DocuSign Envelope ID: E8BF67BA-AA71-492C-82EE-E47416692912

Redmond
WASHINGTON

Connected Community
Enhanced Livability
Environmental Sustainability

March 29, 2024

Vanessa Ryan
Sr Development Manager Puget Sound
Global Workplace Services
Microsoft Corporation

Subject: RTS Pedestrian/Bicycle Bridge
Final Approval and Letter of Acceptance

Dear Vanessa:

The City of Redmond concurs with Microsoft that construction of the Redmond Technology Station Pedestrian/Bicycle Bridge has been satisfactorily completed. The City actively participated in review and approval of design and construction submittals, issue resolution, changes, and interim and final inspections for the bridge. With Microsoft's completion of ADA compliant connections to the public right of way on both ends of the bridge, the pedestrian bridge meets the City's criteria for acceptance and conveyance. The City accepts the bridge effective March 29, 2024, with the understanding that Microsoft will continue to be responsible for operating and maintaining the bridge until the mutually agreed opening day, and will complete the items below during the warranty period:

- Finalized and accepted Record Documents transmitted per requirements to agencies/authorities having jurisdiction, inclusive of the following:
  - Review/acceptance of final Pfeifer warranty/report/agreement/as-builts
  - Finalization EOR letter of acceptance
  - Finalization of Span 8 canopy report findings
- Support/finalization of all related easements through recording
- Completion of final warranty work, cleaning, and barrier removal ahead of opening

Microsoft's completion of the above items is in addition to any obligations of Microsoft under the Redmond Technology Station Pedestrian/Bicycle Bridge Operation and Maintenance Agreement, with the effective date of August 23, 2023.

City Hall
15670 NE 85th Street
PO Box 97010
Redmond, WA
98073-9710

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The City of Redmond has appreciated partnering with Microsoft, Sound Transit, and WSDOT on this unique and challenging project and are pleased it was successfully and safely completed ahead of the light rail opening. This bridge will bring significant benefits to the community as a whole and Redmond looks forward to opening the bridge to the public.

Sincerely,

DocuSigned by:
A1BE94533257472...

Aaron Bert, MPA
Director, Public Works

cc: Steve Gibbs, COR
Vangie Garcia, COR
Mike Paul, COR

Exhibit D
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City of Redmond
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Pedestrian Bridge/Trail
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Instrument Number: 20240202000001 Document:EAS Rec: $315.50 Page-1 of 13
Record Date:2/2/2024 8:02 AM
Electronically Recorded King County, WA EXCISE TAX NOT REQUIRED BY PAUL JUNG, DEPUTY

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Return Address:
City of Redmond
Finance-Real Property, MS: 3NFN
P.O. Box 97010
Redmond, WA 98073-9710

Please print or type information **WASHINGTON STATE RECORDER'S Cover Sheet** (RCW 65 04)

Document Title(s) (or transactions contained therein): (all areas applicable to your document **must** be filled in)

RIGHT-OF-WAY EASEMENT

Reference Number(s) of Documents assigned or released:

☐ Additional reference #'s on page____of document

Grantor(s) Exactly as name(s) appear on document

MICROSOFT CORPORATION

☐ Additional reference #'s on page____of document

Grantee(s) Exactly as name(s) appear on document

CITY OF REDMOND

☐ Additional reference #'s on page____of document

Legal description (abbreviated: i.e., lot, block, plat or section, township, range)

LOT 5, MICROSOFT WEST CAMPUS BINDING SITE PLAN, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 254 OF PLATS, PAGES 32 THROUGH 36, RECORDS OF KING COUNTY, WASHINGTON

☒ Additional reference #'s on page__11__of document

Assessor's Property Tax Parcel/Account Number __ 550350-0050

☐ Assessor Tax # not yet assigned

The Auditor/Recorder will rely on the information provided on this form. The staff will not read the document to verify the accuracy or completeness of the indexing information provided herein.

NO CONSIDERATION PAID

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RIGHT-OF-WAY EASEMENT

This Pedestrian Bridge Easement Agreement (this "Agreement") is made this 12th day of Jan., 2024, between Microsoft Corporation, hereinafter referred to as "Grantor," and the City of Redmond, a municipal corporation of the State of Washington, hereinafter referred to as "Grantee." Grantor and Grantee are sometimes collectively referred to herein as "the Parties."

RECITALS

A. Grantor owns certain real property legally described on **Exhibit A** hereto (the "Property").

B. Pursuant to that certain Agreement for Construction of the Redmond Technology Station Pedestrian/Bicycle Bridge (the "Agreement") entered into by Grantor and Grantee effective June 3, 2019, Grantee has constructed a pedestrian bridge ("Pedestrian Bridge") near Sound Transit's Redmond Technology Light Rail Station (the "Redmond Technology Station). The purpose of the Pedestrian Bridge is to provide pedestrian and bicycle access to and from the Redmond Technology Station across the adjacent SR-520 and light rail trackway. The Pedestrian Bridge is owned by Grantee.

C. Grantor and Grantee are further parties to that certain Redmond Technology Station Pedestrian/Bicycle Bridge Operation and Maintenance Agreement (the "O&M Agreement") of even date herewith, the purpose of which is to establish clear roles and responsibilities for each Party for the ongoing maintenance, operations and repair of the Pedestrian Bridge and related appurtenances and other Grantee-owned and Grantor-owned infrastructure.

D. Grantor has agreed to grant certain easement rights to Grantee over the Property for the location and maintenance of the Pedestrian Bridge and associated appurtenances in accordance with the terms and conditions of this Agreement.

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E. As set forth in the Agreement, Grantor has agreed to grant these easement rights without cost to Grantee in furtherance of the benefits received by Grantor from the pedestrian and bicycle access provided by the Pedestrian Bridge.

AGREEMENT

THEREFORE, in consideration of mutual benefits to be derived and in consideration of the performance of the covenants, terms and conditions hereinafter set forth, Grantor hereby conveys the following easement to Grantee:

> A non-exclusive easement (the "Easement") across, along, in, upon, over, and under the Property, including all appurtenances attached thereto ("Grantor's Facilities"), for the purposes set forth herein, in the area legally described on **Exhibit B** and depicted on **Exhibit C** (the "Easement Area"), together with the right of ingress to and egress from the Property for the Grantee and its agents, employees, representatives, contractors, invitees, and licensees.

The Easement is granted in conjunction with, and subject to, the Agreement and the O&M Agreement and is conditioned upon the following terms, conditions and covenants:

1. Purposes. Grantee shall use the Easement for the purpose of providing a bridge for pedestrian and bicycle use by members of the general public across the Property to and from the Redmond Technology Station. Grantee shall have rights over and across the Easement Area for the purpose of constructing, installing, altering, improving, extending, accessing, inspecting, operating, maintaining, repairing, replacing, and removing the Pedestrian Bridge and all components appurtenant thereto, including without limitation the bridge/ramp deck, columns, footings, abutments, utilities, vaults, and conduit, and related improvements ("Grantee's Facilities"). In addition, Grantee shall be entitled to connect drainage facilities conveying stormwater from the Pedestrian Bridge to drainage systems owned or operated by Grantor on the Property and to use Grantor's drainage systems without charge to convey stormwater to public otherwise provided in the Agreement and O&M Agreement, Grantee any other purpose whatsoever.

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2. Use of Easement Area. The following conditions apply to Grantee's occupancy, use, and operations in the Easement Area:

a. Grantee shall be responsible for the maintenance, inspection and repair of the Pedestrian Bridge and all appurtenances thereto in the Easement Area on the Property, as further detailed in and limited by the O&M Agreement. Grantee will maintain the Pedestrian Bridge in a state of good condition and repair in accordance with generally accepted public infrastructure management. Grantee shall be responsible for and promptly repair any damage to the Property as a result of the Grantee's use of the Easement.

b. Grantee shall not construct or maintain any permanent or temporary structures upon or within the Easement Area other than the Pedestrian Bridge and related appurtenances as the same is depicted on Exhibit C, except as otherwise provided in the Agreement or the O&M Agreement.

c. Grantee shall not park or operate construction vehicles, trucks, or store materials or equipment on the Property in or adjacent to the Easement Area except as may be reasonably necessary for the construction, maintenance, repair, inspection, and replacement of the Pedestrian Bridge and related improvements referenced herein. Such activities shall be coordinated with the Grantor in accordance with the O&M Agreement.

d. Grantor's vehicular and pedestrian access/egress to and from the Property and Grantor's Facilities and operations shall be maintained at all times during use of the Easement Area by Grantee or its Representatives or invitees, unless approved otherwise in writing by Grantor.

e. Grantee shall conduct its activities on the Easement Area in a reasonably safe manner and shall be responsible (1) for injuries to persons and property using the Pedestrian Bridge and related improvements in the Easement Area to the same extent, but only to such extent, as Grantee is responsible for injuries to walks, bicycle pathways, and other similar facilities owned) for injuries to persons and property using the Pedestrian d improvements where Grantee's failure to fulfill its

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maintenance responsibilities in the O&M Agreement results in a dangerous condition which Grantee has actual knowledge of, provided, that in the case of both (1) and (2), Grantee shall not be responsible for any endangerment of such persons or property as the result of the activities of Grantor.

f. Grantee shall be responsible for any damage done to the Property by the general public or Grantee or its employees, agents, representatives, contractors, licensees, or invitees acting within the scope of Grantee's invitation and shall promptly repair such damage at its sole cost, as further set forth in the O&M Agreement. Any repairs will be conducted at Grantor's direction and reasonable discretion, as further set forth in the O&M Agreement.

g. Grantee shall be responsible to clean up any spills, fuel or leaks arising out of its use of the Easement Area.

h. Grantee shall in no event dispose of hazardous materials on or under the ground surface of the Property.

3. Non-Exclusive. Grantor reserves the right to grant other non-exclusive easements, franchises and/or permits across the Property; provided, that such easements, franchises or permits shall not permit uses that unreasonably interfere with Grantee's authorized use of the Property under the Easement.

4. Indemnity. Grantee agrees to hold harmless, indemnify and defend Grantor from and against any and all claims, losses or liability, for injuries, sickness or death of persons, including employees of the Grantee, or damage to property, arising out of the exercise of Grantee's rights under this Easement or any willful misconduct or negligent act, error, or omission of Grantee, its officers, agents, contractors, subcontractors, licensees, or employees, in connection with the Grantee's activities authorized by this easement, provided, however, that:

a. Grantee's obligations to indemnify, defend and hold harmless shall not extend to injuries, sickness, death or damage caused by or resulting from the sole willful misconduct or sole negligence of Grantor; and

to indemnify, defend and hold harmless for injuries, sickness,
ed by or resulting from the concurrent negligence or willful
e and Grantor, or of Grantee and a third party other than an

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officer, agent, contractor or employee of Grantee, shall apply only to the extent of the negligence or willful misconduct of Grantee (including an officer, agent, contractor or employee of the Grantee).

In addition to all other indemnities provided in this Easement, Grantee agrees to protect, defend, and indemnify and hold Grantor harmless for any suits, claims, damages, strict liabilities, and costs or liabilities associated with the presence, removal or remediation of any Hazardous Substance (including petroleum and gasoline products) that are released onto or from the Easement Area, or otherwise come to be located on the Property as a result of the Grantee's actions in using the Property, including the construction, reconstruction, alteration, maintenance, operation, repair, removal or relocation of Grantee's Facilities. Grantee shall have no liability for any Hazardous Substances released onto or from the Easement Area as the result of Grantor's retained use of the Property or any adjacent property of Grantor. "Hazardous Substances" for purposes of this section include, but are not limited to, those substances included within the definition of "hazardous wastes" or solid wastes in any federal, state or local law, statute, ordinance, regulation, order, or rule pertaining to health, industrial hygiene, environmental conditions or hazardous substances. "Costs" shall include, but not be limited to, all response or remediation costs, disposal fees, investigation costs, monitoring costs, civil or criminal penalties, attorneys' fees, and other litigation costs incurred in connection with such response or remediation.

The indemnification obligations provided in this Section shall survive termination of this Easement for any claim or liability arising out of an event or occurrence that took place prior to such termination.

5. Insurance.

Grantor acknowledged that Grantee insures its operations under its General Liability program. Liability associated with the operation and maintenance of the Bridge pursuant to this Agreement will also be covered by that program. Grantee shall also purchase or maintain property insurance insuring the full replacement value of the Bridge for fire and extended perils including earthquake coverage. Grantee shall cause its insurer to name or list Grantor as an additional insured under
claims related to Grantee's operation and maintenance of
nder Grantee's coverage. Grantee shall deliver to Grantor

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a certificate of insurance confirming that Grantee has the insurance required by this Section. Any notice of cancellation of such insurance received by Grantee shall be delivered promptly to Grantor. Grantor shall be solely responsible for obtaining any additional insurance deemed necessary or desirable by Grantor.

6. Representations. Grantee will exercise its rights under this Agreement in accordance with the requirements of all applicable statutes, orders, rules and regulations of any public authority having jurisdiction. Grantee expressly acknowledges that Grantor makes no guarantees, warranties or representations as to the safety or suitability of the Property for the uses authorized under this Agreement. Grantee acknowledges that Grantee is using the Property in an "as-is and where-is" condition, with all faults and defects, latent and otherwise, and shall assume the risks that adverse physical conditions may not have been revealed by its investigation.

7. Covenants Run with the Land. The terms and conditions of this Agreement shall run with the land and be binding upon and inure to the benefit of the parties hereto and their respective heirs, successors, assigns, and legal representatives.

8. Abandonment. The rights herein granted shall continue until such time as Grantee ceases to use the Easement Area for the purposes defined herein for a period of two years or more. In this event, the Easement shall terminate, Grantee shall remove Grantee's Facilities, and any improvements remaining, from the Easement Area, and leave the Easement Area in as good a condition as before the date of this Agreement.

9. Amendment. This Agreement may not be amended or modified except in writing signed by each of the parties hereto.

10. Mutual Benefit. This Easement is granted for the mutual benefit of both named parties. In the event that both the Grantee and Grantor of this easement concurrently declare the rights granted herein to be surplus to the original conveyance, Grantee shall terminate, relinquish and release its rights by way of quit claim deed and without further consideration.

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11. Counterparts. This Agreement may be executed in counterparts, which, when taken together, shall constitute one Agreement. However, this Agreement shall not be effective unless and until all counterpart signatures have been obtained.

12. Governing Law. This Agreement shall be governed by the laws of the State of Washington without regard to the conflict of law provisions therein.

13. Venue. Venue for any action pertaining to this Agreement will be in King County Superior Court, King County, Washington.

14. Authorized Signature. Each party to this Agreement warrants and represents to the other parties that the individual signing this Agreement on behalf of such party has been duly authorized to execute this Agreement.

15. Survival. The obligations set forth in Section 4 shall survive termination of this Agreement.

Executed as of the date hereinabove set forth.

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GRANTOR

MICROSOFT CORPORATION

By: _____

Print Name: _____

Title: _____

The terms and conditions of this easement are hereby accepted and approved by the Grantee as of the date hereinabove set forth.

GRANTEE

CITY OF REDMOND

_____
Mayor Angela Birney

Attest: _____
Cheryl Xanthos
City Clerk

Approved as to Form for Grantee:

By: DocuSigned by: James E. Haney
James E. Haney
City Attorney

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(ACKNOWLEDGEMENT FOR GRANTOR)

STATE OF WASHINGTON)
) ss.
County of King)

On this 14 day of December, 2023, before me, the undersigned notary public in and for the State of Washington, duly commissioned and sworn, personally appeared Stephen E Longstreth to me known to be the GM of Microsoft Corporation, the corporation that executed the foregoing instrument, and acknowledged said instrument to be the free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that he/she was duly authorized to execute the same.

WITNESS my hand and official seal hereto the day and year in this Certificate first above written.

Notary Public
State of Washington
KAILEE AMANS
LICENSE # 21035692
MY COMMISSION EXPIRES
SEPTEMBER 9, 2025

Kailee Amans Notary Public in and for the State of Washington, residing at Redmond WA.
My appointment expires 9-9-25

(ACKNOWLEDGEMENT FOR GRANTEE)

STATE OF WASHINGTON)
) ss.
County of King)

On this 12 day of January, 2024, before me personally appeared ~~John Marchione~~ ANGELA BIRNEY to me known to be the Mayor of the CITY OF REDMOND, the authority that executed the within and foregoing instrument, and acknowledged said instrument to be the free and voluntary act and deed of said authority, for the uses and purposes therein mentioned, and on oath stated that he/she was duly authorized to execute the same.

WITNESS my hand and official seal hereto the day and year in this Certificate first above written.

CHERYL D XANTHOS
NOTARY
COMMISSION EXPIRES

Cheryl D Xanthos Notary Public in and for the State of Washington, residing at Redmond.
My appointment expires 2/9/26

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EXHIBIT A

LEGAL DESCRIPTION OF GRANTOR'S PROPERTY

LOT 5, MICROSOFT WEST CAMPUS BINDING SITE PLAN, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 254 OF PLATS, PAGES 32 THROUGH 36, RECORDS OF KING COUNTY, WASHINGTON.

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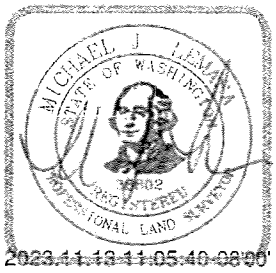
EXHIBIT B
LEGAL DESCRIPTION OF RIGHT OF WAY EASEMENT AREA

THAT PORTION OF LOT 5, MICROSOFT WEST CAMPUS BINDING SITE PLAN, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 254 OF PLATS, PAGES 32 THROUGH 36, RECORDS OF KING COUNTY, WASHINGTON, FURTHER DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF SAID LOT, SAID CORNER ALSO BEING A POINT ON THE WESTERLY MARGIN OF STATE ROUTE 520; THENCE SOUTH 90°00'00" WEST ALONG THE NORTH LINE THEREOF 93.25 FEET; THENCE DEPARTING SAID LINE SOUTH 04°22'46" WEST 9.26 FEET; THENCE SOUTH 82°59'02" EAST 96.72 FEET TO SAID WESTERLY MARGIN; THENCE NORTH 05°32'41" WEST ALONG SAID MARGIN 21.14 FEET TO SAID NORTH LINE AND THE POINT OF BEGINNING.

SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON.

(CONTAINS 1,428± SQUARE FEET)



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Redmond Technology Station Pedestrian Bridge/Trail
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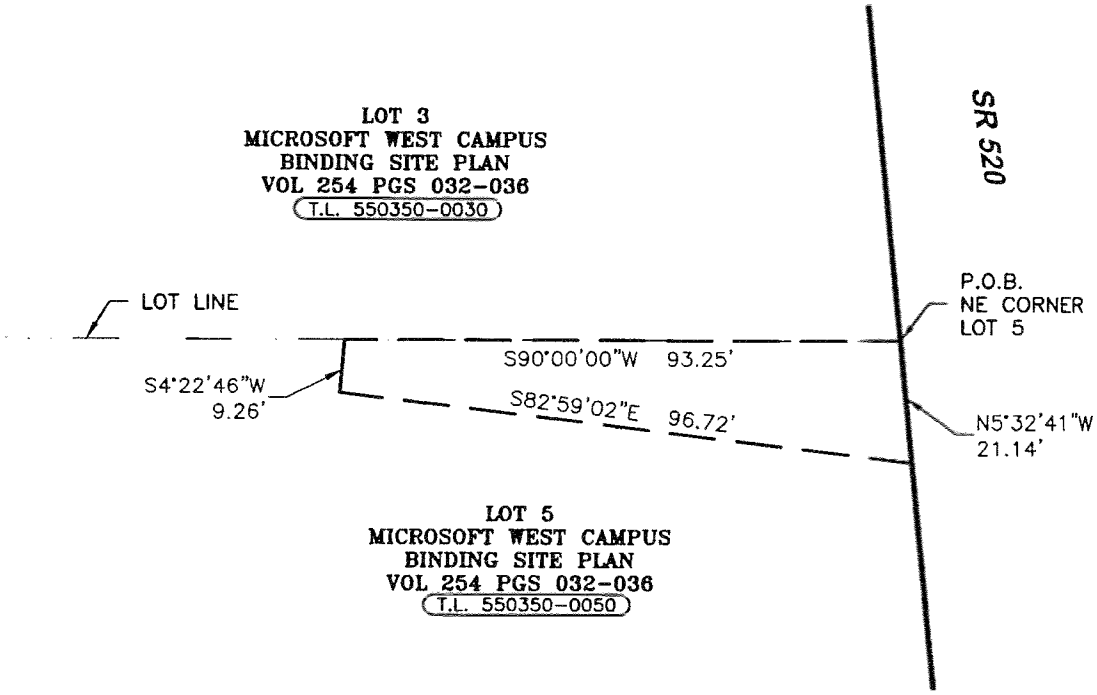
DocuSign Envelope ID: 005EB8E8-C4B7-48B9-8AC9-5B1D524FC9ED

EXHIBIT C

ROW EASEMENT (PED BRIDGE)



2023.11.13 11:06:30 -08'00'

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City of Redmond
Redmond Technology Station Pedestrian Bridge/Trail
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ACE
eering Services Company
3501 Colby Ave Suite 101
Everett, WA 98201
p. 425.486.6533
Civil | Structural | Planning | Survey
www. paceengrs.com

SCALE: 1" = 30' DRS PROJ. NO.: 22566.10

Instrument Number: 20240202000002 Document:EAS Rec: $315.50 Page-1 of 13
Record Date:2/2/2024 8:02 AM
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Finance-Real Property, MS: 3NFN
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Redmond, WA 98073-9710

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Document Title(s) (or transactions contained therein): (all areas applicable to your document **must** be filled in)

RIGHT-OF-WAY EASEMENT

Reference Number(s) of Documents assigned or released:

☐ Additional reference #'s on page____of document

Grantor(s) Exactly as name(s) appear on document

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☐ Additional reference #'s on page____of document

Grantee(s) Exactly as name(s) appear on document

CITY OF REDMOND

☐ Additional reference #'s on page____of document

Legal description (abbreviated: i.e., lot, block, plat or section, township, range)

LOT 3, MICROSOFT WEST CAMPUS BINDING SITE PLAN, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 254 OF PLATS, PAGES 32 THROUGH 36, RECORDS OF KING COUNTY, WASHINGTON

☒ Additional reference #'s on page 11 of document

Assessor's Property Tax Parcel/Account Number 550350-0030

☐ Assessor Tax # not yet assigned

The Auditor/Recorder will rely on the information provided on this form. The staff will not read the document to verify the accuracy or completeness of the indexing information provided herein.

CONSIDERATION PAID

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RIGHT-OF-WAY EASEMENT

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RECITALS

A. Grantor owns certain real property legally described on **Exhibit A** hereto (the "Property").

B. Pursuant to that certain Agreement for Construction of the Redmond Technology Station Pedestrian/Bicycle Bridge (the "Agreement") entered into by Grantor and Grantee effective June 3, 2019, Grantee has constructed a pedestrian bridge ("Pedestrian Bridge") near Sound Transit's Redmond Technology Light Rail Station (the "Redmond Technology Station). The purpose of the Pedestrian Bridge is to provide pedestrian and bicycle access to and from the Redmond Technology Station across the adjacent SR-520 and light rail trackway. The Pedestrian Bridge is owned by Grantee.

C. Grantor and Grantee are further parties to that certain Redmond Technology Station Pedestrian/Bicycle Bridge Operation and Maintenance Agreement (the "O&M Agreement") of even date herewith, the purpose of which is to establish clear roles and responsibilities for each Party for the ongoing maintenance, operations and repair of the Pedestrian Bridge and related appurtenances and other Grantee-owned and Grantor-owned infrastructure.

D. Grantor has agreed to grant certain easement rights to Grantee over the Property for the location and maintenance of the Pedestrian Bridge and associated appurtenances in accordance with the terms and conditions of this Agreement.

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E. As set forth in the Agreement, Grantor has agreed to grant these easement rights without cost to Grantee in furtherance of the benefits received by Grantor from the pedestrian and bicycle access provided by the Pedestrian Bridge.

AGREEMENT

THEREFORE, in consideration of mutual benefits to be derived and in consideration of the performance of the covenants, terms and conditions hereinafter set forth, Grantor hereby conveys the following easement to Grantee:

> A non-exclusive easement (the "Easement") across, along, in, upon, over, and under the Property, including all appurtenances attached thereto ("Grantor's Facilities"), for the purposes set forth herein, in the area legally described on **Exhibit B** and depicted on **Exhibit C** (the "Easement Area"), together with the right of ingress to and egress from the Property for the Grantee and its agents, employees, representatives, contractors, invitees, and licensees.

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1. Purposes. Grantee shall use the Easement for the purpose of providing a bridge for pedestrian and bicycle use by members of the general public across the Property to and from the Redmond Technology Station. Grantee shall have rights over and across the Easement Area for the purpose of constructing, installing, altering, improving, extending, accessing, inspecting, operating, maintaining, repairing, replacing, and removing the Pedestrian Bridge and all components appurtenant thereto, including without limitation the bridge/ramp deck, columns, footings, abutments, utilities, vaults, and conduit, and related improvements ("Grantee's Facilities"). In addition, Grantee shall be entitled to connect drainage facilities conveying stormwater from the Pedestrian Bridge to drainage systems owned or operated by Grantor on the inage systems without charge to convey stormwater to public wise provided in the Agreement and O&M Agreement, Grantee other purpose whatsoever.

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2. Use of Easement Area. The following conditions apply to Grantee's occupancy, use, and operations in the Easement Area:

a. Grantee shall be responsible for the maintenance, inspection and repair of the Pedestrian Bridge and all appurtenances thereto in the Easement Area on the Property, as further detailed in and limited by the O&M Agreement. Grantee will maintain the Pedestrian Bridge in a state of good condition and repair in accordance with generally accepted public infrastructure management. Grantee shall be responsible for and promptly repair any damage to the Property as a result of the Grantee's use of the Easement.

b. Grantee shall not construct or maintain any permanent or temporary structures upon or within the Easement Area other than the Pedestrian Bridge and related appurtenances as the same is depicted on Exhibit C, except as otherwise provided in the Agreement or the O&M Agreement.

c. Grantee shall not park or operate construction vehicles, trucks, or store materials or equipment on the Property in or adjacent to the Easement Area except as may be reasonably necessary for the construction, maintenance, repair, inspection, and replacement of the Pedestrian Bridge and related improvements referenced herein. Such activities shall be coordinated with the Grantor in accordance with the O&M Agreement.

d. Grantor's vehicular and pedestrian access/egress to and from the Property and Grantor's Facilities and operations shall be maintained at all times during use of the Easement Area by Grantee or its Representatives or invitees, unless approved otherwise in writing by Grantor.

e. Grantee shall conduct its activities on the Easement Area in a reasonably safe manner and shall be responsible (1) for injuries to persons and property using the Pedestrian Bridge and related improvements in the Easement Area to the same extent, but only to such extent, as Grantee is responsible for injuries to persons using sidewalks, bicycle pathways, and other similar facilities owned

for injuries to persons and property using the Pedestrian

improvements where Grantee's failure to fulfill its

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maintenance responsibilities in the O&M Agreement results in a dangerous condition which Grantee has actual knowledge of, provided, that in the case of both (1) and (2), Grantee shall not be responsible for any endangerment of such persons or property as the result of the activities of Grantor.

f. Grantee shall be responsible for any damage done to the Property by the general public or Grantee or its employees, agents, representatives, contractors, licensees, or invitees acting within the scope of Grantee's invitation and shall promptly repair such damage at its sole cost, as further set forth in the O&M Agreement. Any repairs will be conducted at Grantor's direction and reasonable discretion, as further set forth in the O&M Agreement.

g. Grantee shall be responsible to clean up any spills, fuel or leaks arising out of its use of the Easement Area.

h. Grantee shall in no event dispose of hazardous materials on or under the ground surface of the Property.

3. Non-Exclusive. Grantor reserves the right to grant other non-exclusive easements, franchises and/or permits across the Property; provided, that such easements, franchises or permits shall not permit uses that unreasonably interfere with Grantee's authorized use of the Property under the Easement.

4. Indemnity. Grantee agrees to hold harmless, indemnify and defend Grantor from and against any and all claims, losses or liability, for injuries, sickness or death of persons, including employees of the Grantee, or damage to property, arising out of the exercise of Grantee's rights under this Easement or any willful misconduct or negligent act, error, or omission of Grantee, its officers, agents, contractors, subcontractors, licensees, or employees, in connection with the Grantee's activities authorized by this easement, provided, however, that:

a. Grantee's obligations to indemnify, defend and hold harmless shall not extend to injuries, sickness, death or damage caused by or resulting from the sole willful misconduct or sole negligence of Grantor; and

ligations to indemnify, defend and hold harmless for injuries, sickness, nage caused by or resulting from the concurrent negligence or willful of Grantee and Grantor, or of Grantee and a third party other than an

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officer, agent, contractor or employee of Grantee, shall apply only to the extent of the negligence or willful misconduct of Grantee (including an officer, agent, contractor or employee of the Grantee).

In addition to all other indemnities provided in this Easement, Grantee agrees to protect, defend, and indemnify and hold Grantor harmless for any suits, claims, damages, strict liabilities, and costs or liabilities associated with the presence, removal or remediation of any Hazardous Substance (including petroleum and gasoline products) that are released onto or from the Easement Area, or otherwise come to be located on the Property as a result of the Grantee's actions in using the Property, including the construction, reconstruction, alteration, maintenance, operation, repair, removal or relocation of Grantee's Facilities. Grantee shall have no liability for any Hazardous Substances released onto or from the Easement Area as the result of Grantor's retained use of the Property or any adjacent property of Grantor. "Hazardous Substances" for purposes of this section include, but are not limited to, those substances included within the definition of "hazardous wastes" or solid wastes in any federal, state or local law, statute, ordinance, regulation, order, or rule pertaining to health, industrial hygiene, environmental conditions or hazardous substances. "Costs" shall include, but not be limited to, all response or remediation costs, disposal fees, investigation costs, monitoring costs, civil or criminal penalties, attorneys' fees, and other litigation costs incurred in connection with such response or remediation.

The indemnification obligations provided in this Section shall survive termination of this Easement for any claim or liability arising out of an event or occurrence that took place prior to such termination.

5. Insurance.

Grantor acknowledged that Grantee insures its operations under its General Liability program. Liability associated with the operation and maintenance of the Bridge pursuant to this Agreement will also be covered by that program. Grantee shall also purchase or maintain property insurance insuring the full replacement value of the Bridge for fire and extended perils including earthquake coverage. Grantee shall cause its insurer to name or list Grantor as an additional insured under m for claims related to Grantee's operation and maintenance of ble under Grantee's coverage. Grantee shall deliver to Grantor

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a certificate of insurance confirming that Grantee has the insurance required by this Section. Any notice of cancellation of such insurance received by Grantee shall be delivered promptly to Grantor. Grantor shall be solely responsible for obtaining any additional insurance deemed necessary or desirable by Grantor.

6. Representations. Grantee will exercise its rights under this Agreement in accordance with the requirements of all applicable statutes, orders, rules and regulations of any public authority having jurisdiction. Grantee expressly acknowledges that Grantor makes no guarantees, warranties or representations as to the safety or suitability of the Property for the uses authorized under this Agreement. Grantee acknowledges that Grantee is using the Property in an "as-is and where-is" condition, with all faults and defects, latent and otherwise, and shall assume the risks that adverse physical conditions may not have been revealed by its investigation.

7. Covenants Run with the Land. The terms and conditions of this Agreement shall run with the land and be binding upon and inure to the benefit of the parties hereto and their respective heirs, successors, assigns, and legal representatives.

8. Abandonment. The rights herein granted shall continue until such time as Grantee ceases to use the Easement Area for the purposes defined herein for a period of two years or more. In this event, the Easement shall terminate, Grantee shall remove Grantee's Facilities, and any improvements remaining, from the Easement Area, and leave the Easement Area in as good a condition as before the date of this Agreement.

9. Amendment. This Agreement may not be amended or modified except in writing signed by each of the parties hereto.

10. Mutual Benefit. This Easement is granted for the mutual benefit of both named parties. In the event that both the Grantee and Grantor of this easement concurrently declare the rights granted herein to be surplus to the original conveyance, Grantee shall terminate, relinquish and release its rights by way of quit claim deed and without further consideration.

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11. Counterparts. This Agreement may be executed in counterparts, which, when taken together, shall constitute one Agreement. However, this Agreement shall not be effective unless and until all counterpart signatures have been obtained.

12. Governing Law. This Agreement shall be governed by the laws of the State of Washington without regard to the conflict of law provisions therein.

13. Venue. Venue for any action pertaining to this Agreement will be in King County Superior Court, King County, Washington.

14. Authorized Signature. Each party to this Agreement warrants and represents to the other parties that the individual signing this Agreement on behalf of such party has been duly authorized to execute this Agreement.

15. Survival. The obligations set forth in Section 4 shall survive termination of this Agreement.

Executed as of the date hereinabove set forth.

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GRANTOR

MICROSOFT CORPORATION

By: _____

Print Name: _____

Title: _____

The terms and conditions of this easement are hereby accepted and approved by the Grantee as of the date hereinabove set forth.

GRANTEE

CITY OF REDMOND

_____
Mayor Angela Birney

Attest: _____
Cheryl Xanthos
City Clerk

Approved as to Form for Grantee:

By: DocuSigned by: James E. Haney
85384CE988994B5...
James E. Haney
City Attorney

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(ACKNOWLEDGEMENT FOR GRANTOR)

STATE OF WASHINGTON)
) ss.
County of King)

On this 12 day of December, 2023, before me, the undersigned notary public in and for the State of Washington, duly commissioned and sworn, personally appeared Stephanie Langstreth to me known to be the CAM of Microsoft Corporation, the corporation that executed the foregoing instrument, and acknowledged said instrument to be the free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that he/she was duly authorized to execute the same.

WITNESS my hand and official seal hereto the day and year in this Certificate first above written.

Notary Public
State of Washington
KAILEE AMANS
LICENSE # 21035692
MY COMMISSION EXPIRES
SEPTEMBER 9, 2025

Kailee Amans Notary Public in and for the State of Washington, residing at [illegible]
My appointment expires 9/9/25

(ACKNOWLEDGEMENT FOR GRANTEE)

STATE OF WASHINGTON)
) ss.
County of King)

On this 12 day of January, 2024, before me personally appeared John Marchione, to me known to be the Mayor of the CITY OF REDMOND, the authority that executed the within and foregoing instrument, and acknowledged said instrument to be the free and voluntary act and deed of said authority, for the uses and purposes therein mentioned, and on oath stated that he/she was duly authorized to execute the same.

ANGELA BIANEY

WITNESS my hand and official seal hereto the day and year in this Certificate first above written.

CHERYL D XANTHOS
NOTARY PUBLIC
STATE OF WASHINGTON
COMMISSION EXPIRES
FEBRUARY 9, 2026

Cheryl D Xanthos Notary Public in and for the State of Washington, residing at Redmond.
My appointment expires 2/9/26

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EXHIBIT A

LEGAL DESCRIPTION OF GRANTOR'S PROPERTY

LOT 3, MICROSOFT WEST CAMPUS BINDING SITE PLAN, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 254 OF PLATS, PAGES 32 THROUGH 36, RECORDS OF KING COUNTY, WASHINGTON

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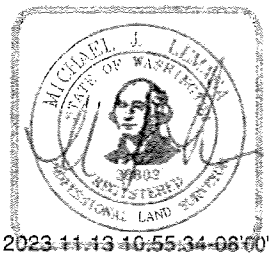
EXHIBIT B
LEGAL DESCRIPTION OF RIGHT OF WAY EASEMENT AREA

THAT PORTION OF LOT 3, MICROSOFT WEST CAMPUS BINDING SITE PLAN, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 254 OF PLATS, PAGES 32 THROUGH 36, RECORDS OF KING COUNTY, WASHINGTON, FURTHER DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF SAID LOT, SAID CORNER ALSO BEING A POINT ON THE WESTERLY MARGIN OF STATE ROUTE 520; THENCE SOUTH 90°00'00" WEST ALONG THE SOUTH LINE THEREOF 93.25 FEET; THENCE DEPARTING SAID LINE NORTH 05°03'19" EAST 25.96 FEET; THENCE NORTH 89°09'10" EAST 37.52 FEET; THENCE NORTH 09°52'46" WEST 45.43 FEET; THENCE NORTH 80°07'51" EAST 14.89 FEET; THENCE SOUTH 09°52'33" EAST 8.26 FEET; THENCE SOUTH 80°07'23" WEST 2.89 FEET; THENCE SOUTH 09°52'43" EAST 38.91 FEET; THENCE NORTH 88°24'24" EAST 38.64 FEET TO THE WESTERLY MARGIN OF STATE ROUTE 520; THENCE SOUTH 05°32'41" EAST ALONG SAID MARGIN 27.96 FEET TO THE POINT OF BEGINNING.

SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON.

(CONTAINS 3,003± SQUARE FEET)



2023.11.13 10:55:34-08'00'

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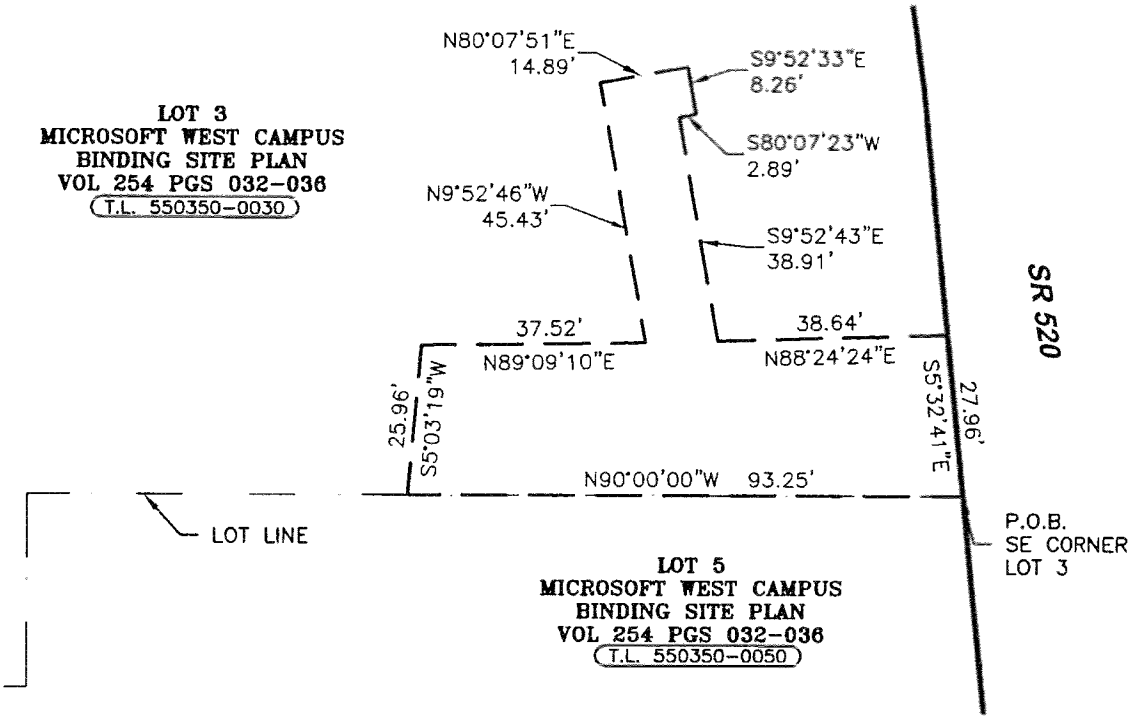
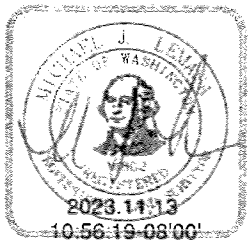
EXHIBIT C

ROW EASEMENT (PED BRIDGE)





3501 Colby Ave Suite 101
Everett, WA 98201
p. 425.486.6533
Civil | Structural | Planning | Survey
www. paceengrs.com

ervices Company
: 1" = 30' DRS PROJ. NO.: 22566.10

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Instrument Number: 20240202000003 Document:EAS Rec: $311.50 Page-1 of 9
Record Date:2/2/2024 8:02 AM
Electronically Recorded King County, WA EXCISE TAX NOT REQUIRED BY PAUL JUNG, DEPUTY

DocuSign Envelope ID: AE750A07-C28F-4AF3-9062-659A76C86A66

Return Address:
City of Redmond
Finance-Real Property, MS: 3NFN
P.O. Box 97010
Redmond, WA 98073-9710

Please print or type information **WASHINGTON STATE RECORDER'S Cover Sheet** (RCW 65.04)

Document Title(s) (or transactions contained therein): (all areas applicable to your document **must** be filled in)

PUBLIC PEDESTRIAN AND BICYCLE ACCESS EASEMENT

Reference Number(s) of Documents assigned or released:

☐ Additional reference #'s on page____of document

Grantor(s) Exactly as name(s) appear on document

MICROSOFT CORPORATION

☐ Additional reference #'s on page____of document

Grantee(s) Exactly as name(s) appear on document

CITY OF REDMOND

☐ Additional reference #'s on page____of document

Legal description (abbreviated: i.e., lot, block, plat or section, township, range)

LOT 5, MICROSOFT WEST CAMPUS BINDING SITE PLAN, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 254 OF PLATS, PAGES 32 THROUGH 36, RECORDS OF KING COUNTY, WASHINGTON

☒ Additional reference #'s on page 6 of document

Assessor's Property Tax Parcel/Account Number **550350-0050**

☐ Assessor Tax # not yet assigned

nformation provided on this form. The staff will not read the document
of the indexing information provided herein.

NO CONSIDERATION PAID

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PUBLIC PEDESTRIAN AND BICYCLE ACCESS EASEMENT

THIS PUBLIC PEDESTRIAN AND BICYCLE ACCESS EASEMENT (hereinafter referred to as "Easement") is hereby executed by and between **Microsoft Corporation** ("Grantor") and the **City of Redmond**, Washington, a municipal corporation organized under Title 35A RCW ("Grantee").

RECITALS

WHEREAS, the Grantor has developed real properties ("Properties"), legally described in **Exhibit A**, attached hereto and incorporated herein by reference, and donates and grants to the Grantee an easement for the purpose of providing public pedestrian and bicycle access over and across the Properties in an area legally described in **Exhibit B** attached, and depicted in **Exhibit C** attached hereto and incorporated herein by reference ("Easement"); and

WHEREAS, the Grantor desires to grant to the Grantee this Easement for the benefit of the general public and to establish maintenance and other obligations pertaining to the Easement;

NOW THEREFORE, in consideration of the foregoing and the covenants set forth herein, and in consideration of the mutual benefits accruing, the receipt and sufficiency of which are hereby acknowledged, the Grantor and Grantee agree as follows:

1. Grant of Easement. The Grantor does hereby grant to the Grantee, for the use and benefit of the general public a non-exclusive public pedestrian and bicycle access easement over and across the properties described in **Exhibit A** and for permitting maintenance of said public pedestrian and bicycle access together with the right of ingress and egress to, from and across said properties for the foregoing purposes, in an area legally described in **Exhibit B** and depicted in **Exhibit C**, over, across, along, in, and upon the Properties.

2. Use of Easement. The Grantor retains the right to use the Easement for any purpose not inconsistent or interfering with the easement rights granted to the Grantee. Use of the Easement by Grantor does not include the right to plant or maintain landscaping in or abutting the Easement not in compliance with the Grantee's municipal code or which may have root patterns that could cause damage to or interfere with pedestrian and bicycle improvements or to erect or maintain any structures, fences, gates, or any other physical feature which will act as a barrier to pedestrian and bicycle access except for temporary barriers necessary when conducting major repairs.

3. Covenant Running with the Land. The Easement is intended as a covenant running with the land and shall inure to the benefit of the general public and be recorded with the King County Recorder's Office.

4. Maintenance of the Easement. Maintenance and repair of the Easement shall be the responsibility as specified in the Pedestrian Bridge O&M Agreement.

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agrees on its behalf and that of any successor or assign to protect, ld harmless the Grantee, its officers, employees, and agents, from and

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against any and all actions, claims, costs, damages, demands, expenses, fines, injuries, judgments, liabilities, losses, penalties, or suits including, without limitation, attorneys' fees and costs (collectively, "claims") of any kind allegedly arising directly or indirectly from the Grantor's performance of the obligations contained in Sections 2 and 4 of this Easement, provided, however, where such actions, claims, costs, damages, or suits result from the concurrent negligence of the Parties, the Grantor's indemnity provisions provided herein shall be valid and enforceable only to the extent of the Grantor's own negligence. The provisions of this Paragraph shall apply to claims by the Grantor's own employees and the employees of the Grantor's agents, representatives, contractors, and subcontractors to which the Grantor might otherwise be immune under Title 51 RCW. This waiver of immunity under Title 51 RCW has been mutually negotiated by the parties hereto, and the Grantor acknowledges that the Grantee would not enter into this Easement agreement without the Grantor's waiver thereof.

Grantee agrees to hold harmless, indemnify and defend the Grantor from and against any and all claims, losses or liability, for injuries, sickness or death of persons, including employees of the Grantee, or damage to property, arising out of the exercise of Grantee's rights and obligations under this Easement or any willful misconduct or negligent act, error, or omission of the Grantee, its officers, agents, contractors, subcontractors, licensees, or employees, in connection with the Grantee's activities authorized by this easement, provided, however, that:

a. The Grantee's obligations to indemnify, defend and hold harmless shall not extend to injuries, sickness, death or damage caused by or resulting from the sole willful misconduct or sole negligence of the Grantor; and

b. The Grantee's obligations to indemnify, defend and hold harmless for injuries, sickness, death or damage caused by or resulting from the concurrent negligence or willful misconduct of the Grantee and the Grantor, or of the Grantee and a third party other than an officer, agent, contractor or employee of the Grantee, shall apply only to the extent of the negligence or willful misconduct of the Grantee (including an officer, agent, contractor or employee of the Grantee).

6. Removal or Relocation of Improvements. Grantor shall not remove or relocateany pedestrian or bicycle improvements in the Easement Area unless Grantor provides alternative facilities or alters the facilities in a manner that Grantee agrees provide equivalent functionality to the original improvements. .Grantor shall notify Grantee if Grantor plans to redevelop the Property. Promptly after such notice, Grantor will consult with Grantee, and Grantor shall provide a relocated Easement that will continue to provide pedestrian and bicycle access but will also not interfere with the Grantor's plans for the redeveloped Property. This relocation plan may be incorporated as part of the land use entitlement process for the redevelopment of the Property. In addition, if the pedestrian and bicycle pathway or Pedestrian Bridge is permanently closed or deconstructed, this Easement shall terminate, and Grantee shall relinquish its rights as provided in Section 10 below.

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l maintain and shall cause its agents to maintain commercial general
nst any loss, liability or damage on, about or relating to Grantor's activities
t or Easement with limits of not less than $3,000,000 combined single
d in the aggregate, and containing a deductible or self-insured retention of

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not more than $10,000. The insurance shall name the Grantee as an additional insured. The insurance shall (a) be written by a company having a financial rating of at least "VIII" and a general policy holder's rating of "A," as rated in the most current Best's Key Rating Guide Property - Casualty, (b) have attached thereto an endorsement that such policy shall not be cancelled or materially changed without thirty (30) days prior written notice to the other party, (c) provide for severability of interests, and (d) provide that any act or omission of one of the insureds or additional insureds which would void or otherwise reduce coverage shall not reduce or void the coverage as to the additional insured. The Grantor shall deliver a certificate of insurance for the insurance policy required under this paragraph to the Grantee within 30 days following execution of this Easement. In addition, the Grantor shall maintain Workers Compensation and Employers' Liability insurance as required by Washington State. Grantor may at its option, meet the above insurance requirements via commercial insurance, self-insurance, alternative risk financing solutions, or a combination of these options, so long as the option chosen provides the same coverage stated above, and so long as Grantee furnishes proof of such coverage within 30 days following execution of this Easement.

8. Recovery of Litigation Costs. If either party brings suit against the other in order to enforce the provisions of this Easement or to redress any breach thereof, the prevailing party in such action shall be entitled to recover its reasonable costs and reasonable attorney's fees incurred in such action from the non-prevailing party, in addition to any other relief to which the prevailing party may be entitled.

9. Notices. Notices under this Easement shall be provided to the following:

City of Redmond **Finance - Real Property, MS: 3NFN** **P.O. Box 97010** **Redmond, WA 98073-9710**	**Microsoft Corporation** **Attn: VP, Global Workplace Services** **One Microsoft Way** **Redmond, WA 98052** **Microsoft Property Rights:** **gws-property-rights@microsoft.com**

10. Mutual Benefit. This Easement is granted for the mutual benefit of both named parties. In the event that both the Grantee and Grantor of this easement concurrently declare the rights granted herein to be surplus to the original conveyance, Grantee shall terminate, relinquish and release its rights by way of quit claim deed and without further consideration.

11. Miscellaneous. This Easement and its accompanying O&M Agreement constitute the entire agreement between the parties concerning its subject matter and supersedes any previous agreements or negotiations. This Easement may only be amended in writing, signed by both
arding this Easement shall be governed by the laws of the State of
hall be properly in King County Superior Court.

arties have executed this easement as of the last date set forth below.

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GRANTOR:

Microsoft Corporation

By: Stephanie Longstreth

Its: GM, Microsoft WWS

ACKNOWLEDGEMENT:

City of Redmond

DocuSigned by:
Angela Birney
F678C3A6CA90451...

By: Angela Birney Mayor

Date: 1/5/2024

STATE OF WASHINGTON }
} *SS.*
COUNTY OF KING }

I certify that I know or have satisfactory evidence that Stephanie Longstreth is the person who appeared before me, and said person acknowledged that they signed this instrument, on oath stated that they are authorized to execute the instrument and acknowledged it as the GM of **Microsoft Corporation** to be the free and voluntary act of such party for the uses and purposes mentioned in this instrument.

Dated: 12/14/23

Signature:

Notary Public
State of Washington
KAILEE AMANS

Notary Public in and for the State of Washington

Notary (print name) Kailee Amans

Residing at: One Microsoft Way

My appointment expires: 9/9/25

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EXHIBIT A

LEGAL DESCRIPTION OF GRANTOR'S PROPERTY

LOT 5, MICROSOFT WEST CAMPUS BINDING SITE PLAN, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 254 OF PLATS, PAGES 32 THROUGH 36, RECORDS OF KING COUNTY, WASHINGTON.

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EXHIBIT B
LEGAL DESCRIPTION OF PUBLIC ACCESS EASEMENT AREA

THAT PORTION OF LOT 5, MICROSOFT WEST CAMPUS BINDING SITE PLAN, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 254 OF PLATS, PAGES 32 THROUGH 36, RECORDS OF KING COUNTY, WASHINGTON, FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID LOT, SAID CORNER ALSO BEING A POINT ON THE WESTERLY MARGIN OF STATE ROUTE 520; THENCE SOUTH 90°00'00" WEST, ALONG THE NORTH LINE THEREOF 93.25 FEET TO THE TRUE POINT OF BEGINNING; THENCE CONTINUING ALONG SAID LINE SOUTH 90°00'00" WEST 63.49 FEET TO AN ANGLE POINT IN SAID LINE; THENCE SOUTH 0°00'00" WEST ALONG SAID LINE 33.42 FEET TO AN ANGLE POINT IN SAID LINE; THENCE NORTH 90°00'00" WEST 18.16 FEET TO THE BEGINNING OF A NON-TANGENT CURVE TO THE RIGHT HAVING A RADIUS OF 84.00 FEET AND TO SAID POINT A RADIAL BEARING OF SOUTH 52°51'02" EAST; THENCE DEPARTING SAID LINE SOUTHWESTERLY ALONG SAID CURVE 29.93 FEET THROUGH A CENTRAL ANGLE OF 20°24'47"; THENCE NORTH 32°05'47" WEST 3.00 FEET TO THE BEGINNING OF A NON-TANGENT CURVE TO THE RIGHT HAVING A RADIUS OF 81.00 FEET AND TO SAID POINT A RADIAL BEARING OF SOUTH 32°27'00" EAST; THENCE SOUTHWESTERLY ALONG SAID CURVE 31.10 FEET THROUGH A CENTRAL ANGLE OF 22°00'03" TO THE BEGINNING OF A CURVE HAVING A RADIUS OF 20.00 FEET; THENCE NORTHWESTERLY ALONG SAID CURVE 29.41 FEET THROUGH A CENTRAL ANGLE OF 84°15'48" TO SAID NORTH LINE; THENCE NORTH 90°00'00" WEST ALONG SAID LINE 24.44 FEET TO THE BEGINNING OF A NON-TANGENT CURVE TO THE LEFT HAVING A RADIUS OF 44.00 FEET AND TO SAID POINT A RADIAL BEARING OF SOUTH 82°43'15" WEST; THENCE DEPARTING SAID LINE SOUTHEASTERLY ALONG SAID CURVE 71.55 FEET THROUGH A CENTRAL ANGLE OF 93°10'12" TO THE BEGINNING OF A CURVE TO THE LEFT HAVING A RADIUS OF 105.00 FEET; THENCE NORTHEASTERLY 70.00 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 38°11'50"; THENCE NORTH 48°38'47" WEST ALONG A RADIAL LINE 3.00 FEET TO THE BEGINNING OF A NON-TANGENT CURVE TO THE LEFT HAVING A RADIUS OF 102.00 FEET; THENCE NORTHEASTERLY ALONG SAID CURVE 27.00 FEET THROUGH A CENTRAL ANGLE OF 15°10'00" TO THE BEGINNING OF A CURVE TO THE RIGHT HAVING A RADIUS OF 31.50 FEET;

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EXHIBIT B
LEGAL DESCRIPTION OF PUBLIC ACCESS EASEMENT AREA (CONTINUED)

THENCE NORTHEASTERLY ALONG SAID CURVE 29.70 FEET THROUGH A CENTRAL ANGLE OF 54°01'25"; THENCE NORTH 87°42'53" EAST 33.47 FEET; THENCE NORTH 04°22'46" EAST 9.26 FEET TO SAID NORTH LINE AND THE TRUE POINT OF BEGINNING.

SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON.

(CONTAINS 3,784± SQUARE FEET)

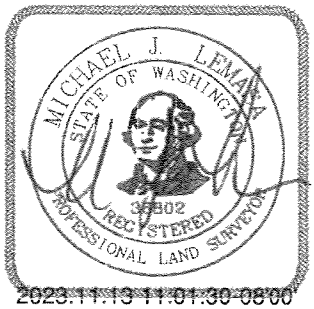

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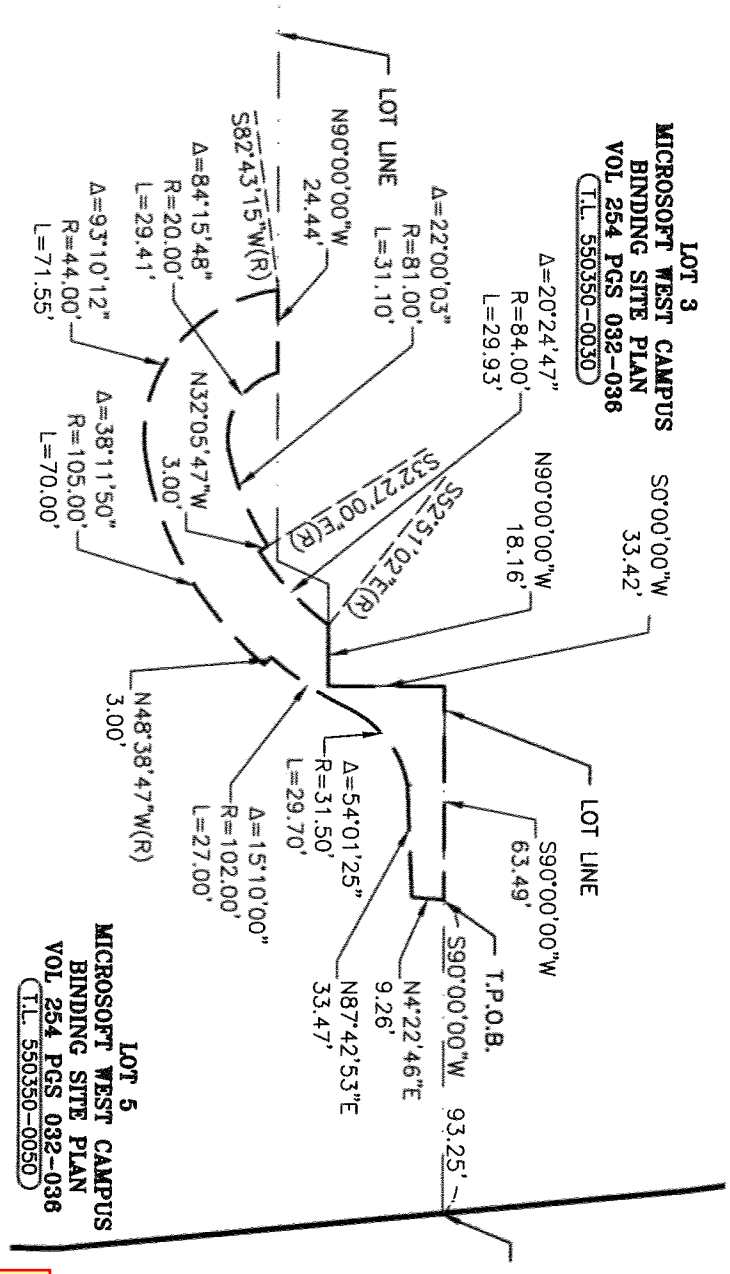
EXHIBIT C

PUBLIC ACCESS EASEMENT



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SCALE: 1" = 50' DRS PROJ. NO.: 22566.10

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Instrument Number: 20240202000004 Document:EAS Rec: $311.50 Page-1 of 9
Record Date:2/2/2024 8:02 AM
Electronically Recorded King County, WA EXCISE TAX NOT REQUIRED BY PAUL JUNG, DEPUTY

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P.O. Box 97010
Redmond, WA 98073-9710

Please print or type information **WASHINGTON STATE RECORDER'S Cover Sheet** (RCW 65.04)

Document Title(s) (or transactions contained therein): (all areas applicable to your document **must** be filled in)

PUBLIC PEDESTRIAN AND BICYCLE ACCESS EASEMENT

Reference Number(s) of Documents assigned or released:

☐ Additional reference #'s on page____of document

Grantor(s) Exactly as name(s) appear on document

MICROSOFT CORPORATION

☐ Additional reference #'s on page____of document

Grantee(s) Exactly as name(s) appear on document

CITY OF REDMOND

☐ Additional reference #'s on page____of document

Legal description (abbreviated: i.e., lot, block, plat or section, township, range)

LOT 3, MICROSOFT WEST CAMPUS BINDING SITE PLAN, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 254 OF PLATS, PAGES 32 THROUGH 36, RECORDS OF KING COUNTY, WASHINGTONN

☒ Additional reference #'s on page__6__of document

Assessor's Property Tax Parcel/Account Number __**550350-0030**_____

☐ Assessor Tax # not yet assigned

The Auditor/Recorder will rely on the information provided on this form. The staff will not read the document to verify the accuracy or completeness of the indexing information provided herein.

NO CONSIDERATION PAID

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PUBLIC PEDESTRIAN AND BICYCLE ACCESS EASEMENT

THIS PUBLIC PEDESTRIAN AND BICYCLE ACCESS EASEMENT (hereinafter referred to as "Easement") is hereby executed by and between **Microsoft Corporation** ("Grantor") and the **City of Redmond**, Washington, a municipal corporation organized under Title 35A RCW ("Grantee").

RECITALS

WHEREAS, the Grantor has developed real properties ("Properties"), legally described in **Exhibit A**, attached hereto and incorporated herein by reference, and donates and grants to the Grantee an easement for the purpose of providing public pedestrian and bicycle access over and across the Properties in an area legally described in **Exhibit B** attached, and depicted in **Exhibit C** attached hereto and incorporated herein by reference ("Easement"); and

WHEREAS, the Grantor desires to grant to the Grantee this Easement for the benefit of the general public and to establish maintenance and other obligations pertaining to the Easement;

NOW THEREFORE, in consideration of the foregoing and the covenants set forth herein, and in consideration of the mutual benefits accruing, the receipt and sufficiency of which are hereby acknowledged, the Grantor and Grantee agree as follows:

1. Grant of Easement. The Grantor does hereby grant to the Grantee, for the use and benefit of the general public a non-exclusive public pedestrian and bicycle access easement over and across the properties described in **Exhibit A** and for permitting maintenance of said public pedestrian and bicycle access together with the right of ingress and egress to, from and across said properties for the foregoing purposes, in an area legally described in **Exhibit B** and depicted in **Exhibit C**, over, across, along, in, and upon the Properties.

2. Use of Easement. The Grantor retains the right to use the Easement for any purpose not inconsistent or interfering with the easement rights granted to the Grantee. Use of the Easement by Grantor does not include the right to plant or maintain landscaping in or abutting the Easement not in compliance with the Grantee's municipal code or which may have root patterns that could cause damage to or interfere with pedestrian and bicycle improvements or to erect or maintain any structures, fences, gates, or any other physical feature which will act as a barrier to pedestrian and bicycle access except for temporary barriers necessary when conducting major repairs.

3. Covenant Running with the Land. The Easement is intended as a covenant running with the land and shall inure to the benefit of the general public and be recorded with the King County Recorder's Office.

4. Maintenance of the Easement. Maintenance and repair of the Easement shall be the responsibility of Grantor as specified in the Pedestrian Bridge O&M Agreement.

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Grantor agrees on its behalf and that of any successor or assign to protect, indemnify and hold harmless the Grantee, its officers, employees, and agents, from and

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against any and all actions, claims, costs, damages, demands, expenses, fines, injuries, judgments, liabilities, losses, penalties, or suits including, without limitation, attorneys' fees and costs (collectively, "claims") of any kind allegedly arising directly or indirectly from the Grantor's performance of the obligations contained in Sections 2 and 4 of this Easement, provided, however, where such actions, claims, costs, damages, or suits result from the concurrent negligence of the Parties, the Grantor's indemnity provisions provided herein shall be valid and enforceable only to the extent of the Grantor's own negligence. The provisions of this Paragraph shall apply to claims by the Grantor's own employees and the employees of the Grantor's agents, representatives, contractors, and subcontractors to which the Grantor might otherwise be immune under Title 51 RCW. This waiver of immunity under Title 51 RCW has been mutually negotiated by the parties hereto, and the Grantor acknowledges that the Grantee would not enter into this Easement agreement without the Grantor's waiver thereof.

Grantee agrees to hold harmless, indemnify and defend the Grantor from and against any and all claims, losses or liability, for injuries, sickness or death of persons, including employees of the Grantee, or damage to property, arising out of the exercise of Grantee's rights and obligations under this Easement or any willful misconduct or negligent act, error, or omission of the Grantee, its officers, agents, contractors, subcontractors, licensees, or employees, in connection with the Grantee's activities authorized by this easement, provided, however, that:

a. The Grantee's obligations to indemnify, defend and hold harmless shall not extend to injuries, sickness, death or damage caused by or resulting from the sole willful misconduct or sole negligence of the Grantor; and

b. The Grantee's obligations to indemnify, defend and hold harmless for injuries, sickness, death or damage caused by or resulting from the concurrent negligence or willful misconduct of the Grantee and the Grantor, or of the Grantee and a third party other than an officer, agent, contractor or employee of the Grantee, shall apply only to the extent of the negligence or willful misconduct of the Grantee (including an officer, agent, contractor or employee of the Grantee).

6. Removal or Relocation of Improvements. Grantor shall not remove or relocateany pedestrian or bicycle improvements in the Easement Area unless Grantor provides alternative facilities or alters the facilities in a manner that Grantee agrees provide equivalent functionality to the original improvements. .Grantor shall notify Grantee if Grantor plans to redevelop the Property. Promptly after such notice, Grantor will consult with Grantee, and Grantor shall provide a relocated Easement that will continue to provide pedestrian and bicycle access but will also not interfere with the Grantor's plans for the redeveloped Property. This relocation plan may be incorporated as part of the land use entitlement process for the redevelopment of the Property. In addition, if the pedestrian and bicycle pathway or Pedestrian Bridge is permanently closed or deconstructed, this Easement shall terminate, and Grantee shall relinquish its rights as provided in Section 10

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d shall cause its agents to maintain commercial general
iability or damage on, about or relating to Grantor's activities
with limits of not less than $3,000,000 combined single
egate, and containing a deductible or self-insured retention of

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not more than $10,000. The insurance shall name the Grantee as an additional insured. The insurance shall (a) be written by a company having a financial rating of at least "VIII" and a general policy holder's rating of "A," as rated in the most current Best's Key Rating Guide Property - Casualty, (b) have attached thereto an endorsement that such policy shall not be cancelled or materially changed without thirty (30) days prior written notice to the other party, (c) provide for severability of interests, and (d) provide that any act or omission of one of the insureds or additional insureds which would void or otherwise reduce coverage shall not reduce or void the coverage as to the additional insured. The Grantor shall deliver a certificate of insurance for the insurance policy required under this paragraph to the Grantee within 30 days following execution of this Easement. In addition, the Grantor shall maintain Workers Compensation and Employers' Liability insurance as required by Washington State. Grantor may at its option, meet the above insurance requirements via commercial insurance, self-insurance, alternative risk financing solutions, or a combination of these options, so long as the option chosen provides the same coverage stated above, and so long as Grantee furnishes proof of such coverage within 30 days following execution of this Easement.

8. Recovery of Litigation Costs. If either party brings suit against the other in order to enforce the provisions of this Easement or to redress any breach thereof, the prevailing party in such action shall be entitled to recover its reasonable costs and reasonable attorney's fees incurred in such action from the non-prevailing party, in addition to any other relief to which the prevailing party may be entitled.

9. Notices. Notices under this Easement shall be provided to the following:

City of Redmond **Finance - Real Property, MS: 3NFN** **P.O. Box 97010** **Redmond, WA 98073-9710**	**Microsoft Corporation** **Attn: VP, Global Workplace Services** **One Microsoft Way** **Redmond, WA 98052** **Microsoft Property Rights:** **gws-property-rights@microsoft.com**

10. Mutual Benefit. This Easement is granted for the mutual benefit of both named parties. In the event that both the Grantee and Grantor of this easement concurrently declare the rights granted herein to be surplus to the original conveyance, Grantee shall terminate, relinquish and release its rights by way of quit claim deed and without further consideration.

11. Miscellaneous. This Easement and its accompanying O&M Agreement constitute the entire concerning its subject matter and supersedes any previous is Easement may only be amended in writing, signed by both this Easement shall be governed by the laws of the State of properly in King County Superior Court.

have executed this easement as of the last date set forth below.

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GRANTOR:

Microsoft Corporation

By: Stephanie Longstreth

Its: GM, Microsoft CLWS

ACKNOWLEDGEMENT:

City of Redmond

DocuSigned by:
Angela Birney
F678C3A6CA90451...

By: Angela Birney Mayor

Date: 1/5/2024

STATE OF WASHINGTON }
} *SS.*
COUNTY OF KING }

I certify that I know or have satisfactory evidence that Stephanie Longstreth is the person who appeared before me, and said person acknowledged that they signed this instrument, on oath stated that they are authorized to execute the instrument and acknowledged it as the GM of **Microsoft Corporation** to be the free and voluntary act of such party for the uses and purposes mentioned in this instrument.

Dated: 12/14/23

Signature: Kailee Amans

Notary Public in and for the State of Washington

Notary (print name) Kailee Amans

Residing at: One Microsoft Way

My appointment expires: 9/9/25

Notary Public
State of Washington

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EXHIBIT A

LEGAL DESCRIPTION OF GRANTOR'S PROPERTY

LOT 3, MICROSOFT WEST CAMPUS BINDING SITE PLAN, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 254 OF PLATS, PAGES 32 THROUGH 36, RECORDS OF KING COUNTY, WASHINGTON

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EXHIBIT B
LEGAL DESCRIPTION OF PUBLIC ACCESS EASEMENT AREA

THAT PORTION OF LOT 3, MICROSOFT WEST CAMPUS BINDING SITE PLAN, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 254 OF PLATS, PAGES 32 THROUGH 36, RECORDS OF KING COUNTY, WASHINGTON, FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF SAID LOT, SAID CORNER ALSO BEING A POINT ON THE WESTERLY MARGIN OF STATE ROUTE 520; THENCE SOUTH 90°00'00" WEST, ALONG THE SOUTH LINE THEREOF 93.25 FEET TO THE TRUE POINT OF BEGINNING; THENCE DEPARTING SAID LINE NORTH 05°03'19" EAST 25.96 FEET; THENCE NORTH 79°17'45" WEST 10.25 FEET TO A POINT AT THE BEGINNING OF A NON-TANGENT CURVE TO THE RIGHT HAVING A RADIUS OF 81.00 FEET AND TO SAID POINT A RADIAL BEARING OF NORTH 85°05'41" WEST; THENCE NORTHEASTERLY ALONG SAID CURVE 40.39 FEET THROUGH A CENTRAL ANGLE OF 28°34'20" TO THE BEGINNING OF A CURVE TO THE RIGHT HAVING A RADIUS OF 6.50 FEET; THENCE NORTHEASTERLY ALONG SAID CURVE 5.40 FEET THROUGH A CENTRAL ANGLE OF 47°33'59"; THENCE NORTH 81°02'39" EAST 76.22 FEET TO SAID WESTERLY MARGIN; THENCE NORTH 07°47'31" WEST ALONG SAID MARGIN 20.00 FEET; THENCE DEPARTING SAID MARGIN SOUTH 81°02'39" WEST 76.63 FEET TO THE BEGINNING OF A CURVE TO THE LEFT HAVING A RADIUS OF 26.50 FEET; THENCE SOUTHWESTERLY ALONG SAID CURVE 22.00 FEET THROUGH A CENTRAL ANGLE OF 47°33'59" TO THE BEGINNING OF A CURVE TO THE LEFT HAVING A RADIUS OF 101.00 FEET; THENCE SOUTHWESTERLY ALONG SAID CURVE 28.91 FEET THROUGH A CENTRAL ANGLE OF 16°24'07" TO THE BEGINNING OF A CURVE TO THE RIGHT HAVING A RADIUS OF 5.00 FEET; THENCE WESTERLY ALONG SAID CURVE 7.40 FEET THROUGH A CENTRAL ANGLE OF 84°49'58"; THENCE NORTH 78°05'29" WEST 90.12 FEET; THENCE SOUTH 00°00'29" WEST 53.79 FEET TO THE BEGINNING OF A NON-TANGENT CURVE TO THE LEFT HAVING A RADIUS OF 65.00 FEET AND TO SAID POINT A RADIAL BEARING OF NORTH 01°28'17" EAST; THENCE SOUTHWESTERLY ALONG SAID CURVE 70.00 FEET THROUGH A CENTRAL ANGLE OF 61°42'11" TO THE BEGINNING OF A CURVE TO THE LEFT HAVING A RADIUS OF 44.00 FEET; THENCE SOUTHWESTERLY ALONG SAID CURVE 28.45 FEET THROUGH A CENTRAL ANGLE OF 37°02'51" TO THE SOUTH LINE OF SAID LOT; THENCE NORTH 90°00'00" EAST, ALONG SAID SOUTH LINE 24.44 FEET TO THE BEGINNING OF A NON-TANGENT CURVE TO THE RIGHT
00 FEET AND TO SAID POINT A RADIAL BEARING OF
HENCE DEPARTING SAID LINE NORTHERLY ALONG

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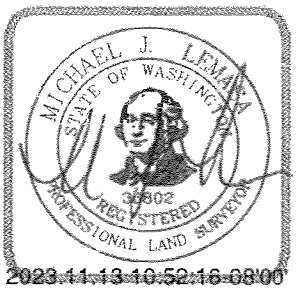
EXHIBIT B
LEGAL DESCRIPTION OF PUBLIC ACCESS EASEMENT AREA (CONTINUED)

SAID CURVE 16.04 FEET THROUGH A CENTRAL ANGLE OF 45°57'15" TO THE BEGINNING OF A CURVE TO THE RIGHT HAVING A RADIUS OF 41.00 FEET; THENCE NORTHEASTERLY ALONG SAID CURVE 43.11 FEET THROUGH A CENTRAL ANGLE OF 60°14'26"; THENCE SOUTH 89°59'28" EAST 49.38 FEET TO THE BEGINNING OF A NON-TANGENT CURVE TO THE RIGHT HAVING A RADIUS OF 84.00 FEET AND TO SAID POINT A RADIAL BEARING OF SOUTH 69°29'47" EAST; THENCE SOUTHWESTERLY ALONG SAID CURVE 24.40 FEET THROUGH A CENTRAL ANGLE OF 16°38'45" TO THE SOUTH LINE OF SAID LOT; THENCE SOUTH 90°00'00" EAST 18.16 FEET TO AN ANGLE POINT IN SAID SOUTH LINE; THENCE ALONG SAID LINE NORTH 00°00'00" EAST 33.42 FEET TO AN ANGLE POINT IN SAID LINE; THENCE ALONG SAID LINE NORTH 90°00'00" EAST 63.49 FEET TO THE TRUE POINT OF BEGINNING.

SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON.

(CONTAINS 11,412± SQUARE FEET)



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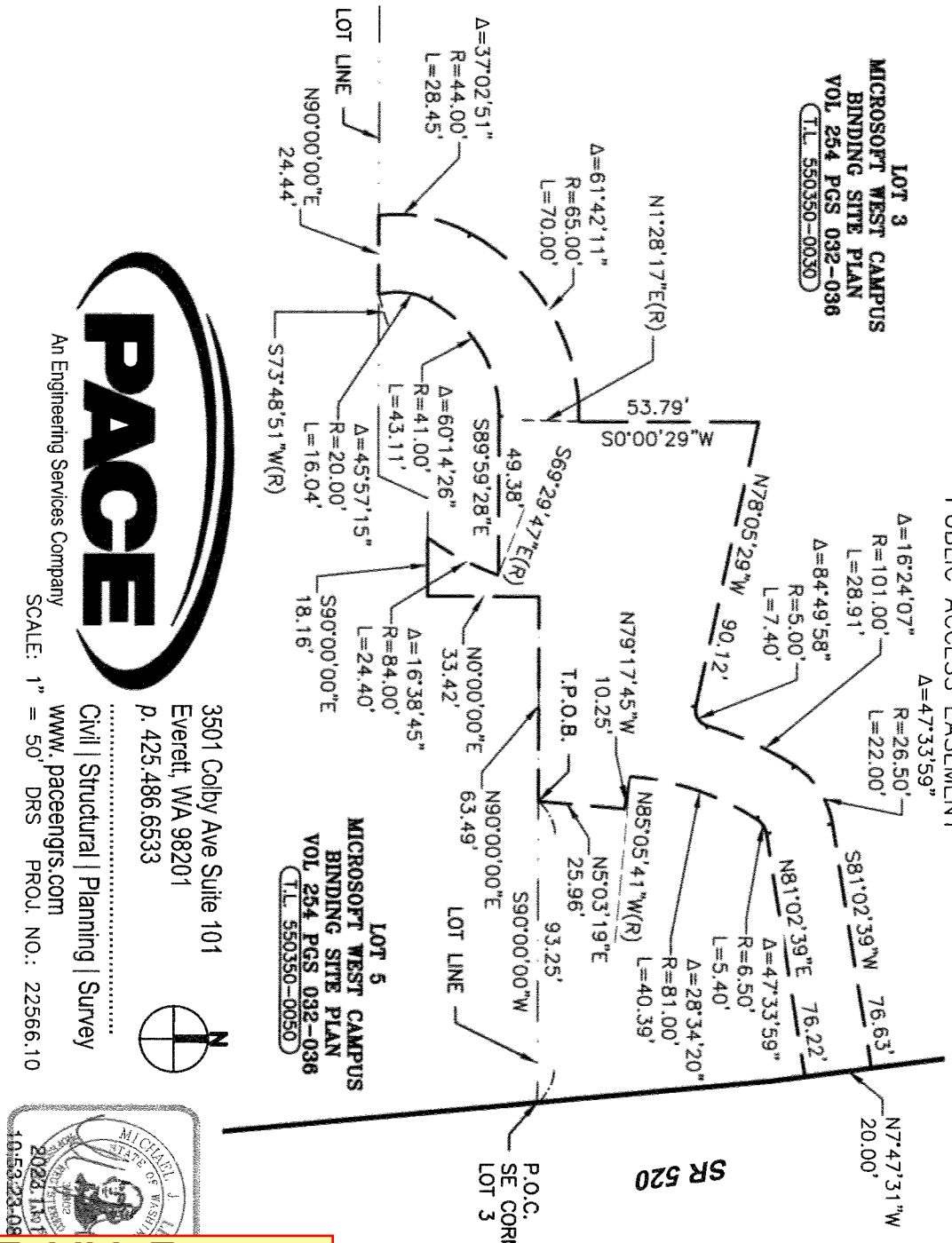

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Instrument Number: 20240202000005 Document:EAS Rec: $315.50 Page-1 of 13
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Redmond, WA 98073-9710

Please print or type information **WASHINGTON STATE RECORDER'S Cover Sheet** (RCW 65.04)

Document Title(s) (or transactions contained therein): (all areas applicable to your document **must** be filled in)

RIGHT-OF-WAY EASEMENT

Reference Number(s) of Documents assigned or released:

☐ Additional reference #'s on page____of document

Grantor(s) Exactly as name(s) appear on document

MICROSOFT CORPORATION

☐ Additional reference #'s on page____of document

Grantee(s) Exactly as name(s) appear on document

CITY OF REDMOND

☐ Additional reference #'s on page____of document

Legal description (abbreviated: i.e., lot, block, plat or section, township, range)

THAT PORTION OF THE NORTH HALF OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 23, TOWNSHIP 25 NORTH, RANGE 5 EAST, W.M., RECORDS OF KING COUNTY, WASHINGTON, LYING SOUTHEASTERLY OF THE SOUTHEAST MARGIN OF STATE HIGHWAY NO. SR 520 AS CONVEYED TO THE STATE OF WASHINGTON BY DEED RECORDED UNDER RECORDING NUMBER 7104290555…

☒ Additional reference #'s on page 11 of document

Assessor's Property Tax Parcel/Account Number 232505-9120

☐ Assessor Tax # not yet assigned

The Auditor/Recorder will rely on the information provided on this form. The staff will not read the document for the indexing information provided herein.

NO CONSIDERATION PAID

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City of Redmond
Redmond Technology Station Pedestrian Bridge/Trail

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RIGHT-OF-WAY EASEMENT

This Pedestrian Bridge Easement Agreement (this "Agreement") is made this 12th day of Jan., 2024, between Microsoft Corporation, hereinafter referred to as "Grantor," and the City of Redmond, a municipal corporation of the State of Washington, hereinafter referred to as "Grantee." Grantor and Grantee are sometimes collectively referred to herein as "the Parties."

RECITALS

A. Grantor owns certain real property legally described on **Exhibit A** hereto (the "Property").

B. Pursuant to that certain Agreement for Construction of the Redmond Technology Station Pedestrian/Bicycle Bridge (the "Agreement") entered into by Grantor and Grantee effective June 3, 2019, Grantee has constructed a pedestrian bridge ("Pedestrian Bridge") near Sound Transit's Redmond Technology Light Rail Station (the "Redmond Technology Station). The purpose of the Pedestrian Bridge is to provide pedestrian and bicycle access to and from the Redmond Technology Station across the adjacent SR-520 and light rail trackway. The Pedestrian Bridge is owned by Grantee.

C. Grantor and Grantee are further parties to that certain Redmond Technology Station Pedestrian/Bicycle Bridge Operation and Maintenance Agreement (the "O&M Agreement") of even date herewith, the purpose of which is to establish clear roles and responsibilities for each Party for the ongoing maintenance, operations and repair of the Pedestrian Bridge and related appurtenances and other Grantee-owned and Grantor-owned infrastructure.

D. Grantor has agreed to grant certain easement rights to Grantee over the Property for the location and maintenance of the Pedestrian Bridge and associated appurtenances in accordance with the terms and conditions of this Agreement.

E. As set forth in the Agreement, Grantor has agreed to grant these easement rights without [illegible] the benefits received by Grantor from the pedestrian and bicycle [illegible] Bridge.

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AGREEMENT

THEREFORE, in consideration of mutual benefits to be derived and in consideration of the performance of the covenants, terms and conditions hereinafter set forth, Grantor hereby conveys the following easement to Grantee:

> A non-exclusive easement (the "Easement") across, along, in, upon, over, and under the Property, including all appurtenances attached thereto ("Grantor's Facilities"), for the purposes set forth herein, in the area legally described on **Exhibit B** and depicted on **Exhibit C** (the "Easement Area"), together with the right of ingress to and egress from the Property for the Grantee and its agents, employees, representatives, contractors, invitees, and licensees.

The Easement is granted in conjunction with, and subject to, the Agreement and the O&M Agreement and is conditioned upon the following terms, conditions and covenants:

1. Purposes. Grantee shall use the Easement for the purpose of providing a bridge for pedestrian and bicycle use by members of the general public across the Property to and from the Redmond Technology Station. Grantee shall have rights over and across the Easement Area for the purpose of constructing, installing, altering, improving, extending, accessing, inspecting, operating, maintaining, repairing, replacing, and removing the Pedestrian Bridge and all components appurtenant thereto, including without limitation the bridge/ramp deck, columns, footings, abutments, utilities, vaults, and conduit, and related improvements ("Grantee's Facilities"). In addition, Grantee shall be entitled to connect drainage facilities conveying stormwater from the Pedestrian Bridge to drainage systems owned or operated by Grantor on the Property and to use Grantor's drainage systems without charge to convey stormwater to public drainage systems. Except as otherwise provided in the Agreement and O&M Agreement, Grantee shall not use the Property for any other purpose whatsoever.

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City of Redmond
Redmond Technology Station Pedestrian Bridge/Trail
Page 47 of 85

_The following conditions apply to Grantee's occupancy,
rea:

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a. Grantee shall be responsible for the maintenance, inspection and repair of the Pedestrian Bridge and all appurtenances thereto in the Easement Area on the Property, as further detailed in and limited by the O&M Agreement. Grantee will maintain the Pedestrian Bridge in a state of good condition and repair in accordance with generally accepted public infrastructure management. Grantee shall be responsible for and promptly repair any damage to the Property as a result of the Grantee's use of the Easement.

b. Grantee shall not construct or maintain any permanent or temporary structures upon or within the Easement Area other than the Pedestrian Bridge and related appurtenances as the same is depicted on Exhibit C, except as otherwise provided in the Agreement or the O&M Agreement.

c. Grantee shall not park or operate construction vehicles, trucks, or store materials or equipment on the Property in or adjacent to the Easement Area except as may be reasonably necessary for the construction, maintenance, repair, inspection, and replacement of the Pedestrian Bridge and related improvements referenced herein. Such activities shall be coordinated with the Grantor in accordance with the O&M Agreement.

d. Grantor's vehicular and pedestrian access/egress to and from the Property and Grantor's Facilities and operations shall be maintained at all times during use of the Easement Area by Grantee or its Representatives or invitees, unless approved otherwise in writing by Grantor.

e. Grantee shall conduct its activities on the Easement Area in a reasonably safe manner and shall be responsible (1) for injuries to persons and property using the Pedestrian Bridge and related improvements in the Easement Area to the same extent, but only to such extent, as Grantee is responsible for injuries to persons using sidewalks, bicycle pathways, and other similar facilities owned by Grantee, and (2) for injuries to persons and property using the Pedestrian Bridge and related improvements where Grantee's failure to fulfill its maintenance responsibilities in the O&M Agreement results in a dangerous [illegible] Grantee has actual knowledge of, provided, that in the case of

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both (1) and (2), Grantee shall not be responsible for any endangerment of such persons or property as the result of the activities of Grantor.

f. Grantee shall be responsible for any damage done to the Property by the general public or Grantee or its employees, agents, representatives, contractors, licensees, or invitees acting within the scope of Grantee's invitation and shall promptly repair such damage at its sole cost, as further set forth in the O&M Agreement. Any repairs will be conducted at Grantor's direction and reasonable discretion, as further set forth in the O&M Agreement.

g. Grantee shall be responsible to clean up any spills, fuel or leaks arising out of its use of the Easement Area.

h. Grantee shall in no event dispose of hazardous materials on or under the ground surface of the Property.

3. Non-Exclusive. Grantor reserves the right to grant other non-exclusive easements, franchises and/or permits across the Property; provided, that such easements, franchises or permits shall not permit uses that unreasonably interfere with Grantee's authorized use of the Property under the Easement.

4. Indemnity. Grantee agrees to hold harmless, indemnify and defend Grantor from and against any and all claims, losses or liability, for injuries, sickness or death of persons, including employees of the Grantee, or damage to property, arising out of the exercise of Grantee's rights under this Easement or any willful misconduct or negligent act, error, or omission of Grantee, its officers, agents, contractors, subcontractors, licensees, or employees, in connection with the Grantee's activities authorized by this easement, provided, however, that:

a. Grantee's obligations to indemnify, defend and hold harmless shall not extend to injuries, sickness, death or damage caused by or resulting from the sole willful misconduct or sole negligence of Grantor; and

b. Grantee's obligations to indemnify, defend and hold harmless for injuries, sickness, death or damage caused by or resulting from the concurrent negligence or willful ee and Grantor, or of Grantee and a third party other than an ctor or employee of Grantee, shall apply only to the extent of

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the negligence or willful misconduct of Grantee (including an officer, agent, contractor or employee of the Grantee).

In addition to all other indemnities provided in this Easement, Grantee agrees to protect, defend, and indemnify and hold Grantor harmless for any suits, claims, damages, strict liabilities, and costs or liabilities associated with the presence, removal or remediation of any Hazardous Substance (including petroleum and gasoline products) that are released onto or from the Easement Area, or otherwise come to be located on the Property as a result of the Grantee's actions in using the Property, including the construction, reconstruction, alteration, maintenance, operation, repair, removal or relocation of Grantee's Facilities. Grantee shall have no liability for any Hazardous Substances released onto or from the Easement Area as the result of Grantor's retained use of the Property or any adjacent property of Grantor. "Hazardous Substances" for purposes of this section include, but are not limited to, those substances included within the definition of "hazardous wastes" or solid wastes in any federal, state or local law, statute, ordinance, regulation, order, or rule pertaining to health, industrial hygiene, environmental conditions or hazardous substances. "Costs" shall include, but not be limited to, all response or remediation costs, disposal fees, investigation costs, monitoring costs, civil or criminal penalties, attorneys' fees, and other litigation costs incurred in connection with such response or remediation.

The indemnification obligations provided in this Section shall survive termination of this Easement for any claim or liability arising out of an event or occurrence that took place prior to such termination.

5. Insurance.

Grantor acknowledged that Grantee insures its operations under its General Liability program. Liability associated with the operation and maintenance of the Bridge pursuant to this Agreement will also be covered by that program. Grantee shall also purchase or maintain property insurance insuring the full replacement value of the Bridge for fire and extended perils including earthquake coverage. Grantee shall cause its insurer to name or list Grantor as an additional insured under
m for claims related to Grantee's operation and maintenance of
ble under Grantee's coverage. Grantee shall deliver to Grantor
g that Grantee has the insurance required by this Section. Any

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notice of cancellation of such insurance received by Grantee shall be delivered promptly to Grantor. Grantor shall be solely responsible for obtaining any additional insurance deemed necessary or desirable by Grantor.

6. Representations. Grantee will exercise its rights under this Agreement in accordance with the requirements of all applicable statutes, orders, rules and regulations of any public authority having jurisdiction. Grantee expressly acknowledges that Grantor makes no guarantees, warranties or representations as to the safety or suitability of the Property for the uses authorized under this Agreement. Grantee acknowledges that Grantee is using the Property in an "as-is and where-is" condition, with all faults and defects, latent and otherwise, and shall assume the risks that adverse physical conditions may not have been revealed by its investigation.

7. Covenants Run with the Land. The terms and conditions of this Agreement shall run with the land and be binding upon and inure to the benefit of the parties hereto and their respective heirs, successors, assigns, and legal representatives.

8. Abandonment. The rights herein granted shall continue until such time as Grantee ceases to use the Easement Area for the purposes defined herein for a period of two years or more. In this event, the Easement shall terminate, Grantee shall remove Grantee's Facilities, and any improvements remaining, from the Easement Area, and leave the Easement Area in as good a condition as before the date of this Agreement.

9. Amendment. This Agreement may not be amended or modified except in writing signed by each of the parties hereto.

10. Mutual Benefit. This Easement is granted for the mutual benefit of both named parties. In the event that both the Grantee and Grantor of this easement concurrently declare the rights granted herein to be surplus to the original conveyance, Grantee shall terminate, relinquish and release its rights by way of quit claim deed and without further consideration.

s Agreement may be executed in counterparts, which, when
ne Agreement. However, this Agreement shall not be effective
gnatures have been obtained.

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12. Governing Law. This Agreement shall be governed by the laws of the State of Washington without regard to the conflict of law provisions therein.

13. Venue. Venue for any action pertaining to this Agreement will be in King County Superior Court, King County, Washington.

14. Authorized Signature. Each party to this Agreement warrants and represents to the other parties that the individual signing this Agreement on behalf of such party has been duly authorized to execute this Agreement.

15. Survival. The obligations set forth in Section 4 shall survive termination of this Agreement.

Executed as of the date hereinabove set forth.

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GRANTOR

MICROSOFT CORPORATION

By: _____

Print Name: _____

Title: _____

The terms and conditions of this easement are hereby accepted and approved by the Grantee as of the date hereinabove set forth.

GRANTEE

CITY OF REDMOND

_____
Mayor Angela Birney

Attest: _____
Cheryl Xanthos
City Clerk

Approved as to Form for Grantee:

DocuSigned by:
By: James E. Haney
8533ACE906894B5...
James E. Haney
City Attorney

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(ACKNOWLEDGEMENT FOR GRANTOR)

STATE OF WASHINGTON)
) ss.
County of King)

On this 19 day of December, 2023, before me, the undersigned notary public in and for the State of Washington, duly commissioned and sworn, personally appeared Stephanie Longstreth to me known to be the Secretary of Microsoft Corporation, the corporation that executed the foregoing instrument, and acknowledged said instrument to be the free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that he/she was duly authorized to execute the same.

WITNESS my hand and official seal hereto the day and year in this Certificate first above written.

Notary Public
State of Washington
KAILEE AMANS
LICENSE # 21035692
MY COMMISSION EXPIRES
SEPTEMBER 19, 2025

Kailee Amans Notary Public in and for the State of Washington, residing at Redmond, WA.
My appointment expires 9/19/25

(ACKNOWLEDGEMENT FOR GRANTEE)

STATE OF WASHINGTON)
) ss.
County of King)

On this 12 day of January, 2024, before me personally appeared ~~John Marchione~~ ANGELA BIRNEY to me known to be the Mayor of the CITY OF REDMOND, the authority that executed the within and foregoing instrument, and acknowledged said instrument to be the free and voluntary act and deed of said authority, for the uses and purposes therein mentioned, and on oath stated that he/she was duly authorized to execute the same.

WITNESS my hand and official seal hereto the day and year in this Certificate first above written.

CHERYL D XANTHOS

Cheryl D Xanthos Notary Public in and for the State of Washington, residing at Redmond.
My appointment expires 2/9/26

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EXHIBIT A
LEGAL DESCRIPTION OF GRANTOR'S PROPERTY

THAT PORTION OF THE NORTH HALF OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 23, TOWNSHIP 25 NORTH, RANGE 5 EAST, W.M., RECORDS OF KING COUNTY, WASHINGTON, LYING SOUTHEASTERLY OF THE SOUTHEAST MARGIN OF STATE HIGHWAY NO. SR 520 AS CONVEYED TO THE STATE OF WASHINGTON BY DEED RECORDED UNDER RECORDING NUMBER 7104290555;

EXCEPT THE EAST 30 FEET;

AND EXCEPT THE WEST 12 FEET OF THE EAST 42 FEET OF SAID SOUTHEAST QUARTER OF THE NORTHWEST QUARTER AS CONDEMNDED IN KING COUNTY SUPERIOR COURT CAUSE NO. 84-2-12153-0;

TOGETHER WITH THAT PORTION OF THE SOUTH HALF OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF THE NORTHWEST:QUARTER OF SECTION 23, TOWNSHIP 25 NORTH, RANGE 5 EAST, W.M., IN KING COUNTY, WASHINGTON, LYING EAST OF SR 520 RIGHT-OF-WAY, AS CONVEYED TO THE STATE OF WASHINGTON BY DEED RECORDED UNDER RECORDING NO. 7103180094, AND LYING SOUTHWEST OF NORTHEAST 36TH STREET, AS CONVEYED TO THE CITY OF REDMOND BY DEED RECORDED UNDER RECORDING NUMBER 20020131000898

AND EXCEPT THAT PORTION AS CONVEYED TO CENTRAL PUGET SOUND REGIONAL TRANSIT AUTHORITY RECORDED UNDER RECORDING NO. 20171109001137.

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EXHIBIT B
LEGAL DESCRIPTION OF RIGHT OF WAY EASEMENT AREA

THAT PORTION OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 23, TOWNSHIP 25 NORTH, RANGE 5 EAST, W. M., IN KING COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

A 40-FOOT-WIDE STRIP OF LAND LYING 20 FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:

COMMENCING AT THE INTERSECTION OF THE CENTERLINE OF NE 36TH STREET AND THE CENTERLINE OF 156TH AVENUE SE, SAID INTERSECTION BEARS SOUTH 1°09'29" WEST 1286.05 FEET FROM THE NORTHEAST CORNER OF SAID NORTHWEST QUARTER; THENCE ALONG SAID CENTERLINE OF NE 36TH STREET NORTH 88°50'31" WEST 183.86 FEET; THENCE SOUTH 46°36'40" EAST 44.63 FEET TO THE SOUTH MARGIN OF NE 36TH STREET AND THE TRUE POINT OF BEGINNING; THENCE DEPARTING SAID MARGIN, CONTINUING SOUTH 46°36'40" EAST 146.95 FEET TO THE WESTERLY MARGIN OF 156TH AVENUE NE AND THE TERMINUS OF SAID CENTERLINE DESCRIPTION.

SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON.

(CONTAINS 5,878± SQUARE FEET)

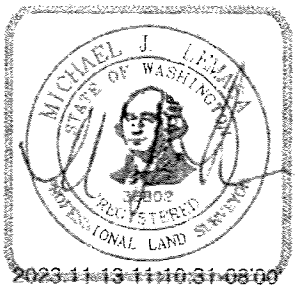

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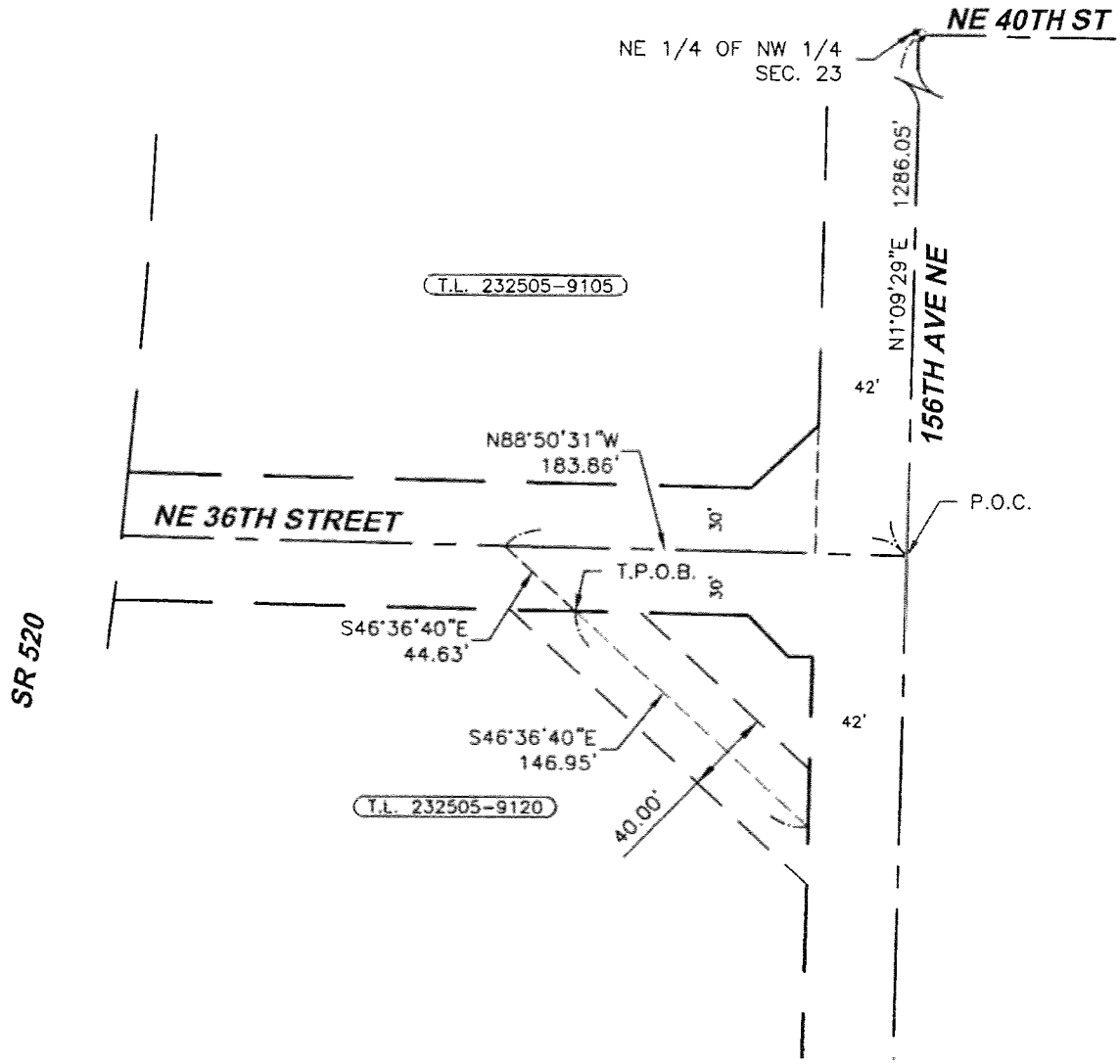
EXHIBIT C

RIGHT-OF-WAY EASEMENT (PED BRIDGE)



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PACE
n Engineering Services Company

3501 Colby Ave Suite 101
Everett, WA 98201
p. 425.486.6533
Civil | Structural | Planning | Survey
www. paceengrs.com

N

LE: 1" = 80' DRS 2023-05-18 PROJ. NO.: 22566.10

Instrument Number: 20240202000006 Document:EAS Rec: $308.50 Page-1 of 6
Record Date:2/2/2024 8:02 AM
Electronically Recorded King County, WA EXCISE TAX NOT REQUIRED BY PAUL JUNG, DEPUTY

DocuSign Envelope ID: AE750A07-C28F-4AF3-9062-659A76C86A66

Return Address:
City of Redmond
Finance-Real Property, MS: 3NFN
P.O. Box 97010
Redmond, WA 98073-9710

WASHINGTON STATE COUNTY AUDITOR/RECORDER INDEXING FORM

Document Title(s) (*or transactions contained therein*):

EASEMENT (SIDEWALK AND UTILITY)

Reference Number(s) of Documents assigned or released:
Additional reference numbers on page ____ of document

Grantor(s): MICROSOFT CORPORATION

☐ Additional names on page __ of document

Grantee(s): REDMOND, CITY OF

☐ Additional names on page __ of document

Legal Description: *(abbreviated form i.e. lot, block, plat name, section-township-range)*

THAT PORTION OF THE NORTH HALF OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 23, TOWNSHIP 25 NORTH, RANGE 5 EAST, W.M., RECORDS OF KING COUNTY, WASHINGTON, LYING SOUTHEASTERLY OF THE SOUTHEAST MARGIN OF STATE HIGHWAY NO. SR 520 AS CONVEYED TO THE STATE OF WASHINGTON BY DEED RECORDED UNDER RECORDING NUMBER 7104290555;

■ **Additional legal is on Exhibit A of document**

Assessor's Property Tax Parcel Account Number(s):

232505-9120

City of Redmond Reference: ***156th Ave NE***

Permit Number: *N/A*

n provided on the form. The staff will not read the document to
ing information provided herein.

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SIDEWALK AND UTILITY EASEMENT

THE GRANTOR, MICROSOFT CORPORATION, for valuable consideration, in hand paid, receipt of which is hereby acknowledged, hereby grants and conveys to **CITY OF REDMOND**, a municipal corporation of the state of Washington (hereinafter called "Grantee"), its successors and assigns, a permanent, non-exclusive easement over, under, in, along, across and upon a portion of that certain land legally described in **EXHIBIT "A"**, and more particularly described in **EXHIBIT "B"** ("Easement Area"), attached hereto and incorporated herein by reference, and as graphically depicted on **Exhibit "C"**, attached hereto,

This easement is for the purposes of constructing, reconstructing, installing, repairing, and maintaining public sidewalks; public illumination system, signalized pedestrian crossing, and traffic signalization facilities, and public utilities (including but not limited to electric, water, sewer, storm), with ordinary and necessary appurtenances over, upon, under, through and across the described Easement Area, together with the right to keep Easement Area free of obstructions, along with the right of ingress and egress thereto without prior institution of any suit or proceedings of law and without incurring any legal obligation or liability therefore to enable Grantee to exercise is rights hereunder. This easement is granted subject to the following terms and conditions:

1. The Grantee shall, upon completion of any work within the property covered by the easement, restore the surface of the easement area as nearly as practicable to the condition it was in immediately before commencement of the work, or entry by the Grantee, except as described below.

2. Grantor shall retain the right to use the surface of the Easement Area as long as such use does not interfere with the easement rights granted to the Grantee. Grantor shall not, however, have the right to:

   a. Erect or maintain any buildings or structures within the Easement Area; or

   b. Plant trees, shrubs or vegetation within the Easement Area having root patterns which may cause damage to or interfere with sidewalks or utilities, or utility appurtenances placed within the Easement Area by the Grantee; or

   c. Develop, landscape, or beautify the easement area in any way which would unreasonably increase the cost to the Grantee of restoring the easement area and any private improvement therein.

The Grantee agrees to hold harmless, indemnify and defend the Grantor from and against any and all claims, demands, damages, causes of action, losses, liabilities, and expenses (including r (collectively, "Claims"), including without limitation s, including employees of the Grantee, or damage to rantee's use of the easement area or the exercise of of or related to any willful misconduct or negligent act,

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error, or omission of the Grantee, its officers, agents, contractors, subcontractors, licensees, or employees, in connection with the Grantee's use of the easement or activities conducted pursuant to this easement, provided, however, that:

(a) The Grantee's obligations to indemnify, defend and hold harmless shall not extend to Claims caused by or resulting from the sole willful misconduct or sole negligence of the Grantor; and

(b) The Grantee's obligations to indemnify, defend and hold harmless for Claims caused by or resulting from the concurrent negligence or willful misconduct of the Grantee and the Grantor, or of the Grantee and a third party other than an officer, agent, contractor or employee of the Grantee, shall apply only to the extent of the negligence or willful misconduct of the Grantee (including an officer, agent, contractor or employee of the Grantee).

This Easement is granted for the mutual benefit of both named parties. In the event that both the Grantee and Grantor of this easement concurrently declare the rights granted herein to be surplus to the original conveyance, Grantee shall terminate, relinquish and release its rights by way of quit claim only and without further consideration.

This easement and covenants herein shall be recorded with the King County Recorder and shall be binding on the Grantor, its successors, heirs and assigns.

Grantor covenants that it is the lawful owner of the above-described property and has authority to convey such easement.

Dated this 14th day of December, 2023.

GRANTOR: _____

By: _____

Print Name: _____

Its: _____

ACKNOWLEDGMENT:
CITY OF REDMOND

DocuSigned by:
Name: Angela Birney Mayor

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EXHIBIT A
LEGAL DESCRIPTION OF GRANTOR'S PROPERTY

THAT PORTION OF THE NORTH HALF OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 23, TOWNSHIP 25 NORTH, RANGE 5 EAST, W.M., RECORDS OF KING COUNTY, WASHINGTON, LYING SOUTHEASTERLY OF THE SOUTHEAST MARGIN OF STATE HIGHWAY NO. SR 520 AS CONVEYED TO THE STATE OF WASHINGTON BY DEED RECORDED UNDER RECORDING NUMBER 7104290555;

EXCEPT THE EAST 30 FEET;

AND EXCEPT THE WEST 12 FEET OF THE EAST 42 FEET OF SAID SOUTHEAST QUARTER OF THE NORTHWEST QUARTER AS CONDEMNDED IN KING COUNTY SUPERIOR COURT CAUSE NO. 84-2-12153-0;

TOGETHER WITH THAT PORTION OF THE SOUTH HALF OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF THE NORTHWEST:QUARTER OF SECTION 23, TOWNSHIP 25 NORTH, RANGE 5 EAST, W.M., IN KING COUNTY, WASHINGTON, LYING EAST OF SR 520 RIGHT-OF-WAY, AS CONVEYED TO THE STATE OF WASHINGTON BY DEED RECORDED UNDER RECORDING NO. 7103180094, AND LYING SOUTHWEST OF NORTHEAST 36TH STREET, AS CONVEYED TO THE CITY OF REDMOND BY DEED RECORDED UNDER RECORDING NUMBER 20020131000898;

AND EXCEPT THAT PORTION AS CONVEYED TO CENTRAL PUGET SOUND REGIONAL TRANSIT AUTHORITY RECORDED UNDER RECORDING NO. 20171109001137.

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EXHIBIT B
LEGAL DESCRIPTION OF SIDEWALK AND STREET LIGHT EASEMENT

THE NORTH 140.00 FEET OF THE EAST 5.00 FEET OF THE FOLLOWING DESCRIBED REAL PROPERTY LYING ADJACENT TO THE WESTERLY MARGIN OF 156TH AVENUE NE:

THAT PORTION OF THE NORTH HALF OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 23, TOWNSHIP 25 NORTH, RANGE 5 EAST, W.M., RECORDS OF KING COUNTY, WASHINGTON, LYING SOUTHEASTERLY OF THE SOUTHEAST MARGIN OF STATE HIGHWAY NO. SR 520 AS CONVEYED TO THE STATE OF WASHINGTON BY DEED RECORDED UNDER RECORDING NUMBER 7104290555;

EXCEPT THE EAST 30 FEET;

AND EXCEPT THE WEST 12 FEET OF THE EAST 42 FEET OF SAID SOUTHEAST QUARTER OF THE NORTHWEST QUARTER AS CONDEMNDED IN KING COUNTY SUPERIOR COURT CAUSE NO. 84-2-12153-0;

TOGETHER WITH THAT PORTION OF THE SOUTH HALF OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF THE NORTHWEST:QUARTER OF SECTION 23, TOWNSHIP 25 NORTH, RANGE 5 EAST, W.M., IN KING COUNTY, WASHINGTON, LYING EAST OF SR 520 RIGHT-OF-WAY, AS CONVEYED TO THE STATE OF WASHINGTON BY DEED RECORDED UNDER RECORDING NO. 7103180094, AND LYING SOUTHWEST OF NORTHEAST 36TH STREET, AS CONVEYED TO THE CITY OF REDMOND BY DEED RECORDED UNDER RECORDING NUMBER 20020131000898;

AND EXCEPT THAT PORTION AS CONVEYED TO CENTRAL PUGET SOUND REGIONAL TRANSIT AUTHORITY RECORDED UNDER RECORDING NO. 20171109001137.

SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON.

(CONTAINS 700± SQUARE FEET)

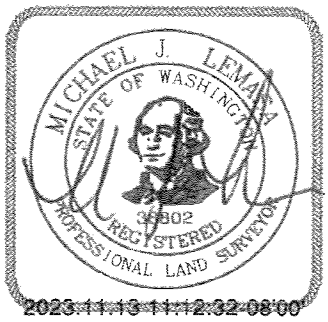

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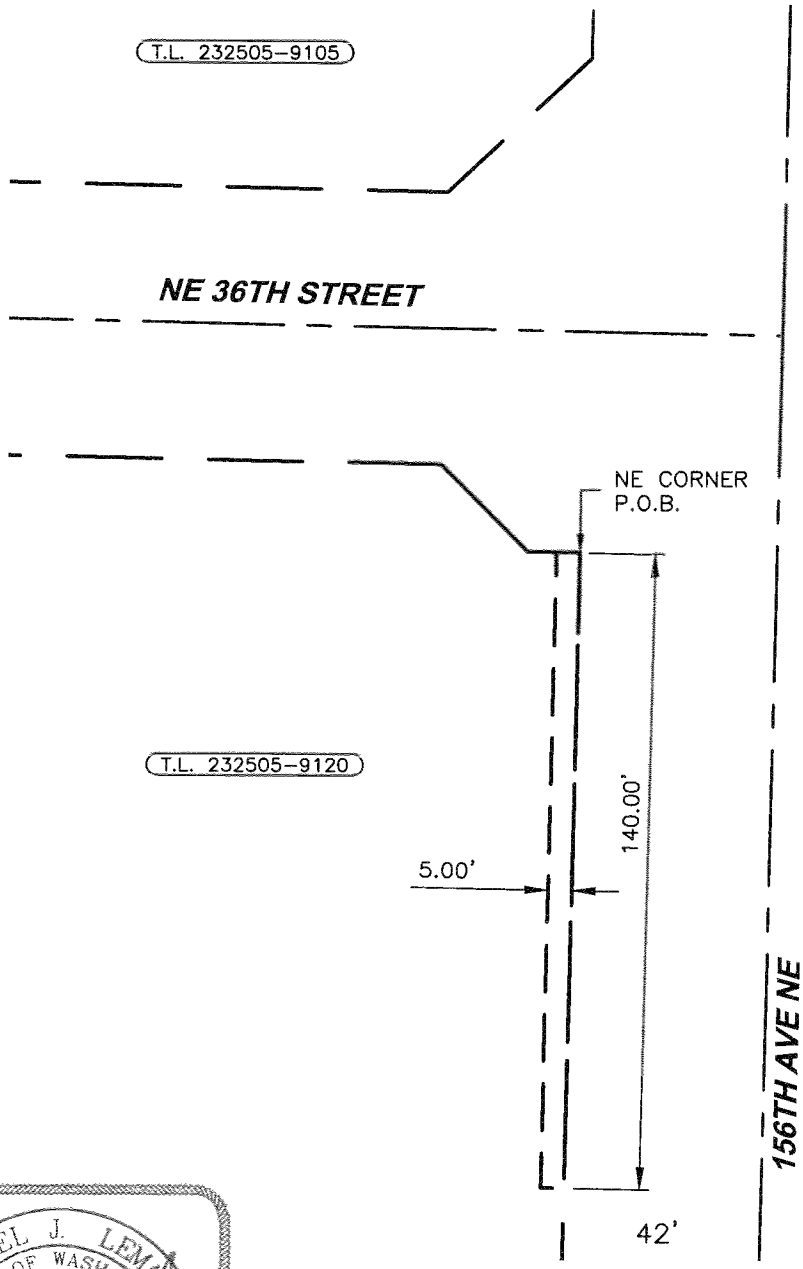
EXHIBIT C

SIDEWALK AND STREETLIGHT EASEMENT



MICHAEL J. LEMAY
STATE OF WASHINGTON

3501 Colby Ave Suite 101
Everett, WA 98201
p. 425.486.6533

Civil | Structural | Planning | Survey
www. paceengrs.com

neering Services Company

" = 40' DRS 2023-06-27 PROJ. NO.: 22566.10

Exhibit E
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City of Redmond
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Instrument Number: 20240202000007 Document:EAS Rec: $315.50 Page-1 of 13
Record Date:2/2/2024 8:02 AM
Electronically Recorded King County, WA EXCISE TAX NOT REQUIRED BY PAUL JUNG, DEPUTY

DocuSign Envelope ID: 005EB8E8-C4B7-48B9-8AC9-5B1D524FC9ED

Return Address:
City of Redmond
Finance-Real Property, MS: 3NFN
P.O. Box 97010
Redmond, WA 98073-9710

Please print or type information **WASHINGTON STATE RECORDER'S Cover Sheet** (RCW 65.04)

Document Title(s) (or transactions contained therein): (all areas applicable to your document **must** be filled in)

RIGHT-OF-WAY EASEMENT

Reference Number(s) of Documents assigned or released:

☐ Additional reference #'s on page____of document

Grantor(s) Exactly as name(s) appear on document

MICROSOFT CORPORATION

☐ Additional reference #'s on page____of document

Grantee(s) Exactly as name(s) appear on document

CITY OF REDMOND

☐ Additional reference #'s on page____of document

Legal description (abbreviated: i.e., lot, block, plat or section, township, range)

LOT 100, AMENDMENT TO CITY OF REDMOND BINDING SITE PLAN NO. L040040, MICROSOFT MAIN CAMPUS BINDING SITE PLAN, AS RECORDED UNDER RECORDING NUMBER 20190402000165, RECORDS OF KING COUNTY, WASHINGTON.

☒ Additional reference #'s on page__11__of document

Assessor's Property Tax Parcel/Account Number __ **550300-0010**

☐ Assessor Tax # not yet assigned

The Auditor/Recorder will rely on the information provided on this form. The staff will not read the document to verify the accuracy or completeness of the indexing information provided herein.

NO CONSIDERATION PAID

Exhibit E
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City of Redmond
Redmond Technology Station Pedestrian Bridge/Trail

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RIGHT-OF-WAY EASEMENT

This Pedestrian Bridge Easement Agreement (this "Agreement") is made this 12th day of Jan., 2024, between Microsoft Corporation, hereinafter referred to as "Grantor," and the City of Redmond, a municipal corporation of the State of Washington, hereinafter referred to as "Grantee." Grantor and Grantee are sometimes collectively referred to herein as "the Parties."

RECITALS

A. Grantor owns certain real property legally described on **Exhibit A** hereto (the "Property").

B. Pursuant to that certain Agreement for Construction of the Redmond Technology Station Pedestrian/Bicycle Bridge (the "Agreement") entered into by Grantor and Grantee effective June 3, 2019, Grantee has constructed a pedestrian bridge ("Pedestrian Bridge") near Sound Transit's Redmond Technology Light Rail Station (the "Redmond Technology Station). The purpose of the Pedestrian Bridge is to provide pedestrian and bicycle access to and from the Redmond Technology Station across the adjacent SR-520 and light rail trackway. The Pedestrian Bridge is owned by Grantee.

C. Grantor and Grantee are further parties to that certain Redmond Technology Station Pedestrian/Bicycle Bridge Operation and Maintenance Agreement (the "O&M Agreement") of even date herewith, the purpose of which is to establish clear roles and responsibilities for each Party for the ongoing maintenance, operations and repair of the Pedestrian Bridge and related appurtenances and other Grantee-owned and Grantor-owned infrastructure.

D. Grantor has agreed to grant certain easement rights to Grantee over the Property for the location and maintenance of the Pedestrian Bridge and associated appurtenances in accordance with the terms and conditions of this Agreement.

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E. As set forth in the Agreement, Grantor has agreed to grant these easement rights without cost to Grantee in furtherance of the benefits received by Grantor from the pedestrian and bicycle access provided by the Pedestrian Bridge.

AGREEMENT

THEREFORE, in consideration of mutual benefits to be derived and in consideration of the performance of the covenants, terms and conditions hereinafter set forth, Grantor hereby conveys the following easement to Grantee:

> A non-exclusive easement (the "Easement") across, along, in, upon, over, and under the Property, including all appurtenances attached thereto ("Grantor's Facilities"), for the purposes set forth herein, in the area legally described on **Exhibit B** and depicted on **Exhibit C** (the "Easement Area"), together with the right of ingress to and egress from the Property for the Grantee and its agents, employees, representatives, contractors, invitees, and licensees.

The Easement is granted in conjunction with, and subject to, the Agreement and the O&M Agreement and is conditioned upon the following terms, conditions and covenants:

1. Purposes. Grantee shall use the Easement for the purpose of providing a bridge for pedestrian and bicycle use by members of the general public across the Property to and from the Redmond Technology Station. Grantee shall have rights over and across the Easement Area for the purpose of constructing, installing, altering, improving, extending, accessing, inspecting, operating, maintaining, repairing, replacing, and removing the Pedestrian Bridge and all components appurtenant thereto, including without limitation the bridge/ramp deck, columns, footings, abutments, utilities, vaults, and conduit, and related improvements ("Grantee's Facilities"). In addition, Grantee shall be entitled to connect drainage facilities conveying stormwater from the Pedestrian Bridge to drainage systems owned or operated by Grantor on the drainage systems without charge to convey stormwater to public therwise provided in the Agreement and O&M Agreement, Grantee ny other purpose whatsoever.

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2. Use of Easement Area. The following conditions apply to Grantee's occupancy, use, and operations in the Easement Area:

a. Grantee shall be responsible for the maintenance, inspection and repair of the Pedestrian Bridge and all appurtenances thereto in the Easement Area on the Property, as further detailed in and limited by the O&M Agreement. Grantee will maintain the Pedestrian Bridge in a state of good condition and repair in accordance with generally accepted public infrastructure management. Grantee shall be responsible for and promptly repair any damage to the Property as a result of the Grantee's use of the Easement.

b. Grantee shall not construct or maintain any permanent or temporary structures upon or within the Easement Area other than the Pedestrian Bridge and related appurtenances as the same is depicted on Exhibit C, except as otherwise provided in the Agreement or the O&M Agreement.

c. Grantee shall not park or operate construction vehicles, trucks, or store materials or equipment on the Property in or adjacent to the Easement Area except as may be reasonably necessary for the construction, maintenance, repair, inspection, and replacement of the Pedestrian Bridge and related improvements referenced herein. Such activities shall be coordinated with the Grantor in accordance with the O&M Agreement.

d. Grantor's vehicular and pedestrian access/egress to and from the Property and Grantor's Facilities and operations shall be maintained at all times during use of the Easement Area by Grantee or its Representatives or invitees, unless approved otherwise in writing by Grantor.

e. Grantee shall conduct its activities on the Easement Area in a reasonably safe manner and shall be responsible (1) for injuries to persons and property using the Pedestrian Bridge and related improvements in the Easement Area to the same extent, but only to such extent, as Grantee is responsible for injuries to persons using sidewalks, bicycle pathways, and other similar facilities owned [illegible] and (2) for injuries to persons and property using the Pedestrian [illegible] related improvements where Grantee's failure to fulfill its

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maintenance responsibilities in the O&M Agreement results in a dangerous condition which Grantee has actual knowledge of, provided, that in the case of both (1) and (2), Grantee shall not be responsible for any endangerment of such persons or property as the result of the activities of Grantor.

f. Grantee shall be responsible for any damage done to the Property by the general public or Grantee or its employees, agents, representatives, contractors, licensees, or invitees acting within the scope of Grantee's invitation and shall promptly repair such damage at its sole cost, as further set forth in the O&M Agreement. Any repairs will be conducted at Grantor's direction and reasonable discretion, as further set forth in the O&M Agreement.

g. Grantee shall be responsible to clean up any spills, fuel or leaks arising out of its use of the Easement Area.

h. Grantee shall in no event dispose of hazardous materials on or under the ground surface of the Property.

3. Non-Exclusive. Grantor reserves the right to grant other non-exclusive easements, franchises and/or permits across the Property; provided, that such easements, franchises or permits shall not permit uses that unreasonably interfere with Grantee's authorized use of the Property under the Easement.

4. Indemnity. Grantee agrees to hold harmless, indemnify and defend Grantor from and against any and all claims, losses or liability, for injuries, sickness or death of persons, including employees of the Grantee, or damage to property, arising out of the exercise of Grantee's rights under this Easement or any willful misconduct or negligent act, error, or omission of Grantee, its officers, agents, contractors, subcontractors, licensees, or employees, in connection with the Grantee's activities authorized by this easement, provided, however, that:

a. Grantee's obligations to indemnify, defend and hold harmless shall not extend to injuries, sickness, death or damage caused by or resulting from the sole willful e negligence of Grantor; and

ons to indemnify, defend and hold harmless for injuries, sickness, caused by or resulting from the concurrent negligence or willful antee and Grantor, or of Grantee and a third party other than an

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officer, agent, contractor or employee of Grantee, shall apply only to the extent of the negligence or willful misconduct of Grantee (including an officer, agent, contractor or employee of the Grantee).

In addition to all other indemnities provided in this Easement, Grantee agrees to protect, defend, and indemnify and hold Grantor harmless for any suits, claims, damages, strict liabilities, and costs or liabilities associated with the presence, removal or remediation of any Hazardous Substance (including petroleum and gasoline products) that are released onto or from the Easement Area, or otherwise come to be located on the Property as a result of the Grantee's actions in using the Property, including the construction, reconstruction, alteration, maintenance, operation, repair, removal or relocation of Grantee's Facilities. Grantee shall have no liability for any Hazardous Substances released onto or from the Easement Area as the result of Grantor's retained use of the Property or any adjacent property of Grantor. "Hazardous Substances" for purposes of this section include, but are not limited to, those substances included within the definition of "hazardous wastes" or solid wastes in any federal, state or local law, statute, ordinance, regulation, order, or rule pertaining to health, industrial hygiene, environmental conditions or hazardous substances. "Costs" shall include, but not be limited to, all response or remediation costs, disposal fees, investigation costs, monitoring costs, civil or criminal penalties, attorneys' fees, and other litigation costs incurred in connection with such response or remediation.

The indemnification obligations provided in this Section shall survive termination of this Easement for any claim or liability arising out of an event or occurrence that took place prior to such termination.

5. Insurance.

Grantor acknowledged that Grantee insures its operations under its General Liability program. Liability associated with the operation and maintenance of the Bridge pursuant to this Agreement will also be covered by that program. Grantee shall also purchase or maintain property insurance insuring the full replacement value of the Bridge for fire and extended perils including earthquake coverage. Grantee shall cause its insurer to name or list Grantor as an additional insured under ogram for claims related to Grantee's operation and maintenance of vailable under Grantee's coverage. Grantee shall deliver to Grantor

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a certificate of insurance confirming that Grantee has the insurance required by this Section. Any notice of cancellation of such insurance received by Grantee shall be delivered promptly to Grantor. Grantor shall be solely responsible for obtaining any additional insurance deemed necessary or desirable by Grantor.

6. Representations. Grantee will exercise its rights under this Agreement in accordance with the requirements of all applicable statutes, orders, rules and regulations of any public authority having jurisdiction. Grantee expressly acknowledges that Grantor makes no guarantees, warranties or representations as to the safety or suitability of the Property for the uses authorized under this Agreement. Grantee acknowledges that Grantee is using the Property in an "as-is and where-is" condition, with all faults and defects, latent and otherwise, and shall assume the risks that adverse physical conditions may not have been revealed by its investigation.

7. Covenants Run with the Land. The terms and conditions of this Agreement shall run with the land and be binding upon and inure to the benefit of the parties hereto and their respective heirs, successors, assigns, and legal representatives.

8. Abandonment. The rights herein granted shall continue until such time as Grantee ceases to use the Easement Area for the purposes defined herein for a period of two years or more. In this event, the Easement shall terminate, Grantee shall remove Grantee's Facilities, and any improvements remaining, from the Easement Area, and leave the Easement Area in as good a condition as before the date of this Agreement.

9. Amendment. This Agreement may not be amended or modified except in writing signed by each of the parties hereto.

10. Mutual Benefit. This Easement is granted for the mutual benefit of both named parties. In the event that both the Grantee and Grantor of this easement concurrently declare the rights granted herein to be surplus to the original conveyance, Grantee shall terminate, relinquish by means of quit claim deed and without further consideration.

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11. Counterparts. This Agreement may be executed in counterparts, which, when taken together, shall constitute one Agreement. However, this Agreement shall not be effective unless and until all counterpart signatures have been obtained.

12. Governing Law. This Agreement shall be governed by the laws of the State of Washington without regard to the conflict of law provisions therein.

13. Venue. Venue for any action pertaining to this Agreement will be in King County Superior Court, King County, Washington.

14. Authorized Signature. Each party to this Agreement warrants and represents to the other parties that the individual signing this Agreement on behalf of such party has been duly authorized to execute this Agreement.

15. Survival. The obligations set forth in Section 4 shall survive termination of this Agreement.

Executed as of the date hereinabove set forth.

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GRANTOR

MICROSOFT CORPORATION

By: _____

Print Name: _____

Title: _____

The terms and conditions of this easement are hereby accepted and approved by the Grantee as of the date hereinabove set forth.

GRANTEE

CITY OF REDMOND

_____
Mayor Angela Birney

Attest: _____
Cheryl Xanthos
City Clerk

Approved as to Form for Grantee:

By: DocuSigned by: James E. Haney
85394CE968894B5...
James E. Haney
City Attorney

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City of Redmond
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(ACKNOWLEDGEMENT FOR GRANTOR)

STATE OF WASHINGTON)
) ss.
County of King)

On this 14 day of December, 2023, before me, the undersigned notary public in and for the State of Washington, duly commissioned and sworn, personally appeared Stephanie Longsworth to me known to be the GM of Microsoft Corporation, the corporation that executed the foregoing instrument, and acknowledged said instrument to be the free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that he/she was duly authorized to execute the same.

WITNESS my hand and official seal hereto the day and year in this Certificate first above written.

Notary Public
State of Washington
KAILEE AMANS
LICENSE # 21035692
MY COMMISSION EXPIRES
SEPTEMBER 2, 2025

Kailee Amans Notary Public in and for the State of Washington, residing at One Microsoft Way.
My appointment expires 9/2/25

(ACKNOWLEDGEMENT FOR GRANTEE)

STATE OF WASHINGTON)
) ss.
County of King)

On this 12 day of January, 2024, before me personally appeared ~~John Marchione~~ ANGELA BIRNEY, to me known to be the Mayor of the CITY OF REDMOND, the authority that executed the within and foregoing instrument, and acknowledged said instrument to be the free and voluntary act and deed of said authority, for the uses and purposes therein mentioned, and on oath stated that he/she was duly authorized to execute the same.

WITNESS my hand and official seal hereto the day and year in this Certificate first above written.

CHERYL D XANTHOS
NOTARY PUBLIC
STATE OF WASHINGTON
COMMISSION EXPIRES
FEBRUARY 9, 2026

Cheryl D Xanthos Notary Public in and for the State of Washington, residing at Redmond.
My appointment expires 2/9/26

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EXHIBIT A
LEGAL DESCRIPTION OF GRANTOR'S PROPERTY

LOT 100, AMENDMENT TO CITY OF REDMOND BINDING SITE PLAN NO. L040040, MICROSOFT MAIN CAMPUS BINDING SITE PLAN, AS RECORDED UNDER RECORDING NUMBER 20190402000165, RECORDS OF KING COUNTY, WASHINGTON.

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EXHIBIT B
LEGAL DESCRIPTION OF RIGHT OF WAY EASEMENT AREA

THAT PORTION OF LOT 100, AMENDMENT TO CITY OF REDMOND BINDING SITE PLAN NO. L040040, MICROSOFT MAIN CAMPUS BINDING SITE PLAN, AS RECORDED UNDER RECORDING NUMBER 20190402000165, RECORDS OF KING COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER THEREOF, SAID CORNER ALSO BEING A POINT ON THE EASTERLY MARGIN OF 156TH AVENUE NE; THENCE ALONG SAID MARGIN SOUTH 1°09'29" WEST 178.06 FEET TO THE TRUE POINT OF BEGINNING; THENCE CONTINUING ALONG SAID MARGIN SOUTH 1°09'29" WEST 54.02 FEET; THENCE DEPARTING SAID MARGIN SOUTH 46°36'40" EAST 52.05 FEET; THENCE NORTH 1°23'20" EAST A DISTANCE OF 53.83 FEET; THENCE NORTH 46°36'40" WEST 52.34 FEET TO SAID MARGIN AND THE TRUE POINT OF BEGINNING.

SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON.

(CONTAINS 2,088± SQUARE FEET)

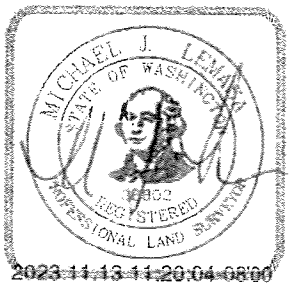

Exhibit E
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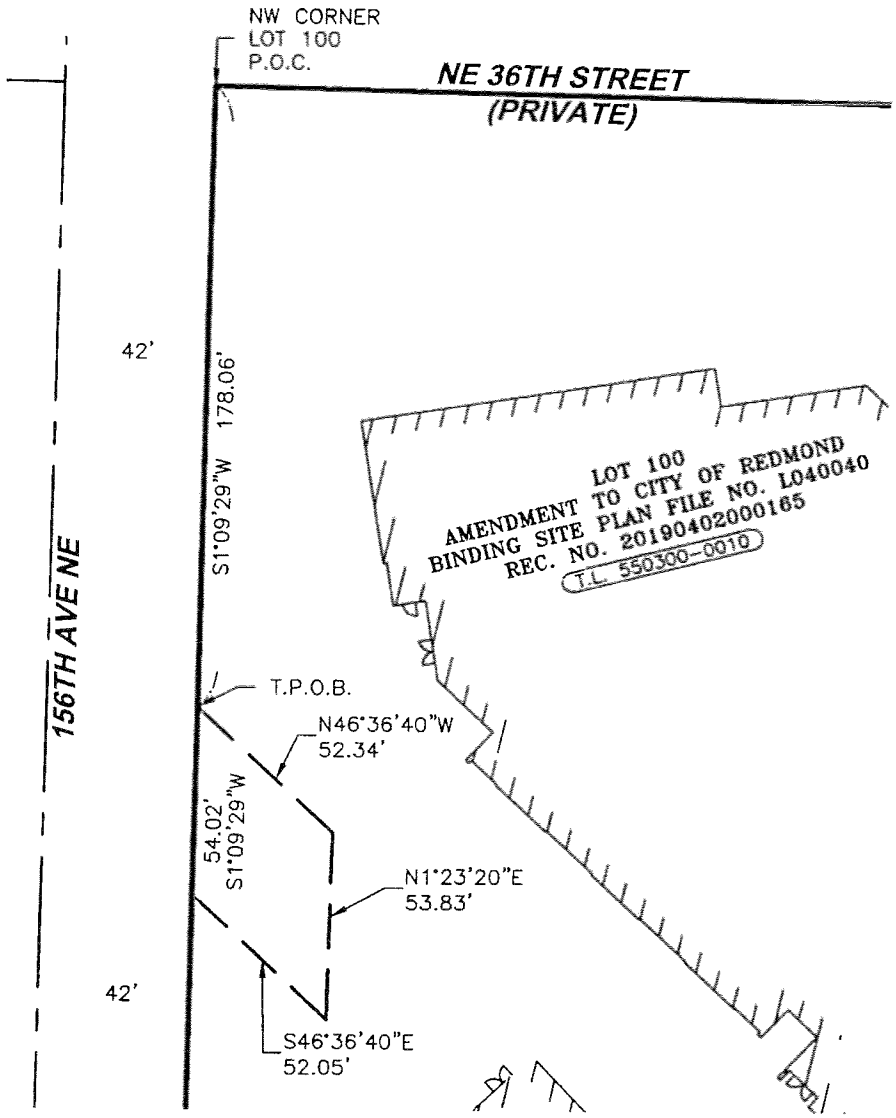
EXHIBIT C

RIGHT-OF-WAY EASEMENT



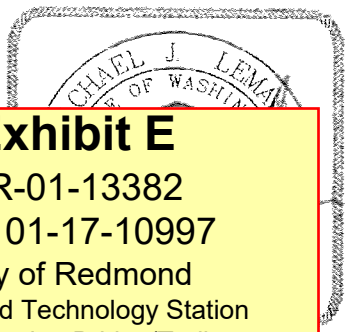


Exhibit E
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PACE
An Engineering Services Company
3501 Colby Ave Suite 101
Everett, WA 98201
p. 425.486.6533
Civil | Structural | Planning | Survey
www. paceengrs.com

SCALE: 1" = 50' DRS 2023-06-26 PROJ. NO.: 22566.10

Instrument Number: 20240202000008 Document:EAS Rec: $311.50 Page-1 of 9
Record Date:2/2/2024 8:02 AM
Electronically Recorded King County, WA EXCISE TAX NOT REQUIRED BY PAUL JUNG, DEPUTY

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Return Address:
City of Redmond
Finance-Real Property, MS: 3NFN
P.O. Box 97010
Redmond, WA 98073-9710

Please print or type information **WASHINGTON STATE RECORDER'S Cover Sheet** (RCW 65.04)

Document Title(s) (or transactions contained therein): (all areas applicable to your document **must** be filled in)

PUBLIC PEDESTRIAN AND BICYCLE ACCESS EASEMENT

Reference Number(s) of Documents assigned or released:

☐ Additional reference #'s on page____of document

Grantor(s) Exactly as name(s) appear on document

MICROSOFT CORPORATION

☐ Additional reference #'s on page____of document

Grantee(s) Exactly as name(s) appear on document

CITY OF REDMOND

☐ Additional reference #'s on page____of document

Legal description (abbreviated: i.e., lot, block, plat or section, township, range)

LOT 100, AMENDMENT TO CITY OF REDMOND BINDING SITE PLAN NO. L040040, MICROSOFT MAIN CAMPUS BINDING SITE PLAN, AS RECORDED UNDER RECORDING NUMBER 20190402000165, RECORDS OF KING COUNTY, WASHINGTON.

☒ Additional reference #'s on page__6__of document

Assessor's Property Tax Parcel/Account Number __**550300-0010**

☐ ot yet assigned

l rely on the information provided on this form. The staff will not read the document
ompleteness of the indexing information provided herein.

NO CONSIDERATION PAID

Exhibit E
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PUBLIC PEDESTRIAN AND BICYCLE ACCESS EASEMENT

THIS PUBLIC PEDESTRIAN AND BICYCLE ACCESS EASEMENT (hereinafter referred to as "Easement") is hereby executed by and between **Microsoft Corporation** ("Grantor") and the **City of Redmond**, Washington, a municipal corporation organized under Title 35A RCW ("Grantee").

RECITALS

WHEREAS, the Grantor has developed real properties ("Properties"), legally described in **Exhibit A**, attached hereto and incorporated herein by reference, and donates and grants to the Grantee an easement for the purpose of providing public pedestrian and bicycle access over and across the Properties in an area legally described in **Exhibit B** attached, and depicted in **Exhibit C** attached hereto and incorporated herein by reference ("Easement"); and

WHEREAS, the Grantor desires to grant to the Grantee this Easement for the benefit of the general public and to establish maintenance and other obligations pertaining to the Easement;

NOW THEREFORE, in consideration of the foregoing and the covenants set forth herein, and in consideration of the mutual benefits accruing, the receipt and sufficiency of which are hereby acknowledged, the Grantor and Grantee agree as follows:

1. Grant of Easement. The Grantor does hereby grant to the Grantee, for the use and benefit of the general public a non-exclusive public pedestrian and bicycle access easement over and across the properties described in **Exhibit A** and for permitting maintenance of said public pedestrian and bicycle access together with the right of ingress and egress to, from and across said properties for the foregoing purposes, in an area legally described in **Exhibit B** and depicted in **Exhibit C**, over, across, along, in, and upon the Properties.

2. Use of Easement. The Grantor retains the right to use the Easement for any purpose not inconsistent or interfering with the easement rights granted to the Grantee. Use of the Easement by Grantor does not include the right to plant or maintain landscaping in or abutting the Easement not in compliance with the Grantee's municipal code or which may have root patterns that could cause damage to or interfere with pedestrian and bicycle improvements or to erect or maintain any structures, fences, gates, or any other physical feature which will act as a barrier to pedestrian and bicycle access except for temporary barriers necessary when conducting major repairs.

3. Covenant Running with the Land. The Easement is intended as a covenant running with the land and shall inure to the benefit of the general public and be recorded with the King County Recorder's Office.

4. Maintenance of the Easement. Maintenance and repair of the Easement shall be the responsibility of the Grantor or Grantee as specified in the Pedestrian Bridge O&M Agreement.

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tor agrees on its behalf and that of any successor or assign to protect,
l hold harmless the Grantee, its officers, employees, and agents, from and

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against any and all actions, claims, costs, damages, demands, expenses, fines, injuries, judgments, liabilities, losses, penalties, or suits including, without limitation, attorneys' fees and costs (collectively, "claims") of any kind allegedly arising directly or indirectly from the Grantor's performance of the obligations contained in Sections 2 and 4 of this Easement, provided, however, where such actions, claims, costs, damages, or suits result from the concurrent negligence of the Parties, the Grantor's indemnity provisions provided herein shall be valid and enforceable only to the extent of the Grantor's own negligence. The provisions of this Paragraph shall apply to claims by the Grantor's own employees and the employees of the Grantor's agents, representatives, contractors, and subcontractors to which the Grantor might otherwise be immune under Title 51 RCW. This waiver of immunity under Title 51 RCW has been mutually negotiated by the parties hereto, and the Grantor acknowledges that the Grantee would not enter into this Easement agreement without the Grantor's waiver thereof.

Grantee agrees to hold harmless, indemnify and defend the Grantor from and against any and all claims, losses or liability, for injuries, sickness or death of persons, including employees of the Grantee, or damage to property, arising out of the exercise of Grantee's rights and obligations under this Easement or any willful misconduct or negligent act, error, or omission of the Grantee, its officers, agents, contractors, subcontractors, licensees, or employees, in connection with the Grantee's activities authorized by this easement, provided, however, that:

a. The Grantee's obligations to indemnify, defend and hold harmless shall not extend to injuries, sickness, death or damage caused by or resulting from the sole willful misconduct or sole negligence of the Grantor; and

b. The Grantee's obligations to indemnify, defend and hold harmless for injuries, sickness, death or damage caused by or resulting from the concurrent negligence or willful misconduct of the Grantee and the Grantor, or of the Grantee and a third party other than an officer, agent, contractor or employee of the Grantee, shall apply only to the extent of the negligence or willful misconduct of the Grantee (including an officer, agent, contractor or employee of the Grantee).

6. Removal or Relocation of Improvements. Grantor shall not remove or relocateany pedestrian or bicycle improvements in the Easement Area unless Grantor provides alternative facilities or alters the facilities in a manner that Grantee agrees provide equivalent functionality to the original improvements. .Grantor shall notify Grantee if Grantor plans to redevelop the Property. Promptly after such notice, Grantor will consult with Grantee, and Grantor shall provide a relocated Easement that will continue to provide pedestrian and bicycle access but will also not interfere with the Grantor's plans for the redeveloped Property. This relocation plan may be incorporated as part of the land use entitlement process for the redevelopment of the Property. In addition, if the pedestrian and bicycle pathway or Pedestrian Bridge is permanently closed or deconstructed, nd Grantee shall relinquish its rights as provided in Section 10

n and shall cause its agents to maintain commercial general
ss, liability or damage on, about or relating to Grantor's activities
ment with limits of not less than $3,000,000 combined single
aggregate, and containing a deductible or self-insured retention of

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not more than $10,000. The insurance shall name the Grantee as an additional insured. The insurance shall (a) be written by a company having a financial rating of at least "VIII" and a general policy holder's rating of "A," as rated in the most current Best's Key Rating Guide Property - Casualty, (b) have attached thereto an endorsement that such policy shall not be cancelled or materially changed without thirty (30) days prior written notice to the other party, (c) provide for severability of interests, and (d) provide that any act or omission of one of the insureds or additional insureds which would void or otherwise reduce coverage shall not reduce or void the coverage as to the additional insured. The Grantor shall deliver a certificate of insurance for the insurance policy required under this paragraph to the Grantee within 30 days following execution of this Easement. In addition, the Grantor shall maintain Workers Compensation and Employers' Liability insurance as required by Washington State. Grantor may at its option, meet the above insurance requirements via commercial insurance, self-insurance, alternative risk financing solutions, or a combination of these options, so long as the option chosen provides the same coverage stated above, and so long as Grantee furnishes proof of such coverage within 30 days following execution of this Easement.

8. Recovery of Litigation Costs. If either party brings suit against the other in order to enforce the provisions of this Easement or to redress any breach thereof, the prevailing party in such action shall be entitled to recover its reasonable costs and reasonable attorney's fees incurred in such action from the non-prevailing party, in addition to any other relief to which the prevailing party may be entitled.

9. Notices. Notices under this Easement shall be provided to the following:

City of Redmond **Finance - Real Property, MS: 3NFN** **P.O. Box 97010** **Redmond, WA 98073-9710**	**Microsoft Corporation** **Attn: VP, Global Workplace Services** **One Microsoft Way** **Redmond, WA 98052** **Microsoft Property Rights:** **gws-property-rights@microsoft.com**

10. Mutual Benefit. This Easement is granted for the mutual benefit of both named parties. In the event that both the Grantee and Grantor of this easement concurrently declare the rights granted herein to be surplus to the original conveyance, Grantee shall terminate, relinquish and release its rights by way of quit claim deed and without further consideration.

11. Miscellaneous. This Easement and its accompanying O&M Agreement constitute the entire agreement between the parties concerning its subject matter and supersedes any previous agreements or negotiations. This Easement may only be amended in writing, signed by both parties. Any disputes regarding this Easement shall be governed by the laws of the State of Washington and venue shall be properly in King County Superior Court.

s have executed this easement as of the last date set forth below.

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GRANTOR:

Microsoft Corporation

By: STEPHANIE LONGSTRETH

Its: GM, MICROSOFT CWS

ACKNOWLEDGEMENT:

City of Redmond

DocuSigned by:
Angela Birney
F678C3A6CA90451...

By: Angela Birney Mayor

Date: 1/5/2024

STATE OF WASHINGTON }
} *SS.*
COUNTY OF KING }

I certify that I know or have satisfactory evidence that Stephanie Longstreth is the person who appeared before me, and said person acknowledged that they signed this instrument, on oath stated that they are authorized to execute the instrument and acknowledged it as the GM of **Microsoft Corporation** to be the free and voluntary act of such party for the uses and purposes mentioned in this instrument.

Dated: 12/19/23

Signature: Kailee Amans

Notary Public in and for the State of Washington

Notary (print name) Kailee Amans

Residing at: One Microsoft Way

My appointment expires: 9/9/25

Notary Public
State of Washington
KAILEE AMANS
LICENSE # 21035692
MY COMMISSION EXPIRES

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EXHIBIT A
LEGAL DESCRIPTION OF GRANTOR'S PROPERTY

LOT 100, AMENDMENT TO CITY OF REDMOND BINDING SITE PLAN NO. L040040, MICROSOFT MAIN CAMPUS BINDING SITE PLAN, AS RECORDED UNDER RECORDING NUMBER 20190402000165, RECORDS OF KING COUNTY, WASHINGTON.

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EXHIBIT B
LEGAL DESCRIPTION OF PUBLIC ACCESS EASEMENT AREA

THAT PORTION OF LOT 100, AMENDMENT TO CITY OF REDMOND BINDING SITE PLAN NO. L040040, MICROSOFT MAIN CAMPUS BINDING SITE PLAN, AS RECORDED UNDER RECORDING NUMBER 20190402000165, RECORDS OF KING COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER THEREOF, SAID CORNER ALSO BEING A POINT ON THE EASTERLY MARGIN OF 156TH AVENUE NE; THENCE ALONG SAID MARGIN SOUTH 1°09'29" WEST 70.01 FEET TO THE TRUE POINT OF BEGINNING; THENCE ALONG SAID MARGIN SOUTH 1°09'29" WEST 108.05 FEET; THENCE DEPARTING SAID MARGIN SOUTH 46°36'40" EAST 52.34 FEET; THENCE SOUTH 1°23'20" WEST 53.83 FEET; THENCE NORTH 46°36'40" WEST 52.05 FEET TO SAID MARGIN; THENCE ALONG SAID MARGIN SOUTH 1°09'29" WEST 157.88 FEET; THENCE DEPARTING SAID MARGIN SOUTH 88°52'18" EAST 25.00 FEET; THENCE NORTH 1°09'29" EAST 43.92 FEET; THENCE NORTH 46°39'53" EAST 109.41 FEET; THENCE SOUTH 44°47'33" EAST 128.71 FEET; THENCE SOUTH 43°34'19" WEST 70.26 FEET; THENCE SOUTH 46°30'00" EAST 196.44 FEET; THENCE NORTH 43°30'00" EAST 35.00 FEET; THENCE SOUTH 46°30'00" EAST 50.00 FEET; THENCE NORTH 43°30'00" EAST 60.00 FEET; THENCE NORTH 46°30'00" WEST 220.60 FEET; THENCE NORTH 43°19'36" EAST 330.49 FEET; THENCE NORTH 46°30'00" WEST 12.00 FEET; THENCE NORTH 43°30'00" EAST 94.26 FEET; THENCE SOUTH 88°29'20" WEST 14.14 FEET; THENCE SOUTH 43°30'00" WEST 98.40 FEET; THENCE SOUTH 89°13'25" WEST 31.25 FEET; THENCE NORTH 0°46'35" WEST 49.65 FEET; THENCE NORTH 88°50'23" WEST 25.01 FEET; THENCE SOUTH 0°46'35" EAST 104.84 FEET; THENCE SOUTH 43°25'11" WEST 237.92 FEET; THENCE NORTH 44°47'33" WEST 76.26 FEET; THENCE NORTH 43°31'35" EAST 10.02 FEET; THENCE NORTH 46°36'40" WEST 175.43 FEET; THENCE NORTH 1°10'20" EAST 80.75 FEET; THENCE SOUTH 88°49'40" EAST 20.00 FEET; THENCE NORTH 1°10'20" EAST 31.79 FEET TO A POINT HEREINAFTER REFERRED TO AS POINT "A"; THENCE NORTH 88°50'23" WEST 32.02 FEET; THENCE SOUTH 50°07'34" WEST 30.48 FEET TO SAID EASTERLY MARGIN AND THE TRUE POINT OF BEGINNING;

TOGETHER WITH A 10.00-FOOT-WIDE STRIP OF LAND LYING SOUTHERLY OF THE FOLLOWING DESCRIBED LINE:

COMMENCING AT THE AFOREMENTIONED POINT "A"; THENCE SOUTH 88°50'23" EAST 357.47 FEET TO THE BEGINNING OF A NON-TANGENT CURVE TO THE RIGHT HAVING A RADIUS OF 23.00 FEET AND TO WHICH POINT A RADIAL LINE BEARS NORTH 61°40'36" WEST; THENCE NORTHEASTERLY 25.22 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 62°50'14"; THENCE SOUTH 88°50'23" EAST 25.00 FEET; THENCE NORTH 88°29'20" EAST 35.69 FEET TO THE TERMINUS OF SAID LINE DESCRIPTION.

SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON.

(CONTAINS 59,145± SQUARE FEET)

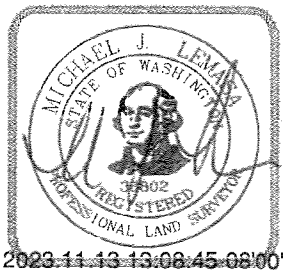

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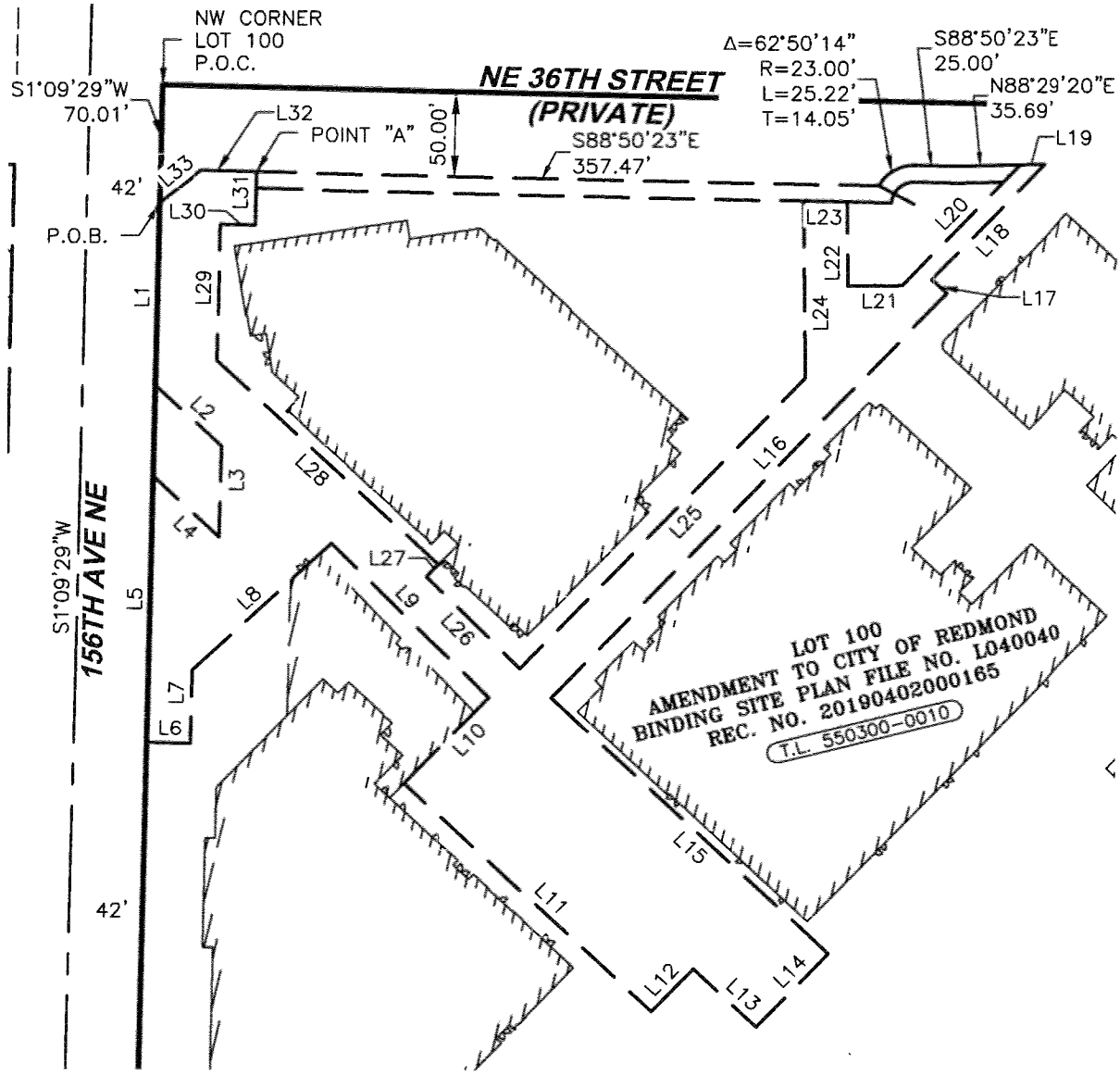
EXHIBIT C

PUBLIC ACCESS EASEMENT



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PACE
An Engineering Services Company

3501 Colby Ave Suite 101
Everett, WA 98201
p. 425.486.6533
Civil | Structural | Planning | Survey
www. paceengrs.com

N

SCALE: 1" = 100' DRS PG. 1OF2 2023-06-27 PROJ. NO.: 22566.10

DocuSign Envelope ID: AE750A07-C28F-4AF3-9062-659A76C86A66

EXHIBIT C1

PUBLIC ACCESS EASEMENT

LINE TABLE		
LINE #	BEARING	LENGTH
L1	N1°09'29"E	108.05'
L2	N46°36'40"W	52.34'
L3	N1°23'20"E	53.83'
L4	S46°36'40"E	52.05'
L5	N1°09'30"E	157.88'
L6	S88°52'18"E	25.00'
L7	N1°09'29"E	43.92'
L8	N46°39'53"E	109.41'
L9	S44°47'33"E	128.71'
L10	S43°34'19"W	70.26'
L11	S46°30'00"E	196.44'
L12	N43°30'00"E	35.00'
L13	S46°30'00"E	50.00'
L14	N43°30'00"E	60.00'
L15	N46°30'00"W	220.60'
L16	N43°19'36"E	330.49'
L17	N46°30'00"W	12.00'
L18	N43°30'00"E	94.26'
L19	S88°29'20"W	14.14'
L20	S43°30'00"W	98.40'
L21	S89°13'25"W	31.25'
L22	N0°46'35"W	49.65'

LINE TABLE		
LINE #	BEARING	LENGTH
L23	N88°50'23"W	25.01'
L24	S0°46'35"E	104.84'
L25	S43°25'11"W	237.92'
L26	N44°47'33"W	76.26'
L27	N43°31'35"E	10.02'
L28	N46°36'40"W	175.43'
L29	N1°10'20"E	80.75'
L30	S88°49'40"E	20.00'
L31	N1°10'20"E	31.79'
L32	S88°50'23"E	32.02'
L33	N50°07'34"E	30.48'

MICHAEL J. LEMASA
STATE OF WASHINGTON

3501 Colby Ave Suite 101
Everett, WA 98201
p. 425.486.6533

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www. paceengrs.com

ngineering Services Company

PG. 2 OF 2 2023-06-27 PROJ. NO.: 22566.10

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ENT

Not part of Lease

Lease Premises

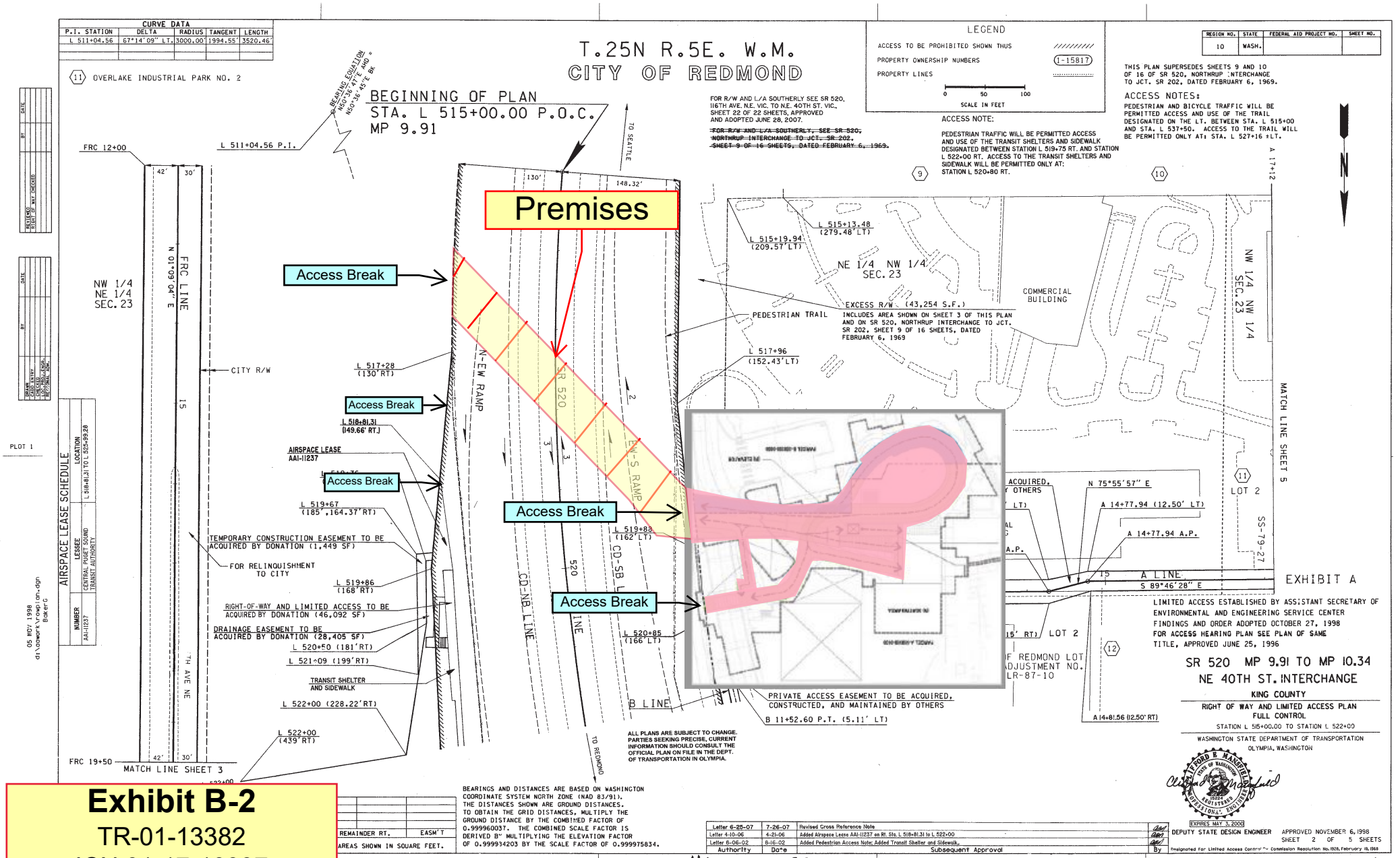


Exhibit B-2

TR-01-13382

ICN 01-17-10997

City of Redmond

Redmond Technology Station

Pedestrian Bridge/Trail

T.25N R.5E. W.M.
CITY OF REDMOND

CURVE DATA				
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH
L 511+04.56	67°14'09" LT.	3000.00'	1994.55'	3520.46'

(11) OVERLAKE INDUSTRIAL PARK NO. 2

BEARING EQUATION
N50°36'47"E AND =
N50°36'45"E BK

L 511+04.56 P.I.

BEGINNING OF PLAN
STA. L 515+00.00 P.O.C.
MP 9.91

TO SEATTLE

FRC 12+00

42' 30'

NW 1/4 NE 1/4 SEC. 23

FRC LINE
N 01°09'04" E

15

156TH AVE NE

130' 148.32'

N-EW RAMP

SR 520 3 3 2

EW-S RAMP

CD-NB LINE

CD-SB LINE

520 L LINE

B LINE

TO REDMOND

ACCESS NOTES:

PEDESTRIAN AND BICYCLE TRAFFIC WILL BE PERMITTED ACCESS AND USE OF THE TRAIL DESIGNATED ON THE LT. BETWEEN STA. L 515+00 AND STA. L 537+50. ACCESS TO THE TRAIL WILL BE PERMITTED ONLY AT: STA. L 527+16± LT. AND STA. L 520+06 LT.

PEDESTRIAN TRAFFIC WILL BE PERMITTED ACCESS AND USE OF THE TRANSIT PLATFORM AND RAMP DESIGNATED BETWEEN STATION L 519+87.10 RT. TO N 7+18 LT.

PEDESTRIANS, BICYCLES AND CITY OF REDMOND MAINTENANCE PERMITTED ACCESS TO, AND USE OF, THE LEASE AREA (TRAIL OVERPASS) AT, AND BETWEEN, STATIONS L 516+18 RT. AND L 519+18 LT. PER LEASE TR-01-13382.

CITY OF REDMOND MAINTENANCE PERSONNEL WILL BE PERMITTED ACCESS AND WILL BE ALLOWED TO ENTER/LEAVE THE RIGHT OF WAY AT STA L 517+95 RT. AND STA L 518+86 RT. GATES MUST REMAIN LOCKED WHEN NOT IN USE.

ACCESS NOTES FOR LIGHT RAIL:

LIGHT RAIL PERSONNEL AND PEDESTRIANS WILL BE ALLOWED TO ENTER/LEAVE THE LIGHT RAIL STATION AT THE FOLLOWING LOCATIONS: L 519+87.10 (157.30' RT.) AND L 521+12.25 (165.50' RT.)

NO ACCESS WILL BE ALLOWED TO THE TRAVELED HIGHWAY LANES OR RAMPS.

ICN 1-17-10997
TRAIL OVERPASS
TR-01-13382

L 517+28
(130' RT)

SOUND TRANSIT
TRACK CENTERLINE

L 518+81.31
(149.66' RT.)

FOR RELINQUISHMENT TO CITY

AIRSPACE LEASE
AAI-11237

~~L 519+76~~
~~(174',166.07' RT)~~

L 519+67
(185',164.37' RT)

CITY R/W

TEMPORARY CONSTRUCTION EASEMENT TO BE ACQUIRED BY DONATION (1,449 SF)

~~L 519+86~~
~~(168' RT)~~

SURPLUS PROPERTY AREA
ICN 01-17-17309
(9,636 S.F.)

RIGHT-OF-WAY AND LIMITED ACCESS TO BE ACQUIRED BY DONATION (46,092 SF)

~~DRAINAGE EASEMENT TO BE ACQUIRED BY DONATION (28,405 SF)~~

~~L 520+50 (181' RT)~~

L 521+09 (199'RT)

TRANSIT SHELTER AND SIDEWALK

~~0 (228.22'RT)~~

L 519+13.38
(154.85' RT.)

L 519+87.27
(150.35' RT.)

L 519+87.61
(158.22' RT.)

L 520+38.68
(157.36' RT.)

L 521+12.50
(160.17' RT.)

L 521+12.19
(167.00' RT.)

L 521+65.58
(170.23' RT.)

L 519+88
(162' LT)

L 520+85
(166' LT)

FOR R/W AND L/A SOUTHERLY SEE SR 520, 116TH AVE. N.E. VIC. TO N.E. 40TH ST. VIC., SHEET 22 OF 22 SHEETS, APPROVED AND ADOPTED JUNE 28, 2007

~~FOR R/W AND L/A SOUTHERLY, SEE SR 520, NORTHRUP INTERCHANGE TO JCT. SR 202, SHEET 9 OF 16 SHEETS, DATED FEBRUARY 6, 1969.~~

THIS PLAN SUPERSEDES SHEETS 9 AND 10 OF 16 OF SR 520, NORTHRUP INTERCHANGE TO JCT. SR 202, DATED FEBRUARY 6, 1969.

(9) (10)

A 17+12

L 515+13.48
(279.48'LT)

L 515+19.94
(209.57'LT)

NE 1/4 NW 1/4 SEC. 23

EXCESS R/W (43,254 S.F.)
INCLUDES AREA SHOWN ON SHEET 3 OF THIS PLAN AND ON SR 520, NORTHRUP INTERCHANGE TO JCT. SR 202, SHEET 9 OF 16 SHEETS, DATED FEBRUARY 6, 1969.
CONVEYED TO PRIVATE OWNERSHIP REC. NO. 20070308002340

PEDESTRIAN TRAIL

FOR RELINQUISHMENT TO CITY

L 517+96
(152.43'LT)

COMMERCIAL BUILDING

NW 1/4 NW 1/4 SEC. 23

MATCH LINE SHEET 5

(11)

LOT 2

SS-79-27

PRIVATE ACCESS EASEMENT TO BE ACQUIRED, CONSTRUCTED, AND MAINTAINED BY OTHERS

N 75°55'57" E

L 520+02.19 (173.79'LT) =
B 10+00.00 P.O.T.

A 14+27.33 (15' LT)

A 14+77.94 (12.50' LT)

A 10+17.85
(15' LT)

COMMERCIAL BUILDING

A 14+27.33 A.P.

A 14+77.94 A.P.

L 520+52.03 (175.98'LT) =
A 10+00 P.O.T. = B 10+46.99

15

A LINE

S 89°46'17" E

S 89°46'28" E

N 01°46'38" W

N 11°59'18" W

A 10+30.73 (15' RT)

R = 15'

B 10+72.24 (14.16' LT)

B 10+84.49 P.C. (11.91' LT)

B 10+88.54 (11' LT)

L 520+83.93 (176.99'LT) =
B 10+77.36 A.P.
R = 270' L=68.64'

PRIVATE ACCESS EASEMENT TO BE ACQUIRED, CONSTRUCTED, AND MAINTAINED BY OTHERS

B 11+52.60 P.T. (5.11' LT)

A 14+27.19 (15' RT)

LOT 2

COMMERCIAL BUILDING

CITY OF REDMOND LOT LINE ADJUSTMENT NO. LLR-87-10

(12)

A 14+27.19 (12' RT)

LEGEND

ACCESS TO BE PROHIBITED SHOWN THUS ////////

PROPERTY OWNERSHIP NUMBERS (1-15817)

PROPERTY LINES .....

0 50 100
SCALE IN FEET

ALL PLANS ARE SUBJECT TO CHANGE. OWNERSHIP SHOULD BE VERIFIED. PROPOSED PROPERTY RIGHTS SHOWN MAY NOT HAVE BEEN ACQUIRED. ENCUMBRANCES MAY OR MAY NOT BE SHOWN. PARTIES SEEKING CURRENT PLAN INFORMATION SHOULD CONSULT THE DEPARTMENT OF TRANSPORTATION HEADQUARTERS RIGHT OF WAY PLANS OFFICE FOR THE OFFICIAL PLAN ON FILE. FOR ENCUMBRANCE INFORMATION CONSULT THE DEPARTMENT OF TRANSPORTATION HEADQUARTERS REAL ESTATE SERVICES OFFICE.

N

EXHIBIT A

LIMITED ACCESS ESTABLISHED BY ASSISTANT SECRETARY OF ENVIRONMENTAL AND ENGINEERING SERVICE CENTER FINDINGS AND ORDER ADOPTED
FOR ACCESS HEARING PLAN SEE PLAN OF SAME TITLE, APPROVED JUNE 25, 1996

SR 520 MP 9.91 TO MP 10.34
NE 40TH ST. INTERCHANGE

KING COUNTY

RIGHT OF WAY AND LIMITED ACCESS PLAN
FULL CONTROL

STATION L 515+00.00 TO STATION L 522+00

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
OLYMPIA, WASHINGTON

CLIFFORD E MANSFIELD — STATE OF WASHINGTON — 15224 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES MAY 3, 2000

DEPUTY STATE DESIGN ENGINEER APPROVED: NOVEMBER 6, 1998

SHEET 2 OF 5 SHEETS

Designated For Limited Access Control By Commission Resolution No. 1928, February 19, 1968

Exhibit B-2
TR-01-13382
ICN 01-17-10997
City of Redmond
Redmond Technology Station Pedestrian Bridge/ Trail
Page 2 of 2

PARCEL NO.	NAME	TOTAL AREA	R/W	LT. REMAINDER RT.	EASM'T

OWNERSHIPS ALL AREAS SHOWN IN SQUARE FEET.

BEARINGS AND DISTANCES ARE BASED ON WASHINGTON COORDINATE SYSTEM NORTH ZONE (NAD 83/91) THE DISTANCES SHOWN ARE GROUND DISTANCES. TO OBTAIN THE GRID DISTANCES, MULTIPLY THE GROUND DISTANCE BY THE COMBINED FACTOR OF 0.999960037. THE COMBINED SCALE FACTOR IS DERIVED BY MULTIPLYING THE ELEVATION FACTOR OF 0.999984203 BY THE SCALE FACTOR OF 0.999975834.

Reference	Approval	Revision Description	By
Letter 4-30-24	12-19-24	Added: Pedestrian Overpass ICN 1-17-10997, Access Notes: Lease TR-01-13382, City of Redmond on Rt. Sta. L 517+95 & Sta. L 518+86, Pedestrian and Bicycle Traffic Sta. L 520+06 Lt.	MDE
Letter 9-17-23	4-4-24	Added Sound Transit Track Centerlines on Rt. Sta. L 515+00 to 522+00; Added Surplus Property Area ICN 01-17-17309 on Rt. Sta. L 519+13.38 to 522+00; Revised Right of Way on Rt. Sta. L 519+13.38 to 522+00; Added Ownership Verification Note; Added Access Notes for Light Rail; Revised Access Notes	MRW
Letter 6-25-07	7-26-07	Revised Cross Reference Note	ABN
Letter 4-10-06	4-21-06	Added Airspace Lease AAI-11237 on Rt. Sta. L 518+81.31 to L 522+00	ABN
Letter 8-6-02	8-16-02	Added Pedestrian Access Note; Added Transit Center and Sidewalk	ABN

12/18/2024 6:52:19 PM
pw:\\projectstore.wsdot.wa.gov:WSDOT\Documents_HQ\Right of Way_State Routes\520\9.91_Ne40ThStIC\HQ_RW_CurrentCAD\520-58_RW_PS_002.dgn

REDMOND TECHNOLOGY STATION
PEDESTRIAN BRIDGE

CityofRedmond
WASHINGTON

SUPERSTRUCTURE PACKAGE
ISSUED FOR CONSTRUCTION
11/04/19
AS-BUILT
11/07/23

PREPARED BY:

Kiewit

GENERAL NOTE:

FOR CONVERSION OF POINTS/COORDINATES IN THIS DRAWING PACKAGE USING THE EAST LINK PROJECT DATUM TO THE CITY OF REDMOND GIS DATUM, PLEASE FOLLOW THESE INSTRUCTIONS:

HORIZONTAL DATUM:
- TO CONVERT FROM THE EAST LINK (ST) DATUM TO CITY OF REDMOND DATUM, FIRST SUBTRACT 328,083.333333 FROM BOTH THE NORTHING AND EASTING, THEN MULTIPLY THESE COORDINATES AND LENGTHS BY THE COMBINED SCALE FACTOR OF 0.999976415.

VERTICAL DATUM:
- ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AS DERIVED FROM BENCHMARKS FROM THE CITY OF REDMOND.

Condition of Approval:
All items clouded and marked "HOLD" shall be submitted as a Notice of Design Change (NDC) to the City for approval.

APPROVED FOR CONSTRUCTION

Gary Schimek — 11/25/19

Gary Schimek, PE
Acting City Engineer, City of Redmond

Date

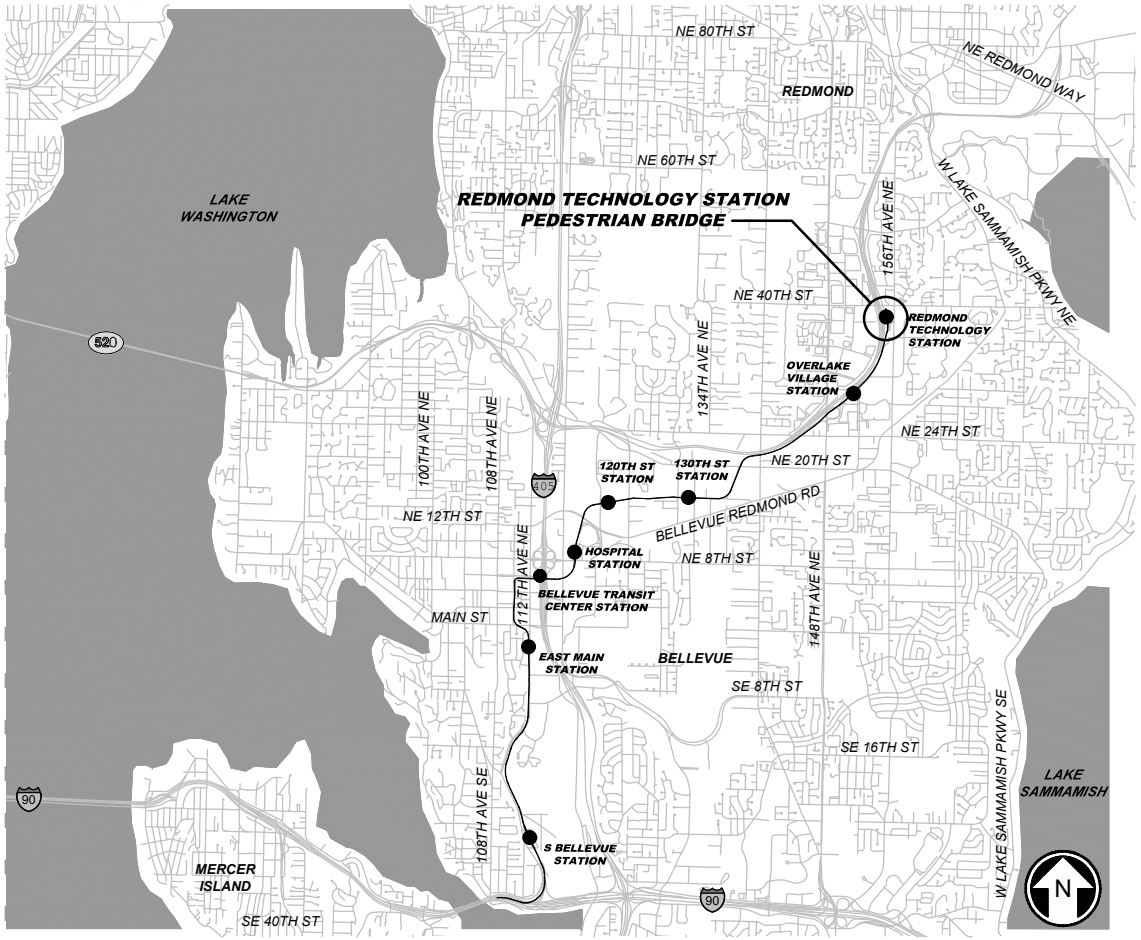
DESIGN PACKAGE DP022

BOOK 1 OF 1

RECORD DRAWING #23-2152

REDMOND TECHNOLOGY STATION
PEDESTRIAN BRIDGE

SUPERSTRUCTURE PACKAGE
ISSUED FOR CONSTRUCTION
11/04/19



CONTRACT LOCATION MAP

CityofRedmond
WASHINGTON

PREPARED BY:
KIEWIT INFRASTRUCTURE WEST CO.

SUBMITTED BY:_____ DATE:_____
NAME: GEOFF OWEN
TITLE: PROJECT MANAGER

REVIEWED BY:_____ DATE:_____
NAME: TRAVIS KRAUPA, P.E.
TITLE: ENGINEERING LEAD

DRAWING No.:	
B27-SZT101	
LOCATION ID:	
B27	
SHEET No.:	REV:
1a	0

RECORD DRAWING #23-2153

11/19/19 | 2:37 PM | DIETRICH.HENDERSON
C:\PROJECTWISE\KIEWISED\00259100\01A-B27-SZT101.DWG

INDEX OF DRAWINGS

SHT. No.	DWG No.	REV.	TITLE	PKG.
1	B27-SZT100	0	COVER SHEET	DP022
1a	B27-SZT101	0	LOCATION MAP	DP022
2	B27-SZI100	24	INDEX OF DRAWINGS	DP022
3	B27-SZN100	3	GENERAL NOTES -- SHEET 1 OF 2	DP021
4	B27-SZN101	0	GENERAL NOTES -- SHEET 2 OF 2	DP021
5	B27-LTP100	0	LANDSCAPE LOAD MAP	DP021
6	B27-SZK100	1	PLAN AND ELEVATION -- SHEET 1 OF 2	DP021
7	B27-SZK101	1	PLAN AND ELEVATION -- SHEET 2 OF 2	DP021
8	B27-SZK200	1	DECK CONTOURS -- SHEET 1 OF 2	DP022
9	B27-SZK201	0	DECK CONTOURS -- SHEET 2 OF 2	DP022
10	B27-SYX100	3	UNIT 1 - TYPICAL SECTIONS -- SHEET 1 OF 4	DP021
11	B27-SYX101	4	UNIT 2 - TYPICAL SECTIONS -- SHEET 2 OF 4	DP021
12	B27-SYX102	3	UNIT 3 - TYPICAL SECTIONS -- SHEET 3 OF 4	DP021
13	B27-SYX103	3	UNIT 3 - TYPICAL SECTIONS -- SHEET 4 OF 4	DP021
14	B27-SFP100	0	FOUNDATION PLAN	DP021
15	B27-SVD100	0	DRILLED SHAFT DETAILS -- SHEET 1 OF 4	DP021
16	B27-SVD101	0	DRILLED SHAFT DETAILS -- SHEET 2 OF 4	DP021
17	B27-SVD102	0	DRILLED SHAFT DETAILS -- SHEET 3 OF 4	DP021
18	B27-SVD103	0	DRILLED SHAFT DETAILS -- SHEET 4 OF 4	DP021
19	B27-SHD100	2	COLUMN DETAILS -- SHEET 1 OF 4	DP021
20	B27-SHD101	1	COLUMN DETAILS -- SHEET 2 OF 4	DP021
21	B27-SHD102	1	COLUMN DETAILS -- SHEET 3 OF 4	DP021
22	B27-SHD103	1	COLUMN DETAILS -- SHEET 4 OF 4	DP021
23	B27-SBP100	5	PIER 1 PLAN AND ELEVATION	DP021
24	B27-SBX100	0	PIER 1 SECTIONS AND DETAILS	DP021
25	B27-SBP101	2	PIER 2 PLAN AND ELEVATION	DP021
26	B27-SBX101	3	PIER 2 SECTIONS AND DETAILS	DP021
27	B27-SBP102	2	PIER 3 PLAN AND ELEVATION	DP021
28	B27-SBX102	2	PIER 3 SECTIONS AND DETAILS	DP021
29	B27-SBP103	2	PIER 4 PLAN AND ELEVATION	DP021
30	B27-SBX103	2	PIER 4 SECTIONS AND DETAILS	DP021
31	B27-SBP104	3	PIER 5 PLAN AND ELEVATION	DP021
32	B27-SBX104	2	PIER 5 SECTIONS AND DETAILS	DP021
33	B27-SBP105	3	PIER 6 PLAN AND ELEVATION	DP021
34	B27-SBX105	3	PIER 6 SECTIONS AND DETAILS	DP021
35	B27-SBP106	3	PIER 7 PLAN AND ELEVATION	DP021
36	B27-SBX106	3	PIER 7 SECTIONS AND DETAILS	DP021
37	B27-SBP107	4	PIER 8 PLAN AND ELEVATION	DP021
38	B27-SBX107	4	PIER 8 SECTIONS AND DETAILS	DP021
39	B27-SBP108	4	PIER 9 PLAN AND ELEVATION	DP021
40	B27-SBX108	3	PIER 9 SECTIONS AND DETAILS	DP021
41	B27-SGP100	1	UNIT 1 - FRAMING PLAN -- SPAN 1	DP022
42	B27-SGP101	3	UNIT 2 - FRAMING PLAN -- GIRDER SEGMENT A	DP022
43	B27-SGP102	2	UNIT 2 - FRAMING PLAN -- GIRDER SEGMENT B	DP022
44	B27-SGP103	2	UNIT 2 - FRAMING PLAN -- GIRDER SEGMENT C	DP022
45	B27-SGP104	2	UNIT 2 - FRAMING PLAN -- GIRDER SEGMENT D	DP022
46	B27-SGP105	2	UNIT 2 - FRAMING PLAN -- GIRDER SEGMENT E	DP022
47	B27-SGP106	0	UNIT 3 - FRAMING PLAN -- SPAN 5	DP022
48	B27-SGP107	0	UNIT 3 - FRAMING PLAN -- SPAN 6	DP022
49	B27-SGP108	0	UNIT 3 - FRAMING PLAN -- SPAN 7	DP022
50	B27-SGP109	0	UNIT 3 - FRAMING PLAN -- SPAN 8	DP022
51	B27-SGD100	2	UNIT 1 - UF60G6 GIRDER DETAILS -- SHEET 1 OF 3	DP022
52	B27-SGD101	1	UNIT 1 - UF60G6 GIRDER DETAILS -- SHEET 2 OF 3	DP022
53	B27-SGD102	0	UNIT 1 - UF60G6 GIRDER DETAILS -- SHEET 3 OF 3	DP022
53a	B27-SGD102a	1	UNIT 1 & UNIT 3 TUB GIRDER END REGION DETAILS	DP022
54	B27-SGD103	2	UNIT 1 - UF60G6 GIRDER SCHEDULE & NOTES	DP022
54a	B27-SGD103a	0	UNIT 1 - UF60G6 GIRDER CAMBER DATA	DP022
55	B27-SGV200	1	UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER PT LAYOUT -- SHT 1 OF 2	DP022
56	B27-SGV201	1	UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER PT LAYOUT -- SHT 2 OF 2	DP022
57	B27-SGV202	2	UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER PT DETAILS -- SHT 1 OF 4	DP022
58	B27-SGV203	1	UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER PT DETAILS -- SHT 2 OF 4	DP022
59	B27-SGV204	3	UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER PT DETAILS -- SHT 3 OF 4	DP022
59a	B27-SGV204a	1	UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER PT DETAILS -- SHT 4 OF 4	DP022
60	B27-SGV205	1	UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER SCHEDULE & NOTES	DP022

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SHT. No.	DWG No.	REV.	TITLE	PKG.
60a	B27-SGV206	0	UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER CAMBER DATA	DP022
61	B27-SGD200	2	UNIT 2 - MODIFIED WF100PTG GIRDER DETAILS -- SHEET 1 OF 4	DP022
62	B27-SGD201	1	UNIT 2 - MODIFIED WF100PTG GIRDER DETAILS -- SHEET 2 OF 4	DP022
63	B27-SGD202	1	UNIT 2 - MODIFIED WF100PTG GIRDER DETAILS -- SHEET 3 OF 4	DP022
63a	B27-SGD203	2	UNIT 2 - MODIFIED WF100PTG GIRDER DETAILS -- SHEET 4 OF 4	DP022
63b	B27-SGD204	1	GIRDER END REGION DETAILS	DP022
64	B27-SGD300	2	UNIT 3 - UF54G6 GIRDER DETAILS -- SHEET 1 OF 3	DP022
65	B27-SGD301	2	UNIT 3 - UF54G6 GIRDER DETAILS -- SHEET 2 OF 3	DP022
66	B27-SGD302	1	UNIT 3 - UF54G6 GIRDER DETAILS -- SHEET 3 OF 3	DP022
67	B27-SGD303	2	UNIT 3 - UF54G6 GIRDER SCHEDULE & NOTES	DP022
67a	B27-SGD304	0	UNIT 3 - UF54G6 GIRDER CAMBER DATA	DP022
68	B27-SPD100	4	UNIT 1 - PIER 1 END DIAPHRAGM DETAILS	DP022
69	B27-SPD101	7	UNIT 1 - PIER 2 END DIAPHRAGM DETAILS -- SHEET 1 OF 2	DP022
69a	B27-SPD101a	6	UNIT 1 - PIER 2 END DIAPHRAGM DETAILS -- SHEET 2 OF 2	DP022
70	B27-SPD102	5	UNIT 2 - PIER 2 END DIAPHRAGM DETAILS -- SHEET 1 OF 5	DP022
70a	B27-SPD102a	5	UNIT 2 - PIER 2 END DIAPHRAGM DETAILS -- SHEET 2 OF 5	DP022
70b	B27-SPD102b	3	UNIT 2 - PIER 2 END DIAPHRAGM DETAILS -- SHEET 3 OF 5	DP022
70c	B27-SPD102c	2	UNIT 2 - PIER 2 END DIAPHRAGM DETAILS -- SHEET 4 OF 5	DP022
71	B27-SPD103	4	UNIT 2 - PIER 2 END DIAPHRAGM DETAILS -- SHEET 5 OF 5	DP022
71a	B27-SPD103a	0	UNIT 2 - PIER 2 TYPICAL BENT BAR DETAIL AROUND PT POCKET	DP022
72	B27-SPP100	4	UNIT 2 - PIER 3 DIAPHRAGM -- PLAN AND ELEVATION	DP021
73	B27-SPX100	5	UNIT 2 - PIER 3 DIAPHRAGM -- SECTIONS AND DETAILS	DP021
74	B27-SPP101	4	UNIT 2 - PIER 4 DIAPHRAGM -- PLAN AND ELEVATION	DP022
75	B27-SPX101	5	UNIT 2 - PIER 4 DIAPHRAGM -- SECTIONS AND DETAILS	DP021
76	B27-SPD104	6	UNIT 2 - PIER 5 END DIAPHRAGM DETAILS -- SHEET 1 OF 3	DP022
77	B27-SPD105	5	UNIT 2 - PIER 5 END DIAPHRAGM DETAILS -- SHEET 2 OF 3	DP022
77a	B27-SPD105	1	UNIT 2 - PIER 5 END DIAPHRAGM DETAILS -- SHEET 3 OF 3	DP022
78	B27-SPD106	6	UNIT 3 - PIER 5 END DIAPHRAGM DETAILS	DP022
79	B27-SPP102	4	UNIT 3 - PIER 6 DIAPHRAGM -- PLAN AND ELEVATION	DP021
80	B27-SPX102	5	UNIT 3 - PIER 6 DIAPHRAGM -- SECTIONS AND DETAILS	DP021
80a	B27-SPX102a	0	UNIT 3 - PIER 6 DIAPHRAGM -- SECTIONS AND DETAILS	DP021
81	B27-SPP103	4	UNIT 3 - PIER 7 DIAPHRAGM -- PLAN AND ELEVATION	DP021
82	B27-SPX103	5	UNIT 3 - PIER 7 DIAPHRAGM -- SECTIONS AND DETAILS	DP021
82a	B27-SPX103a	0	UNIT 3 - PIER 7 DIAPHRAGM -- SECTIONS AND DETAILS	DP021
83	B27-SPP104	4	UNIT 3 - PIER 8 DIAPHRAGM -- PLAN AND ELEVATION	DP021
84	B27-SPX104	4	UNIT 3 - PIER 8 DIAPHRAGM -- SECTIONS AND DETAILS	DP021
85	B27-SPD107	5	UNIT 3 - PIER 9 END DIAPHRAGM DETAILS	DP022
86	B27-SGD104	0	UNIT 1 - GIRDER G4 / DIAPHRAGM DETAILS -- SHEET 1 OF 3	DP022
87	B27-SGD105	2	UNIT 1 - GIRDER G4 / DIAPHRAGM DETAILS -- SHEET 2 OF 3	DP022
87a	B27-SGD105a	1	UNIT 1 - GIRDER G4 / DIAPHRAGM DETAILS -- SHEET 3 OF 3	DP022
88	B27-SGD901	3	UNIT 1 - INTERMEDIATE DIAPHRAGM -- SPAN 1	DP022
89	B27-SGD902	3	UNIT 2 - INTERMEDIATE DIAPHRAGM -- SPAN 2	DP022
89a	B27-SGD902a	3	UNIT 2 - INTERMEDIATE DIAPHRAGM -- SPAN 4	DP022
90	B27-SGD900	4	UNIT 2 - SPLICED GIRDER WET JOINT DETAILS -- SHEET 1 OF 2	DP022
91	B27-SGD900a	4	UNIT 2 - SPLICED GIRDER WET JOINT DETAILS -- SHEET 2 OF 2	DP022
92	B27-SNP100	2	UNIT 1 - SIP DECK PANEL LAYOUT -- SPAN 1	DP022
93	B27-SNP101	3	UNIT 2 - SIP DECK PANEL LAYOUT -- SPAN 2	DP022
94	B27-SNP102	4	UNIT 2 - SIP DECK PANEL LAYOUT -- SPAN 3	DP022
95	B27-SNP103	4	UNIT 2 - SIP DECK PANEL LAYOUT -- SPAN 4	DP022
96	B27-SNP104	4	UNIT 3 - SIP DECK PANEL LAYOUT -- SPAN 5	DP022
97	B27-SNP105	2	UNIT 3 - SIP DECK PANEL LAYOUT -- SPAN 6	DP022
98	B27-SNP106	1	UNIT 3 - SIP DECK PANEL LAYOUT -- SPAN 7	DP022
99	B27-SNP107	1	UNIT 3 - SIP DECK PANEL LAYOUT -- SPAN 8	DP022
100	B27-SND100	2	DECK SIP PRECAST PANEL DETAILS -- SHEET 1 OF 8	DP022
101	B27-SND101	3	DECK SIP PRECAST PANEL DETAILS -- SHEET 2 OF 8	DP022
102	B27-SND102	3	DECK SIP PRECAST PANEL DETAILS -- SHEET 3 OF 8	DP022
102a	B27-SND102a	1	DECK SIP PRECAST PANEL DETAILS -- SHEET 4 OF 8	DP022
102b	B27-SND102b	0	DECK SIP PRECAST PANEL DETAILS -- SHEET 5 OF 8	DP022
102c	B27-SND102c	0	DECK SIP PRECAST PANEL DETAILS -- SHEET 6 OF 8	DP022
102d	B27-SND102d	1	DECK SIP PRECAST PANEL DETAILS -- SHEET 7 OF 8	DP022
102e	B27-SND102e	1	DECK SIP PRECAST PANEL DETAILS -- SHEET 8 OF 8	DP022
103	B27-SRP100	2	UNIT 1 - DECK SLAB PLAN -- SPAN 1 TOP	DP022
104	B27-SRP101	2	UNIT 1 - DECK SLAB PLAN -- SPAN 1 BOTTOM	DP022
105	B27-SRP102	4	UNIT 2 - DECK SLAB PLAN -- SPAN 2	DP022

INDEX OF DRAWINGS

SHT. No.	DWG No.	REV.	TITLE	PKG.
106	B27-SRP103	3	UNIT 2 - DECK SLAB PLAN -- SPAN 3	DP022
107	B27-SRP104	4	UNITS 2/3 - DECK SLAB PLAN -- SPAN 4	DP022
108	B27-SRP105	2	UNIT 3 - DECK SLAB PLAN -- SPANS 5 - 6	DP022
109	B27-SRP106	2	UNIT 3 - DECK SLAB PLAN -- SPANS 7 - 8	DP022
110	B27-SRX100	2	UNIT 1 - DECK SLAB REINFORCEMENT -- SHEET 1 OF 4	DP022
111	B27-SRX101	2	UNIT 2 - DECK SLAB REINFORCEMENT -- SHEET 2 OF 4	DP022
112	B27-SRX102	2	UNIT 3 - DECK SLAB REINFORCEMENT -- SHEET 3 OF 4	DP022
113	B27-SRX103	2	UNIT 3 - DECK SLAB REINFORCEMENT -- SHEET 4 OF 4	DP022
113a	B27-SRX104	3	DECK SLAB REINFORCEMENT DETAILS	DP022
113aa	B27-SRP107	0	CIP DECK HANGER INSERT PLAN -- SHEET 1 OF 3	DP022
113ab	B27-SRP108	0	CIP DECK HANGER INSERT PLAN -- SHEET 2 OF 3	DP022
113ac	B27-SRP109	1	CIP DECK HANGER INSERT PLAN -- SHEET 3 OF 3	DP022
113b	B27-SRX105	2	CIP DECK PENETRATION & HANGER INSERT LOCATIONS -- SHEET 1 OF 4	DP022
113c	B27-SRX106	0	CIP DECK PENETRATION & HANGER INSERT LOCATIONS -- SHEET 2 OF 4	DP022
113d	B27-SRX107	1	CIP DECK PENETRATION & HANGER INSERT LOCATIONS -- SHEET 3 OF 4	DP022
113e	B27-SRX108	0	CIP DECK PENETRATION & HANGER INSERT LOCATIONS -- SHEET 4 OF 4	DP022
114	B27-SSP100	1	SLAB POUR SEQUENCE	DP022
115	B27-LHP100	2	LANDSCAPE PLAN -- SHEET 1 OF 5	DP022
116	B27-LHP101	1	LANDSCAPE PLAN -- SHEET 2 OF 5	DP022
117	B27-LHP102	1	LANDSCAPE PLAN -- SHEET 3 OF 5	DP022
118	B27-LHP103	1	LANDSCAPE PLAN -- SHEET 4 OF 5	DP022
119	B27-LHP104	2	LANDSCAPE PLAN -- SHEET 5 OF 5	DP022
120	B27-LHP105	3	LANDSCAPE CONTROL POINT LOCATIONS -- SHEET 1 OF 4	DP022
121	B27-LHP106	1	LANDSCAPE CONTROL POINT LOCATIONS -- SHEET 2 OF 4	DP022
122	B27-LHP107	2	LANDSCAPE CONTROL POINT LOCATIONS -- SHEET 3 OF 4	DP022
123	B27-LHP108	1	LANDSCAPE CONTROL POINT LOCATIONS -- SHEET 4 OF 4	DP022
124	B27-LHD200	3	LANDSCAPE SECTIONS AND DETAILS -- SHEET 1 OF 5	DP022
125	B27-LHD201	3	LANDSCAPE SECTIONS AND DETAILS -- SHEET 2 OF 5	DP022
126	B27-LHD202	2	LANDSCAPE SECTIONS AND DETAILS -- SHEET 3 OF 5	DP022
126a	B27-LHD203	1	LANDSCAPE SECTIONS AND DETAILS -- SHEET 4 OF 5	DP022
126b	B27-LHD204	1	LANDSCAPE SECTIONS AND DETAILS -- SHEET 5 OF 5	DP022
127	B27-LHD300	2	LANDSCAPE DRAINAGE DETAILS -- SHEET 1 OF 6	DP022
128	B27-LHD301	1	LANDSCAPE DRAINAGE DETAILS -- SHEET 2 OF 6	DP022
128a	B27-LHD302	0	LANDSCAPE DRAINAGE DETAILS -- SHEET 3 OF 6	DP022
128b	B27-LHD303	0	LANDSCAPE DRAINAGE DETAILS -- SHEET 4 OF 6	DP022
128c	B27-LHD304	0	LANDSCAPE DRAINAGE DETAILS -- SHEET 5 OF 6	DP022
128d	B27-LHD305	0	LANDSCAPE DRAINAGE DETAILS -- SHEET 6 OF 6	DP022
129	B27-SYD100	1	BARRIER DETAILS -- SHEET 1 OF 3	DP022
130	B27-SYD101	2	BARRIER DETAILS -- SHEET 2 OF 3	DP022
131	B27-SYD102	2	BARRIER DETAILS -- SHEET 3 OF 3	DP022
132	B27-SYD200	3	CANOPY PEDESTAL DETAILS -- SHEET 1 OF 3	DP022
133	B27-SYD201	2	CANOPY PEDESTAL DETAILS -- SHEET 2 OF 3	DP022
134	B27-SYD202	2	CANOPY PEDESTAL DETAILS -- SHEET 3 OF 3	DP022
135	B27-SBD100	1	ELASTOMERIC BEARING DETAILS -- SHEET 1 OF 3	DP022
136	B27-SBD101	2	ELASTOMERIC BEARING DETAILS -- SHEET 2 OF 3	DP022
137	B27-SBD102	2	ELASTOMERIC BEARING DETAILS -- SHEET 3 OF 3	DP022
138	B27-SBD200	1	DISC BEARING DETAILS -- SHEET 1 OF 3	DP022
139	B27-SBD201	1	DISC BEARING DETAILS -- SHEET 2 OF 3	DP022
140	B27-SBD202	1	DISC BEARING DETAILS -- SHEET 3 OF 3	DP022
141	B27-SJD100	2	EXPANSION JOINT DETAILS -- SHEET 1 OF 2	DP022
141a	B27-SJD101	0	EXPANSION JOINT DETAILS -- SHEET 2 OF 2	DP022
142	B27-UCP100	3	UTILITY PLAN -- SHEET 1 OF 3	DP022
143	B27-UCP101	3	UTILITY PLAN -- SHEET 2 OF 3	DP022
144	B27-UCP102	3	UTILITY PLAN -- SHEET 3 OF 3	DP022
145	B27-UCD100	1	~~UTILITY DETAILS -- SHEET 1 OF 3~~ DELETED	DP022
146	B27-UCD101	1	~~UTILITY DETAILS -- SHEET 2 OF 3~~ DELETED	DP022
146a	B27-UCD102	2	~~UTILITY DETAILS -- SHEET 3 OF 3~~ DELETED	DP022
147	B27-SSE100	1	CONSTRUCTION SEQUENCE -- SHEET 1 OF 3	DP021
148	B27-SSE101	2	CONSTRUCTION SEQUENCE -- SHEET 2 OF 3	DP021
149	B27-SSE102	3	CONSTRUCTION SEQUENCE -- SHEET 3 OF 3	DP021
150	B27-LHP900	0	LANDSCAPE LOADING SEQUENCE	DP021
151	B27-UCD200	1	COLUMN DOWNSPOUT DETAILS	DP022

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
24	10/12/21	SJD	KF	SJD	NDC-000076 REVISIONS
23	09/10/21	SJD	KF	SJD	NDC-000071 - PIER 2 ELECTRICAL CONDUIT REVISIONS
22	06/28/21	SJD	KF	SJD	NDC-000070 REVISIONS
21	01/29/21	SJD	KF	SJD	NDC-000052 REVISIONS
20	12/23/20	SJD	KF	SJD	NDC-000051 REVISIONS
19	11/24/20	SJD	KF	SJD	NDC-000053 & NDC-000054 REVISIONS
18	11/13/20	SJD	KF	SJD	NDC-000026 REVISIONS

DESIGNED BY: S. DESPRADEL
DRAWN BY: D. HENDERSON
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

STATE OF WASHINGTON — DARREL J. DESPRADEL — 21009 — REGISTERED PROFESSIONAL ENGINEER
10/13/21 EXP: 3/15/23

Kiewit
RE: KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: NTS
FILENAME: 002-B27-SZI100

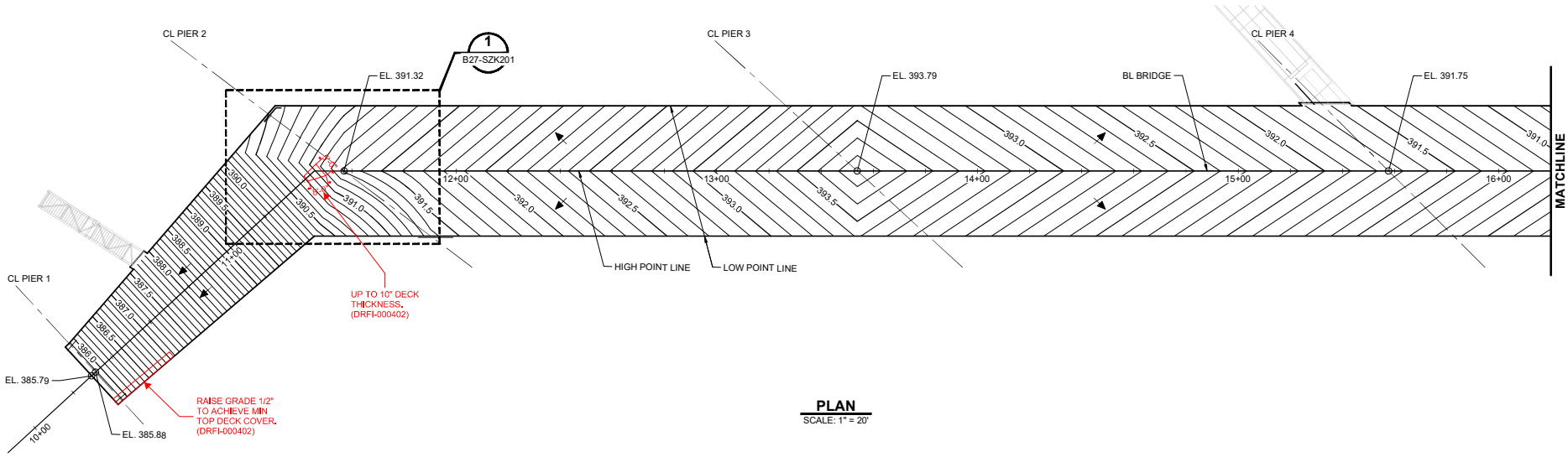
RTS PEDESTRIAN BRIDGE

INDEX OF DRAWINGS

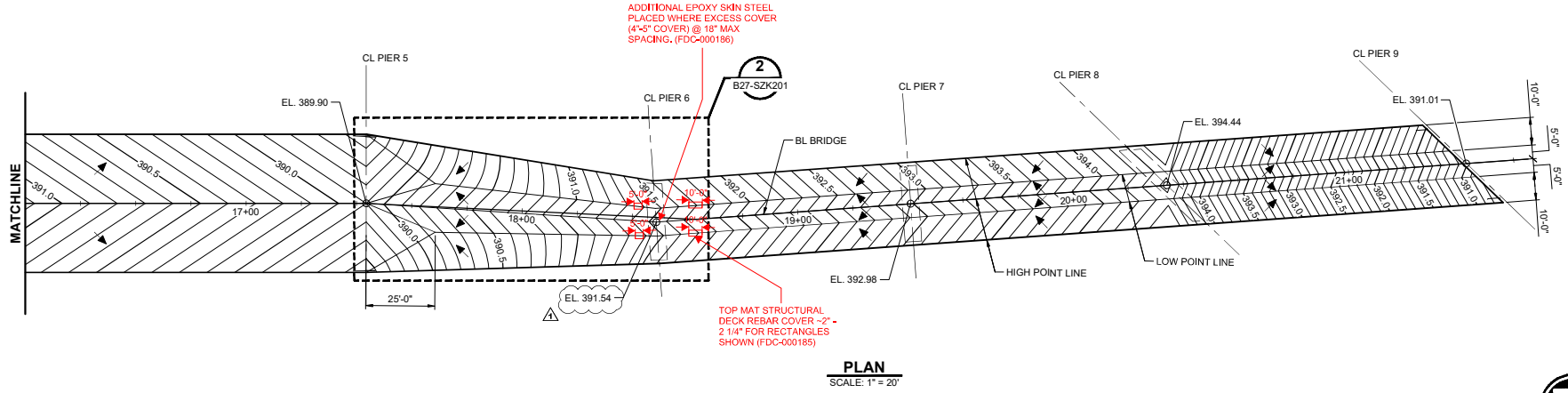
DRAWING No.: B27-SZI100
FACILITY ID: B27
SHEET No.: 2 REV.: 24

RECORD DRAWING #23-2154

10/12/21 | 7:49 PM | ALYSSA.SOLIZ
C:\PROJECTWISE\KIEWSEL\D0029310\002-B27-SZI100.DWG



PLAN
SCALE: 1" = 20'



PLAN
SCALE: 1" = 20'

LIMITED TO AS-BUILT INFORMATION ONLY:

NOTE:
1. ELEVATIONS INDICATE TOP OF STRUCTURAL DECK.

20 10 0 20 40
SCALE IN FEET

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	02/12/20	SJD	KF	SJD	NDC-000009 - CORRECTED ELEVATION
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: J. SCHMIDT
CHECKED BY: K. MAYTUM
APPROVED BY: S. DESPRADEL

BRENNA J. DESPRADEL — STATE OF WASHINGTON — 23617799 — REGISTERED PROFESSIONAL ENGINEER
2/12/20 EXP. 03/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
LINE IS 1" AT FULL SCALE
CityofRedmond
SCALE: 1" = 20'
FILENAME: 008-B27-SZK200
SUBMITTAL DATE: 11/04/19

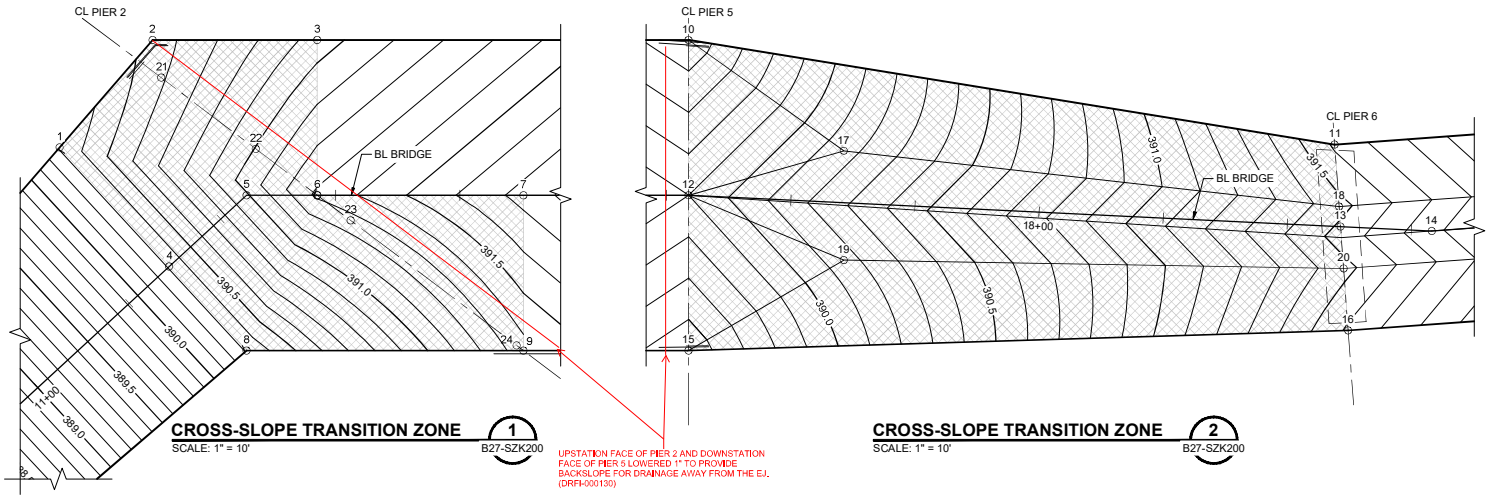
RTS PEDESTRIAN BRIDGE

DECK CONTOURS
SHEET 1 OF 2

DRAWING No.: B27-SZK200
FACILITY ID: B27
SHEET No.: 8 REV.: 1

RECORD DRAWING #23-2155

02/11/20 | 7:50 PM | ALYSSA.SOLIZ
C:\PROJECTWISE\EWISED\DP025\10008-B27-SZK200.DWG



CROSS-SLOPE TRANSITION ZONE 1
SCALE: 1" = 10' B27-SZK200

UPSTATION FACE OF PIER 2 AND DOWNSTATION FACE OF PIER 5 LOWERED 1" TO PROVIDE BACKSLOPE FOR DRAINAGE AWAY FROM THE EJ. (DRFI-000130)

CROSS-SLOPE TRANSITION ZONE 2
SCALE: 1" = 10' B27-SZK200

DECK ELEVATIONS **

POINT No.	ELEVATION
21	390.59
22	391.01
23	391.26
24	391.35

** ALL POINTS ARE LOCATED AT THE INTERSECTION OF CL GIRDER AND CL PIER 2. SEE FRAMING PLAN SHEETS FOR LOCATIONS.

TRANSITION ZONE VARIABLES

POINT No.	STATION	LEFT OFFSET	RIGHT OFFSET	ELEVATION
1	11+28.74	26.04'	-	390.31
2	11+45.68 *	29.21' *	-	390.54
3	11+57.06	25.00'	-	390.95
4	11+28.74	-	-	390.31
5	11+45.68	-	-	391.01
6	11+57.06	-	-	391.32
7	11+90.23	-	-	391.74
8	11+28.74	-	18.39'	390.31
9	11+90.23	-	25.00'	391.36
10	17+43.50	25.00'	-	389.53
11	18+47.02	13.14'	-	391.62
12	17+43.50	-	-	389.90
13	18+48.60	-	-	391.54
14	18+63.29	-	-	391.77
15	17+43.50	-	25.00'	389.53
16	18+50.61	-	16.64'	391.62
17	17+68.13	8.34'	-	390.16
18	18+48.22	3.21'	-	391.47
19	17+68.97	-	9.22'	390.16
20	18+49.41	-	6.71'	391.47

NOTE:
1. ELEVATIONS INDICATE TOP OF STRUCTURAL DECK.

LIMITED TO AS-BUILT INFORMATION ONLY:

* MEASURED FROM STATION TO CORNER, NOT PERPENDICULAR AT THIS LOCATION.

DESIGN PACKAGE DP022

IFC SUBMITTAL

No.	DATE	DSN	CHK	APP	REVISION
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: J. SCHMIDT
CHECKED BY: K. MAYTUM
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — 21609 — REGISTERED PROFESSIONAL ENGINEER
11/05/2019 EXP. 03-15-21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN DATE: 11/04/19
Kiewit
REVIEWED BY: T. KRAUPA DATE: 11/04/19
LINE IS 1" AT FULL SCALE
CityofRedmond
SCALE: 1" = 10'
FILENAME: 009-B27-SZK201
SUBMITTAL DATE: 11/04/19

RTS PEDESTRIAN BRIDGE

DECK CONTOURS
SHEET 2 OF 2

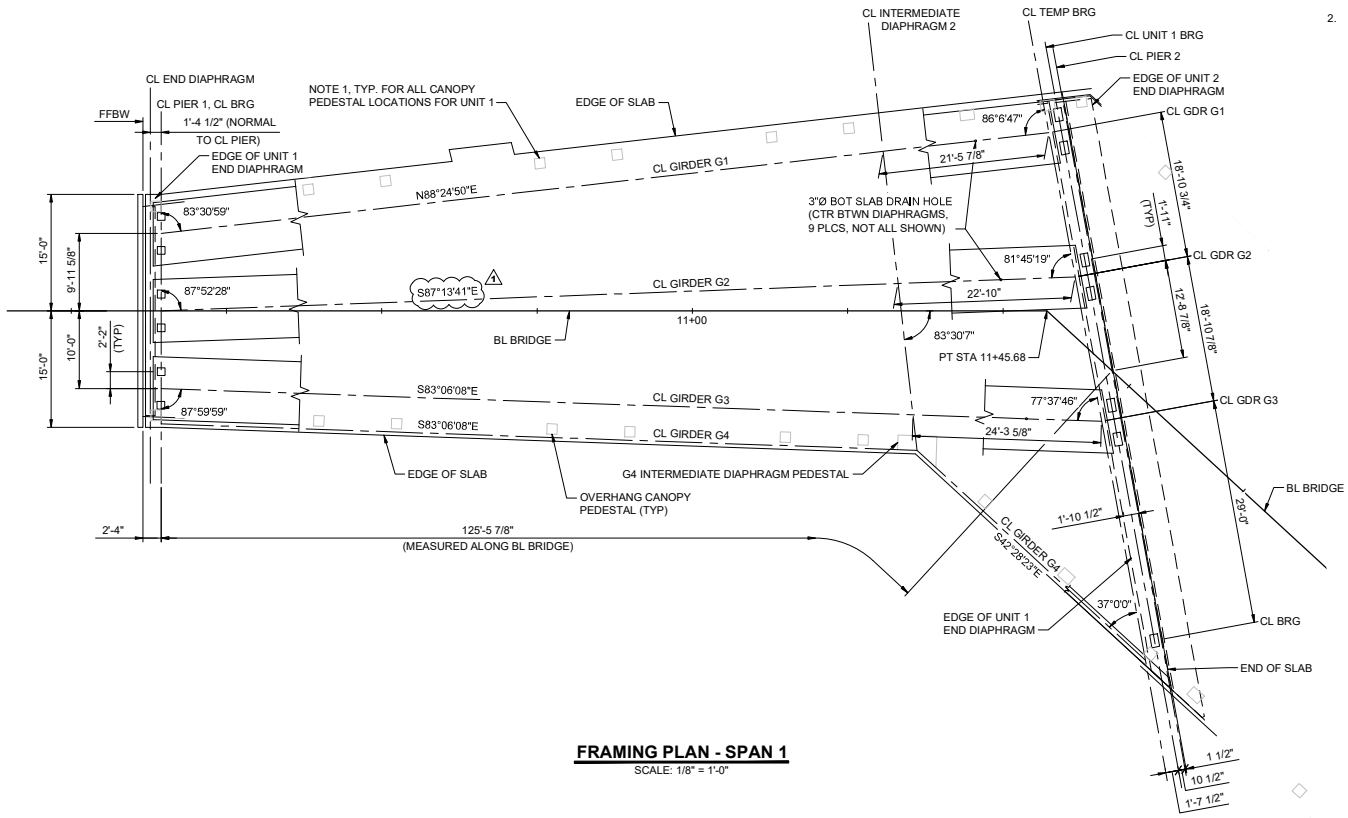
DRAWING No.: B27-SZK201
FACILITY ID: B27
SHEET No.: 9 REV:

RECORD DRAWING #23-2156

10/31/19 | 4:48 PM | DIETRICH HENDERSON
C:\USERS\DIETRICH.HENDERSON\DOCUMENTS\MICROSOFT_PROGRESS_SET_EXPORT\009-B27-SZK001.DWG

NOTES:

1. FOR PEDESTALS SHOWN GRAYSCALE, NO ADDITIONAL GIRDER REINFORCEMENT IS REQUIRED.
2. FOR CANOPY PEDESTAL LOCATION SEE LANDSCAPE STRUCTURAL DWGS.



FRAMING PLAN - SPAN 1

SCALE: 1/8" = 1'-0"

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	03/06/20	SJD	KF	SJD	NDC-000010 - CORRECT G2 BEARING
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: R. TUCHSCHERER
APPROVED BY: S. DESPRADEL

DARREL J. DESPRADEL — STATE OF WASHINGTON — 21626 — REGISTERED PROFESSIONAL ENGINEER — STRUCTURAL ENGINEER
3/6/20 EXP: 3/15/21

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/19

LINE IS 1" AT FULL SCALE

City of Redmond

SCALE: 1/8" = 1'-0"
FILENAME: 041-B27-SGP100

RTS PEDESTRIAN BRIDGE

UNIT 1 - FRAMING PLAN
SPAN 1

DRAWING No.: B27-SGP100
FACILITY ID: B27
SHEET No.: 41
REV: 1

RECORD DRAWING #23-2157

XREF LIST:
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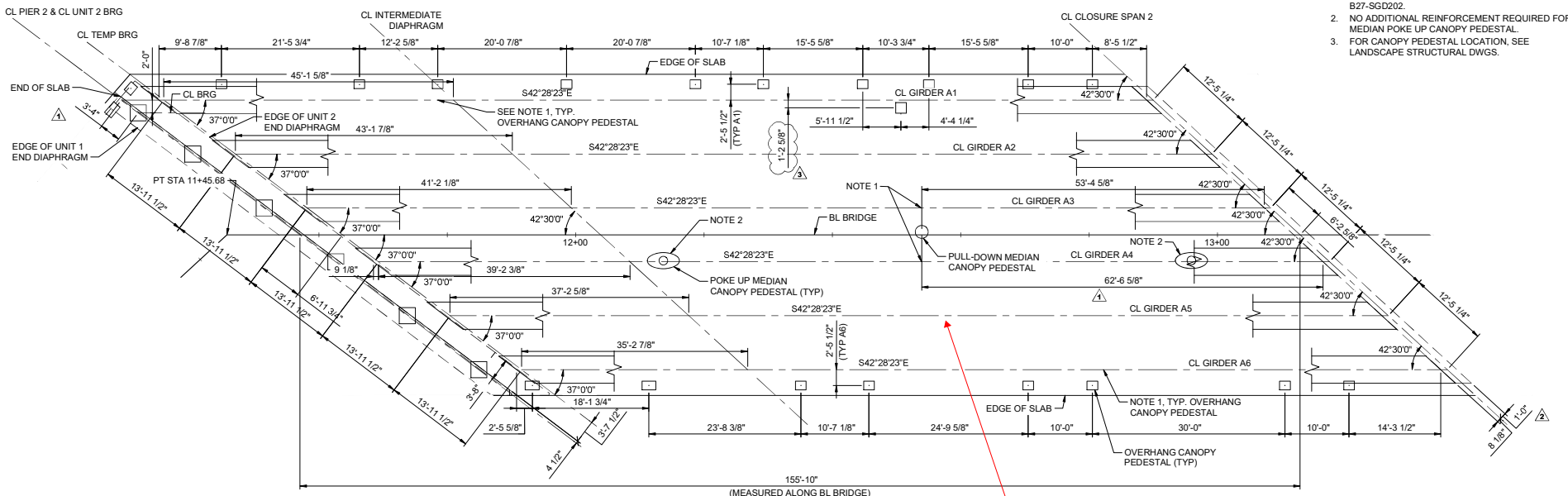
t:\EMG-SBC-SGD-100.dwg
t:\EMG-SBC-SGP100.dwg
t:\EMG-SBC-ARP100.dwg

03/03/20 | 10:06 AM | ALYSSA.SOLIZ
C:\PROJECTWISE\WE\WSEDOC\2591024\1-B27-SGP100.DWG

NOTES:

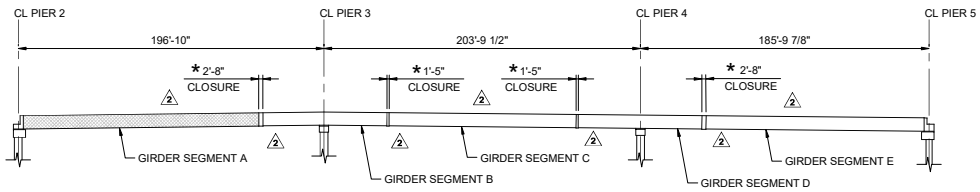
1. FOR ADDITIONAL GIRDER REINFORCEMENT AT PEDESTAL LOCATIONS, SEE GIRDER DETAILS DWG B27-SGD202.
2. NO ADDITIONAL REINFORCEMENT REQUIRED FOR MEDIAN POKE UP CANOPY PEDESTAL.
3. FOR CANOPY PEDESTAL LOCATION, SEE LANDSCAPE STRUCTURAL DWGS.



FRAMING PLAN - GIRDER SEGMENT A

SCALE: 1/8" = 1'-0"

PT DRAINS LOCATED IN WEB OF GIRDER, MOVED TO FLANGE. (AB-COND-000002)



* NOMINAL DIMENSION, FOR AS-BUILT DIMENSION SEE "X" DIMENSION IN DWG B27-SGV204a

LIMITED TO AS-BUILT INFORMATION ONLY:

ELEVATION

NTS

(SHOWN AT BL BRIDGE)

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
3	11/24/20	SJD	KF	SJD	NDC-000054 - SHIFT CANOPY PEDESTALS 1, 143, & 123
2	08/21/20	SJD	KF	SJD	NDC-000030 REVISED CLOSURES
1	03/06/20	SJD	KF	SJD	NDC-000010 - ADDED CANOPY PEDESTAL DIMS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: R. TUCHSCHERER
APPROVED BY: S. DESPRADEL

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/8" = 1'-0"
FILENAME: 042-B27-SGP101

RTS PEDESTRIAN BRIDGE

UNIT 2 - FRAMING PLAN
GIRDER SEGMENT A

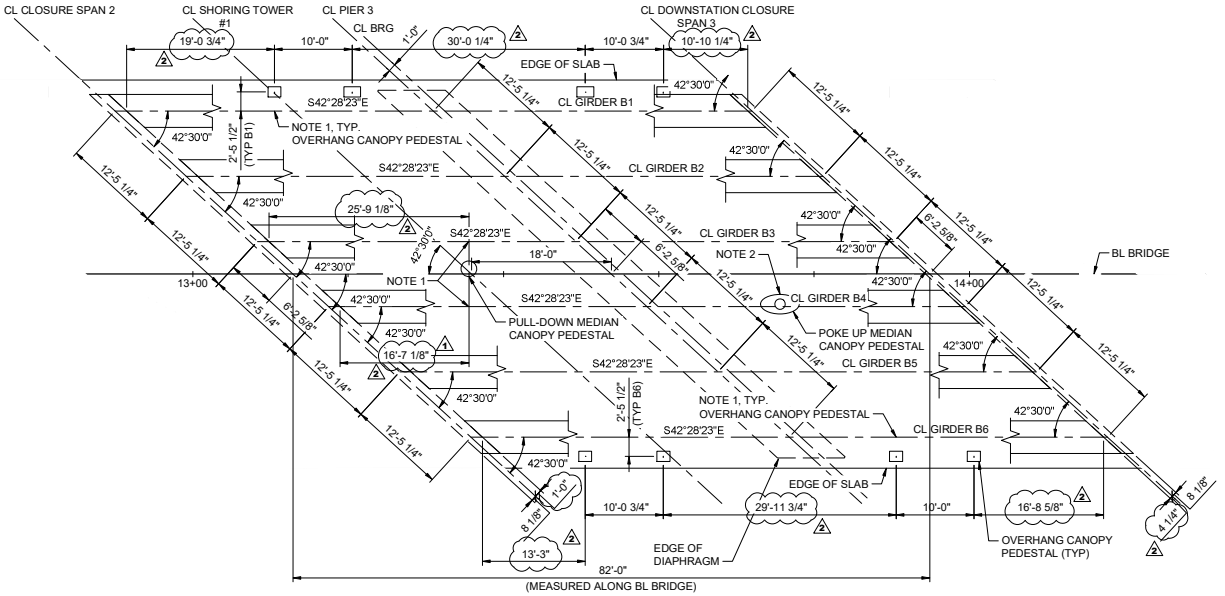
DRAWING No.: B27-SGP101
FACILITY ID: B27
SHEET No.: 42
REV.: 3

RECORD DRAWING #23-2158

11/23/20 1:59 PM | ALYSSA.SOLIZ
C:\PROJECTWISE\KIEWISED\D0250\10042-B27-SGP101.DWG

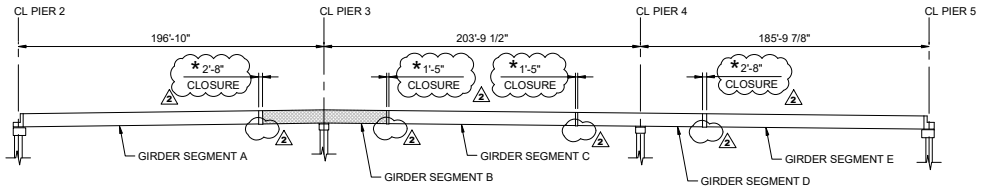
NOTES:

1. FOR ADDITIONAL GIRDER REINFORCEMENT AT PEDESTAL LOCATIONS, SEE GIRDER DETAILS DWG B27-SGD202.
2. NO ADDITIONAL REINFORCEMENT REQUIRED FOR MEDIAN POKE UP CANOPY PEDESTAL.
3. FOR CANOPY PEDESTAL LOCATION, SEE LANDSCAPE STRUCTURAL DWGS.



FRAMING PLAN - GIRDER SEGMENT B

SCALE: 1/8" = 1'-0"



* NOMINAL DIMENSION, FOR AS-BUILT DIMENSION SEE "X" DIMENSION IN DWG B27-SGV204a

ELEVATION

NTS
(SHOWN AT BL BRIDGE)

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	08/21/20	SJD	KF	SJD	NDC-000030 REVISED CLOSURES & GIRDER SHIFT
1	03/06/20	SJD	KF	SJD	NDC-000010 - ADDED CANOPY PEDESTAL DIMS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: R. TUCHSCHERER
APPROVED BY: S. DESPRADEL

JARED J. DESPRADEL — STATE OF WASHINGTON — PROFESSIONAL ENGINEER
8/21/2020 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19
REVIEWED BY: T. KRAUPA | DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: 1/8" = 1'-0"
FILENAME: 043-B27-SGP102

RTS PEDESTRIAN BRIDGE

UNIT 2 - FRAMING PLAN
GIRDER SEGMENT B

DRAWING No.: **B27-SGP102**
FACILITY ID: B27
SHEET No.: 43
REV: 2

RECORD DRAWING #23-2159

XREF LIST:
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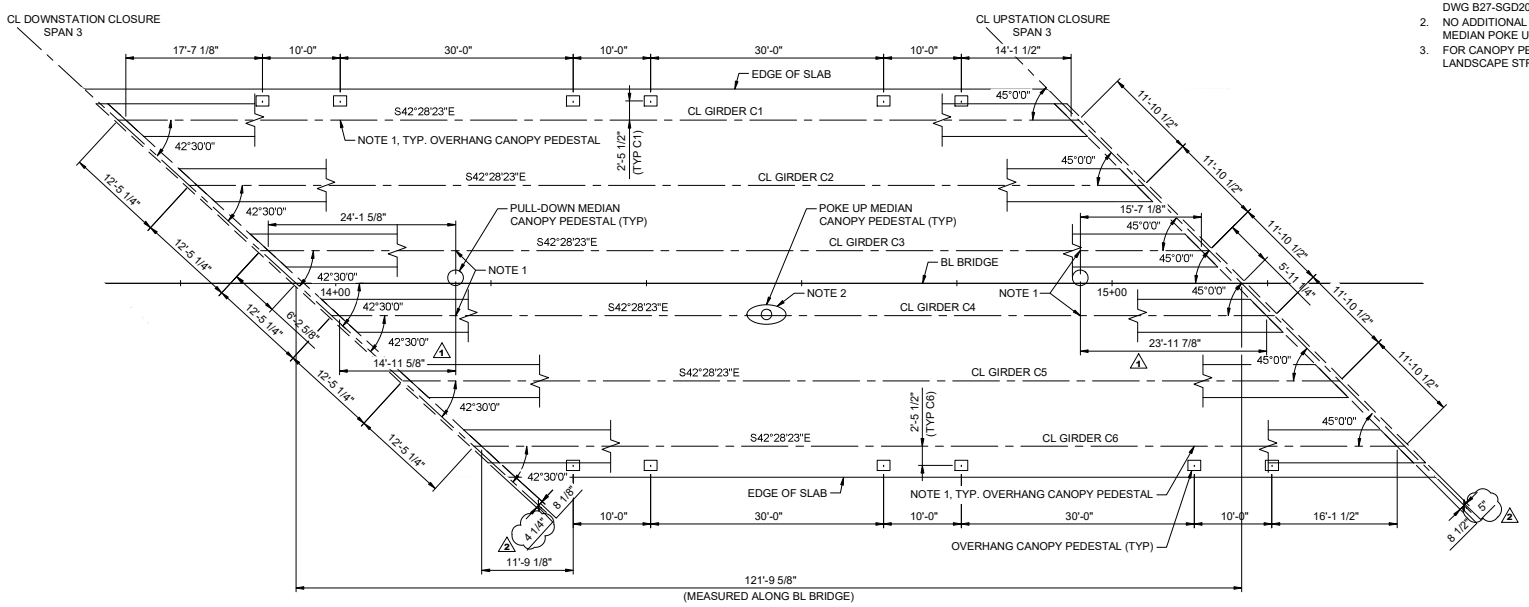
c:\EMD-BC1-SGV102.dwg
c:\EMD-BC1-SGP100.dwg
c:\EMD-BC1-ARP102.dwg
RTS_Ped_Bridge-BD-1.dwg

08/20/20 | 7:56 PM | ALYSSA.SOLIZ
C:\PROJECTWISE\WTBSE\D0025910\043-B27-SGP102.DWG

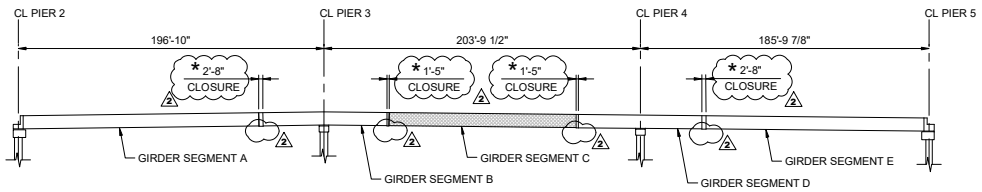
NOTES:

1. FOR ADDITIONAL GIRDER REINFORCEMENT AT PEDESTAL LOCATIONS, SEE GIRDER DETAILS DWG B27-SGD202.
2. NO ADDITIONAL REINFORCEMENT REQUIRED FOR MEDIAN POKE UP CANOPY PEDESTAL.
3. FOR CANOPY PEDESTAL LOCATION, SEE LANDSCAPE STRUCTURAL DWGS.



FRAMING PLAN - GIRDER SEGMENT C

SCALE: 1/8" = 1'-0"



* NOMINAL DIMENSION, FOR AS-BUILT DIMENSION SEE "X" DIMENSION IN DWG B27-SGV204a

ELEVATION

NTS
(SHOWN AT BL BRIDGE)

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	08/21/20	SJD	KF	SJD	NDC-000030 REVISED CLOSURES
1	03/06/20	SJD	KF	SJD	NDC-000010 - ADDED CANOPY PEDESTAL DIMS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: R. TUCHSCHERER
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — 21 — PROFESSIONAL ENGINEER
8/21/2020 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN | DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA | DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond
SCALE: 1/8" = 1'-0"
FILENAME: 044-B27-SGP103
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UNIT 2 - FRAMING PLAN
GIRDER SEGMENT C

DRAWING No.: **B27-SGP103**
FACILITY ID: B27
SHEET No.: 44 REV: 2

RECORD DRAWING #23-2160

XREF LIST:
sEMS-SBX-FB2D-34.dwg
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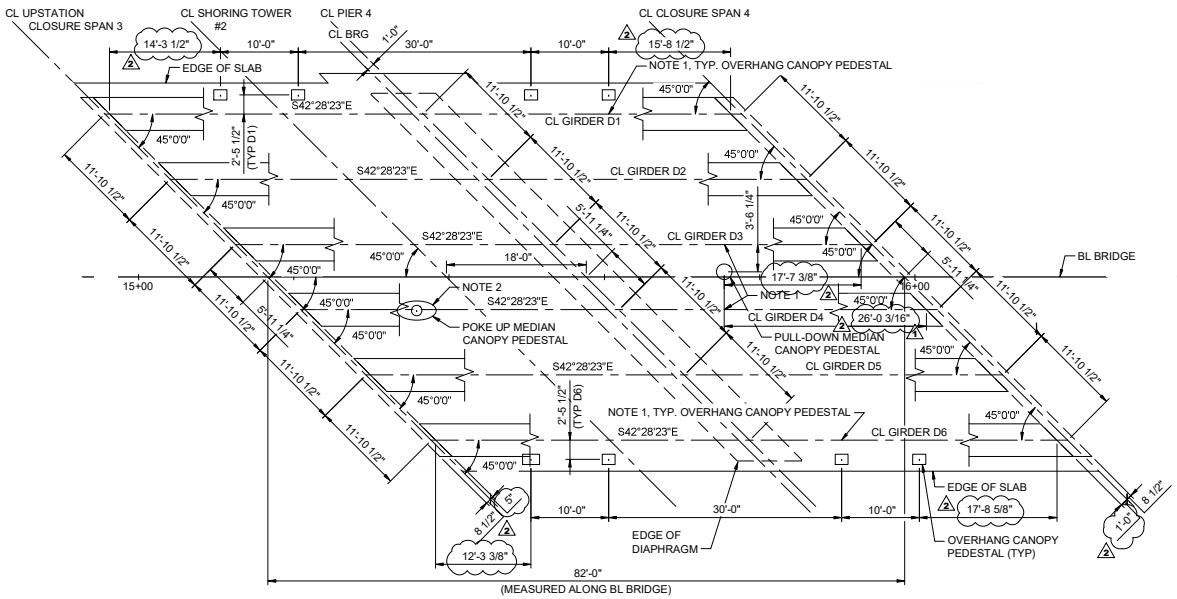
sEMS-BIC-SGP-10U.dwg
sEMS-BIC-LMR-10U.dwg
RTS_PH1_Bridge-MS-T.dwg

08/20/20 | 8:08 PM | ALYSSA.SOLIZ
C:\PROJECTWISE\WEBSDD\625910\044-B27-SGP103.DWG

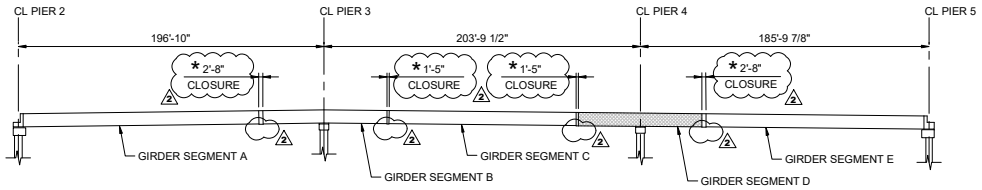
NOTES:

1. FOR ADDITIONAL GIRDER REINFORCEMENT AT PEDESTAL LOCATIONS, SEE GIRDER DETAILS DWG B27-SGD202.
2. NO ADDITIONAL REINFORCEMENT REQUIRED FOR MEDIAN POKE UP CANOPY PEDESTAL.
3. FOR CANOPY PEDESTAL LOCATION, SEE LANDSCAPE STRUCTURAL DWGS.



FRAMING PLAN - GIRDER SEGMENT D

SCALE: 1/8" = 1'-0"



* NOMINAL DIMENSION, FOR AS-BUILT DIMENSION SEE "X" DIMENSION IN DWG B27-SGV204a

ELEVATION

NTS
(SHOWN AT BL BRIDGE)

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	08/21/20	SJD	KF	SJD	NDC-000030 REVISED CLOSURES & GIRDER SHIFT
1	03/06/20	SJD	KF	SJD	NDC-000010 - ADDED CANOPY PEDESTAL DIMS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: R. TUCHSCHERER
APPROVED BY: S. DESPRADEL

STATE OF WASHINGTON — STEVEN J. DESPRADEL — PROFESSIONAL ENGINEER
8/21/2020 — EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19
REVIEWED BY: T. KRAUPA | DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/8" = 1'-0"
FILENAME: 045-B27-SGP104

RTS PEDESTRIAN BRIDGE

UNIT 2 - FRAMING PLAN
GIRDER SEGMENT D

DRAWING No.: **B27-SGP104**
FACILITY ID: B27
SHEET No.: 45 REV: 2

RECORD DRAWING #23-2161

XREF LIST:
nEM05-SBP-B2C0-34.dwg
nEM04-SBC-SGV-100.dwg
nEM04-SBC-SGP-100.dwg
nEM04-STL-MRY-00.dwg
RTS_Ped_Bridge-SDS-7.dwg

08/20/20 | 8:14 PM | ALYSSA.SOLIZ
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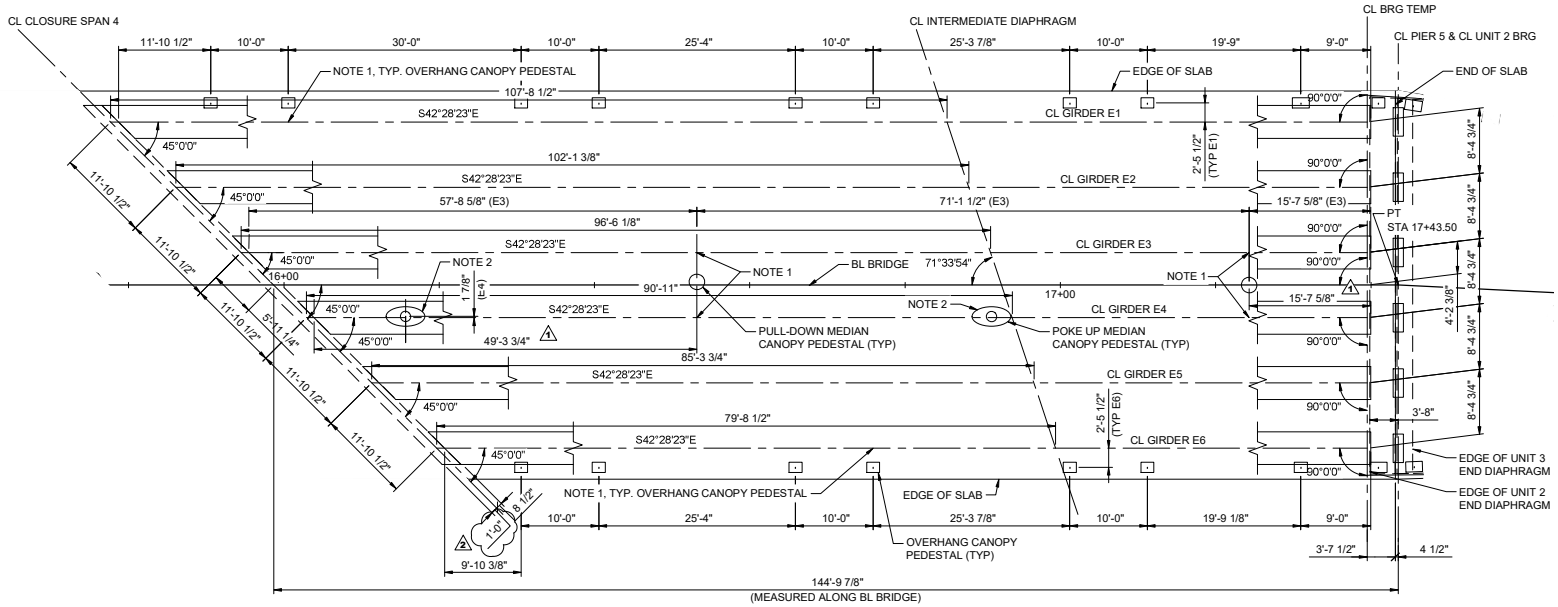
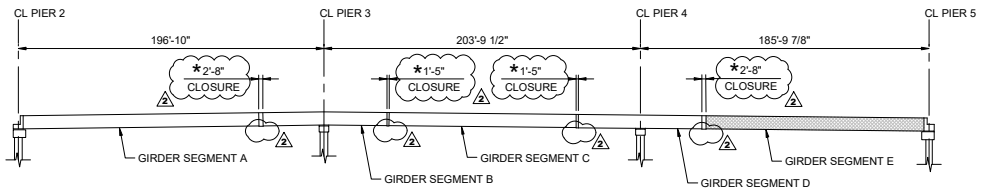


FRAMING PLAN - GIRDER SEGMENT E

SCALE: 1/8" = 1'-0"

NOTES:

1. FOR ADDITIONAL GIRDER REINFORCEMENT AT PEDESTAL LOCATIONS, SEE GIRDER DETAILS DWG B27-SGD202.
2. NO ADDITIONAL REINFORCEMENT FOR MEDIAN POKE UP CANOPY PEDESTAL.
3. FOR CANOPY PEDESTAL LOCATION, SEE LANDSCAPE STRUCTURAL DWGS.



* NOMINAL DIMENSION, FOR AS-BUILT DIMENSION SEE "X" DIMENSION IN DWG B27-SGV204a

ELEVATION

NTS
(SHOWN AT BL BRIDGE)

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	08/21/20	SJD	KF	SJD	NDC-000030 REVISED CLOSURES
1	03/06/20	SJD	KF	SJD	NDC-000010 - ADDED CANOPY PEDESTAL DIMS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: R. TUCHSCHERER
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — 21 — PROFESSIONAL ENGINEER
8/21/2020 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19
REVIEWED BY: T. KRAUPA | DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/8" = 1'-0"
FILENAME: 046-B27-SGP105

CityofRedmond

RTS PEDESTRIAN BRIDGE

UNIT 2 - FRAMING PLAN
GIRDER SEGMENT E

DRAWING No.: B27-SGP105
FACILITY ID: B27
SHEET No.: 46
REV: 2

RECORD DRAWING #23-2162

XREF LIST:
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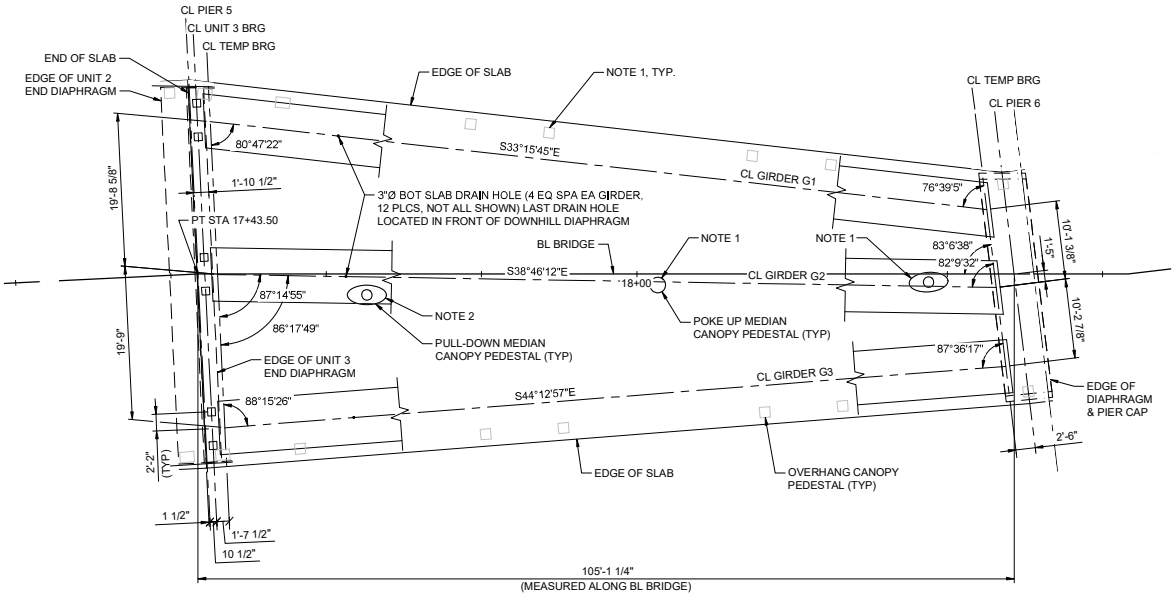
rtEMX-SEX-V01.dwg
rtEMX-SEX-SGP100.dwg
rtEMX-STX-MRY100.dwg
RTS_PH1_Bridge-MDI-1.dwg

08/20/20 | 8:19 PM | ALYSSA.SOLIZ
C:\PROJECTWISE\WEWSEDOM\25910\046-B27-SGP105.DWG

NOTES:

1. FOR ADDITIONAL GIRDER REINFORCEMENT AT PEDESTAL LOCATIONS, SEE GIRDER DETAILS DWG B27-SGD202.
2. NO ADDITIONAL REINFORCEMENT REQUIRED FOR MEDIAN POKE UP CANOPY PEDESTAL.
3. FOR CANOPY PEDESTAL LOCATION SEE LANDSCAPE STRUCTURAL DWGS.



FRAMING PLAN - SPAN 5

SCALE: 1/8" = 1'-0"

DESIGN PACKAGE DP022

IFC SUBMITTAL

No.	DATE	DSN	CHK	APP	REVISION
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

STATE OF WASHINGTON — STEPHANIE J. DESPRADEL — 23660 — PROFESSIONAL ENGINEER
11/05/2019 EXP: 03-15-21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond
SUBMITTAL DATE: 11/04/19

SCALE: 1/8" = 1'-0"
FILENAME: 047-B27-SGP106

RTS PEDESTRIAN BRIDGE

UNIT 3 - FRAMING PLAN
SPAN 5

DRAWING No.: **B27-SGP106**
FACILITY ID: B27
SHEET No.: 47
REV:

RECORD DRAWING #23-2163

XREF LIST:
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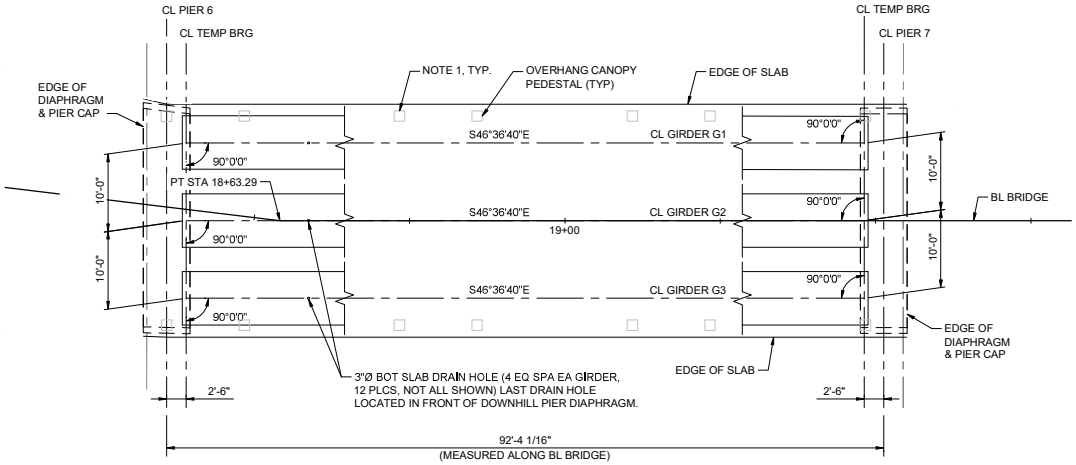
tEMX-SBC-SGD102.dwg
tEMX-SBC-SGP100.dwg
tEMX-SBC-ARP100.dwg

10/31/19 | 4:30 PM | DIETRICH HENDERSON
C:\USERS\DIETRICH.HENDERSON\DOCUMENTS\MICROSOFT_PROGRESS_SET_EXPORT\047-B27-SGP106.DWG

NOTES:

1. FOR PEDESTALS SHOWN GRAYSCALE, NO ADDITIONAL GIRDER REINFORCEMENT IS REQUIRED.
2. FOR CANOPY PEDESTAL LOCATION, SEE LANDSCAPE STRUCTURAL DWGS.



FRAMING PLAN - SPAN 6

SCALE: 1/8" = 1'-0"

DESIGN PACKAGE DP022

IFC SUBMITTAL

No.	DATE	DSN	CHK	APP	REVISION
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

11/05/2019 EXP: 03-15-21

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/19

LINE IS 1" AT FULL SCALE

SCALE: 1/8" = 1'-0"
FILENAME: 048-B27-SGP107

RTS PEDESTRIAN BRIDGE

UNIT 3 - FRAMING PLAN
SPAN 6

DRAWING No.: **B27-SGP107**
FACILITY ID: B27
SHEET No.: 48 REV:

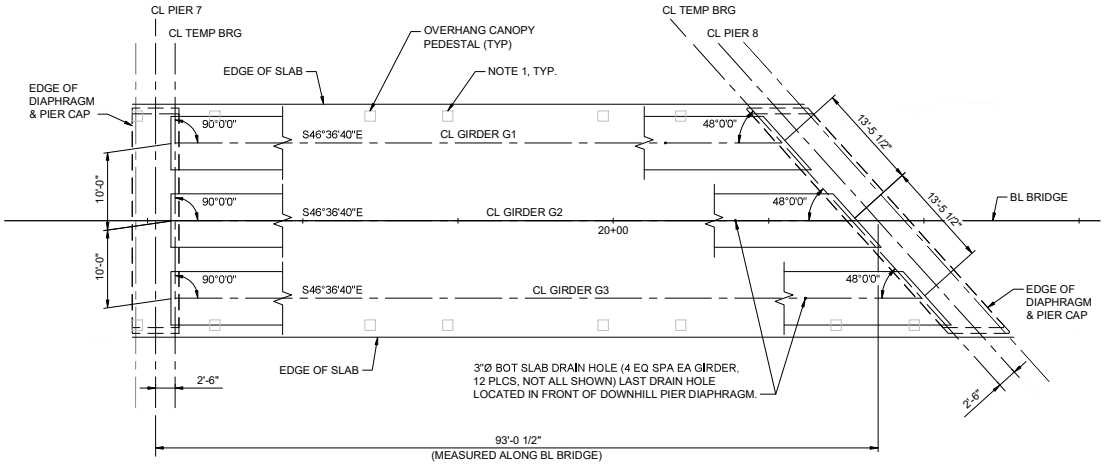
RECORD DRAWING #23-2164

XREF LIST:
sEMX-SBC-FBC034.dwg
sEMX-SBC-SGV102.dwg
sEMX-SBC-SGP105.dwg
sEMX-SBC-ARP100.dwg

10/31/19 | 4:30 PM | DIETRICH HENDERSON
C:\USERS\DIETRICH.HENDERSON\DOCUMENTS\MICROSOFT_PROGRESS_SET_EXPORT\048-B27-SGP107.DWG

NOTES:

1. FOR PEDESTALS SHOWN GRAYSCALE, NO ADDITIONAL GIRDER REINFORCEMENT IS REQUIRED.
2. FOR CANOPY PEDESTAL LOCATION, SEE LANDSCAPE STRUCTURAL DWGS.



FRAMING PLAN - SPAN 7

SCALE: 1/8" = 1'-0"

DESIGN PACKAGE DP022

IFC SUBMITTAL

No.	DATE	DSN	CHK	APP	REVISION
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

STATE OF WASHINGTON — 22660 — STEPHANIE J. DESPRADEL — PROFESSIONAL ENGINEER
11/05/2019 — EXP: 03-15-21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/19

LINE IS 1" AT FULL SCALE

City of Redmond

SCALE: 1/8" = 1'-0"
FILENAME: 049-B27-SGP108

RTS PEDESTRIAN BRIDGE

UNIT 3 - FRAMING PLAN
SPAN 7

DRAWING No.: **B27-SGP108**
FACILITY ID: B27
SHEET No.: 49
REV:

RECORD DRAWING #23-2165

XREF LIST
sEMX-SBC-FBC034.dwg
sEMX-SBC-SGV102.dwg
sEMX-SBC-SGP100.dwg
sEMX-SBC-ARP100.dwg

10/31/19 | 4:30 PM | DIETRICH HENDERSON
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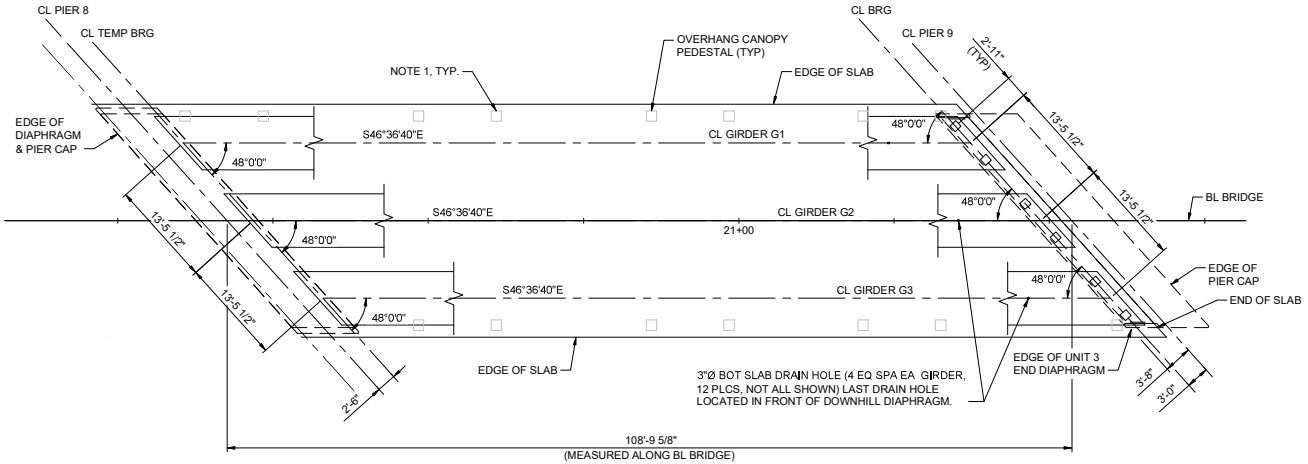
NOTES:

1. FOR PEDESTALS SHOWN GRAYSCALE, NO ADDITIONAL GIRDER REINFORCEMENT IS REQUIRED.
2. FOR CANOPY PEDESTAL LOCATION, SEE LANDSCAPE STRUCTURAL DWGS.



FRAMING PLAN - SPAN 8

SCALE: 1/8" = 1'-0"

DESIGN PACKAGE DP022

IFC SUBMITTAL

No.	DATE	DSN	CHK	APP	REVISION
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

STATE OF WASHINGTON — JAMES J. DESPRADEL — 21600 — PROFESSIONAL ENGINEER
11/05/2019 EXP: 03-15-21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN

Kiewit
DATE: 11/04/19
REVIEWED BY: T. KRAUPA

LINE IS 1" AT FULL SCALE

CityofRedmond
DATE: 11/04/19

SCALE: 1/8" = 1'-0"
FILENAME: 050-B27-SGP109
SUBMITTAL DATE: 11/04/19

RTS PEDESTRIAN BRIDGE

UNIT 3 - FRAMING PLAN
SPAN 8

DRAWING No.: **B27-SGP109**
FACILITY ID: B27
SHEET No.: 50
REV:

RECORD DRAWING #23-2166

XREF LIST:
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tEMX-SBC-SGV100.dwg
tEMX-SBC-SGP100.dwg
tEMX-SBC-ARP100.dwg

10/31/19 | 4:30 PM | DIETRICH.HENDERSON
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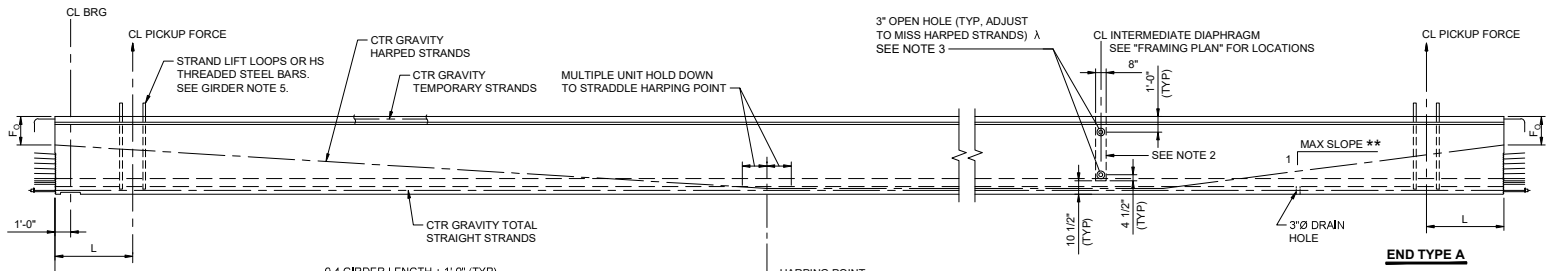


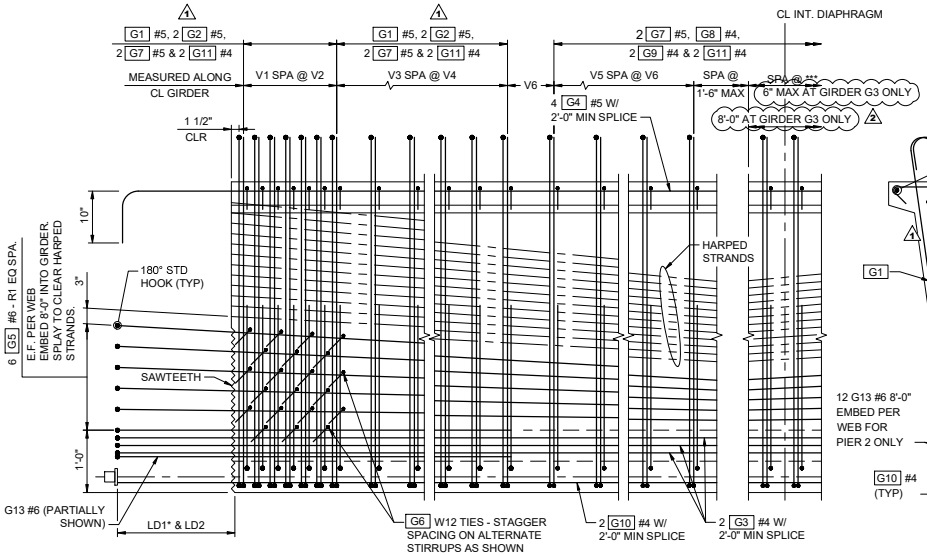
UF60G6 GIRDER ELEVATION

SCALE: 1/4" = 1'-0"

NOTES:

1. SEE DRAWING B27-SGD103 FOR ADDITIONAL NOTES.
2. APPLY APPROVED RETARDANT FOR 1/4" ETCH TO SIDE FORMS OR 1/4" ROUGHENED SURFACE TREATMENT BY APPROVED MECHANICAL METHOD. OMIT AT EXTERIOR FACE OF EXTERIOR GIRDERS.
3. FOR EXTERIOR WEBS OF EXTERIOR GIRDERS USE NO. 5 FORMSAVERS WITH ADDITIONAL WEB REINFORCEMENT (SEE DRAWING B27-SGD101). SEE DRAWING B27-SGP100 FOR LOCATION AND SKEW ANGLES.

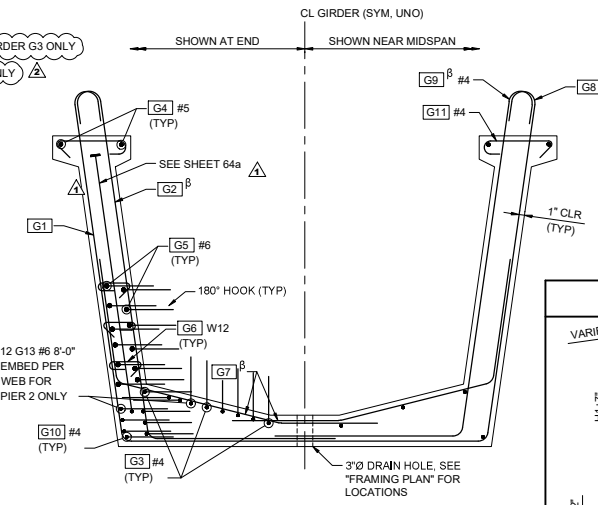
** - 8:1 MAXIMUM SLOPE FOR EACH HARPED STRAND
*** - FOR GIRDER G3, SOUTH WEB ONLY
λ - SEE GIRDER NOTE 9
β - ADJUST BAR POSITION THROUGH STRANDS



*EXTENDED STRANDS AND REINFORCEMENT:
END TYPE A:
20 TOTAL: STRANDS 5 TO 14 AND 47 TO 56
LD1 & LD2: 8" (PIER 1); LD: 1'-5" (PIER 2)

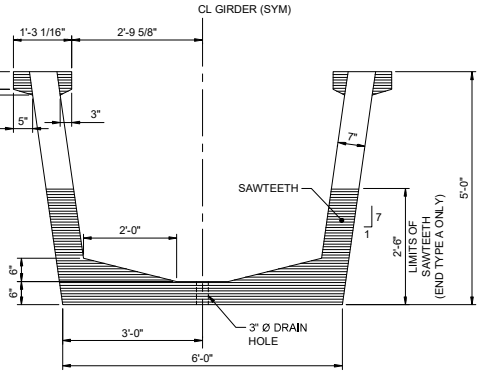
TYPICAL END ELEVATION

SCALE: 1" = 1'-0"



TYPICAL GIRDER SECTION REINFORCEMENT

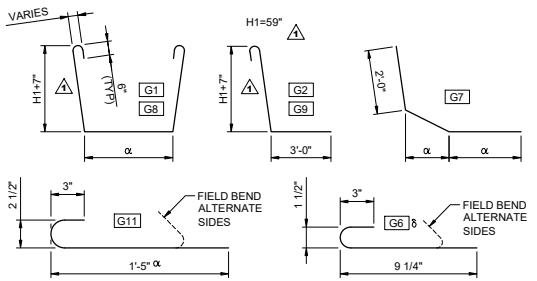
SCALE: 1" = 1'-0"



TYPICAL GIRDER SECTION

SCALE: 3/4" = 1'-0"
(SHOWN AT GIRDER END)

BENDING DIAGRAMS *



* - ALL DIMENSIONS ARE OUT TO OUT.
α - VARIES FOR GIRDER WIDTH AND SKEWED ENDS.
δ - #3 OR #4 MAY BE SUBSTITUTED. FIELD BENDING IS OPTIONAL.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	11/06/20	SJD	KF	SJD	NDC-000046 - INT DIAPHRAGM CLARIFICATION
1	03/06/20	SJD	KF	SJD	NDC-000010 - REVISED UNIT 1 GIRDERS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: R. TUCHSCHERER
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — PROFESSIONAL ENGINEER
11/6/20 EXP: 3/15/21

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: AS NOTED
FILENAME: 051-B27-SGD100

RTS PEDESTRIAN BRIDGE

UNIT 1 - UF60G6 GIRDER DETAILS
SHEET 1 OF 3

DRAWING No.: **B27-SGD100**
FACILITY ID: B27
SHEET No.: 51 REV: 2

RECORD DRAWING #23-2167

10/30/20 | 12:20 PM | ALYSSA.SOLIZ
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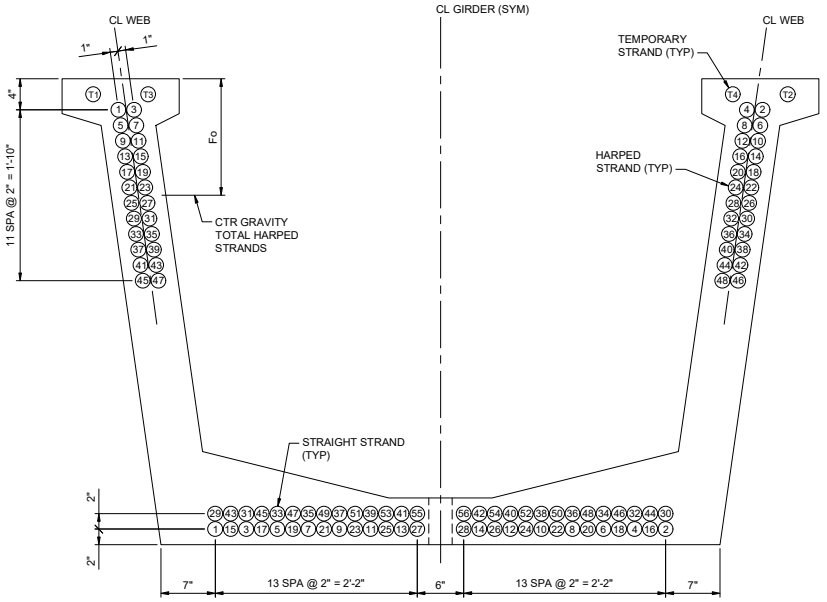
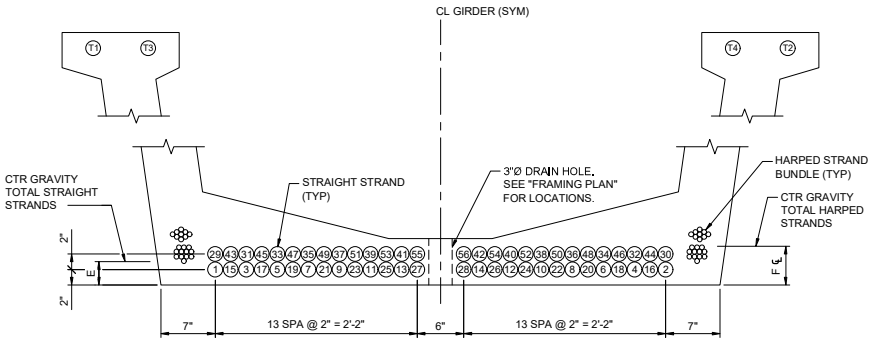


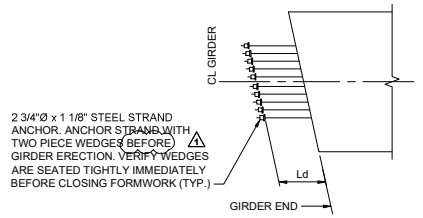
STRAND PATTERN

SCALE: 1 1/2" = 1'-0"
(SHOWN AT GIRDER END)



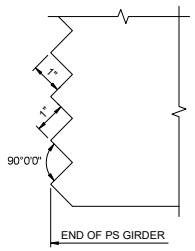
STRAND PATTERN

SCALE: 1 1/2" = 1'-0"
(SHOWN AT MID-SPAN)
(STRAIGHT STRAND LOCATION SEQUENCE SHALL BE SHOWN AS (1), (2) ETC.)



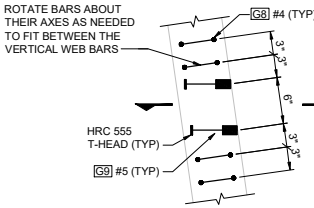
STRAND EXTENSION DETAIL

SCALE: 3/8" = 1'-0"
(ANCHOR STRAND WITH TWO PIECE WEDGES BEFORE GIRDER ERECTION. VERIFY WEDGES ARE SEATED TIGHTLY IMMEDIATELY BEFORE CLOSING FORMWORK. SECURELY TIE ANCHOR TO THE REBAR CAGE TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT



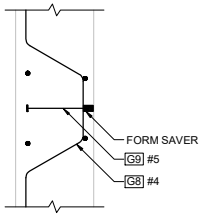
SAWTOOTH DETAILS

SCALE: 6" = 1'-0"
(SAWTEETH ARE FULL WIDTH - USE SAWTOOTH KEYS FROM BOTTOM OF BOTTOM FLANGE TO BOTTOM OF LOWEST HARPED STRAND AS WELL AS TOP FLANGE ADJACENT TO HARPED STRAND.)



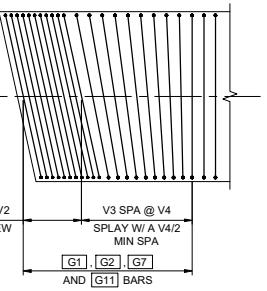
END DIAPHRAGM ANCHORAGE DETAIL (WEB CROSS SECTION)

NTS
(EXTERIOR GIRDER INTERMEDIATE DIAPHRAGM SUPPLEMENTARY REINFORCING)



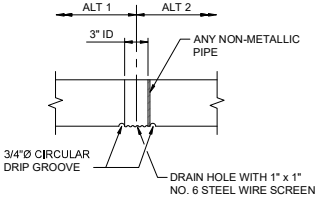
SECTION A (PLAN)

NTS



TRANSVERSE REINFORCING @ SKEWED ENDS

SCALE: 3/8" = 1'-0"
(LENGTH OF G1 AND G7 VARY WITH SKEW. ONLY TRANSVERSE REINFORCEMENT SHOWN)



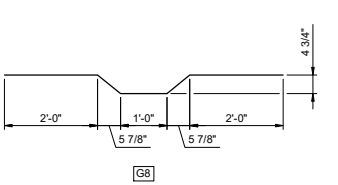
DRAIN HOLE DETAIL

SCALE: 1 1/2" = 1'-0"
(SHOWN AT BOTTOM SLAB)

NOTES:

1. FOR LOCATION OF INTERMEDIATE DIAPHRAGMS, SEE DRAWINGS B27-SGP100 THROUGH B27-SGP109.
2. FOR LOCATION OF 3"Ø DRAIN HOLES, SEE DRAWINGS B27-SGP100 THROUGH B27-SGP109.

BENDING DIAGRAMS



DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	03/06/20	SJD	KF	SJD	NDC-000010 - REVISED UNIT 1 GIRDERS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: R. TUCHSCHERER
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — PROFESSIONAL ENGINEER
3/6/20 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY:	DATE:	REVIEWED BY:	DATE:	SUBMITTAL DATE:
G. OWEN	11/04/19	T. KRAUPA	11/04/19	11/04/19

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 052-B27-SGD101

RTS PEDESTRIAN BRIDGE

UNIT 1 - UF60G6 GIRDER DETAILS
SHEET 2 OF 3

DRAWING No.: B27-SGD101
FACILITY ID: B27
SHEET No.: 52
REV: 1

RECORD DRAWING #23-2168

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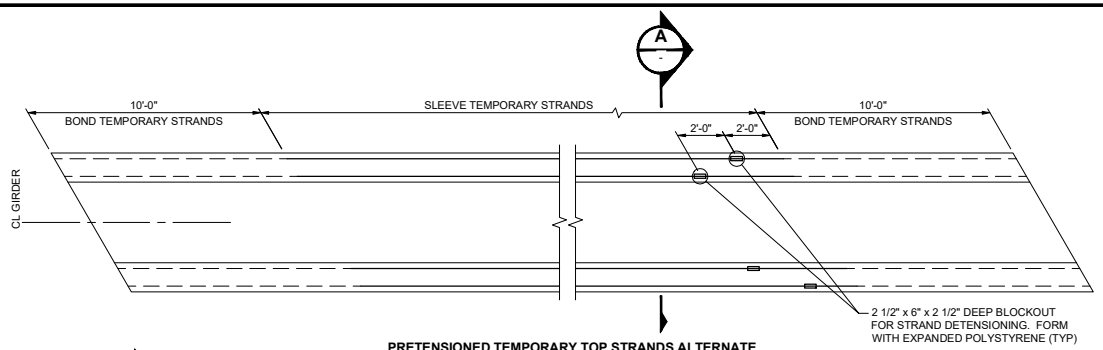
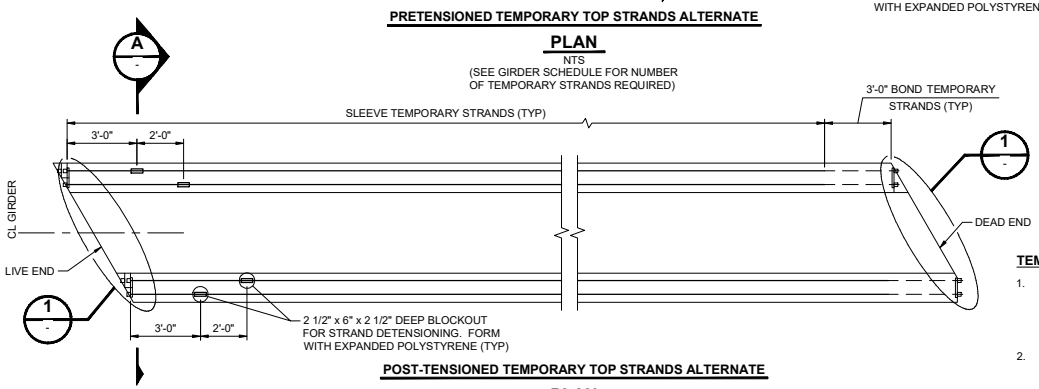


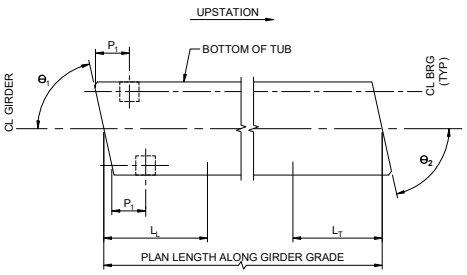
PRETENSIONED TEMPORARY TOP STRANDS ALTERNATE

PLAN
NTS
(SEE GIRDER SCHEDULE FOR NUMBER OF TEMPORARY STRANDS REQUIRED)

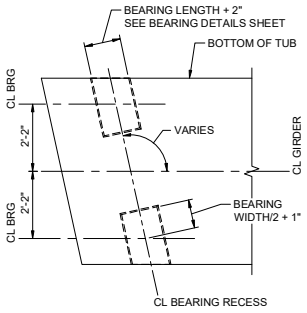


POST-TENSIONED TEMPORARY TOP STRANDS ALTERNATE

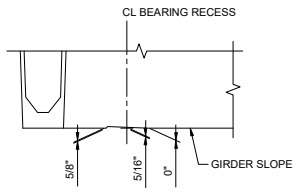
PLAN
NTS
(SEE GIRDER SCHEDULE FOR NUMBER OF TEMPORARY STRANDS REQUIRED)



GIRDER SCHEDULE LEGEND
SCALE: 1/4" = 1'-0"
(L_L AND L_T ARE SHIPPING SUPPORT LOCATIONS AT LEAD AND TRAILING ENDS, RESPECTIVELY)



PLAN

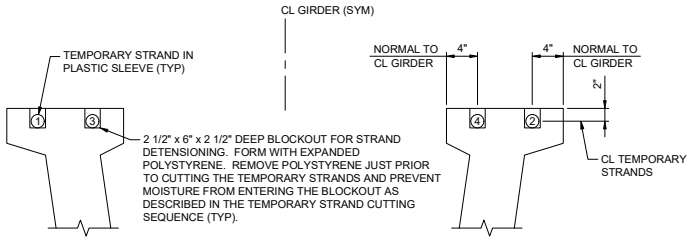


ELEVATION

BEARING RECESS DETAIL
SCALE: 3/8" = 1'-0"

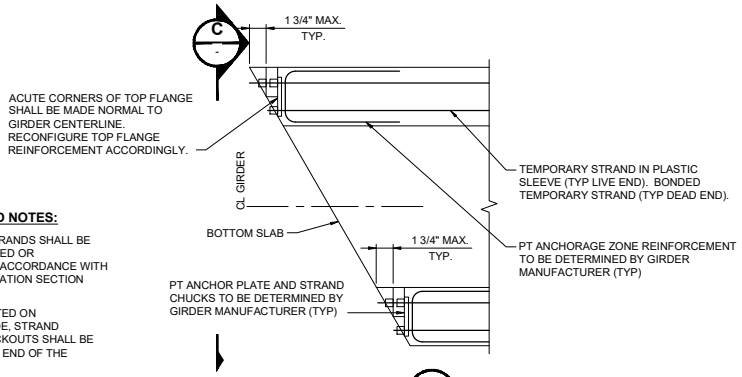
TEMPORARY STRAND NOTES:

1. TEMPORARY TOP STRANDS SHALL BE EITHER PRETENSIONED OR POST-TENSIONED IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 6-02.3(25)L.
2. FOR GIRDERS ERECTED ON LONGITUDINAL GRADE, STRAND DETENSIONING BLOCKOUTS SHALL BE PLACED AT THE LOW END OF THE GIRDER.
3. SEE "TEMPORARY STRAND CUTTING SEQUENCE" ON CONSTRUCTION SEQUENCE SHEET FOR TEMPORARY STRAND DETENSIONING PROCEDURE.

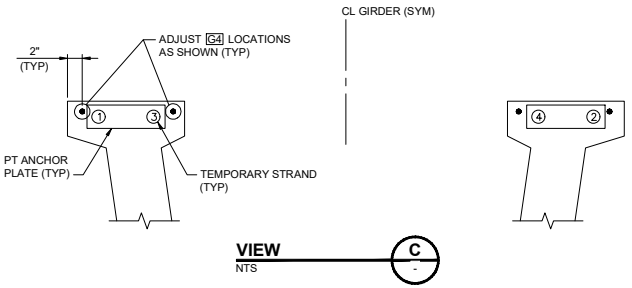


SECTION A
NTS

(TEMPORARY STRAND LOCATION SEQUENCE SHALL BE SHOWN AS 1, 2 ETC.)



DETAIL 1
NTS
(LIVE END SHOWN, DEAD END SIMILAR)



VIEW C
NTS

DESIGN PACKAGE DP022

IFC SUBMITTAL

No.	DATE	DSN	CHK	APP	REVISION
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
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APPROVED BY: S. DESPRADEL

STATE OF WASHINGTON — JAMES J. DESPRADEL — PROFESSIONAL ENGINEER
11/05/2019 EXP: 03-15-21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN

Kiewit
DATE: 11/04/19
REVIEWED BY: T. KRAUPA

LINE IS 1" AT FULL SCALE

CityofRedmond
DATE: 11/04/19

SCALE: NTS
FILENAME: 053-B27-SGD102
SUBMITTAL DATE: 11/04/19

RTS PEDESTRIAN BRIDGE

UNIT 1 - UF60G6 GIRDER DETAILS
SHEET 3 OF 3

DRAWING No.: **B27-SGD102**
FACILITY ID: B27
SHEET No.: 53
REV:

RECORD DRAWING #23-2169

10/31/19 | 4:39 PM | DIETRICH HENDERSON
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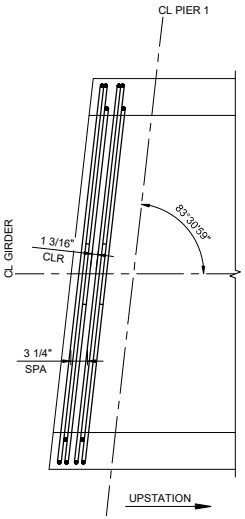
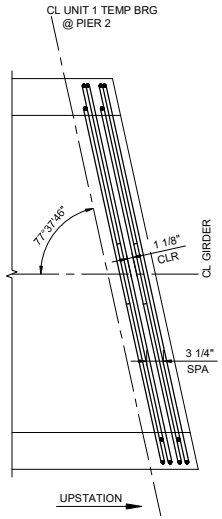
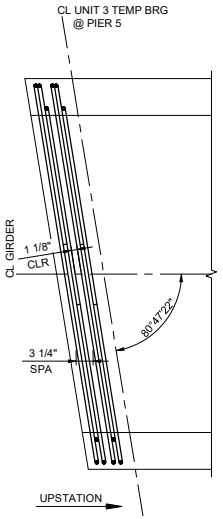


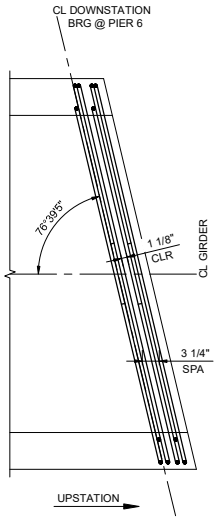
UNIT 1 - PIER 1 - GREATEST SKEW
USING #5 BARS IN 3 PLANES
SCALE: 1" = 1'-0"



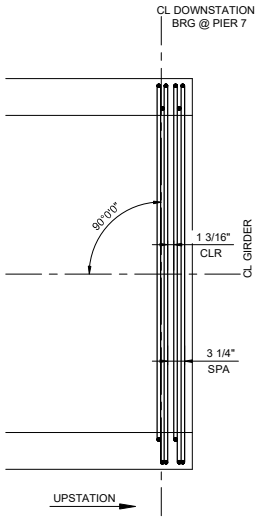
UNIT 1 - PIER 2 - GREATEST SKEW
USING #5 BARS IN 3 PLANES
SCALE: 1" = 1'-0"



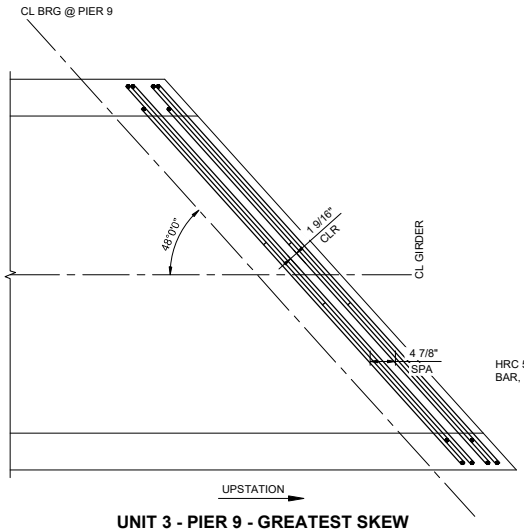
UNIT 3 - PIER 5 - GREATEST SKEW
USING #5 BARS IN 3 PLANES
SCALE: 1" = 1'-0"



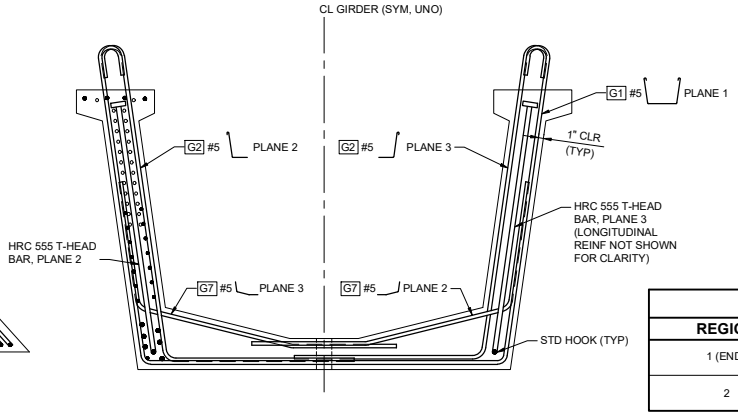
UNIT 3 - PIER 6 - GREATEST SKEW
USING #5 BARS IN 3 PLANES
SCALE: 1" = 1'-0"



UNIT 3 - PIER 7 - NO SKEW
USING #5 BARS IN 3 PLANES
SCALE: 1" = 1'-0"
(TYPICAL AT PIER 6 & 7)



UNIT 3 - PIER 9 - GREATEST SKEW
USING #5 BARS IN 3 PLANES
SCALE: 1" = 1'-0"
(TYPICAL AT PIER 8 & 9)



TYPICAL GIRDER SECTION REINFORCEMENT
SCALE: 1" = 1'-0"
(NOT ALL REINFORCEMENT SHOWN FOR CLARITY)

NOTES:

1. DOUBLE LINE REBAR IS DRAWN TO THE ACTUAL SIZE.

TUB GIRDER WEB STIRRUPS

REGION	LOCATION	REINF/WEB	MAX SPACING "S"
1 (END)	SPAN 7, SPAN 8	G1 #5 LEG + G2 #5 LEG + #6 T-HEAD	0'-4 7/8"
	ALL OTHER	G1 #5 LEG + G2 #5 LEG + #5 T-HEAD	0'-3 1/4"
2	SPAN 7, SPAN 8	G1 #5 LEG + G2 #5 LEG + #6 T-HEAD	0'-4 7/8"
	ALL OTHER	G1 #5 LEG + G2 #5 LEG + #5 T-HEAD	0'-4 1/4"

△1 NEW DRAWING

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	04/01/20	SJD	KF	SJD	NDC-00014 - REVISED PER FDC-000050
0	03/06/20	SJD	KF	SJD	NDC-00010 - REVISED UNIT 3 GIRDERS

DESIGNED BY: S. DESPRADEL
DRAWN BY: D. HENDERSON
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

4-1-2020 EXP. 3-15-2021

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19
Kiewit
REVIEWED BY: T. KRAUPA | DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: 1" = 1'-0"
FILENAME: 53A-B27-SGD102A
SUBMITTAL DATE: 11/04/19

RTS PEDESTRIAN BRIDGE

UNIT 1 & UNIT 3 TUB GIRDER
END REGION DETAILS

DRAWING No.: **B27-SGD102a**
FACILITY ID: B27
SHEET No.: 53a
REV: 1

RECORD DRAWING #23-2170

04/01/20 | 10:15 AM | ALYSSA.SOLIZ
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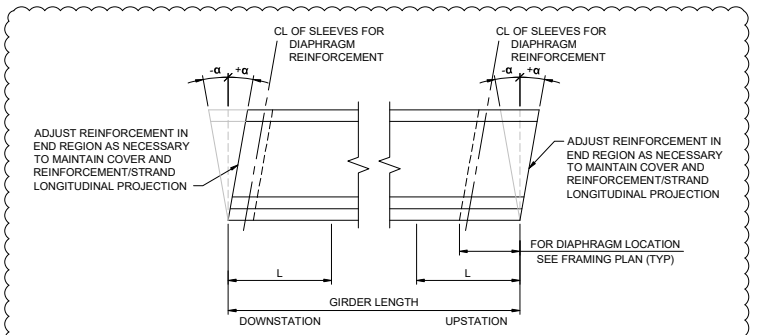
GIRDER SCHEDULE

SPAN	GIRDER	GIRDER SERIES	PLAN LENGTH (ALONG GIRDER GRADE) (SEE GIRDER NOTE 1)	GIRDER END DETAILS							MIN CONC COMP STRENGTH		NUMBER OF STRANDS (SEE GIRDER NOTE 2)			LOCATION OF C.G. STRANDS			"A" DIMENSION AT ℄ BEARINGS	DECK SCREED CAMBER C	MIDSPAN VERTICAL DEFLECTION D	REINFORCEMENT DETAILS							SHIPPING AND HANDLING DETAILS					GIRDER END DETAILS	
				END 1 TYPE	END 2 TYPE	L_d	Θ_1	Θ_2	P_1	P_2	@ 28 DAYS F'C (KSI)	@ RELEASE F'CI (KSI)	STRAIGHT	HARPED	TEMPORARY	E	F℄	Fo			UPPER BOUND @ 120 DAYS	V1	V2	V3	V4	V5	V6	H1	L	L_L	L_T	K_Θ MINIMUM SHIPPING SUPPORT ROTATIONAL SPRING CONSTANT	W_{CC} MINIMUM SHIPPING SUPPORT CTR-TO-CTR WHEEL SPACING	D/S α (DEG)	U/S α (DEG)
1	G1	UF60G6	116'-11"	A	A	*	96.48	86.11	1'-0"	-	10.0	7.5	56	36	4	3.0"	5.0"	22.0"	**	**	**	12	3.25"	10	4.25"	6	9"	5'-0"	3'-0"	5'-0"	5'-0"	40,000 KIP-IN/RAD	6'-0"	2.13	2.61
	G2	UF60G6	119'-8 1/8"	A	A	*	92.13	81.76	1'-0"	-	10.0	7.5	56	36	4	3.0"	5.0"	22.0"	**	**	**	12	3.25"	10	4.25"	6	9"	5'-0"	3'-0"	5'-0"	5'-0"	40,000 KIP-IN/RAD	6'-0"	2.14	2.61
	G3	UF60G6	123'-1 1/8"	A	A	*	88.00	77.63	1'-0"	-	10.0	7.5	56	36	4	3.0"	5.0"	22.0"	**	**	**	12	3.25"	10	4.25"	6	9"	5'-0"	3'-0"	5'-0"	5'-0"	40,000 KIP-IN/RAD	6'-0"	2.16	2.61

* SEE STANDARD EXTENSION DETAIL ON B27-SGD101 FOR VALUES
** SEE GIRDER CAMBER TABLE ON SHEET B27-SGD103a

GIRDER NOTES:

1. PLAN LENGTH SHALL BE INCREASED AS NECESSARY TO COMPENSATE FOR SHORTENING DUE TO PRESTRESS AND SHRINKAGE.
2. ALL PRETENSIONED AND TEMPORARY STRANDS SHALL BE 0.6"Ø AASHTO M203 GRADE 270 LOW RELAXATION STRANDS, JACKED TO 202.5 KSI.
3. CUT ALL STRANDS FLUSH WITH THE GIRDER ENDS AND PAINT WITH AN APPROVED EPOXY RESIN, EXCEPT FOR EXTENDED STRANDS AS SHOWN.
4. THE TOP SURFACE OF THE GIRDER FLANGE SHALL BE ROUGHENED IN ACCORDANCE WITH SECTION 6-02.3(25)H OF THE STANDARD SPECIFICATIONS.
5. LIFTING EMBEDMENTS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 6-02.3(25)L OF THE STANDARD SPECIFICATIONS. IF REQUIRED BY THE TEMPORARY WORKS PACKAGE.
6. CAUTION SHALL BE EXERCISED IN HANDLING AND PLACING GIRDERS. ALL GIRDERS SHALL BE CHECKED BY THE CONTRACTOR TO ENSURE THAT THEY ARE BRACED ADEQUATELY TO PREVENT TIPPING AND TO CONTROL LATERAL BENDING DURING SHIPPING. ONCE ERECTED, ALL GIRDERS SHALL BE BRACED LATERALLY TO PREVENT TIPPING UNTIL THE DIAPHRAGMS ARE CAST AND CURED.
7. FORMS FOR BEARING PAD RECESSES SHALL BE CONSTRUCTED AND FASTENED IN SUCH A MANNER AS TO NOT CAUSE DAMAGE TO THE GIRDER DURING THE STRAND RELEASE OPERATION.
8. TEMPORARY TOP STRANDS SHALL BE EITHER PRETENSIONED OR POST-TENSIONED IN ACCORDANCE WITH SECTION 6-02.3(25)L OF THE STANDARD SPECIFICATIONS AND THE GIRDER DETAILS SHEETS. THE LIFTING LOCATION 'L' AND CONCRETE RELEASE STRENGTH 'F'CI' SHOWN IN THE GIRDER SCHEDULE ASSUME THAT THE TEMPORARY TOP STRANDS ARE PRETENSIONED. ALTERNATIVELY, POST-TENSIONED TEMPORARY TOP STRANDS MAY BE USED IF THE LIFTING POINTS IN THE GIRDER SCHEDULE ARE MAINTAINED AND THE STRANDS ARE STRESSED PRIOR TO LIFTING THE GIRDER FROM THE FORM.
9. FOR DIAPHRAGMS, OMIT HOLES AND PLACE INSERTS ON THE INTERIOR FACE OF THE EXTERIOR WEB OF EXTERIOR GIRDERS UNLESS NOTED OTHERWISE. PLACE HOLES AND INSERTS PARALLEL TO SKEW.



GIRDER END DETAIL
NTS

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	04/01/20	SJD	KF	SJD	NDC-000014 - REVISED GIRDER END SLOPES
1	03/06/20	SJD	KF	SJD	NDC-000010 - REVISED UNIT 1 GIRDERS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: R. TUCHSCHERER
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — PROFESSIONAL ENGINEER
4-1-2020 — 5-15-2021

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 10/04/19

Kiewit
REVIEWED BY: T. KRAUPA
DATE: 10/04/19

LINE IS 1" AT FULL SCALE

City of Redmond
SCALE: NTS
FILENAME: 054-B27-SGD103
SUBMITTAL DATE: 10/04/19

RTS PEDESTRIAN BRIDGE

UNIT 1 - UF60G6 GIRDER SCHEDULE & NOTES

DRAWING No.: B27-SGD103
FACILITY ID: B27
SHEET No.: 54
REV: 2

RECORD DRAWING #23-2171

XREF LIST:
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04/01/20 | 10:18 AM | ALYSSA.SOLIZ
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UNIT 1 GIRDER CAMBER TABLE

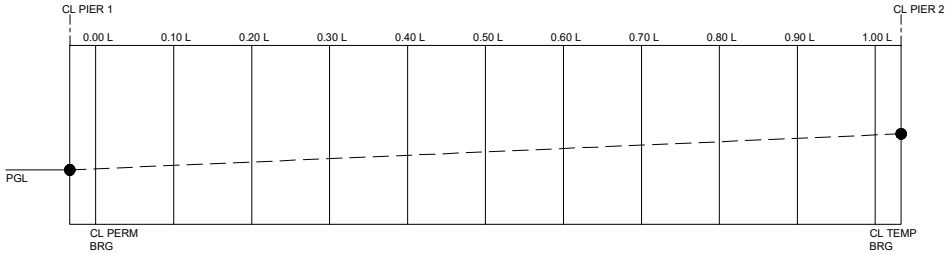
GIRDER 1		SPAN 1										
BEARING TYPE		CL PERM BRG	-	-	-	-	-	-	-	-	-	CL TEMP BRG
10TH POINTS		0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
LOCATION ON GIRDER (FT)		0.00	11.51	23.01	34.52	46.02	57.53	69.04	80.54	92.05	103.55	115.06
"D" Δ.PRIOR TO DECK POUR (IN) (+ UPWARDS)		0.07	1.25	2.23	2.98	3.46	3.60	3.42	2.90	2.13	1.14	-0.04
"C" Δ.DEFLECTION YET TO OCCUR (IN) (+ UPWARDS)		-0.14	-1.73	-3.15	-4.27	-5.00	-5.30	-5.11	-4.46	-3.38	-1.95	-0.31
"A" (IN)		10.50	-	-	-	-	-	-	-	-	-	12.00
LEFT WEB	LEFT HAUNCH (IN)	1.05	2.10	3.24	4.30	5.25	6.09	6.78	7.34	7.72	5.93	1.34
	RIGHT HAUNCH (IN)	1.12	2.18	3.32	4.38	5.33	6.17	6.86	7.41	7.80	6.29	1.66
RIGHT WEB	LEFT HAUNCH (IN)	1.43	2.53	3.66	4.72	5.67	6.51	7.21	7.76	8.15	7.73	2.68
	RIGHT HAUNCH (IN)	1.50	2.61	3.74	4.80	5.75	6.59	7.29	7.84	8.22	7.85	3.00

GIRDER 2		SPAN 1										
BEARING TYPE		CL PERM BRG	-	-	-	-	-	-	-	-	-	CL TEMP BRG
10TH POINTS		0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
LOCATION ON GIRDER (FT)		0.00	11.78	23.56	35.34	47.12	58.90	70.68	82.47	94.25	106.03	117.81
"D" Δ.PRIOR TO DECK POUR (IN) (+ UPWARDS)		0.09	1.26	2.23	2.96	3.43	3.57	3.38	2.87	2.11	1.14	-0.03
"C" Δ.DEFLECTION YET TO OCCUR (IN) (+ UPWARDS)		-0.04	-1.65	-3.10	-4.26	-5.01	-5.31	-5.12	-4.46	-3.37	-1.92	-0.25
"A" (IN)		10.25	-	-	-	-	-	-	-	-	-	12.25
LEFT WEB	LEFT HAUNCH (IN)	1.10	1.96	2.85	3.66	4.35	4.91	5.31	5.56	5.63	4.95	1.45
	RIGHT HAUNCH (IN)	1.12	1.99	2.87	3.69	4.38	4.94	5.34	5.59	5.66	4.95	1.72
RIGHT WEB	LEFT HAUNCH (IN)	1.23	2.10	2.99	3.80	4.49	5.05	5.45	5.70	5.77	5.07	3.10
	RIGHT HAUNCH (IN)	1.25	2.13	3.01	3.83	4.52	5.08	5.48	5.73	5.80	5.19	3.25

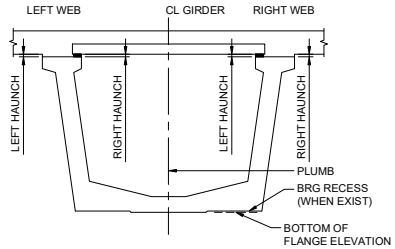
GIRDER 3		SPAN 1										
BEARING TYPE		CL PERM BRG	-	-	-	-	-	-	-	-	-	CL TEMP BRG
10TH POINTS		0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
LOCATION ON GIRDER (FT)		0.00	12.12	24.24	36.36	48.48	60.60	72.72	84.84	96.96	109.08	121.20
"D" Δ.PRIOR TO DECK POUR (IN) (+ UPWARDS)		0.09	1.26	2.23	2.96	3.43	3.57	3.38	2.87	2.11	1.14	-0.03
"C" Δ.DEFLECTION YET TO OCCUR (IN) (+ UPWARDS)		-0.04	-1.65	-3.10	-4.26	-5.01	-5.31	-5.12	-4.46	-3.37	-1.92	-0.25
"A" (IN)		10.25	-	-	-	-	-	-	-	-	-	11.75
LEFT WEB	LEFT HAUNCH (IN)	1.10	1.95	2.75	3.47	4.06	4.53	4.84	4.99	4.97	3.96	2.75
	RIGHT HAUNCH (IN)	1.12	1.93	2.72	3.45	4.04	4.51	4.82	4.97	4.95	3.96	2.49
RIGHT WEB	LEFT HAUNCH (IN)	1.22	1.82	2.62	3.34	3.93	4.40	4.71	4.86	4.84	3.48	1.37
	RIGHT HAUNCH (IN)	1.25	1.80	2.59	3.31	3.91	4.38	4.68	4.84	4.81	3.24	1.10

BOTTOM OF GIRDER ELEV AT CL BEARING

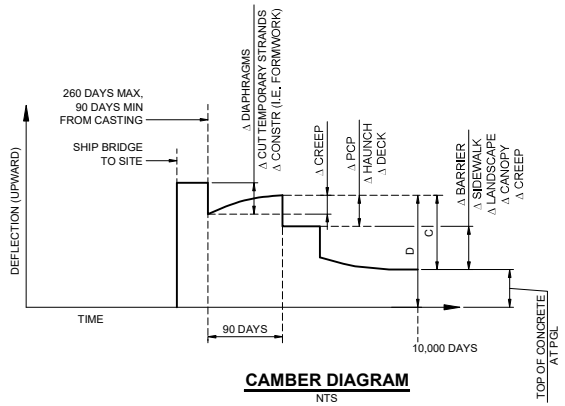
	PIER 1	PIER 2
	CL PERM BRG	CL TEMP BRG
	UPSTATION	DOWNSTATION
G1 LT BRG	380.039	384.662
G1 RT BRG	380.019	384.673
G2 LT BRG	380.032	385.053
G2 RT BRG	380.025	385.080
G3 LT BRG	380.025	385.281
G3 RT BRG	380.032	385.323
G4 BRG	-	385.323



ELEVATION: UNIT 1 GIRDER CAMBER LOCATIONS
NTS



HAUNCH LOCATIONS
SCALE: 1/2" = 1'-0"



CAMBER DIAGRAM
NTS

DESIGN PACKAGE DP022

IFC SUBMITTAL

No.	DATE	DSN	CHK	APP	REVISION
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: R. TUCHSCHERER
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — 22800 — PROFESSIONAL ENGINEER
11/05/2019 EXP: 03-15-21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN

Kiewit
DATE: 11/04/19
REVIEWED BY: T. KRAUPA

LINE IS 1" AT FULL SCALE

CityofRedmond
DATE: 11/04/19

SCALE: NTS
FILENAME: 054A-B27-SGD103A
SUBMITTAL DATE: 11/04/19

RTS PEDESTRIAN BRIDGE

UNIT 1 - UF60G6 GIRDER CAMBER DATA

DRAWING No.: B27-SGD103a
FACILITY ID: B27
SHEET No.: 54a
REV:

RECORD DRAWING #23-2172

10/31/19 | 4:51 PM | DIETRICH HENDERSON
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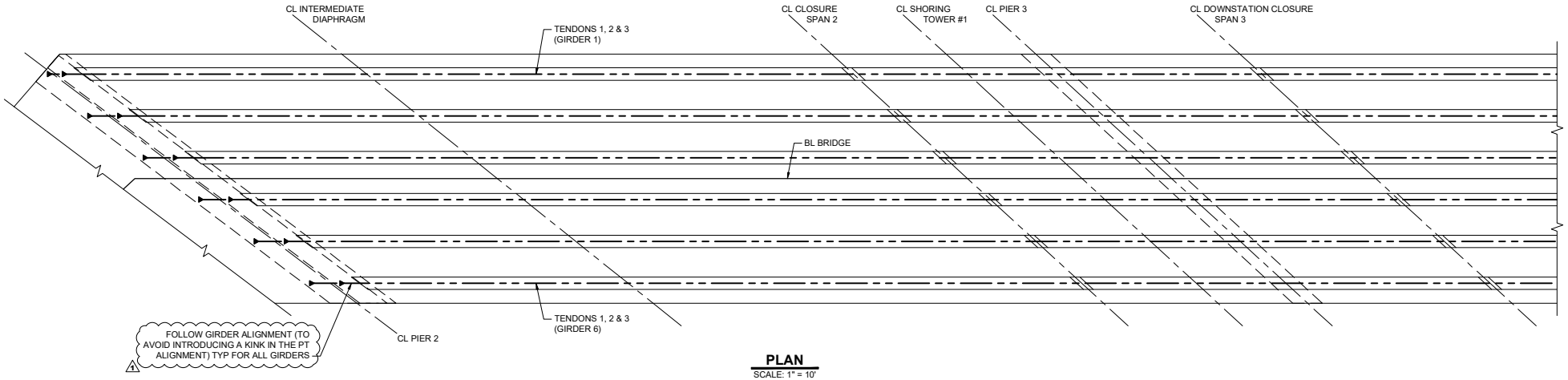
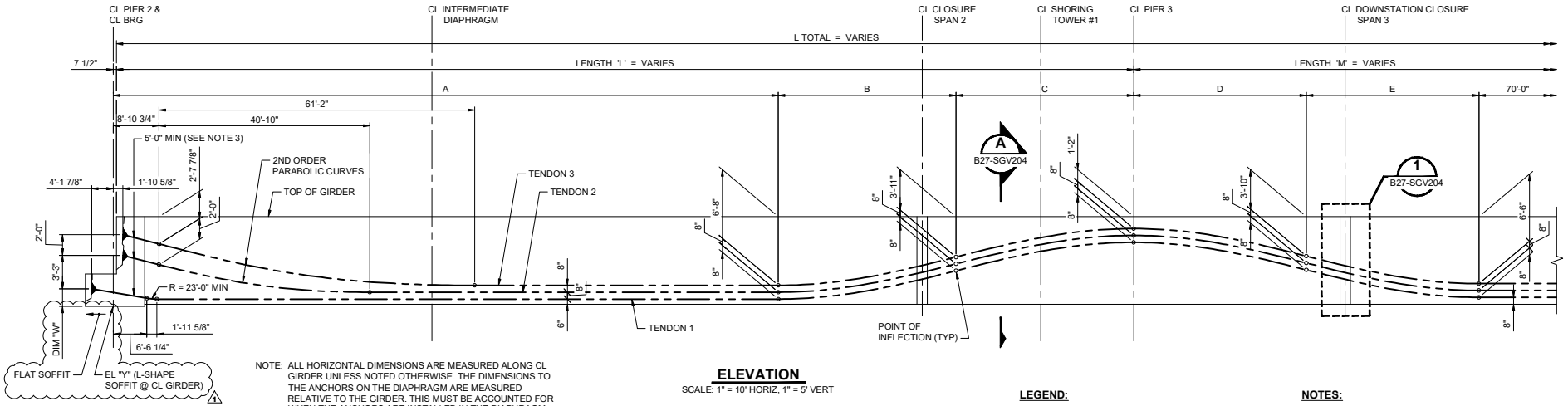


PLAN
SCALE: 1" = 10'



ELEVATION
SCALE: 1" = 10' HORIZ, 1" = 5' VERT

NOTE: ALL HORIZONTAL DIMENSIONS ARE MEASURED ALONG CL GIRDER UNLESS NOTED OTHERWISE. THE DIMENSIONS TO THE ANCHORS ON THE DIAPHRAGM ARE MEASURED RELATIVE TO THE GIRDER. THIS MUST BE ACCOUNTED FOR WHEN THE ANCHORS ARE INSTALLED IN THE DIAPHRAGM TO AVOID A KINK IN THE DUCT AT THE INTERFACE BETWEEN THE DIAPHRAGM AND THE GIRDERS.

DIM "W"	G1	G2	G3	G4	G5	G6
GIRDER SEGMENT A	1'-5 5/8"	1'-6 5/8"	1'-6 9/16"	1'-6 5/8"	1'-6 1/4"	1'-6 5/8"

LEGEND:

- STRESSING ANCHORAGE
- NON-STRESSING ANCHORAGE
- INDICATES POINT OF INTERSECTION, POINT OF TANGENT OR POINT OF CURVE

NOTES:

1. FOR LONGITUDINAL TENDON DIMENSIONS, SEE DRAWING B27-SGV203.
2. FOR POST-TENSIONING NOTES, SEE DRAWING B27-SGV204.
3. 5'-0" MIN TANGENT MEASURED FROM NOSE OF ANCHOR TO BEGINNING OF CURVE.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	10/28/20	SJD	KF	SJD	NDC-000042 - PT LAYOUT
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: R. TUCHSCHERER
APPROVED BY: S. DESPRADEL

10/28/20 EXP. 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

City of Redmond

SCALE: AS NOTED
FILENAME: 055-B27-SGV200
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER
PT LAYOUT SHEET 1 OF 2

DRAWING No.: B27-SGV200
FACILITY ID: B27
SHEET No.: 55
REV: 1

RECORD DRAWING #23-2173

10/27/20 | 7:01 PM | ALYSSA.SOLIZ
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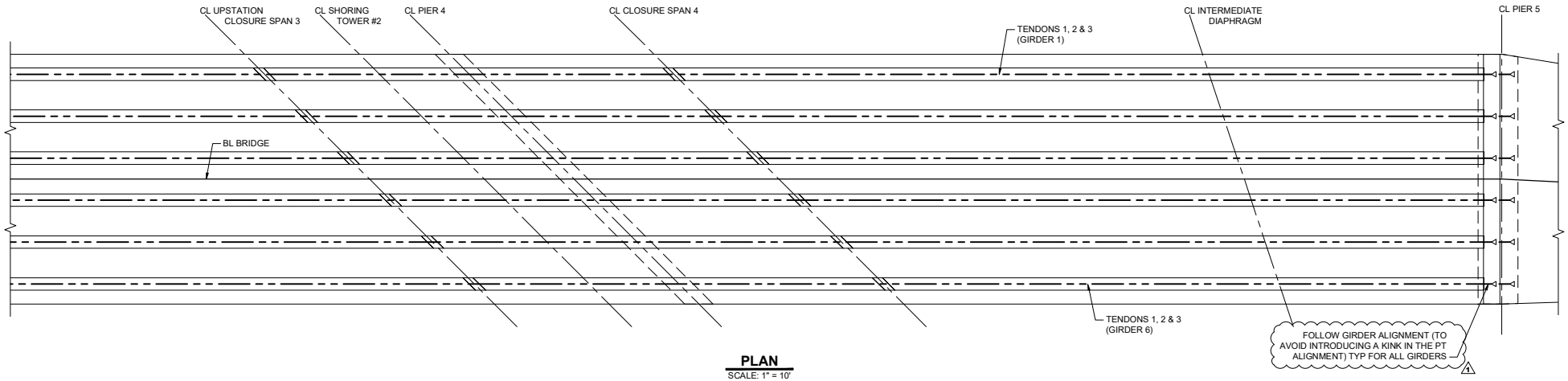
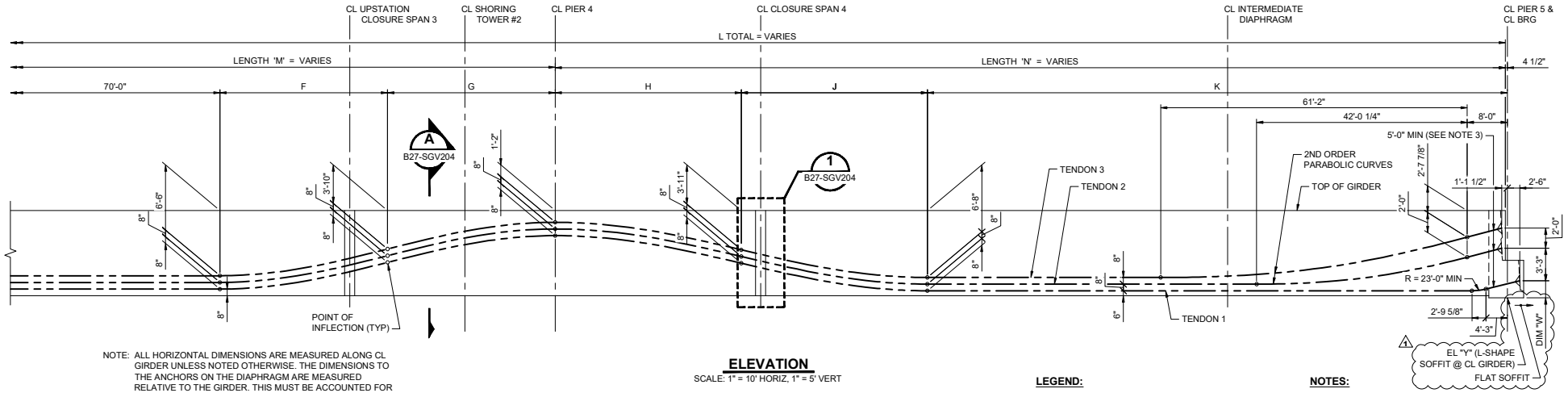


PLAN
SCALE: 1" = 10'



ELEVATION
SCALE: 1" = 10' HORIZ, 1" = 5' VERT

NOTE: ALL HORIZONTAL DIMENSIONS ARE MEASURED ALONG CL GIRDER UNLESS NOTED OTHERWISE. THE DIMENSIONS TO THE ANCHORS ON THE DIAPHRAGM ARE MEASURED RELATIVE TO THE GIRDER. THIS MUST BE ACCOUNTED FOR WHEN THE ANCHORS ARE INSTALLED IN THE DIAPHRAGM TO AVOID A KINK IN THE DUCT AT THE INTERFACE BETWEEN THE DIAPHRAGM AND THE GIRDERS.

DIM "W"	G1	G2	G3	G4	G5	G6
GIRDER SEGMENT E	1'-6 3/8"	1'-6 13/16"	1'-6 3/8"	1'-6 1/4"	1'-6 7/16"	1'-6 11/16"

1

LEGEND:

- STRESSING ANCHORAGE
- NON-STRESSING ANCHORAGE
- INDICATES POINT OF INTERSECTION, POINT OF TANGENT OR POINT OF CURVE

NOTES:

1. FOR LONGITUDINAL TENDON DIMENSIONS, SEE DRAWING B27-SGV203.
2. FOR POST-TENSIONING NOTES, SEE DRAWING B27-SGV204.
3. 5'-0" MIN TANGENT MEASURED FROM NOSE OF ANCHOR TO BEGINNING OF CURVE.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	10/28/20	SJD	KF	SJD	NDC-000042 - PT LAYOUT
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: R. TUCHSCHERER
APPROVED BY: S. DESPRADEL

10/28/20 EXP: 3/15/21

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 056-B27-SGV201

RTS PEDESTRIAN BRIDGE

UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER
PT LAYOUT SHEET 2 OF 2

DRAWING No.: **B27-SGV201**
FACILITY ID: B27
SHEET No.: 56 REV: 1

RECORD DRAWING #23-2174

10/27/20 | 7:03 PM | ALYSSA.SOLIZ
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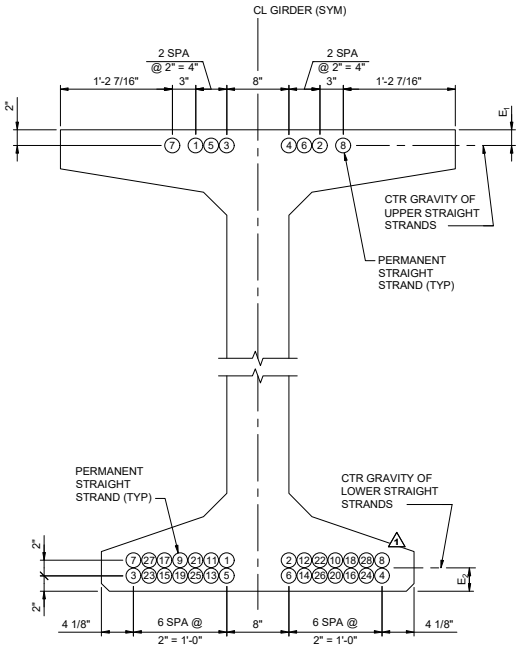
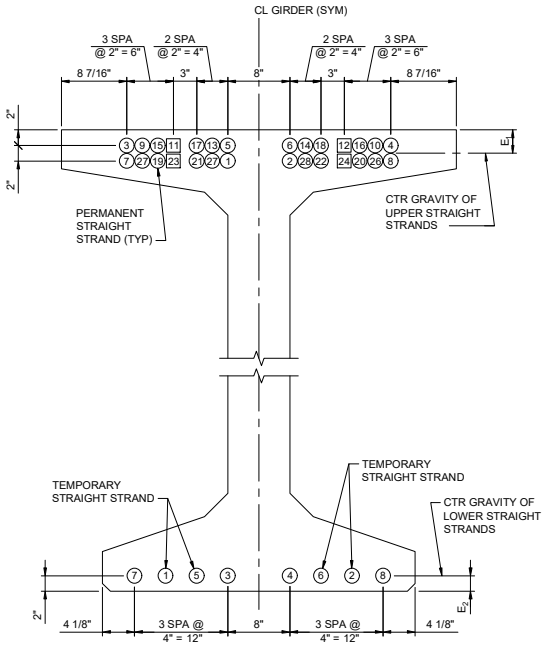


STRAND PATTERN

SCALE: 1 1/2" = 1'-0"
GIRDER SEGMENTS A, C & E



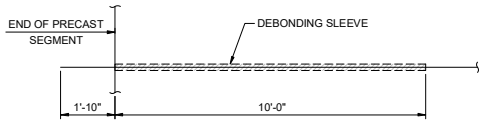
STRAND PATTERN

SCALE: 1 1/2" = 1'-0"
GIRDER SEGMENTS B & D

☐ - INDICATES DEBONDED TOP STRAND

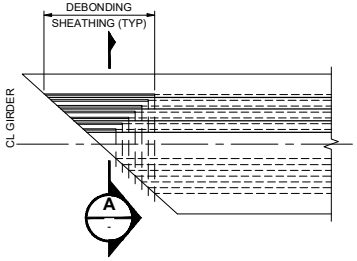
PRE-TENSIONING NOTES:

1. CUT ALL STRANDS FLUSH WITH THE GIRDER ENDS AND PAINT WITH AN APPROVED EPOXY RESIN, EXCEPT FOR EXTENDED STRANDS AS SHOWN.
2. EXTENDED STRANDS ARE PARALLEL TO GIRDER.
3. LIFTING EMBEDMENTS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 6-02.3(25)L OF THE STANDARD SPECIFICATIONS. CONTRACTOR TO DESIGN OTHER LIFTING MECHANISM IF THE GIRDER SECTION WEIGHT EXCEEDS 200 KIPS.
4. EXTRA CAUTION MUST BE EXERCISED IN HANDLING AND PLACING ALL GIRDERS. ALL GIRDERS SHALL BE CHECKED TO ENSURE THAT THEY ARE BRACED ADEQUATELY TO PREVENT TIPPING AND TO CONTROL LATERAL BENDING DURING SHIPPING.
5. THE TOP SURFACE OF THE GIRDER FLANGE SHALL BE ROUGHENED IN ACCORDANCE WITH SECTION 6-02.3(25)H OF THE STANDARD SPECIFICATIONS.
6. ONCE ERECTED, ALL GIRDERS SHALL BE BRACED LATERALLY TO PREVENT TIPPING UNTIL DIAPHRAGMS ARE CAST AND CURED.



TOP STRAND DEBONDING DETAIL

SCALE: 1/2" = 1'-0"



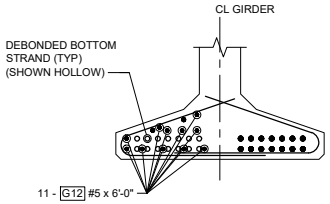
FLANGE DEBONDED STRANDS FOR PIER 2, 3 & 4

(APPLIES TO PERMANENT TOP & BOTTOM STRANDS FOR ALL SEGMENTS)

PLAN

NTS

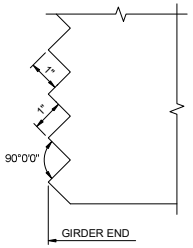
(ALTERNATE GIRDER END DEBOND AND REINFORCEMENT ABOUT GIRDER CL FOR OPPOSITE END)



SECTION A

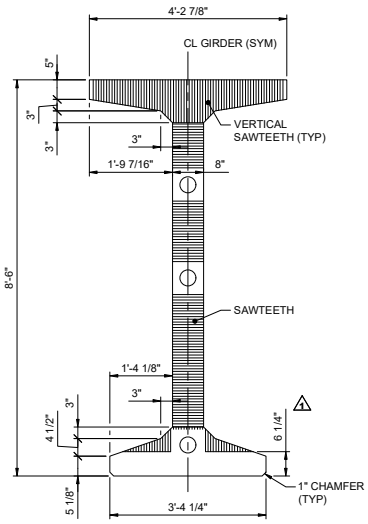
NTS

(SECTION A IS ONLY APPLICABLE TO BOTTOM FLANGE)



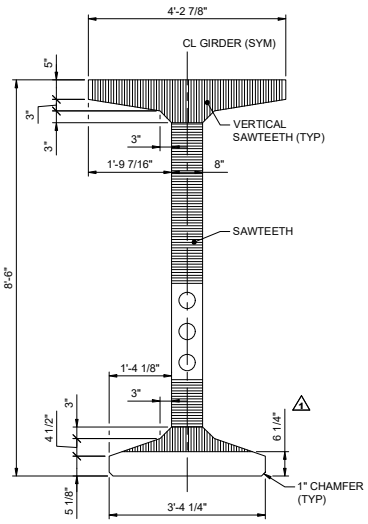
SAWTOOTH DETAILS

SCALE: 6" = 1'-0"



TYPICAL END VIEW

SCALE: 3/4" = 1'-0"
(SHOWN AT PIERS 2 & 5)



TYPICAL END VIEW

SCALE: 3/4" = 1'-0"
(SHOWN AT CLOSURE)

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	08/21/20	SJD	KF	SJD	NDC-000030 - NEW PT DETAIL DWG SHEET
1	03/06/20	SJD	KF	SJD	NDC-000010 - REVISED UNIT 2 GIRDERS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — PROFESSIONAL ENGINEER
8/21/2020 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19
REVIEWED BY: T. KRAUPA | DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 057-B27-SGV202

RTS PEDESTRIAN BRIDGE

UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER
PT DETAILS SHEET 1 OF 4

DRAWING No.: B27-SGV202
FACILITY ID: B27
SHEET No.: 57
REV: 2

RECORD DRAWING #23-2175

08/20/20 | 9:24 PM | ALYSSA.SOLIZ
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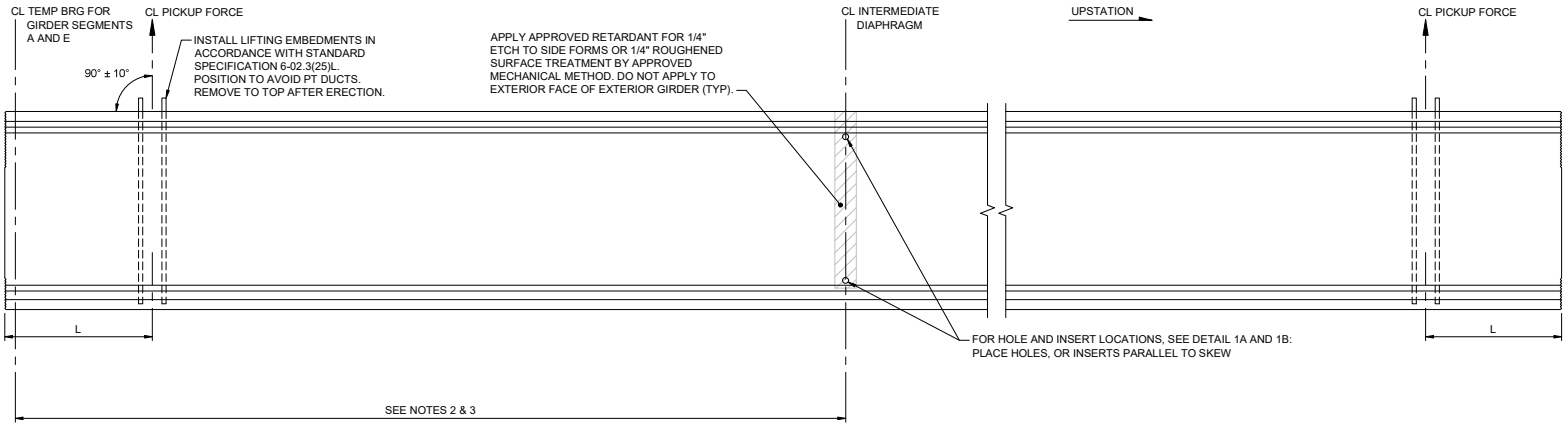
LONGITUDINAL TENDON DIMENSIONS

GIRDER LINE	A	B	C	D	E	F	G	H	J	K	L	M	N	L TOTAL
1	131'-1 7/8"	35'-3 3/4"	35'-3 3/4"	33'-11 1/8"	33'-11 1/8"	33'-11 1/8"	33'-11 1/8"	36'-2 3/8"	36'-2 3/8"	134'-5 1/8"	201'-1 7/8"	205'-8 1/2"	206'-5 3/8"	613'-3 ¾"
2	129'-10 1/2"	34'-11 1/2"	34'-11 1/2"	33'-8 7/8"	33'-8 7/8"	33'-8 7/8"	33'-8 7/8"	36'-8 1/2"	36'-8 1/2"	125'-0"	199'-2"	204'-11 1/2"	198'-0 1/2"	602'-2"
3	128'-7"	34'-7 3/8"	34'-7 3/8"	33'-6 5/8"	33'-6 5/8"	33'-6 5/8"	33'-6 5/8"	37'-0 5/8"	37'-0 5/8"	115'-10 7/8"	197'-2 1/4"	204'-2 1/8"	189'-7 5/8"	591'-0 1/4"
4	127'-3 1/2"	34'-3 1/4"	34'-3 1/4"	33'-4 1/4"	33'-4 1/4"	33'-4 1/4"	33'-4 1/4"	37'-2 3/4"	37'-2 3/4"	107'-1 3/4"	195'-2 1/2"	203'-5"	181'-2 3/4"	579'-10 1/2"
5	126'-0 1/8"	33'-11 1/8"	33'-11 1/8"	33'-2"	33'-2"	33'-2"	33'-2"	37'-2 7/8"	37'-2 7/8"	98'-8 7/8"	193'-2 7/8"	202'-8"	172'-10 1/8"	568'-8 3/4"
6	124'-8 5/8"	33'-7"	33'-7"	32'-11 3/4"	32'-11 3/4"	32'-11 3/4"	32'-11 3/4"	37'-1"	37'-1"	90'-7 3/4"	191'-3 1/8"	201'-10 1/2"	164'-5 1/4"	557'-6 7/8"

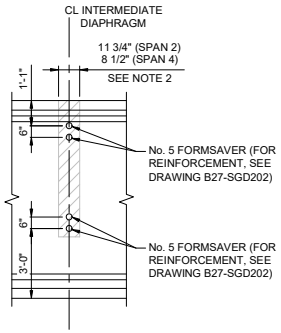
NOTES:

1. THE SLEEVES AND INSERTS SHALL BE PLACED TO FOLLOW THE ALIGNMENT OF THE SKEWED DIAPHRAGM. THE MIDDLE TOP SLEEVE SHALL BE CENTERED AT THE CENTERLINE OF GIRDER AND CENTERLINE OF DIAPHRAGM. THE HORIZONTAL SPACINGS ARE SHOWN ALONG THE GIRDER. ADJUST HOLE LOCATIONS VERTICALLY TO MISS POST-TENSIONING STRANDS.
2. THE DIMENSIONS ARE GIVEN ALONG CENTERLINE OF GIRDER. THE ROUGHENED SURFACE SHALL THEREFORE BE PLACED 4" DOWNSTATION ON THE LEFT SIDE AND 4" UPSTATION ON THE RIGHT SIDE OF THE GIRDERS, LOOKING UPSTATION.
3. FOR DIMENSION, SEE DRAWINGS B27-SGP101 AND B27-SGP105. THERE IS NO INTERMEDIATE DIAPHRAGM ON GIRDER SEGMENT C.



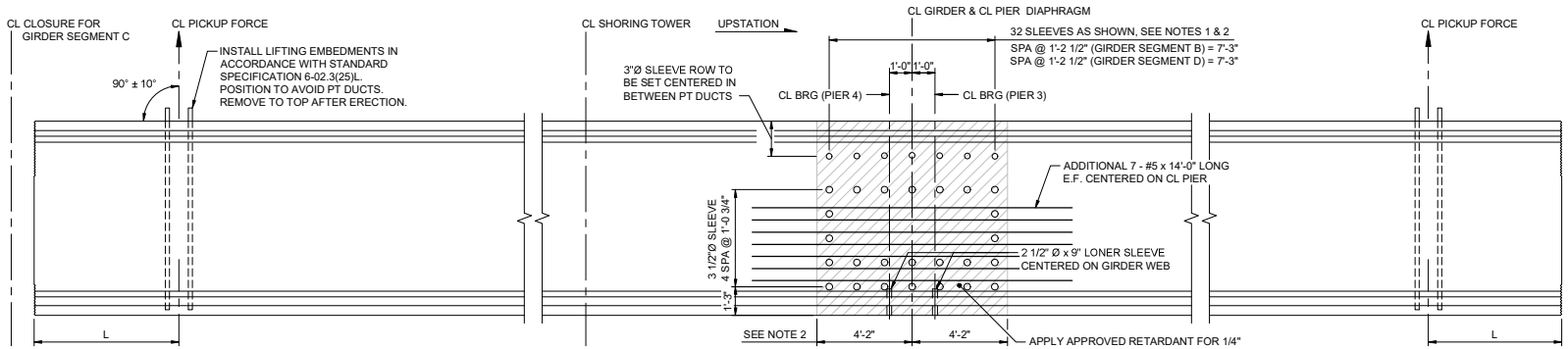
GIRDER ELEVATION - GIRDER SEGMENTS A, C & E

SCALE: 3/8" = 1'-0"



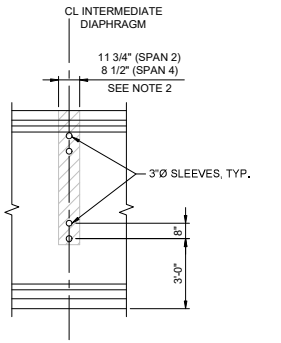
DETAIL 1A - EXTERIOR GIRDER

SCALE: 3/8" = 1'-0"



GIRDER ELEVATION - GIRDER SEGMENTS B & D

SCALE: 3/8" = 1'-0"



DETAIL 1B - INTERIOR GIRDER

SCALE: 3/8" = 1'-0"

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	08/21/20	SJD	KF	SJD	NDC-000030 - NEW PT DETAIL DWG SHEET
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

DARREL J. DESPRADEL — STATE OF WASHINGTON — PROFESSIONAL ENGINEER
8/21/2020 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19
REVIEWED BY: T. KRAUPA | DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: 3/8" = 1'-0"
FILENAME: 058-B27-SGV203

RTS PEDESTRIAN BRIDGE

UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER
PT DETAILS SHEET 2 OF 4 ⚠1

DRAWING No.: **B27-SGV203**
FACILITY ID: B27
SHEET No.: 58 REV: 1

RECORD DRAWING #23-2176

08/20/20 | 8:35 PM | ALYSSA.SOLIZ
C:\PROJECTWISE\WEBSEDD\625910\058-B27-SGV203.DWG

POST-TENSIONING TABLE

GIRDER	LOC.	TENDON NAME	GIRDER (KSI)	CLOSURE (KSI)	NUMBER OF STRANDS	PRESTRESSING LOAD		AT JACKING		LONG TERM			
						% GUTS	JACKING (KIPS)★	MIN DEAD-END EFFECTIVE STRESS (KSI)	MIN LIVE-END EFFECTIVE STRESS (KSI)	DEAD-END EFFECTIVE STRESS (KSI)	LIVE-END EFFECTIVE STRESS (KSI)	LONG-TERM LOSSES (KSI)	
G1	Top	T3	10	6	22	75	2900	140	184	124	169	16	15
	Middle	T2	10	6	22	75	2900	140	183	125	164	15	19
	Bottom	T1	10	6	22	75	2900	142	179	125	162	18	17
G2	Top	T3	10	6	22	75	2900	140	184	123	168	17	16
	Middle	T2	10	6	22	75	2900	140	183	129	164	11	19
	Bottom	T1	10	6	22	75	2900	140	185	127	170	13	15
G3	Top	T3	10	6	22	75	2900	140	184	122	168	18	16
	Middle	T2	10	6	22	75	2900	140	184	128	163	12	21
	Bottom	T1	10	6	22	75	2900	143	184	130	168	13	15
G4	Top	T3	10	6	22	75	2900	140	185	123	170	17	15
	Middle	T2	10	6	22	75	2900	140	183	129	169	11	14
	Bottom	T1	10	6	22	75	2900	143	184	127	167	16	17
G5	Top	T3	10	6	22	75	2900	141	184	124	168	17	16
	Middle	T2	10	6	22	75	2900	141	183	130	163	11	20
	Bottom	T1	10	6	22	75	2900	142	184	128	166	14	18
G6	Top	T3	10	6	22	75	2900	141	184	124	166	16	18
	Middle	T2	10	6	22	75	2900	141	183	130	168	11	16
	Bottom	T1	10	6	22	75	2900	142	183	129	168	12	14

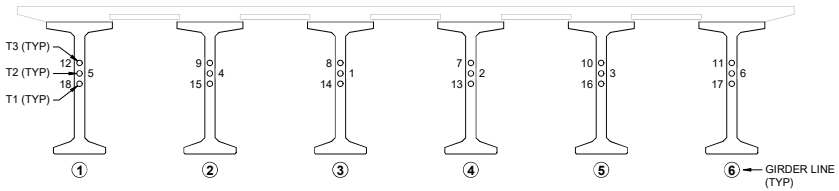
★ 2900 KIPS FOR ALL THREE DUCTS. 966.7 KIPS PER DUCT.

POST-TENSIONING NOTES:

1. THE MINIMUM COMPRESSIVE STRENGTH OF THE CAST-IN-PLACE CONCRETE AT THE CLOSURES AT THE TIME OF POST-TENSIONING SHALL BE AS SHOWN IN THE CONSTRUCTION SEQUENCE DRAWINGS.
2. THE PRESTRESSING LOAD AFTER SEATING AND THE NUMBER OF PRESTRESSING STRANDS FOR EACH GIRDER SHALL BE AS SHOWN IN POST-TENSIONING TABLE.
3. THE DESIGN IS BASED ON 0.6 INCH DIAMETER LOW RELAXATION STRANDS WITH A JACKING LOAD FOR EACH GIRDER AS SHOWN IN POST-TENSIONING TABLE, AN ANCHOR SET OF 3/8 INCH OF CURVATURE FRICTION COEFFICIENT, μ = 0.15 AND A WOBBLE FRICTION COEFFICIENT, k = 0.0002/FT. THE ACTUAL ANCHOR SET USED BY THE CONTRACTOR SHALL BE SPECIFIED IN THE SHOP PLANS AND INCLUDED IN THE TRANSFER FORCE CALCULATIONS.
4. POST-TENSIONING DUCTS SHALL MEET THE REQUIREMENTS OF STANDARD SPECIFICATIONS SECTION 6-02.3(26)E AND 6-02.3(25).
5. THE DESIGN IS BASED ON THE ESTIMATED PRESTRESS LOSS OF POST-TENSIONING STRANDS SHOWN IN POST-TENSIONING TABLE DUE TO STEEL RELAXATION, ELASTIC SHORTENING, CREEP AND SHRINKAGE OF CONCRETE.
6. THE CONTRACTOR SHALL SUBMIT THE STRESSING SEQUENCE AND ELONGATION CALCULATIONS TO THE ENGINEER FOR APPROVAL. ALL LOSSES DUE TO TENDON VERTICAL AND HORIZONTAL CURVATURE MUST BE INCLUDED IN ELONGATION CALCULATIONS.
7. NO MORE THAN ONE-HALF OF THE PRESTRESSING FORCE IN ANY WEB MAY BE STRESSED BEFORE AN EQUAL FORCE IS STRESSED IN THE ADJACENT WEBS. AT NO TIME DURING STRESSING OPERATION WILL MORE THAN ONE-SIXTH OF THE TOTAL PRESTRESSING FORCE BE APPLIED ECCENTRICALLY ABOUT THE CENTERLINE OF BRIDGE.
8. THE AREA OF THE DUCT SHALL BE AT LEAST 2.5 TIMES THE NET AREA OF THE PRESTRESSING STEEL IN THE DUCT.
9. SIDE FORMS FROM CLOSURES AND DIAPHRAGMS SHALL BE REMOVED PRIOR TO POST-TENSIONING.
10. ALL TENDONS SHALL BE GROUTED ONLY AFTER ALL TENDONS HAVE BEEN STRESSED TO TARGET JACKING FORCE. ALL TENDONS SHALL BE GROUTED BEFORE PRECAST PANELS INSTALLATION.

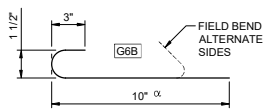
NOTES:

1. PROVIDE G3 #5 AND G7 #3 ONLY AT EXTERIOR FACE OR EXTERIOR GIRDER. SEE SPLICED GIRDER WET JOINT DETAIL SHEETS.
2. G6B #4 CROSS TIES CAN BE OMITTED WHEN #8 NON-CONTACT LAP SPLICE BARS ARE PRESENT BETWEEN DUCTS. SEE SPLICED GIRDER WET JOINT DETAIL SHEETS.

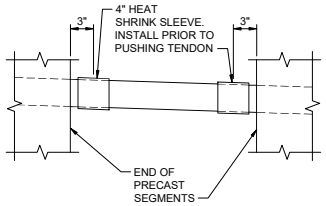


TENDONS 1, 2 AND 3 STRESSING SEQUENCE
NTS
(LOOKING UPSTATION)

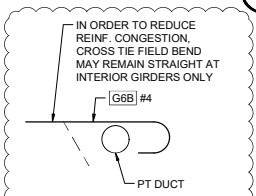
BENDING DIAGRAM *



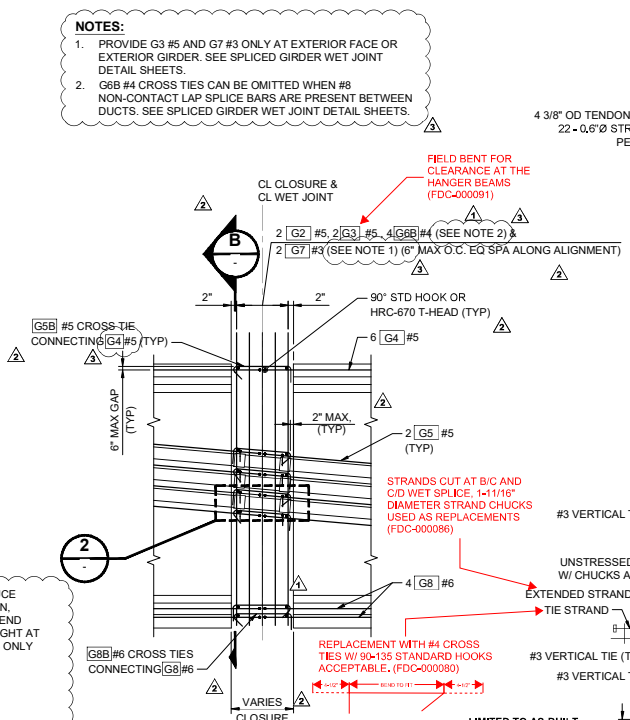
★ - ALL DIMENSIONS ARE OUT TO OUT.
α - VARIES FOR SKEWED ENDS. FIELD BENDING IS OPTIONAL



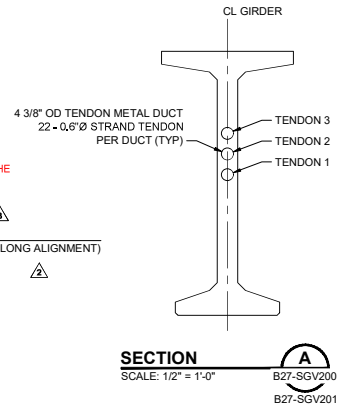
DUCT SPLICE DETAIL 2
SCALE: 1 1/2" = 1'-0"



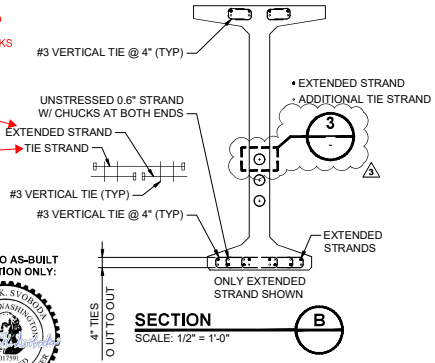
CROSS TIE DETAIL 3
SCALE: 1 1/2" = 1'-0"



CLOSURE DETAIL 1
SCALE: 1/2" = 1'-0"
B27-SGV200
B27-SGV201



SECTION A
SCALE: 1/2" = 1'-0"
B27-SGV200
B27-SGV201



SECTION B
SCALE: 1/2" = 1'-0"

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 21817 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
3	10/28/20	SJD	KF	SJD	NDC-000042 - CORRECT BAR REFERENCE
2	08/21/20	SJD	KF	SJD	NDC-000030 REVISED CLOSURE
1	07/07/20	SJD	KF	SJD	NDC-000023 ERECTION TOLERANCE
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

JARED J. DESPRADEL — STATE OF WASHINGTON — 21817 — PROFESSIONAL ENGINEER — 10/28/20 — EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN — DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA — DATE: 11/04/19

LINE IS 1" AT FULL SCALE

City of Redmond
SUBMITTAL DATE: 11/04/20

SCALE: AS NOTED
FILENAME: 059-B27-SGV204

RTS PEDESTRIAN BRIDGE
UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER
PT DETAILS SHEET 3 OF 4 2

DRAWING No.: B27-SGV204
FACILITY ID: B27
SHEET No.: 59
REV.: 3

RECORD DRAWING #23-2177

10/28/20 1:15 PM | ALYSSA.SOLIZ
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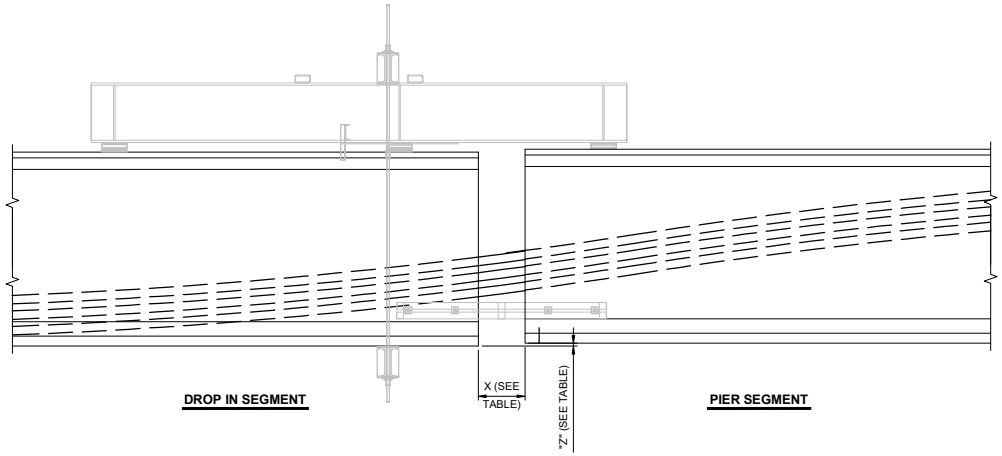

GIRDER SHIFT DETAIL
SCALE: 3/8" = 1'-0"

DESIGN GIRDER SHIFTS "Z" (POSITIVE JOG SHOWN IN GIRDER SHIFT DETAIL)				
REQUIRED WET JOINT LOCATION SHIFTS (IN)				
GIRDER	A/B	B/C	C/D	D/E
G1	0.500	-0.750	-0.375	0.500
G2	0.125	-0.250	-0.500	0.000
G3	0.500	-0.250	-1.125	0.000
G4	1.000	-0.375	-1.000	0.000
G5	0.500	-0.500	-0.500	0.250
G6	1.250	-0.750	-0.625	0.125

AS-BUILT CL WET JOINT BOTTOM GIRDER "X" DIMENSION (IN)				
GIRDER	A-B	B-C	C-D	D-E
G1	32.125	16.500	21.000	29.875
G2	31.750	17.000	20.000	30.000
G3	31.000	18.500	19.000	28.000
G4	30.875	18.750	17.500	30.000
G5	32.000	16.500	20.750	30.000
G6	32.000	20.625	15.000	30.000

	WET JOINT TENDON VERTICAL OFFSET (IN)			
GIRDER	A-B	B-C	C-D	D-E
G1	0.625	0.500	0.375	0.250
	0.500	0.500	0.250	0.250
	0.250	0.500	0.250	0.000
G2	0.375	0.375	0.500	0.000
	0.000	0.750	0.625	0.000
	0.250	0.125	0.500	0.000
G3	0.000	0.125	0.000	0.750
	0.250	0.125	0.125	0.750
	0.000	0.250	0.000	0.625
G4	0.750	0.750	0.250	0.250
	0.250	0.750	0.500	0.500
	0.500	0.250	0.250	0.375
G5	0.125	0.625	0.625	0.125
	0.125	0.250	0.625	0.125
	0.125	0.125	0.000	0.125
G6	0.500	0.750	0.750	0.125
	0.750	0.750	0.250	0.250
	0.125	0.750	0.625	0.250

1

NEW SHEET

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	10/28/20	SJD	KF	SJD	NDC-000042 PT TENDON VERTICAL OFFSETS
0	08/21/20	SJD	KF	SJD	NDC-000030 REVISED GIRDER CLOSURE

DESIGNED BY: S. DESPRADEL
DRAWN BY: D. HENDERSON
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

STANLEY J. DESPRADEL — STATE OF WASHINGTON — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER — 10/28/20 — EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: AS NOTED
FILENAME: 059A-B27-SGV204A

RTS PEDESTRIAN BRIDGE

UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER
PT DETAILS SHEET 4 OF 4

DRAWING No.: **B27-SGV204a**
FACILITY ID: B27
SHEET No.: 59a
REV: 1

RECORD DRAWING #23-2178

10/27/20 | 7:05 PM | ALYSSA.SOLIZ
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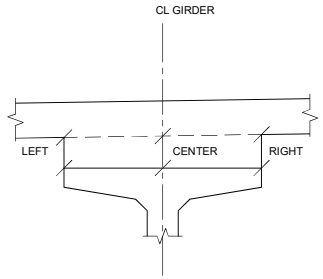
GIRDER SCHEDULE

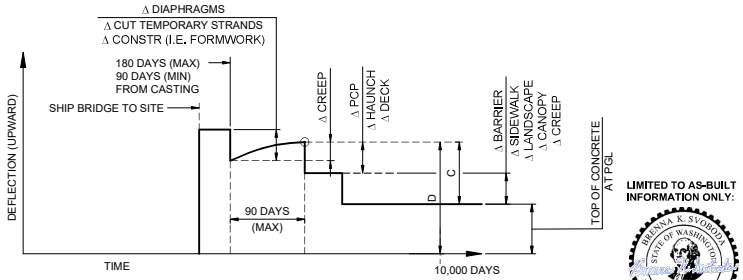
SPAN	GIRDER	GIRDER SERIES	PLAN LENGTH (ALONG GIRDER GRADE) (SEE GIRDER NOTE 1)	GIRDER END DETAILS					MIN CONC COMP STRENGTH		NUMBER OF STRANDS (SEE GIRDER NOTE 2)			LOCATION OF C.G. STRANDS		"A" DIMENSION AT ℄ BEARINGS	DECK SCREED CAMBER C	MIDSPAN VERTICAL DEFLECTION D	SHIPPING AND HANDLING DETAILS				
				END 1 TYPE	END 2 TYPE	Ld	Θ_1	Θ_2	@ 28 DAYS F'C (KSI)	@ RELEASE F'CI (KSI)	BOTTOM PERMANENT STRAIGHT	TOP	TEMPORARY	E_1	E_2			UPPER BOUND @ 120 DAYS	L	L_L	L_T	K_Θ MINIMUM SHIPPING SUPPORT ROTATIONAL SPRING CONSTANT	W_{CC} MINIMUM SHIPPING SUPPORT CTR-TO-CTR WHEEL SPACING
2	A1	WF100PTG	153'-10 7/8"	A	A	-	37.00	42.50	10.0	7.5	28	8	0	2"	3"	**	**	**	20'-0"	15'-0"	15'-0"	60,000 KIP-IN/RAD	8'-0"
	A2	WF100PTG	151'-11 1/8"	A	A	-	37.00	42.50	10.0	7.5	28	8	0	2"	3"	**	**	**	20'-0"	15'-0"	15'-0"	60,000 KIP-IN/RAD	8'-0"
	A3	WF100PTG	149'-11 3/8"	A	A	-	37.00	42.50	10.0	7.5	28	8	0	2"	3"	**	**	**	20'-0"	15'-0"	15'-0"	60,000 KIP-IN/RAD	6'-0"
	A4	WF100PTG	147'-11 1/2"	A	A	-	37.00	42.50	10.0	7.5	28	8	0	2"	3"	**	**	**	20'-0"	15'-0"	15'-0"	60,000 KIP-IN/RAD	6'-0"
	A5	WF100PTG	145'-11 3/4"	A	A	-	37.00	42.50	10.0	7.5	28	8	0	2"	3"	**	**	**	20'-0"	15'-0"	15'-0"	60,000 KIP-IN/RAD	6'-0"
	A6	WF100PTG	144'-0"	A	A	-	37.00	42.50	10.0	7.5	28	8	0	2"	3"	**	**	**	20'-0"	15'-0"	10'-0"	60,000 KIP-IN/RAD	6'-0"
2 - 3	B1	WF100PTG	80'-0"	A	A	-	42.50	42.50	10.0	7.5	4	28	4	3"	2"	**	**	**	10'-0"	10'-0"	10'-0"	40,000 KIP-IN/RAD	6'-0"
	B2	WF100PTG	80'-0"	A	A	-	42.50	42.50	10.0	7.5	4	28	4	3"	2"	**	**	**	10'-0"	10'-0"	10'-0"	40,000 KIP-IN/RAD	6'-0"
	B3	WF100PTG	80'-0"	A	A	-	42.50	42.50	10.0	7.5	4	28	4	3"	2"	**	**	**	10'-0"	10'-0"	10'-0"	40,000 KIP-IN/RAD	6'-0"
	B4	WF100PTG	80'-0"	A	A	-	42.50	42.50	10.0	7.5	4	28	4	3"	2"	**	**	**	10'-0"	10'-0"	10'-0"	40,000 KIP-IN/RAD	6'-0"
	B5	WF100PTG	80'-0"	A	A	-	42.50	42.50	10.0	7.5	4	28	4	3"	2"	**	**	**	10'-0"	10'-0"	10'-0"	40,000 KIP-IN/RAD	6'-0"
	B6	WF100PTG	80'-0"	A	A	-	42.50	42.50	10.0	7.5	4	28	4	3"	2"	**	**	**	10'-0"	10'-0"	10'-0"	40,000 KIP-IN/RAD	6'-0"
3	C1	WF100PTG	121'-8 5/8"	A	A	-	42.50	45.00	10.0	7.5	20	8	0	2"	3"	**	**	**	20'-0"	5'-0"	5'-0"	50,000 KIP-IN/RAD	6'-0"
	C2	WF100PTG	120'-11 1/2"	A	A	-	42.50	45.00	10.0	7.5	20	8	0	2"	3"	**	**	**	20'-0"	5'-0"	5'-0"	50,000 KIP-IN/RAD	6'-0"
	C3	WF100PTG	120'-2 1/4"	A	A	-	42.50	45.00	10.0	7.5	20	8	0	2"	3"	**	**	**	20'-0"	5'-0"	5'-0"	50,000 KIP-IN/RAD	6'-0"
	C4	WF100PTG	119'-5 1/8"	A	A	-	42.50	45.00	10.0	7.5	20	8	0	2"	3"	**	**	**	20'-0"	5'-0"	5'-0"	50,000 KIP-IN/RAD	6'-0"
	C5	WF100PTG	118'-7 7/8"	A	A	-	42.50	45.00	10.0	7.5	20	8	0	2"	3"	**	**	**	20'-0"	5'-0"	5'-0"	50,000 KIP-IN/RAD	6'-0"
	C6	WF100PTG	117'-10 5/8"	A	A	-	42.50	45.00	10.0	7.5	20	8	0	2"	3"	**	**	**	20'-0"	5'-0"	5'-0"	50,000 KIP-IN/RAD	6'-0"
3 - 4	D1	WF100PTG	80'-0"	A	A	-	45.00	45.00	10.0	7.5	4	28	4	3"	2"	**	**	**	10'-0"	10'-0"	10'-0"	40,000 KIP-IN/RAD	6'-0"
	D2	WF100PTG	80'-0"	A	A	-	45.00	45.00	10.0	7.5	4	28	4	3"	2"	**	**	**	10'-0"	10'-0"	10'-0"	40,000 KIP-IN/RAD	6'-0"
	D3	WF100PTG	80'-0"	A	A	-	45.00	45.00	10.0	7.5	4	28	4	3"	2"	**	**	**	10'-0"	10'-0"	10'-0"	40,000 KIP-IN/RAD	6'-0"
	D4	WF100PTG	80'-0"	A	A	-	45.00	45.00	10.0	7.5	4	28	4	3"	2"	**	**	**	10'-0"	10'-0"	10'-0"	40,000 KIP-IN/RAD	6'-0"
	D5	WF100PTG	80'-0"	A	A	-	45.00	45.00	10.0	7.5	4	28	4	3"	2"	**	**	**	10'-0"	10'-0"	10'-0"	40,000 KIP-IN/RAD	6'-0"
	D6	WF100PTG	80'-0"	A	A	-	45.00	45.00	10.0	7.5	4	28	4	3"	2"	**	**	**	10'-0"	10'-0"	10'-0"	40,000 KIP-IN/RAD	6'-0"
4	E1	WF100PTG	161'-3 1/2"	A	A	-	45.00	90.00	10.0	7.5	28	8	0	2"	3"	**	**	**	20'-0"	15'-0"	20'-0"	60,000 KIP-IN/RAD	8'-0"
	E2	WF100PTG	152'-10 5/8"	A	A	-	45.00	90.00	10.0	7.5	28	8	0	2"	3"	**	**	**	20'-0"	15'-0"	15'-0"	60,000 KIP-IN/RAD	8'-0"
	E3	WF100PTG	144'-5 7/8"	A	A	-	45.00	90.00	10.0	7.5	28	8	0	2"	3"	**	**	**	20'-0"	10'-0"	10'-0"	60,000 KIP-IN/RAD	6'-0"
	E4	WF100PTG	136'-1"	A	A	-	45.00	90.00	10.0	7.5	20	8	0	2"	3"	**	**	**	20'-0"	10'-0"	10'-0"	60,000 KIP-IN/RAD	6'-0"
	E5	WF100PTG	127'-8 1/4"	A	A	-	45.00	90.00	10.0	7.5	20	8	0	2"	3"	**	**	**	20'-0"	10'-0"	10'-0"	50,000 KIP-IN/RAD	6'-0"
	E6	WF100PTG	119'-3 1/2"	A	A	-	45.00	90.00	10.0	7.5	20	8	0	2"	3"	**	**	**	20'-0"	5'-0"	5'-0"	50,000 KIP-IN/RAD	6'-0"

1 ADJUST AS REQUIRED TO MEET MINIMUM SHIPPING SUPPORT CTR-TO-CTR WHEEL SPACING

**SEE CAMBER TABLE ON SHEET B27-SGV206



HAUNCH LOCATIONS



CAMBER DIAGRAM
NTS

LIMITED TO AS-BUILT INFORMATION ONLY:

(DRFI-000516)

BOTTOM OF GIRDER ELEVATION (FT)

GIRDER LINE	PIER 2 @ CL TEMP BEARING	PIER SEGMENT (P3) CLOSURE TIP *	CL PIER 3	PIER SEGMENT (P3) CLOSURE TIP *	PIER SEGMENT (P4) CLOSURE TIP *	CL PIER 4	PIER SEGMENT (P4) CLOSURE TIP *	PIER 5 @ CL TEMP BEARING
GIRDER 1	~~381.25~~ 381.15	383.40	383.60	383.88	~~382.41~~ ~~382.60~~ ~~382.05~~ ~~382.24~~ ~~381.77~~ 381.96	~~380.21~~ 380.18		
GIRDER 2	~~381.50~~ 381.40	383.61	383.72	383.93	~~382.50~~ ~~382.62~~ ~~382.09~~ ~~382.22~~ ~~381.78~~ 381.90	~~380.34~~ 380.31		
GIRDER 3	~~381.82~~ 381.74	383.85	383.85	383.93	~~382.54~~ ~~382.65~~ ~~382.13~~ ~~382.25~~ ~~381.82~~ 381.93	~~380.45~~ 380.41		
GIRDER 4	~~381.95~~ 381.86	383.94	383.86	383.86	~~382.46~~ ~~382.59~~ ~~382.05~~ ~~382.19~~ ~~381.74~~ 381.87	~~380.47~~ 380.43		
GIRDER 5	~~381.93~~ 381.84	383.97	383.77	383.65	~~382.29~~ ~~382.39~~ ~~381.84~~ ~~381.95~~ ~~381.49~~ 381.59	~~380.35~~ 380.31		
GIRDER 6	~~382.00~~ 381.91	383.97	383.68	383.49	~~382.07~~ ~~382.16~~ ~~381.63~~ ~~381.72~~ ~~381.27~~ 381.36	~~380.22~~ 380.18		

*SEE NOTES 3 AND 4

GIRDER NOTES:

1. PLAN LENGTH SHALL BE INCREASED AS NECESSARY TO COMPENSATE FOR SHORTENING DUE TO PRESTRESS AND SHRINKAGE.
2. ALL PRETENSIONED AND TEMPORARY STRANDS SHALL BE 0,6"Ø AASHTO M203 GRADE 270 LOW RELAXATION STRANDS, JACKED TO 202.5 KSI (43.9 KIPS PER STRAND).
3. ELEVATION CORRESPONDS TO INTENDED INITIAL SLOPE OF PIER SEGMENT ACCOUNTING ONLY FOR SELF WEIGHT OF PIER SEGMENT AND CASTING YARD CREEP DEFLECTION.
4. ELEVATION ASSUMES NO DEFLECTION WILL OCCUR AT SHORING TOWERS.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	03/06/20	SJD	KF	SJD	NDC-000010 - REVISED UNIT 2 GIRDERS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: R. TUCHSCHERER
APPROVED BY: S. DESPRADEL

JARED J. DESPRADEL — STATE OF WASHINGTON — 23017759 — REGISTERED PROFESSIONAL ENGINEER
3/6/20 — EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN — DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA — DATE: 11/04/19

LINE IS 1" AT FULL SCALE

City of Redmond
SUBMITTAL DATE: 11/04/19

SCALE: NTS
FILENAME: 060-B27-SGV205

RTS PEDESTRIAN BRIDGE

UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER SCHEDULE & NOTES

DRAWING No.: B27-SGV205
FACILITY ID: B27
SHEET No.: 60 — REV.: 1

RECORD DRAWING #23-2179

03/03/20 | 12:57 PM | ALYSSA.SOLIZ
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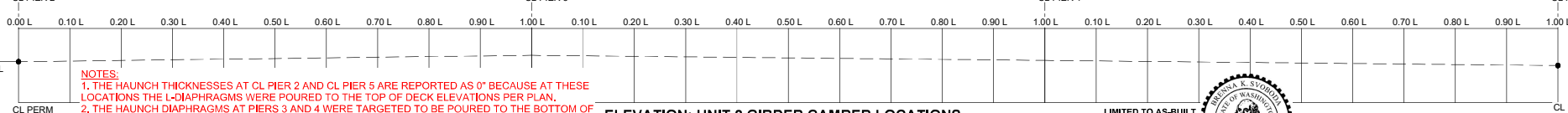
(DRFI-000516)

UNIT 2 GIRDER CAMBER TABLE

		CL P2	SPAN 2									CL P3	SPAN 3									CL P4	SPAN 4									CL P5
GIRDER 1	% SPAN LENGTH	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
	STATION (FT)	11+29.19	11+49.37	11+69.54	11+89.72	12+09.90	12+30.08	12+50.25	12+70.43	12+90.61	13+10.79	13+30.96	13+51.54	13+72.11	13+92.68	14+13.25	14+33.82	14+54.39	14+74.97	14+95.54	15+16.11	15+36.68	15+57.36	15+78.04	15+98.73	16+19.41	16+40.09	16+60.77	16+81.45	17+02.14	17+22.82	17+43.50
	D - DEFLECTION PRIOR TO DECK POUR (IN)	-0.30	0.95 0.87	1.82 1.67	2.36 2.17	2.63 2.42	2.74 2.54	2.64 2.49	2.28 2.18	1.53 1.49	0.40 0.38	-0.10	0.08	0.64 0.62	1.55 1.52	1.97 1.93	2.14 2.09	2.10 2.06	1.79	1.24	0.28	-0.08	0.37 0.33	1.48 1.36	2.71 2.51	3.37 3.08	3.67 3.30	3.67 3.28	3.38 3.00	2.71 2.40	1.58 1.40	-0.07
	C - ALL REMAINING DEFLECTION (IN)	-0.17 -0.27	-2.08 -2.13	-3.80	-5.09 -5.07	-5.73 -5.70	-5.77 -5.74	-5.12 -5.10	-3.98 -3.94	-2.50	-1.10	-0.19	-0.13	-0.57 -0.59	-1.17 -1.19	-1.65 -1.68	-1.84 -1.87	-1.67 -1.70	-1.20 -1.22	-0.61	-0.14	-0.12	-0.94	-2.40	-3.87	-5.07	-5.74	-5.77 -5.75	-5.05	-3.76	-2.07 -0.09 -0.11	
	A DIMENSION @ CENTERLINE BEARING (IN)	11.00	-	-	-	-	-	-	-	-	-	13.34	-	-	-	-	-	-	-	-	- 11.15	13.40	-	-	-	-	-	-	-	-	-	11.00
	HAUNCH THICKNESS - LEFT (IN)	0.00 1.62	3.12 3.21	5.94 4.21	6.78 4.83	6.73 4.93	6.44 4.58	5.34 3.72	3.96 2.60	2.66 1.58	3.32 2.82	0.00 3.96	5.57 5.34	1.19 2.19	1.59 2.31	2.85 2.81	3.57 3.26	4.41 3.54	4.95 3.76	5.00 4.12	4.95 4.17	0.00 4.01	3.57 3.93	3.50 3.88	5.13 4.03	6.02 4.49	7.09 4.76	7.02 4.62	6.47 4.02	5.57 3.15	4.15 2.28	0.00 1.62
	HAUNCH THICKNESS - CENTER (IN)	0.00 2.00	5.50 3.59	6.32 4.59	7.16 5.21	7.11 5.31	6.82 4.96	5.72 4.10	4.34 2.98	3.04 1.96	3.71 3.20	0.17 4.34	5.95 5.72	1.57 2.57	1.97 2.69	3.23 3.19	3.95 3.64	4.79 3.92	5.33 4.14	5.38 4.50	5.33 4.55	0.00 4.40	3.95 4.31	3.88 4.26	5.61 4.41	6.40 4.87	7.47 5.14	7.40 5.00	6.85 4.40	5.95 3.54	4.53 2.66	0.00 2.00
	HAUNCH THICKNESS - RIGHT (IN)	0.00 2.38	5.88 3.97	6.71 4.98	7.55 5.59	7.49 5.70	7.20 5.34	6.10 4.48	4.72 3.36	3.42 2.34	4.09 3.59	0.55 4.72	6.33 6.10	1.95 2.95	2.36 3.07	3.81 3.58	4.33 4.02	5.17 4.31	5.71 4.52	5.76 4.88	5.71 4.94	0.00 4.78	4.34 4.69	4.26 4.64	5.88 4.79	6.78 5.25	7.85 5.52	7.78 5.38	7.23 4.78	6.34 3.92	4.91 3.05	0.00 2.39
GIRDER 2	% SPAN LENGTH	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
	STATION (FT)	11+40.34	11+60.32	11+80.30	12+00.28	12+20.26	12+40.24	12+60.22	12+80.20	13+00.18	13+20.16	13+40.14	13+60.64	13+81.13	14+01.62	14+22.12	14+42.61	14+63.11	14+83.60	15+04.09	15+24.59	15+45.08	15+64.92	15+84.77	16+04.61	16+24.45	16+44.29	16+64.13	16+83.97	17+03.82	17+23.66	17+43.50
	D - DEFLECTION PRIOR TO DECK POUR (IN)	-0.10	1.02 0.95	1.90 1.76	2.43 2.24	2.67 2.47	2.75 2.57	2.64 2.48	2.25 2.14	1.59 1.55	0.44 0.42	-0.10	0.02	0.56 0.54	1.52 1.50	1.94 1.90	2.10 2.06	2.06 2.03	1.76	1.28	0.29	-0.09	0.29 0.26	1.43 1.35	2.68 2.49	3.46 3.19	3.83 3.49	3.87 3.51	3.55 3.20	2.80 2.52	1.50 1.35	-0.09
	C - ALL REMAINING DEFLECTION (IN)	-0.08 -0.11	-1.75 -1.77	-3.39	-4.54	-5.03	-4.98	-4.38	-3.37	-2.14	-0.94	-0.15	-0.08	-0.40 -0.42	-0.82 -0.85	-1.16 -1.20	-1.28 -1.33	-1.17 -1.21	-0.84 -0.87	-0.44	-0.10	-0.14	-0.83	-2.00	-3.16	-4.12	-4.69	-4.79	-4.30	-3.22 -3.24	-1.67 -1.69	-0.11 -0.13
	A DIMENSION @ CENTERLINE BEARING (IN)	11.00	-	-	-	-	-	-	-	-	-	14.74	-	-	-	-	-	-	-	-	- 11.88	13.38	-	-	-	-	-	-	-	-	-	11.00
	HAUNCH THICKNESS - LEFT (IN)	0.00 1.62	4.59 3.36	5.41 4.09	6.21 4.52	6.46 4.54	6.17 4.16	5.68 3.40	4.55 2.50	3.68 1.63	5.36 3.60	1.20 5.36	6.22 5.45	0.61 2.01	0.87 1.84	1.84 2.15	3.11 2.45	3.77 2.71	4.71 2.99	4.59 3.39	4.93 3.83	0.00 4.00	2.87 4.31	1.04 3.94	2.22 3.73	3.20 3.75	3.78	4.27 3.63	4.75 3.20	4.54 2.59	4.09 1.98	0.00 1.62
	HAUNCH THICKNESS - CENTER (IN)	0.00 2.00	4.97 3.74	5.79 4.47	6.59 4.90	6.84 4.92	6.55 4.54	6.06 3.79	4.93 2.88	4.06 2.01	5.74 3.98	1.58 5.74	6.60 5.83	0.99 2.39	1.35 2.22	2.22 2.51	3.50 2.83	4.16 3.09	5.09 3.37	4.87 3.77	5.21 4.21	0.00 4.38	3.25 4.49	1.43 4.32	2.60 4.11	3.58 4.14	4.16	4.65 4.01	5.13 3.58	4.92 2.97	4.47 2.36	0.00 2.00
	HAUNCH THICKNESS - RIGHT (IN)	0.00 2.38	5.35 4.12	6.17 4.85	6.97 5.28	7.22 5.30	6.93 4.92	6.44 4.17	5.21 3.27	4.45 2.40	6.12 4.36	1.96 6.12	6.98 6.21	1.37 2.77	1.73 2.60	2.61 2.89	3.88 3.21	4.54 3.47	5.47 3.76	5.36 4.15	5.69 4.59	0.00 4.76	3.63 4.87	1.81 4.71	2.98 4.49	3.98 4.52	4.54	5.03 4.39	5.51 3.97	5.30 3.35	4.85 2.74	0.00 2.38
GIRDER 3	% SPAN LENGTH	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
	STATION (FT)	11+51.48	11+71.27	11+91.05	12+10.83	12+30.61	12+50.39	12+70.17	12+89.96	13+09.74	13+29.52	13+49.30	13+69.72	13+90.14	14+10.56	14+30.97	14+51.39	14+71.81	14+92.23	15+12.65	15+33.07	15+53.48	15+72.49	15+91.49	16+10.49	16+29.49	16+48.49	16+67.49	16+86.49	17+05.49	17+24.49	17+43.49
	D - DEFLECTION PRIOR TO DECK POUR (IN)	-0.07	1.10 1.02	1.95 1.81	2.44 2.26	2.69 2.49	2.76 2.57	2.63 2.48	2.21 2.11	1.49 1.45	0.39 0.37	-0.10	0.03	0.59 0.57	1.50 1.47	1.91 1.87	2.07 2.03	2.03 1.99	1.73	1.20	0.21	-0.10	0.28 0.25	1.36 1.28	2.60 2.42	3.47 3.22	3.92 3.61	3.97 3.64	3.65 3.35	2.86 2.60	1.46 1.33	-0.11
	C - ALL REMAINING DEFLECTION (IN)	-0.08	-1.73 -1.76	-3.22 -3.24	-4.19 -4.21	-4.64	-4.57	-4.01	-3.07	-1.95	-0.86	-0.13	-0.04	-0.31 -0.33	-0.89 -0.92	-1.00 -1.04	-1.13 -1.17	-1.04 -1.07	-0.75 -0.78	-0.38 -0.40	-0.10	-0.14	-0.70	-1.67	-2.61 -2.63	-3.42 -3.44	-3.94 -3.96	-4.02 -4.05	-3.84 -3.68	-2.78 -2.81	-1.42 -1.45	-0.13 -0.16
	A DIMENSION @ CENTERLINE BEARING (IN)	11.00	-	-	-	-	-	-	-	-	-	16.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.25
	HAUNCH THICKNESS - LEFT (IN)	0.00 1.62	4.28 2.74	4.90 3.29	5.59 3.66	5.76 3.72	5.54 3.42	5.18 2.81	4.46 2.10	2.83 1.56	5.79 4.27	0.71 6.75	5.76 5.06	0.94 2.25	0.55 2.03	1.05 2.25	1.49 2.52	2.07 2.75	2.09 3.02	2.99 3.46	3.98 3.93	0.00 4.03	3.70 4.02	3.45 3.72	3.44 3.33	3.77 3.13	4.29 3.04	4.49 2.89	4.36 2.61	4.45 2.25	3.89 1.95	0.00 1.87
	HAUNCH THICKNESS - CENTER (IN)	0.00 2.00	4.66 3.12	5.28 3.67	5.97 4.04	6.14 4.10	5.92 3.80	5.56 3.19	4.84 2.48	3.21 1.94	6.17 4.65	1.09 7.13	6.14 5.45	1.33 2.63	0.93 2.41	1.44 2.63	1.98 2.90	2.45 3.13	2.47 3.40	3.38 3.84	4.36 4.31	0.00 4.41	4.08 4.40	3.83 4.11	3.83 3.71	4.16 3.51	4.87 3.42	4.87 3.27	4.74 2.99	4.83 2.63	4.07 2.33	0.00 2.25
	HAUNCH THICKNESS - RIGHT (IN)	0.00 2.38	5.06 3.50	5.66 4.05	6.38 4.42	6.52 4.48	6.30 4.19	5.94 3.58	5.22 2.86	3.59 2.32	6.55 5.03	1.47 7.51	6.52 5.83	1.71 3.01	1.31 2.79	1.82 3.01	2.26 3.28	2.83 3.51	3.51 3.85	3.78 4.23	4.74 4.69	0.00 4.79	4.46 4.79	4.21 4.49	4.21 4.10	4.54 3.89	5.05 3.81	5.26 3.65	5.12 3.37	5.21 3.01	4.45 2.72	0.00 2.64
GIRDER 4	% SPAN LENGTH	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
	STATION (FT)	11+62.61	11+82.20	12+01.78	12+21.37	12+40.95	12+60.54	12+80.12	12+99.71	13+19.29	13+38.88	13+58.46	13+78.80	13+99.15	14+19.49	14+39.83	14+60.17	14+80.51	15+00.85	15+21.20	15+41.54	15+61.88	15+80.04	15+98.20	16+16.37	16+34.53	16+52.69	16+70.85	16+89.01	17+07.18	17+25.34	17+43.50
	D - DEFLECTION PRIOR TO DECK POUR (IN)	-0.07	1.07 1.00	1.94 1.80	2.44 2.27	2.69 2.50	2.75 2.58	2.61 2.47	2.18 2.09	1.50 1.46	0.39	-0.10	0.00	0.59 0.57	1.45 1.43	1.89 1.85	2.05 2.01	2.00 1.97	1.70	1.24	0.27	-0.10	0.21 0.18	1.19 1.11	2.19 2.02	2.82 2.56	3.11 2.80	3.11 2.77	2.82 2.50	2.13 1.87	1.10 0.97	-0.11
	C - ALL REMAINING DEFLECTION (IN)	-0.06 -0.08	-1.64 -1.67	-3.11 -3.13	-4.08 -4.11	-4.52 -4.54	-4.46 -4.48	-3.91 -3.93	-3.00 -3.02	-1.92	-0.84	-0.14	-0.06	-0.36 -0.73	-0.76 -1.08	-1.12 -1.22	-1.26 -1.13	-1.17 -0.85	-0.87	-0.48	-0.16	-0.14	-0.60	-1.42	-2.22 -2.24	-2.81 -2.94	-3.34 -3.38	-3.43 -3.48	-3.13 -3.18	-2.34 -2.39	-1.27 -1.32	-0.12 -0.16
	A DIMENSION @ CENTERLINE BEARING (IN)	11.00	-	-	-	-	-	-	-	-	-	16.15	-	-	-	-	-	-	-	-	- 11.72	13.38	-	-	-	-	-	-	-	-	-	11.00
	HAUNCH THICKNESS - LEFT (IN)	0.00 2.38	4.47 3.29	5.60 4.14	6.15 4.52	6.40 4.59	6.40 4.33	6.79 3.77	5.30 3.10	2.95 2.65	6.14 5.81	0.89 7.53	6.33 5.16	0.78 2.78	1.60 2.66	2.03 2.93	2.74 3.25	3.32 3.53	3.72 3.83	4.86 4.24	5.47 4.66	0.00 4.76	4.65 4.73	4.00 4.40	4.31 4.07	4.88 3.98	5.03 3.94	5.70 3.81	5.74 3.54	5.41 3.13	4.92 2.71	0.00 2.38
	HAUNCH THICKNESS - CENTER (IN)	0.00 2.00	4.09 2.91	5.22 3.76	5.77 4.14	6.02 4.21	6.02 3.95	5.41 3.38	4.92 2.72	2.57 2.27	5.76 5.43	0.51 7.15	4.95 4.78	0.90 2.40	1.22 2.28	1.65 2.55	2.35 2.87	2.94 3.14	3.33 3.45	4.48 3.86	5.08 4.28	0.00 4.38	4.27 4.35	3.62 4.02	3.93 3.69	4.47 3.60	4.65 3.56	5.32 3.43	5.36 3.15	5.03 2.74	4.54 2.33	0.00 2.00
	HAUNCH THICKNESS - RIGHT (IN)	0.00 1.62	3.71 2.52	4.83 3.38	5.39 3.76	5.64 3.83	5.64 3.57	5.03 3.00	4.54 2.34	2.19 1.89	5.38 5.05	0.13 6.77	4.57 4.40	0.52 2.02	0.84 1.89	1.27 2.17	1.97 2.49	2.56 2.76	2.95 3.07	4.09 3.47	4.70 3.89	0.00 4.00	3.89 3.96	3.24 3.64	3.55 3.31	4.09 3.22	4.27 3.18	4.94 3.05	4.97 2.77	4.64 2.36	4.16 1.95	0.00 1.62
GIRDER 5	% SPAN LENGTH	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
	STATION (FT)	11+73.78	11+93.16	12+12.55	12+31.94	12+51.32	12+70.71	12+90.09	13+09.48	13+28.87	13+48.25	13+67.64	13+87.9	14+08.17	14+28.43	14+48.7	14+68.96	14+89.23	15+09.49	15+29.76	15+50.02	15+70.29	15+87.61	16+04.93	16+22.25	16+39.57	16+56.89	16+74.21	16+91.54	17+08.86	17+26.18	17+43.50
	D - DEFLECTION PRIOR TO DECK POUR (IN)	-0.07	1.04 0.97	1.94 1.81	2.45 2.28	2.69 2.51	2.74 2.57	2.58 2.45	2.15 2.06	1.42 1.38	0.36	-0.10	0.04	0.64 0.62	1.44 1.42	1.84 1.80	1.99 1.95	1.94 1.92	1.67	1.16	0.21	-0.10	0.21 0.18	1.16 1.08	2.14 1.98	2.82 2.59	3.16 2.87	3.17 2.87	2.86 2.57	2.11 1.88	1.11 0.98	-0.16
	C - ALL REMAINING DEFLECTION (IN)	-0.07 -0.09	-1.65 -1.67	-3.23 -3.26	-4.25 -4.28	-4.72 -4.74	-4.66 -4.69	-4.09 -4.12	-3.16	-2.01	-0.87	-0.15	-0.12	-0.53	-1.01 -1.03	-1.40 -1.43	-1.58 -1.61	-1.48 -1.50	-1.14 -1.16	-0.68	-0.24	-0.15	-0.53	-1.25	-1.92 -1.95	-2.51 -2.55	-2.88 -2.93	-2.97 -3.03	-2.72 -2.79	-2.03 -2.10	-1.17 -1.24	-0.15 -0.21
	A DIMENSION @ CENTERLINE BEARING (IN)	11.00	-	-	-	-	-	-	-	-	-	14.57	-	-	-	-	-	-	-	-	- 12.15	13.38	-	-	-	-	-	-	-	-	-	11.00
	HAUNCH THICKNESS - LEFT (IN)	0.00 2.39	5.41 3.85	5.94 4.46	6.63 4.76	6.65 4.74	6.38 4.36	5.72 3.66	5.04 2.84	3.45 2.37	7.02 6.10	0.69 5.95	4.23 4.33	1.12 2.74	0.74 2.73	1.34 3.02	2.20 3.33	2.79 3.54	3.38 3.72	3.72 4.03	4.70 4.55	0.25 4.76	4.44 4.87	3.31 4.68	3.95 4.27	4.02 3.93	4.35 3.70	4.84 3.48	4.71 3.21	4.59 2.89	4.65 2.60	0.00 2.38
	HAUNCH THICKNESS - CENTER (IN)	0.00 2.00	5.03 3.47	5.56 4.08	6.25 4.38	6.27 4.35	6.00 3.98	5.34 3.28	4.66 2.46	3.07 1.99	6.64 5.72	0.31 5.57	3.85 3.95	0.74 2.36	0.86 2.34	0.96 2.64	1.82 2.95	2.41 3.15	3.00 3.34	3.34 3.65	4.31 4.17	0.00 4.38	4.05 4.48	2.92 4.30	3.57 3.88	3.84 3.55	3.97 3.32	4.26 3.10	4.33 2.83	4.21 2.51	4.26 2.21	0.00 2.00
	HAUNCH THICKNESS - RIGHT (IN)	0.00 1.62	4.65 3.08	5.18 3.70	5.87 3.99	5.88 3.97	5.62 3.60	4.96 2.90	4.28 2.07	2.68 1.61	6.26 5.35	0.26 5.19	3.47 3.57	0.86 1.98	0.47 1.96	0.58 2.26	1.44 2.56	2.03 2.77	2.61 2.96	2.96 3.27	3.79 4.00	0.00 4.00	3.67 4.10	2.54 3.92	3.19 3.50	3.26 3.17	3.59 2.94	3.88 2.72	3.95 2.45	3.82 2.13	3.88 1.83	0.00 1.62
GIRDER 6	% SPAN LENGTH	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
	STATION (FT)	11+84.91	12+04.10	12+23.29	12+42.48	12+61.67	12+80.86	13+00.05	13+19.24	13+38.43	13+57.62	13+76.80	13+96.99	14+17.18	14+37.37	14+57.56	14+77.75	14+97.94	15+18.13	15+38.31	15+58.50	15+78.69	15+95.17	16+11.65	16+28.13	16+44.61	16+61.10	16+77.58	16+94.06	17+10.54	17+27.02	17+43.50
	D - DEFLECTION PRIOR TO DECK POUR (IN)	-0.13	1.04 0.97	1.95 1.83	2.50 2.34	2.77 2.61	2.84 2.68	2.67 2.54	2.20 2.12	1.50 1.46	0.42 0.40	-0.10	-0.02	0.61 1.49 1.47	1.91 1.88	2.07 2.03	2.01 1.99	1.71	1.21 1.23	0.27	-0.06	0.21 0.19	1.03 0.97	2.06 1.92	2.76 2.56	3.12 2.87	3.15 2.87	2.82 2.56	2.09 1.88	0.99 0.88	-0.26
	C - ALL REMAINING DEFLECTION (IN)	-0.18	-1.90 -1.93	-3.59 -3.62	-4.75 -4.77	-5.31 -5.34	-5.26 -5.28	-4.59 -4.61	-3.49	-2.16	-0.92	-0.17	-0.25	-0.84 -1.54	-1.56 -2.10	-2.12 -2.32	-2.34 -2.14	-2.16	-1.63	-0.94	-0.34	-0.12	-0.43	-1.08 -1.10	-1.75 -1.78	-2.29 -2.34	-2.62 -2.68	-2.67 -2.74	-2.41 -2.49	-1.85 -1.94	-1.05 -1.15	-0.20 -0.30
	A DIMENSION @ CENTERLINE BEARING (IN)	11.00	-	-	-	-	-	-	-	-	-	13.03	-	-	-	-	-	-	-	-	- 12.28	13.39	-	-	-	-	-	-	-	-	-	11.25
	HAUNCH THICKNESS - LEFT (IN)	0.00 2.38	4.99 3.46	6.05 4.22	6.72 4.70	7.04 4.83	6.99 4.53	6.32 3.83	5.56 2.97	3.40 2.50	6.32 5.58	0.74 4.41	3.32 3.44	2.08 2.45	2.52 2.70	3.06 3.25	3.38 3.71	3.66 3.97	3.35 4.11	2.88 4.30	3.95 4.66	0.00 4.77	3.48 4.84	2.28 4.73	2.88 4.26	2.89 3.85	3.28 3.55	3.63 3.28	3.80 3.01	3.90 2.80	4.23 2.68	0.00 2.64
	HAUNCH THICKNESS - CENTER (IN)	0.00 2.00	4.60 3.08	5.66 3.84	6.34 4.31	6.66 4.45	6.61 4.15	5.94 3.45	5.18 2.59	3.02 2.12	5.54 5.20	0.36 4.03	2.94 3.06	1.70 2.07	2.14 2.32	2.88 2.87	3.00 3.33	3.28 3.59	2.97 3.73	2.50 3.91	3.57 4.28	0.00 4.39	3.10 4.46	1.90 4.35	2.50 3.88	2.51 3.47	2.90 3.17	3.25 2.90	3.41 2.63	3.21 2.42	3.85 2.30	0.00 2.25
	HAUNCH THICKNESS - RIGHT (IN)	0.00 1.62	4.22 2.70	5.28 3.46	5.96 3.93	6.28 4.07	6.23 3.77	5.56 3.07	4.80 2.20	2.63 1.74	5.56 4.82	0.00 3.65	2.56 2.67	1.32 1.69	1.76 1.94	2.30 2.49	2.62 2.95	2.90 3.20	2.59 3.35	2.12 3.53	3.19 3.90	0.00 4.01	2.72 4.08	1.51 3.96	2.12 3.50	2.13 3.09	2.51 2.78	2.87 2.51	3.03 2.25	3.13 2.04	3.47 1.92	0.00 1.87



NOTES:
1. THE HAUNCH THICKNESSES AT CL PIER 2 AND CL PIER 5 ARE REPORTED AS 0" BECAUSE AT THESE LOCATIONS THE L-DIAPHRAGMS WERE POURED TO THE TOP OF DECK ELEVATIONS PER PLAN.
2. THE HAUNCH DIAPHRAGMS AT PIERS 3 AND 4 WERE TARGETED TO BE POURED TO THE BOTTOM OF DECK ELEVATIONS. AS A RESULT OF THIS, SOME OF THE HAUNCH THICKNESSES AT CL PIER 3 AND CL PIER 4 ARE REPORTED AS 0" AND THE NON-ZERO NUMBERS ARE THE REMAINING HAUNCH THICKNESSES AT THE HAUNCH DIAPHRAGMS. (DRFI-000516)

ELEVATION: UNIT 2 GIRDER CAMBER LOCATIONS
NTS

LIMITED TO AS-BUILT INFORMATION ONLY:

ARIENNA K. SVOBODA — STATE OF WASHINGTON — 23017 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

IFC SUBMITTAL

No.	DATE	DSN	CHK	APP	REVISION
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

S. DESPRADEL — DRAWN BY: T. ERION — CHECKED BY: R. TUCHSCHERER — APPROVED BY: S. DESPRADEL

AARRE J. DESPRADEL — STATE OF WASHINGTON — 19809 — PROFESSIONAL ENGINEER — 11/05/2019 — EXP: 03-15-21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO — SUBMITTED BY: G. OWEN — DATE: 11/04/19

Kiewit — LINE IS 1" AT FULL SCALE — REVIEWED BY: T. KRAUPA — DATE: 11/04/19

CityofRedmond — SCALE: NTS — FILENAME: 060A-B27-SGV206 — SUBMITTAL DATE: 11/04/19

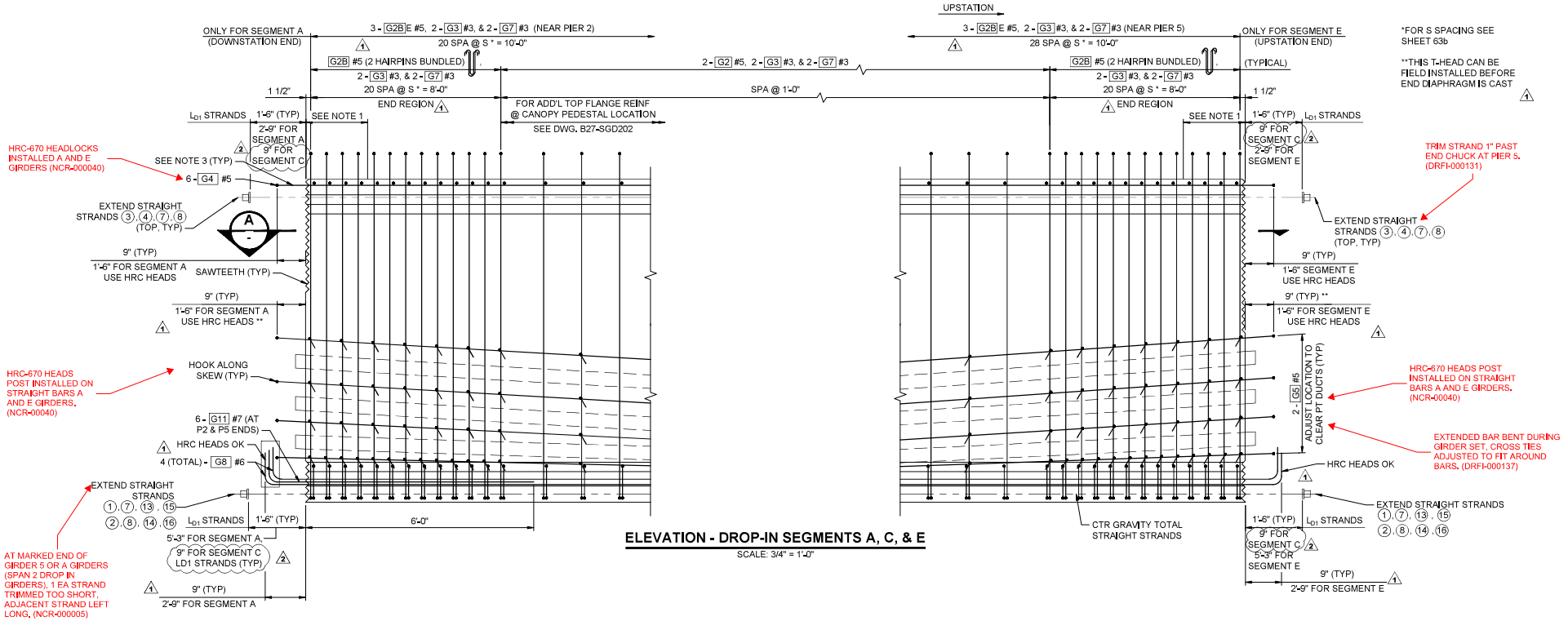
RTS PEDESTRIAN BRIDGE

UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER CAMBER DATA

DRAWING No.: B27-SGV206 — FACILITY ID: B27 — SHEET No.: 60a — REV:

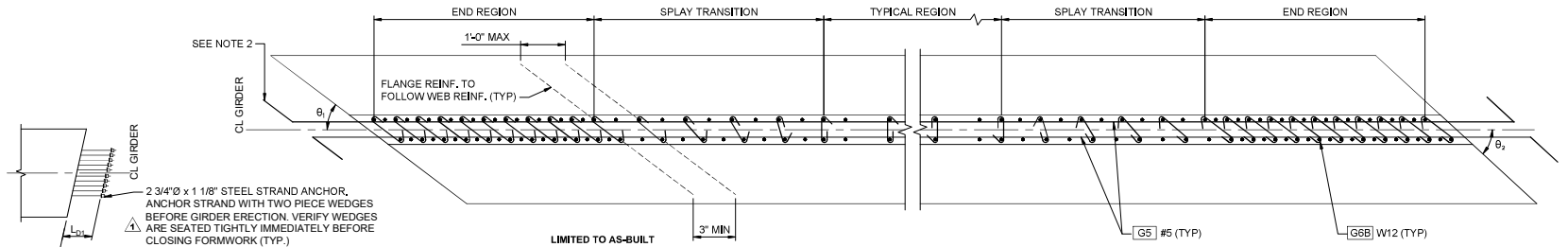
RECORD DRAWING #23-2180

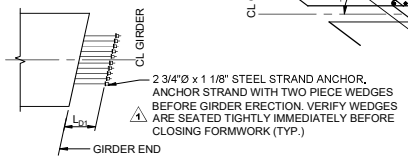
PREFLIST: I:\ENG-SBF\B2034\dwg
10/31/19 | 4:51 PM | DIETRICH HENDERSON
C:\USERS\DIETRICH.HENDERSON\DOCUMENTS\MICROSOFT_PROGRESS_SET_EXPORT\060A-B27-SGV206.DWG



ELEVATION - DROP-IN SEGMENTS A, C, & E

SCALE: 3/4" = 1'-0"





STRAND EXTENSION DETAIL

SCALE: 1/4" = 1'-0"

(ANCHOR STRAND WITH TWO PIECE WEDGES BEFORE GIRDER ERECTION. VERIFY WEDGES ARE SEATED TIGHTLY IMMEDIATELY BEFORE CLOSING FORMWORK. SECURELY TIE ANCHOR TO THE REBAR CAGE TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT)

LIMITED TO AS-BUILT INFORMATION ONLY:

SECTION A

SCALE: 3/4" = 1'-0"

(LENGTHS OF G3 AND G7 VARY WITH SKEW. ONLY TRANSVERSE WEB REINFORCING SHOWN)

NOTES:

1. SEE STIRRUP EXTENSION DETAIL IN DWG B27-SGD203.
2. BEND HOOKS AT THE EXTERIOR SIDE OF THE EXTERIOR GIRDERS 1 AND 6 INWARDS TO ALLOW FOR THE EXTERIOR WEB SURFACE OF THE WET JOINTS TO BE FORMED FLUSH.
3. BEND LONGITUDINAL EXTERIOR TOP FLANGE BARS INWARDS, BEND MIDDLE BARS OUTWARDS.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	08/21/20	SJD	KF	SJD	NDC-000030 - GIRDER SHIFT
1	03/06/20	SJD	KF	SJD	NDC-000010 - REVISED UNIT 2 GIRDERS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER
8/21/2020 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 3/4" = 1'-0"
FILENAME: 061-B27-SGD200

CityofRedmond

RTS PEDESTRIAN BRIDGE

UNIT 2 - MODIFIED WF100PTG GIRDER DETAILS
SHEET 1 OF 4

DRAWING No.: B27-SGD200
FACILITY ID: B27
SHEET No.: 61 REV.: 2

RECORD DRAWING #23-2181

08/20/20 | 8:55 PM | ALYSSA.SOLIZ
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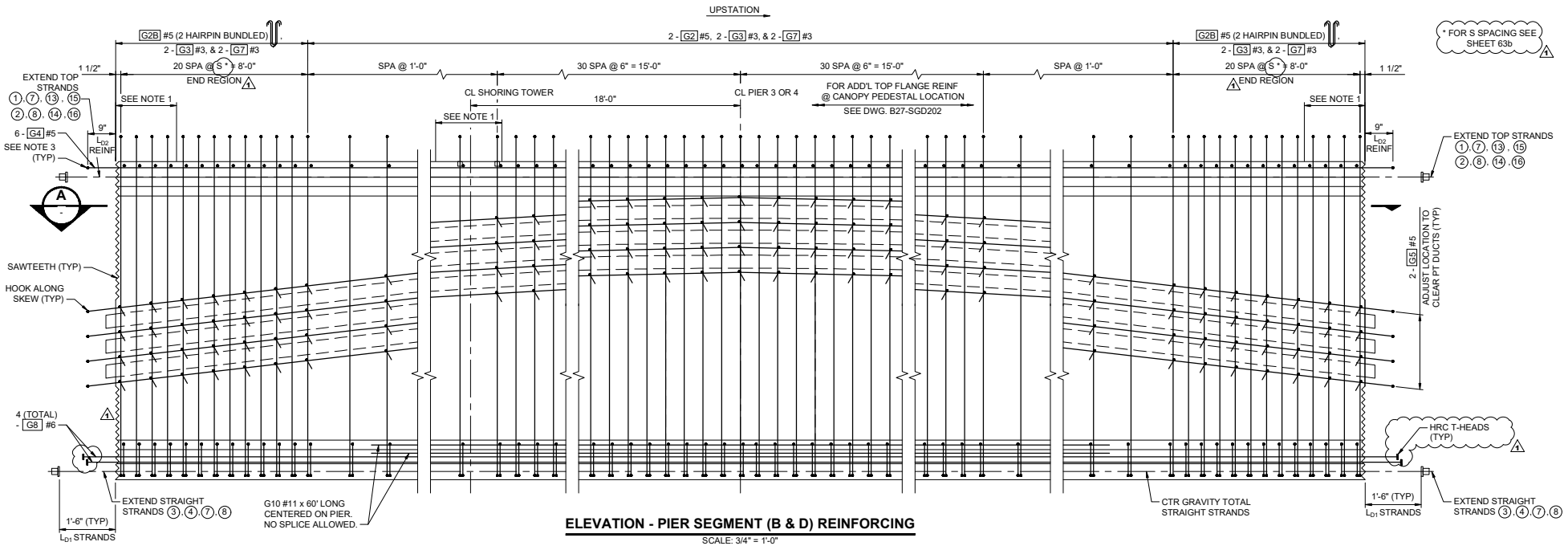
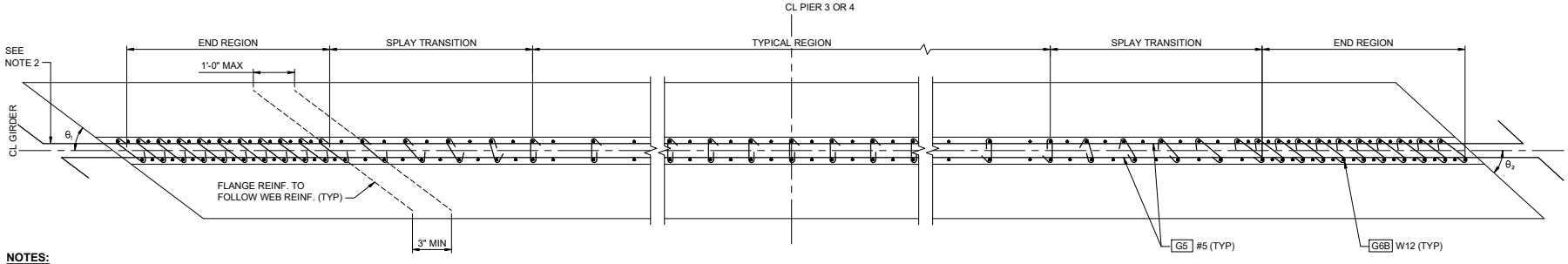


ELEVATION - PIER SEGMENT (B & D) REINFORCING

SCALE: 3/4" = 1'-0"



SECTION A

SCALE: 3/4" = 1'-0"

NOTES:

1. SEE STIRRUP EXTENSION DETAIL ON DWG B27-SGD203.
2. BEND HOOKS AT THE EXTERIOR SIDE OF THE EXTERIOR GIRDERS 1 AND 6 INWARDS TO ALLOW FOR THE EXTERIOR WEB SURFACE OF THE WET JOINTS TO BE FORMED FLUSH.
3. BEND LONGITUDINAL EXTERIOR TOP FLANGE BARS INWARDS, BEND MIDDLE BARS OUTWARDS WITH 90° HOOKS.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	03/06/20	SJD	KF	SJD	NDC-000010 - REVISED UNIT 2 GIRDERS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

3/6/20 EXP: 3/15/21

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/19

LINE IS 1" AT FULL SCALE

SCALE: 3/4" = 1'-0"
FILENAME: 062-B27-SGD201

RTS PEDESTRIAN BRIDGE

UNIT 2 - MODIFIED WF100PTG GIRDER DETAILS
SHEET 2 OF 4

DRAWING No.: B27-SGD201
FACILITY ID: B27
SHEET No.: 62
REV: 1

RECORD DRAWING #23-2182

03/04/20 | 8:40 AM | ALYSSA.SOLIZ
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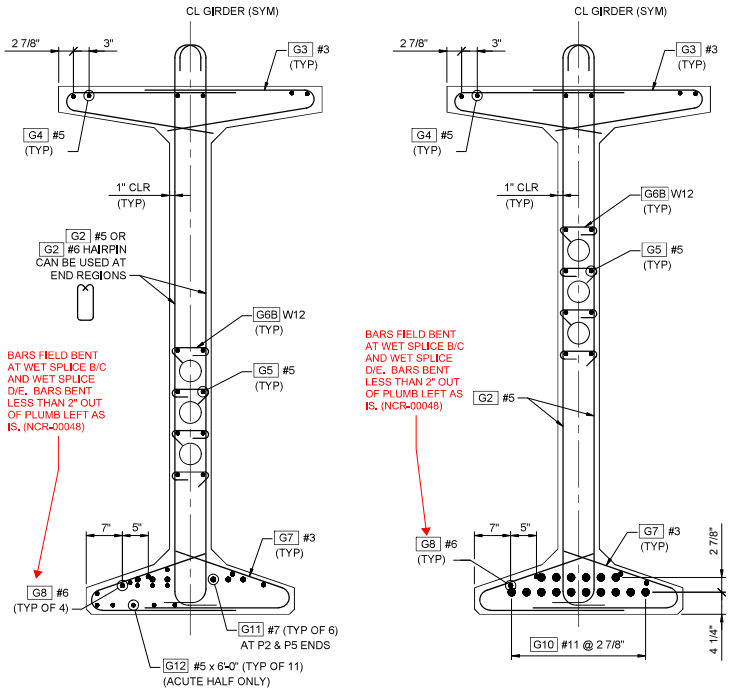
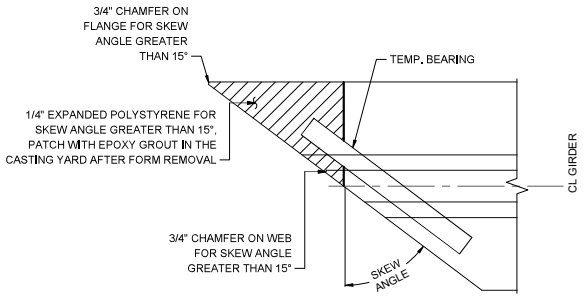
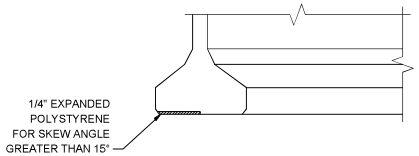


TYPICAL SECTION
SCALE: 1" = 1'-0"
(GIRDER SEGMENTS A, C & E)

TYPICAL SECTION
SCALE: 1" = 1'-0"
(GIRDER SEGMENTS B & D)



PLAN

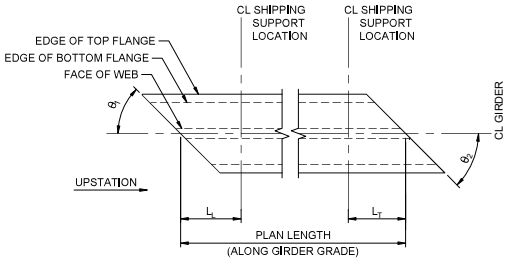


ELEVATION

NOTES:

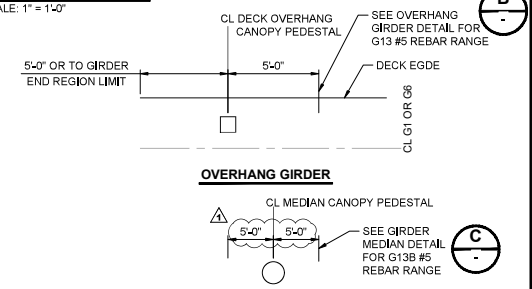
1. BEND G3 AND G7 BARS AS NEEDED WHERE CONFLICT EXISTS WITH PT DUCT.

BOTTOM FLANGE SPALL PROTECTION DETAIL
SCALE: 1" = 1'-0"



END 1 **END 2**

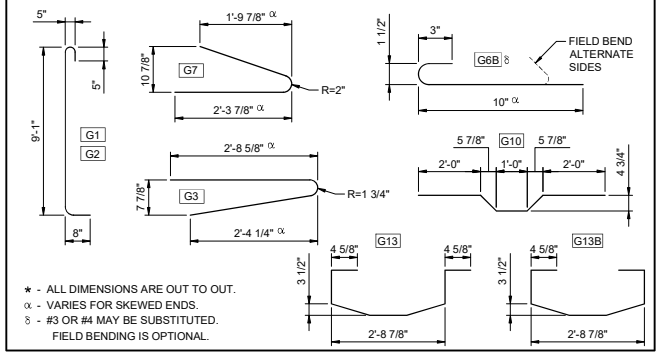
GIRDER PLAN
NTS



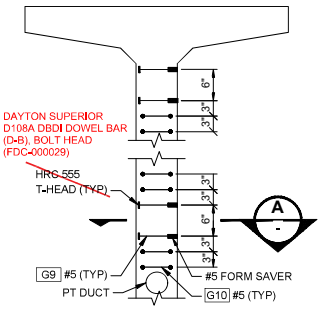
OVERHANG GIRDER

MEDIAN (HOLD DOWN PEDESTAL)

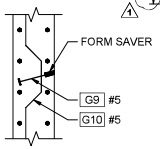
BENDING DIAGRAMS *



* - ALL DIMENSIONS ARE OUT TO OUT.
α - VARIES FOR SKEWED ENDS.
δ - #3 OR #4 MAY BE SUBSTITUTED. FIELD BENDING IS OPTIONAL.

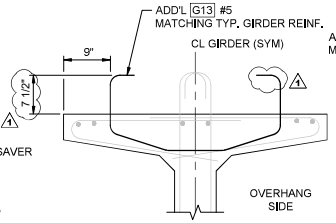


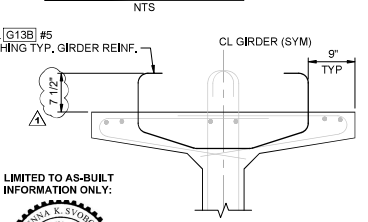
EXTERIOR GIRDER INTERMEDIATE DIAPHRAGM INSERT DETAIL (WEB CROSS SECTION)
NTS
(EXTERIOR GIRDER INTERMEDIATE DIAPHRAGM SUPPLEMENTARY REINFORCING)



SECTION A (PLAN)
NTS

GIRDER TOP FLANGE ADDITIONAL REINFORCEMENT (DECK PARTIAL PLAN)
NTS





LIMITED TO AS-BUILT INFORMATION ONLY:

OVERHANG GIRDER DETAIL B -
SCALE: 1" = 1'-0"

MEDIAN GIRDER DETAIL C -
SCALE: 1" = 1'-0"

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	03/06/20	SJD	KF	SJD	NDC-000010 - REVISED UNIT 2 GIRDERS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

3/6/20 EXP. 3/15/21

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: AS NOTED
FILENAME: 063-B27-SGD202

RTS PEDESTRIAN BRIDGE

UNIT 2 - MODIFIED WF100PTG GIRDER DETAILS
SHEET 3 OF 4

DRAWING No.: B27-SGD202
FACILITY ID: B27
SHEET No.: 63
REV.: 1

RECORD DRAWING #23-2183

03/03/20 | 1:58 PM | ALYSSA.SOLIZ
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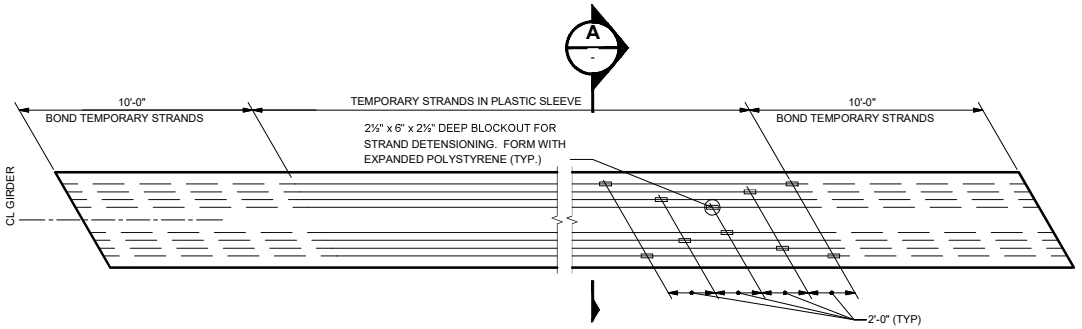
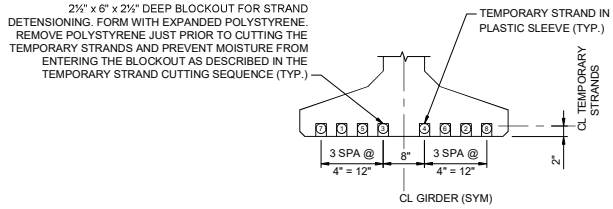


PLAN - PRETENSIONED TEMPORARY BOTTOM STRANDS

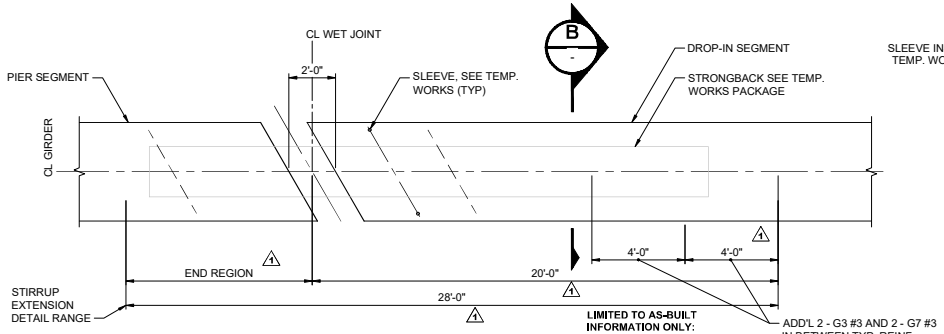
SCALE: 3/8" = 1'-0"
(SEE GIRDER SCHEDULE FOR NUMBER OF TEMPORARY STRANDS REQUIRED)



SECTION A

SCALE: 1" = 1'-0"

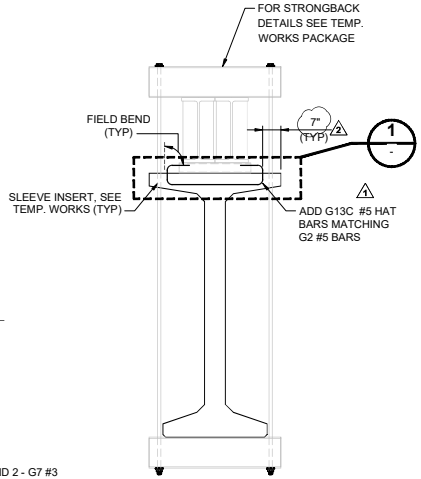
NOTES:
1. TEMPORARY STRAND LOCATION SEQUENCE SHALL BE SHOWN AS ①, ② ETC.



PLAN - STIRRUP EXTENSION DETAIL

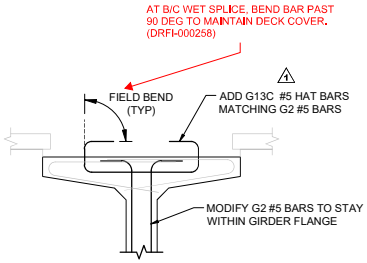
SCALE: 3/8" = 1'-0"
(TYPICAL FOR ALL WET JOINTS)

LIMITED TO AS-BUILT INFORMATION ONLY:



SECTION B

SCALE: 1/2" = 1'-0"



STIRRUP EXTENSION DETAIL 1

SCALE: 3/4" = 1'-0"

NOTES:

1. TEMPORARY BOTTOM STRANDS SHALL BE PRETENSIONED IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 6-02.3(25)L.
2. FOR GIRDERS ERECTED ON A LONGITUDINAL GRADE, STRAND DETENSIONING BLOCKOUTS SHALL BE PLACED AT THE LOW END OF THE GIRDER.
3. SEE "TEMPORARY STRAND CUTTING SEQUENCE" ON CONSTRUCTION SEQUENCE SHEET FOR TEMPORARY STRAND DETENSIONING PROCEDURE.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	07/0720	SJD	KF	SJD	NDC-000023 - REVISED HAT BAR DIMENSION
1	03/06/20	SJD	KF	SJD	NDC-000010 - REVISED UNIT 2 GIRDERS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: A. SOLIZ
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

7/7/2 EXP:3/15/21

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 063A-B27-SGD203

RTS PEDESTRIAN BRIDGE

UNIT 2 - MODIFIED WF100PTG GIRDER DETAILS
SHEET 4 OF 4

DRAWING No.: B27-SGD203
FACILITY ID: B27
SHEET No.: 63a
REV.: 2

RECORD DRAWING #23-2184

07/07/20 | 4:04 PM | ALYSSA.SOLIZ
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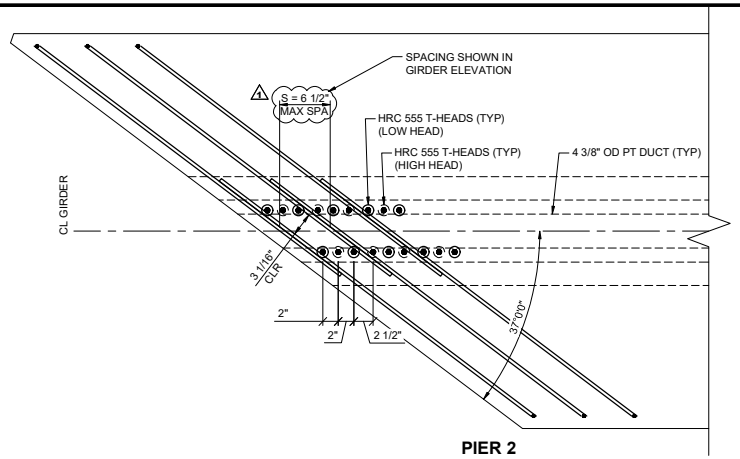
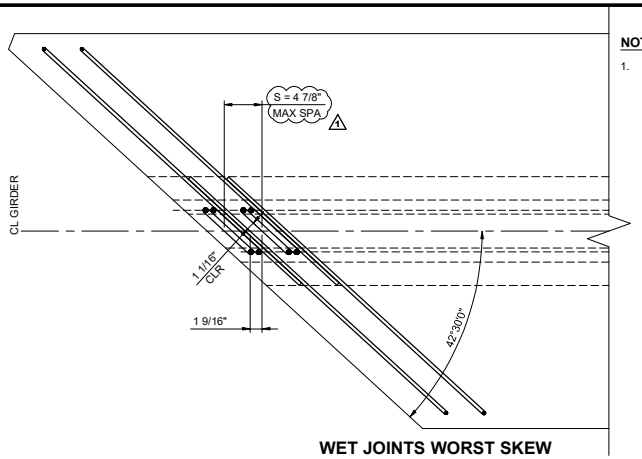


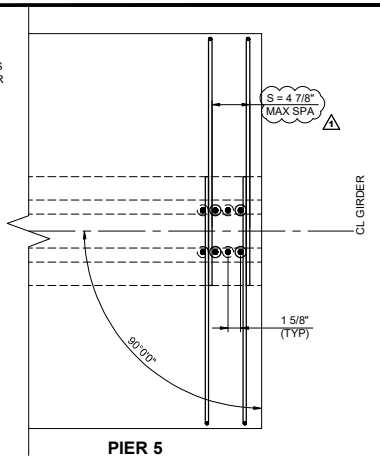
PIER 2
#5 T-HEADS + 2 x #3 TIES @ 37°
SCALE: 1 1/2" = 1'-0"



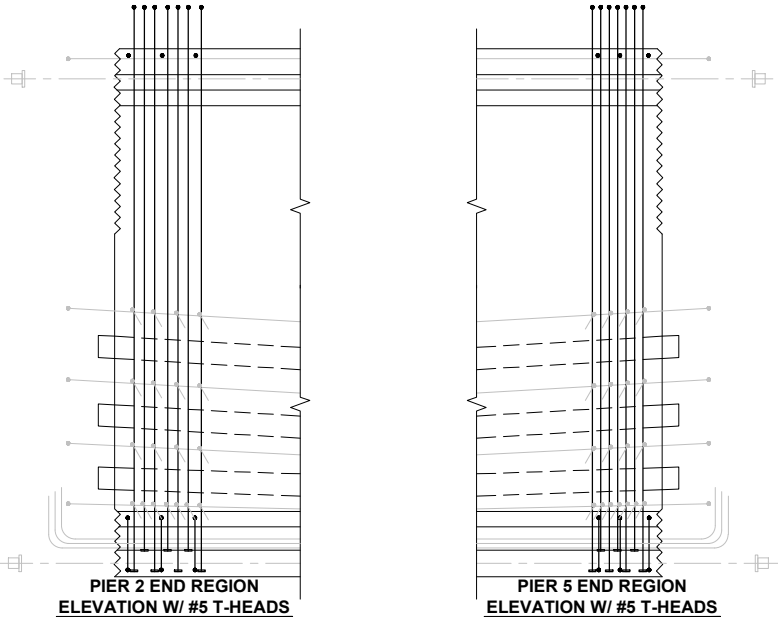
WET JOINTS WORST SKEW
2 x #5 HAIRPINS + 2 x #3 TIES @ 42°30'0"
SCALE: 1 1/2" = 1'-0"

NOTES:

1. DOUBLE LINE REBARS ARE DRAWN TO THEIR ACTUAL SIZE.

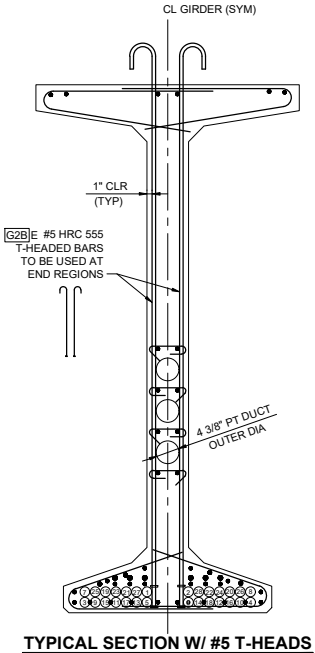


PIER 5
#5 T-HEADS + 2 x #3 TIES @ 90°
SCALE: 1 1/2" = 1'-0"

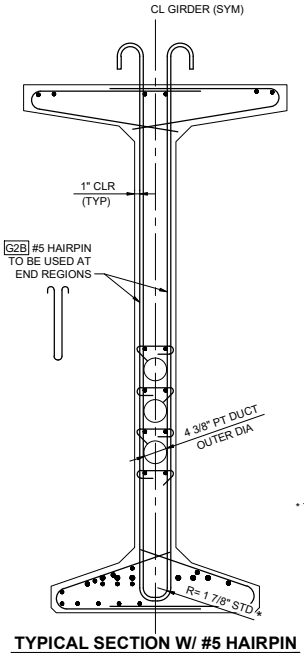


PIER 2 END REGION
ELEVATION W/ #5 T-HEADS
SCALE: 1" = 1'-0"

PIER 5 END REGION
ELEVATION W/ #5 T-HEADS
SCALE: 1" = 1'-0"



TYPICAL SECTION W/ #5 T-HEADS
SCALE: 1" = 1'-0"



TYPICAL SECTION W/ #5 HAIRPIN
SCALE: 1" = 1'-0"

* TO BE ADJSTED FOR SKEW

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	03/06/20	SJD	KF	SJD	NDC-000010 - REVISED UNIT 2 GIRDERS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: D. HENDERSON
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

STATE OF WASHINGTON — JARED J. DESPRADEL — PROFESSIONAL ENGINEER
3/6/20 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN | DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA | DATE: 11/04/19

LINE IS 1" AT FULL SCALE

City of Redmond

SCALE: AS NOTED
FILENAME: 063B-B27-SGD204

RTS PEDESTRIAN BRIDGE

UNIT 2 - MODIFIED WF100PTG
GIRDER END REGION DETAILS

DRAWING No.: **B27-SGD204**
FACILITY ID: B27
SHEET No.: 63b | REV: 1

RECORD DRAWING #23-2185

XREF LIST:
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03/03/20 | 2:09 PM | ALYSSA.SOLIZ
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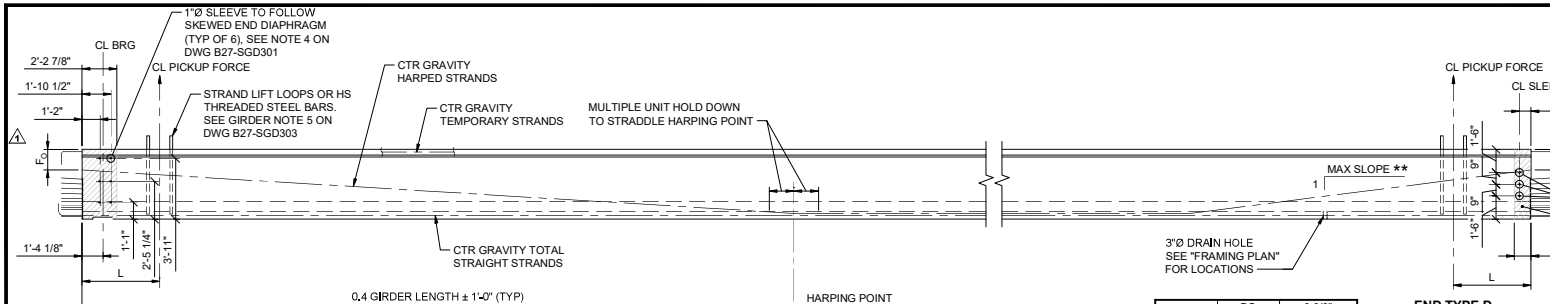


END TYPE A
(PIER 9 ONLY)

END TYPE D

NOTES:

1. SEE DRAWINGS B27-SGD301 AND B27-SGD303 FOR ADDITIONAL NOTES.

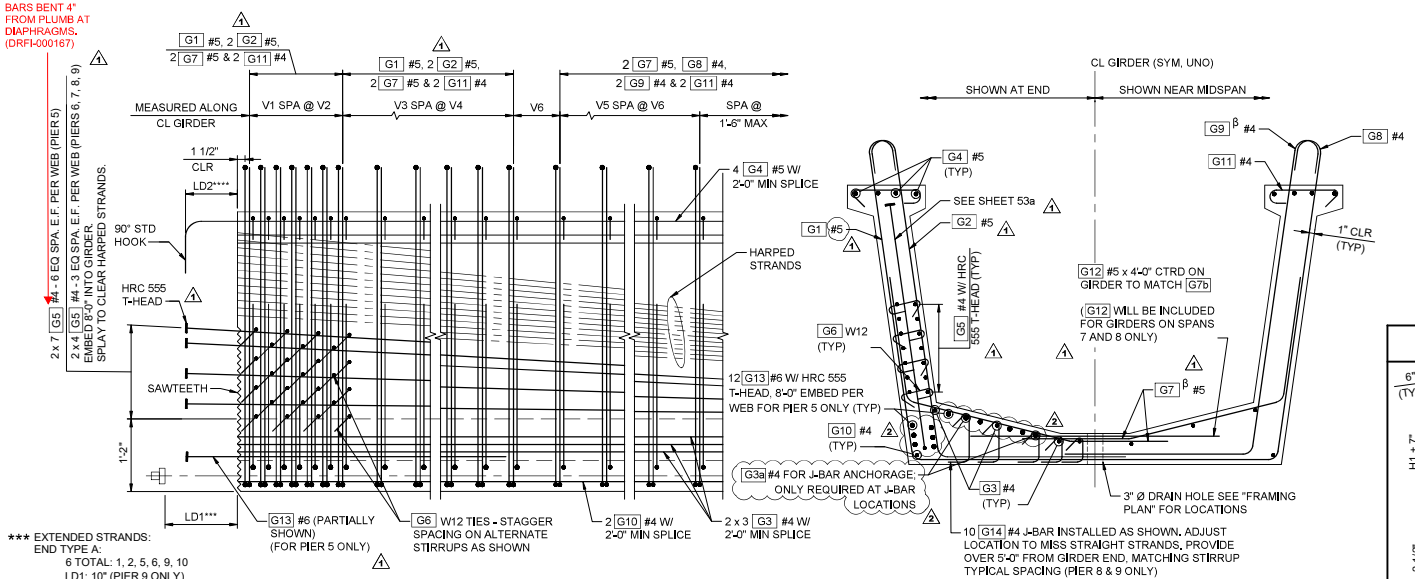
** - 8:1 MAXIMUM SLOPE FOR EACH HARPED STRAND

β - ADJUST BAR POSITION THROUGH STRANDS

PIER 6	DS	8 3/8"
	US	9"
PIER 7	DS	9"
	US	9"
PIER 8	DS	9 3/4"
	US	9 3/4"

UF54G6 GIRDER ELEVATION

SCALE: 1/4" = 1'-0"

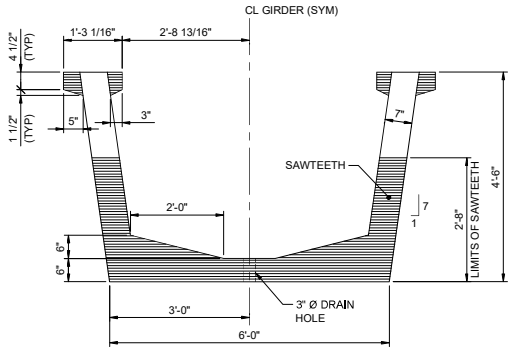


*** EXTENDED STRANDS:
END TYPE A:
6 TOTAL: 1, 2, 5, 6, 9, 10
LD1: 10" (PIER 9 ONLY)
LD1: 1'-6" (PIER 5); 1'-9" (PIER 6); 3'-7" (PIER 7); 5'-0" (PIER 8)

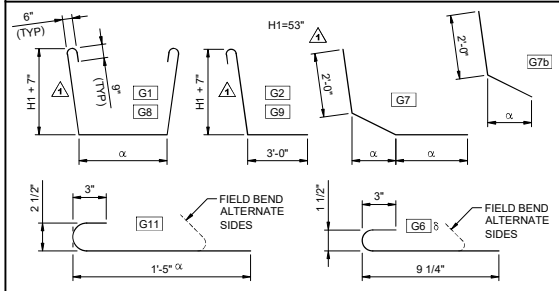
**** EXTENDED REINFORCEMENT:
END TYPE A:
LD2: 10" (PIER 9 ONLY)
END TYPE D:
LD2: 1'-7" (PIER 5); 1'-9" (PIER 6 & 7); 2'-5" (PIER 8)

TYPICAL GIRDER SECTION

SCALE: 3/4" = 1'-0"
(SHOWN AT GIRDER END)



BENDING DIAGRAMS *



* - ALL DIMENSIONS ARE OUT TO OUT.
α - VARIES FOR SKEWED ENDS.
δ - #3 OR #4 MAY BE SUBSTITUTED. FIELD BENDING IS OPTIONAL.

END TYPE D STRAND EXTENSIONS

	DOWNSTATION	UPSTATION
PIER 5	-	5-14 & 47-56
PIER 6	15-26	1-12
PIER 7	1-12	15-26
PIER 8	15-28 & 29-34	1-14 & 43-48
PIER 9	-	-

TYPICAL END ELEVATION

SCALE: 1" = 1'-0"
(END TYPE C SHOWN)

TYPICAL GIRDER SECTION REINFORCEMENT

SCALE: 1" = 1'-0"

LIMITED TO AS-BUILT INFORMATION ONLY:

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	07/07/20	SJD	KF	SJD	NDC-000023 - ADDED J-BAR ANCHORAGE BARS
1	03/06/20	SJD	KF	SJD	NDC-000010 - REVISED UNIT 3 GIRDERS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: E. HERBERT
APPROVED BY: S. DESPRADEL

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 064-B27-SGD300

RTS PEDESTRIAN BRIDGE

UNIT 3 - UF54G6 GIRDER DETAILS
SHEET 1 OF 3

DRAWING No.: B27-SGD300
FACILITY ID: B27
SHEET No.: 64
REV.: 2

RECORD DRAWING #23-2186

07/07/20 | 3:26 PM | ALYSSA.SOLIZ
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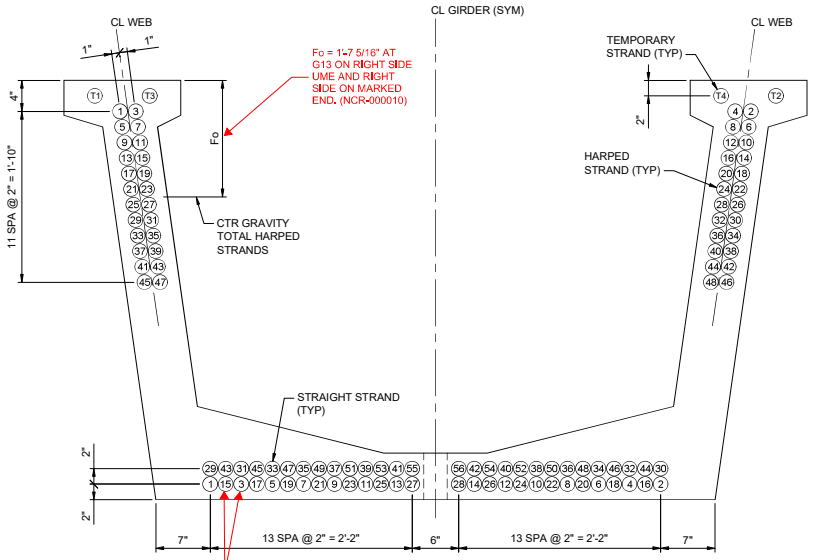
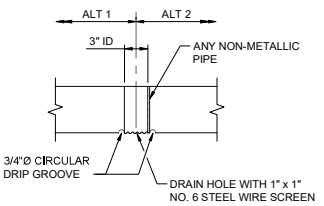


STRAND PATTERN

SCALE: 1 1/2" = 1'-0"
(SHOWN AT GIRDER END)

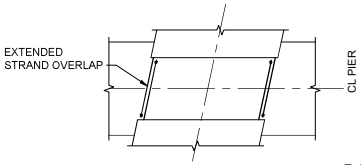


DRAIN HOLE DETAIL

SCALE: 1 1/2" = 1'-0"
(SHOWN AT BOTTOM SLAB)

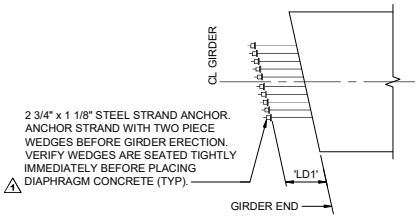
NOTES:

1. FOR LOCATION OF INTERMEDIATE DIAPHRAGMS, SEE DRAWINGS B27-SGP100 THROUGH B27-SGP109.
2. FOR LOCATION OF 3"Ø DRAIN HOLES, SEE DRAWINGS B27-SGP100 THROUGH B27-SGP109 .
3. ALL LONGITUDINAL REINFORCING SHALL HAVE A MINIMUM LAP SPLICE LENGTH OF 2'-0".
4. THE SLEEVES SHALL BE PLACED TO ALIGN WITH ANY SKEWED GIRDER ENDS. ADJUST THE SLEEVE LOCATIONS VERTICALLY TO MISS HARPED STRANDS.



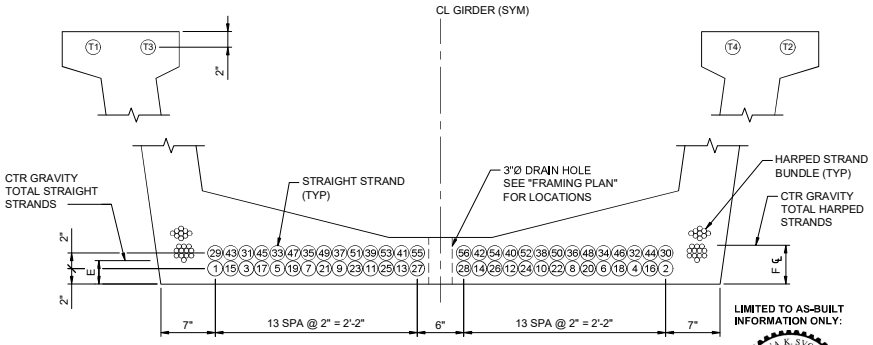
EXTENDED STRAND OVERLAP FOR PIER 8

SCALE: 1/4" = 1'-0"
(ONLY FIRST AND LAST SET OF EXTENDED STRANDS SHOWN FOR CLARITY.)



STRAND EXTENSION DETAIL

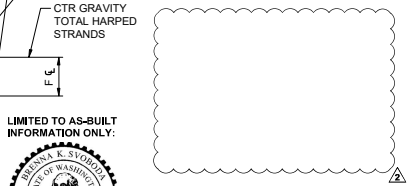
SCALE: 3/8" = 1'-0"
(ANCHOR STRAND WITH TWO PIECE WEDGES BEFORE GIRDER ERECTION. VERIFY WEDGES ARE SEATED TIGHTLY IMMEDIATELY BEFORE CLOSING FORMWORK. SECURELY TIE ANCHOR TO THE REBAR CAGE TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT.)

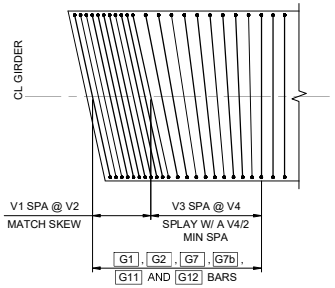


STRAND PATTERN

SCALE: 1 1/2" = 1'-0"
(SHOWN AT MID-SPAN)
(STRAIGHT STRAND LOCATION SEQUENCE SHALL BE SHOWN AS (1) , (2) ETC.)

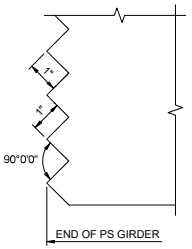
LIMITED TO AS-BUILT INFORMATION ONLY:





TRANSVERSE REINFORCING @ SKEWED ENDS

SCALE: 3/8" = 1'-0"
(LENGTH OF G1 , G7 AND G7b VARY WITH SKEW.
ONLY TRANSVERSE REINFORCEMENT SHOWN.)



SAWTOOTH DETAILS

SCALE: 6" = 1'-0"
(SAWTEETH ARE FULL WIDTH - USE SAWTOOTH KEYS FROM BOTTOM OF BOTTOM FLANGE TO BOTTOM OF LOWEST HARPED STRAND AS WELL AS TOP FLANGE ADJACENT TO HARPED STRAND.)

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	10/28/20	SJD	KF	SJD	NDC-000042 - STRAND TIE REVISIONS
1	03/06/20	SJD	KF	SJD	NDC-000010 - REVISED UNIT 3 GIRDERS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: E. HERBERT
APPROVED BY: S. DESPRADEL

10/28/20 EXP: 3/15/21

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 065-B27-SGD301

RTS PEDESTRIAN BRIDGE

UNIT 3 - UF54G6 GIRDER DETAILS
SHEET 2 OF 3

DRAWING No.: B27-SGD301
FACILITY ID: B27
SHEET No.: 65
REV.: 2

RECORD DRAWING #23-2187

10/27/20 | 7:08 PM | ALYSSA.SOLIZ
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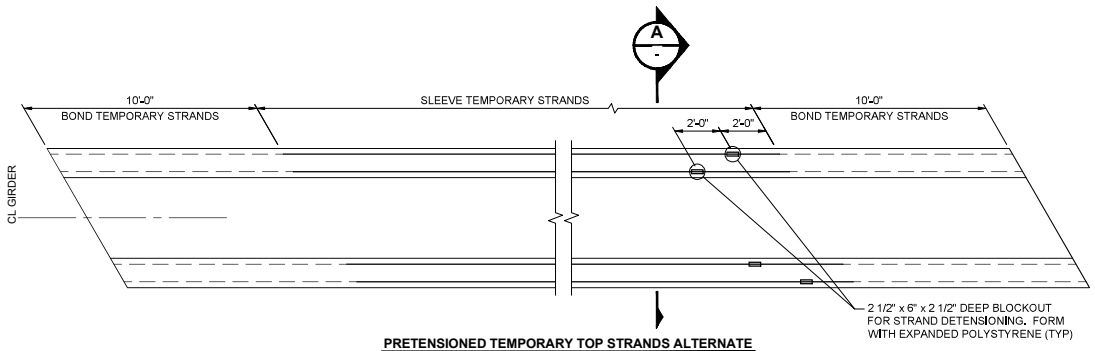
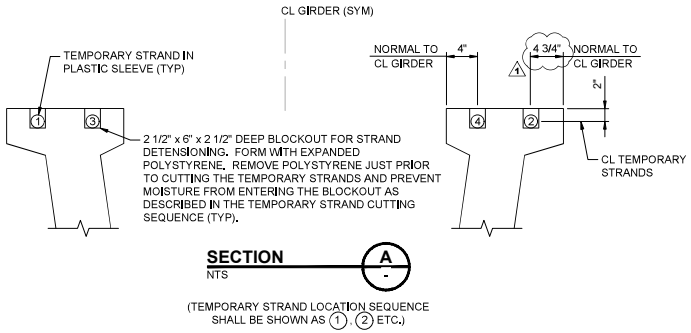


PRETENSIONED TEMPORARY TOP STRANDS ALTERNATE

PLAN

NTS

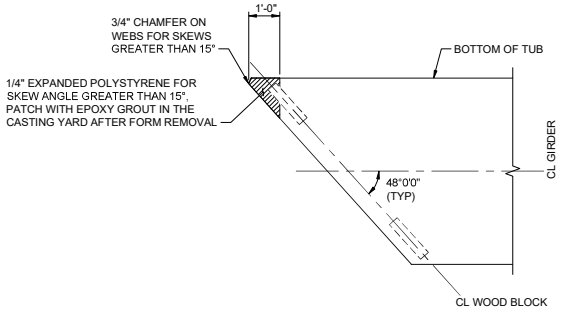
(SEE GIRDER SCHEDULE FOR NUMBER OF TEMPORARY STRANDS REQUIRED.)



SECTION A

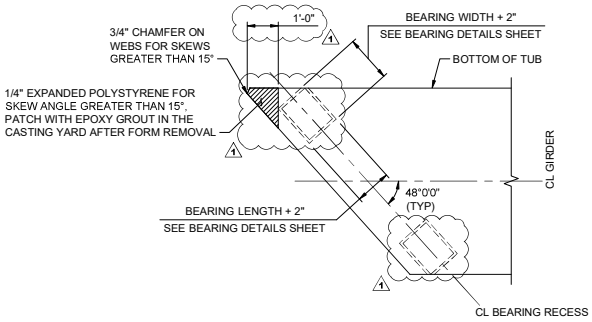
NTS

(TEMPORARY STRAND LOCATION SEQUENCE SHALL BE SHOWN AS (1), (2) ETC.)



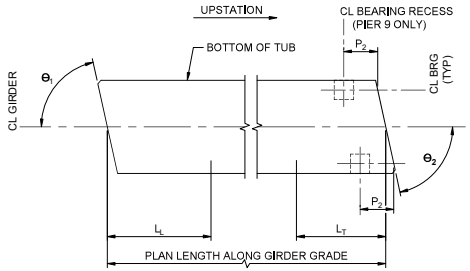
PLAN - PIER 8

SCALE: 1/2" = 1'-0"



PLAN - PIER 9

SCALE: 1/2" = 1'-0"



END 1 **END 2**

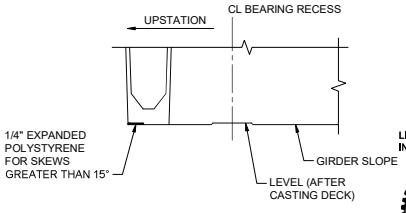
GIRDER SCHEDULE LEGEND

SCALE: 1/4" = 1'-0"

(L_L AND L_T ARE SHIPPING SUPPORT LOCATIONS AT LEAD AND TRAILING ENDS, RESPECTIVELY.)

FLANGE SPALL PROTECTION DETAIL

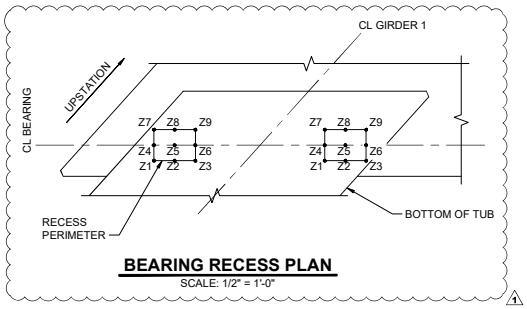
SCALE: 1/2" = 1'-0"



ELEVATION - PIER 9

NTS

LIMITED TO AS-BUILT INFORMATION ONLY:



BEARING RECESS PLAN

SCALE: 1/2" = 1'-0"

INCREASE ALL DIMENSIONS BY 1/8". (FDC-000051)

BEARING RECESS TABLE (IN)

	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Z9
P9 G1	0.00	0.32	0.64	0.09	0.42	0.74	0.19	0.51	0.83
P9 G2	0.00	0.21	0.42	0.16	0.37	0.59	0.33	0.54	0.75
P9 G3	0.00	0.10	0.20	0.23	0.33	0.43	0.47	0.57	0.67

NOTES:

1. INTERPOLATION BETWEEN POINTS WHERE BEARING IS OUTSIDE OF THE GIRDER IS PERMITTED.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	03/06/20	SJD	KF	SJD	NDC-000010 - GIRDER BEARING REVISIONS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: E. HERBERT
APPROVED BY: S. DESPRADEL

3/6/20 EXP: 3/15/21

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/19

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 066-B27-SGD302

RTS PEDESTRIAN BRIDGE

UNIT 3 - UF54G6 GIRDER DETAILS
SHEET 3 OF 3

DRAWING No.: B27-SGD302
FACILITY ID: B27
SHEET No.: 66
REV.: 1

RECORD DRAWING #23-2188

03/05/20 | 7:57 PM | ALYSSA.SOLIZ
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GIRDER SCHEDULE

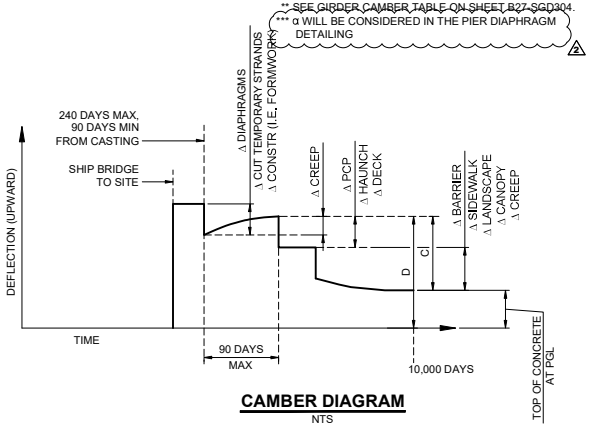
SPAN	GIRDER	GIRDER SERIES	PLAN LENGTH (ALONG GIRDER GRADE) (SEE GIRDER NOTE 1)	GIRDER END DETAILS							MIN CONC COMP STRENGTH		NUMBER OF STRANDS (SEE GIRDER NOTE 2)			LOCATION OF C.G. STRANDS			"A" DIMENSION AT ℄ BEARINGS	DECK SCREED CAMBER C	MIDSPAN VERTICAL DEFLECTION D	REINFORCEMENT DETAILS							SHIPPING AND HANDLING DETAILS					GIRDER END DETAILS	
				END 1 TYPE	END 2 TYPE	Ld	Θ1	Θ2	P1	P2	@ 28 DAYS F'C (KSI)	@ RELEASE F'CI (KSI)	STRAIGHT	HARPED	TEMPORARY	E	Fcl	Fo			UPPER BOUND @ 120 DAYS	V1	V2	V3	V4	V5	V6	H1	L	L_L	L_T	K_Θ MINIMUM SHIPPING SUPPORT ROTATIONAL SPRING CONSTANT	W_{CC} MINIMUM SHIPPING SUPPORT CTR-TO-CTR WHEEL SPACING	D/S α (DEG) (SEE GIRDER NOTE 12)	U/S α (DEG) (SEE GIRDER NOTE 12)
5	G1	UF54G6	101'-11 1/2"	D	D	*	80.79	76.65	-	-	10	7.5	56	28	4	3.00"	4.29"	15.00"	**	**	**	7	3.25"	24	4.25"	5	9"	4'-6"	5'-0"	12'-0"	12'-0"	40,000 KIP-IN/RAD	6'-0"	0.58	0.89
	G2	UF54G6	101'-6 7/8"	D	D	*	86.30	82.16	-	-	10	7.5	56	28	4	3.00"	4.29"	15.00"	**	**	**	7	3.25"	24	4.25"	5	9"	4'-6"	5'-0"	12'-0"	12'-0"	40,000 KIP-IN/RAD	6'-0"	0.61	0.89
	G3	UF54G6	102'-1 3/4"	D	D	*	91.74	87.60	-	-	10	7.5	56	28	4	3.00"	4.29"	15.00"	**	**	**	7	3.25"	24	4.25"	5	9"	4'-6"	5'-0"	12'-0"	12'-0"	40,000 KIP-IN/RAD	6'-0"	0.59	0.89
6	G1	UF54G6	88'-4 1/4"	D	D	*	90.00	90.00	-	-	10	5.5	44	18	4	2.73"	4.00"	17.44"	**	**	**	7	3.25"	24	4.25"	5	9"	4'-6"	5'-0"	3'-6"	3'-6"	40,000 KIP-IN/RAD	6'-0"	0.60***	0.89***
	G2	UF54G6	88'-4 1/4"	D	D	*	90.00	90.00	-	-	10	5.5	44	18	4	2.73"	4.00"	17.44"	**	**	**	7	3.25"	24	4.25"	5	9"	4'-6"	5'-0"	3'-6"	3'-6"	40,000 KIP-IN/RAD	6'-0"	0.60***	0.89***
	G3	UF54G6	88'-4 1/4"	D	D	*	90.00	90.00	-	-	10	5.5	44	18	4	2.73"	4.00"	17.44"	**	**	**	7	3.25"	24	4.25"	5	9"	4'-6"	5'-0"	3'-6"	3'-6"	40,000 KIP-IN/RAD	6'-0"	0.60***	0.89***
7	G1	UF54G6	79'-4 3/8"	D	D	*	90.00	48.00	-	-	10	7.5	34	14	4	2.35"	4.00"	18.43"	**	**	**	7	3.25"/ 4.875"	24	4.875"	5	9"	4'-6"	5'-0"	12'-0"	12'-0"	40,000 KIP-IN/RAD	6'-0"	0.69***	0.89***
	G2	UF54G6	88'-4 3/8"	D	D	*	90.00	48.00	-	-	10	7.5	44	18	4	2.73"	4.00"	17.44"	**	**	**	7	3.25"/ 4.875"	24	4.875"	5	9"	4'-6"	5'-0"	12'-0"	12'-0"	40,000 KIP-IN/RAD	6'-0"	0.60***	0.89***
	G3	UF54G6	97'-4 3/8"	D	D	*	90.00	48.00	-	-	10	7.5	48	24	4	2.83"	4.00"	16.00"	**	**	**	7	3.25"/ 4.875"	24	4.875"	5	9"	4'-6"	5'-0"	12'-0"	12'-0"	40,000 KIP-IN/RAD	6'-0"	0.59***	0.89***
8	G1	UF54G6	103'-5 1/2"	D	A	*	48.00	48.00	-	1'-4 1/8"	10	7.5	52	26	4	2.92"	4.15"	15.46"	**	**	**	7	4.875"	24	4.875"	5	9"	4'-6"	5'-0"	12'-0"	12'-0"	40,000 KIP-IN/RAD	6'-0"	-1.80	-1.47
	G2	UF54G6	103'-5 3/4"	D	A	*	48.00	48.00	-	1'-4 1/8"	10	7.5	52	26	4	2.92"	4.15"	15.46"	**	**	**	7	4.875"	24	4.875"	5	9"	4'-6"	5'-0"	12'-0"	12'-0"	40,000 KIP-IN/RAD	6'-0"	-1.80	-1.48
	G3	UF54G6	103'-5 3/4"	D	A	*	48.00	48.00	-	1'-4 1/8"	10	7.5	56	28	4	3.00"	4.29"	15.00"	**	**	**	7	4.875"	24	4.875"	5	9"	4'-6"	5'-0"	12'-0"	12'-0"	40,000 KIP-IN/RAD	6'-0"	-1.80	-1.42

1 2 1 1 1 2

* SEE STRAND EXTENSION DETAIL ON B27-SGD101 FOR VALUES.
** SEE GIRDER CAMBER TABLE ON SHEET B27-SGD304.
*** α WILL BE CONSIDERED IN THE PIER DIAPHRAGM DETAILING 2

GIRDER NOTES:

1. PLAN LENGTH SHALL BE INCREASED AS NECESSARY TO COMPENSATE FOR SHORTENING DUE TO PRESTRESS AND SHRINKAGE.
2. ALL PRETENSIONED AND TEMPORARY STRANDS SHALL BE 0.6"Ø AASHTO M203 GRADE 270 LOW RELAXATION STRANDS, JACKED TO 202.5 KSI.
3. CUT ALL STRANDS FLUSH WITH THE GIRDER ENDS AND PAINT WITH AN APPROVED EPOXY RESIN, EXCEPT FOR EXTENDED STRANDS AS SHOWN.
4. THE TOP SURFACE OF THE GIRDER FLANGE SHALL BE ROUGHENED IN ACCORDANCE WITH SECTION 6-02.3(25)H OF THE STANDARD SPECIFICATIONS.
5. LIFTING EMBEDMENTS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 6-02.3(25)L OF THE STANDARD SPECIFICATIONS.
6. CAUTION SHALL BE EXERCISED IN HANDLING AND PLACING GIRDERS. ALL GIRDERS SHALL BE CHECKED BY THE CONTRACTOR TO ENSURE THAT THEY ARE BRACED ADEQUATELY TO PREVENT TIPPING AND TO CONTROL LATERAL BENDING, INCLUDING THE GIRDER WEBS DURING SHIPPING AND HANDLING. ONCE ERECTED, ALL GIRDERS SHALL BE BRACED LATERALLY TO PREVENT TIPPING UNTIL THE DIAPHRAGMS ARE CAST AND CURED.
7. FORMS FOR BEARING PAD RECESSES SHALL BE CONSTRUCTED AND FASTENED IN SUCH A MANNER AS TO NOT CAUSE DAMAGE TO THE GIRDER DURING THE STRAND RELEASE OPERATION.
8. TEMPORARY TOP STRANDS SHALL BE EITHER PRETENSIONED OR POST-TENSIONED IN ACCORDANCE WITH SECTION 6-02.3(25)L OF THE STANDARD SPECIFICATIONS AND THE GIRDER DETAILS SHEETS. THE LIFTING LOCATION "L" AND CONCRETE RELEASE STRENGTH "F'CI" SHOWN IN THE GIRDER SCHEDULE ASSUME THAT THE TEMPORARY TOP STRANDS ARE PRETENSIONED. ALTERNATIVELY, POST-TENSIONED TEMPORARY TOP STRANDS MAY BE USED IF THE LIFTING POINTS IN THE GIRDER SCHEDULE ARE MAINTAINED AND THE STRANDS ARE STRESSED PRIOR TO LIFTING THE GIRDER FROM THE FORM.
9. FOR DIAPHRAGMS, OMIT HOLES AND PLACE INSERTS ON THE INTERIOR FACE OF THE EXTERIOR WEB OF EXTERIOR GIRDERS UNLESS NOTED OTHERWISE. PLACE HOLES AND INSERTS PARALLEL TO SKEW.
10. DEFORMED WELDED WIRE REINFORCEMENT CONFIRMING TO SECTION 9-07.7 WITH DEFORMED WIRE CONFORMING TO SECTION 9-07.8 MAY BE SUBSTITUTED FOR MILD STEEL REINFORCEMENT IF AASHTO LRFD BRIDGE DESIGN SPECIFICATION REQUIREMENTS (INCLUDING DEVELOPMENT AND ANCHORAGE) ARE MET. WELDED WIRE REINFORCEMENT SHALL HAVE THE SAME AREA AND SPACING AS THE MILD STEEL REINFORCEMENT THAT IT REPLACES AND THE YIELD STRENGTH SHALL BE GREATER THAN OR EQUAL TO 60 KSI. SHEAR STIRRUP LONGITUDINAL WIRES AND TACK WELDS SHALL BE EXCLUDED FROM GIRDER WEBS. LONGITUDINAL WIRES FOR ANCHORAGE OF WELDED WIRE REINFORCEMENT SHALL HAVE AN AREA OF 40% OR MORE OF THE AREA OF THE WIRE BEING ANCHORED BUT SHALL NOT BE LESS THAN D4.
11. SPECIAL ATTENTION SHALL BE PAID TO THE SKEWED GIRDER ENDS DURING RELEASE OF THE STRANDS. IF CRACKS ARE OBSERVED, THE PRECASTER SHALL TAKE CORRECTIVE ACTION, SUCH AS RELEASING THE TOP STRANDS FIRST, APPLYING AN UPWARD FORCE ON THE LIFTING LUGS, ETC., TO MITIGATE CRACKING BEFORE PROCEEDING.
12. SEE DWG B27-SGD103 FOR GIRDER END DETAILS. 2



CAMBER DIAGRAM
NTS

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	04/01/20	SJD	KF	SJD	NDC-000014 - REVISED GIRDER END SLOPES
1	03/06/20	SJD	KF	SJD	NDC-000010 - REVISED UNIT 3 GIRDERS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: E. HERBERT
APPROVED BY: S. DESPRADEL

4-1-2020 EXP. 3-15-2021

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/19

LINE IS 1" AT FULL SCALE

SCALE: NTS
FILENAME: 067-B27-SGD303

RTS PEDESTRIAN BRIDGE
UNIT 3 - UF54G6 GIRDER SCHEDULE & NOTES

DRAWING No.: B27-SGD303
FACILITY ID: B27
SHEET No.: 67 REV: 2

RECORD DRAWING #23-2189

04/01/20 | 10:19 AM | ALYSSA.SOLIZ
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GIRDER TABLE

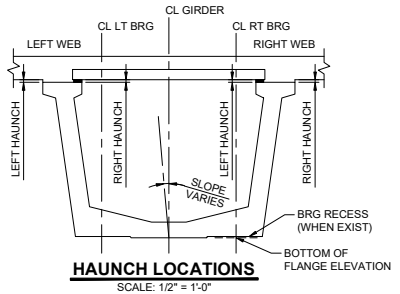
GIRDER 1		SPAN 5											SPAN 6											SPAN 7											SPAN 8										
BEARING TYPE		CL PERM BRG	-	-	-	-	-	-	-	-	-	CL TEMP BRG	CL TEMP BRG	-	-	-	-	-	-	-	-	-	CL TEMP BRG	CL TEMP BRG	-	-	-	-	-	-	-	-	-	CL TEMP BRG	CL TEMP BRG	-	-	-	-	-	-	-	-	-	CL PERM BRG
10TH POINTS		0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
LOCATION ON GIRDER (FT)		0.00	10.07	20.13	30.20	40.26	50.33	60.40	70.46	80.53	90.59	100.66	0.00	8.73	17.47	26.20	34.94	43.67	52.40	61.14	69.87	78.60	87.34	0.00	7.82	15.63	23.45	31.27	39.09	46.90	54.72	62.54	70.36	78.17	0.00	10.14	20.28	30.42	40.56	50.70	60.84	70.98	81.12	91.26	101.40
"D" Δ,PRIOR TO DECK POUR (IN) (+ UPWARDS)		-0.22	0.42	0.97	1.39	1.69	1.80	1.74	1.48	1.09	0.55	-0.13	-0.12	0.42	0.84	1.15	1.35	1.41	1.35	1.15	0.84	0.42	-0.12	-0.11	0.23	0.49	0.68	0.81	0.85	0.81	0.69	0.49	0.23	-0.11	-0.13	0.48	0.95	1.31	1.52	1.55	1.40	1.07	0.60	0.00	-0.73
"C" Δ,DEFLECTION YET TO OCCUR (IN) (+ UPWARDS)		-0.07	-0.66	-1.17	-1.55	-1.78	-1.83	-1.73	-1.49	-1.15	-0.77	-0.43	-0.36	-0.31	-0.34	-0.37	-0.40	-0.41	-0.39	-0.33	-0.25	-0.17	-0.11	-0.11	-0.15	-0.21	-0.25	-0.28	-0.27	-0.22	-0.15	-0.06	0.03	0.06	0.04	-0.14	-0.39	-0.65	-0.87	-1.00	-1.04	-0.98	-0.80	-0.53	-0.21
"A" (IN)		13.00	-	-	-	-	-	-	-	-	-	11.00	11.75	-	-	-	-	-	-	-	-	-	11.25	11.50	-	-	-	-	-	-	-	-	-	10.45	14.00	-	-	-	-	-	-	-	-	-	11.50
LEFT WEB	LEFT HAUNCH (IN)	1.42	1.53	1.57	1.35	1.34	1.47	1.38	1.46	1.59	1.81	1.96	2.64	2.09	1.60	1.32	1.14	1.08	1.10	1.23	1.46	1.78	2.25	2.50	2.11	1.82	1.59	1.40	1.26	1.16	1.13	1.15	1.23	1.45	1.26	5.33	4.52	3.82	3.22	2.74	2.32	1.99	1.68	1.41	1.39
	RIGHT HAUNCH (IN)	1.84	1.75	1.79	1.57	1.57	1.58	1.49	1.57	1.70	1.80	2.00	2.75	2.09	1.60	1.32	1.14	1.08	1.10	1.23	1.46	1.78	2.25	2.50	2.11	1.82	1.59	1.40	1.26	1.16	1.13	1.15	1.23	1.45	1.85	5.33	4.52	3.82	3.22	2.74	2.32	1.99	1.68	1.41	1.50
RIGHT WEB	LEFT HAUNCH (IN)	3.58	3.34	3.14	2.92	2.67	2.32	2.23	2.07	1.96	1.70	1.72	2.65	2.09	1.60	1.32	1.14	1.08	1.10	1.23	1.46	1.78	2.25	2.50	2.11	1.82	1.59	1.40	1.26	1.16	1.13	1.15	1.23	1.45	4.41	5.33	4.52	3.82	3.22	2.74	2.32	1.99	1.68	1.41	2.50
	RIGHT HAUNCH (IN)	4.00	3.68	3.48	3.26	3.02	2.55	2.46	2.30	1.95	1.81	1.64	2.64	2.09	1.60	1.32	1.14	1.08	1.10	1.23	1.46	1.78	2.25	2.50	2.11	1.82	1.59	1.40	1.26	1.16	1.13	1.15	1.23	1.45	5.00	5.33	4.52	3.82	3.22	2.74	2.32	1.99	1.68	1.41	1.17

GIRDER 2		SPAN 5											SPAN 6											SPAN 7											SPAN 8										
BEARING TYPE		CL PERM BRG	-	-	-	-	-	-	-	-	-	CL TEMP BRG	CL TEMP BRG	-	-	-	-	-	-	-	-	-	CL TEMP BRG	CL TEMP BRG	-	-	-	-	-	-	-	-	-	CL TEMP BRG	CL TEMP BRG	-	-	-	-	-	-	-	-	-	CL PERM BRG
10TH POINTS		0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
LOCATION ON GIRDER (FT)		0.00	10.03	20.06	30.09	40.12	50.15	60.18	70.21	80.24	90.27	100.30	0.00	8.73	17.47	26.20	34.94	43.67	52.40	61.14	69.87	78.60	87.34	0.00	8.72	17.44	26.15	34.87	43.59	52.31	61.02	69.74	78.46	87.18	0.00	10.14	20.28	30.42	40.56	50.70	60.84	70.98	81.12	91.26	101.40
"D" Δ,PRIOR TO DECK POUR (IN) (+ UPWARDS)		-0.24	0.34	0.81	1.18	1.45	1.55	1.51	1.29	0.94	0.47	-0.13	-0.12	0.42	0.84	1.15	1.35	1.41	1.35	1.15	0.84	0.42	-0.12	-0.12	0.41	0.84	1.15	1.35	1.42	1.35	1.15	0.84	0.42	-0.12	-0.13	0.53	1.05	1.46	1.73	1.80	1.69	1.41	0.96	0.40	-0.31
"C" Δ,DEFLECTION YET TO OCCUR (IN) (+ UPWARDS)		-0.07	-0.51	-0.89	-1.15	-1.30	-1.32	-1.23	-1.02	-0.75	-0.42	-0.14	-0.09	-0.05	-0.09	-0.15	-0.20	-0.23	-0.24	-0.21	-0.17	-0.11	-0.08	-0.09	-0.14	-0.22	-0.28	-0.31	-0.32	-0.28	-0.22	-0.14	-0.07	-0.07	-0.12	-0.32	-0.58	-0.84	-1.02	-1.10	-1.08	-0.95	-0.70	-0.38	-0.03
"A" (IN)		11.25	-	-	-	-	-	-	-	-	-	11.25	12.00	-	-	-	-	-	-	-	-	-	11.25	12.00	-	-	-	-	-	-	-	-	-	11.50	11.50	-	-	-	-	-	-	-	-	-	11.75
LEFT WEB	LEFT HAUNCH (IN)	2.03	1.90	1.84	1.66	1.59	1.56	1.44	1.50	1.50	1.69	2.04	2.76	2.04	1.64	1.31	1.09	1.00	1.00	1.09	1.30	1.58	2.02	2.77	2.23	1.82	1.51	1.28	1.16	1.13	1.20	1.37	1.66	2.36	2.07	1.90	1.64	1.49	1.41	1.43	1.51	1.67	1.87	2.12	2.44
	RIGHT HAUNCH (IN)	2.25	2.14	2.08	1.90	1.71	1.68	1.68	1.74	1.86	1.93	2.25	3.00	2.27	1.86	1.54	1.32	1.22	1.22	1.32	1.52	1.81	2.25	3.00	2.45	2.04	1.74	1.50	1.38	1.35	1.42	1.60	1.89	2.50	2.50	2.12	1.87	1.72	1.63	1.65	1.74	1.90	2.09	2.35	2.75
RIGHT WEB	LEFT HAUNCH (IN)	2.19	2.02	1.96	1.78	1.71	1.56	1.56	1.62	1.62	1.81	2.11	2.88	2.27	1.86	1.54	1.32	1.22	1.22	1.32	1.52	1.81	2.25	3.00	2.45	2.04	1.74	1.50	1.38	1.35	1.42	1.60	1.89	2.50	2.44	2.12	1.87	1.72	1.63	1.65	1.74	1.90	2.09	2.35	2.69
	RIGHT HAUNCH (IN)	1.93	1.78	1.72	1.54	1.47	1.32	1.32	1.38	1.38	1.57	1.84	2.76	2.04	1.64	1.31	1.09	1.00	1.00	1.09	1.30	1.58	2.02	2.77	2.23	1.82	1.51	1.28	1.16	1.13	1.20	1.37	1.66	2.04	2.39	1.90	1.64	1.49	1.41	1.43	1.51	1.67	1.87	2.12	2.64

GIRDER 3		SPAN 5											SPAN 6											SPAN 7											SPAN 8										
BEARING TYPE		CL PERM BRG	-	-	-	-	-	-	-	-	-	CL TEMP BRG	CL TEMP BRG	-	-	-	-	-	-	-	-	-	CL TEMP BRG	CL TEMP BRG	-	-	-	-	-	-	-	-	-	CL TEMP BRG	CL TEMP BRG	-	-	-	-	-	-	-	-	-	CL PERM BRG
10TH POINTS		0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
LOCATION ON GIRDER (FT)		0.00	10.09	20.18	30.26	40.35	50.44	60.53	70.61	80.70	90.79	100.88	0.00	8.73	17.47	26.20	34.94	43.67	52.40	61.14	69.87	78.60	87.34	0.00	9.62	19.24	28.85	38.47	48.09	57.71	67.33	76.95	86.56	96.18	0.00	10.14	20.28	30.42	40.56	50.70	60.84	70.98	81.12	91.26	101.40
"D" Δ,PRIOR TO DECK POUR (IN) (+ UPWARDS)		-0.25	0.39	0.92	1.34	1.63	1.75	1.69	1.45	1.05	0.53	-0.13	-0.12	0.42	0.84	1.15	1.35	1.41	1.35	1.15	0.84	0.42	-0.12	-0.13	0.47	0.97	1.35	1.61	1.69	1.61	1.36	0.98	0.49	-0.13	-0.14	0.69	1.37	1.90	2.25	2.38	2.29	1.97	1.48	0.82	0.02
"C" Δ,DEFLECTION YET TO OCCUR (IN) (+ UPWARDS)		-0.13	-0.60	-0.99	-1.27	-1.39	-1.37	-1.22	-0.95	-0.59	-0.22	0.06	0.12	0.15	0.08	0.00	-0.08	-0.14	-0.18	-0.17	-0.15	-0.11	-0.09	-0.10	-0.19	-0.32	-0.42	-0.49	-0.51	-0.48	-0.43	-0.37	-0.31	-0.35	-0.43	-0.69	-0.99	-1.22	-1.36	-1.39	-1.30	-1.09	-0.77	-0.37	0.03
"A" (IN)		13.25	-	-	-	-	-	-	-	-	-	11.50	12.00	-	-	-	-	-	-	-	-	-	10.75	11.25	-	-	-	-	-	-	-	-	-	14.00	11.50	-	-	-	-	-	-	-	-	-	11.50
LEFT WEB	LEFT HAUNCH (IN)	4.25	3.91	3.70	3.47	3.22	3.01	2.71	2.61	2.45	2.40	2.50	2.99	2.32	1.85	1.47	1.19	1.04	1.00	1.02	1.16	1.39	1.75	2.25	1.79	1.47	1.25	1.11	1.10	1.20	1.46	1.82	2.32	5.00	2.50	1.93	1.61	1.37	1.22	1.17	1.24	1.40	1.64	1.95	2.47
	RIGHT HAUNCH (IN)	3.79	3.45	3.23	3.12	2.88	2.66	2.49	2.38	2.34	2.30	2.48	3.00	2.32	1.85	1.47	1.19	1.04	1.00	1.02	1.16	1.39	1.75	2.25	1.79	1.47	1.25	1.11	1.10	1.20	1.46	1.82	2.32	4.36	2.47	1.93	1.61	1.37	1.22	1.17	1.24	1.40	1.64	1.95	2.44
RIGHT WEB	LEFT HAUNCH (IN)	1.89	1.74	1.65	1.66	1.53	1.56	1.51	1.64	1.72	1.91	2.33	2.98	2.32	1.85	1.47	1.19	1.04	1.00	1.02	1.16	1.39	1.75	2.25	1.79	1.47	1.25	1.11	1.10	1.20	1.46	1.82	2.32	1.81	2.41	1.93	1.61	1.37	1.22	1.17	1.24	1.40	1.64	1.95	2.50
	RIGHT HAUNCH (IN)	1.43	1.40	1.42	1.31	1.31	1.45	1.28	1.41	1.61	1.81	2.35	2.87	2.32	1.85	1.47	1.19	1.04	1.00	1.02	1.16	1.39	1.75	2.25	1.79	1.47	1.25	1.11	1.10	1.20	1.46	1.82	2.32	1.17	2.50	1.93	1.61	1.37	1.22	1.17	1.24	1.40	1.64	1.95	2.47

BOTTOM OF GIRDER ELEVATION AT CL BEARING

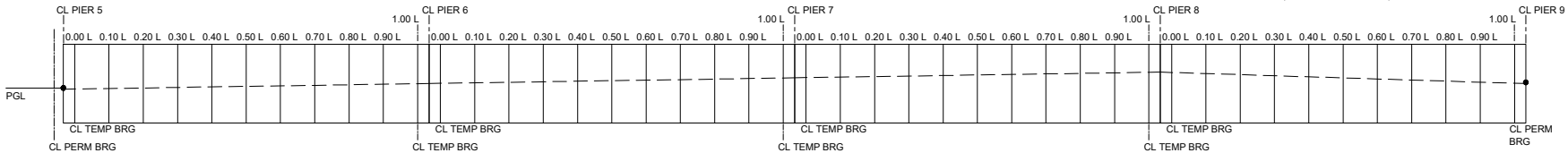
	PIER 5	PIER 6		PIER 7		PIER 8		PIER 9
	CL PERM BRG	CL TEMP BRG	CL TEMP BRG	CL TEMP BRG	CL TEMP BRG	CL TEMP BRG	CL TEMP BRG	CL PERM BRG
	UPSTATION	DOWNSTATION	UPSTATION	DOWNSTATION	UPSTATION	DOWNSTATION	UPSTATION	DOWNSTATION
CL G1 LT BRG	384.21	386.15	386.18	387.55	387.62	388.88	388.93	386.23
CL G1 RT BRG	384.16	386.11	386.12	387.49	387.56	388.88	388.76	386.06
CL G2 LT BRG	384.49	386.05	386.06	387.48	387.50	388.88	388.92	385.71
CL G2 RT BRG	384.49	386.06	386.06	387.48	387.50	388.94	388.79	385.59
CL G3 LT BRG	384.15	386.02	386.05	387.54	387.57	388.74	388.67	385.43
CL G3 RT BRG	384.22	386.08	386.11	387.60	387.63	388.85	388.61	385.36



HAUNCH LOCATIONS

SCALE: 1/2" = 1'-0"

(LOOKING UPSTATION)



ELEVATION: UNIT 3 GIRDER CAMBER LOCATIONS

NTS

DESIGN PACKAGE DP022

IFC SUBMITTAL

No.	DATE	DSN	CHK	APP	REVISION
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: E. HERBERT
APPROVED BY: S. DESPRADEL

STATE OF WASHINGTON — JAMES J. DESPRADEL — 19009 — REGISTERED PROFESSIONAL ENGINEER
11/05/2019 EXP: 03-15-21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: NTS
FILENAME: 067A-B27-SGD304

RTS PEDESTRIAN BRIDGE

UNIT 3 - UF54G6 GIRDER CAMBER DATA

DRAWING No.: **B27-SGD304**
FACILITY ID: B27
SHEET No.: 67a
REV:

RECORD DRAWING #23-2190

10/31/19 | 4:52 PM | DIETRICH HENDERSON
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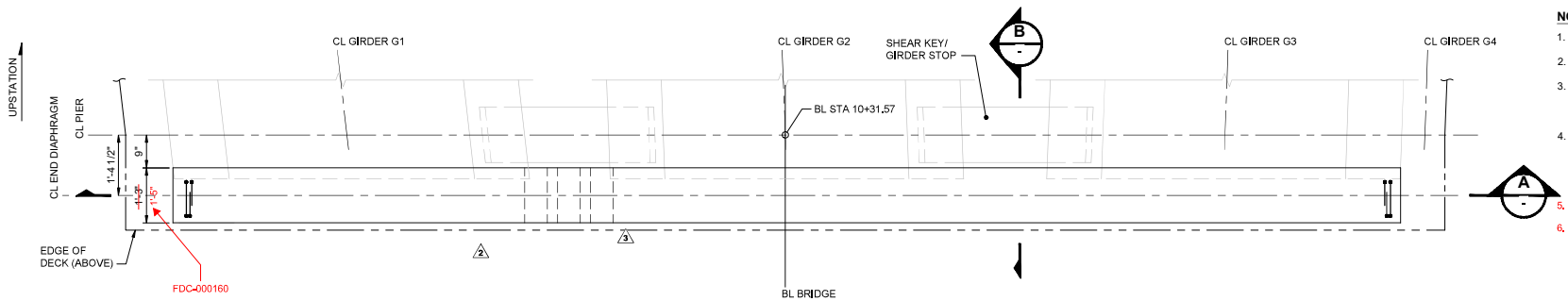
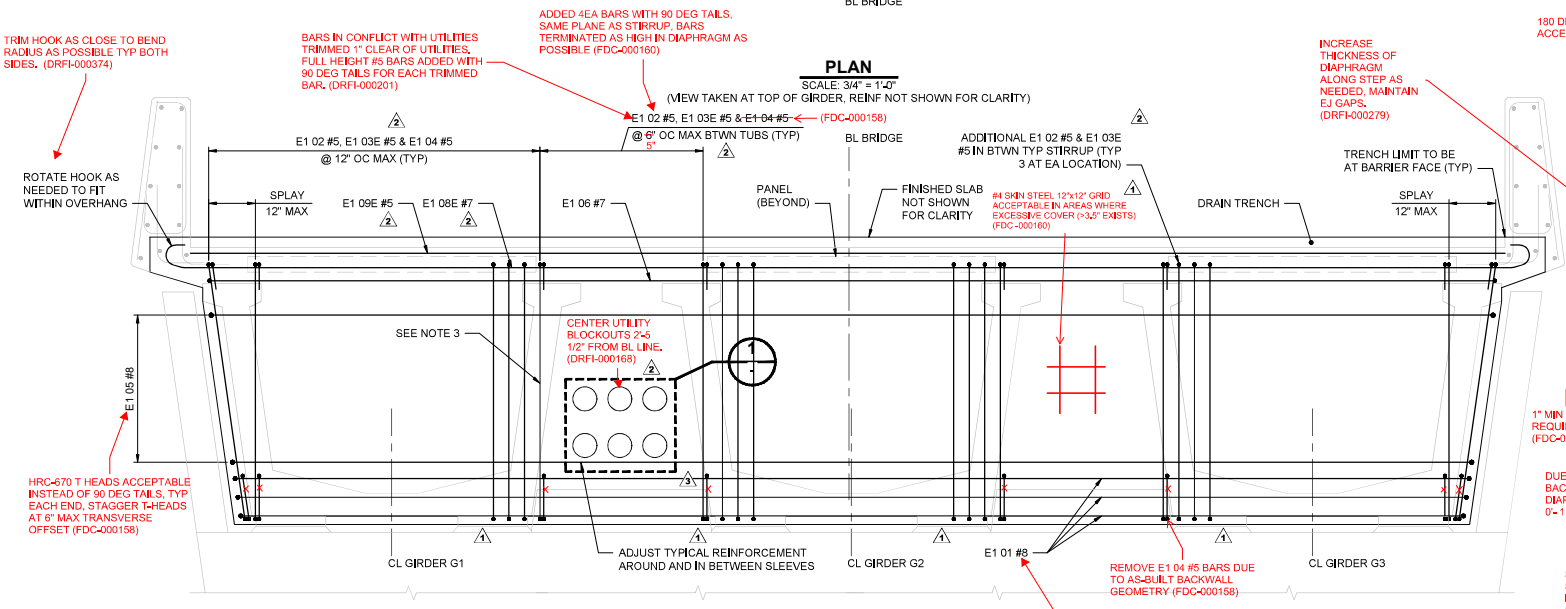
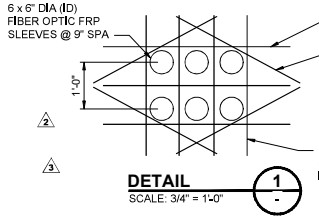


NOTES:

1. GIRDERS SHALL BE HELD RIGIDLY IN PLACE WHEN DIAPHRAGMS ARE PLACED.
2. FOR CONCRETE PLACEMENT PROCEDURE SEE CONSTRUCTION SEQUENCE SHEETS.
3. WHEN UTILITY DUCTS OR SLEEVES OBSTRUCT THE BAR, BUNDLE BARS AT EACH SIDE OF THE UTILITY DUCT, OR GROUP OF SLEEVES. PLACE ONE BAR BETWEEN SLEEVES.
4. MAXIMUM AGGREGATE SIZE IS 3/4". MIX DESIGN FOR THIS DIAPHRAGM SHALL CONSIDER THIS MAXIMUM AGGREGATE SIZE. SPECIAL CARE SHALL BE TAKEN TO ENSURE GOOD CONCRETE CONSOLIDATION AT THE UTILITY SLEEVES.
5. 135 DEG/90 DEG ALTERNATING HOOK ACCEPTABLE (FDC-000130)
6. #4 SKIN STEEL 12" X 12" GRID PLACED ON UPSTATION FACE OF DIAPHRAGM WHERE EXCESSIVE COVER (>3.5") EXISTS (FDC-000160)





DETAIL 1
SCALE: 3/4" = 1'-0"

SECTION A
SCALE: 3/4" = 1'-0"

SECTION B
SCALE: 3/4" = 1'-0"

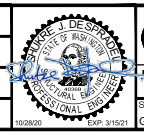
ALL HORIZONTAL DIMENSIONS ARE NORMAL TO CL PIER

LIMITED TO AS-BUILT INFORMATION ONLY:

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
4	10/28/20	SJD	KF	SJD	NDC-000042 - ADD OPTIONAL FIELD BEND
3	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVES
2	04/17/20	SJD	KF	SJD	NDC-000015 - UPSIZE FO SLEEVES
1	04/01/20	SJD	KF	SJD	NDC-000014 - REVISED GIRDER STOPS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: D. HENDERSON
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL



Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: 3/4" = 1'-0"
FILENAME: 068-B27-SPD100

RTS PEDESTRIAN BRIDGE

UNIT 1 - PIER 1 END DIAPHRAGM DETAILS

DRAWING No.: B27-SPD100
FACILITY ID: B27
SHEET No.: 68
REV: 4

RECORD DRAWING #23-2191

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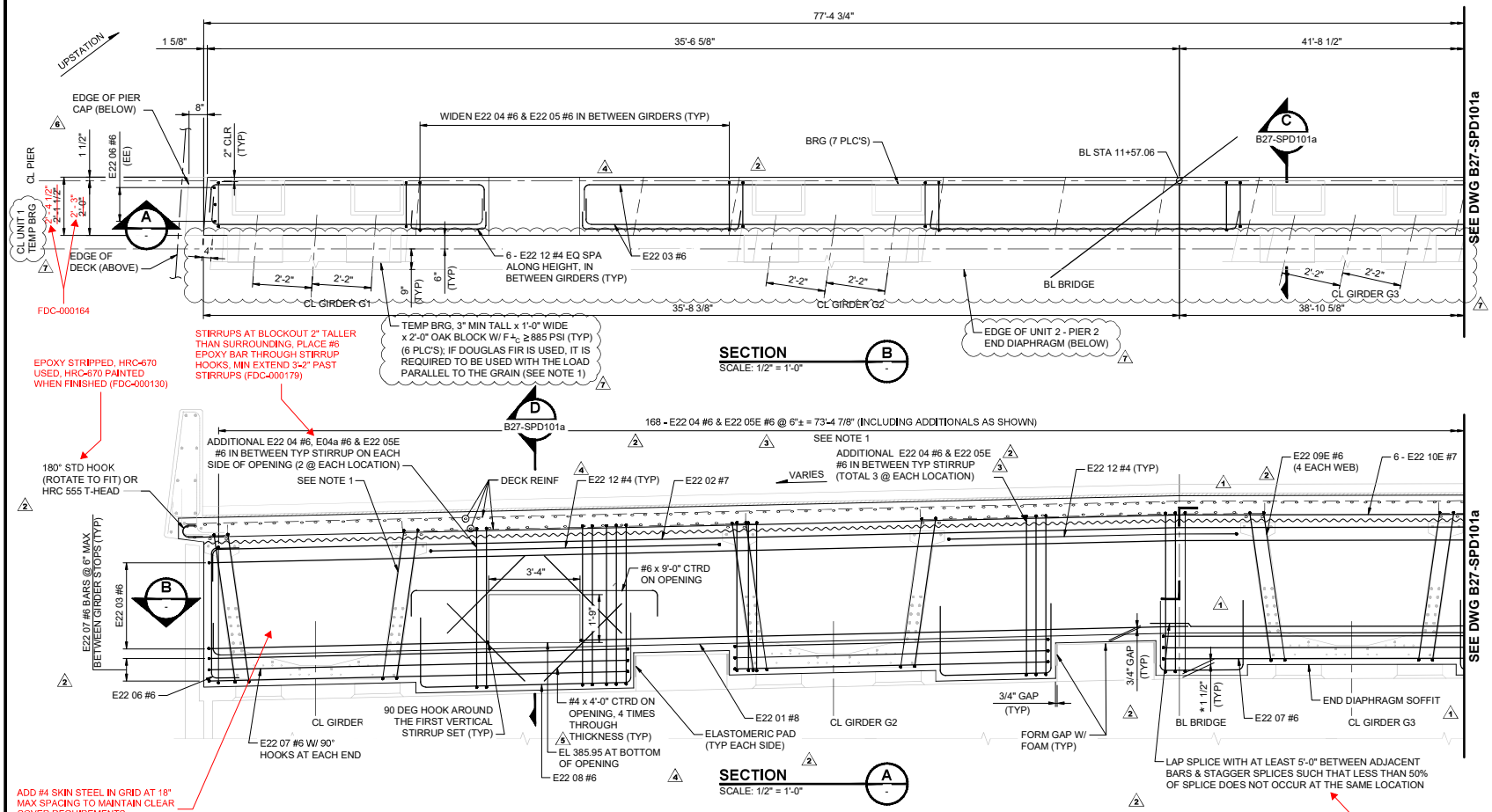

LIMITED TO AS-BUILT INFORMATION ONLY:

NOTES:

1. OAK BLOCK MUST BE SIZED FOR BOTH THE WEIGHT OF THE GIRDER AND THE DECK.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
7	12/23/20	SJD	KF	SJD	NDC-000051 - UNIT 1 PIER 2 TEMP BRG
6	10/28/20	SJD	KF	SJD	NDC-000042 - EDGE OF DIAPHRAGM DIMS
5	09/10/20	SJD	KF	SJD	NDC-000038 - WINDOW ELEVATIONS
4	07/27/20	SJD	KF	SJD	NDC-000025 - WINDOW BLOCKOUTS FOR UTILITIES
3	04/17/20	SJD	KF	SJD	NDC-000015 - ADDED EPOXY DESIGNATION
2	09/02/20	SJD	KF	SJD	NDC-000014 - REVISED GIRDER STOPS
1	02/12/20	SJD	KF	SJD	NDC-000009 - GIRDER BEARING REVISIONS

DESIGNED BY: S. DESPRADEL
DRAWN BY: D. HENDERSON
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

12/23/2020 EXP: 3/15/21

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: S. OWEN DATE: 11/04/19
REVIEWED BY: T. KRAUPA DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 069-B27-SPD101

RTS PEDESTRIAN BRIDGE

UNIT 1 - PIER 2 END DIAPHRAGM DETAILS
SHEET 1 OF 2

DRAWING No.: B27-SPD101
FACILITY ID: B27
SHEET No.: 69
REV.: 7

RECORD DRAWING #23-2192

12/23/20 | 1:42 AM | ALYSSA.SOLIZ
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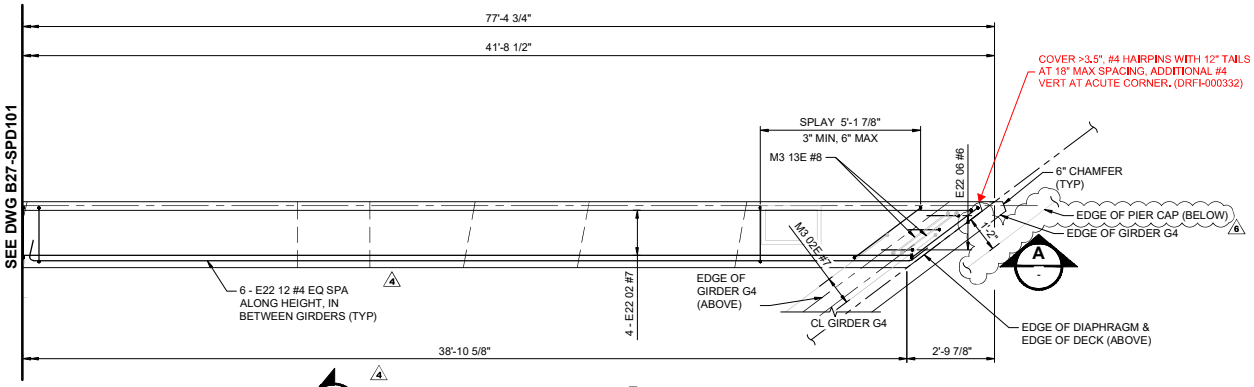
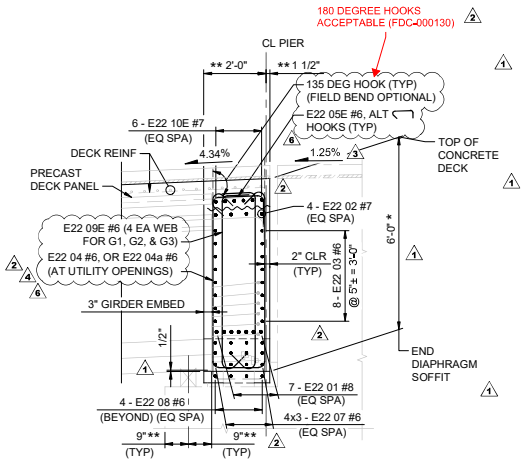


COVER >3.5", #4 HAIRPINS WITH 12" TAILS AT 18" MAX SPACING, ADDITIONAL #4 VERT AT ACUTE CORNER. (DRFH-000332)

NOTES:

1. FOR UNIT 1 BEARING PEDESTALS AND END DIAPHRAGM SOFFIT ELEVATION SEE DRAWING B27-SPD102.



SECTION C — SCALE: 1/2" = 1'-0" — B27-SPD101

* MEASURED AT INTERSECTION OF BL BRIDGE AND CL PIER
** MEASURED NORMAL TO CL PIER

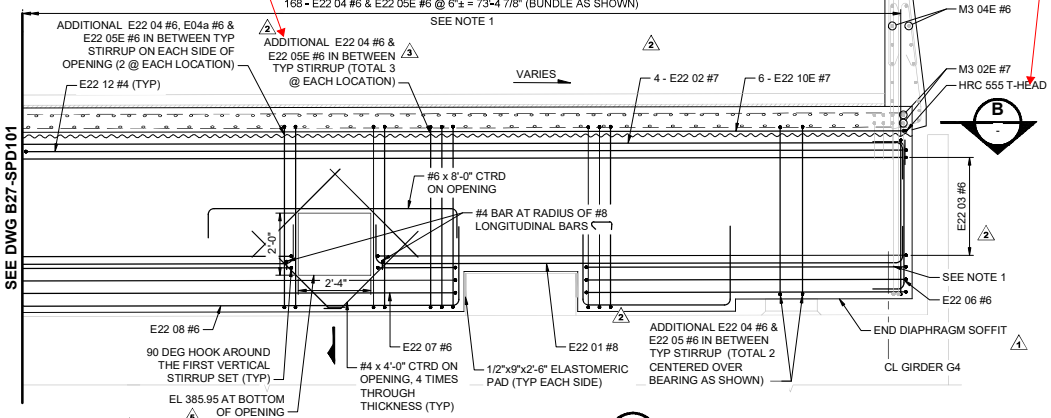
STIRRUPS AT BLOCKOUT 2" TALLER THAN SURROUNDING, PLACE #6 EPOXY BAR THROUGH STIRRUP HOOKS, MIN EXTEND 3'-2" PAST STIRRUPS (FDC-000179)

SECTION E — SCALE: 1/2" = 1'-0" — B

168 - E22 04 #6 & E22 05E #6 @ 6"± = 73'-4 7/8" (BUNDLE AS SHOWN)
SEE NOTE 1

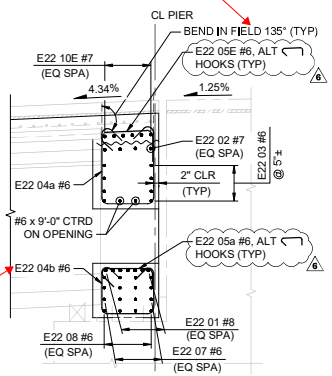
M3 01E #7
M3 13E #8
M3 04E #6
M3 02E #7
HRC 555 T-HEAD

EPOXY STRIPPED, HRC-670 USED, HRC-670 PAINTED WHEN FINISHED (FDC-000178)

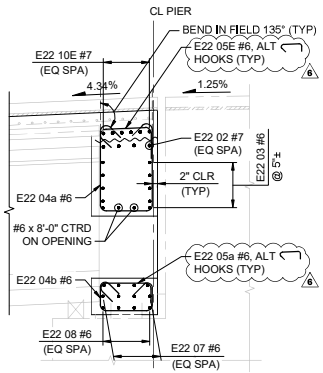


SECTION A — SCALE: 1/2" = 1'-0"

180 DEGREE HOOKS ACCEPTABLE (FDC-000130)



SECTION D — SCALE: 1/2" = 1'-0" — B27-SPD101



SECTION E — SCALE: 1/2" = 1'-0" — B27-SPD101

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENDA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
6	10/28/20	SJD	KF	SJD	NDC-000042 - EDGE OF DIAPHRAGM DIMS
5	09/10/20	SJD	KF	SJD	NDC-000038 - WINDOW ELEVATIONS
4	07/27/20	SJD	KF	SJD	NDC-000025 - WINDOW BLOCKOUTS FOR UTILITIES
3	04/17/20	SJD	KF	SJD	NDC-000015 - ADDED EPOXY DESIGNATION
2	04/01/20	SJD	KF	SJD	NDC-000014 - REVISED GIRDER STOPS
1	02/12/20	SJD	KF	SJD	NDC-000009 - GIRDER BEARING REVISIONS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: D. HENDERSON
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER — 10/28/20 — EXP. 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

City of Redmond

SCALE: AS NOTED
FILENAME: 069A-B27-SPD101A

RTS PEDESTRIAN BRIDGE

UNIT 1 - PIER 2 END DIAPHRAGM DETAILS
SHEET 2 OF 2

DRAWING No.: B27-SPD101a
FACILITY ID: B27
SHEET No.: 69a
REV.: 6

RECORD DRAWING #23-2193

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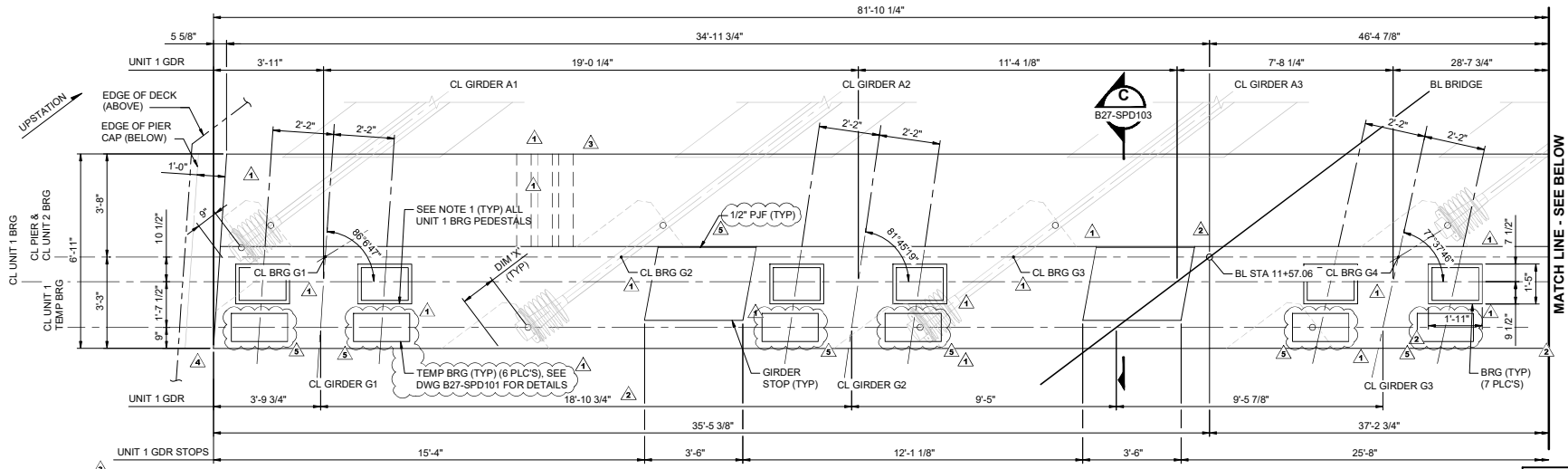
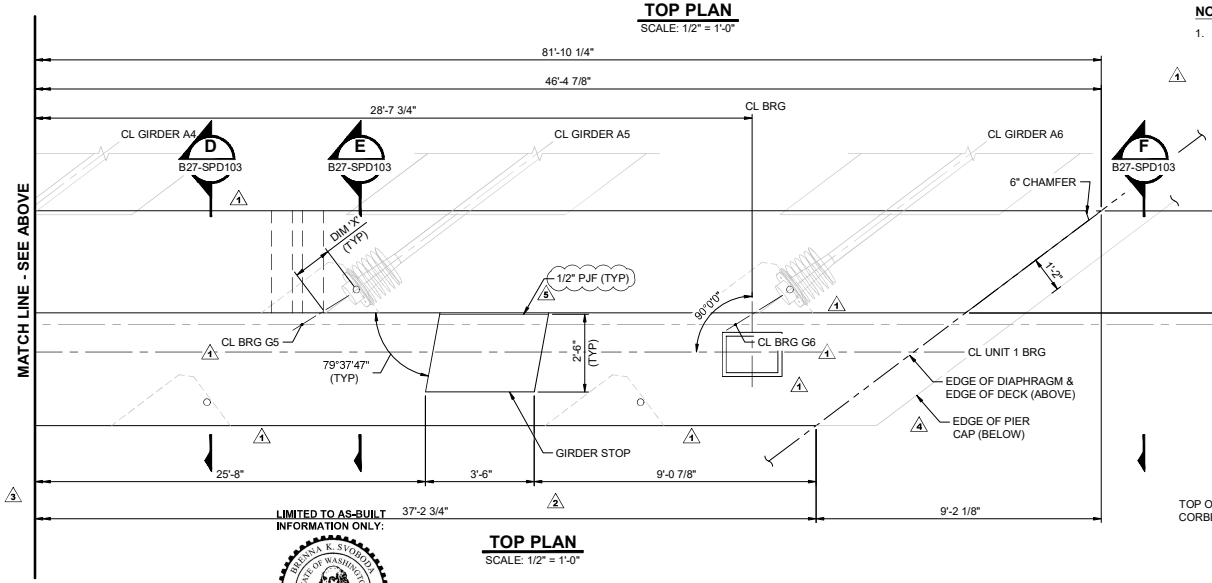


TOP PLAN
SCALE: 1/2" = 1'-0"



TOP PLAN
SCALE: 1/2" = 1'-0"

LIMITED TO AS-BUILT INFORMATION ONLY:

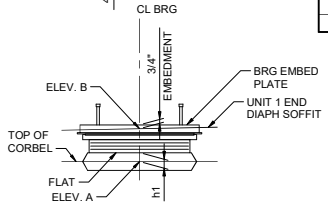
BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

NOTES:

1. BUILD BEARING PEDESTALS 2" LONGER BACK ON STATION TO CONSIDER UNIT 2 PT STRESSING SHORTENING.

UNIT 1 END DIAPHRAGM @ CL UNIT 1 BRG				
GIRDER		ELEV A (FT)	ELEV B (FT)	h1 (IN)
G1	LT	383.89	384.62	3.18
	RT	383.98	384.63	2.24
G2	LT	384.32	385.01	2.74
	RT	384.42	385.04	1.79
G3	LT	384.60	385.24	2.06
	RT	384.62	385.28	2.38
G4		384.67	385.28	1.76

GIRDER	END DIAPHRAGM SOFFIT ELEV. 'Y' @ CL UNIT 2 PERM BRG (FT)
G1	381.00
G2	381.23
G3	381.57
G4	381.69
G5	381.66
G6	381.73



UNIT 1 SLIDING BEARING DETAIL
SCALE: 1" = 1'-0"

TENDON	DIM 'X'
TOP	1'-4 5/8"
MIDDLE	1'-4 5/8"
BOTTOM	1'-4 3/4"

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
5	12/23/20	SJD	KF	SJD	NDC-000051 - UNIT 1 PIER 2 TEMP BRG
4	10/28/20	SJD	KF	SJD	NDC-000042 - EDGE OF DIAPHRAGM DIMS
3	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVES
2	04/01/20	SJD	KF	SJD	NDC-000014 - REVISED GIRDER STOPS
1	02/12/20	SJD	KF	SJD	NDC-000009 - DIAPHRAGM & BEARING REVISIONS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — 12/23/2020 — EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/2" = 1'-0"
FILENAME: 070-B27-SPD102

CityofRedmond

RTS PEDESTRIAN BRIDGE

UNIT 2 - PIER 2 END DIAPHRAGM DETAILS
SHEET 1 OF 5

DRAWING No.: B27-SPD102
FACILITY ID: B27
SHEET No.: 70
REV.: 5

RECORD DRAWING #23-2194

12/20/20 | 4:44 AM | ALYSSA.SOLIZ
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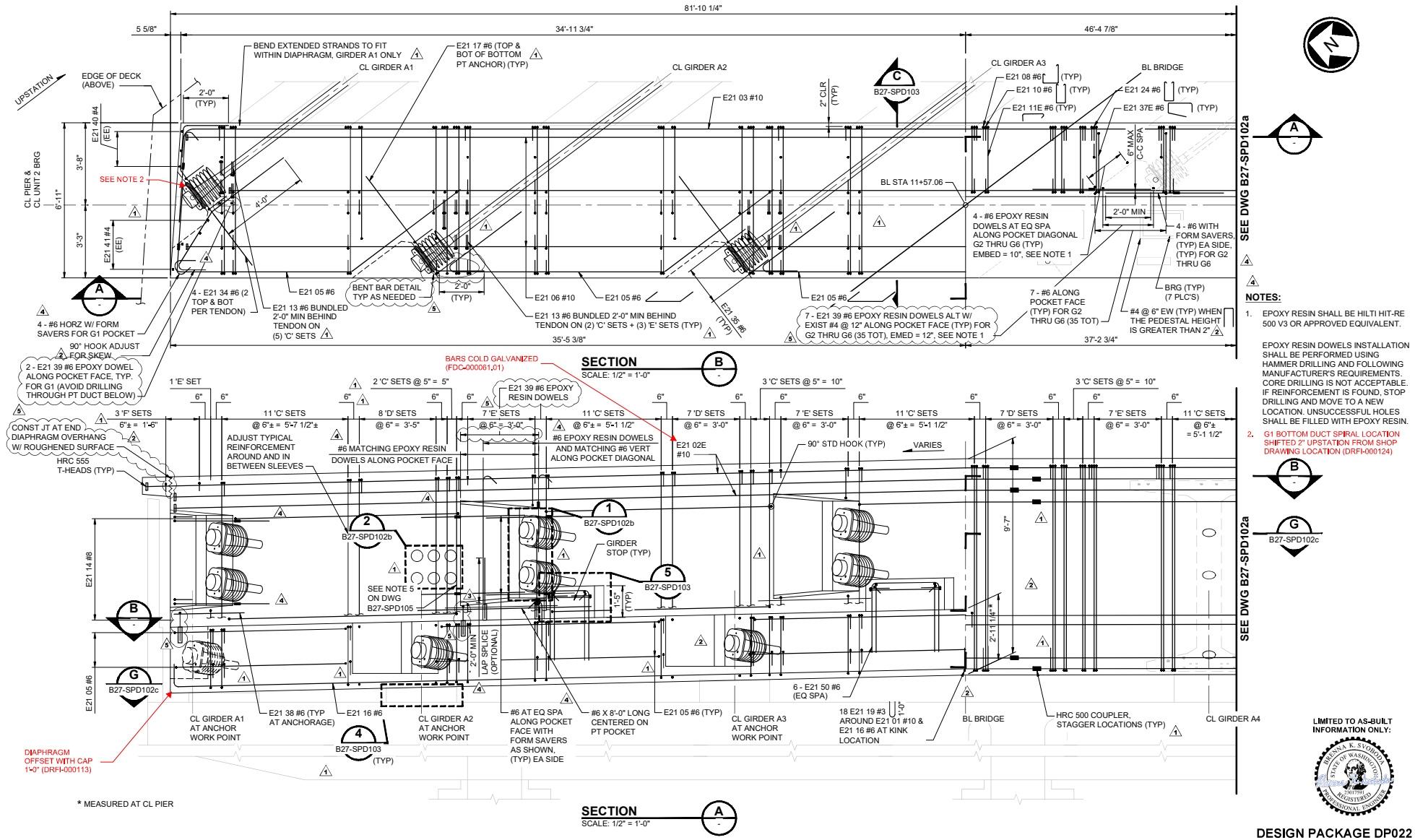

NOTES:

1. EPOXY RESIN SHALL BE HILTI HIT-RE 500 V3 OR APPROVED EQUIVALENT.

   EPOXY RESIN DOWELS INSTALLATION SHALL BE PERFORMED USING HAMMER DRILLING AND FOLLOWING MANUFACTURER'S REQUIREMENTS. CORE DRILLING IS NOT ACCEPTABLE. IF REINFORCEMENT IS FOUND, STOP DRILLING AND MOVE TO A NEW LOCATION. UNSUCCESSFUL HOLES SHALL BE FILLED WITH EPOXY RESIN.
2. G1 BOTTOM DUCT SPIRAL LOCATION SHIFTED 2" UPSTATION FROM SHOP DRAWING LOCATION (DRFI-000124)

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 20017356 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
5	10/28/20	SJD	KF	SJD	NDC-000042 - NCR-044 & NDC-045
4	09/18/20	SJD	KF	SJD	NDC-000041 - ADDITIONAL PT POCKET REINF
3	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVES
2	04/01/20	SJD	KF	SJD	NDC-000014 - REVISED GIRDER STOPS
1	02/12/20	SJD	KF	SJD	NDC-000009 - DIAPHRAGM & BEARING REVISIONS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

JEREMY J. DESPRADEL — STATE OF WASHINGTON — 20017356 — PROFESSIONAL ENGINEER — 10/28/20 — EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/2" = 1'-0"
FILENAME: 070A-B27-SPD102A

RTS PEDESTRIAN BRIDGE

UNIT 2 - PIER 2 END DIAPHRAGM DETAILS
SHEET 2 OF 5

DRAWING No.: B27-SPD102a
FACILITY ID: B27
SHEET No.: 70a
REV.: 5

RECORD DRAWING #23-2195

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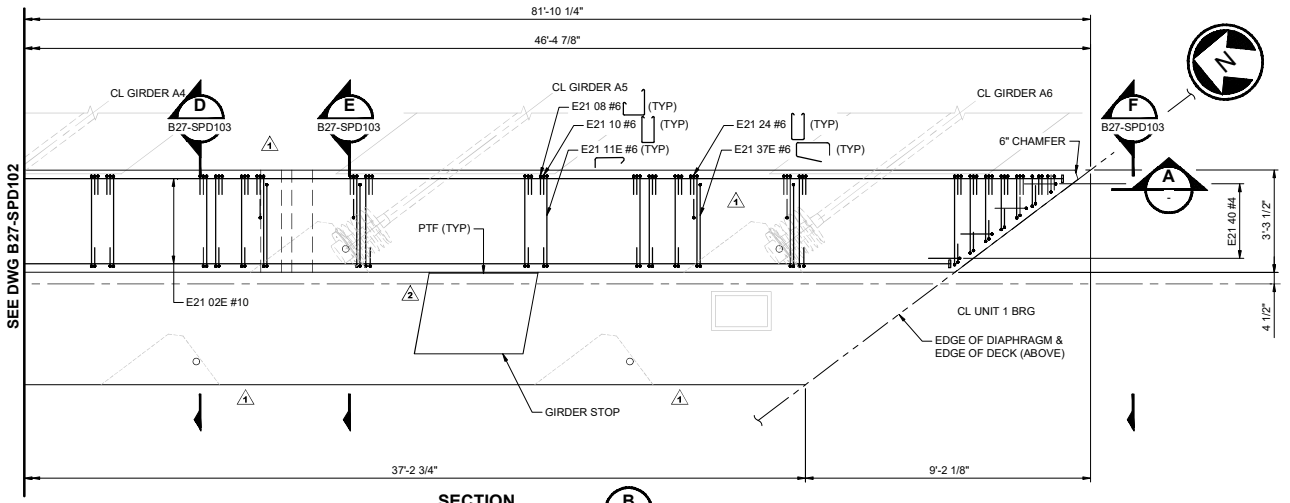
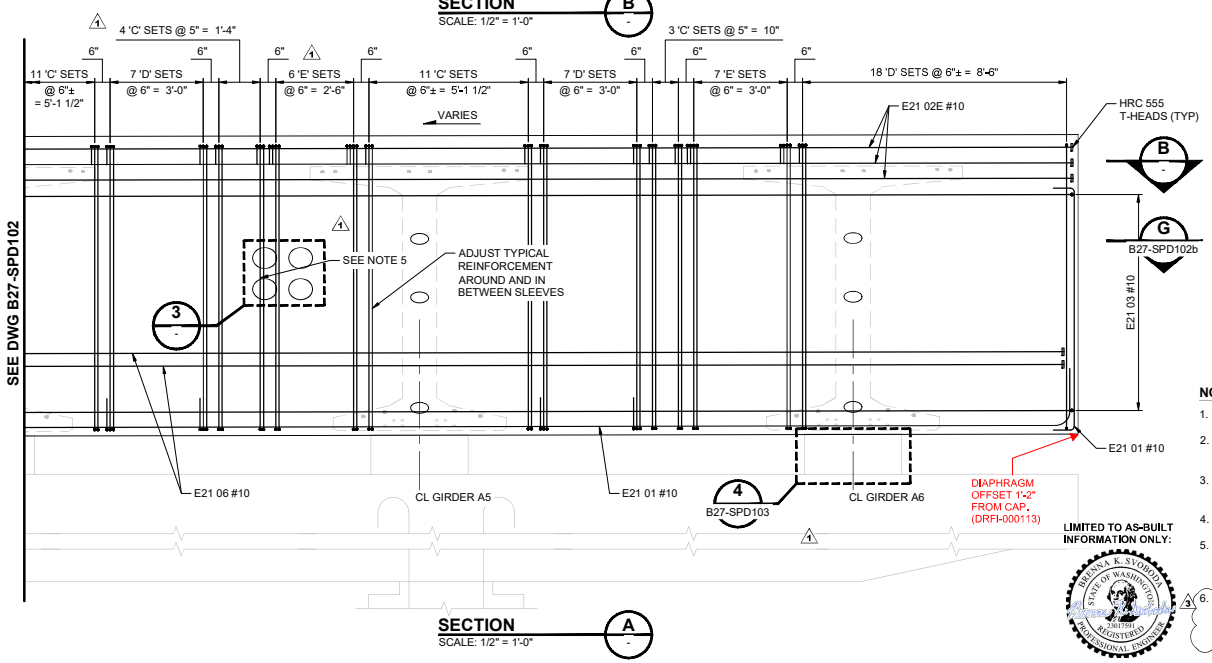
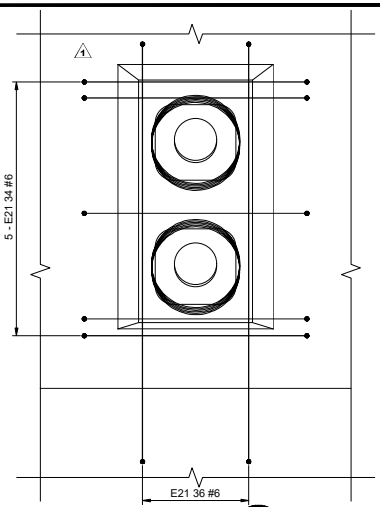


SECTION B
SCALE: 1/2" = 1'-0"

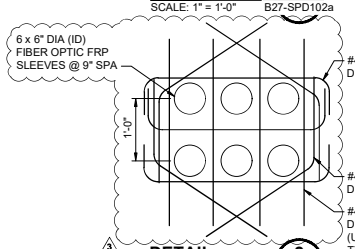


SECTION A
SCALE: 1/2" = 1'-0"

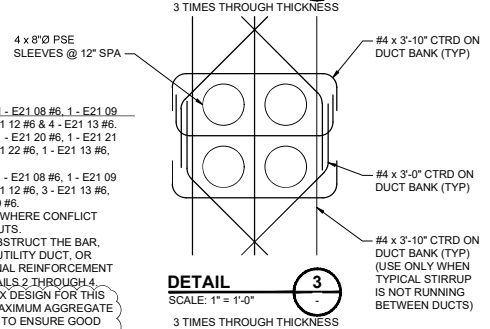
LIMITED TO AS-BUILT INFORMATION ONLY:



DETAIL 1
SCALE: 1" = 1'-0" B27-SPD102a



DETAIL 2
SCALE: 1" = 1'-0" B27-SPD102a



DETAIL 3
SCALE: 1" = 1'-0"

NOTES:

1. ONE 'C' SET INCLUDES: 4 - E21 07 #6, 1 - E21 08 #6, 1 - E21 09 #6, 1 - E21 10E #6, 1 - E21 11E #6, 2 - E21 12 #6 & 4 - E21 13 #6.
2. ONE 'D' SET INCLUDES: 4 - E21 07 #6, 1 - E21 20 #6, 1 - E21 21 #6, 1 - E21 10E #6, 1 - E21 11E #6, 2 - E21 22 #6, 1 - E21 13 #6, 1 - E21 26 #6 & 1 - E21 33 #6.
3. ONE 'E' SET INCLUDES: 4 - E21 25 #6, 1 - E21 08 #6, 1 - E21 09 #6, 1 - E21 24E #6, 1 - E21 23E #6, 2 - E21 12 #6, 3 - E21 13 #6, 1 - E21 37E #6, 2 - E21 38 #6 & 2 - E21 39 #6.
4. BREAK OR SHIFT REINFORCING BARS WHERE CONFLICT EXISTS WITH PT DUCTS & PT BLOCKOUTS.
5. WHEN UTILITY DUCTS OR SLEEVES OBSTRUCT THE BAR, BUNDLE BARS AT EACH SIDE OF THE UTILITY DUCT, OR GROUP OF SLEEVES. PLACE ADDITIONAL REINFORCEMENT AROUND SLEEVES AS SHOWN IN DETAILS 2 THROUGH 4.
6. MAXIMUM AGGREGATE SIZE IS 3/8". MIX DESIGN FOR THIS DIAPHRAGM SHALL CONSIDER THIS MAXIMUM AGGREGATE SIZE. SPECIAL CARE SHALL BE TAKEN TO ENSURE GOOD CONCRETE CONSOLIDATION AT THE UTILITY SLEEVES.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
3	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVES
2	04/01/20	SJD	KF	SJD	NDC-000014 - REVISED GIRDER STOPS
1	02/12/20	SJD	KF	SJD	NDC-000009 - DIAPHRAGM & BEARING REVISIONS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

9/11/20 EXP: 3/15/21

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 070B-B27-SPD102B

RTS PEDESTRIAN BRIDGE

UNIT 2 - PIER 2 END DIAPHRAGM DETAILS
SHEET 3 OF 5

DRAWING No.: B27-SPD102b
FACILITY ID: B27
SHEET No.: 70b
REV.: 3

RECORD DRAWING #23-2196

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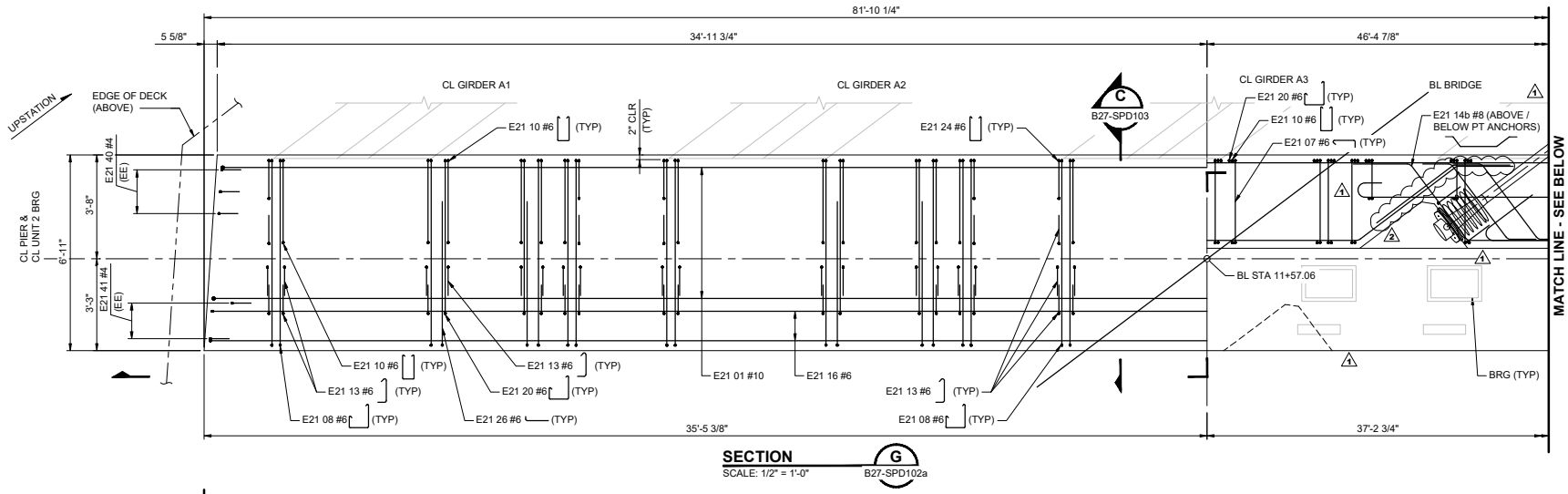
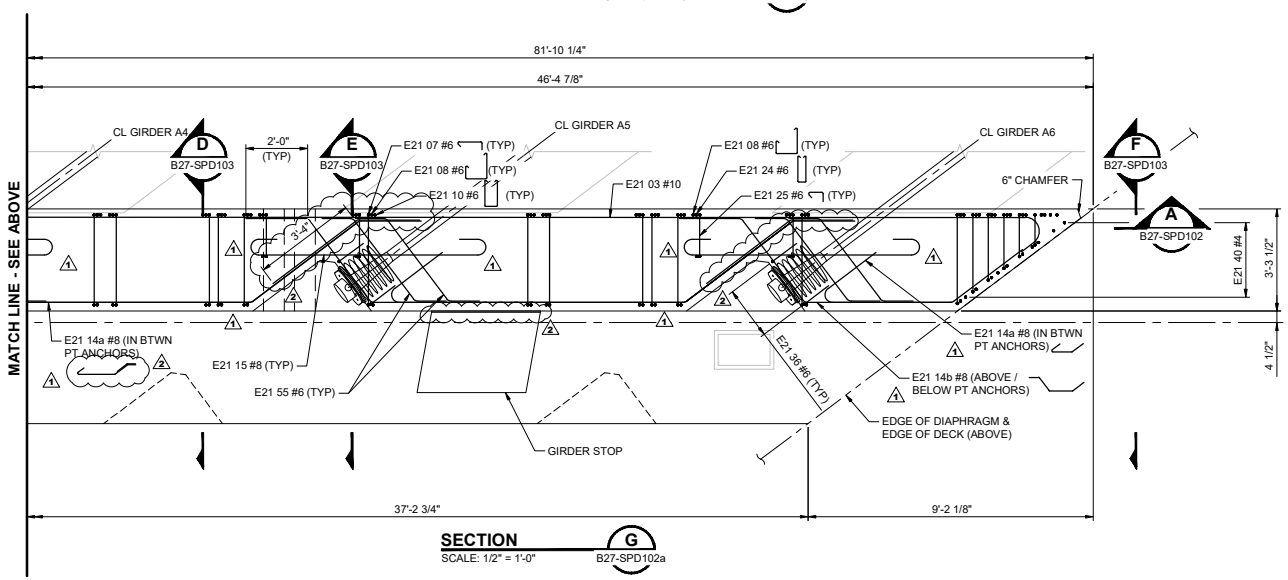


SECTION G
SCALE: 1/2" = 1'-0" B27-SPD102a



SECTION G
SCALE: 1/2" = 1'-0" B27-SPD102a

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	04/01/20	SJD	KF	SJD	NDC-000014 - REVISED GIRDER STOPS
1	02/12/20	SJD	KF	SJD	NDC-000009 - REVISED PIER 2 DIAPHRAGM
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: D. HENDERSON
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

STATE OF WASHINGTON — JOSEPH J. DESPRADEL — 21 — PROFESSIONAL ENGINEER
4-1-2020 — 3-15-2021

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

Kiewit

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: 1/2" = 1'-0"
FILENAME: 070C-B27-SPD102C

SUBMITTED BY:	DATE:	REVIEWED BY:	DATE:	SUBMITTAL DATE:
G. OWEN	11/04/19	T. KRAUPA	11/04/19	11/04/19

RTS PEDESTRIAN BRIDGE

UNIT 2 - PIER 2 END DIAPHRAGM DETAILS
SHEET 4 OF 5

DRAWING No.: B27-SPD102c
FACILITY ID: B27
SHEET No.: 70c
REV: 2

RECORD DRAWING #23-2197

04/01/20 | 10:33 AM | ALYSSA.SOLIZ
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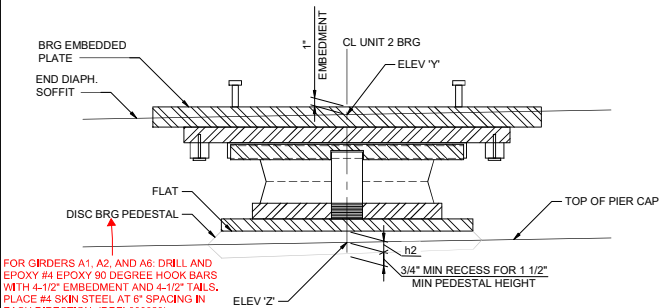
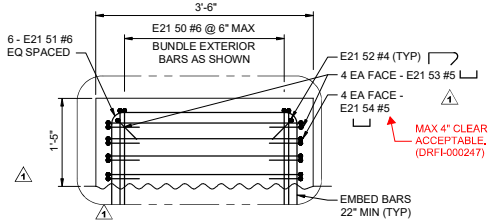


FOR GIRDERS A1, A2, AND A6: DRILL AND EPOXY #4 EPOXY 90 DEGREE HOOK BARS WITH 4-1/2" EMBEDMENT AND 4-1/2" TAILS. PLACE #4 SKIN STEEL AT 6" SPACING IN EACH DIRECTION. (DRFI-000090)

DETAIL 4
SCALE: 1 1/2" = 1'-0"



UNIT 1 GIRDER STOP DETAIL 5
SCALE: 1" = 1'-0" B27-SPD102a

UNIT 2 / PIER 2 PEDESTAL GEOMETRY		
GIRDER	ELEV Z (FT)	PEDESTAL h2
G1	379.94	2.47"
G2	380.06	3.94"
G3	380.21	6.89"
G4	380.36	6.52"
G5	380.51	4.60"
G6	380.66	3.37"

NOTES:

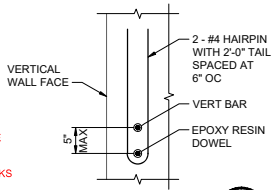
1. END DIAPHRAGM SHALL BE COMPLETE (UP TO DECK C.J.) BEFORE LOAD IS TRANSFERRED TO THE PERMANENT BEARINGS. SEE CONSTRUCTION SEQUENCE DRAWING.
2. BLOCKOUT REINFORCEMENT TO BE INSTALLED AFTER PT STRESSING. BLOCKOUT CONCRETE SHALL BE SET TO 4,000 PSI MINIMUM BEFORE TUB GIRDER ERECTION.

* TOP 7 E21 03 #10 WITH HRC 555 T-HEADS AT NORTH END PLUS ADDITIONAL E21 42 #4 SKIN REINFORCEMENT PLACED HORIZONTALLY AT THE NORTH END @ 1'-0 OC. OTHER BARS WITH STANDARD HOOKS

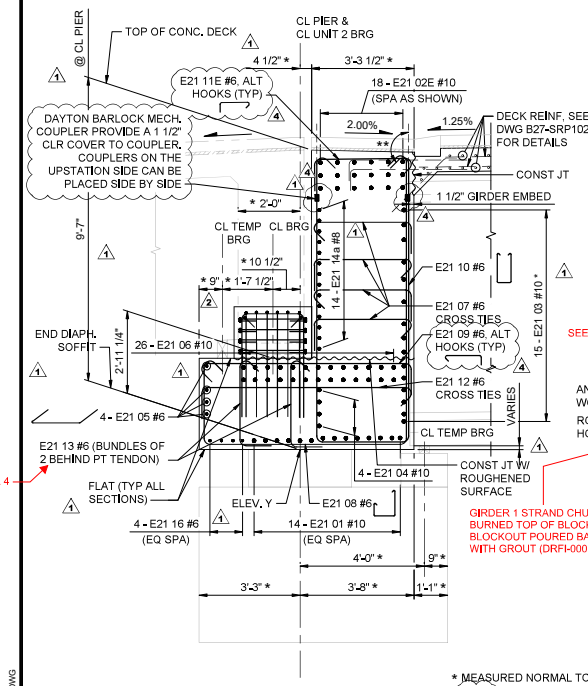
3. TAIL OF E21 36 BAR COULD NOT HOOK TRANSVERSE BARS AT SOME LOCATIONS. ADDITIONAL 5'-0" LONG #6 BAR CENTERED AT THE E21 ACCEPTABLE. IF THERE IS NOT ENOUGH ROOM TO PLACE THIS ADDITIONAL BAR, 90 OR 180 DEGREE HOOK PERMISSIBLE TO USE TO REDUCE BAR LENGTH (TYPICAL ALL E21 36 BARS). (DRFI-000158)
4. TAILS TRIMMED (SHORTEST LENGTH 6") ADDITIONAL HAIRPIN AT 1'-11" TOTAL LENGTH, WRAPPED AROUND INTERMEDIATE MAT (APPROXIMATELY 15-20 TOTAL BARS TRIMMED). (FDC-000072)
5. BAR BENT AROUND PT POURBACK POCKET 9" MAX OUT PLUMB IN Z SHAPE. ADD 2 EA #4 HAIRPINS AT FIELD BENDS. (NCR-000044

NOTES:

6. PT POCKETS SHALL BE POUR BACK USING NON-SHRINK, NON-METALLIC GROUT. PREPARE CONCRETE SURFACE AND INSTALL ACCORDING TO GROUT MANUFACTURER REQUIREMENTS. (DRFI-000211)
7. REINFORCEMENT CHANGES DUE UTILITY SLEEVE CONFLICTS, SEE DRFI-000129.
8. FROM CL G5 TO SOUTH EDGE OF DIAPHRAGM, DOWNSTATION HOOKS IMPROPERLY HEAT BENT. HOOKS TRIMMED AND 135 DEG HOOKS OF SAME SIZE COUPLED TO TRIMMED BAR. (NCR-000052)



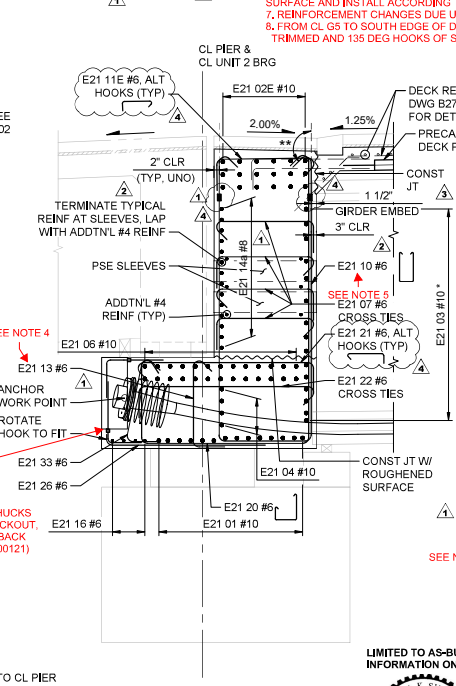
HAIRPIN DETAIL (PLAN) 6
SCALE: 1" = 1'-0"



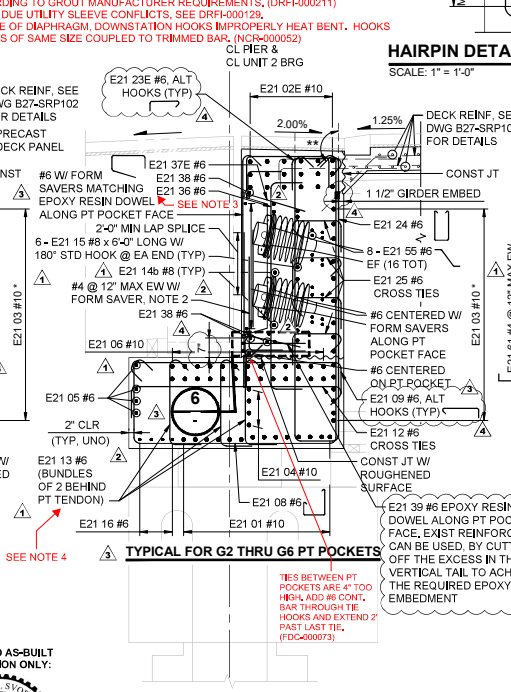
GIRDER 1 STRAND CHUCKS BURNED TOP OF BLOCKOUT, BLOCKOUT POURED BACK WITH GROUT (DRFI-000121)

* MEASURED NORMAL TO CL PIER
** SHOP BEND 135° (TYP)

SECTION C
SCALE: 1/2" = 1'-0" ('C' SETS SHOWN) B27-SPD102

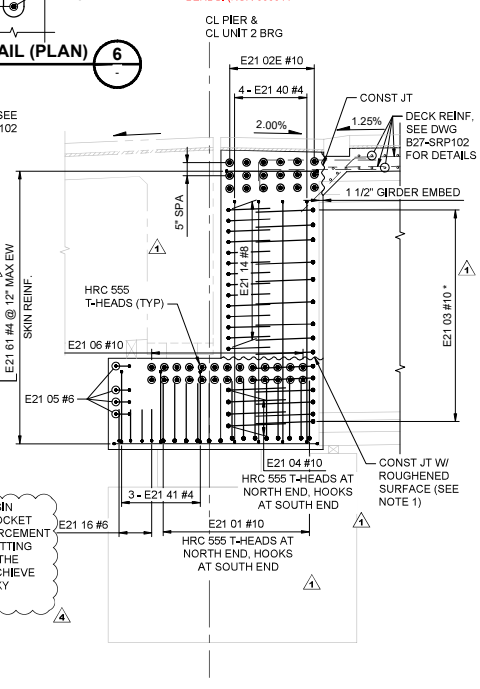


SECTION D
SCALE: 1/2" = 1'-0" ('D' SETS SHOWN) B27-SPD102a



TYPICAL FOR G2 THRU G6 PT POCKETS

SECTION E
SCALE: 1/2" = 1'-0" ('E' SETS SHOWN) B27-SPD102a



SECTION F
SCALE: 1/2" = 1'-0" (ONLY END REINFORCEMENT SHOWN FOR CLARITY) B27-SPD102a

LIMITED TO AS-BUILT INFORMATION ONLY:

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
4	10/28/20	SJD	KF	SJD	NDC-000042 - NCR-044 & NDC-045
3	09/18/20	SJD	KF	SJD	NDC-000041 - ADDITIONAL PT POCKET REINF
2	04/01/20	SJD	KF	SJD	NDC-000014 - REVISED GIRDER STOPS
1	02/12/20	SJD	KF	SJD	NDC-000009 - DIAPHRAGM & BEARING REVISIONS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

JEREMIAH J. DESPRADEL, STATE OF WASHINGTON, 21826, PROFESSIONAL ENGINEER
10/28/20 EXP: 3/15/21

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY:	DATE:	REVIEWED BY:	DATE:	SUBMITTAL DATE:
G. OWEN	11/04/19	T. KRAUPA	11/04/19	11/04/20

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: AS NOTED
FILENAME: 071-B27-SPD103

RTS PEDESTRIAN BRIDGE

UNIT 2 - PIER 2 END DIAPHRAGM DETAILS
SHEET 5 OF 5

DRAWING No.: B27-SPD103
FACILITY ID: B27
SHEET No.: 71
REV.: 4

RECORD DRAWING #23-2198

10/27/20 | 6:33 PM | ALYSSA.SOLIZ
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XREF LIST:
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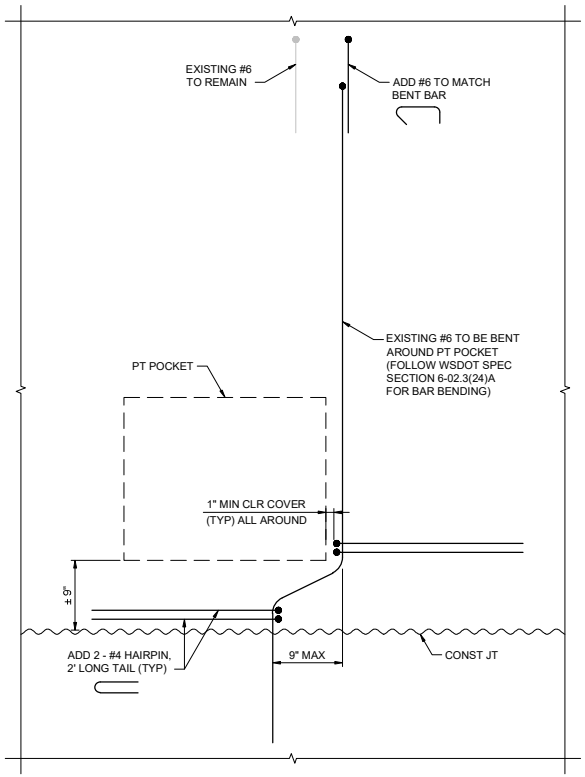

TYPICAL BENT BAR DETAIL AROUND PT POCKET

SCALE: 1 1/2" = 1'-0"

NEW SHEET

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
0	10/28/20	SJD	KF	SJD	NDC-000042 - NCR-044 & NDC-045

DESIGNED BY: S. DESPRADEL
DRAWN BY: J. SCHMIDT
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

STATE OF WASHINGTON — STEPHANIE J. DESPRADEL — REGISTERED PROFESSIONAL ENGINEER — 10/28/20 — EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN | DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA | DATE: 11/04/19

LINE IS 1" AT FULL SCALE

City of Redmond

SCALE: 1 1/2" = 1'-0"
FILENAME: 71A-B27-SPD103A
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UNIT 2 - PIER 2 TYPICAL BENT BAR DETAIL AROUND PT POCKET

DRAWING No.: B27-SPD103a
FACILITY ID: B27
SHEET No.: 71a
REV:

RECORD DRAWING #23-2199

10/27/20 | 7:34 PM | ALYSSA.SOLIZ
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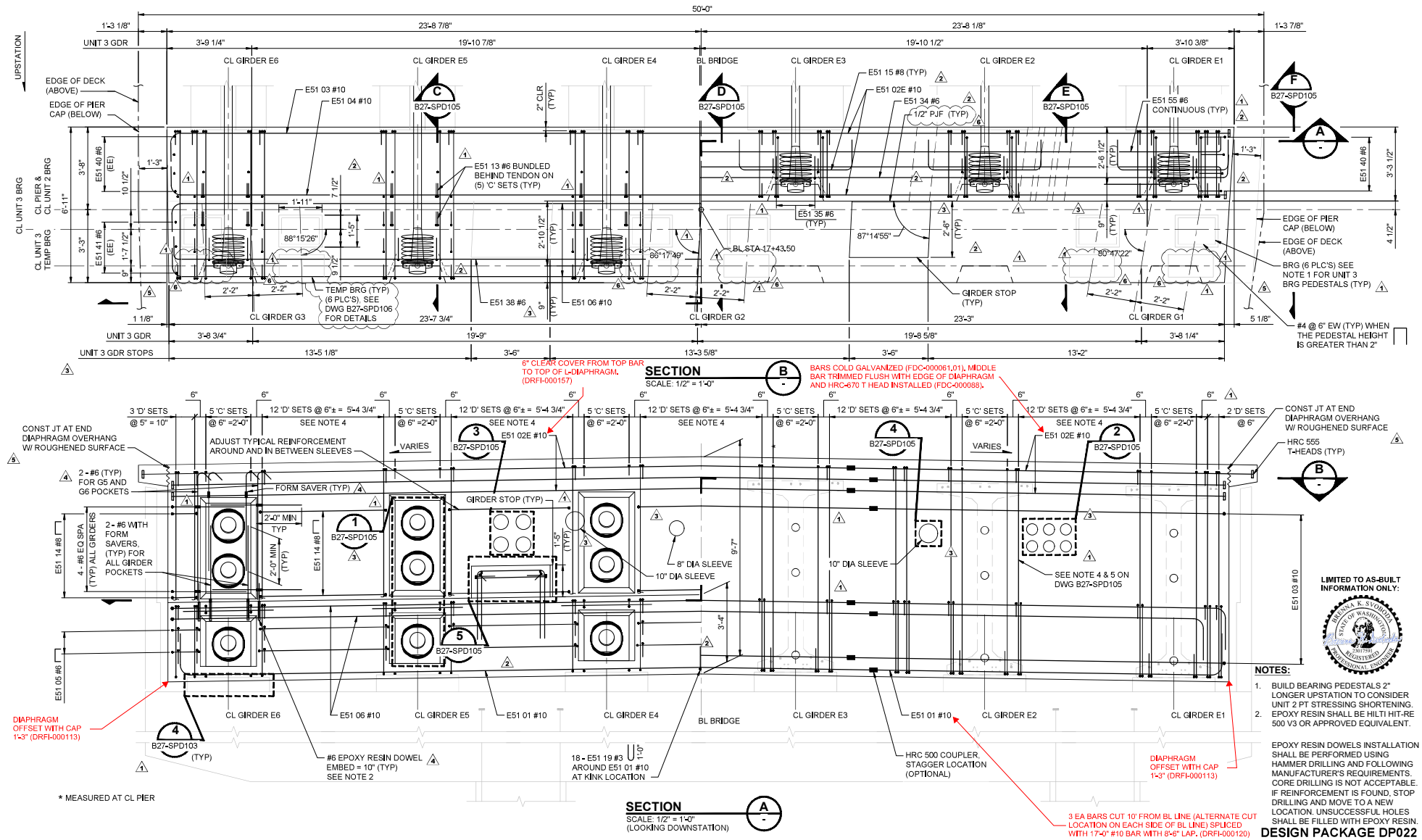

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 21810 — REGISTERED PROFESSIONAL ENGINEER

NOTES:

1. BUILD BEARING PEDESTALS 2" LONGER UPSTATION TO CONSIDER UNIT 2 PT STRESSING SHORTENING.
2. EPOXY RESIN SHALL BE HILTI HIT-RE 500 V3 OR APPROVED EQUIVALENT.

EPOXY RESIN DOWELS INSTALLATION SHALL BE PERFORMED USING HAMMER DRILLING AND FOLLOWING MANUFACTURER'S REQUIREMENTS. CORE DRILLING IS NOT ACCEPTABLE. IF REINFORCEMENT IS FOUND, STOP DRILLING AND MOVE TO A NEW LOCATION. UNSUCCESSFUL HOLES SHALL BE FILLED WITH EPOXY RESIN.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
6	12/23/20	SJD	KF	SJD	NDC-000051 - UNIT 3 PIER 5 TEMP BRG
5	10/28/20	SJD	KF	SJD	NDC-000042 - EDGE OF DIAPHRAGM DIMS
4	09/18/20	SJD	KF	SJD	NDC-000041 - ADDITIONAL PT POCKET REINF
3	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVE REVISIONS
2	04/01/20	SJD	KF	SJD	NDC-000014 - REVISED GIRDER STOPS
1	02/12/20	SJD	KF	SJD	NDC-000009 - DIAPHRAGM & BEARING REVISIONS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

JARED J. DESPRADEL — STATE OF WASHINGTON — 21810 — PROFESSIONAL ENGINEER — 12/23/2020 — EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

City of Redmond

SCALE: 1/2" = 1'-0"
FILENAME: 076-B27-SPD104

RTS PEDESTRIAN BRIDGE

UNIT 2 - PIER 5 END DIAPHRAGM DETAILS
SHEET 1 OF 3

DRAWING No.: B27-SPD104
FACILITY ID: B27
SHEET No.: 76
REV.: 6

RECORD DRAWING #23-2200

12/23/20 | 1:48 AM | ALYSSA.SOLIZ
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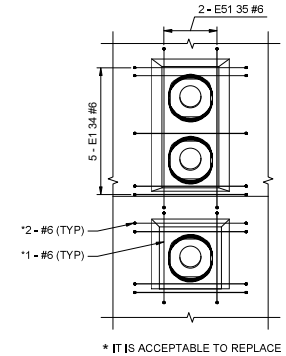
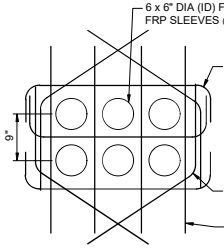


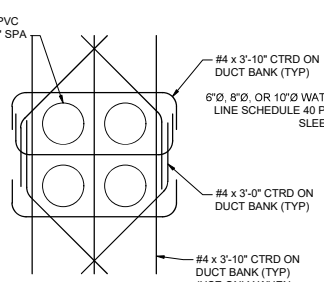
* IT IS ACCEPTABLE TO REPLACE 1 - #6 BAR WITH 2 - #4 BARS.

DETAIL 1 SCALE: 1/2" = 1'-0" B27-SPD104



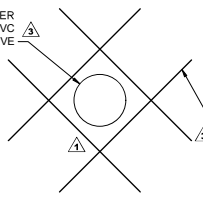
DETAIL 2 SCALE: 1" = 1'-0" B27-SPD104

3 TIMES THROUGH THICKNESS



DETAIL 3 SCALE: 1" = 1'-0" B27-SPD104

3 TIMES THROUGH THICKNESS



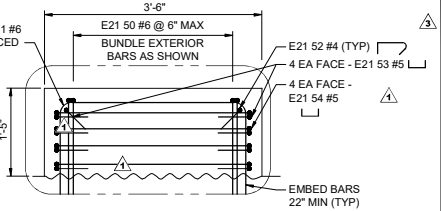
DETAIL 4 SCALE: 1" = 1'-0" B27-SPD104

NOTES:

1. END DIAPHRAGM SHALL BE COMPLETE (UP TO DECK C.J.) BEFORE LOAD IS TRANSFERRED TO THE PERMANENT BEARINGS. SEE CONSTRUCTION SEQUENCE DRAWING.
2. ONE 'C' SET INCLUDES: 4 - E51 25 #6, 1 - E51 20 #6, 1 - E51 21 #6, 1 - E51 24 #6, 1 - E51 11E #6, 2 - E51 22 #6, 4 - E51 13 #6, 1 - E51 37 #6 & 1 - E51 39 #6.
3. ONE 'D' SET INCLUDES: 4 - E51 07 #6, 1 - E51 08 #6, 1 - E51 09 #6, 1 - E51 10 #6, 1 - E51 11E #6, 2 - E51 12 #6 & 2 - E51 13 #6.
4. BREAK OR SHIFT REINFORCING BARS WHERE CONFLICT EXISTS WITH PT DUCTS & PT BLOCKOUTS.
5. WHEN UTILITY DUCTS OR SLEEVES OBSTRUCT THE BAR, BUNDLE BARS AT EACH SIDE OF THE UTILITY DUCT, OR GROUP OF SLEEVES. PLACE ONE BAR BETWEEN SLEEVES. PLACE ADDITIONAL REINFORCEMENT AROUND SLEEVES AS SHOWN IN DETAILS 2 THROUGH 4.
6. BLOCKOUT REINFORCEMENT TO BE INSTALLED AFTER PT STRESSING. BLOCKOUT CONCRETE SHALL BE SET TO 4,000 PSI MINIMUM BEFORE TUB GIRDER ERECTION.
7. MAXIMUM AGGREGATE SIZE IS 3/8" PEA GRAVEL. MIX DESIGN FOR THIS DIAPHRAGM SHALL CONSIDER THIS MAXIMUM AGGREGATE SIZE. SPECIAL CARE SHALL BE TAKEN TO ENSURE GOOD CONCRETE CONSOLIDATION AT THE UTILITY SLEEVES.

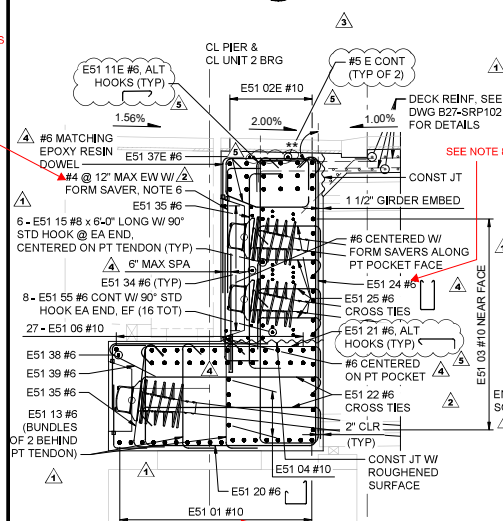
8. PT POCKETS SHALL BE POUR BACK USING NON-SHRINK, NON-METALLIC GROUT. PREPARE CONCRETE SURFACE AND INSTALL ACCORDING TO GROUT MANUFACTURER REQUIREMENTS. (DRFI-000211)

9. REINFORCEMENT CHANGES DUE UTILITY SLEEVE CONFLICTS, SEE DRFI-000129.

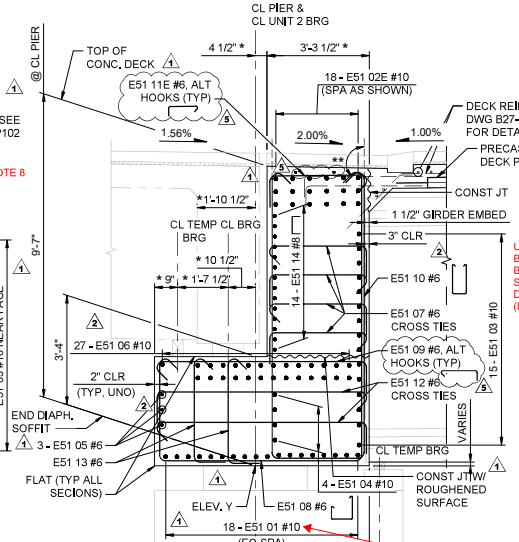


UNIT 3 GIRDER STOP DETAIL SCALE: 1" = 1'-0"

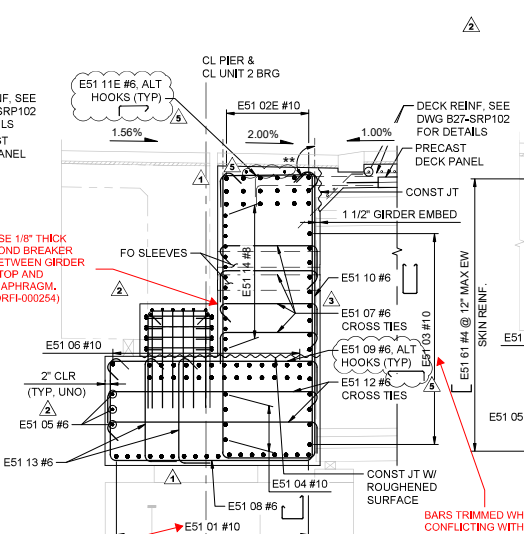
FORM SAVERS DRILLED AND EPOXY MIN 6" EMBEDMENT. (NCR-000047)



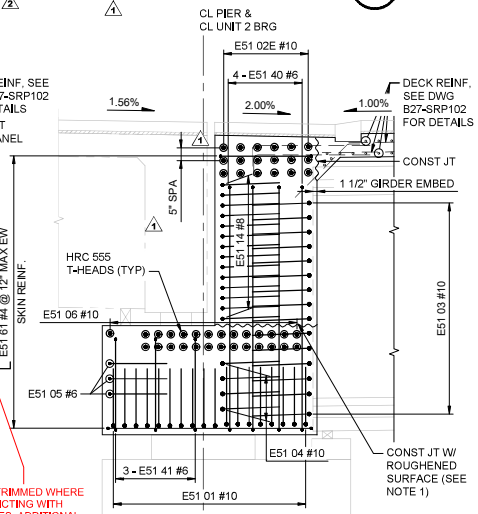
SECTION C SCALE: 1/2" = 1'-0" ('C' SETS SHOWN) B27-SPD104



SECTION D SCALE: 1/2" = 1'-0" ('D' SETS SHOWN) B27-SPD104



SECTION E SCALE: 1/2" = 1'-0" ('D' SETS SHOWN) B27-SPD104



SECTION F SCALE: 1/2" = 1'-0" (ONLY END REINFORCEMENT SHOWN FOR CLARITY) B27-SPD104

* MEASURED NORMAL TO CL PIER
** FIELD BEND 135° (TYP)

3 EA BARS CUT 10' FROM BL LINE (ALTERNATE CUT LOCATION ON EACH SIDE OF BL LINE) SPLICED WITH 17'-0" #10 BAR WITH 8'-6" LAP (DRFI-000120)

LIMITED TO AS-BUILT INFORMATION ONLY:

BARS TRIMMED WHERE CONFLICTING WITH UTILITIES, ADDITIONAL #10 BAR INSTALLED WITH 5'-1" MINIMUM LAP, 6" MAXIMUM C-C SPACING FOR LAP (TYPICAL ALL E51 03 BARS) (DRFI-000134)

3 EA BARS CUT 10' FROM BL LINE (ALTERNATE CUT LOCATION ON EACH SIDE OF BL LINE) SPLICED WITH 17'-0" #10 BAR WITH 8'-6" LAP (DRFI-000120)

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
5	10/28/20	SJD	KF	SJD	NDC-000042 - ALT HOOKS FOR TORSION
4	09/18/20	SJD	KF	SJD	NDC-000041 - ADDITIONAL PT POCKET REINF
3	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVE REVISIONS
2	04/01/20	SJD	KF	SJD	NDC-000014 - REVISED GIRDER STOPS
1	02/12/20	SJD	KF	SJD	NDC-000009 - DIAPHRAGM & BEARING REVISIONS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

10/28/20 EXP: 3/15/21

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN DATE: 11/04/19
REVIEWED BY: T. KRAUPA DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 077-B27-SPD105

RTS PEDESTRIAN BRIDGE

UNIT 2 - PIER 5 END DIAPHRAGM DETAILS
SHEET 2 OF 3

DRAWING No.: B27-SPD105
FACILITY ID: B27
SHEET No.: 77 REV: 5

RECORD DRAWING #23-2201

10/27/20 | 7:37 PM | ALYSSA.SOLIZ
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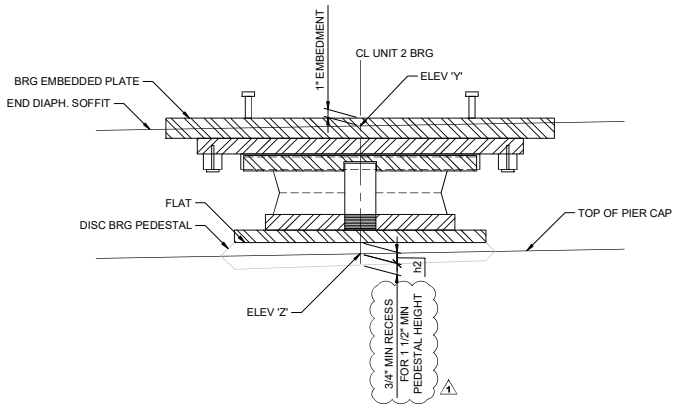
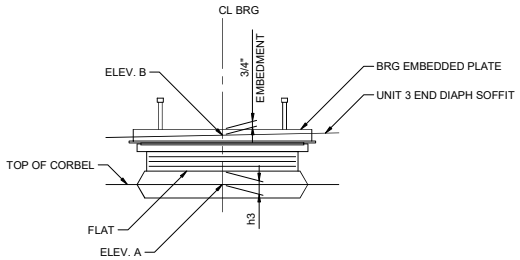


UNIT 2 BRG DETAIL 4
SCALE: 1 1/2" = 1'-0"



UNIT 3 SLIDING BEARING DETAIL
SCALE: 1 1/2" = 1'-0"

UNIT 2 PIER 5 DISC BRG PEDESTAL GEOMETRY @ CL PERM BRG			
GIRDER	ELEV Z (FT)	PEDESTAL HEIGHT h2	
G1	~~379.10~~	~~1.49"~~	0.75" RECESS
G2	~~379.10~~	~~3.05"~~	1.55"
G3	~~379.10~~	~~5.33"~~	3.83"
G4	~~379.10~~	~~4.86"~~	3.36"
G5	~~379.10~~	~~3.30"~~	1.80"
G6	~~379.10~~	~~1.68"~~	0.75" RECESS

ALL Z ELEVATIONS REVISED TO 379.23 (NCR-000009). G6 BEARING ELEVATION REDUCED 0.36" (DRFI-000107).

NCR-000009

UNIT 3 PIER 5 ELASTOMERIC BRG PEDESTAL GEOMETRY @ CL PERM BRGS				
GIRDER		ELEV A (FT)	ELEV B (FT)	h3
G1	LT	383.32	384.17	4.57"
	RT	383.39	384.12	3.13"
G2	LT	383.63	384.45	4.17"
	RT	383.63	384.45	4.24"
G3	LT	383.39	384.11	3.06"
	RT	383.32	384.17	4.62"

GIRDER	UNIT 2 END DIAPH. SOFFIT EL. 'Y' @ CL UNIT 2 PERM BEARING (FT)
G1	380.01
G2	~~380.14~~ 380.10
G3	380.27
G4	380.27
G5	380.14
G6	380.01

AS-BUILT TOP OF BEARING IS 0.36" LOW. ADJUSTED SOFFIT ELEV. (DRFI-000107)

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENDA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

NEW SHEET

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	04/01/20	SJD	KF	SJD	NDC-000014 - ADDED BEARING RECESS INFORMATION
0	02/12/20	SJD	KF	SJD	NDC-000009 - ADDED BEARING DETAILS

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — 21800 — REGISTERED PROFESSIONAL ENGINEER
4-1-2020 — EXP 3-15-2021

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/19

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 077A-B27-SPD105

CityofRedmond

RTS PEDESTRIAN BRIDGE

UNIT 2 - PIER 5 END DIAPHRAGM DETAILS
SHEET 3 OF 3

DRAWING No.: B27-SPD105
FACILITY ID: B27
SHEET No.: 77a
REV.: 1

RECORD DRAWING #23-2202

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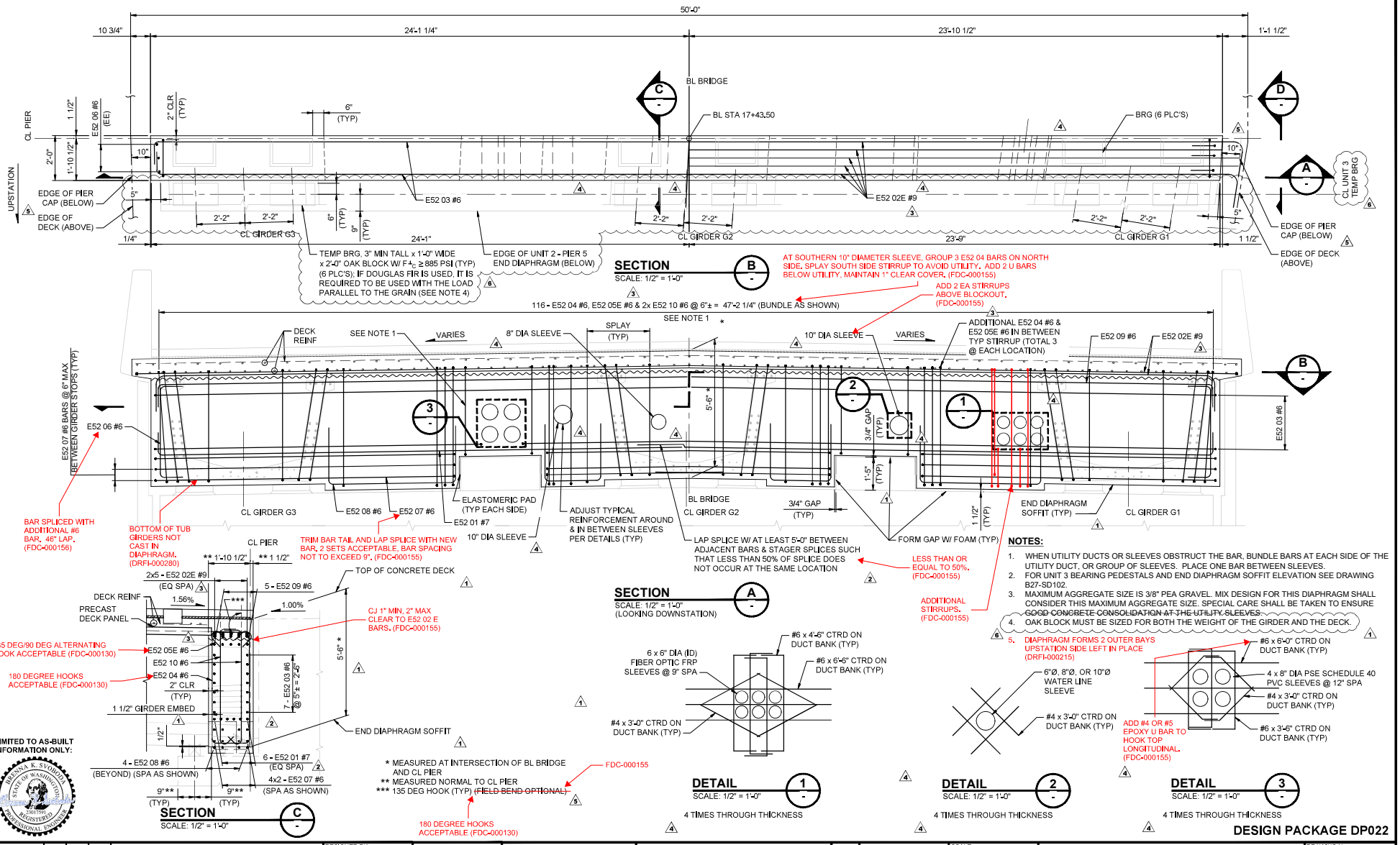

NOTES:

1. WHEN UTILITY DUCTS OR SLEEVES OBSTRUCT THE BAR, BUNDLE BARS AT EACH SIDE OF THE UTILITY DUCT, OR GROUP OF SLEEVES. PLACE ONE BAR BETWEEN SLEEVES.
2. FOR UNIT 3 BEARING PEDESTALS AND END DIAPHRAGM SOFFIT ELEVATION SEE DRAWING B27-SD102.
3. MAXIMUM AGGREGATE SIZE IS 3/8" PEA GRAVEL. MIX DESIGN FOR THIS DIAPHRAGM SHALL CONSIDER THIS MAXIMUM AGGREGATE SIZE. SPECIAL CARE SHALL BE TAKEN TO ENSURE ~~GOOD CONCRETE CONSOLIDATION AT THE UTILITY SLEEVES~~.
4. OAK BLOCK MUST BE SIZED FOR BOTH THE WEIGHT OF THE GIRDER AND THE DECK.
5. DIAPHRAGM FORMS 2 OUTER BAYS UPSTATION SIDE LEFT IN PLACE (DRFI-000215)

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
6	12/23/20	SJD	KF	SJD	NDC-000051 - UNIT 3 PIER 5 TEMP BRG
5	10/28/20	SJD	KF	SJD	NDC-000042 - EDGE OF DIAPHRAGM DIMS
4	09/10/20	SJD	KF	SJD	NDC-000038 - FO & PSE SLEEVES REVISIONS
3	04/17/20	SJD	KF	SJD	NDC-000015 - ADDED EPOXY DESIGNATIONS
2	04/01/20	SJD	KF	SJD	NDC-000014 - REVISED GIRDER STOPS
1	02/12/20	SJD	KF	SJD	NDC-000009 - GIRDER BEARING REVISIONS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE
SCALE: 1/2" = 1'-0"
FILENAME: 078-B27-SPD106

RTS PEDESTRIAN BRIDGE

UNIT 3 - PIER 5 END DIAPHRAGM DETAILS

DRAWING No.: B27-SPD106
FACILITY ID: B27
SHEET No.: 78
REV.: 6

RECORD DRAWING #23-2203

12/23/20 | 11:04 PM | ALYSSA.SOLIZ
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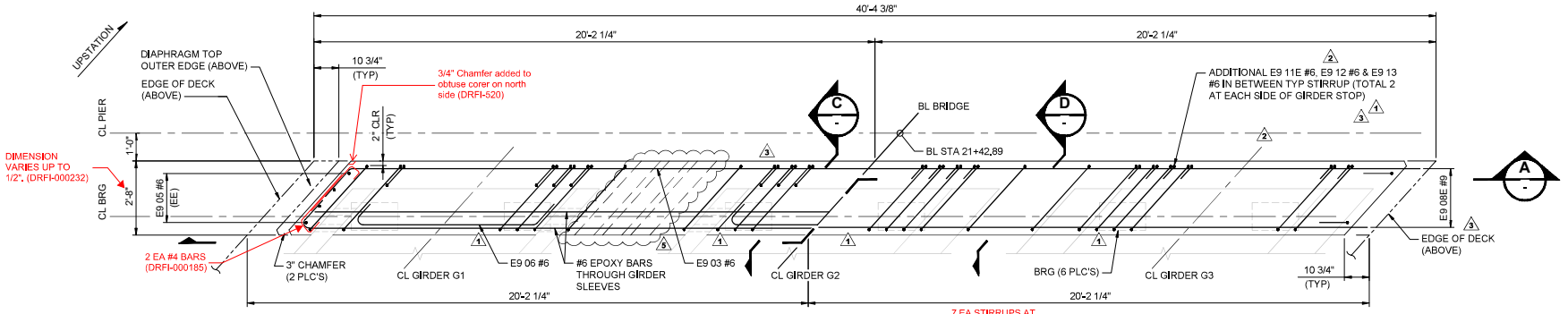
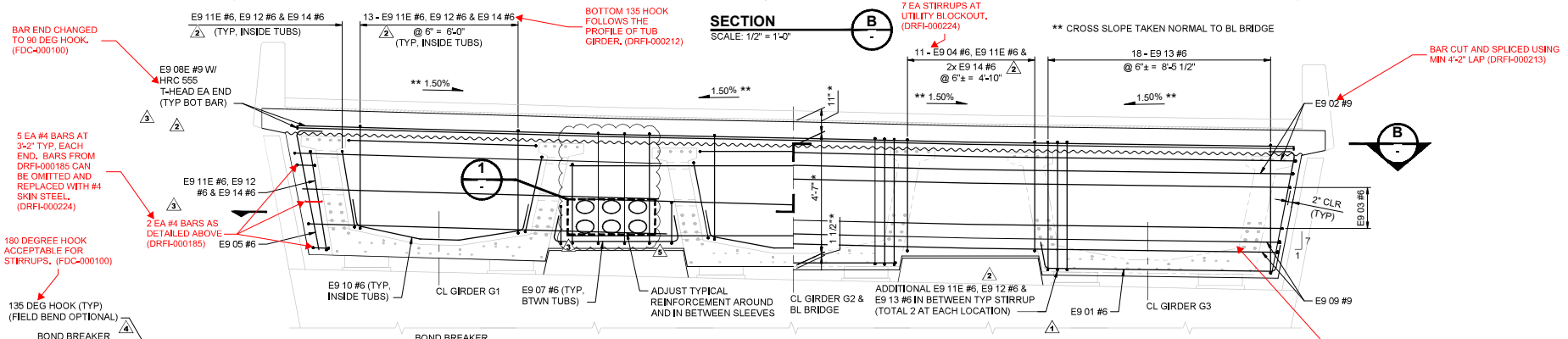
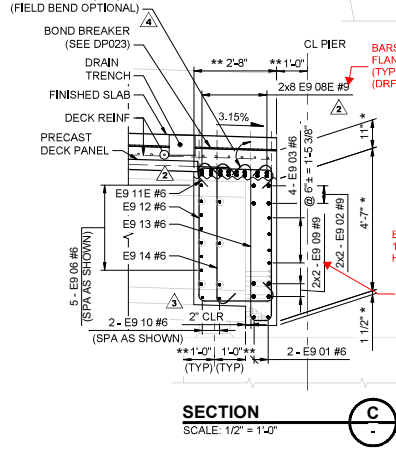
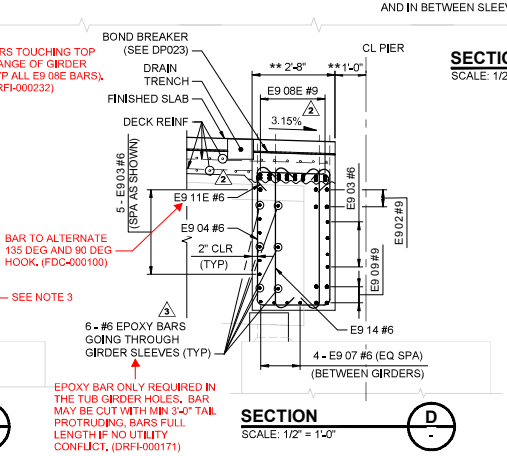
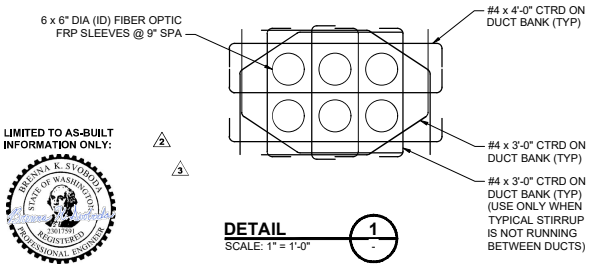








LIMITED TO AS-BUILT INFORMATION ONLY:



NOTES:

1. WHEN UTILITY DUCTS OR SLEEVES OBSTRUCT THE BARS, BUNDLE BARS AT EACH SIDE OF THE UTILITY DUCT, OR GROUP OF SLEEVES. PLACE ONE BAR BETWEEN SLEEVES.
2. MAXIMUM AGGREGATE SIZE IS 3/8" PEA GRAVEL. MIX DESIGN FOR THIS DIAPHRAGM SHALL CONSIDER THIS MAXIMUM AGGREGATE SIZE. SPECIAL CARE SHALL BE TAKEN TO ENSURE GOOD CONCRETE CONSOLIDATION AT THE UTILITY SLEEVES.
3. REPLACE 135 BEND WITH HRC-670 T HEAD (TYP ALL E9 09 #9 BARS). SHIFT 2 EA BARS UP 8" TO AVOID UTILITY. BARS DO NOT NEED TO SIT IN THE HAUNCH OF ALL E9 12 #6 BARS (TYP ALL E9 09 #9 BARS). (DRFI-000212)

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
5	11/06/20	SJD	KF	SJD	NDC-000049 - FO RELOCATION FOR SPAN 9
4	10/28/20	SJD	KF	SJD	NDC-000042 - ADD OPTIONAL FIELD BEND
3	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVES REVISIONS
2	04/17/20	SJD	KF	SJD	NDC-000015 - UPSIZE FO SLEEVES
1	04/01/20	SJD	KF	SJD	NDC-000014 - REVISED GIRDER STOPS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

STATE OF WASHINGTON — STEPHEN J. DESPRADEL — 21611 — REGISTERED PROFESSIONAL ENGINEER
11/6/20 EXP. 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN — DATE: 11/04/19
Kiewit
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
LINE IS 1" AT FULL SCALE
City of Redmond
SCALE: AS NOTED
FILENAME: 085-B27-SPD107
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UNIT 3 - PIER 9 END DIAPHRAGM DETAILS

DRAWING No.: B27-SPD107
FACILITY ID: B27
SHEET No.: 85
REV.: 5

RECORD DRAWING #23-2204

11/01/20 15:15 PM | ALYSSA.SOLIZ
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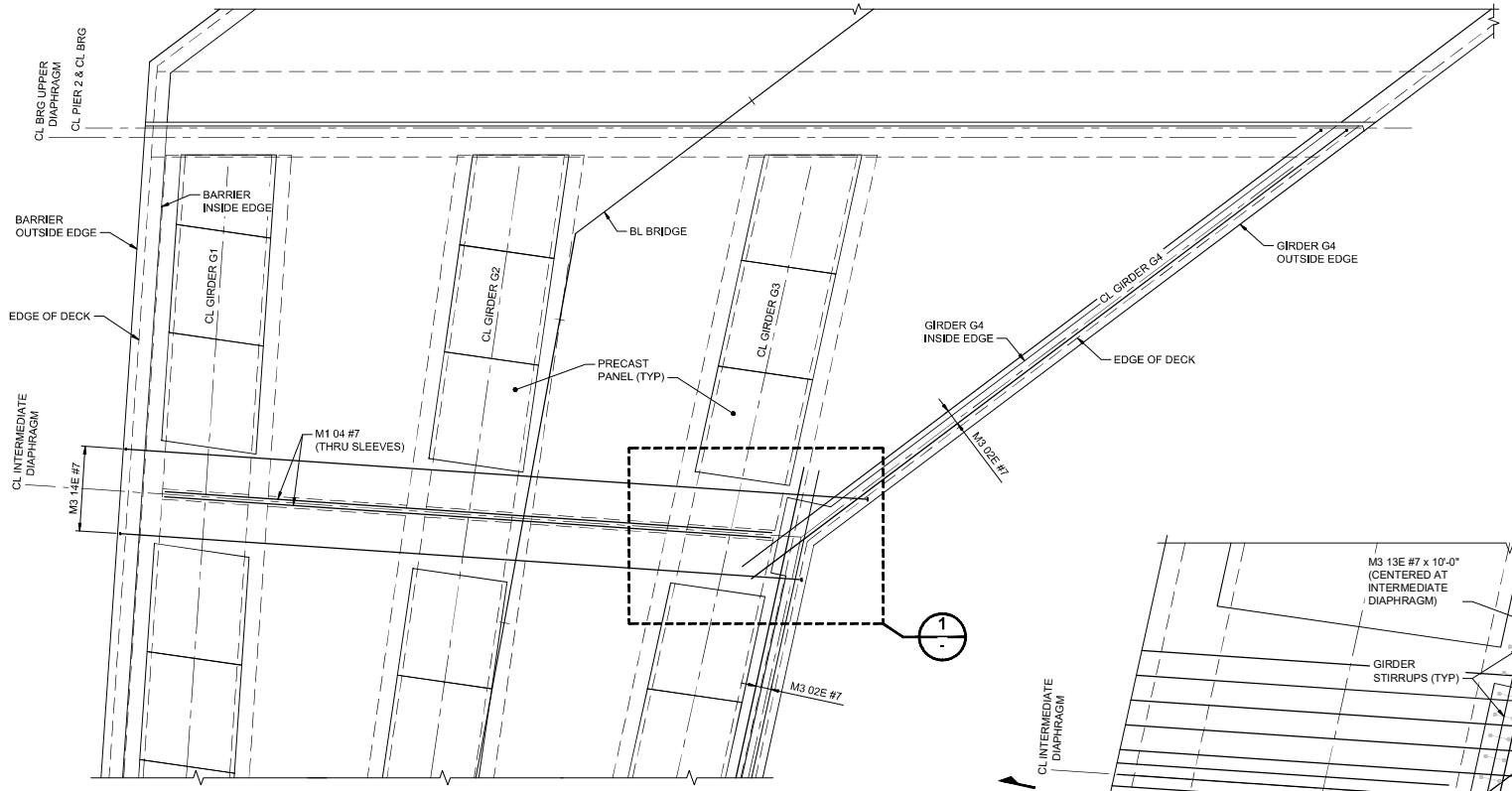
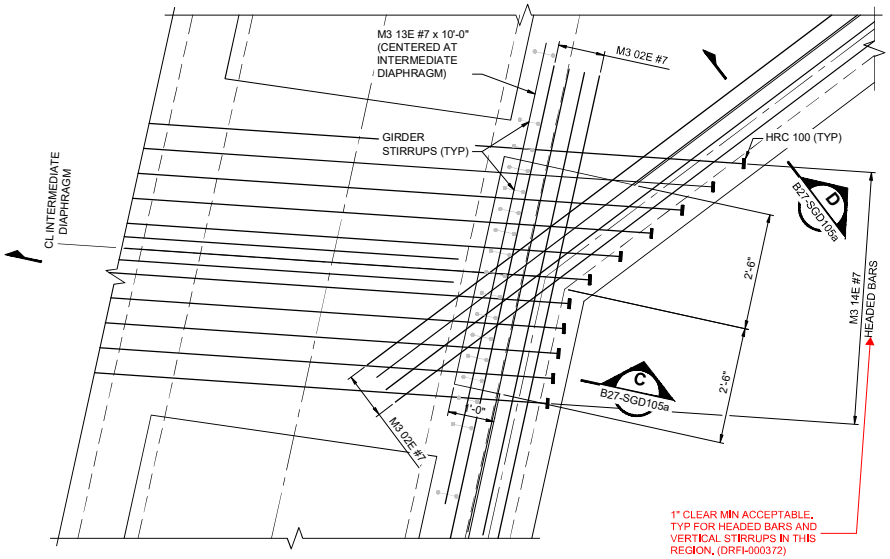


GIRDER G4 - PLAN
SCALE: 1/4" = 1'-0"

NOTES:

1. SEE DECK SLAB REINFORCEMENT SHEET FOR ADDITIONAL DECK REINFORCEMENT.



DETAIL 1
SCALE: 3/4" = 1'-0"

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 20117191 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

IFC SUBMITTAL

No.	DATE	DSN	CHK	APP	REVISION
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

BARRY J. DESPRADEL — STATE OF WASHINGTON — 20117191 — REGISTERED PROFESSIONAL ENGINEER
11/05/2019 EXP: 03-15-21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond
SUBMITTAL DATE: 11/04/19

SCALE: AS NOTED
FILENAME: 086-B27-SGD104

RTS PEDESTRIAN BRIDGE

UNIT 1 - GIRDER G4 / DIAPHRAGM DETAILS
SHEET 1 OF 3

DRAWING No.: B27-SGD104
FACILITY ID: B27
SHEET No.: 86
REV.:

RECORD DRAWING #23-2205

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I:\EMD-SBC-SGX100.dwg
I:\EMD-SBC-SVP100.dwg
10/31/19 | 4:53 PM | DIETRICH HENDERSON
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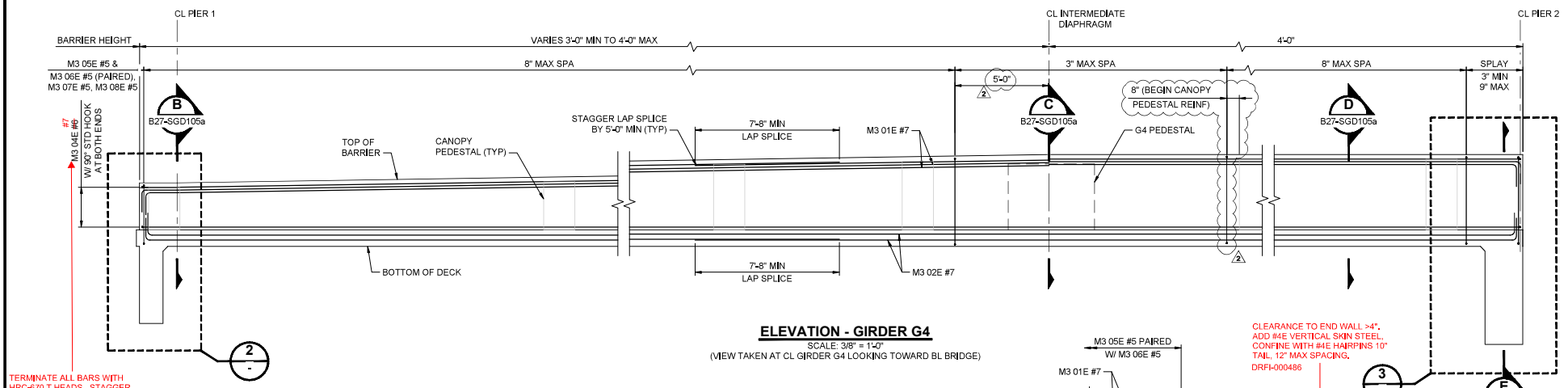
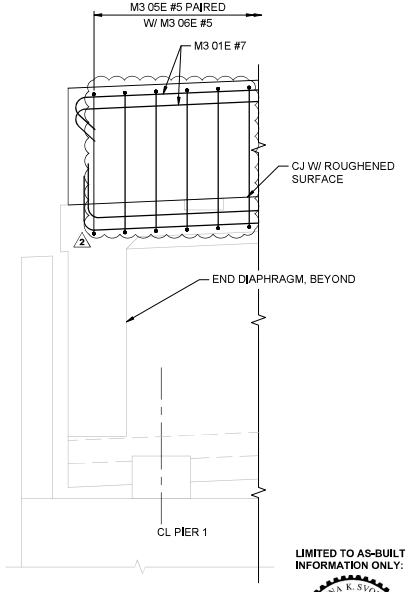


ELEVATION - GIRDER G4

SCALE: 3/8" = 1'-0"

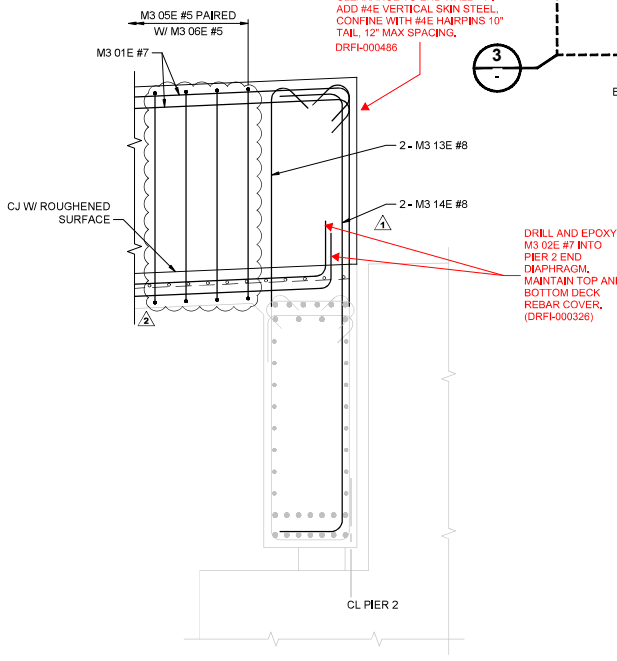
(VIEW TAKEN AT CL GIRDER G4 LOOKING TOWARD BL BRIDGE)

TERMINATE ALL BARS WITH HRC-670 T HEADS. STAGGER T HEADS 6" EVERY OTHER BAR ACCEPTABLE. HOOK UPSTATION TAILS OF TOP M3 04E BEHIND THE TAILS OF THE M3 01E #7'S. (DRFI-000447)



DETAIL 2

SCALE: 3/4" = 1'-0"



DETAIL 3

SCALE: 3/4" = 1'-0"

LIMITED TO AS-BUILT INFORMATION ONLY:

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	11/06/20	SJD	KF	SJD	NDC-000046 - FINAL CANOPY REACTIONS
1	04/01/20	SJD	KF	SJD	NDC-000014 - REVISED GIRDER G4 REINFORCEMENT
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

11/6/20 EXP: 3/15/21

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 087-B27-SGD105

RTS PEDESTRIAN BRIDGE

UNIT 1 - GIRDER G4 / DIAPHRAGM DETAILS
SHEET 2 OF 3

DRAWING No.: B27-SGD105
FACILITY ID: B27
SHEET No.: 87
REV.: 2

RECORD DRAWING #23-2206

12/03/20 | 8:33 PM | ALYSSA.SOLIZ
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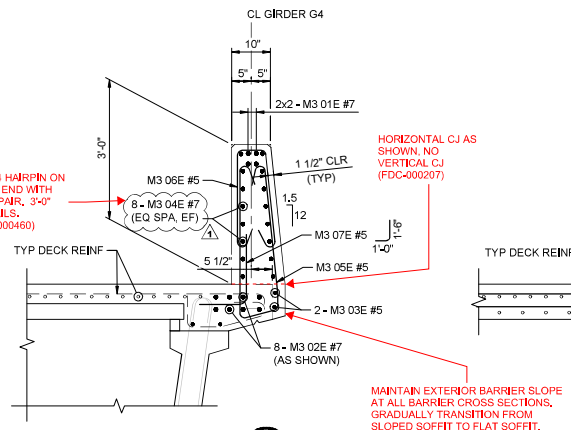
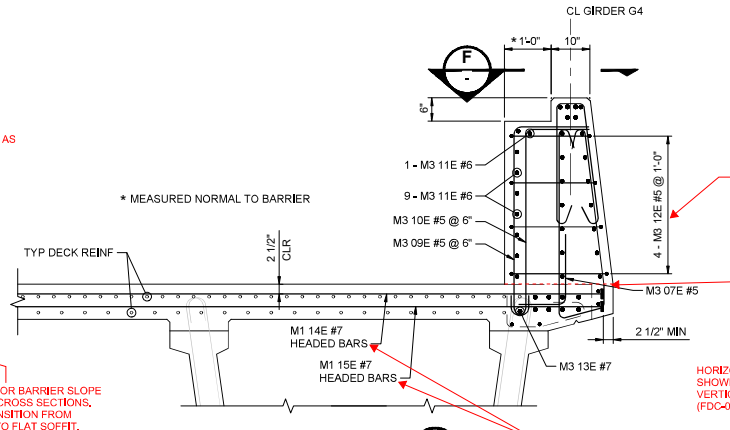
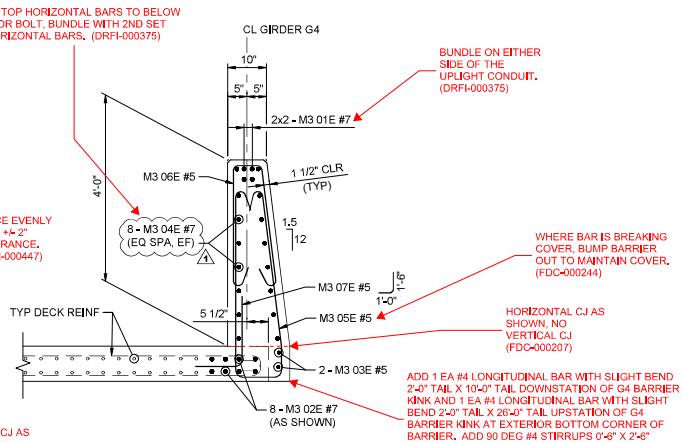


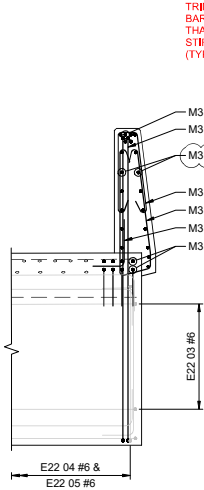
SECTION B — SCALE: 3/4" = 1'-0" — B27-SGD105



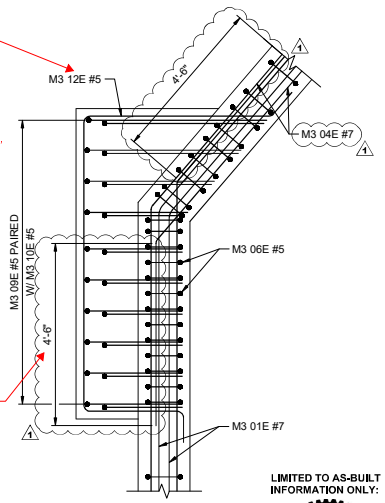
SECTION C — SCALE: 3/4" = 1'-0" (FOR CALLOUTS NOT SHOWN, SEE SECTION D) — B27-SGD104, B27-SGD105



SECTION D — SCALE: 3/4" = 1'-0" — B27-SGD104, B27-SGD105



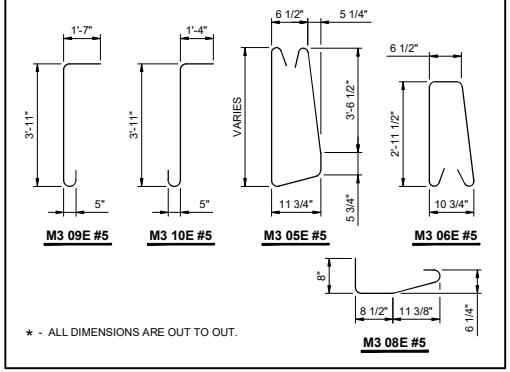
SECTION E — SCALE: 1/2" = 1'-0" — B27-SGD105



VIEW F — NTS

LIMITED TO AS-BUILT INFORMATION ONLY:

BENDING DIAGRAMS *



* - ALL DIMENSIONS ARE OUT TO OUT.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	11/06/20	SJD	KF	SJD	NDC-000046 - FINAL CANOPY REACTIONS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

JARED J. DESPRADEL — STATE OF WASHINGTON — 21611 — PROFESSIONAL ENGINEER
11/6/20 — EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 087A-B27-SGD105A

RTS PEDESTRIAN BRIDGE

UNIT 1 - GIRDER G4 / DIAPHRAGM DETAILS
SHEET 3 OF 3

DRAWING No.: B27-SGD105a
FACILITY ID: B27
SHEET No.: 87a
REV.: 1

RECORD DRAWING #23-2207

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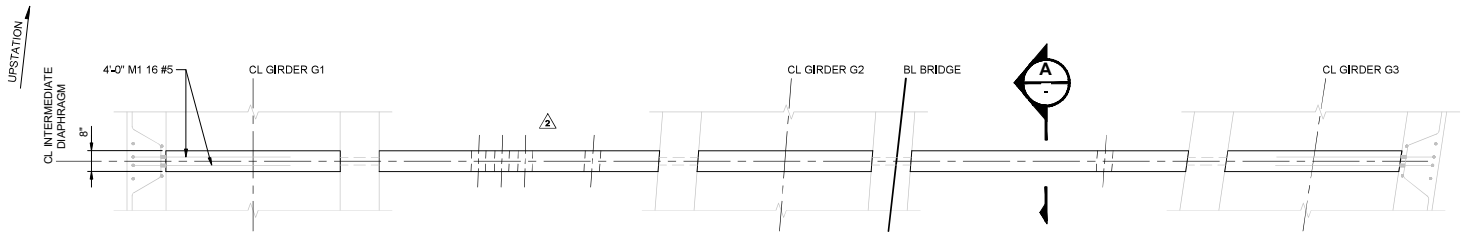
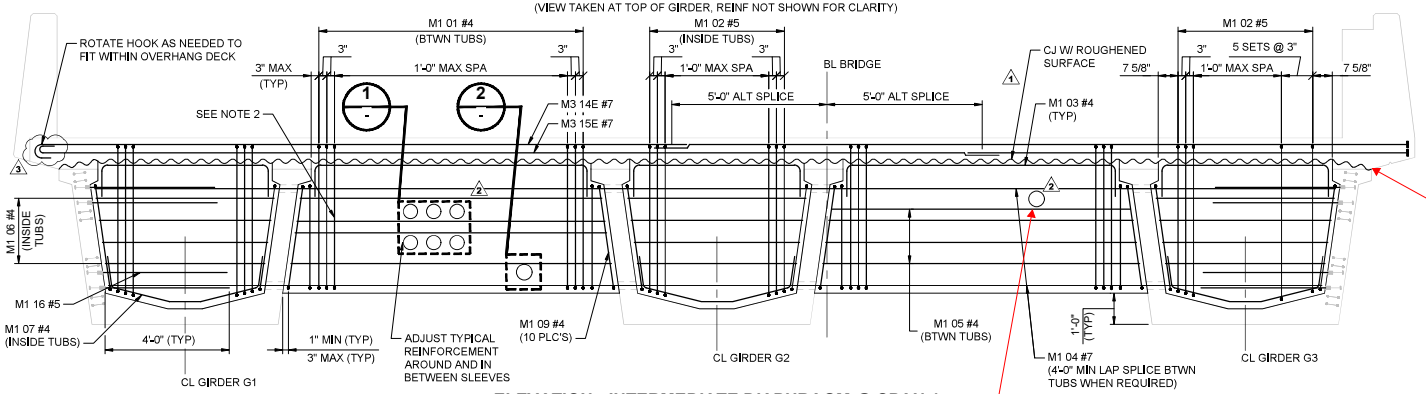


PLAN

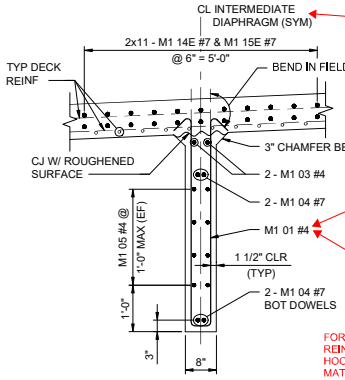
SCALE: 1/2" = 1'-0"
(VIEW TAKEN AT TOP OF GIRDER, REINF NOT SHOWN FOR CLARITY)



ELEVATION - INTERMEDIATE DIAPHRAGM @ SPAN 1

SCALE: 1/2" = 1'-0"
(VIEW TAKEN AT CL INTERMEDIATE DIAPHRAGM)

DRAIN BLOCKOUT LOWERED VERTICALLY 6". (DRFI-000281)

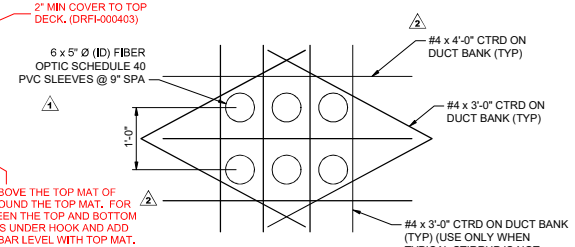


SECTION A

SCALE: 3/4" = 1'-0"

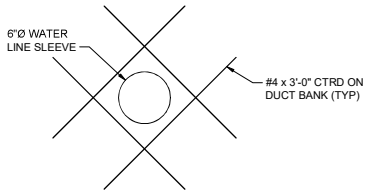
2" MIN COVER TO TOP DECK. (DRFI-000403)

FOR HOOKS THAT ARE ABOVE THE TOP MAT OF REINFORCING, HOOK AROUND THE TOP MAT. FOR HOOKS THAT ARE BETWEEN THE TOP AND BOTTOM MAT SHIFT TOP MAT BARS UNDER HOOK AND ADD #5E TRANSVERSE DECK BAR LEVEL WITH TOP MAT. FOR HOOKS THAT LAND ABOVE TOP OF DECK, TRIM HOOKS AT START OF BEND RADIUS AND FIELD BEND AROUND TOP MAT. FOR STIRRUPS THAT ARE SHORTER THAN AVERAGE ADD J BARS WITH 90 AND 135 DEG HOOK AROUND LONGITUDINAL BARS. (DRFI-000390)



DETAIL 1

SCALE: 1" = 1'-0"



DETAIL 2

SCALE: 1" = 1'-0"

NOTES:

1. SEE DRAWING B27-SGD100 FOR LOCATION OF SLEEVES AND INSERTS.
2. WHEN UTILITY DUCTS OR SLEEVES OBSTRUCT THE BARS, BUNDLE BARS AT EACH SIDE OF THE UTILITY DUCT, OR GROUP OF SLEEVES. PLACE ONE BAR BETWEEN SLEEVES.
3. MAXIMUM AGGREGATE SIZE IS 3/4". MIX DESIGN FOR THIS DIAPHRAGM SHALL CONSIDER THIS MAXIMUM AGGREGATE SIZE. SPECIAL CARE SHALL BE TAKEN TO ENSURE GOOD CONCRETE CONSOLIDATION AT THE UTILITY SLEEVES.
4. TOP SLOPE OF INTERMEDIATE DIAPHRAGM FOLLOWS SLOPE OF SPAN 1 GIRDERS (4.56%). (DRFI-000278)

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 21810 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
3	11/06/20	SJD	KF	SJD	NDC-000046 - HOOK PLACEMENT ON TOP REINF
2	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVE REVISION
1	04/17/20	SJD	KF	SJD	NDC-000015 - UPSIZE FO SLEEVES
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: K. MORINVILLE
CHECKED BY: R. TUCHSCHERER
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — 21810 — REGISTERED PROFESSIONAL ENGINEER
11/6/20 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON

SCALE: AS NOTED
FILENAME: 088-B27-SGD901

RTS PEDESTRIAN BRIDGE

UNIT 1 - INTERMEDIATE DIAPHRAGM SPAN 1

DRAWING No.: B27-SGD901
FACILITY ID: B27
SHEET No.: 88
REV.: 3

RECORD DRAWING #23-2208

11/01/20 1:49 PM | ALYSSA.SOLIZ
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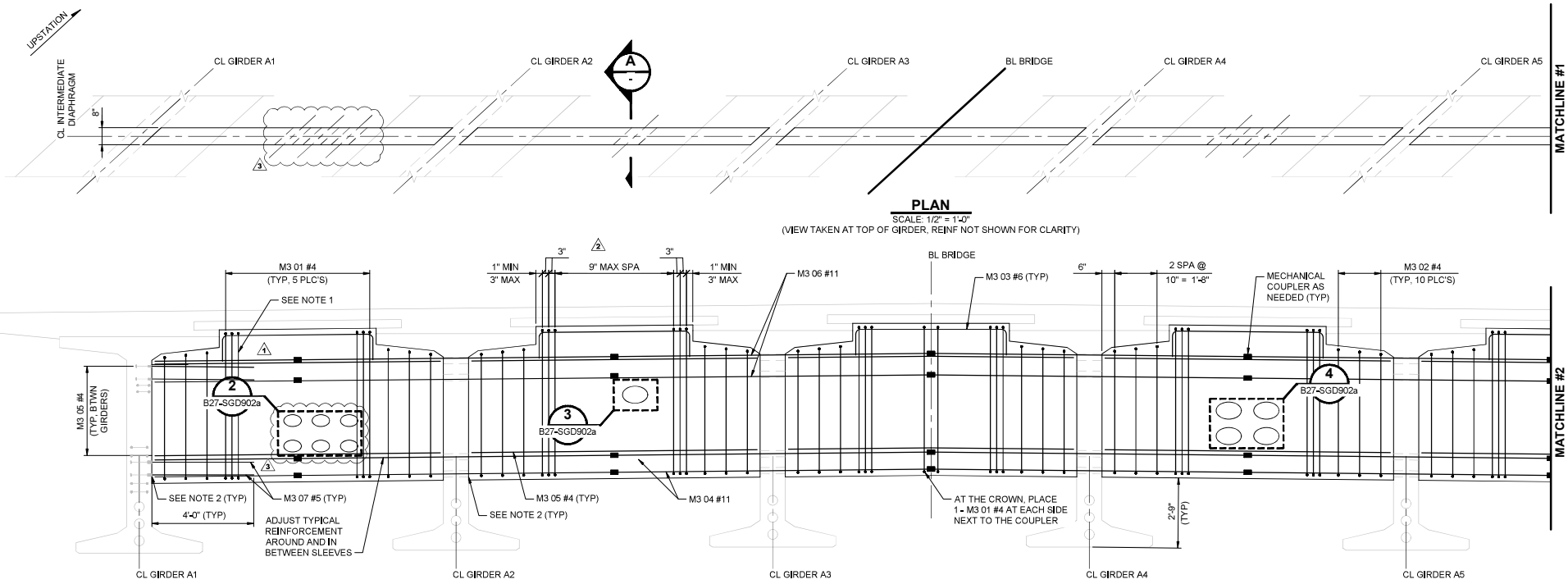

NOTES:

1. WHEN UTILITY DUCTS OR SLEEVES OBSTRUCT THE BAR, BUNDLE BARS AT EACH SIDE OF THE UTILITY DUCT, OR GROUP OF SLEEVES. PLACE ONE BAR BETWEEN SLEEVES.
2. FOR LOCATION OF SLEEVES AND INSERTS SEE DRAWING B27-SGV200 AND B27-SGV201. FOR EXTERIOR GIRDER INTERMEDIATE DIAPHRAGM INSERT DETAIL SEE DRAWING B27-SGD202.
3. MAXIMUM AGGREGATE SIZE IS 3/4". MIX DESIGN FOR THIS DIAPHRAGM SHALL CONSIDER THIS MAXIMUM AGGREGATE SIZE. SPECIAL CARE SHALL BE TAKEN TO ENSURE GOOD CONCRETE CONSOLIDATION AT THE UTILITY SLEEVES.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
3	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVE REVISION
2	08/21/20	SJD	KF	SJD	NDC-000030 - GIRDER SHIFT
1	03/06/20	SJD	KF	SJD	NDC-000011 - UPSIZE FO SLEEVES
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: R. TUCHSCHERER
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — 21011 — REGISTERED PROFESSIONAL ENGINEER
9/11/20 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN — DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA — DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON

SCALE: AS NOTED
FILENAME: 089-B27-SGD902
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UNIT 2 - INTERMEDIATE DIAPHRAGM
SPAN 2

DRAWING No.: **B27-SGD902**
FACILITY ID: B27
SHEET No.: 89
REV.: 3

RECORD DRAWING #23-2209

09/10/20 | 4:39 PM | ALYSSA.SOLIZ
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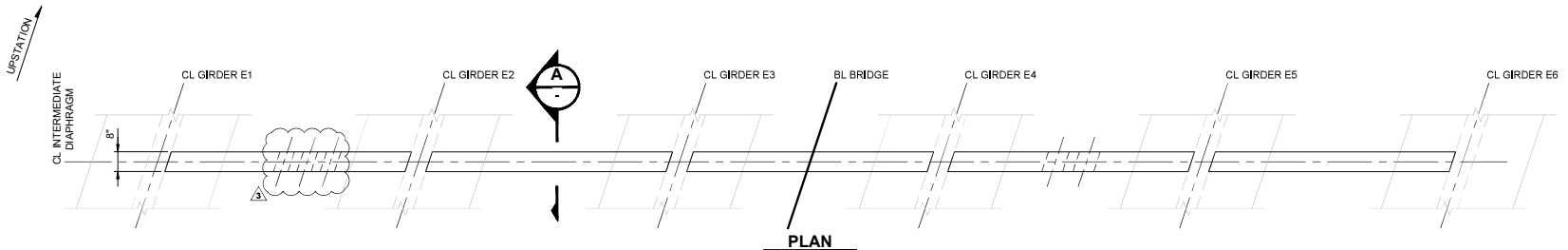


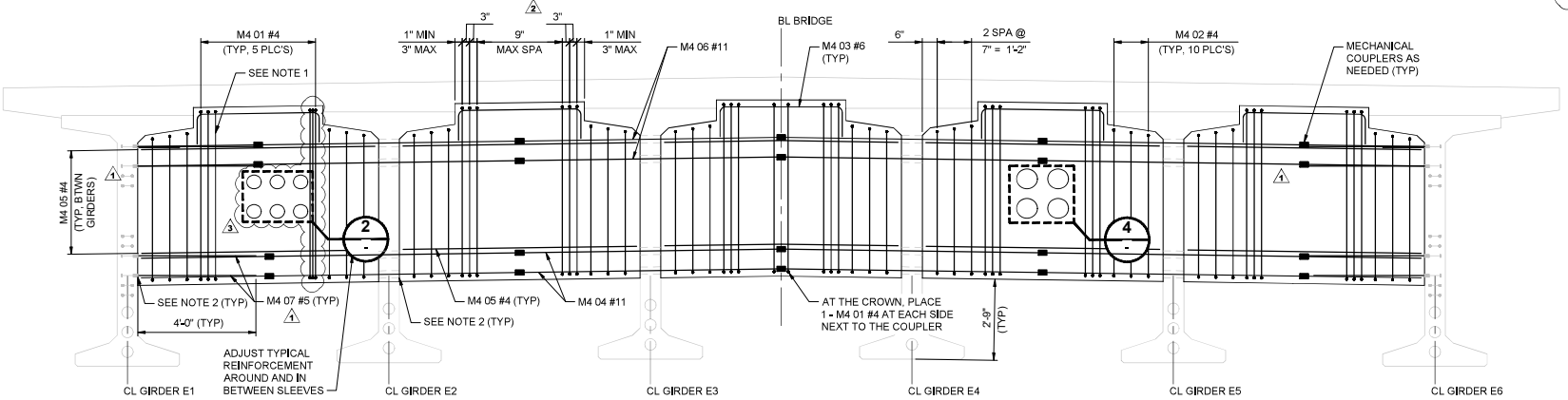
PLAN

SCALE: 1/2" = 1'-0"

(VIEW TAKEN AT TOP OF GIRDER, REINF NOT SHOWN FOR CLARITY)

NOTES:

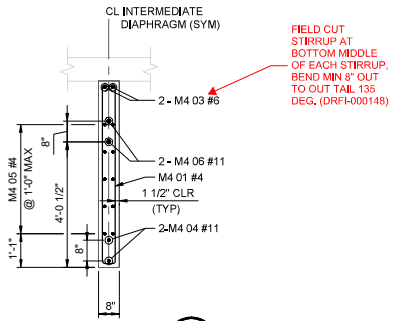
1. WHEN UTILITY DUCTS OR SLEEVES OBSTRUCT THE BAR, BUNDLE BARS AT EACH SIDE OF THE UTILITY DUCT, OR GROUP OF SLEEVES. PLACE ONE BAR BETWEEN SLEEVES.
2. FOR LOCATION OF SLEEVES AND INSERTS, SEE DRAWING B27-SGV200 AND B27-SGV201. FOR EXTERIOR GIRDER INTERMEDIATE DIAPHRAGM INSERT DETAIL SEE DRAWING B27-SGD202.
3. MAXIMUM AGGREGATE SIZE IS 3/4". MIX DESIGN FOR THIS DIAPHRAGM SHALL CONSIDER THIS MAXIMUM AGGREGATE SIZE. SPECIAL CARE SHALL BE TAKEN TO ENSURE GOOD CONCRETE CONSOLIDATION AT THE UTILITY SLEEVES.



ELEVATION - INTERMEDIATE DIAPHRAGM @ SPAN 4

SCALE: 1/2" = 1'-0"

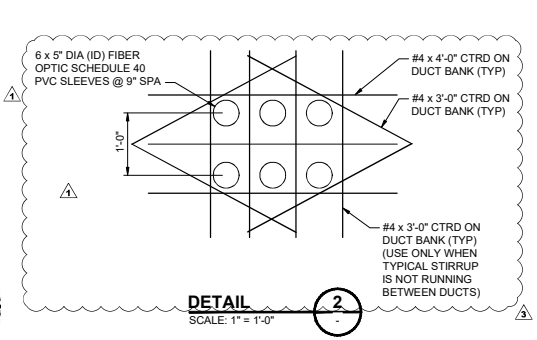
(VIEW TAKEN AT CL INTERMEDIATE DIAPHRAGM)



SECTION A

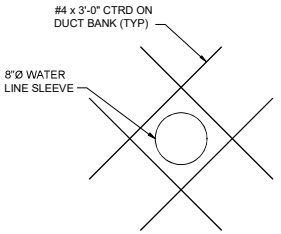
SCALE: 1/2" = 1'-0"

LIMITED TO AS-BUILT INFORMATION ONLY:



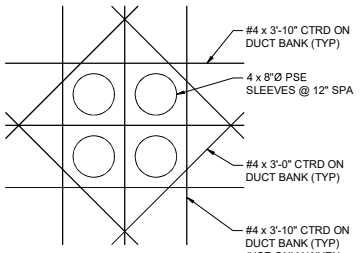
DETAIL 2

SCALE: 1" = 1'-0"



DETAIL 3

SCALE: 1" = 1'-0" B27-SGD902



DETAIL 4

SCALE: 1" = 1'-0"

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
3	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVE REVISION
2	08/21/20	SJD	KF	SJD	NDC-000030 - GIRDER SHIFT
1	03/06/20	SJD	KF	SJD	NDC-000011 - UPSIZE FO SLEEVES
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: J. SCHMIDT
CHECKED BY: R. TUCHSCHERER
APPROVED BY: S. DESPRADEL

Kiewit Engineering Group Inc. Englewood, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 089A-B27-SGD902A

RTS PEDESTRIAN BRIDGE

UNIT 2 - INTERMEDIATE DIAPHRAGM
SPAN 4

DRAWING No.: B27-SGD902a
FACILITY ID: B27
SHEET No.: 89a
REV.: 3

RECORD DRAWING #23-2210

09/10/20 | 4:46 PM | ALYSSA.SOLIZ
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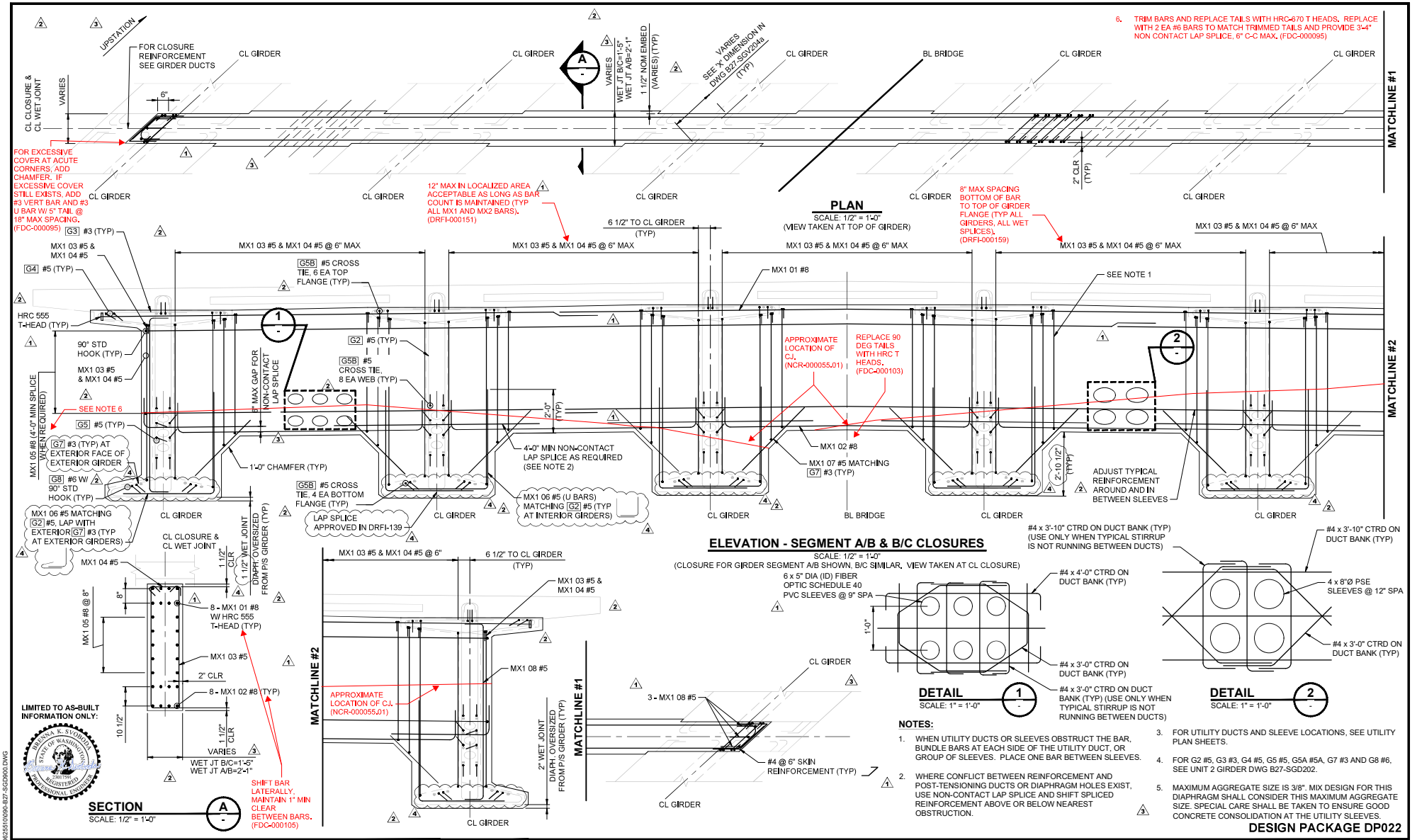

No.	DATE	DSN	CHK	APP	REVISION
4	10/28/20	SJD	KF	SJD	NDC-000042 - FDC-077 WET SPLICE SOFFIT
3	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVE REVISION
2	08/21/20	SJD	KF	SJD	NDC-000030 - GIRDER SHIFT
1	03/06/20	SJD	KF	SJD	NDC-000011 - UPSIZE FO SLEEVES
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: D. HENDERSON
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19
REVIEWED BY: T. KRAUPA | DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

City of Redmond

SCALE: 1/2" = 1'-0"
FILENAME: 090-B27-SGD900

RTS PEDESTRIAN BRIDGE

UNIT 2 - SPLICED GIRDER WET JOINT DETAILS
SHEET 1 OF 2

DRAWING No.: B27-SGD900
FACILITY ID: B27
SHEET No.: 90
REV.: 4

10/28/20 | 10:48 AM | ALYSSA.SOLZ
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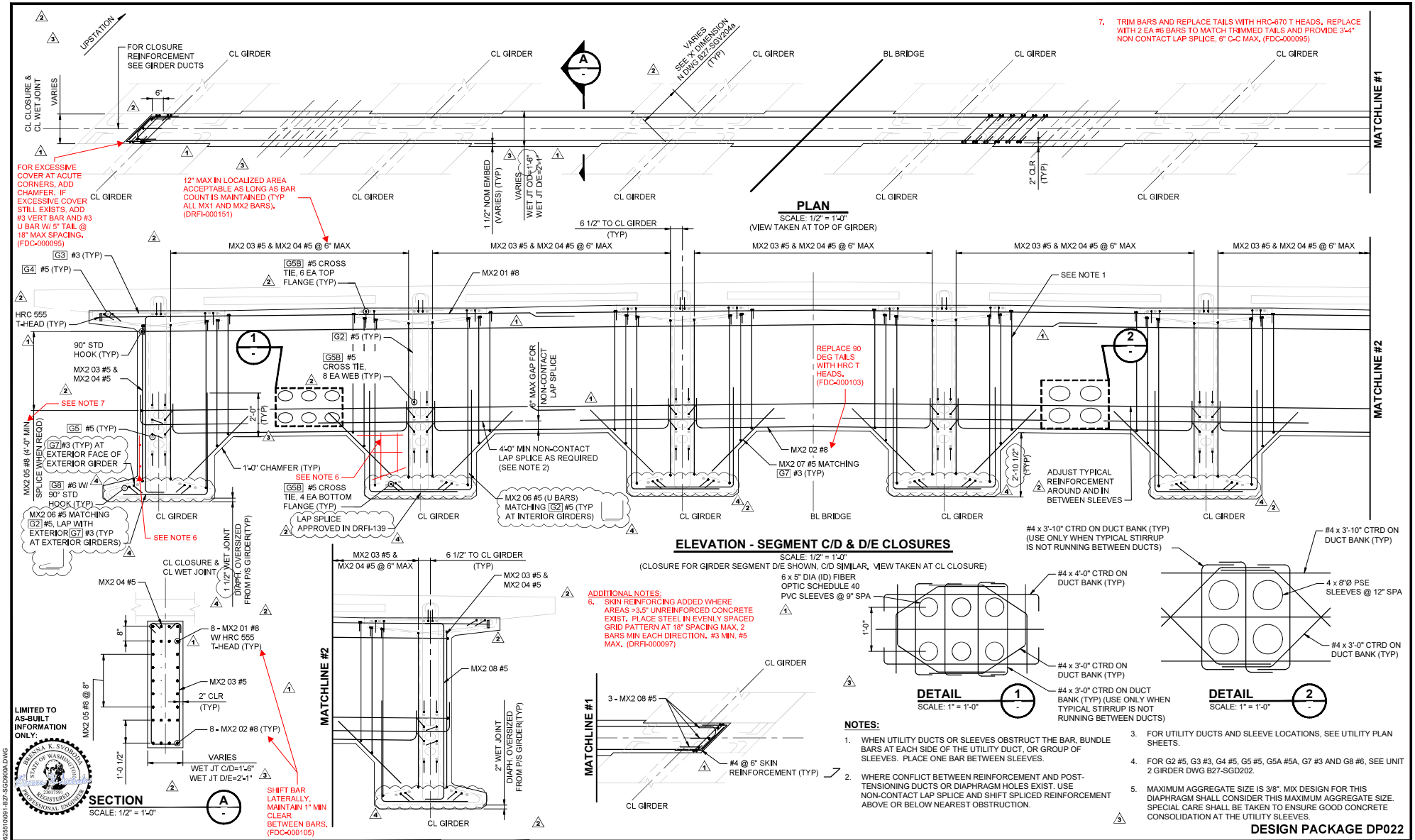

ADDITIONAL NOTES:

6. SKIN REINFORCING ADDED WHERE AREAS >3.5" UNREINFORCED CONCRETE EXIST. PLACE STEEL IN EVENLY SPACED GRID PATTERN AT 18" SPACING MAX, 2 BARS MIN EACH DIRECTION. #3 MIN, #5 MAX. (DRFI-000097)

7. TRIM BARS AND REPLACE TAILS WITH HRC-670 T HEADS. REPLACE WITH 2 EA #6 BARS TO MATCH TRIMMED TAILS AND PROVIDE 3'-4" NON CONTACT LAP SPLICE, 6" C-C MAX. (FDC-000095)

NOTES:

1. WHEN UTILITY DUCTS OR SLEEVES OBSTRUCT THE BAR, BUNDLE BARS AT EACH SIDE OF THE UTILITY DUCT, OR GROUP OF SLEEVES. PLACE ONE BAR BETWEEN SLEEVES.
2. WHERE CONFLICT BETWEEN REINFORCEMENT AND POST-TENSIONING DUCTS OR DIAPHRAGM HOLES EXIST. USE NON-CONTACT LAP SPLICE AND SHIFT SPLICED REINFORCEMENT ABOVE OR BELOW NEAREST OBSTRUCTION.
3. FOR UTILITY DUCTS AND SLEEVE LOCATIONS, SEE UTILITY PLAN SHEETS.
4. FOR G2 #5, G3 #3, G4 #5, G5 #5, G5A #5A, G7 #3 AND G8 #6, SEE UNIT 2 GIRDER DWG B27-SGD202.
5. MAXIMUM AGGREGATE SIZE IS 3/8". MIX DESIGN FOR THIS DIAPHRAGM SHALL CONSIDER THIS MAXIMUM AGGREGATE SIZE. SPECIAL CARE SHALL BE TAKEN TO ENSURE GOOD CONCRETE CONSOLIDATION AT THE UTILITY SLEEVES.

DESIGN PACKAGE DP022

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23817581 — REGISTERED PROFESSIONAL ENGINEER

No.	DATE	DSN	CHK	APP	REVISION
4	10/28/20	SJD	KF	SJD	NDC-000042 - FDC-077 WET SPLICE SOFFIT
3	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVE REVISION
2	08/21/20	SJD	KF	SJD	NDC-000030 - GIRDER SHIFT
1	03/06/20	SJD	KF	SJD	NDC-000011 - UPSIZE FO SLEEVES
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — 10/28/20 — EXP: 3/15/21

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/2" = 1'-0"
FILENAME: 091-B27-SGD900A

RTS PEDESTRIAN BRIDGE

UNIT 2 - SPLICED GIRDER WET JOINT DETAILS
SHEET 2 OF 2

DRAWING No.: **B27-SGD900a**
FACILITY ID: B27
SHEET No.: 91 | REV.: 4

RECORD DRAWING #23-2212

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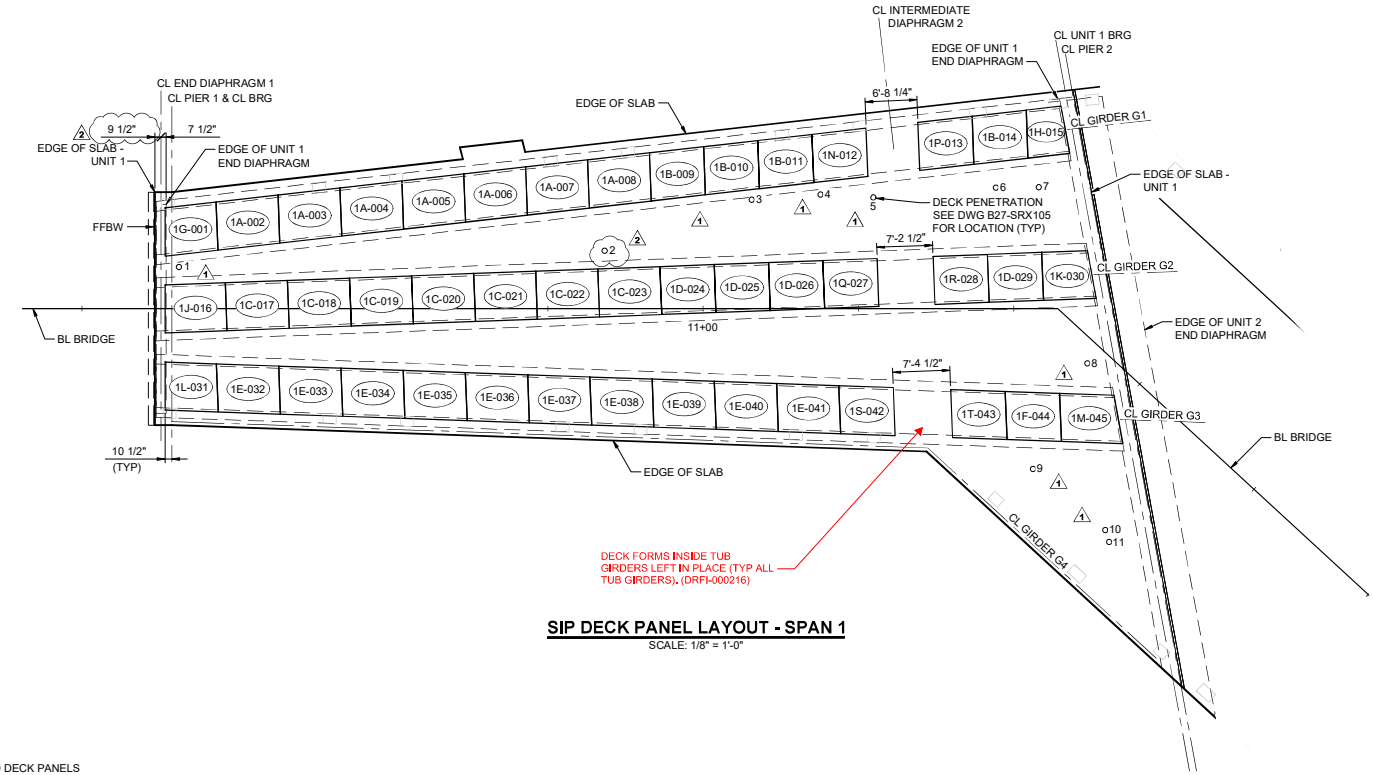

SIP DECK PANEL LAYOUT - SPAN 1

SCALE: 1/8" = 1'-0"

LEGEND:

(1) ALL PANELS ARE TRAPEZOIDAL OR END DECK PANELS

NOTES:

1. SEE DWG B27-SND100 FOR PRECAST PANEL SCHEDULE.
2. SEE DWG B27-SND101 OR B27-SND102 FOR PRECAST PANEL DETAILS.

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENDA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	01/22/21	SJD	KF	SJD	NDC-000052 - ADDED WS TRENCH DRAIN OUTLET
1	09/28/20	SJD	KF	SJD	NDC-000027 - CIP DECK PENETRATION LOCATIONS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JARED J. DESPRADEL — STATE OF WASHINGTON — 21800 — REGISTERED PROFESSIONAL ENGINEER
1/22/21 EXP. 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/8" = 1'-0"
FILENAME: 092-B27-SNP100

CityofRedmond

RTS PEDESTRIAN BRIDGE

UNIT 1 - SIP DECK PANEL LAYOUT SPAN 1

DRAWING No.: B27-SNP100
FACILITY ID: B27
SHEET No.: 92
REV.: 2

RECORD DRAWING #23-2213

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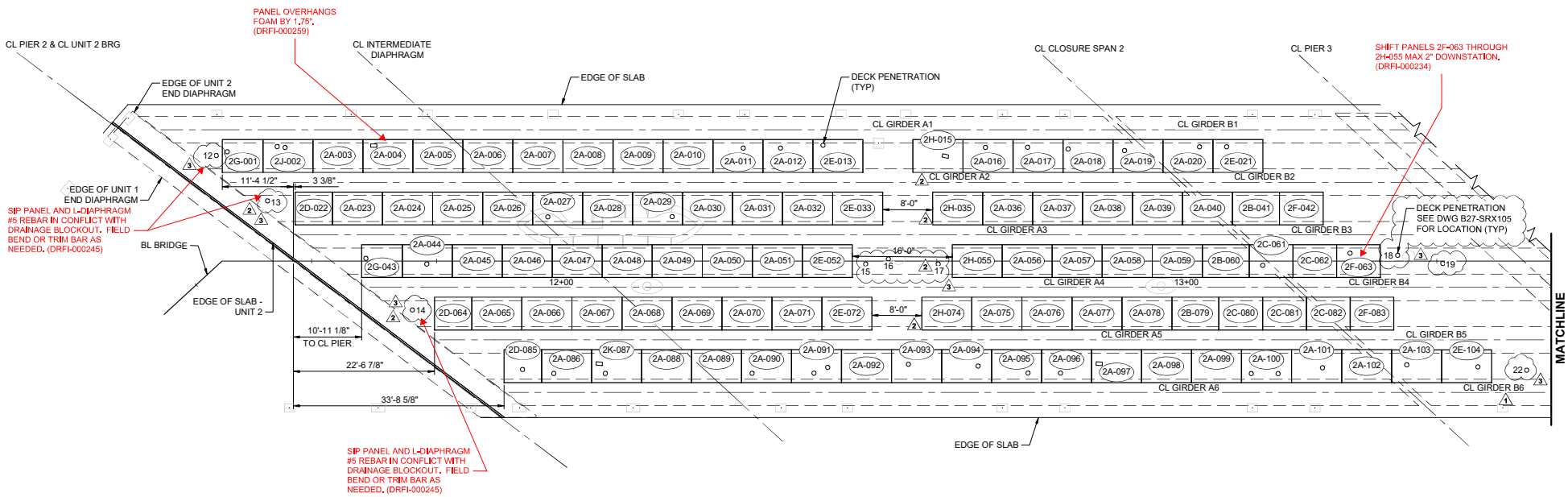


SIP DECK PANEL LAYOUT - SPAN 2

SCALE: 1/8" = 1'-0"

LEGEND:

- (2A) SPAN 2 STANDARD DECK PANEL 8'-0" WIDE
- (2B) SPAN 2 STANDARD DECK PANEL 7'-6" WIDE
- (2C) SPAN 2 STANDARD DECK PANEL 7'-0" WIDE
- (2D) SPAN 2 END DECK PANEL 6'-0" WIDE
- (2E) SPAN 2 END DECK PANEL 8'-0" WIDE
- (2F) SPAN 2 END DECK PANEL 7'-0" WIDE
- (2G) SPAN 2 END DECK PANEL 6'-6" WIDE
- (2H) SPAN 2 END DECK PANEL 8'-0" WIDE
- (2J) SPAN 2 SPECIAL DECK PANEL 8'-0" WIDE
- (2K) SPAN 2 SPECIAL DECK PANEL 8'-0" WIDE △1

NOTES:

1. SEE DWG B27-SND100 FOR PRECAST PANEL SCHEDULE.
2. SEE DWG B27-SND101, B27-SND102, OR B27-SND102a FOR PRECAST PANEL DETAILS. △1

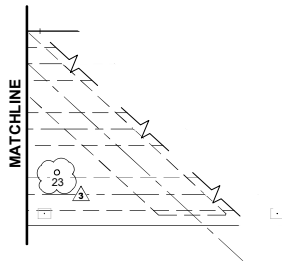
DECK PANEL DRAIN PENETRATION LOCATIONS

PANEL	'X'	'Y'	θ	PANEL	'X'	'Y'	θ	PANEL	'X'	'Y'	θ
2G-001	10 1/8"	1'-11 1/2"	-	2A-027	2'-5 5/8"	3'-11 1/2"	-	2A-094	5'-10 1/8"	2'-6 7/8"	-
2J-002	2'-3 3/4"	1'-1 3/8"	-	2A-029	6'-4 3/8"	3'-10 5/8"	-	2A-095	5'-10 3/8"	3'-8 1/4"	-
2J-002	3'-6 5/8"	1'-2 1/2"	-	2G-043	10 1/8"	2'-2 1/4"	-	2A-096	3'-0 5/8"	3'-8 3/4"	-
2A-004	1'-8 3/4"	11 5/8"	0.00°	2A-044	3'-11 1/2"	3'-0 7/8"	-	2A-097	1'-2 7/8"	2'-2 3/4"	2.48°
2A-011	4'-10 1/4"	1'-2 7/8"	-	2C-061	2'-2 1/8"	3'-0 1/4"	-	2A-100	1'-6 7/8"	3'-9 5/8"	-
2A-012	2'-9 7/8"	1'-4 1/4"	-	2F-063	2'-1 3/4"	1'-4 1/4"	-	2A-100	5'-10 3/8"	3'-9 3/8"	-
2E-013	1'-7 3/8"	11"	-	2D-085	2'-11 1/2"	3'-1 3/4"	-	2A-101	4'-11 1/2"	2'-10 3/8"	-
2H-015	5'-2 3/8"	2'-7 3/8"	10.67°	2A-086	1'-11 5/8"	3'-9 1/2"	-	2A-103	2'-5 1/8"	2'-4 3/4"	-
2A-016	3'-7 5/8"	1'-3"	-	2K-087	1'-2 7/8"	2'-2 5/8"	-	2E-104	5'-9 7/8"	2'-8 3/8"	-
2A-017	2'-3 1/8"	1'-3"	-	2K-087	2'-4"	3'-9 3/4"	-				
2A-018	10 1/8"	1'-6 1/8"	-	2A-090	1'-8 1/2"	3'-9 1/8"	-				
2A-019	1'-10 5/8"	1'-9"	-	2A-091	3'-7 3/8"	3'-8 7/8"	-				
2A-020	5'-10 1/4"	1'-1 3/4"	-	2A-091	5'-9 5/8"	2'-9 3/8"	-				
2E-021	2'-2 3/8"	1'-2"	-	2A-093	2'-8 1/2"	2'-3 3/4"	-				

△2

LIMITED TO AS-BUILT INFORMATION ONLY:

△1



DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
3	09/28/20	SJD	KF	SJD	NDC-000027 - CIP DECK PENETRATION LOCATIONS
2	08/12/20	SJD	KF	SJD	NDC-000035 - ADDED DIMS FOR CIP DECK REGIONS
1	05/13/20	SJD	KF	SJD	NDC-000016 - FINAL SIP PANEL DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

9/28/20 3/15/21

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN DATE: 11/04/19
REVIEWED BY: T. KRAUPA DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/8" = 1'-0"
FILENAME: 093-B27-SNP101

RTS PEDESTRIAN BRIDGE

UNIT 2 - SIP DECK PANEL LAYOUT SPAN 2

DRAWING No.: B27-SNP101
FACILITY ID: B27
SHEET No.: 93 REV: 3

RECORD DRAWING #23-2214

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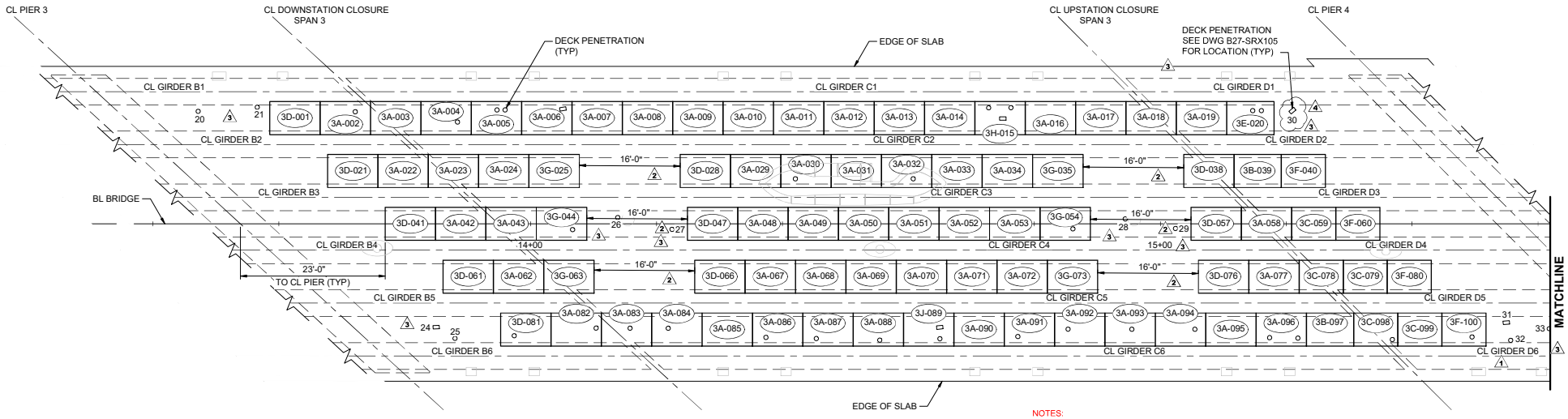


NOTES:
1. FOR HAUNCH HEIGHTS LESS THAN 1/2", USE EPOXY GROUT AND WET SET PANELS (NORTH SIDE 3A-083, 3A-084, 3A-087, 3A-088). FOR HAUNCH HEIGHTS GREATER THAN 1/2" BUT LESS THAN 1" USE GROUT AS BEARING MATERIAL TO SET PANELS (SOUTH SIDE 3A-004, 3A-005, 3A-024, 3G-025, 3D-028; NORTH SIDE 3A-062, 3A-082, 3A-085, 3A-086; BOTH SIDES 3G-044, 3G-063, 3D-066). (DRFI-000228)

SIP DECK PANEL LAYOUT - SPAN 3

SCALE: 1/8" = 1'-0"

LEGEND:

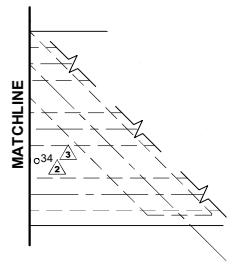
- (3A) SPAN 3 STANDARD DECK PANEL 8'-0" WIDE
- (3B) SPAN 3 STANDARD DECK PANEL 7'-6" WIDE
- (3C) SPAN 3 STANDARD DECK PANEL 7'-0" WIDE
- (3D) SPAN 3 END DECK PANEL 8'-0" WIDE
- (3E) SPAN 3 END DECK PANEL 7'-6" WIDE
- (3F) SPAN 3 END DECK PANEL 7'-0" WIDE
- (3G) SPAN 3 END DECK PANEL 8'-0" WIDE
- (3H) SPAN 3 SPECIAL DECK PANEL 8'-0" WIDE
- (3J) SPAN 3 SPECIAL DECK PANEL 8'-0" WIDE

NOTES:

1. SEE DWG B27-SND100 FOR PRECAST PANEL SCHEDULE.
2. SEE DWG B27-SND101 OR B27-SND102a FOR PRECAST PANEL DETAILS.

DECK PANEL DRAIN PENETRATION LOCATIONS

PANEL	'X'	'Y'	θ	PANEL	'X'	'Y'	θ	PANEL	'X'	'Y'	θ
3A-002	5'-7 1/8"	1'-7 1/8"	-	3D-081	2'-2 1/8"	3'-7 1/4"	-	3A-096	6'-7 7/8"	3'-11 1/2"	-
3A-004	5'-10"	3'-2 5/8"	-	3A-082	7'-2 1/4"	2'-4 1/4"	-	3C-098	6'-2 1/8"	4'-2 1/4"	-
3A-005	4'-1 1/8"	1'-3 3/4"	-	3A-083	4'-6 3/4"	2'-4 5/8"	-	3F-100	4'-10 1/8"	3'-9 1/4"	-
3A-005	5'-4 1/2"	1'-3 5/8"	-	3A-084	2'-7 1/2"	2'-5"	-				
3A-006	6'-6 5/8"	1'-1 1/2"	9.55°	3A-086	2'-2 1/8"	3'-10 1/2"	-				
3H-015	2'-2 1/4"	1'-0"	-	3A-087	2'-2"	4'-0 1/2"	-				
3H-015	4'-5 1/2"	2'-7 7/8"	0.00°	3A-088	4'-3 1/8"	4'-3 1/2"	-				
3H-015	5'-9"	11 3/8"	-	3J-089	5'-9 1/4"	2'-2 7/8"	5.88°				
3E-020	4'-1 5/8"	1'-5"	-	3J-089	5'-9 3/4"	4'-0 5/8"	-				
3E-020	5'-6 1/4"	1'-5 1/8"	-	3A-091	2'-2 1/8"	3'-8 7/8"	-				
3A-030	2'-4 1/8"	3'-10 3/8"	-	3A-092	2'-2"	2'-6 3/4"	-				
3A-032	5'-0 7/8"	3'-10 1/8"	-	3A-093	4'-3 3/8"	2'-6 5/8"	-				
3G-044	5'-9 1/2"	3'-6 1/8"	-	3A-094	6'-3 1/2"	2'-6 5/8"	-				
3G-054	5'-3 1/8"	3'-4 7/8"	-	3A-096	2'-2 1/8"	3'-10 7/8"	-				



LIMITED TO AS-BUILT INFORMATION ONLY:

BRENA K. SVOBODA — STATE OF WASHINGTON — 21811704 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
4	01/22/21	SJD	KF	SJD	NDC-000052 - REVISED PENETRATION LOCATIONS
3	09/28/20	SJD	KF	SJD	NDC-000027 - CIP DECK PENETRATION LOCATIONS
2	08/12/20	SJD	KF	SJD	NDC-000035 - ADDED DIMS FOR CIP DECK REGIONS
1	05/13/20	SJD	KF	SJD	NDC-000016 - FINAL SIP PANEL DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

AARON J. DESPRADEL — STATE OF WASHINGTON — 21811704 — PROFESSIONAL ENGINEER
1/22/21 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN — DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA — DATE: 11/04/19

LINE IS 1" AT FULL SCALE

City of Redmond — WASHINGTON
SCALE: 1/8" = 1'-0"
FILENAME: 094-B27-SNP102
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UNIT 2 - SIP DECK PANEL LAYOUT SPAN 3

DRAWING No.: B27-SNP102
FACILITY ID: B27
SHEET No.: 94
REV: 4

RECORD DRAWING #23-2215

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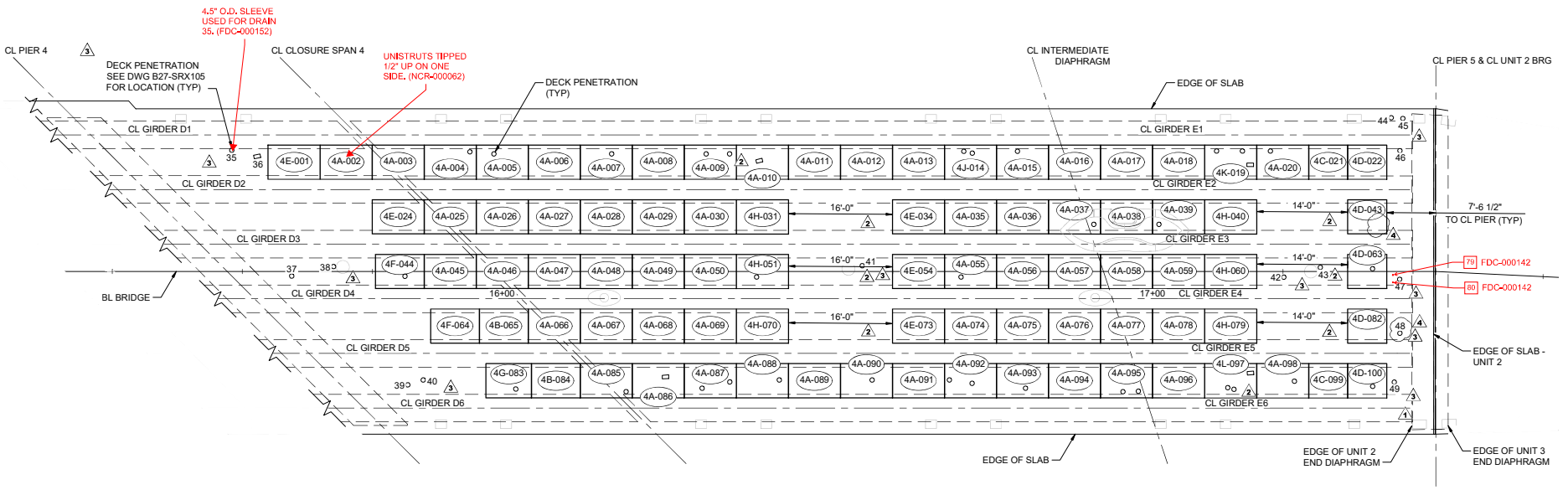

LEGEND:

- 4A SPAN 4 STANDARD DECK PANEL 8'-0" WIDE
- 4B SPAN 4 STANDARD DECK PANEL 7'-6" WIDE
- 4C SPAN 4 STANDARD DECK PANEL 6'-0" WIDE
- 4D SPAN 4 END DECK PANEL 6'-0" WIDE
- 4E SPAN 4 END DECK PANEL 8'-0" WIDE
- 4F SPAN 4 END DECK PANEL 7'-6" WIDE
- 4G SPAN 4 END DECK PANEL 7'-0" WIDE
- 4H SPAN 4 END DECK PANEL 8'-0" WIDE
- 4J SPAN 4 SPECIAL DECK PANEL 8'-0" WIDE
- 4K SPAN 4 SPECIAL DECK PANEL 8'-0" WIDE
- 4L SPAN 4 SPECIAL DECK PANEL 8'-0" WIDE

NOTES:

1. SEE DWG B27-SND100 FOR PRECAST PANEL SCHEDULE.
2. SEE DWG B27-SND101, B27-SND102, OR B27-SND102a FOR PRECAST PANEL DETAILS.

SIP DECK PANEL LAYOUT - SPAN 4

SCALE: 1/8" = 1'-0"

DECK PANEL DRAIN PENETRATION LOCATIONS

PANEL	'X'	'Y'	θ	PANEL	'X'	'Y'	θ	PANEL	'X'	'Y'	θ
4A-004	7'-0 3/8"	1'-0"	-	4A-039	1'-0 1/8"	3'-8 1/2"	-	4A-092	4'-3 7/8"	3'-1 1/4"	-
4A-005	2'-8 7/8"	1'-3 7/8"	-					4A-093	4'-6"	3'-9"	-
4A-007	4'-10 1/8"	1'-3 3/4"	-	4F-044	4'-6 7/8"	3'-4 5/8"	-	4A-095	3'-6"	4'-3 3/8"	-
4A-009	3'-4 1/2"	1'-3 7/8"	-	4A-051	3'-1 5/8"	3'-6 1/8"	-	4A-095	5'-10 1/8"	4'-2 5/8"	-
4A-009	6'-11 3/4"	1'-3 3/4"	-	4A-055	2'-6 7/8"	3'-6 3/8"	-	4L-097	3'-5 1/2"	3'-7 1/4"	-
4A-010	3'-6 5/8"	2'-4 1/2"	14.85°	4D-063	3'-9 7/8"	2'-2 1/4"	-	4L-097	4'-6 1/4"	3'-10 7/8"	-
4J-014	2'-11 3/4"	11 3/8"	-	4G-083	4'-7 1/2"	3'-10 1/2"	-	4L-097	6'-11 7/8"	1'-5 5/8"	5.88°
4J-014	4'-3 1/2"	1'-2 3/8"	-	4A-085	7'-0 7/8"	4'-3 1/8"	-	4A-098	5'-10 1/8"	2'-9 3/8"	-
4A-015	3'-2 3/4"	11 3/8"	-	4A-086	5'-0 1/2"	2'-2 3/8"	3.23°	4D-100	3'-10 1/4"	3'-5 3/4"	-
4K-019	1'-10 1/8"	10 7/8"	-	4A-087	2'-9"	3'-9 1/8"	-				
4K-019	5'-9 7/8"	10 5/8"	-	4A-087	7'-0 1/2"	3'-0 1/2"	-				
4K-019	7'-0 1/4"	3'-0"	0.00°	4A-088	6'-7 3/4"	2'-8 1/2"	-				
4A-020	2'-1 1/4"	10 7/8"	-	4A-090	4'-10 7/8"	2'-8 5/8"	-				
4A-037	7'-0"	3'-8"	-	4A-092	10 1/2"	2'-9"	-				

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENA K. SVOBODA — STATE OF WASHINGTON — 21801 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
4	01/22/21	SJD	KF	SJD	NDC-000052 - REVISED PENETRATION LOCATIONS
3	09/28/20	SJD	KF	SJD	NDC-000027 - CIP DECK PENETRATION LOCATIONS
2	08/12/20	SJD	KF	SJD	NDC-000035 - ADDED DIMS FOR CIP DECK REGIONS
1	05/13/20	SJD	KF	SJD	NDC-000016 - FINAL SIP PANEL DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

AARON J. DESPRADEL — STATE OF WASHINGTON — 21801 — REGISTERED PROFESSIONAL ENGINEER
1/22/21 — 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19

LINE IS 1" AT FULL SCALE

SCALE: 1/8" = 1'-0"
FILENAME: 095-B27-SNP103

SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UNIT 2 - SIP DECK PANEL LAYOUT SPAN 4

DRAWING No.: B27-SNP103
FACILITY ID: B27
SHEET No.: 95
REV: 4

RECORD DRAWING #23-2216

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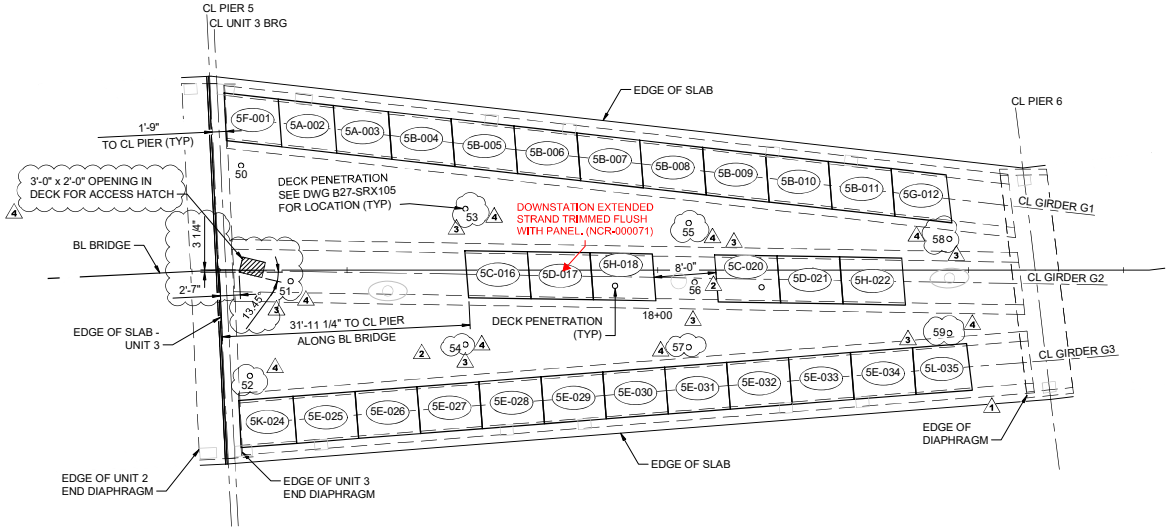

SIP DECK PANEL LAYOUT - SPAN 5

SCALE: 1/8" = 1'-0"

LEGEND:

(5) ALL PANELS ARE TRAPEZOIDAL OR END DECK PANELS

DECK PANEL DRAIN PENETRATION LOCATIONS

PANEL	'X'	'Y'	θ
5H-018	3'-4"	4'-2 3/8"	-
5C-020	6'-1 1/2"	4'-0 7/8"	-

NOTES:

1. SEE DWG B27-SND100 FOR PRECAST PANEL SCHEDULE.
2. SEE DWG B27-SND101 OR B27-SND102 FOR PRECAST PANEL DETAILS.

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017791 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
4	01/29/21	SJD	KF	SJD	NDC-000052 - REVISED PENETRATION LOCATIONS
3	09/28/20	SJD	KF	SJD	NDC-000027 - CIP DECK PENETRATION LOCATIONS
2	08/12/20	SJD	KF	SJD	NDC-000035 - ADDED DIMS FOR CIP DECK REGIONS
1	05/13/20	SJD	KF	SJD	NDC-000016 - FINAL SIP PANEL DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

AARON J. DESPRADEL — STATE OF WASHINGTON — 22011 — REGISTERED PROFESSIONAL ENGINEER
1/29/21 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/8" = 1'-0"
FILENAME: 096-B27-SNP104

RTS PEDESTRIAN BRIDGE

UNIT 3 - SIP DECK PANEL LAYOUT
SPAN 5

DRAWING No.: **B27-SNP104**
FACILITY ID: B27
SHEET No.: 96
REV.: 4

RECORD DRAWING #23-2217

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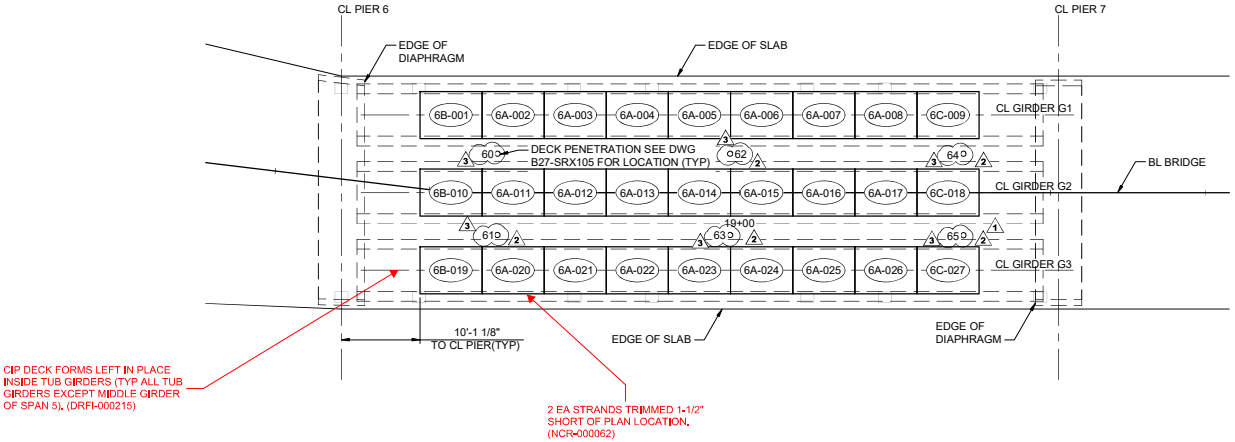

SIP DECK PANEL LAYOUT - SPAN 6

SCALE: 1/8" = 1'-0"

LEGEND:

- (6A) SPAN 6 STANDARD DECK PANEL 8'-0" WIDE
- (6B) SPAN 6 END DECK PANEL 8'-0" WIDE
- (6C) SPAN 6 END DECK PANEL 8'-0" WIDE

NOTES:

1. SEE DWG B27-SND100 FOR PRECAST PANEL SCHEDULE.
2. SEE DWG B27-SND101 FOR PRECAST PANEL DETAILS.

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017791 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
3	01/29/21	SJD	KF	SJD	NDC-000052 - REVISED PENETRATION LOCATIONS
2	09/28/20	SJD	KF	SJD	NDC-000027 - CIP DECK PENETRATION LOCATIONS
1	08/12/20	SJD	KF	SJD	NDC-000035 - MADE PANEL NAMES VISIBLE
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

SHANE J. DESPRADEL — STATE OF WASHINGTON — 23017791 — REGISTERED PROFESSIONAL ENGINEER — 1/29/21 — EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/8" = 1'-0"
FILENAME: 097-B27-SNP105

CityofRedmond

RTS PEDESTRIAN BRIDGE

UNIT 3 - SIP DECK PANEL LAYOUT
SPAN 6

DRAWING No.: B27-SNP105
FACILITY ID: B27
SHEET No.: 97
REV.: 3

RECORD DRAWING #23-2218

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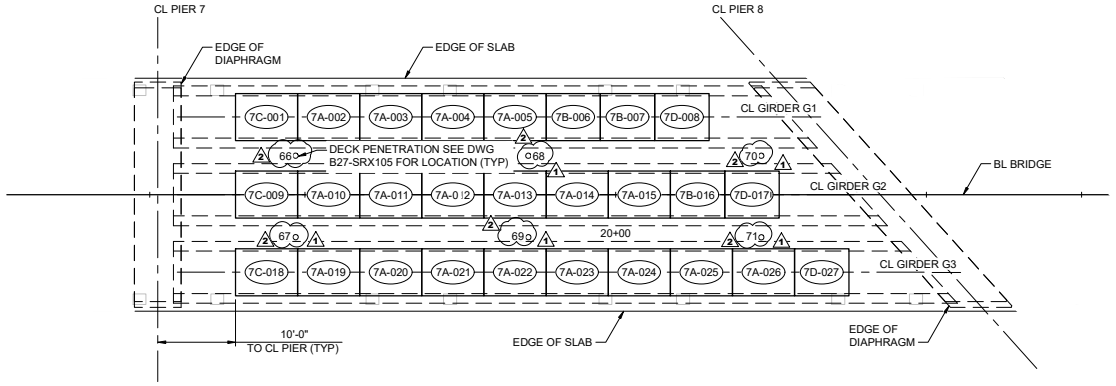

SIP DECK PANEL LAYOUT - SPAN 7

SCALE: 1/8" = 1'-0"

LEGEND:

- (7A) SPAN 7 STANDARD DECK PANEL 8'-0" WIDE
- (7B) SPAN 7 STANDARD DECK PANEL 7'-0" WIDE
- (7C) SPAN 7 END DECK PANEL 8'-0" WIDE
- (7D) SPAN 7 END DECK PANEL 7'-0" WIDE

NOTES:

1. SEE DWG B27-SND100 FOR PRECAST PANEL SCHEDULE.
2. SEE DWG B27-SND101 FOR PRECAST PANEL DETAILS.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	01/29/21	SJD	KF	SJD	NDC-000052 - REVISED PENETRATION LOCATIONS
1	09/28/20	SJD	KF	SJD	NDC-000027 - CIP DECK PENETRATION LOCATIONS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

STATE OF WASHINGTON — STEPHEN J. DESPRADEL — 21009 — REGISTERED PROFESSIONAL ENGINEER
1/29/21 EXP: 3/15/21

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: 1/8" = 1'-0"
FILENAME: 098-B27-SNP106

RTS PEDESTRIAN BRIDGE

UNIT 3 - SIP DECK PANEL LAYOUT
SPAN 7

DRAWING No.: **B27-SNP106**
FACILITY ID: B27
SHEET No.: 98
REV: 2

RECORD DRAWING #23-2219

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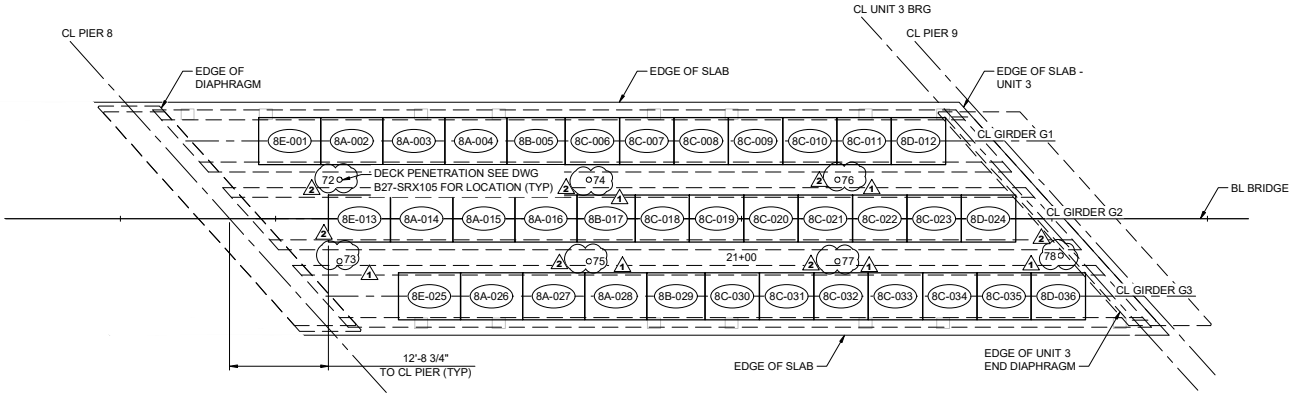

SIP DECK PANEL LAYOUT - SPAN 8

SCALE: 1/8" = 1'-0"

LEGEND:

- 8A — SPAN 8 STANDARD DECK PANEL 8'-0" WIDE
- 8B — SPAN 8 STANDARD DECK PANEL 7'-6" WIDE
- 8C — SPAN 8 STANDARD DECK PANEL 7'-0" WIDE
- 8D — SPAN 8 END DECK PANEL 7'-0" WIDE
- 8E — SPAN 8 END DECK PANEL 8'-0" WIDE

NOTES:

1. SEE DWG B27-SND100 FOR PRECAST PANEL SCHEDULE.
2. SEE DWG B27-SND101 OR B27-SND102 FOR PRECAST PANEL DETAILS.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	01/29/21	SJD	KF	SJD	NDC-000052 - REVISED PENETRATION LOCATIONS
1	09/28/20	SJD	KF	SJD	NDC-000027 - CIP DECK PENETRATION LOCATIONS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

STATE OF WASHINGTON — STEVEN J. DESPRADEL — 24980 — REGISTERED PROFESSIONAL ENGINEER
1/29/21 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/8" = 1'-0"
FILENAME: 099-B27-SNP107

RTS PEDESTRIAN BRIDGE

UNIT 3 - SIP DECK PANEL LAYOUT
SPAN 8

DRAWING No.: **B27-SNP107**
FACILITY ID: B27
SHEET No.: 99 REV: 2

RECORD DRAWING #23-2220

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TRAPEZOIDAL PRECAST DECK PANEL SCHEDULE

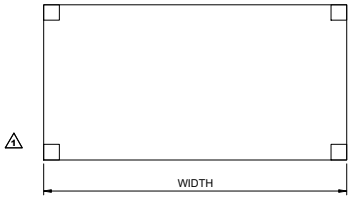
SPAN	PANEL	TOTAL No. PANELS	WIDTH [FT]	DOWNSTATION LENGTH [FT]	UPSTATION LENGTH [FT]	θ [DEG]	β [DEG]	α [DEG]	φ [DEG]	No. OF PRETENSIONING STRANDS	STRAND NOMINAL SPA [IN]	MAX SPACING OF #5 BARS [IN]
1	1A	7	8.00	6.19	6.19	94.36	85.64	94.36	85.64	8	12.86	6.00
	1B	4	7.00	6.19	6.19	94.36	85.64	94.36	85.64	7	13.00	6.00
	1C	7	8.00	6.18	6.18	90.00	90.00	90.00	90.00	8	12.86	6.00
	1D	4	7.00	6.18	6.18	90.00	90.00	90.00	90.00	7	13.00	6.00
	1E	10	8.00	6.19	6.19	85.87	94.13	85.87	94.13	8	12.86	6.00
	1F	1	7.00	6.19	6.19	85.87	94.13	85.87	94.13	7	13.00	6.00
5	5A	2	7.00	6.16	6.16	79.05	100.95	79.05	100.95	7	13.00	6.00
	5B	8	8.00	6.16	6.16	79.05	100.95	79.05	100.95	8	12.86	6.00
	5D	2	8.00	6.08	6.08	84.55	95.45	84.55	95.45	10	10.00	6.00
	5E	10	8.00	6.05	6.05	90.00	90.00	90.00	90.00	8	12.86	6.00

END PRECAST DECK PANEL SCHEDULE

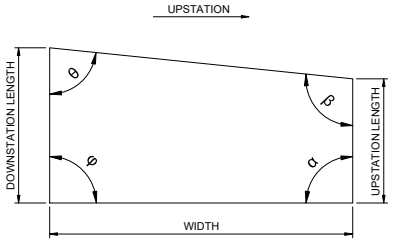
SPAN	PANEL	TOTAL No. PANELS	WIDTH [FT]	DOWNSTATION LENGTH [FT]	UPSTATION LENGTH [FT]	θ [DEG]	β [DEG]	α [DEG]	φ [DEG]	No. OF PRETENSIONING STRANDS (SEE NOTE 5)	STRAND NOMINAL SPA [IN]	MAX SPACING OF #5 BARS [IN]	LOCATION OF END REINFORCEMENT EXTENSIONS
1	1G	1	6.83	6.22	6.19	96.48	85.64	94.36	83.52	7	12.66	6.00	DS
	1H	1	5.39	6.19	6.19	94.36	93.88	86.10	85.66	6	11.74	6.00	US
	1J	1	8.00	6.18	6.18	92.13	90.00	90.00	87.87	8	12.86	6.00	DS
	1K	1	6.79	6.18	6.24	90.00	98.24	81.76	90.00	7	12.58	6.00	US
	1L	1	6.83	6.18	6.19	88.00	94.13	85.87	92.00	7	12.66	6.00	DS
	1M	1	7.89	6.19	6.32	85.87	102.37	77.63	94.13	8	12.67	6.00	US
	1N	1	7.00	6.19	6.19	94.36	85.64	94.36	85.64	7	13.00	6.00	US
	1P	1	7.00	6.19	6.19	94.36	85.64	94.36	85.64	7	13.00	6.00	DS
	1Q	1	7.00	6.18	6.18	90.00	90.00	90.00	90.00	7	13.00	6.00	US
	1R	1	7.00	6.18	6.18	90.00	90.00	90.00	90.00	7	13.00	6.00	DS
	1S	1	7.00	6.19	6.19	85.87	94.13	85.87	94.13	7	13.00	6.00	US
	1T	1	7.00	6.19	6.19	85.87	94.13	85.87	94.13	7	13.00	6.00	DS
2	2D	3	6.00	5.25	5.25	90.00	90.00	90.00	90.00	8	9.43	6.00	DS
	2E	6	8.00	5.25	5.25	90.00	90.00	90.00	90.00	10	10.00	6.00	US
	2F	3	7.00	5.25	5.25	90.00	90.00	90.00	90.00	9	9.75	6.00	US
	2G	2	6.50	5.25	5.25	90.00	90.00	90.00	90.00	9	9.00	6.00	DS
	2H	4	8.00	5.25	5.25	90.00	90.00	90.00	90.00	10	10.00	6.00	DS
3	3D	11	8.00	5.25	5.25	90.00	90.00	90.00	90.00	10	10.00	6.00	DS
	3E	1	7.50	5.25	5.25	90.00	90.00	90.00	90.00	10	9.33	6.00	US
	3F	4	7.00	5.25	5.25	90.00	90.00	90.00	90.00	9	9.75	6.00	US
	3G	6	8.00	5.25	5.25	90.00	90.00	90.00	90.00	10	10.00	6.00	US
4	4D	5	6.00	5.25	5.25	90.00	90.00	90.00	90.00	8	9.43	6.00	US
	4E	5	8.00	5.25	5.25	90.00	90.00	90.00	90.00	10	10.00	6.00	DS
	4F	2	7.50	5.25	5.25	90.00	90.00	90.00	90.00	10	9.33	6.00	DS
	4G	1	7.00	5.25	5.25	90.00	90.00	90.00	90.00	9	9.75	6.00	DS
	4H	6	8.00	5.25	5.25	90.00	90.00	90.00	90.00	10	10.00	6.00	US
5	5C	2	8.00	6.08	6.08	84.55	95.45	84.55	95.45	10	10.00	6.00	DS
	5F	1	7.06	6.13	6.16	80.79	100.95	79.05	99.21	7	13.12	6.00	DS
	5G	1	7.26	6.16	6.22	79.05	103.35	76.65	100.95	8	11.59	6.00	US
	5H	2	8.00	6.08	6.08	84.55	95.45	84.55	95.45	10	10.00	6.00	US
	5K	1	7.18	6.05	6.05	91.74	90.00	90.00	88.26	7	13.36	6.00	DS
	5L	1	7.25	6.05	6.05	90.00	92.40	87.60	90.00	7	11.57	6.00	US
6	6B	3	8.00	6.05	6.05	90.00	90.00	90.00	90.00	8	12.86	6.00	DS
	6C	3	8.00	6.05	6.05	90.00	90.00	90.00	90.00	8	12.86	6.00	US
7	7C	3	8.00	6.05	6.05	90.00	90.00	90.00	90.00	8	12.86	6.00	DS
	7D	3	7.00	6.05	6.05	90.00	90.00	90.00	90.00	7	13.00	6.00	US
8	8D	3	7.00	6.05	6.05	90.00	90.00	90.00	90.00	7	13.00	6.00	US
	8E	3	8.00	6.05	6.05	90.00	90.00	90.00	90.00	8	12.86	6.00	DS

NOTES:

1. SEE DWG B27-SND101 FOR STANDARD PRECAST PANEL GENERAL LAYOUT AND SCHEMATIC.
2. SEE DWG B27-SND102 FOR TRAPEZOIDAL PRECAST PANEL GENERAL LAYOUT AND SCHEMATIC.
3. SEE DWG B27-SND102 FOR END PRECAST PANEL GENERAL LAYOUT AND SCHEMATIC.
4. SEE DWGS B27-SNP101, B27-SNP102, B27-SNP103 & B27-SNP104 FOR DRAIN LOCATIONS.
5. FOR SPANS 2 THROUGH 5, A MAXIMUM OF 2 PRETENSIONING STRANDS MAY BE REMOVED FROM A PANEL WHEN IN CONFLICT WITH A DRAIN SLEEVE OR CATCH BASIN BLOCKOUT. 2J, 2K, 3H, 3J, 4J, 4K, AND 4L PANELS ARE SPECIAL PANELS REQUIRING UNIQUE DETAILING. SEE DWG B27-SND102a FOR SPECIAL PANEL DETAILS.



STANDARD PANEL



TRAPEZOIDAL OR END PANEL

PANEL TYPE SCHEMATICS

STANDARD PRECAST DECK PANEL SCHEDULE

SPAN	PANEL	TOTAL No. PANELS	WIDTH [FT]	No. OF PRETENSIONING STRANDS (SEE NOTE 5)	NOMINAL STRAND SPA [IN]	MAX SPACING OF #5 BARS [IN]
2	2A	70	8.00	10	10.00	6.00
	2B	3	7.50	10	9.33	6.00
	2C	5	7.00	9	9.75	6.00
	2J	1	8.00	10	10.00	6.00
	2K	1	8.00	10	10.00	6.00
3	3A	57	8.00	10	10.00	6.00
	3B	2	7.50	10	9.33	6.00
	3C	5	7.00	9	9.75	6.00
	3H	1	8.00	10	10.00	6.00
	3J	1	8.00	10	10.00	6.00
4	4A	61	8.00	10	10.00	6.00
	4B	2	7.50	10	9.33	6.00
	4C	2	6.00	8	9.43	6.00
	4J	1	8.00	10	10.00	6.00
	4K	1	8.00	10	10.00	6.00
	4L	1	8.00	10	10.00	6.00
6	6A	21	8.00	8	12.86	6.00
7	7A	18	8.00	8	12.86	6.00
	7B	3	7.00	7	13.00	6.00
8	8A	9	8.00	8	12.86	6.00
	8B	3	7.50	8	12.00	6.00
	8C	18	7.00	7	13.00	6.00

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	08/12/20	SJD	KF	SJD	NDC-000035 - REMOVE PANEL AT STAND ALONE
1	05/13/20	SJD	KF	SJD	NDC-000016 FINAL SIP PANEL DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
8/12/2020 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19
Kiewit
REVIEWED BY: T. KRAUPA | DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: NTS
FILENAME: 100-B27-SND100

SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

DECK SIP PRECAST PANEL DETAILS
SHEET 1 OF 8 (2)

DRAWING No.: B27-SND100
FACILITY ID: B27
SHEET No.: 100
REV: 2

RECORD DRAWING #23-2221

08/12/20 | 9:31 AM | ALYSSA.SOLIZ
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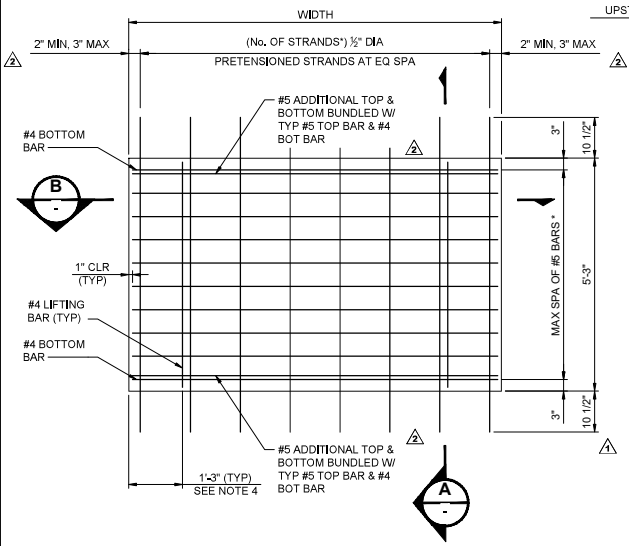
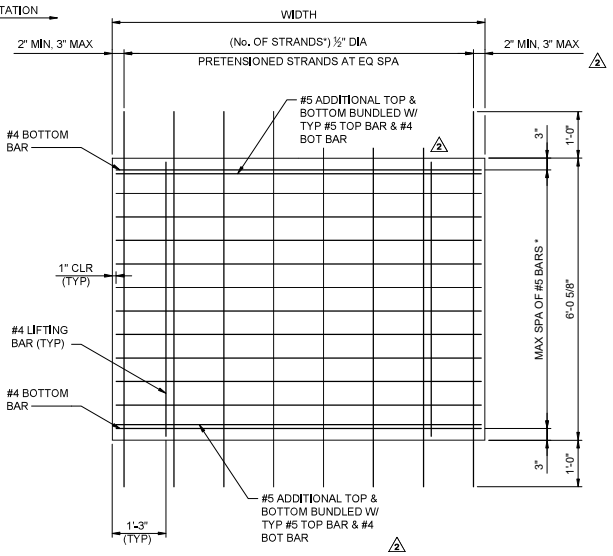


PLAN - SIP STANDARD PANELS 2A-C, 3A-C, 4A-C

NTS

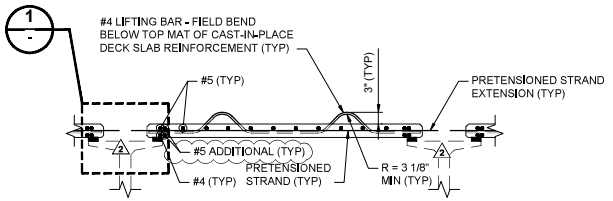
*SEE TABLE ON DWG B27-SND100 FOR PANEL WIDTHS, No. OF REQUIRED PRETENSIONED STRANDS, AND MAX SPACING OF #5 BARS.



PLAN - SIP STANDARD PANELS 6A, 7A-B, 8A-C

NTS

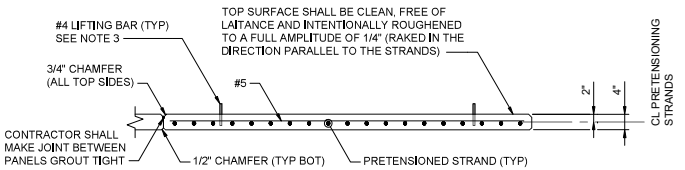
*SEE TABLE ON DWG B27-SND100 FOR PANEL WIDTHS, No. OF REQUIRED PRETENSIONED STRANDS, AND MAX SPACING OF #5 BARS.



SECTION A

NTS

DIMENSIONS SHOWN ARE NORMAL TO CL GIRDER

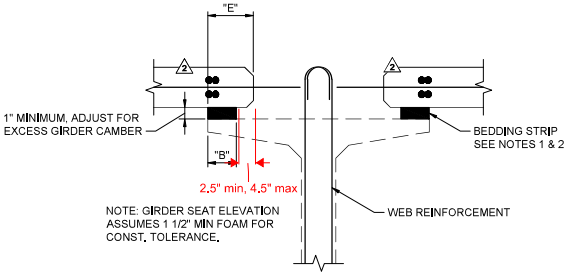


SECTION B

NTS

NOTES:

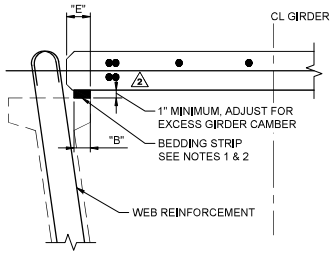
1. BEDDING STRIP SHALL BE MEDIUM-DENSITY EXTRUDED POLYSTYRENE WITH A MINIMUM OF 21.6 PSI COMPRESSION RESISTANCE AT 5% COMPRESSION DEFORMATION.
2. WHEN FOAM HEIGHT EXCEEDS A MAXIMUM H/B RATIO OF 2, PANELS SHALL BE TIED OFF FOR STABILITY. SEE GIRDER SCHEDULE FOR CAMBER.
3. THE CONTRACTOR MAY SUBMIT FOR APPROVAL ALTERNATE LIFT POINT LOCATIONS, LIFTING EMBEDMENTS AND DEVICES IN ACCORDANCE WITH SPECIFICATION. LIFT POINT LOCATIONS AND LIFTING EMBEDMENTS AND DEVICES SHALL BE SHOWN ON THE SHOP PLANS SUBMITTED FOR APPROVAL. DESIGN CALCULATIONS SHALL BE SUBMITTED WITH THE SHOP PLANS.
4. TYPICAL PLACEMENT OF #4 LIFTING BAR IS 1'-3" FROM THE PANEL END. LIFTING BAR MAY BE PLACED BETWEEN 0'-9" MIN AND 2'-0" MAX FROM THE PANEL END TO AVOID DECK PENETRATIONS. LIFTING BARS MUST BE PLACED SYMMETRICALLY ABOUT THE PANEL'S CENTER OF MASS.



DETAIL 1

NTS

WF100PTG GIRDER SHOWN



DETAIL 2

NTS

UF ~~WF~~54G6 & UF60G6 GIRDER SHOWN

MIN CONC COMP STRENGTH		STRANDS			
@ 28 DAYS F'C (KSI)	@ RELEASE F'CI (KSI)	DIAMETER (IN)	AREA (IN²)	JACKING FORCE PER STRAND (KIPS)	GUTS (%)
6.0	4.0	1/2"	0.153	29.4	71

LIMITED TO AS-BUILT INFORMATION ONLY:

PANEL BEARING DIMENSIONS		
GIRDER SERIES	"E"	"B"
WF100PTG	6 1/2" ±1"	3"
UF ~~WF~~54G6 & UF60G6	3 1/2" ±1/2"	2"

2" WIDE FOAM USED AT PANELS 3A-006 AND 3A-015 TO ACHIEVE 2.5" OVERHANG. (DRFI-000259)

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
3	08/12/20	SJD	KF	SJD	NDC-000035 - REVISED SHEET NAME
2	07/07/20	SJD	KF	SJD	NDC-000022 - REVISIONS FOR PRESTRESSING FORCES
1	05/13/20	SJD	KF	SJD	NDC-000016 - FINAL SIP PANEL DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

8/12/2020 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: NTS
FILENAME: 101-B27-SND101

RTS PEDESTRIAN BRIDGE

DECK SIP PRECAST PANEL DETAILS
SHEET 2 OF 8

DRAWING No.: B27-SND101
FACILITY ID: B27
SHEET No.: 101 REV: 3

RECORD DRAWING #23-2222

08/11/20 | 8:18 PM | ALYSSA.SOLIZ
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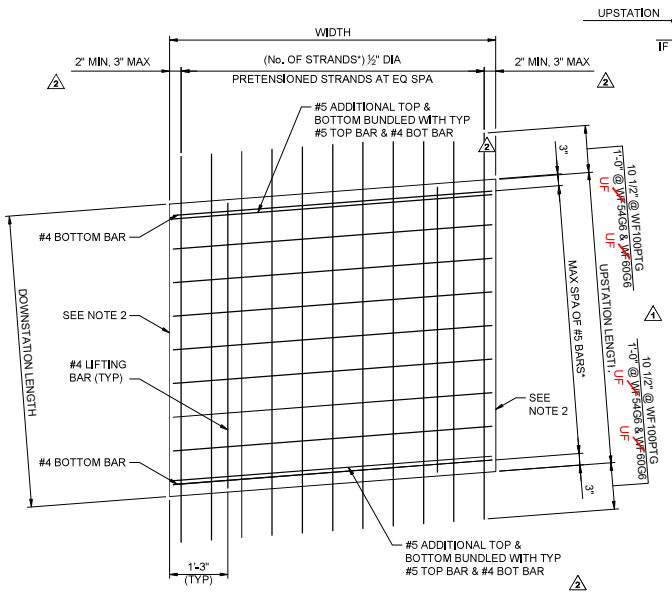
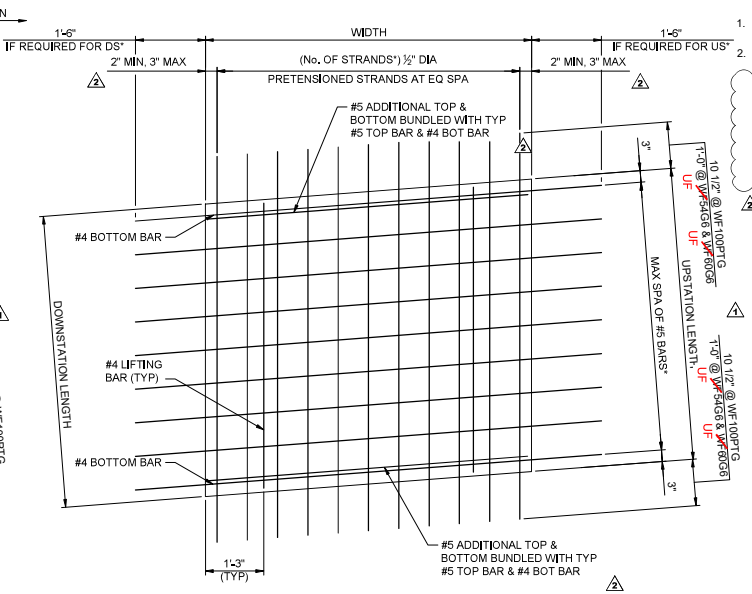


PLAN - SIP TRAPEZOIDAL PANELS (TYP)

NTS

*SEE TABLE ON DWG B27-SND100 FOR PANEL WIDTHS, LENGTHS, No. OF REQUIRED PRETENSIONED STRANDS AND MAX SPACING OF #5 BARS.



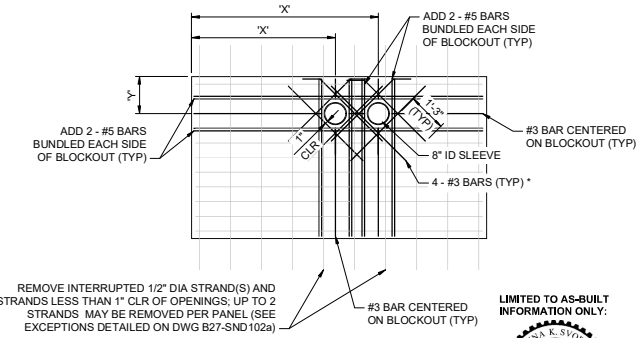
PLAN - SIP END PANELS (TYP)

NTS

*SEE TABLE ON DWG B27-SND100 FOR PANEL WIDTHS, LENGTHS, No. OF REQUIRED PRETENSIONED STRANDS, MAX SPACING OF #5 BARS AND LOCATION OF REQUIRED REINFORCEMENT EXTENSION.

NOTES:

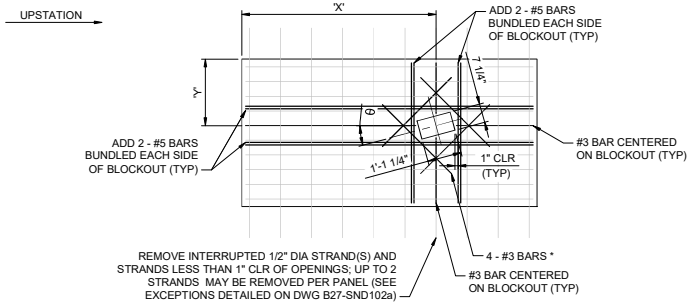
1. SEE DWG B27-SND101 FOR ADDITIONAL NOTES AND DETAILS.
2. THIS PANEL FACE CAN BE SAWCUT RATHER THAN CUSTOM FORMED.



TYPICAL PANEL WITH DRAIN

NTS

*BEND REINFORCEMENT AS NECESSARY AT JOINTS OR OTHER OBSTRUCTIONS.



TYPICAL PANEL WITH SLOT DRAIN CATCH BASIN

NTS

*BEND REINFORCEMENT AS NECESSARY AT JOINTS OR OTHER OBSTRUCTIONS.

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
3	08/12/20	SJD	KF	SJD	NDC-000035 - FINAL HANGER INSERT DETAILS
2	07/07/20	SJD	KF	SJD	NDC-000022 - REVISIONS FOR PRESTRESSING FORCES
1	05/13/20	SJD	KF	SJD	NDC-000016 - FINAL SIP PANEL DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JARED J. DESPRADEL — STATE OF WASHINGTON — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
8/12/2020 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: NTS
FILENAME: 102-B27-SND102

RTS PEDESTRIAN BRIDGE

DECK SIP PRECAST PANEL DETAILS
SHEET 3 OF 8

DRAWING No.: **B27-SND102**
FACILITY ID: B27
SHEET No.: 102
REV.: 3

RECORD DRAWING #23-2223

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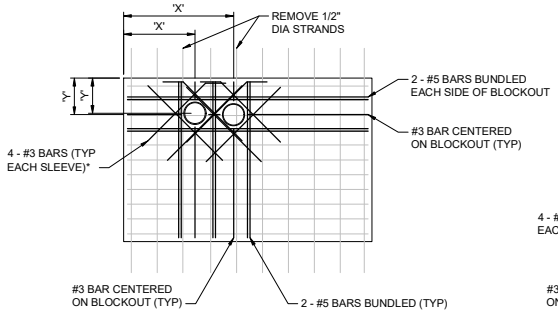
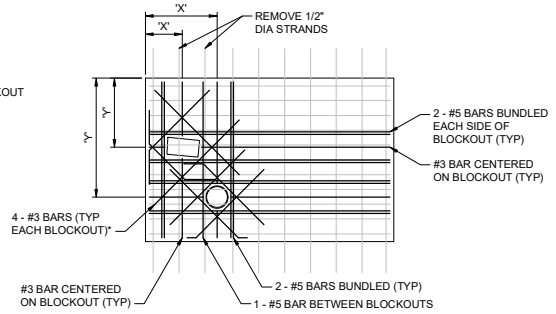


PANEL 2J-002

NTS

*BEND REINFORCEMENT AS NECESSARY AT JOINTS OR OTHER OBSTRUCTIONS.



PANEL 2K-087

NTS

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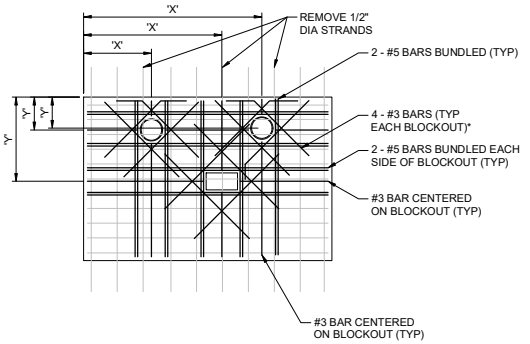
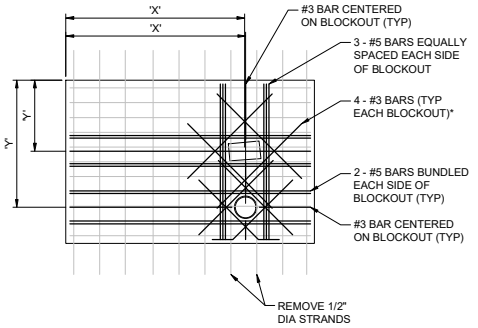


PANEL 3H-015

NTS

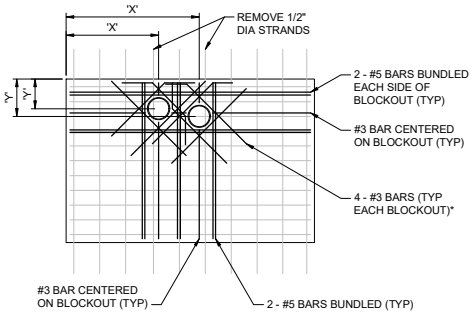
*BEND REINFORCEMENT AS NECESSARY AT JOINTS OR OTHER OBSTRUCTIONS.



PANEL 3J-089

NTS

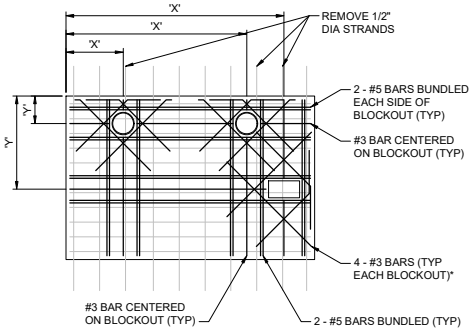
*BEND REINFORCEMENT AS NECESSARY AT JOINTS OR OTHER OBSTRUCTIONS.



PANEL 4J-014

NTS

*BEND REINFORCEMENT AS NECESSARY AT JOINTS OR OTHER OBSTRUCTIONS.



PANEL 4K-019

NTS

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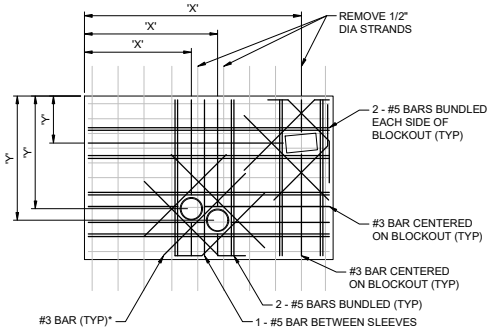

PANEL 4L-097

NTS

*BEND REINFORCEMENT AS NECESSARY AT JOINTS OR OTHER OBSTRUCTIONS.

NEW SHEET

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	08/12/20	SJD	KF	SJD	NDC-000035 - REVISED SHEET NAME
0	05/13/20	SJD	KF	SJD	NDC-000016 - FINAL SIP PANEL DESIGN

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

STATE OF WASHINGTON — STEPHEN J. DESPRADEL — 21611 — REGISTERED PROFESSIONAL ENGINEER
8/12/2020 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: NTS
FILENAME: 102A-B27-SND102A

CityofRedmond

RTS PEDESTRIAN BRIDGE

DECK SIP PRECAST PANEL DETAILS
SHEET 4 OF 8

DRAWING No.: **B27-SND102a**
FACILITY ID: B27
SHEET No.: 102a
REV: 1

RECORD DRAWING #23-2224

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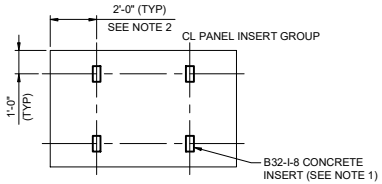
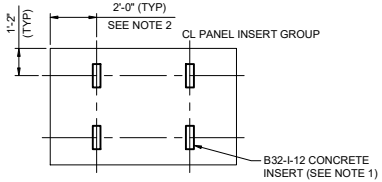


STANDARD LAYOUT 1
NTS



STANDARD LAYOUT 2
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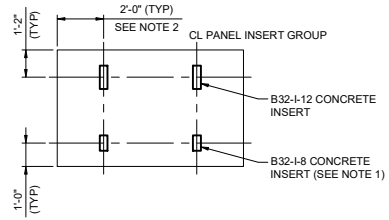

STANDARD LAYOUT 3
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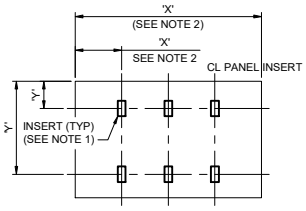

NON-STANDARD LAYOUT
NTS

UPSTATION

SPAN 2 SIP PANEL UTILITY HANGER INSERTS				
PANEL	INSERT No.	TYPE (SEE NOTE 1)	X	Y
2G-001	STANDARD LAYOUT 2			
2J-002	1	B32-I-12	0'-10 5/8"	1'-2"
	2	B32-I-12	6'-0"	1'-2"
	3	B32-I-12	0'-10 5/8"	4'-1"
	4	B32-I-12	6'-0"	4'-1"
2A-003	STANDARD LAYOUT 2			
2A-004	1	B32-I-12	0'-8 1/8"	1'-2"
	2	B32-I-12	6'-0"	1'-2"
	3	B32-I-12	0'-8 1/8"	4'-1"
	4	B32-I-12	6'-0"	4'-1"
	5	B32-I-12	3'-0 3/8"	1'-2"
	6	B32-I-12	3'-0 3/8"	4'-1"
2A-005	STANDARD LAYOUT 2			
2A-006	STANDARD LAYOUT 2			
2A-007	STANDARD LAYOUT 2			
2A-008	STANDARD LAYOUT 2			
2A-009	STANDARD LAYOUT 2			
2A-010	STANDARD LAYOUT 2			
2A-011	STANDARD LAYOUT 2			
2A-012	1	B32-I-12	1'-7 1/2"	1'-2"
	2	B32-I-12	6'-0"	1'-2"
	3	B32-I-12	1'-7 1/2"	4'-1"
	4	B32-I-12	6'-0"	4'-1"
2A-013	1	B32-I-12	2'-7 5/8"	1'-2"
	2	B32-I-12	6'-0"	1'-2"
	3	B32-I-12	2'-7 5/8"	4'-1"
	4	B32-I-12	6'-0"	4'-1"
2A-015	1	B32-I-12	2'-0"	1'-2"
	2	B32-I-12	6'-10 5/8"	1'-2"
	3	B32-I-12	2'-0"	4'-1"
	4	B32-I-12	6'-10 5/8"	4'-1"
2A-016	STANDARD LAYOUT 2			
2A-017	1	B32-I-12	1'-2 1/2"	1'-2"
	2	B32-I-12	6'-0"	1'-2"
	3	B32-I-12	1'-2 1/2"	4'-1"
	4	B32-I-12	6'-0"	4'-1"
2A-018	1	B32-I-12	2'-0"	1'-2"
	2	B32-I-12	7'-2 3/8"	1'-2"
	3	B32-I-12	2'-0"	4'-1"
	4	B32-I-12	7'-2 3/8"	4'-1"
2A-019	1	B32-I-12	2'-9 7/8"	1'-2"
	2	B32-I-12	7'-5 1/4"	1'-2"
	3	B32-I-12	2'-9 7/8"	4'-1"
	4	B32-I-12	6'-0"	4'-1"
2A-020	1	B32-I-12	2'-5 1/8"	1'-2"
	2	B32-I-12	6'-11 1/8"	1'-2"
	3	B32-I-12	2'-5 1/8"	4'-1"
	4	B32-I-12	6'-11 1/8"	4'-1"
2E-021	1	B32-I-12	1'-0"	1'-2"
	2	B32-I-12	6'-0"	1'-2"
	3	B32-I-12	1'-0"	4'-1"
	4	B32-I-12	6'-0"	4'-1"

SPAN 2 SIP PANEL UTILITY HANGER INSERTS				
PANEL	INSERT No.	TYPE (SEE NOTE 1)	X	Y
2D-022	1	B32-I-8	0'-11"	1'-0"
	2	B32-I-8	4'-0"	1'-0"
	3	B32-I-8	0'-11"	4'-3"
	4	B32-I-8	4'-0"	4'-3"
2A-023	STANDARD LAYOUT 1			
2A-024	STANDARD LAYOUT 1			
2A-025	STANDARD LAYOUT 1			
2A-026	STANDARD LAYOUT 1			
2A-027	1	B32-I-8	6'-0"	1'-0"
	2	B32-I-12	1'-3 3/8"	3'-2 1/8"
	3	B32-I-8	6'-0"	3'-5 1/2"
2A-028	STANDARD LAYOUT 1			
2A-029	1	B32-I-8	2'-0"	1'-0"
	2	B32-I-8	5'-5 1/8"	1'-0"
	3	B32-I-8	2'-0"	4'-3"
	4	B32-I-8	5'-5 1/8"	4'-3"
2A-030	STANDARD LAYOUT 1			
2G-043	1	B32-I-8	1'-7 1/8"	1'-0"
	2	B32-I-8	4'-6"	1'-0"
	3	B32-I-8	1'-7 1/8"	4'-3"
	4	B32-I-8	4'-6"	4'-3"
2A-044	STANDARD LAYOUT 1			
2A-045	STANDARD LAYOUT 1			
2A-046	STANDARD LAYOUT 1			
2A-047	STANDARD LAYOUT 1			
2A-048	STANDARD LAYOUT 1			
2A-049	STANDARD LAYOUT 1			
2A-050	STANDARD LAYOUT 1			
2A-051	STANDARD LAYOUT 1			
2E-052	STANDARD LAYOUT 1			
2H-055	STANDARD LAYOUT 1			
2A-056	STANDARD LAYOUT 1			
2A-057	STANDARD LAYOUT 1			
2A-058	STANDARD LAYOUT 1			
2A-059	STANDARD LAYOUT 1			
2B-060	STANDARD LAYOUT 1			
2C-061	1	B32-I-12	0'-7 3/4"	3'-0 1/2"
	2	B32-I-12	6'-4 1/4"	3'-0 3/8"
2C-062	STANDARD LAYOUT 1			
2F-063	1	B32-I-8	1'-0 5/8"	1'-0"
	2	B32-I-8	5'-0"	1'-0"
	3	B32-I-8	1'-0 5/8"	4'-3"
	4	B32-I-8	5'-0"	4'-3"
2D-064	1	B32-I-12	1'-3 3/8"	1'-2"
	2	B32-I-12	4'-0"	1'-2"
	3	B32-I-8	1'-3 3/8"	4'-3"
	4	B32-I-8	4'-0"	4'-3"
2A-065	STANDARD LAYOUT 3			
2A-066	STANDARD LAYOUT 3			
2A-067	STANDARD LAYOUT 3			

SPAN 2 SIP PANEL UTILITY HANGER INSERTS				
PANEL	INSERT No.	TYPE (SEE NOTE 1)	X	Y
2A-068	1	B32-I-12	0'-6 3/4"	1'-2"
	2	B32-I-12	6'-0"	1'-2"
	3	B32-I-8	0'-6 3/4"	4'-3"
	4	B32-I-8	6'-0"	4'-3"
2A-069	STANDARD LAYOUT 3			
2A-070	STANDARD LAYOUT 3			
2A-071	STANDARD LAYOUT 3			
2E-072	STANDARD LAYOUT 3			
2H-074	STANDARD LAYOUT 3			
2A-075	STANDARD LAYOUT 3			
2A-076	STANDARD LAYOUT 3			
2A-077	STANDARD LAYOUT 3			
2A-078	STANDARD LAYOUT 3			
2B-079	STANDARD LAYOUT 3			
2C-080	STANDARD LAYOUT 3			
2C-081	1	B32-I-12	2'-0"	1'-2"
	2	B32-I-12	6'-5 1/4"	1'-2"
	3	B32-I-8	2'-0"	4'-3"
	4	B32-I-8	6'-5 1/4"	4'-3"
2C-082	1	B32-I-12	6'-5 1/4"	1'-3"
	2	B32-I-8	2'-0"	4'-3"
	3	B32-I-12	6'-5 1/4"	3'-6"
2F-083	STANDARD LAYOUT 3			
2D-085	STANDARD LAYOUT 1			
2A-086	1	B32-I-8	0'-9 3/8"	1'-0"
	2	B32-I-8	7'-5 1/4"	1'-0"
	3	B32-I-8	0'-9 3/8"	4'-3"
	4	B32-I-8	7'-5 1/4"	4'-3"
2K-087	1	B32-I-8	3'-4 1/8"	1'-0"
	2	B32-I-8	6'-0"	1'-0"
	3	B32-I-8	3'-4 1/8"	4'-3"
	4	B32-I-8	6'-0"	4'-3"
2A-088	STANDARD LAYOUT 1			
2A-089	STANDARD LAYOUT 1			
2A-090	1	B32-I-8	0'-6 3/4"	1'-0"
	2	B32-I-8	6'-0"	1'-0"
	3	B32-I-8	0'-6 3/4"	4'-3"
	4	B32-I-8	6'-0"	4'-3"
2A-091	1	B32-I-8	2'-0"	1'-0"
	2	B32-I-8	6'-9 1/2"	1'-0"
	3	B32-I-8	2'-0"	4'-3"
	4	B32-I-8	6'-9 1/2"	4'-3"
2A-092	STANDARD LAYOUT 1			
2A-093	STANDARD LAYOUT 1			
2A-094	1	B32-I-8	2'-0"	1'-0"
	2	B32-I-8	6'-9 1/2"	1'-0"
	3	B32-I-8	2'-0"	4'-3"
	4	B32-I-8	6'-9 1/2"	4'-3"

SPAN 2 SIP PANEL UTILITY HANGER INSERTS				
PANEL	INSERT No.	TYPE (SEE NOTE 1)	X	Y
2A-095	1	B32-I-8	2'-0"	1'-0"
	2	B32-I-8	6'-9 1/2"	1'-0"
	3	B32-I-8	2'-0"	4'-3"
	4	B32-I-8	6'-9 1/2"	4'-3"
2A-096	STANDARD LAYOUT 1			
2A-097	1	B32-I-8	2'-3"	1'-0"
	2	B32-I-8	6'-0"	1'-0"
	3	B32-I-8	2'-3"	4'-3"
	4	B32-I-8	6'-0"	4'-3"
2A-098	STANDARD LAYOUT 1			
2A-099	STANDARD LAYOUT 1			
2A-100	1	B32-I-8	0'-7 1/2"	1'-0"
	2	B32-I-8	7'-0"	1'-0"
	3	B32-I-8	0'-7 1/2"	4'-3"
	4	B32-I-8	7'-0"	4'-3"
2A-101	STANDARD LAYOUT 1			
2A-102	1	B32-I-8	2'-0"	1'-0"
	2	B32-I-8	7'-5 1/4"	1'-0"
	3	B32-I-8	2'-0"	4'-3"
	4	B32-I-12	5'-7 3/4"	3'-10 3/8"
2A-103	1	B32-I-8	3'-9 3/8"	1'-0"
	2	B32-I-8	6'-0"	1'-0"
	3	B32-I-8	3'-9 3/8"	4'-3"
	4	B32-I-8	6'-0"	4'-3"
2E-104	1	B32-I-8	2'-0"	1'-0"
	2	B32-I-8	4'-7 5/8"	1'-0"
	3	B32-I-8	2'-0"	4'-3"
	4	B32-I-8	4'-7 5/8"	4'-3"

NOTES:

1. COOPER B-LINE B32-I-8 OR B32-I-12 OR APPROVED EQUAL WITH SPRING NUT. CHASE THREADS ON HANGER ROD FOR THREAD COMPATIBILITY WITH SPRING NUT. INSERT TO BE INSTALLED LEVEL LONGITUDINAL AND TRANSVERSELY. HANGER RODS SHALL NOT BE WITHIN 2" OF THE END OF THE INSERT. FOR UTILITY PATHWAY AND UTILITY HANGER DETAILS SEE DWG B27-UCP100 THROUGH B27-UCD102.
2. ADJUST DISTANCE SO THAT CENTERLINE OF CONCRETE INSERTS ARE AT LEAST 6" AWAY FROM EDGE OF DRAINAGE BLOCK OUT. MINIMUM DISTANCE FROM EDGE OF PANEL TO CONCRETE INSERT IS 6". MAXIMUM SPACING BETWEEN INSERT GROUPS AND FACE OF DIAPHRAGMS OR FACE OF CLOSURE POUR IS 6'-0".

NEW SHEET

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
0	08/12/20	SJD	KF	SJD	NDC-000035 - REVISED HANGER INSERT DETAILS

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JARED J. DESPRADEL — STATE OF WASHINGTON — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
8/12/2020 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN

Kiewit
DATE: 11/04/19
REVIEWED BY: T. KRAUPA

LINE IS 1" AT FULL SCALE

CityofRedmond
DATE: 11/04/19

SCALE: NTS
FILENAME: 102B-B27-SND102B
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

DECK SIP PRECAST PANEL DETAILS
SHEET 5 OF 8

DRAWING No.: **B27-SND102b**
FACILITY ID: B27
SHEET No.: 102b
REV: 0

RECORD DRAWING #23-2225

08/12/20 | 1:52 PM | ALYSSA.SOLIZ
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XREF LIST:
rEMX-SBX-PB22c34.dwg
rEMX-SBX-SD2102.dwg

SPAN 3 SIP PANEL UTILITY HANGER INSERTS				
PANEL	INSERT No.	TYPE (SEE NOTE 1)	X	Y
3D-001	STANDARD LAYOUT 2			
3A-002	1	B32-I-12	2'-0"	1'-2"
	2	B32-I-12	6'-6 3/8"	1'-2"
	3	B32-I-12	2'-0"	4'-1"
	4	B32-I-12	6'-6 3/8"	4'-1"
3A-003	1	B32-I-12	2'-10"	1'-2"
	2	B32-I-12	6'-0"	1'-2"
	3	B32-I-12	2'-0"	4'-1"
	4	B32-I-12	6'-0"	4'-1"
3A-004	1	B32-I-12	2'-0"	1'-2"
	2	B32-I-12	6'-11 1/8"	1'-2"
	3	B32-I-12	2'-0"	4'-1"
	4	B32-I-12	6'-11 1/8"	4'-1"
3A-005	1	B32-I-12	2'-0"	1'-2"
	2	B32-I-12	6'-11 1/8"	1'-2"
	3	B32-I-12	2'-0"	4'-1"
	4	B32-I-12	6'-11 1/8"	4'-1"
3A-006	1	B32-I-12	2'-0"	1'-2"
	2	B32-I-12	5'-3 1/2"	1'-2"
	3	B32-I-12	2'-0"	4'-1"
	4	B32-I-12	5'-3 1/2"	4'-1"
3A-007	STANDARD LAYOUT 2			
3A-008	STANDARD LAYOUT 2			
3A-009	STANDARD LAYOUT 2			
3A-010	STANDARD LAYOUT 2			
3A-011	STANDARD LAYOUT 2			
3A-012	STANDARD LAYOUT 2			
3A-013	STANDARD LAYOUT 2			
3A-014	STANDARD LAYOUT 2			
3H-015	1	B32-I-12	1'-1 3/8"	1'-2"
	2	B32-I-12	6'-11 1/8"	1'-2"
	3	B32-I-12	1'-1 3/8"	4'-1"
	4	B32-I-12	6'-11 1/8"	4'-1"
	5	B32-I-12	3'-4 7/8"	1'-2"
	6	B32-I-12	3'-4 7/8"	4'-1"
3A-016	STANDARD LAYOUT 2			
3A-017	STANDARD LAYOUT 2			
3A-018	STANDARD LAYOUT 2			
3A-019	STANDARD LAYOUT 2			
3E-020	1	B32-I-12	2'-0"	1'-2"
	2	B32-I-12	6'-5 1/8"	1'-2"
	3	B32-I-12	2'-0"	4'-1"
	4	B32-I-12	6'-5 1/8"	4'-1"
3A-029	STANDARD LAYOUT 1			
3A-030	1	B32-I-8	3'-3 1/2"	1'-0"
	2	B32-I-8	6'-0"	1'-0"
	3	B32-I-8	3'-3 1/2"	4'-3"
	4	B32-I-8	6'-0"	4'-3"
3A-031	STANDARD LAYOUT 1			
3A-032	STANDARD LAYOUT 1			
3A-033	STANDARD LAYOUT 1			
3A-034	STANDARD LAYOUT 1			
3G-035	STANDARD LAYOUT 1			

SPAN 3 SIP PANEL UTILITY HANGER INSERTS				
PANEL	INSERT No.	TYPE (SEE NOTE 1)	X	Y
3D-038	1	B32-I-8	0'-6 3/4"	1'-0"
	2	B32-I-8	6'-0"	1'-0"
	3	B32-I-8	0'-6 3/4"	4'-3"
	4	B32-I-12	3'-7 1/8"	3'-10 1/2"
3B-039	STANDARD LAYOUT 1			
3F-040	STANDARD LAYOUT 1			
3G-044	1	B32-I-8	2'-0"	1'-0"
	2	B32-I-8	6'-11"	1'-0"
	3	B32-I-8	2'-0"	4'-3"
	4	B32-I-8	6'-11"	4'-3"
3D-047	STANDARD LAYOUT 1			
3A-048	STANDARD LAYOUT 1			
3A-049	STANDARD LAYOUT 1			
3A-050	STANDARD LAYOUT 1			
3A-051	STANDARD LAYOUT 1			
3A-052	STANDARD LAYOUT 1			
3A-053	STANDARD LAYOUT 1			
3G-054	STANDARD LAYOUT 1			
3D-057	STANDARD LAYOUT 1			
3A-058	1	B32-I-12	1'-10 5/8"	3'-3 1/8"
	2	B32-I-12	6'-8 7/8"	3'-3 1/8"
3C-059	STANDARD LAYOUT 1			
3F-060	STANDARD LAYOUT 1			
3D-061	STANDARD LAYOUT 1			
3A-062	STANDARD LAYOUT 1			
3G-063	STANDARD LAYOUT 1			
3D-066	STANDARD LAYOUT 1			
3A-067	STANDARD LAYOUT 1			
3A-068	STANDARD LAYOUT 1			
3A-069	STANDARD LAYOUT 1			
3A-070	STANDARD LAYOUT 1			
3A-071	STANDARD LAYOUT 1			
3A-072	STANDARD LAYOUT 1			
3G-073	STANDARD LAYOUT 1			
3D-076	STANDARD LAYOUT 1			
3A-077	1	B32-I-8	2'-0"	1'-0"
	2	B32-I-8	6'-11 5/8"	1'-0"
	3	B32-I-8	2'-0"	4'-3"
	4	B32-I-8	6'-11 5/8"	4'-3"
3C-078	1	B32-I-8	6'-3 1/8"	1'-0"
	2	B32-I-8	2'-0"	4'-3"
	3	B32-I-8	6'-3 1/8"	4'-3"
3C-079	STANDARD LAYOUT 1			
3F-080	STANDARD LAYOUT 1			
3D-081	1	B32-I-8	1'-1"	1'-0"
	2	B32-I-8	6'-0"	1'-0"
	3	B32-I-8	1'-1"	4'-3"
	4	B32-I-8	6'-0"	4'-3"
3A-082	STANDARD LAYOUT 1			
3A-083	STANDARD LAYOUT 1			

SPAN 3 SIP PANEL UTILITY HANGER INSERTS				
PANEL	INSERT No.	TYPE (SEE NOTE 1)	X	Y
3A-084	1	B32-I-8	1'-1"	1'-0"
	2	B32-I-8	6'-0"	1'-0"
	3	B32-I-8	1'-1"	4'-3"
	4	B32-I-8	6'-0"	4'-3"
3A-085	STANDARD LAYOUT 1			
3A-086	1	B32-I-8	1'-1"	1'-0"
	2	B32-I-8	6'-0"	1'-0"
	3	B32-I-8	1'-1"	4'-3"
	4	B32-I-8	6'-0"	4'-3"
3A-087	1	B32-I-8	1'-1"	1'-0"
	2	B32-I-8	6'-0"	1'-0"
	3	B32-I-8	1'-1"	4'-3"
	4	B32-I-8	6'-0"	4'-3"
3A-088	STANDARD LAYOUT 1			
3J-089	1	B32-I-8	2'-0"	1'-0"
	2	B32-I-8	6'-11"	1'-0"
	3	B32-I-8	2'-0"	4'-3"
	4	B32-I-8	6'-11"	4'-3"
3A-090	STANDARD LAYOUT 1			
3A-091	1	B32-I-8	1'-1"	1'-0"
	2	B32-I-8	6'-0"	1'-0"
	3	B32-I-8	1'-1"	4'-3"
	4	B32-I-8	6'-0"	4'-3"
3A-092	1	B32-I-8	1'-1"	1'-0"
	2	B32-I-8	6'-0"	1'-0"
	3	B32-I-8	1'-1"	4'-3"
	4	B32-I-8	6'-0"	4'-3"
3A-093	STANDARD LAYOUT 1			
3A-094	1	B32-I-8	2'-0"	1'-0"
	2	B32-I-8	7'-4 1/2"	1'-0"
	3	B32-I-8	2'-0"	4'-3"
	4	B32-I-8	7'-4 1/2"	4'-3"
3A-095	STANDARD LAYOUT 1			
3A-096	1	B32-I-8	1'-1"	1'-0"
	2	B32-I-8	5'-1"	1'-0"
	3	B32-I-8	1'-1"	4'-3"
	4	B32-I-8	5'-1"	4'-3"
3B-097	STANDARD LAYOUT 1			
3C-098	1	B32-I-8	5'-0"	1'-0"
	2	B32-I-8	2'-0"	4'-3"
	3	B32-I-8	5'-0"	3'-3"
3C-099	STANDARD LAYOUT 1			
3F-100	1	B32-I-8	2'-0"	1'-0"
	2	B32-I-8	6'-4 1/2"	1'-0"
	3	B32-I-8	2'-0"	4'-3"
	4	B32-I-8	6'-4 1/2"	4'-3"

NEW SHEET

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
0	08/12/20	SJD	KF	SJD	NDC-000035 - REVISED HANGER INSERT DETAILS

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

MARC J. DESPRADEL — STATE OF WASHINGTON — PROFESSIONAL ENGINEER
8/12/2020 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN

Kiewit
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON

SCALE: NTS
FILENAME: 102C-B27-SND102C

SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

DECK SIP PRECAST PANEL DETAILS
SHEET 6 OF 8

DRAWING No.: **B27-SND102c**
FACILITY ID: B27
SHEET No.: 102c
REV: 0

RECORD DRAWING #23-2226

08/11/20 | 9:10 PM | ALYSSA.SOLIZ
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SPAN 4 SIP PANEL UTILITY HANGER INSERTS				
PANEL	INSERT No.	TYPE (SEE NOTE 1)	X	Y
4E-001	1	B32-I-12	2'-6 3/4"	1'-2"
	2	B32-I-12	6'-0"	1'-2"
	3	B32-I-12	2'-6 3/4"	4'-1"
	4	B32-I-12	6'-0"	4'-1"
4A-002	STANDARD LAYOUT 2			
4A-003	1	B32-I-12	2'-6 1/8"	1'-2"
	2	B32-I-12	6'-0"	1'-2"
	3	B32-I-12	6'-0"	4'-1"
4A-004	STANDARD LAYOUT 2			
4A-005	1	B32-I-12	1'-4 3/4"	1'-2"
	2	B32-I-12	6'-0"	1'-2"
	3	B32-I-12	1'-4 3/4"	4'-1"
	4	B32-I-12	6'-0"	4'-1"
4A-006	STANDARD LAYOUT 2			
4A-007	STANDARD LAYOUT 2			
4A-008	STANDARD LAYOUT 2			
4A-009	STANDARD LAYOUT 2			
4A-010	1	B32-I-12	2'-0"	1'-2"
	2	B32-I-12	6'-7 1/8"	1'-2"
	3	B32-I-12	2'-0"	4'-1"
	4	B32-I-12	6'-7 1/8"	4'-1"
4A-011	STANDARD LAYOUT 2			
4A-012	STANDARD LAYOUT 2			
4A-013	STANDARD LAYOUT 2			
4J-014	1	B32-I-12	2'-0"	1'-2"
	2	B32-I-12	6'-7 1/8"	1'-2"
	3	B32-I-12	2'-0"	4'-1"
	4	B32-I-12	6'-7 1/8"	4'-1"
	5	B32-I-12	5'-2"	1'-2"
	6	B32-I-12	5'-2"	4'-1"
4A-015	STANDARD LAYOUT 2			
4A-016	1	B32-I-12	0'-9 3/4"	1'-2"
	2	B32-I-12	6'-0"	1'-2"
	3	B32-I-12	0'-9 3/4"	4'-1"
	4	B32-I-12	6'-0"	4'-1"
4A-017	STANDARD LAYOUT 2			
4A-018	STANDARD LAYOUT 2			
4K-019	1	B32-I-12	0'-9 3/4"	1'-2"
	2	B32-I-12	4'-3 3/8"	1'-2"
	3	B32-I-12	0'-9 3/4"	4'-1"
	4	B32-I-12	4'-3 3/8"	4'-1"
4A-020	1	B32-I-12	1'-1 3/8"	1'-2"
	2	B32-I-12	6'-0"	1'-2"
	3	B32-I-12	1'-1 3/8"	4'-1"
	4	B32-I-12	6'-0"	4'-1"
4C-021	STANDARD LAYOUT 2			
4D-022	STANDARD LAYOUT 2			
4A-037	STANDARD LAYOUT 1			
4A-038	1	B32-I-8	0'-6 3/4"	1'-0"
	2	B32-I-8	6'-0"	1'-0"
	3	B32-I-8	0'-6 3/4"	4'-3"
	4	B32-I-8	6'-0"	4'-3"

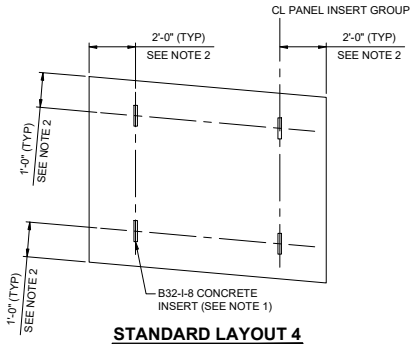
SPAN 4 SIP PANEL UTILITY HANGER INSERTS				
PANEL	INSERT No.	TYPE (SEE NOTE 1)	X	Y
4A-039	STANDARD LAYOUT 1			
4H-040	STANDARD LAYOUT 1			
4D-043	1	B32-I-8	2'-0"	1'-0"
	2	B32-I-8	5'-5 1/4"	1'-0"
	3	B32-I-8	2'-0"	4'-3"
	4	B32-I-8	5'-5 1/4"	4'-3"
4F-044	STANDARD LAYOUT 1			
4A-045	STANDARD LAYOUT 1			
4A-046	1	B32-I-8	6'-0"	1'-0"
	2	B32-I-12	1'-0 1/4"	3'-4 3/4"
	3	B32-I-8	6'-0"	4'-3"
4A-047	STANDARD LAYOUT 1			
4A-048	STANDARD LAYOUT 1			
4A-049	STANDARD LAYOUT 1			
4A-050	STANDARD LAYOUT 1			
4H-051	STANDARD LAYOUT 1			
4E-054	STANDARD LAYOUT 1			
4A-055	1	B32-I-8	1'-4"	1'-0"
	2	B32-I-8	6'-0"	1'-0"
	3	B32-I-8	1'-4"	4'-3"
	4	B32-I-8	6'-0"	4'-3"
4A-056	STANDARD LAYOUT 1			
4A-057	STANDARD LAYOUT 1			
4A-058	STANDARD LAYOUT 1			
4A-059	STANDARD LAYOUT 1			
4H-060	STANDARD LAYOUT 1			
4D-063	1	B32-I-8	2'-0"	1'-0"
	2	B32-I-8	4'-9"	1'-0"
	3	B32-I-8	2'-0"	4'-3"
	4	B32-I-8	4'-9"	4'-3"
4F-064	STANDARD LAYOUT 1			
4B-065	1	B32-I-8	2'-0"	1'-0"
	2	B32-I-8	6'-1 1/8"	1'-0"
	3	B32-I-8	2'-0"	4'-3"
	4	B32-I-8	6'-1 1/8"	4'-3"
4A-066	1	B32-I-8	2'-0"	1'-0"
	2	B32-I-8	6'-7 1/4"	1'-0"
	3	B32-I-8	2'-0"	4'-3"
	4	B32-I-8	6'-7 1/4"	4'-3"
4A-067	STANDARD LAYOUT 1			
4A-068	STANDARD LAYOUT 1			
4A-069	STANDARD LAYOUT 1			
4H-070	STANDARD LAYOUT 1			
4E-073	STANDARD LAYOUT 1			
4A-074	STANDARD LAYOUT 1			
4A-075	STANDARD LAYOUT 1			
4A-076	STANDARD LAYOUT 1			
4A-077	STANDARD LAYOUT 1			
4A-078	STANDARD LAYOUT 1			
4H-079	STANDARD LAYOUT 1			
4D-082	STANDARD LAYOUT 1			

SPAN 4 SIP PANEL UTILITY HANGER INSERTS				
PANEL	INSERT No.	TYPE (SEE NOTE 1)	X	Y
4G-083	1	B32-I-8	2'-0"	1'-0"
	2	B32-I-8	5'-7 1/4"	1'-0"
	3	B32-I-8	2'-0"	4'-3"
	4	B32-I-8	5'-7 1/4"	4'-3"
4B-084	STANDARD LAYOUT 1			
4A-085	1	B32-I-8	6'-0"	1'-0"
	2	B32-I-8	2'-0"	4'-3"
	3	B32-I-8	6'-0"	3'-1 5/8"
4A-086	STANDARD LAYOUT 1			
4A-087	1	B32-I-8	1'-4"	1'-0"
	2	B32-I-8	6'-0"	1'-0"
	3	B32-I-8	1'-4"	4'-3"
	4	B32-I-8	6'-0"	4'-3"
4A-088	1	B32-I-8	2'-9 1/4"	1'-0"
	2	B32-I-8	5'-9 1/2"	1'-0"
	3	B32-I-8	2'-9 1/4"	4'-3"
	4	B32-I-8	5'-9 1/2"	4'-3"
4A-089	STANDARD LAYOUT 1			
4A-090	STANDARD LAYOUT 1			
4A-091	STANDARD LAYOUT 1			
4A-092	1	B32-I-8	2'-0"	1'-0"
	2	B32-I-8	6'-7 1/4'	1'-0"
	3	B32-I-8	2'-0"	4'-3"
	4	B32-I-8	6'-7 1/4'	4'-3"
4A-093	STANDARD LAYOUT 1			
4A-094	STANDARD LAYOUT 1			
4A-095	1	B32-I-8	2'-0"	1'-0"
	2	B32-I-8	7'-5 1/8"	1'-0"
	3	B32-I-8	2'-0"	4'-3"
	4	B32-I-8	7'-5 1/8"	4'-3"
	5	B32-I-8	4'-4 3/4"	1'-0"
	6	B32-I-8	4'-4 3/4"	4'-3"
4A-096	STANDARD LAYOUT 1			
4L-097	1	B32-I-8	2'-0"	1'-0"
	2	B32-I-8	5'-4"	1'-0"
	3	B32-I-8	2'-0"	4'-3"
	4	B32-I-8	5'-4"	4'-3"
4A-098	1	B32-I-8	2'-0"	1'-0"
	2	B32-I-8	6'-7 1/4"	1'-0"
	3	B32-I-8	2'-0"	4'-3"
	4	B32-I-8	6'-7 1/4"	4'-3"
4C-099	STANDARD LAYOUT 1			
4D-100	1	B32-I-8	2'-0"	1'-0"
	2	B32-I-8	5'-5 1/4"	1'-0"
	3	B32-I-8	2'-0"	4'-3"
	4	B32-I-8	5'-5 1/4"	4'-3"

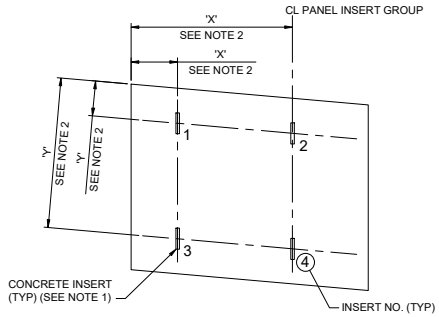
SPAN 5 SIP PANEL UTILITY HANGER INSERTS				
PANEL	INSERT No.	TYPE (SEE NOTE 1)	X	Y
5C-016	STANDARD LAYOUT 4			
5D-017	STANDARD LAYOUT 4			
5H-018	STANDARD LAYOUT 4			
5C-020	1	B32-I-8	2'-0"	1'-0"
	2	B32-I-8	4'-10 5/8"	1'-0"
	3	B32-I-8	2'-0"	5'-0 5/8"
	4	B32-I-8	4'-10 5/8"	5'-0 5/8"
5D-021	STANDARD LAYOUT 4			

NOTES:

1. SEE NOTE 1 ON DWG B27-SND102b.
2. DIMENSIONS FOR SPAN 5 SIP PANELS ARE MEASURED PERPENDICULAR TO PANEL EDGES.



STANDARD LAYOUT 4
NTS



SPAN 5 NON-STANDARD LAYOUT
NTS

UPSTATION

NEW SHEET

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	11/24/20	SJD	KF	SJD	NDC-000053 - FDC-099 INSERTS ABOVE GIRDER
0	08/12/20	SJD	KF	SJD	NDC-000035 - REVISED HANGER INSERT DETAILS

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

STEVEN J. DESPRADEL — STATE OF WASHINGTON — 21009 — REGISTERED PROFESSIONAL ENGINEER
11/24/20 EXP. 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN — DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA — DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond
SCALE: NTS
FILENAME: 102D-B27-SND102D
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

DECK SIP PRECAST PANEL DETAILS
SHEET 7 OF 8

DRAWING No.: B27-SND102d
FACILITY ID: B27
SHEET No.: 102d
REV: 1

RECORD DRAWING #23-2227

INSERT LIST:
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11/23/20 1:31 PM | ALYSSA.SOLIZ
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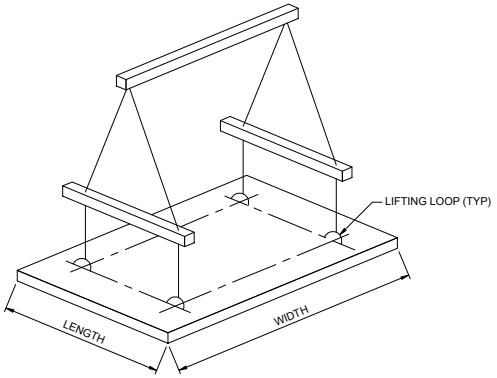
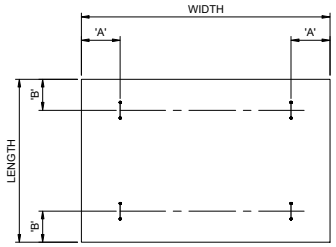
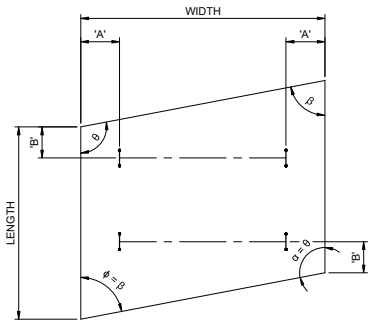


TYPICAL PANEL LIFTING DIAGRAM
NTS



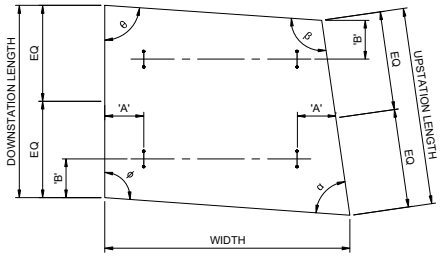
'A' = 1'-3" TYPICAL; 0'-9" MIN AND 2'-0" MAX
'B' = 1'-0" TYPICAL; 0'-9" MIN AND 1'-3" MAX

LIFTING BAR PLAN - SIP STANDARD PANEL
NTS



'A' = 1'-3" TYPICAL; 0'-9" MIN AND 2'-0" MAX
'B' (FROM OBTUSE CORNERS) = 1'-0" TYPICAL; 0'-9" MIN AND 1'-3" MAX

LIFTING BAR PLAN - SIP TRAPAZOIDAL PANEL
NTS



'A' = 1'-3" TYPICAL; 0'-9" MIN AND 2'-0" MAX
'B' (FROM OBTUSE CORNERS) = 1'-0" TYPICAL; 0'-9" MIN AND 1'-3" MAX

LIFTING BAR PLAN - SIP TRAPAZOIDAL END PANEL
NTS

NOTES:

1. FOR HAULING AND STORAGE, PLACE 4x4 FULL LENGTH WOOD BLOCKS (DUNNAGE) ALONG THE PANEL LENGTHS AT OR NEAR THE LIFTING BAR LOCATIONS.
2. SEE NOTE 3 ON DWG B27-SND101.

NEW SHEET

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	08/12/20	SJD	KF	SJD	NDC-000035 - REVISED SHEET NAME
0	05/13/20	SJD	KF	SJD	NDC-000016 - FINAL SIP PANEL DESIGN

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

MARKEL J. DESPRADEL — STATE OF WASHINGTON — 22400 — REGISTERED PROFESSIONAL ENGINEER
8/12/2020 EXP: 3/15/21

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: NTS
FILENAME: 102E-B27-SND102E

RTS PEDESTRIAN BRIDGE

DECK SIP PRECAST PANEL DETAILS
SHEET 8 OF 8

DRAWING No.: **B27-SND102e**
FACILITY ID: B27
SHEET No.: 102e
REV: 1

RECORD DRAWING #23-2228

08/11/20 | 9:22 PM | ALYSSA.SOLIZ
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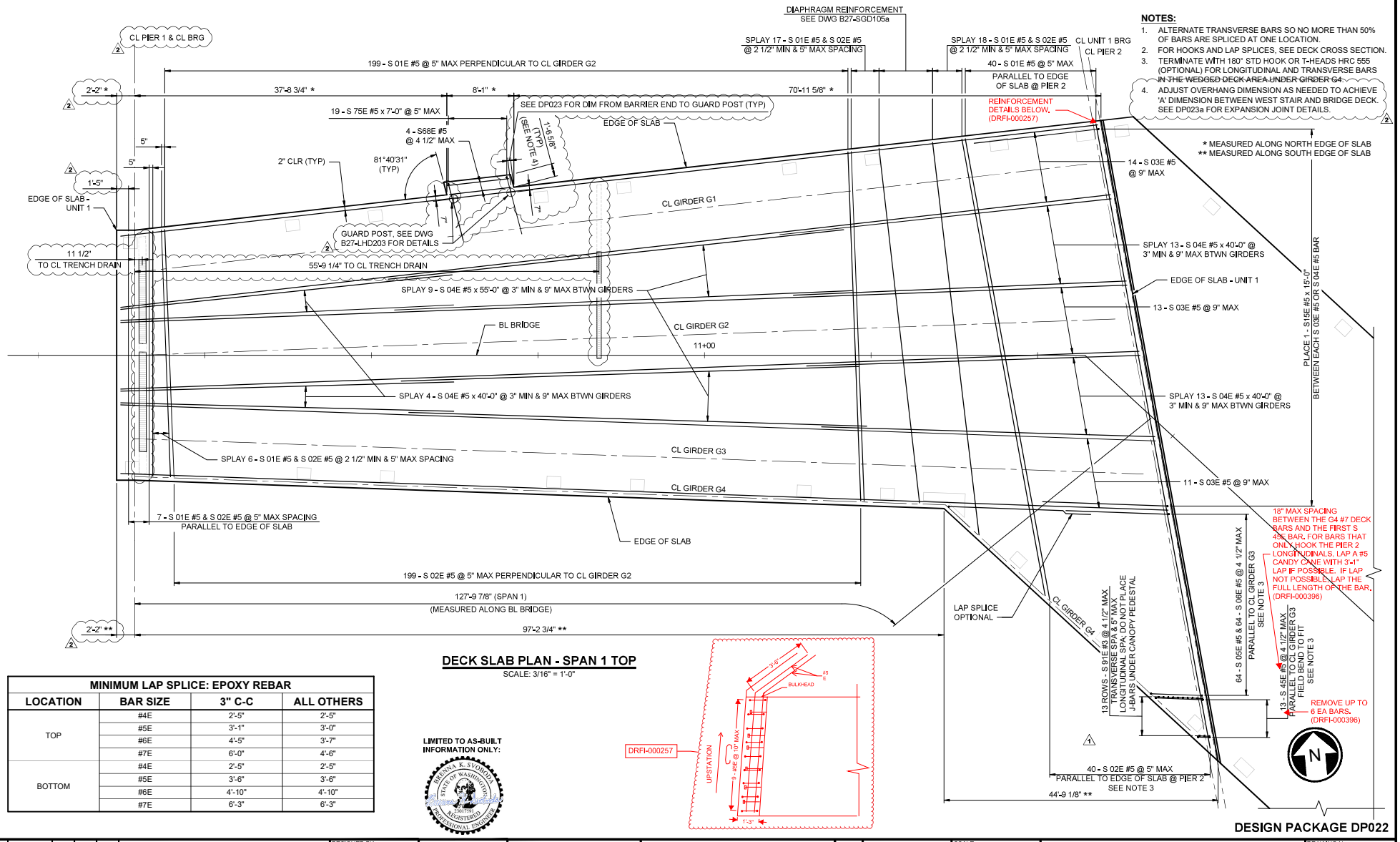


NOTES:

1. ALTERNATE TRANSVERSE BARS SO NO MORE THAN 50% OF BARS ARE SPLICED AT ONE LOCATION.
2. FOR HOOKS AND LAP SPLICES, SEE DECK CROSS SECTION.
3. TERMINATE WITH 180° STD HOOK OR T-HEADS HRC 555 (OPTIONAL) FOR LONGITUDINAL AND TRANSVERSE BARS ~~IN THE WEDGED DECK AREA UNDER GIRDER G4~~.
4. ADJUST OVERHANG DIMENSION AS NEEDED TO ACHIEVE 'A' DIMENSION BETWEEN WEST STAIR AND BRIDGE DECK. SEE DP023a FOR EXPANSION JOINT DETAILS.

DECK SLAB PLAN - SPAN 1 TOP

SCALE: 3/16" = 1'-0"

MINIMUM LAP SPLICE: EPOXY REBAR

LOCATION	BAR SIZE	3" C-C	ALL OTHERS
TOP	#4E	2'-5"	2'-5"
	#5E	3'-1"	3'-0"
	#6E	4'-5"	3'-7"
	#7E	6'-0"	4'-6"
BOTTOM	#4E	2'-5"	2'-5"
	#5E	3'-6"	3'-6"
	#6E	4'-10"	4'-10"
	#7E	6'-3"	6'-3"

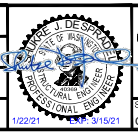
LIMITED TO AS-BUILT INFORMATION ONLY:

DRFI-000257

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	01/22/21	SJD	KF	SJD	NDC-000052 - TRENCH DRAIN LOCATIONS
1	09/28/20	SJD	KF	SJD	NDC-000027 - FINAL DECK DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL



Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 3/16" = 1'-0"
FILENAME: 103-B27-SRP100

RTS PEDESTRIAN BRIDGE

UNIT 1 - DECK SLAB PLAN
SPAN 1 TOP

DRAWING No.: B27-SRP100
FACILITY ID: B27
SHEET No.: 103
REV.: 2

RECORD DRAWING #23-2229

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xB365-SBZ-STP-100.dwg
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xB365-SBZ-SSP-100.dwg
xB365-SBZ-SRP100.dwg
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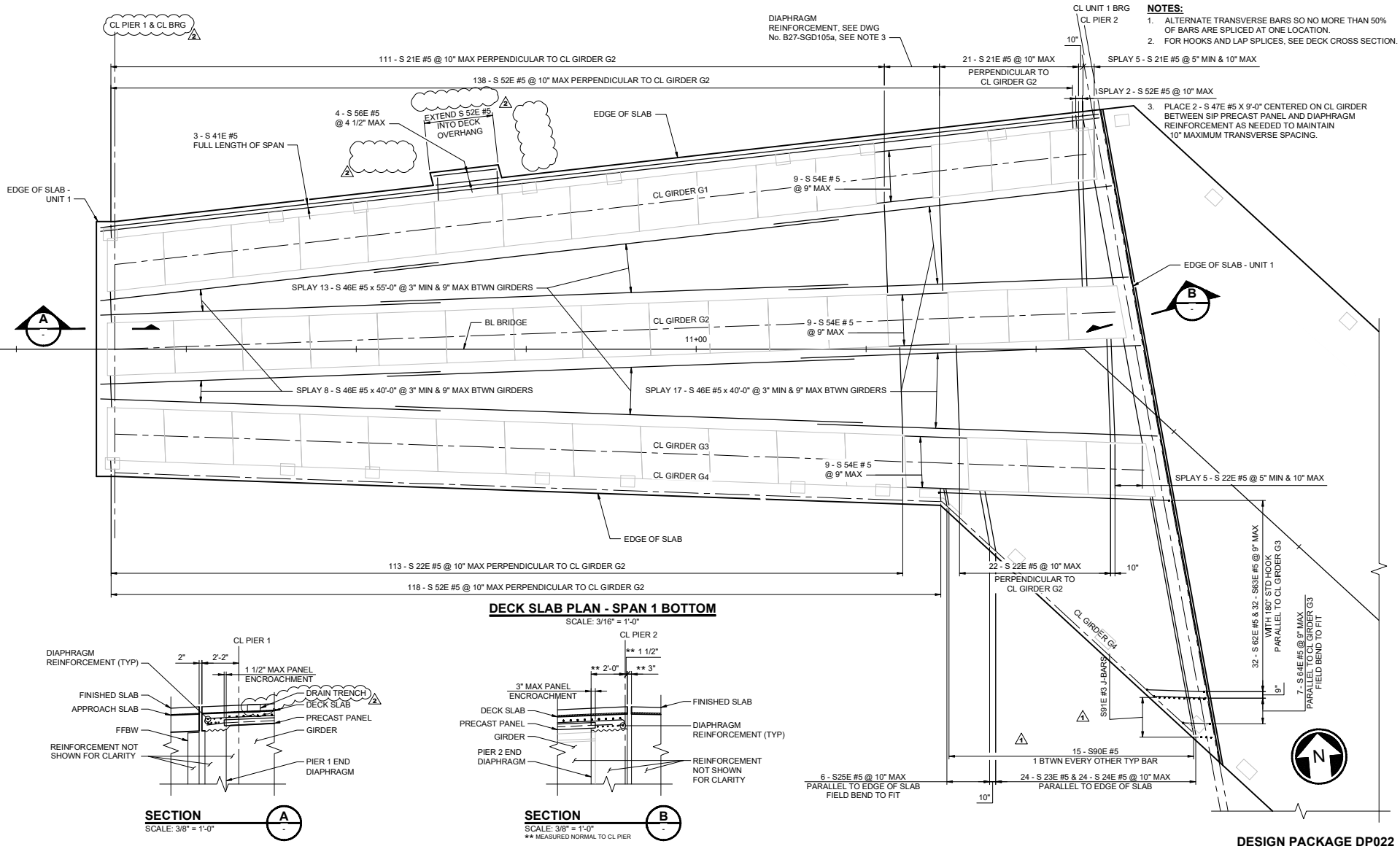

DECK SLAB PLAN - SPAN 1 BOTTOM

SCALE: 3/16" = 1'-0"

SECTION A
SCALE: 3/8" = 1'-0"

SECTION B
SCALE: 3/8" = 1'-0"
** MEASURED NORMAL TO CL PIER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	01/22/21	SJD	KF	SJD	NDC-000052 - TRENCH DRAIN LOCATIONS
1	09/28/20	SJD	KF	SJD	NDC-000027 - FINAL DECK DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — PROFESSIONAL ENGINEER
1/22/21 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN | DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA | DATE: 11/04/19

CityofRedmond
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 104-B27-SRP101

RTS PEDESTRIAN BRIDGE

UNIT 1 - DECK SLAB PLAN
SPAN 1 BOTTOM

DRAWING No.: B27-SRP101
FACILITY ID: B27
SHEET No.: 104
REV: 2

RECORD DRAWING #23-2230

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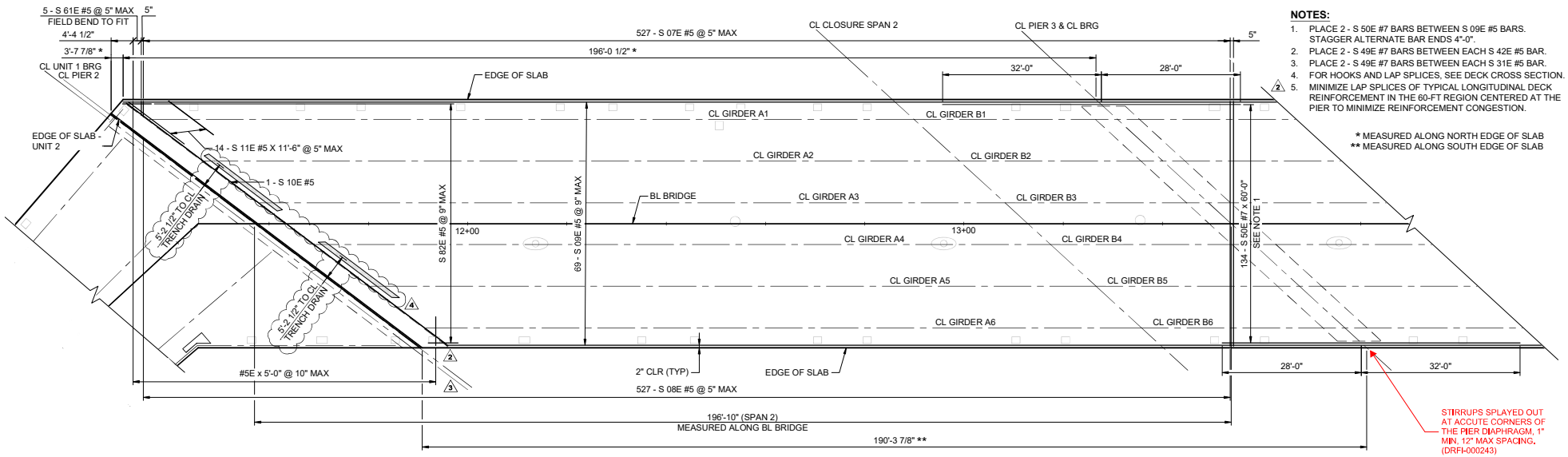
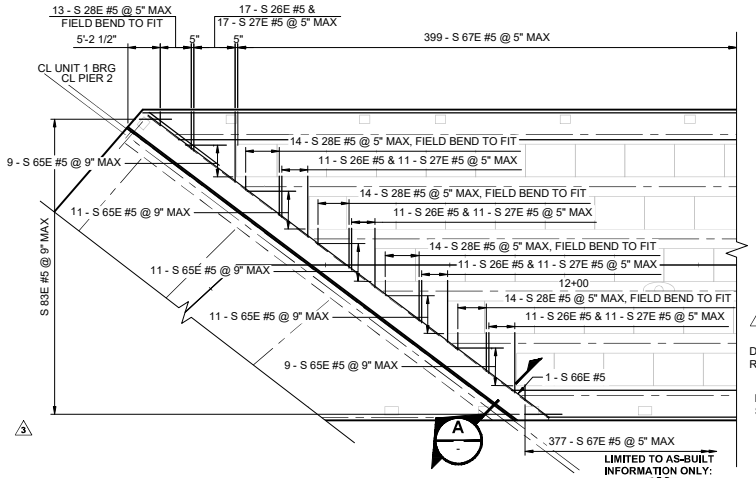


NOTES:

1. PLACE 2 - S 50E #7 BARS BETWEEN S 09E #5 BARS. STAGGER ALTERNATE BAR ENDS 4"-0".
2. PLACE 2 - S 49E #7 BARS BETWEEN EACH S 42E #5 BAR.
3. PLACE 2 - S 49E #7 BARS BETWEEN EACH S 31E #5 BAR.
4. FOR HOOKS AND LAP SPLICES, SEE DECK CROSS SECTION.
5. MINIMIZE LAP SPLICES OF TYPICAL LONGITUDINAL DECK REINFORCEMENT IN THE 60-FT REGION CENTERED AT THE PIER TO MINIMIZE REINFORCEMENT CONGESTION.

* MEASURED ALONG NORTH EDGE OF SLAB
** MEASURED ALONG SOUTH EDGE OF SLAB

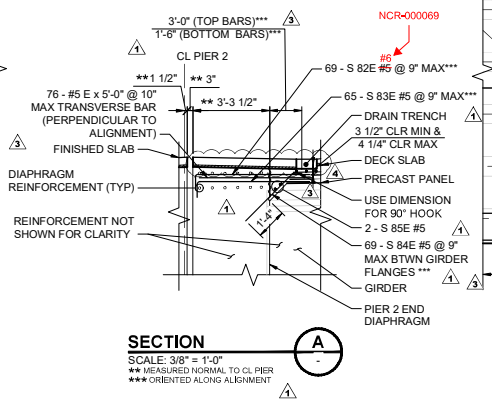


DECK SLAB PLAN - SPAN 2 BOTTOM

SCALE: 1" = 10'

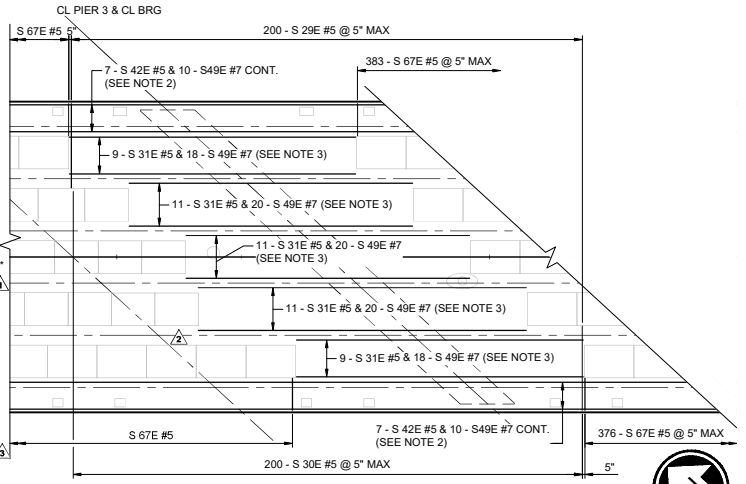
DECK SLAB PLAN - SPAN 2 TOP

SCALE: 1" = 10'



SECTION A

SCALE: 3/8" = 1'-0"
** MEASURED NORMAL TO CL PIER
*** ORIENTED ALONG ALIGNMENT



DECK SLAB PLAN - SPANS 2-3 BOTTOM

SCALE: 1" = 10'

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
4	01/22/21	SJD	KF	SJD	NDC-000052 - TRENCH DRAIN LOCATIONS
3	10/28/20	SJD	KF	SJD	NDC - 000042 - COORDINATION WITH L-DIAPHRAGMS
2	09/28/20	SJD	KF	SJD	NDC - 000027 - FINAL DECK DESIGN
1	03/06/20	SJD	KF	SJD	NDC - 000010 PIER DIAPHRAGM UPDATES
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

1/22/21 EXP: 3/15/21

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1" = 10'
FILENAME: 105-B27-SRP102

RTS PEDESTRIAN BRIDGE

UNIT 2 - DECK SLAB PLAN
SPAN 2

DRAWING No.: B27-SRP102
FACILITY ID: B27
SHEET No.: 105
REV.: 4

RECORD DRAWING #23-2231

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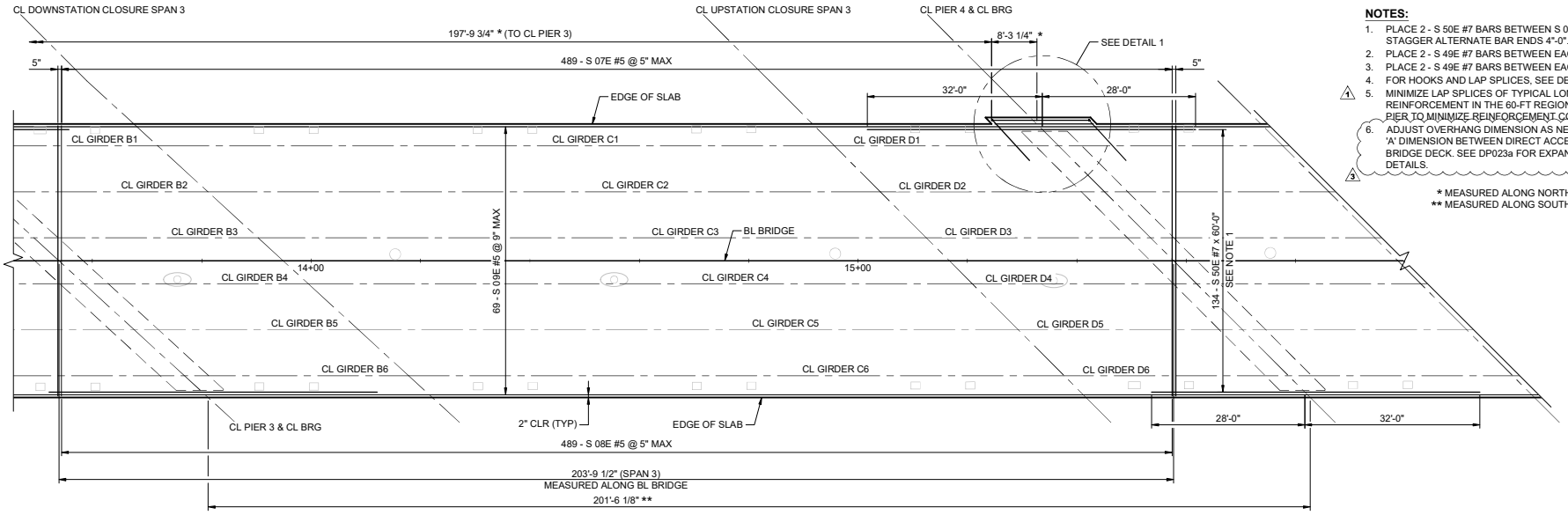


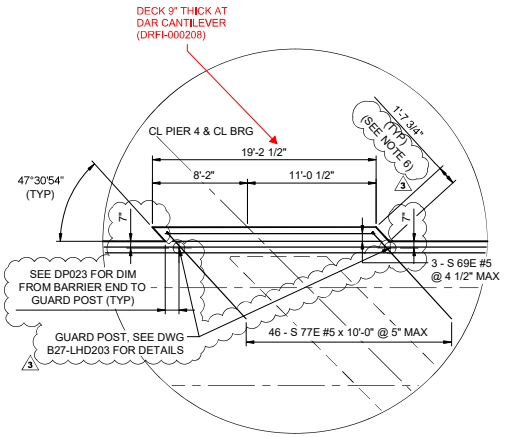
NOTES:

1. PLACE 2 - S 50E #7 BARS BETWEEN S 09E #5 BARS. STAGGER ALTERNATE BAR ENDS 4"-0".
2. PLACE 2 - S 49E #7 BARS BETWEEN EACH S 42E #5 BAR.
3. PLACE 2 - S 49E #7 BARS BETWEEN EACH S 31E #5 BAR.
4. FOR HOOKS AND LAP SPLICES, SEE DECK CROSS SECTION.
5. MINIMIZE LAP SPLICES OF TYPICAL LONGITUDINAL DECK REINFORCEMENT IN THE 60-FT REGION CENTERED AT THE PIER TO MINIMIZE REINFORCEMENT CONGESTION.
6. ADJUST OVERHANG DIMENSION AS NEEDED TO ACHIEVE 'A' DIMENSION BETWEEN DIRECT ACCESS RAMP AND BRIDGE DECK. SEE DP023a FOR EXPANSION JOINT DETAILS.

* MEASURED ALONG NORTH EDGE OF SLAB
** MEASURED ALONG SOUTH EDGE OF SLAB

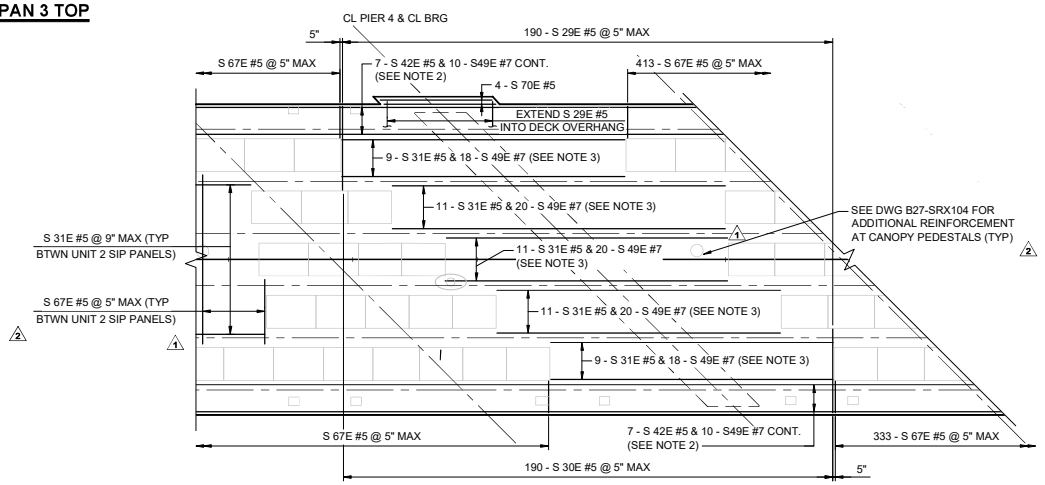
DECK SLAB PLAN - SPAN 3 TOP

SCALE: 1" = 10'



DETAIL 1

SCALE: 3/16" = 1'-0"



DECK SLAB PLAN - SPANS 3-4 BOTTOM

SCALE: 1" = 10'

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENDA K. SVOBODA — STATE OF WASHINGTON — 23011591 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
3	01/22/21	SJD	KF	SJD	NDC-000052 - GUARD POST LOCATIONS
2	10/28/20	SJD	KF	SJD	NDC-000042 - REINF BETWEEN SIP PANELS
1	09/28/20	SJD	KF	SJD	NDC-000027 - FINAL DECK DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JARED J. DESPRADEL — STATE OF WASHINGTON — 21600 — PROFESSIONAL ENGINEER
1/22/21 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 106-B27-SRP103

RTS PEDESTRIAN BRIDGE

UNIT 2 - DECK SLAB PLAN SPAN 3

DRAWING No.: **B27-SRP103**
FACILITY ID: B27
SHEET No.: 106
REV.: 3

RECORD DRAWING #23-2232

01/22/21 | 2:42 PM | ALYSSA.SOLIZ
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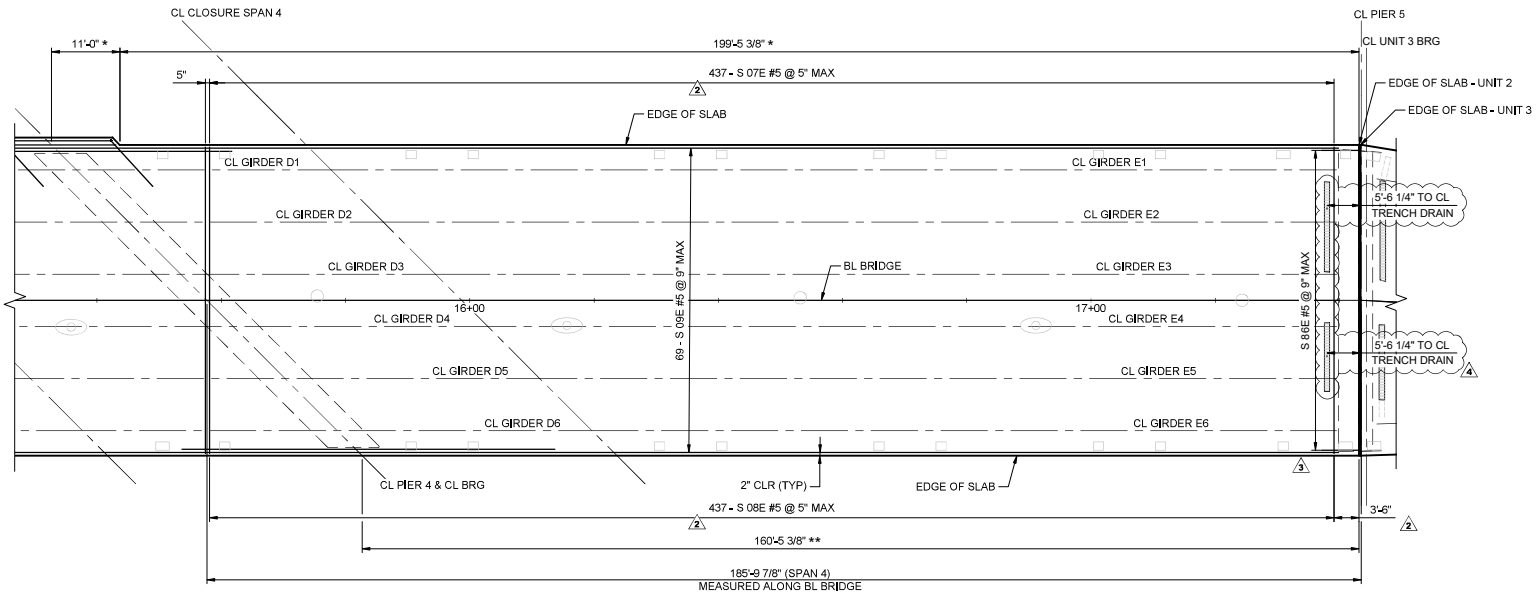


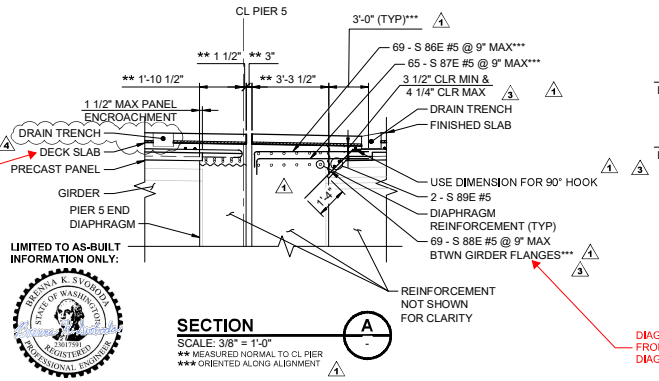
DECK SLAB PLAN - SPAN 4 TOP

SCALE: 1" = 10'

NOTE:

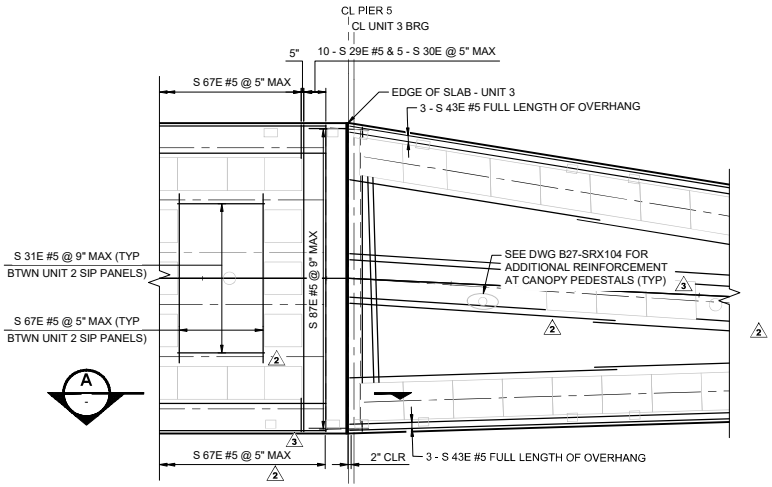
1. FOR HOOKS AND LAP SPLICES, SEE DECK CROSS SECTION.

* MEASURED ALONG NORTH EDGE OF SLAB
** MEASURED ALONG SOUTH EDGE OF SLAB



SECTION

SCALE: 3/8" = 1'-0"
** MEASURED NORMAL TO CL PIER
*** ORIENTED ALONG ALIGNMENT



DECK SLAB PLAN - SPANS 4-5 BOTTOM

SCALE: 1" = 10'

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
4	01/22/21	SJD	KF	SJD	NDC-000052 - TRENCH DRAIN LOCATIONS
3	10/28/20	SJD	KF	SJD	NDC-000042 - COORDINATION WITH L-DIAPHRAGMS
2	09/28/20	SJD	KF	SJD	NDC-000027 - FINAL DECK DESIGN
1	03/06/20	SJD	KF	SJD	NDC-000010 - PIER DIAPHRAGM UPDATES
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

1/22/21 EXP: 3/15/21

Kiewit
NEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19

Kiewit

REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: 1" = 10'
FILENAME: 107-B27-SRP104

SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UNITS 2/3 - DECK SLAB PLAN
SPAN 4

DRAWING No.: B27-SRP104
FACILITY ID: B27
SHEET No.: 107
REV.: 4

RECORD DRAWING #23-2233

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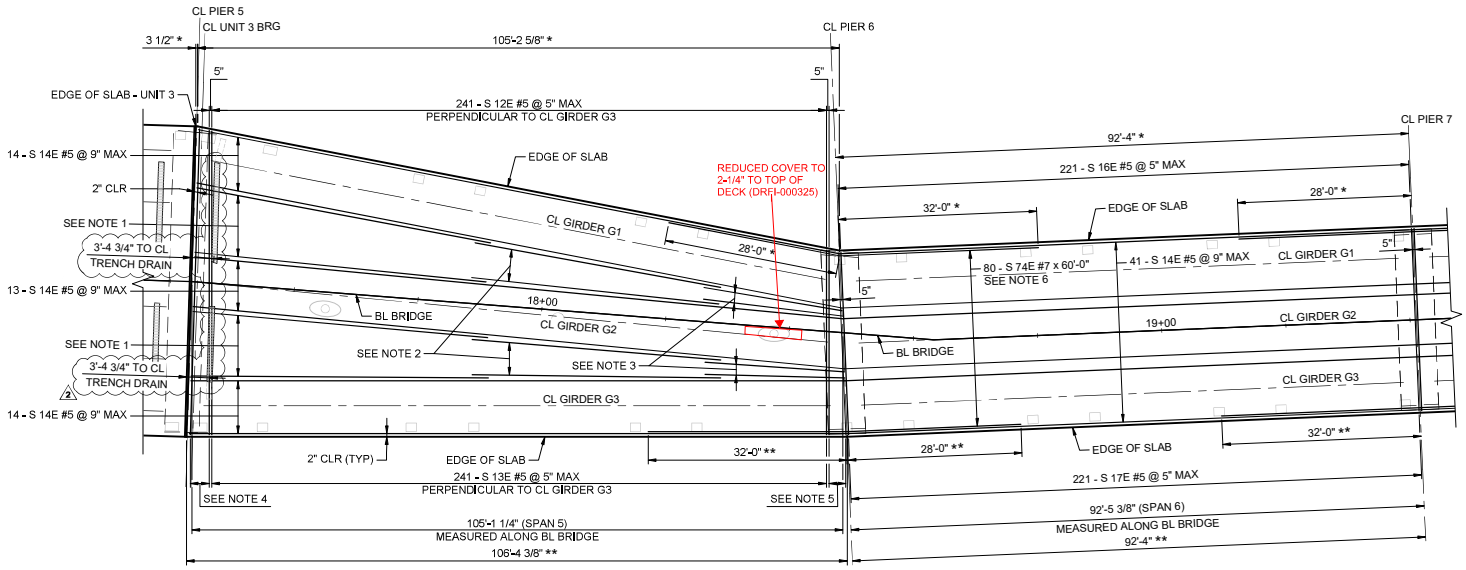


DECK SLAB PLAN - SPANS 5-6 TOP

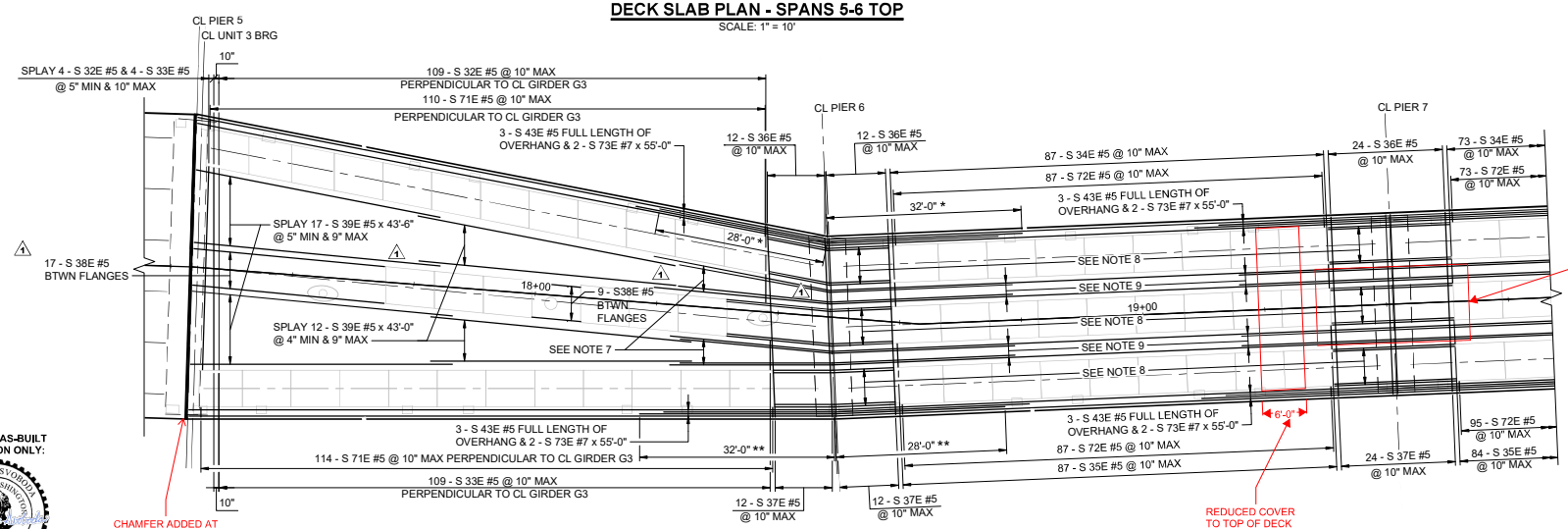
SCALE: 1" = 10'

NOTES:

1. SPLAY 14 - S 15E #5 x 42'-0" @ 3" MIN & 9" MAX BETWEEN GIRDERS, SPLICE EVERY OTHER BAR.
2. SPLAY 8 - S 15E #5 x 52'-0" @ 3" MIN & 9" MAX BETWEEN GIRDERS, SPLICE EVERY OTHER BAR.
3. SPLAY 2 - S 15E #5 x 20'-0" @ 3" MIN & 9" MAX BETWEEN GIRDERS WITH 4 - S 74E #7.
4. SPLAY 9 - S 12E #5 & S 13E #5. MAINTAIN 6" MAX SPACING.
5. SPLAY 7 - S 12E #5 & S 13E #5. MAINTAIN 6" MAX SPACING.
6. ALTERNATE 2 - S 74E #7 BETWEEN EACH S 14E #5 BAR, STAGGER ALTERNATE BAR ENDS 4'-0".
7. SPLAY 7 - S 39E #5 x 29'-6" @ 3" MIN & 9" MAX & 3 - S 73E #7, STAGGER ALTERNATE #7 BAR ENDS 5'-0".
8. 9 - S 38E #5 BETWEEN FLANGES & 1 - S 73E #7 BETWEEN EACH S 38E #5.
9. 4 - S 39E #5 BETWEEN GIRDERS & 1 - S 73E #7 BETWEEN EACH S 39E #5.
10. FOR HOOKS AND LAP SPLICES, SEE DECK CROSS SECTION.
11. MINIMIZE LAP SPLICES OF TYPICAL LONGITUDINAL DECK REINFORCEMENT IN THE 60-FT REGION CENTERED AT THE PIER TO MINIMIZE REINFORCEMENT CONGESTION.

* MEASURED ALONG NORTH EDGE OF SLAB
** MEASURED ALONG SOUTH EDGE OF SLAB

12. IF UTILITY LOCATION SHIFTED, SHIFT TRIMMED REBAR TO MATCH UTILITY LOCATION. ADD REBAR IF NEEDED TO MAINTAIN REBAR MAX SPACING. (DRFI-000204)



DECK SLAB PLAN - SPANS 5-6 BOTTOM

SCALE: 1" = 10'

CHAMFER ADDED AT BOTTOM OF DECK SLAB. (DRFI-000320)

REDUCED COVER TO TOP OF DECK (2-3/16" TO 2-3/8"). (DRFI-000285)

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENDA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	01/22/21	SJD	KF	SJD	NDC-000052 - TRENCH DRAIN LOCATIONS
1	09/28/20	SJD	KF	SJD	NDC-000027 - FINAL DECK DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

AARON J. DESPRADEL — STATE OF WASHINGTON — 23015 — PROFESSIONAL ENGINEER
1/22/21 | EXP. 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN | DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA | DATE: 11/04/19

LINE IS 1" AT FULL SCALE

City of Redmond

SCALE: AS NOTED
FILENAME: 108-B27-SRP105
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UNIT 3 - DECK SLAB PLAN
SPANS 5 - 6

DRAWING No.: B27-SRP105
FACILITY ID: B27
SHEET No.: 108
REV.: 2

RECORD DRAWING #23-2234

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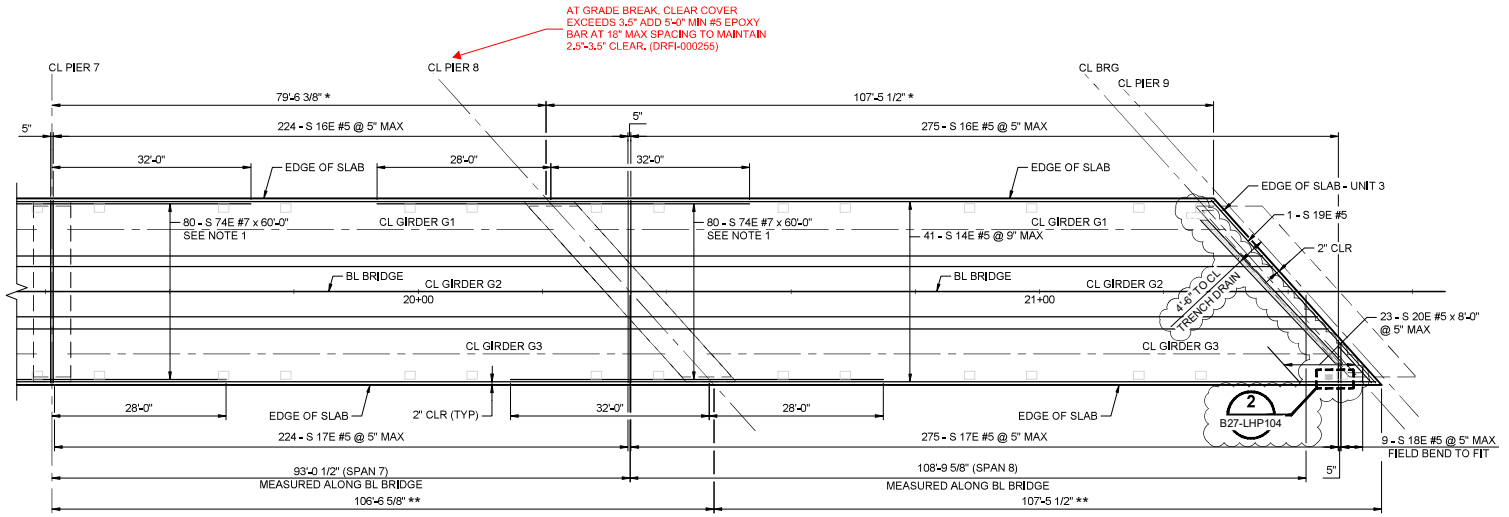


DECK SLAB PLAN - SPANS 7-8 TOP

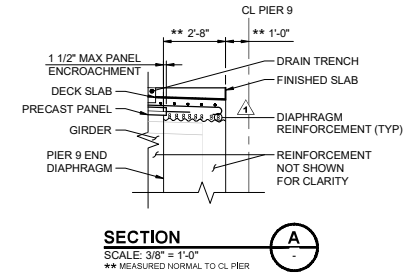
SCALE: 1" = 10'

NOTES:

1. ALTERNATE 2 - S 74E #7 BETWEEN S 14E #5 & S 15E #5 BAR, STAGGER ALTERNATE BAR ENDS 4'-0".
2. 9 - S 38E #5 BETWEEN FLANGES & 1 - S 73E #7 BETWEEN EACH S 38E #5.
3. 4 - S 39E #5 BETWEEN GIRDERS & 1 - S 73E #7 BETWEEN EACH S 39E #5.
4. 8 - S79E #5 CENTERED IN DECK SLAB. LAP 4'-0" MIN W/ S39E #5 OR S60E #5.
5. FOR HOOKS AND LAP SPLICES, SEE DECK CROSS SECTION.
6. MINIMIZE LAP SPLICES OF TYPICAL LONGITUDINAL DECK REINFORCEMENT IN THE 60-FT REGION CENTERED AT THE PIER TO MINIMIZE REINFORCEMENT CONGESTION.

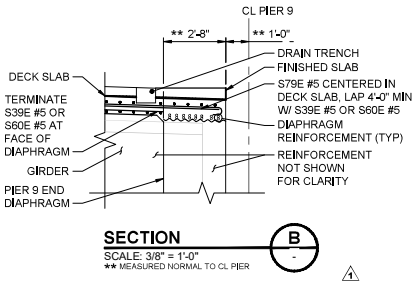
* MEASURED ALONG NORTH EDGE OF SLAB
** MEASURED ALONG SOUTH EDGE OF SLAB

7. IF UTILITY LOCATION SHIFTED, SHIFT TRIMMED REBAR TO MATCH UTILITY LOCATION. ADD REBAR IF NEEDED TO MAINTAIN REBAR MAX SPACING. (DRFI-000204)



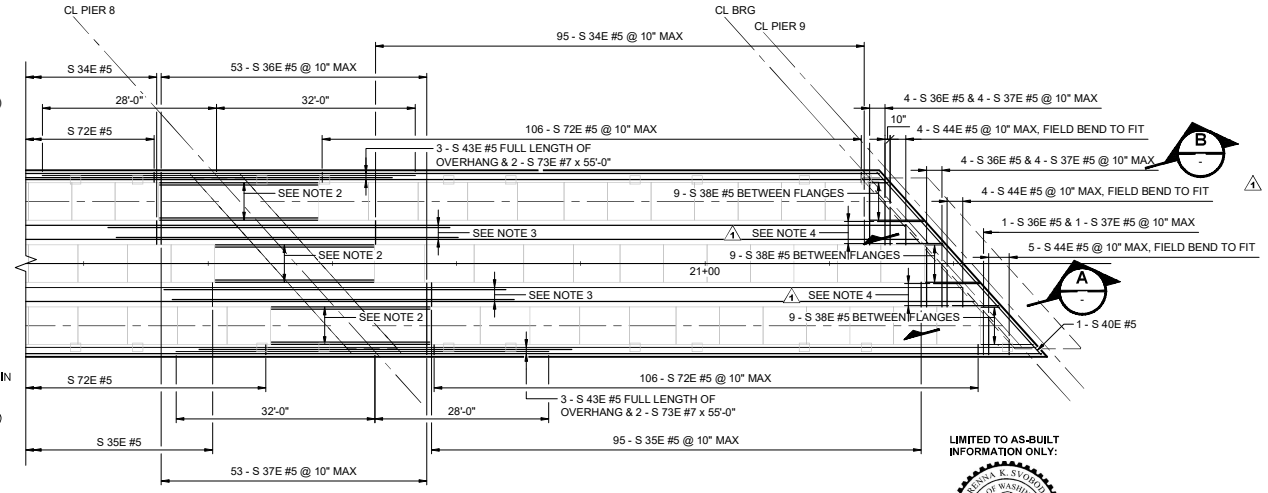
SECTION A

SCALE: 3/8" = 1'-0"
** MEASURED NORMAL TO CL PIER



SECTION B

SCALE: 3/8" = 1'-0"
** MEASURED NORMAL TO CL PIER



DECK SLAB PLAN - SPANS 7-8 BOTTOM

SCALE: 1" = 10'

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENDA K. SVOBODA, STATE OF WASHINGTON, 23017591, REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	01/22/21	SJD	KF	SJD	NDC-000052 - TRENCH DRAIN LOCATIONS
1	09/28/20	SJD	KF	SJD	NDC-000027 - FINAL DECK DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

BRENT J. DESPRADEL, STATE OF WASHINGTON, 22826, REGISTERED PROFESSIONAL ENGINEER
1/22/21 EXP 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON

SCALE: 1" = 10'
FILENAME: 109-B27-SRP106

RTS PEDESTRIAN BRIDGE

UNIT 3 - DECK SLAB PLAN
SPANS 7 - 8

DRAWING No.: B27-SRP106
FACILITY ID: B27
SHEET No.: 109
REV.: 2

RECORD DRAWING #23-2235

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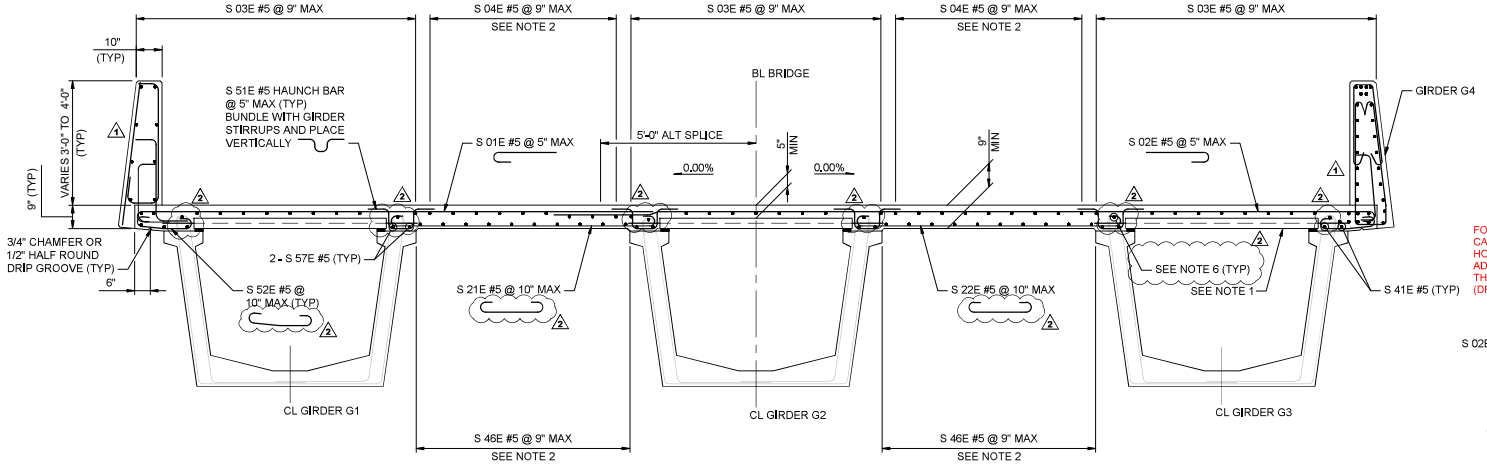


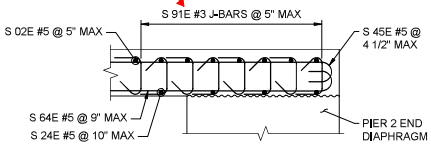
SLAB SECTION AT PRECAST PANELS - SPAN 1

SCALE: 1/2" = 1'-0"

NOTES:

1. FOR PRECAST PANEL LAYOUT, SEE DWG B27-SNP100. FOR PRECAST PANEL REINFORCEMENT, SEE DWGS B27-SND100, B27-SND101 & B27-SND102.
2. FOR LAYOUT AND QUANTITY OF LONGITUDINAL REINFORCEMENT BETWEEN GIRDERS, SEE DWGS B27-SRP100 & B27-SRP101.
3. HAUNCH BARS MAY BE OMITTED AT LOCATIONS WHERE GIRDER STIRRUPS PROJECT AT LEAST 3" ABOVE THE BOTTOM OF THE TRANSVERSE BAR IN THE BOTTOM OF THE BRIDGE DECK OR THE BOTTOM OF THE PRESTRESSING STEEL IN THE SIP DECK PANELS.
4. FOR GIRDER G4 REINFORCEMENT, SEE DWG B27-SGD104.
5. FOR PEDESTRIAN BARRIER REINFORCEMENT, SEE DWG B27-SYD100.
6. AT GIRDER STIRRUPS, PLACE TYPICAL TOP LONGITUDINAL REINFORCING BAR THROUGH THE GIRDER STIRRUPS TO PROVIDE ANCHORAGE.

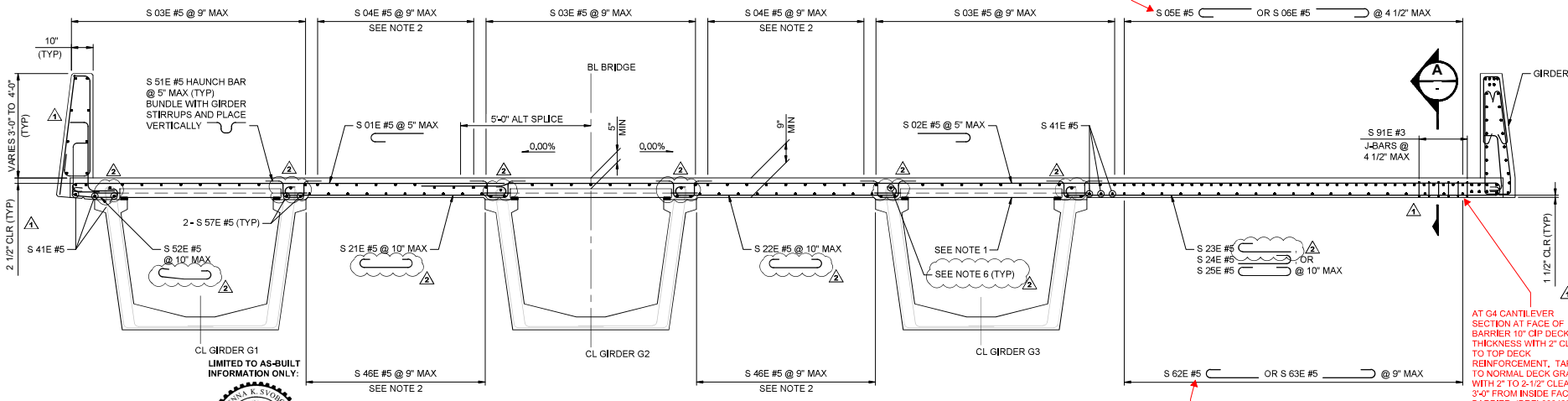
FOR J-BARS THAT CANNOT HOOK #5 HORIZONTAL BARS, ADD #4E BAR THROUGH HOOKS. (DRFI-000387)



SECTION A-A

SCALE: 1" = 1'-0"

1 EA BAR TERMINATES AS STRAIGHT UNDER THE G4 PEDESTAL. (DRFI-000389)



SLAB SECTION AT PRECAST PANELS - SPAN 1 WITH OVERHANG

SCALE: 1/2" = 1'-0"

AT G4 CANTILEVER SECTION AT FACE OF BARRIER 10" CIP DECK THICKNESS WITH 2" CLEAR TO TOP DECK REINFORCEMENT. TAPER TO NORMAL DECK GRADE WITH 2" TO 2-1/2" CLEAR AT 3'-0" FROM INSIDE FACE OF BARRIER. (DRFI-000400)

1 EA BAR TERMINATES AS STRAIGHT UNDER THE G4 PEDESTAL. (DRFI-000389)

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23617597 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	01/22/21	SJD	KF	SJD	NDC-000052 - GIRDER STIRRUP ANCHORAGE
1	09/28/20	SJD	KF	SJD	NDC-000027 - FINAL DECK DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

AARON J. DESPRADEL — STATE OF WASHINGTON — 21617597 — PROFESSIONAL ENGINEER — 1/22/21 — EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19

LINE IS 1" AT FULL SCALE

SCALE: 1/2" = 1'-0"
FILENAME: 110-B27-SRX100

CityofRedmond

SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UNIT 1 - DECK SLAB REINFORCEMENT
SHEET 1 OF 4

DRAWING No.: B27-SRX100
FACILITY ID: B27
SHEET No.: 110
REV.: 2

RECORD DRAWING #23-2236

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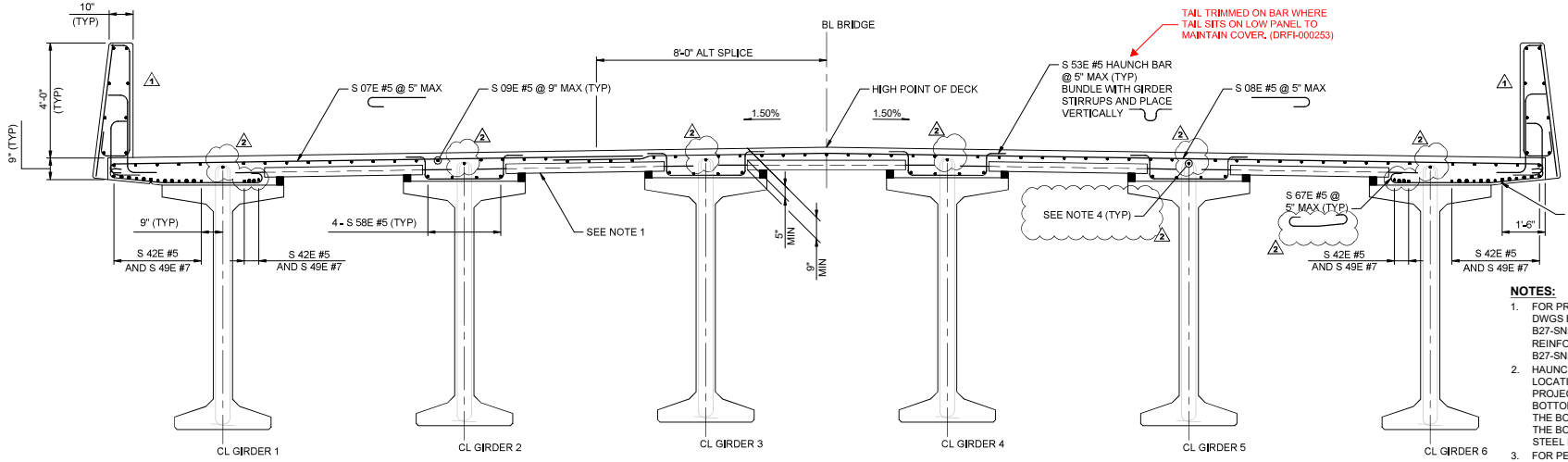


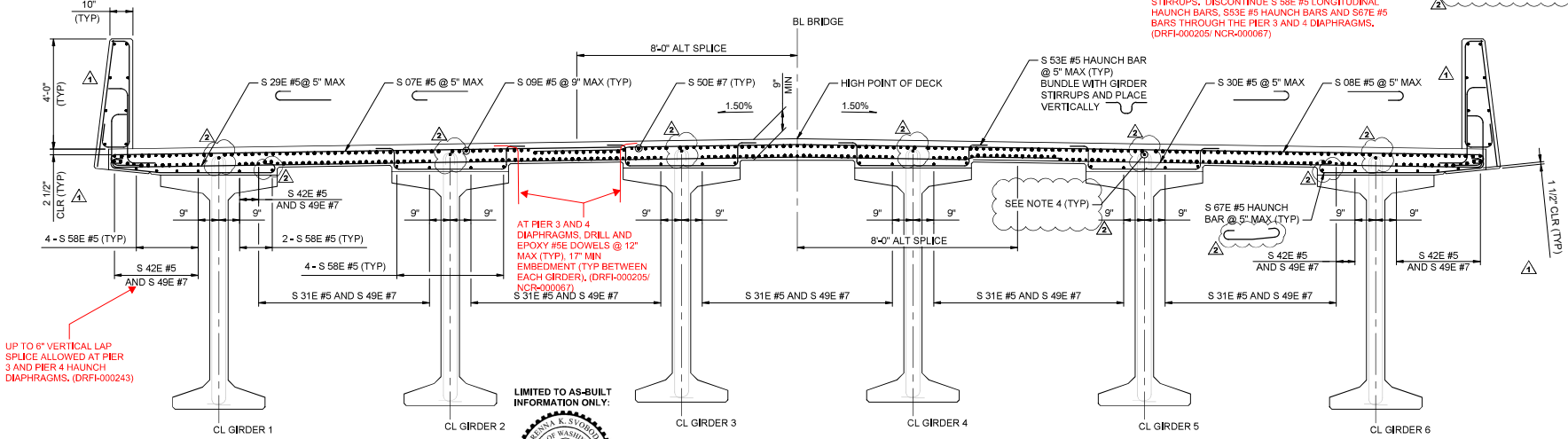
SLAB SECTION AT PRECAST PANELS - SPANS 2-4

SCALE: 1/2" = 1'-0"

NOTES:

1. FOR PRECAST PANEL LAYOUT, SEE DWGS B27-SNP101, B27-SNP102 & B27-SNP103. FOR PRECAST PANEL REINFORCEMENT, SEE DWGS B27-SND100, B27-SND101 & B27-SND102.
2. HAUNCH BARS MAY BE OMITTED AT LOCATIONS WHERE GIRDER STIRRUPS PROJECT AT LEAST 3" ABOVE THE BOTTOM OF THE TRANSVERSE BAR IN THE BOTTOM OF THE BRIDGE DECK OR THE BOTTOM OF THE PRESTRESSING STEEL IN THE SIP DECK PANELS.
3. FOR PEDESTRIAN BARRIER REINFORCEMENT, SEE DWG B27-SYD100.
4. AT GIRDER STIRRUPS, PLACE TYPICAL TOP LONGITUDINAL REINFORCING BAR THROUGH THE GIRDER STIRRUPS TO PROVIDE ANCHORAGE.

WHERE GIRDER STIRRUPS ARE BURIED IN THE HAUNCH AT PIER 3 AND 4 DIAPHRAGMS, PLACE TOP LONGITUDINAL REINFORCING BAR NEXT TO STIRRUPS AND SPLICE WITH DOWNSTATION AND UPSTATION LONGITUDINAL BAR PLACED THROUGH THE GIRDER STIRRUPS. DISCONTINUE S 58E #5 LONGITUDINAL HAUNCH BARS, S53E #5 HAUNCH BARS AND S67E #5 BARS THROUGH THE PIER 3 AND 4 DIAPHRAGMS. (DRFI-000205/ NCR-000067)



SLAB SECTION - SPANS 2-4

SCALE: 1/2" = 1'-0"

LIMITED TO AS-BUILT INFORMATION ONLY:

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	01/22/21	SJD	KF	SJD	NDC-000052 - GIRDER STIRRUP ANCHORAGE
1	09/28/20	SJD	KF	SJD	NDC-000027 - FINAL DECK DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

1/22/21 EXP. 3/15/21

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/2" = 1'-0"
FILENAME: 111-B27-SRX101

CityofRedmond

RTS PEDESTRIAN BRIDGE

UNIT 2 - DECK SLAB REINFORCEMENT
SHEET 2 OF 4

DRAWING No.: B27-SRX101
FACILITY ID: B27
SHEET No.: 111 REV: 2

RECORD DRAWING #23-2237

01/21/21 | 1:38 AM | ALYSSA.SOLIZ
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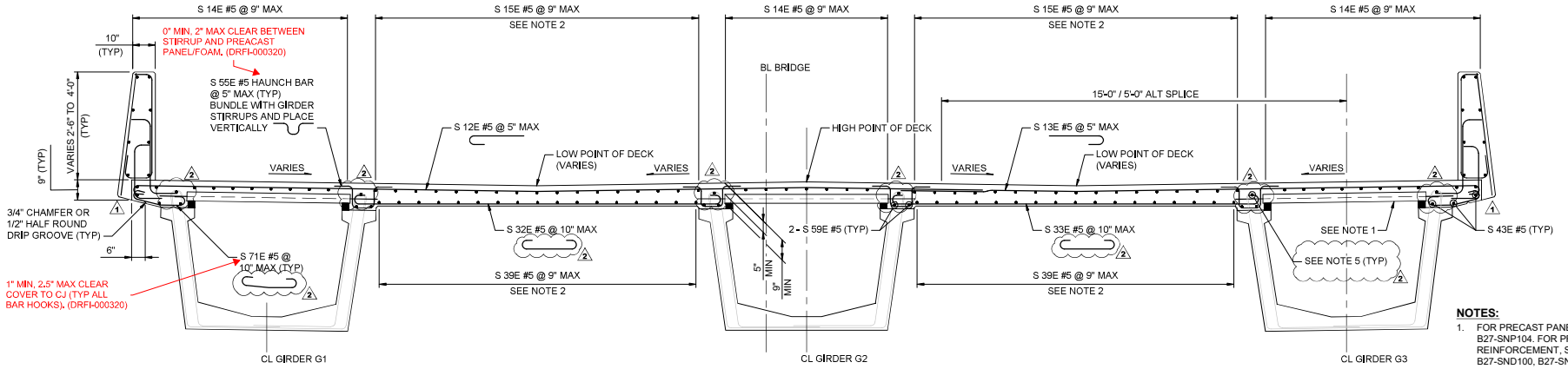
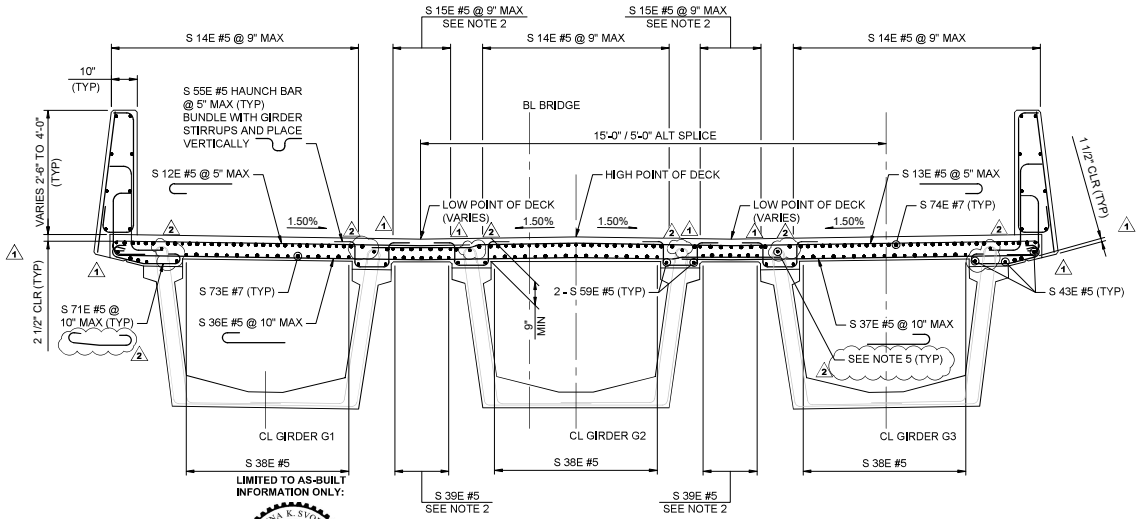


SLAB SECTION AT PRECAST PANELS - SPAN 5

SCALE: 1/2" = 1'-0"

NOTES:

1. FOR PRECAST PANEL LAYOUT, SEE DWG B27-SNP104. FOR PRECAST PANEL REINFORCEMENT, SEE DWGS B27-SND100, B27-SND101 & B27-SND102.
2. FOR LAYOUT AND QUANTITY OF LONGITUDINAL REINFORCEMENT BETWEEN GIRDERS, SEE DWG B27-SRP105.
3. HAUNCH BARS MAY BE OMITTED AT LOCATIONS WHERE GIRDER STIRRUPS PROJECT AT LEAST 3" ABOVE THE BOTTOM OF THE TRANSVERSE BAR IN THE BOTTOM OF THE BRIDGE DECK OR THE BOTTOM OF THE PRESTRESSING STEEL IN THE SIP DECK PANELS.
4. FOR PEDESTRIAN BARRIER REINFORCEMENT, SEE B27-SYD100.
5. AT GIRDER STIRRUPS, PLACE TYPICAL TOP LONGITUDINAL REINFORCING BAR THROUGH THE GIRDER STIRRUPS TO PROVIDE ANCHORAGE.



SLAB SECTION - SPAN 5

SCALE: 1/2" = 1'-0"

LIMITED TO AS-BUILT INFORMATION ONLY:

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	01/22/21	SJD	KF	SJD	NDC-000052 - GIRDER STIRRUP ANCHORAGE
1	09/28/20	SJD	KF	SJD	NDC-000027 - FINAL DECK DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

1/22/21 EXP. 3/15/21

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19

Kiewit

REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: 1/2" = 1'-0"
FILENAME: 112-B27-SRX102

SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UNIT 3 - DECK SLAB REINFORCEMENT
SHEET 3 OF 4

DRAWING No.: B27-SRX102
FACILITY ID: B27
SHEET No.: 112
REV.: 2

RECORD DRAWING #23-2238

PREFLIGHT: I:\B27-SRX102.dwg
01/22/21 | 3:01 PM | ALYSSA.SOLIZ
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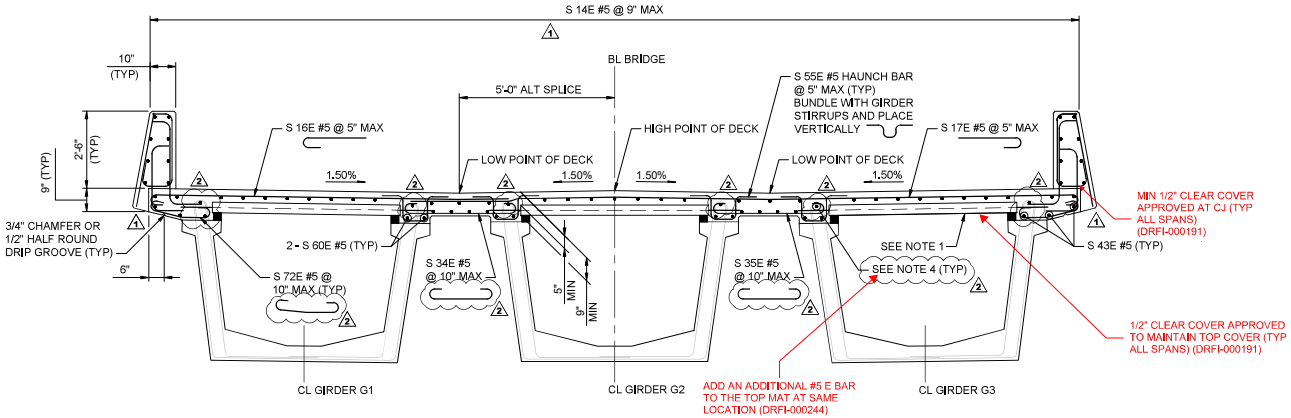
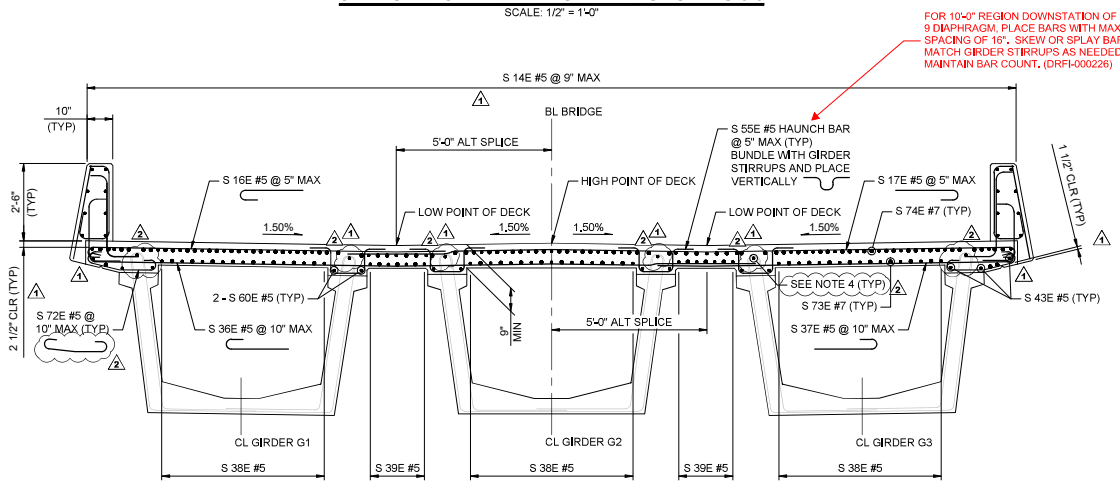
NOTES:

1. FOR PRECAST PANEL LAYOUT, SEE DWGS B27-SNP105, B27-SNP106 & B27-SNP107. FOR PRECAST PANEL REINFORCEMENT, SEE DWGS B27-SND100, B27-SND101 & B27-SND102.
2. HAUNCH BARS MAY BE OMITTED AT LOCATIONS WHERE GIRDER STIRRUPS PROJECT AT LEAST 3" ABOVE THE BOTTOM OF THE TRANSVERSE BAR IN THE BOTTOM OF THE BRIDGE DECK OR THE BOTTOM OF THE PRESTRESSING STEEL IN THE SIP DECK PANELS.
3. FOR PEDESTRIAN BARRIER REINFORCEMENT, SEE DWG-SYD100.
4. AT GIRDER STIRRUPS, PLACE TYPICAL TOP LONGITUDINAL REINFORCING BAR THROUGH THE GIRDER STIRRUPS TO PROVIDE ANCHORAGE.
5. FOR SPAN 6 REDUCE TOP OF DECK COVER TO 2" MINIMUM AT GIRDER FLANGES (TYP). (FDC-000150)



SLAB SECTION AT PRECAST PANELS - SPANS 6-8

SCALE: 1/2" = 1'-0"



SLAB SECTION - SPANS 6-8

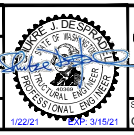
SCALE: 1/2" = 1'-0"

LIMITED TO AS-BUILT INFORMATION ONLY:

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	01/22/21	SJD	KF	SJD	NDC-000052 - GIRDER STIRRUP ANCHORAGE
1	09/28/20	SJD	KF	SJD	NDC-000027 - FINAL DECK DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL



Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19

Kiewit

REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

City of Redmond

SCALE: 1/2" = 1'-0"
FILENAME: 113-B27-SRX103

SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UNIT 3 - DECK SLAB REINFORCEMENT
SHEET 4 OF 4

DRAWING No.: B27-SRX103
FACILITY ID: B27
SHEET No.: 113
REV: 2

RECORD DRAWING #23-2239

PREFLIST:
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01/22/21 | 3:05 PM | ALYSSA.SOLIZ
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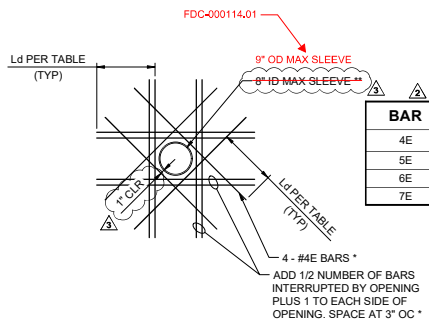


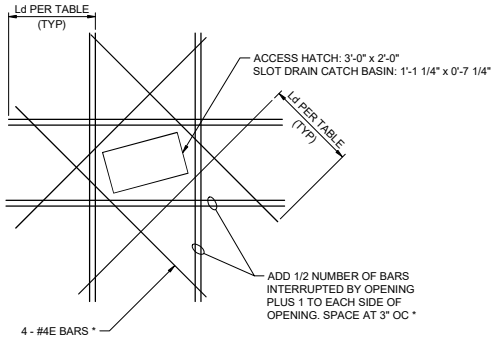
BAR	Ld [IN]
4E	22
5E	27
6E	33
7E	38

CIRCULAR OPENING IN CIP DECK SLAB FOR DRAINAGE

NTS

* BEND REINFORCEMENT AS NECESSARY AT JOINTS OR OTHER OBSTRUCTIONS.

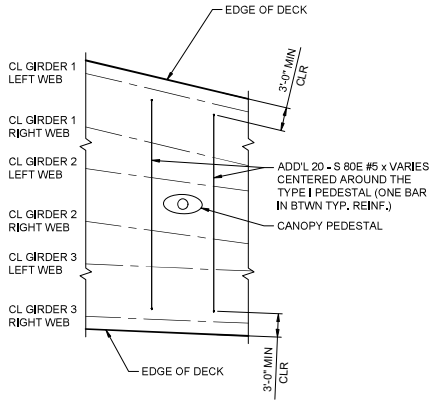
** REMOVE SLEEVE AFTER DECK IS CAST IF NEEDED.



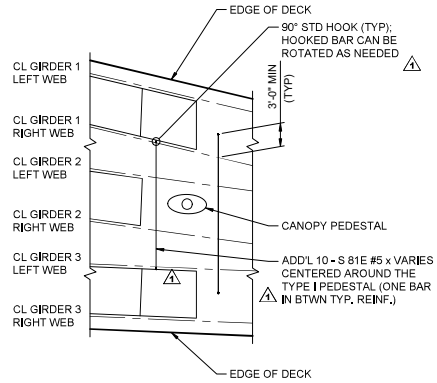
RECTANGULAR OPENING IN CIP DECK SLAB

NTS

*BEND REINFORCEMENT AS NECESSARY AT JOINTS OR OTHER OBSTRUCTIONS.



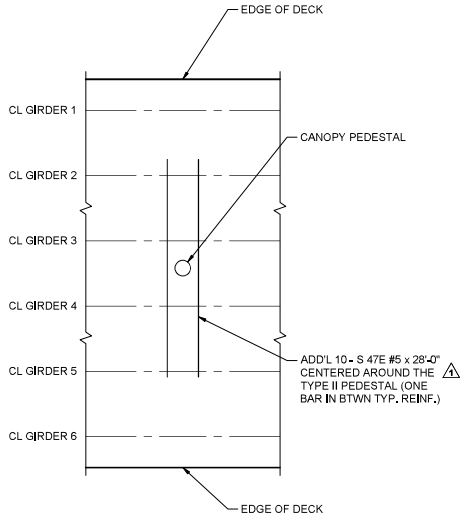
DECK SLAB PLAN - SPAN 5 TOP



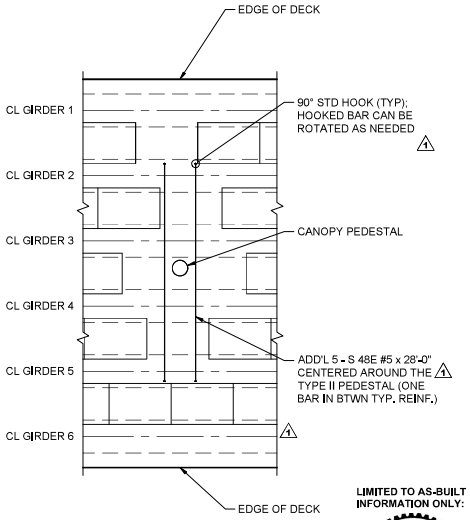
DECK SLAB PLAN - SPAN 5 BOTTOM

ADDITIONAL REINFORCEMENT AT SPAN 5 TYPE I PEDESTALS

NTS



DECK SLAB PLAN - SPANS 2-4 TOP

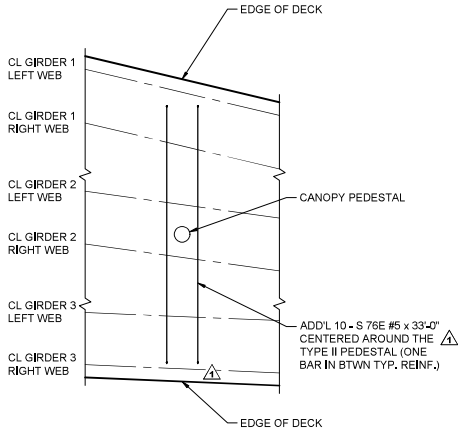


DECK SLAB PLAN - SPANS 2-4 BOTTOM

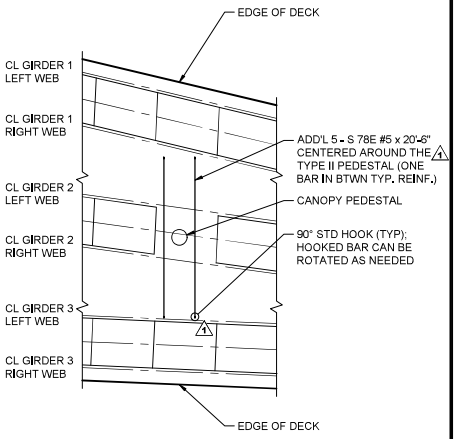
ADDITIONAL REINFORCEMENT AT UNIT 2 TYPE II PEDESTALS

NTS

LIMITED TO AS-BUILT INFORMATION ONLY:



DECK SLAB PLAN - SPAN 5 TOP



DECK SLAB PLAN - SPAN 5 BOTTOM

ADDITIONAL REINFORCEMENT AT SPAN 5 TYPE II PEDESTALS

NTS

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
3	01/22/21	SJD	KF	SJD	NDC-000052 - FDC-114 DRAIN FIXTURE COORDINATION
2	11/13/20	SJD	KF	SJD	NDC-000026 - FLANGED DRAINAGE SLEEVE
1	09/28/20	SJD	KF	SJD	NDC-000027 - FINAL DECK DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: D. HENDERSON
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

1/22/21 EXP: 3/15/21

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: NTS
FILENAME: 113A-B27-SRX104

RTS PEDESTRIAN BRIDGE

DECK SLAB REINFORCEMENT DETAILS

DRAWING No.: B27-SRX104
FACILITY ID: B27
SHEET No.: 113a
REV: 3

RECORD DRAWING #23-2240

01/19/21 | 10:37 PM | ALYSSA.SOLIZ
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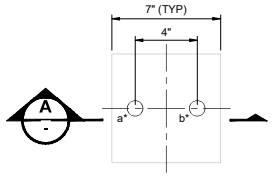
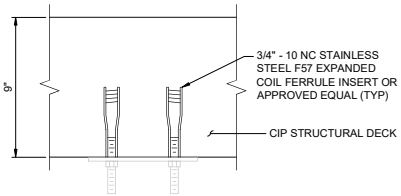


* SEE TABLE ON DWG B27-SRX105 FOR COORDINATES CORRESPONDING TO THE CENTER POINT OF THE F57 EXPANDED COIL FERRULE INSERTS.

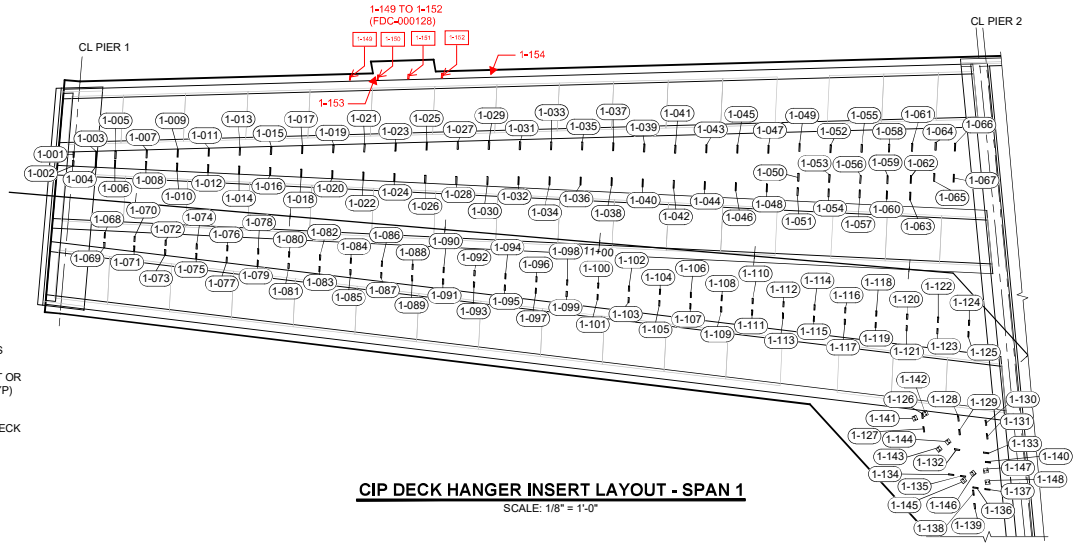
SPAN 1 OVERHANG: FUTURE UTILITY HANGER INSERTS

SCALE: 3" = 1'-0"



SECTION A - A

SCALE: 3" = 1'-0"

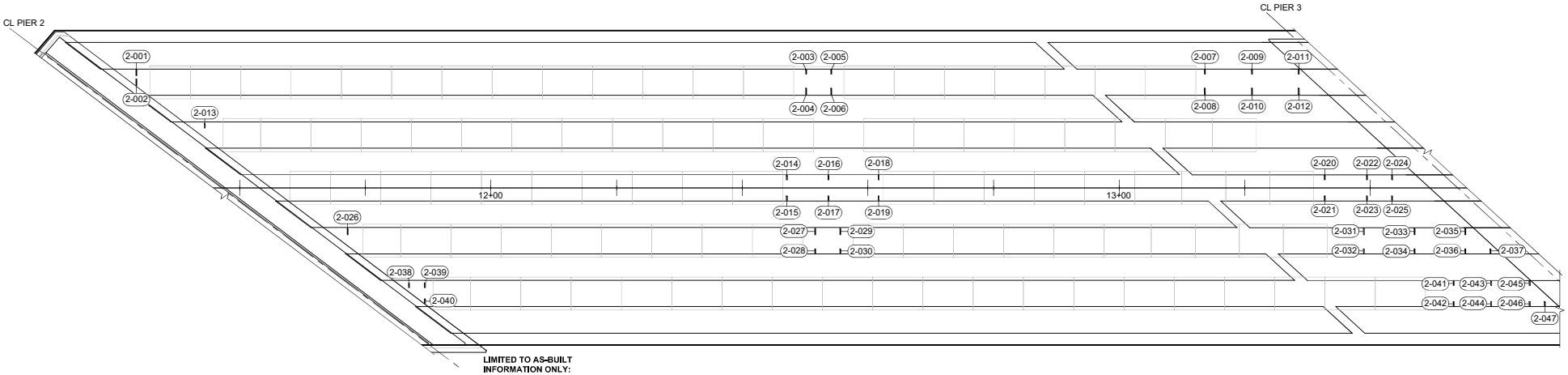


CIP DECK HANGER INSERT LAYOUT - SPAN 1

SCALE: 1/8" = 1'-0"

NOTES:

1. HANGER INSERTS IN THE CIP DECK AND SIP PANELS IN UNIT 2 - SPANS 2 THROUGH 4 BETWEEN GIRDER 4 AND GIRDER 5 HAVE BEEN DESIGNED FOR BOTH DRAINAGE AND FUTURE UTILITY LOADINGS. HOWEVER, THE FUTURE UTILITY DESIGNER MUST CONFIRM FINAL UTILITY LOADINGS COMPLY WITH THE INSERT CAPACITY.
2. SEE DWG B27-UCP100 FOR LOCATIONS OF FUTURE UTILITY HANGER INSERTS IN SPAN 1 GIRDER 3.



LIMITED TO AS-BUILT INFORMATION ONLY:

CIP DECK HANGER INSERT LAYOUT - SPAN 2

SCALE: 1/8" = 1'-0"

NEW SHEET

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
0	11/13/20	SJD	KF	SJD	NDC-000026 - CIP DECK HANGER INSERTS

DESIGNED BY: B. SVOBODA
DRAWN BY: A. SOLIZ
CHECKED BY: K. MAYTUM
APPROVED BY: S. DESPRADEL

11/13/20 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/8" = 1'-0"
FILENAME: 113AA-B27-SRP107

RTS PEDESTRIAN BRIDGE

CIP DECK HANGER INSERT PLAN
SHEET 1 OF 3

DRAWING No.: B27-SRP107
FACILITY ID: B27
SHEET No.: 113aa
REV.

RECORD DRAWING #23-2241

01/07/21 | 8:18 PM | ALYSSA.SOLIZ
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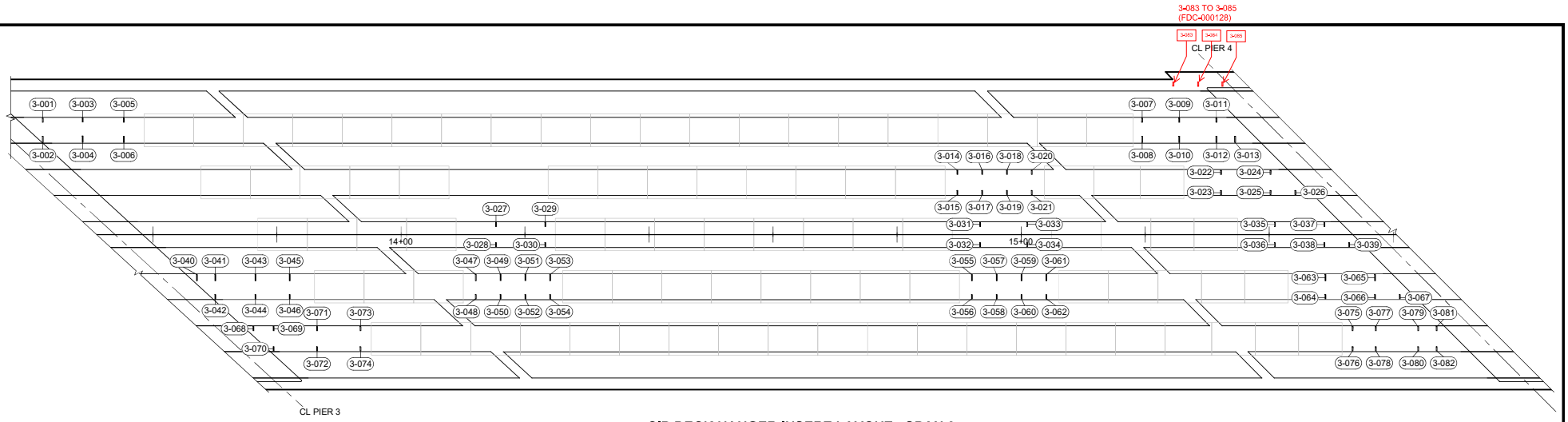
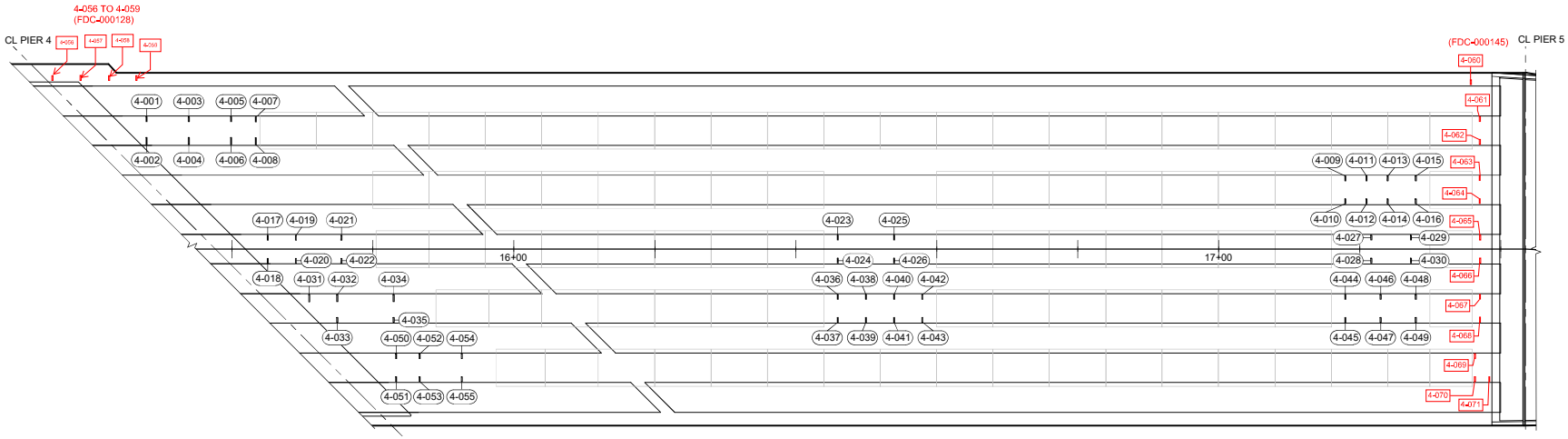


CIP DECK HANGER INSERT LAYOUT - SPAN 3

SCALE: 1/8" = 1'-0"



CIP DECK HANGER INSERT LAYOUT - SPAN 4

SCALE: 1/8" = 1'-0"

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 21601591 — REGISTERED PROFESSIONAL ENGINEER

NEW SHEET

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
0	11/13/20	SJD	KF	SJD	NDC-000026 - CIP DECK HANGER INSERTS

DESIGNED BY: B. SVOBODA
DRAWN BY: A. SOLIZ
CHECKED BY: K. MAYTUM
APPROVED BY: S. DESPRADEL

DARREL J. DESPRADEL — STATE OF WASHINGTON — 21601591 — REGISTERED PROFESSIONAL ENGINEER
11/13/20 EXP. 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/8" = 1'-0"
FILENAME: 113AB-B27-SRP108

RTS PEDESTRIAN BRIDGE

CIP DECK HANGER INSERT PLAN
SHEET 2 OF 3

DRAWING No.: **B27-SRP108**
FACILITY ID: B27
SHEET No.: 113ab
REV.

RECORD DRAWING #23-2242

11/11/20 | 9:31 PM | ALYSSA.SOLIZ
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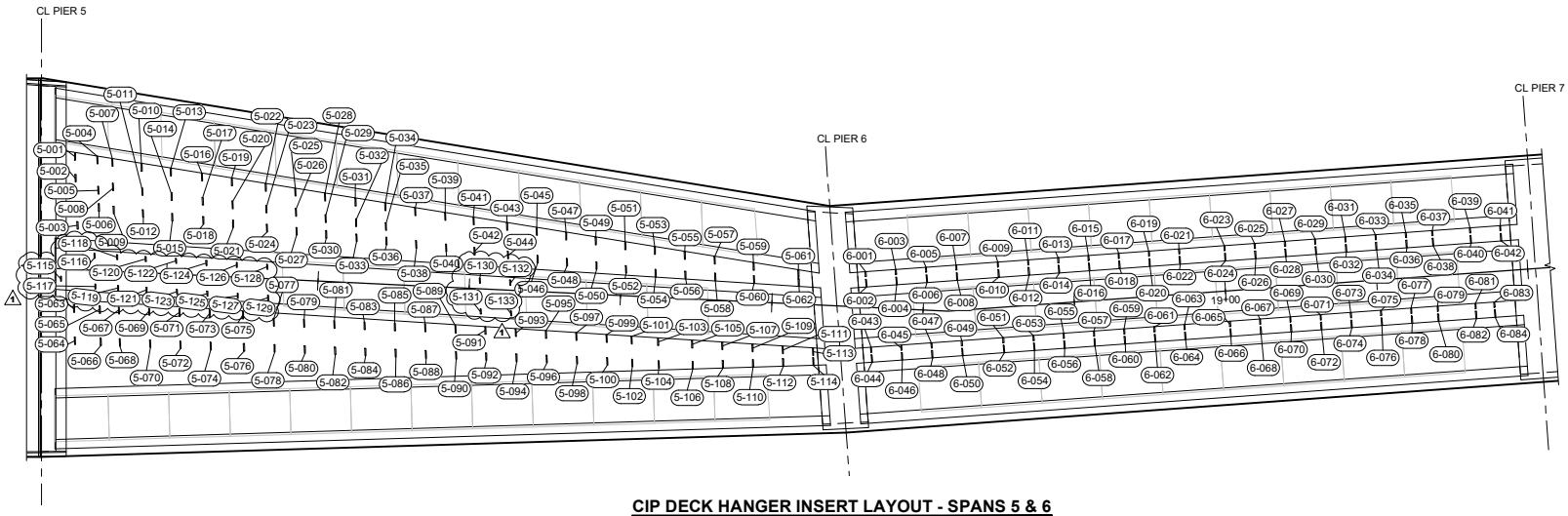
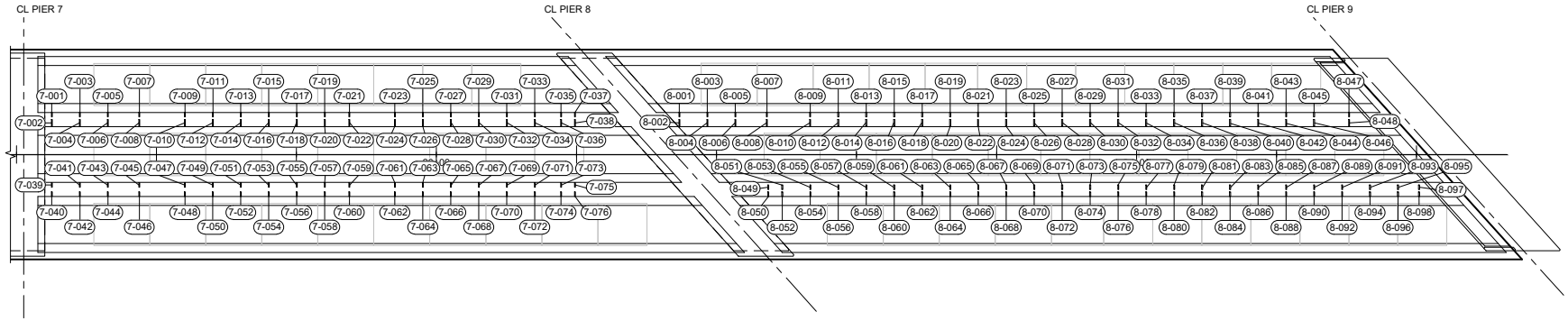


CIP DECK HANGER INSERT LAYOUT - SPANS 5 & 6

SCALE: 1/8" = 1'-0"



CIP DECK HANGER INSERT LAYOUT - SPANS 7 & 8

SCALE: 1/8" = 1'-0"

NEW SHEET

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	11/24/20	SJD	KF	SJD	NDC-000053 - FDC-099 INSERTS ABOVE GIRDER
0	11/13/20	SJD	KF	SJD	NDC-000026 - CIP DECK HANGER INSERTS

DESIGNED BY: B. SVOBODA
DRAWN BY: A. SOLIZ
CHECKED BY: K. MAYTUM
APPROVED BY: S. DESPRADEL

MARCEL J. DESPRADEL — STATE OF WASHINGTON — PROFESSIONAL ENGINEER
11/24/20 EXP: 3/15/21

Kiewit — K.E.WIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/8" = 1'-0"
FILENAME: 113AC-B27-SRP109

CityofRedmond

RTS PEDESTRIAN BRIDGE

CIP DECK HANGER INSERT PLAN
SHEET 3 OF 3

DRAWING No.: **B27-SRP109**
FACILITY ID: B27
SHEET No.: 113ac
REV: 1

RECORD DRAWING #23-2243

11/23/20 11:37 PM | ALYSSA.SOLIZ
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DRAIN PENETRATION LOCATIONS

DECK PENETRATION	NORTHING	EASTING	θ (SEE NOTE 1)
1	565668.869	1647608.916	-
2	565666.262	1647663.727	-
3	565671.206	1647683.158	-
4	565671.113	1647692.038	-
5	565670.151	1647698.784	-
6	565670.061	1647714.603	-
7	565669.656	1647720.126	-
8	565646.514	1647724.417	-
9	565633.560	1647716.280	-
10	565624.926	1647724.890	-
11	565623.359	1647725.254	-
12	565665.937	1647733.020	-
13	565654.991	1647733.240	-
14	565626.123	1647736.005	-
15	565577.599	1647790.404	-
16	565575.469	1647793.440	-
17	565569.030	1647798.251	-
18	565515.752	1647848.893	-
19	565509.550	1647852.819	-
20	565517.287	1647870.465	-
21	565510.809	1647877.301	-
22	565488.126	1647849.284	-
23	565481.867	1647854.022	-
24	565466.268	1647870.711	2.85°
25	565462.845	1647871.410	-
26	565456.744	1647903.018	-
27	565449.105	1647907.455	-
28	565397.118	1647957.304	-
29	565390.211	1647961.580	-
30	565389.153	1647987.915	39.92°
31	565341.369	1647986.011	5.49°
32	565338.932	1647984.418	-
33	565335.692	1647989.916	-
34	565334.835	1647990.637	-
35	565362.036	1648013.653	-
36	565358.514	1648015.572	11.82°
37	565342.171	1648005.607	-
38	565338.410	1648011.028	-
39	565317.713	1648005.317	-
40	565316.464	1648007.461	-
41	565278.537	1648066.012	-
42	565229.539	1648108.490	-
43	565226.406	1648113.381	-
44	565233.910	1648137.725	-
45	565232.503	1648138.830	-
46	565229.494	1648134.869	-
47	565216.177	1648120.263	-
48	565210.554	1648114.178	-
49	565206.122	1648108.050	-
50	565219.313	1648137.075	-
51	565204.888	1648129.707	-
52	565201.139	1648116.975	-
53	565193.536	1648151.252	-
54	565182.365	1648137.808	-
55	565170.234	1648168.217	-
56	565164.790	1648162.845	-
57	565160.021	1648155.924	-

DRAIN PENETRATION LOCATIONS

DECK PENETRATION	NORTHING	EASTING	θ (SEE NOTE 1)
58	565143.127	1648188.102	-
59	565135.367	1648178.763	-
60	565120.609	1648208.901	-
61	565113.002	1648201.708	-
62	565100.025	1648230.676	-
63	565092.415	1648223.481	-
64	565079.395	1648252.500	-
65	565071.782	1648245.303	-
66	565058.796	1648274.291	-
67	565051.180	1648267.093	-
68	565038.194	1648296.086	-
69	565030.575	1648288.885	-
70	565017.589	1648317.884	-
71	565009.968	1648310.680	-
72	564997.345	1648339.299	-
73	564989.722	1648332.093	-
74	564975.274	1648362.648	-
75	564967.648	1648355.439	-
76	564953.290	1648385.904	-
77	564945.661	1648378.693	-
78	564926.451	1648400.091	-
**79	565217.463	1648119.647	-
***80	565216.985	1648119.125	-

** 3" ID FLANGED SLEEVE
*** 2" ID FLANGED SLEEVE

FDC-000142

CHANGE TO 4.5" BLOCKOUT, PLACE VLEAR OF CURB AND GIRDER FLANGE. ADJUST TRANSVERSE, LONGITUDINAL, AND DECK PENETRATION TRIM REINFORCEMENT AROUND THE REDUCED SIZE OPENING PER CIRCULAR OPENING DETAIL ON B27-SRX104. (FDC-000152)

NOTES:

1. ANGLES OF ROTATION FOR RECTANGULAR DECK PENETRATIONS ARE MEASURED COUNTER CLOCKWISE FROM BL BRIDGE.
2. SEE DWG B27-SNP100 THROUGH B27-SNP107 FOR LOCATIONS OF CIP DECK PENETRATIONS.
   B32-I-6
3. COOPER B-LINE B32-I-8 OR B32-I-12 OR APPROVED EQUAL WITH SPRING NUT. CHASE THREADS ON HANGER ROD FOR THREAD COMPATIBILITY WITH SPRING NUT. INSERT TO BE INSTALLED ~~LEVEL LONGITUDINAL AND TRANSVERSELY.~~ HANGER RODS SHALL NOT BE WITHIN 2" OF THE END OF THE INSERT. FOR UTILITY PATHWAY, SEE DWG B27-UCP100 THROUGH B27-UCP102. FOR UTILITY HANGER DETAILS, SEE DP023.
   FLUSH WITH DECK SOFFIT (FDC-000128)
4. ALIGN INSERTS PARALLEL TO TRANSVERSE DECK REINFORCEMENT IN EACH SPAN.
   INSERTS CAN BE PLACED PARALLEL TO THE LONGITUDINAL AND TRANSVERSE FACES OF THE CONCRETE DECK. (FDC-000134)

HANGER INSERT LEGEND

SPAN NUMBER — 1-014 — INSERT DESIGNATION

CIP DECK UTILITY HANGER INSERTS

CIP DECK INSERT ID	INSERT TYPE	NORTHING	EASTING
1-001	B32-I-8	565669.1048	1647607.9783
1-002	B32-I-8	565668.0034	1647607.9333
1-003	B32-I-12	565669.0278	1647610.8667
1-004	B32-I-12	565668.0045	1647610.8213
1-005	B32-I-12	565669.0853	1647613.3688
1-006	B32-I-12	565667.9096	1647613.3195
1-007	B32-I-12	565669.1966	1647617.3776
1-008	B32-I-12	565667.7156	1647617.3148
1-009	B32-I-12	565669.3072	1647621.3864
1-010	B32-I-12	565667.5215	1647621.3102
1-011	B32-I-12	565669.4187	1647625.3900
1-012	B32-I-12	565667.3275	1647625.3055
1-013	B32-I-12	565669.5294	1647629.3988
1-014	B32-I-12	565667.1335	1647629.3008
1-015	B32-I-12	565669.6407	1647633.4076
1-016	B32-I-12	565666.9395	1647633.2962
1-017	B32-I-12	565669.7515	1647637.4190
1-018	B32-I-12	565666.7455	1647637.2915
1-019	B32-I-12	565669.8622	1647641.4329
1-020	B32-I-12	565666.5514	1647641.2868
1-021	B32-I-12	565669.9733	1647645.4340
1-022	B32-I-12	565666.3574	1647645.2821
1-023	B32-I-12	565670.0842	1647649.4505
1-024	B32-I-12	565666.1634	1647649.2775
1-025	B32-I-12	565670.1949	1647653.4593
1-026	B32-I-12	565665.9695	1647653.2714
1-027	B32-I-12	565670.3061	1647657.4681
1-028	B32-I-12	565665.7918	1647657.2675
1-029	B32-I-12	565670.2860	1647661.4680
1-030	B32-I-12	565665.7718	1647661.2674
1-031	B32-I-12	565670.2660	1647665.4680
1-032	B32-I-12	565665.7518	1647665.2674
1-033	B32-I-12	565670.2460	1647669.4679
1-034	B32-I-12	565665.7317	1647669.2673
1-035	B32-I-12	565670.2259	1647673.4679
1-036	B32-I-12	565665.7118	1647673.2647
1-037	B32-I-12	565670.1349	1647677.4669
1-038	B32-I-12	565665.6208	1647677.2636
1-039	B32-I-12	565669.9780	1647681.4638
1-040	B32-I-12	565665.4639	1647681.2606
1-041	B32-I-12	565669.8211	1647685.4607
1-042	B32-I-12	565665.3069	1647685.2575
1-043	B32-I-12	565669.8634	1647689.4669
1-044	B32-I-12	565665.1500	1647689.2544
1-045	B32-I-12	565669.8227	1647693.4693
1-046	B32-I-12	565664.9931	1647693.2513
1-047	B32-I-12	565669.8052	1647697.4727
1-048	B32-I-12	565664.8362	1647697.2482
1-049	B32-I-12	565670.0308	1647701.4797
1-050	B32-I-12	565666.2003	1647701.3178
1-051	B32-I-12	565664.3463	1647701.2313
1-052	B32-I-12	565669.8739	1647705.4766
1-053	B32-I-12	565666.0433	1647705.3147
1-054	B32-I-12	565664.1893	1647705.2282
1-055	B32-I-12	565669.9228	1647709.4822
1-056	B32-I-12	565665.9149	1647709.3120
1-057	B32-I-12	565664.0609	1647709.2256

CIP DECK UTILITY HANGER INSERTS

CIP DECK INSERT ID	INSERT TYPE	NORTHING	EASTING
1-058	B32-I-12	565669.9547	1647712.9869
1-059	B32-I-12	565665.8949	1647712.8143
1-060	B32-I-12	565663.9175	1647712.7221
1-061	B32-I-12	565670.0426	1647715.9895
1-062	B32-I-12	565665.9086	1647715.8135
1-063	B32-I-12	565663.7871	1647715.7145
1-064	B32-I-12	565670.1839	1647718.9967
1-065	B32-I-12	565666.1865	1647718.8274
1-066	B32-I-12	565670.0858	1647721.4948
1-067	B32-I-12	565666.0884	1647721.3254
1-068	B32-I-8	565658.7171	1647611.9894
1-069	B32-I-8	565657.4893	1647611.9297
1-070	B32-I-8	565658.2518	1647615.8403
1-071	B32-I-8	565657.0241	1647615.7806
1-072	B32-I-8	565657.7693	1647619.8294
1-073	B32-I-8	565656.5416	1647619.7697
1-074	B32-I-8	565657.2847	1647623.8345
1-075	B32-I-8	565656.0570	1647623.7748
1-076	B32-I-8	565657.0572	1647627.7745
1-077	B32-I-8	565655.5821	1647627.7028
1-078	B32-I-8	565656.6570	1647631.7545
1-079	B32-I-8	565655.1819	1647631.6828
1-080	B32-I-8	565656.2568	1647635.7344
1-081	B32-I-8	565654.7817	1647635.6627
1-082	B32-I-8	565655.8566	1647639.7143
1-083	B32-I-8	565654.3815	1647639.6426
1-084	B32-I-8	565655.4564	1647643.6943
1-085	B32-I-8	565653.9812	1647643.6225
1-086	B32-I-8	565655.0561	1647647.6742
1-087	B32-I-8	565653.5810	1647647.6025
1-088	B32-I-8	565654.6559	1647651.6541
1-089	B32-I-8	565653.1808	1647651.5824
1-090	B32-I-8	565654.2557	1647655.6340
1-091	B32-I-8	565652.7806	1647655.5623
1-092	B32-I-8	565653.8555	1647659.6140
1-093	B32-I-8	565652.3804	1647659.5423
1-094	B32-I-8	565653.4553	1647663.5939
1-095	B32-I-8	565651.9802	1647663.5222
1-096	B32-I-8	565653.0551	1647667.5738
1-097	B32-I-8	565651.5799	1647667.5021
1-098	B32-I-8	565652.6548	1647671.5537
1-099	B32-I-8	565651.1797	1647671.4820
1-100	B32-I-8	565652.2546	1647675.5337
1-101	B32-I-8	565650.7795	1647675.4620
1-102	B32-I-8	565651.8544	1647679.5136
1-103	B32-I-8	565650.3793	1647679.4419
1-104	B32-I-8	565651.4542	1647683.4935
1-105	B32-I-8	565649.9791	1647683.4218
1-106	B32-I-8	565651.0540	1647687.4735
1-107	B32-I-8	565649.5789	1647687.4018
1-108	B32-I-8	565650.6538	1647691.4534
1-109	B32-I-8	565649.1786	1647691.3817
1-110	B32-I-8	565650.2535	1647695.4333
1-111	B32-I-8	565648.7784	1647695.3616
1-112	B32-I-8	565649.8533	1647699.4132
1-113	B32-I-8	565648.3782	1647699.3415
1-114	B32-I-8	565649.4531	1647703.3932

CIP DECK UTILITY HANGER INSERTS

CIP DECK INSERT ID	INSERT TYPE	NORTHING	EASTING
1-115	B32-I-8	565647.9780	1647703.3215
1-116	B32-I-8	565649.0529	1647707.3731
1-117	B32-I-8	565647.5778	1647707.3014
1-118	B32-I-8	565648.6527	1647711.3530
1-119	B32-I-8	565647.1776	1647711.2813
1-120	B32-I-8	565648.2525	1647715.3330
1-121	B32-I-8	565646.7774	1647715.2613
1-122	B32-I-8	565647.8523	1647719.3129
1-123	B32-I-8	565646.3771	1647719.2412
1-124	B32-I-8	565647.4520	1647723.2928
1-125	B32-I-8	565645.9769	1647723.2211
1-126	B32-I-8	565635.4789	1647717.3028
1-127	B32-I-8	565633.7303	1647717.4703
1-128	B32-I-8	565635.1193	1647721.9181
1-129	B32-I-8	565633.3707	1647722.0856
1-130	B32-I-8	565634.5782	1647725.4598
1-131	B32-I-8	565632.8296	1647725.6274
1-132	B32-I-8	565631.1368	1647721.7557
1-133	B32-I-8	565630.6857	1647725.4899
1-134	B32-I-8	565627.8880	1647721.0050
1-135	B32-I-8	565627.7025	1647722.5412
1-136	B32-I-8	565626.2005	1647724.1372
1-137	B32-I-8	565626.0149	1647725.6734
1-138	B32-I-8	565625.5759	1647723.8663
1-139	B32-I-8	565623.8272	1647724.0338
1-140	B32-I-8	565629.5060	1647725.7294
1-141a	3/4"-10 NC*	565635.3177	1647716.2422
1-141b	3/4"-10 NC*	565635.0144	1647716.3806
1-142a	3/4"-10 NC*	565635.9405	1647717.6068
1-142b	3/4"-10 NC*	565635.6373	1647717.7452
1-143a	3/4"-10 NC*	565631.3404	1647719.3113
1-143b	3/4"-10 NC*	565631.0781	1647719.5170
1-144a	3/4"-10 NC*	565632.2661	1647720.4917
1-144b	3/4"-10 NC*	565632.0038	1647720.6974
1-145a	3/4"-10 NC*	565627.2745	1647722.4997
1-145b	3/4"-10 NC*	565627.0121	1647722.7054
1-146a	3/4"-10 NC*	565628.2001	1647723.6801
1-146b	3/4"-10 NC*	565627.9378	1647723.8858
1-147a	3/4"-10 NC*	565628.3977	1647725.2887
1-147b	3/4"-10 NC*	565628.4452	1647725.6187
1-148a	3/4"-10 NC*	565626.9129	1647725.5023
1-148b	3/4"-10 NC*	565626.9604	1647725.8323

1

* 3/4"-10 NC STAINLESS STEEL F57 EXPANDED COIL FERRULE INSERT OR APPROVED EQUAL.

1-149 B32-I-6 565678.9278 1647644.6440
1-150 B32-I-6 565679.0385 1647648.6425
1-151 B32-I-6 565679.1492 1647652.6410
1-152 B32-I-6 565679.2600 1647656.6394
(FDC-000128)

1-153 B32-I-6 OR B32-I-8 FIELD INSTALLED
1-154 B32-I-6 OR B32-I-8 FIELD INSTALLED
(DRFI-000395)

NOTES:

5. AS-BUILT LOCATION OF SIP DRAINAGE BLOCKOUTS INCORPORATED IN DRAINAGE SHOP DRAWINGS. (DRFI-000241, DRFI-000261, DRFI-000276, DRFI-000308)

LIMITED TO AS-BUILT INFORMATION ONLY:

JOANNA K. SVOBODA — STATE OF WASHINGTON — 20017702 — REGISTERED PROFESSIONAL ENGINEER

NEW SHEET

0

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	01/29/21	SJD	KF	SJD	NDC-000052 - REVISED PENETRATION LOCATIONS
1	11/13/20	SJD	KF	SJD	NDC-000026 - CIP DECK HANGER INSERTS
0	09/28/20	SJD	KF	SJD	NDC-000027 - CIP DECK PENETRATIONS

DESIGNED BY: B. SVOBODA
DRAWN BY: A. SOLIZ
CHECKED BY: K. MAYTUM
APPROVED BY: S. DESPRADEL

ANDREW J. DESPRADEL — STATE OF WASHINGTON — 20017702 — REGISTERED PROFESSIONAL ENGINEER
1/29/21 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: NTS
FILENAME: 113B-B27-SRX105

RTS PEDESTRIAN BRIDGE

CIP DECK PENETRATION & HANGER INSERT LOCATIONS SHEET 1 OF 4

DRAWING No.: B27-SRX105
FACILITY ID: B27
SHEET No.: 113b
REV.: 2

RECORD DRAWING #23-2244

01/28/21 | 9:56 AM | OLGA.DEMCHENKO
C:\PROJECTWISE\WEBSDD\2025101\113B-B27-SRX105.DWG

XREF LIST:
rt3456-SBS-P3D-34.dwg
rt3456-SRX-1001.dwg

CIP DECK UTILITY HANGER INSERTS			
CIP DECK INSERT ID	INSERT TYPE	NORTHING	EASTING
2-001	B32-I-12	565667.8008	1647733.3504
2-002	B32-I-12	565666.7343	1647732.1854
2-003	B32-I-8	565589.2099	1647805.3919
2-004	B32-I-12	565587.1260	1647803.1137
2-005	B32-I-8	565586.2595	1647808.0929
2-006	B32-I-12	565584.1756	1647805.8147
2-007	B32-I-8	565542.4026	1647848.2491
2-008	B32-I-12	565540.3188	1647845.9709
2-009	B32-I-8	565536.8705	1647853.3136
2-010	B32-I-12	565534.7866	1647851.0354
2-011	B32-I-8	565531.3712	1647858.3479
2-012	B32-I-12	565529.2874	1647856.0697
2-013	B32-I-8	565654.0536	1647734.4141
2-014	B32-I-8	565580.1327	1647790.9250
2-015	B32-I-8	565577.9354	1647788.5248
2-016	B32-I-8	565575.2500	1647795.3949
2-017	B32-I-8	565573.0527	1647792.9947
2-018	B32-I-8	565569.3412	1647800.8002
2-019	B32-I-8	565567.1439	1647798.3999
2-020	B32-I-8	565516.9757	1647848.7389
2-021	B32-I-8	565514.7783	1647846.3387
2-022	B32-I-8	565512.0066	1647853.2812
2-023	B32-I-8	565509.8093	1647850.8810
2-024	B32-I-8	565509.0563	1647855.9822
2-025	B32-I-8	565506.8589	1647853.5820
2-026	B32-I-12	565625.9279	1647737.3869
2-027	B32-I-12	565571.0147	1647787.6551
2-028	B32-I-8	565568.9299	1647785.3778
2-029	B32-I-12	565568.0679	1647790.3545
2-030	B32-I-8	565565.9831	1647788.0772
2-031	B32-I-12	565506.6088	1647846.6191
2-032	B32-I-8	565504.5208	1647844.3366
2-033	B32-I-12	565500.6508	1647852.0734
2-034	B32-I-8	565498.5629	1647849.7909
2-035	B32-I-12	565494.6767	1647857.5425
2-036	B32-I-8	565492.5888	1647855.2600
2-037	B32-I-8	565489.6384	1647857.9610
2-038	B32-I-8	565612.9212	1647737.6503
2-039	B32-I-8	565611.0420	1647739.3707
2-040	B32-I-8	565609.3674	1647737.5414
2-041	B32-I-8	565490.4929	1647850.2080
2-042	B32-I-8	565488.2956	1647847.8077
2-043	B32-I-8	565486.0673	1647854.2594
2-044	B32-I-8	565483.8700	1647851.8592
2-045	B32-I-8	565481.5662	1647858.3779
2-046	B32-I-8	565479.3689	1647855.9777
2-047	B32-I-8	565477.5910	1647857.6074

CIP DECK UTILITY HANGER INSERTS			
CIP DECK INSERT ID	INSERT TYPE	NORTHING	EASTING
3-001	B32-I-8	565521.3160	1647867.5472
3-002	B32-I-12	565519.2322	1647865.2690
3-003	B32-I-8	565516.5806	1647871.9160
3-004	B32-I-12	565514.4968	1647869.6379
3-005	B32-I-8	565511.6847	1647876.3816
3-006	B32-I-12	565509.6009	1647874.1035
3-007	B32-I-8	565390.5696	1647987.2396
3-008	B32-I-12	565388.4844	1647984.9627
3-009	B32-I-8	565386.1443	1647991.2909
3-010	B32-I-12	565384.0590	1647989.0140
3-011	B32-I-8	565381.7189	1647995.3422
3-012	B32-I-12	565379.6336	1647993.0653
3-013	B32-I-12	565377.4209	1647995.0909
3-014	B32-I-8	565406.8564	1647960.9386
3-015	B32-I-8	565404.6591	1647958.5383
3-016	B32-I-8	565403.9060	1647963.6395
3-017	B32-I-8	565401.7087	1647961.2393
3-018	B32-I-8	565400.9556	1647966.3405
3-019	B32-I-8	565398.7583	1647963.9403
3-020	B32-I-8	565398.0053	1647969.0415
3-021	B32-I-8	565395.8079	1647966.6412
3-022	B32-I-8	565375.5001	1647989.6352
3-023	B32-I-8	565373.3027	1647987.2350
3-024	B32-I-8	565369.5993	1647995.0372
3-025	B32-I-8	565367.4020	1647992.6369
3-026	B32-I-8	565364.4517	1647995.3378
3-027	B32-I-8	565456.0580	1647904.5002
3-028	B32-I-8	565453.8607	1647902.0999
3-029	B32-I-8	565450.2036	1647909.8675
3-030	B32-I-8	565448.0062	1647907.4673
3-031	B32-I-8	565398.4792	1647957.2184
3-032	B32-I-8	565396.2819	1647954.8182
3-033	B32-I-8	565392.8972	1647962.3286
3-034	B32-I-8	565390.6999	1647959.9284
3-035	B32-I-8	565363.4319	1647989.2860
3-036	B32-I-8	565361.2346	1647986.8858
3-037	B32-I-8	565357.5311	1647994.6879
3-038	B32-I-8	565355.3338	1647992.2877
3-039	B32-I-8	565352.3836	1647994.9885
3-040	B32-I-12	565485.8600	1647865.6138
3-041	B32-I-12	565483.6637	1647867.6244
3-042	B32-I-8	565481.5801	1647865.3484
3-043	B32-I-12	565478.8894	1647871.9951
3-044	B32-I-8	565476.8058	1647869.7191
3-045	B32-I-12	565474.8126	1647875.7273
3-046	B32-I-8	565472.7290	1647873.4513
3-047	B32-I-12	565452.6860	1647895.9807
3-048	B32-I-8	565450.6012	1647893.7034
3-049	B32-I-12	565449.7438	1647898.6906
3-050	B32-I-8	565447.6508	1647896.4043
3-051	B32-I-12	565446.7934	1647901.3916
3-052	B32-I-8	565444.7004	1647899.1053
3-053	B32-I-12	565443.8331	1647904.0808
3-054	B32-I-8	565441.7500	1647901.8063

CIP DECK UTILITY HANGER INSERTS			
CIP DECK INSERT ID	INSERT TYPE	NORTHING	EASTING
3-055	B32-I-12	565393.6783	1647950.0000
3-056	B32-I-8	565391.5935	1647947.7227
3-057	B32-I-12	565390.7279	1647952.7010
3-058	B32-I-8	565388.6431	1647950.4237
3-059	B32-I-12	565387.7775	1647955.4020
3-060	B32-I-8	565385.6927	1647953.1247
3-061	B32-I-12	565384.8254	1647958.1001
3-062	B32-I-8	565382.7423	1647955.8256
3-063	B32-I-12	565351.6311	1647988.4883
3-064	B32-I-8	565349.5475	1647986.2124
3-065	B32-I-12	565345.7303	1647993.8903
3-066	B32-I-8	565343.6468	1647991.6143
3-067	B32-I-8	565340.6965	1647994.3152
3-068	B32-I-8	565473.5614	1647865.7081
3-069	B32-I-8	565471.1627	1647867.9040
3-070	B32-I-8	565468.9654	1647865.5038
3-071	B32-I-8	565465.9996	1647872.6307
3-072	B32-I-8	565463.8022	1647870.2305
3-073	B32-I-8	565460.8386	1647877.3554
3-074	B32-I-8	565458.6412	1647874.9552
3-075	B32-I-8	565342.8310	1647985.3867
3-076	B32-I-8	565340.6336	1647982.9864
3-077	B32-I-8	565340.0851	1647987.9004
3-078	B32-I-8	565337.8878	1647985.5002
3-079	B32-I-8	565335.0470	1647992.5125
3-080	B32-I-8	565332.8497	1647990.1123
3-081	B32-I-8	565332.8343	1647994.5383
3-082	B32-I-8	565330.6369	1647992.1380

3-083 B32-I-8 565392.5306 1647993.4520
3-084 B32-I-8 565389.5802 1647996.1529
3-085 B32-I-8 565386.6299 1647998.8539
(FDC-000128)

4-060 B32-I-8 565234.5951 1648137.0555
4-061 B32-I-8 565230.1508 1648134.1257
4-062 B32-I-8 565227.9392 1648131.7099
4-063 B32-I-8 565224.4734 1648127.9241
4-064 B32-I-8 565222.2618 1648126.5082
4-065 B32-I-8 565218.8038 1648121.7309
4-066 B32-I-8 565216.5922 1648119.3150
4-067 B32-I-8 565213.1323 1648115.5357
4-068 B32-I-8 565210.9207 1648113.1198
4-069 B32-I-8 565207.9769 1648108.8432
4-070 B32-I-8 565205.7653 1648106.4274
4-071 B32-I-8 565204.2565 1648107.8067
(FDC-000145)

4-056 B32-I-8 565383.6795 1648001.5549
4-057 B32-I-8 565380.7291 1648004.2558
4-058 B32-I-8 565377.7787 1648006.9568
4-059 B32-I-8 565374.8283 1648009.6578
(FDC-000128)

CIP DECK UTILITY HANGER INSERTS			
CIP DECK INSERT ID	INSERT TYPE	NORTHING	EASTING
4-001	B32-I-8	565369.6070	1648006.3987
4-002	B32-I-12	565367.5217	1648004.1218
4-003	B32-I-8	565365.1816	1648010.4500
4-004	B32-I-12	565363.0963	1648008.1731
4-005	B32-I-8	565360.7558	1648014.5016
4-006	B32-I-12	565358.6706	1648012.2247
4-007	B32-I-8	565358.1438	1648016.8510
4-008	B32-I-12	565356.0586	1648014.5742
4-009	B32-I-8	565238.5127	1648115.0547
4-010	B32-I-8	565236.3188	1648112.6582
4-011	B32-I-8	565236.2999	1648117.0804
4-012	B32-I-8	565234.1060	1648114.6839
4-013	B32-I-8	565234.0872	1648119.1061
4-014	B32-I-8	565231.8933	1648116.7096
4-015	B32-I-8	565231.1377	1648121.8063
4-016	B32-I-8	565228.9437	1648119.4097
4-017	B32-I-8	565345.5799	1648005.6288
4-018	B32-I-8	565343.3826	1648003.2286
4-019	B32-I-8	565342.6297	1648008.3296
4-020	B32-I-8	565340.4324	1648005.9294
4-021	B32-I-8	565337.8835	1648012.6746
4-022	B32-I-8	565335.6862	1648010.2743
4-023	B32-I-8	565285.9470	1648060.2425
4-024	B32-I-8	565283.7497	1648057.8423
4-025	B32-I-8	565280.0466	1648065.6431
4-026	B32-I-8	565277.8493	1648063.2429
4-027	B32-I-8	565230.1244	1648111.3520
4-028	B32-I-8	565227.9271	1648108.9518
4-029	B32-I-8	565225.9855	1648115.1417
4-030	B32-I-8	565223.7881	1648112.7414
4-031	B32-I-12	565335.4684	1648003.2760
4-032	B32-I-12	565332.5313	1648005.9770
4-033	B32-I-8	565330.4457	1648003.6994
4-034	B32-I-12	565326.6288	1648011.3770
4-035	B32-I-8	565324.5449	1648009.1013
4-036	B32-I-8	565280.2755	1648054.0456
4-037	B32-I-8	565278.0782	1648051.6454
4-038	B32-I-8	565277.3251	1648056.7465
4-039	B32-I-8	565275.1278	1648054.3463
4-040	B32-I-8	565274.3747	1648059.4475
4-041	B32-I-8	565272.1774	1648057.0473
4-042	B32-I-8	565271.4249	1648062.1490
4-043	B32-I-8	565269.2275	1648059.7487
4-044	B32-I-8	565227.1718	1648102.6665
4-045	B32-I-8	565224.9745	1648100.2663
4-046	B32-I-8	565223.4845	1648106.0416
4-047	B32-I-8	565221.2872	1648103.6414
4-048	B32-I-8	565219.7965	1648109.4178
4-049	B32-I-8	565217.5992	1648107.0176
4-050	B32-I-8	565320.8143	1648005.5421
4-051	B32-I-8	565318.6170	1648003.1418
4-052	B32-I-8	565318.3546	1648007.7938
4-053	B32-I-8	565316.1573	1648005.3936
4-054	B32-I-8	565313.9359	1648011.8390
4-055	B32-I-8	565311.7386	1648009.4387

CIP DECK UTILITY HANGER INSERTS			
CIP DECK INSERT ID	INSERT TYPE	NORTHING	EASTING
5-001	B32-I-12	565219.5564	1648138.7176
5-002	B32-I-12	565217.5531	1648136.6549
5-003	B32-I-12	565213.1770	1648132.2331
5-004	B32-I-12	565217.0583	1648140.3641
5-005	B32-I-12	565214.2856	1648137.5091
5-006	B32-I-12	565212.7015	1648135.8802
5-007	B32-I-12	565215.3799	1648141.4483
5-008	B32-I-12	565213.1476	1648139.1499
5-009	B32-I-12	565211.0175	1648136.9587
5-010	B32-I-12	565212.1003	1648143.5880
5-011	B32-I-12	565209.8681	1648141.2895
5-012	B32-I-12	565207.8599	1648139.2237
5-013	B32-I-12	565208.8208	1648145.7276
5-014	B32-I-12	565206.5886	1648143.4292
5-015	B32-I-12	565204.6814	1648141.4672
5-016	B32-I-12	565205.3475	1648148.0289
5-017	B32-I-12	565203.1153	1648145.7304
5-018	B32-I-12	565201.3685	1648143.9333
5-019	B32-I-12	565202.0154	1648150.2063
5-020	B32-I-12	565199.9049	1648148.0332
5-021	B32-I-12	565198.1702	1648146.2484
5-022	B32-I-12	565198.2223	1648152.6916
5-023	B32-I-12	565196.2330	1648150.6433
5-024	B32-I-12	565194.4983	1648148.8585
5-025	B32-I-12	565194.9127	1648154.8720
5-026	B32-I-12	565193.0606	1648152.9650
5-027	B32-I-12	565191.3260	1648151.1802
5-028	B32-I-12	565191.6031	1648157.0524
5-029	B32-I-12	565189.6137	1648155.0040
5-030	B32-I-12	565188.1750	1648153.5247
5-031	B32-I-12	565188.1900	1648159.2722
5-032	B32-I-12	565186.2953	1648157.3213
5-033	B32-I-12	565184.8980	1648155.8860
5-034	B32-I-12	565184.8459	1648161.4657
5-035	B32-I-12	565183.0437	1648159.6101
5-036	B32-I-12	565181.7178	1648158.2462
5-037	B32-I-12	565181.5018	1648163.6593
5-038	B32-I-12	565178.5066	1648160.5774
5-039	B32-I-12	565178.1577	1648165.8528
5-040	B32-I-12	565175.2824	1648162.8922
5-041	B32-I-12	565175.0129	1648167.9763
5-042	B32-I-12	565172.2204	1648165.1031
5-043	B32-I-12	565171.2506	1648170.4200
5-044	B32-I-12	565168.6196	1648167.7129
5-045	B32-I-12	565167.9135	1648172.5532
5-046	B32-I-12	565165.3752	1648169.9414
5-047	B32-I-12	565164.6159	1648174.7271
5-048	B32-I-12	565162.2284	1648172.2705
5-049	B32-I-12	565161.3183	1648176.9010
5-050	B32-I-12	565159.0600	1648174.5772
5-051	B32-I-12	565158.0104	1648179.0643
5-052	B32-I-12	565155.8489	1648176.8401
5-053	B32-I-12	565154.7129	1648181.2382
5-054	B32-I-12	565152.6485	1648179.1140
5-055	B32-I-12	565151.3688	1648183.4317

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA
STATE OF WASHINGTON
21611
REGISTERED
PROFESSIONAL ENGINEER

NEW SHEET

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
0	11/13/20	SJD	KF	SJD	NDC-000026 - CIP DECK HANGER INSERTS

DESIGNED BY: B. SVOBODA
DRAWN BY: A. SOLIZ
CHECKED BY: K. MAYTUM
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL
STATE OF WASHINGTON
PROFESSIONAL ENGINEER
11/13/20 EXP: 3/15/21

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: NTS
FILENAME: 113C-B27-SRX106

RTS PEDESTRIAN BRIDGE

CIP DECK PENETRATION & HANGER INSERT LOCATIONS
SHEET 2 OF 4

DRAWING No.: B27-SRX106
FACILITY ID: B27
SHEET No.: 113c
REV.:

RECORD DRAWING #23-2245

11/11/20 | 10:03 PM | ALYSSA.SOLIZ
C:\PROJECTWISE\WEBSDD\2259101\113C-B27-SRX106.DWG

INSTALL 2EA INSERTS 4 FEET UPSTATION. (DRFI-000306)

INSTALL 2EA INSERTS 4 FEET DOWNSTATION. (DRFI-000306)

SHIFT INSERTS 6" DOWNSTATION. (DRFI-000306)

SHIFT INSERTS 6" UPSTATION. (DRFI-000306)

CIP DECK UTILITY HANGER INSERTS

CIP DECK INSERT ID	INSERT TYPE	NORTHING	EASTING
5-056	B32-I-12	565149.5692	1648181.5801
5-057	B32-I-12	565148.0247	1648185.6253
5-058	B32-I-12	565146.4933	1648184.0498
~~5-059~~	~~B32-I-12~~	~~565143.6773~~	~~1648188.4768~~
~~5-060~~	~~B32-I-12~~	~~565142.4927~~	~~1648187.2583~~
5-061	B32-I-12	565138.6612	1648191.7671
5-062	B32-I-12	565137.8707	1648190.9569
5-063	B32-I-12	565206.1012	1648123.8177
5-064	B32-I-12	565203.1403	1648120.7689
5-065	B32-I-12	565203.5030	1648126.0173
5-066	B32-I-12	565200.5420	1648122.9685
5-067	B32-I-12	565201.5716	1648127.6522
5-068	B32-I-12	565198.6106	1648124.6034
5-069	B32-I-12	565198.5191	1648130.2363
5-070	B32-I-12	565195.5581	1648127.1875
5-071	B32-I-12	565195.4665	1648132.8203
5-072	B32-I-12	565192.5055	1648129.7715
5-073	B32-I-12	565192.4140	1648135.4044
5-074	B32-I-12	565189.4530	1648132.3556
5-075	B32-I-12	565189.0545	1648138.2484
5-076	B32-I-12	565186.0935	1648135.1996
5-077	B32-I-12	565185.4249	1648140.2873
5-078	B32-I-12	565183.0148	1648137.8057
5-079	B32-I-12	565182.3724	1648142.8714
5-080	B32-I-12	565179.9623	1648140.3898
5-081	B32-I-12	565179.3199	1648145.4555
5-082	B32-I-12	565176.9098	1648142.9739
5-083	B32-I-12	565176.2673	1648148.0395
5-084	B32-I-12	565173.8572	1648145.5579
5-085	B32-I-12	565173.2148	1648150.6236
5-086	B32-I-12	565170.8047	1648148.1420
5-087	B32-I-12	565170.1623	1648153.2076
5-088	B32-I-12	565167.7522	1648150.7260
5-089	B32-I-12	565167.1097	1648155.7917
5-090	B32-I-12	565164.6996	1648153.3101
5-091	B32-I-12	565164.0869	1648158.3506
5-092	B32-I-12	565161.6768	1648155.8690
5-093	B32-I-12	565160.9403	1648160.8459
5-094	B32-I-12	565158.6199	1648158.4567
5-095	B32-I-12	565157.8189	1648163.3530
5-096	B32-I-12	565155.5706	1648161.0381
5-097	B32-I-12	565154.6963	1648165.8590
5-098	B32-I-12	565152.5212	1648163.6194
5-099	B32-I-12	565151.5708	1648168.3620
5-100	B32-I-12	565149.4718	1648166.2008
5-101	B32-I-12	565148.9990	1648170.4370
5-102	B32-I-12	565146.9001	1648168.2758
5-103	B32-I-12	565146.2818	1648172.6510
5-104	B32-I-12	565144.1828	1648170.4898
5-105	B32-I-12	565142.7493	1648175.4405
5-106	B32-I-12	565140.8090	1648173.4427
5-107	B32-I-12	565139.6531	1648177.9645
5-108	B32-I-12	565137.9587	1648176.2271
5-109	B32-I-12	565136.5271	1648180.4651
5-110	B32-I-12	565135.1001	1648178.9998

CIP DECK UTILITY HANGER INSERTS

CIP DECK INSERT ID	INSERT TYPE	NORTHING	EASTING
5-111	B32-I-12	565133.4008	1648182.9657
5-112	B32-I-12	565132.2481	1648181.7856
5-113	B32-I-12	565130.2853	1648185.4771
5-114	B32-I-12	565129.3882	1648184.5544
5-115	B32-I-8	565210.0340	1648125.5742
5-116	B32-I-8	565208.8207	1648130.7801
5-117	B32-I-8	565205.9842	1648127.8649
5-118	B32-I-8	565206.4711	1648132.6672
5-119	B32-I-8	565203.6346	1648129.7520
5-120	B32-I-8	565203.5338	1648135.0263
5-121	B32-I-8	565200.6973	1648132.1111
5-122	B32-I-8	565200.4010	1648137.5424
5-123	B32-I-8	565197.5645	1648134.6272
5-124	B32-I-8	565197.2682	1648140.0586
5-125	B32-I-8	565194.4317	1648137.1433
5-126	B32-I-8	565194.1354	1648142.5747
5-127	B32-I-8	565191.2989	1648139.6595
5-128	B32-I-8	565191.0026	1648145.0908
5-129	B32-I-8	565188.1661	1648142.1756
5-130	B32-I-8	565169.0730	1648162.7038
5-131	B32-I-8	565166.2365	1648159.7886
5-132	B32-I-8	565165.9402	1648165.2200
5-133	B32-I-8	565163.1037	1648162.3047

CIP DECK UTILITY HANGER INSERTS

CIP DECK INSERT ID	INSERT TYPE	NORTHING	EASTING
6-001	B32-I-8	565132.0915	1648197.7374
6-002	B32-I-12	565131.2326	1648196.9251
6-003	B32-I-8	565129.3435	1648200.6433
6-004	B32-I-12	565128.4846	1648199.8311
6-005	B32-I-8	565126.5966	1648203.5503
6-006	B32-I-12	565125.7377	1648202.7381
6-007	B32-I-8	565123.8475	1648206.4552
6-008	B32-I-12	565122.9886	1648205.6430
6-009	B32-I-8	565120.0714	1648210.4532
6-010	B32-I-12	565119.2125	1648209.6409
6-011	B32-I-8	565117.3210	1648213.3568
6-012	B32-I-12	565116.4621	1648212.5446
6-013	B32-I-8	565114.5730	1648216.2627
6-014	B32-I-12	565113.7140	1648215.4505
6-015	B32-I-8	565111.8291	1648219.1726
6-016	B32-I-12	565110.9702	1648218.3604
6-017	B32-I-8	565109.0816	1648222.0791
6-018	B32-I-12	565108.2227	1648221.2668
6-019	B32-I-8	565106.3342	1648224.9855
6-020	B32-I-12	565105.4753	1648224.1733
6-021	B32-I-8	565103.5867	1648227.8920
6-022	B32-I-12	565102.7278	1648227.0798
6-023	B32-I-8	565099.4656	1648232.2517
6-024	B32-I-12	565098.6066	1648231.4395
6-025	B32-I-8	565096.7181	1648235.1582
6-026	B32-I-12	565095.8592	1648234.3459
6-027	B32-I-8	565093.9707	1648238.0647
6-028	B32-I-12	565093.1117	1648237.2524
6-029	B32-I-8	565091.2232	1648240.9711
6-030	B32-I-12	565090.3643	1648240.1589
6-031	B32-I-8	565088.4758	1648243.8776
6-032	B32-I-12	565087.6168	1648243.0654
6-033	B32-I-8	565085.7283	1648246.7841
6-034	B32-I-12	565084.8694	1648245.9718
6-035	B32-I-8	565082.9809	1648249.6905
6-036	B32-I-12	565082.1219	1648248.8783
6-037	B32-I-8	565080.5768	1648252.2337
6-038	B32-I-12	565079.7179	1648251.4215
6-039	B32-I-8	565077.1425	1648255.8668
6-040	B32-I-12	565076.2836	1648255.0546
6-041	B32-I-8	565074.3951	1648258.7733
6-042	B32-I-12	565073.5361	1648257.9610
6-043	B32-I-8	565124.8070	1648190.8514
6-044	B32-I-12	565123.9619	1648190.0522
6-045	B32-I-8	565122.0596	1648193.7579
6-046	B32-I-12	565121.2145	1648192.9587
6-047	B32-I-8	565119.3121	1648196.6644
6-048	B32-I-12	565118.4670	1648195.8652
6-049	B32-I-8	565116.5647	1648199.5708
6-050	B32-I-12	565115.7196	1648198.7716
6-051	B32-I-8	565112.7869	1648203.5672
6-052	B32-I-12	565111.9418	1648202.7680
6-053	B32-I-8	565110.0395	1648206.4737
6-054	B32-I-12	565109.1944	1648205.6745
6-055	B32-I-8	565107.2920	1648209.3802

CIP DECK UTILITY HANGER INSERTS

CIP DECK INSERT ID	INSERT TYPE	NORTHING	EASTING
6-056	B32-I-12	565106.4469	1648208.5810
6-057	B32-I-8	565104.5446	1648212.2866
6-058	B32-I-12	565103.6995	1648211.4874
6-059	B32-I-8	565101.7971	1648215.1931
6-060	B32-I-12	565100.9520	1648214.3939
6-061	B32-I-8	565099.0497	1648218.0996
6-062	B32-I-12	565098.2046	1648217.3004
6-063	B32-I-8	565096.3022	1648221.0061
6-064	B32-I-12	565095.4571	1648220.2069
6-065	B32-I-8	565092.1811	1648225.3658
6-066	B32-I-12	565091.3359	1648224.5666
6-067	B32-I-8	565089.4336	1648228.2722
6-068	B32-I-12	565088.5885	1648227.4730
6-069	B32-I-8	565086.6862	1648231.1787
6-070	B32-I-12	565085.8410	1648230.3795
6-071	B32-I-8	565083.9387	1648234.0852
6-072	B32-I-12	565083.0936	1648233.2860
6-073	B32-I-8	565081.1913	1648236.9916
6-074	B32-I-12	565080.3461	1648236.1924
6-075	B32-I-8	565078.4438	1648239.8981
6-076	B32-I-12	565077.5987	1648239.0989
6-077	B32-I-8	565075.6963	1648242.8046
6-078	B32-I-12	565074.8512	1648242.0054
6-079	B32-I-8	565073.2923	1648245.3477
6-080	B32-I-12	565072.4472	1648244.5486
6-081	B32-I-8	565069.8580	1648248.9808
6-082	B32-I-12	565069.0129	1648248.1816
6-083	B32-I-8	565068.1409	1648250.7974
6-084	B32-I-12	565067.2957	1648249.9982

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 21600 — REGISTERED PROFESSIONAL ENGINEER

△0 NEW SHEET

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	11/24/20	SJD	KF	SJD	NDC-000053 - FDC-099 INSERTS ABOVE GIRDER
0	11/13/20	SJD	KF	SJD	NDC-000026 - CIP DECK HANGER INSERTS

DESIGNED BY: B. SVOBODA
DRAWN BY: A.SOLIZ
CHECKED BY: K. MAYTUM
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — 21600 — PROFESSIONAL ENGINEER
11/24/20 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN — DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA — DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond — WASHINGTON

SCALE: NTS
FILENAME: 113D-B27-SRX107
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

CIP DECK PENETRATION & HANGER INSERT LOCATIONS
SHEET 3 OF 4

DRAWING No.: B27-SRX107
FACILITY ID: B27
SHEET No.: 113d
REV: 1

RECORD DRAWING #23-2246

11/23/20 11:43 PM | ALYSSA.SOLIZ
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XREF LIST:
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rEMX-SRX-SDV100.dwg

CIP DECK UTILITY HANGER INSERTS			
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7-001	B32-I-8	565068.7379	1648264.7839
7-002	B32-I-12	565067.8789	1648263.9717
7-003	B32-I-8	565065.9904	1648267.6904
7-004	B32-I-12	565065.1315	1648266.8781
7-005	B32-I-8	565063.2430	1648270.5969
7-006	B32-I-12	565062.3840	1648269.7846
7-007	B32-I-8	565060.1521	1648273.8666
7-008	B32-I-12	565059.2932	1648273.0544
7-009	B32-I-8	565055.6875	1648278.5896
7-010	B32-I-12	565054.8286	1648277.7774
7-011	B32-I-8	565052.9400	1648281.4961
7-012	B32-I-12	565052.0811	1648280.6839
7-013	B32-I-8	565050.1926	1648284.4026
7-014	B32-I-12	565049.3337	1648283.5903
7-015	B32-I-8	565047.4451	1648287.3091
7-016	B32-I-12	565046.5862	1648286.4968
7-017	B32-I-8	565044.6977	1648290.2155
7-018	B32-I-12	565043.8388	1648289.4033
7-019	B32-I-8	565041.9502	1648293.1220
7-020	B32-I-12	565041.0913	1648292.3098
7-021	B32-I-8	565039.5462	1648295.6652
7-022	B32-I-12	565038.6873	1648294.8529
7-023	B32-I-8	565035.0816	1648300.3882
7-024	B32-I-12	565034.2227	1648299.5759
7-025	B32-I-8	565032.3342	1648303.2946
7-026	B32-I-12	565031.4752	1648302.4824
7-027	B32-I-8	565029.5867	1648306.2011
7-028	B32-I-12	565028.7278	1648305.3889
7-029	B32-I-8	565026.8393	1648309.1076
7-030	B32-I-12	565025.9803	1648308.2953
7-031	B32-I-8	565024.0918	1648312.0140
7-032	B32-I-12	565023.2329	1648311.2018
7-033	B32-I-8	565021.3444	1648314.9205
7-034	B32-I-12	565020.4854	1648314.1083
7-035	B32-I-8	565018.7686	1648317.6453
7-036	B32-I-12	565017.9097	1648316.8331
7-037	B32-I-8	565017.3949	1648319.0986
7-038	B32-I-12	565016.5360	1648318.2863
7-039	B32-I-8	565061.4296	1648257.8754
7-040	B32-I-8	565060.4851	1648256.9822
7-041	B32-I-8	565058.6821	1648260.7818
7-042	B32-I-8	565057.7377	1648259.8887
7-043	B32-I-8	565055.9347	1648263.6883
7-044	B32-I-8	565054.9902	1648262.7951
7-045	B32-I-8	565052.8438	1648266.9581
7-046	B32-I-8	565051.8993	1648266.0649
7-047	B32-I-8	565048.3792	1648271.6811
7-048	B32-I-8	565047.4347	1648270.7879
7-049	B32-I-8	565045.6318	1648274.5876
7-050	B32-I-8	565044.6873	1648273.6944
7-051	B32-I-8	565042.8843	1648277.4940
7-052	B32-I-8	565041.9398	1648276.6009
7-053	B32-I-8	565040.1369	1648280.4005
7-054	B32-I-8	565039.1924	1648279.5073
7-055	B32-I-8	565037.3894	1648283.3070

CIP DECK UTILITY HANGER INSERTS			
CIP DECK INSERT ID	INSERT TYPE	NORTHING	EASTING
7-056	B32-I-8	565036.4449	1648282.4138
7-057	B32-I-8	565034.6420	1648286.2134
7-058	B32-I-8	565033.6975	1648285.3203
7-059	B32-I-8	565032.2379	1648288.7566
7-060	B32-I-8	565031.2935	1648287.8634
7-061	B32-I-8	565027.7733	1648293.4796
7-062	B32-I-8	565026.8288	1648292.5865
7-063	B32-I-8	565025.0259	1648296.3861
7-064	B32-I-8	565024.0814	1648295.4929
7-065	B32-I-8	565022.2784	1648299.2926
7-066	B32-I-8	565021.3339	1648298.3994
7-067	B32-I-8	565019.5310	1648302.1990
7-068	B32-I-8	565018.5865	1648301.3059
7-069	B32-I-8	565016.7835	1648305.1055
7-070	B32-I-8	565015.8390	1648304.2123
7-071	B32-I-8	565014.0361	1648308.0120
7-072	B32-I-8	565013.0916	1648307.1188
7-073	B32-I-8	565011.4603	1648310.7368
7-074	B32-I-8	565010.5159	1648309.8436
7-075	B32-I-8	565010.0866	1648312.1900
7-076	B32-I-8	565009.1421	1648311.2969

CIP DECK UTILITY HANGER INSERTS			
CIP DECK INSERT ID	INSERT TYPE	NORTHING	EASTING
8-001	B32-I-8	565007.1449	1648329.9155
8-002	B32-I-12	565006.2860	1648329.1033
8-003	B32-I-8	565004.3982	1648332.8211
8-004	B32-I-12	565003.5394	1648332.0089
8-005	B32-I-8	565001.6516	1648335.7267
8-006	B32-I-12	565000.7927	1648334.9145
8-007	B32-I-8	564998.5616	1648338.9955
8-008	B32-I-12	564997.7028	1648338.1833
8-009	B32-I-8	564994.3043	1648343.4992
8-010	B32-I-12	564993.4455	1648342.6870
8-011	B32-I-8	564991.5577	1648346.4049
8-012	B32-I-12	564990.6988	1648345.5927
8-013	B32-I-8	564988.8110	1648349.3105
8-014	B32-I-12	564987.9522	1648348.4983
8-015	B32-I-8	564986.0644	1648352.2161
8-016	B32-I-12	564985.2055	1648351.4039
8-017	B32-I-8	564983.3178	1648355.1217
8-018	B32-I-12	564982.4589	1648354.3095
8-019	B32-I-8	564980.5711	1648358.0273
8-020	B32-I-12	564979.7123	1648357.2151
8-021	B32-I-8	564977.8245	1648360.9329
8-022	B32-I-12	564976.9656	1648360.1207
8-023	B32-I-8	564975.0778	1648363.8385
8-024	B32-I-12	564974.2190	1648363.0264
8-025	B32-I-8	564972.3312	1648366.7442
8-026	B32-I-12	564971.4723	1648365.9320
8-027	B32-I-8	564969.5845	1648369.6498
8-028	B32-I-12	564968.7257	1648368.8376
8-029	B32-I-8	564966.8379	1648372.5554
8-030	B32-I-12	564965.9790	1648371.7432
8-031	B32-I-8	564964.0913	1648375.4610
8-032	B32-I-12	564963.2324	1648374.6488
8-033	B32-I-8	564961.3446	1648378.3666
8-034	B32-I-12	564960.4858	1648377.5544
8-035	B32-I-8	564958.5980	1648381.2722
8-036	B32-I-12	564957.7391	1648380.4601
8-037	B32-I-8	564955.8513	1648384.1779
8-038	B32-I-12	564954.9925	1648383.3657
8-039	B32-I-8	564953.1047	1648387.0835
8-040	B32-I-12	564952.2458	1648386.2713
8-041	B32-I-8	564950.3580	1648389.9891
8-042	B32-I-12	564949.4992	1648389.1769
8-043	B32-I-8	564947.6114	1648392.8947
8-044	B32-I-12	564946.7525	1648392.0825
8-045	B32-I-8	564944.8648	1648395.8003
8-046	B32-I-12	564944.0059	1648394.9881
8-047	B32-I-8	564941.4315	1648399.4323
8-048	B32-I-12	564940.5726	1648398.6202
8-049	B32-I-8	564990.8947	1648332.0376
8-050	B32-I-8	564990.1681	1648331.3505
8-051	B32-I-8	564989.5215	1648333.4902
8-052	B32-I-8	564988.7949	1648332.8032
8-053	B32-I-8	564986.7750	1648336.3956
8-054	B32-I-8	564986.0485	1648335.7085
8-055	B32-I-8	564984.0286	1648339.3010

CIP DECK UTILITY HANGER INSERTS			
CIP DECK INSERT ID	INSERT TYPE	NORTHING	EASTING
8-056	B32-I-8	564983.3021	1648338.6139
8-057	B32-I-8	564981.2822	1648342.2064
8-058	B32-I-8	564980.5556	1648341.5193
8-059	B32-I-8	564978.5358	1648345.1118
8-060	B32-I-8	564977.8092	1648344.4247
8-061	B32-I-8	564975.7894	1648348.0172
8-062	B32-I-8	564975.0628	1648347.3301
8-063	B32-I-8	564973.0429	1648350.9225
8-064	B32-I-8	564972.3164	1648350.2355
8-065	B32-I-8	564970.2965	1648353.8279
8-066	B32-I-8	564969.5699	1648353.1408
8-067	B32-I-8	564967.5501	1648356.7333
8-068	B32-I-8	564966.8235	1648356.0462
8-069	B32-I-8	564964.8037	1648359.6387
8-070	B32-I-8	564964.0771	1648358.9516
8-071	B32-I-8	564962.0572	1648362.5441
8-072	B32-I-8	564961.3307	1648361.8570
8-073	B32-I-8	564959.3108	1648365.4495
8-074	B32-I-8	564958.5843	1648364.7624
8-075	B32-I-8	564956.5644	1648368.3548
8-076	B32-I-8	564955.8378	1648367.6677
8-077	B32-I-8	564953.8180	1648371.2602
8-078	B32-I-8	564953.0914	1648370.5731
8-079	B32-I-8	564951.0716	1648374.1656
8-080	B32-I-8	564950.3450	1648373.4785
8-081	B32-I-8	564948.3251	1648377.0710
8-082	B32-I-8	564947.5986	1648376.3839
8-083	B32-I-8	564945.5787	1648379.9764
8-084	B32-I-8	564944.8521	1648379.2893
8-085	B32-I-8	564942.8323	1648382.8817
8-086	B32-I-8	564942.1057	1648382.1947
8-087	B32-I-8	564940.0859	1648385.7871
8-088	B32-I-8	564939.3593	1648385.1000
8-089	B32-I-8	564937.3394	1648388.6925
8-090	B32-I-8	564936.6129	1648388.0054
8-091	B32-I-8	564934.5930	1648391.5979
8-092	B32-I-8	564933.8665	1648390.9108
8-093	B32-I-8	564931.8466	1648394.5033
8-094	B32-I-8	564931.1200	1648393.8162
8-095	B32-I-8	564929.1002	1648397.4087
8-096	B32-I-8	564928.3736	1648396.7216
8-097	B32-I-8	564927.0404	1648399.5877
8-098	B32-I-8	564926.3138	1648398.9006
8-099	1/2"-13 NC*	564916.2292	1648396.6020
8-100	1/2"-13 NC*	564914.9125	1648397.9949

* 1/2"-13 NC STAINLESS STEEL F42 LOOP FERRULE INSERT OR APPROVED EQUAL.

NEW SHEET

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
0	11/13/20	SJD	KF	SJD	NDC-000026 - CIP DECK HANGER INSERTS

DESIGNED BY: B. SVOBODA
DRAWN BY: A. SOLIZ
CHECKED BY: K. MAYTUM
APPROVED BY: S. DESPRADEL

STATE OF WASHINGTON — STEPHEN J. DESPRADEL — PROFESSIONAL ENGINEER — 11/13/20 — EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN — DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA — DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: NTS
FILENAME: 113E-B27-SRX108
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

CIP DECK PENETRATION & HANGER INSERT LOCATIONS
SHEET 4 OF 4

DRAWING No.: **B27-SRX108**
FACILITY ID: B27
SHEET No.: 113e
REV:

RECORD DRAWING #23-2247

01/05/21 | 11:24 PM | ALYSSA.SOLIZ
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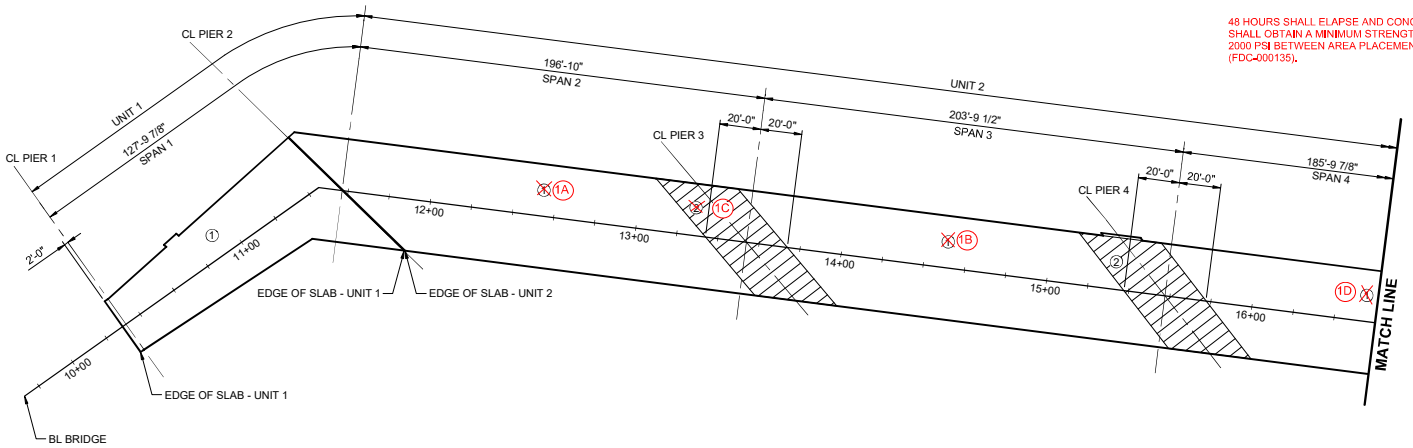
PLACEMENT OF UNIT 2 DECK AREAS SHALL BE IN THE NUMERICAL AND ALPHABETICAL SEQUENCE SHOWN (FDC-000135).

48 HOURS SHALL ELAPSE AND CONCRETE SHALL OBTAIN A MINIMUM STRENGTH OF 2000 PSI BETWEEN AREA PLACEMENTS (FDC-000135).

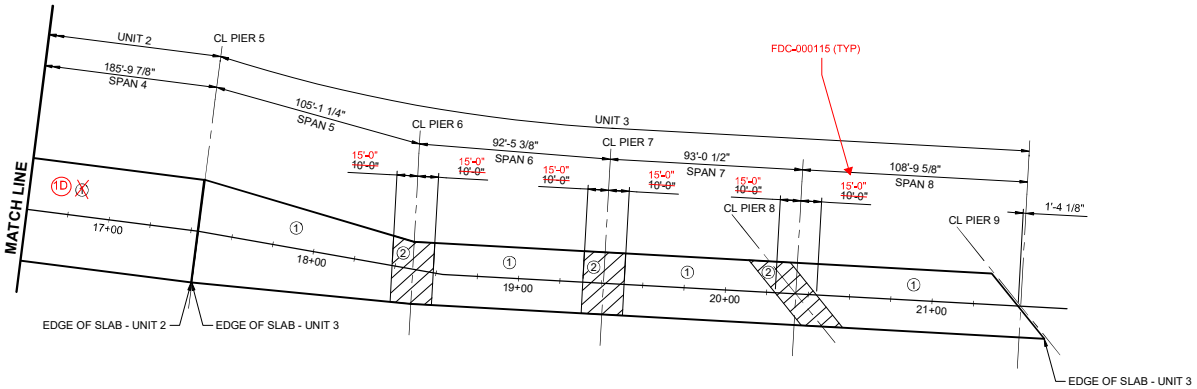
NOTES:

1. ALL DIMENSIONS ARE MEASURED ALONG BASELINE BRIDGE.
2. ALL AREA ① LOCATIONS SHALL BE PLACED PRIOR TO AREA ② PLACEMENT. ALL UNITS MAY BE POURED INDEPENDENTLY OF EACH OTHER OR AT THE SAME TIME. TRAFFIC BARRIERS SHALL NOT BE PLACED UNTIL DECK SLAB POURS ARE COMPLETED AND REQUIRED CONCRETE STRENGTH HAS BEEN ACHIEVED IN A UNIT.
3. A MAXIMUM OF 90 DAYS WILL BE ALLOWED BETWEEN TEMPORARY STRAND REMOVAL AND PRECAST PANEL INSTALLATION.



SLAB POUR SEQUENCE PLAN

SCALE: 1" = 30'



SLAB POUR SEQUENCE PLAN

SCALE: 1" = 30'

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENDA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

SCALE IN FEET: 30 15 0 30 60

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	10/28/20	SJD	KF	SJD	NDC-000042 - CONSTRUCTION SEQUENCING
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JARED J. DESPRADEL — STATE OF WASHINGTON — 21826 — PROFESSIONAL ENGINEER — 10/28/20 — EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1" = 30'
FILENAME: 114-B27-SSP100

CityofRedmond

RTS PEDESTRIAN BRIDGE

SLAB POUR SEQUENCE

DRAWING No.: **B27-SSP100**
FACILITY ID: B27
SHEET No.: 114
REV.: 1

RECORD DRAWING #23-2248

PREFLIST:
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tEMS-BIC-SSP10.dwg
tEMS-BIC-SDI-100.dwg

10/27/20 | 8:05 PM | ALYSSA.SOLIZ
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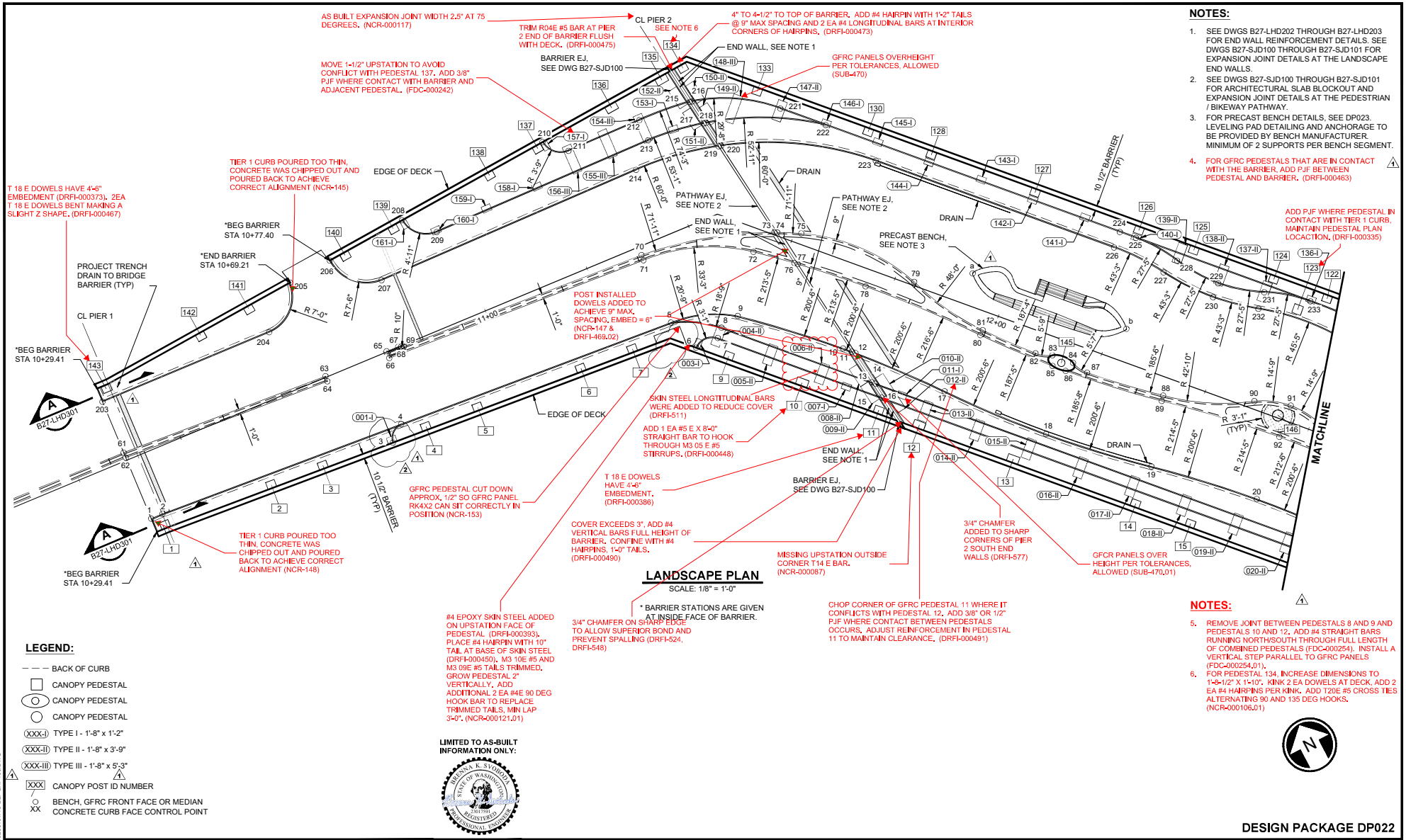

NOTES:

1. SEE DWGS B27-LHD202 THROUGH B27-LHD203 FOR END WALL REINFORCEMENT DETAILS. SEE DWGS B27-SJD100 THROUGH B27-SJD101 FOR EXPANSION JOINT DETAILS AT THE LANDSCAPE END WALLS.
2. SEE DWGS B27-SJD100 THROUGH B27-SJD101 FOR ARCHITECTURAL SLAB BLOCKOUT AND EXPANSION JOINT DETAILS AT THE PEDESTRIAN / BIKEWAY PATHWAY.
3. FOR PRECAST BENCH DETAILS, SEE DP023. LEVELING PAD DETAILING AND ANCHORAGE TO BE PROVIDED BY BENCH MANUFACTURER. MINIMUM OF 2 SUPPORTS PER BENCH SEGMENT.
4. FOR GFRC PEDESTALS THAT ARE IN CONTACT WITH THE BARRIER, ADD PJF BETWEEN PEDESTAL AND BARRIER. (DRFI-000463)

NOTES:

5. REMOVE JOINT BETWEEN PEDESTALS 8 AND 9 AND PEDESTALS 10 AND 12. ADD #4 STRAIGHT BARS RUNNING NORTH/SOUTH THROUGH FULL LENGTH OF COMBINED PEDESTALS (FDC-000254). INSTALL A VERTICAL STEP PARALLEL TO GFRC PANELS (FDC-000254.01).
6. FOR PEDESTAL 134, INCREASE DIMENSIONS TO 1'-8-1/2" X 1'-10". KINK 2 EA DOWELS AT DECK, ADD 2 EA #4 HAIRPINS PER KINK. ADD T20E #5 CROSS TIES ALTERNATING 90 AND 135 DEG HOOKS. (NCR-000106.01)

LEGEND:

- BACK OF CURB
- CANOPY PEDESTAL
- CANOPY PEDESTAL
- CANOPY PEDESTAL
- (XXX-I) TYPE I - 1'-8" x 1'-2"
- (XXX-II) TYPE II - 1'-8" x 3'-9"
- (XXX-III) TYPE III - 1'-8" x 5'-3"
- (XXX) CANOPY POST ID NUMBER
- XX BENCH, GFRC FRONT FACE OR MEDIAN CONCRETE CURB FACE CONTROL POINT

LIMITED TO AS-BUILT INFORMATION ONLY:

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	10/12/21	SJD	KF	SJD	NDC-000076 - GFRC PED 001-I & FDC-147
1	12/23/20	SJD	KF	SJD	NDC-000051 - LANDSCAPE WALL COORDINATION
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

BRENT K. SVOBODA, STATE OF WASHINGTON, 23017591, REGISTERED PROFESSIONAL ENGINEER
10/13/21 EXP: 3/15/23

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

City of Redmond

SCALE: 1/8" = 1'-0"
FILENAME: 115-B27-LHP100

RTS PEDESTRIAN BRIDGE

LANDSCAPE PLAN
SHEET 1 OF 5

DRAWING No.: B27-LHP100
FACILITY ID: B27
SHEET No.: 115
REV.: 2

RECORD DRAWING #23-2249

10/12/21 | 10:34 AM | ALYSSA.SOLZ
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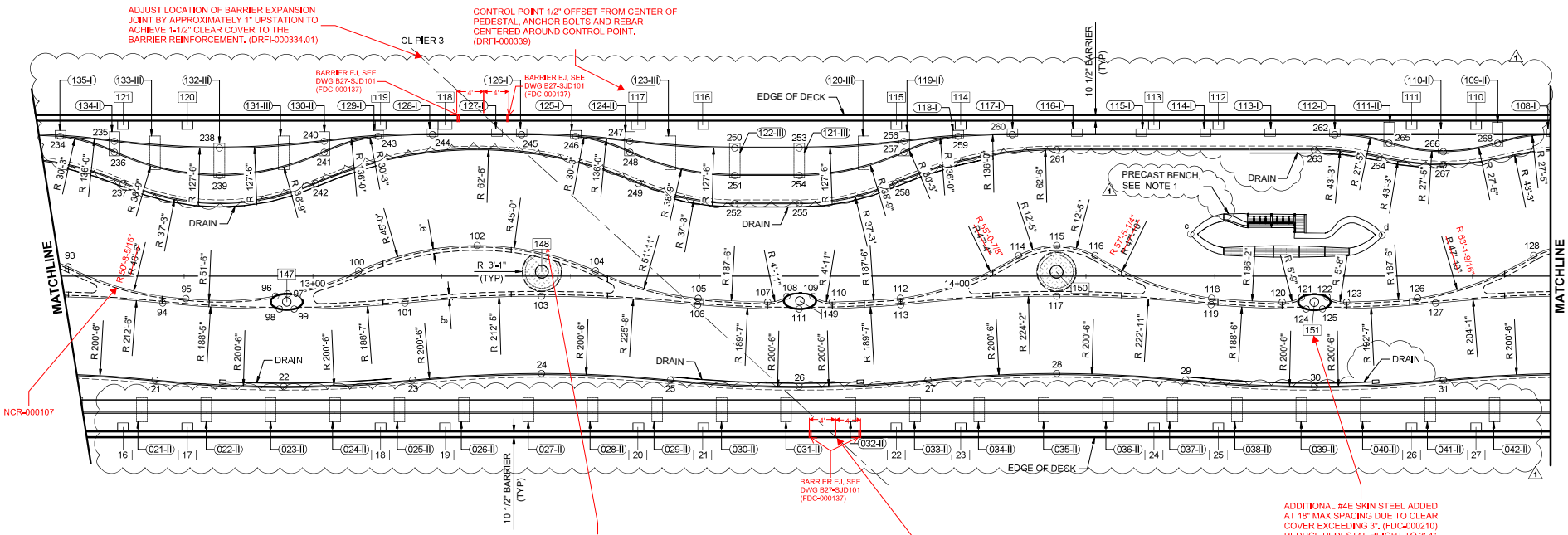

LANDSCAPE PLAN

SCALE: 1/8" = 1'-0"

NOTES:

1. FOR PRECAST BENCH DETAILS, SEE DP023. LEVELING PAD DETAILING AND ANCHORAGE TO BE PROVIDED BY BENCH MANUFACTURER. MINIMUM OF 2 SUPPORTS PER BENCH SEGMENT.

LEGEND:

- BACK OF CURB
- CANOPY PEDESTAL
- CANOPY PEDESTAL
- CANOPY PEDESTAL
- XXX-I TYPE I - 1'-8" x 1'-2"
- XXX-II TYPE II - 1'-8" x 3'-9"
- XXX-III TYPE III - 1'-8" x 5'-3"
- XXX CANOPY POST ID NUMBER
- XX BENCH, GFRC FRONT FACE OR MEDIAN CONCRETE CURB FACE CONTROL POINT

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA, STATE OF WASHINGTON, 23017591, REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	12/23/20	SJD	KF	SJD	NDC-000051 - LANDSCAPE WALL COORDINATION
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL, STATE OF WASHINGTON, 20110, REGISTERED PROFESSIONAL ENGINEER
12/23/2020 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/8" = 1'-0"
FILENAME: 116-B27-LHP101

CityofRedmond

RTS PEDESTRIAN BRIDGE

LANDSCAPE PLAN
SHEET 2 OF 5

DRAWING No.: B27-LHP101
FACILITY ID: B27
SHEET No.: 116
REV.: 1

RECORD DRAWING #23-2250

12/22/20 | 7:25 PM | ALYSSA.SOLIZ
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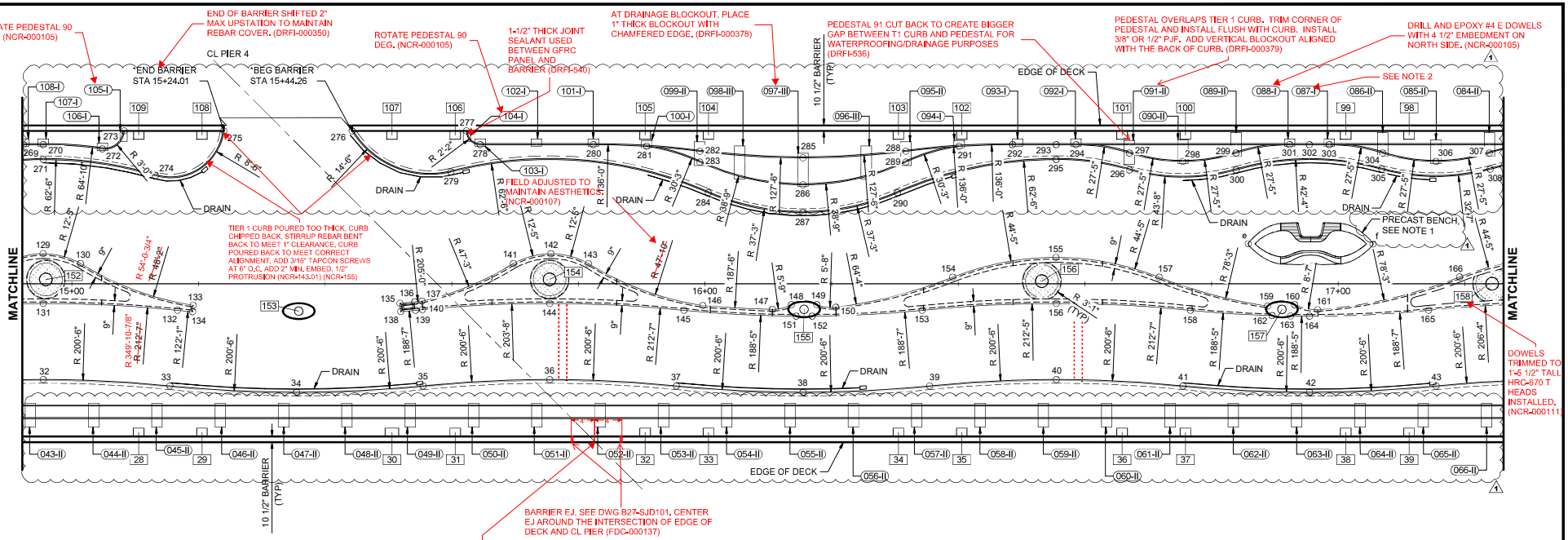

LANDSCAPE PLAN

SCALE: 1/8" = 1'-0"

* BARRIER STATIONS ARE GIVEN AT INSIDE FACE OF BARRIER

NOTES:

1. FOR PRECAST BENCH DETAILS, SEE DP023. LEVELING PAD DETAILING AND ANCHORAGE TO BE PROVIDED BY BENCH MANUFACTURER. MINIMUM OF 2 SUPPORTS PER BENCH SEGMENT.
2. FOR PEDESTAL 87, INCREASE DIMENSIONS TO 1'-5" X 1'-8". INCREASE SIZE OF #4E C-SHAPED BAR TO MEET CLEAR COVER REQUIREMENTS AS NEEDED. (NCR-000105)
3. DUE TO LACK OF CLEARANCE, #3E REBAR HAS BEEN REPLACED WITH SS MESH AT INSTANCES IT IS FOUND ON TOP OF THE IRRIGATION SLEEVES RUNNING ACROSS SPAN 4, 5, AND 6, SEE DOTTED LINES ABOVE FOR LOCATIONS. (DRFI-662)

LEGEND:

- BACK OF CURB
- CANOPY PEDESTAL
- CANOPY PEDESTAL
- CANOPY PEDESTAL
- XXX-I TYPE I - 1'-8" x 1'-2"
- XXX-II TYPE II - 1'-8" x 3'-9"
- XXX-III TYPE III - 1'-8" x 5'-3"
- XXX CANOPY POST ID NUMBER
- XX BENCH, GFRC FRONT FACE OR MEDIAN CONCRETE CURB FACE CONTROL POINT

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENA K. SVOBODA — STATE OF WASHINGTON — 23011791 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	12/23/20	SJD	KF	SJD	NDC-000051 - LANDSCAPE WALL COORDINATION
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — 12/23/2020 — EXP: 3/15/21 — REGISTERED PROFESSIONAL ENGINEER

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/8" = 1'-0"
FILENAME: 117-B27-LHP102

CityofRedmond

RTS PEDESTRIAN BRIDGE

LANDSCAPE PLAN
SHEET 3 OF 5

DRAWING No.: B27-LHP102
FACILITY ID: B27
SHEET No.: 117
REV.: 1

RECORD DRAWING #23-2251

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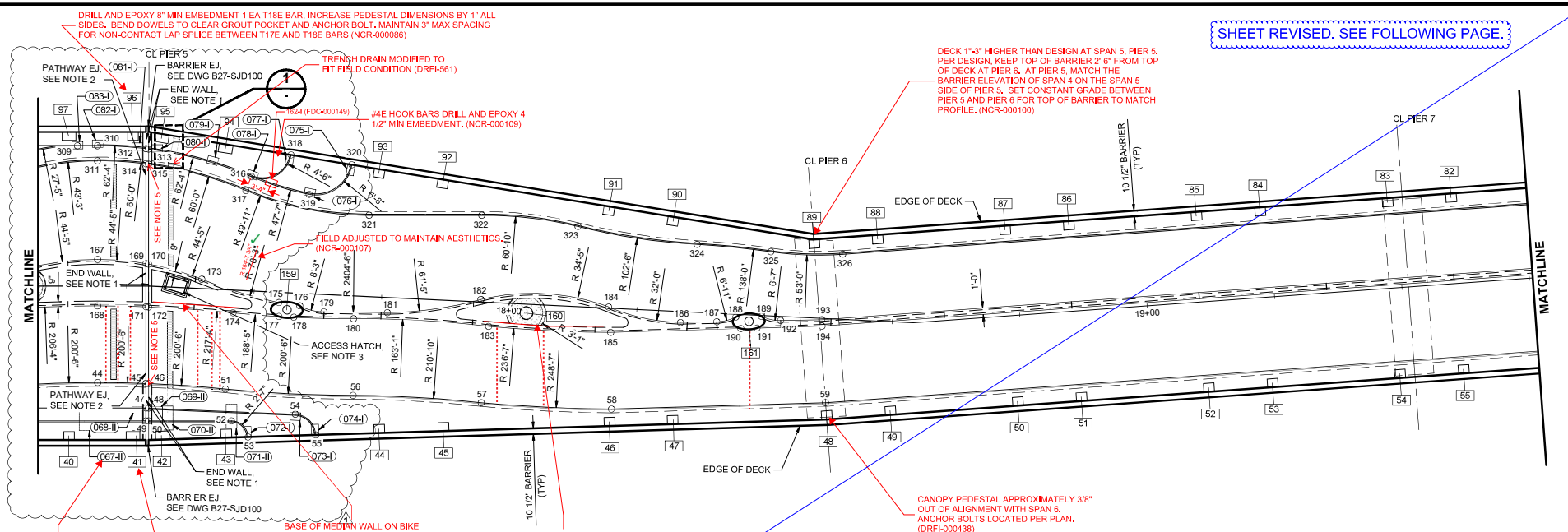
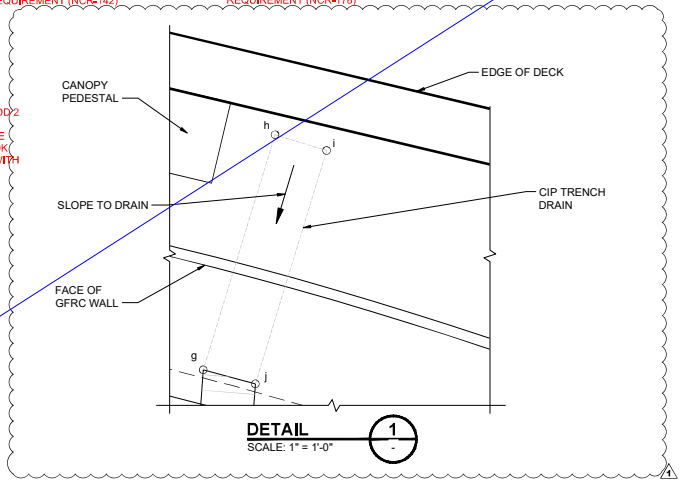


LANDSCAPE PLAN
SCALE: 1/8" = 1'-0"



DETAIL
SCALE: 1" = 1'-0"

LEGEND:

- BACK OF CURB
- CANOPY PEDESTAL
- CANOPY PEDESTAL
- CANOPY PEDESTAL
- XXX-I TYPE I - 1'-8" x 1'-2"
- XXX-II TYPE II - 1'-8" x 3'-9"
- XXX-III TYPE III - 1'-8" x 5'-3"
- XXX CANOPY POST ID NUMBER
- XX BENCH, GFRC FRONT FACE OR MEDIAN CONCRETE CURB FACE CONTROL POINT

NOTES:

1. SEE DWGS B27-LHD202 THROUGH B27-LHD203 FOR END WALL REINFORCEMENT DETAILS. SEE DWGS B27-SJD100 THROUGH B27-SJD101 FOR EXPANSION JOINT DETAILS AT THE LANDSCAPE END WALLS.
2. SEE DWGS B27-SJD100 THROUGH B27-SJD101 FOR ARCHITECTURAL SLAB BLOCKOUT AND EXPANSION JOINT DETAILS AT THE PEDESTRIAN / BIKEWAY PATHWAY.
3. FOR ACCESS HATCH LOCATION INFORMATION, SEE DWG B27-SNP104. FOR ACCESS HATCH WALL DETAILS, SEE DWG B27-LHD202.
4. FOR GFRC PEDESTALS THAT ARE IN CONTACT WITH THE BARRIER, ADD PJF BETWEEN PEDESTAL AND BARRIER. (DRFI-000463)
5. TIER 1 CURBS MISALIGNED WITH EXPANSION JOINT. CURBS CHIPPED BACK AND REPOURED WITH CORRECT ALIGNMENT IF CURB REINFORCEMENT WAS EXPOSED. WHEN CURB REINFORCEMENT WAS NOT EXPOSED INSTALLED 1/2" DIA TAPCONS SCREWS WITH 2 1/2" EMBED 2EA DIRECTION AND 1"x1" WIREMESH (NCR-000128)
6. DUE TO LACK OF CLEARANCE, #3E REBAR HAS BEEN REPLACED WITH SS MESH AT INSTANCES IT IS FOUND ON TOP OF THE IRRIGATION SLEEVES RUNNING ACROSS SPAN 4, 5, AND 6. SEE DOTTED LINES ABOVE FOR LOCATIONS. (DRFI-662)

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	07/25/23	BKS	ZH	BKS	GEOMETRY AND REINFORCEMENT REVISIONS
1	12/23/20	SJD	KF	SJD	NDC-000051 - LANDSCAPE WALL COORDINATION
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JARED J. DESPRADEL — STATE OF WASHINGTON — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
12/23/2020 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/8" = 1'-0"
FILENAME: 118-B27-LHP103

CityofRedmond

RTS PEDESTRIAN BRIDGE

LANDSCAPE PLAN
SHEET 4 OF 5

DRAWING No.: B27-LHP103
FACILITY ID: B27
SHEET No.: 118
REV.: 2

RECORD DRAWING #23-2252

12/23/20 10:12 AM | ALYSSA.SOLZ
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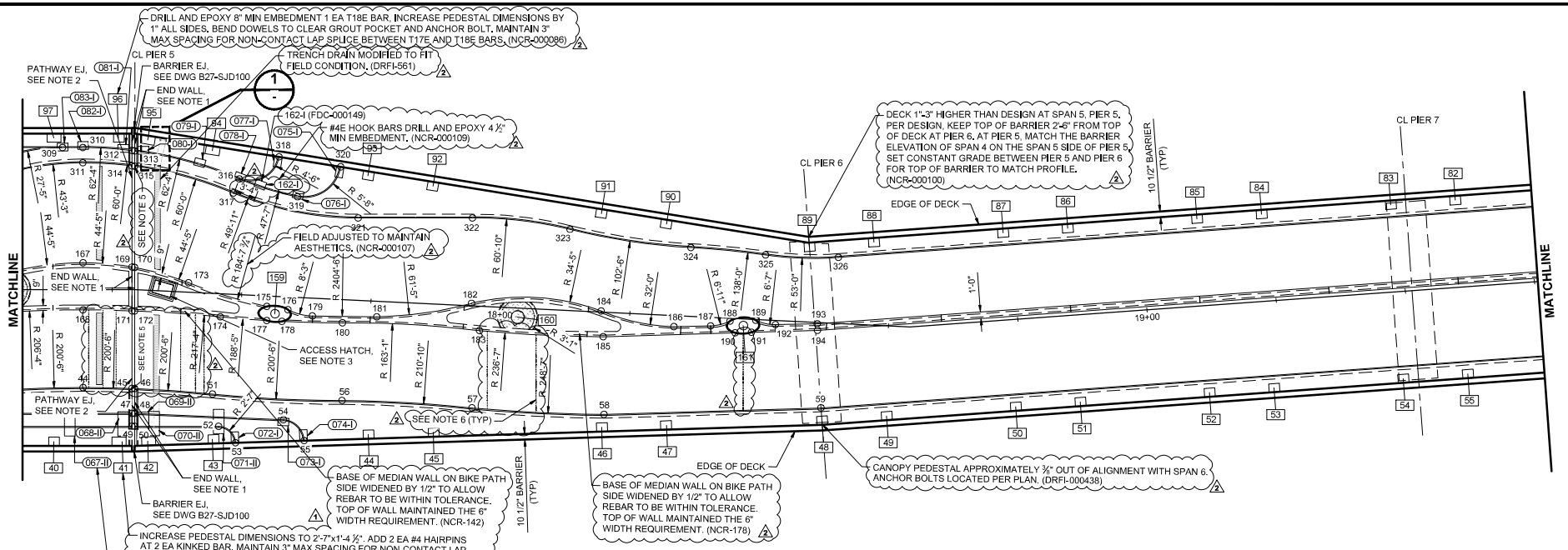
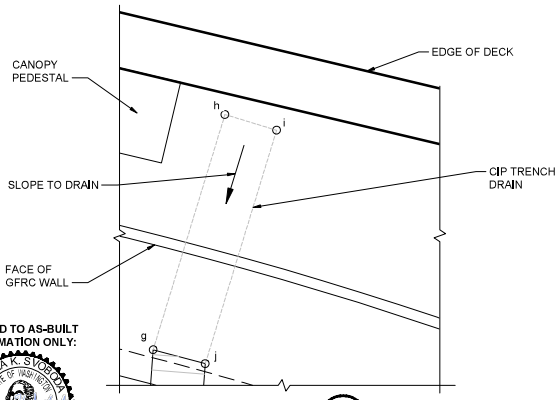


LANDSCAPE PLAN
SCALE: 1/8" = 1'-0"



DETAIL
SCALE: 1" = 1'-0"

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENT K. SVOBODA — STATE OF WASHINGTON — 23017 — REGISTERED PROFESSIONAL ENGINEER

LEGEND:

- BACK OF CURB
- CANOPY PEDESTAL
- CANOPY PEDESTAL
- CANOPY PEDESTAL
- (XXX-I) TYPE I - 1'-8" x 1'-2"
- (XXX-II) TYPE II - 1'-8" x 3'-9"
- (XXX-III) TYPE III - 1'-8" x 5'-3"
- XXX CANOPY POST ID NUMBER
- XX BENCH, GFRC FRONT FACE OR MEDIAN CONCRETE CURB FACE CONTROL POINT

NOTES:

1. SEE DWGS B27-LHD202 THROUGH B27-LHD203 FOR END WALL REINFORCEMENT DETAILS. SEE DWGS B27-SJD100 THROUGH B27-SJD101 FOR EXPANSION JOINT DETAILS AT THE LANDSCAPE END WALLS.
2. SEE DWGS B27-SJD100 THROUGH B27-SJD101 FOR ARCHITECTURAL SLAB BLOCKOUT AND EXPANSION JOINT DETAILS AT THE PEDESTRIAN / BIKEWAY PATHWAY.
3. FOR ACCESS HATCH LOCATION INFORMATION, SEE DWG B27-SNP104. FOR ACCESS HATCH WALL DETAILS, SEE DWG B27-LHD202.
4. FOR GFRC PEDESTALS THAT ARE IN CONTACT WITH THE BARRIER, ADD PJF BETWEEN PEDESTAL AND BARRIER. (DRFI-000463)
5. TIER 1 CURBS MISALIGNED WITH EXPANSION JOINT. CURBS CHIPPED BACK AND REPOURED WITH CORRECT ALIGNMENT IF CURB REINFORCEMENT WAS EXPOSED. WHEN CURB REINFORCEMENT WAS NOT EXPOSED, INSTALLED 1/2" DIA TAPCONS SCREWS WITH 2 1/2" EMBED, 2 IN EACH DIRECTION AND 1"x1" WIREMESH. (NCR-000128)
6. DUE TO LACK OF CLEARANCE, #3E REBAR HAS BEEN REPLACED WITH SS MESH AT INSTANCES IT IS FOUND ON TOP OF THE IRRIGATION SLEEVES RUNNING ACROSS SPAN 4, 5, AND 6. SEE DOTTED LINES ABOVE FOR LOCATIONS. (DRFI-662)

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	07/25/23	BKS	ZH	BKS	GEOMETRY AND REINFORCEMENT REVISIONS
1	12/23/20	SJD	KF	SJD	NDC-000051 - LANDSCAPE WALL COORDINATION
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

SHANE J. DESPRADEL — STATE OF WASHINGTON — 22001 — REGISTERED STRUCTURAL PROFESSIONAL ENGINEER

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/8" = 1'-0"
FILENAME: 118-B27-LHP103

CityofRedmond

RTS PEDESTRIAN BRIDGE

LANDSCAPE PLAN
SHEET 4 OF 5

DRAWING No.: B27-LHP103
FACILITY ID: B27
SHEET No.: 118
REV.: 2

RECORD DRAWING #23-2253

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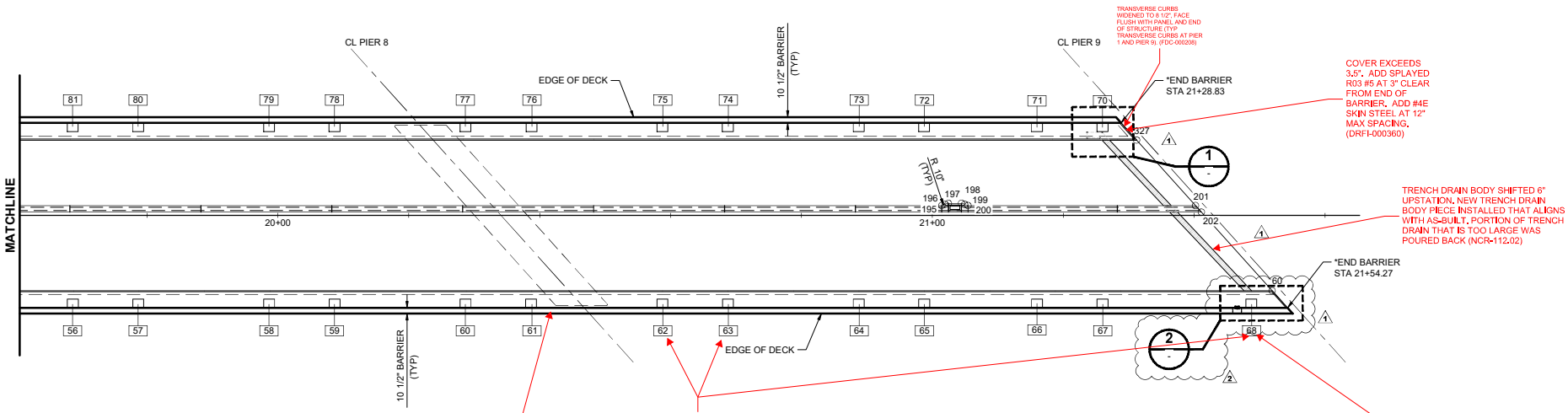
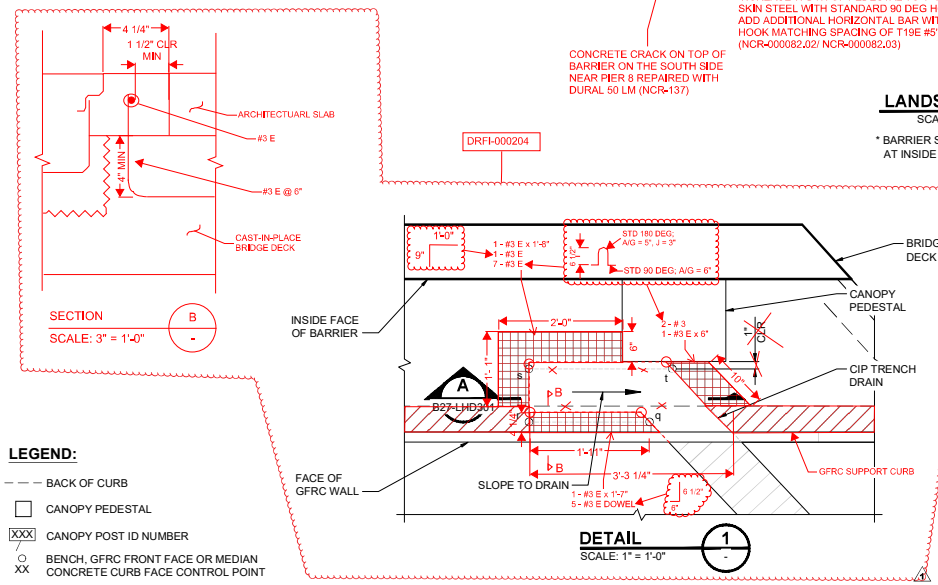
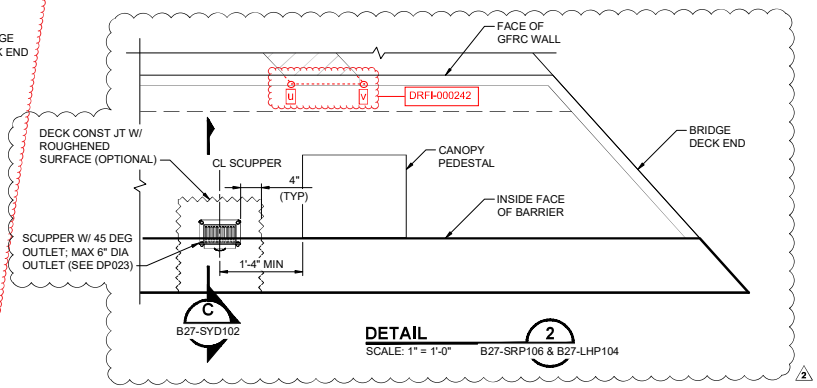


LANDSCAPE PLAN

SCALE: 1/8" = 1'-0"

* BARRIER STATIONS ARE GIVEN AT INSIDE FACE OF BARRIER





LEGEND:

- BACK OF CURB
- CANOPY PEDESTAL
- XXX CANOPY POST ID NUMBER
- BENCH, GFRC FRONT FACE OR MEDIAN CONCRETE CURB FACE CONTROL POINT

LIMITED TO AS-BUILT INFORMATION ONLY:

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	01/22/21	SJD	KF	SJD	NDC-000052 - PIER 9 SCUPPER DETAILS
1	12/23/20	SJD	KF	SJD	NDC-000051 - LANDSCAPE WALL COORDINATION
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

1/22/21 EXP: 3/15/21

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/8" = 1'-0"
FILENAME: 119-B27-LHP104

RTS PEDESTRIAN BRIDGE

LANDSCAPE PLAN
SHEET 5 OF 5

DRAWING No.: B27-LHP104
FACILITY ID: B27
SHEET No.: 119
REV.: 2

RECORD DRAWING #23-2254

01/22/21 | 3:12 PM | ALYSSA.SOLIZ
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CANOPY PEDESTAL LOCATIONS

PEDESTAL No.	NORTHING	EASTING	TOP OF CONCRETE ELEV. *
1	565650.2113	1647606.1126	388.64
2	565647.7450	1647626.5883	389.78
3	565646.5425	1647636.5289	390.34
4	565644.1407	1647656.3834	391.45
5	565642.9345	1647666.3544	392.01
6	565640.5288	1647686.2403	393.12
7	565639.3261	1647696.1823	393.68
8	UNUSED LOCATION		
9	565630.0765	1647711.1938	394.34
10	565619.6162	1647720.7698	394.67
11	565608.7002	1647730.7630	395.01
12	565602.9349	1647736.0409	395.16
13	565589.5205	1647748.3213	395.39
14	565572.0743	1647764.2929	395.69
15	565564.2275	1647771.4762	395.82
16	565545.9366	1647788.2207	396.13
17	565538.5608	1647794.9721	396.26
18	565516.4346	1647815.2287	396.63
19	565509.0592	1647821.9805	396.76
20	565486.9163	1647842.2516	397.14
21	565479.4963	1647849.0444	397.11
22	565457.3852	1647869.2862	396.81
23	565450.0098	1647876.0381	396.71
24	565427.8828	1647896.2945	396.41
25	565420.5074	1647903.0466	396.31
26	565398.3804	1647923.3029	396.01
27	565391.0054	1647930.0545	395.91
28	565368.8780	1647950.3109	395.61
29	565361.5027	1647957.0631	395.51
30	565339.3756	1647977.3196	395.21
31	565332.0003	1647984.0714	395.11
32	565309.8725	1648004.3286	394.81
33	565302.4972	1648011.0804	394.71
34	565280.3702	1648031.3369	394.41
35	565272.9948	1648038.0889	394.31
36	565254.3097	1648055.1937	394.06
37	565246.9345	1648061.9460	393.96
38	565228.2586	1648079.0431	393.71
39	565220.8833	1648085.7949	393.61
40	565206.3106	1648099.1357	393.41
41	565198.9209	1648105.9007	393.31
42	565195.5830	1648109.0428	393.29
43	565188.4119	1648116.0246	393.34
44	565171.2372	1648132.7358	393.47
45	565164.0370	1648139.7563	393.52
46	565145.3952	1648157.9061	393.67
47	565138.3146	1648164.8000	393.73
48	565121.0284	1648181.6291	393.85
49	565114.1389	1648188.8753	394.04
50	565100.4015	1648203.4086	394.32
51	565093.5330	1648210.6745	394.48
52	565079.7957	1648225.2066	394.79
53	565072.9271	1648232.4726	394.94
54	565059.1898	1648247.0047	395.25
55	565052.3213	1648254.2707	395.41
56	565038.5839	1648268.8032	395.73
57	565031.7154	1648276.0693	395.88
58	565017.9781	1648290.6017	396.20

CANOPY PEDESTAL LOCATIONS

PEDESTAL No.	NORTHING	EASTING	TOP OF CONCRETE ELEV. *
59	565011.1094	1648297.8681	396.35
60	564997.3722	1648312.4002	396.67
61	564990.4978	1648319.6730	396.61
62	564976.7082	1648334.2602	395.97
63	564969.8423	1648341.5235	395.66
64	564956.1101	1648356.0506	395.03
65	564949.2442	1648363.3138	394.71
66	564937.3951	1648375.8487	394.17
67	564930.5292	1648383.1120	393.85
68	564914.9139	1648399.6311	393.14
69	UNUSED LOCATION		
70	564950.0897	1648401.6021	393.85
71	564956.9564	1648394.3366	394.17
72	564968.8053	1648381.7998	394.71
73	564975.6713	1648374.5351	395.03
74	564989.4035	1648360.0055	395.66
75	564996.2695	1648352.7409	395.97
76	565010.0017	1648338.2114	396.61
77	565016.9324	1648330.8782	396.67
78	565030.6695	1648316.3435	396.35
79	565037.5383	1648309.0759	396.20
80	565051.2756	1648294.5410	395.88
81	565058.1441	1648287.2737	395.73
82	565071.8798	1648272.7404	395.41
83	565078.7378	1648265.4840	395.25
84	565092.4873	1648250.9633	394.94
85	565099.3558	1648243.6967	394.79
86	565113.0932	1648229.1276	394.48
87	565119.9618	1648221.8590	394.32
88	565133.6991	1648207.3216	393.99
89	565140.5479	1648200.0741	393.85
90	565159.2801	1648187.7592	393.74
91	565167.7966	1648182.1925	393.69
92	565189.8229	1648167.7287	393.55
93	565198.2606	1648162.2099	393.49
94	565218.6024	1648148.8496	393.36
95	565227.0779	1648143.3000	393.31
96	565230.6158	1648140.4940	393.31
97	565237.9911	1648133.7409	393.41
98	565252.5626	1648120.4019	393.61
99	565259.9379	1648113.6495	393.71
100	565278.6139	1648096.5525	393.96
101	565285.9893	1648089.8003	394.06
102	565304.6741	1648072.6951	394.31
103	565312.0495	1648065.9428	394.41
104	565334.1766	1648045.6867	394.71
105	565341.5521	1648038.9346	394.81
106	565363.6787	1648018.6785	395.11
107	565371.0544	1648011.9263	395.21
108	565393.1813	1647991.6700	395.51
109	565400.5569	1647984.9180	395.61
110	565422.6835	1647964.6618	395.91
111	565430.0593	1647957.9096	396.01
112	565452.1860	1647937.6534	396.31
113	565459.5616	1647930.9013	396.41
114	565481.6884	1647910.6450	396.71
115	565489.0640	1647903.8930	396.81
116	565511.1749	1647883.6513	397.11

CANOPY PEDESTAL LOCATIONS

PEDESTAL No.	NORTHING	EASTING	TOP OF CONCRETE ELEV. *
117	565518.5942	1647876.8591	397.14
118	565540.7383	1647856.5870	396.76
119	565548.1137	1647849.8352	396.63
120	565570.2401	1647829.5792	396.26
121	565577.6152	1647822.8276	396.13
122	565589.0266	1647812.3809	395.94
123	565589.7520	1647806.7268	394.45
124	565596.6342	1647805.4164	395.81
125	565608.0456	1647794.9697	395.61
126	565615.8616	1647787.8144	395.48
127	565630.6692	1647774.2587	395.23
128	565645.4767	1647760.7029	394.98
129	UNUSED LOCATION		
130	565654.4863	1647752.4551	394.82
131	UNUSED LOCATION		
132	UNUSED LOCATION		
133	565670.3309	1647737.9498	394.52
134	565680.2977	1647727.9421	394.28
135	565680.1758	1647723.5378	394.24
136	565679.8875	1647713.1267	394.14
137	565679.4631	1647697.7916	393.58
138	565679.1859	1647687.7884	393.03
139	565678.6319	1647667.7821	391.92
140	565678.3549	1647657.7789	391.37
141	565677.8009	1647637.7726	390.26
142	565677.5240	1647627.7695	389.71
143	565677.0512	1647608.1674	388.62
144	UNUSED LOCATION		
145	565600.9813	1647764.1652	395.47
146	565574.3151	1647794.6503	394.28
147	565540.3145	1647819.7400	396.50
148	565514.2731	1647849.9339	395.30
149	565481.6421	1647873.6287	397.01
150	565455.3381	1647903.8872	394.91
151	565422.6238	1647927.4390	396.21
152	565395.9974	1647958.2109	394.11
153	565363.1503	1647981.5023	395.40
154	565337.3105	1648011.9405	393.31
155	565304.4675	1648035.6017	394.61
156	565279.7803	1648064.2307	392.54
157	565248.7912	1648086.5531	393.86
158	565227.0493	1648111.9591	391.84
159	565194.4598	1648136.7311	393.70
160	565166.4666	1648161.6652	392.57
161	565139.8885	1648184.2291	394.86

* FINAL GRADE ELEVATIONS ARE PRESENTED IN THE TABLES. FOR CONSTRUCTION, SEE DIMENSIONS ON DWGS B27-SYD200 AND B27-SYD201.

CONTROL POINT LOCATIONS

CONTROL POINT	NORTHING	EASTING
1	565652.3233	1647604.4013
2	565652.1348	1647606.6148
3	565644.2761	1647649.7203
4	565646.5669	1647652.6413
5	565640.2767	1647704.6379
6	565634.1162	1647706.5923
7	565633.8644	1647710.8883
8	565635.2136	1647712.3644
9	565635.7276	1647715.9564
10	565621.6538	1647730.2016
11	565620.3760	1647731.3603
12	565619.8531	1647731.8290
13	565613.7728	1647731.9930
14	565613.2622	1647732.4604
15	565610.4640	1647732.3100
16	565609.9533	1647732.7775
17	565606.2238	1647742.9657
18	565590.8001	1647755.7368
19	565576.7200	1647769.9754
20	565562.6462	1647784.2209
21	565547.2161	1647796.9850
22	565531.7924	1647809.7562
23	565517.7123	1647823.9947
24	565503.6385	1647838.2403
25	565488.2084	1647851.0044
26	565472.7847	1647863.7755
27	565458.7046	1647878.0141
28	565444.6308	1647892.2597
29	565429.2007	1647905.0238
30	565413.7771	1647917.7948
31	565399.6969	1647932.0334
32	565385.6231	1647946.2790
33	565370.1930	1647959.0431
34	565354.7693	1647971.8143
35	565340.6892	1647986.0528
36	565326.6154	1648000.2984
37	565311.1853	1648013.0625
38	565295.7616	1648025.8336
39	565281.6815	1648040.0722
40	565267.6077	1648054.3177
41	565252.1776	1648067.0818
42	565236.7539	1648079.8530
43	565222.6738	1648094.0915
44	565208.6000	1648108.3371
45	565202.9294	1648113.3325
46	565202.6097	1648113.6031
47	565200.3348	1648110.4985
48	565200.0211	1648110.7752
49	565198.9787	1648109.0156
50	565198.6695	1648109.2986
51	565193.1699	1648121.1012
52	565189.0955	1648118.0640
53	565185.4717	1648117.9589
54	565182.4231	1648125.5730
55	565177.8856	1648125.3401
56	565177.7462	1648133.8724
57	565162.1833	1648146.5722
58	565146.4616	1648159.5995

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
4	01/29/21	SJD	KF	SJD	NDC-000052 - FINAL GRADE ELEVATIONS
3	12/23/20	SJD	KF	SJD	NDC-000051 - LANDSCAPE WALL COORDINATION
2	11/24/20	SJD	KF	SJD	NDC-000054 - SHIFT CANOPY PEDESTALS 1, 143, & 123
1	09/28/20	SJD	KF	SJD	NDC-000027 - CANOPY PEDESTAL FINAL DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

STATE OF WASHINGTON — JAMES J. DESPRADEL — 22660 — REGISTERED PROFESSIONAL ENGINEER
1/29/21 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN — DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA — DATE: 11/04/19

LINE IS 1" AT FULL SCALE

City of Redmond

SCALE: NTS
FILENAME: 120-B27-LHP105
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

LANDSCAPE CONTROL POINT LOCATIONS
SHEET 1 OF 4

DRAWING No.: B27-LHP105
FACILITY ID: B27
SHEET No.: 120
REV: 4

RECORD DRAWING #23-2255

XREF: [illegible]
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01/28/21 | 4:26 PM | OLGA.DEMCHENKO
C:\PROJECTWISE\WEBSDD\2025101\20-B27-LHP105.DWG

CONTROL POINT LOCATIONS

CONTROL POINT	NORTHING	EASTING
59	565122.4258	1648182.9646
60	564914.1458	1648403.2945
61	565665.2758	1647605.5116
62	565664.2800	1647605.4197
63	565660.6507	1647644.4581
64	565659.6579	1647644.3384
65	565659.5391	1647656.4126
66	565658.2154	1647656.2625
67	565659.2859	1647658.6482
68	565659.0639	1647659.1263
69	565658.8432	1647659.6044
70	565653.6369	1647705.5549
71	565652.6388	1647705.4418
72	565644.7527	1647723.8678
73	565646.1240	1647728.8933
74	565645.8903	1647729.3354
75	565643.7119	1647733.1392
76	565639.5101	1647729.5270
77	565639.0658	1647729.9882
78	565629.7576	1647739.0514
79	565626.4074	1647747.2569
80	565612.2555	1647753.4489
81	565612.8599	1647754.2456
82	565604.6896	1647760.8112
83	565602.9629	1647763.3679
84	565600.0126	1647766.0689
85	565601.2215	1647762.4987
86	565599.3438	1647764.1857
87	565597.2476	1647767.4914
88	565587.1630	1647777.8125
89	565586.4211	1647777.1420
90	565578.6058	1647792.0620
91	565574.8355	1647797.5441
92	565570.7499	1647793.0707
93	565569.0407	1647800.8185
94	565554.3926	1647806.6022
95	565552.1965	1647809.5324
96	565542.1975	1647819.2366
97	565541.0566	1647820.7489
98	565540.3937	1647818.1519
99	565538.7144	1647819.6966
100	565535.3427	1647830.8420
101	565526.6546	1647831.9961
102	565524.4321	1647846.1552
103	565511.7422	1647847.0901
104	565508.2186	1647855.6736
105	565493.5643	1647863.2647
106	565492.9529	1647862.4734
107	565485.2055	1647870.1164
108	565483.6237	1647872.8313
109	565480.6734	1647875.5324
110	565477.8353	1647876.8750
111	565480.8890	1647872.6249
112	565470.4286	1647884.4568
113	565469.6938	1647883.7785
114	565461.3663	1647901.7840
115	565458.0487	1647906.9268
116	565452.6337	1647909.7784

CONTROL POINT LOCATIONS

CONTROL POINT	NORTHING	EASTING
117	565452.7345	1647901.1094
118	565434.7924	1647917.1053
119	565434.1809	1647916.3114
120	565426.2993	1647924.0491
121	565424.6054	1647926.6417
122	565421.6551	1647929.3427
123	565418.9251	1647930.8035
124	565422.8237	1647925.7921
125	565420.9643	1647927.4955
126	565411.2175	1647938.7020
127	565408.6392	1647940.0348
128	565402.3923	1647955.7725
129	565399.0747	1647960.9153
130	565393.6596	1647963.7669
131	565393.7268	1647955.1288
132	565377.3695	1647968.6603
133	565376.0715	1647970.9086
134	565375.4577	1647970.1077
135	565352.1986	1647993.2068
136	565350.6264	1647994.9419
137	565349.8616	1647995.7964
138	565351.2163	1647992.3052
139	565349.6315	1647994.0542
140	565348.9056	1647994.8655
141	565343.2120	1648009.9310
142	565339.8944	1648015.0738
143	565334.4793	1648017.9254
144	565334.7191	1648009.1482
145	565318.3618	1648022.6796
146	565316.6746	1648025.2285
147	565308.1456	1648032.2147
148	565306.4491	1648034.8044
149	565303.4988	1648037.5054
150	565300.9984	1648039.2184
151	565304.6631	1648033.9569
152	565302.8076	1648035.6587
153	565290.6238	1648048.0736
154	565290.5877	1648055.1992
155	565280.6581	1648068.4905
156	565275.7114	1648063.1675
157	565266.5437	1648077.2105
158	565259.3541	1648076.6990
159	565250.8192	1648085.4082
160	565247.8225	1648088.4568
161	565244.5950	1648090.3182
162	565249.2753	1648084.7819
163	565247.0779	1648086.7012
164	565244.8582	1648088.7023
165	565231.6161	1648102.0929
166	565231.5464	1648109.2765
167	565221.6169	1648122.5678
168	565216.7067	1648117.2000
169	565215.6107	1648127.1895
170	565215.2539	1648127.4161
171	565211.0377	1648122.1925
172	565210.7065	1648122.4484
173	565207.5025	1648131.2879
174	565200.3464	1648130.7184

CONTROL POINT LOCATIONS

CONTROL POINT	NORTHING	EASTING
175	565196.1314	1648136.7485
176	565193.3886	1648138.5790
177	565194.6645	1648135.1349
178	565192.8580	1648136.6139
179	565189.9364	1648140.4283
180	565185.8098	1648142.7590
181	565182.5326	1648147.0402
182	565173.1248	1648158.4531
183	565169.3874	1648156.1690
184	565157.5790	1648171.0908
185	565154.6585	1648168.3661
186	565147.6617	1648176.8931
187	565143.5414	1648180.8136
188	565141.8440	1648183.3714
189	565138.9758	1648186.1595
190	565140.0398	1648182.5771
191	565138.2328	1648184.3337
192	565136.2965	1648187.7072
193	565131.6236	1648192.1536
194	565130.9151	1648191.4474
195	564958.2597	1648375.5516
196	564958.0374	1648376.0294
197	564957.8151	1648376.5073
198	564956.4412	1648377.9607
199	564955.9766	1648378.2095
200	564955.5120	1648378.4583
201	564931.6339	1648403.7185
202	564930.2886	1648403.6859
203	565675.2393	1647606.3651
204	565672.4534	1647639.0844
205	565678.7129	1647646.6206
206	565678.9409	1647654.8542
207	565671.4138	1647661.5564
208	565679.3575	1647669.9001
209	565674.5491	1647674.5037
210	565680.1660	1647699.0990
211	565676.5573	1647702.5522
212	565675.5590	1647716.5534
213	565671.5714	1647716.2680
214	565667.8277	1647711.8531
215	565674.3040	1647726.1933
216	565674.1539	1647726.6263
217	565669.6435	1647726.6398
218	565669.5162	1647727.0706
219	565664.7135	1647727.1122
220	565664.5626	1647727.5452
221	565665.5930	1647740.2504
222	565659.1209	1647746.1758
223	565649.1410	1647751.2409
224	565617.1663	1647784.5865
225	565614.8665	1647786.6918
226	565615.1563	1647782.3526
227	565606.9890	1647788.2406
228	565607.7447	1647791.4133
229	565600.6329	1647796.1257
230	565598.8220	1647794.1291
231	565595.3123	1647802.7948
232	565593.1447	1647800.4589

CONTROL POINT LOCATIONS

CONTROL POINT	NORTHING	EASTING
233	565589.9817	1647809.4729
234	565583.5912	1647814.9691
235	565576.8724	1647820.0589
236	565575.7196	1647818.7997
237	565571.4763	1647816.1417
238	565564.1582	1647830.2832
239	565561.2884	1647827.1484
240	565552.8536	1647842.0473
241	565551.7008	1647840.7880
242	565549.4143	1647836.3178
243	565547.1917	1647848.2915
244	565541.1539	1647854.1730
245	565530.9604	1647863.5047
246	565524.5698	1647869.0009
247	565517.8511	1647874.0907
248	565516.6983	1647872.8315
249	565512.4328	1647870.1730
250	565505.1368	1647884.3150
251	565502.2671	1647881.1802
252	565499.3109	1647877.9511
253	565497.7609	1647891.0674
254	565494.8911	1647887.9326
255	565491.9349	1647884.7035
256	565486.4563	1647902.8315
257	565485.3035	1647901.5723
258	565483.0311	1647897.0891
259	565480.7944	1647909.0757
260	565474.7566	1647914.9573
261	565468.0815	1647917.8848
262	565437.8438	1647948.7495
263	565438.5779	1647944.8942
264	565430.4106	1647950.7822
265	565430.7320	1647953.4619
266	565423.6201	1647958.1743
267	565422.2436	1647956.6707
268	565418.2995	1647964.8434
269	565412.9689	1647971.5215
270	565410.6593	1647973.6360
271	565409.0738	1647971.9041
272	565403.3172	1647979.4418
273	565402.7070	1647983.8534
274	565394.2982	1647981.9667
275	565391.0897	1647994.4886
276	565376.1534	1648008.1623
277	565362.8245	1648020.3621
278	565359.7694	1648020.2237
279	565360.2494	1648013.9261
280	565346.5819	1648032.2964
281	565340.1914	1648037.7926
282	565333.4726	1648042.8824
283	565332.3198	1648041.6231
284	565328.0543	1648038.9646
285	565320.7584	1648053.1066
286	565317.8886	1648049.9719
287	565314.9324	1648046.7427
288	565309.4538	1648064.8707
289	565308.3010	1648063.6115
290	565306.0286	1648059.1283

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	12/23/20	SJD	KF	SJD	NDC-000051 - LANDSCAPE WALL COORDINATION
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

STATE OF WASHINGTON — JAMES J. DESPRADEL — PROFESSIONAL ENGINEER
12/23/2020 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN — DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA — DATE: 11/04/19

LINE IS 1" AT FULL SCALE

City of Redmond

SCALE: NTS
FILENAME: 121-B27-LHP106
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

LANDSCAPE CONTROL POINT LOCATIONS
SHEET 2 OF 4

DRAWING No.: B27-LHP106
FACILITY ID: B27
SHEET No.: 121 REV: 1

RECORD DRAWING #23-2256

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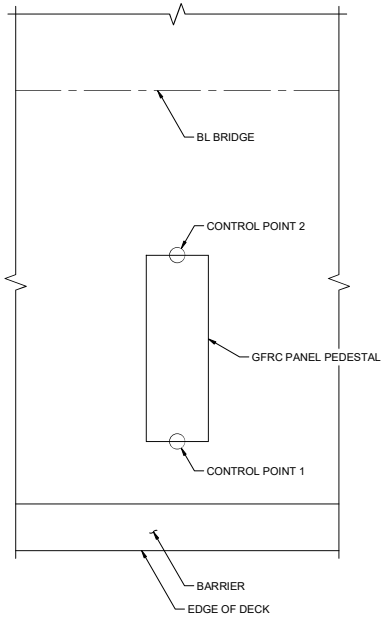

GFRC PANEL POINT SCHEMATIC
NTS
TYPE II PANEL SHOWN (TYPE I & III SIMILAR)

CONTROL POINT LOCATIONS

CONTROL POINT	NORTHING	EASTING
291	565303.7919	1648071.1150
292	565297.7541	1648076.9965
293	565292.6644	1648081.6559
294	565290.3448	1648083.7794
295	565291.0790	1648079.9240
296	565281.4273	1648086.5193
297	565283.2330	1648088.4918
298	565276.1211	1648093.2042
299	565270.8005	1648099.8733
300	565268.9964	1648097.9025
301	565265.4700	1648106.5514
302	565263.1603	1648108.6658
303	565260.8407	1648110.7893
304	565253.7289	1648115.5017
305	565252.0999	1648113.5208

CONTROL POINT LOCATIONS

CONTROL POINT	NORTHING	EASTING
306	565246.6170	1648120.2141
307	565241.2964	1648126.8832
308	565239.4667	1648125.0861
309	565235.9658	1648133.5613
310	565233.6561	1648135.6757
311	565232.0707	1648133.9439
312	565227.7580	1648140.4576
313	565227.4146	1648140.7011
314	565226.1577	1648138.7142
315	565225.8157	1648138.9543
316	565212.5812	1648148.4064
317	565211.7879	1648146.1965
318	565210.3495	1648155.0778
319	565204.0748	1648152.4506
320	565202.2722	1648160.3759
321	565194.9466	1648156.3597
322	565181.9397	1648168.2670
323	565169.6334	1648177.1455
324	565153.9679	1648187.6831
325	565144.7068	1648194.6137
326	565136.1402	1648201.9327
327	564945.0863	1648404.0446
a	565622.9083	1647757.4386
b	565601.0059	1647777.5029
c	565443.8895	1647922.2395
d	565421.9001	1647942.2115
e	565259.7404	1648090.6325
f	565245.1668	1648103.8898
g	565223.6796	1648141.2127
h	565225.6363	1648144.6527
i	565224.8816	1648145.0820
j	565222.9395	1648141.6679
q	564949.1755	1648400.1916
r	564950.5089	1648399.7810
s	564951.1296	1648399.3678
t	564949.5434	1648401.0458

q	564949.3575	1648400.2434
r	564950.6309	1648398.8964
s	564951.2176	1648399.4509
t	564949.6973	1648401.0592
u	564917.5862	1648399.4731
v	564916.8399	1648400.2625

DRFI-000242

LIMITED TO AS-BUILT INFORMATION ONLY:

CONTROL POINT LOCATIONS

ID	CNTL PNT	NORTHING	EASTING
001-I	1	565644.2649	1647649.8029
	2	565645.4236	1647649.9436
002-I	UNUSED LOCATION		
	UNUSED LOCATION		
003-I	1	565634.0537	1647706.6489
	2	565635.1799	1647707.8775
004-II	1	565632.8491	1647709.783
	2	565635.3815	1647712.549
005-II	1	565625.4733	1647716.535
	2	565628.0057	1647719.302
006-II	1	565618.0972	1647723.288
	2	565620.6296	1647726.054
007-I	1	565614.8053	1647727.094
	2	565615.5931	1647727.955
008-II	1	565614.1027	1647730.6219
	2	565617.8435	1647730.2635
009-II	1	565610.3777	1647730.9788
	2	565614.1027	1647730.6219
010-II	1	565610.4835	1647734.0661
	2	565614.2164	1647733.7085
011-I	1	565608.7784	1647735.3226
	2	565609.5662	1647736.1831
012-II	1	565606.7506	1647734.4238
	2	565610.4835	1647734.0661
013-II	1	565603.3452	1647736.793
	2	565605.8776	1647739.559
014-II	1	565595.9693	1647743.545
	2	565598.5017	1647746.311
015-II	1	565588.5935	1647750.298
	2	565591.1259	1647753.064
016-II	1	565581.2173	1647757.05
	2	565583.7497	1647759.816
017-II	1	565573.8414	1647763.802
	2	565576.3738	1647766.568
018-II	1	565566.4654	1647770.555
	2	565568.9978	1647773.321
019-II	1	565559.0895	1647777.307
	2	565561.6219	1647780.073
020-II	1	565551.7135	1647784.059
	2	565554.2459	1647786.826
021-II	1	565544.3375	1647790.812
	2	565546.8699	1647793.578
022-II	1	565536.9616	1647797.564
	2	565539.494	1647800.331
023-II	1	565529.5856	1647804.317
	2	565532.118	1647807.083
024-II	1	565522.2096	1647811.069
	2	565524.742	1647813.835
025-II	1	565514.8337	1647817.822
	2	565517.3661	1647820.588
026-II	1	565507.4577	1647824.574
	2	565509.9901	1647827.34
027-II	1	565500.0818	1647831.326
	2	565502.6142	1647834.093
028-II	1	565492.7058	1647838.079
	2	565495.2382	1647840.845
029-II	1	565485.3298	1647844.831
	2	565487.8622	1647847.597

CONTROL POINT LOCATIONS

ID	CNTL PNT	NORTHING	EASTING
030-II	1	565477.9539	1647851.584
	2	565480.4863	1647854.35
031-II	1	565470.5779	1647858.336
	2	565473.1103	1647861.102
032-II	1	565463.2019	1647865.088
	2	565465.7343	1647867.855
033-II	1	565455.826	1647871.841
	2	565458.3584	1647874.607
034-II	1	565448.45	1647878.593
	2	565450.9824	1647881.36
035-II	1	565441.0741	1647885.346
	2	565443.6065	1647888.112
036-II	1	565433.6981	1647892.098
	2	565436.2305	1647894.864
037-II	1	565426.3221	1647898.851
	2	565428.8545	1647901.617
038-II	1	565418.9462	1647905.603
	2	565421.4786	1647908.369
039-II	1	565411.5702	1647912.355
	2	565414.1026	1647915.122
040-II	1	565404.1942	1647919.108
	2	565406.7266	1647921.874
041-II	1	565396.8183	1647925.86
	2	565399.3507	1647928.627
042-II	1	565389.4423	1647932.613
	2	565391.9747	1647935.379
043-II	1	565382.0664	1647939.365
	2	565384.5988	1647942.131
044-II	1	565374.6904	1647946.118
	2	565377.2228	1647948.884
045-II	1	565367.3144	1647952.87
	2	565369.8468	1647955.636
046-II	1	565359.9385	1647959.622
	2	565362.4709	1647962.389
047-II	1	565352.5625	1647966.375
	2	565355.0949	1647969.141
048-II	1	565345.1865	1647973.127
	2	565347.7189	1647975.893
049-II	1	565337.8106	1647979.88
	2	565340.343	1647982.646
050-II	1	565330.4346	1647986.632
	2	565332.967	1647989.398
051-II	1	565323.0587	1647993.384
	2	565325.5911	1647996.151
052-II	1	565315.6827	1648000.137
	2	565318.2151	1648002.903
053-II	1	565308.3067	1648006.889
	2	565310.8391	1648009.656
054-II	1	565300.9308	1648013.642
	2	565303.4632	1648016.408
055-II	1	565293.5548	1648020.394
	2	565296.0872	1648023.16
056-II	1	565286.1788	1648027.147
	2	565288.7112	1648029.913
057-II	1	565278.8029	1648033.899
	2	565281.3353	1648036.665
058-II	1	565271.4269	1648040.651
	2	565273.9593	1648043.418

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	10/12/21	SJD	KF	SJD	NDC-000076 - GFRC PED 001-I & FDC-147
1	12/23/20	SJD	KF	SJD	NDC-000051 - LANDSCAPE WALL COORDINATION
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

JARED J. DESPRADEL — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER
10/13/21 EXP: 3/16/23

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN — DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA — DATE: 11/04/19

LINE IS 1" AT FULL SCALE

City of Redmond
SUBMITTAL DATE: 11/04/20

SCALE: NTS
FILENAME: 122-B27-LHP107

RTS PEDESTRIAN BRIDGE

LANDSCAPE CONTROL POINT LOCATIONS
SHEET 3 OF 4

DRAWING No.: B27-LHP107
FACILITY ID: B27
SHEET No.: 122 REV: 2

RECORD DRAWING #23-2257

10/12/21 | 7:40 PM | ALYSSA.SOLIZ
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CONTROL POINT LOCATIONS

ID	CNTL PNT	NORTHING	EASTING
059-II	1	565264.051	1648047.404
	2	565266.5834	1648050.17
060-II	1	565256.675	1648054.156
	2	565259.2074	1648056.923
061-II	1	565249.299	1648060.909
	2	565251.8314	1648063.675
062-II	1	565241.9231	1648067.661
	2	565244.4555	1648070.427
063-II	1	565234.5471	1648074.414
	2	565237.0795	1648077.18
064-II	1	565227.1711	1648081.166
	2	565229.7035	1648083.932
065-II	1	565219.7952	1648087.918
	2	565222.3276	1648090.685
066-II	1	565212.4192	1648094.671
	2	565214.9516	1648097.437
067-II	1	565205.0433	1648101.423
	2	565207.5757	1648104.189
068-II	1	565198.9556	1648107.0155
	2	565201.4880	1648109.7818
069-II	1	~~565196.6601~~	~~1648109.0781~~
	2	~~565199.1925~~	~~1648111.8444~~
070-II	1	565195.4876	1648110.2656
	2	565198.0200	1648113.0319
071-II	1	565188.3333	1648117.232
	2	565190.8657	1648119.998
072-I	1	565185.5305	1648117.9011
	2	565186.6941	1648119.0953
073-I	1	565181.8322	1648124.872
	2	565182.583	1648125.765
074-I	1	565177.9444	1648125.2823
	2	565179.1084	1648126.4762
075-I	1	565202.3419	1648160.3302
	2	565201.4278	1648158.9366
076-I	1	565204.5176	1648153.254
	2	565203.9252	1648152.249
077-I	1	565210.4102	1648155.0380
	2	565209.5050	1648153.6384
078-I	1	565212.8965	1648149.268
	2	565212.464	1648148.184
079-I	1	565219.0654	1648146.677
	2	565218.521	1648145.645
080-I	1	565226.8889	1648142.1000
	2	565226.1012	1648141.2394
081-I	1	565229.3566	1648140.2344
	2	565228.5688	1648139.3738
082-I	1	565234.2557	1648136.37
	2	565233.4679	1648135.509
083-I	1	565236.416	1648134.053
	2	565235.6282	1648133.193
084-II	1	565243.4862	1648129.275
	2	565240.954	1648126.509
085-II	1	565248.9147	1648122.724
	2	565246.3825	1648119.958
086-II	1	565255.9187	1648117.894
	2	565253.3865	1648115.128
087-I	1	565261.4696	1648111.456
	2	565260.6818	1648110.596

565196.7169, 1648109.1402 (FDC-000240)

565199.2493, 1648111.9065 (FDC-000240)

CONTROL POINT LOCATIONS

ID	CNTL PNT	NORTHING	EASTING
088-I	1	565266.0889	1648107.228
	2	565265.3012	1648106.367
089-II	1	565272.9903	1648102.265
	2	565270.4582	1648099.499
090-II	1	565278.4188	1648095.714
	2	565275.8866	1648092.948
091-II	1	565284.5788	1648089.962
	2	565282.0466	1648087.196
092-I	1	565290.9737	1648084.446
	2	565290.1859	1648083.586
093-I	1	565297.7805	1648078.215
	2	565296.9927	1648077.355
094-I	1	565304.4109	1648071.791
	2	565303.6231	1648070.931
095-II	1	565310.4702	1648065.981
	2	565307.938	1648063.215
096-III	1	565314.6665	1648061.262
	2	565311.123	1648057.391
097-III	1	565321.2648	1648053.66
	2	565317.7213	1648049.789
098-III	1	565329.4185	1648047.757
	2	565325.8749	1648043.886
099-II	1	565334.489	1648043.993
	2	565331.9569	1648041.227
100-I	1	565340.803	1648038.476
	2	565340.0152	1648037.615
101-I	1	565347.2012	1648032.973
	2	565346.4134	1648032.112
102-I	1	565353.8395	1648026.896
	2	565353.0517	1648026.035
103-I	1	565360.3886	1648020.9
	2	565359.6009	1648020.04
104-I	1	565362.7781	1648020.4068
	2	565361.6527	1648019.1775
105-I	1	565402.7685	1647983.7971
	2	565401.6431	1647982.5678
106-I	1	565403.9178	1647980.098
	2	565403.13	1647979.237
107-I	1	565411.2884	1647974.303
	2	565410.5006	1647973.443
108-I	1	565413.5981	1647972.189
	2	565412.8103	1647971.328
109-II	1	565420.4893	1647967.236
	2	565417.9571	1647964.47
110-II	1	565425.9837	1647960.756
	2	565423.4515	1647957.99
111-II	1	565432.9218	1647955.854
	2	565430.3896	1647953.088
112-I	1	565438.4729	1647949.417
	2	565437.6852	1647948.556
113-I	1	565445.8717	1647942.643
	2	565445.0839	1647941.783
114-I	1	565453.2477	1647935.891
	2	565452.4599	1647935.03
115-I	1	565460.6236	1647929.138
	2	565459.8358	1647928.278
116-I	1	565467.9996	1647922.386
	2	565467.2118	1647921.525

CONTROL POINT LOCATIONS

ID	CNTL PNT	NORTHING	EASTING
117-I	1	565475.3756	1647915.633
	2	565474.5878	1647914.773
118-I	1	565481.4136	1647909.752
	2	565480.6258	1647908.892
119-II	1	565487.4727	1647903.942
	2	565484.9405	1647901.176
120-III	1	565491.669	1647899.223
	2	565488.1255	1647895.352
121-III	1	565498.2673	1647891.621
	2	565494.7238	1647887.75
122-III	1	565505.6433	1647884.868
	2	565502.0997	1647880.997
123-III	1	565513.7969	1647878.965
	2	565510.2534	1647875.095
124-II	1	565518.8675	1647875.201
	2	565516.3353	1647872.435
125-I	1	565525.1888	1647869.677
	2	565524.401	1647868.817
126-I	1	565531.5794	1647864.181
	2	565530.7916	1647863.32
127-I	1	565534.3969	1647861.602
	2	565533.6091	1647860.741
128-I	1	565541.7728	1647854.849
	2	565540.9851	1647853.989
129-I	1	565547.8107	1647848.968
	2	565547.0229	1647848.107
130-II	1	565553.87	1647843.158
	2	565551.3378	1647840.392
131-III	1	565558.0663	1647838.438
	2	565554.5228	1647834.568
132-III	1	565564.6646	1647830.836
	2	565561.1196	1647826.964
133-III	1	565572.8182	1647824.933
	2	565569.2747	1647821.063
134-II	1	565577.8888	1647821.169
	2	565575.3567	1647818.403
135-I	1	565584.2101	1647815.645
	2	565583.4224	1647814.785
136-I	1	565590.6007	1647810.149
	2	565589.8129	1647809.289
137-II	1	565596.658	1647804.265
	2	565594.1259	1647801.499
138-II	1	565602.9962	1647798.707
	2	565600.4641	1647795.941
139-II	1	565609.9346	1647793.805
	2	565607.4024	1647791.039
140-I	1	565615.3167	1647787.184
	2	565614.5289	1647786.323
141-I	1	565622.8615	1647780.616
	2	565622.0737	1647779.755
142-I	1	565630.0686	1647773.679
	2	565629.2808	1647772.818
143-I	1	565637.6485	1647767.076
	2	565636.8607	1647766.215
144-I	1	565644.857	1647760.141
	2	565644.0692	1647759.28
145-I	1	565652.4004	1647753.571
	2	565651.6126	1647752.71

CONTROL POINT LOCATIONS

ID	CNTL PNT	NORTHING	EASTING
146-I	1	565659.7764	1647746.819
	2	565658.9886	1647745.958
147-II	1	565666.5679	1647741.318
	2	565664.0357	1647738.552
148-III	1	565671.2655	1647734.602
	2	565667.722	1647730.731
149-II	1	565672.6152	1647728.1131
	2	565668.8822	1647728.4708
150-II	1	565677.2449	1647727.6695
	2	565673.5120	1647728.0272
151-II	1	565673.1776	1647724.9618
	2	565669.4447	1647725.3195
152-II	1	565677.7974	1647724.5192
	2	565674.0645	1647724.8768
153-I	1	565671.8186	1647721.387
	2	565670.6708	1647721.178
154-III	1	565676.5561	1647716.63
	2	565671.3222	1647716.249
155-III	1	565677.0551	1647709.631
	2	565671.8212	1647709.25
156-III	1	565677.5544	1647702.629
	2	565672.3204	1647702.247
157-I	1	565680.1706	1647699.2656
	2	565678.5046	1647699.3111
158-I	1	565674.0412	1647694.517
	2	565672.8776	1647694.433
159-I	1	565674.7524	1647684.543
	2	565673.5888	1647684.458
160-I	1	565675.4635	1647674.568
	2	565674.2999	1647674.483
161-I	1	565679.3598	1647669.9834
	2	565677.6939	1647670.0294
162-I	1	565209.7998	1648150.5034
	2	565209.3674	1648149.4198

FDC-000149

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SYMRODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	12/23/20	SJD	KF	SJD	NDC-000051 - LANDSCAPE WALL COORDINATION
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

BRENT J. DESPRADEL — STATE OF WASHINGTON — 19008 — PROFESSIONAL ENGINEER — 12/23/2020 — EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19

Kiewit

REVIEWED BY: T. KRAUPA — DATE: 11/04/19

LINE IS 1" AT FULL SCALE

City of Redmond

SCALE: NTS
FILENAME: 123-B27-LHP108

SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

LANDSCAPE CONTROL POINT LOCATIONS
SHEET 4 OF 4

DRAWING No.: B27-LHP108
FACILITY ID: B27
SHEET No.: 123
REV.: 1

RECORD DRAWING #23-2258

12/23/20 | 10:21 AM | ALYSSA.SOLIZ
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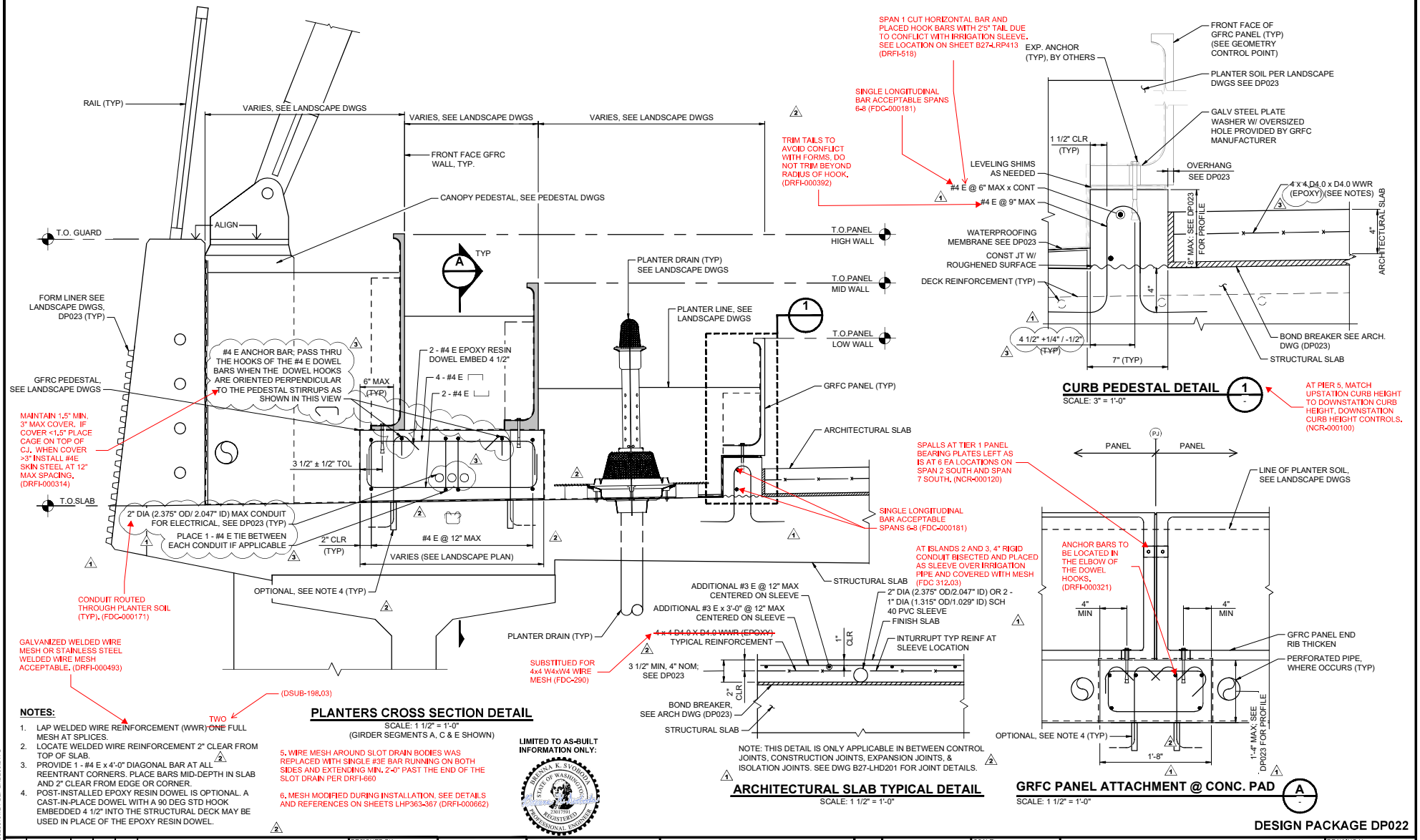

CURB PEDESTAL DETAIL 1

SCALE: 3" = 1'-0"

ARCHITECTURAL SLAB TYPICAL DETAIL

SCALE: 1 1/2" = 1'-0"

GRFC PANEL ATTACHMENT @ CONC. PAD A

SCALE: 1 1/2" = 1'-0"

PLANTERS CROSS SECTION DETAIL

SCALE: 1 1/2" = 1'-0"
(GIRDER SEGMENTS A, C & E SHOWN)

NOTES:

1. LAP WELDED WIRE REINFORCEMENT (WWR) AT SPLICES.
2. LOCATE WELDED WIRE REINFORCEMENT 2" CLEAR FROM TOP OF SLAB.
3. PROVIDE 1 - #4 E x 4'-0" DIAGONAL BAR AT ALL REENTRANT CORNERS. PLACE BARS MID-DEPTH IN SLAB AND 2" CLEAR FROM EDGE OR CORNER.
4. POST-INSTALLED EPOXY RESIN DOWEL IS OPTIONAL. A CAST-IN-PLACE DOWEL WITH A 90 DEG STD HOOK EMBEDDED 4 1/2" INTO THE STRUCTURAL DECK MAY BE USED IN PLACE OF THE EPOXY RESIN DOWEL.
5. WIRE MESH AROUND SLOT DRAIN BODIES WAS REPLACED WITH SINGLE #3E BAR RUNNING ON BOTH SIDES AND EXTENDING MIN. 2'-0" PAST THE END OF THE SLOT DRAIN PER DRFI-660
6. MESH MODIFIED DURING INSTALLATION, SEE DETAILS AND REFERENCES ON SHEETS LHP363-367 (DRFI-000662)

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA, STATE OF WASHINGTON, 23017, REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
3	09/10/21	SJD	KF	SJD	NDC-000071 - PIER 2 ELECTRICAL CONDUIT REVISIONS
2	12/23/20	SJD	KF	SJD	NDC-000051 - LANDSCAPE WALL COORDINATION
1	09/28/20	SJD	KF	SJD	NDC-000027 - REVISED FROM LINER
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JEFFREY J. DESPRADEL, STATE OF WASHINGTON, 19911, REGISTERED PROFESSIONAL ENGINEER
9/10/21 EXP: 3/15/23

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19
REVIEWED BY: T. KRAUPA | DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: AS NOTED
FILENAME: 124-B27-LHD200

RTS PEDESTRIAN BRIDGE

LANDSCAPE SECTIONS AND DETAILS
SHEET 1 OF 5

DRAWING No.: B27-LHD200
FACILITY ID: B27
SHEET No.: 124
REV: 3

RECORD DRAWING #23-2259

09/08/21 | 6:29 PM | ALYSSA.SOLIZ
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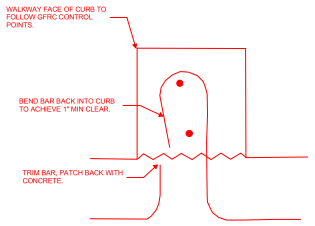
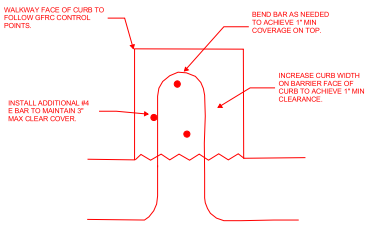


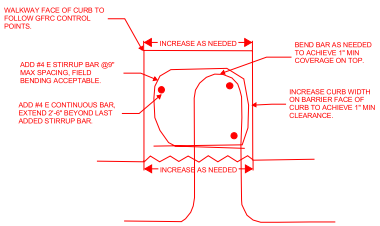
NCR-000080 SCENARIO #1

SCALE: 3" = 1'-0"



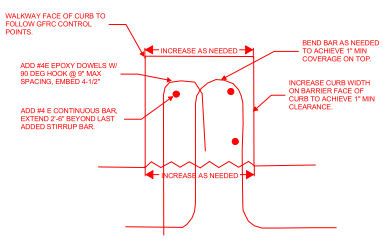
NCR-000080 SCENARIO #2

SCALE: 3" = 1'-0"



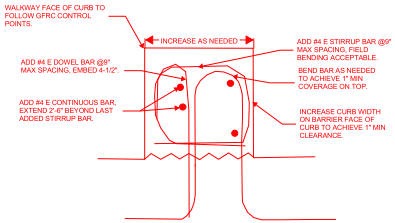
NCR-000080 SCENARIO #3 OPTION #1

SCALE: 3" = 1'-0"



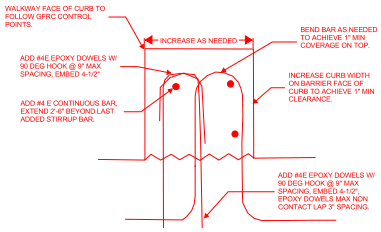
NCR-000080 SCENARIO #3 OPTION #2

SCALE: 3" = 1'-0"



NCR-000080 SCENARIO #4 OPTION #1

SCALE: 3" = 1'-0"

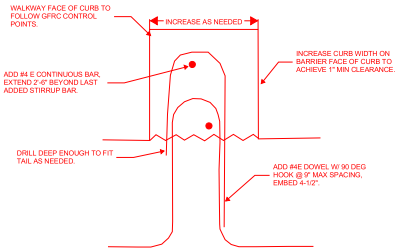


NCR-000080 SCENARIO #4 OPTION #2

SCALE: 3" = 1'-0"

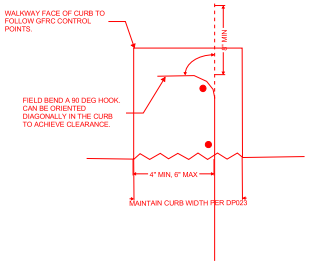
NOTES:

1. NCR-000080 SCENARIO #1 OCCURS BETWEEN GFRC PEDESTAL 116 AND GFRC PEDESTAL 119, AT GFRC PEDESTAL 99, BETWEEN GFRC PEDESTALS 87 AND 98, AND BETWEEN GFRC PEDESTALS 53 AND 54.
2. NCR-000080 SCENARIO #2 OCCURS AT GFRC PEDESTAL 13, AT GFRC PEDESTAL 139, BETWEEN GFRC PEDESTALS 29 AND 30, AT GFRC PEDESTAL 33, BETWEEN GFRC PEDESTAL 45 AND 46, BETWEEN GFRC PEDESTAL 47 AND 48, AT GFRC PEDESTAL 57, BETWEEN GFRC PEDESTAL 58 AND 59, AND BETWEEN GFRC PEDESTAL 85 AND 86.
3. NCR-000080 SCENARIO #3 OCCURS BETWEEN GFRC PEDESTAL 54 AND 55. BOTH OPTION #1 AND OPTION #2 ARE ACCEPTABLE FOR USE FOR SCENARIO #3.
4. NCR-000080 SCENARIO #4 OCCURS BETWEEN GFRC PEDESTAL 297 AND 299. BOTH OPTION #1 AND OPTION #2 ARE ACCEPTABLE FOR USE FOR SCENARIO #4.



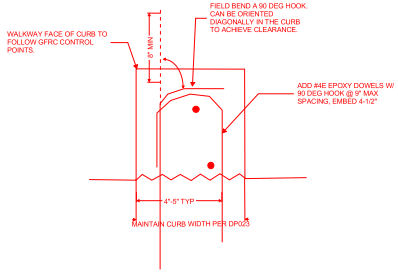
NCR-000095 SCENARIO #1

SCALE: 3" = 1'-0"



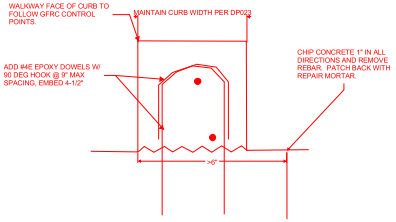
NCR-000123 SCENARIO #1

SCALE: 3" = 1'-0"



NCR-000123 SCENARIO #2

SCALE: 3" = 1'-0"



NCR-000123 SCENARIO #3

SCALE: 3" = 1'-0"

NOTES:

5. NCR-000095 SCENARIO #1 OCCURS BETWEEN GFRC PEDESTALS 88 AND 90, AND BETWEEN GFRC PEDESTALS 48 AND 49.
6. NCR-000123 SCENARIOS #1, #2, AND #3 OCCUR BETWEEN GFRC PEDESTALS 6 AND 13, BETWEEN GFRC PEDESTALS 146 AND 151, BETWEEN GFRC PEDESTALS 78 AND 82, AND BETWEEN GFRC PEDESTALS 68 AND 72. SCENARIO #1 OCCURS WHERE THE VERTICAL BAR IS CENTERED ABOUT THE CURB BEND. SCENARIO #2 OCCURS WHEN THE VERTICAL BAR IS NOT CENTERED AROUND THE CURB BEND. SCENARIO #3 OCCURS WHERE THE VERTICAL BAR FALLS OUTSIDE THE CURB LIMITS.

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: B. SVOBODA
DRAWN BY: S. HESSE-MORGAN
CHECKED BY:
APPROVED BY:

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

Kiewit

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: AS NOTED
FILENAME: 124-B27-LHD200A

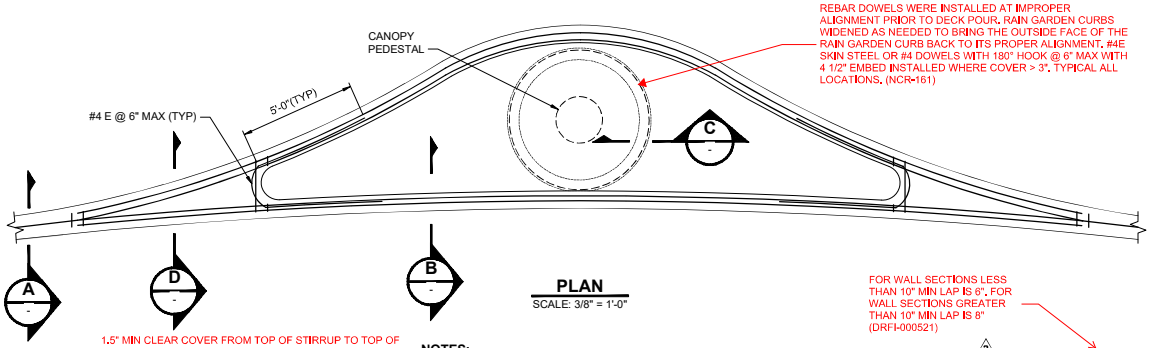
SUBMITTED BY: | DATE: | REVIEWED BY: | DATE: | SUBMITTAL DATE:

RTS PEDESTRIAN BRIDGE

TIER 1 CURB REBAR ADJUSTMENT
SCENARIOS NCR-000080, NCR-000095, NCR-000123

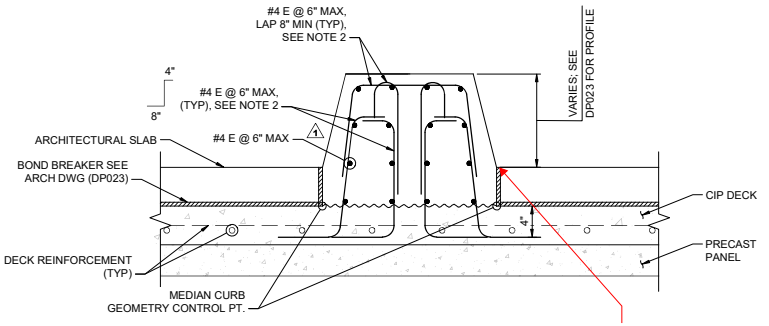
DRAWING No.: B27-LHD200A
FACILITY ID: B27
SHEET No.: | REV: 0

RECORD DRAWING #23-2260



REBAR DOWELS WERE INSTALLED AT IMPROPER ALIGNMENT PRIOR TO DECK POUR. RAIN GARDEN CURBS WIDENED AS NEEDED TO BRING THE OUTSIDE FACE OF THE RAIN GARDEN CURB BACK TO ITS PROPER ALIGNMENT. #4E SKIN STEEL OR #4 DOWELS WITH 180° HOOK @ 6" MAX WITH 4 1/2" EMBED INSTALLED WHERE COVER > 3". TYPICAL ALL LOCATIONS. (NCR-161)

PLAN
SCALE: 3/8" = 1'-0"



RAISED MEDIAN CURB D
SCALE: 1 1/2" = 1'-0"

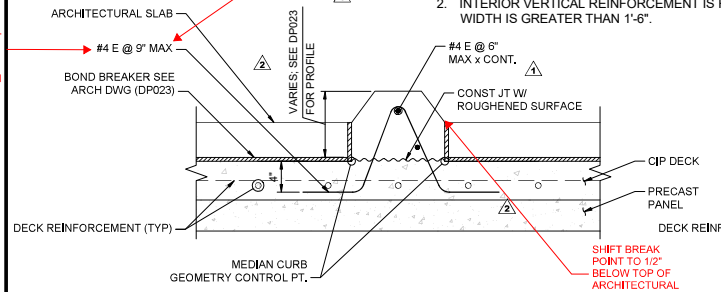
SHIFT BREAK POINT TO 1/2" BELOW TOP OF ARCHITECTURAL SLAB. (FDC-000217)

1.5" MIN CLEAR COVER FROM TOP OF STIRRUP TO TOP OF CURB, 3" MAX CLEAR COVER. STIRRUP MAY BE PLACED ON TOP OF MAIN DECK LONGITUDINAL BAR IF CONTINUOUS #3 EPOXY ANCHOR BAR W/ 12" TAIL BEYOND LAST STIRRUP IS PRESENT ON EACH SIDE. STIRRUPS CAN BE PLACED WITH 0" CLEARANCE TO SIP PANELS, TAILS 2" MIN, 2.5" MAX CLEARANCE TO TOP OF CIP DECK. (FDC-000132)

REBAR TRIMMED WHERE CONFLICTING WITH POKE UP FORMWORK. DRILL AND EPOXY #4E BAR AT 9" SPACING WITH 4.5" EMBEDMENT 1" MIN FROM FACE OF CONCRETE. (DRFI-000505)

NOTES:

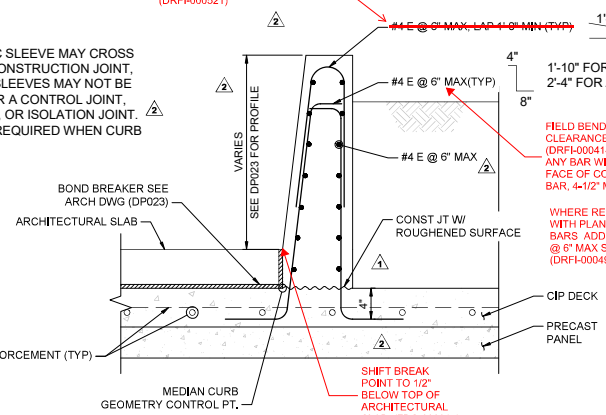
1. A 2" DIA (2.375" OD/2.047") MAX SCH 40 PVC SLEEVE MAY CROSS PERPENDICULAR TO A CONTROL JOINT, CONSTRUCTION JOINT, EXPANSION JOINT, OR ISOLATION JOINT. SLEEVES MAY NOT BE PLACED CONTINUOUSLY PARALLEL UNDER A CONTROL JOINT, CONSTRUCTION JOINT, EXPANSION JOINT, OR ISOLATION JOINT.
2. INTERIOR VERTICAL REINFORCEMENT IS REQUIRED WHEN CURB WIDTH IS GREATER THAN 1'-6".



SHIFT BREAK POINT TO 1/2" BELOW TOP OF ARCHITECTURAL SLAB. (FDC-000217)

MEDIAN CURB A
SCALE: 1 1/2" = 1'-0"

FOR WALL SECTIONS LESS THAN 10" MIN LAP IS 6". FOR WALL SECTIONS GREATER THAN 10" MIN LAP IS 8" (DRFI-000521)

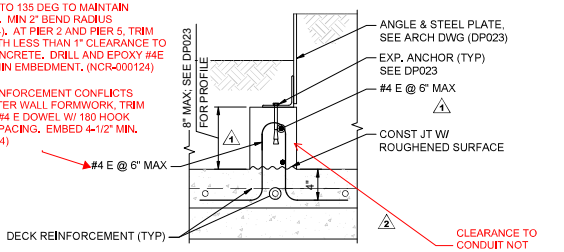


FIELD BEND TO 135 DEG TO MAINTAIN CLEARANCE. MIN 2" BEND RADIUS (DRFI-000414). AT PIER 2 AND PIER 5, TRIM ANY BAR WITH LESS THAN 1" CLEARANCE TO FACE OF CONCRETE. DRILL AND EPOXY #4E BAR, 4-1/2" MIN EMBEDMENT. (NCR-000124)

WHERE REINFORCEMENT CONFLICTS WITH PLANTER WALL FORMWORK, TRIM BARS ADD #4 E DOWEL W/ 180 HOOK @ 6" MAX SPACING. EMBED 4-1/2" MIN. (DRFI-000494)

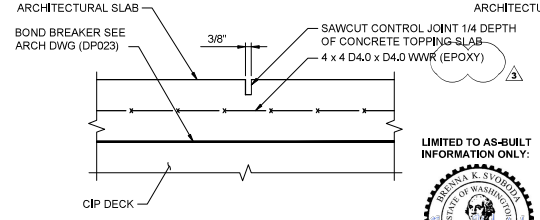
SHIFT BREAK POINT TO 1/2" BELOW TOP OF ARCHITECTURAL SLAB. (FDC-000217)

DOWNSPOUT PLANTER WALL B
SCALE: 1 1/2" = 1'-0"



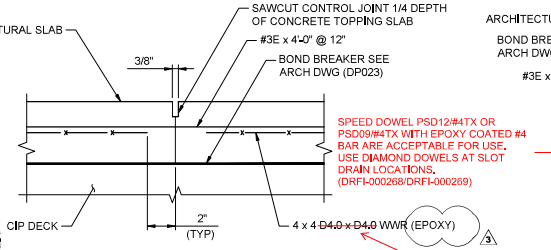
CLEARANCE TO CONDUIT NOT REQUIRED (FDC-586)

RAIN GARDEN INTERIOR CURB C
SCALE: 1 1/2" = 1'-0"



LIMITED TO AS-BUILT INFORMATION ONLY:

CONTROL JOINT*
SCALE: 3" = 1'-0"
* SEE NOTE 1

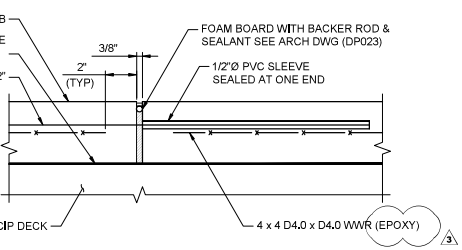


SPEED DOWEL PSD12/#4TX OR PSD09/#4TX WITH EPOXY COATED #4 BAR ARE ACCEPTABLE FOR USE. USE DIAMOND DOWELS AT SLOT DRAIN LOCATIONS. (DRFI-000268/DRFI-000269)

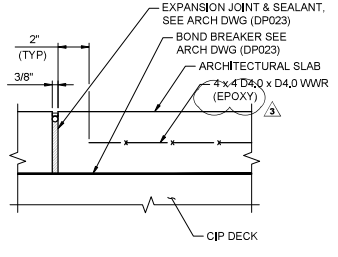
ALTERNATE APPROVED 4x4 W4/W4 (FDC-290)

CONSTRUCTION JOINT*
SCALE: 3" = 1'-0"
* SEE NOTE 1

CONSTRUCTION JOINT MAY BE SUBSTITUTED WITH SAWCUT JOINT UNDER THE CONDITION THAT SAWCUTS ARE PERFORMED BEFORE SHRINKAGE CRACKING OCCURS. (FDC 326)



ISOLATION EXPANSION JOINT*
SCALE: 3" = 1'-0"
* SEE NOTE 1



EXPANSION JOINT AT STRUCTURE*
SCALE: 3" = 1'-0"
* SEE NOTE 1

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
3	09/10/21	SJD	KF	SJD	NDC-000071 - PIER 2 ELECTRICAL CONDUIT REVISIONS
2	12/23/20	SJD	KF	SJD	NDC-000051 - LANDSCAPE WALL COORDINATION
1	09/28/20	SJD	KF	SJD	NDC-000027 - REVISE CURB REINFORCEMENT
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — PROFESSIONAL ENGINEER
9/10/21 EXP: 3/15/23

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 125-B27-LHD201

CityofRedmond

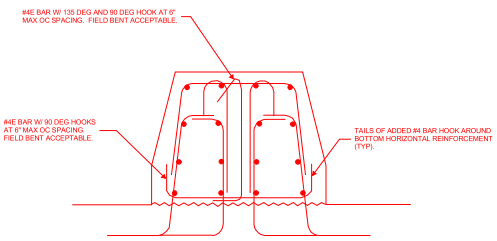
RTS PEDESTRIAN BRIDGE

LANDSCAPE SECTIONS AND DETAILS
SHEET 2 OF 5

DRAWING No.: B27-LHD201
FACILITY ID: B27
SHEET No.: 125
REV.: 3

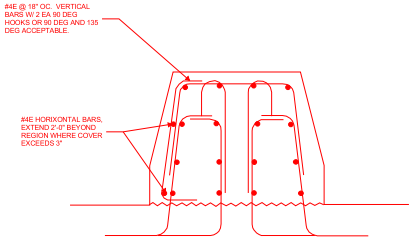
RECORD DRAWING #23-2261

09/08/21 | 6:30 PM | ALYSSA.SOLIZ
C:\PROJECTWISE\WEBSDD\2529\10125-B27-LHD201.DWG



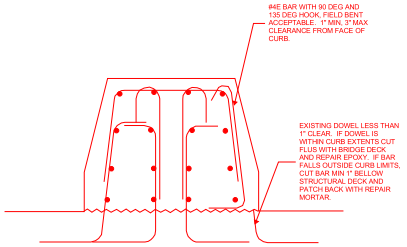
NCR-000129 SCENARIO #1A

SCALE: 1-1/2" = 1'-0"



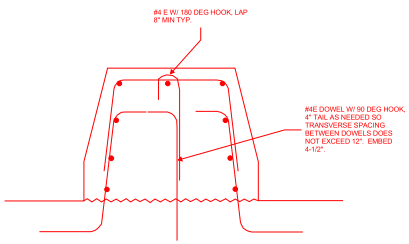
NCR-000129 SCENARIO #1B

SCALE: 1-1/2" = 1'-0"



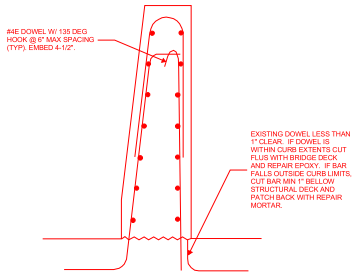
NCR-000129 SCENARIO #1C

SCALE: 1-1/2" = 1'-0"



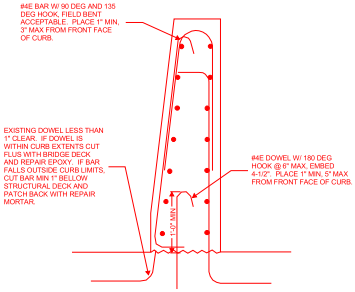
NCR-000129 SCENARIO #1D

SCALE: 1-1/2" = 1'-0"



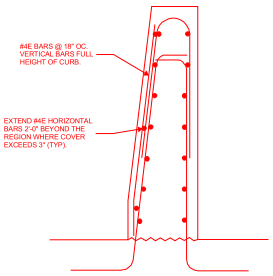
NCR-000129 SCENARIO #2A

SCALE: 1-1/2" = 1'-0"



NCR-000129 SCENARIO #2B

SCALE: 1-1/2" = 1'-0"

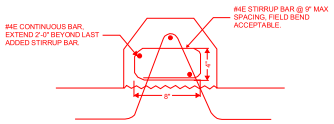


NCR-000129 SCENARIO #2C

SCALE: 1-1/2" = 1'-0"

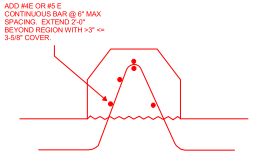
NOTES:

1. SCENARIO 1 OCCURS ON THE SECTION OF CURB ON THE NORTH SIDE OF THE MOST DOWNSTATION MEDIAN PLANTER, THE NORTH SIDE OF THE MEDIAN PLANTER CONTAINING PEDESTAL 148, THE NORTH SIDE OF THE MEDIAN PLANTER CONTAINING PEDESTAL 154, AND THE NORTH SIDE OF THE MEDIAN PLANTER CONTAINING PEDESTAL 156. SCENARIO 1A WAS USED WHEN THERE WAS TOO MUCH REINFORCED SPACE BETWEEN THE DOWEL BARS, SCENARIO 1B WAS USED WHERE CLEARANCE EXCEEDS 3" ON ONE SIDE ONLY, SCENARIO 1C WAS USED WHEN CLEARANCE WAS LESS THAN 1" FROM THE DOWEL TO FACE OF CURB, AND SCENARIO 1D WAS USED WHEN DOWELS WERE NOT INSTALLED IN THE STRUCTURAL DECK.
2. SCENARIO 2 OCCURS AT THE SOUTH SIDE OF THE MOST DOWNSTATION MEDIAN PLANTER, THE SOUTH SIDE OF THE MEDIAN PLANTER CONTAINING PEDESTAL 148, THE SOUTH SIDE OF THE MEDIAN PLANTER CONTAINING PEDESTAL 156, AND THE SOUTH SIDE OF THE MEDIAN PLANTER CONTAINING PEDESTAL 160. SCENARIO 2A WAS USED WHEN CLEARANCE BETWEEN THE DOWEL AND BACK FACE OF THE WALL WAS LESS THAN 1". SCENARIO 2B WAS USED WHEN CLEARANCE BETWEEN THE DOWEL AND FRONT FACE OF THE WALL WAS LESS THAN 1", SCENARIO 2C WAS USED WHEN CLEARANCE EXCEEDS ALLOWABLE LIMIT OF 3" ON ONE SIDE ONLY.
3. SCENARIO 3 OCCURS AT THE DOWNSTATION END OF THE MOST DOWNSTATION MEDIAN PLANTER, BETWEEN PEDESTALS 148 AND 149, AND BETWEEN PEDESTALS 154 AND 155. SCENARIO 3A WAS USED WHEN CLEARANCE EXCEEDED 3-5/8" ON ONE SIDE OF THE CURB, SCENARIO 3B WAS USED WHEN CLEARANCE WAS BETWEEN 3" AND 3-5/8", SCENARIO 3C WAS USED WHEN THE FRONT BAR WAS LESS THAN 1" CLEAR OF FACE OF CURB, SCENARIO 3D WAS USED WHEN CLEARANCE BETWEEN THE STIRRUP AND THE TOP OF CURB WAS GREATER THAN 3-5/8" AND THE STIRRUP WAS PROTRUDING MORE THAN 3" FROM THE TOP OF DECK, AND SCENARIO 3E WAS USED WHEN CLEARANCE BETWEEN THE STIRRUP AND THE TOP OF CURB WAS GREATER THAN 3-5/8" AND THE STIRRUP WAS PROTRUDING LESS THAN 3" FROM THE TOP OF DECK.



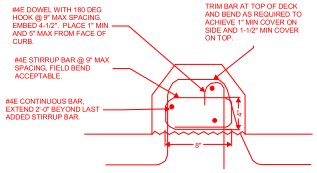
NCR-000129 SCENARIO #3A

SCALE: 1-1/2" = 1'-0"



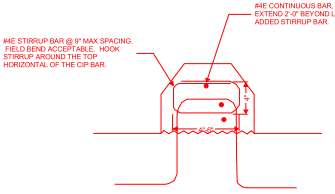
NCR-000129 SCENARIO #3B

SCALE: 1-1/2" = 1'-0"



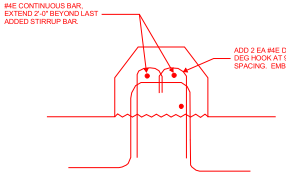
NCR-000129 SCENARIO #3C

SCALE: 1-1/2" = 1'-0"



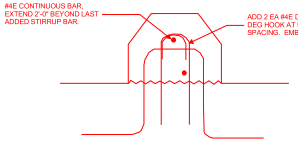
NCR-000129 SCENARIO #3D

SCALE: 1-1/2" = 1'-0"



NCR-000129 SCENARIO #3E

SCALE: 1-1/2" = 1'-0"



NCR-000096.01 SCENARIO #1

SCALE: 1-1/2" = 1'-0"

NOTES:

4. NCR-0000096.01 SCENARIO #1 USED FROM PEDESTAL 161 TO ~25' NORTH OF PEDESTAL 161 WHEN CURB STIRRUP BAR WAS INSTALLED TOO DEEP. NCR-000129 SCENARIO #3E AND NCR-000129 SCENARIO #3D WERE ALSO USED IN THIS AREA.

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 21017787 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: B. SVOBODA
DRAWN BY: S. HESSE-MORGAN
CHECKED BY:
APPROVED BY:

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: | DATE: | REVIEWED BY: | DATE: | SUBMITTAL DATE:

Kiewit

LINE IS 1" AT FULL SCALE

CityofRedmond

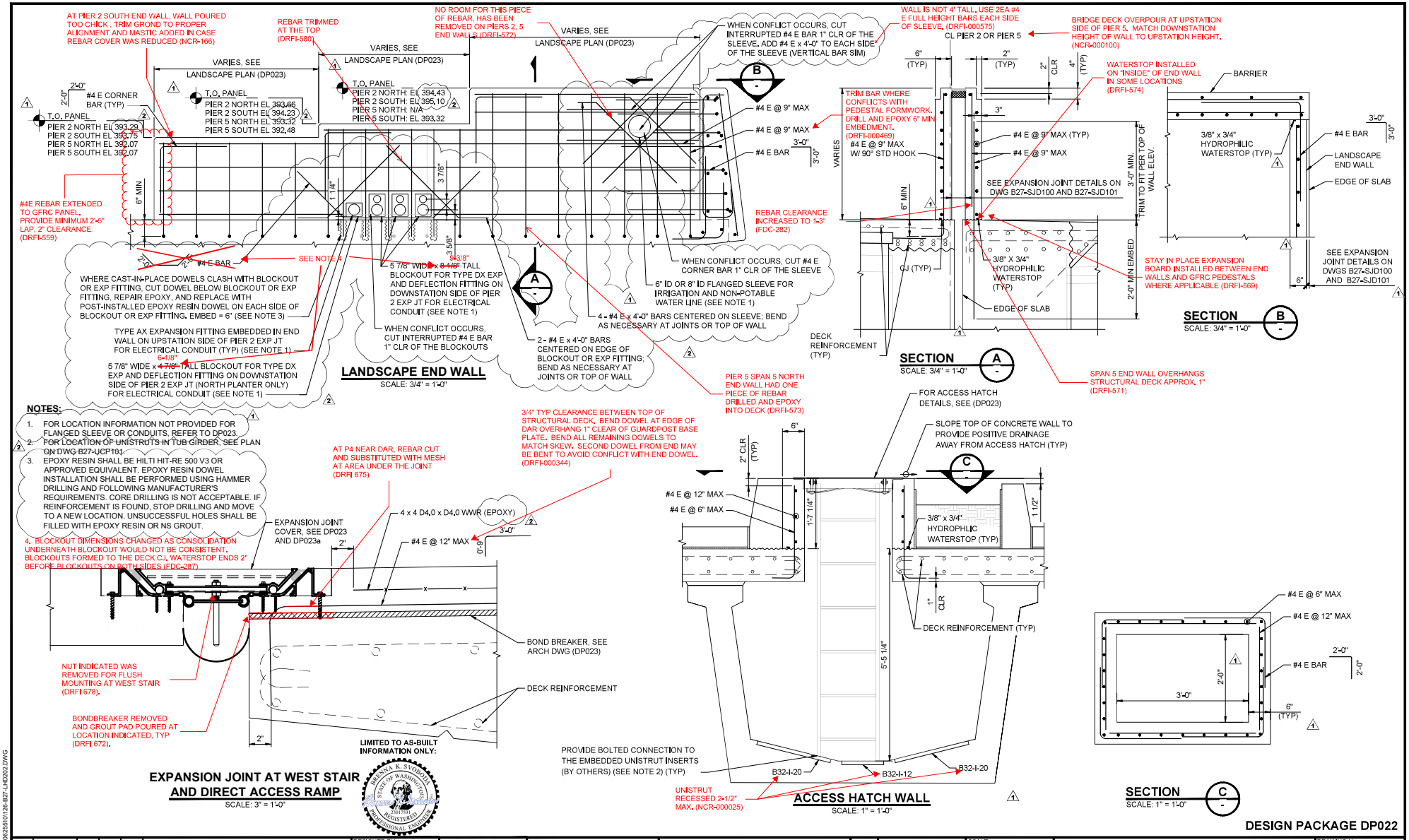
SCALE: AS NOTED
FILENAME: 125-B27-LHD201A

RTS PEDESTRIAN BRIDGE

MEDIAN CURBS AND MEDIAN PLANTER WALL REBAR ADJUSTMENT SCENARIOS NCR-000129 AND NCR-000096.01

DRAWING No.: B27-LHD201A
FACILITY ID: B27
SHEET No.: | REV.: 0

RECORD DRAWING #23-2262

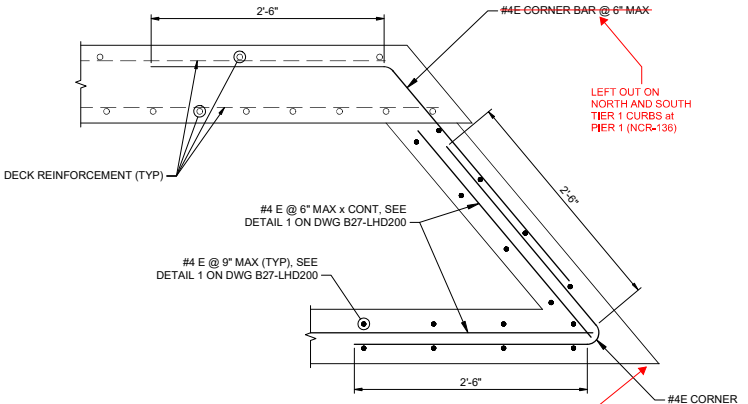


No.	DATE	DSN	CHK	APP	REVISION
2	09/10/21	SJD	KF	SJD	NDC-000071 - PIER 2 ELECTRICAL CONDUIT REVISIONS
1	12/23/20	SJD	KF	SJD	NDC-000051 - LANDSCAPE WALL COORDINATION
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: D. HENDERSON
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL
9/10/21 EXP: 3/15/23
SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20
KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
LINE IS 1" AT FULL SCALE
SCALE: AS NOTED
FILENAME: 126-B27-LHD202
CityofRedmond
RTS PEDESTRIAN BRIDGE
LANDSCAPE SECTIONS AND DETAILS
SHEET 3 OF 5
DRAWING No.: B27-LHD202
FACILITY ID: B27
SHEET No.: 126
REV.: 2

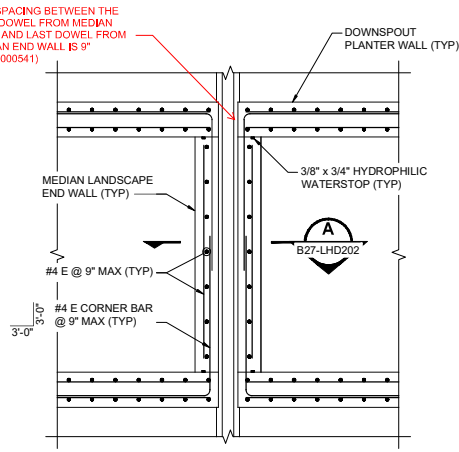
RECORD DRAWING #23-2263

09/09/21 | 11:18 AM | ALYSSA.SOLIZ
C:\PROJECTWISE\WSEDOS2\510126-B27-LHD202.DWG



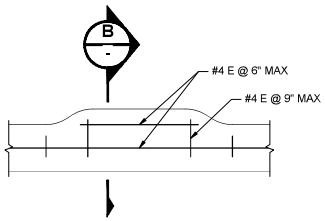
GRFC TIER 1 CURB: CORNER REINFORCEMENT AT BARRIER TERMINATIONS

SCALE: 1 1/2" = 1'-0"



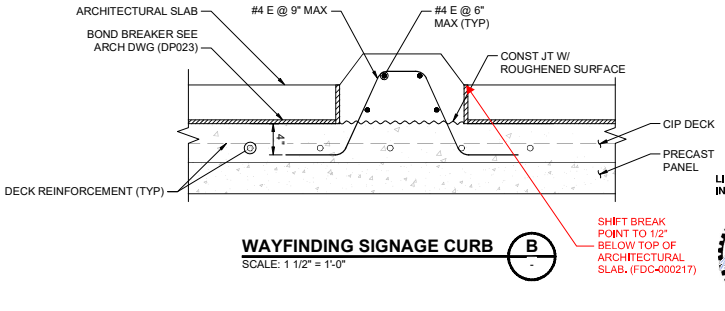
MEDIAN LANDSCAPE END WALL

SCALE: 3/4" = 1'-0"



PLAN

SCALE: 3/4" = 1'-0"



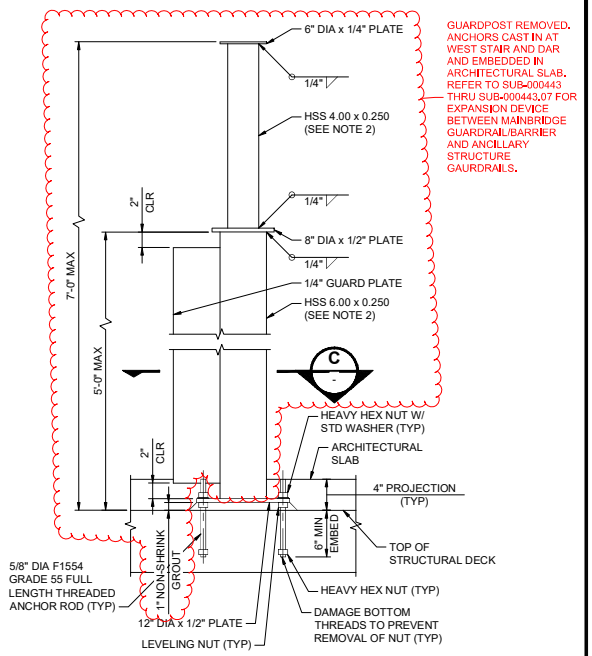
WAYFINDING SIGNAGE CURB B

SCALE: 1 1/2" = 1'-0"

LIMITED TO AS-BUILT INFORMATION ONLY:

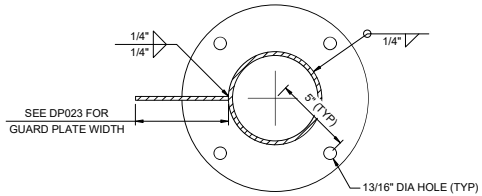
NOTES:

1. SEE DWGS B27-SRP100 AND B27-SRP103 FOR GUARD POST LOCATIONS. SEE ARCHITECTURAL DRAWINGS IN DP023 FOR ADDITIONAL GUARD POST INFORMATION.
2. GUARD POST HSS SHALL BE ASTM A500 GRADE C (YIELD = 46 KSI).



GUARD POST AT WEST STAIR AND DIRECT ACCESS RAMP

SCALE: 1 1/2" = 1'-0"



GUARD POST BASE PLATE C

SCALE: 3" = 1'-0"

NEW SHEET

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	09/10/21	SJD	KF	SJD	NDC-000071 - PIER 2 ELECTRICAL CONDUIT REVISIONS
0	12/23/20	SJD	KF	SJD	NDC-000051 - LANDSCAPE WALL COORDINATION

DESIGNED BY: B. SVOBODA
DRAWN BY: A. SOLIZ
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JARED J. DESPRADEL — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER — 9/10/21 EXP: 3/15/23

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: AS NOTED
FILENAME: 126A-B27-LHD203

RTS PEDESTRIAN BRIDGE

LANDSCAPE SECTIONS AND DETAILS
SHEET 4 OF 5

DRAWING No.: B27-LHD203
FACILITY ID: B27
SHEET No.: 126a
REV.: 1

RECORD DRAWING #23-2264

09/09/21 | 11:20 AM | ALYSSA.SOLIZ
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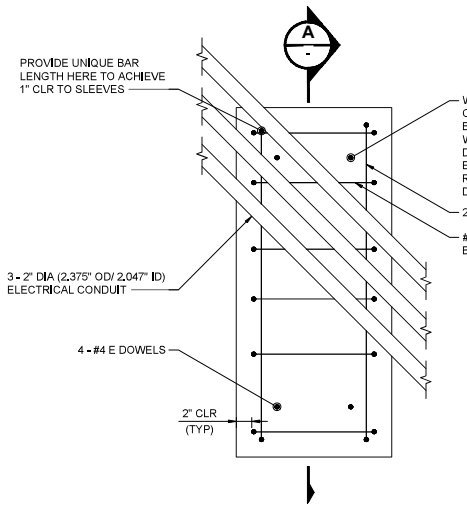
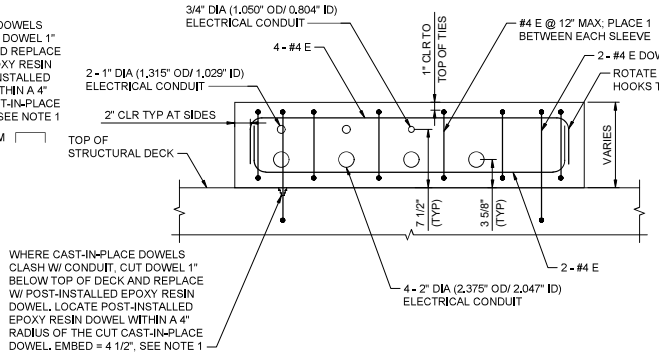


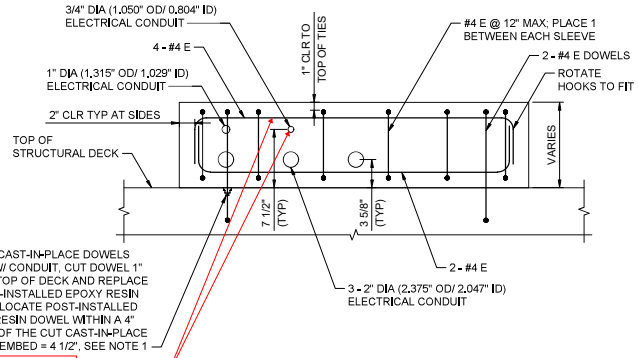
GFRC PEDESTAL 013-II PLAN DETAIL

SCALE: 1 1/2" = 1'-0"
(GFRC PEDESTALS 008-II & 009-II SIMILAR)



GFRC PEDESTAL 151-II DETAIL

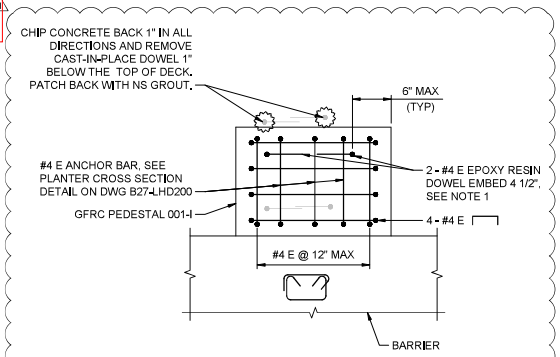
SCALE: 1 1/2" = 1'-0"



GFRC PEDESTAL 149-II DETAIL

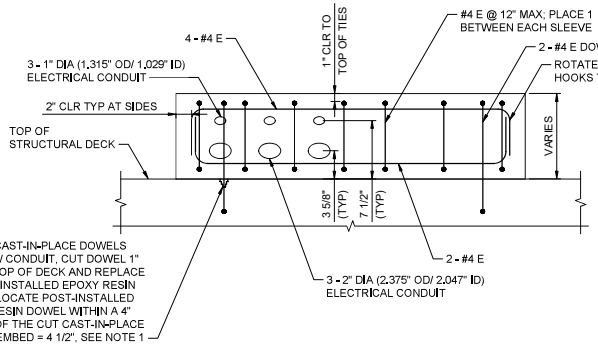
SCALE: 1 1/2" = 1'-0"

DUE TO SPACING OF CONDUIT AND REBAR WRAP BARS, LONGITUDINAL BAR ON THE UPSTATION SIDE IS NOT ABLE TO ACHIEVE BEING ON TOP OF CONDUITS. ADDITIONAL BARS WERE PLACED ABOVE CONSUIT IN LINE WITH BELOW LONGITUDINAL BARS ALTERNATING 135 AND 90 DEGREE HOOKS. (DRFI-510) ⚠1



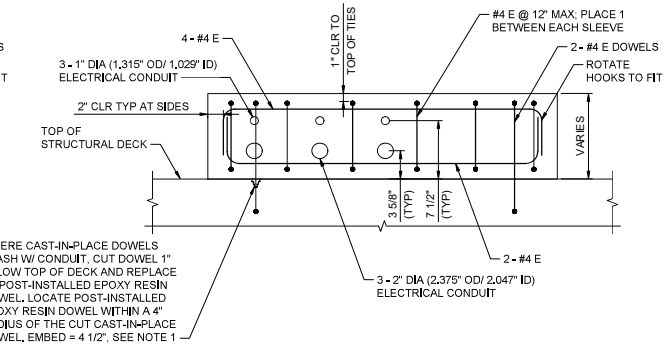
GFRC PEDESTAL 001-I PLAN DETAIL

SCALE: 1 1/2" = 1'-0"



SECTION A

SCALE: 1 1/2" = 1'-0"



GFRC PEDESTAL 009-II DETAIL

SCALE: 1 1/2" = 1'-0"
(GFRC PEDESTAL 010-II SIMILAR)

NOTES:

1. EPOXY RESIN SHALL BE HILTI HIT-RE 500 V3 OR APPROVED EQUIVALENT. EPOXY RESIN DOWEL INSTALLATION SHALL BE PERFORMED USING HAMMER DRILLING AND FOLLOWING MANUFACTURER'S REQUIREMENTS. CORE DRILLING IS NOT ACCEPTABLE. IF REINFORCEMENT IS FOUND, STOP DRILLING AND MOVE TO A NEW LOCATION. UNSUCCESSFUL HOLES SHALL BE FILLED WITH EPOXY RESIN OR NS GROUT. USE CARE WHEN DRILLING IN REGIONS WITH SIP DECK PANELS.

NEW SHEET
⚠0

DESIGN PACKAGE DP022

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENDA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

No.	DATE	DSN	CHK	APP	REVISION
1	10/12/21	SJD	KF	SJD	NDC-000076 GFRC PED 001-I
0	09/10/21	SJD	KF	SJD	NDC-000071 - PIER 2 ELECTRICAL CONDUIT REVISIONS

DESIGNED BY: B. SVOBODA
DRAWN BY: A. SOLIZ
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

DARREL J. DESPRADEL — STATE OF WASHINGTON — 19990 — REGISTERED PROFESSIONAL ENGINEER
10/13/21 EXP: 3/16/23

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1 1/2" = 1'-0"
FILENAME: 126B-B27-LHD204

CityofRedmond

RTS PEDESTRIAN BRIDGE

LANDSCAPE SECTIONS AND DETAILS
SHEET 5 OF 5

DRAWING No.: B27-LHD204
FACILITY ID: B27
SHEET No.: 126b
REV.: 1

RECORD DRAWING #23-2265

10/12/21 7:38 PM | ALYSSA.SOLIZ
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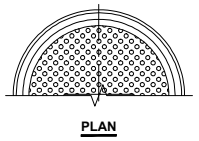
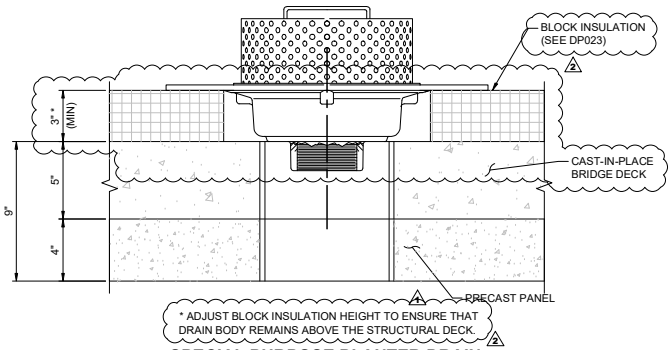
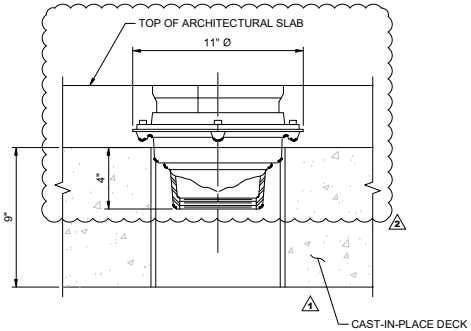
XREF LIST:
rEMD-SB7-B22-34.dwg



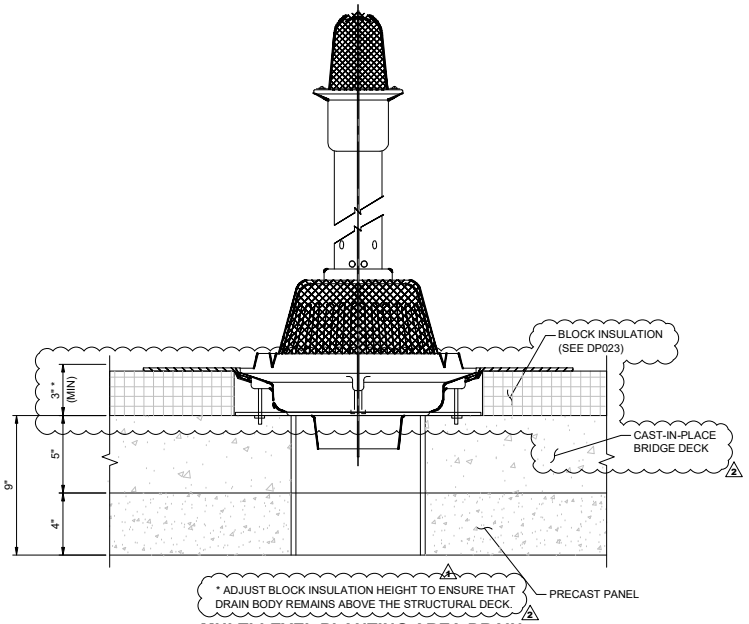
PLAN



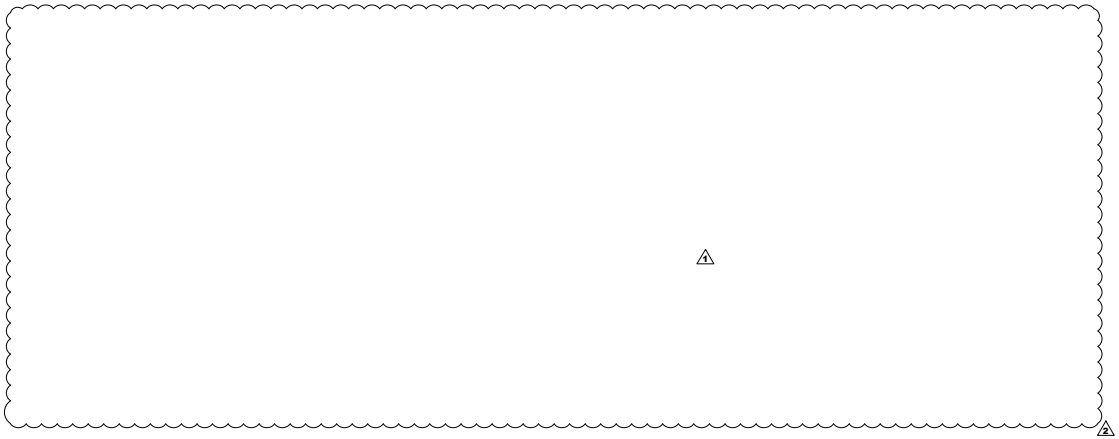
SPECIAL PURPOSE PLANTER DRAIN
SCALE: 3" = 1'-0"



PROMENADE DECK DRAINS
SCALE: 3" = 1'-0"
(ONLY IN THE CIP DECK)



MULTI-LEVEL PLANTING AREA DRAIN
SCALE: 3" = 1'-0"



NOTES:
1. SHOP DRAWINGS INDICATING DRAINAGE FIXTURE ATTACHMENT TO STRUCTURE TO BE SUBMITTED TO ENGINEER FOR REVIEW AND APPROVAL.

2

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	01/22/21	SJD	KF	SJD	NDC-000052 - DRAINAGE COORDINATION
1	09/28/20	SJD	KF	SJD	NDC-000027 - DRAINAGE SLEEVES
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: D. HENDERSON
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JARED J. DESPRADEL — STATE OF WASHINGTON — 22009 — REGISTERED PROFESSIONAL ENGINEER — STRUCTURAL ENGINEER
1/22/21 EXP: 3/15/21

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: 3" = 1'-0"
FILENAME: 127-B27-LHD300

RTS PEDESTRIAN BRIDGE

LANDSCAPE DRAINAGE DETAILS
SHEET 1 OF 6

DRAWING No.: **B27-LHD300**
FACILITY ID: B27
SHEET No.: 127
REV: 2

RECORD DRAWING #23-2266

01/22/21 | 3:15 PM | ALYSSA.SOLIZ
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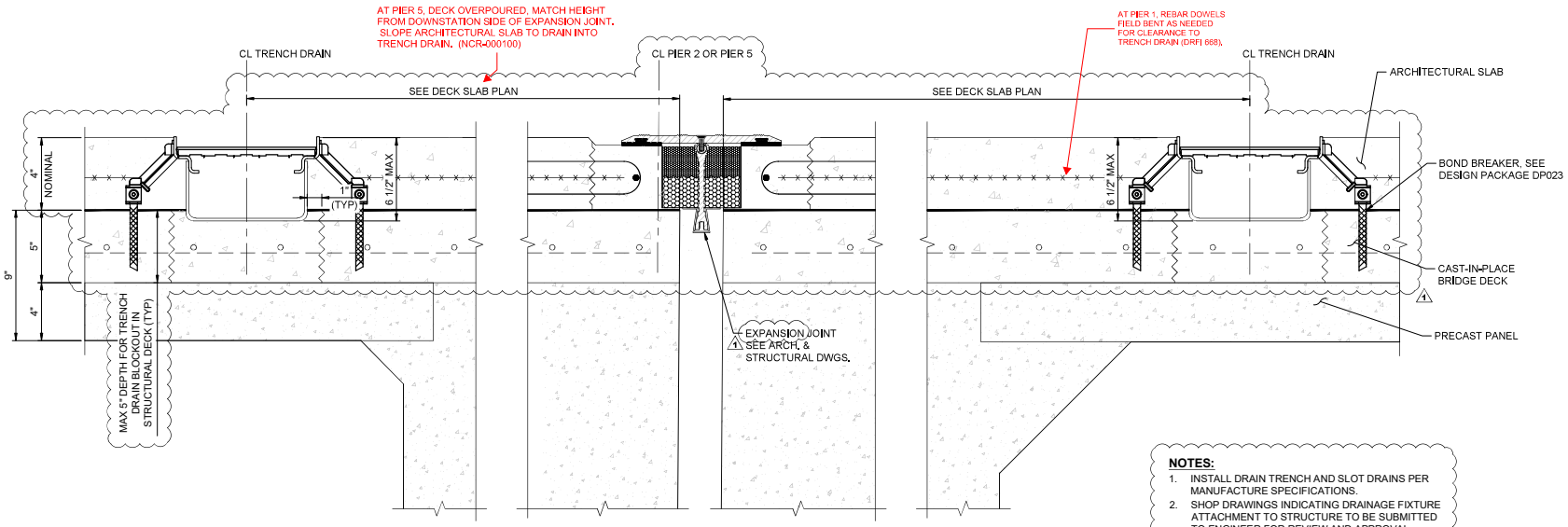
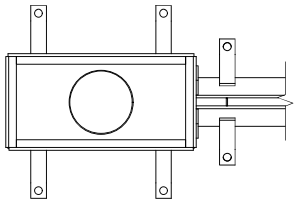
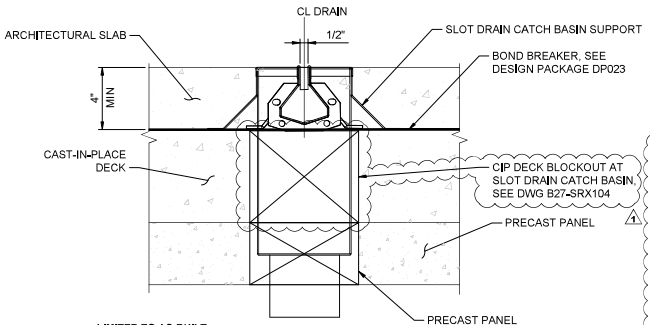


TRENCH DRAIN AT EXPANSION JOINT
SCALE: 3" = 1'-0"

NOTES:
1. INSTALL DRAIN TRENCH AND SLOT DRAINS PER MANUFACTURE SPECIFICATIONS.
2. SHOP DRAWINGS INDICATING DRAINAGE FIXTURE ATTACHMENT TO STRUCTURE TO BE SUBMITTED TO ENGINEER FOR REVIEW AND APPROVAL.



12"x6" SLOT DRAIN CATCH BASIN PLAN
SCALE: 3" = 1'-0"

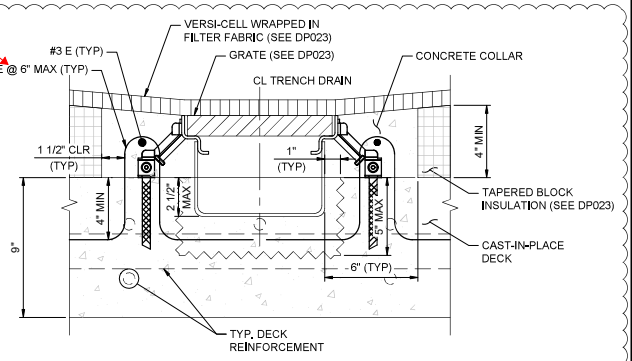


LIMITED TO AS-BUILT INFORMATION ONLY:

SLOT DRAIN SECTION
SCALE: 3" = 1'-0"

AT PEDESTAL 143, REMOVE 3 EA IN CONFLICT WITH THE PEDESTAL. IF ANY PORTION OF THE PEDESTAL OVERHANGS THE DRAIN BLOCKOUT, THE DECK UNDER THE PEDESTAL SHALL BE GROUTED BACK WITH THE TRENCH DRAIN. (DRFI-000468)

CIP TRENCH DRAIN
SCALE: 3" = 1'-0"



CIP TRENCH DRAIN INTERIOR TO PLANTER A
SCALE: 3" = 1'-0"
B27-LHP100 & B27-LHP104

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	01/22/21	SJD	KF	SJD	NDC-000052 - DRAINAGE COORDINATION
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: D. HENDERSON
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

1/22/21 EXP: 3/15/21

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 128-B27-LHD301

RTS PEDESTRIAN BRIDGE

LANDSCAPE DRAINAGE DETAILS
SHEET 2 OF 6

DRAWING No.: B27-LHD301
FACILITY ID: B27
SHEET No.: 128 REV: 1

RECORD DRAWING #23-2267

01/22/21 | 3:19 PM | ALYSSA.SOLIZ
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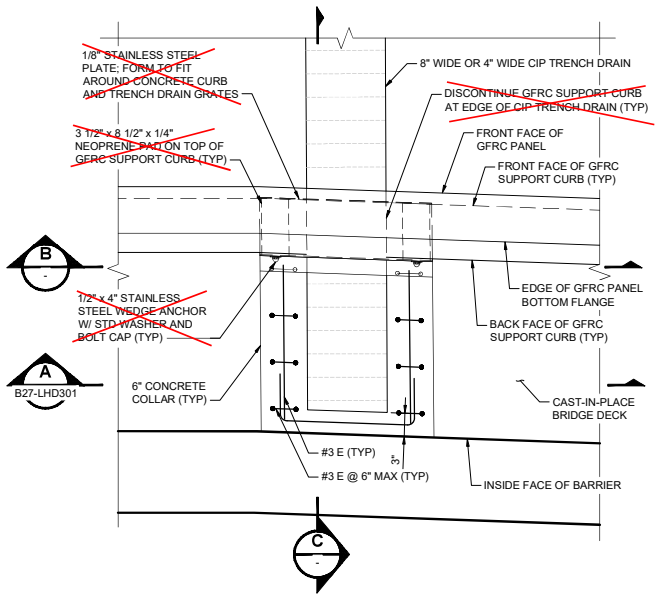
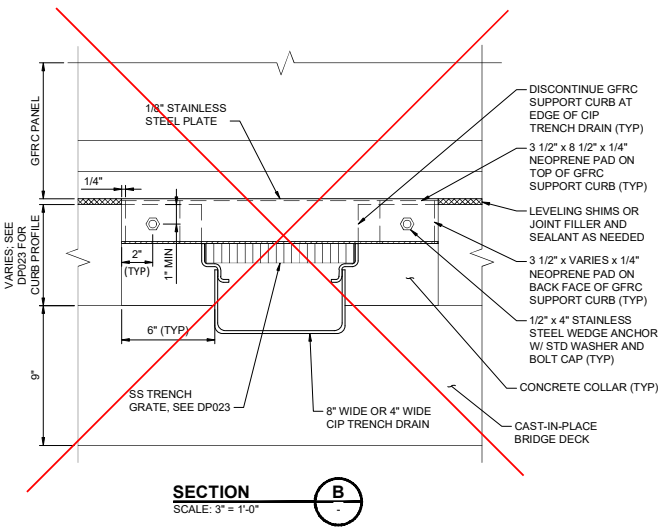


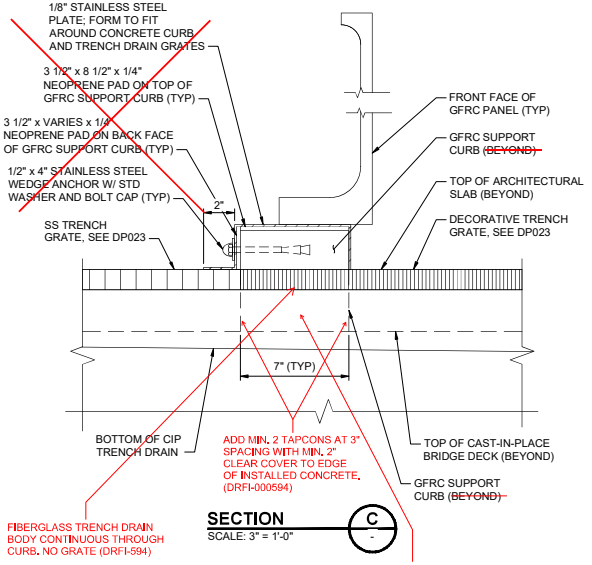
CIP TRENCH DRAIN THROUGH GFRC SUPPORT CURB

SCALE: 1 1/2" = 1'-0"



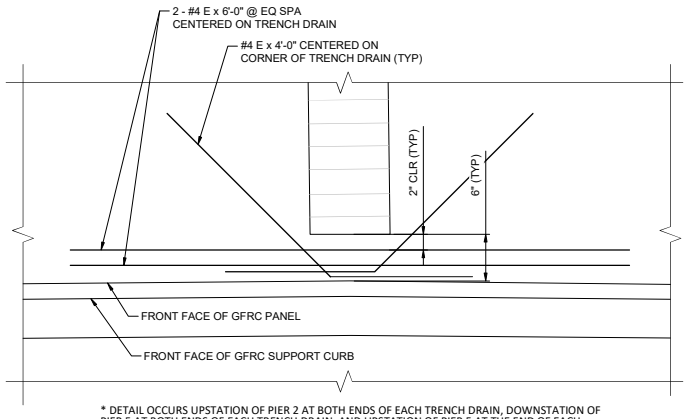
SECTION B

SCALE: 3" = 1'-0"



SECTION C

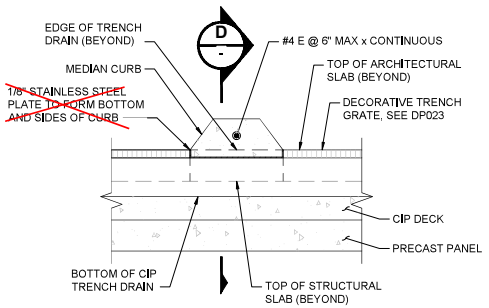
SCALE: 3" = 1'-0"



* DETAIL OCCURS UPSTATION OF PIER 2 AT BOTH ENDS OF EACH TRENCH DRAIN, DOWNSTATION OF PIER 5 AT BOTH ENDS OF EACH TRENCH DRAIN, AND UPSTATION OF PIER 5 AT THE END OF EACH TRENCH DRAIN CLOSEST TO THE MEDIAN.

TERMINATION OF CIP TRENCH DRAIN IN ARCHITECTURAL SLAB*

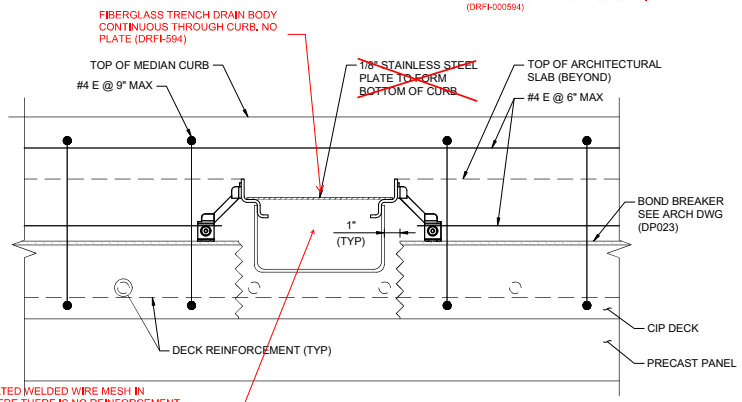
SCALE: 1 1/2" = 1'-0"



LIMITED TO AS-BUILT INFORMATION ONLY:

CIP TRENCH DRAIN THROUGH MEDIAN CURB AT PIERS 1 AND 9

SCALE: 1 1/2" = 1'-0"



ADD EPOXY COATED WELDED WIRE MESH IN POUR-BACK WHERE THERE IS NO REINFORCEMENT PRESENT. EXTENTED MESH INTO ORIGINAL CURB SECTION MIN. 2 MESHES. MIN 1" CLEAR COVER TO FACES OF FINISHED CONCRETE. OR

ADD 1-#3E BAR EXTENDING THROUGH POUR-BACK REGION AND EXTENDING INTO ORIGINAL CURB SECTION WITH MIN. 1'-10" LAP TO REBAR IN ORIGINAL CURB SECTION. MIN 1" CLEAR COVER TO FACE OF FINISHED CONCRETE. (DRFI-000594)

SECTION D

SCALE: 3" = 1'-0"

0 NEW SHEET

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
0	01/22/21	SJD	KF	SJD	NDC-000052 - TRENCH DRAIN REVISIONS

DESIGNED BY: B. SVOBODA
DRAWN BY: A. SOLIZ
CHECKED BY: K. MAYTUM
APPROVED BY: S. DESPRADEL

1/22/21 EXP. 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 128A-B27-LHD302

RTS PEDESTRIAN BRIDGE

LANDSCAPE DRAINAGE DETAILS
SHEET 3 OF 6

DRAWING No.: B27-LHD302
FACILITY ID: B27
SHEET No.: 128a
REV.: 0

RECORD DRAWING #23-2268

PREFLIGHT: I:\B90-B27-B22-34.dwg
01/22/21 | 3:25 PM | ALYSSA.SOLIZ
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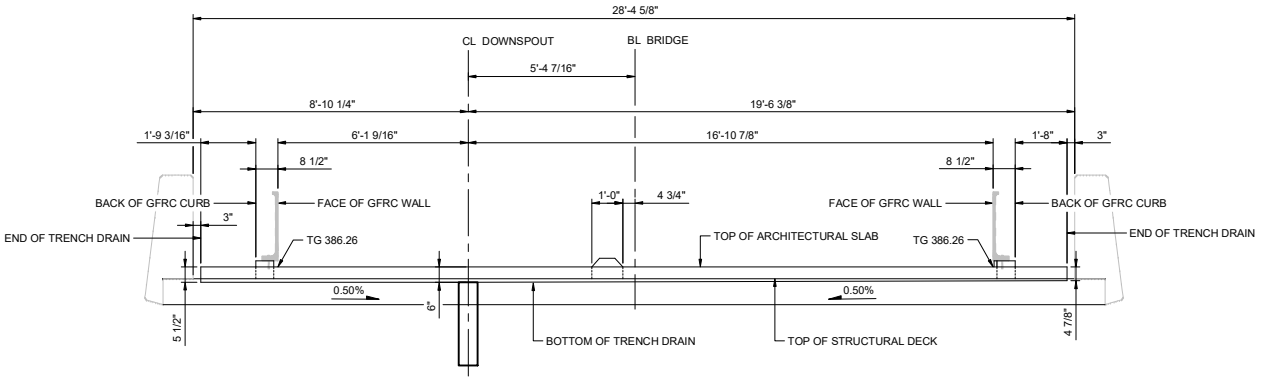
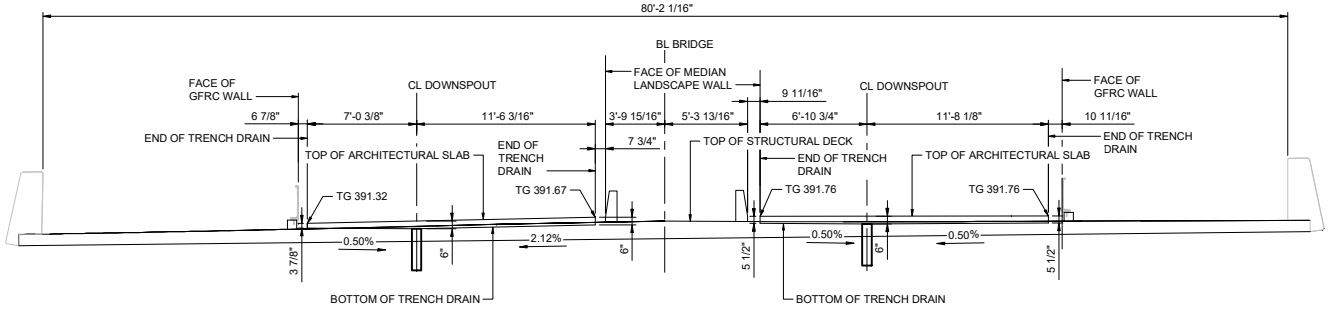


PIER 1 UPSTATION SECTION

NTS

(SHOWN ALONG CL OF TRENCH DRAIN, LOOKING UPSTATION)



PIER 2 UPSTATION SECTION

NTS

(SHOWN ALONG CL OF TRENCH DRAINS, LOOKING UPSTATION)

0 NEW SHEET

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
0	01/22/21	SJD	KF	SJD	NDC-000052 CIP TRENCH DRAINS

DESIGNED BY: B. SVOBODA
DRAWN BY: O. RIVERA
CHECKED BY: K. MAYTUM
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
1/22/21 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/4" = 1'-0"
FILENAME: 128B-B27-LHD303

RTS PEDESTRIAN BRIDGE

LANDSCAPE DRAINAGE DETAILS
SHEET 4 OF 6

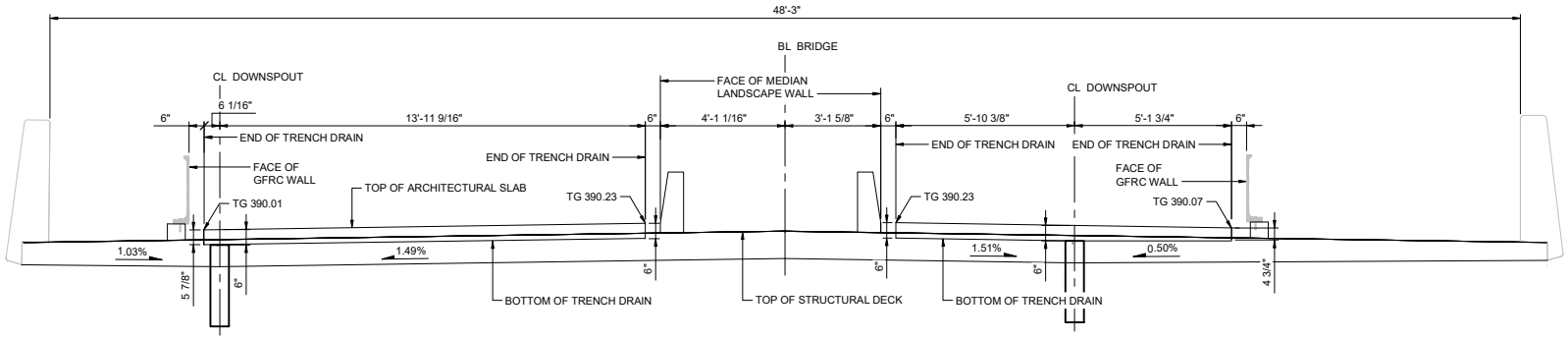
DRAWING No.: **B27-LHD303**
FACILITY ID: B27
SHEET No.: 128b
REV: 0

RECORD DRAWING #23-2269

01/22/21 | 3:30 PM | ALYSSA.SOLIZ
C:\PROJECTWISE\EWSED\D0025910\128B-B27-LHD303.DWG

NOTES:

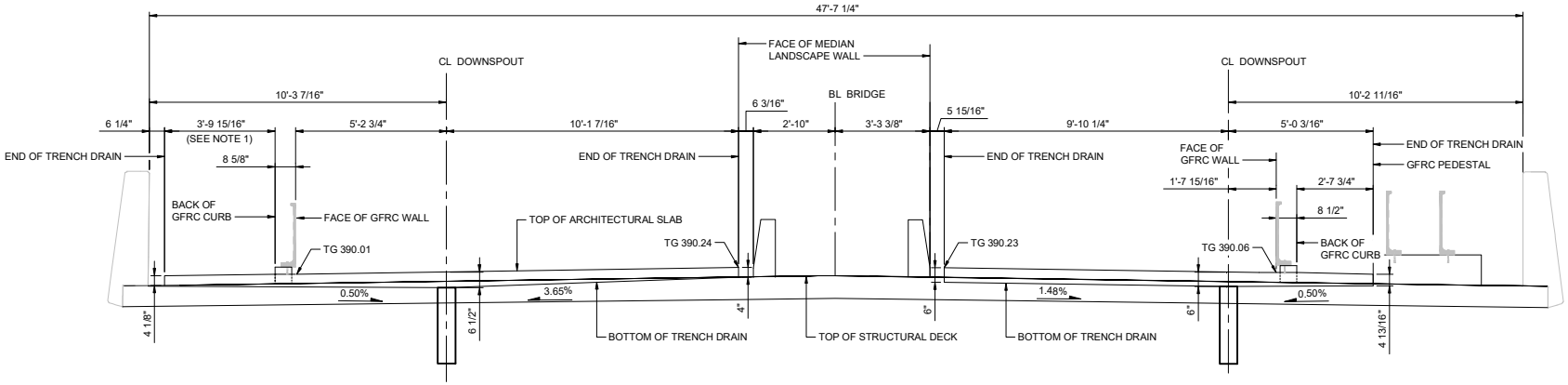
1. TRENCH DRAIN IS ANGLED INTERIOR TO THE PLANTER. SEE PLAN VIEW LAYOUT ON DWG B27-LHP103. ACTUAL DIMENSION ALONG CL OF THE ANGLED PORTION OF THE TRENCH IS 3'-11 3/8".



PIER 5 DOWNSTATION SECTION

NTS

(SHOWN ALONG CL OF TRENCH DRAIN, LOOKING UPSTATION)



PIER 5 UPSTATION SECTION

NTS

(SHOWN ALONG CL OF TRENCH DRAINS, LOOKING UPSTATION)

0 NEW SHEET

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
0	01/22/21	SJD	KF	SJD	NDC-000052 - CIP TRENCH DRAINS

DESIGNED BY: B. SVOBODA
DRAWN BY: O. RIVERA
CHECKED BY: K. MAYTUM
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — PROFESSIONAL ENGINEER
1/22/21 EXP: 3/15/21

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/2" = 1'-0"
FILENAME: 128C-B27-LHD304

CityofRedmond

RTS PEDESTRIAN BRIDGE

LANDSCAPE DRAINAGE DETAILS
SHEET 5 OF 6

DRAWING No.: **B27-LHD304**
FACILITY ID: B27
SHEET No.: 128c
REV: 0

RECORD DRAWING #23-2270

XREF LIST:
I:\EMG-SBT-B22-34.dwg

01/22/21 | 4:04 PM | ALYSSA.SOLIZ
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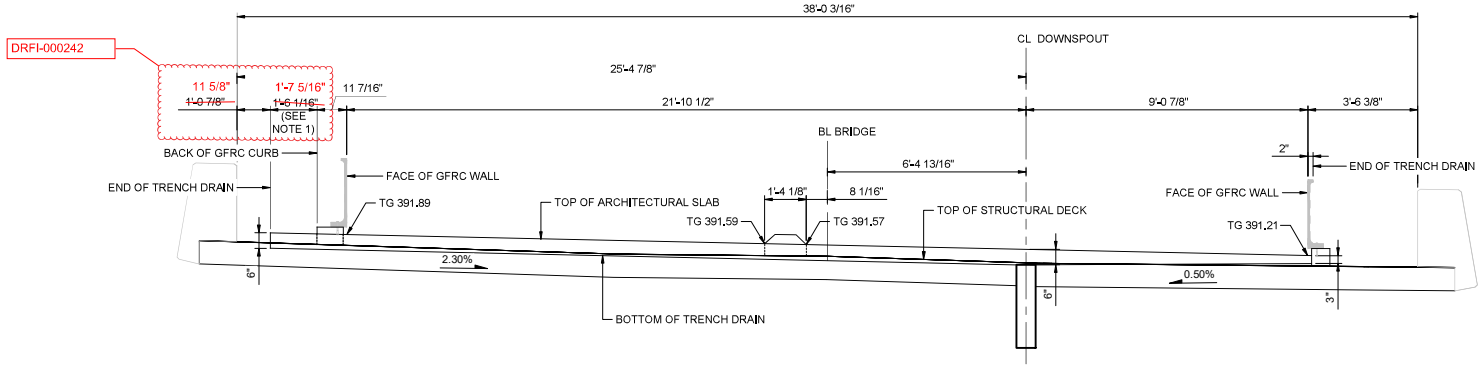
NOTES:

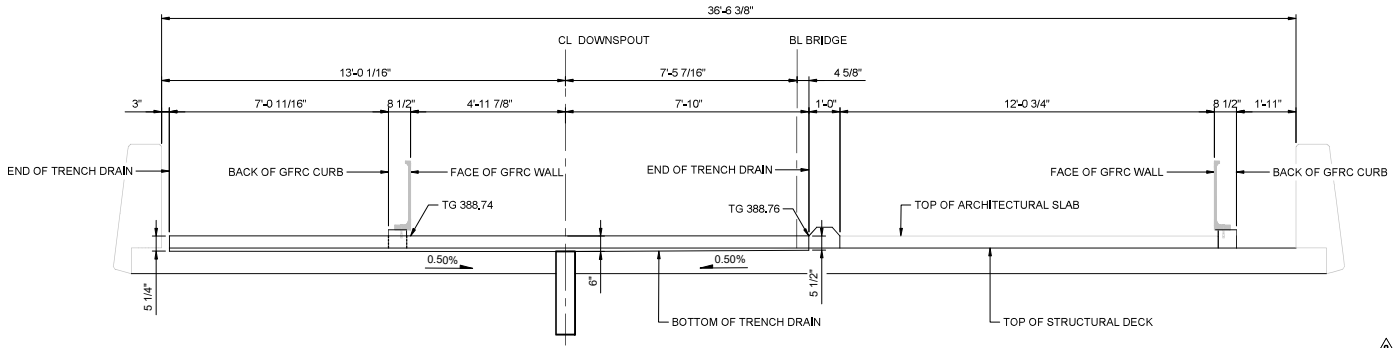
1. TRENCH DRAIN IS ANGLED INTERIOR TO THE PLANTER. SEE PLAN VIEW LAYOUT ON DWG B27-LHP104. ACTUAL DIMENSION ALONG CL OF THE ANGLED PORTION OF THE TRENCH IS ~~2'-1 15/16"~~ 2'-0 3/8" DRFI-000242



PIER 9 DOWNSTATION SECTION

NTS

(SHOWN ALONG CL OF TRENCH DRAIN, LOOKING UPSTATION)



LIMITED TO AS-BUILT INFORMATION ONLY:

WEST STAIR UPSTATION SECTION AT STA 10+87.34

NTS

(SHOWN ALONG CL OF TRENCH DRAIN, LOOKING UPSTATION)

0 NEW SHEET

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
0	01/22/21	SJD	KF	SJD	NDC-000052 - CIP TRENCH DRAINS

DESIGNED BY: B. SVOBODA
DRAWN BY: O. RIVERA
CHECKED BY: K. MAYTUM
APPROVED BY: S. DESPRADEL

1/22/21 EXP: 3/15/21

KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 1/2" = 1'-0"
FILENAME: 128D-B27-LHD305

RTS PEDESTRIAN BRIDGE

LANDSCAPE DRAINGE DETAILS
SHEET 6 OF 6

DRAWING No.: **B27-LHD305**
FACILITY ID: B27
SHEET No.: 128d
REV: 0

RECORD DRAWING #23-2271

PREFLIGHT: 128D-B27-LHD304.dwg
01/22/21 | 4:16 PM | ALYSSA.SOLIZ
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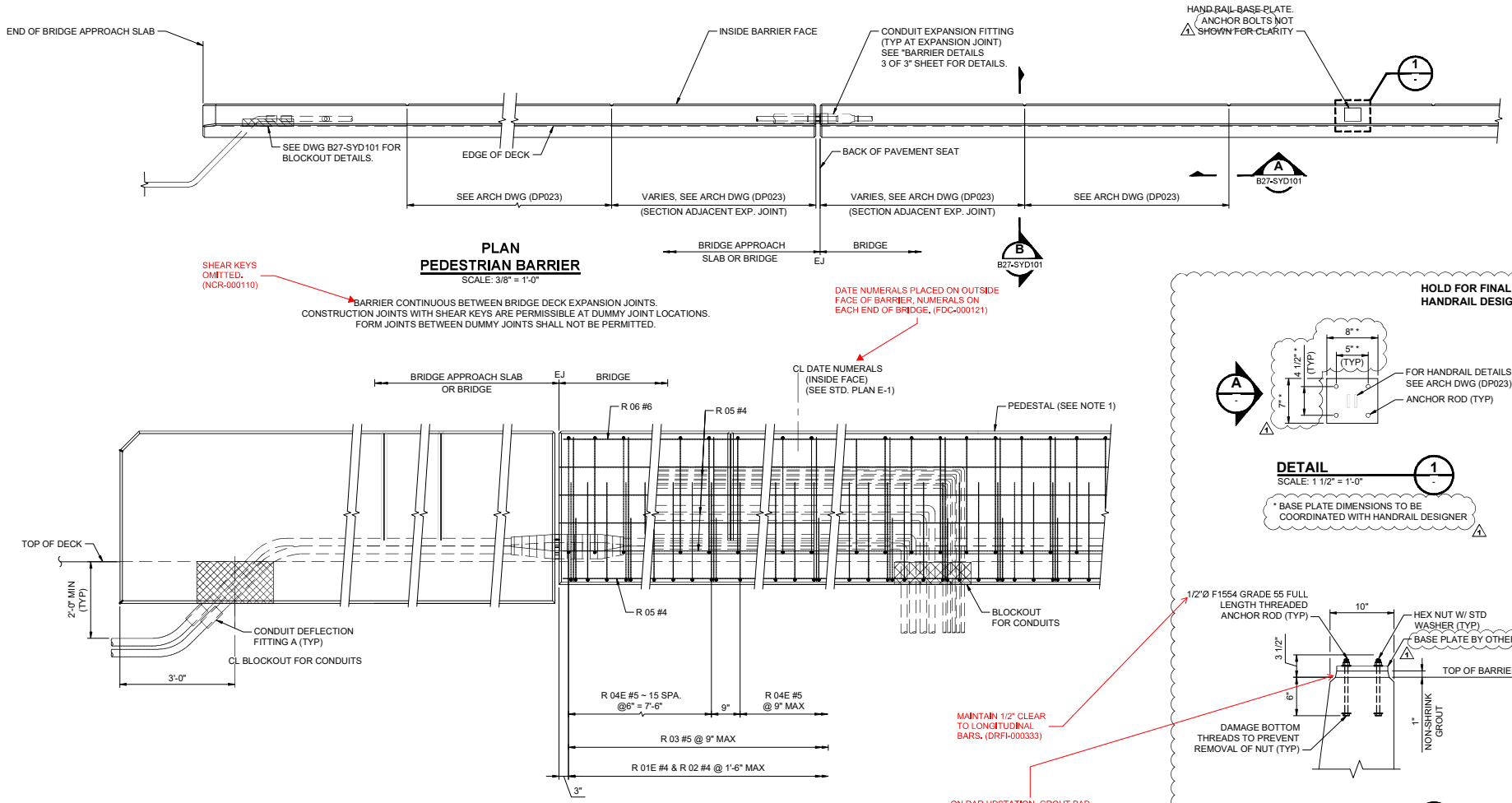

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 20177 — REGISTERED PROFESSIONAL ENGINEER

NOTES:

1. SEE DWG NO. B27-SYD202 FOR ADDITIONAL REINFORCEMENT IN BARRIER AT PEDESTAL LOCATIONS.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	09/28/20	SJD	KF	SJD	NDC-000027 - FINAL BARRIER DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: B. SCHAFFER
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — 20177 — REGISTERED PROFESSIONAL ENGINEER — 9/28/20 — 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 129-B27-SYD100

RTS PEDESTRIAN BRIDGE

BARRIER DETAILS
SHEET 1 OF 3

DRAWING No.: B27-SYD100
FACILITY ID: B27
SHEET No.: 129
REV.: 1

RECORD DRAWING #23-2272

09/24/20 | 5:00 PM | ALYSSA.SOLIZ
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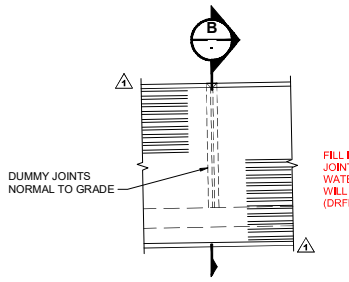
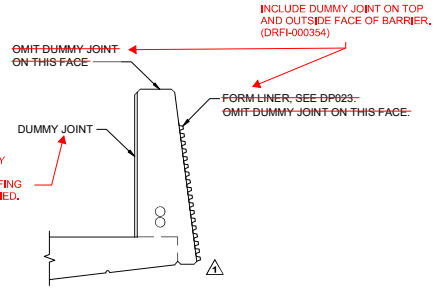
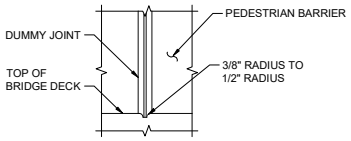


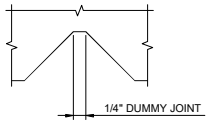
VIEW A
SCALE: 3/4" = 1'-0" B27-SYD100



SECTION B
SCALE: 3/4" = 1'-0" B27-SYD100

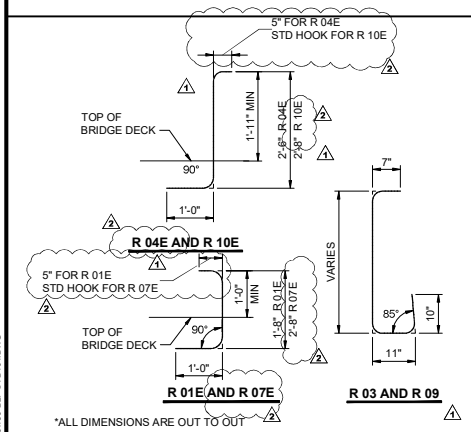


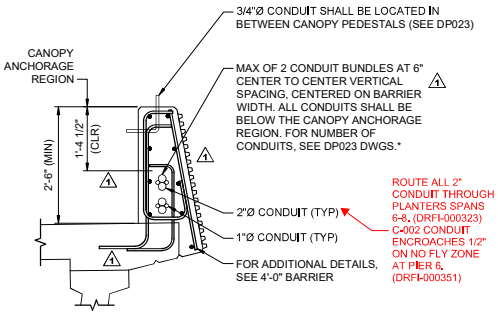
BARRIER JOINT DETAIL
NTS



DUMMY JOINT DETAIL
NTS

BENDING DIAGRAMS





TYPICAL SECTION SHORTER THAN 4'-0" PEDESTRIAN BARRIER
SCALE: 3/4" = 1'-0"

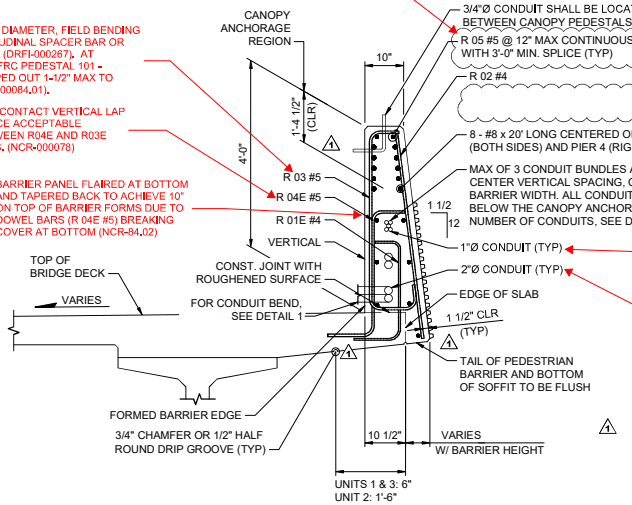
*EACH BUNDLE CONSISTS OF NO MORE THAN:
1) 2-2"Ø PLUS 2-1"Ø CONDUITS OR
2) 5-1"Ø CONDUITS AS SHOWN

WHERE CLEAR COVER AT TOP OF BARRIER >3", ADD 1 EA #4 U BAR, 8" TAILS, 3" MIN PIN DIAMETER. FIELD BENDING ACCEPTABLE (FDC-000180). WHERE CLEAR COVER AT BOTTOM TAIL > 3.5" ADD LONGITUDINAL SPACER BAR OR CONCRETE DOBIE TO ACHIEVE COVER (DRFI-000289). CHANGED TO EPOXY BAR SPAN 3 (DRFI-000267). AT CANOPY PEDESTALS 12-13, 19-23, 118-119,116-117, 28-29, 37-GFRC PEDESTAL 62, 108, GFRC PEDESTAL 101 - CANOPY PEDESTAL 107, AND CANOPY PEDESTALS 103-104, BOTTOM OF BARRIER BUMPED OUT 1-1/2" MAX TO MAINTAIN COVER. R03 #5 FIELD BENT TO MAINTAIN COVER AT TOP OF BARRIER (NCR-000084.01).

STAGGER LAP SPACING 3'-1" MINIMUM. NO MORE THAN 50% OF BARS SPLICED AT ONE LOCATION. (FDC-000157)

NON CONTACT VERTICAL LAP SPLICE ACCEPTABLE BETWEEN R04E AND R03E BARS. (NCR-000078)

BARRIER PANEL FLARED AT BOTTOM AND TAPERED BACK TO ACHIEVE 10" ON TOP OF BARRIER FORMS DUE TO DOWEL BARS (R 04E #5) BREAKING COVER AT BOTTOM (NCR-84.02)



3/4"Ø CONDUIT SHALL BE LOCATED IN BETWEEN CANOPY PEDESTALS (SEE DP023)

R 05 #5 @ 12" MAX CONTINUOUS WITH 3'-0" MIN. SPLICE (TYP)

R 02 #4

MINIMUM 1" SPACING BETWEEN BARS FOR CANOPY UPLIGHT CONDUIT, 1/2" CLEAR TO HANDRAIL ANCHOR BOLT. (FDC-000189).

BARS TRIMMED OR REMOVED AS NEEDED AT EXPANSION JOINTS AT PIER 3 AND 4. (DRFI-000309)

8 - #8 x 20' LONG CENTERED ON PIER 3 (BOTH SIDES) AND PIER 4 (RIGHT ONLY)

MAX OF 3 CONDUIT BUNDLES AT 9" CENTER TO CENTER VERTICAL SPACING, CENTERED ON BARRIER WIDTH. ALL CONDUITS SHALL BE BELOW THE CANOPY ANCHORAGE REGION. FOR NUMBER OF CONDUITS, SEE DP023 DWGS.*

MAINTAIN 1" SPACING TO ALL OTHER CONDUIT. (DRFI-000302)

MAINTAIN 2" SPACING TO 2" CONDUIT. (DRFI-000302)

TYPICAL SECTION 4'-0" PEDESTRIAN BARRIER
SCALE: 3/4" = 1'-0"
SHOWN ON BRIDGE

NOTES:
1. 1.5" CLEAR COVER TO ALL OUTSIDE FACES TYPICAL. TAILS OF R03 #5 BARS 1" CLEAR MIN REQUIRED. (DRFI-000353.01)

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 20117 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	12/23/20	SJD	KF	SJD	NDC-000051 - DRFI-164 SAFETY HOOKS
1	09/28/20	SJD	KF	SJD	NDC-000027 - CANOPY PEDESTAL FINAL DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: B. SCHAFFER
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — 20117 — REGISTERED PROFESSIONAL ENGINEER
12/23/2020 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN DATE: 11/04/19
REVIEWED BY: T. KRAUPA DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 130-B27-SYD101

CityofRedmond

RTS PEDESTRIAN BRIDGE

BARRIER DETAILS
SHEET 2 OF 3

DRAWING No.: B27-SYD101
FACILITY ID: B27
SHEET No.: 130 REV: 2

RECORD DRAWING #23-2273

12/30/20 | 10:22 PM | ALYSSA.SOLIZ
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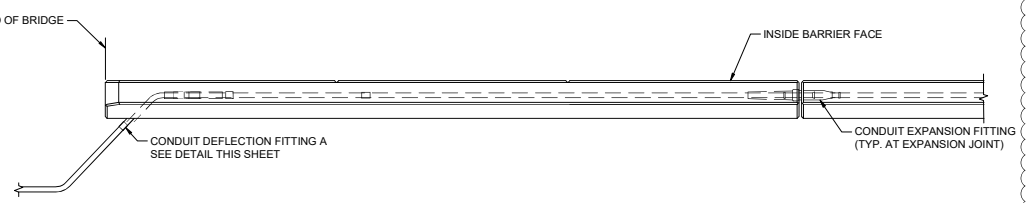
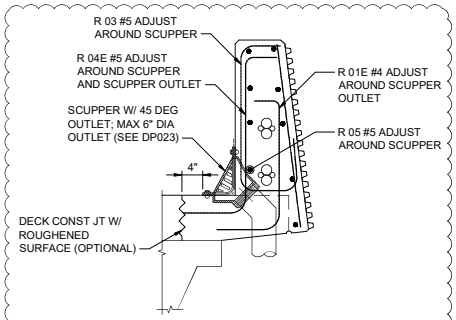
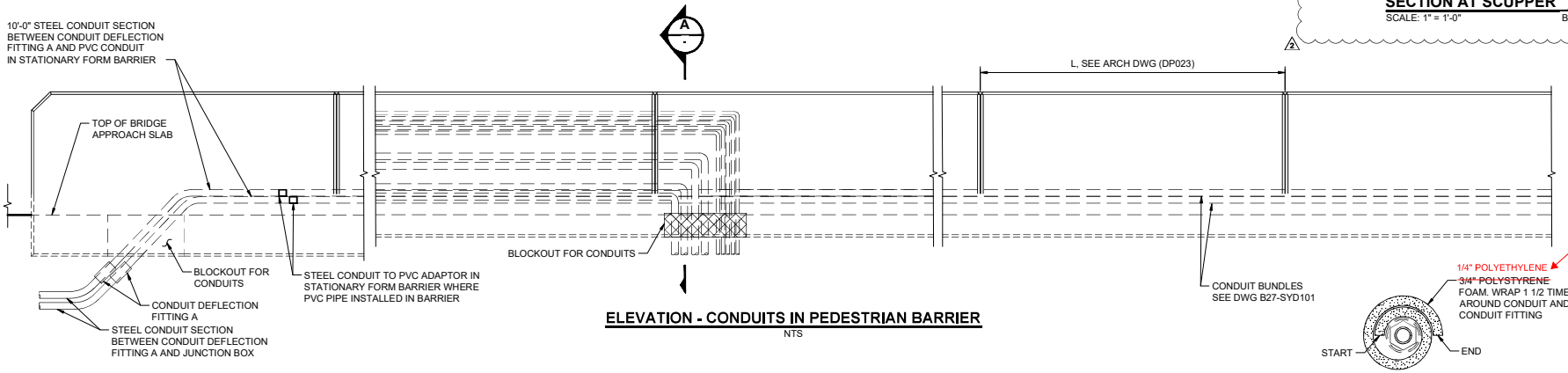
NOTES:
1. LIQUIDTIGHT USED AT ALL LOCATIONS WHERE CONDUIT CROSSES JOINTS SUBJECT TO DIFFERENTIAL MOVEMENT. (FDC-000177)



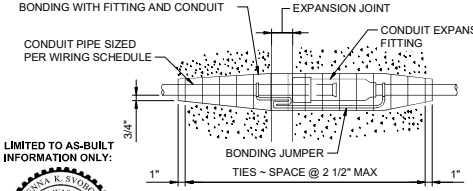
PLAN - CONDUITS IN PEDESTRIAN BARRIER
NTS



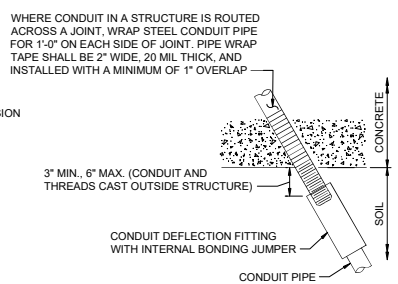
SECTION AT SCUPPER C
SCALE: 1" = 1'-0" B27-LHP104



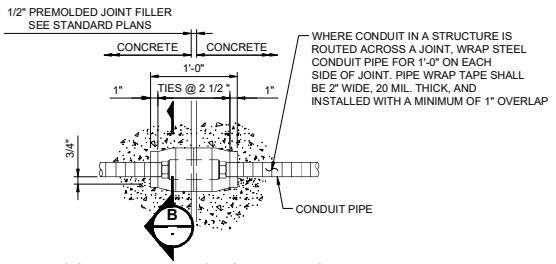
ELEVATION - CONDUITS IN PEDESTRIAN BARRIER
NTS



CONDUIT EXPANSION FITTING
NTS
CONDUIT FITTING - (TYPE AX FOR MOVEMENT OF ± 2") AT BRIDGE EXPANSION JOINTS

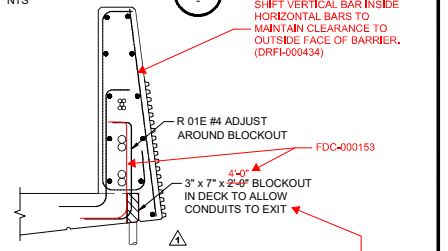


CONDUIT DEFLECTION FITTING A
NTS
CONDUIT FITTING - TYPE DX FOR DEFLECTION OF 30° AND 3/4 " MOVEMENT. PLACE AT CONDUIT PIPE EXIT FROM STRUCTURE AND SHALL BE IN NEUTRAL STATE AFTER INSTALLATION.



CONDUIT DEFLECTION FITTING B
NTS
CONDUIT FITTING - TYPE DX FOR DEFLECTION OF 30° AND 3/4" MOVEMENT. CONDUIT PIPES PLACED THROUGH RETAINING WALL PEDESTRIAN BARRIER SHALL BE FITTED WITH DEFLECTION FITTINGS AT A MAXIMUM SPACING OF 120'. THE DEFLECTION FITTINGS SHALL BE PLACED AT THE PEDESTRIAN BARRIER OPEN JOINT THAT COINCIDES WITH THE RETAINING WALL STEM EXPANSION JOINT NEAREST TO THE TRANSVERSE CONSTRUCTION JOINT IN THE WALL FOOTING.

SECTION B
NTS



SECTION BRIDGE A
SCALE: 3/4" = 1'-0"
FOR DETAILS NOT SHOWN SEE "OUTSIDE ELEVATION" AND "TYPICAL SECTION 4'-0" PEDESTRIAN BARRIER"

DESIGN PACKAGE DP022

LIMITED TO AS-BUILT INFORMATION ONLY:

No.	DATE	DSN	CHK	APP	REVISION
2	01/22/21	SJD	KF	SJD	NDC-000052 - PIER 9 SCUPPER DETAILS
1	09/28/20	SJD	KF	SJD	NDC-000027 - FINAL BARRIER DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: B. SCHAFFER
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL
1/22/21 EXP: 3/15/21

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN DATE: 11/04/19
REVIEWED BY: T. KRAUPA DATE: 11/04/19
LINE IS 1" AT FULL SCALE
SCALE: AS NOTED
FILENAME: 131-B27-SYD102
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

BARRIER DETAILS
SHEET 3 OF 3

DRAWING No.: B27-SYD102
FACILITY ID: B27
SHEET No.: 131 REV: 2

RECORD DRAWING #23-2274

01/22/21 | 4:01 PM | ALYSSA.SOLIZ
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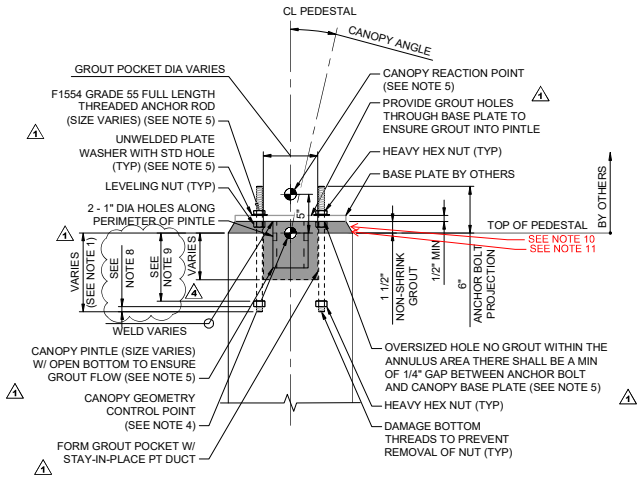
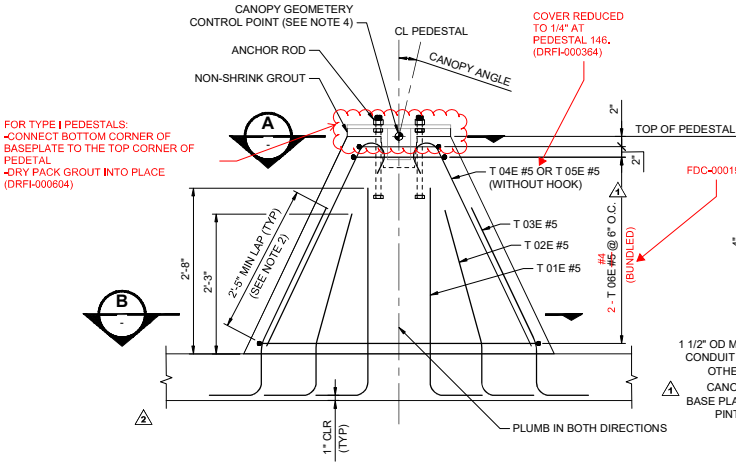
PEDESTAL TYPES

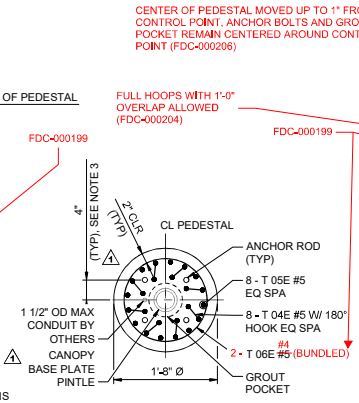
PEDESTAL	PEDESTAL LOCATION	PEDESTAL HEIGHT (FROM BRIDGE DECK)	PEDESTAL DIMENSIONS	QUANTITY	CANOPY POST ID	PEDESTAL LONGITUDINAL STEEL	PEDESTAL ANCHOR TYPES	PEDESTAL ANCHOR EMBED-MENT	CANOPY PINTLE (SEE NOTE 5)	GROUT POCKET	CANOPY PINTLE CONNECTION (SEE NOTE 5)
TYPE I	MEDIAN (POKE UP)	3'-6"	20"Ø @ PEDESTAL TOP	9	145, 147, 149, 151, 153, 155, 157, 159, 161	16 #5	3/4" DIA	12"	ROUND HSS 4.5 x 0.337 (6" LONG)	6 1/2" DIA x 6" DEPTH	1/4"
TYPE II	MEDIAN (PULL DOWN)	1'-9"	24"Ø	8	146, 148, 150, 152, 154, 156, 158, 160	12 #5	3/4" DIA	12"	ROUND HSS 4.5 x 0.337 (6" LONG)	6 1/2" DIA x 6" DEPTH	1/4"
TYPE III	STAND ALONE	2'-3" 2	20"x20"	1	123	4 #5	3/4" DIA	12"	ROUND HSS 4.5 x 0.337 (6" LONG)	6 1/2" DIA x 6" DEPTH	1/4"
TYPE IV	DECK OVERHANG	VARIES 3'-6" MIN, 3'-9" MAX	16"x26" (+BARRIER)	15	10, 12, 13, 30, 40-43, 94, 95, 97 117, 118, 135, 136	14 #5	1" DIA	14"	ROUND HSS 6 x 0.5 (9" LONG)	8" DIA x 9" DEPTH	CJP
TYPE V	DECK OVERHANG	VARIES 2'-3" MIN, 3'-9" MAX	16"x20" (+BARRIER)	122	1-7, 9, 11, 14-29, 31-39, 44-68, 70-93, 96, 98-116, 119-122, 124-128, 130, 133-134, 137-143	10 #5	3/4" DIA	12"	ROUND HSS 6 x 0.5 (9" LONG)	8" DIA x 9" DEPTH	1/2"

1

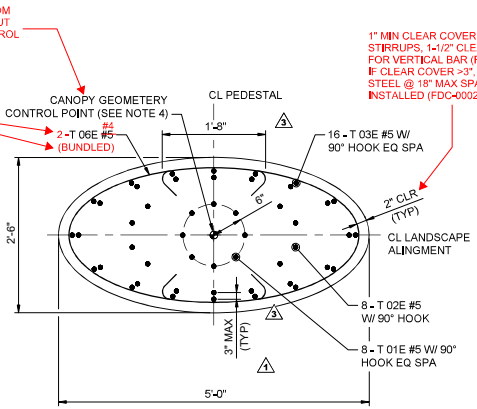




TYPE I PEDESTAL
SCALE: 1" = 1'-0"



SECTION A
SCALE: 1" = 1'-0"



SECTION B
SCALE: 1" = 1'-0"

NOTES:

1. SEE "PEDESTAL ANCHOR EMBEDMENT" IN TABLE FOR ANCHOR EMBEDMENT DEPTH
2. LAP IS OPTIONAL. A SINGLE BAR FROM THE DECK CAN BE PROVIDED.
3. ANCHOR ROD LAYOUT TO BE CONFIRMED BY OTHERS.
4. FOR CANOPY GEOMETRY CONTROL POINT, SEE DWG B27-LHP105.
5. MINIMUM REQUIREMENTS. CANOPY BASE PLATE AND CANOPY BASE PLATE PINTLE FINAL DESIGN TO BE DETERMINED BY OTHERS. CANOPY BASE PLATE PINTLE AND WELDING TO BASE PLATE SHALL BE DESIGNED TO TRANSFER CANOPY SHEAR AND BENDING MOMENT. ANCHOR BOLTS ARE DESIGNED AND DETAILED TO TRANSFER ONLY UPLIFT DEMAND.
6. CANOPY PINTLE SHALL BE ASTM A500 GRADE C (YIELD = 46 KSI).
7. DESIGN IS BASED ON REACTIONS PRESENTED IN FABRITEC'S 95% DESIGN DRAWING PACKAGE (DP024) DATED 09/04/2020.
8. FOR TYPE I, III, IV AND V CANOPY PEDESTALS, THE DIMENSION FROM BOTTOM OF ANCHOR ROD TO BOTTOM OF NUT IS 1". FOR TYPE II CANOPY PEDESTALS, THE DIMENSION FROM BOTTOM OF ANCHOR ROD TO BOTTOM OF NUT IS 1/2" NCR-000104
9. FOR CANOPY PEDESTALS ~~70 AND 96,~~ 49, 70, 88, AND 96 THE DIMENSION FROM TOP OF THE PEDESTAL TO TOP OF NUT IS 12". FOR CANOPY PEDESTALS 12, 41 AND 42, THE DIMENSION FROM TOP OF PEDESTAL TO THE TOP OF NUT IS 14". 1
FOR CANOPY PEDESTAL 148, THE DIMENSION FROM TOP OF THE PEDESTAL TO TOP OF NUT IS 15" (NDC-000094.01)

10. CANOPY PEDESTAL (TYPE III, IV, V) GROUT PADS: 45 DEGREES FROM THE CORNERS OF THE PEDESTALS TO THE ELEVATION OF THE BOTTOM OF THE BASEPLATE; FLAT ACROSS THE BOTTOM OF THE BASEPLATES (DRFI-532)

11. FOR GROUT PADS BETWEEN 3" AND 5" TALL, REINFORCE GROUT WITH 2-#3 EPOXY COATED U BARS. LAP 12" MIN. OCCURS AT CANOPY PEDESTALS 45, 93, & 133. (DRFI-633)

LIMITED TO AS-BUILT INFORMATION ONLY:

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
4	06/28/21	SJD	KF	SJD	NDC-000070 - CANOPY PEDESTAL ANCHOR EMBED
3	12/23/20	SJD	KF	SJD	NDC-000051 - ELIPTICAL TIE HOOKS
2	11/24/20	SJD	KF	SJD	NDC-000054 - SHIFT CANOPY PEDESTALS 1, 143, & 123
1	09/28/20	SJD	KF	SJD	NDC-000027 - CANOPY PEDESTAL FINAL DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: B. SCHAFFER
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19
REVIEWED BY: T. KRAUPA | DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: AS NOTED
FILENAME: 132-B27-SYD200

RTS PEDESTRIAN BRIDGE

CANOPY PEDESTAL DETAILS
SHEET 1 OF 3

DRAWING No.: B27-SYD200
FACILITY ID: B27
SHEET No.: 132 REV.: 4

RECORD DRAWING #23-2275

06/24/21 | 7:21 AM | KEVIN.MAYTUM
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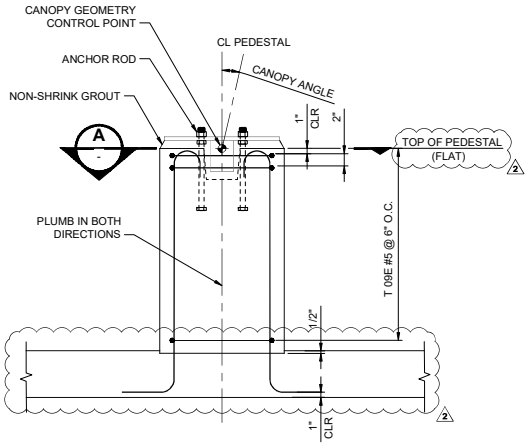
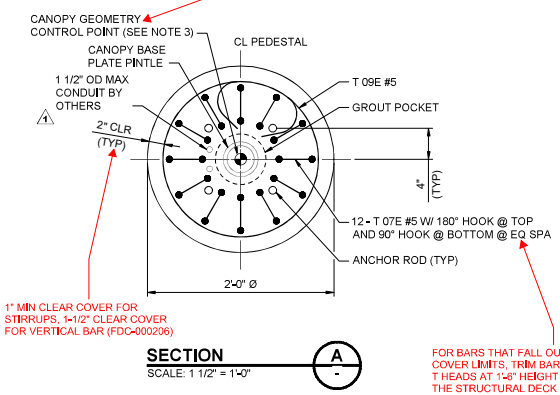
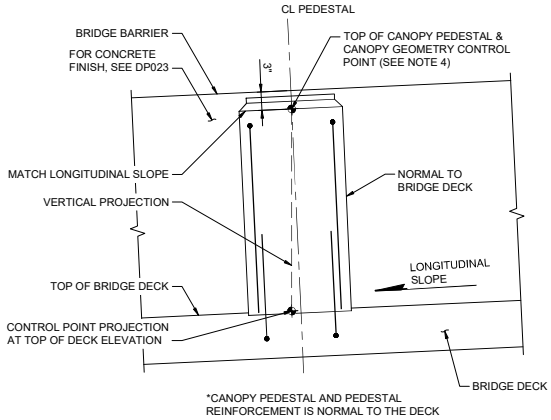


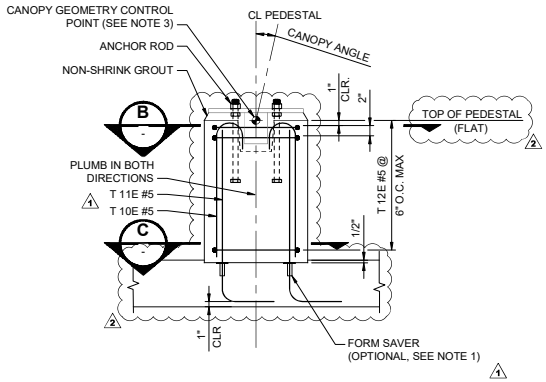
TYPE II PEDESTAL
SCALE: 1" = 1'-0"



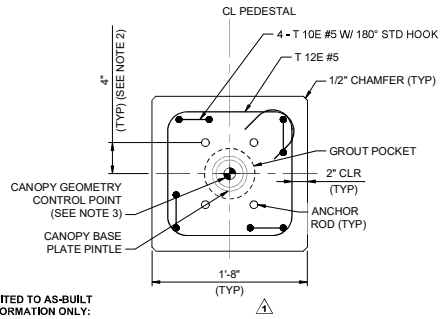
SECTION A
SCALE: 1 1/2" = 1'-0"



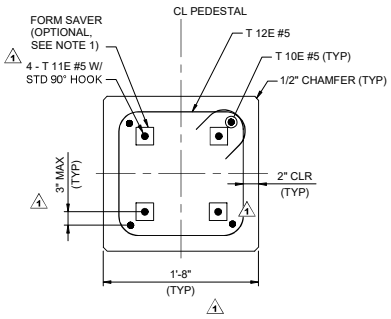
TYPE IV & V PEDESTAL ELEVATION
NTS



TYPE III PEDESTAL
SCALE: 1" = 1'-0"



SECTION B
SCALE: 1 1/2" = 1'-0"



SECTION C
SCALE: 1 1/2" = 1'-0"

NOTES:

1. NVENT LENTON SA COUPLER WITH MOUNTING PLATE, PLAIN (EL16SA) OR EQUAL AS APPROVED BY ENGINEER. FORMSAVER AND LAP ARE OPTIONAL. A SINGLE BAR FROM THE DECK CAN BE PROVIDED.
2. ANCHOR ROD LAYOUT TO BE CONFIRMED BY OTHERS.
3. FOR CANOPY GEOMETRY CONTROL POINT, SEE DWG B27-LHP105.

LIMITED TO AS-BUILT INFORMATION ONLY:

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	11/24/20	SJD	KF	SJD	NDC-000054 - SHIFT CANOPY PEDESTALS 1, 143, & 123
1	09/28/20	SJD	KF	SJD	NDC-000027 - CANOPY PEDESTAL FINAL DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: B. SCHAFFER
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

11/24/20 EXP: 3/15/21

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 133-B27-SYD201

RTS PEDESTRIAN BRIDGE

CANOPY PEDESTAL DETAILS
SHEET 2 OF 3

DRAWING No.: B27-SYD201
FACILITY ID: B27
SHEET No.: 133 REV.: 2

RECORD DRAWING #23-2276

11/23/20 | 7:12 PM | ALYSSA.SOLIZ
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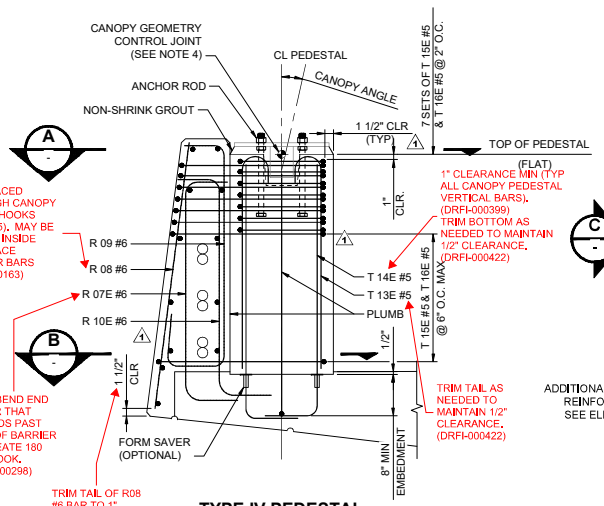
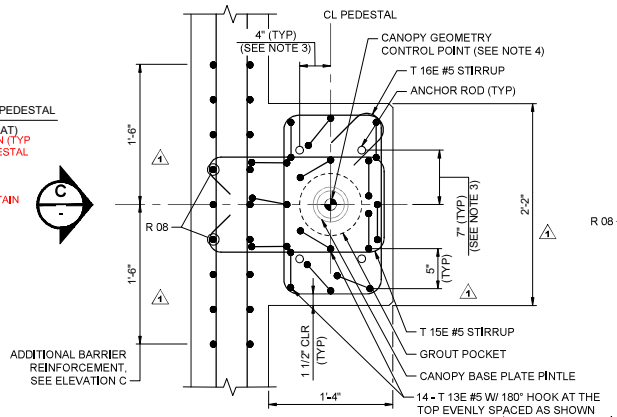


TYPE IV PEDESTAL

SCALE: 1" = 1'-0"

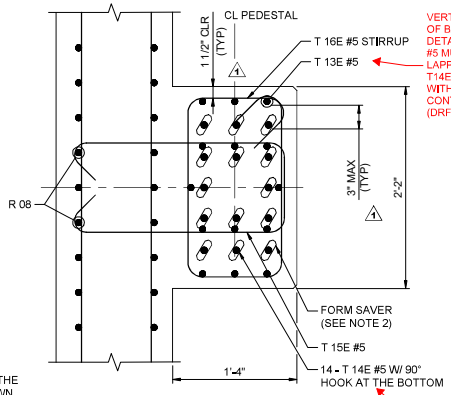


NOTE: TYPICAL BARRIER REINFORCEMENT NOT SHOWN FOR CLARITY

SECTION A

SCALE: 1 1/2" = 1'-0"

HOOKS MAY BE ROTATED TO FIT AROUND ANCHORS AND GROUT POCKET. (DRFI-000303)

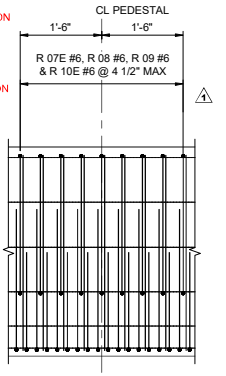


NOTE: TYPICAL BARRIER REINFORCEMENT NOT SHOWN FOR CLARITY

SECTION B

SCALE: 1 1/2" = 1'-0"

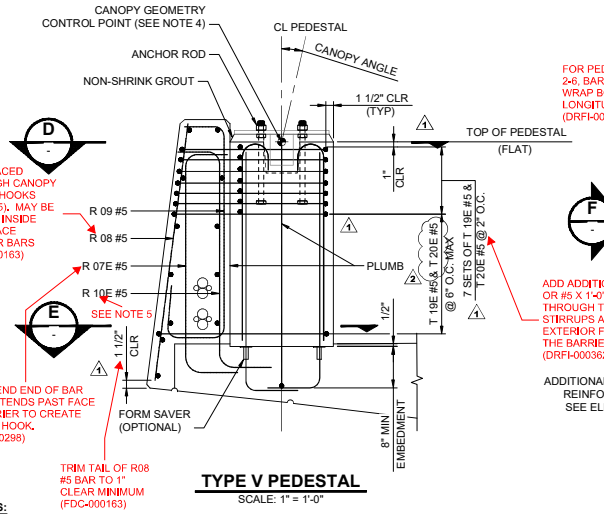
BARS AT CORNER OF CANOPY PEDESTAL KINKED AT BASE OF CANOPY. ADD 2 EA #4 HAIRPINS AT KINK. (NCR-000082)



NOTE: TYPICAL BARRIER REINFORCEMENT NOT SHOWN FOR CLARITY

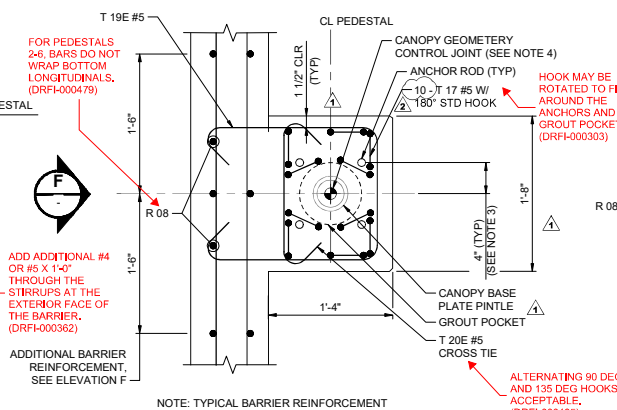
ELEVATION C

SCALE: 3/4" = 1'-0"



TYPE V PEDESTAL

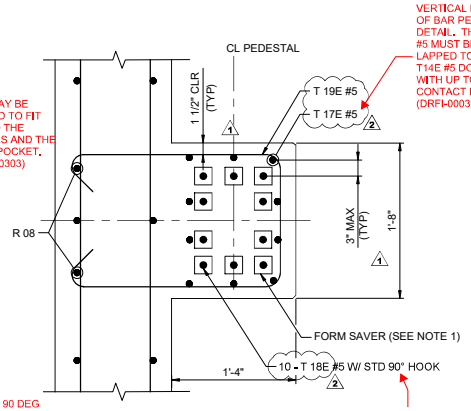
SCALE: 1" = 1'-0"



NOTE: TYPICAL BARRIER REINFORCEMENT NOT SHOWN FOR CLARITY

SECTION D

SCALE: 1 1/2" = 1'-0"

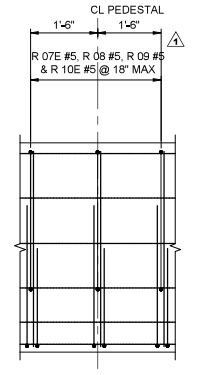


NOTE: TYPICAL BARRIER REINFORCEMENT NOT SHOWN FOR CLARITY

SECTION E

SCALE: 1 1/2" = 1'-0"

FOR UNIT 3 AND UNIT 1, BARS AT CORNER OF CANOPY PEDESTAL KINKED AT THE STRUCTURAL DECK, ADD 1 EA #4 HAIRPINS AT KINKED LOCATION. (NCR-000082,04)



NOTE: TYPICAL BARRIER REINFORCEMENT NOT SHOWN FOR CLARITY

ELEVATION F

SCALE: 3/4" = 1'-0"

NOTES:

1. NVENT LENTON SA COUPLER WITH MOUNTING PLATE, PLAIN (EL16SA) OR EQUAL AS APPROVED BY ENGINEER. FORMSAVER AND LAP ARE OPTIONAL. A SINGLE BAR FROM THE DECK CAN BE PROVIDED.
2. NVENT LENTON SA COUPLER WITH MOUNTING PLATE, DOUBLE CLIPPED FLANGE PLAIN (EL16SADCF) OR EQUAL AS APPROVED BY ENGINEER. FORMSAVER AND LAP ARE OPTIONAL. A SINGLE BAR FROM THE DECK CAN BE PROVIDED.
3. ANCHOR ROD LAYOUT TO BE CONFIRMED BY OTHERS.
4. FOR CANOPY GEOMETRY CONTROL POINT, SEE DWG B27-LHP105.
5. R04E #5 DOWELED IN PLACE OF R10E #5 AT PEDESTAL 51. (NCR-000113)

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	11/24/20	SJD	KF	SJD	NDC-000054 - SHIFT CANOPY PEDESTALS 1, 143, & 123
1	09/28/20	SJD	KF	SJD	NDC-000027 - CANOPY PEDESTAL FINAL DESIGN
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: B. SCHAFFER
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

AARON J. DESPRADEL — STATE OF WASHINGTON — 21009 — PROFESSIONAL ENGINEER
11/24/20 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

City of Redmond

SCALE: AS NOTED
FILENAME: 134-B27-SYD202

RTS PEDESTRIAN BRIDGE

CANOPY PEDESTAL DETAILS
SHEET 3 OF 3

DRAWING No.: B27-SYD202
FACILITY ID: B27
SHEET No.: 134
REV.: 2

RECORD DRAWING #23-2277

PREFLIGHT: I:\ENG-SBT\B27\134.dwg
11/23/20 | 7:19 PM | ALYSSA.SOLIZ
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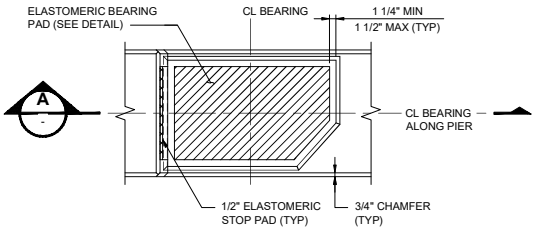
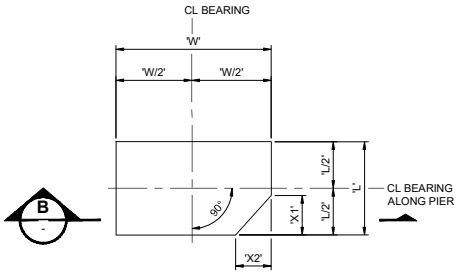
NOTES:

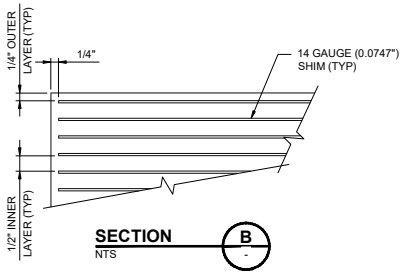
1. GIRDER STOPS SHALL BE CONSTRUCTED AFTER GIRDER PLACEMENT.
2. THE ELASTOMERIC GIRDER STOP PADS SHALL BE BONDED TO THE GIRDER STOPS WITH AN APPROVED ADHESIVE.
3. STEEL SHIMS SHALL BE FABRICATED FROM ASTM A1011 GRADE 36 STEEL.

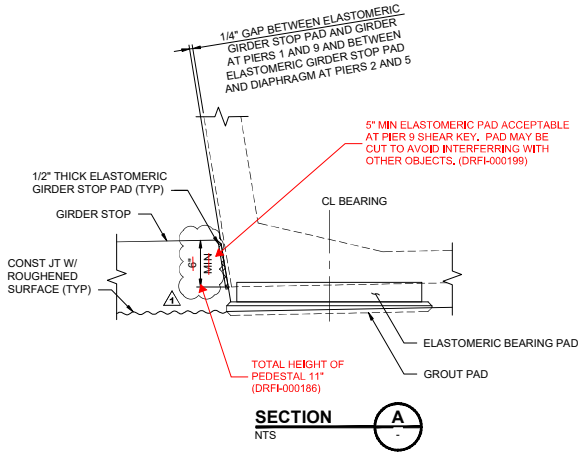


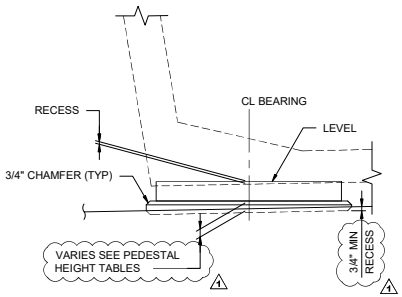
GROUT PAD DETAIL
NTS
GIRDER NOT SHOWN FOR CLARITY



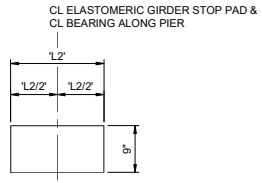
ELASTOMERIC BEARING PAD
NTS
LAMINATED ELASTOMERIC BEARING PAD
(5 SHIMS)







GROUT PAD ELEVATION
NTS



ELASTOMERIC GIRDER STOP PAD
NTS
SHEAR MODULUS ≥ 110 PSI

LIMITED TO AS-BUILT INFORMATION ONLY:

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	04/01/20	SJD	KF	SJD	NDC-000014 - ADDED BEARING RECESS INFO
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

4-1-2020 — 4-15-2021

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/19

LINE IS 1" AT FULL SCALE

SCALE: NTS
FILENAME: 135-B27-SBD100

RTS PEDESTRIAN BRIDGE

ELASTOMERIC BEARING DETAILS
SHEET 1 OF 3

DRAWING No.: B27-SBD100
FACILITY ID: B27
SHEET No.: 135
REV.: 1

RECORD DRAWING #23-2278

04/01/20 | 11:26 AM | ALYSSA.SOLIZ
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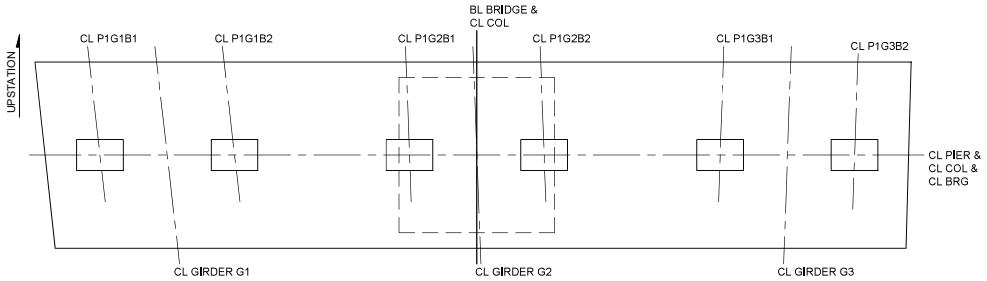
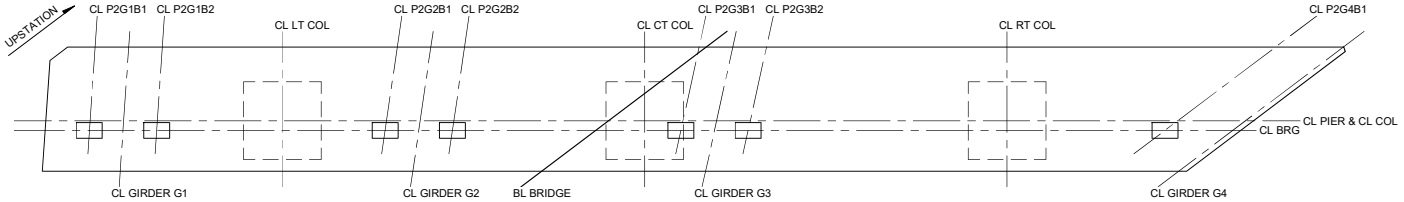


BEARING DESIGN TABLE: UNIT 1 - PIER 1
AASHTO METHOD B DESIGN

SERVICE - I LIMIT STATE

	-	P1G1B1	P1G1B2	P1G2B1	P1G2B2	P1G3B1	P1G3B2
DEAD LOAD (DL) REACTION	KIP	129	125	193	185	152	138
LIVE LOAD REACTION (W/O IMPACT)	KIP	7	23	43	49	35	11
UNLOADED HEIGHT	IN	3.45	3.45	3.45	3.45	3.45	3.45
LOADED HEIGHT	IN	3.37	3.36	3.34	3.34	3.36	3.36
SHEAR MODULUS	PSI	165	165	165	165	165	165
LENGTH ('L')	IN	12	12	12	12	12	12
WIDTH ('W')	IN	18	18	18	18	18	18
'X1'	IN	0	0	0	0	0	0
'X2'	IN	0	0	0	0	0	0
GIRDER STOP PAD LENGTH ('L2')	IN	NA	15	15	15	15	NA
STEEL SHIMS	No.	6	6	6	6	6	6

PLAN - PIER 1
SCALE: 1/2" = 1'-0"



NOTES:

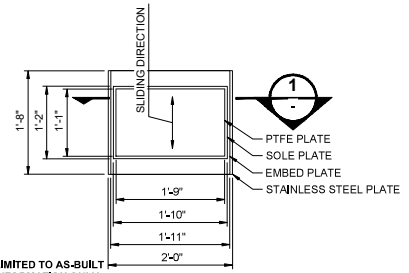
1. ALL STEEL PLATES MUST CONFORM TO ASTM A36. VULCANIZE PLATE TO ELASTOMER. ZINC METALIZE SOLE AND STEEL PLATE IN ACCORDANCE WITH AWS C2.18. METALIZING IS NOT PERMITTED IN THE RECESS, ON THE PTFE, OR THE STAINLESS STEEL PLATE. REPAIR ALL DAMAGE TO THE FINISH CAUSED BY WELDS.
2. DIMPLED LUBRICATED PTFE SHEET SHALL HAVE A MAXIMUM COEFFICIENT OR FRICTION OF 0.06 AT -13 DEGREES FAHRENHEIT AND 500 PSI PRESSURE.

PLAN - PIER 2
SCALE: 1/4" = 1'-0"

BEARING DESIGN TABLE: UNIT 1 - PIER 2
AASHTO METHOD B DESIGN

SERVICE - I LIMIT STATE

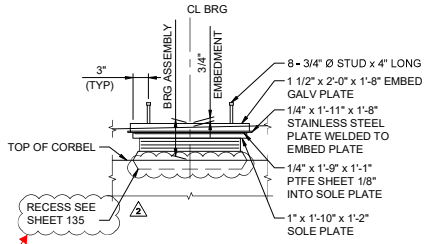
	-	P2G1B1	P2G1B2	P2G2B1	P2G2B2	P2G3B1	P2G3B2	P2G4B1
DEAD LOAD (DL) REACTION	KIP	160	208	183	141	91	326	103
LIVE LOAD REACTION (W/O IMPACT)	KIP	22	30	32	35	37	48	10
UNLOADED HEIGHT	IN	3.45	3.45	3.45	3.45	3.45	3.45	3.45
LOADED HEIGHT	IN	3.36	3.34	3.35	3.37	3.39	3.30	3.38
SHEAR MODULUS	PSI	165	165	165	165	165	165	165
LENGTH ('L')	IN	12	12	12	12	12	12	12
WIDTH ('W')	IN	20	20	20	20	20	20	20
'X1'	IN	0	0	0	0	0	0	0
'X2'	IN	0	0	0	0	0	0	0
GIRDER STOP PAD LENGTH ('L2')	IN	NA	30.00	30.00	30.00	30.00	30.00	30.00
STEEL SHIMS	No.	6	6	6	6	6	6	6



LIMITED TO AS-BUILT INFORMATION ONLY:

PLAN
SCALE: 1" = 1'-0"

RECESS DIMENSIONS 17" X 20" (TYPICAL ALL GIRDERS) (DRFI-000127)



UNIT 1 (PIER 2) SLIDING BEARING SECTION 1

SCALE: 1" = 1'-0"
(AT PIER 2)
DISPLACEMENT CAPACITY: ±3.5"

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	04/01/20	SJD	KF	SJD	NDC-000014 - REVISED GIRDER STOPS
1	02/12/20	SJD	KF	SJD	NDC-000009 - GIRDER BEARING REVISIONS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

4-1-2020 EXP 3-15-2021

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/19

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 136-B27-SBD101

CityofRedmond

RTS PEDESTRIAN BRIDGE

ELASTOMERIC BEARING DETAILS
SHEET 2 OF 3

DRAWING No.: B27-SBD101
FACILITY ID: B27
SHEET No.: 136
REV.: 2

RECORD DRAWING #23-2279

04/01/20 | 11:27 AM | ALYSSA.SOLIZ
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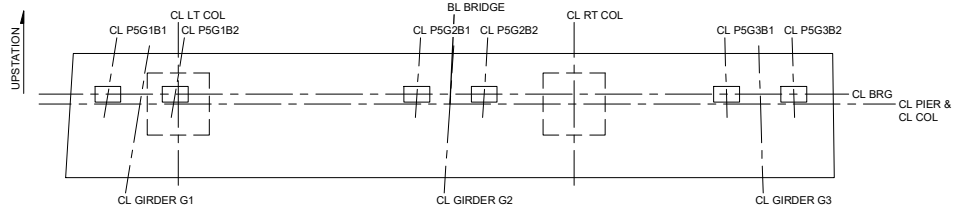
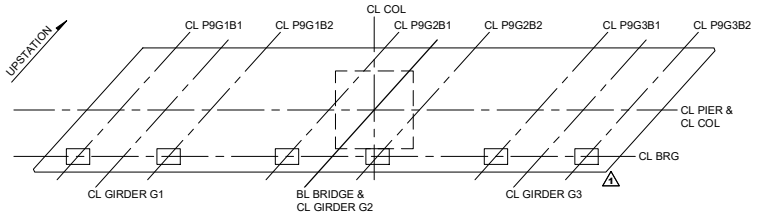


PLAN - PIER 5
SCALE: 1/4" = 1'-0"

BEARING DESIGN TABLE: UNIT 3 - PIER 5
AASHTO METHOD B DESIGN

SERVICE - I LIMIT STATE

	-	P5G1B1	P5G1B2	P5G2B1	P5G2B2	P5G3B1	P5G3B2
DEAD LOAD (DL) REACTION	KIP	171	152	149	186	170	152
LIVE LOAD REACTION (W/O IMPACT)	KIP	15	10	6	7	9	8
UNLOADED HEIGHT	IN	3.45	3.45	3.45	3.45	3.45	3.45
LOADED HEIGHT	IN	3.36	3.36	3.34	3.34	3.35	3.36
SHEAR MODULUS	PSI	165	165	165	165	165	165
LENGTH ('L')	IN	12	12	12	12	12	12
WIDTH ('W')	IN	20	20	20	20	20	20
'X1'	IN	0	0	0	0	0	0
'X2'	IN	0	0	0	0	0	0
GIRDER STOP PAD LENGTH ('L2')	IN	NA	30.00	30.00	30.00	30.00	NA
STEEL SHIMS	No.	6	6	6	6	6	2 6



PLAN - PIER 9
SCALE: 1/4" = 1'-0"

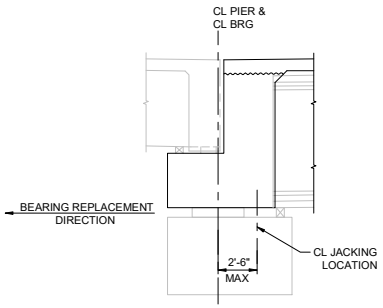
BEARING DESIGN TABLE: UNIT 3 - PIER 9
AASHTO METHOD B DESIGN

SERVICE - I LIMIT STATE

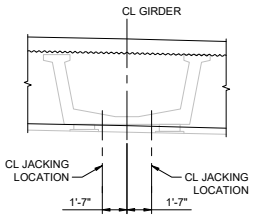
	-	P9G1B1	P9G1B2	P9G2B1	P9G2B2	P9G3B1	P9G3B2
DEAD LOAD (DL) REACTION	KIP	84	106	204	174	141	92
LIVE LOAD REACTION (W/O IMPACT)	KIP	2	1	3	3	3	1
UNLOADED HEIGHT	IN	4.60	4.60	4.60	4.60	4.60	4.60
LOADED HEIGHT	IN	4.52	4.50	4.44	4.45	4.48	4.57
SHEAR MODULUS	PSI	165	165	165	165	165	165 4
LENGTH ('L')	IN	12	12	12	12	12	12
WIDTH ('W')	IN	18	18	18	18	18	18
'X1'	IN	0	0	0	0	0	0
'X2'	IN	0	0	0	0	0	0
GIRDER STOP PAD LENGTH ('L2')	IN	NA	20	20	20	20	NA 1
STEEL SHIMS	No.	8	8	8	8	8	8 4

BEARING REPLACEMENT NOTES:

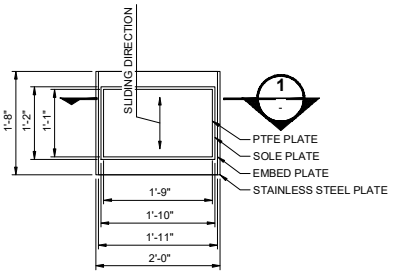
1. ALL GIRDERS WITHIN ONE PIER SHALL BE LIFTED OFF SIMULTANEOUSLY TO A HEIGHT NO MORE THAN 1/4" FROM BEARING DECOMPRESSION.
2. PIERS 1, 2 (UNIT 1), 5 (UNIT 3): JACKS SHALL BE LOCATED UNDER THE WEBS AT THE TEMPORARY BEARING LOCATION.
3. PIERS 2 AND 5 (UNIT 2): JACKS SHALL BE LOCATED AS SHOWN IN DETAIL 1, ALIGNED WITH THE GIRDER WEB.
4. PIER 9: JACKS SHALL BE LOCATED AS SHOWN IN DETAIL 2, ALIGNED WITH THE CL OF BEARING FOR EACH GIRDER.



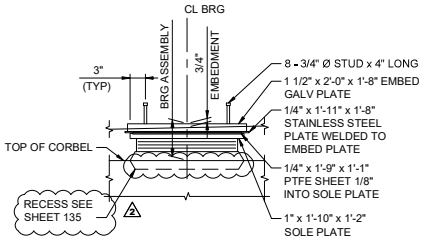
DETAIL 1
SCALE: 1/4" = 1'-0"



DETAIL 2
SCALE: 1/4" = 1'-0"



PLAN
SCALE: 1" = 1'-0"



UNIT 3 (PIER 5) SLIDING BEARING SECTION
SCALE: 1" = 1'-0"
DISPLACEMENT CAPACITY: ±3.5"

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	04/01/20	SJD	KF	SJD	NDC-000014 - REVISED GIRDER STOPS
1	02/12/20	SJD	KF	SJD	NDC-000009 - GIRDER BEARING REVISIONS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

4-1-2020 — 4-15-2021

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/19

LINE IS 1" AT FULL SCALE

SCALE: 1/4" = 1'-0"
FILENAME: 137-B27-SBD102

RTS PEDESTRIAN BRIDGE

ELASTOMERIC BEARING DETAILS
SHEET 3 OF 3

DRAWING No.: B27-SBD102
FACILITY ID: B27
SHEET No.: 137
REV: 2

RECORD DRAWING #23-2280

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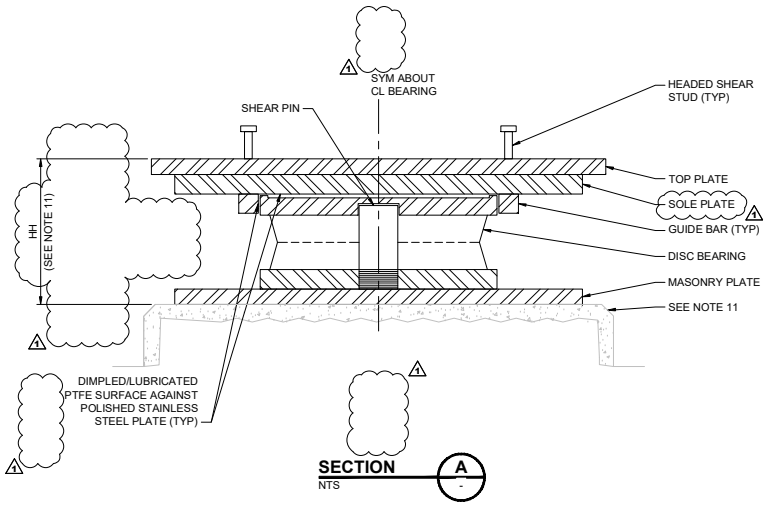
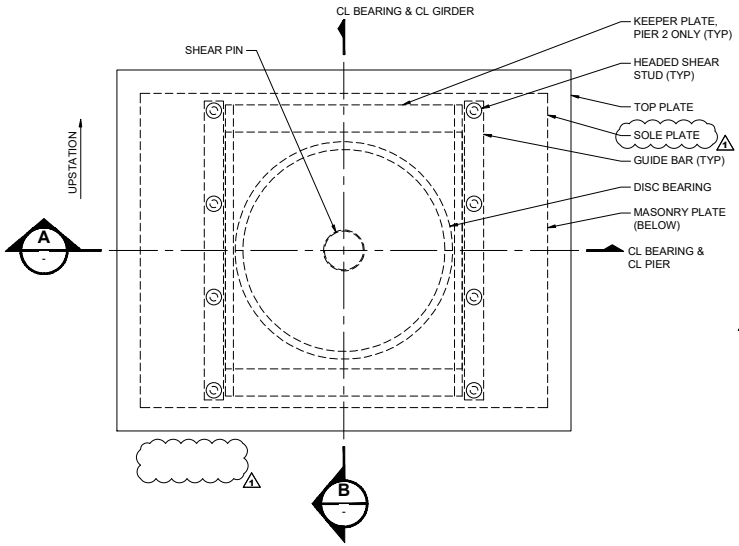


SECTION A
NTS

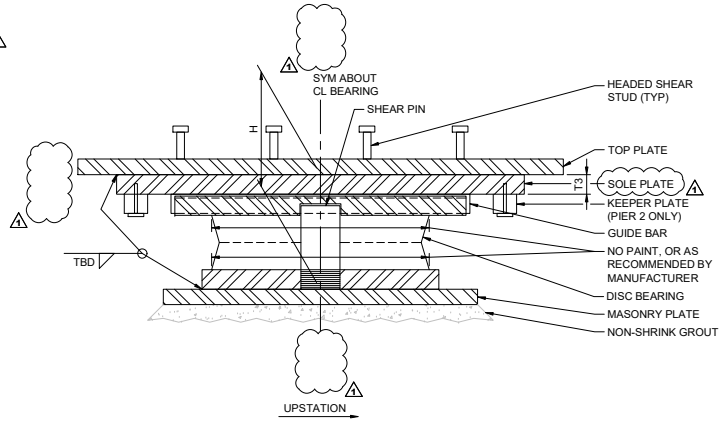
GIRDER SCHEDULE		
BRG	PIER	TYPE
1A - 6A	2	GUIDED*
1B - 6B	5	GUIDED

* WITH KEEPER PLATE

PIER	BRG	HH (IN)
2	1A	11.16
	2A	11.07
	3A	10.39
	4A	10.39
	5A	10.14
	6A	10.39
5	1E	10.39
	2E	10.39
	3E	9.67
	4E	10.14
	5E	10.14
	6E	10.20



PLAN - GUIDED BEARING
NTS



SECTION B
NTS

NOTES:

1. KEEPER PLATE FOR PIER 2 TO BE INSTALLED AT END OF CONSTRUCTION AT 64°F NOMINAL TEMPERATURE. BEARING SOLE PLATE SHALL HAVE A DRILL AND TAP HOLES TO RECEIVE THE KEEPER PLATE. KEEPER PLATE SHALL BE FABRICATED AFTER CONTRACTOR AS-BUILT BEARING DISPLACEMENTS. KEEPER PLATE SHALL BE INSTALLED TIGHT AGAINST SOLE PLATE.
2. THIS DRAWING IS A SCHEMATIC OF REQUIRED BEARING DEVICES. MANUFACTURER IS RESPONSIBLE FOR THE DESIGN OF THE BEARING DEVICES. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. SHOP DRAWINGS AND STRUCTURAL CALCULATIONS SHALL BE STAMPED BY A WA PE.
3. BEARING ASSEMBLIES SHALL BE CONSTRUCTED TO PERMIT REMOVAL FOR REPAIR OR REPLACEMENT BY VERTICALLY JACKING THE BRIDGE, AT ALL THE BEARINGS ON A PIER BY NO MORE THAN 1/4" FROM BEARING DECOMPRESSION.
4. LOADS ARE FROM AASHTO LRFD LOAD COMBINATIONS.
5. TOTAL CONTRACTION AND TOTAL EXPANSION MOVEMENTS INCLUDE 1.2 FACTOR PER AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
6. THE TOP PLATE, SOLE PLATE, AND STAINLESS STEEL SLIDING PLATE SHALL ACCOMMODATE THE CONTRACTION AND EXPANSION ALLOWANCES SHOWN. THE SHOP DRAWINGS SHALL SHOW THE PROPER INSTALLED POSITION OF THESE PLATES WITH RESPECT TO THE SHEAR PIN. THE ALLOWANCES SHOWN DO NOT REQUIRE ADJUSTMENT FOR TEMPERATURE VARIATIONS AT BEARING INSTALLATION.
7. PLATE DIMENSIONS GIVEN ARE THE MAXIMUM PERMISSIBLE TO ALLOW THE BEARINGS TO FIT WITHIN THE CONCRETE DIMENSIONS SHOWN IN THE PLANS. THE BEARINGS UNDERNEATH ALL GIRDERS AT A GIVEN PIER MAY HAVE THE SAME DESIGN.
8. BEARINGS ARE TO BE SET LEVEL.
9. BEARINGS SHALL PROVIDE A MINIMUM ROTATIONAL CAPACITY OF 0.013 RADIANS. THIS CAPACITY REQUIREMENT INCLUDES THE FACTORED BEARING ROTATION PLUS A FABRICATION AND INSTALLATION TOLERANCE (0.005 RADIANS) AND AN UNCERTAINTY TOLERANCE (0.005 RADIANS).
10. BEARINGS SHALL CONFORM TO THE PROJECT SPECIFICATIONS.
11. PEDESTAL HEIGHT SHALL BE DETERMINED BASED ON THE FINAL BEARING HEIGHTS, THE BEARING ELEVATIONS AND THE PIER CAP ELEVATIONS. FOR PEDESTAL DESIGN, SEE PIER CAP DRAWINGS.
12. UPLIFT RESTRAINERS ARE NOT REQUIRED.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	02/12/20	SJD	KF	SJD	NDC-000009 - GIRDER BEARING REVISIONS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: D. HENDERSON
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
2/12/20 EXP: 03/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN — DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA — DATE: 11/04/19

LINE IS 1" AT FULL SCALE

City of Redmond

SCALE: NTS
FILENAME: 138-B27-SBD200
SUBMITTAL DATE: 11/04/19

RTS PEDESTRIAN BRIDGE

DISC BEARING DETAILS
SHEET 1 OF 3

DRAWING No.: B27-SBD200
FACILITY ID: B27
SHEET No.: 138
REV: 1

RECORD DRAWING #23-2281

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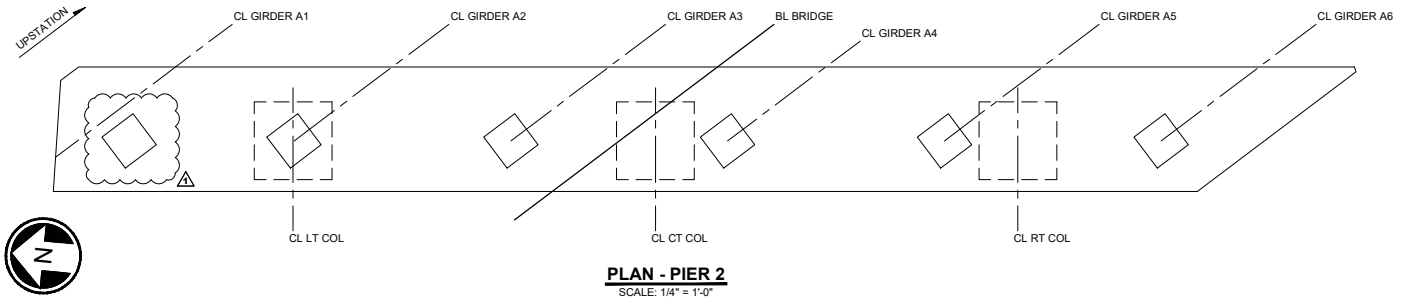


PLAN - PIER 2

SCALE: 1/4" = 1'-0"

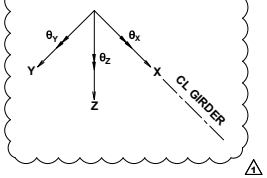
NOTES:

1. ALL STAGE DEMANDS ARE CUMULATIVE EFFECTS REPORTED AT SERVICE LEVEL.
2. CONSTRUCTION ROTATION NOT INCLUDED (0.005 RAD)
3. SEISMIC DEMANDS ARE REPORTED AS THE MAXIMUM IN EACH DIRECTION.
4. LONG TERM EFFECTS (CREEP, SHRINKAGE) HAVE BEEN INCLUDED IN STAGED RESULTS AND FINAL COMBINATIONS.
5. POSITIVE AXIAL LOAD IS COMPRESSION.
6. LONGITUDINAL KEEPER PLATE ENGAGED AT PIER 2 AFTER END OF CONSTRUCTION STAGE.
7. ~~EACH PIER SHALL HAVE THE SAME DISC BEARING DESIGN FOR ALL GIRDERS.~~
8. BEARING DESIGN SHALL BE CHECKED FOR ALL CONSTRUCTION STAGES AND FINAL COMBINATIONS.

SERVICE I = 1.0 DC + 1.0 DW + 1.0 LL + 1.0 / 1.2 TU* + 1.0 (CR, SH)
STRENGTH 1 MAX = 1.25 DC + 1.50 DW + 1.75 LL + 1.0 / 1.2 TU* + 1.0 (CR, SH)
STRENGTH 1 MIN = 0.9 DC + 0.65 DW +1.75 LL + 1.0 / 1.2 TU* + 1.0 (CR, SH)
EXTREME EVENT I = 1.0 DC + 1.0 DW + 1.0 EE + 1.0 (CR, SH)

* LARGER VALUE FOR DISPLACEMENTS, LOWER FOR LOADS

RESULTS NOTATION



PIER 2 GIRDER 1 (NORTH)

	STAGE	R_Z (KIP)	R_X (KIP)	R_Y (KIP)	Δ_X (IN)	Δ_Y (IN)	θ_X (mRAD)	θ_Y (mRAD)
KEEPER PLATE DISENGAGED	PRIOR TO POST-TENSIONING	170.90	0.00	1.40	0.02	0.00	0.31	0.55
	AFTER POST-TENSIONING	182.10	0.00	1.80	1.11	0.00	-4.84	-3.42
	SET TUB GIRDERS (UNITS 1 & 3)	212.60	0.00	4.20	1.12	0.00	-4.85	-3.44
	PRIOR TO DECK POUR	147.60	0.00	4.20	1.60	0.00	-6.20	-4.56
	AFTER DECK POUR (DC)	209.20	0.00	9.70	1.46	0.00	-2.54	-1.84
	END OF CONSTRUCTION (DC + DW)	283.50	0.00	6.50	1.31	0.00	0.27	0.39
KEEPER PLATE ENGAGED	END OF SERVICE (10,000 days) (DC + DW + CR)	220.00	-67.50	-34.70	1.31	0.00	4.13	4.32
	LIVE LOAD MAX	13.90	0.80	7.30	0.00	0.00	1.04	0.18
	LIVE LOAD MIN	-1.90	-8.30	-7.00	0.00	0.00	0.18	0.00
	TEMP +	-11.30	13.30	-5.10	0.00	0.00	0.91	0.65
	TEMP -	20.00	-23.70	9.00	0.00	0.00	-1.61	-1.15
	SERVICE I (EOS)	253.90	-99.50	-46.80	1.31	0.00	6.26	5.27
	STRENGTH I MAX (EOS)	353.78	-105.73	-51.23	1.60	0.00	7.81	6.06
	STRENGTH I MIN (EOS)	158.45	-52.80	-12.78	1.22	0.00	1.47	2.34
	EE I	220.00	-233.90	-244.60	1.31	0.00	4.13	4.32

PIER 2 GIRDER 2

	STAGE	R_Z (KIP)	R_X (KIP)	R_Y (KIP)	Δ_X (IN)	Δ_Y (IN)	θ_X (mRAD)	θ_Y (mRAD)
KEEPER PLATE DISENGAGED	PRIOR TO POST-TENSIONING	247.40	0.00	-2.90	0.02	0.00	0.47	0.42
	AFTER POST-TENSIONING	293.40	0.00	3.40	1.10	0.00	-4.63	-3.52
	SET TUB GIRDERS (UNITS 1 & 3)	487.50	0.00	-1.80	1.10	0.00	-4.65	-3.52
	PRIOR TO DECK POUR	601.40	0.00	-2.20	1.56	0.00	-6.11	-4.66
	AFTER DECK POUR (DC)	950.20	0.00	-13.90	1.42	0.00	-2.56	-1.97
	END OF CONSTRUCTION (DC + DW)	1397.30	0.00	-35.20	1.27	0.00	0.06	0.11
KEEPER PLATE ENGAGED	END OF SERVICE (10,000 days) (DC + DW + CR)	1507.50	-27.60	-48.70	1.27	0.00	4.03	3.39
	LIVE LOAD MAX	59.20	9.10	1.40	0.00	0.00	0.25	0.92
	LIVE LOAD MIN	-4.50	-6.60	-2.80	0.00	0.00	0.92	0.00
	TEMP +	36.70	11.70	-3.80	0.00	0.00	0.88	0.67
	TEMP -	-65.30	-20.80	6.80	0.00	0.00	-1.57	-1.19
	SERVICE I (EOS)	1603.40	-55.00	-55.30	1.27	0.00	6.01	5.11
	STRENGTH I MAX (EOS)	2108.90	-59.95	-71.53	1.55	0.00	7.37	6.35
	STRENGTH I MIN (EOS)	1182.82	0.02	-30.61	1.18	0.00	1.48	1.43
	EE I	1507.50	-194.00	-258.60	1.27	0.00	4.03	3.39

PIER 2 GIRDER 3

	STAGE	R_Z (KIP)	R_X (KIP)	R_Y (KIP)	Δ_X (IN)	Δ_Y (IN)	θ_X (mRAD)	θ_Y (mRAD)
KEEPER PLATE DISENGAGED	PRIOR TO POST-TENSIONING	198.80	0.00	0.10	0.02	0.00	0.23	0.26
	AFTER POST-TENSIONING	210.10	0.00	11.30	1.08	0.00	-4.81	-3.61
	SET TUB GIRDERS (UNITS 1 & 3)	274.70	0.00	11.90	1.08	0.00	-4.86	-3.65
	PRIOR TO DECK POUR	232.20	0.00	10.90	1.53	0.00	-6.41	-4.85
	AFTER DECK POUR (DC)	362.00	0.00	11.50	1.39	0.00	-3.01	-2.27
	END OF CONSTRUCTION (DC + DW)	469.70	0.00	19.40	1.25	0.00	-0.57	-0.39
KEEPER PLATE ENGAGED	END OF SERVICE (10,000 days) (DC + DW + CR)	411.40	-19.70	13.20	1.25	0.00	3.40	2.76
	LIVE LOAD MAX	34.50	8.50	2.30	0.00	0.00	0.49	0.52
	LIVE LOAD MIN	-2.10	-1.80	-2.30	0.00	0.00	0.52	0.00
	TEMP +	-10.80	16.40	4.90	0.00	0.00	0.90	0.59
	TEMP -	19.30	-29.20	-8.80	0.00	0.00	-1.60	-1.04
	SERVICE I (EOS)	465.20	-50.70	20.40	1.25	0.00	5.01	3.98
	STRENGTH I MAX (EOS)	635.43	-52.05	28.95	1.53	0.00	5.87	4.75
	STRENGTH I MIN (EOS)	323.03	11.58	-3.54	1.16	0.00	0.93	1.07
	EE I	411.40	-186.10	222.60	1.25	0.00	3.40	2.76

PIER 2 GIRDER 4

	STAGE	R_Z (KIP)	R_X (KIP)	R_Y (KIP)	Δ_X (IN)	Δ_Y (IN)	θ_X (mRAD)	θ_Y (mRAD)
KEEPER PLATE DISENGAGED	PRIOR TO POST-TENSIONING	212.10	0.00	2.40	0.02	0.00	-0.32	0.07
	AFTER POST-TENSIONING	222.30	0.00	-1.30	1.06	0.00	-5.35	-3.74
	SET TUB GIRDERS (UNITS 1 & 3)	329.70	0.00	3.20	1.07	0.00	-5.41	-3.80
	PRIOR TO DECK POUR	287.50	0.00	3.80	1.50	0.00	-7.02	-5.07
	AFTER DECK POUR (DC)	468.40	0.00	11.30	1.36	0.00	-3.71	-2.59
	END OF CONSTRUCTION (DC + DW)	602.90	0.00	31.80	1.23	0.00	-1.39	-0.80
KEEPER PLATE ENGAGED	END OF SERVICE (10,000 days) (DC + DW + CR)	529.70	-8.60	31.90	1.23	0.00	2.73	2.07
	LIVE LOAD MAX	42.30	9.80	1.40	0.00	0.00	0.00	0.88
	LIVE LOAD MIN	-1.90	-0.90	-1.70	0.00	0.00	0.88	0.00
	TEMP +	-2.00	13.90	3.30	0.00	0.00	0.85	0.59
	TEMP -	3.60	-24.70	-5.80	0.00	0.00	-1.51	-1.05
	SERVICE I (EOS)	575.60	-34.20	36.60	1.23	0.00	4.63	3.65
	STRENGTH I MAX (EOS)	791.68	-34.88	50.73	1.51	0.00	5.52	4.56
	STRENGTH I MIN (EOS)	430.46	22.45	14.82	1.14	0.00	0.48	0.44
	EE I	529.70	-175.00	241.30	1.23	0.00	2.73	2.07

PIER 2 GIRDER 5

	STAGE	R_Z (KIP)	R_X (KIP)	R_Y (KIP)	Δ_X (IN)	Δ_Y (IN)	θ_X (mRAD)	θ_Y (mRAD)
KEEPER PLATE DISENGAGED	PRIOR TO POST-TENSIONING	220.90	0.00	-1.50	0.02	0.00	0.47	-0.03
	AFTER POST-TENSIONING	238.80	0.00	-25.00	1.04	0.00	-4.62	-3.81
	SET TUB GIRDERS (UNITS 1 & 3)	275.50	0.00	-28.00	1.05	0.00	-4.69	-3.83
	PRIOR TO DECK POUR	317.30	0.00	-25.40	1.47	0.00	-6.46	-4.97
	AFTER DECK POUR (DC)	469.60	0.00	-30.10	1.33	0.00	-3.25	-2.47
	END OF CONSTRUCTION (DC + DW)	662.90	0.00	-32.20	1.18	0.00	-1.04	-0.56
KEEPER PLATE ENGAGED	END OF SERVICE (10,000 days) (DC + DW + CR)	722.80	2.60	-21.20	1.18	0.00	2.73	2.63
	LIVE LOAD MAX	62.70	7.90	1.40	0.00	0.00	0.37	0.88
	LIVE LOAD MIN	-9.30	-6.80	-4.60	0.00	0.00	0.88	0.05
	TEMP +	-32.00	13.60	3.70	0.00	0.00	0.83	0.57
	TEMP -	57.00	-24.20	-6.60	0.00	0.00	-1.48	-1.02
	SERVICE I (EOS)	842.50	24.10	-32.40	1.18	0.00	4.61	4.20
	STRENGTH I MAX (EOS)	1103.58	30.03	-44.43	1.44	0.00	5.57	5.20
	STRENGTH I MIN (EOS)	559.91	-33.50	-11.31	1.10	0.00	0.50	0.99
	EE I	722.80	169.00	-231.10	1.18	0.00	2.73	2.63

PIER 2 GIRDER 6 (SOUTH)

	STAGE	R_Z (KIP)	R_X (KIP)	R_Y (KIP)	Δ_X (IN)	Δ_Y (IN)	θ_X (mRAD)	θ_Y (mRAD)
KEEPER PLATE DISENGAGED	PRIOR TO POST-TENSIONING	153.50	0.00	0.50	0.03	0.00	-0.12	-0.24
	AFTER POST-TENSIONING	182.20	0.00	14.20	1.04	0.00	-5.04	-3.98
	SET TUB GIRDERS (UNITS 1 & 3)	207.20	0.00	14.80	1.04	0.00	-5.10	-4.04
	PRIOR TO DECK POUR	188.20	0.00	12.20	1.47	0.00	-6.75	-5.39
	AFTER DECK POUR (DC)	259.40	0.00	13.30	1.33	0.00	-3.60	-3.03
	END OF CONSTRUCTION (DC + DW)	406.00	0.00	-1.00	1.17	0.00	-1.46	-1.11
KEEPER PLATE ENGAGED	END OF SERVICE (10,000 days) (DC + DW + CR)	387.60	42.60	33.80	1.17	0.00	3.03	1.32
	LIVE LOAD MAX	29.10	5.90	8.60	0.00	0.00	0.25	0.22
	LIVE LOAD MIN	-21.60	-12.90	-8.90	0.00	0.00	0.22	0.00
	TEMP +	23.60	17.30	0.70	0.00	0.00	0.83	0.59
	TEMP -	-41.90	-30.80	-1.30	0.00	0.00	-1.47	-1.04
	SERVICE I (EOS)	440.30	65.80	43.10	1.17	0.00	4.27	2.24
	STRENGTH I MAX (EOS)	600.28	70.23	45.73	1.42	0.00	4.63	2.61
	STRENGTH I MIN (EOS)	230.65	-10.78	20.60	1.09	0.00	0.88	-0.30
	EE I	387.60	209.00	243.20	1.17	0.00	3.03	1.32

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	02/12/20	SJD	KF	SJD	NDC-000009 - GIRDER BEARING REVISIONS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: D. HENDERSON
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

JARED J. DESPRADEL — STATE OF WASHINGTON — 21600 — REGISTERED PROFESSIONAL ENGINEER
2/12/20 EXP: 03/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19
REVIEWED BY: T. KRAUPA | DATE: 11/04/19
SUBMITTAL DATE: 11/04/19

LINE IS 1" AT FULL SCALE

SCALE: 1/4" = 1'-0"
FILENAME: 139-B27-SBD201

RTS PEDESTRIAN BRIDGE

DISC BEARING DETAILS
SHEET 2 OF 3

DRAWING No.: B27-SBD201
FACILITY ID: B27
SHEET No.: 139 REV: 1

RECORD DRAWING #23-2282

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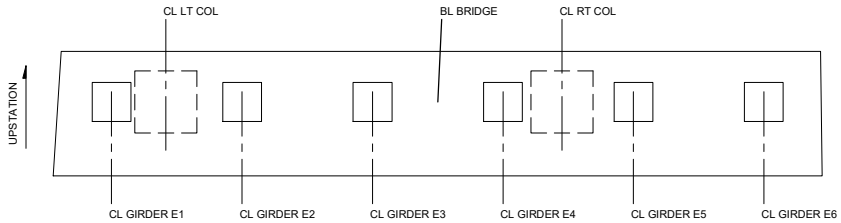


PLAN - PIER 5

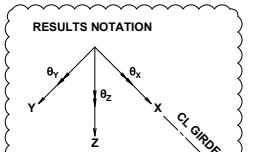
SCALE: 1/4" = 1'-0"

NOTES:

1. ALL STAGE DEMANDS ARE CUMULATIVE EFFECTS REPORTED AT SERVICE LEVEL.
2. CONSTRUCTION ROTATION NOT INCLUDED (0.005 RAD)
3. SEISMIC DEMANDS ARE REPORTED AS THE MAXIMUM IN EACH DIRECTION.
4. LONG TERM EFFECTS (CREEP, SHRINKAGE) HAVE BEEN INCLUDED IN STAGED RESULTS AND FINAL COMBINATIONS.
5. POSITIVE AXIAL LOAD IS COMPRESSION.
6. LONGITUDINAL KEEPER PLATE ENGAGED AT PIER 2 AFTER END OF CONSTRUCTION STAGE.
7. EACH UNIQUE PIER SHALL HAVE IDENTICAL DISC BEARINGS.
8. BEARING DESIGN SHALL BE CHECKED FOR ALL CONSTRUCTION STAGES AND FINAL COMBINATIONS. 1

SERVICE I = 1.0 DC + 1.0 DW + 1.0 LL + 1.0 / 1.2 TU* + 1.0 (CR, SH)
STRENGTH 1 MAX = 1.25 DC + 1.50 DW + 1.75 LL + 1.0 / 1.2 TU* + 1.0 (CR,SH)
STRENGTH 1 MIN = 0.9 DC + 0.65 DW + 0.00 LL + 1.0 / 1.2 TU* + 1.0 (CR,SH)
EXTREME EVENT I = 1.0 DC + 1.0 DW + 1.0 EE + 1.0 (CR, SH) 1

* LARGER VALUE FOR DISPLACEMENTS, LOWER FOR LOADS



PIER 5 GIRDER 1 (NORTH)

STAGE	R_Z (KIP)	R_X (KIP)	R_Y (KIP)	Δ_X (IN)	Δ_Y (IN)	θ_X (mRAD)	θ_Y (mRAD)
PRIOR TO POST-TENSIONING	172.60	0.00	1.00	0.04	0.00	0.48	-1.32
AFTER POST-TENSIONING	187.90	0.00	-0.70	-1.44	0.00	0.44	4.44
SET TUB GIRDERS (UNITS 1 & 3)	238.60	0.00	-7.00	-1.44	0.00	0.40	4.49
PRIOR TO DECK POUR	245.10	0.00	-9.10	-2.04	0.00	0.28	6.34
AFTER DECK POUR (DC)	347.30	0.00	-15.20	-1.90	0.00	0.27	3.76
END OF CONSTRUCTION (DC + DW)	622.70	0.00	-41.10	-1.73	0.00	0.11	1.72
END OF SERVICE (10,000 days) (DC + DW + CR)	607.50	0.00	-42.50	-2.65	0.00	-0.24	-1.42
LIVE LOAD MAX	39.50	0.00	1.40	-0.03	0.00	-0.01	0.01
LIVE LOAD MIN	-4.90	0.00	-2.60	0.09	0.00	0.01	0.00
TEMP +	-0.10	0.00	-0.20	0.84	0.00	0.00	-0.04
TEMP -	0.10	0.00	0.40	-1.50	0.00	0.00	0.07
SERVICE I (EOS)	647.10	0.00	-45.30	-4.48	0.00	-0.25	-1.45
STRENGTH I MAX (EOS)	901.25	0.00	-64.00	-4.89	0.00	-0.27	-1.53
STRENGTH I MIN (EOS)	467.71	0.00	-29.07	-1.35	0.00	-0.20	-0.98
EE I	607.50	0.00	-205.10	-2.65	0.00	-0.24	-1.42

PIER 5 GIRDER 2

STAGE	R_Z (KIP)	R_X (KIP)	R_Y (KIP)	Δ_X (IN)	Δ_Y (IN)	θ_X (mRAD)	θ_Y (mRAD)
PRIOR TO POST-TENSIONING	177.60	0.00	1.50	0.04	0.00	0.54	-0.59
AFTER POST-TENSIONING	206.20	0.00	0.30	-1.39	0.00	0.51	5.02
SET TUB GIRDERS (UNITS 1 & 3)	228.30	0.00	-7.20	-1.39	0.00	0.49	5.06
PRIOR TO DECK POUR	227.20	0.00	-8.20	-1.98	0.00	0.47	6.89
AFTER DECK POUR (DC)	313.00	0.00	-10.60	-1.84	0.00	0.51	4.46
END OF CONSTRUCTION (DC + DW)	487.10	0.00	-33.10	-1.69	0.00	0.49	2.61
END OF SERVICE (10,000 days) (DC + DW + CR)	521.80	0.00	-31.50	-2.60	0.00	0.49	-0.35
LIVE LOAD MAX	39.60	0.00	3.40	-0.03	0.00	0.02	-0.04
LIVE LOAD MIN	-10.40	0.00	-3.50	0.08	0.00	-0.04	0.01
TEMP +	1.10	0.00	-0.10	0.84	0.00	0.00	-0.03
TEMP -	-2.00	0.00	0.10	-1.49	0.00	0.00	0.05
SERVICE I (EOS)	562.50	0.00	-35.10	-4.42	0.00	0.51	-0.42
STRENGTH I MAX (EOS)	757.50	0.00	-51.63	-4.83	0.00	0.64	-0.26
STRENGTH I MIN (EOS)	409.37	0.00	-16.52	-1.32	0.00	0.38	-0.07
EE I	521.80	0.00	-194.10	-2.60	0.00	0.49	-0.35

PIER 5 GIRDER 3

STAGE	R_Z (KIP)	R_X (KIP)	R_Y (KIP)	Δ_X (IN)	Δ_Y (IN)	θ_X (mRAD)	θ_Y (mRAD)
PRIOR TO POST-TENSIONING	134.80	0.00	-3.70	0.04	0.00	0.52	0.02
AFTER POST-TENSIONING	140.70	0.00	-6.50	-1.35	0.00	0.48	5.44
SET TUB GIRDERS (UNITS 1 & 3)	153.40	0.00	-12.70	-1.35	0.00	0.45	5.48
PRIOR TO DECK POUR	70.90	0.00	-14.30	-1.91	0.00	0.34	7.31
AFTER DECK POUR (DC)	94.00	0.00	-22.00	-1.79	0.00	0.35	5.09
END OF CONSTRUCTION (DC + DW)	152.90	0.00	-45.60	-1.65	0.00	0.28	3.46
END OF SERVICE (10,000 days) (DC + DW + CR)	13.60	0.00	-49.30	-2.55	0.00	0.09	0.79
LIVE LOAD MAX	7.10	0.00	1.40	-0.03	0.00	0.01	-0.10
LIVE LOAD MIN	-0.70	0.00	-3.50	0.08	0.00	-0.10	0.00
TEMP +	0.00	0.00	0.10	0.83	0.00	0.00	-0.03
TEMP -	0.10	0.00	-0.20	-1.47	0.00	0.00	0.05
SERVICE I (EOS)	20.80	0.00	-53.00	-4.34	0.00	0.09	0.85
STRENGTH I MAX (EOS)	79.08	0.00	-72.93	-4.74	0.00	0.15	1.31
STRENGTH I MIN (EOS)	-17.64	0.00	-36.29	-1.28	0.00	-0.10	0.63
EE I	13.60	0.00	-211.90	-2.55	0.00	0.09	0.79

PIER 5 GIRDER 4

STAGE	R_Z (KIP)	R_X (KIP)	R_Y (KIP)	Δ_X (IN)	Δ_Y (IN)	θ_X (mRAD)	θ_Y (mRAD)
PRIOR TO POST-TENSIONING	203.30	0.00	-5.50	0.04	0.00	0.58	-1.63
AFTER POST-TENSIONING	238.50	0.00	-7.50	-1.30	0.00	0.53	3.58
SET TUB GIRDERS (UNITS 1 & 3)	311.70	0.00	-10.50	-1.30	0.00	0.51	3.61
PRIOR TO DECK POUR	377.30	0.00	-11.60	-1.84	0.00	0.37	5.40
AFTER DECK POUR (DC)	523.50	0.00	-18.80	-1.73	0.00	0.36	3.38
END OF CONSTRUCTION (DC + DW)	949.30	0.00	-34.90	-1.60	0.00	0.27	1.90
END OF SERVICE (10,000 days) (DC + DW + CR)	1038.20	0.00	-41.80	-2.49	0.00	-0.05	-0.60
LIVE LOAD MAX	50.90	0.00	0.00	-0.03	0.00	0.00	-0.42
LIVE LOAD MIN	-2.10	0.00	-2.50	0.07	0.00	-0.42	0.01
TEMP +	1.40	0.00	0.20	0.82	0.00	0.00	-0.03
TEMP -	-2.50	0.00	-0.40	-1.46	0.00	0.00	0.06
SERVICE I (EOS)	1090.50	0.00	-44.70	-4.27	0.00	-0.48	-1.06
STRENGTH I MAX (EOS)	1472.45	0.00	-59.33	-4.66	0.00	-0.75	-1.28
STRENGTH I MIN (EOS)	830.65	0.00	-34.09	-1.26	0.00	-0.05	-0.34
EE I	1038.20	0.00	-204.40	-2.49	0.00	-0.05	-0.60

PIER 5 GIRDER 5

STAGE	R_Z (KIP)	R_X (KIP)	R_Y (KIP)	Δ_X (IN)	Δ_Y (IN)	θ_X (mRAD)	θ_Y (mRAD)
PRIOR TO POST-TENSIONING	191.90	0.00	3.40	0.03	0.00	0.56	-1.02
AFTER POST-TENSIONING	224.70	0.00	7.60	-1.25	0.00	0.54	3.98
SET TUB GIRDERS (UNITS 1 & 3)	281.10	0.00	17.60	-1.25	0.00	0.59	4.01
PRIOR TO DECK POUR	341.50	0.00	19.70	-1.79	0.00	0.77	5.81
AFTER DECK POUR (DC)	479.10	0.00	30.00	-1.69	0.00	0.87	4.02
END OF CONSTRUCTION (DC + DW)	837.40	0.00	70.00	-1.56	0.00	1.10	2.69
END OF SERVICE (10,000 days) (DC + DW + CR)	917.80	0.00	72.80	-2.46	0.00	1.60	0.39
LIVE LOAD MAX	53.10	0.00	4.90	-0.03	0.00	0.03	-0.02
LIVE LOAD MIN	-6.70	0.00	-2.70	0.07	0.00	-0.02	0.04
TEMP +	2.20	0.00	0.50	0.81	0.00	0.00	-0.04
TEMP -	-3.90	0.00	-0.80	-1.44	0.00	0.00	0.07
SERVICE I (EOS)	973.10	0.00	78.20	-4.22	0.00	1.63	0.52
STRENGTH I MAX (EOS)	1311.85	0.00	109.38	-4.60	0.00	1.99	0.88
STRENGTH I MIN (EOS)	728.86	0.00	50.28	-1.24	0.00	1.40	0.37
EE I	917.80	0.00	234.80	-2.46	0.00	1.60	0.39

PIER 5 GIRDER 6 (SOUTH)

STAGE	R_Z (KIP)	R_X (KIP)	R_Y (KIP)	Δ_X (IN)	Δ_Y (IN)	θ_X (mRAD)	θ_Y (mRAD)
PRIOR TO POST-TENSIONING	102.40	0.00	4.20	0.03	0.00	0.46	-0.54
AFTER POST-TENSIONING	110.50	0.00	9.70	-1.21	0.00	0.44	4.29
SET TUB GIRDERS (UNITS 1 & 3)	128.60	0.00	22.70	-1.22	0.00	0.49	4.35
PRIOR TO DECK POUR	68.30	0.00	25.80	-1.75	0.00	0.68	6.20
AFTER DECK POUR (DC)	79.30	0.00	38.90	-1.66	0.00	0.77	4.62
END OF CONSTRUCTION (DC + DW)	130.00	0.00	88.40	-1.55	0.00	1.00	3.43
END OF SERVICE (10,000 days) (DC + DW + CR)	37.30	0.00	90.60	-2.46	0.00	1.45	1.35
LIVE LOAD MAX	6.20	0.00	5.60	-0.03	0.00	0.03	0.07
LIVE LOAD MIN	-4.80	0.00	-3.10	0.06	0.00	0.07	0.00
TEMP +	0.40	0.00	0.50	0.80	0.00	0.00	-0.05
TEMP -	-0.70	0.00	-0.90	-1.43	0.00	0.00	0.09
SERVICE I (EOS)	43.90	0.00	96.70	-4.21	0.00	1.52	1.53
STRENGTH I MAX (EOS)	93.73	0.00	135.38	-4.59	0.00	1.87	2.14
STRENGTH I MIN (EOS)	2.53	0.00	63.06	-1.27	0.00	1.29	1.25
EE I	37.30	0.00	252.60	-2.46	0.00	1.45	1.35

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	02/12/20	SJD	KF	SJD	NDC-000009 - GIRDER BEARING REVISIONS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: D. HENDERSON
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — 21200 — REGISTERED PROFESSIONAL ENGINEER
2/12/20 EXP: 03/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN | DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA | DATE: 11/04/19

LINE IS 1" AT FULL SCALE

City of Redmond

SCALE: 1/4" = 1'-0"
FILENAME: 140-B27-SBD202
SUBMITTAL DATE: 11/04/19

RTS PEDESTRIAN BRIDGE

DISC BEARING DETAILS
SHEET 3 OF 3

DRAWING No.: B27-SBD202
FACILITY ID: B27
SHEET No.: 140 REV: 1

RECORD DRAWING #23-2283

02/11/20 | 11:59 PM | ALYSSA.SOLIZ
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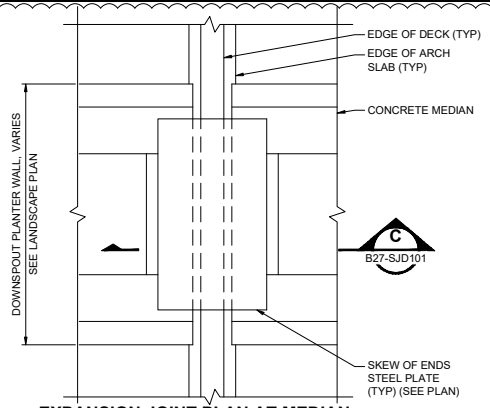
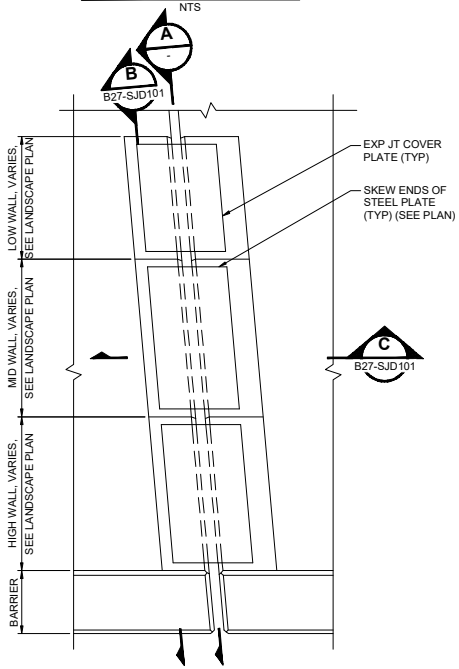


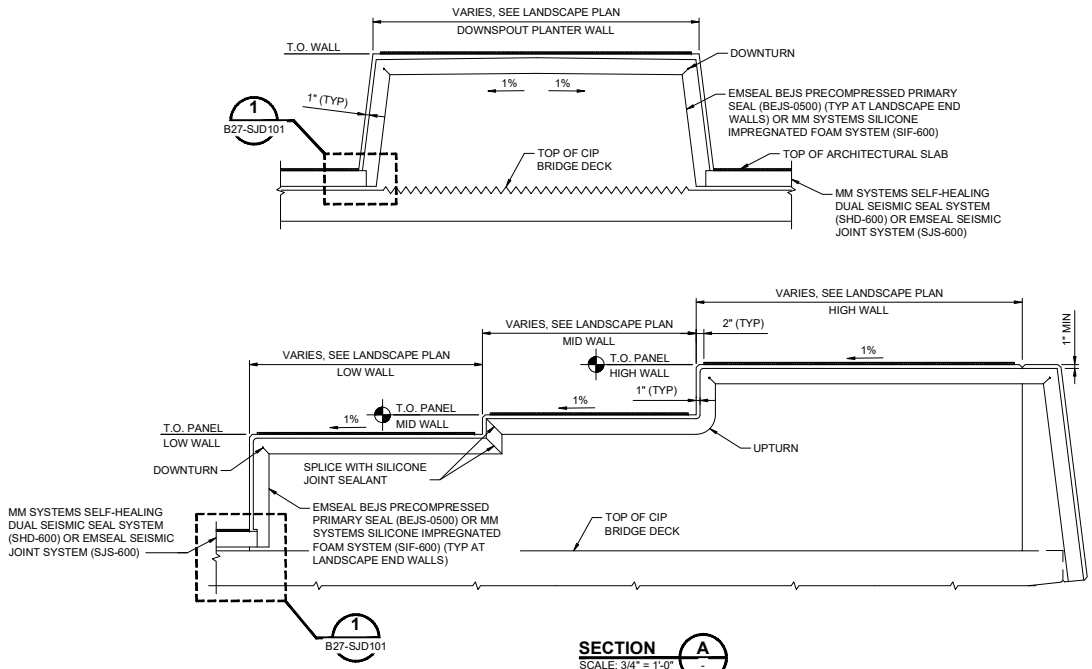
EXPANSION JOINT PLAN AT MEDIAN LANDSCAPE END WALLS

NTS



EXPANSION JOINT PLAN AT LANDSCAPE END WALLS

NTS



SECTION A

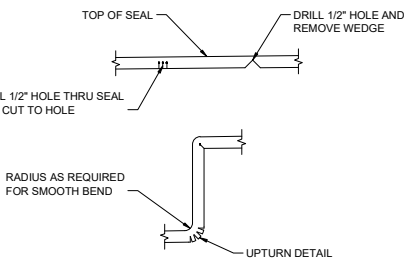
SCALE: 3/4" = 1'-0"

EXPANSION JOINT WITH +/- 50% x 'W' DISPLACEMENT CAPACITY *						
LOCATION	ASSUMED NOMINAL SEAL WIDTH 'W' (in.)	MAX AND MIN OPENING 'A' NORMAL TO JOINT (in.)		OPENING 'A' NORMAL TO JOINT (in.) AT INSTALLATION		
		MIN	MAX	@ 42° F	@ 53° F	@ 65° F
PIER 1	TO BE DESIGNED AND INSTALLED BY OTHERS					
PIER 2	6.00	3.00	9.00	5.00	5.00	5.00
PIER 5	6.00	3.00	9.00	5.13	4.71	4.26
PIER 9	TO BE DESIGNED AND INSTALLED BY OTHERS					

EXPANSION JOINT WITH +/- 60% x 'W' DISPLACEMENT CAPACITY *						
LOCATION	ASSUMED NOMINAL SEAL WIDTH (in.)	OPENING 'B' NORMAL TO JOINT (in.)		OPENING 'B' NORMAL TO JOINT (in.)		
		MIN	MAX	@ 42° F	@ 53° F	@ 65° F
PIER 1	TO BE DESIGNED AND INSTALLED BY OTHERS					
PIER 2	5.00	2.00	8.00	4.00	4.00	4.00
PIER 5	5.00	2.00	8.00	4.13	3.71	3.26
PIER 9	TO BE DESIGNED AND INSTALLED BY OTHERS					

NOTE: MAX AND MIN DISPLACEMENT CAPACITY CAN BE CALCULATED AS THE DIFFERENCE BETWEEN MAX / MIN OPENING MINUS INSTALLATION OPENING

* REQUIRES A SHEAR DISPLACEMENT CAPACITY OF 20% OF THE LONGITUDINAL DISPLACEMENT CAPACITY



BENDING DETAIL

NTS

NOTE: FIELD BENDING DETAILS SHOWN. PREFABRICATED BENDING DETAILS ARE ALSO ACCEPTABLE.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	11/09/20	SJD	KF	SJD	NDC-000048 - EXPANSION JOINT REVISIONS
1	02/12/20	SJD	KF	SJD	NDC-000009 - GIRDER BEARING REVISIONS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JAMES J. DESPRADEL — STATE OF WASHINGTON — PROFESSIONAL ENGINEER
11/9/20 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: AS NOTED
FILENAME: 141-B27-SJD100

RTS PEDESTRIAN BRIDGE

EXPANSION JOINT DETAILS
SHEET 1 OF 2

DRAWING No.: B27-SJD100
FACILITY ID: B27
SHEET No.: 141
REV: 2

RECORD DRAWING #23-2284

11/13/20 | 2:40 PM | ALYSSA.SOLIZ
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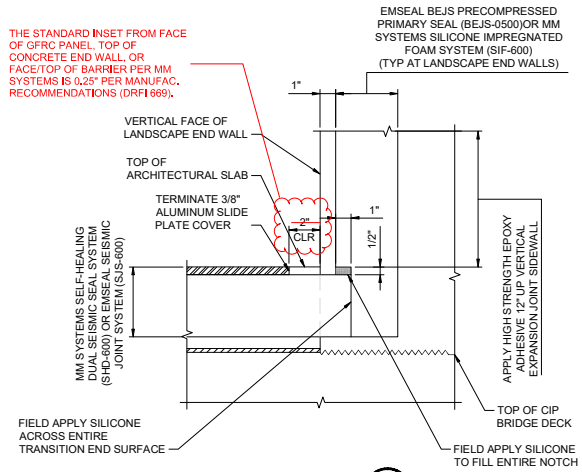
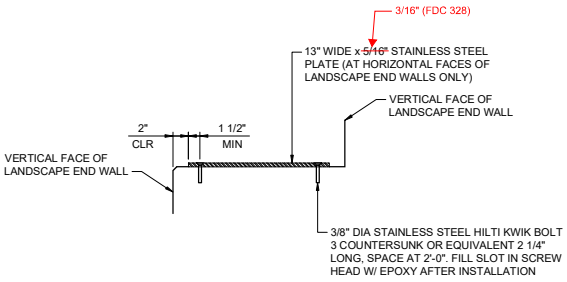
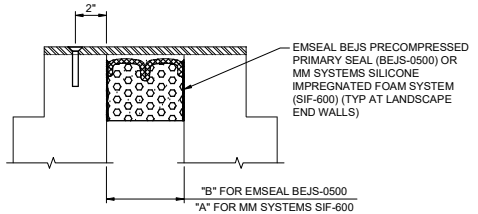


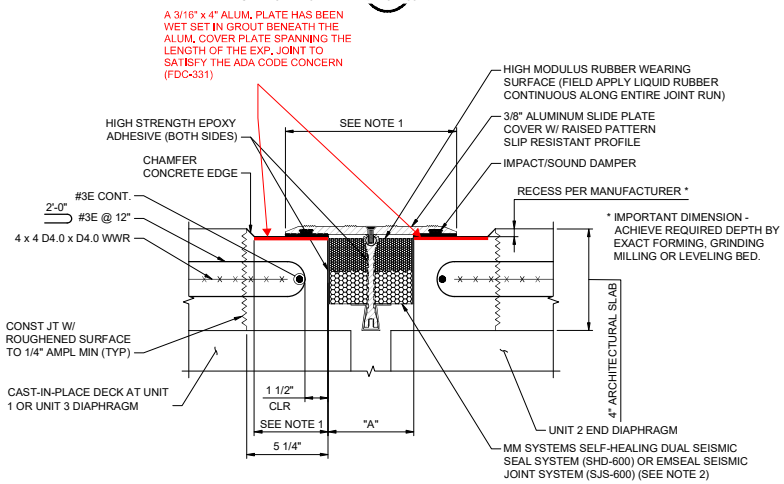
DETAIL 1
SCALE: 3" = 1'-0" B27-SJD100



SECTION B
NTS B27-SJD100



SECTION C
SCALE: 3" = 1'-0" B27-SJD100



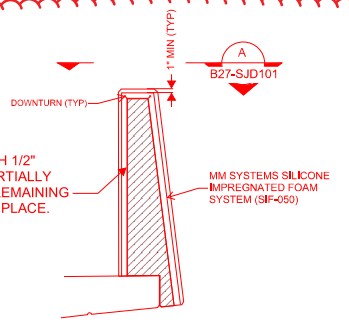
NOTES:
1. FOR EXPANSION JOINT PRODUCT INFORMATION SHOWN BUT NOT NOTED, SEE MANUFACTURER'S PUBLISHED PRODUCT DATA.
2. FOR EMSEAL SJS, CONFIRM WITH MANUFACTURER THE FOAM SEAL WILL FIT WITHIN THE ARCHITECTURAL SLAB.

EXPANSION JOINT ELEVATION AT PEDESTRIAN / BIKE PATHWAY
NTS

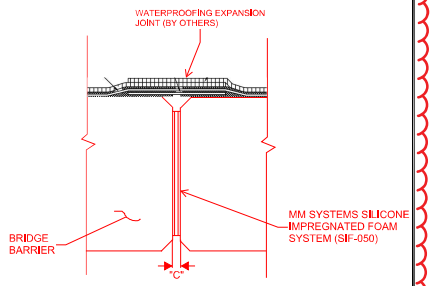
LIMITED TO AS-BUILT INFORMATION ONLY:

DRFI-000137

FORM THE 1/2" BARRIER VOID WITH 1/2" EXPANSION BOARD AND THEN PARTIALLY REMOVE AFTER BARRIER POUR. REMAINING EXPANSION BOARD TO REMAIN IN PLACE. (FDC-000194)



EXPANSION JOINT AT PIER 3 AND PIER 4 BARRIER
SCALE: 3/4" = 1'-0"



VIEW A
SCALE: 3" = 1'-0" B27-SJD101

LOCATION	EXPANSION JOINT WITH +/- 50% x 'W' DISPLACEMENT CAPACITY					
	ASSUMED NOMINAL SEAL WIDTH 'W' (in.)	OPENING 'C' NORMAL TO JOINT		OPENING 'C' NORMAL TO JOINT (in.)		
		MIN	MAX	@ 42° F	@ 53° F	@ 65° F
PIER 3	0.50	0.25	0.75	0.50	0.50	0.50
PIER 4	0.50	0.25	0.75	0.50	0.50	0.50

NOTE: MAX AND MIN DISPLACEMENT CAPACITY CAN BE CALCULATED AS THE DIFFERENCE BETWEEN MAX / MIN OPENING MINUS INSTALLATION OPENING.

NEW SHEET

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
0	11/09/20	SJD	KF	SJD	NDC-000048 - EXPANSION JOINT REVISIONS

DESIGNED BY: K. FORARS
DRAWN BY: J. SCHMIDT
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

ANDREA J. DESPRADEL — STATE OF WASHINGTON — 21807 — REGISTERED PROFESSIONAL ENGINEER
11/9/20 EXP: 9/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN DATE: 11/04/19
REVIEWED BY: T. KRAUPA DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 141A-B27-SJD101

RTS PEDESTRIAN BRIDGE

EXPANSION JOINT DETAILS
SHEET 2 OF 2

DRAWING No.: B27-SJD101
FACILITY ID: B27
SHEET No.: 141a REV.:

RECORD DRAWING #23-2285

11/09/20 | 10:09 AM | ALYSSA.SOLIZ
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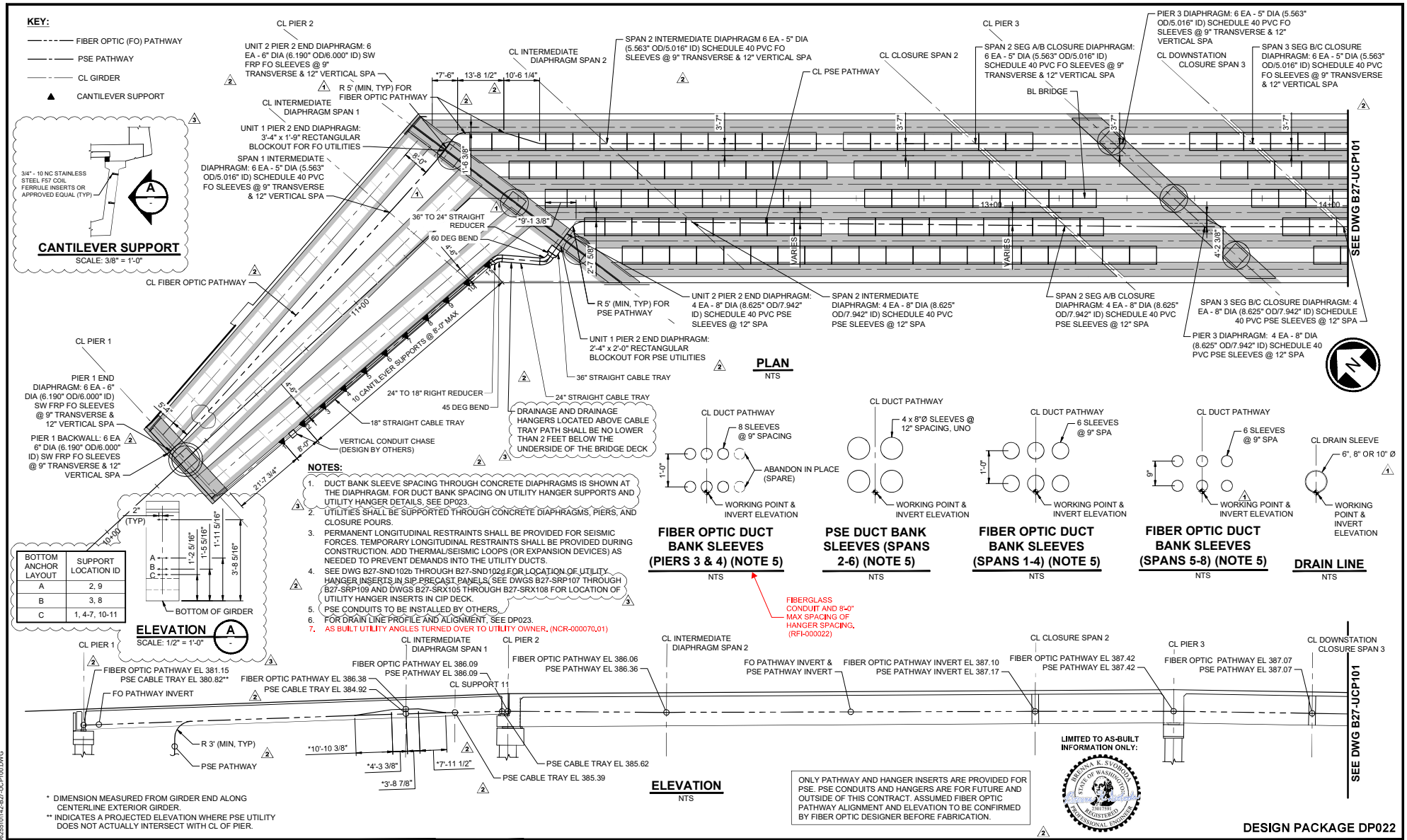

No.	DATE	DSN	CHK	APP	REVISION
3	11/13/20	SJD	KF	SJD	NDC-000026 - REMOVE UTILITY HANGER DETAILS
2	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVE REVISION
1	02/12/20	SJD	KF	SJD	NDC-000009 - REVISED FO AT PIER 2
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: A. SOLIZ
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

MARC J. DESPRADEL — STATE OF WASHINGTON — 22810 — REGISTERED PROFESSIONAL ENGINEER — 11/13/20 — EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY:	DATE:	REVIEWED BY:	DATE:	SUBMITTAL DATE:
G. OWEN	11/04/19	T. KRAUPA	11/04/19	11/04/20

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: NTS
FILENAME: 142-B27-UCP100

RTS PEDESTRIAN BRIDGE

UTILITY PLAN
SHEET 1 OF 3

DRAWING No.: B27-UCP100
FACILITY ID: B27
SHEET No.: 142
REV.: 3

RECORD DRAWING #23-2286

01/07/21 | 7:36 PM | ALYSSA.SOLIZ
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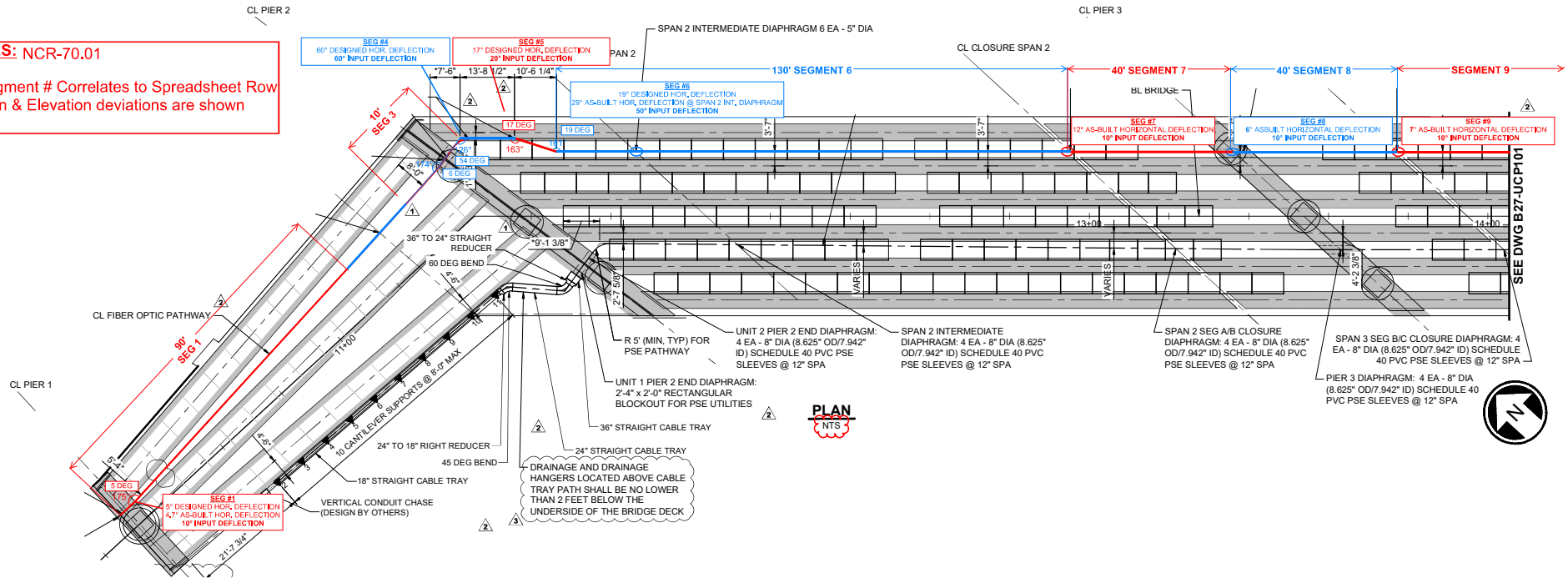
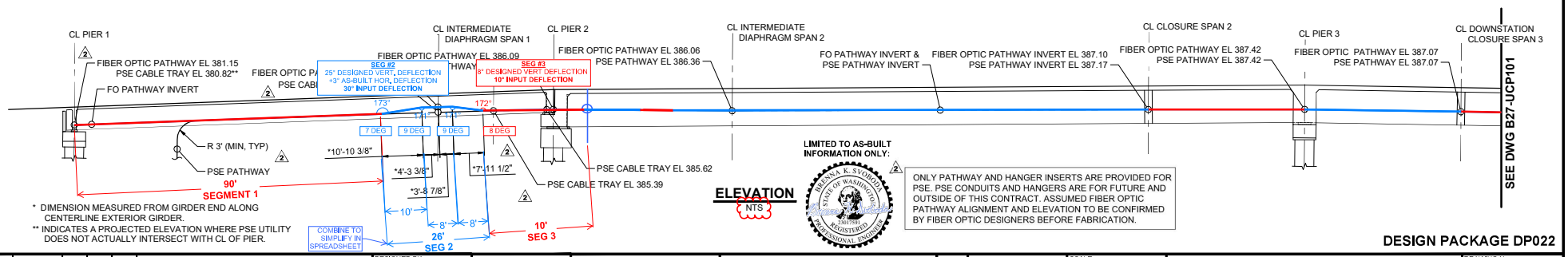
NOTES: NCR-70.01

1) Segment # Correlates to Spreadsheet Row
2) Plan & Elevation deviations are shown





DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
3	11/13/20	SJD	KF	SJD	NDC-000026 - REMOVE UTILITY HANGER DETAILS
2	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVE REVISION
1	02/12/20	SJD	KF	SJD	NDC-000009 - REVISED FO AT PIER 2
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: A. SOLIZ
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

SCALE: NTS
FILENAME: 142-B27-UCP100

RTS PEDESTRIAN BRIDGE

UTILITY PLAN
SHEET 1 OF 3

DRAWING No.: B27-UCP100
FACILITY ID: B27
SHEET No.: 142
REV.: 3

RECORD DRAWING #23-2287

REF LIST:
01/07/21 | 7:36 PM | ALYSSA.SOLIZ
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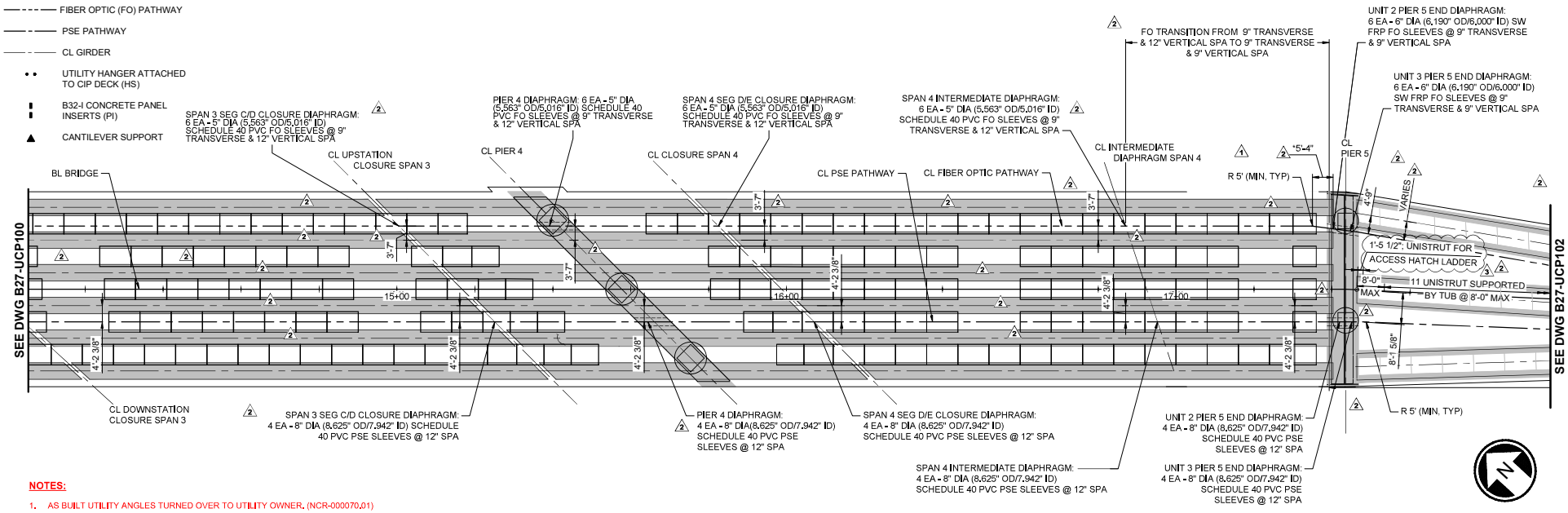
KEY:

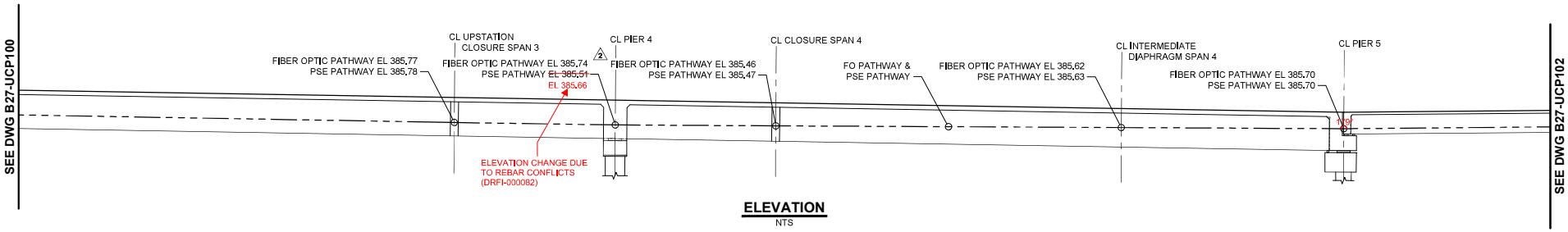
- FIBER OPTIC (FO) PATHWAY
- PSE PATHWAY
- CL GIRDER
- UTILITY HANGER ATTACHED TO CIP DECK (HS)
- B32-I CONCRETE PANEL INSERTS (PI)
- CANTILEVER SUPPORT



NOTES:

1. AS BUILT UTILITY ANGLES TURNED OVER TO UTILITY OWNER. (NCR-000070.01)

PLAN
NTS



ELEVATION
NTS

LIMITED TO AS-BUILT INFORMATION ONLY:

2. ONLY PATHWAY AND HANGER INSERTS ARE PROVIDED FOR PSE. PSE CONDUITS AND HANGERS ARE FOR FUTURE AND OUTSIDE OF THIS CONTRACT. ASSUMED FIBER OPTIC PATHWAY ALIGNMENT AND ELEVATION TO BE CONFIRMED BY FIBER OPTIC DESIGNERS BEFORE FABRICATION.

* DIMENSION MEASURED FROM GIRDER END ALONG CENTERLINE GIRDER.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
3	11/13/20	SJD	KF	SJD	NDC-000026 - ACCESS HATCH LADDER UNISTRUT
2	09/10/20	SJD	KF	SJD	NDC-000038 - FO & PSE DIAPHRAGM SLEEVES
1	02/12/20	SJD	KF	SJD	NDC-000009 - REVISED FO AT PIER 2
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: A. SOLIZ
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JEROME J. DESPRADEL, STATE OF WASHINGTON, 19700, REGISTERED PROFESSIONAL ENGINEER — 11/13/20 — EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: NTS
FILENAME: 143-B27-UCP101

RTS PEDESTRIAN BRIDGE

UTILITY PLAN
SHEET 2 OF 3

DRAWING No.: B27-UCP101
FACILITY ID: B27
SHEET No.: 143
REV.: 3

RECORD DRAWING #23-2288

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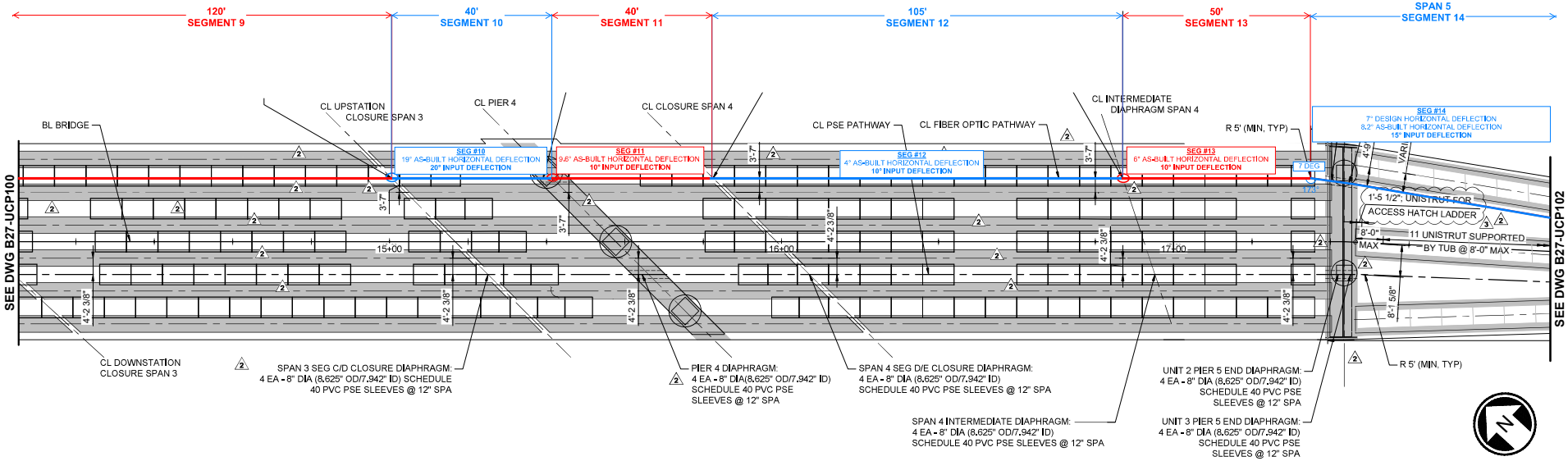
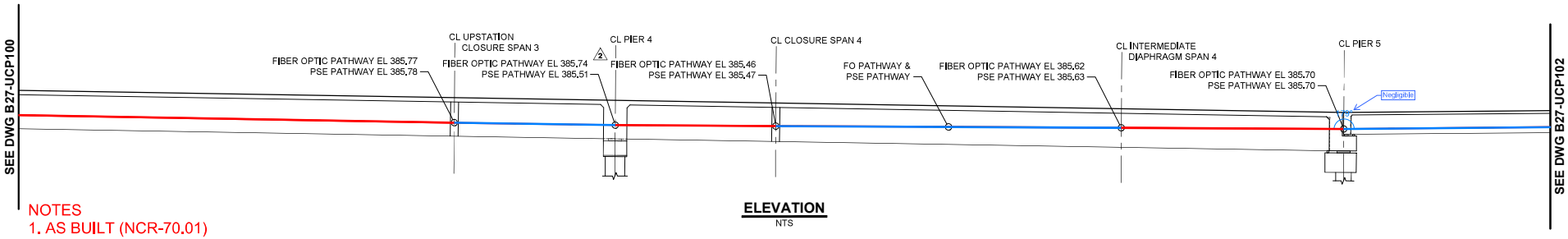


PLAN
NTS



ELEVATION
NTS

NOTES
1. AS BUILT (NCR-70.01)

* DIMENSION MEASURED FROM GIRDER END ALONG CENTERLINE GIRDER.

LIMITED TO AS-BUILT INFORMATION ONLY:

2. ONLY PATHWAY AND HANGER INSERTS ARE PROVIDED FOR PSE. PSE CONDUITS AND HANGERS ARE FOR FUTURE AND OUTSIDE OF THIS CONTRACT. ASSUMED FIBER OPTIC PATHWAY ALIGNMENT AND ELEVATION TO BE CONFIRMED BY FIBER OPTIC DESIGNERS BEFORE FABRICATION.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
3	11/13/20	SJD	KF	SJD	NDC-000026 - ACCESS HATCH LADDER UNISTRUT
2	09/10/20	SJD	KF	SJD	NDC-000038 - FO & PSE DIAPHRAGM SLEEVES
1	02/12/20	SJD	KF	SJD	NDC-000009 - REVISED FO AT PIER 2
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: A. SOLIZ
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL
11/13/20 EXP: 3/15/21

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: NTS
FILENAME: 143-B27-UCP101
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UTILITY PLAN
SHEET 2 OF 3

DRAWING No.: B27-UCP101
FACILITY ID: B27
SHEET No.: 143
REV.: 3

RECORD DRAWING #23-2289

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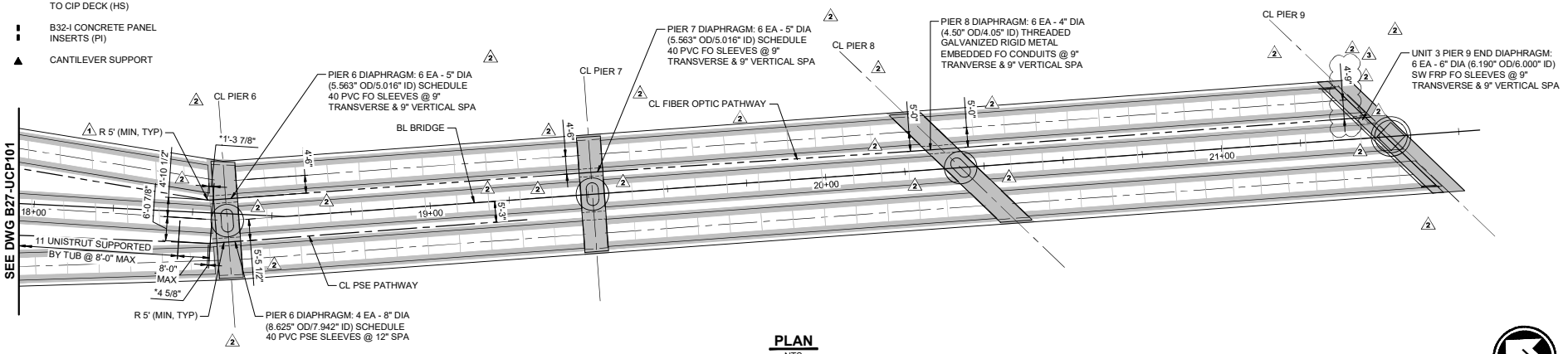
KEY:

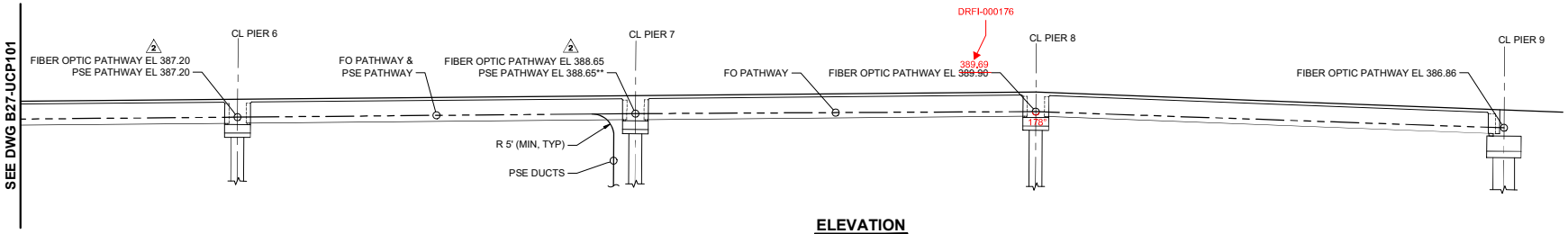
- FIBER OPTIC (FO) PATHWAY
- PSE PATHWAY
- CL GIRDER
- UTILITY HANGER ATTACHED TO CIP DECK (HS)
- B32-I CONCRETE PANEL INSERTS (PI)
- CANTILEVER SUPPORT



PLAN
NTS

NOTES:

1. AS BUILT UTILITY ANGLES TURNED OVER TO UTILITY OWNER. (NCR-000070.01)



ELEVATION
NTS

LIMITED TO AS-BUILT INFORMATION ONLY:

* DIMENSION MEASURED FROM GIRDER END ALONG CENTERLINE GIRDER.
** INDICATES A PROJECTED ELEVATION WHERE PSE UTILITY DOES NOT ACTUALLY INTERSECT WITH CL OF PIER.

2 ONLY PATHWAY AND HANGER INSERTS ARE PROVIDED FOR PSE. PSE CONDUITS AND HANGERS ARE FOR FUTURE AND OUTSIDE OF THIS CONTRACT. ASSUMED FIBER OPTIC PATHWAY ALIGNMENT AND ELEVATION TO BE CONFIRMED BY FIBER OPTIC DESIGNERS BEFORE FABRICATION.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
3	11/06/20	SJD	KF	SJD	NDC-000049 - FO RELOCATION FOR SPAN 9
2	09/10/20	SJD	KF	SJD	NDC-000038 - FO & PSE DIAPHRAGM SLEEVES
1	02/12/20	SJD	KF	SJD	NDC-000009 - REVISED FO AT PIER 2
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: A. SOLIZ
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

11/6/20 Exp: 3/15/21

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 11/04/19

Kiewit

REVIEWED BY: T. KRAUPA | DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: NTS
FILENAME: 144-B27-UCP102

SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UTILITY PLAN
SHEET 3 OF 3

DRAWING No.: B27-UCP102
FACILITY ID: B27
SHEET No.: 144
REV.: 3

RECORD DRAWING #23-2290

11/30/20 | 3:12 PM | ALYSSA.SOLIZ
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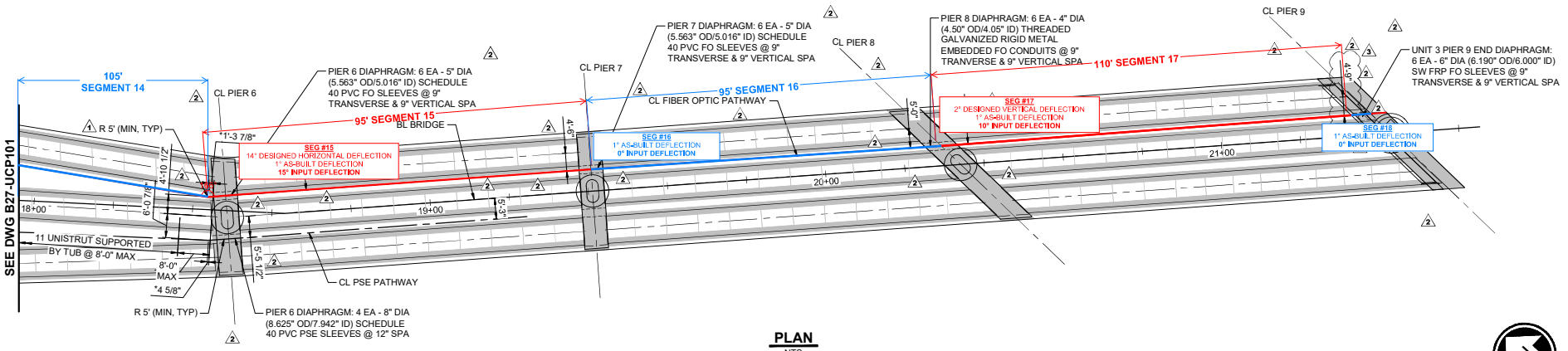
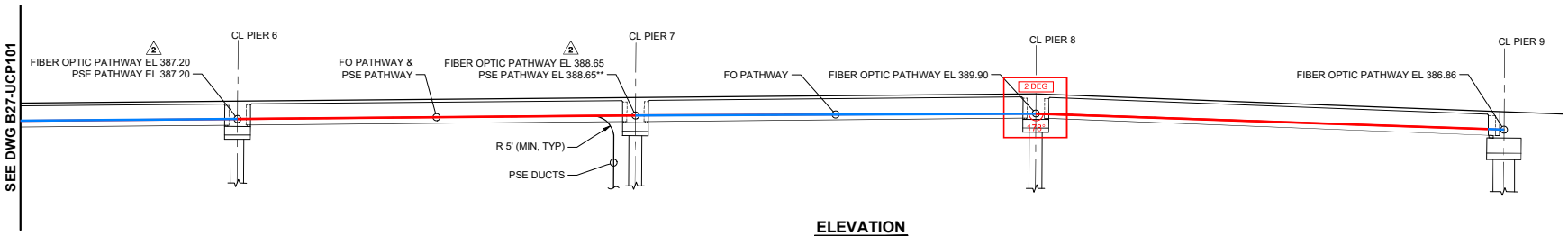
NOTES
1. AS BUILT (NCR-70.01)



PLAN
NTS



ELEVATION
NTS

LIMITED TO AS-BUILT INFORMATION ONLY:

BRIANA K. SVOBODA — STATE OF WASHINGTON — 23017391 — REGISTERED PROFESSIONAL ENGINEER

* DIMENSION MEASURED FROM GIRDER END ALONG CENTERLINE GIRDER.
** INDICATES A PROJECTED ELEVATION WHERE PSE UTILITY DOES NOT ACTUALLY INTERSECT WITH CL OF PIER.

2 ONLY PATHWAY AND HANGER INSERTS ARE PROVIDED FOR PSE. PSE CONDUITS AND HANGERS ARE FOR FUTURE AND OUTSIDE OF THIS CONTRACT. ASSUMED FIBER OPTIC PATHWAY ALIGNMENT AND ELEVATION TO BE CONFIRMED BY FIBER OPTIC DESIGNERS BEFORE FABRICATION.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
3	11/06/20	SJD	KF	SJD	NDC-000049 - FO RELOCATION FOR SPAN 9
2	09/10/20	SJD	KF	SJD	NDC-000038 - FO & PSE DIAPHRAGM SLEEVES
1	02/12/20	SJD	KF	SJD	NDC-000009 - REVISED FO AT PIER 2
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: A. SOLIZ
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JEROME J. DESPRADEL — STATE OF WASHINGTON — 19991 — REGISTERED PROFESSIONAL ENGINEER — STRUCTURAL — 11/6/20 — EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN — DATE: 11/04/19
Kiewit
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
LINE IS 1" AT FULL SCALE
CityofRedmond
SCALE: NTS
FILENAME: 144-B27-UCP102
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE
UTILITY PLAN
SHEET 3 OF 3

DRAWING No.: B27-UCP102
FACILITY ID: B27
SHEET No.: 144
REV.: 3

RECORD DRAWING #23-2291

11/30/20 | 3:12 PM | ALYSSA.SOLIZ
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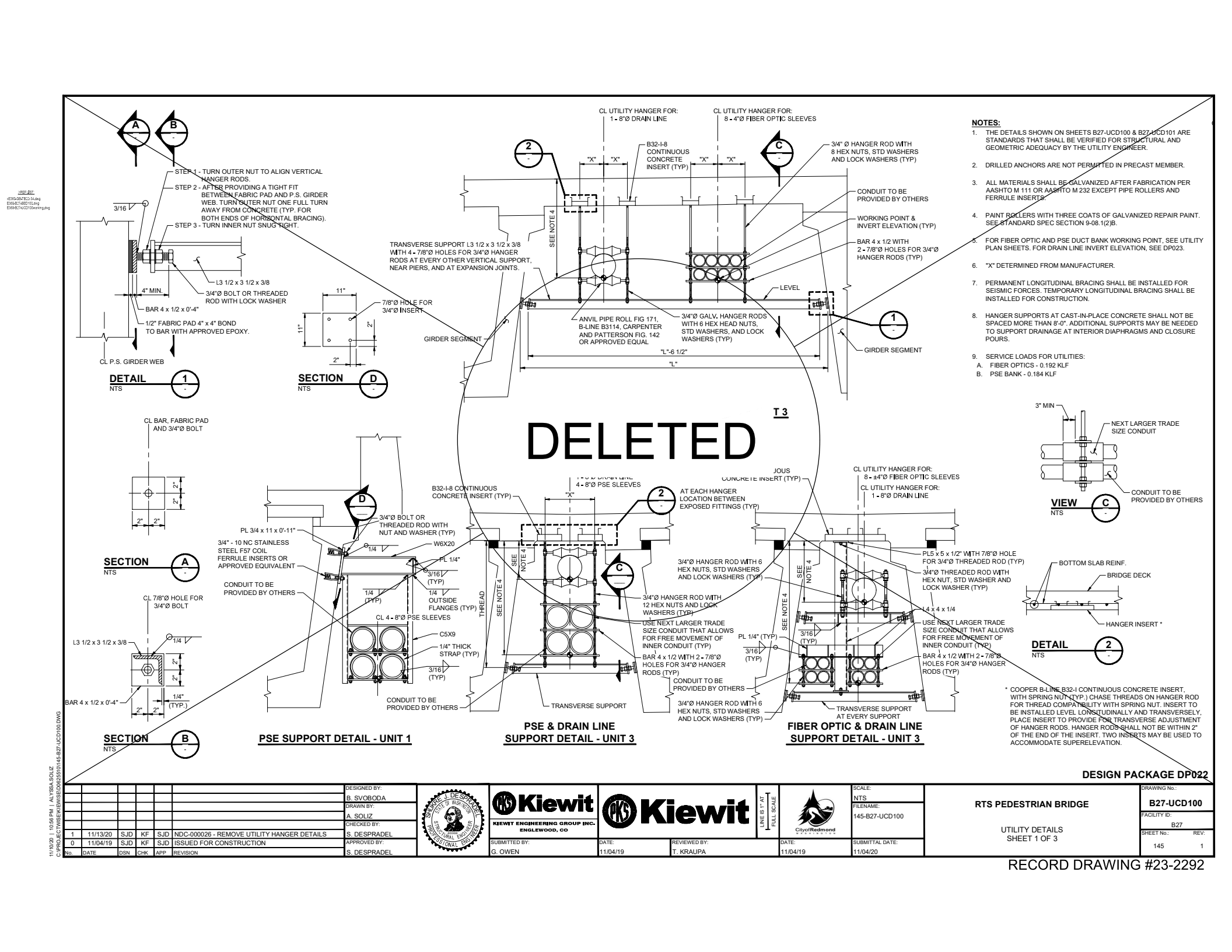

NOTES:

1. THE DETAILS SHOWN ON SHEETS B27-UCD100 & B27-UCD101 ARE STANDARDS THAT SHALL BE VERIFIED FOR STRUCTURAL AND GEOMETRIC ADEQUACY BY THE UTILITY ENGINEER.
2. DRILLED ANCHORS ARE NOT PERMITTED IN PRECAST MEMBER.
3. ALL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION PER AASHTO M 111 OR AASHTO M 232 EXCEPT PIPE ROLLERS AND FERRULE INSERTS.
4. PAINT ROLLERS WITH THREE COATS OF GALVANIZED REPAIR PAINT. SEE STANDARD SPEC SECTION 9-08.1(2)B.
5. FOR FIBER OPTIC AND PSE DUCT BANK WORKING POINT, SEE UTILITY PLAN SHEETS. FOR DRAIN LINE INVERT ELEVATION, SEE DP023.
6. "X" DETERMINED FROM MANUFACTURER.
7. PERMANENT LONGITUDINAL BRACING SHALL BE INSTALLED FOR SEISMIC FORCES. TEMPORARY LONGITUDINAL BRACING SHALL BE INSTALLED FOR CONSTRUCTION.
8. HANGER SUPPORTS AT CAST-IN-PLACE CONCRETE SHALL NOT BE SPACED MORE THAN 8'-0". ADDITIONAL SUPPORTS MAY BE NEEDED TO SUPPORT DRAINAGE AT INTERIOR DIAPHRAGMS AND CLOSURE POURS.
9. SERVICE LOADS FOR UTILITIES:
   A. FIBER OPTICS - 0.192 KLF
   B. PSE BANK - 0.184 KLF

* COOPER B-LINE B32-I CONTINUOUS CONCRETE INSERT, WITH SPRING NUT (TYP.) CHASE THREADS ON HANGER ROD FOR THREAD COMPATIBILITY WITH SPRING NUT. INSERT TO BE INSTALLED LEVEL LONGITUDINALLY AND TRANSVERSELY, PLACE INSERT TO PROVIDE FOR TRANSVERSE ADJUSTMENT OF HANGER RODS. HANGER RODS SHALL NOT BE WITHIN 2" OF THE END OF THE INSERT. TWO INSERTS MAY BE USED TO ACCOMMODATE SUPERELEVATION.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	11/13/20	SJD	KF	SJD	NDC-000026 - REMOVE UTILITY HANGER DETAILS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: A. SOLIZ
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

LINE IS 1" AT FULL SCALE

SCALE: NTS
FILENAME: 145-B27-UCD100

RTS PEDESTRIAN BRIDGE

UTILITY DETAILS
SHEET 1 OF 3

DRAWING No.: B27-UCD100
FACILITY ID: B27
SHEET No.: 145 REV: 1

RECORD DRAWING #23-2292

11/10/20 | 10:56 PM | ALYSSA.SOLIZ
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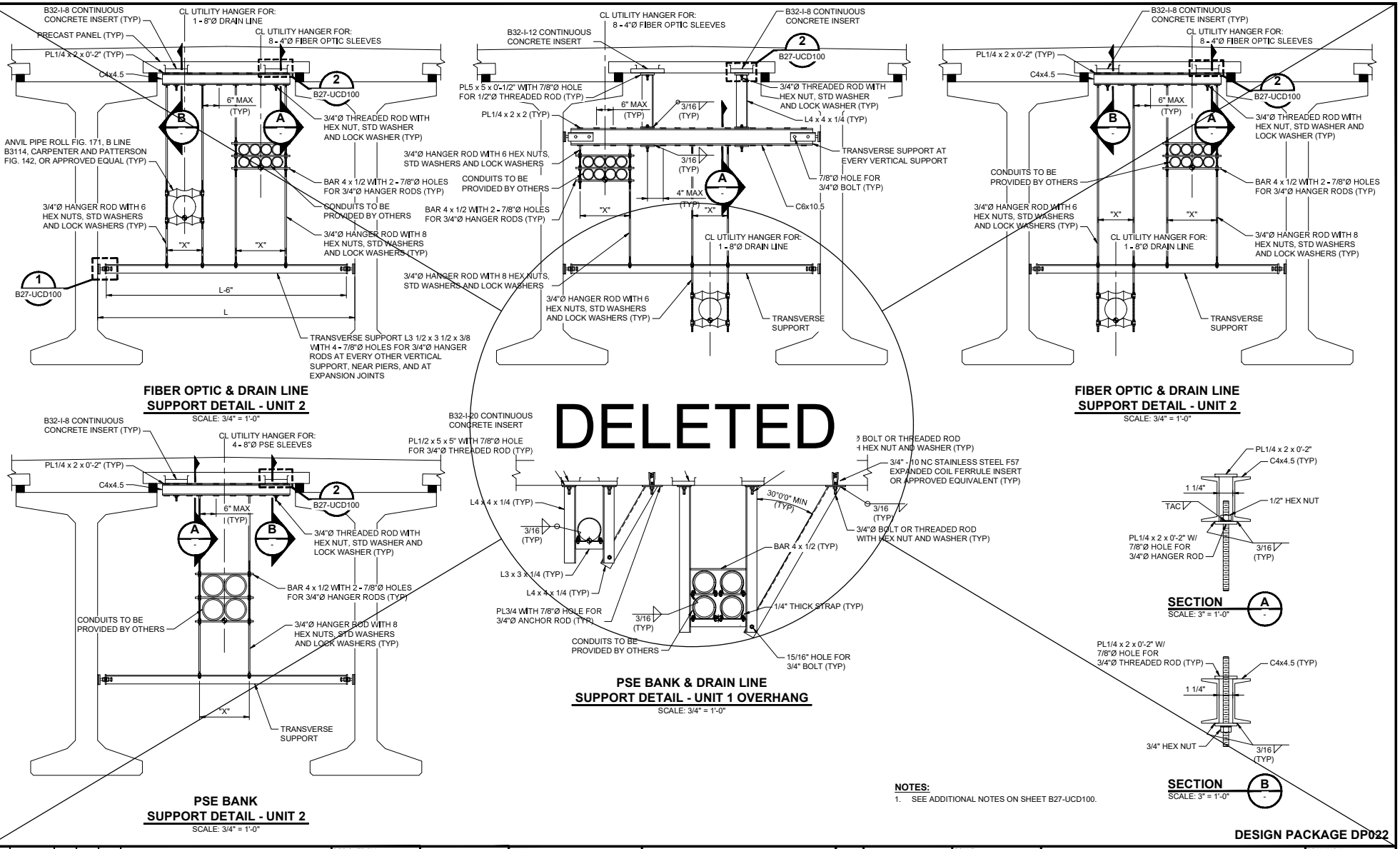

No.	DATE	DSN	CHK	APP	REVISION
1	11/13/20	SJD	KF	SJD	NDC-000026 - REMOVE UTILITY HANGER DETAILS
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: D. HENDERSON
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/20

Kiewit Engineering Group Inc. Englewood, CO

SCALE: AS NOTED
FILENAME: 146-B27-UCD101

RTS PEDESTRIAN BRIDGE

UTILITY DETAILS
SHEET 2 OF 3

DRAWING No.: B27-UCD101
FACILITY ID: B27
SHEET No.: 146 REV: 1

RECORD DRAWING #23-2293

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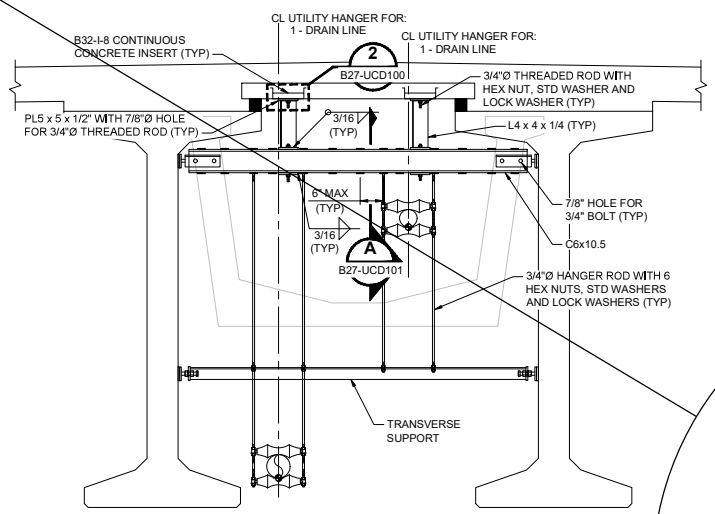
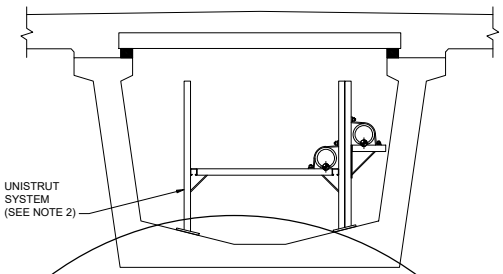
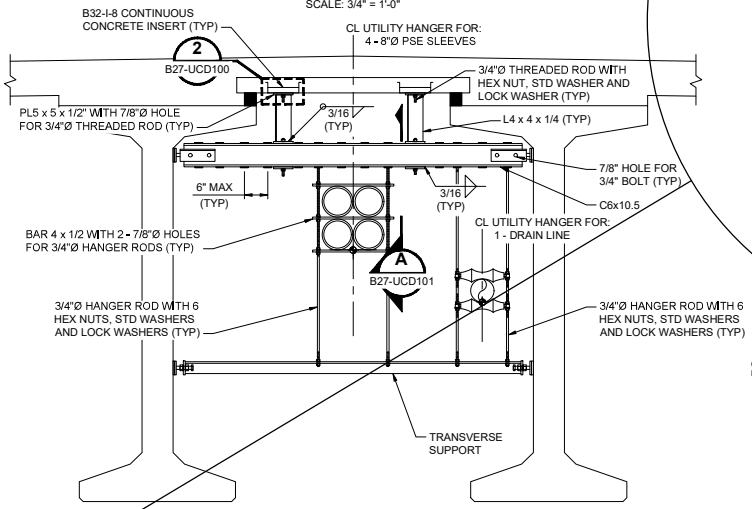


DRAIN LINE SUPPORT DETAIL - UNIT 2
SCALE: 3/4" = 1'-0"

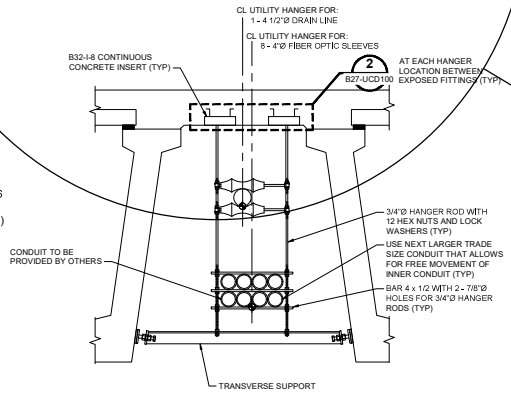


DRAIN LINE SUPPORT DETAIL - UNIT 3
SCALE: 3/4" = 1'-0"

DELETED



PSE BANK & DRAIN LINE
SUPPORT DETAIL - UNIT 2
SCALE: 3/4" = 1'-0"



FIBER OPTICS & DRAIN LINE
SUPPORT DETAIL - UNIT 1 NEAR PIER 1
SCALE: CUSTOM

NOTES:
1. SEE ADDITIONAL NOTES ON SHEET B27-UCD100.
2. UNISTRUT SYSTEM SHALL BE DESIGNED FOR ADEQUATE LATERAL AND LONGITUDINAL STABILITY.

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
2	11/13/20	SJD	KF	SJD	NDC-000026 - REMOVE UTILITY HANGER DETAILS
1	02/12/20	SJD	KF	SJD	NDC-000009 - CORRECT DWG No.
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: D. HENDERSON
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

SUBMITTED BY: G. OWEN | DATE: 11/04/19 | REVIEWED BY: T. KRAUPA | DATE: 11/04/19 | SUBMITTAL DATE: 11/04/20

Kiewit Engineering Group Inc. Englewood, CO

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 146A-B27-UCD102

RTS PEDESTRIAN BRIDGE

UTILITY DETAILS
SHEET 3 OF 3

DRAWING No.: B27-UCD102
FACILITY ID: B27
SHEET No.: 146a
REV: 2

RECORD DRAWING #23-2294

11/10/20 | 11:04 PM | ALYSSA.SOLIZ
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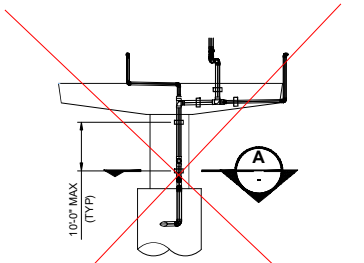
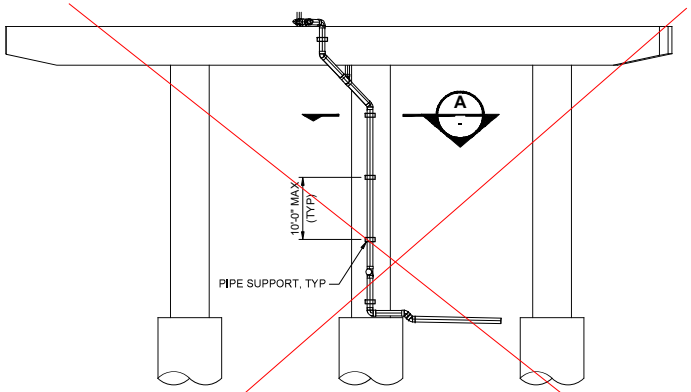
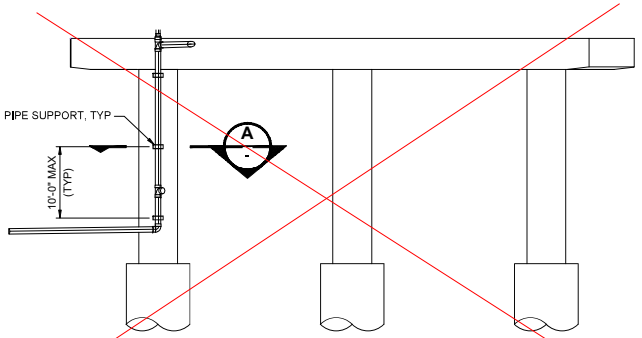


PIER 1 - 8" STAINLESS STEEL PIPE
LOOKING DOWNSTATION
SCALE: 1/4" = 1'-0"

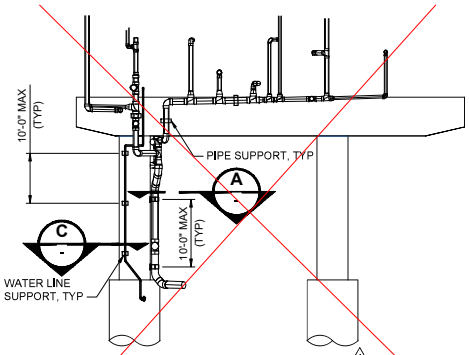


PIER 2 - 8" STAINLESS STEEL PIPE
CENTRAL COLUMN - LOOKING DOWNSTATION
SCALE: 1/4" = 1'-0"

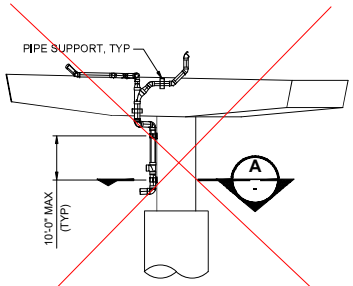


PIER 4 - 8" STAINLESS STEEL PIPE
NORTH COLUMN - LOOKING UPSTATION
SCALE: 1/4" = 1'-0"

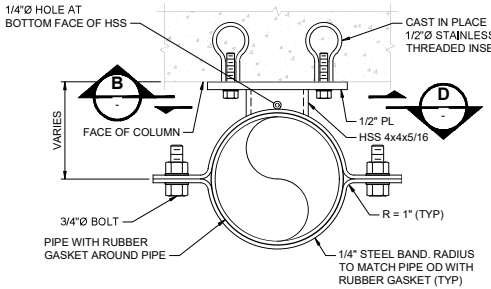
DETAILS SUPERCEEDED BY SUB-368 AND REFLECTED IN DRAINAGE SHOP DRAWING PACKAGE.



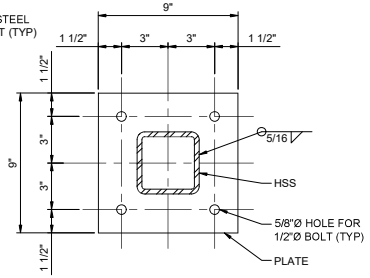
PIER 5 - 10" STAINLESS STEEL STORM PIPE
& 2" COPPER DOMESTIC WATER LINE
NORTH COLUMN - LOOKING UPSTATION
SCALE: 1/4" = 1'-0"



PIER 9 - 8" STAINLESS STEEL PIPE
LOOKING UPSTATION
SCALE: 1/4" = 1'-0"

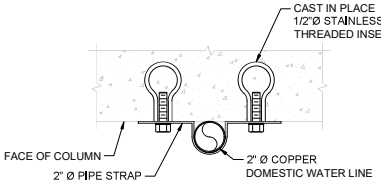


SECTION A
SCALE: 3" = 1'-0"

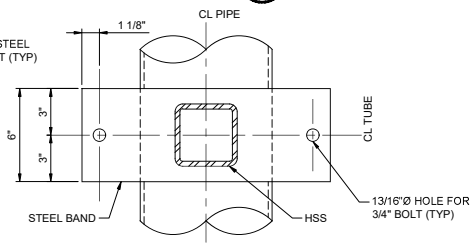


SECTION B
SCALE: 3" = 1'-0"

LIMITED TO AS-BUILT INFORMATION ONLY:



SECTION C
SCALE: 3" = 1'-0"



SECTION D
SCALE: 3" = 1'-0"

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
1	01/22/21	SJD	KF	SJD	NDC-000052 - FDC-098 PIPE MATERIAL CHANGE
0	11/04/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: D. HENDERSON
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

AARON J. DESPRADEL — STATE OF WASHINGTON — 21607 — REGISTERED PROFESSIONAL ENGINEER
1/22/21 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN — DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA — DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond
SCALE: AS NOTED
FILENAME: 151-B27-UCD200
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

COLUMN DOWNSPOUT DETAILS

DRAWING No.: B27-UCD200
FACILITY ID: B27
SHEET No.: 151
REV.: 1

RECORD DRAWING #23-2295

01/14/21 | 10:21 PM | ALYSSA.SOLIZ
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REDMOND TECHNOLOGY STATION
PEDESTRIAN BRIDGE

CityofRedmond
WASHINGTON

SUBSTRUCTURE PACKAGE
ISSUED FOR CONSTRUCTION
08/23/19
AS-BUILT
11/07/23

GENERAL NOTE:

FOR CONVERSION OF POINTS/COORDINATES IN THIS DRAWING PACKAGE USING THE EAST LINK PROJECT DATUM TO THE CITY OF REDMOND GIS DATUM, PLEASE FOLLOW THESE INSTRUCTIONS:

HORIZONTAL DATUM:
- TO CONVERT FROM THE EAST LINK (ST) DATUM TO CITY OF REDMOND DATUM, FIRST SUBTRACT 328,083.333333 FROM BOTH THE NORTHING AND EASTING, THEN MULTIPLY THESE COORDINATES AND LENGTHS BY THE COMBINED SCALE FACTOR OF 0.999976415.

VERTICAL DATUM:
- ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AS DERIVED FROM BENCHMARKS FROM THE CITY OF REDMOND.

PREPARED BY:

Kiewit

APPROVED FOR CONSTRUCTION

Gary Schimek

Gary Schimek, PE
Acting City Engineer, City of Redmond

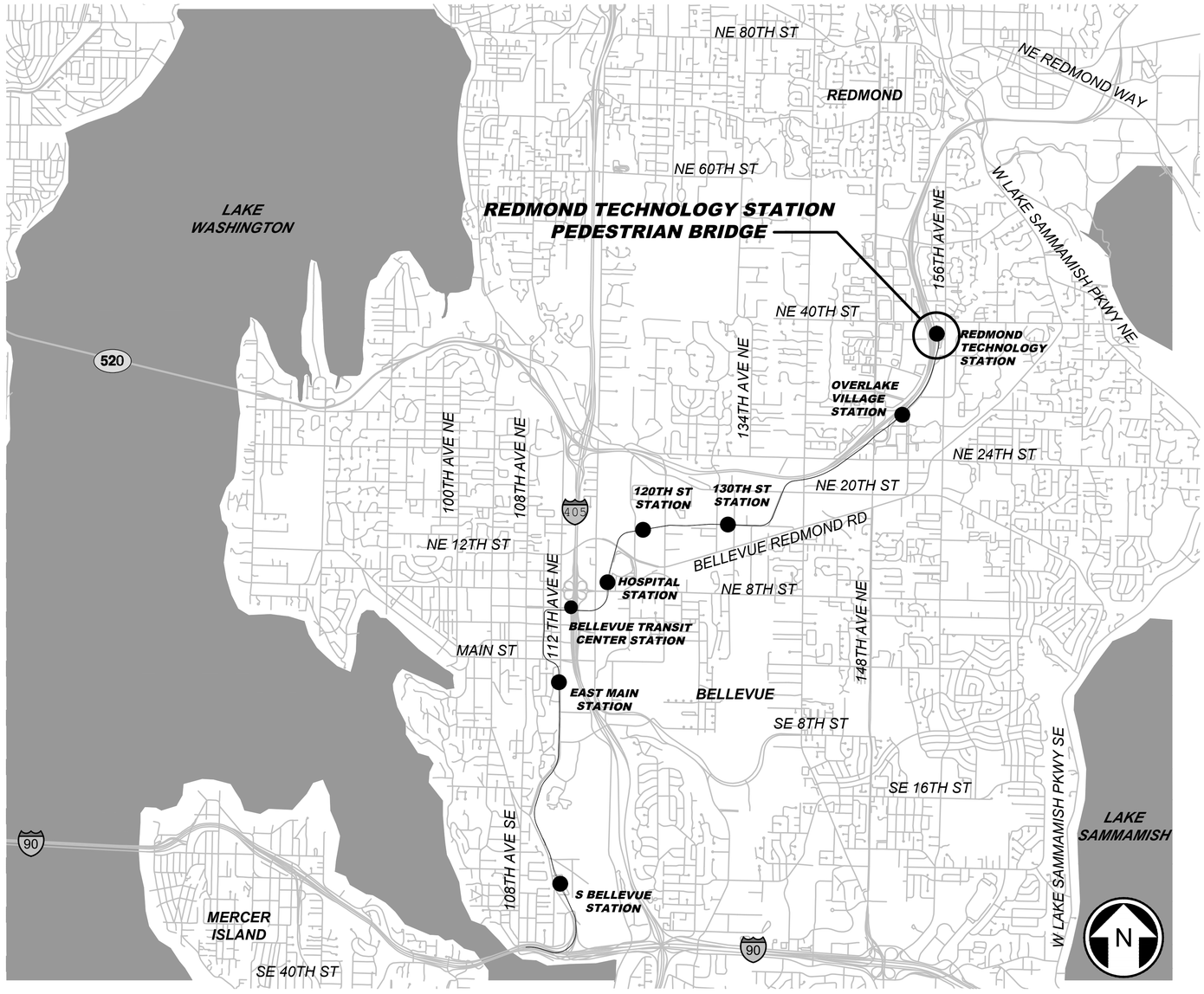
9/3/19

Date

DESIGN PACKAGE DP021

BOOK 1 OF 1

RECORD DRAWING #23-2086



CONTRACT LOCATION MAP

REDMOND TECHNOLOGY STATION
PEDESTRIAN BRIDGE

SUBSTRUCTURE PACKAGE
ISSUED FOR CONSTRUCTION
08/23/19

CityofRedmond
WASHINGTON

PREPARED BY:
KIEWIT INFRASTRUCTURE WEST CO.

SUBMITTED BY:_____ DATE:_____
NAME: GEOFF OWEN
TITLE: PROJECT MANAGER

REVIEWED BY:_____ DATE:_____
NAME: TRAVIS KRAUPA, P.E.
TITLE: ENGINEERING LEAD

DRAWING No.:	
B27-SZT101	
LOCATION ID:	
B27	
SHEET No.:	REV:
1a	0

RECORD DRAWING #23-2087

08/28/19 | 3:49 PM | DIETRICH.HENDERSON
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1	B27-SZT100	0	COVER SHEET	DP022
1a	B27-SZT101	0	LOCATION MAP	DP022
2	B27-SZI100	16	INDEX OF DRAWINGS	DP022
3	B27-SZN100	3	GENERAL NOTES -- SHEET 1 OF 2	DP021
4	B27-SZN101	0	GENERAL NOTES -- SHEET 2 OF 2	DP021
5	B27-LTP100	0	LANDSCAPE LOAD MAP	DP021
6	B27-SZK100	1	PLAN AND ELEVATION -- SHEET 1 OF 2	DP021
7	B27-SZK101	1	PLAN AND ELEVATION -- SHEET 2 OF 2	DP021
8	B27-SZK200	1	DECK CONTOURS -- SHEET 1 OF 2	DP022
9	B27-SZK201	0	DECK CONTOURS -- SHEET 2 OF 2	DP022
10	B27-SYX100	3	UNIT 1 - TYPICAL SECTIONS -- SHEET 1 OF 4	DP021
11	B27-SYX101	4	UNIT 2 - TYPICAL SECTIONS -- SHEET 2 OF 4	DP021
12	B27-SYX102	3	UNIT 3 - TYPICAL SECTIONS -- SHEET 3 OF 4	DP021
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14	B27-SFP100	0	FOUNDATION PLAN	DP021
15	B27-SVD100	0	DRILLED SHAFT DETAILS -- SHEET 1 OF 4	DP021
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17	B27-SVD102	0	DRILLED SHAFT DETAILS -- SHEET 3 OF 4	DP021
18	B27-SVD103	0	DRILLED SHAFT DETAILS -- SHEET 4 OF 4	DP021
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21	B27-SHD102	1	COLUMN DETAILS -- SHEET 3 OF 4	DP021
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23	B27-SBP100	5	PIER 1 PLAN AND ELEVATION	DP021
24	B27-SBX100	0	PIER 1 SECTIONS AND DETAILS	DP021
25	B27-SBP101	2	PIER 2 PLAN AND ELEVATION	DP021
26	B27-SBX101	3	PIER 2 SECTIONS AND DETAILS	DP021
27	B27-SBP102	2	PIER 3 PLAN AND ELEVATION	DP021
28	B27-SBX102	2	PIER 3 SECTIONS AND DETAILS	DP021
29	B27-SBP103	2	PIER 4 PLAN AND ELEVATION	DP021
30	B27-SBX103	2	PIER 4 SECTIONS AND DETAILS	DP021
31	B27-SBP104	3	PIER 5 PLAN AND ELEVATION	DP021
32	B27-SBX104	2	PIER 5 SECTIONS AND DETAILS	DP021
33	B27-SBP105	3	PIER 6 PLAN AND ELEVATION	DP021
34	B27-SBX105	3	PIER 6 SECTIONS AND DETAILS	DP021
35	B27-SBP106	3	PIER 7 PLAN AND ELEVATION	DP021
36	B27-SBX106	3	PIER 7 SECTIONS AND DETAILS	DP021
37	B27-SBP107	4	PIER 8 PLAN AND ELEVATION	DP021
38	B27-SBX107	4	PIER 8 SECTIONS AND DETAILS	DP021
39	B27-SBP108	4	PIER 9 PLAN AND ELEVATION	DP021
40	B27-SBX108	3	PIER 9 SECTIONS AND DETAILS	DP021
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42	B27-SGP101	2	UNIT 2 - FRAMING PLAN -- GIRDER SEGMENT A	DP022
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44	B27-SGP103	2	UNIT 2 - FRAMING PLAN -- GIRDER SEGMENT C	DP022
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46	B27-SGP105	2	UNIT 2 - FRAMING PLAN -- GIRDER SEGMENT E	DP022
47	B27-SGP106	0	UNIT 3 - FRAMING PLAN -- SPAN 5	DP022
48	B27-SGP107	0	UNIT 3 - FRAMING PLAN -- SPAN 6	DP022
49	B27-SGP108	0	UNIT 3 - FRAMING PLAN -- SPAN 7	DP022
50	B27-SGP109	0	UNIT 3 - FRAMING PLAN -- SPAN 8	DP022
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52	B27-SGD101	1	UNIT 1 - UF60G6 GIRDER DETAILS -- SHEET 2 OF 3	DP022
53	B27-SGD102	0	UNIT 1 - UF60G6 GIRDER DETAILS -- SHEET 3 OF 3	DP022
53a	B27-SGD102a	1	UNIT 1 & UNIT 3 TUB GIRDER END REGION DETAILS	DP022
54	B27-SGD103	2	UNIT 1 - UF60G6 GIRDER SCHEDULE & NOTES	DP022
54a	B27-SGD103a	0	UNIT 1 - UF60G6 GIRDER CAMBER DATA	DP022
55	B27-SGV200	1	UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER PT LAYOUT -- SHT 1 OF 2	DP022
56	B27-SGV201	1	UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER PT LAYOUT -- SHT 2 OF 2	DP022
57	B27-SGV202	2	UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER PT DETAILS -- SHT 1 OF 4	DP022
58	B27-SGV203	1	UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER PT DETAILS -- SHT 2 OF 4	DP022
59	B27-SGV204	3	UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER PT DETAILS -- SHT 3 OF 4	DP022
59a	B27-SGV204a	1	UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER PT DETAILS -- SHT 4 OF 4	DP022
60	B27-SGV205	1	UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER SCHEDULE & NOTES	DP022
60a	B27-SGV206	0	UNIT 2 - MODIFIED WF100PTG SPLICED GIRDER CAMBER DATA	DP022
61	B27-SGD200	2	UNIT 2 - MODIFIED WF100PTG GIRDER DETAILS -- SHEET 1 OF 4	DP022
62	B27-SGD201	1	UNIT 2 - MODIFIED WF100PTG GIRDER DETAILS -- SHEET 2 OF 4	DP022
63	B27-SGD202	1	UNIT 2 - MODIFIED WF100PTG GIRDER DETAILS -- SHEET 3 OF 4	DP022
63a	B27-SGD203	2	UNIT 2 - MODIFIED WF100PTG GIRDER DETAILS -- SHEET 4 OF 4	DP022
63b	B27-SGD204	1	GIRDER END REGION DETAILS	DP022
64	B27-SGD300	2	UNIT 3 - UF54G6 GIRDER DETAILS -- SHEET 1 OF 3	DP022
65	B27-SGD301	2	UNIT 3 - UF54G6 GIRDER DETAILS -- SHEET 2 OF 3	DP022
66	B27-SGD302	1	UNIT 3 - UF54G6 GIRDER DETAILS -- SHEET 3 OF 3	DP022
67	B27-SGD303	2	UNIT 3 - UF54G6 GIRDER SCHEDULE & NOTES	DP022
67a	B27-SGD304	0	UNIT 3 - UF54G6 GIRDER CAMBER DATA	DP022
68	B27-SPD100	4	UNIT 1 - PIER 1 END DIAPHRAGM DETAILS	DP022
69	B27-SPD101	6	UNIT 1 - PIER 2 END DIAPHRAGM DETAILS -- SHEET 1 OF 2	DP022
69a	B27-SPD101a	6	UNIT 1 - PIER 2 END DIAPHRAGM DETAILS -- SHEET 2 OF 2	DP022
70	B27-SPD102	4	UNIT 2 - PIER 2 END DIAPHRAGM DETAILS -- SHEET 1 OF 5	DP022
70a	B27-SPD102a	5	UNIT 2 - PIER 2 END DIAPHRAGM DETAILS -- SHEET 2 OF 5	DP022
70b	B27-SPD102b	3	UNIT 2 - PIER 2 END DIAPHRAGM DETAILS -- SHEET 3 OF 5	DP022
70c	B27-SPD102c	2	UNIT 2 - PIER 2 END DIAPHRAGM DETAILS -- SHEET 4 OF 5	DP022
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74	B27-SPP101	4	UNIT 2 - PIER 4 DIAPHRAGM -- PLAN AND ELEVATION	DP021
75	B27-SPX101	5	UNIT 2 - PIER 4 DIAPHRAGM -- SECTIONS AND DETAILS	DP021
76	B27-SPD104	5	UNIT 2 - PIER 5 END DIAPHRAGM DETAILS -- SHEET 1 OF 3	DP022
77	B27-SPD105	5	UNIT 2 - PIER 5 END DIAPHRAGM DETAILS -- SHEET 2 OF 3	DP022
77a	B27-SPD105	1	UNIT 2 - PIER 5 END DIAPHRAGM DETAILS -- SHEET 3 OF 3	DP022
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79	B27-SPP102	4	UNIT 3 - PIER 6 DIAPHRAGM -- PLAN AND ELEVATION	DP021
80	B27-SPX102	5	UNIT 3 - PIER 6 DIAPHRAGM -- SECTIONS AND DETAILS	DP021
80a	B27-SPX102a	0	UNIT 3 - PIER 6 DIAPHRAGM -- SECTIONS AND DETAILS	DP021
81	B27-SPP103	4	UNIT 3 - PIER 7 DIAPHRAGM -- PLAN AND ELEVATION	DP021
82	B27-SPX103	5	UNIT 3 - PIER 7 DIAPHRAGM -- SECTIONS AND DETAILS	DP021
82a	B27-SPX103a	0	UNIT 3 - PIER 7 DIAPHRAGM -- SECTIONS AND DETAILS	DP021
83	B27-SPP104	4	UNIT 3 - PIER 8 DIAPHRAGM -- PLAN AND ELEVATION	DP021
84	B27-SPX104	4	UNIT 3 - PIER 8 DIAPHRAGM -- SECTIONS AND DETAILS	DP021
85	B27-SPD107	4	UNIT 3 - PIER 9 END DIAPHRAGM DETAILS	DP022
86	B27-SGD104	0	UNIT 1 - GIRDER G4 / DIAPHRAGM DETAILS -- SHEET 1 OF 3	DP022
87	B27-SGD105	1	UNIT 1 - GIRDER G4 / DIAPHRAGM DETAILS -- SHEET 2 OF 3	DP022
87a	B27-SGD105a	0	UNIT 1 - GIRDER G4 / DIAPHRAGM DETAILS -- SHEET 3 OF 3	DP022
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89	B27-SGD902	3	UNIT 2 - INTERMEDIATE DIAPHRAGM -- SPAN 2	DP022
89a	B27-SGD902a	3	UNIT 2 - INTERMEDIATE DIAPHRAGM -- SPAN 4	DP022
90	B27-SGD900	4	UNIT 2 - SPLICED GIRDER WET JOINT DETAILS -- SHEET 1 OF 2	DP022
91	B27-SGD900a	4	UNIT 2 - SPLICED GIRDER WET JOINT DETAILS -- SHEET 2 OF 2	DP022
92	B27-SNP100	1	UNIT 1 - SIP DECK PANEL LAYOUT -- SPAN 1	DP022
93	B27-SNP101	3	UNIT 2 - SIP DECK PANEL LAYOUT -- SPAN 2	DP022
94	B27-SNP102	3	UNIT 2 - SIP DECK PANEL LAYOUT -- SPAN 3	DP022
95	B27-SNP103	3	UNIT 2 - SIP DECK PANEL LAYOUT -- SPAN 4	DP022
96	B27-SNP104	3	UNIT 3 - SIP DECK PANEL LAYOUT -- SPAN 5	DP022
97	B27-SNP105	2	UNIT 3 - SIP DECK PANEL LAYOUT -- SPAN 6	DP022
98	B27-SNP106	1	UNIT 3 - SIP DECK PANEL LAYOUT -- SPAN 7	DP022
99	B27-SNP107	1	UNIT 3 - SIP DECK PANEL LAYOUT -- SPAN 8	DP022
100	B27-SND100	2	DECK SIP PRECAST PANEL DETAILS -- SHEET 1 OF 8	DP022
101	B27-SND101	3	DECK SIP PRECAST PANEL DETAILS -- SHEET 2 OF 8	DP022
102	B27-SND102	3	DECK SIP PRECAST PANEL DETAILS -- SHEET 3 OF 8	DP022
102a	B27-SND102a	1	DECK SIP PRECAST PANEL DETAILS -- SHEET 4 OF 8	DP022
102b	B27-SND102b	0	DECK SIP PRECAST PANEL DETAILS -- SHEET 5 OF 8	DP022
102c	B27-SND102c	0	DECK SIP PRECAST PANEL DETAILS -- SHEET 6 OF 8	DP022
102d	B27-SND102d	0	DECK SIP PRECAST PANEL DETAILS -- SHEET 7 OF 8	DP022
102e	B27-SND102e	1	DECK SIP PRECAST PANEL DETAILS -- SHEET 8 OF 8	DP022
103	B27-SRP100	1	UNIT 1 - DECK SLAB PLAN -- SPAN 1 TOP	DP022
104	B27-SRP101	1	UNIT 1 - DECK SLAB PLAN -- SPAN 1 BOTTOM	DP022
105	B27-SRP102	3	UNIT 2 - DECK SLAB PLAN -- SPAN 2	DP022
106	B27-SRP103	2	UNIT 2 - DECK SLAB PLAN -- SPAN 3	DP022
107	B27-SRP104	3	UNITS 2/3 - DECK SLAB PLAN -- SPAN 4	DP022
108	B27-SRP105	1	UNIT 3 - DECK SLAB PLAN -- SPANS 5 - 6	DP022
109	B27-SRP106	1	UNIT 3 - DECK SLAB PLAN -- SPANS 7 - 8	DP022
110	B27-SRX100	1	UNIT 1 - DECK SLAB REINFORCEMENT -- SHEET 1 OF 4	DP022
111	B27-SRX101	1	UNIT 2 - DECK SLAB REINFORCEMENT -- SHEET 2 OF 4	DP022
112	B27-SRX102	1	UNIT 3 - DECK SLAB REINFORCEMENT -- SHEET 3 OF 4	DP022
113	B27-SRX103	1	UNIT 3 - DECK SLAB REINFORCEMENT -- SHEET 4 OF 4	DP022
113a	B27-SRX104	1	DECK SLAB REINFORCEMENT DETAILS	DP022
113b	B27-SRX105	0	CIP DECK PENETRATION & HANGER INSERT LOCATIONS	DP022
114	B27-SSP100	1	SLAB POUR SEQUENCE	DP022
115	B27-LHP100	0	LANDSCAPE PLAN -- SHEET 1 OF 5	DP022
116	B27-LHP101	0	LANDSCAPE PLAN -- SHEET 2 OF 5	DP022
117	B27-LHP102	0	LANDSCAPE PLAN -- SHEET 3 OF 5	DP022
118	B27-LHP103	0	LANDSCAPE PLAN -- SHEET 4 OF 5	DP022
119	B27-LHP104	0	LANDSCAPE PLAN -- SHEET 5 OF 5	DP022
120	B27-LHP105	1	LANDSCAPE CONTROL POINT LOCATIONS -- SHEET 1 OF 4	DP022
121	B27-LHP106	0	LANDSCAPE CONTROL POINT LOCATIONS -- SHEET 2 OF 4	DP022
122	B27-LHP107	0	LANDSCAPE CONTROL POINT LOCATIONS -- SHEET 3 OF 4	DP022
123	B27-LHP108	0	LANDSCAPE CONTROL POINT LOCATIONS -- SHEET 4 OF 4	DP022
124	B27-LHD200	1	LANDSCAPE SECTIONS AND DETAILS -- SHEET 1 OF 3	DP022
125	B27-LHD201	1	LANDSCAPE SECTIONS AND DETAILS -- SHEET 2 OF 3	DP022
126	B27-LHD202	0	LANDSCAPE SECTIONS AND DETAILS -- SHEET 3 OF 3	DP022
127	B27-LHD300	1	LANDSCAPE DRAINAGE DETAILS -- SHEET 1 OF 2	DP022
128	B27-LHD301	0	LANDSCAPE DRAINAGE DETAILS -- SHEET 2 OF 2	DP022
129	B27-SYD100	1	BARRIER DETAILS -- SHEET 1 OF 3	DP022
130	B27-SYD101	1	BARRIER DETAILS -- SHEET 2 OF 3	DP022
131	B27-SYD102	1	BARRIER DETAILS -- SHEET 3 OF 3	DP022
132	B27-SYD200	1	CANOPY PEDESTAL DETAILS -- SHEET 1 OF 3	DP022
133	B27-SYD201	1	CANOPY PEDESTAL DETAILS -- SHEET 2 OF 3	DP022
134	B27-SYD202	1	CANOPY PEDESTAL DETAILS -- SHEET 3 OF 3	DP022
135	B27-SBD100	1	ELASTOMERIC BEARING DETAILS -- SHEET 1 OF 3	DP022
136	B27-SBD101	2	ELASTOMERIC BEARING DETAILS -- SHEET 2 OF 3	DP022
137	B27-SBD102	2	ELASTOMERIC BEARING DETAILS -- SHEET 3 OF 3	DP022
138	B27-SBD200	1	DISC BEARING DETAILS -- SHEET 1 OF 3	DP022
139	B27-SBD201	1	DISC BEARING DETAILS -- SHEET 2 OF 3	DP022
140	B27-SBD202	1	DISC BEARING DETAILS -- SHEET 3 OF 3	DP022
141	B27-SJD100	1	EXPANSION JOINT DETAILS	DP022
142	B27-UCP100	2	UTILITY PLAN -- SHEET 1 OF 3	DP022
143	B27-UCP101	2	UTILITY PLAN -- SHEET 2 OF 3	DP022
144	B27-UCP102	2	UTILITY PLAN -- SHEET 3 OF 3	DP022
145	B27-UCD100	0	UTILITY DETAILS -- SHEET 1 OF 3	DP022
146	B27-UCD101	0	UTILITY DETAILS -- SHEET 2 OF 3	DP022
146a	B27-UCD102	1	UTILITY DETAILS -- SHEET 3 OF 3	DP022
147	B27-SSE100	1	CONSTRUCTION SEQUENCE -- SHEET 1 OF 3	DP021
148	B27-SSE101	1	CONSTRUCTION SEQUENCE -- SHEET 2 OF 3	DP021
149	B27-SSE102	2	CONSTRUCTION SEQUENCE -- SHEET 3 OF 3	DP021
150	B27-LHP900	0	LANDSCAPE LOADING SEQUENCE	DP021
151	B27-UCD200	0	COLUMN DOWNSPOUT DETAILS	DP022

DESIGN PACKAGE DP022

No.	DATE	DSN	CHK	APP	REVISION
16	10/28/20	SJD	KF	SJD	NDC-000042 REVISIONS
15	09/28/20	SJD	KF	SJD	NDC-000027 & NDC-000041 REVISIONS
14	09/10/20	SJD	KF	SJD	NDC-000038 - FO & PSE DIAPHRAGM SLEEVES
13	08/21/20	SJD	KF	SJD	NDC-000030 & NDC-000035 REVISIONS
12	07/27/20	SJD	KF	SJD	NDC-000025 REVISIONS
11	07/10/20	SJD	KF	SJD	NDC-000024 (VOID - REPLACED BY NDC-000038)
10	07/07/20	SJD	KF	SJD	NDC-000022, NDC-000023, NDC-000028, & NDC-000029

DESIGNED BY: S. DESPRADEL
DRAWN BY: D. HENDERSON
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

SHUKRE J. DESPRADEL — STATE OF WASHINGTON — 24078 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
10/28/20 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. — ENGLEWOOD, CO
SUBMITTED BY: G. OWEN

Kiewit — SINCE I... 1884
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

City of Redmond — WASHINGTON
SCALE: NTS
FILENAME: 002-B27-SZI100
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

INDEX OF DRAWINGS

DRAWING No.: **B27-SZI100**
FACILITY ID: B27
SHEET No.: 2
REV.: 16

RECORD DRAWING #23-2088

XREF LIST:
xE360-GB-TB22x34.dwg

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XREF LIST:
xE360-GB-TB22x34.dwg

GENERAL:

A. ELEVATIONS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
B. SOUTH PEDESTRIAN BARRIER AT SPAN 1 IS AN INVERTED GIRDER (G4) AND SHALL NOT BE REMOVED WITHOUT TEMPORARY SHORING.
C. ALL CANOPY PEDESTALS HAVE BEEN DESIGNED TO BE INTEGRAL WITH THE BRIDGE PEDESTRIAN BARRIER. NO PORTION OF THE BRIDGE BARRIER SHALL BE REMOVED WITHOUT ENGINEER'S APPROVAL.

DESIGN SPECIFICATIONS:

A. WSDOT BRIDGE DESIGN MANUAL (M23-50.17), JUNE 2017.
B. AASHTO GUIDE SPECIFICATIONS FOR LRFD SEISMIC BRIDGE DESIGN, 2ND EDITION, 2011 W/ 2014 INTERIMS.
C. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, US UNITS, 8TH EDITION, 2017.
D. LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 2009.

BRIDGE DESIGN LOADS:

A. PERMANENT LOAD (DC):
PERMANENT LOADINGS SHALL BE PER AASHTO LRFD AS SUPPLEMENTED BY WSDOT BDM SECTION 3.8

CAST-IN-PLACE REINFORCED CONCRETE	160PCF
CAST-IN-PLACE PT CONCRETE	165PCF
PRECAST CONCRETE GIRDERS	165PCF
STRUCTURAL STEEL	490PCF
UNIT HANDRAIL + BRIDGE BARRIER	725PLF / SIDE
CANOPY	SEE CANOPY REACTION LOADS

B. DEAD LOAD (DW):

LANDSCAPING (SOIL, TREES, WATERPROOFING)	SEE LOAD MAP
PEDESTRIAN AREA PAVERS SHALL ALSO BE CONSIDERED ON FUTURE CONDITIONS (SEE PEDESTRIAN LOAD)	SEE LOAD MAP
FUTURE WEARING SURFACE (FWS)	N/A
UTILITIES	SEE TABLE BELOW

TOTAL UTILITY WT PER BRIDGE WIDTH

ITEM	QTY	SIZE (in)	DESCRIPTION	LOCATION	IND. WT (plf)	TOTAL WT (plf)
1	24	2	POWER / LIGHTING / CCTV	UNITS 1, 2 (WEST OF P5): ABOVE DECK, 12 ON EACH SIDE OF THE DECK	10	240
2	14	2	POWER / LIGHTING / CCTV	UNIT 3 (EAST OF P5): ABOVE DECK, 7 ON EACH SIDE OF THE DECK	10	140
3	12	4	FIBER OPTIC	UNDER DECK	16	192
4	4	6	PSE	UNDER DECK	46	184
5	4	2	IRRIGATION / DRAINAGE	ABOVE DECK	5	20

C. LIVE LOAD (LL):

H10 MAINTENANCE VEHICLE. A 12' WIDE LANE WIDTH OF THE BRIDGE WILL NEED TO BE CLOSED TO PEDESTRIAN ACCESS BETWEEN PIERS AND FOR ALL SPANS WHERE THE MAINTENANCE VEHICLE IS OPERATING.
NO DYNAMIC AMPLIFICATION FACTOR WILL BE CONSIDERED FOR THIS LOADING (AASHTO PEDESTRIAN, SECTION 3.2).

D. PEDESTRIAN LOAD (PL): 90 PSF, NO DYNAMIC AMPLIFICATION FACTOR IS REQUIRED.

PEDESTRIAN LOAD WILL BE APPLIED AS FOLLOWS:
1. ONLY AT THE WALKWAY WHEN LANDSCAPE IS PRESENT
2. A FUTURE CONDITION WHERE:
   a. PEDESTRIAN LOAD IS APPLIED TO THE ENTIRE DECK (IN BETWEEN EXTERIOR CONCRETE WALLS), AND
   b. ALL LANDSCAPE AND INTERIOR WALLS HAVE BEEN REMOVED.

E. VEHICLE COLLISION LOAD (CT): COLUMNS SHALL BE DESIGNED TO 600K LOAD APPLIED 5FT ABOVE GRADE AT A 15 DEGREE ANGLE TO THE LINE OF TRAFFIC.

F. WIND LOAD FOR BRIDGE DESIGN (WS):

1. AASHTO LRFD FOR CONCRETE BRIDGE DESIGN.
   I. 3-SEC GUST WIND SPEED: STRENGTH III, 110MPH; STRENGTH II, 80MPH; SERVICE I, 70MPH
   II. GROUND SURFACE ROUGHNESS C
   III. WIND EXPOSURE C

G. UNIFORM TEMPERATURE (TU, BDM 3.16.6):

1. CONSTRUCTION TEMPERATURE: 64F
2. TEMPERATURE RANGE FOR CONCRETE BRIDGES: 0F TO 100F

H. EARTHQUAKE LOADS (EQ): SINGLE-HAZARD LEVEL PERFORMANCE CRITERIA PER AASHTO LRFD SEISMIC SECTION 3.4.1.
1. 7% PROBABILITY OF EXCEEDENCE IN 75 YEARS (APPROXIMATE RETURN PERIOD OF 1,000 YEARS).
2. 5% CRITICAL DAMPING.
3. PEAK GROUND ACCELERATION OF 0.41G.
4. SHORT-PERIOD SPECTRAL RESPONSE ACCELERATION S_S=0.91G (AT 0.2SEC), S_{DS}=1.09.
5. LONG-PERIOD SPECTRAL RESPONSE ACCELERATION S_1=0.30G (1-SEC), S_{D1}=0.45.
6. AASHTO SEISMIC SITE CLASS C (VERY DENSE ROCK, AVERAGE SHEAR WAVE VELOCITY BETWEEN 1,200FT/SEC AND 2,500FT/SEC ACCORDING TO AASHTO SEISMIC TABLE 3.4.2.1-1).

I. LANDSCAPING LOAD (DW):

1. SATURATED SOIL SPECIFIC WEIGHT NOT TO EXCEED: 93PCF
2. FOR LANDSCAPE LOADING SEE MAP DWGS.

CANOPY REACTION LOADS:

A. LOAD COMBINATIONS ACCORDING TO AASHTO LRFD CODE (AS MODIFIED PER TABLE ON THE NEXT PAGE).

B. CANOPY REACTIONS, AS PROVIDED BY FTL, CONSIDER DEAD LOAD, PRESTRESS WIND AND SNOW LOADS.

PIER 9 REACTIONS FROM EAST BRIDGE (PROVIDED BY KPFF):

THE LOADS AND DESIGN DISPLACEMENTS AT PIER 9 AS FOLLOWS:

LOAD TYPE	PIER 9 LOAD (KIPS)
SELF-WEIGHT OF STRUCTURE	550
CANOPY/RAILING/LIGHTS	50
TOPPING SLAB/PAVERS	250
LANDSCAPE/SOIL	250
UTILITIES	30
VEHICLE LIVE	20
PEDESTRIAN LIVE	160
SNOW	50

NOTE: LOADS PROVIDED ABOVE ARE ALLOWABLE LOADS (UNFACTORED) AND WILL BE DISTRIBUTED ALONG THE SUPPORT AT PIER 9.

MATERIALS:

A. CONCRETE:

CONCRETE TABLE

CLASS	USE
4,000	FOOTINGS, COLUMNS, DIAPHRAGMS, ARCH SLAB (FDC-000196)
10,000	PRECAST GIRDERS
6,000	PRECAST PANELS
4,000D	BRIDGE DECK
4,000SW	~~HARDSCAPE (ARCH. SLAB, CURBS, END WALLS)~~ (FDC-000202)
5,000P	SHAFT
6,000	SPLICED GIRDER WET JOINT (UNIT 2), PIER CAPS FOR P1 THROUGH P9, END DIAPHRAGMS FOR P2 AND P5 (UNIT 2)
4,000P	BRIDGE BARRIER

PIER 1 WINGWALL, PIER 2 AND PIER 5 SHEAR KEYS TO BE 4000 PSI MIN CONCRETE. (DRFI-00290)

CANOPY PEDESTALS, GFRC TIER 2 AND 3 PEDESTALS, GFRC TIER 1 CURB, MEDIAN CURBS, AND END WALLS AND RAIN GARDEN INTERIOR CURBS (FDC-202, FDC-169, SUB-289, FDC-000291)

B. PRE-STRESSING STRAND:
1. ASTM A416 (AASHTO M203), UNCOATED, LOW-RELAXATION GRADE 270.
2. E_p=28,500KSI.

C. HIGH-STRENGTH PT BARS:

1. ASTM A722 GRADE 150KSI.
2. E_p=30,000KSI.

D. REINFORCEMENT (BDM 5.1.2):

1. ASTM 706 GRADE 80 REINFORCEMENT FOR DRILLED SHAFT LONGITUDINAL REINFORCEMENT.
2. ASTM A706 GRADE 60 REINFORCEMENT FOR ALL OTHER BRIDGE COMPONENTS.
3. EPOXY-COATED REINFORCEMENT SHALL BE COATED ACCORDING TO STD. SPECIFICATIONS 9-07.3.
4. WELDED WIRE REINFORCEMENT (BDM 5.1.2.I):
   a. GRADE 60 WELDED WIRE REINFORCEMENT CONFORMING TO AASHTO M221 (STANDARD SPECIFICATIONS 9-07.7).
   b. EPOXY-COATED WELDED WIRE REINFORCEMENT SHALL CONFORM TO STANDARD SPECIFICATIONS 9-07.3 WITH THE EXCEPTION THAT ASTM A884 CLASS A TYPE I SHALL BE USED INSTEAD OF ASTM A775.
   c. FURNISH IN SHEETS ONLY.
5. STANDARD HOOKS CAN BE CONSIDERED TO BE REPLACED BY HRC T-HEADS AT CONGESTED AREAS UNDER THE FOLLOWING CONDITIONS:
   5.1 REBAR POSITION SHALL NOT BE CHANGED
   5.2 CONCRETE COVER SHALL NOT BE VIOLATED
   5.3 FINAL APPROVAL UPON SHOP DRAWING REVIEW

E. ANCHOR RODS:

1. ANCHOR RODS SHALL CONFORM TO ASTM F1554 GRADE 55 AND SHALL BE HOT-DIPPED GALVANIZED ACCORDING TO ASTM 123.

F. STRUCTURAL STEEL (NOT APPLICABLE TO CANOPY WORKS):

1. MODULUS OF ELASTICITY: 29,000KSI.
2. COEFFICIENT OF THERMAL EXPANSION: 6.5x10^{-6} IN/IN/F.
3. W SHAPES SHALL BE ACCORDING TO ASTM A992 GRADE 50.
4. PLATES SHALL BE ACCORDING TO ASTM A709 GRADE 50.
5. STRUCTURAL TUBING SHALL BE ASTM A500 GRADE B (46KSI) OR C (50KSI).
6. CHANNELS AND ANGLES: ASTM A36.
7. PINS SHALL BE ASTM A668 CLASS F WITH A MINIMUM YIELD POINT OF 50KSI.
8. BOLTS SHALL BE ASTM A325.
9. ELECTRODES SHALL BE E70XX CONFORMING TO AWS D1.1.

PRE-STRESSED CONCRETE:

DESIGN PARAMETERS:

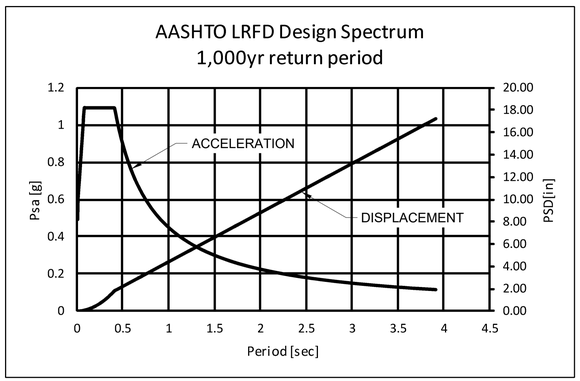
1. 0.60" DIA STRANDS LOW RELAXATION FOR GIRDERS; 1/2" DIA FOR PRECAST PANELS.
2. FRICTION COEFFICIENT: 0.15.
3. WOBBLE FRICTION COEFFICIENT: 0.0002RAD/FT.
4. ANCHOR SET: 3/8".
5. TENDON LOCATION INSIDE DUCT Z-FACTOR ACCORDING TO AASHTO LRFD SECTION 5.9.1.6.
6. CONCRETE CREEP AND SHRINKAGE AS WELL AS TENDON RELAXATION SHALL BE ACCORDING TO THE CEB-FIP 1990 CODE (AASHTO LRFD SECTION 5.4.2.3).
7. STRESS LIMITS FOR CONCRETE SHALL BE ACCORDING TO BDM TABLE 5.2.1-1.

CONCRETE COVER:

STEEL REINFORCING BAR CONCRETE COVER SHALL BE AS SHOWN BELOW (UNLESS OTHERWISE NOTED):

ITEM	CLEAR COVER (IN)
TOP OF DECK	2.50
APPROACH SLAB TOP DECK	2.50
APPROACH SLAB BOTTOM DECK	2.00
CAST AGAINST EARTH	3.00
BOTTOM OF CIP DECK	1.00
PRECAST GIRDERS AND SIP PANELS	SEE WSDOT STD DWGS
PIER CAPS	2.00
DIAPHRAGMS	2.00
CURTAIN WALLS	2.00
COLUMNS	2.00
SHEAR KEYS	2.00
BARRIER RAIL	2.00
5' DIA OR LARGER DRILLED SHAFTS	6.00
5' DIA OR LARGER DRILLED SHAFTS SLIP CASING	3.00

CONCRETE TYPICAL CHAMFER: 3/4" (UNLESS OTHERWISE NOTED).



LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
3	09/28/20	SJD	KF	SJD	NDC-000027 - PIER 9 REACTIONS FROM KPFF
2	05/13/20	SJD	KF	SJD	NDC-0000017 - SPECIAL PROVISIONS UPDATE
1	10/11/19	SJD	KF	SJD	NDC-000002 - NOTES & FRICTION LOSSES & T-HEADS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

SHUKRE J. DESPRADEL — STATE OF WASHINGTON — 20360 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
9/28/20 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 11/04/19
Kiewit SINCE 1884
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
LINE IS 1" AT FULL SCALE
CityofRedmond WASHINGTON
SCALE: NTS
FILENAME: 003-B27-SZN100
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

GENERAL NOTES
SHEET 1 OF 2

DRAWING No.: B27-SZN100
FACILITY ID: B27
SHEET No.: 3
REV: 3

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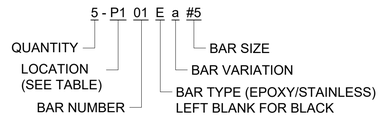
RECORD DRAWING #23-2089

XREF LIST:
xE360-GB-TB22x34.dwg

ABBREVIATIONS:

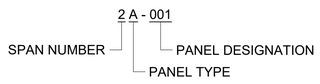
BL:	BASELINE
BRG:	BEARING
CIP:	CAST-IN-PLACE
C-C:	CENTER-TO-CENTER
CJ:	CONSTRUCT JOINT
CL:	CENTER LINE
CLR:	CLEAR
COL:	COLUMN
CONST:	CONSTRUCTION
DC:	DEAD LOAD (COMPONENT)
DW:	DEAD LOAD (LANDSCAPE)
EF:	EACH FACE
EL, ELEV:	ELEVATION
EQ:	EQUAL, EARTHQUAKE
ES:	EACH SIDE
FFBW:	FRONT FACE BACK WALL
G/L:	GROUNDLINE
JT:	JOINT
LL:	LIVE LOAD
OC:	ON CENTER
PCP:	PRECAST PANEL
PI:	POINT OF INTERSECTION
STA:	STATION
SYM:	SYMMETRIC
TYP:	TYPICAL
WS:	WIND ON STRUCTURE

REBAR DESIGNATION LEGEND:



LOCATION	SYMBOL
FOUNDATION	F1 - F9
COLUMN	P1 - P9
PIER CAP	C1 - C9
PIER DIAPHRAGM	D1 - D9
GIRDER END DIAPHRAGM	E1 - E9
GIRDER INTERMEDIATE DIAPHRAGM	M1 - M8
DECK	S
BARRIER	R
CANOPY PEDESTAL	T

STANDARD PANEL LEGEND:



REINFORCING LAP SPLICES:

A. ALL REINFORCING BAR BENDS SHALL CONFORM TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
B. ALL LAP SPLICES OF REINFORCING BARS NOT DIMENSIONS ON THE DRAWINGS SHALL BE BASED ON THE CLASS B LAP SPLICE TABLE BELOW.
C. MECHANICAL SPLICES SHALL BE USED FOR REINFORCING BARS LARGER THAN #11. AT LEAST 125 PERCENT OF THE SPECIFIED YIELD STRENGTH OF THE BAR SHALL BE DEVELOPED IN TENSION OR COMPRESSION.

LAP SPLICE NOTES:

1. TOP BARS ARE HORIZONTAL BARS PLACED SUCH THAT MORE THAN 12" OF CONCRETE IS CAST BELOW THE REINFORCEMENT.
2. NOT APPLICABLE FOR BUNDLED BARS.
3. MODIFICATION FACTOR FOR EPOXY COATED REINFORCEMENT = 1.5.
4. MINIMUM CLEAR DISTANCE TO NEAREST CONCRETE SURFACE = 2".
5. MINIMUM TENSION LAP SPLICE LENGTH = 2'-0".
6. VALUES ARE BASED ON NORMAL WEIGHT, CAST-IN-PLACE CONCRETE.

CLASS B TENSION LAP SPLICE LENGTHS

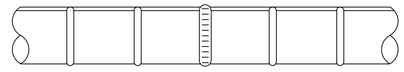
BAR SIZE	f'c (KSI)	3" C-C		6" C-C		9" C-C		12" C-C	
		TOP BARS	OTHERS	TOP BARS	OTHERS	TOP BARS	OTHERS	TOP BARS	OTHERS
#3	4.0	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
	5.0	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
	6.0	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
#4	4.0	2'-1"	2'-0"	2'-1"	2'-0"	2'-1"	2'-0"	2'-1"	2'-0"
	5.0	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
	6.0	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
#5	4.0	2'-8"	2'-1"	2'-7"	2'-0"	2'-7"	2'-0"	2'-7"	2'-0"
	5.0	2'-5"	2'-0"	2'-4"	2'-0"	2'-4"	2'-0"	2'-4"	2'-0"
	6.0	2'-2"	2'-0"	2'-1"	2'-0"	2'-1"	2'-0"	2'-1"	2'-0"
#6	4.0	3'-10"	3'-0"	3'-1"	2'-5"	3'-1"	2'-5"	3'-1"	2'-5"
	5.0	3'-5"	2'-8"	2'-9"	2'-2"	2'-9"	2'-2"	2'-9"	2'-2"
	6.0	3'-2"	2'-5"	2'-6"	2'-0"	2'-6"	2'-0"	2'-6"	2'-0"
#7	4.0	5'-3"	4'-0"	3'-7"	2'-9"	3'-7"	2'-9"	3'-7"	2'-9"
	5.0	4'-8"	3'-7"	3'-3"	2'-6"	3'-3"	2'-6"	3'-3"	2'-6"
	6.0	4'-3"	3'-4"	2'-11"	2'-3"	2'-11"	2'-3"	2'-11"	2'-3"
#8	4.0	6'-10"	5'-3"	4'-1"	3'-2"	4'-1"	3'-2"	4'-1"	3'-2"
	5.0	6'-1"	4'-8"	3'-8"	2'-10"	3'-8"	2'-10"	3'-8"	2'-10"
	6.0	5'-7"	4'-3"	3'-4"	2'-7"	3'-4"	2'-7"	3'-4"	2'-7"
#9	4.0	8'-8"	6'-8"	5'-1"	3'-11"	5'-1"	3'-11"	5'-1"	3'-11"
	5.0	7'-9"	6'-0"	4'-7"	3'-6"	4'-7"	3'-6"	4'-7"	3'-6"
	6.0	7'-1"	5'-5"	4'-2"	3'-2"	4'-2"	3'-2"	4'-2"	3'-2"
#10	4.0	10'-11"	8'-5"	6'-3"	4'-10"	6'-3"	4'-10"	6'-3"	4'-10"
	5.0	9'-10"	7'-7"	5'-7"	4'-4"	5'-7"	4'-4"	5'-7"	4'-4"
	6.0	8'-11"	6'-11"	5'-1"	3'-11"	5'-1"	3'-11"	5'-1"	3'-11"
#11	4.0	13'-6"	10'-5"	7'-6"	5'-9"	7'-6"	5'-9"	7'-6"	5'-9"
	5.0	12'-1"	9'-3"	6'-8"	5'-2"	6'-8"	5'-2"	6'-8"	5'-2"
	6.0	11'-0"	8'-6"	6'-2"	4'-9"	6'-2"	4'-9"	6'-2"	4'-9"

LOAD COMBINATIONS

N	LIMIT STATE	PERM LOADS	LL / PL	WL	WS	FR	TU **	TG	SE	EXTREME LOADS		USE
										EQ	CT	
1	STRENGTH I *	γP	1.75	-	-	-	0.50 / 1.20	-	1.00 / 0.00	-	-	PL, NO WIND
2	STRENGTH III *	γP	-	-	1.00	-	-	-	-	-	-	110MPH 3S GUST WIND AND SNOW ON CANOPY
3	STRENGTH V *	γP	1.35	-	1.00	-	0.50 / 1.20	-	1.00 / 0.00	-	-	80MPH 3S GUST WIND AND PL
4	EE-I	1.00	γEQ	-	-	-	-	-	-	1.00	-	SEISMIC
5	EE-II	γP	0.50	-	-	-	-	-	-	-	1.00	VEHICULAR COLLISION
6	EE-III	γP	1.00	-	-	-	-	-	-	-	-	ST DERAIL. LOAD ON COLUMNS
7	SERVICE I *	1.00	1.00	1.00	1.00	-	1.00 / 1.20	0.50	1.00 / 0.00	-	-	70MPH 3S GUST WIND AND PL
8	SERVICE III	1.00	1.00	-	-	-	1.00 / 1.20	0.50	1.00 / 0.00	-	-	LONGIT. P/S ANALYSIS USING TRANSF. SECTION; PRINC. STRESS IN WEBS FOR BOX GIRDER

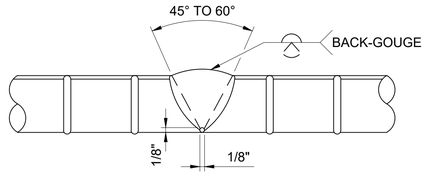
* INCLUDING CANOPY REACTIONS

** LARGER VALUE FOR DISPLACEMENTS, LOWER FOR LOADS. ASSUMING EFFECIVE COLUMN SECTION IS USED IN ANALYSIS.

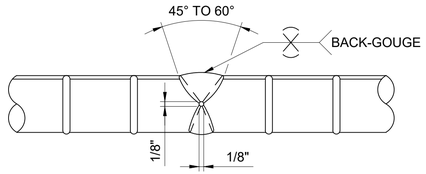


RESISTANCE BUTT JOINT DETAIL

SEE SPECIAL PROVISIONS FOR APPROVAL AND TESTING REQUIREMENTS



SINGLE V-GROOVE WELD
AWS D.14 FIGURE 3.2(A)



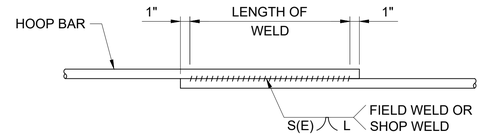
DOUBLE V-GROOVE WELD
AWS D.14 FIGURE 3.2(B)

MANUAL DIRECT BUTT JOINT DETAILS FOR COLUMN AND SHAFT HOOPS

ALL BACKING SHALL BE REMOVED.
SEE SPECIAL PROVISIONS FOR RT TESTING FREQUENCY.

NOTES FOR HOOP SPLICES:

1. BUTT-WELDED HOOPS ARE REQUIRED IN COLUMNS. LAP SPLICED HOOPS ARE NOT PERMITTED IN COLUMNS IN ANY REGION.
2. WHEN WELDED HOOPS ARE USED, THE PLANS SHALL SHOW A STAGGERED PATTERN AROUND THE PERIMETER OF THE COLUMN SO THAT NO TWO ADJACENT WELDED SPLICES ARE LOCATED AT THE SAME LOCATION.
3. CIRCULAR HOOPS FOR COLUMNS SHALL BE SHOP FABRICATED USING A MANUAL DIRECT BUTT WELD OR RESISTANCE BUTT WELD.
4. MANUAL DIRECT BUTT WELDED HOOPS REQUIRE RADIOGRAPHIC NONDESTRUCTIVE EXAMINATION (RT).
5. COLUMNS WITH CIRCULAR HOOP REINFORCEMENT SHALL HAVE A MINIMUM 2" CONCRETE COVER TO THE HOOPS TO ACCOMMODATE RESISTANCE BUTT WELD "WELD FLASH" THAT CAN EXTEND UP TO 1/2" FROM THE BAR SURFACE.
6. SHAFT HOOPS MAY EITHER BE SPLICED ACCORDING TO WELDED LAP SPLICE DETAILS FOR SHAFT HOOPS, OR ACCORDING TO THE MANUAL DIRECT BUTT JOINT DETAILS.



WELDED LAP SPLICE DETAIL FOR SHAFT HOOPS

WELDING SHALL MEET THE REQUIREMENTS OF STD. SPEC. 6-02.3(24)E. FOR WELD DIMENSIONS SEE TABLE BELOW.

	BAR SIZE	WELD DIMENSIONS (IN.) S	E	L (LENGTH)
HOOPS FOR SHAFTS	#7	7/16	1/4	7
	#8	1/2	1/4	8
	#9	9/16	5/16	8

DESIGN PACKAGE DP021

IFC SUBMITTAL

No.	DATE	DSN	CHK	APP	REVISION
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

SHUKRE J. DESPRADEL — STATE OF WASHINGTON — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
8/28/2019 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN

Kiewit
DATE: 08/23/19
REVIEWED BY: T. KRAUPA

LINE IS 1" AT FULL SCALE

CityofRedmond
DATE: 08/23/19

SCALE: NTS
FILENAME: 004-B27-SZN101
SUBMITTAL DATE: 08/23/19

RTS PEDESTRIAN BRIDGE

GENERAL NOTES
SHEET 2 OF 2

DRAWING No.: B27-SZN101
FACILITY ID: B27
SHEET No.: 4
REV: 0

RECORD DRAWING #23-2090

08/28/19 | 3:49 PM | DIETRICH.HENDERSON
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XREF LIST:
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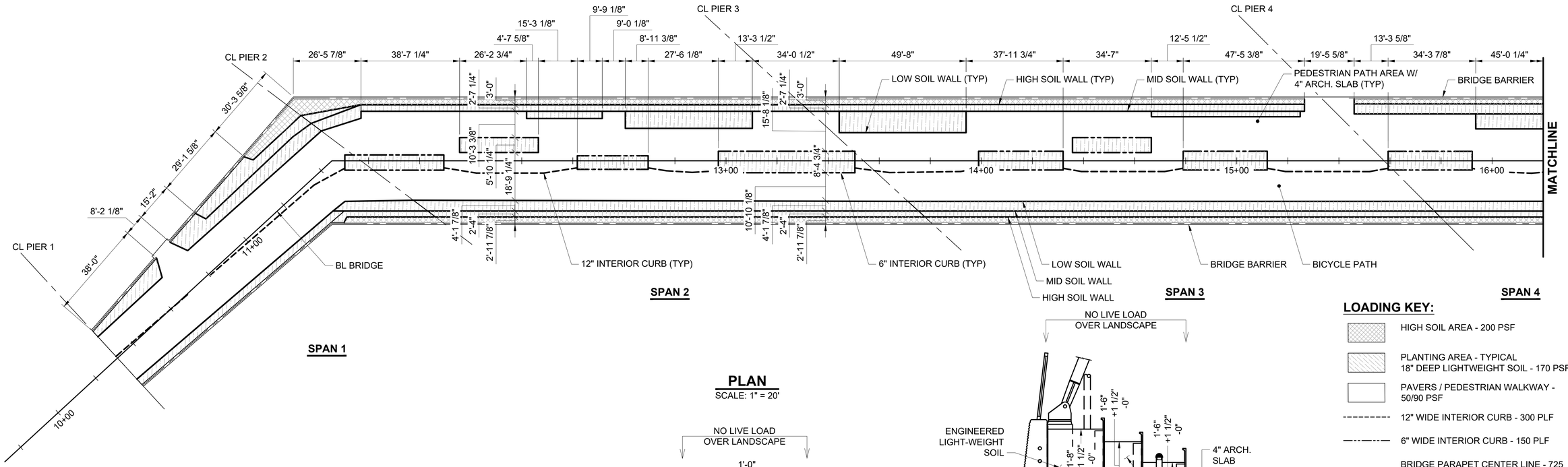
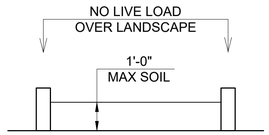
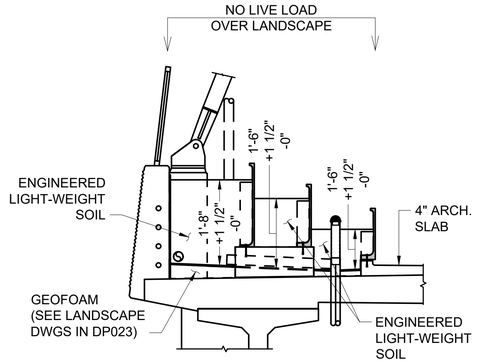
xE360-B27-LTP100.dwg
xE360-B27-LTP100.dwg



PLAN
SCALE: 1" = 20'



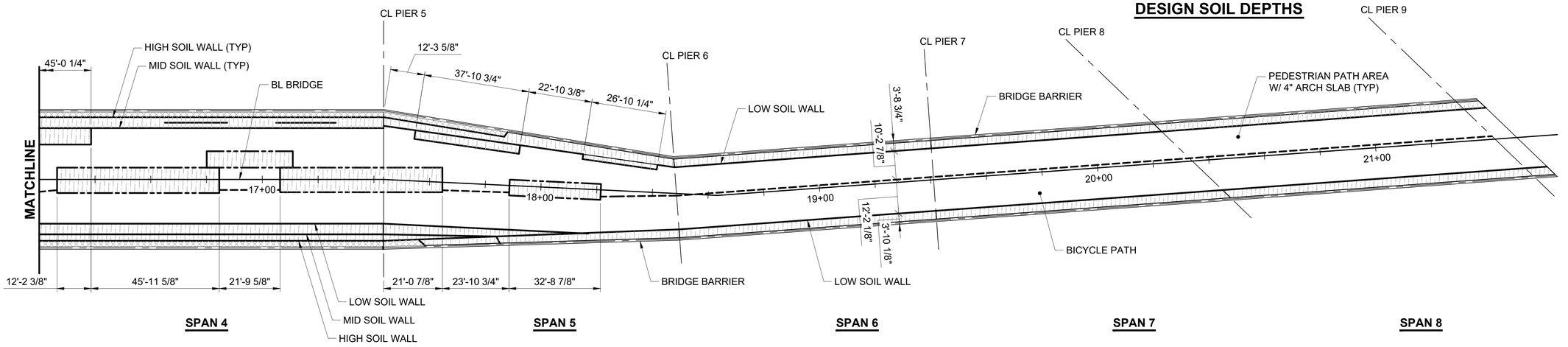
MEDIAN



DESIGN SOIL DEPTHS

LOADING KEY:

- HIGH SOIL AREA - 200 PSF
- PLANTING AREA - TYPICAL 18" DEEP LIGHTWEIGHT SOIL - 170 PSF
- PAVERS / PEDESTRIAN WALKWAY - 50/90 PSF
- 12" WIDE INTERIOR CURB - 300 PLF
- 6" WIDE INTERIOR CURB - 150 PLF
- BRIDGE PARAPET CENTER LINE - 725 PLF FOR ALL UNITS
- LOW SOIL WALL - 90 PLF
- MID SOIL WALL - 95 PLF
- HIGH SOIL WALL - 100 PLF



PLAN
SCALE: 1" = 20'

NOTES:

1. FOR WALL LAYOUT, SEE LANDSCAPE DWGS.

SCALE IN FEET

DESIGN PACKAGE DP021

IFC SUBMITTAL

No.	DATE	DSN	CHK	APP	REVISION
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: A. SOLIZ
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

SUKRE J. DESPRADEL — STATE OF WASHINGTON — 23361 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
8/28/2019 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN

Kiewit — KIEWIT SINCE 1884
DATE: 08/23/19
REVIEWED BY: T. KRAUPA
DATE: 08/23/19

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON
SUBMITTAL DATE: 08/23/19

SCALE: 1" = 20'
FILENAME: 005-B27-LTP100

RTS PEDESTRIAN BRIDGE

LANDSCAPE LOAD MAP

DRAWING No.: B27-LTP100
FACILITY ID: B27
SHEET No.: 5
REV: 0

RECORD DRAWING #23-2091

08/28/19 | 3:49 PM | DIETRICH.HENDERSON
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MS Bridge MOT.dwg
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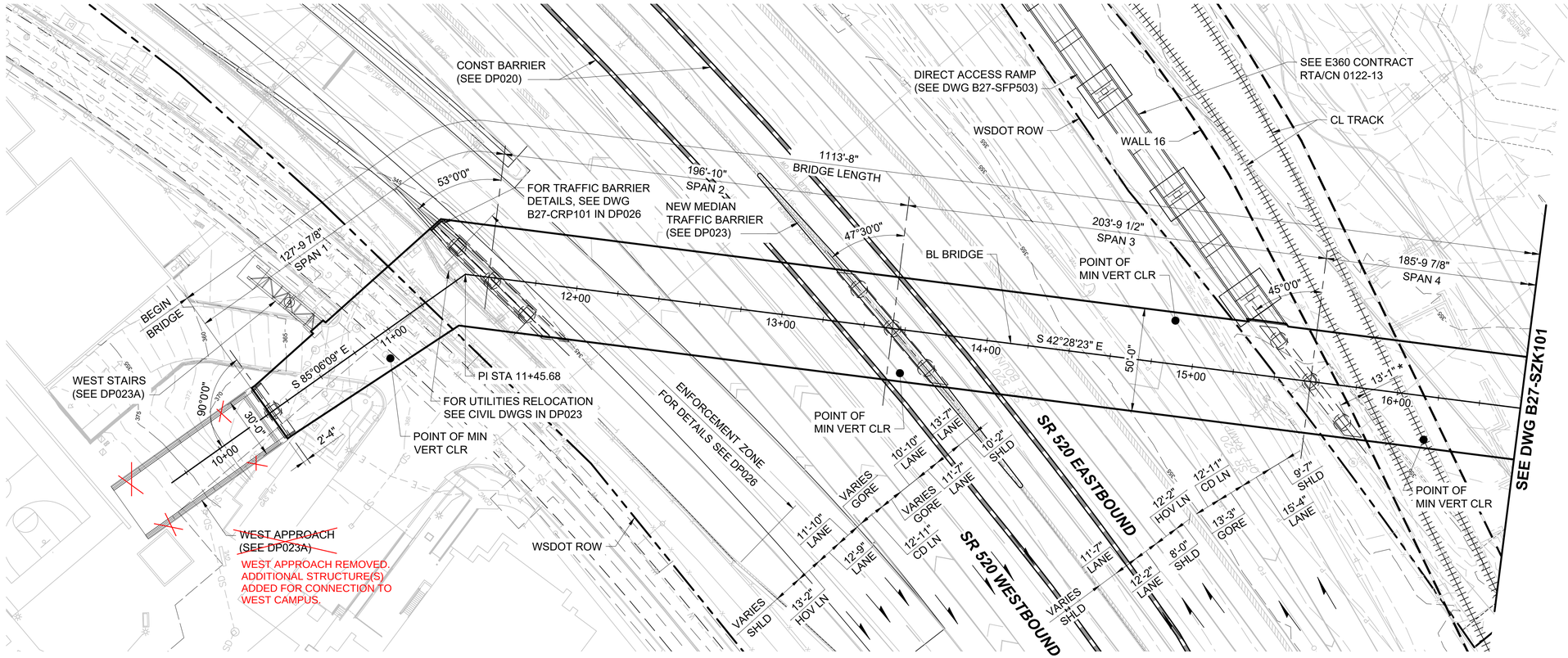
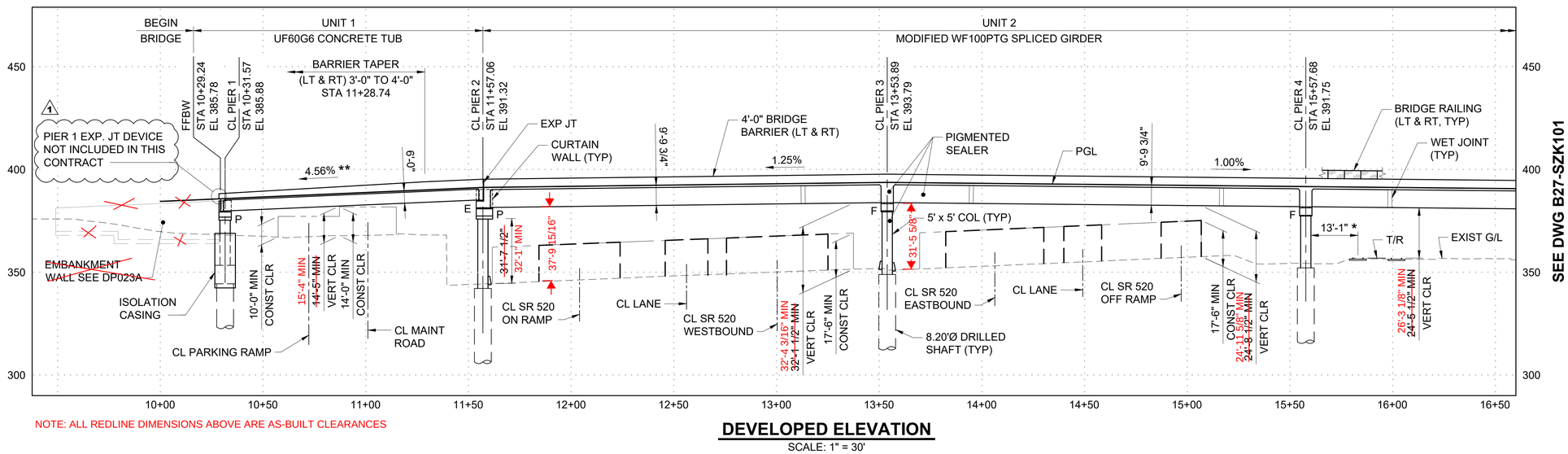
SRS20_ SB_ ON_ RAMP_ EOP.DWG



PLAN
SCALE: 1" = 30'



NOTE: ALL REDLINE DIMENSIONS ABOVE ARE AS-BUILT CLEARANCES

DEVELOPED ELEVATION
SCALE: 1" = 30'

NOTES:

1. SPAN LENGTHS ARE MEASURED ALONG BASELINE BRIDGE.
2. ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88) AS DERIVED FROM BENCHMARKS PUBLISHED BY THE CITY OF BELLEVUE.

* 3. MEASURED PERPENDICULAR TO THE TRACKS (SOUTH COLUMN).

** 4. BETWEEN PIER 1 & ALIGNMENT PI.

UNIT 1: UF60G6
UNIT 2: MODIFIED WF100PTG SPLICED GIRDER
UNIT 3: UF54G6
PEDESTRIAN AND LANDSCAPE LOAD
H10 TRUCK

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017599 — REGISTERED PROFESSIONAL ENGINEER

30 15 0 30 60
SCALE IN FEET

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
1	11/04/19	SJD	KF	SJD	NDC-00003
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

JOSE J. DESPRADEL — STATE OF WASHINGTON — 20360 — STRUCTURAL PROFESSIONAL ENGINEER
11-7-19 EXP: 03-15-21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON

SCALE: 1" = 30'
FILENAME: 006-B27-SZK100

RTS PEDESTRIAN BRIDGE

PLAN AND ELEVATION
SHEET 1 OF 2

DRAWING No.: **B27-SZK100**
FACILITY ID: B27
SHEET No.: 6
REV: 1

RECORD DRAWING #23-2092

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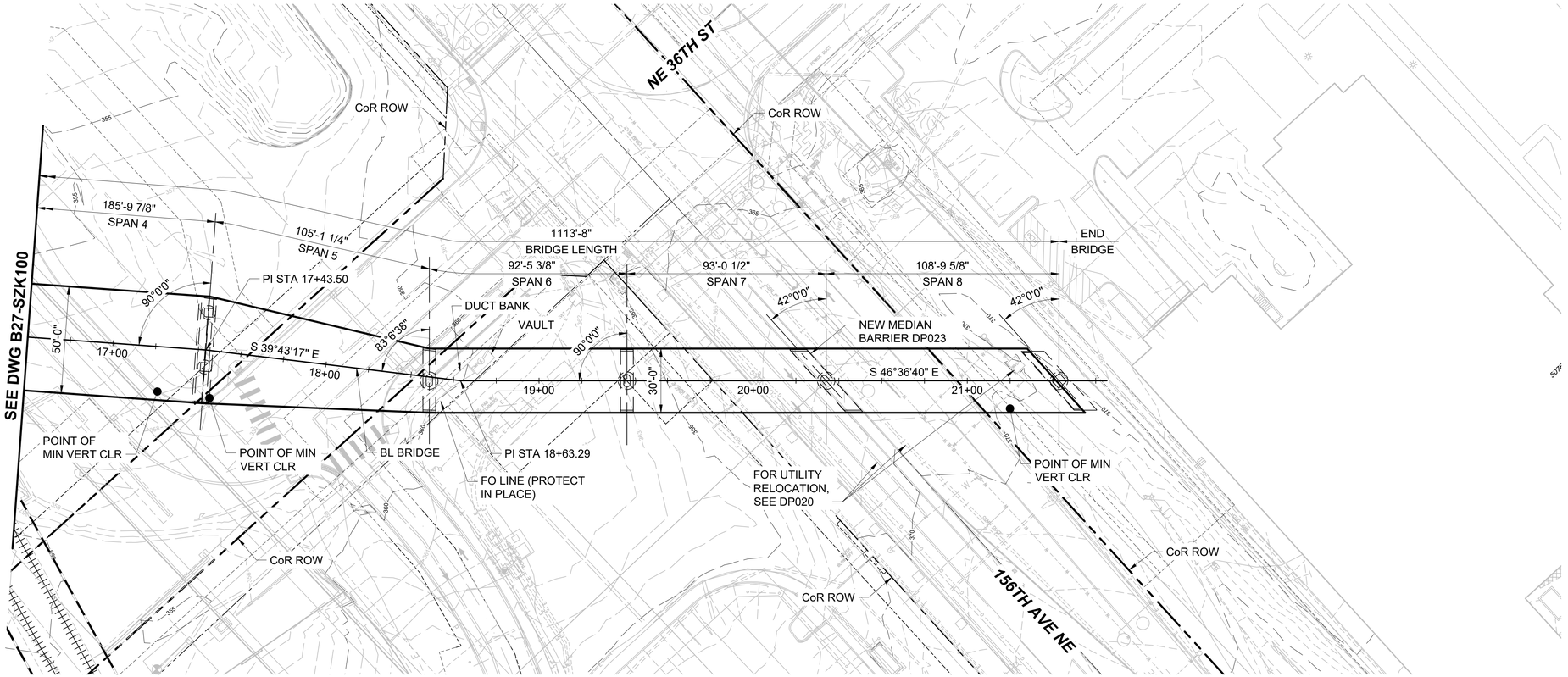
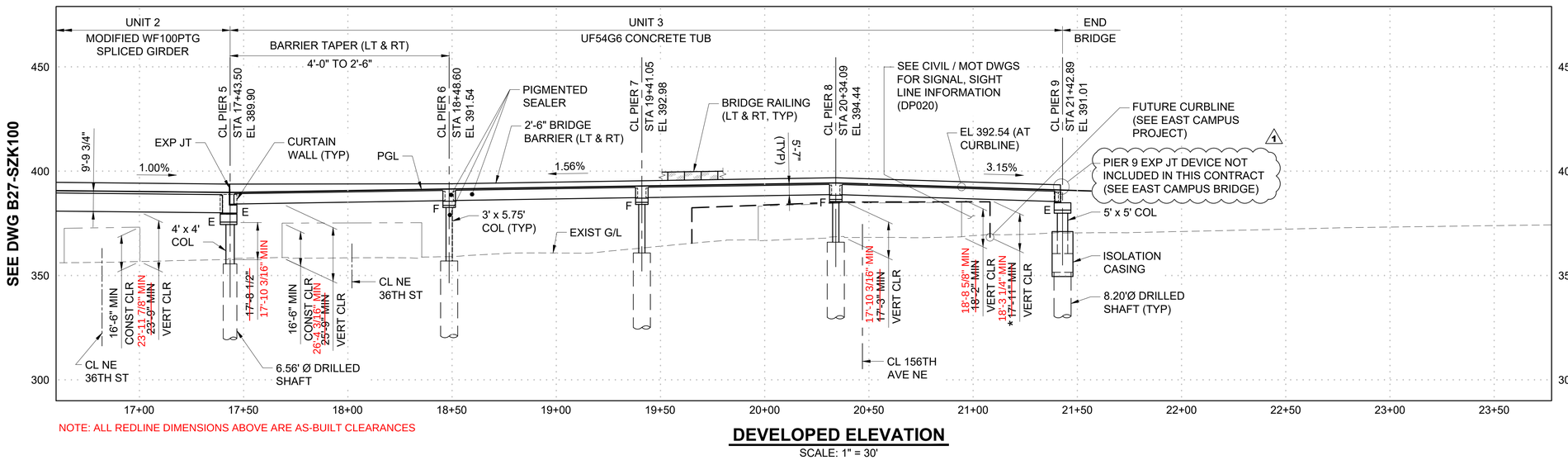


PLAN
SCALE: 1" = 30'



NOTE: ALL REDLINE DIMENSIONS ABOVE ARE AS-BUILT CLEARANCES

DEVELOPED ELEVATION
SCALE: 1" = 30'

NOTES:

1. SPAN LENGTHS ARE MEASURED ALONG BASELINE BRIDGE.
* 2. VERTICAL CLEARANCE IS MEASURED FROM FUTURE PROJECTED GRADE.

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

30 15 0 30 60
SCALE IN FEET

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
1	11/04/19	SJD	KF	SJD	NDC-00003
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL
11-7-19 EXP: 03-15-21

JUKRE J. DESPRADEL — STATE OF WASHINGTON — 52369 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER

Kiewit — KIEWIT ENGINEERING GROUP INC. — ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 11/04/19

Kiewit — SINCE 1931
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond — WASHINGTON

SCALE: 1" = 30'
FILENAME: 007-B27-SZK101
SUBMITTAL DATE: 11/04/19

RTS PEDESTRIAN BRIDGE

PLAN AND ELEVATION
SHEET 2 OF 2

DRAWING No.: B27-SZK101
FACILITY ID: B27
SHEET No.: 7
REV: 1

RECORD DRAWING #23-2093

11/06/19 | 12:41 PM | DIETRICH.HENDERSON
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XREF LIST:
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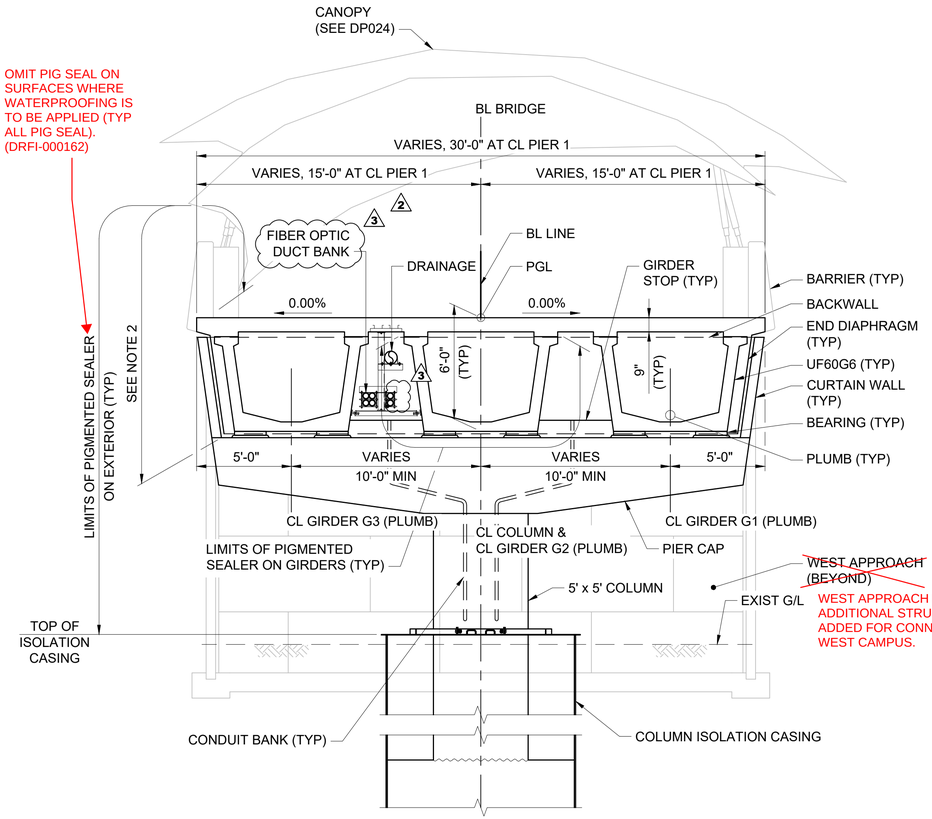
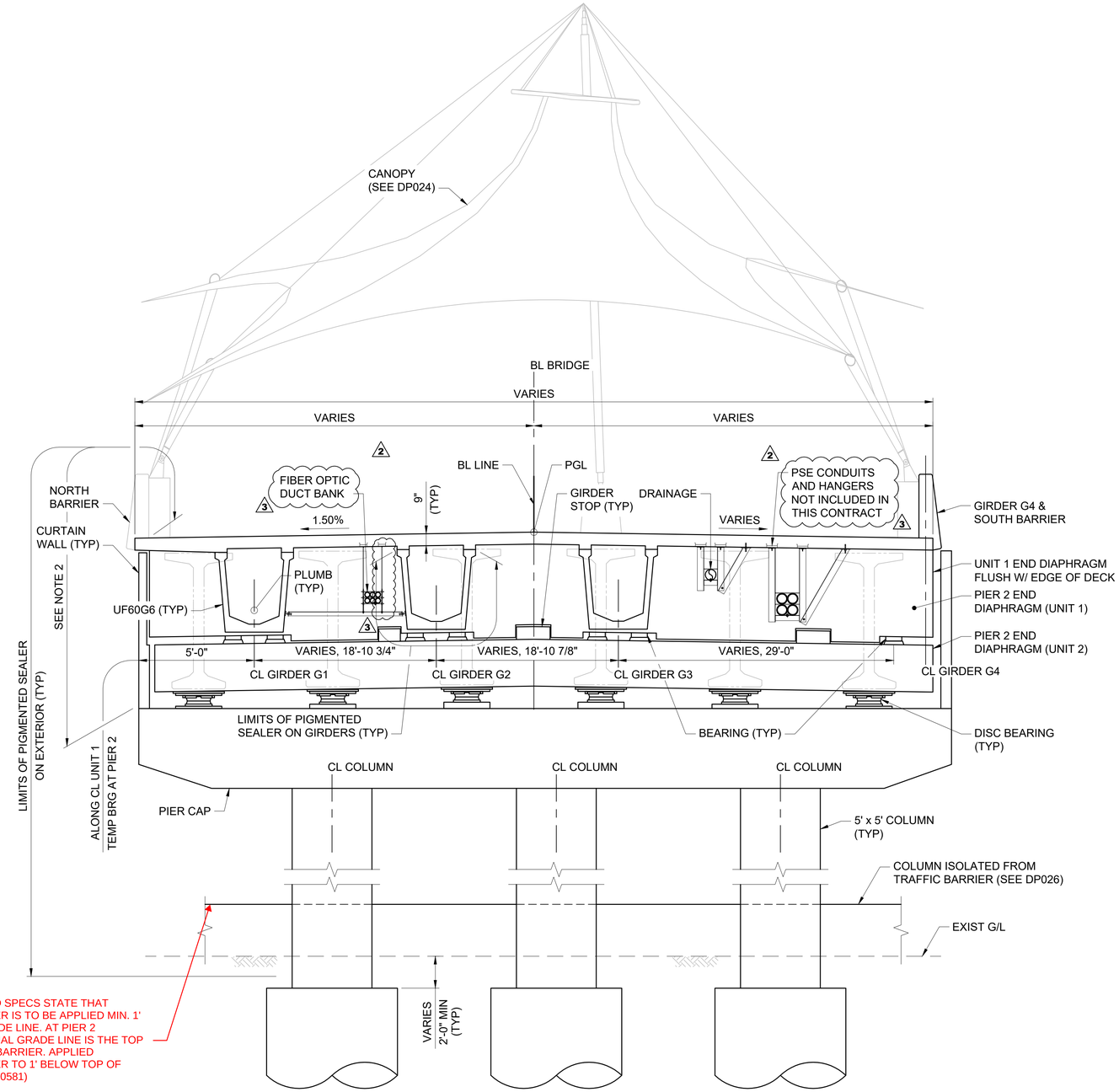


TYPICAL SECTION - UNIT 1

SCALE: 1/4" = 1'-0"
(SHOWN AT PIER 1, LOOKING DOWNSTATION)



WSDOT STANDARD SPECS STATE THAT PIGMENTED SEALER IS TO BE APPLIED MIN. 1' BELOW FINAL GRADE LINE. AT PIER 2 COLUMNS, THE FINAL GRADE LINE IS THE TOP OF THE PRECAST BARRIER. APPLIED PIGMENTED SEALER TO 1' BELOW TOP OF BARRIER. (DRFI-000581)

TYPICAL SECTION - UNIT 1

SCALE: 1/4" = 1'-0"
(SHOWN AT PIER 2, LOOKING UPSTATION)

NOTES:

1. ITEMS IN GREY, ABOVE THE DECK, ARE NOT INCLUDED IN THIS CONSTRUCTION PACKAGE AND ARE SUBJECT TO CHANGE.
2. FOR PIGMENTED SEALER DETAILS, SEE DP023.

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
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2	11/04/19	SJD	KF	SJD	NDC-00003
1	10/11/19	SJD	KF	SJD	NDC-000002 - UPDATED UTILITY HANGERS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JOAQUIN J. DESPRADEL — STATE OF WASHINGTON — 23036 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
9/11/20 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN

Kiewit SINCE 1884
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON

SCALE: 1/4" = 1'-0"
FILENAME: 010-B27-SYX100
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UNIT 1 - TYPICAL SECTIONS
SHEET 1 OF 4

DRAWING No.: B27-SYX100
FACILITY ID: B27
SHEET No.: 10
REV: 3

RECORD DRAWING #23-2094

09/10/20 | 7:46 AM | ALYSSA.SOLIZ
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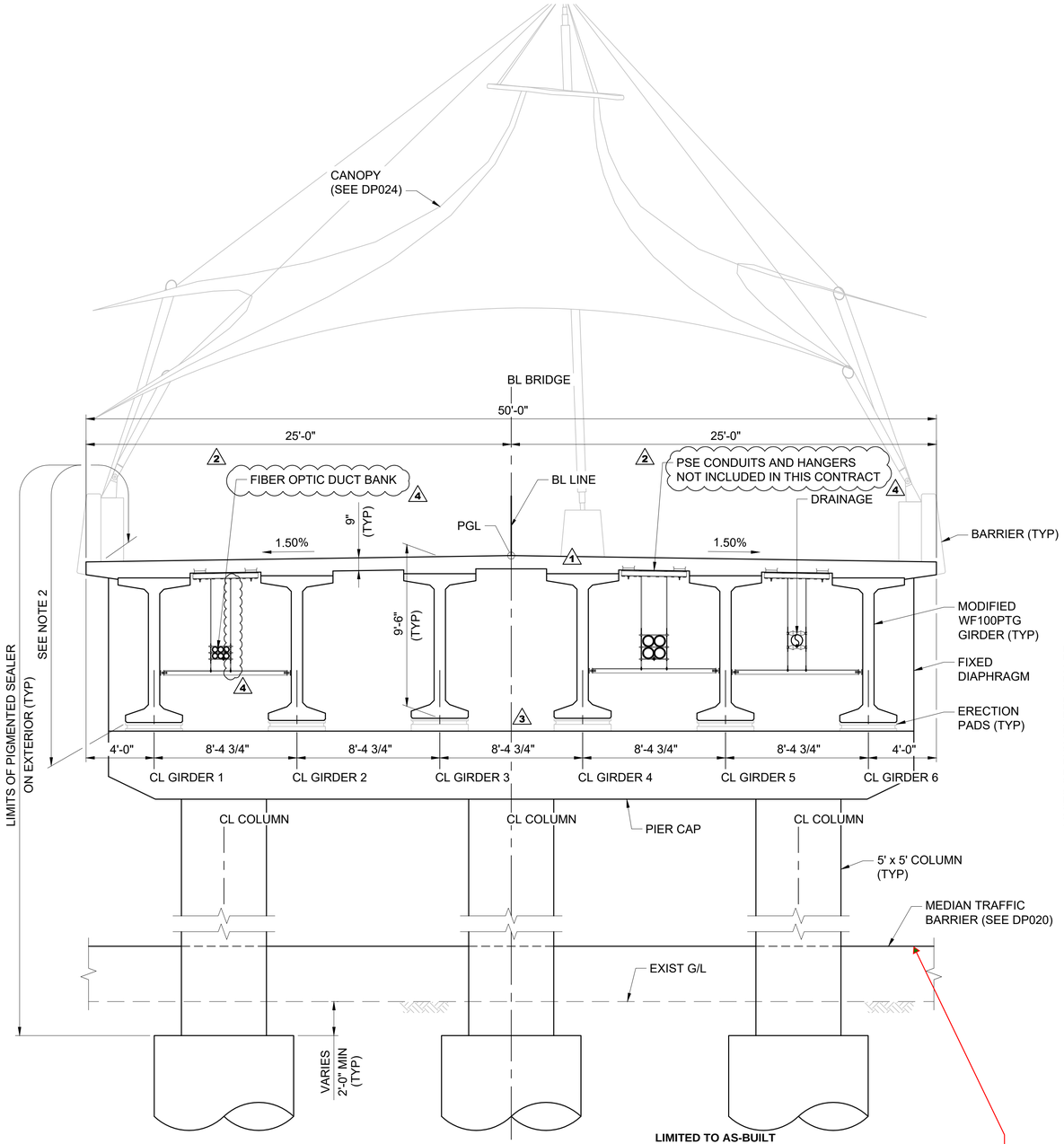


TYPICAL SECTION - UNIT 2

SCALE: 1/4" = 1'-0"
(SHOWN AT PIER 3, PIER 4 SIMILAR, LOOKING UPSTATION)

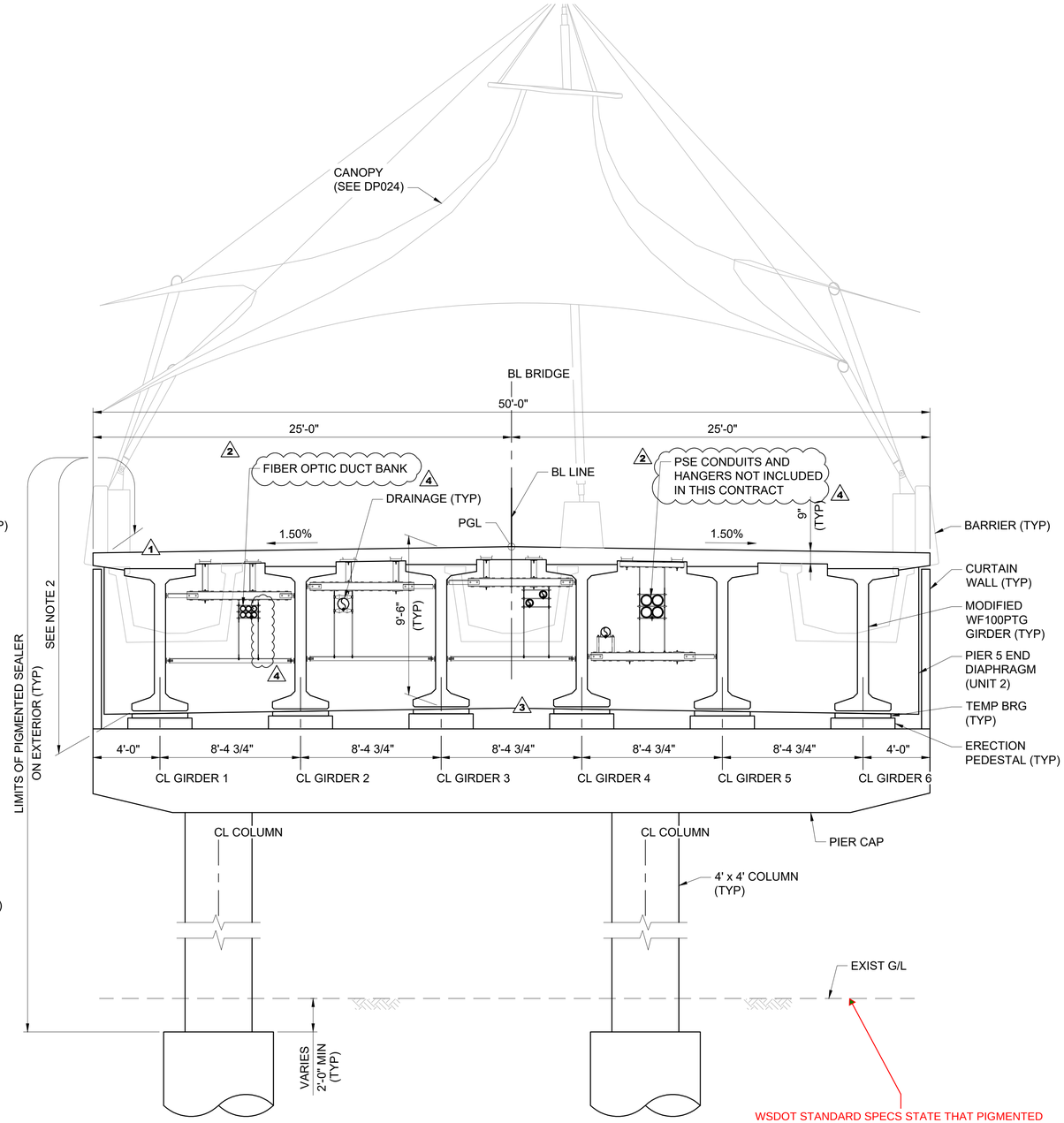
WSDOT STANDARD SPECS STATE THAT PIGMENTED SEALER IS TO BE APPLIED MIN. 1' BELOW FINAL GRADE LINE. AT PIER 3 COLUMNS, THE FINAL GRADE LINE IS THE TOP OF THE PRECAST BARRIER. APPLIED PIGMENTED SEALER TO 1' BELOW TOP OF BARRIER. (DRFI-000582)

NOTES:

1. ITEMS IN GREY, ABOVE THE DECK, ARE NOT INCLUDED IN THIS CONSTRUCTION PACKAGE AND ARE SUBJECT TO CHANGE.
2. FOR PIGMENTED SEALER DETAILS, SEE DP023.

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER



TYPICAL SECTION - UNIT 2

SCALE: 1/4" = 1'-0"
(SHOWN AT PIER 5, LOOKING UPSTATION)

WSDOT STANDARD SPECS STATE THAT PIGMENTED SEALER IS TO BE APPLIED MIN. 1' BELOW FINAL GRADE LINE. AT PIER 4 & 5 COLUMNS, APPLIED PIGMENTED SEALER TO 1' BELOW FINAL GRADE. (DRFI-000583)

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
4	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVES
3	02/12/20	SJD	KF	SJD	NDC-00009 - CORRECT PIGMENTED SEALER
2	11/04/19	SJD	KF	SJD	NDC-00003
1	10/11/19	SJD	KF	SJD	NDC-000002 - UPDATED UTILITY HANGERS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

LUKAS J. DESPRADEL — STATE OF WASHINGTON — 182309 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
9/11/20 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN

Kiewit — KIEWIT INFRASTRUCTURE WEST CO.
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond — WASHINGTON

SCALE: 1/4" = 1'-0"
FILENAME: 011-B27-SYX101
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UNIT 2 - TYPICAL SECTIONS
SHEET 2 OF 4

DRAWING No.: B27-SYX101
FACILITY ID: B27
SHEET No.: 11
REV: 4

09/10/20 | 7:47 AM | ALYSSA.SOLIZ
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RECORD DRAWING #23-2095

XREF LIST:
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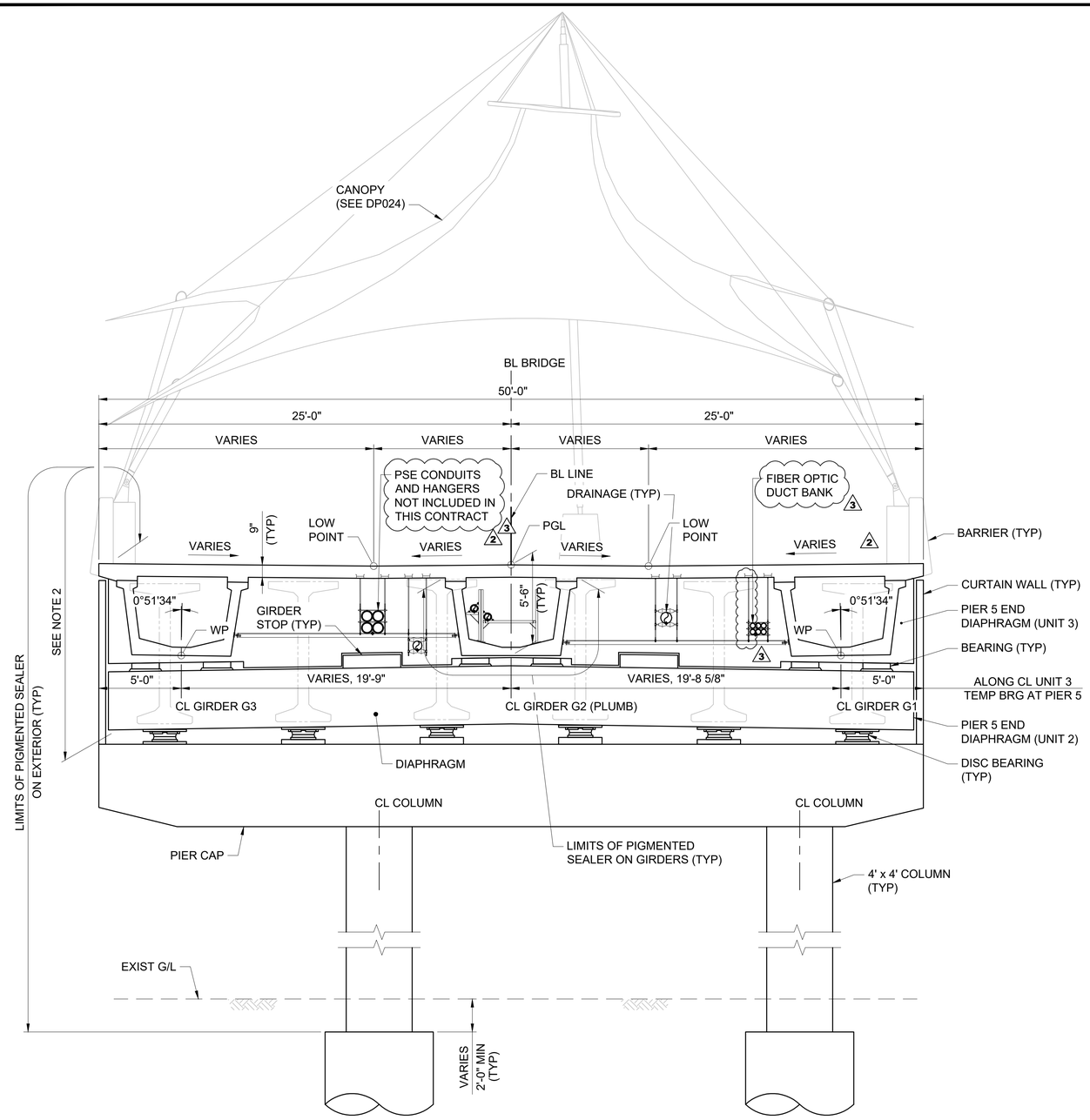

TYPICAL SECTION - UNIT 3

SCALE: 1/4" = 1'-0"
(SHOWN AT PIER 5, LOOKING DOWNSTATION)

NOTES:

1. ITEMS IN GREY, ABOVE THE DECK, ARE NOT INCLUDED IN THIS CONSTRUCTION PACKAGE AND ARE SUBJECT TO CHANGE.
2. FOR PIGMENTED SEALER DETAILS, SEE DP023.

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
3	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVES
2	11/04/19	SJD	KF	SJD	NDC-00003
1	10/11/19	SJD	KF	SJD	NDC-000002 - UPDATED UTILITY HANGERS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

SHUKRE J. DESPRADEL — STATE OF WASHINGTON — 20360 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
9/11/20 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 11/04/19

Kiewit
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON
SUBMITTAL DATE: 11/04/20

SCALE: 1/4" = 1'-0"
FILENAME: 012-B27-SYX102

RTS PEDESTRIAN BRIDGE

UNIT 3 - TYPICAL SECTIONS
SHEET 3 OF 4

DRAWING No.: **B27-SYX102**
FACILITY ID: B27
SHEET No.: 12
REV: 3

09/10/20 | 7:48 AM | ALYSSA.SOLIZ
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RECORD DRAWING #23-2096

SHEET REVISED. SEE FOLLOWING PAGE.

XREF LIST:
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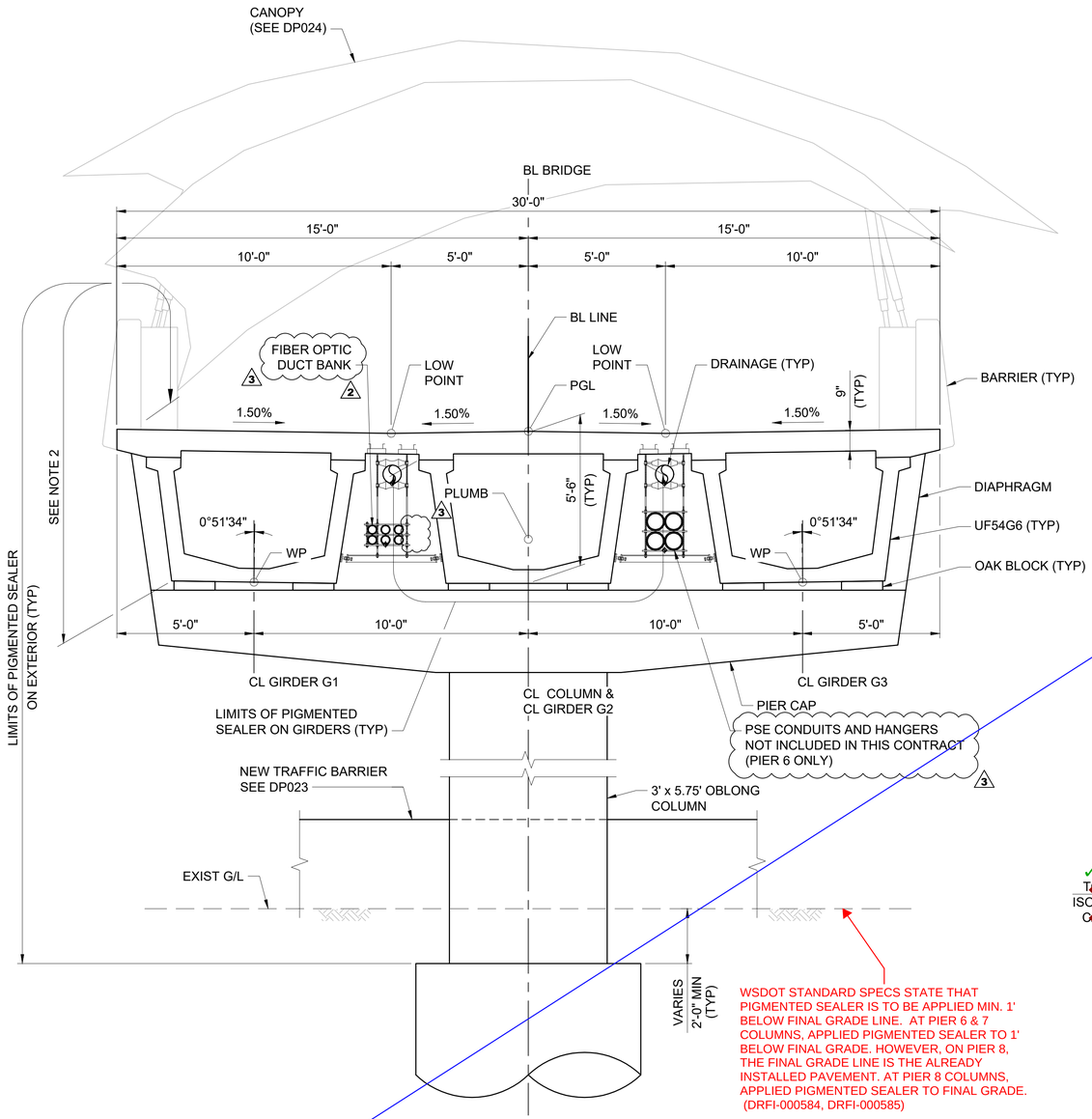
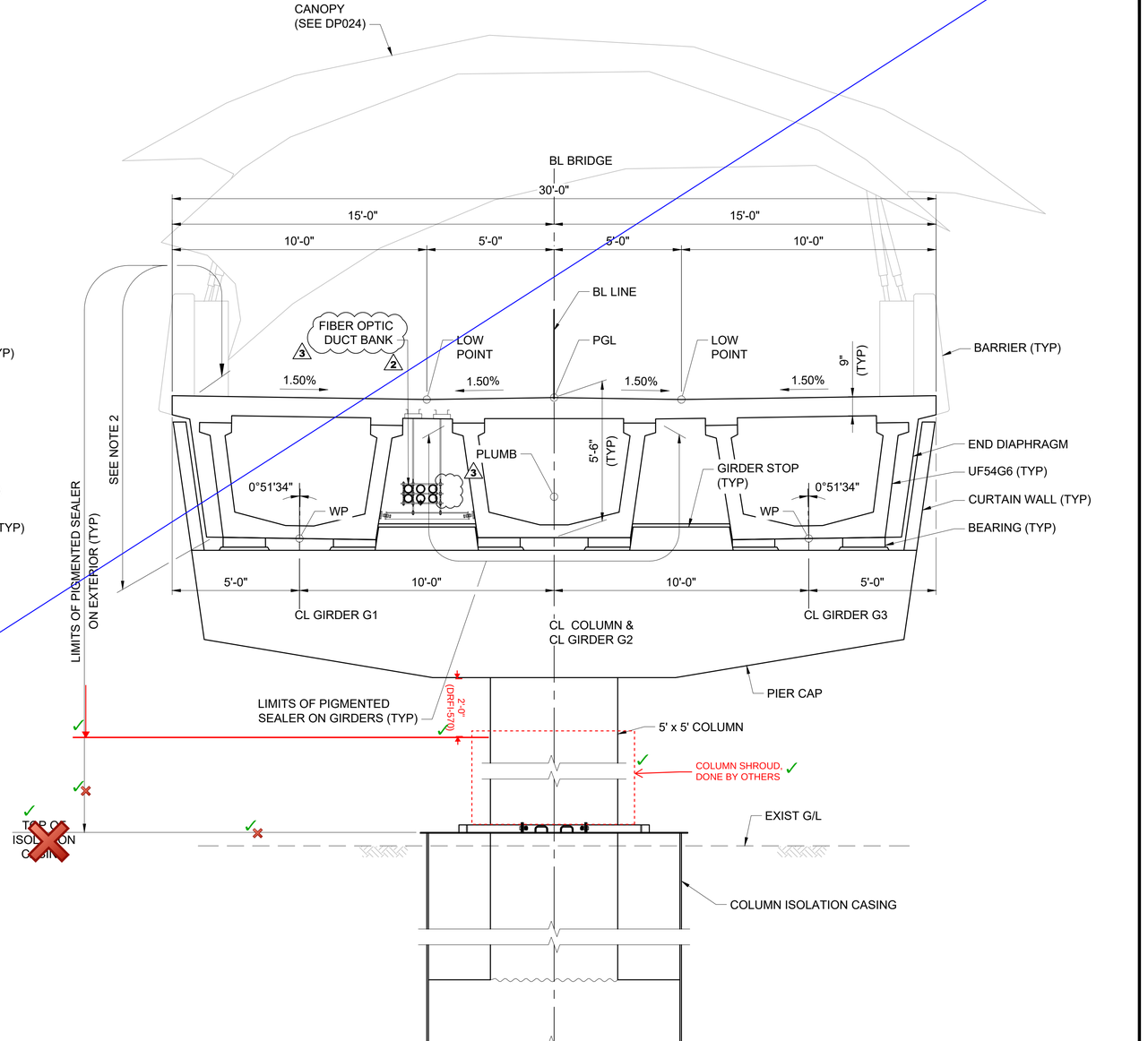


WSDOT STANDARD SPECS STATE THAT PIGMENTED SEALER IS TO BE APPLIED MIN. 1' BELOW FINAL GRADE LINE. AT PIER 6 & 7 COLUMNS, APPLIED PIGMENTED SEALER TO 1' BELOW FINAL GRADE. HOWEVER, ON PIER 8, THE FINAL GRADE LINE IS THE ALREADY INSTALLED PAVEMENT. AT PIER 8 COLUMNS, APPLIED PIGMENTED SEALER TO FINAL GRADE. (DRFI-000584, DRFI-000585)

TYPICAL SECTION - UNIT 3

SCALE: 3/8" = 1'-0"
(SHOWN AT PIER 7, PIERS 6 & 8 SIMILAR, LOOKING UPSTATION)



TYPICAL SECTION - UNIT 3

SCALE: 3/8" = 1'-0"
(SHOWN AT PIER 9, LOOKING UPSTATION)

NOTES:

1. ITEMS IN GREY, ABOVE THE DECK, ARE NOT INCLUDED IN THIS CONSTRUCTION PACKAGE AND ARE SUBJECT TO CHANGE.
2. FOR PIGMENTED SEALER DETAILS, SEE DP023.

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
4	07/25/23	BKS	ZH	BKS	DRFI - 570 LIMITS OF PIGMENTED SEALER
3	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVES
2	11/04/19	SJD	KF	SJD	NDC-00003
1	10/11/19	SJD	KF	SJD	NDC-000002 - UPDATED UTILITY HANGERS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

HUKRE J. DESPRADEL — STATE OF WASHINGTON — 23360 — STRUCTURAL PROFESSIONAL ENGINEER
9/11/20 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 11/04/19

Kiewit SINCE 1884
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON

SCALE: 3/8" = 1'-0"
FILENAME: 013-B27-SYX103
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UNIT 3 - TYPICAL SECTIONS
SHEET 4 OF 4

DRAWING No.: B27-SYX103
FACILITY ID: B27
SHEET No.: 13
REV: 4 3

09/10/20 | 7:52 AM | ALYSSA.SOLIZ
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RECORD DRAWING #23-2097

XREF LIST:
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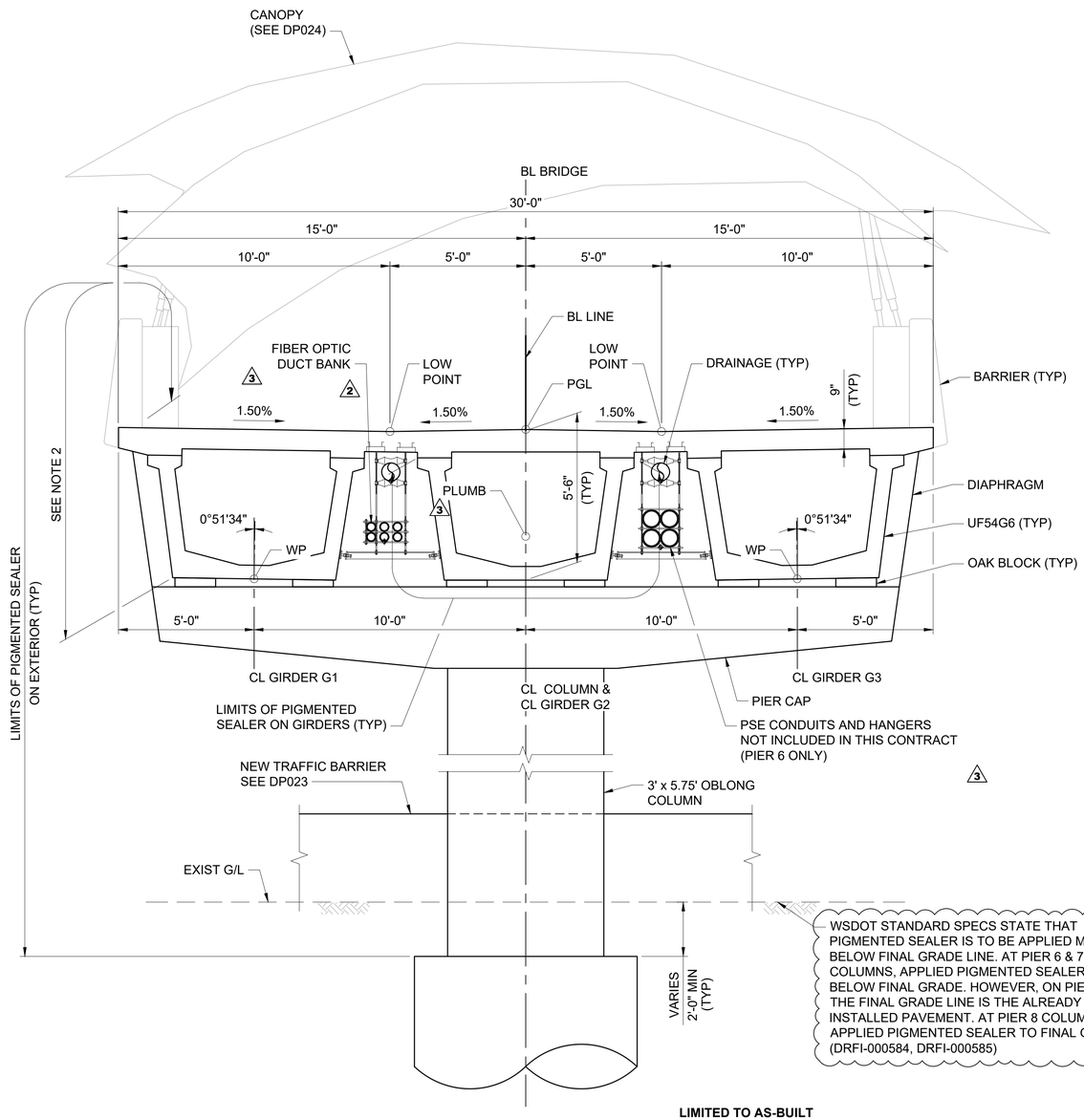
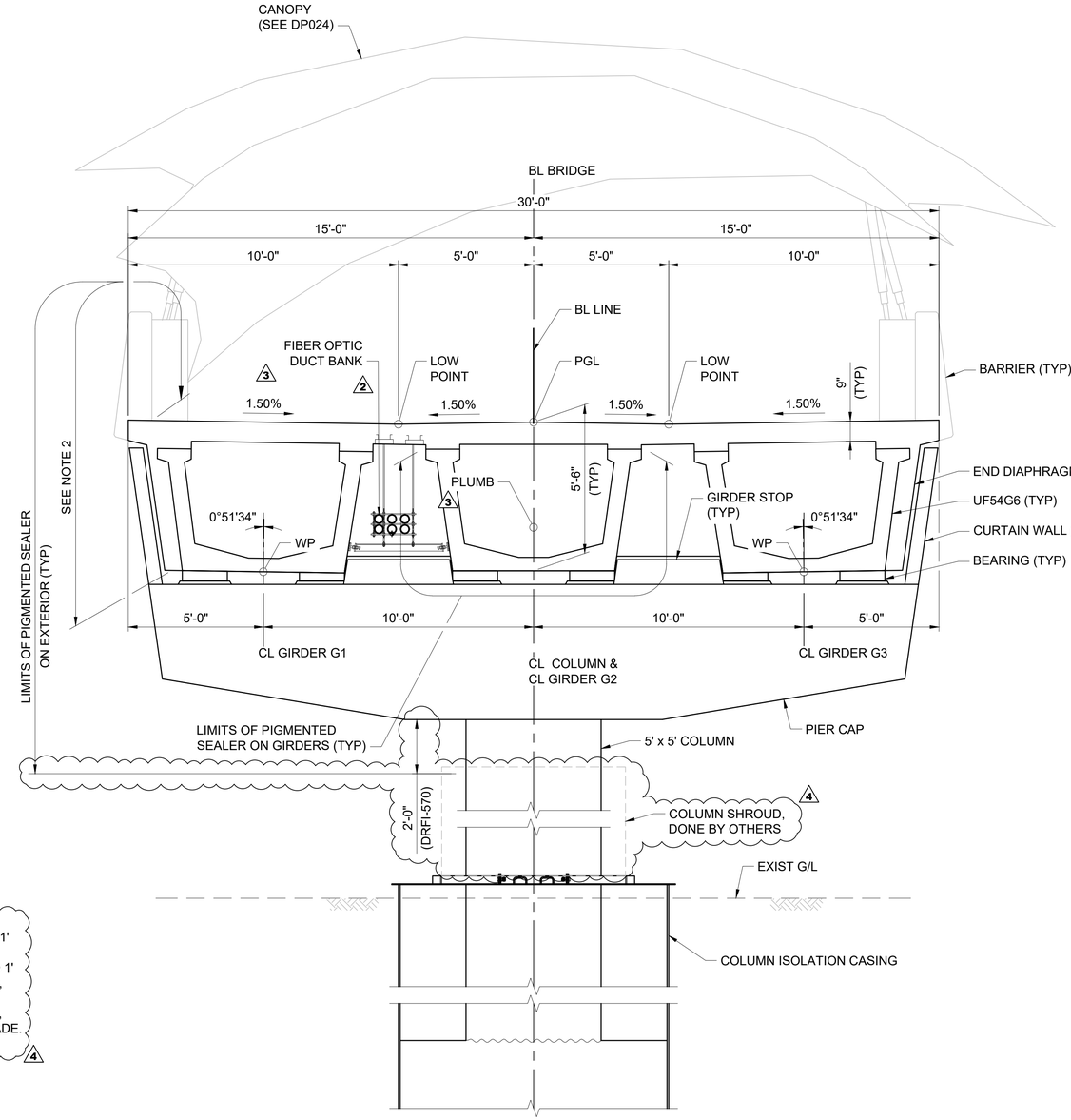


TYPICAL SECTION - UNIT 3

SCALE: 3/8" = 1'-0"
(SHOWN AT PIER 7, PIERS 6 & 8 SIMILAR, LOOKING UPSTATION)

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER



TYPICAL SECTION - UNIT 3

SCALE: 3/8" = 1'-0"
(SHOWN AT PIER 9, LOOKING UPSTATION)

NOTES:

1. ITEMS IN GREY, ABOVE THE DECK, ARE NOT INCLUDED IN THIS CONSTRUCTION PACKAGE AND ARE SUBJECT TO CHANGE.
2. FOR PIGMENTED SEALER DETAILS, SEE DP023.

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
4	07/25/23	BKS	ZH	BKS	DRFI - 570 LIMITS OF PIGMENTED SEALER
3	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVES
2	11/04/19	SJD	KF	SJD	NDC-00003
1	10/11/19	SJD	KF	SJD	NDC-000002 - UPDATED UTILITY HANGERS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

SHAUNE J. DESPRADEL — STATE OF WASHINGTON — 23360 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 11/04/19

Kiewit — SINCE 1884
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON

SCALE: 3/8" = 1'-0"
FILENAME: 013-B27-SYX103
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UNIT 3 - TYPICAL SECTIONS
SHEET 4 OF 4

DRAWING No.: **B27-SYX103**
FACILITY ID: B27
SHEET No.: 13
REV: 4

07/25/23 | 12:44 PM | DIETRICH.HENDERSON
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RECORD DRAWING #23-2098

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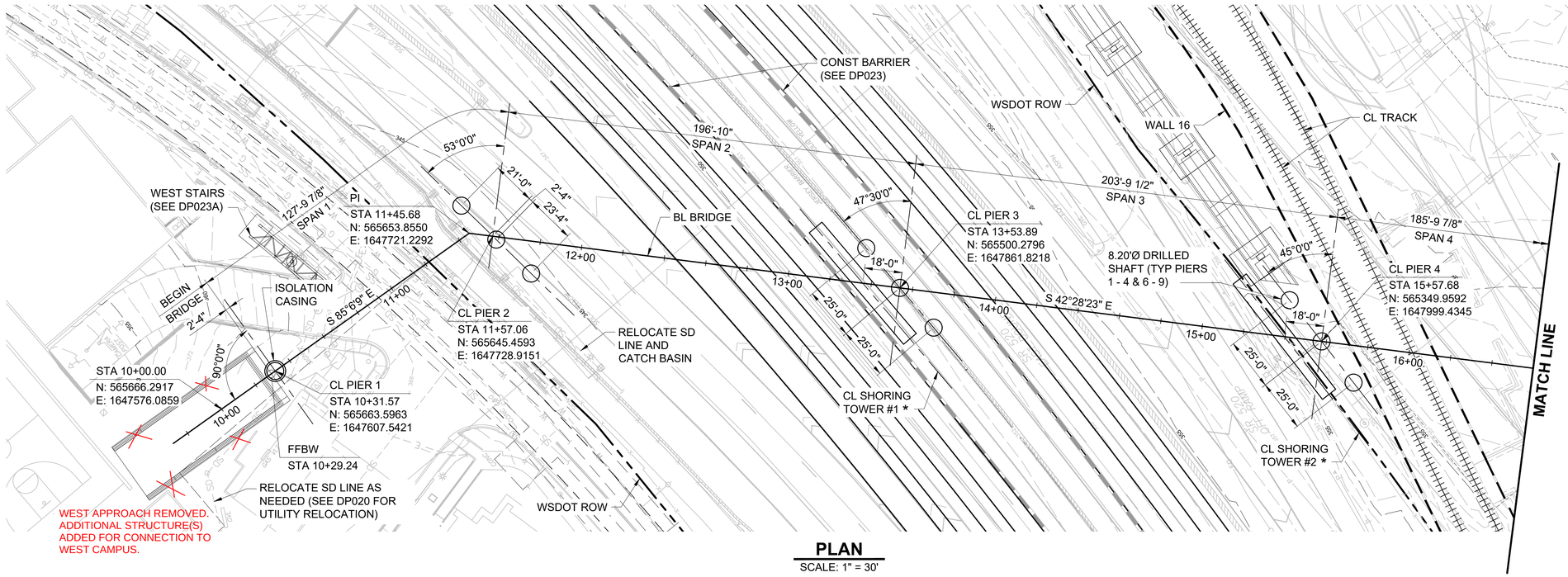
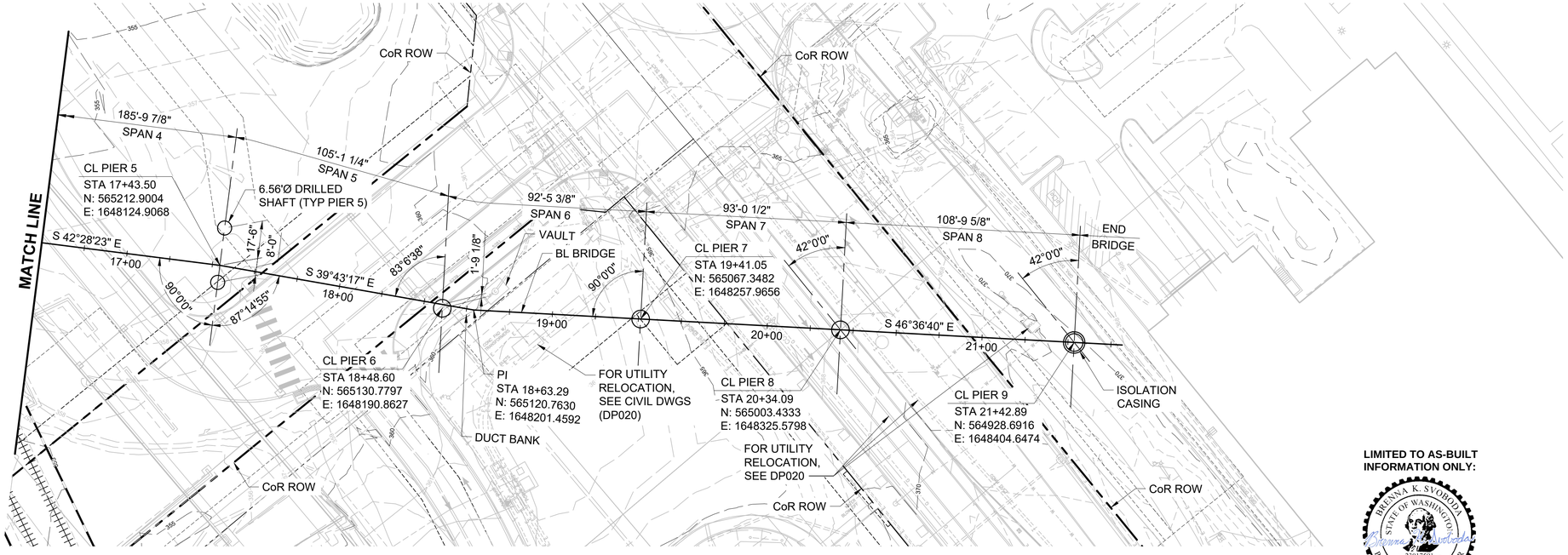


PLAN
SCALE: 1" = 30'



PLAN
SCALE: 1" = 30'

NOTES:

1. SPAN LENGTHS ARE MEASURED ALONG BASELINE BRIDGE.
* 2. FOR SHORING TOWER FOUNDATION, SEE TEMP WORKING PACKAGE.
3. PER SURVEY RESULTS, ALL DRILLED SHAFT NORTHING AND EASTINGS HAVE BEEN CHECKED AND NO DEVIATIONS MEET THE 0.5' THRESHOLD REQUIRED TO BE REDLINED (PER THE 2020 REDMOND RECORD DRAWING REQUIREMENTS).

DRILLED SHAFT LOCATIONS FOR MULTI-COLUMN PIERS

DS No.	NORTHING	EASTING
2L	565666.3635	1647726.9122
2C	565643.1366	1647729.1377
2R	565619.9096	1647731.3631
3L	565525.2796	1647861.8336
3C	565500.2796	1647861.8218
3R	565475.2796	1647861.8100
4L	565374.9349	1648000.5368
4C	565349.9592	1647999.4345
4R	565324.9835	1647998.3322
5L	565224.7171	1648137.8147
5R	565207.4984	1648119.0060

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

30 15 0 30 60
SCALE IN FEET

DESIGN PACKAGE DP021

IFC SUBMITTAL

No.	DATE	DSN	CHK	APP	REVISION
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

SULKRE J. DESPRADEL — STATE OF WASHINGTON — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
8/28/2019 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN | DATE: 08/23/19

Kiewit — SINCE 1ST ISSUE
REVIEWED BY: T. KRAUPA | DATE: 08/23/19

LINE IS 1" AT FULL SCALE

CityofRedmond — INCORPORATED

SCALE: 1" = 30'
FILENAME: 014-B27-SFP100
SUBMITTAL DATE: 08/23/19

RTS PEDESTRIAN BRIDGE

FOUNDATION PLAN

DRAWING No.: **B27-SFP100**
FACILITY ID: B27
SHEET No.: 14 | REV: 0

RECORD DRAWING #23-2099

08/28/19 | 3:50 PM | DIETRICH.HENDERSON
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XREF LIST:
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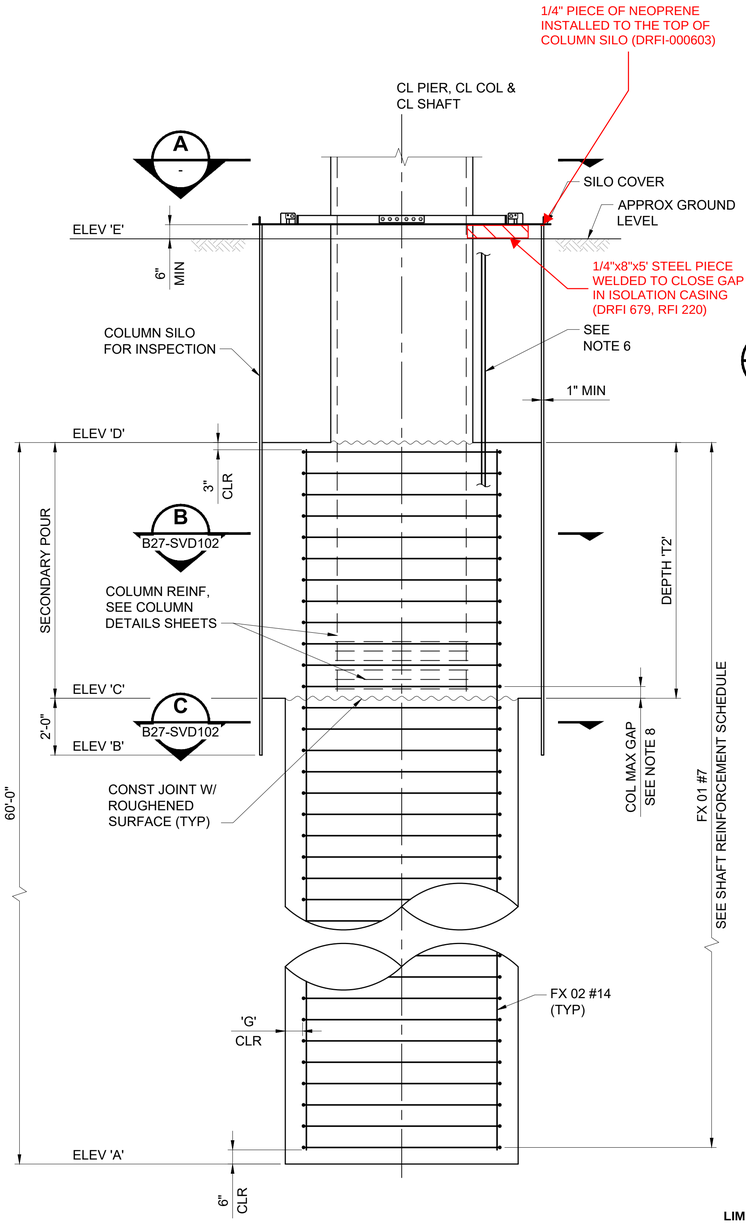
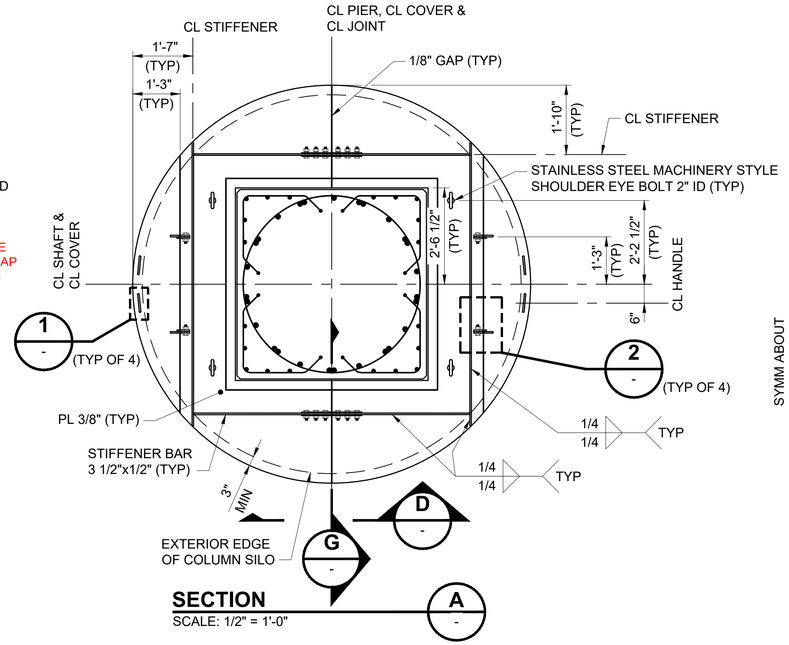


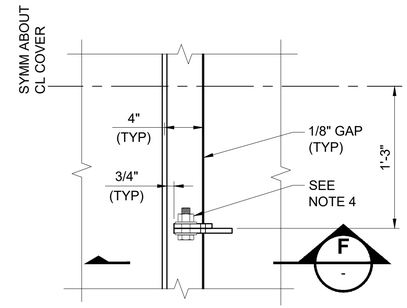
ELEVATION 8.20'Ø (ISOLATION CASING)

SCALE: 3/8" = 1'-0"
(PIERS 1 & 9 SHOWN)



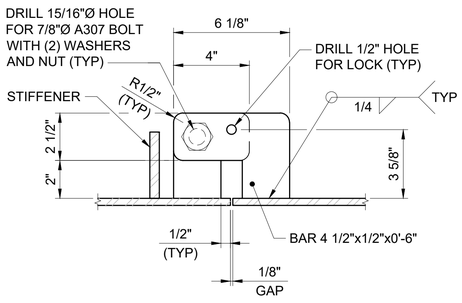
SECTION

SCALE: 1/2" = 1'-0"



DETAIL 2

SCALE: 1 1/2" = 1'-0"

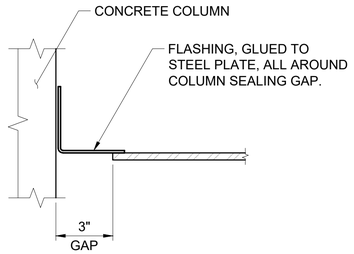


SECTION F

SCALE: 3" = 1'-0"

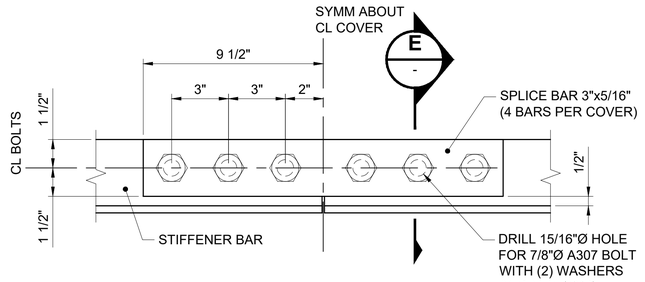
NOTES:

1. FOR DRILLED SHAFT ELEVATIONS AND DIMENSIONS NOT SHOWN, SEE DWG B27-SVD103.
2. BEFORE COVER PLATE FABRICATION, THE CONTRACTOR SHALL FIELD MEASURE THE LOCATION OF THE COLUMN RELATIVE TO THE LOCATION OF THE SHAFT AND MODIFY THE COLUMN SILO COVER DETAILS TO PROVIDE THE MINIMUM OVERHANG BEYOND THE COLUMN SILO.
3. INSTALL NUT SO THAT HATCH OPENS FREELY. TACK-WELD NUT TO BOLT.
4. COLUMN SILO SHALL BE UNCOATED AND CONFORM TO ASTM ~~A252~~ A656 (FDC -000021) GRADE 1 AND WSDOT STANDARD SPECIFICATIONS, SECTION 9-36.1. INSTALLATION PROCEDURES SHALL BE SUBMITTED TO ENGINEER OF RECORD FOR APPROVAL.
5. MINIMUM CASING THICKNESS IS SUFFICIENT FOR STRUCTURAL DESIGN REQUIREMENTS IN FINAL CONDITION. CONTRACTOR TO VERIFY THICKNESS IS SUFFICIENT FOR TRANSPORTATION AND INSTALLATION.
6. CSL TUBES SHALL BE INSTALLED IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION SECTION 6-19.3(6)B.
7. COVER PLATE AND ACCESS HATCHES SHALL BE PAINTED IN ACCORDANCE WITH STANDARD SECTION 6-07.3(9).
8. COL MAX GAP REFERS TO THEORETICAL ELEVATIONS IN ADDITION TO TOLERANCES ALLOWED PER THE CONSTRUCTION SPECIFICATIONS.



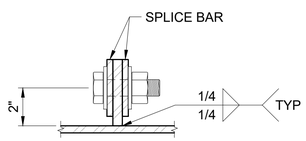
SECTION G

SCALE: 3" = 1'-0"



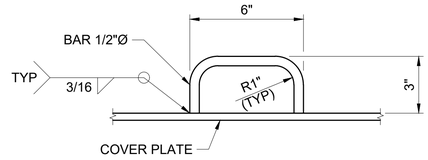
VIEW D

SCALE: 3" = 1'-0"



SECTION E

SCALE: 3" = 1'-0"



DETAIL 1

SCALE: 3" = 1'-0"

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP021

IFC SUBMITTAL

No.	DATE	DSN	CHK	APP	REVISION
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: D. HENDERSON
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

SIGNATURE J. DESPRADEL — STATE OF WASHINGTON — 24082 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
8/28/2019 EXP. 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 08/23/19

Kiewit
REVIEWED BY: T. KRAUPA
DATE: 08/23/19

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON
SUBMITTAL DATE: 08/23/19

SCALE: AS NOTED
FILENAME: 015-B27-SVD100

RTS PEDESTRIAN BRIDGE

DRILLED SHAFT DETAILS
SHEET 1 OF 4

DRAWING No.: B27-SVD100
FACILITY ID: B27
SHEET No.: 15
REV: 0

RECORD DRAWING #23-2100

08/28/19 | 3:50 PM | DIETRICH.HENDERSON
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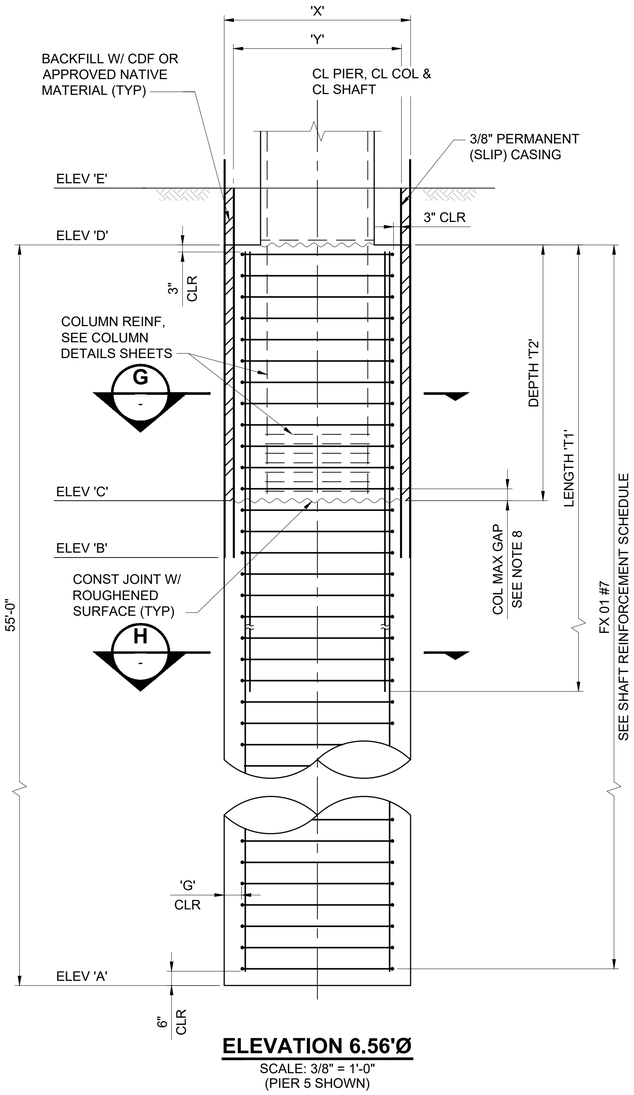
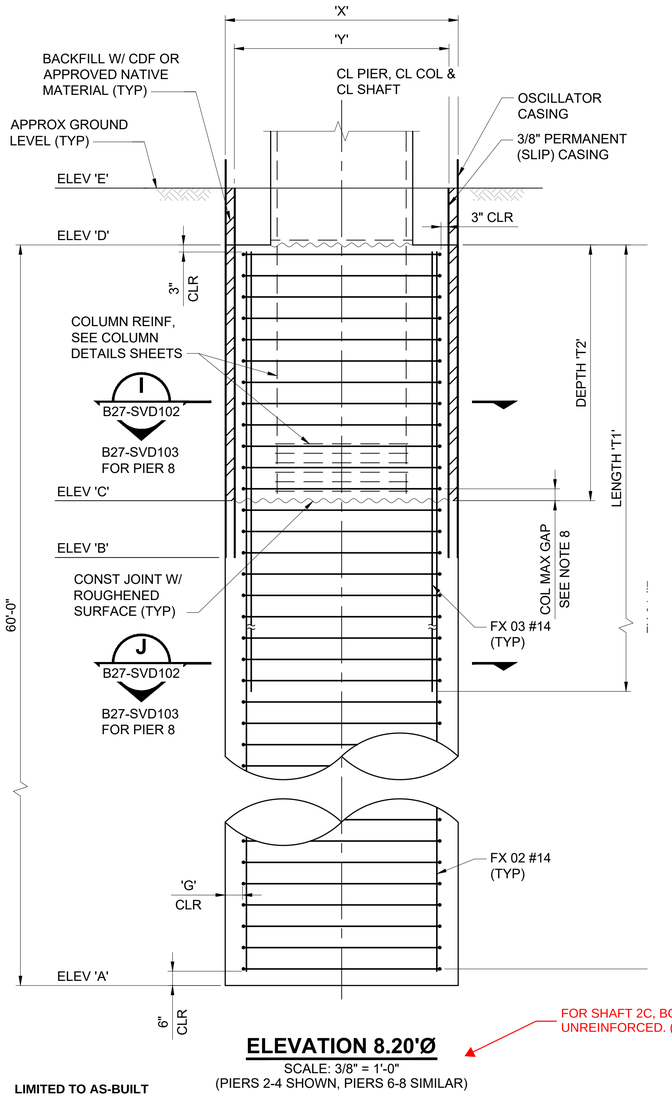
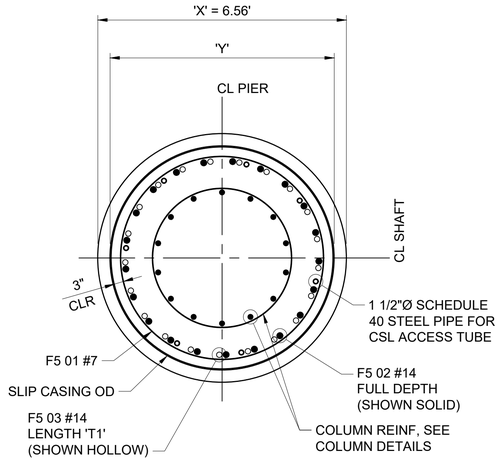


ELEVATION 6.56'Ø
SCALE: 3/8" = 1'-0"
(PIER 5 SHOWN)

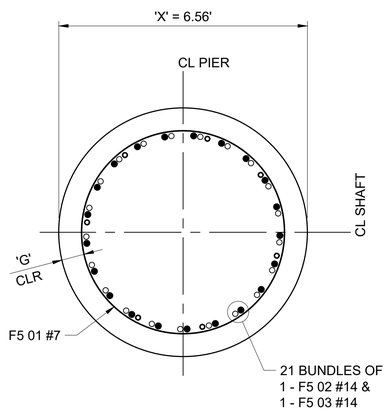


ELEVATION 8.20'Ø
SCALE: 3/8" = 1'-0"
(PIERS 2-4 SHOWN, PIERS 6-8 SIMILAR)

FOR SHAFT 2C, BOTTOM 1'-0" IS UNREINFORCED. (NCR-000001)



SECTION G -
SCALE: 1/2" = 1'-0"
(PIER 5 SHOWN)



SECTION H -
SCALE: 1/2" = 1'-0"
(PIER 5 SHOWN)

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017590 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP021

IFC SUBMITTAL

No.	DATE	DSN	CHK	APP	REVISION
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: D. HENDERSON
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

SHUKRE J. DESPRADEL — STATE OF WASHINGTON — 20008 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
8/28/2019 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 08/23/19

Kiewit — SINCE 1884
REVIEWED BY: T. KRAUPA
DATE: 08/23/19

LINE IS 1" AT FULL SCALE

CityofRedmond — WASHINGTON
SUBMITTAL DATE: 08/23/19

SCALE: AS NOTED
FILENAME: 016-B27-SVD101

RTS PEDESTRIAN BRIDGE

DRILLED SHAFT DETAILS
SHEET 2 OF 4

DRAWING No.: **B27-SVD101**
FACILITY ID: B27
SHEET No.: 16
REV: 0

RECORD DRAWING #23-2101

08/28/19 | 3:50 PM | DIETRICH.HENDERSON
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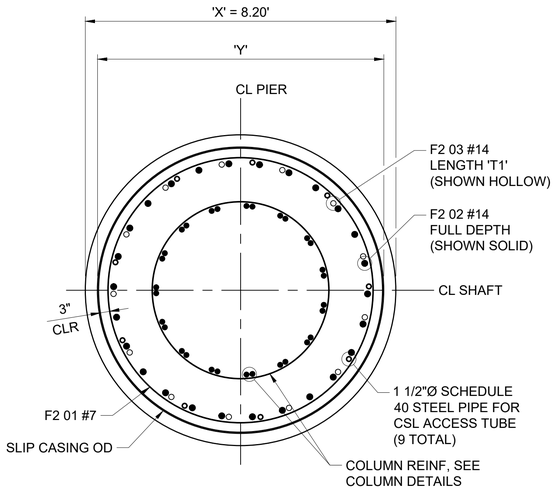
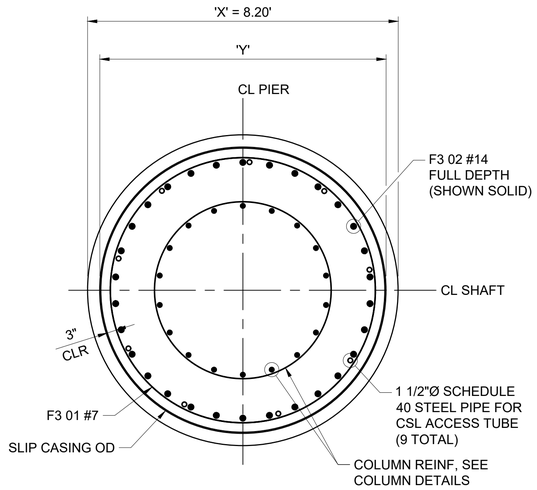
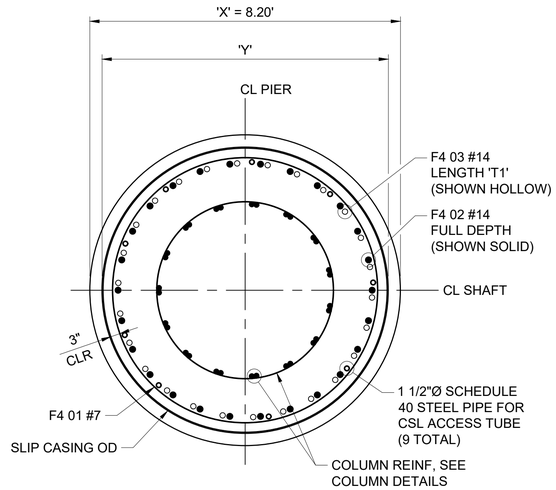
XREF LIST:
xE360-GB-TB22x34.dwg



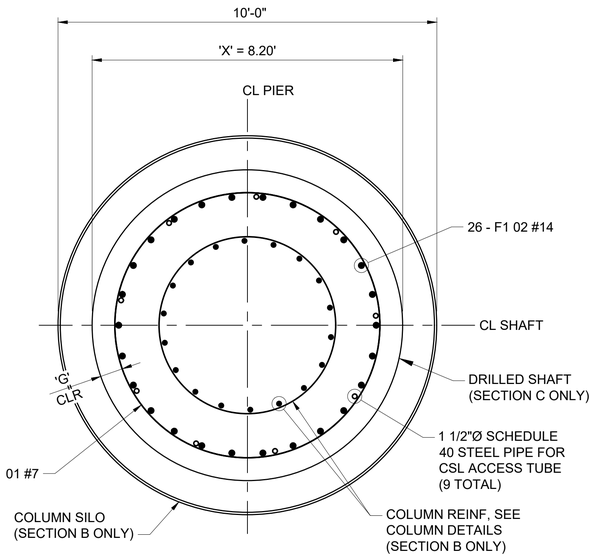
SECTION I
SCALE: 1/2" = 1'-0" B27-SVD101
(PIER 2 SHOWN)



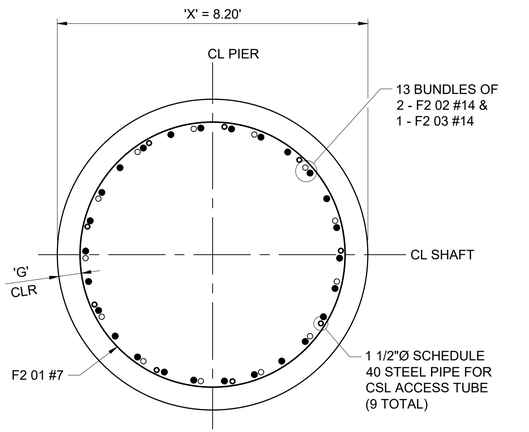
SECTION I
SCALE: 1/2" = 1'-0" B27-SVD101
(SHOWN WITH PIER 9 COLUMN
REINFORCEMENT)



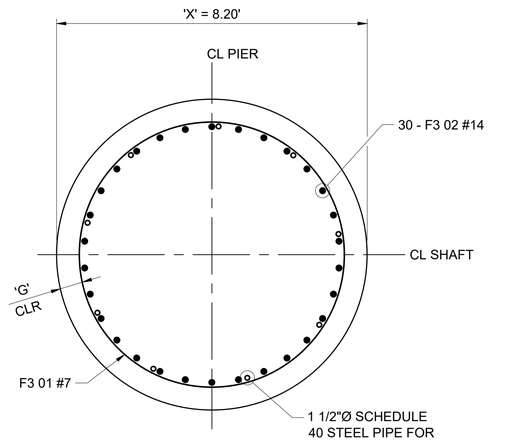
SECTION I
SCALE: 1/2" = 1'-0" B27-SVD101
(PIER 4 SHOWN)



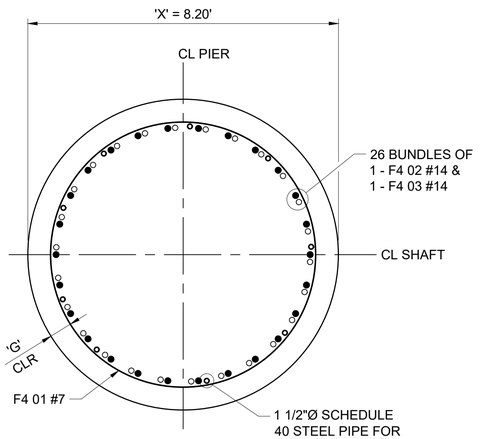
SECTION B
SCALE: 1/2" = 1'-0" B27-SVD100
(SHOWN WITH PIER 1 COLUMN
REINFORCEMENT, PIERS 6 & 7 VARY)



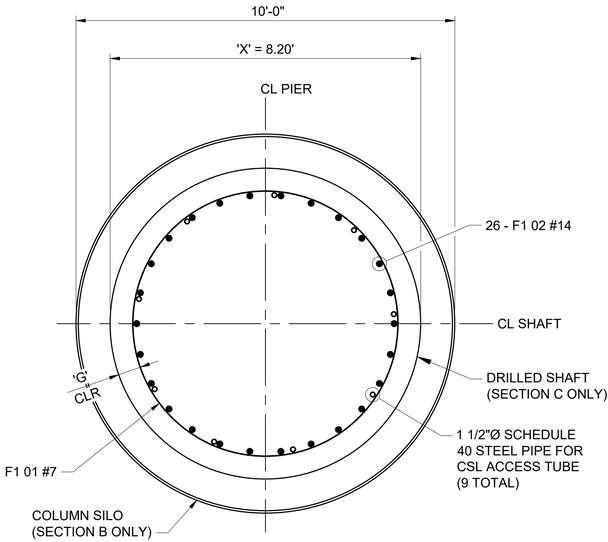
SECTION J
SCALE: 1/2" = 1'-0" B27-SVD101
(PIER 2 SHOWN)



SECTION J
SCALE: 1/2" = 1'-0" B27-SVD101
(SHOWN WITH PIER 9 COLUMN
REINFORCEMENT)



SECTION J
SCALE: 1/2" = 1'-0" B27-SVD101
(PIERS 3 & 4 SHOWN)



SECTION C
SCALE: 1/2" = 1'-0" B27-SVD100
(SHOWN WITH PIER 1 COLUMN
REINFORCEMENT, PIERS 6 & 7 VARY)

DESIGN PACKAGE DP021

IFC SUBMITTAL

No.	DATE	DSN	CHK	APP	REVISION
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: D. HENDERSON
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

LUKRE J. DESPRADEL — STATE OF WASHINGTON — 22500 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
8/28/2019 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 08/23/19

Kiewit — SINCE 1884
REVIEWED BY: T. KRAUPA
DATE: 08/23/19

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON
SCALE: 1/2" = 1'-0"
FILENAME: 017-B27-SVD102
SUBMITTAL DATE: 08/23/19

RTS PEDESTRIAN BRIDGE

DRILLED SHAFT DETAILS
SHEET 3 OF 4

DRAWING No.: B27-SVD102
FACILITY ID: B27
SHEET No.: 17 REV: 0

RECORD DRAWING #23-2102

08/28/19 | 3:50 PM | DIETRICH.HENDERSON
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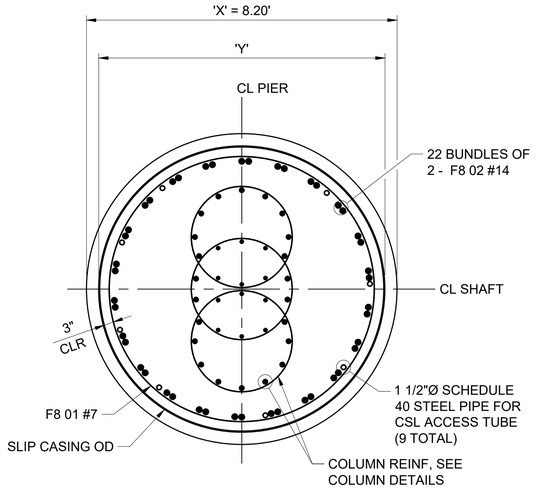
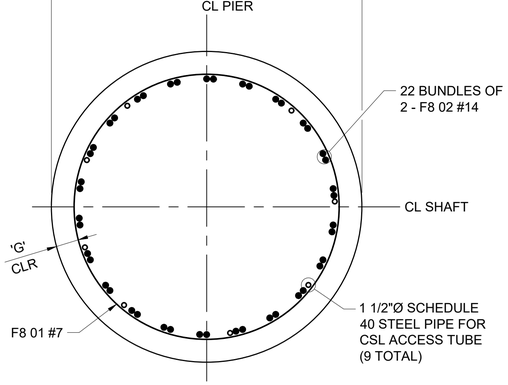
XREF LIST:
xE360-GB-TB22x34.dwg



SECTION I B27-SVD103
SCALE: 1/2" = 1'-0"
(PIER 8 SHOWN)



SECTION J B27-SVD103
SCALE: 1/2" = 1'-0"
(PIER 8 SHOWN)

DRILLED SHAFT TABLE

PIER No.	SHAFT LOCATION	ELEV 'A'	ELEV 'B'	ELEV 'C'	ELEV 'D'	ELEV 'E'	SHAFT SIZE 'X' [ft]	SLIP CASING SIZE (OD) 'Y' [ft]	DIM 'G' [in]	LENGTH 'T1' [ft]	DEPTH 'T2' [ft]	COL MAX GAP [in]	SHAFT REBAR CAGE OD [ft]
1	CENTER	~~293.16~~	342.91	~~344.91~~	353.16	368.16	8.20	N/A	7.25	N/A	8.25	3.0	6.99
2	LEFT	~~282.38~~	332.13	334.13	~~342.38~~	344.38	8.20	7.556	7.25	45.00	8.25	3.0	6.99
	CENTER	~~282.38~~	332.13	334.13	~~342.38~~	344.38	8.20	7.556	7.25	45.00	8.25	3.0	6.99
	RIGHT	~~282.38~~	332.13	334.13	~~342.38~~	344.38	8.20	7.556	7.25	45.00	8.25	3.0	6.99
3	LEFT	~~289.36~~	339.11	~~341.11~~	349.36	351.36	8.20	7.556	7.25	50.00	8.25	3.0	6.99
	CENTER	~~289.36~~	339.11	~~341.11~~	349.36	351.36	8.20	7.556	7.25	50.00	8.25	3.0	6.99
	RIGHT	~~289.36~~	339.11	~~341.11~~	349.36	351.36	8.20	7.556	7.25	50.00	8.25	3.0	6.99
4	LEFT	~~292.45~~	342.20	~~344.20~~	~~352.45~~	354.45	8.20	7.556	7.25	50.00	8.25	3.0	6.99
	CENTER	~~292.45~~	342.20	~~344.20~~	~~352.45~~	354.45	8.20	7.556	7.25	50.00	8.25	3.0	6.99
	RIGHT	~~292.45~~	342.20	~~344.20~~	~~352.45~~	354.45	8.20	7.556	7.25	50.00	8.25	3.0	6.99
5	LEFT	~~301.19~~	345.94	~~347.94~~	356.19	358.19	6.56	5.916	7.25	45.00	8.25	3.0	5.35
	RIGHT	~~301.19~~	345.94	~~347.94~~	356.19	358.19	6.56	5.916	7.25	45.00	8.25	3.0	5.35
6	CENTER	~~297.11~~	348.11	~~350.11~~	357.11	359.11	8.20	7.556	7.25	N/A	7.00	6.0	6.99
7	CENTER	~~301.24~~	352.24	~~354.24~~	361.24	363.24	8.20	7.556	7.25	N/A	7.00	6.0	6.99
8	CENTER	~~306.63~~	357.63	~~359.63~~	366.63	368.63	8.20	7.556	7.25	N/A	7.00	6.0	6.99
9	CENTER	~~300.44~~	350.19	~~352.19~~	360.44	370.44	8.20	N/A	7.25	N/A	8.25	3.0	6.99

AS-BUILT DRILLED SHAFT ELEVATIONS

PIER No.	SHAFT LOCATION	ELEV 'A'	ELEV 'C'	ELEV 'D'
1	CENTER	292.60	344.66	-
2	LEFT	280.40	-	342.13
	CENTER	281.60	-	342.13
	RIGHT	281.00	-	342.13
3	LEFT	288.20	340.86	-
	CENTER	288.40	340.86	-
	RIGHT	289.00	340.86	-
4	LEFT	291.50	343.95	354.13
	CENTER	292.00	343.95	352.99
	RIGHT	291.20	343.95	352.91
5	LEFT	300.09	347.69	-
	RIGHT	300.24	347.68	-
6	CENTER	295.90	349.86	-
7	CENTER	299.40	353.99	-
8	CENTER	305.70	359.38	-
9	CENTER	299.80	351.94	-

INFO PULLED FROM: DSUB-000024, 25, 26, 34, 37, 39, 42, 43, NCR-000004, IDR-00038, 45, 52, REP-00033, 35, 55, 62, 65, 68, 78, 83, 87, 95, 102, 109, 120, AND 164

SHAFT REINFORCEMENT SCHEDULE

PIER No.	FX 01 #7 EL, 'D' TO 'C'	FX 01 #7 EL, 'C' TO 'T1'	FX 01 #7 'T1' TO EL, 'A'	FX 02 #14	FX 03 #14
1	@ 8"	@ 9"	@ 9"	26	N/A
2	@ 4"	@ 7"	@ 9"	26	13
3	@ 4"	@ 6"	@ 6"	26	26
4	@ 4"	@ 6"	@ 6"	26	26
5	@ 6"	@ 6"	@ 6"	21	21
6	@ 5"	@ 8"	@ 9"	26	N/A
7	@ 5"	@ 8"	@ 9"	26	N/A
8	@ 5"	@ 8"	@ 8"	44	N/A
9	@ 8"	@ 9"	@ 9"	30	N/A

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP021

IFC SUBMITTAL

No.	DATE	DSN	CHK	APP	REVISION
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: D. HENDERSON
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

SHUKRI J. DESPRADEL — STATE OF WASHINGTON — 20360 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
8/28/2019 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 08/23/19

Kiewit
REVIEWED BY: T. KRAUPA
DATE: 08/23/19

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON
SUBMITTAL DATE: 08/23/19

SCALE: 1/2" = 1'-0"
FILENAME: 018-B27-SVD103

RTS PEDESTRIAN BRIDGE

DRILLED SHAFT DETAILS
SHEET 4 OF 4

DRAWING No.: B27-SVD103
FACILITY ID: B27
SHEET No.: 18
REV: 0

RECORD DRAWING #23-2103

08/28/19 | 3:50 PM | DIETRICH.HENDERSON
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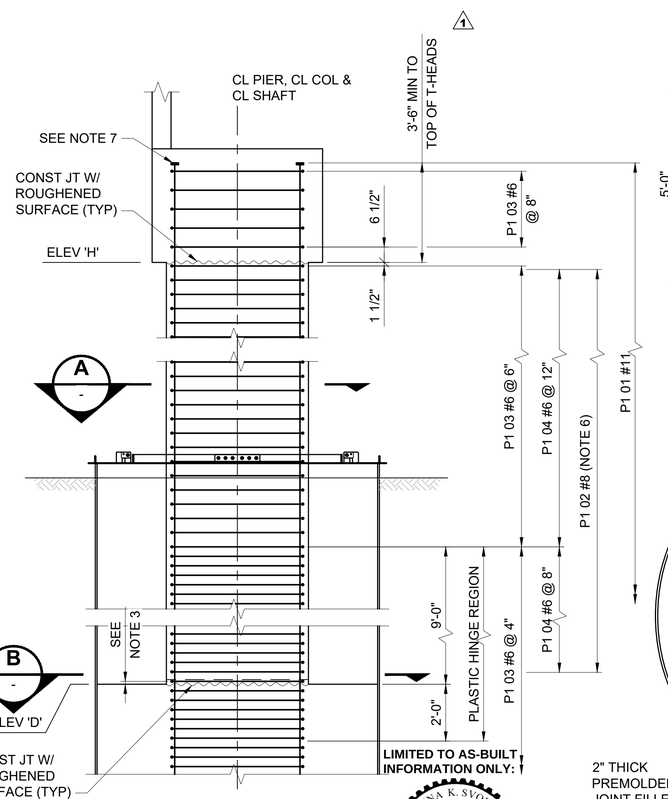
XREF LIST:
xE360-GB-TB22x34.dwg

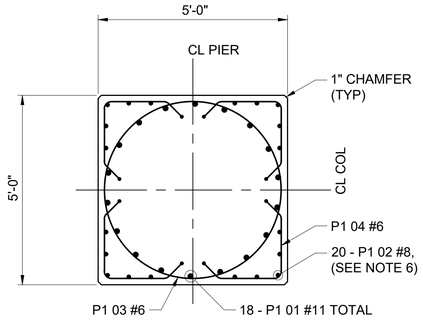
NOTE:
FOR COLUMN NOTES, SEE DRAWING B27-SHD103.

COLUMN TABLE

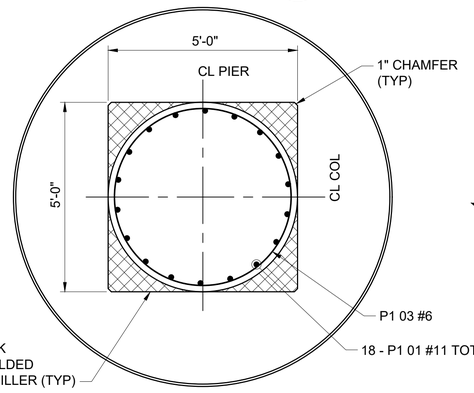
PIER No.	COLUMN LOCATION	COLUMN SIZE	ELEV 'H'	PX 01	PX 02
1	CENTER	5'x5'	375.60	18 - #11	20 - #8
2	LEFT	5'x5'	375.00 1	30 - #11	20 - #8
	CENTER	5'x5'	375.25	30 - #11	20 - #8
	RIGHT	5'x5'	375.50	30 - #11	20 - #8
3	LEFT	5'x5'	379.31	30 - #11	20 - #8
	CENTER	5'x5'	379.31	30 - #11	20 - #8
	RIGHT	5'x5'	379.31	30 - #11	20 - #8
4	LEFT	5'x5'	377.70	30 - #11	20 - #8
	CENTER	5'x5'	377.52	30 - #11	20 - #8
	RIGHT	5'x5'	377.34 1	30 - #11	20 - #8
5	LEFT	4'x4'	374.05	14 - #11	12 - #6
	RIGHT	4'x4'	374.05	14 - #11	12 - #6
6	CENTER	3'x5.75' OBLONG	382.70	22 - #8	12 - #6
7	CENTER	3'x5.75' OBLONG	384.15	22 - #8	12 - #6
8	CENTER	3'x5.75' OBLONG	385.28	22 - #8	12 - #6
9	CENTER	5'x5'	379.90 1 2	18 - #11	20 - #8



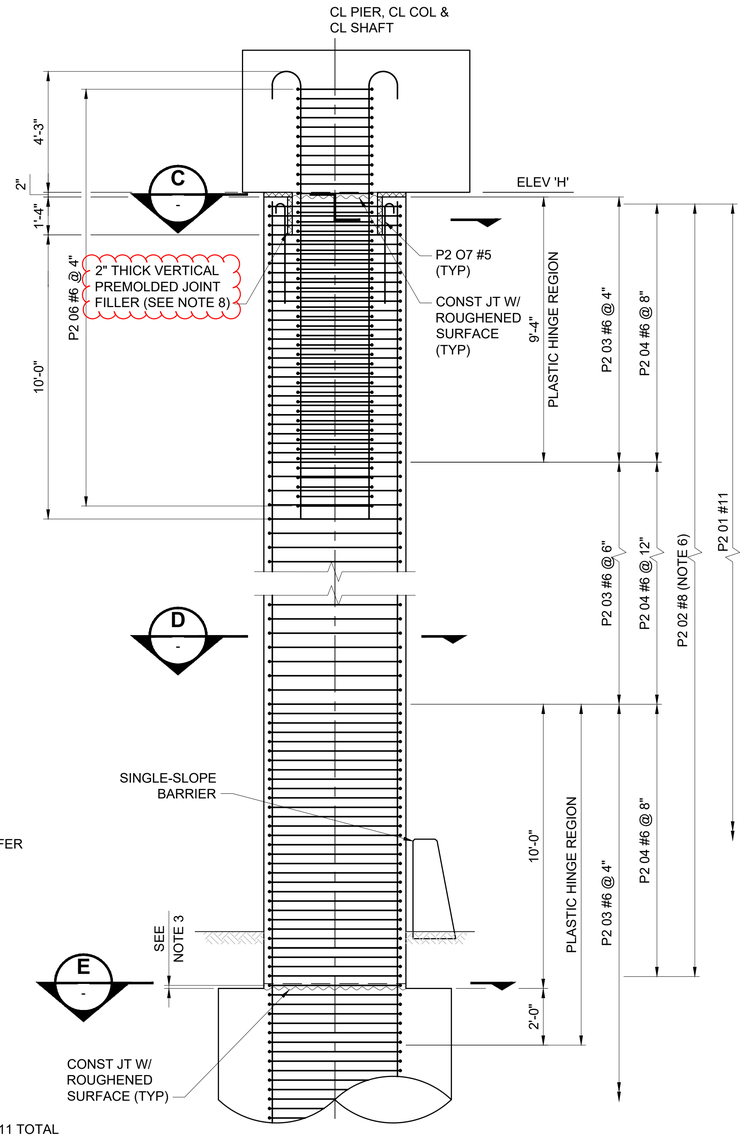
COLUMN ELEVATION PIER 1
SCALE: 3/8" = 1'-0"



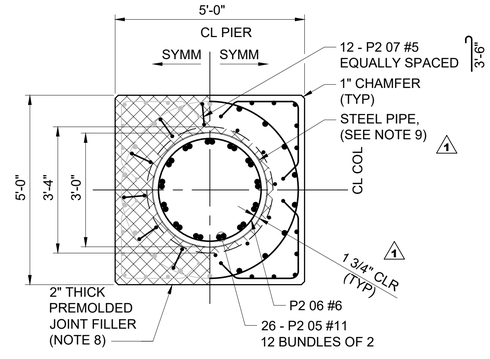
SECTION A
SCALE: 1/2" = 1'-0"



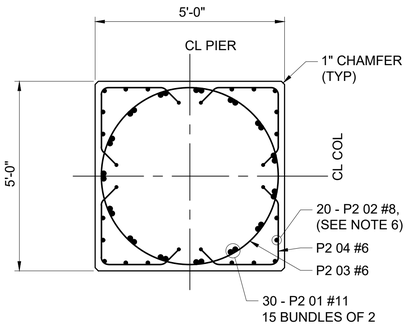
SECTION B
SCALE: 1/2" = 1'-0"



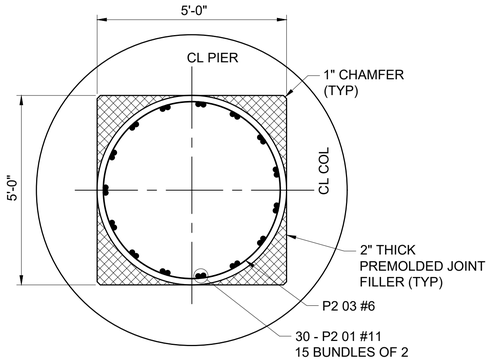
COLUMN ELEVATION PIER 2
SCALE: 3/8" = 1'-0"



SECTION C
SCALE: 1/2" = 1'-0"
SYMMETRIC ABOUT CL PIER



SECTION D
SCALE: 1/2" = 1'-0"



SECTION E
SCALE: 1/2" = 1'-0"

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
2	02/12/20	SJD	KF	SJD	NDC-000009 - GIRDER BEARING REVISIONS
1	10/11/19	SJD	KF	SJD	NDC-000002 - COLUMN ELEVATION UPDATE
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: D. HENDERSON
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

LUKRE J. DESPRADEL — STATE OF WASHINGTON — 24208 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
2/12/20 EXP: 03/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/19

Kiewit — SINCE 1931
LINE IS 1" AT FULL SCALE
CityofRedmond WASHINGTON

SCALE: AS NOTED
FILENAME: 019-B27-SHD100

RTS PEDESTRIAN BRIDGE

COLUMN DETAILS
SHEET 1 OF 4

DRAWING No.: **B27-SHD100**
FACILITY ID: B27
SHEET No.: 19
REV: 2

02/11/20 | 7:54 PM | ALYSSA SOLIZ
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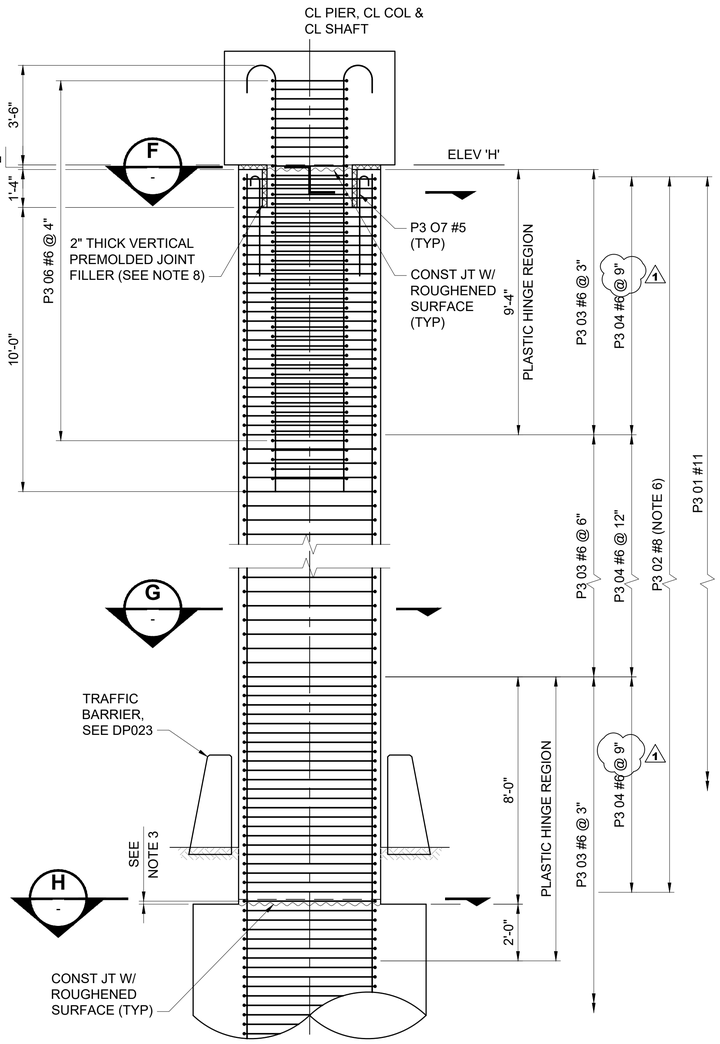
RECORD DRAWING #23-2104

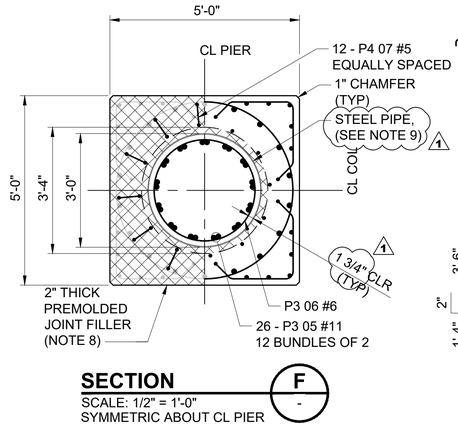
XREF LIST:
xE360-GB-TB22x34.dwg

NOTE:
FOR COLUMN NOTES, SEE DRAWING B27-SHD103.



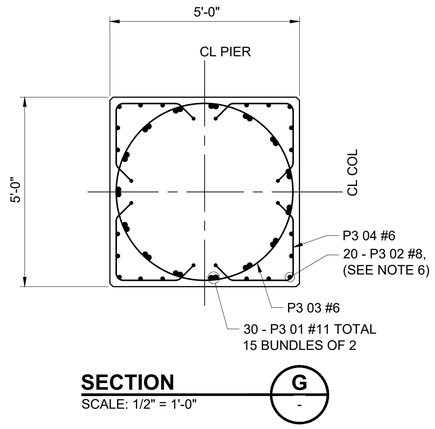
COLUMN ELEVATION PIER 3

SCALE: 3/8" = 1'-0"



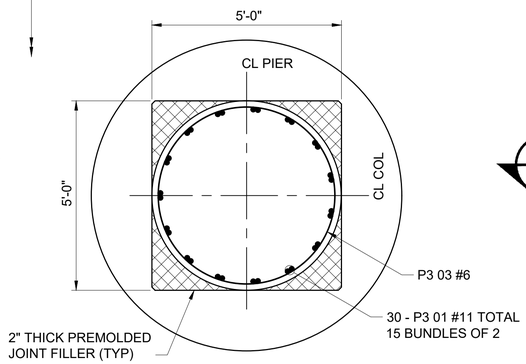
SECTION F

SCALE: 1/2" = 1'-0"
SYMMETRIC ABOUT CL PIER



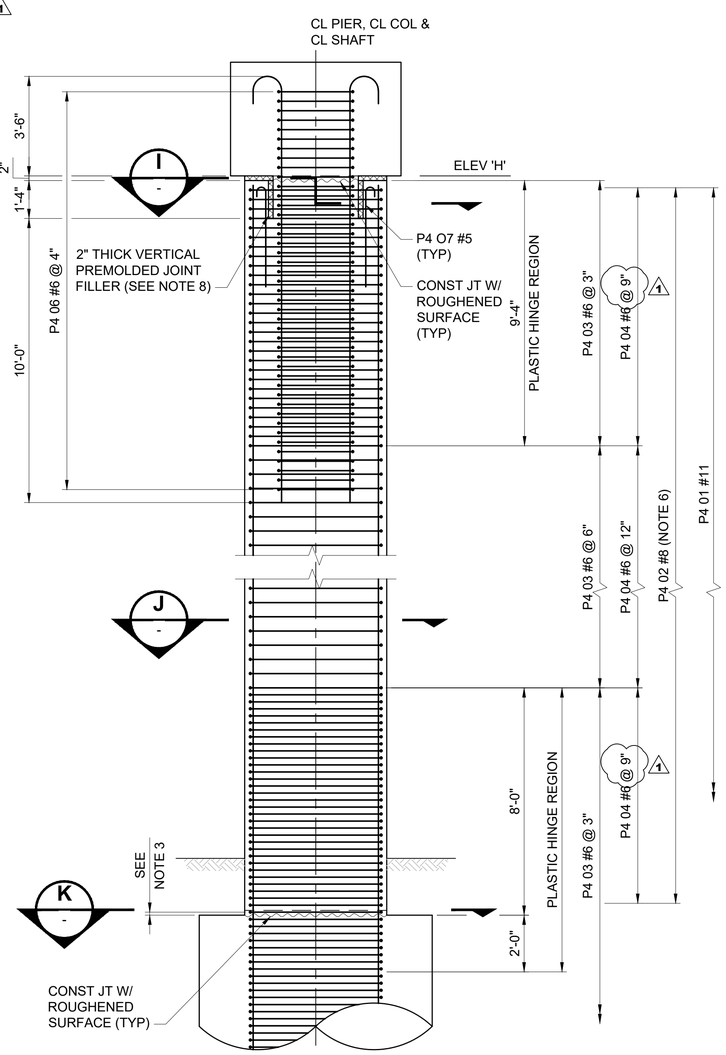
SECTION G

SCALE: 1/2" = 1'-0"



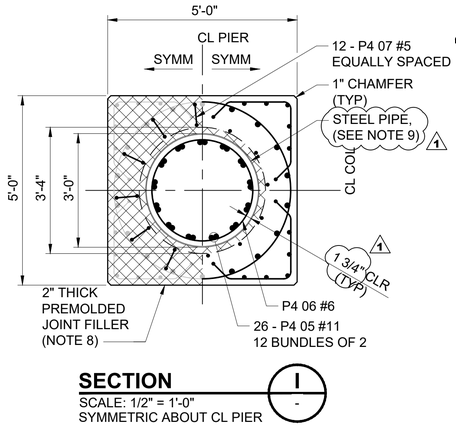
SECTION H

SCALE: 1/2" = 1'-0"



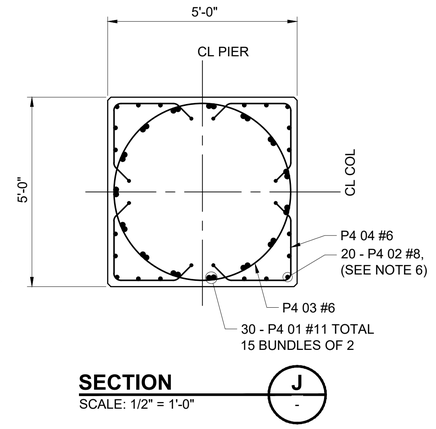
COLUMN ELEVATION PIER 4

SCALE: 3/8" = 1'-0"



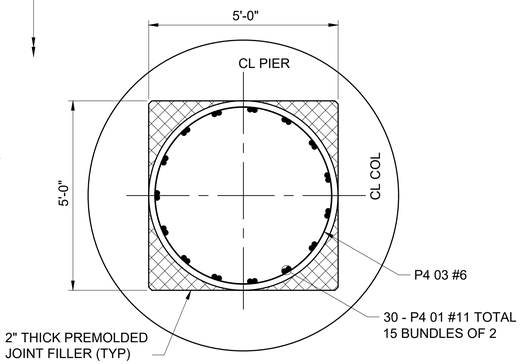
SECTION I

SCALE: 1/2" = 1'-0"
SYMMETRIC ABOUT CL PIER



SECTION J

SCALE: 1/2" = 1'-0"



SECTION K

SCALE: 1/2" = 1'-0"

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
1	10/11/19	SJD	KF	SJD	NDC-000002 - REVISED CORNER REINFORCEMENT
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: D. HENDERSON
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

SHUKRE J. DESPRADEL — STATE OF WASHINGTON — 20369 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
10-11-19 Exp: 3-15-21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 08/23/19

Kiewit — KIEWIT SINCE 1884
REVIEWED BY: T. KRAUPA
DATE: 08/23/19

LINE IS 1" AT FULL SCALE

CityofRedmond
SCALE: AS NOTED
FILENAME: 020-B27-SHD101
SUBMITTAL DATE: 08/23/19

RTS PEDESTRIAN BRIDGE

COLUMN DETAILS
SHEET 2 OF 4

DRAWING No.: B27-SHD101
FACILITY ID: B27
SHEET No.: 20
REV: 1

RECORD DRAWING #23-2105

10/10/19 | 1:20 PM | DIETRICH.HENDERSON
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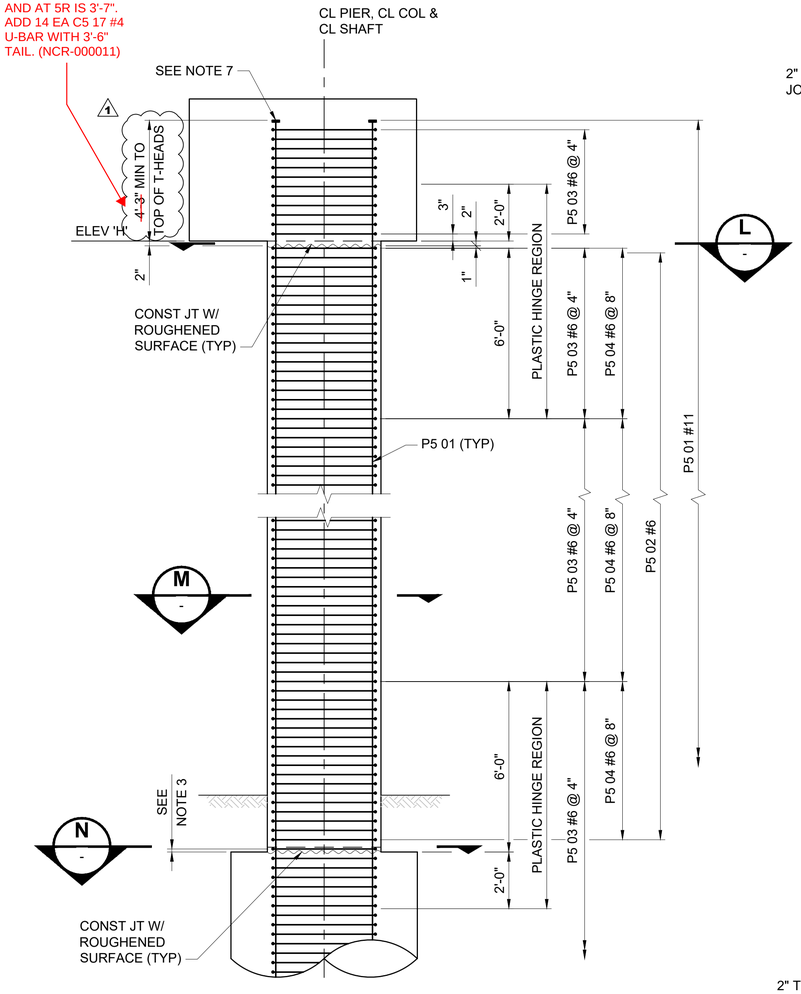
XREF LIST:
xE360-GB-TB22x34.dwg

NOTES:

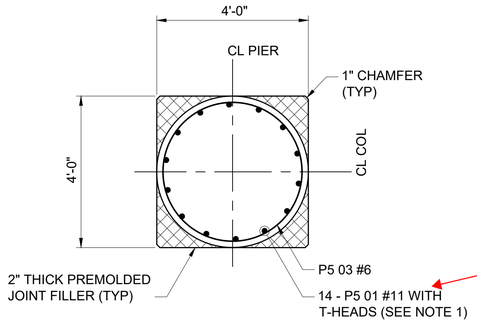
1. FOR COLUMN NOTES, SEE DRAWING B27-SHD103.

TAIL LENGTH AT 5L COLUMN IS 4'-0", AND AT 5R IS 3'-7". ADD 14 EA C5 17 #4 U-BAR WITH 3'-6" TAIL. (NCR-000011)



COLUMN ELEVATION PIER 5

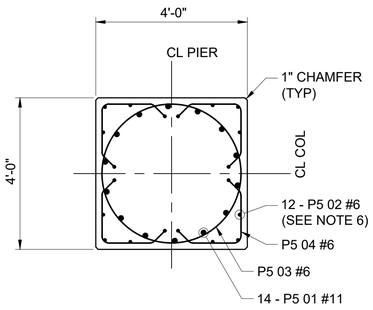
SCALE: 3/8" = 1'-0"



SECTION L

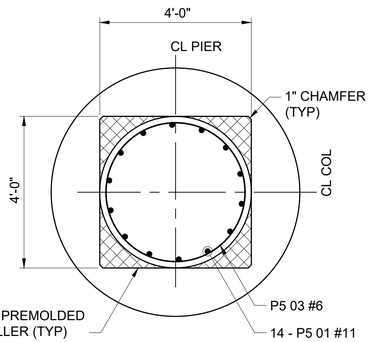
SCALE: 1/2" = 1'-0"

1 EA P5 01 #11 BAR SHIFTED FROM CONTRACT LOCATION. ADD #8 BAR TO PROVIDE LATERAL BRACING TO SPIRAL. (NCR-000008)



SECTION M

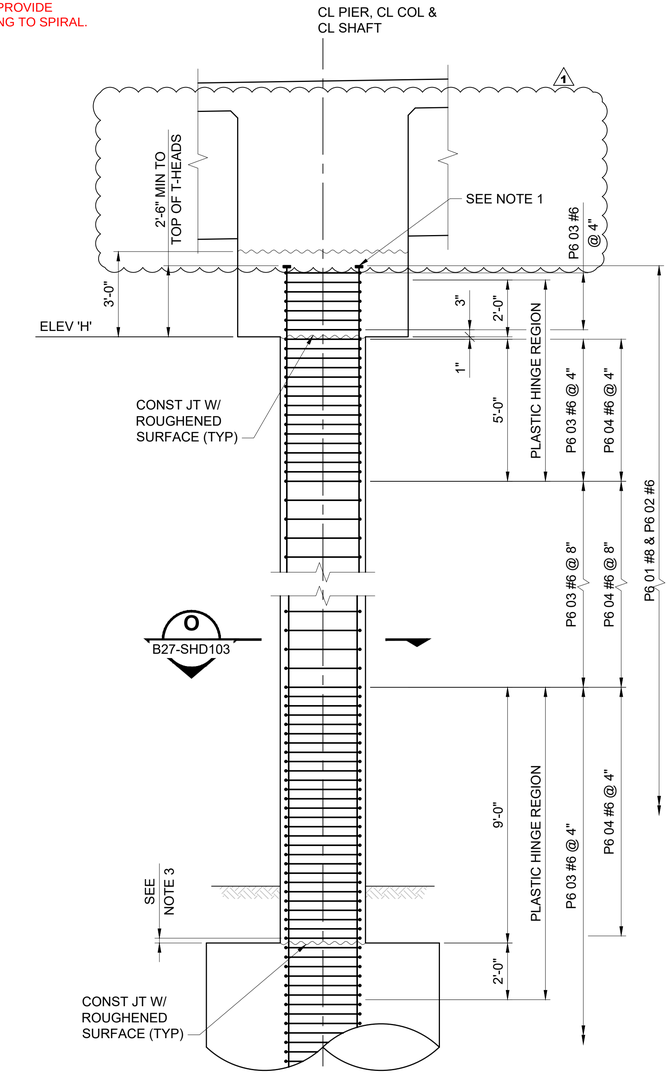
SCALE: 1/2" = 1'-0"



SECTION N

SCALE: 1/2" = 1'-0"

LIMITED TO AS-BUILT INFORMATION ONLY:



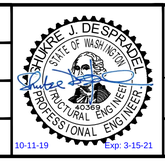
COLUMN ELEVATION PIER 6

SCALE: 3/8" = 1'-0"
(OBLONG COLUMN)

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
1	10/11/19	SJD	KF	SJD	NDC-000002 - REVISED UNIT 3 PIER DIAPHRAGMS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: D. HENDERSON
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL



Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 08/23/19

Kiewit
SINCE 1884

REVIEWED BY: T. KRAUPA
DATE: 08/23/19

LINE IS 1" AT FULL SCALE

CityofRedmond
WASHINGTON

SCALE: AS NOTED
FILENAME: 021-B27-SHD102
SUBMITTAL DATE: 08/23/19

RTS PEDESTRIAN BRIDGE

COLUMN DETAILS
SHEET 3 OF 4

DRAWING No.: **B27-SHD102**
FACILITY ID: B27
SHEET No.: 21
REV: 1

RECORD DRAWING #23-2106

10/10/19 | 1:20 PM | DIETRICH.HENDERSON
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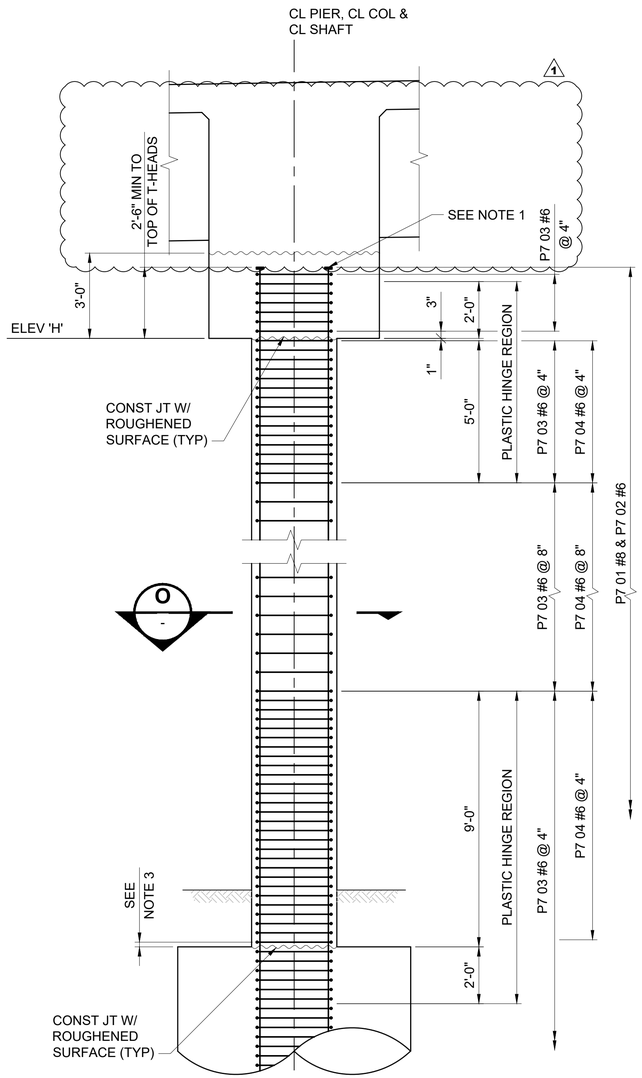
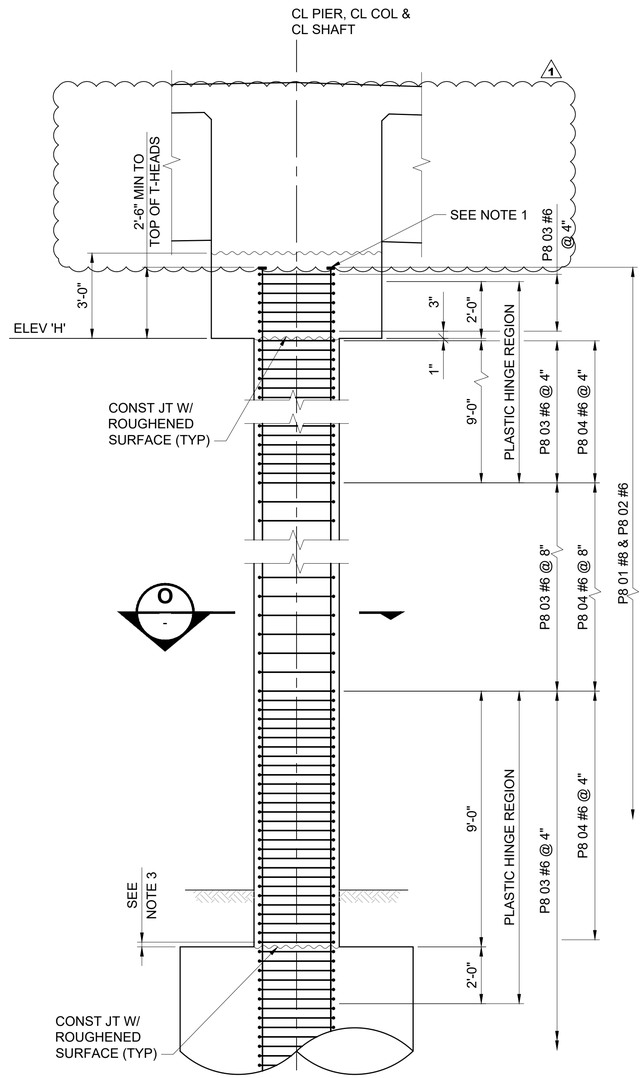
XREF LIST:
xE360-GB-TB22x34.dwg



COLUMN ELEVATION PIER 7

SCALE: 3/8" = 1'-0"
(OBLONG COLUMN)

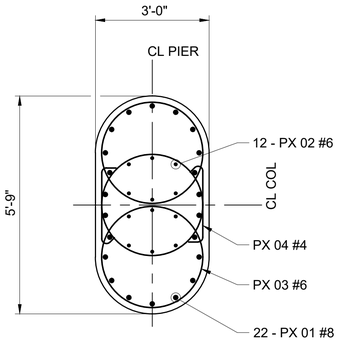


LIMITED TO AS-BUILT INFORMATION ONLY:

COLUMN ELEVATION PIER 8

SCALE: 3/8" = 1'-0"
(OBLONG COLUMN)

11. PER SURVEY RESULTS, ALL COLUMN NORTHING AND EASTINGS HAVE BEEN CHECKED AND NO DEVIATIONS MEET THE 0.5' THRESHOLD REQUIRED TO BE REDLINED (PER THE 2020 REDMOND RECORD DRAWING REQUIREMENTS).



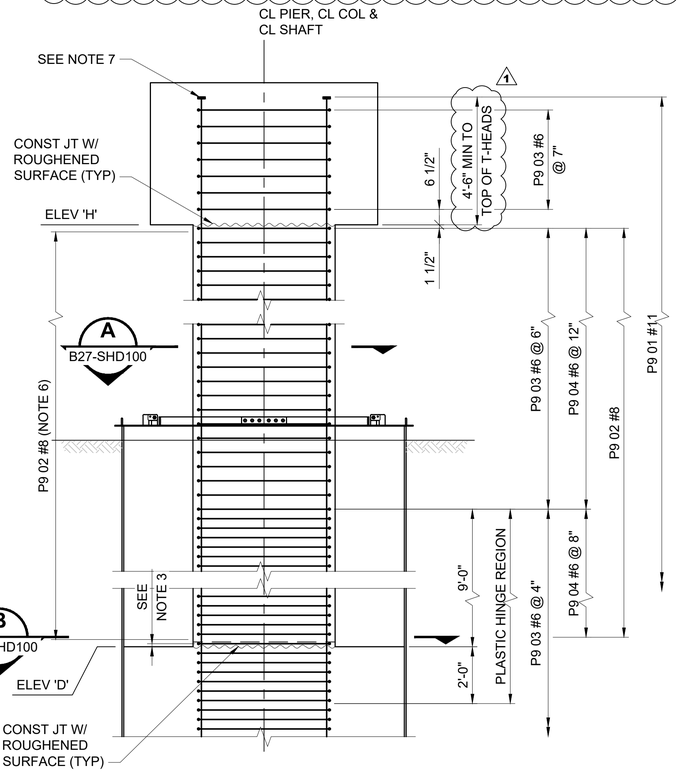
SECTION

SCALE: 1/2" = 1'-0"
(APPLIES TO PIERS 6 - 8)

O
B27-SHD102
B27-SHD103

NOTES:

1. USE HRC 555 HEADED REBAR, OR APPROVED EQUIVALENT.
2. HOOPS SHALL BE USED FOR TRANSVERSE REINFORCEMENT. ALL HOOPS SHALL BE BUTT-WELDED. STAGGER WELDS SO THAT NO ADJACENT WELDS ARE AT THE SAME LOCATION.
3. BOTTOM HOOP SHALL NOT BE MORE THAN HALF A TIE SPACING ABOVE THE TOP OF SHAFT.
4. NO SPLICES ALLOWED IN COLUMN VERTICAL REINFORCEMENT.
5. 'PX' REFERS TO MORE THAN ONE PIER.
6. VERTICAL SURFACE REINFORCEMENT SHALL TERMINATE 3" BELOW THE PREMOLDED JOINT FILLER AT TOP AND 3" ABOVE PREMOLDED JOINT FILLER AT BOTTOM.
7. USE HRC 555 HEADED REBAR, OR APPROVED EQUIVALENT.
8. REMOVE VERTICAL PREMOLDED JOINT FILLER PRIOR TO CASTING PIER CAPS 2 THROUGH 4. REMOVE HORIZONTAL PREMOLDED JOINT FILLER AFTER CASTING PIER CAPS 2 THROUGH 4
9. THE 3 FT DIAMETER MOMENT REDUCING CONNECTION AT PIERS 2 THROUGH 4 SHALL BE FORMED BY 36" O.D. x 1'-6" LONG GALVANIZED STEEL WITH A MINIMUM THICKNESS OF 1/4", WRAPPED AROUND WITH THE PREMOLDED JOINT FILLER AS SHOWN IN THE DRAWINGS. THE PIPE SHALL REMAIN IN PLACE AFTER CASTING FOR CORROSION PROTECTION. THE PIPE SHALL BE AN ASTM A36 PLATE ROLL-FORMED INTO SHAPE FORMING A SINGLE SEAM. SEAM SHALL BE FULL PENETRATION WELDED. ALTERNATIVE METHODS, OR MATERIALS SHALL BE APPROVED BY THE ENGINEER.
10. SEE DP023 ELECTRICAL DWGS FOR CAST IN PLACE INSERTS SUPPORTING ELECTRICAL EQUIPMENT ON COLUMNS. DRILLING IS NOT ALLOWED UNLESS APPROVED BY THE ENGINEER OF RECORD.



COLUMN ELEVATION PIER 9

SCALE: 3/8" = 1'-0"

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
1	10/11/19	SJD	KF	SJD	NDC-000002 - REVISED UNIT 3 PIER DIAPH'S & NOTES
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: D. HENDERSON
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

SHUKRE J. DESPRADEL — STATE OF WASHINGTON — 10-11-19 — Exp: 3-15-21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 08/23/19
REVIEWED BY: T. KRAUPA
DATE: 08/23/19
SUBMITTAL DATE: 08/23/19

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON

SCALE: AS NOTED
FILENAME: 022-B27-SHD103

RTS PEDESTRIAN BRIDGE

COLUMN DETAILS
SHEET 4 OF 4

DRAWING No.: **B27-SHD103**
FACILITY ID: B27
SHEET No.: 22
REV: 1

10/10/19 | 1:20 PM | DIETRICH.HENDERSON
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RECORD DRAWING #23-2107

XREF LIST:
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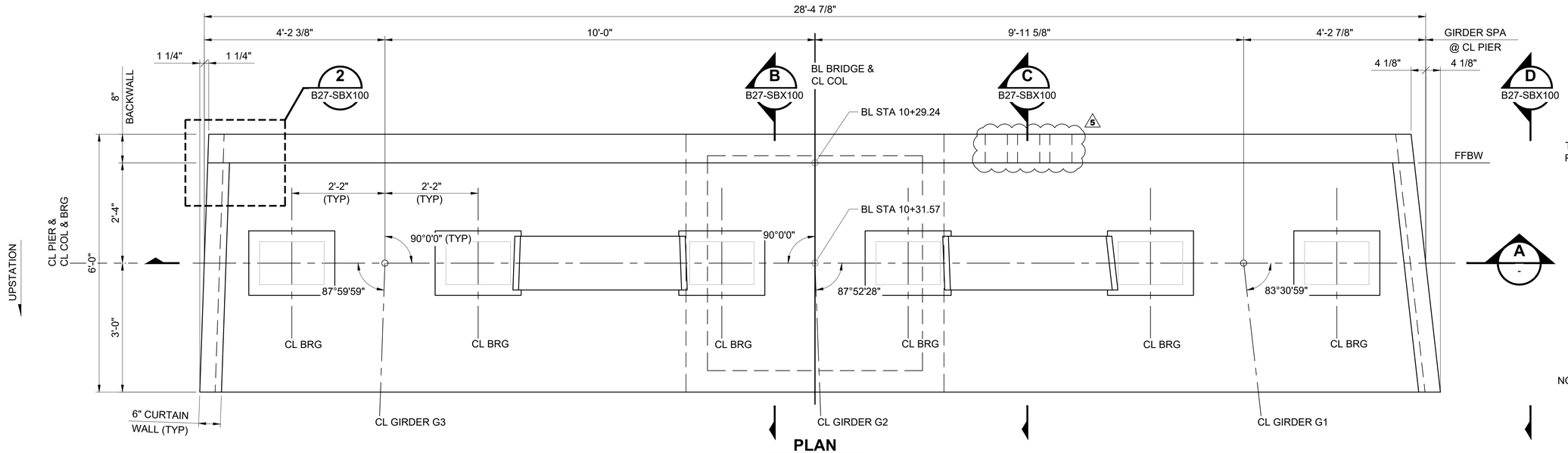
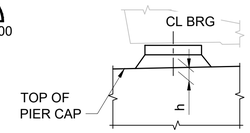
xE360-B27-SZX100.dwg



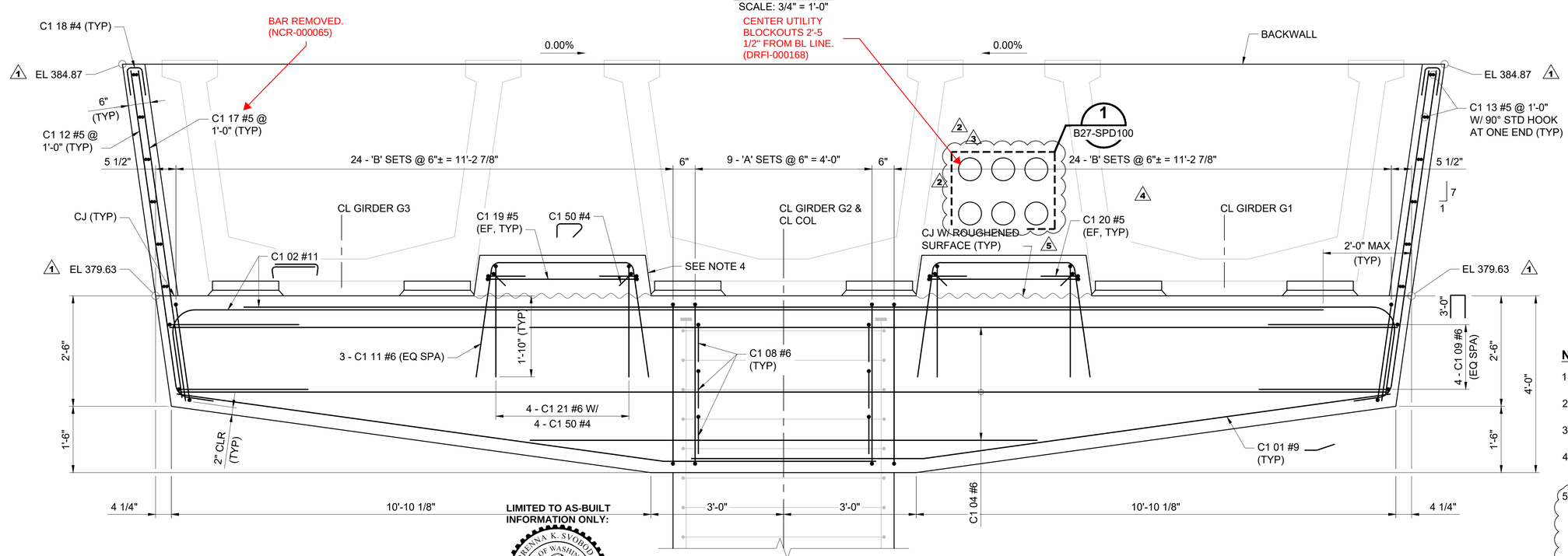
PLAN
SCALE: 3/4" = 1'-0"



GIRDER		h
G1	LT	1.85"
	RT	1.62"
G2	LT	1.80"
	RT	1.71"
G3	LT	1.69"
	RT	1.78"

2

NOTE: PLAN VIEW TAKEN AT TOP OF CAP, REINFORCEMENT NOT SHOWN FOR CLARITY



LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

ELEVATION
SCALE: 3/4" = 1'-0"
(LOOKING DOWNSTATION)

A
-

NOTES:

1. ONE 'A' SET INCLUDES: 4 - C1 07 #6, 1 - C1 06 #6, 3 - C1 08 #6 & 2 - C1 22 #4.
2. ONE 'B' SET INCLUDES: 2 - C1 05 #6 & 1 - C1 06 #6.
3. ELEVATIONS ARE GIVEN ALONG CENTER LINE OF THE PIER.
4. THE GIRDER STOP SHALL BE CAST WITH ELASTOMERIC PAD. SEE BEARING DETAILS.
5. MAXIMUM AGGREGATE SIZE IS 3/4". MIX DESIGN FOR THE BACKWALL SHALL CONSIDER THIS MAXIMUM AGGREGATE SIZE. SPECIAL CARE SHALL BE TAKEN TO ENSURE GOOD CONCRETE CONSOLIDATION AT THE UTILITY SLEEVES.

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
5	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVES
4	04/17/20	SJD	KF	SJD	NDC-000015 - UPSIZE FO SLEEVES
3	04/01/20	SJD	KF	SJD	NDC-000014 - REMOVED DRAIN PENETRATION
2	02/12/20	SJD	KF	SJD	NDC-000009 - GIRDER BEARING REVISIONS
1	10/11/19	SJD	KF	SJD	NDC-000002 - PIER CAP ELEVATION UPDATE
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: D. HENDERSON
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

LUKRE J. DESPRADEL — STATE OF WASHINGTON — 40360 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
9/11/20 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 11/04/19

Kiewit — KIEWIT INFRASTRUCTURE SOUTH CO.
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON
SCALE: 3/4" = 1'-0"
FILENAME: 023-B27-SBP100
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

PIER 1 PLAN AND ELEVATION

DRAWING No.: B27-SBP100
FACILITY ID: B27
SHEET No.: 23
REV: 5

RECORD DRAWING #23-2108

09/10/20 | 7:53 AM | ALYSSA.SOLIZ
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XREF LIST:
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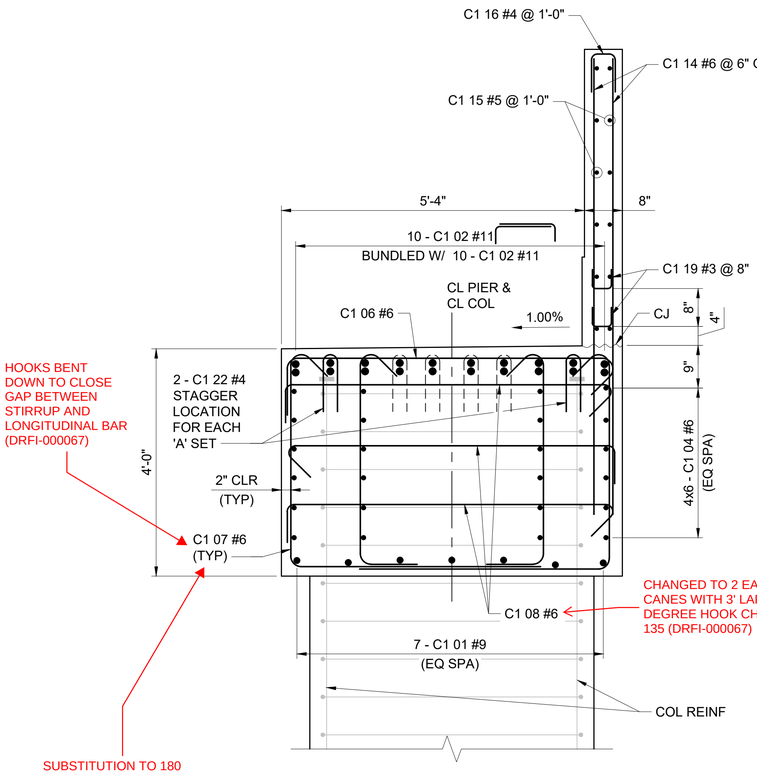
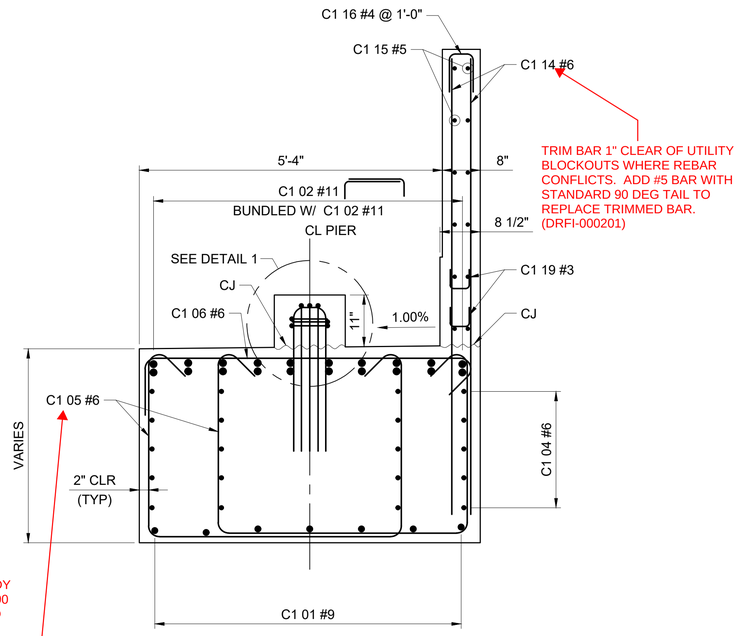
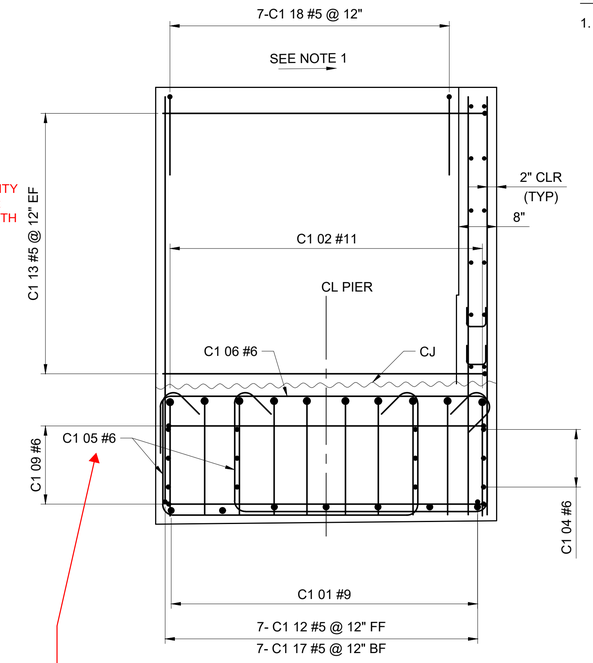
xE360-B27-SZK100.dwg



SECTION B — SCALE: 3/4" = 1'-0" ('A' SETS SHOWN) — B27-SBP100



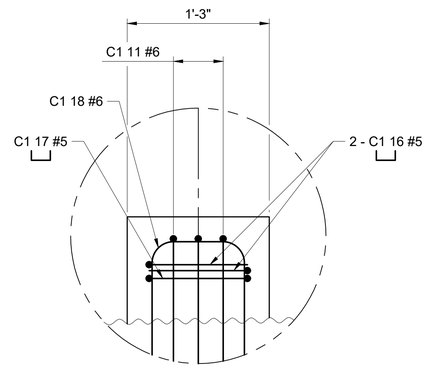
SECTION C — SCALE: 3/4" = 1'-0" ('B' SETS SHOWN) — B27-SBP100



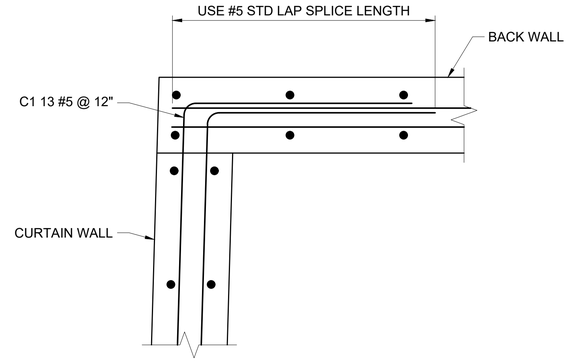
SECTION D — SCALE: 3/4" = 1'-0" ('B' SETS SHOWN) — B27-SBP100

NOTES:

1. THE SLOPE OF THE CURTAIN WALL SHALL MATCH THE LONGITUDINAL SLOPE SHOWN ON DRAWING B27-SZK100.



DETAIL 1 — SCALE: 1 1/2" = 1'-0" — -



DETAIL 2 — SCALE: 1 1/2" = 1'-0" — B27-SBP100

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP021

IFC SUBMITTAL

No.	DATE	DSN	CHK	APP	REVISION
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: D. HENDERSON
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

SHUKRE J. DESPRADEL — STATE OF WASHINGTON — 23034 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER — 8/28/2019 — EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN | DATE: 08/23/19

Kiewit — KIEWIT INFRASTRUCTURE WEST CO. EST. 1884

REVIEWED BY: T. KRAUPA | DATE: 08/23/19

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON

SCALE: AS NOTED
FILENAME: 024-B27-SBX100

SUBMITTAL DATE: 08/23/19

RTS PEDESTRIAN BRIDGE

PIER 1 SECTIONS AND DETAILS

DRAWING No.: **B27-SBX100**
FACILITY ID: B27
SHEET No.: 24
REV: 0

RECORD DRAWING #23-2109

08/28/19 | 3:51 PM | DIETRICH.HENDERSON
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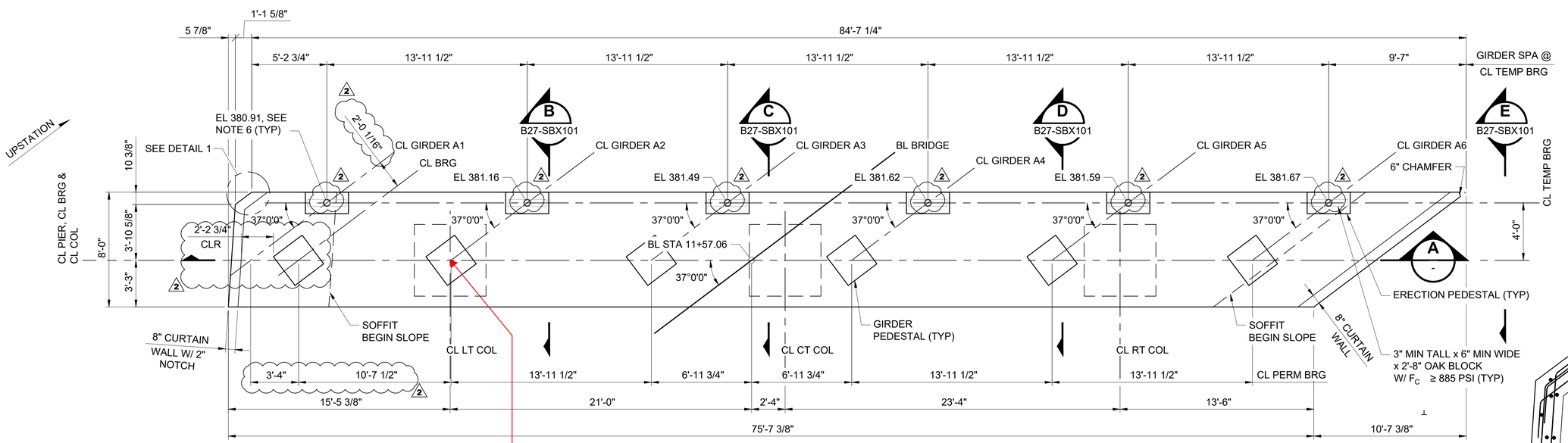
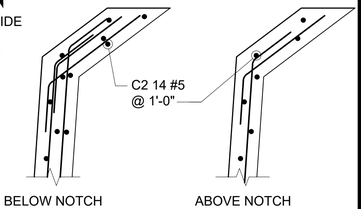
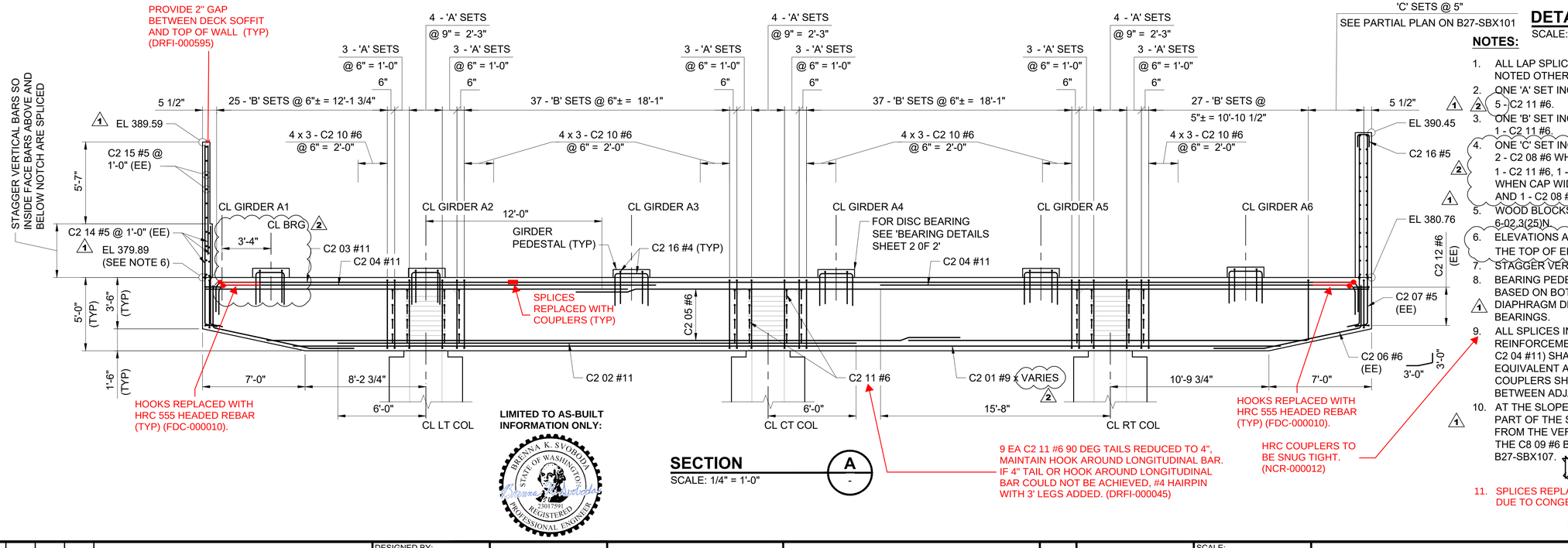
XREF LIST:
xE360-GB-TB22x34.dwg

NOTE: PLAN VIEW TAKEN AT TOP OF CAP, SLAB REINFORCEMENT NOT SHOWN FOR CLARITY



PLAN
SCALE: 1/4" = 1'-0"





SECTION
SCALE: 1/4" = 1'-0"

A -

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

DETAIL
SCALE: 3/4" = 1'-0"

1 -

NOTES:

1. ALL LAP SPLICES SHALL BE STAGGERED UNLESS NOTED OTHERWISE.
2. ONE 'A' SET INCLUDES: 2 - C2 09 #6, 5 - C2 10 #6 & 5 - C2 11 #6.
3. ONE 'B' SET INCLUDES: 2 - C2 08 #6, 1 - C2 13 #4 & 1 - C2 11 #6.
4. ONE 'C' SET INCLUDES: 1 - C2 11 #6, 1 - C2 13 #4, AND 2 - C2 08 #6 WHEN CAP WIDTH IS BETWEEN 6' TO 8'; OR 1 - C2 11 #6, 1 - C2 13 #4, 1 - C2 08 #6, AND 1 - C2 10 #6 WHEN CAP WIDTH IS BETWEEN 4' TO 6'; OR 1 - C2 11 #6 AND 1 - C2 08 #6 WHEN CAP WIDTH IS LESS THAN 4'.
5. WOOD BLOCKS SHALL CONFORM TO STD SPEC. 6-02.3(25)N.
6. ELEVATIONS ARE GIVEN ALONG CENTER LINE OF THE TOP OF ERECTION PEDESTAL.
7. STAGGER VERTICAL BARS IN CURTAIN WALL @ 6" O.C.
8. BEARING PEDESTAL HEIGHTS SHALL BE DETERMINED BASED ON BOTTOM OF GIRDER ELEVATIONS, DIAPHRAGM DETAILS AND HEIGHT OF FINAL BEARINGS.
9. ALL SPLICES IN THE LONGITUDINAL MAIN REINFORCEMENT (C2 01 #9, C2 02 #11, C2 03 #11 AND C2 04 #11) SHALL USE HRC 500 COUPLERS, OR EQUIVALENT APPROVED BY THE ENGINEER. THE COUPLERS SHALL BE STAGGERED BY AT LEAST 5 FT BETWEEN ADJACENT BARS.
10. AT THE SLOPED SOFFIT THE BOTTOM HORIZONTAL PART OF THE STIRRUP C2 08 #6 MAY BE SPLIT UP FROM THE VERTICAL PARTS IN A SIMILAR MANNER AS THE C8 09 #6 BAR IN SECTION C OF DRAWING B27-SBX107.
11. SPLICES REPLACED WITH COUPLERS FOR DUE TO CONGESTION OF REBAR (TYPICAL).

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
2	02/12/20	SJD	KF	SJD	NDC-000009 - GIRDER BEARING REVISIONS
1	10/11/19	SJD	KF	SJD	NDC-000002 - PIER CAP ELEVATION UPDATE
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

LUKRE J. DESPRADEL — STATE OF WASHINGTON — 23036 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
2/12/20 EXP: 03/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN

Kiewit — KIEWIT SINCE 1884
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond
SCALE: AS NOTED
FILENAME: 025-B27-SBP101
SUBMITTAL DATE: 11/04/19

RTS PEDESTRIAN BRIDGE

PIER 2 PLAN AND ELEVATION

DRAWING No.: B27-SBP101
FACILITY ID: B27
SHEET No.: 25
REV: 2

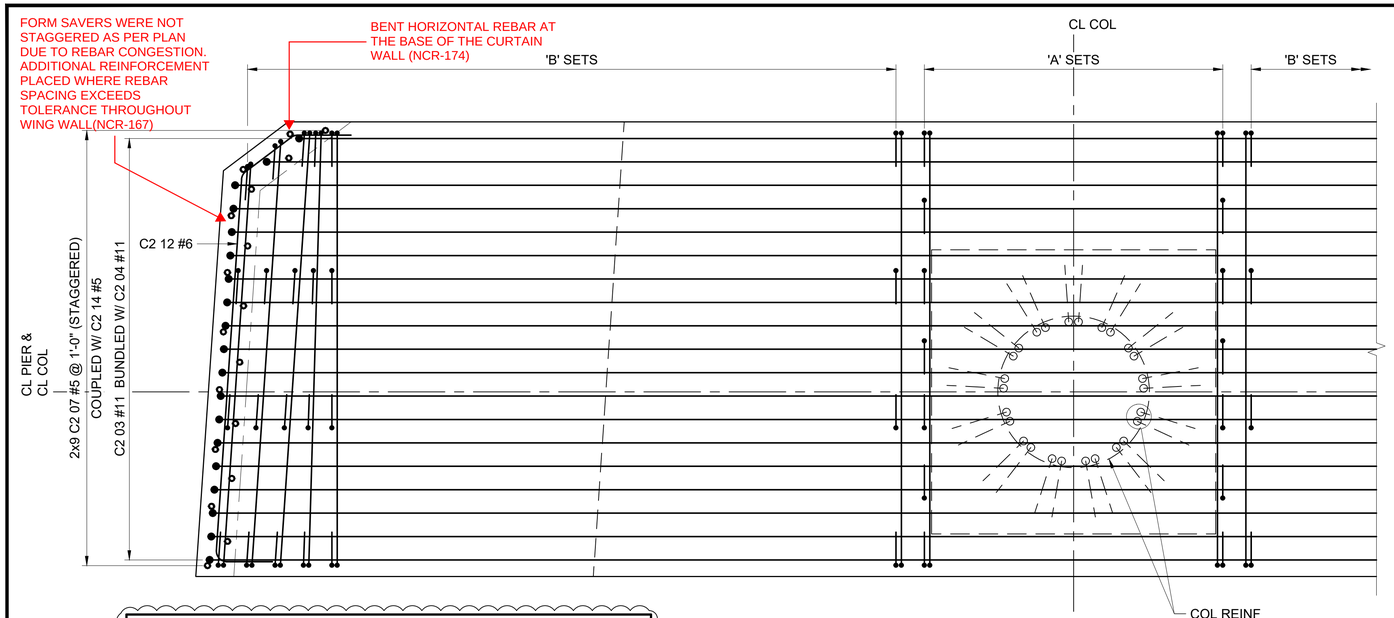
RECORD DRAWING #23-2110

02/11/20 | 8:10 PM | ALYSSA.SOLIZ
C:\PROJECTWISE\KIEWISE\D0625510\025-B27-SBP101.DWG

XREF LIST:
xE360-GB-TB22x34.dwg

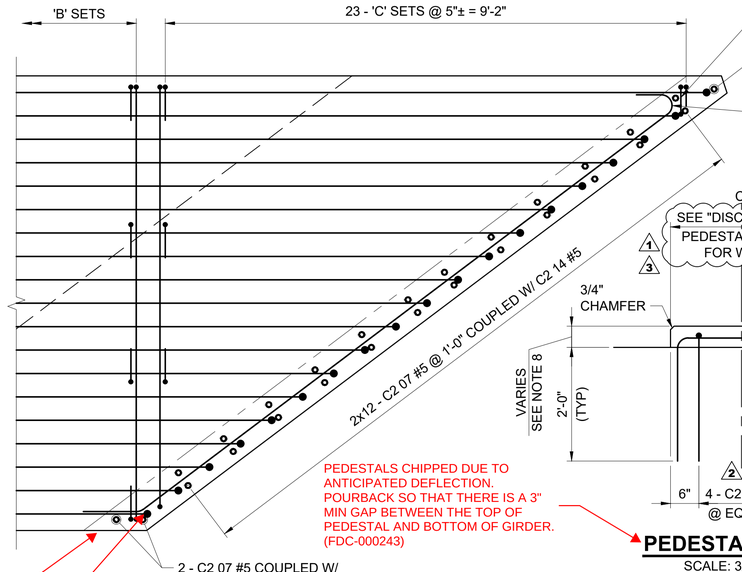
FORM SAVERS WERE NOT STAGGERED AS PER PLAN DUE TO REBAR CONGESTION. ADDITIONAL REINFORCEMENT PLACED WHERE REBAR SPACING EXCEEDS TOLERANCE THROUGHOUT WING WALL(NCR-167)

BENT HORIZONTAL REBAR AT THE BASE OF THE CURTAIN WALL (NCR-174)



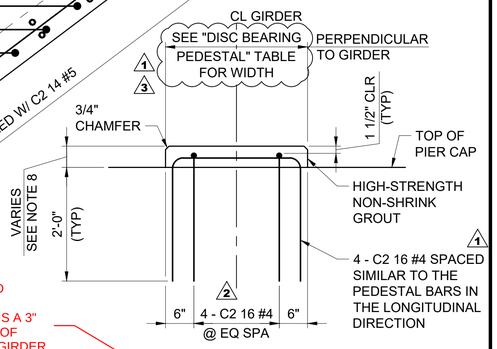
PARTIAL PLAN
SCALE: 3/4" = 1'-0"
(SHOWING REINFORCING TOP MAT ONLY)

PIER 2 DISC BEARING PEDESTALS		
GIRDER	LENGTH	WIDTH
A1	1'-2 3/4"	2'-10"
A2	2'-6 1/2"	3'-3 3/4"
A3	1'-9"	2'-11 3/4"
A4	1'-9"	2'-11 3/4"
A5	2'-2"	3'-0 3/4"
A6	1'-9"	2'-11 3/4"



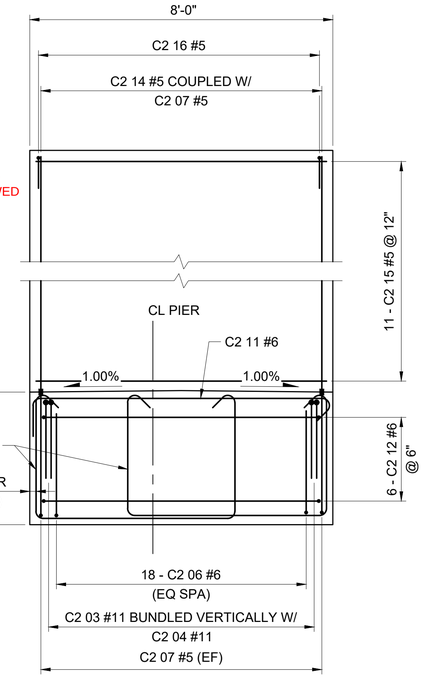
FORM SAVERS WERE NOT STAGGERED AS PER PLAN DUE TO REBAR CONGESTION. ADDITIONAL REINFORCEMENT PLACED WHERE REBAR SPACING EXCEEDS TOLERANCE THROUGHOUT WINGWALL (NCR-167)

BENT HORIZONTAL REBAR AT THE BASE OF THE CURTAIN WALL (NCR-174)

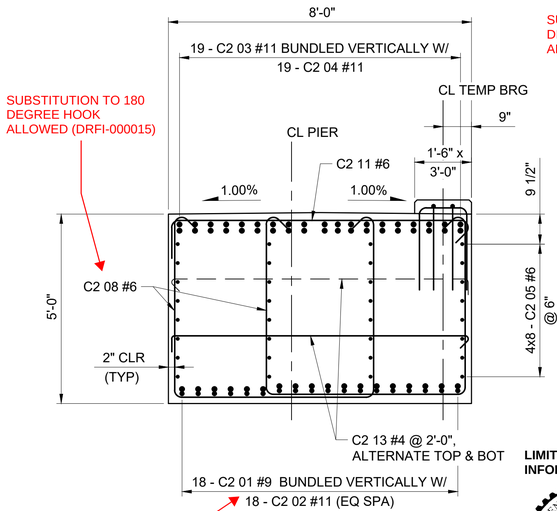


PEDESTALS CHIPPED DUE TO ANTICIPATED DEFLECTION. POURBACK SO THAT THERE IS A 3" MIN GAP BETWEEN THE TOP OF PEDESTAL AND BOTTOM OF GIRDER. (FDC-000243)

PEDESTAL DETAIL
SCALE: 3/4" = 1'-0"



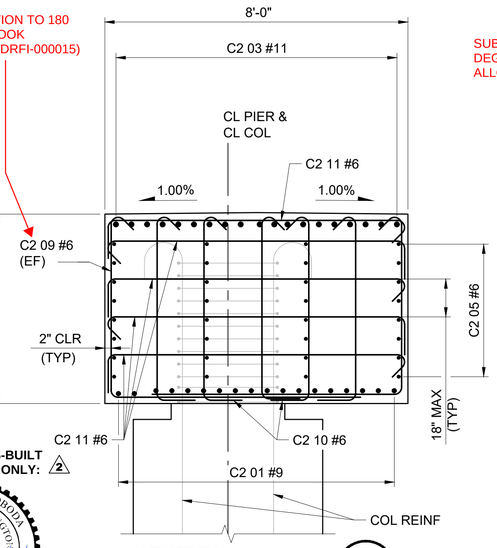
SUBSTITUTION TO 180 DEGREE HOOK ALLOWED (DRFI-000015)



1 EA #11 BAR MOVED OUTSIDE OF PIN COLUMN REBAR. (DRFI-000045)

SECTION B
SCALE: 1/2" = 1'-0"
('B' SETS SHOWN)
B27-SBP101

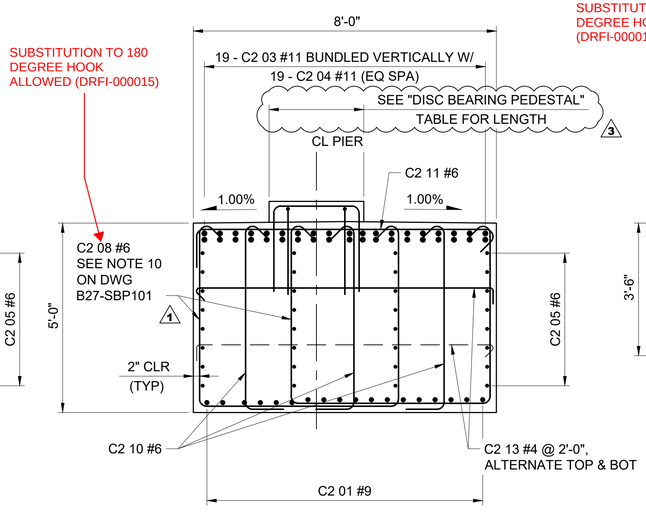
SUBSTITUTION TO 180 DEGREE HOOK ALLOWED (DRFI-000015)



LIMITED TO AS-BUILT INFORMATION ONLY: 2

SECTION C
SCALE: 1/2" = 1'-0"
('A' SETS SHOWN)
B27-SBP101

SUBSTITUTION TO 180 DEGREE HOOK ALLOWED (DRFI-000015)



SECTION D
SCALE: 1/2" = 1'-0"
('B' SETS SHOWN)
B27-SBP101

SECTION E
SCALE: 1/2" = 1'-0"
('C' SETS SHOWN)
B27-SBP101

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
3	03/06/20	SJD	KF	SJD	NDC-000010 - ADD DISC BEARING PEDESTAL DIMS
2	02/12/20	SJD	KF	SJD	NDC-000009 - UPDATED PEDESTAL REINFORCEMENT
1	10/11/19	SJD	KF	SJD	NDC-000002 - UPDATED PEDESTAL INFORMATION
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

3/6/20 EXP: 3/15/21

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/19

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: 026-B27-SBX101

RTS PEDESTRIAN BRIDGE

PIER 2 SECTIONS AND DETAILS

DRAWING No.: B27-SBX101
FACILITY ID: B27
SHEET No.: 26
REV: 3

RECORD DRAWING #23-2111

03/04/20 | 9:19 AM | ALYSSA.SOLIZ
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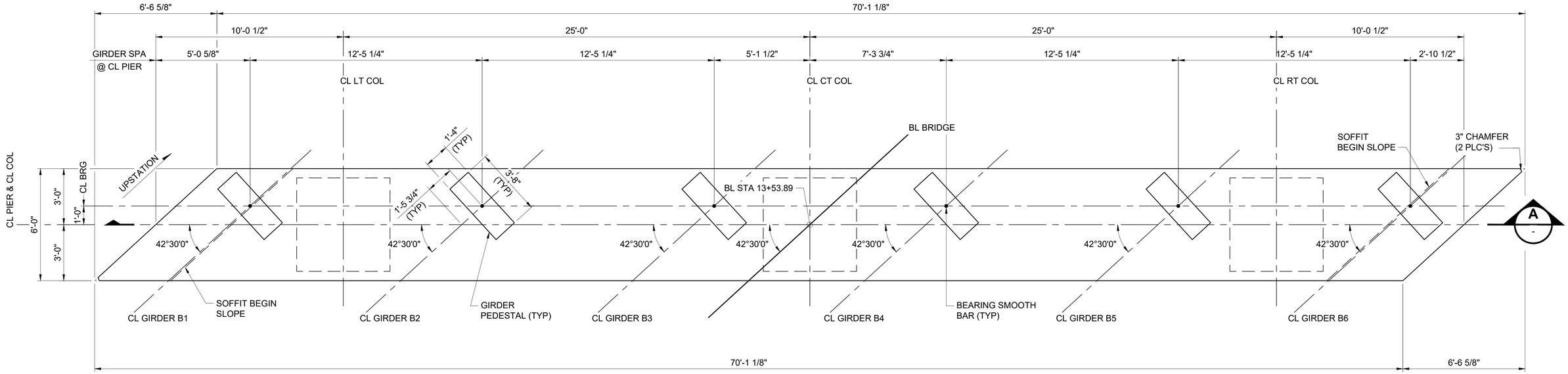
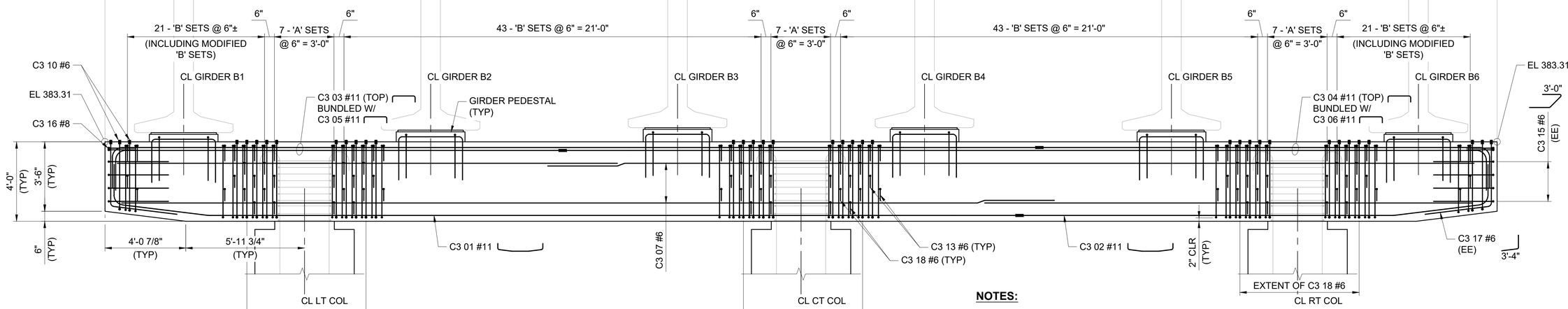
XREF LIST:
xE360-GB-TB22x34.dwg



PLAN
SCALE: 3/8" = 1'-0"



SECTION A -
SCALE: 3/8" = 1'-0"

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 53017 — REGISTERED PROFESSIONAL ENGINEER

NOTES:

1. ALL LAP SPLICES SHALL BE STAGGERED UNLESS NOTED OTHERWISE.
2. 'A' SETS CONSIDER STIRRUPS THAT CONSIST OF TWO HALVES THAT ARE SPLICED HORIZONTALLY AT THE BOTTOM.
3. 'B' SETS CONSIDER STIRRUPS THAT CONSIST OF A CONTINUOUS BAR SHAPE.
4. ELEVATIONS ARE GIVEN ALONG CL OF THE PIER.
5. ALL SPLICES IN THE LONGITUDINAL MAIN REINFORCEMENT (C3 01 #11, C3 02 #11, C3 03 #11, C3 04 #11, C3 05 #11 AND C3 06 #11) SHALL USE HRC 500 COUPLERS, OR EQUIVALENT APPROVED BY THE ENGINEER. THE COUPLERS SHALL BE STAGGERED BY AT LEAST 5 FT BETWEEN ADJACENT BARS. HRC COUPLERS TO BE SNUG TIGHT. (NCR-000012)
6. AT THE SLOPED SOFFIT THE BOTTOM HORIZONTAL PART OF THE STIRRUP C3 08 #6 BAR IN SECTION C OF DRAWING B27-SBX107.

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
2	02/12/20	SJD	KF	SJD	NDC-000009 - DIMENSION ADDED
1	10/11/19	SJD	KF	SJD	NDC-000002 - ADDITIONAL NOTE
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

LUKRE J. DESPRADEL — STATE OF WASHINGTON — 53080 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
2/12/20 — EXP: 03/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN

Kiewit — SINCE 1884
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON

SCALE: 3/8" = 1'-0"
FILENAME: 027-B27-SBP102
SUBMITTAL DATE: 11/04/19

RTS PEDESTRIAN BRIDGE

PIER 3 PLAN AND ELEVATION

DRAWING No.: **B27-SBP102**
FACILITY ID: B27
SHEET No.: 27
REV: 2

RECORD DRAWING #23-2112

02/11/20 | 8:20 PM | ALYSSA.SOLIZ
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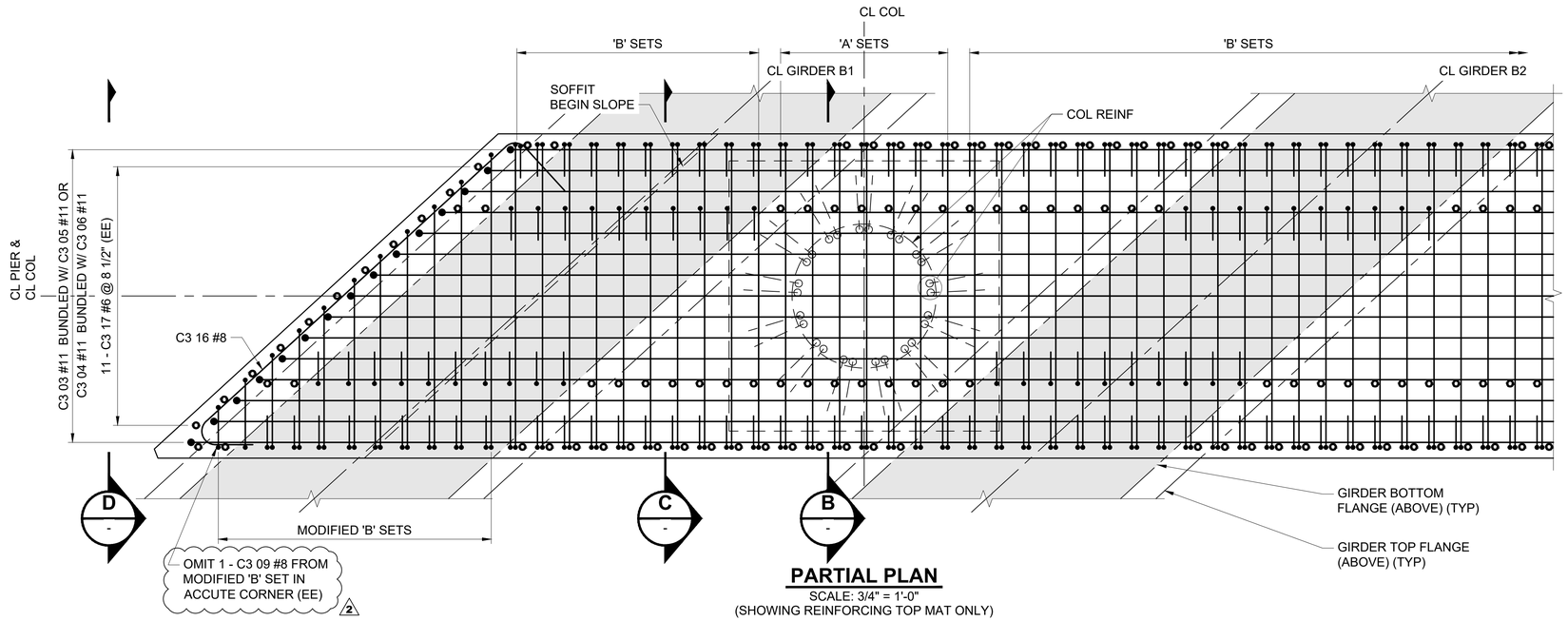
XREF LIST:
xE360-GB-TB22x34.dwg



PARTIAL PLAN
SCALE: 3/4" = 1'-0"
(SHOWING REINFORCING TOP MAT ONLY)

GIRDER	PEDESTAL HEIGHT
G1	2.62"
G2	4.05"
G3	5.49"
G4	5.48"
G5	4.39"
G6	3.30"

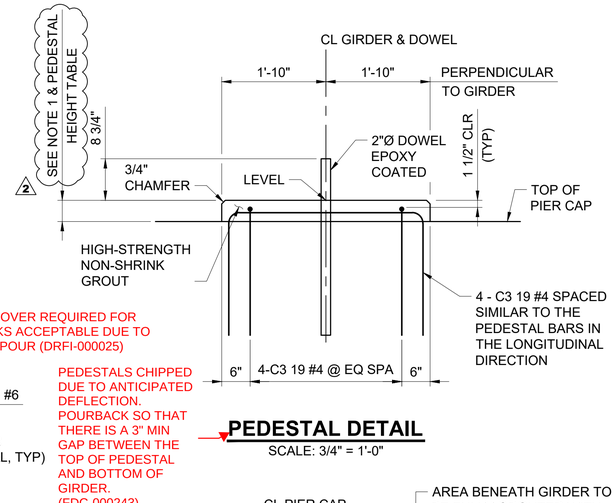
2

NOTES:

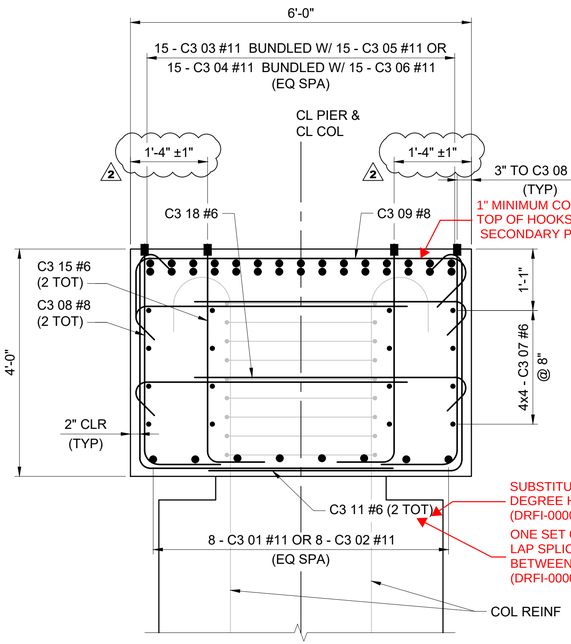
1. PEDESTAL REINFORCEMENT IS ONLY REQUIRED WHEN THE PEDESTAL HEIGHT EXCEEDS 2 1/2". PEDESTAL HEIGHTS SHALL BE DETERMINED BASED ON BOTTOM OF GIRDER ELEVATIONS AND HEIGHT OF FINAL BEARINGS.
2. COUPLED VERTICAL BARS ARE ONLY USED OUTSIDE OF THE GIRDER FOOTPRINT (SEE PARTIAL PLAN).
3. VERTICAL DOWEL COUPLERS ARE OPTIONAL. ALTERNATIVELY THE CONTRACTOR MAY PROVIDE CONTINUOUS BARS WITH THE DIAPHRAGM.
4. MODIFIED 'B' SETS CONSIDER 'B' SETS THAT ARE MODIFIED FOR THE VARYING WIDTH.

LEGEND:

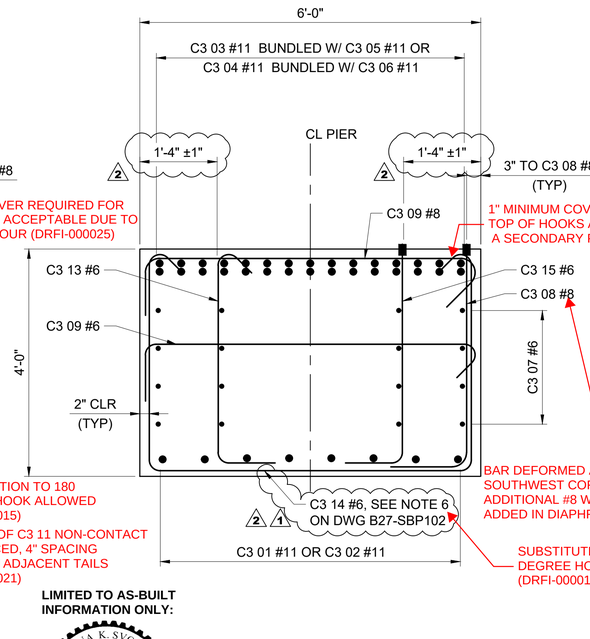
- COUPLER FOR C3 09 #6 REINFORCING BARS



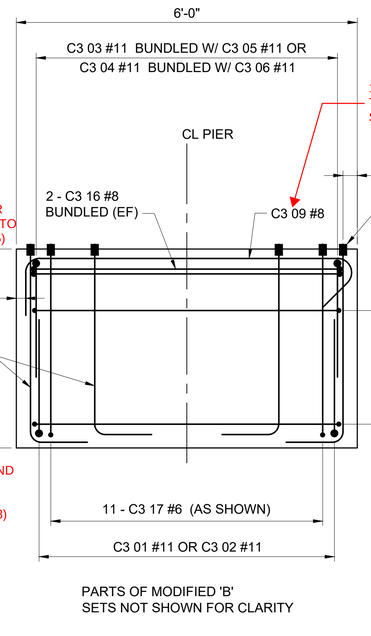
PEDESTAL DETAIL
SCALE: 3/4" = 1'-0"



SECTION B
SCALE: 3/4" = 1'-0"
('A' SETS SHOWN, SEE NOTE 2)



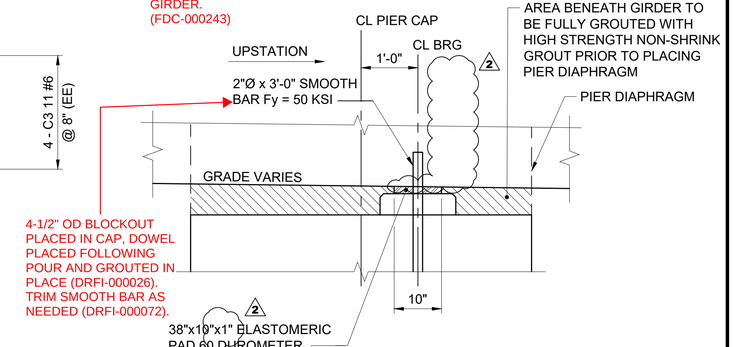
SECTION C
SCALE: 3/4" = 1'-0"
('B' SETS SHOWN, SEE NOTE 2)



PARTS OF MODIFIED 'B'
SETS NOT SHOWN FOR CLARITY

SECTION D
SCALE: 3/4" = 1'-0"

PEDESTALS CHIPPED DUE TO ANTICIPATED DEFLECTION. POURBACK SO THAT THERE IS A 3" MIN GAP BETWEEN THE TOP OF PEDESTAL AND BOTTOM OF GIRDER. (FDC-000243)



ERECTION PAD DETAILS AT PIER 3
SCALE: 3/4" = 1'-0"

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
2	02/12/20	SJD	KF	SJD	NDC-000009 - GIRDER BEARING REVISIONS
1	10/11/19	SJD	KF	SJD	NDC-000002 - ADDITIONAL NOTE
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

STATE OF WASH. — EDUARE J. DESPRADEL — 23036 — STRUCTURAL PROFESSIONAL ENGINEER
2/12/20 EXP. 03/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN

Kiewit SINCE 1884
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON
SCALE: 3/4" = 1'-0"
FILENAME: 028-B27-SBX102
SUBMITTAL DATE: 11/04/19

RTS PEDESTRIAN BRIDGE

PIER 3 SECTIONS AND DETAILS

DRAWING No.: B27-SBX102
FACILITY ID: B27
SHEET No.: 28
REV: 2

02/11/20 | 8:27 PM | ALYSSA.SOLIZ
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RECORD DRAWING #23-2113

XREF LIST:
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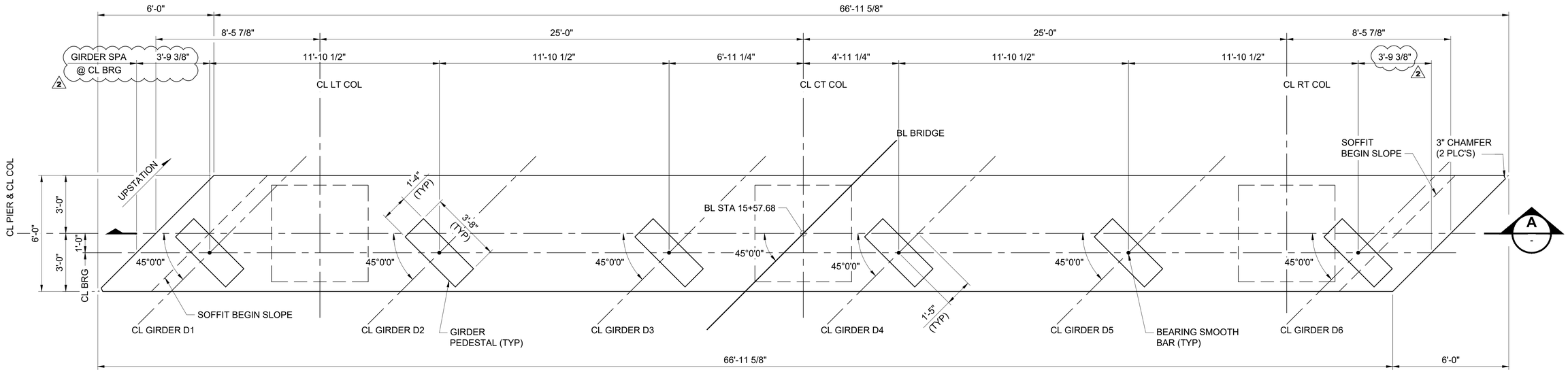
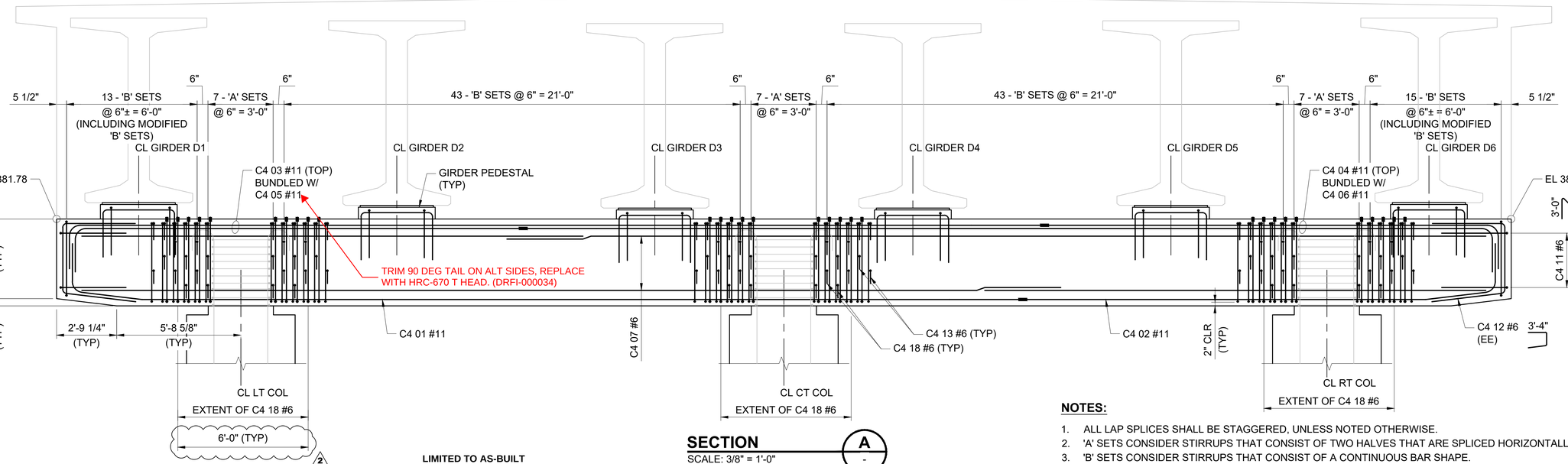


PLAN
SCALE: 3/8" = 1'-0"



SECTION
SCALE: 3/8" = 1'-0"

A
-

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

NOTES:

1. ALL LAP SPLICES SHALL BE STAGGERED, UNLESS NOTED OTHERWISE.
2. 'A' SETS CONSIDER STIRRUPS THAT CONSIST OF TWO HALVES THAT ARE SPLICED HORIZONTALLY AT THE BOTTOM.
3. 'B' SETS CONSIDER STIRRUPS THAT CONSIST OF A CONTINUOUS BAR SHAPE.
4. ELEVATIONS ARE GIVEN ALONG CENTER LINE OF THE PIER.
5. ALL SPLICES IN THE LONGITUDINAL MAIN REINFORCEMENT (C4 01 #11, C4 02 #11, C4 03 #11, C4 04 #11, C4 05 #11 AND C4 06 #11) SHALL USE HRC 500 COUPLERS, OR EQUIVALENT APPROVED BY THE ENGINEER. THE COUPLERS SHALL BE STAGGERED BY A MINIMUM OF 5 FT BETWEEN ADJACENT BARS. HRC COUPLERS TO BE SNUG TIGHT. (NCR-000012)
6. AT THE SLOPED SOFFIT THE BOTTOM HORIZONTAL PART OF THE STIRRUP C4 08 #6 MAY BE SPLIT UP FROM THE VERTICAL PARTS IN A SIMILAR MANNER AS THE C8 09 #6 BAR IN SECTION C OF DRAWING B27-SBX107.

1

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
2	02/12/20	SJD	KF	SJD	NDC-000009 - DIMENSION ADDED
1	10/11/19	SJD	KF	SJD	NDC-000002 - ADDITIONAL NOTE
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

LUKRE J. DESPRADEL — STATE OF WASHINGTON — 20308 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
2/12/20 EXP: 03/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

Kiewit — SINCE 1884

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON

SCALE: 3/8" = 1'-0"
FILENAME: 029-B27-SBP103
SUBMITTAL DATE: 11/04/19

RTS PEDESTRIAN BRIDGE

PIER 4 PLAN AND ELEVATION

DRAWING No.: **B27-SBP103**
FACILITY ID: B27
SHEET No.: 29
REV: 2

02/11/20 | 8:31 PM | ALYSSA SOLIZ
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RECORD DRAWING #23-2114

XREF LIST:
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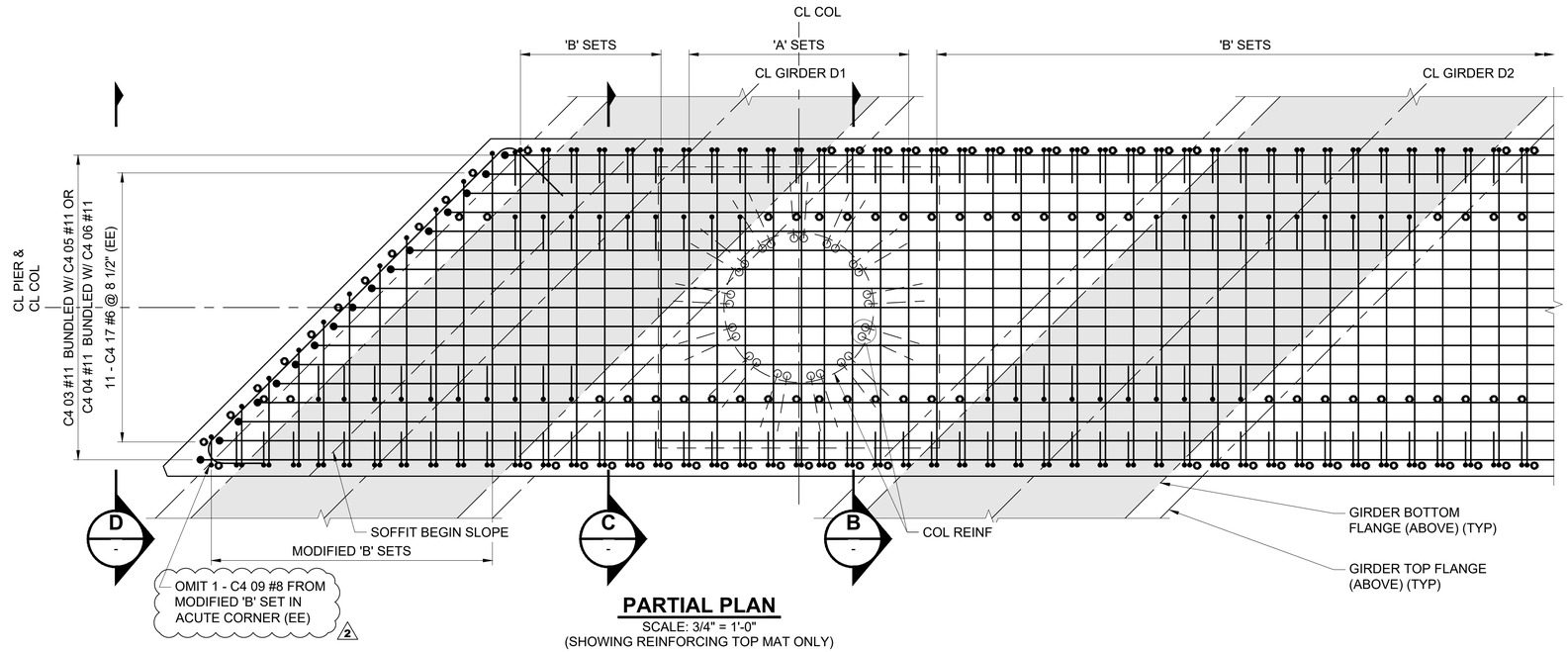


PARTIAL PLAN

SCALE: 3/4" = 1'-0"
(SHOWING REINFORCING TOP MAT ONLY)

GIRDER	PEDESTAL HEIGHT
G1	2.60"
G2	4.22"
G3	5.72"
G4	5.66"
G5	4.28"
G6	2.67"

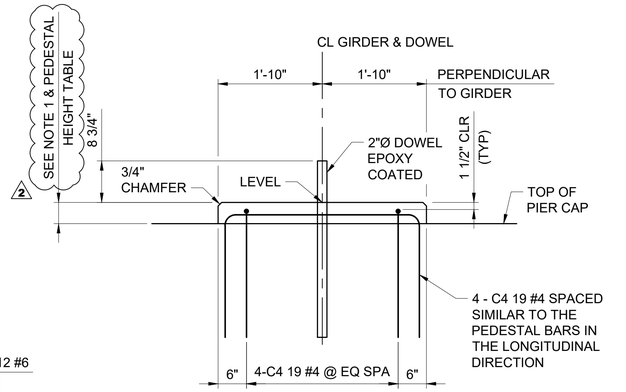
2

NOTES:

1. PEDESTAL REINFORCEMENT IS ONLY REQUIRED WHEN THE PEDESTAL HEIGHT EXCEEDS 2 1/2". REFER TO DRAWING B27-SBP103 FOR ELEVATIONS THAT DETERMINE THE PEDESTAL THICKNESS.
2. COUPLED VERTICAL BARS ARE ONLY USED OUTSIDE OF THE GIRDER FOOTPRINT (SEE PARTIAL PLAN).
3. VERTICAL DOWEL COUPLERS ARE OPTIONAL. ALTERNATIVELY THE CONTRACTOR MAY PROVIDE CONTINUOUS BARS WITH THE DIAPHRAGM.
4. MODIFIED 'B' SETS CONSIDER 'B' SETS THAT ARE MODIFIED FOR THE VARYING WIDTH.

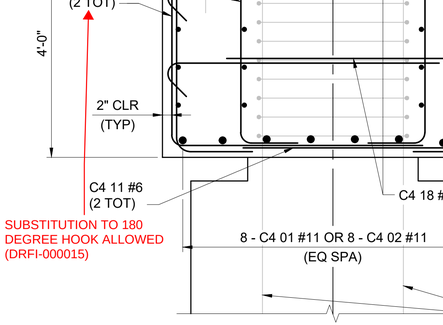
LEGEND:

- COUPLER FOR C3 09 #6 REINFORCING BARS



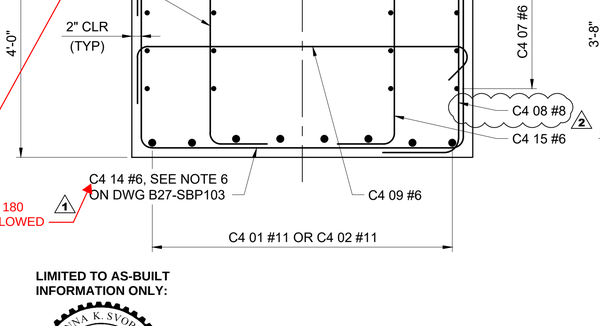
PEDESTAL DETAIL

SCALE: 3/4" = 1'-0"



SECTION B

SCALE: 3/4" = 1'-0"
('A' SETS SHOWN, SEE NOTE 2)

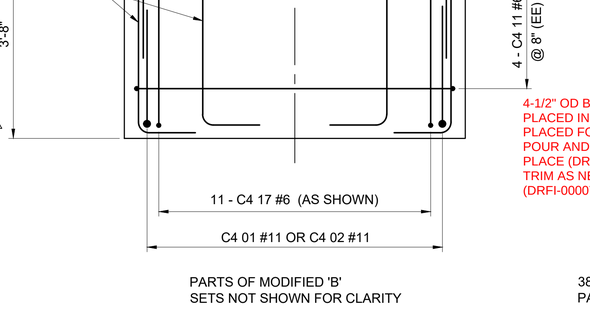


LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 21017591 — REGISTERED PROFESSIONAL ENGINEER

SECTION C

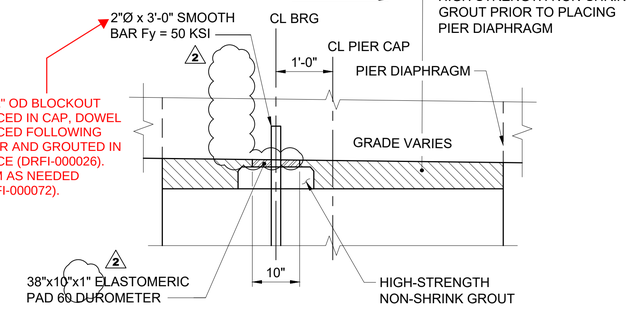
SCALE: 3/4" = 1'-0"
('B' SETS SHOWN, SEE NOTE 3)



PARTS OF MODIFIED 'B'
SETS NOT SHOWN FOR CLARITY

SECTION D

SCALE: 3/4" = 1'-0"



ERECTION PAD DETAILS AT PIER 4

SCALE: 3/4" = 1'-0"

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
2	02/12/20	SJD	KF	SJD	NDC-000009 - GIRDER BEARING REVISIONS
1	10/11/19	SJD	KF	SJD	NDC-000002 - ADDITIONAL NOTE
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

LUKRE J. DESPRADEL — STATE OF WASHINGTON — 20360 — STRUCTURAL PROFESSIONAL ENGINEER
2/12/20 EXP: 03/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 11/04/19

Kiewit — SINCE 1884
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond
SCALE: 3/4" = 1'-0"
FILENAME: 030-B27-SBX103
SUBMITTAL DATE: 11/04/19

RTS PEDESTRIAN BRIDGE

PIER 4 SECTIONS AND DETAILS

DRAWING No.: B27-SBX103
FACILITY ID: B27
SHEET No.: 30
REV: 2

02/11/20 | 8:40 PM | ALYSSA.SOLIZ
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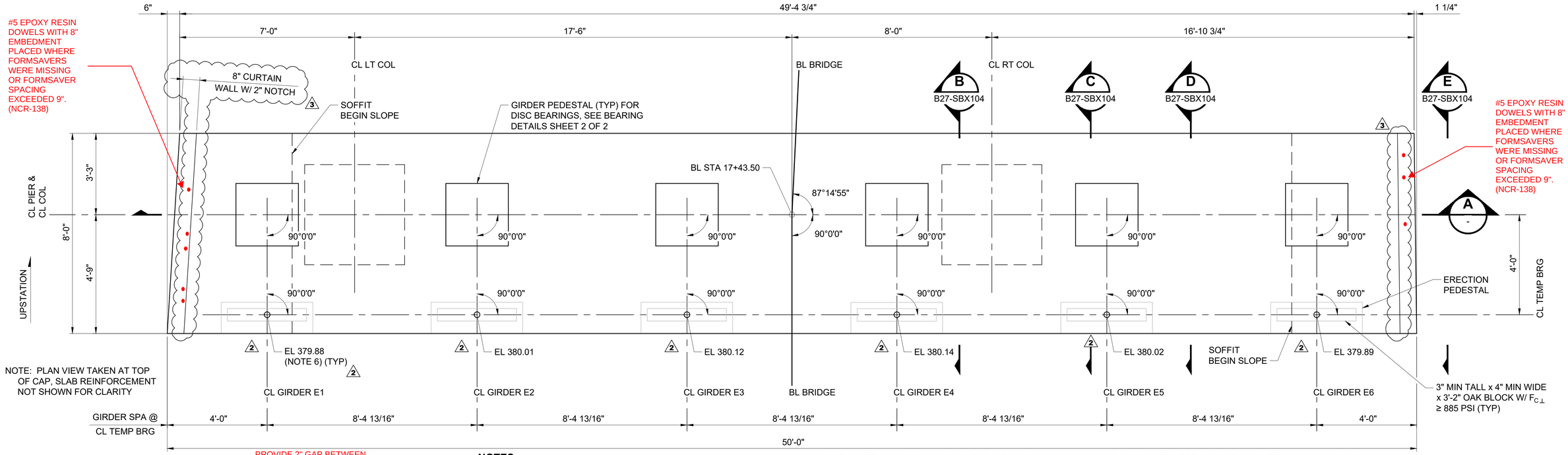
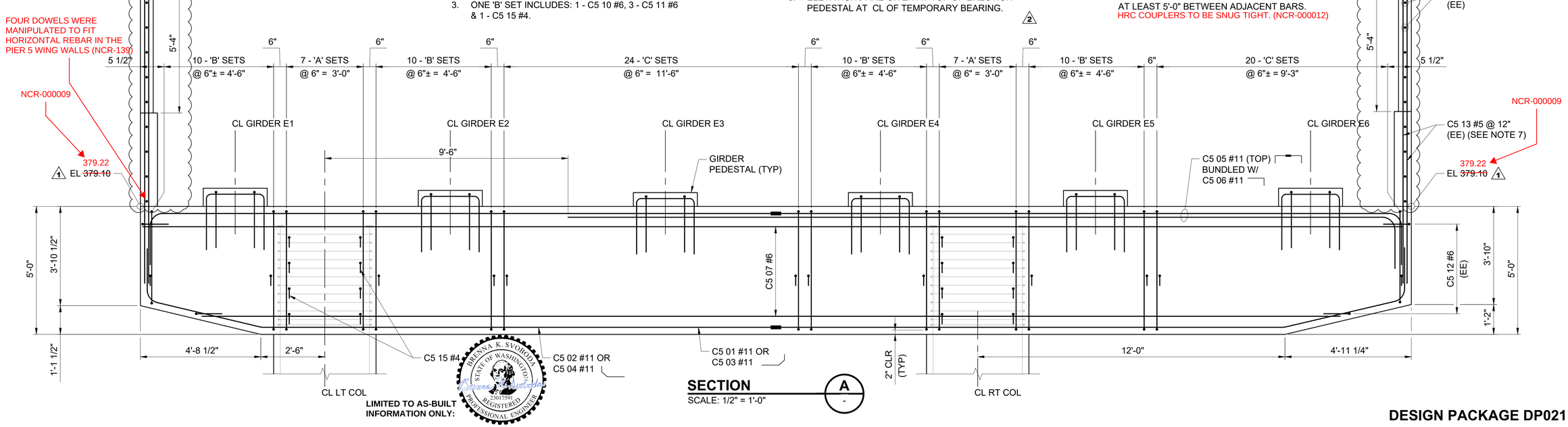
RECORD DRAWING #23-2115

XREF LIST:
xE360-GB-TB22x34.dwg



PLAN
SCALE: 1/2" = 1'-0"



SECTION
SCALE: 1/2" = 1'-0"

LIMITED TO AS-BUILT INFORMATION ONLY:

NOTES:

1. ALL LAP SPLICES SHALL BE STAGGERED UNLESS NOTED OTHERWISE.
2. ONE 'A' SET INCLUDES: 2 - C5 08 #6, 4 - C5 09 #6, 1 - C5 10 #6 & 4 C5 15 #4.
3. ONE 'B' SET INCLUDES: 1 - C5 10 #6, 3 - C5 11 #6 & 1 - C5 15 #4.
4. ONE 'C' SET INCLUDES: 1 - C5 10 #6, 2 - C5 11 #6 & 1 - C5 15 #4. (1 - C5 15 #4 EVERY OTHER SET).
5. BEARING PEDESTAL HEIGHTS SHALL BE DETERMINED BASED ON BOTTOM OF GIRDER ELEVATIONS AND HEIGHT OF FINAL BEARINGS.
6. ELEVATIONS ARE GIVEN AT TOP OF ERECTION PEDESTAL AT CL OF TEMPORARY BEARING.
7. STAGGER VERTICAL BARS IN CURTAIN WALL @ 6" O.C.
8. ALL SPLICES IN THE LONGITUDINAL MAIN REINFORCEMENT (C5 01 #11, C5 02 #11, C5 03 #11, C5 04 #11, C5 05 #11 & C5 06 #11) SHALL USE HRC 500 COUPLERS, OR EQUIVALENT APPROVED BY THE ENGINEER. THE COUPLERS SHALL BE STAGGERED BY AT LEAST 5'-0" BETWEEN ADJACENT BARS.
HRC COUPLERS TO BE SNUG TIGHT. (NCR-000012)

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
3	10/28/20	SJD	KF	SJD	NDC-000042 - REVISE CURTAIN WALL
2	02/12/20	SJD	KF	SJD	NDC-000009 - GIRDER BEARING REVISIONS
1	10/11/19	SJD	KF	SJD	NDC-000002 - PIER CAP ELEVATION UPDATE
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL
10/28/20 EXP: 3/15/21

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
LINE IS 1" AT FULL SCALE
CityofRedmond
SCALE: 1/2" = 1'-0"
FILENAME: 031-B27-SBP104
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

PIER 5 PLAN AND ELEVATION

DRAWING No.: B27-SBP104
FACILITY ID: B27
SHEET No.: 31
REV: 3

10/27/20 | 7:00 PM | ALYSSA.SOLIZ
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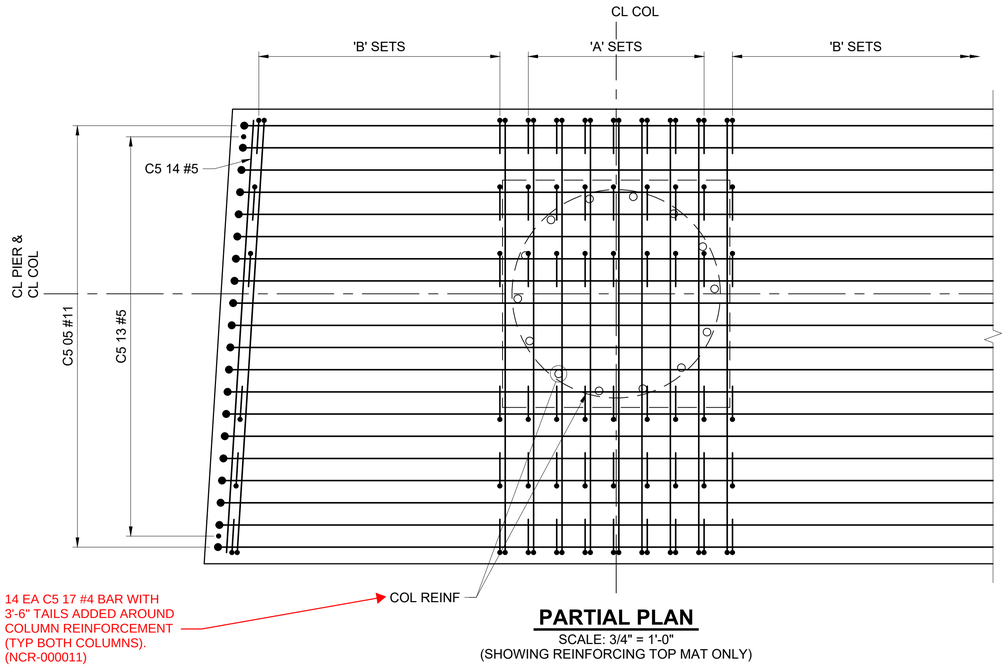
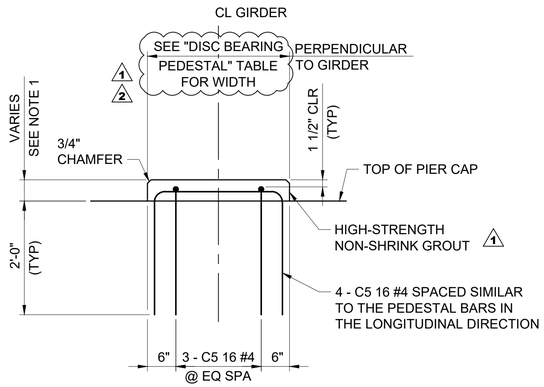
RECORD DRAWING #23-2116

XREF LIST:
xE360-GB-TB22x34.dwg



PARTIAL PLAN
SCALE: 3/4" = 1'-0"
(SHOWING REINFORCING TOP MAT ONLY)



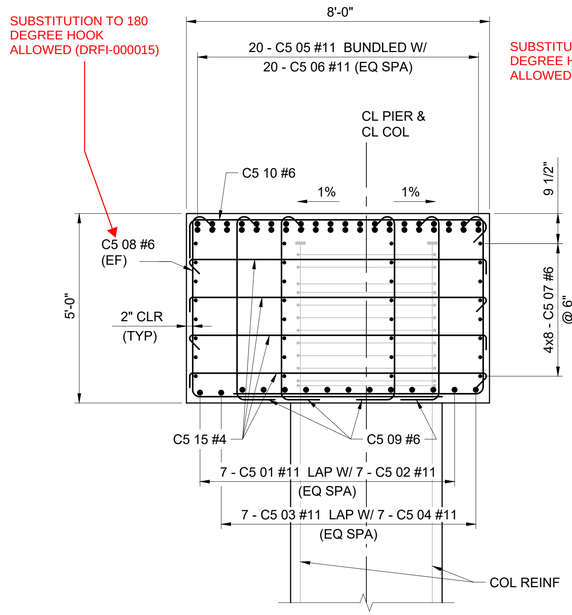
PEDESTAL DETAIL
SCALE: 3/4" = 1'-0"

NOTE:

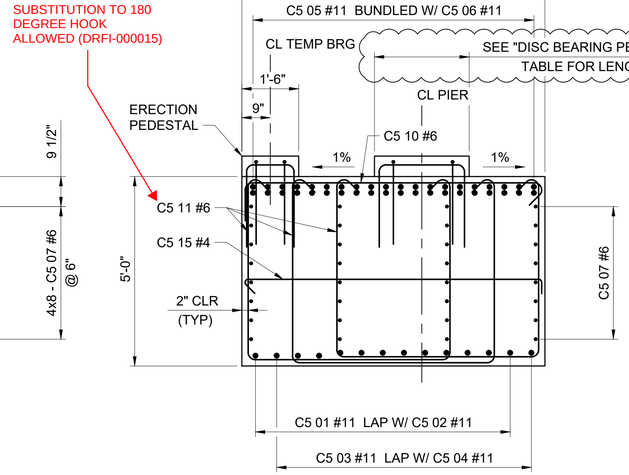
1. PEDESTAL HEIGHTS SHALL BE DETERMINED BASED ON BOTTOM OF GIRDER ELEVATIONS AND HEIGHT OF FINAL BEARINGS.
2. PEDESTAL HEIGHTS 3" OR LESS SHALL BE GROUTED WITH NON-SHRINK GROUT. THE GROUT SHALL COMPRISE OF PORTLAND CEMENT AND SILICA SAND WITH A MINIMUM COMPRESSIVE STRENGTH OF 6,000 PSI AT 28 DAYS. PEDESTAL HEIGHTS LARGER THAN 3" SHALL BE CAST WITH CONCRETE OF THE SAME QUALITY AS THE PIER CAP.

PIER 5 DISC BEARING PEDESTALS

GIRDER	LENGTH	WIDTH
E1	1'-9"	2'-11 3/4"
E2	1'-9"	2'-11 3/4"
E3	1'-0 3/4"	2'-4"
E4	2'-2"	3'-0 3/4"
E5	2'-2"	3'-0 3/4"
E6	1'-1"	2'-6"

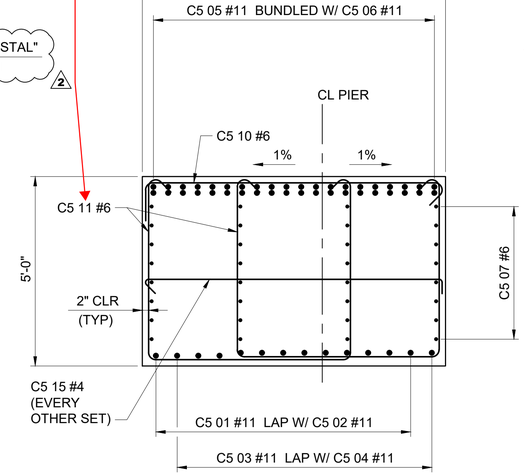


SECTION B
SCALE: 1/2" = 1'-0"
('A' SETS SHOWN)
B27-SBP104

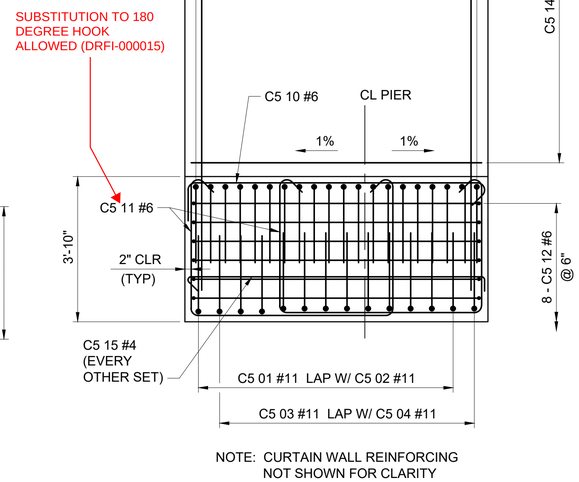


LIMITED TO AS-BUILT INFORMATION ONLY:

SECTION C
SCALE: 1/2" = 1'-0"
('B' SETS SHOWN)
B27-SBP104



SECTION D
SCALE: 1/2" = 1'-0"
('C' SETS SHOWN)
B27-SBP104



NOTE: CURTAIN WALL REINFORCING NOT SHOWN FOR CLARITY

SECTION E
SCALE: 1/2" = 1'-0"
('C' SETS SHOWN)
B27-SBP104

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
2	03/06/20	SJD	KF	SJD	NDC-000010 - ADD DISC BEARING PEDESTAL DIMS
1	10/11/19	SJD	KF	SJD	NDC-000002 - UPDATED PEDESTAL INFORMATION
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

LUKRE J. DESPRADEL — STATE OF WASHINGTON — 23036 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
3/6/20 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 11/04/19

Kiewit SINCE 1884
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON
SCALE: AS NOTED
FILENAME: 032-B27-SBX104
SUBMITTAL DATE: 11/04/19

RTS PEDESTRIAN BRIDGE

PIER 5 SECTIONS AND DETAILS

DRAWING No.: **B27-SBX104**
FACILITY ID: B27
SHEET No.: 32
REV: 2

RECORD DRAWING #23-2117

03/05/20 | 7:24 PM | ALYSSA SOLIZ
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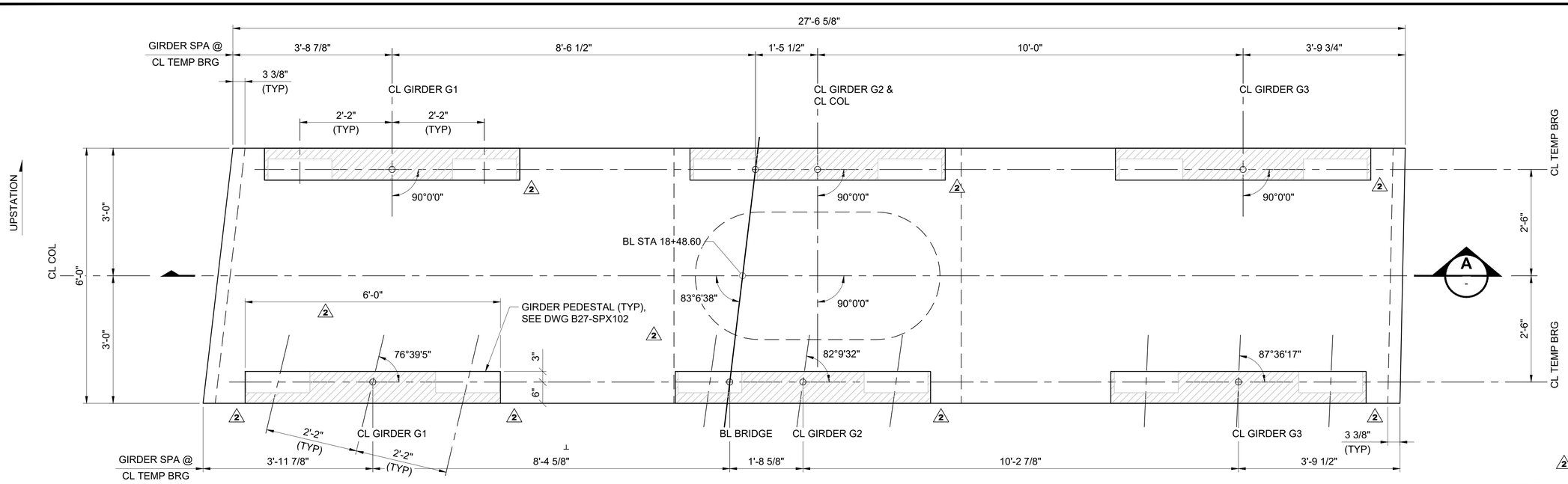
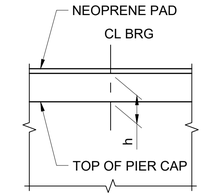
XREF LIST:
xE360-GB-TB22x34.dwg

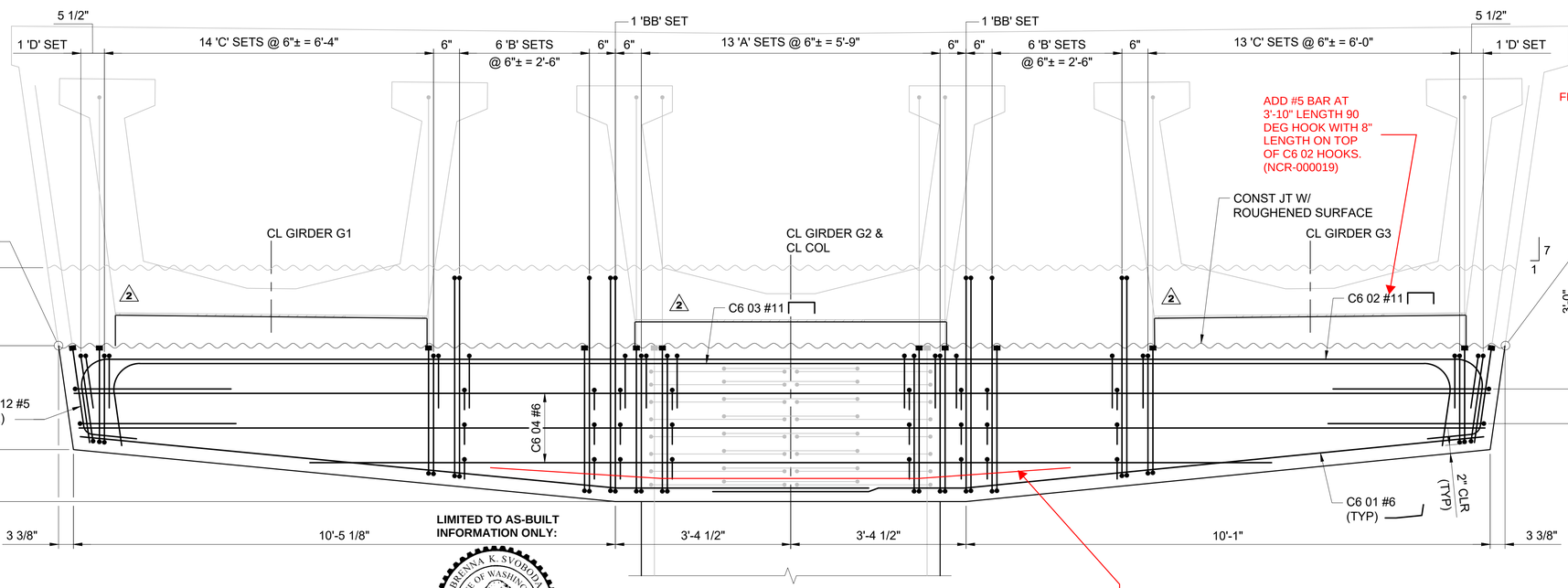


PLAN
SCALE: 3/4" = 1'-0"

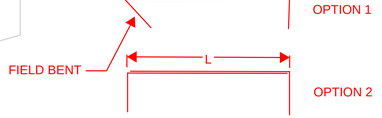


GIRDER		h	
		D/S	U/S
G1	LT	4.90"	5.26"
	RT	4.40"	4.48"
G2	LT	3.65"	3.79"
	RT	3.77"	3.79"
G3	LT	3.31"	3.71"
	RT	4.06"	4.49"

NOTE: PLAN VIEW TAKEN AT TOP OF CAP, SLAB REINFORCEMENT NOT SHOWN FOR CLARITY



ADD #5 BAR AT 3'-10" LENGTH 90 DEG HOOK WITH 8" LENGTH ON TOP OF C6 02 HOOKS. (NCR-000019)



ADDED #4 BUNDLED BAR MATCHES C6 11 #6 LENGTH. HOOKS MAY BE ROTATED ANY DIRECTION TO FIT. 2 EA #4 BARS FULLY LAPPED (OPTION 2) REPLACE 1 EA OPTION 1 BAR. (FDC-000055)

BARS MOVED INSIDE TAILS OF C6 03 #11 (TYP EACH SIDE). 2 EA #4 BUNDLES CLOSE TO ORIGINAL C6 11 BAR LOCATION (TYP EACH SIDE). (FDC-000055)

NOTES:

1. ONE 'A' SET INCLUDES: 2 - C6 05 #6, 2 - C6 14 #11, 1 - C6 07 #6 & 6 - C6 13 #4.
2. ONE 'B' SET INCLUDES: 1 - C6 07 #6, 1 - C6 08 #6, 5 - C6 10 #6 & 6 - C6 13 #4.
3. ONE 'C' SET INCLUDES: 2 - C6 06 #6, 1 - C6 07 #6 & 1 - C6 08 #6.
4. ONE 'D' SET INCLUDES: 1 - C6 07 #6 & 1 - C6 08 #6.
5. THE 'BB' SETS ARE IDENTICAL TO THE 'B' SETS, EXCEPT THAT TWO SETS OF THE 2-C6 10 #6 BARS ARE SUBSTITUTED BY TWO 2-C6 13 #11 BARS.
6. ALL LAP SPLICES SHALL BE STAGGERED UNLESS NOTED OTHERWISE.
7. ELEVATIONS ARE GIVEN ALONG CL OF THE PIER.

LIMITED TO AS-BUILT INFORMATION ONLY:

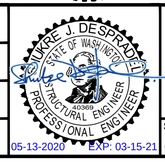
ELEVATION
SCALE: 3/4" = 1'-0"

ADD 3 EA #6 BARS. EXTEND 2'-0" MINIMUM BEYOND SHIFTED C6 13 #11'S. 6" C-C NON CONTACT LAP SPLICE ACCEPTABLE. (NCR-000019)

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
3	05/13/20	SJD	KF	SJD	NDC-000018 - REVISIONS FOR UTILITY SLEEVES
2	02/12/20	SJD	KF	SJD	NDC-000009 - GIRDER BEARING REVISIONS
1	10/11/19	SJD	KF	SJD	NDC-000002 - REVISED UNIT 3 PIER DIAPHRAGMS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL



05-13-2020 EXP: 03-15-21

KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/19

LINE IS 1" AT FULL SCALE

SCALE: 3/4" = 1'-0"
FILENAME: 033-B27-SBP105

RTS PEDESTRIAN BRIDGE

PIER 6 PLAN AND ELEVATION

DRAWING No.: B27-SBP105
FACILITY ID: B27
SHEET No.: 33
REV: 3

RECORD DRAWING #23-2118

05/13/20 | 11:03 AM | ALYSSA.SOLIZ
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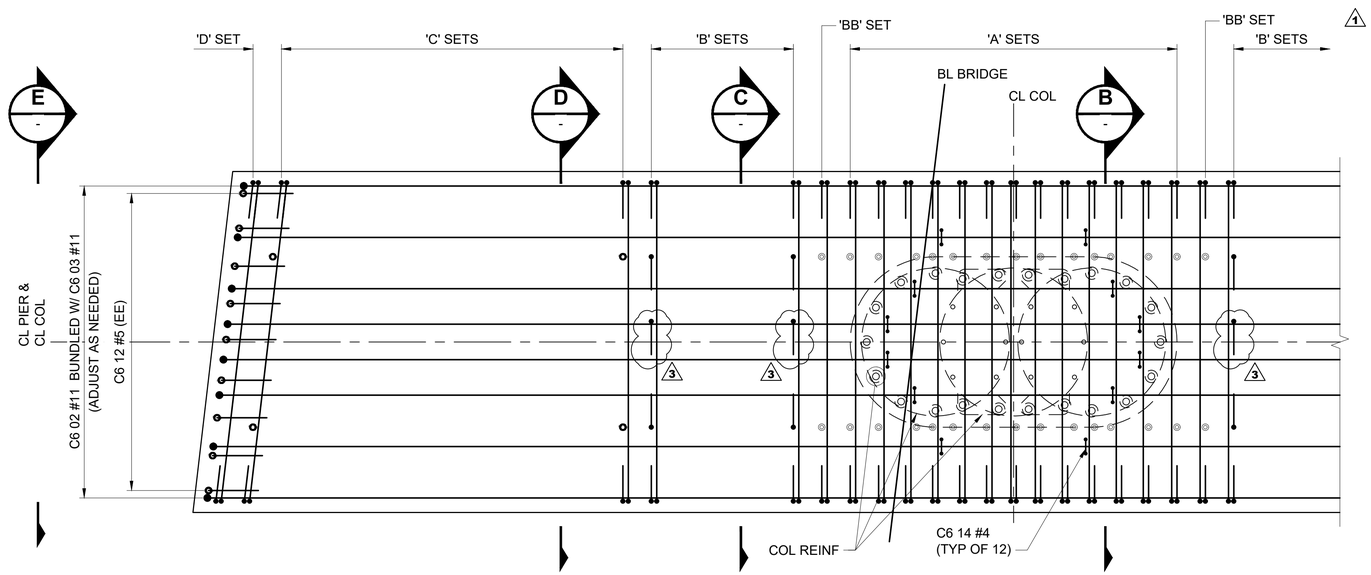
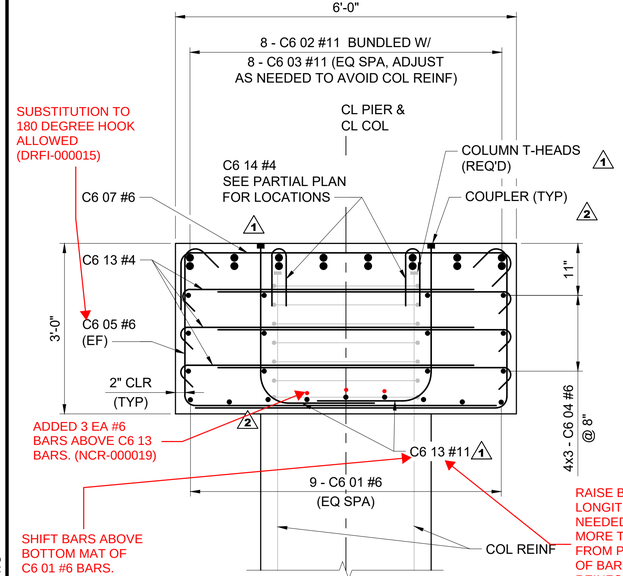
XREF LIST:
xE360-GB-TB22x34.dwg



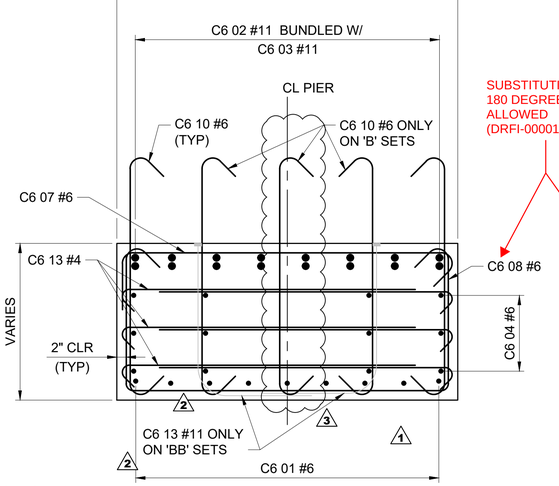
PARTIAL PLAN
SCALE: 3/4" = 1'-0"
(SHOWING REINFORCING TOP MAT ONLY)

LEGEND: 1

- T-HEADS FOR EXISTING COLUMN VERTICAL REINFORCING
- COUPLER FOR C6 06 #6 OR C6 12 #5 REINFORCING BARS 1
- COUPLER FOR C6 14 #11 REINFORCING BARS



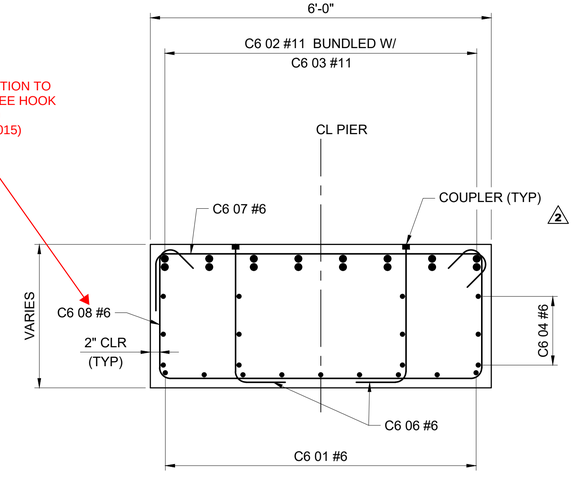
SECTION B
SCALE: 3/4" = 1'-0"
('A' SETS SHOWN)



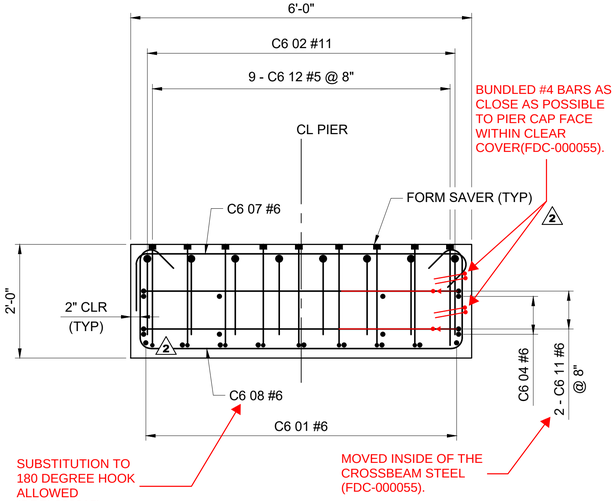
SECTION C
SCALE: 3/4" = 1'-0"
('B' AND 'BB' SETS SHOWN)

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA
STATE OF WASHINGTON
23017591
REGISTERED
PROFESSIONAL ENGINEER



SECTION D
SCALE: 3/4" = 1'-0"
('C' SETS SHOWN)



VIEW E
SCALE: 3/4" = 1'-0"
('D' SETS SHOWN)

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
3	05/13/20	SJD	KF	SJD	NDC-000018 - REVISIONS TO FO SLEEVES
2	02/12/20	SJD	KF	SJD	NDC-000009 - REVISED PIER 6 DIAPHRAGM
1	10/11/19	SJD	KF	SJD	NDC-000002 - REVISED UNIT 3 PIER DIAPHRAGMS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

LUKE J. DESPRADEL — STATE OF WASHINGTON — 22000 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
05-13-2020 EXP: 03-15-21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN

Kiewit — KIEWIT PKS SINCE 1884
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: 3/4" = 1'-0"
FILENAME: 034-B27-SBX105
SUBMITTAL DATE: 11/04/19

RTS PEDESTRIAN BRIDGE

PIER 6 SECTIONS AND DETAILS

DRAWING No.: B27-SBX105
FACILITY ID: B27
SHEET No.: 34
REV: 3

05/13/20 | 11:41 AM | ALYSSA.SOLIZ
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RECORD DRAWING #23-2119

XREF LIST:
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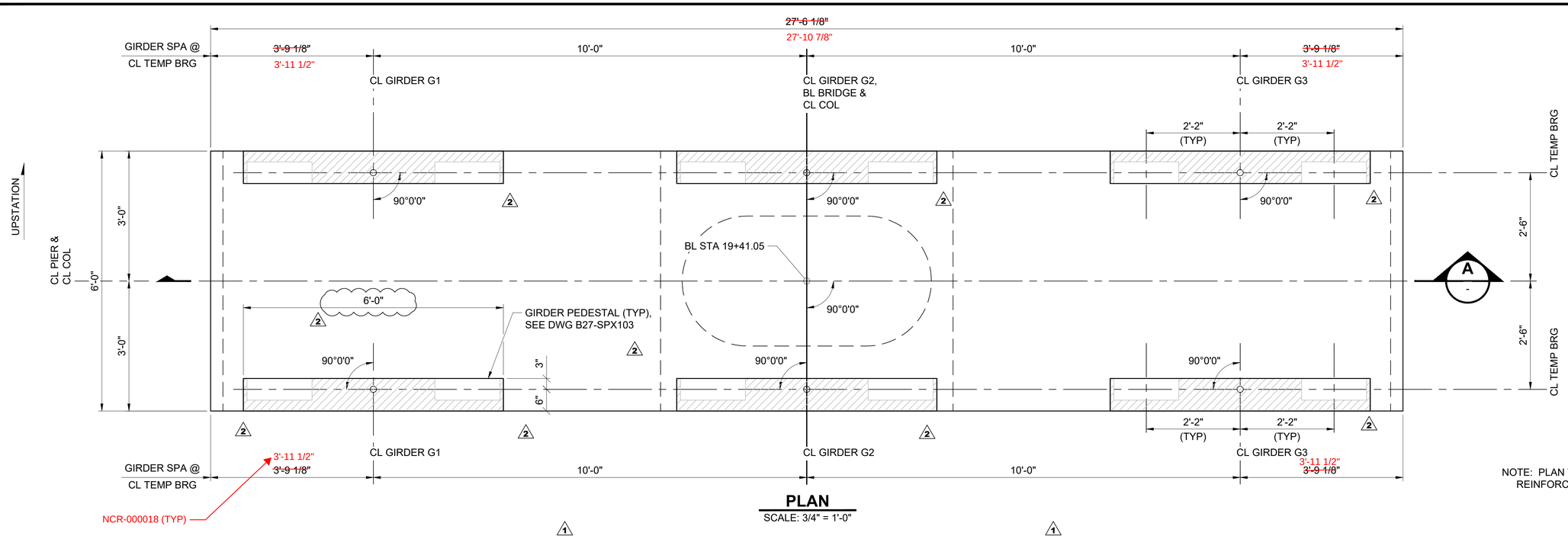
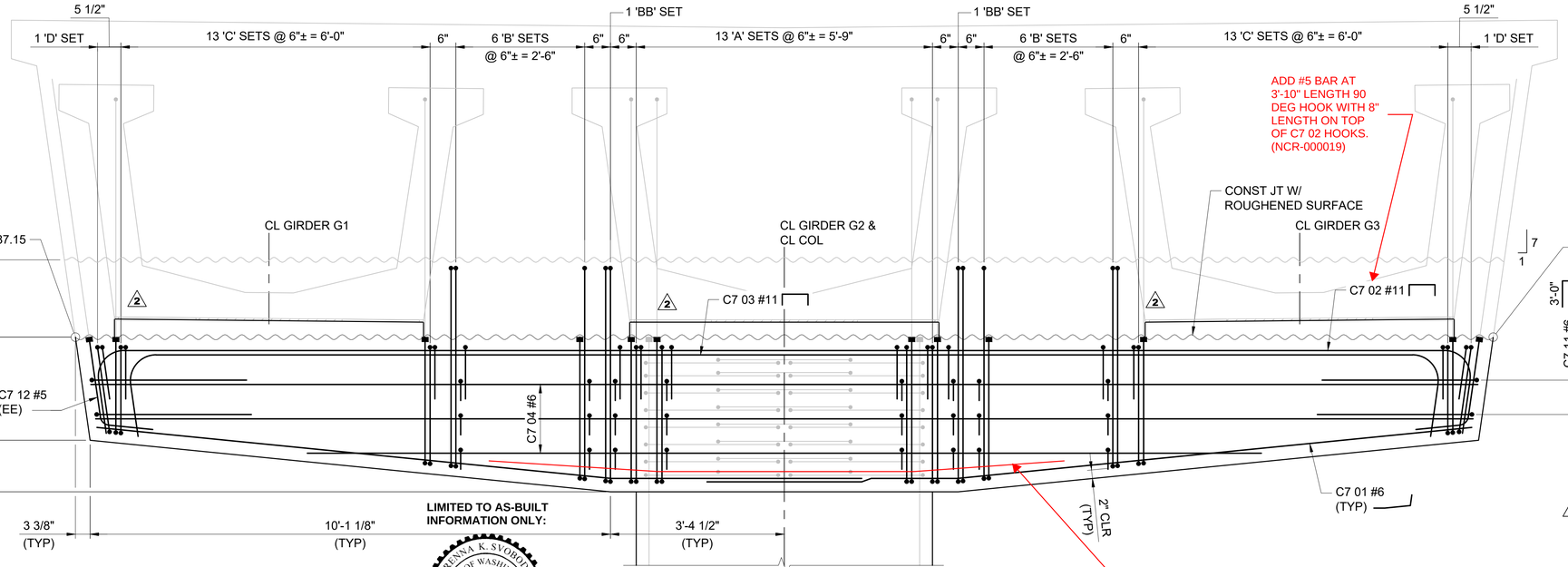
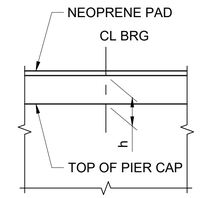


PLAN
SCALE: 3/4" = 1'-0"



ELEVATION A
SCALE: 3/4" = 1'-0"



GIRDER		h D/S	h U/S
G1	LT	4.35"	5.17"
	RT	3.57"	4.39"
G2	LT	3.44"	3.66"
	RT	3.44"	3.66"
G3	LT	4.18"	4.54"
	RT	4.96"	5.32"

NOTE: PLAN VIEW TAKEN AT TOP OF CAP, SLAB REINFORCEMENT NOT SHOWN FOR CLARITY

NOTES:

1. ONE 'A' SET INCLUDES: 2 - C7 05 #6, 2 - C7 06 #6, 1 - C7 13 #11 & 6 - C7 13 #4.
2. ONE 'B' SET INCLUDES: 1 - C7 07 #6, 1 - C7 08 #6, 5 - C7 10 #6 & 6 - C7 13 #4.
3. ONE 'C' SET INCLUDES: 2 - C7 06 #6, 1 - C7 07 #6 & 1 - C7 08 #6.
4. ONE 'D' SET INCLUDES: 1 - C7 07 #6 & 1 - C7 08 #6.
5. THE 'BB' SETS ARE IDENTICAL TO THE 'B' SETS, EXCEPT THAT TWO SETS OF THE 2-C7 10 #6 BARS ARE SUBSTITUTED BY TWO 2-C7 13 #11 BARS.
6. ALL LAP SPLICES SHALL BE STAGGERED UNLESS NOTED OTHERWISE.
7. ELEVATIONS ARE GIVEN ALONG CL OF THE PIER.

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
3	05/13/20	SJD	KF	SJD	NDC-000018 - REVISIONS FOR UTILITY SLEEVES
2	02/12/20	SJD	KF	SJD	NDC-000009 - GIRDER BEARING REVISIONS
1	10/11/19	SJD	KF	SJD	NDC-000002 - REVISED UNIT 3 PIER DIAPHRAGMS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

LUKE J. DESPRADEL, STATE OF WASHINGTON, 23018599, REGISTERED STRUCTURAL ENGINEER, PROFESSIONAL ENGINEER
05-13-2020 EXP: 03-15-21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN | DATE: 11/04/19

Kiewit — SINCE 1884
REVIEWED BY: T. KRAUPA | DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON

SCALE: 3/4" = 1'-0"
FILENAME: 035-B27-SBP106
SUBMITTAL DATE: 11/04/19

RTS PEDESTRIAN BRIDGE

PIER 7 PLAN AND ELEVATION

DRAWING No.: **B27-SBP106**
FACILITY ID: B27
SHEET No.: 35 | REV: 3

RECORD DRAWING #23-2120

05/13/20 | 11:45 AM | ALYSSA.SOLIZ
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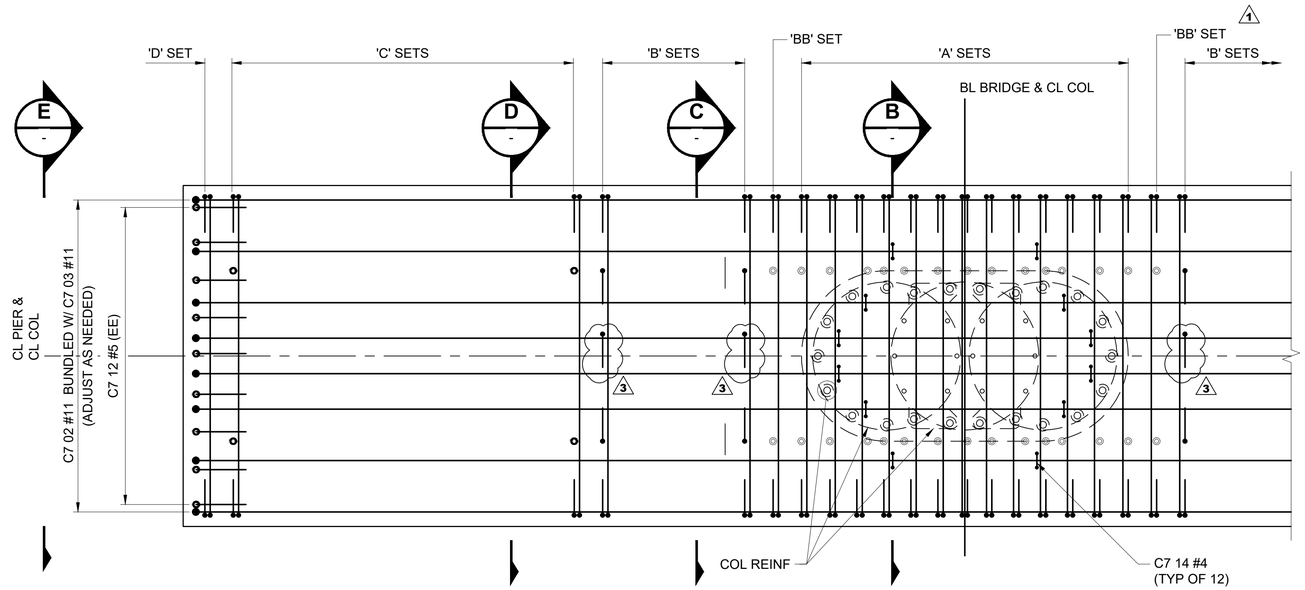
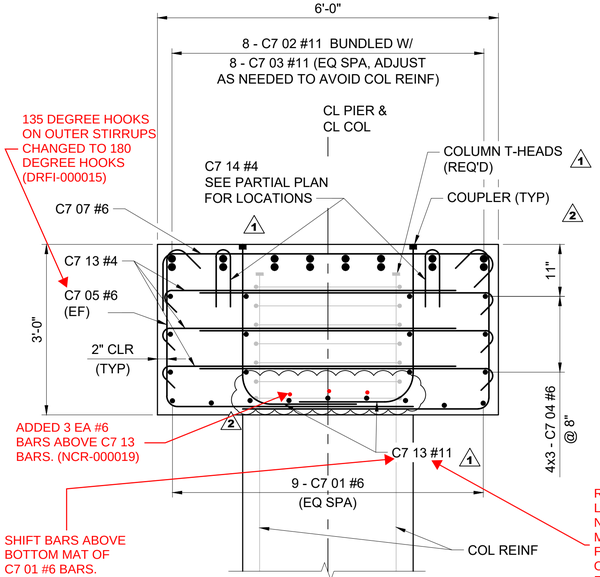
XREF LIST:
xE360-GB-TB22x34.dwg



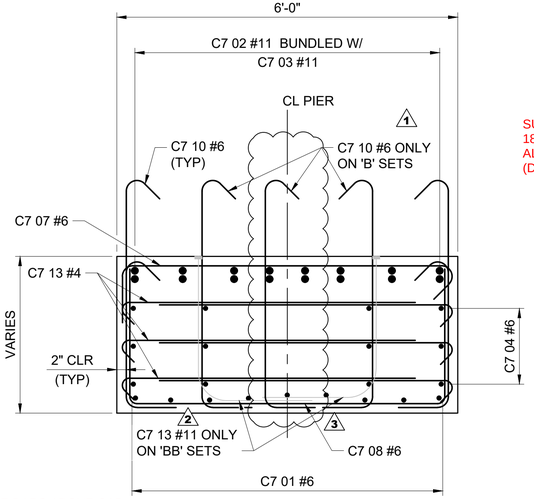
PARTIAL PLAN
SCALE: 3/4" = 1'-0"
(SHOWING REINFORCING TOP MAT ONLY)

LEGEND:

- T-HEADS FOR EXISTING COLUMN VERTICAL REINFORCING
- COUPLER FOR C7 06 #6 OR C7 12 #5 REINFORCING BARS
- COUPLER FOR C7 13 #11 REINFORCING BARS

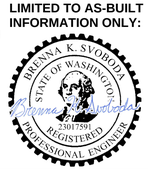


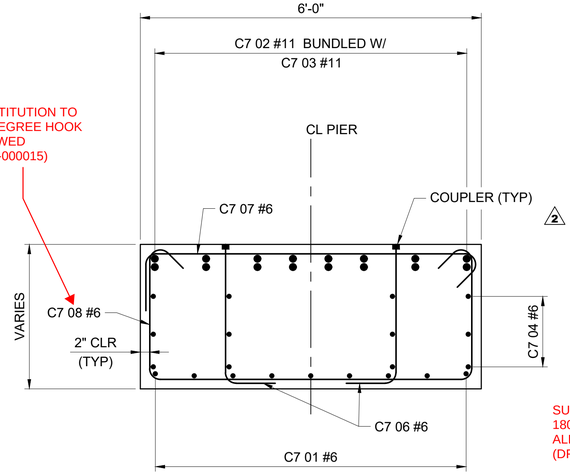
SECTION B
SCALE: 3/4" = 1'-0"
('A' SETS SHOWN)



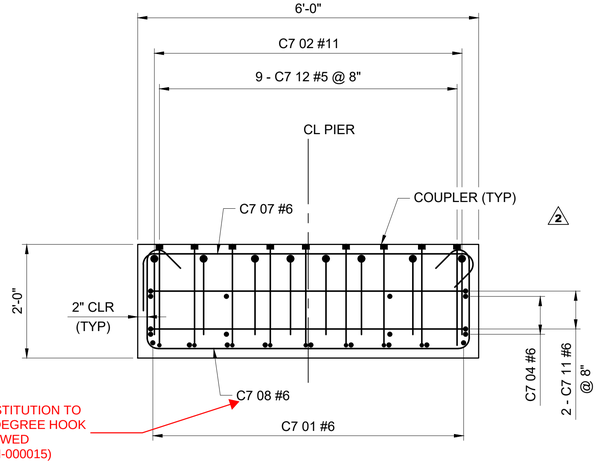
SECTION C
SCALE: 3/4" = 1'-0"
('B' AND 'BB' SETS SHOWN)

LIMITED TO AS-BUILT INFORMATION ONLY:





SECTION D
SCALE: 3/4" = 1'-0"
('C' SETS SHOWN)



VIEW E
SCALE: 3/4" = 1'-0"
('D' SETS SHOWN)

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
3	05/13/20	SJD	KF	SJD	NDC-000018 - REVISIONS FOR UTILITY SLEEVES
2	02/12/20	SJD	KF	SJD	NDC-000009 - REVISED PIER 7 DIAPHRAGM
1	10/11/19	SJD	KF	SJD	NDC-000002 - REVISED UNIT 3 PIER DIAPHRAGMS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

LUKAS J. DESPRADEL — STATE OF WASHINGTON — 23018 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
05-13-2020 EXP: 03-15-21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19

Kiewit — SINCE 1ST ISSUE

REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: AS NOTED
FILENAME: 036-B27-SBX106
SUBMITTAL DATE: 11/04/19

RTS PEDESTRIAN BRIDGE

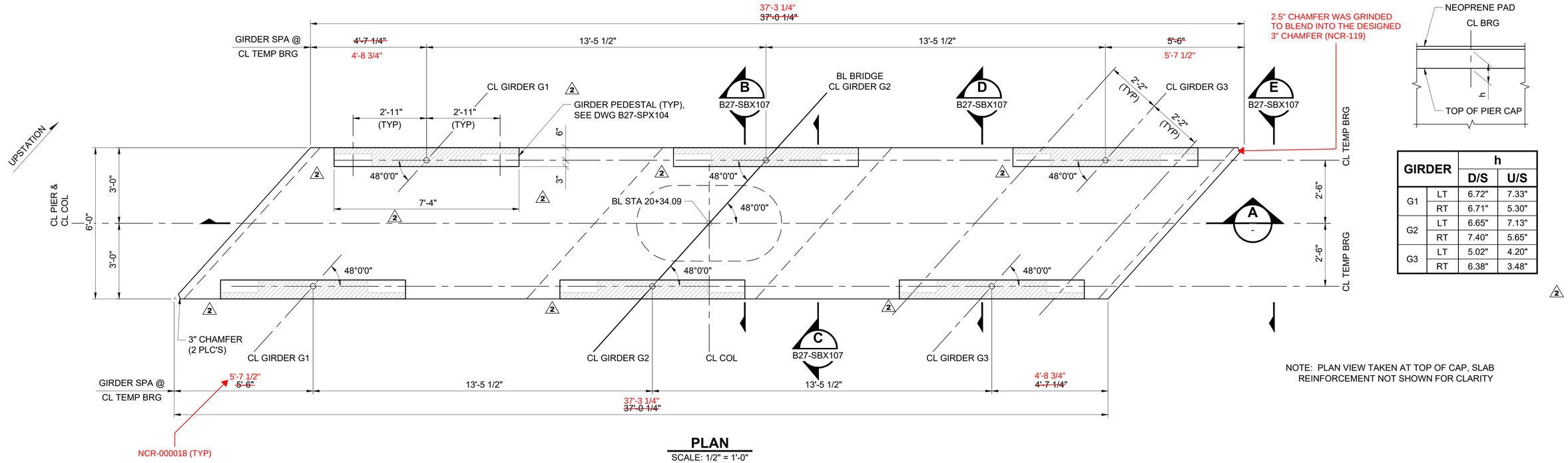
PIER 7 SECTIONS AND DETAILS

DRAWING No.: B27-SBX106
FACILITY ID: B27
SHEET No.: 36
REV: 3

RECORD DRAWING #23-2121

05/13/20 | 11:50 AM | ALYSSA.SOLIZ
C:\PROJECTWISE\KIEWISE\D0625510\036-B27-SBX106.DWG

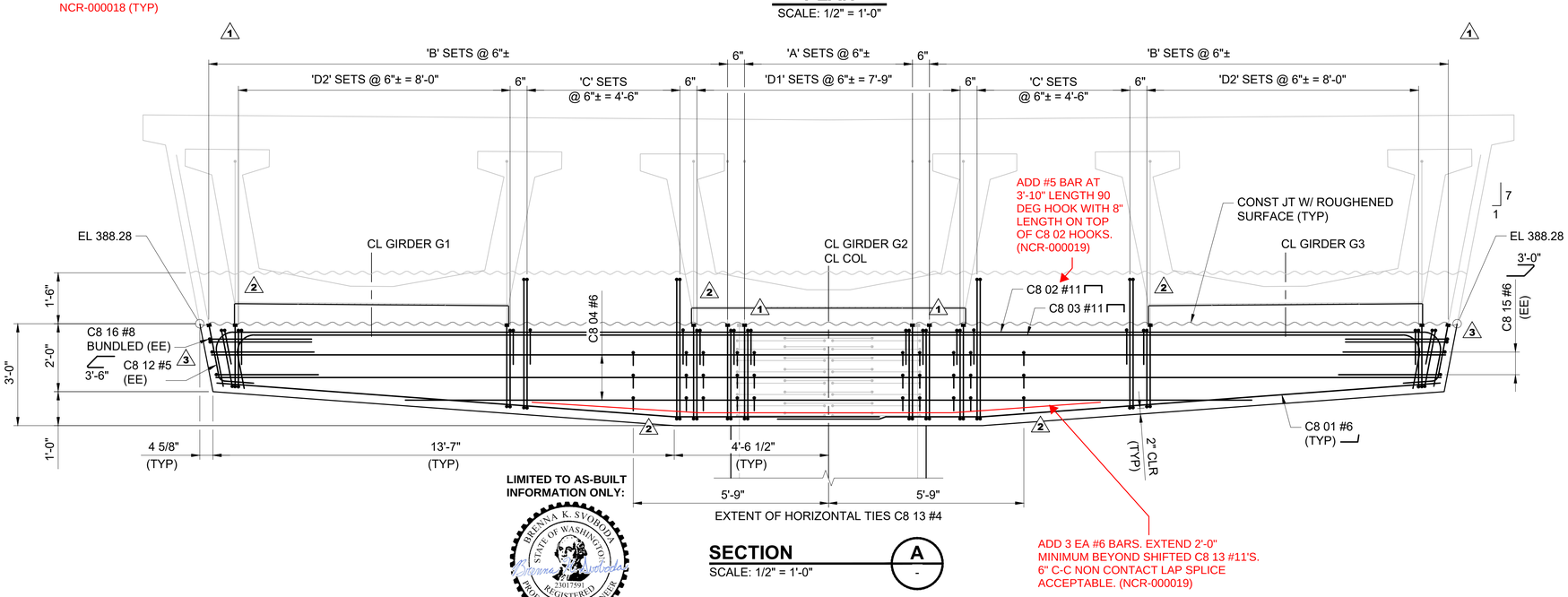
XREF LIST:
xE360-GB-TB22x34.dwg



GIRDER		h	
		D/S	U/S
G1	LT	6.72"	7.33"
	RT	6.71"	5.30"
G2	LT	6.65"	7.13"
	RT	7.40"	5.65"
G3	LT	5.02"	4.20"
	RT	6.38"	3.48"

NOTE: PLAN VIEW TAKEN AT TOP OF CAP, SLAB REINFORCEMENT NOT SHOWN FOR CLARITY

PLAN
SCALE: 1/2" = 1'-0"



LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA STATE OF WASHINGTON 23017591 REGISTERED PROFESSIONAL ENGINEER

SECTION
SCALE: 1/2" = 1'-0"

A -

NOTES:

1. ONE 'A' SET INCLUDES: 2 - C8 05 #6, 1 - C8 07 #6, AND 6 - C8 13 #4.
2. ONE 'B' SET INCLUDES: 1 - C8 07 #6, 2 - C8 08 #6, AND 1 - C8 09 #6.
3. ONE 'C' SET INCLUDES: 7 - C8 10 #6
4. ONE 'D1' SET INCLUDES: 2 - C8 11 #11
5. ONE 'D2' SET INCLUDES: 2 - C8 06 #6
6. THE 'A' AND 'B' SETS ARE COMBINED WITH 'C', 'D1' OR 'D2' SETS ACCORDING TO THE PARTIAL PLAN, SEE DRAWING B27-SBX107.
7. ALL LAP SPLICES SHALL BE STAGGERED UNLESS NOTED OTHERWISE.
8. ELEVATIONS ARE GIVEN ALONG CL OF THE PIER.

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
4	05/13/20	SJD	KF	SJD	NDC-000018 - REVISIONS FOR UTILITY SLEEVES
3	04/01/20	SJD	KF	SJD	NDC-000014 - REVISED PER RFI-000040
2	02/12/20	SJD	KF	SJD	NDC-000009 - GIRDER BEARING REVISIONS
1	10/11/19	SJD	KF	SJD	NDC-000002 - REVISED UNIT 3 PIER DIAPHRAGMS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JULIKE J. DESPRADEL STATE OF WASHINGTON 24260 STRUCTURAL ENGINEER PROFESSIONAL ENGINEER
05-13-2020 EXP: 03-15-21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN

Kiewit
DATE: 11/04/19
REVIEWED BY: T. KRAUPA

LINE IS 1" AT FULL SCALE

CityofRedmond
DATE: 11/04/19

SCALE: 1/2" = 1'-0"
FILENAME: 037-B27-SBP107
SUBMITTAL DATE: 11/04/19

RTS PEDESTRIAN BRIDGE

PIER 8 PLAN AND ELEVATION

DRAWING No.: **B27-SBP107**
FACILITY ID: B27
SHEET No.: 37
REV: 4

RECORD DRAWING #23-2122

05/13/20 | 12:14 PM | ALYSSA SOLIZ
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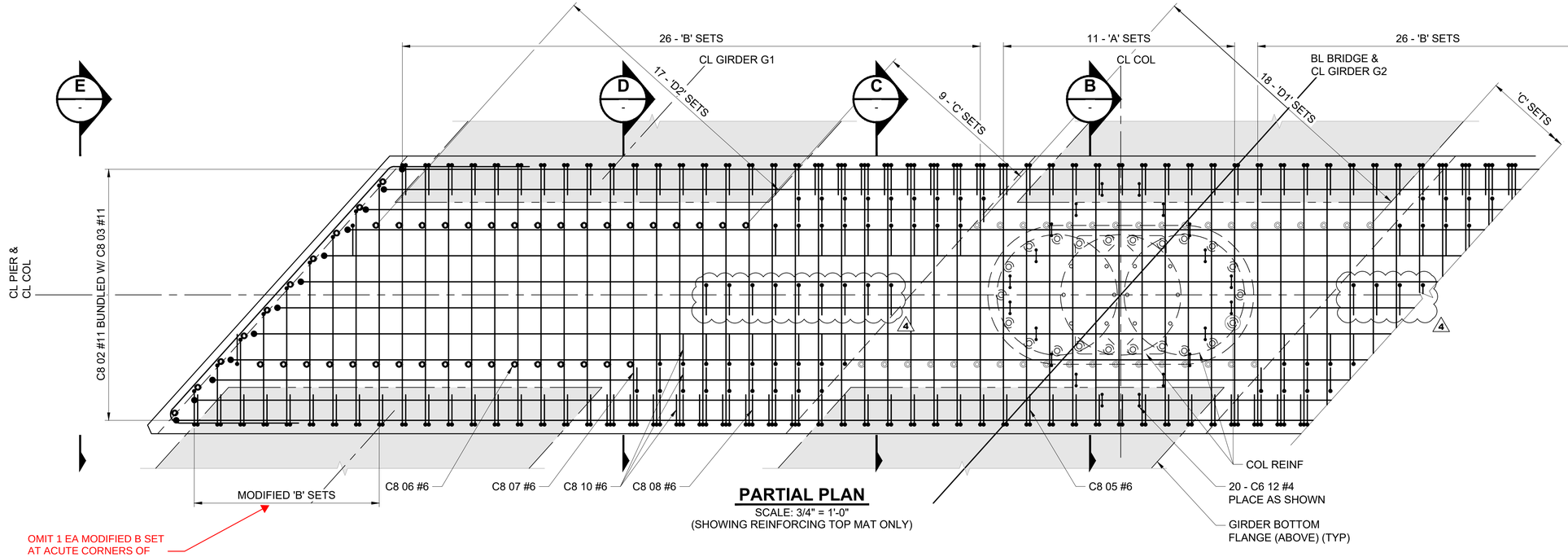
XREF LIST:
xE360-GB-TB22x34.dwg



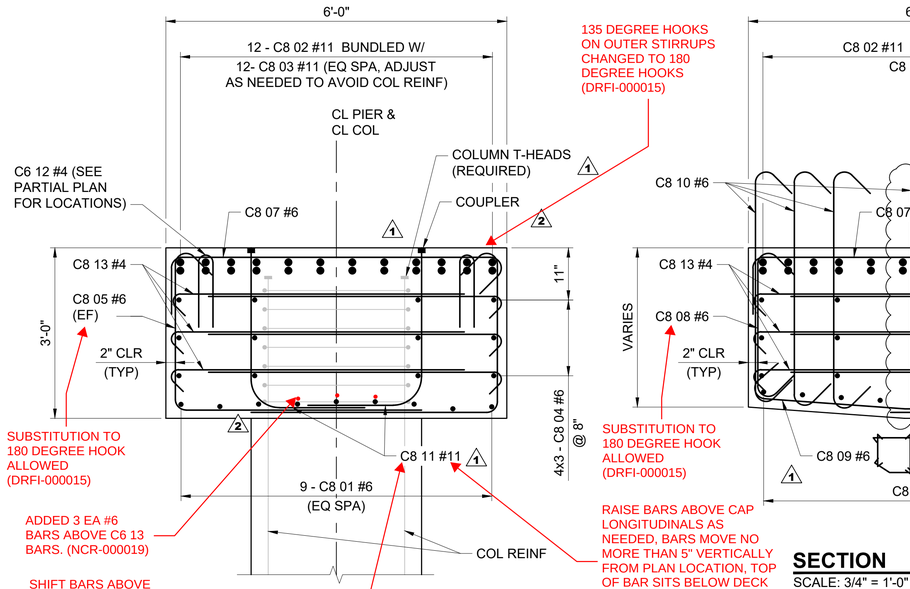
PARTIAL PLAN
SCALE: 3/4" = 1'-0"
(SHOWING REINFORCING TOP MAT ONLY)

LEGEND: 1

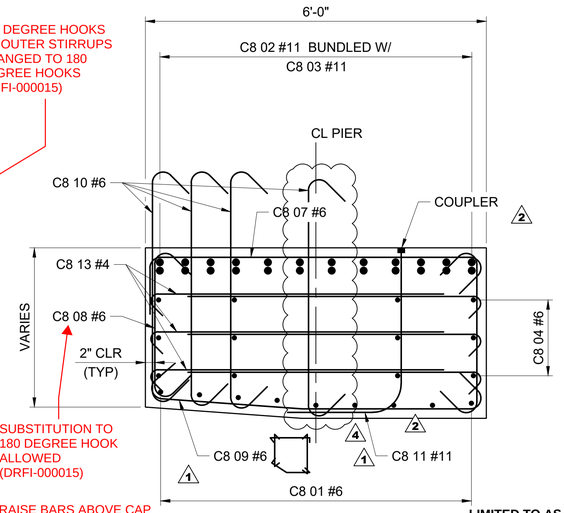
- T-HEADS FOR EXISTING COLUMN VERTICAL REINFORCING
- COUPLER FOR C8 06 #6 REINFORCING BARS
- 1 COUPLER FOR C8 11 #11 REINFORCING BARS

NOTES:

1. MODIFIED 'B' SETS CONSIDER 'B' SETS THAT ARE MODIFIED FOR THE VARYING WIDTH.



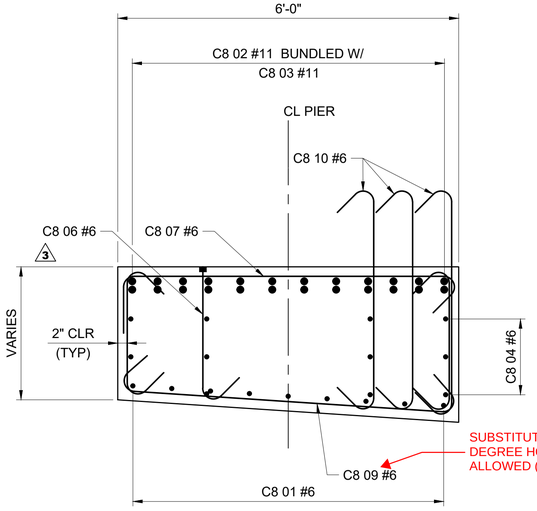
SECTION B
SCALE: 3/4" = 1'-0"
('A' WITH 'D1' SETS SHOWN)
B27-SBP107



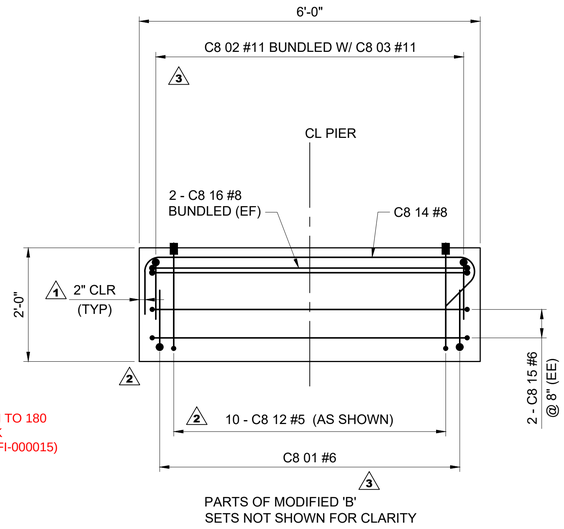
SECTION C
SCALE: 3/4" = 1'-0"
('B' WITH 'C' AND 'D1' SETS SHOWN)
B27-SBP107

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER



SECTION D
SCALE: 3/4" = 1'-0"
('B' WITH 'C' AND 'D2' SETS SHOWN)
B27-SBP107



PARTS OF MODIFIED 'B' SETS NOT SHOWN FOR CLARITY

VIEW E
SCALE: 3/4" = 1'-0"
B27-SBP107

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
4	05/13/20	SJD	KF	SJD	NDC-000018 - REVISIONS FOR UTILITY SLEEVES
3	04/01/20	SJD	KF	SJD	NDC-000014 - REVISED PER RFI-000040
2	02/12/20	SJD	KF	SJD	NDC-000009 - REVISED PIER 8 DIAPHRAGM
1	10/11/19	SJD	KF	SJD	NDC-000002 - REVISED UNIT 3 PIER DIAPHRAGMS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: D. DESPRADEL

DOUGLAS J. DESPRADEL — STATE OF WASHINGTON — 23036 — STRUCTURAL PROFESSIONAL ENGINEER
05-13-2020 EXP: 03-15-21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN

Kiewit — SINCE 1884
DATE: 11/04/19
REVIEWED BY: T. KRAUPA

LINE IS 1" AT FULL SCALE

CityofRedmond — WASHINGTON
DATE: 11/04/19

SCALE: 3/4" = 1'-0"
FILENAME: 038-B27-SBX107
SUBMITTAL DATE: 11/04/19

RTS PEDESTRIAN BRIDGE

PIER 8 SECTIONS AND DETAILS

DRAWING No.: B27-SBX107
FACILITY ID: B27
SHEET No.: 38
REV: 4

05/13/20 | 12:17 PM | ALYSSA.SOLIZ
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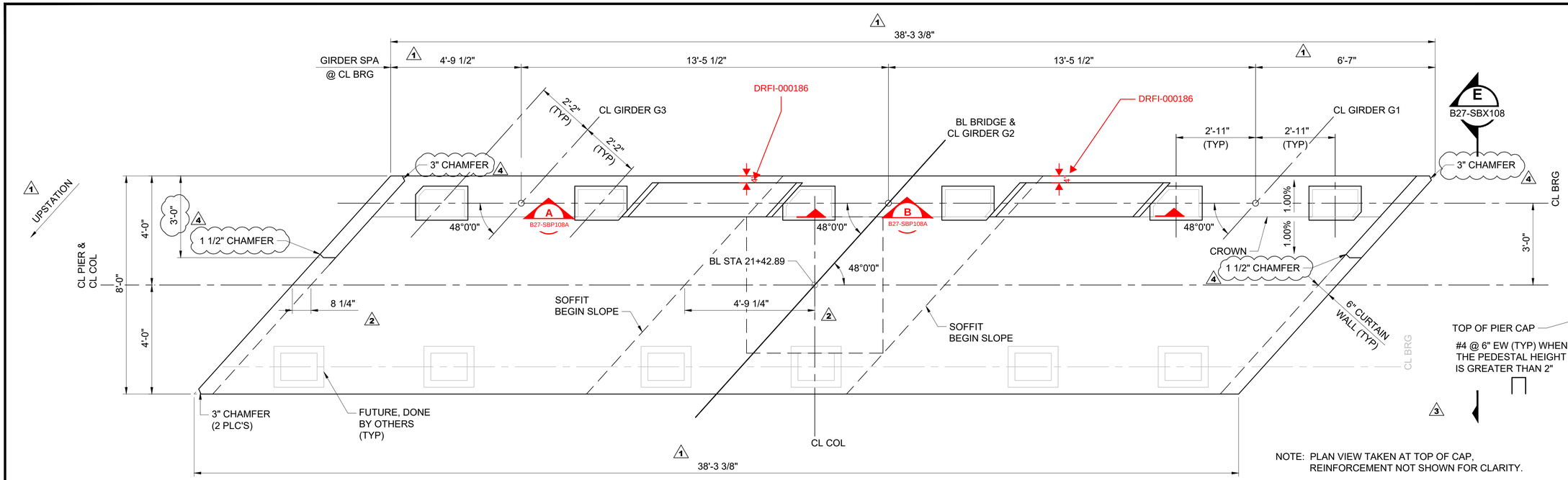
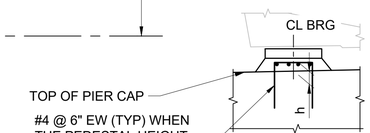
RECORD DRAWING #23-2123

XREF LIST:
xE360-GB-TB22x34.dwg



PLAN
SCALE: 1/2" = 1'-0"

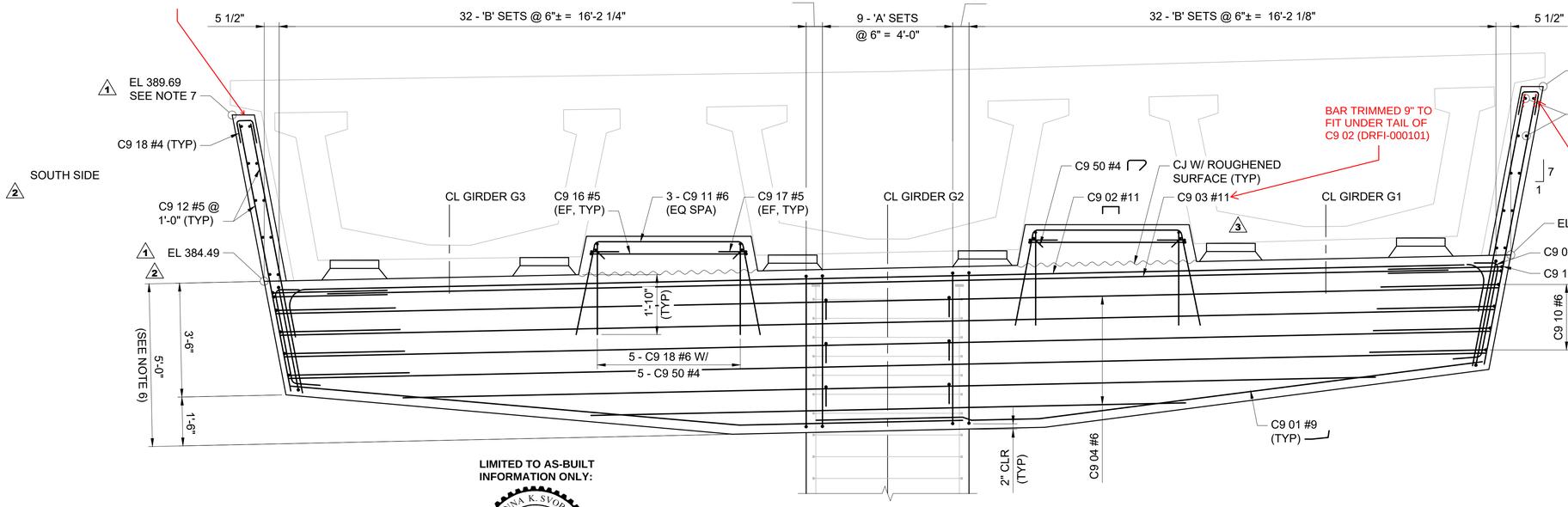


GIRDER		h
G1	LT	4.30"
	RT	4.12"
G2	LT	2.32"
	RT	2.69"
G3	LT	3.10"
	RT	4.23"

NOTE: PLAN VIEW TAKEN AT TOP OF CAP, REINFORCEMENT NOT SHOWN FOR CLARITY.

PROVIDE 2" GAP BETWEEN DECK SOFFIT AND TOP OF WALL (TYP) (DRFI-000595)

MAINTAIN DIMENSION H, REDUCE CLEAR COVER FROM TOP OF REBAR TO TOP OF PAD TO 1.5". (DRFI-000102)



SECTION
SCALE: 1/2" = 1'-0"
(LOOKING DOWNSTATION)
A
-

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

NOTES:

1. ALL LAP SPLICES SHALL BE STAGGERED UNLESS NOTED OTHERWISE.
2. ONE 'A' SET INCLUDES: 2 - C9 06 #6, 2 - C9 08 #6 & 6 - C9 09a #6.
3. ONE 'B' SET INCLUDES: 2 - C9 07 #6 & 1 - C9 09 #6.
4. ELEVATIONS ARE GIVEN ALONG CL OF THE PIER.
5. GIRDER STOP SHALL BE CAST WITH ELASTOMERIC PAD. SEE BEARING DETAILS.
6. VERTICAL DIMENSIONS ARE GIVEN AT THE UPSTATION FACE OF THE PIER CAP. THE DOWNSTATION FACE IS SLIGHTLY TALLER DUE TO THE CROSS SLOPE ON THE PIER CAP. SEE SECTIONS.
7. ELEVATION GIVEN AT CL OF BEARING.

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
4	07/07/20	SJD	KF	SJD	NDC-000028 - CURTAIN WALL REVISIONS
3	04/01/20	SJD	KF	SJD	NDC-000014 - SHOP DRAWING REVIEW COORDINATION
2	02/12/20	SJD	KF	SJD	NDC-000009 - GIRDER BEARING REVISIONS
1	10/11/19	SJD	KF	SJD	NDC-000002 - REVISED PIER CAP ELEVATIONS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JACKIE J. DESPRADEL — STATE OF WASHINGTON — 22006 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
7/7/2 EXP:3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
LINE IS 1" AT FULL SCALE
CityofRedmond
SCALE: 1/2" = 1'-0"
FILENAME: 039-B27-SBP108
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE
PIER 9 PLAN AND ELEVATION

DRAWING No.: **B27-SBP108**
FACILITY ID: B27
SHEET No.: 39
REV: 4

07/07/20 | 4:00 PM | ALYSSA.SOLIZ
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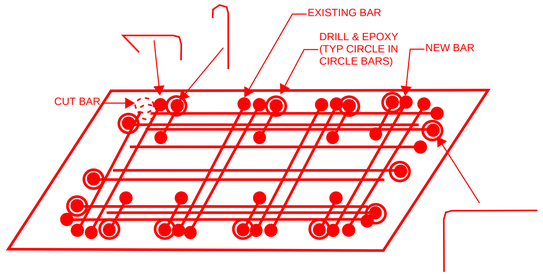
RECORD DRAWING #23-2124

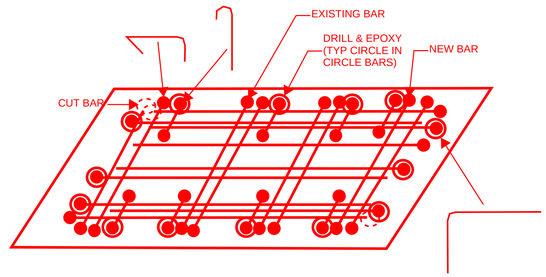
XREF LIST:
xE360-GB-TB22x34.dwg



BETWEEN GIRDER G3 AND G2

A
B27-SBP108

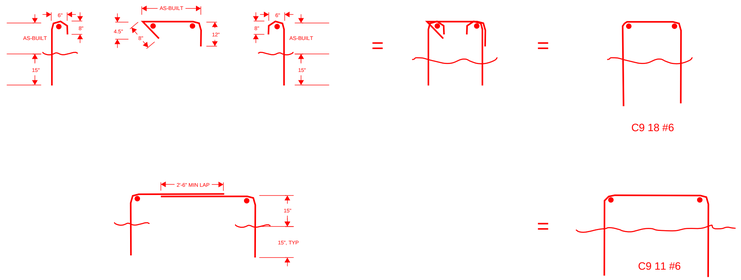
SCALE: NTS



BETWEEN GIRDER G2 AND G1

B
B27-SBP108

SCALE: NTS



NOTES:

1. CUT BARS IN CONFLICT WITH GIRDER
2. REPLACE CUT BARS WITH DRILLED & EPOXIED REPLACEMENT BARS
3. ADD DRILLED & EPOXIED REPLACEMENT BARS FOR LOCATIONS WHERE BARS ARE SHORT, EMBED BAR 15" MINIMUM
4. REPLACE 100% OF LOST STEEL

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA
STATE OF WASHINGTON
23017591
REGISTERED
PROFESSIONAL ENGINEER

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY:
APPROVED BY:

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY:

Kiewit

DATE:

REVIEWED BY:

DATE:

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: 1/2" = 1'-0"
FILENAME: 039-B27-SBP108A

SUBMITTAL DATE:

RTS PEDESTRIAN BRIDGE

NCR-000063 PIER 9 SHEAR KEY DETAILS

DRAWING No.: **B27-SBP108A**
FACILITY ID: B27
SHEET No.:
REV: 0

RECORD DRAWING #23-2125

07/07/20 | 4:00 PM | ALYSSA.SOLIZ
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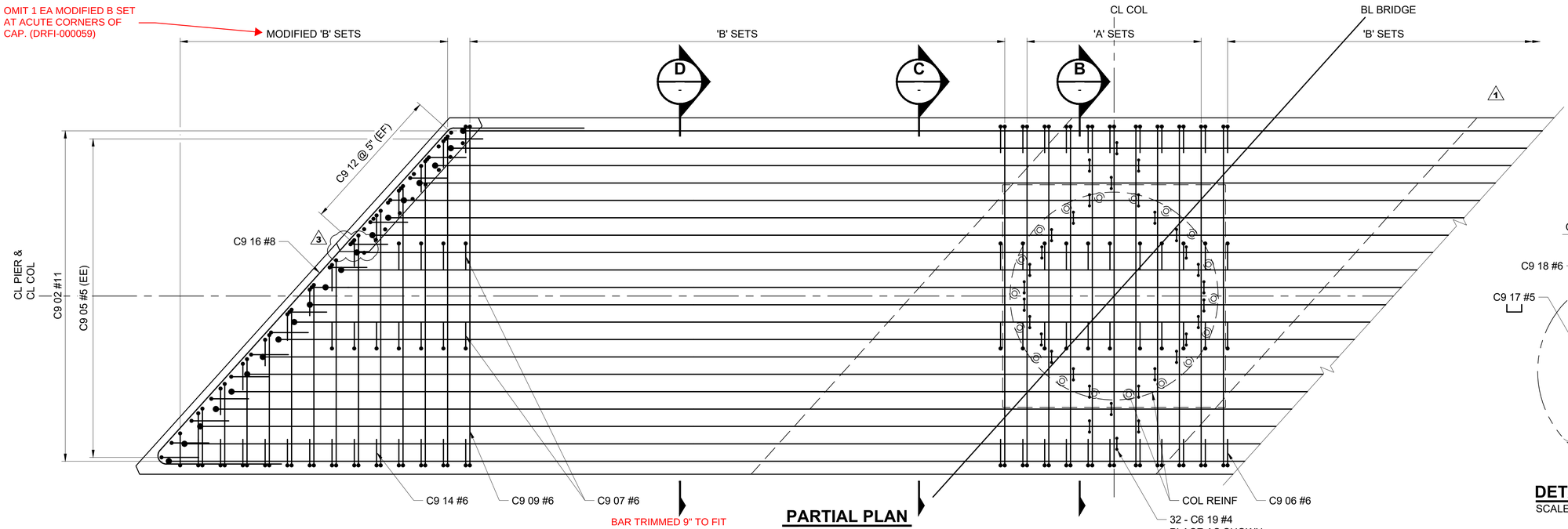
XREF LIST:
xE360-GB-TB22x34.dwg

OMIT 1 EA MODIFIED B SET AT ACUTE CORNERS OF CAP. (DRFI-000059)

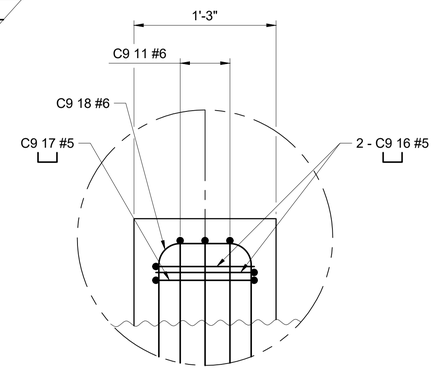
NOTES:
1. 6 EA C9 06 #6 BARS TRIMMED AND LAPPED WITH STANDARD HOOK. 2'-0" MINIMUM LAP REQUIRED. (DRFI-000094)



PARTIAL PLAN
SCALE: 3/4" = 1'-0"
(SHOWING REINFORCING TOP MAT ONLY)

LEGEND:

COUPLER FOR EXISTING COLUMN VERTICAL REINFORCING

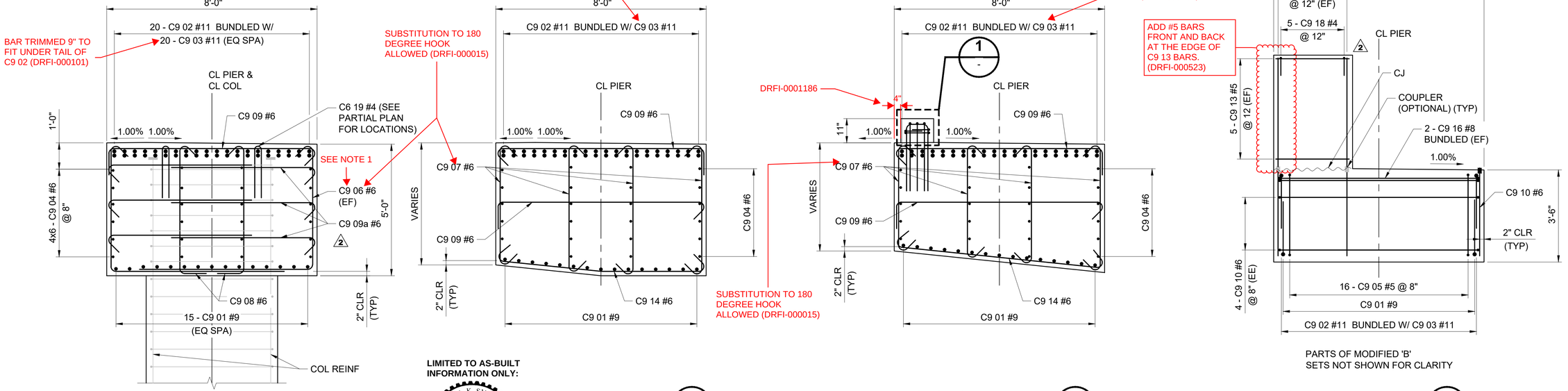


DETAIL 1
SCALE: 1 1/2" = 1'-0"

BAR TRIMMED 9" TO FIT UNDER TAIL OF C9 02 (DRFI-000101)

BAR TRIMMED 9" TO FIT UNDER TAIL OF C9 02 (DRFI-000101)

ADD #5 BARS FRONT AND BACK AT THE EDGE OF C9 13 BARS. (DRFI-000523)



SECTION B
SCALE: 1/2" = 1'-0"
('A' SETS SHOWN)

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA STATE OF WASHINGTON 23017591 REGISTERED PROFESSIONAL ENGINEER

SECTION C
SCALE: 1/2" = 1'-0"
('B' SETS SHOWN)

SECTION D
SCALE: 1/2" = 1'-0"
('B' SETS SHOWN)

PARTS OF MODIFIED 'B' SETS NOT SHOWN FOR CLARITY

SECTION E
SCALE: 1/2" = 1'-0"
('B' SETS SHOWN)
B27-SBP108

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
3	07/07/20	SJD	KF	SJD	NDC-000028 - CURTAIN WALL REVISIONS
2	04/01/20	SJD	KF	SJD	NDC-000014 - SHOP DRAWING REVIEW COORDINATION
1	10/11/19	SJD	KF	SJD	NDC-000002 - REVISED UNIT 3 PIER CAP
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

LUKRE J. DESPRADEL STATE OF WASHINGTON 21082 STRUCTURAL ENGINEER PROFESSIONAL ENGINEER
7/7/2 EXP:3/15/21

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

Kiewit

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON

SCALE: AS NOTED
FILENAME: 040-B27-SBX108
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

PIER 9 SECTIONS AND DETAILS

DRAWING No.: B27-SBX108
FACILITY ID: B27
SHEET No.: 40
REV: 3

07/07/20 | 4:01 PM | ALYSSA.SOLIZ
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RECORD DRAWING #23-2126

XREF LIST:
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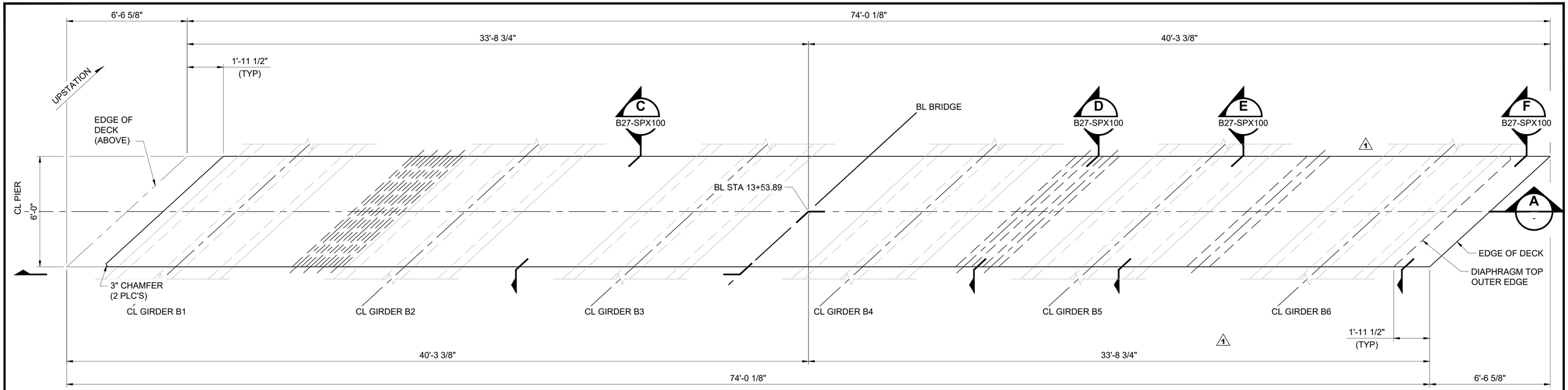
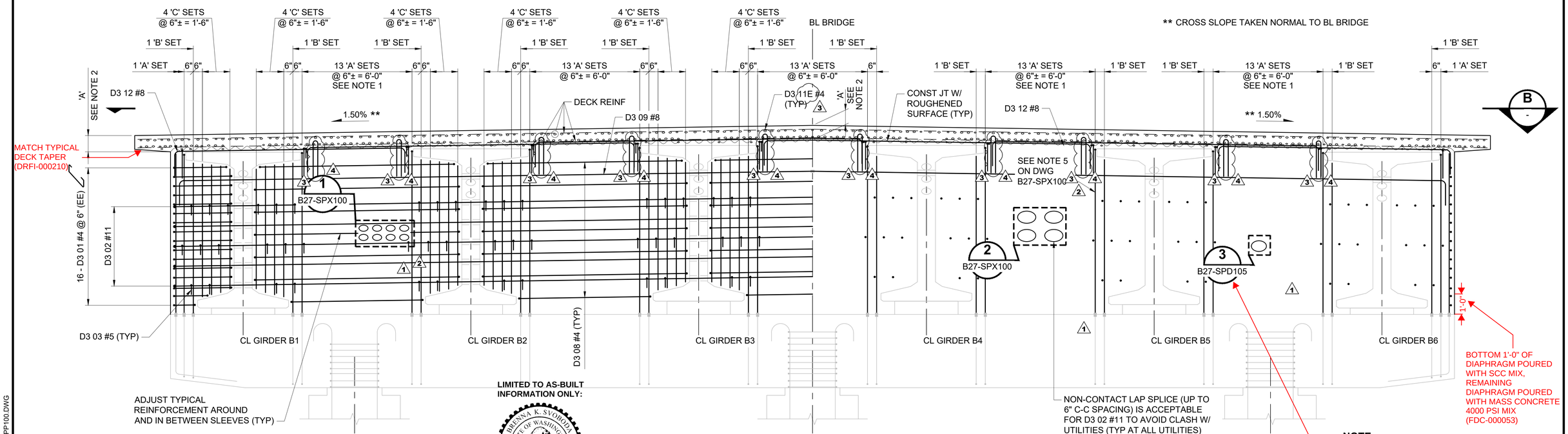


SECTION B
SCALE: 3/8" = 1'-0"

** CROSS SLOPE TAKEN NORMAL TO BL BRIDGE



SECTION A
SCALE: 3/8" = 1'-0"

ADJUST TYPICAL
REINFORCEMENT AROUND
AND IN BETWEEN SLEEVES (TYP)

NON-CONTACT LAP SPLICE (UP TO 6" C-C SPACING) IS ACCEPTABLE FOR D3 02 #11 TO AVOID CLASH W/ UTILITIES (TYP AT ALL UTILITIES)

TRIM D3 02 #11 WHERE CONFLICTS WITH STORM DRAIN BLOCKOUT AND ATTACH HRC-670 T-HEADS. MAINTAIN 1'-2" MAX SPACING BETWEEN TRIMMED ENDS OF BAR. ADD 2 EA #11 BARS AT 8'-6" LENGTH WITH HRC-670 HEADS EACH END SPACED 2'-8" C-C, CENTERED ON BLOCKOUT. ADD BUNDLED #4 HAIRPINS AT 3'-8" SPACING. (DRFI-000079)

BOTTOM 1'-0" OF DIAPHRAGM POURED WITH SCC MIX, REMAINING DIAPHRAGM POURED WITH MASS CONCRETE 4000 PSI MIX (FDC-000053)

NOTE:
FOR NOTES, SEE DRAWING B27-SPX100.

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
4	06/30/20	SJD	KF	SJD	NDC-000029 - P3/P4 GIRDER SHIFT
3	04/17/20	SJD	KF	SJD	NDC-000015 - ADDED EPOXY DESIGNATION
2	02/12/20	SJD	KF	SJD	NDC-00009 - ADDED UTILITY DETAIL
1	11/04/19	SJD	KF	SJD	NDC-00003 - UPDATED SLEEVES/REMOVED DIMS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: D. HENDERSON
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

ODARE J. DESPRADEL — STATE OF WASHINGTON — 23036 — PROFESSIONAL ENGINEER
6/30/20 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN

Kiewit — SINCE 1884
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond — WASHINGTON

SCALE: 3/8" = 1'-0"
FILENAME: 072-B27-SPP100
SUBMITTAL DATE: 11/04/19

RTS PEDESTRIAN BRIDGE

UNIT 2 - PIER 3 DIAPHRAGM
PLAN AND ELEVATION

DRAWING No.: **B27-SPP100**
FACILITY ID: B27
SHEET No.: 72
REV: 4

06/30/20 | 7:24 AM | ALYSSA.SOLIZ
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RECORD DRAWING #23-2127

XREF LIST:
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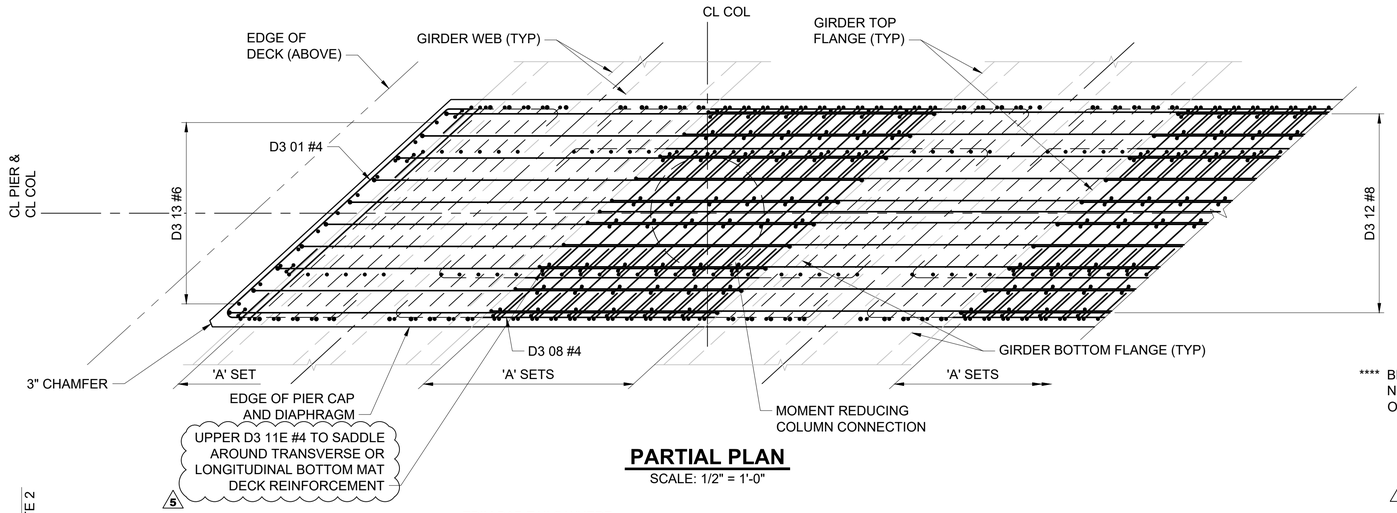
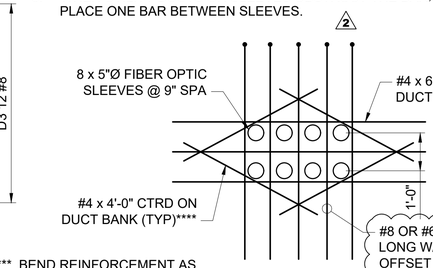


PARTIAL PLAN
SCALE: 1/2" = 1'-0"

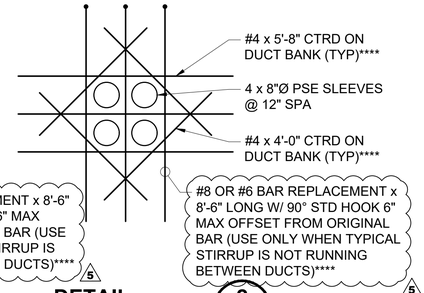
NOTES:

1. CONST JT CAN BE PLACED AT SLAB SOFFIT IN ORDER TO COVER D3 12 #8 BARS. REBAR CAN BE PLACED ON TOP OF PRECAST GIRDER TOP FLANGE.
2. FOR DIMENSION 'A', SEE DRAWING B27-SGV206.
3. CUT VERTICAL BARS TO AVOID UTILITIES AND SPLICE WITH ADDITIONAL BARS AS SHOWN.
4. ALL #11 REINFORCEMENT MAY BE SPLICED WITH HRC 500 SPLICE COUPLER, OR EQUIVALENT APPROVED BY THE ENGINEER OF RECORD.
5. WHEN UTILITY DUCTS OR SLEEVES OBSTRUCT THE BAR, BUNDLE BARS AT EACH SIDE OF THE UTILITY DUCT, OR GROUP OF SLEEVES. PLACE ONE BAR BETWEEN SLEEVES.

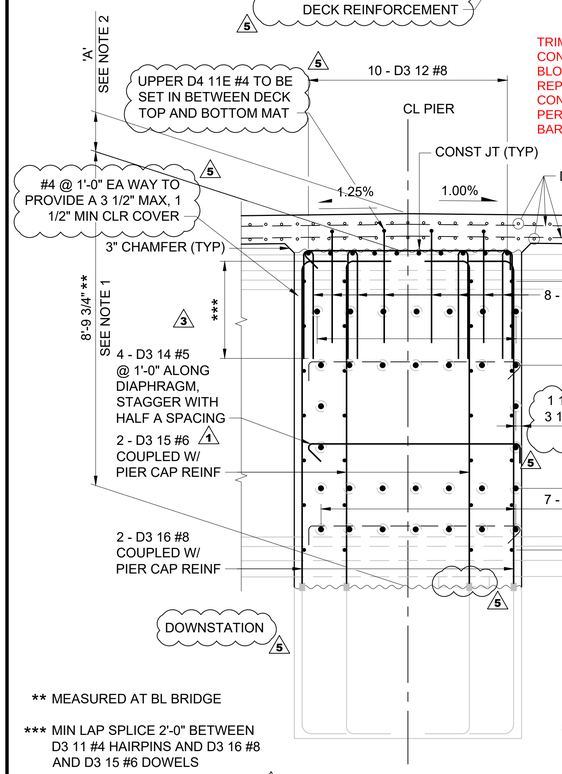


**** BEND REINFORCEMENT AS NECESSARY AT JOINTS OR OTHER OBSTRUCTIONS.

DETAIL 1
SCALE: 1/2" = 1'-0" B27-SPP100

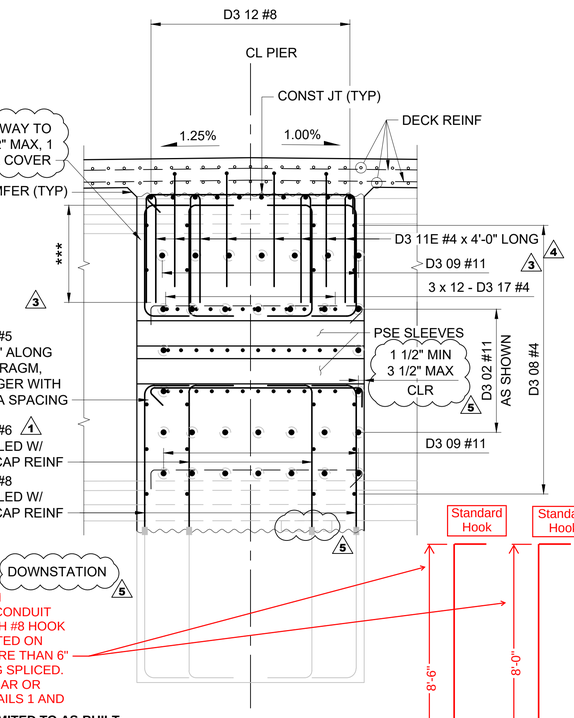


DETAIL 2
SCALE: 1/2" = 1'-0" B27-SPP100

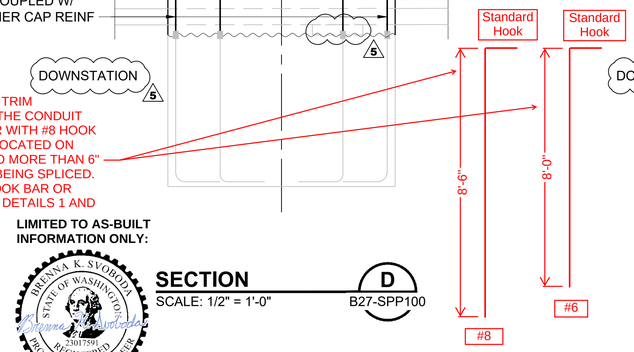


SECTION C
SCALE: 1/2" = 1'-0" B27-SPP100

TRIM BAR TAILS WHERE CONFLICTING WITH UTILITY BLOCKOUTS. ADD BARS TO REPLACE STEEL, 2'-0" MIN LAP, NON CONTACT SPACING 6" MAX PERMITTED. EPOXY COAT TIP OF BAR. (DRFI-000088)



UTILITY SLEEVE CONFLICTS. TRIM CONFLICTING BARS BELOW THE CONDUIT BLOCKOUT. REPLACE #8 BAR WITH #8 HOOK BAR. #8 HOOK BAR MAY BE LOCATED ON INSIDE FACE OF #11 BARS NO MORE THAN 6" AWAY FROM ORIGINAL BAR BEING SPLICED. REPLACE #6 BAR WITH #6 HOOK BAR OR 5'-8" #4 BAR AS SPECIFIED IN DETAILS 1 AND 2. (DRFI-000077)

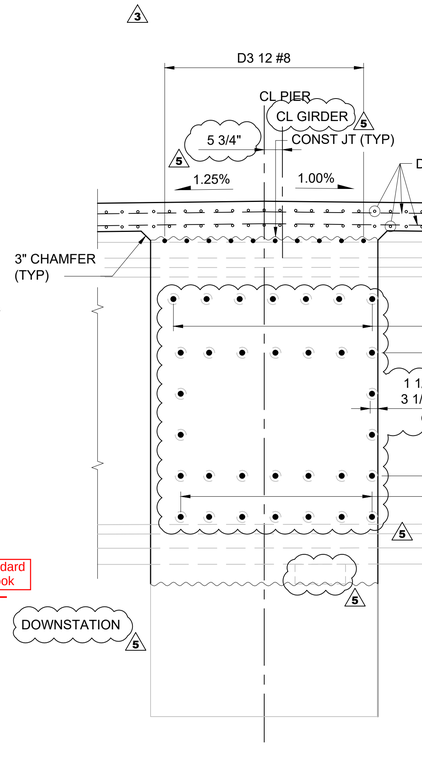


** MEASURED AT BL BRIDGE

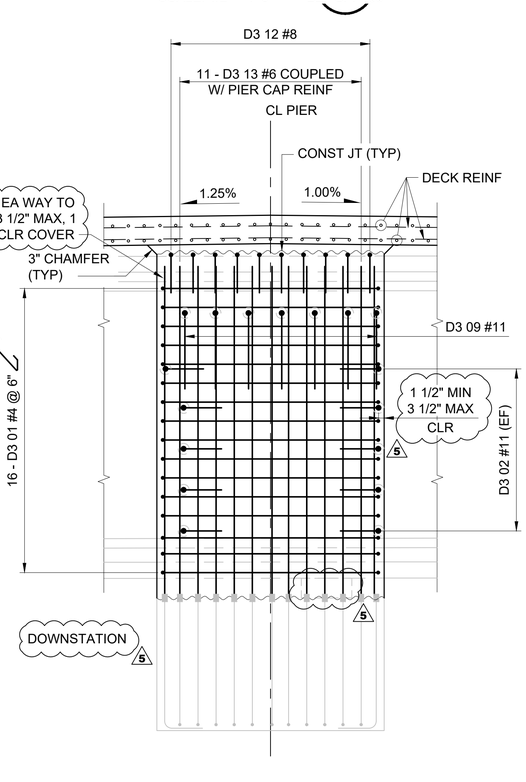
*** MIN LAP SPLICE 2'-0" BETWEEN D3 11 #4 HAIRPINS AND D3 16 #8 AND D3 15 #6 DOWELS

LIMITED TO AS-BUILT INFORMATION ONLY:

SECTION D
SCALE: 1/2" = 1'-0" B27-SPP100



SECTION E
SCALE: 1/2" = 1'-0" B27-SPP100



SECTION F
SCALE: 1/2" = 1'-0" B27-SPP100

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
5	06/30/20	SJD	KF	SJD	NDC-000029 - P3/P4 GIRDER SHIFT
4	04/17/20	SJD	KF	SJD	NDC-000015 - ADDED EPOXY DESIGNATIONS
3	02/12/20	SJD	KF	SJD	NDC-000009 - ADDED UTILITY DETAILS
2	11/04/19	SJD	KF	SJD	NDC-00003 - NEW NOTE
1	10/11/19	SJD	KF	SJD	NDC-000002 - CORRECTION OF BAR MARK
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: D. HENDERSON
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

LUKE J. DESPRADEL — STATE OF WASHINGTON — 23036 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
7/23/2020 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN

Kiewit — SINCE 1884
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON
SCALE: 1/2" = 1'-0"
FILENAME: 073-B27-SPX100
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UNIT 2 - PIER 3 DIAPHRAGM
SECTIONS AND DETAILS

DRAWING No.: **B27-SPX100**
FACILITY ID: B27
SHEET No.: 73
REV: 5

07/22/20 | 10:15 PM | ALYSSA.SOLIZ
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RECORD DRAWING #23-2128

XREF LIST:
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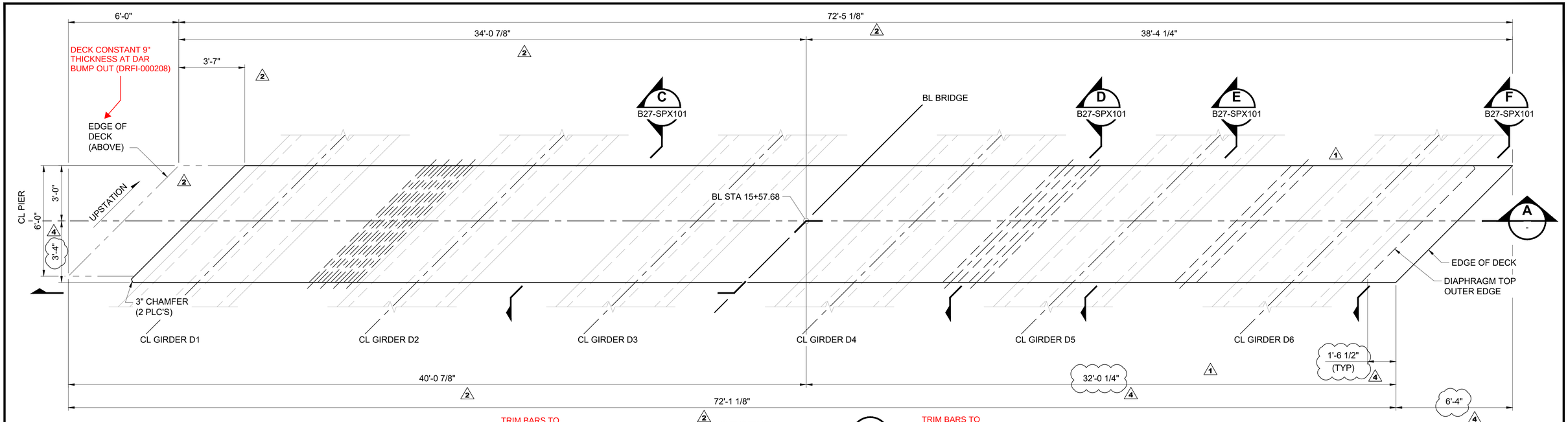
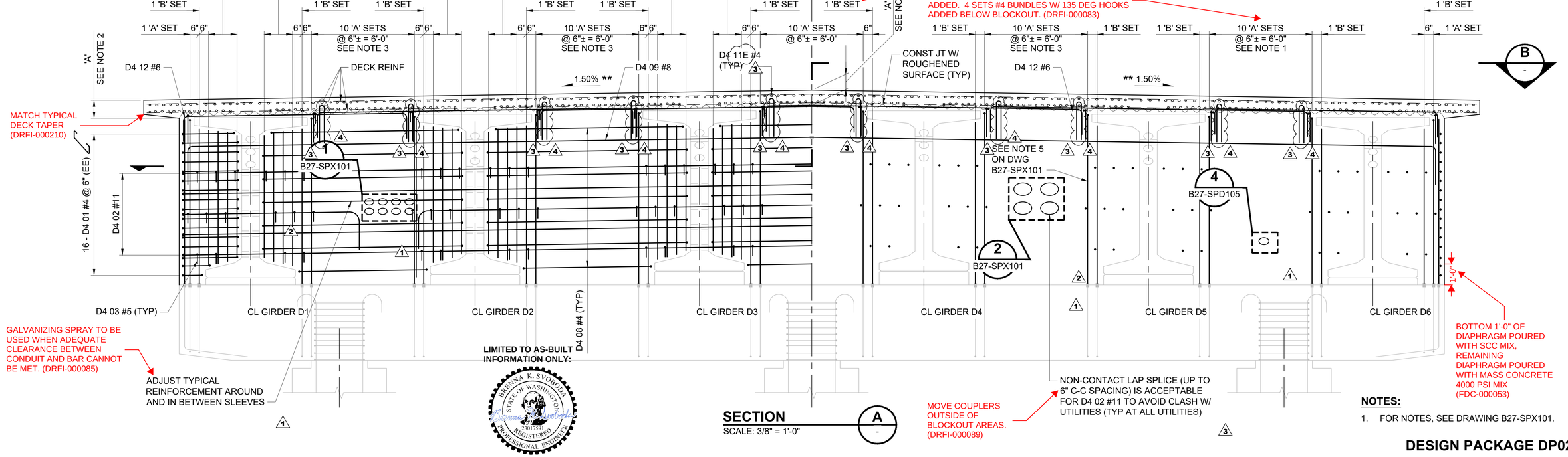


SECTION B -
SCALE: 3/8" = 1'-0"



SECTION A -
SCALE: 3/8" = 1'-0"

NOTES:

1. FOR NOTES, SEE DRAWING B27-SPX101.

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
4	06/30/20	SJD	KF	SJD	NDC-000029 - P3/P4 GIRDER SHIFT
3	04/17/20	SJD	KF	SJD	NDC-000015 - ADDED EPOXY DESIGNATION
2	02/12/20	SJD	KF	SJD	NDC-00009 - ADDED UTILITY DETAILS
1	11/04/19	SJD	KF	SJD	NDC-00003 - UPDATED SLEEVES/REMOVED DIMS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: D. HENDERSON
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL
6/30/20

LUKRE J. DESPRADEL
STATE OF WASHINGTON
23360
STRUCTURAL ENGINEER
PROFESSIONAL ENGINEER
EXP: 3/15/21

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19

Kiewit
SINCE 1884

REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: 3/8" = 1'-0"
FILENAME: 074-B27-SPP101
SUBMITTAL DATE: 11/04/19

RTS PEDESTRIAN BRIDGE

UNIT 2 - PIER 4 DIAPHRAGM
PLAN AND ELEVATION

DRAWING No.: **B27-SPP101**
FACILITY ID: B27
SHEET No.: 74
REV: 4

06/30/20 | 7:41 AM | ALYSSA.SOLIZ
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RECORD DRAWING #23-2129

XREF LIST:
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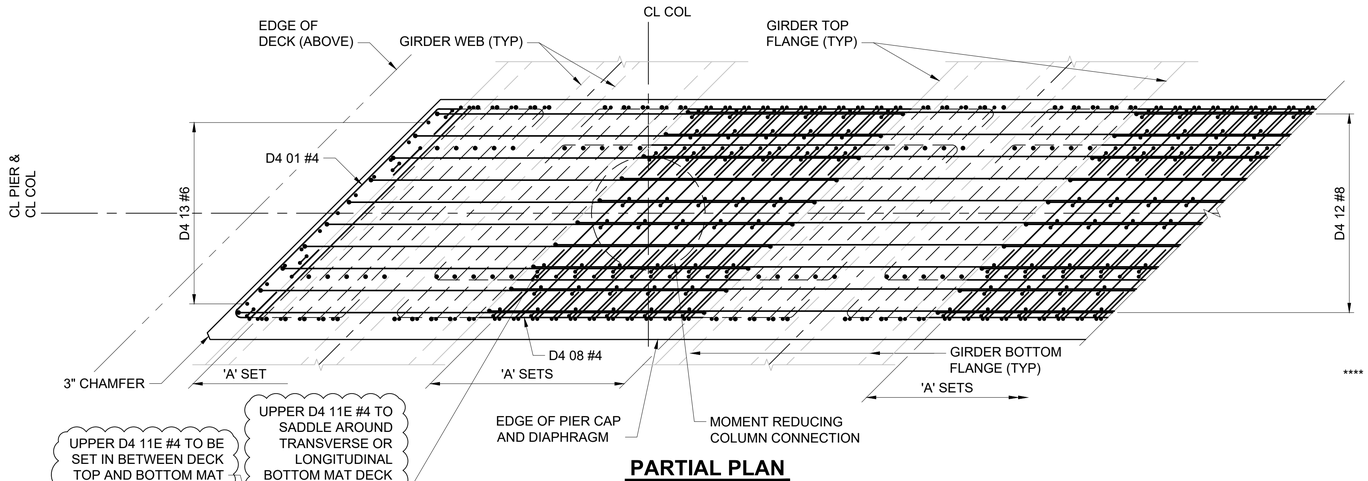
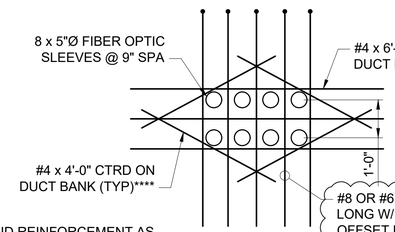


PARTIAL PLAN
SCALE: 1/2" = 1'-0"

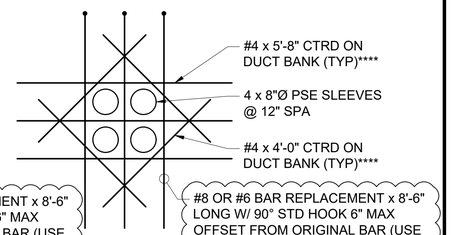
NOTES:

1. CONST JT CAN BE PLACED AT SLAB SOFFIT IN ORDER TO COVER D4 12 #8 BARS. REBAR CAN BE PLACED ON TOP OF PRECAST GIRDER TOP FLANGE.
2. FOR DIMENSION 'A', SEE DRAWING B27-SGV206.
3. CUT VERTICAL BARS TO AVOID UTILITIES AND SPLICE WITH ADDITIONAL BARS AS SHOWN.
4. ALL #11 REINFORCEMENT MAY BE SPLICED WITH HRC 500 SPLICE COUPLER, OR EQUIVALENT APPROVED BY THE ENGINEER OF RECORD.
5. WHEN UTILITY DUCTS OR SLEEVES OBSTRUCT THE BAR, BUNDLE BARS AT EACH SIDE OF THE UTILITY DUCT, OR GROUP OF SLEEVES. PLACE ONE BAR BETWEEN SLEEVES. 2

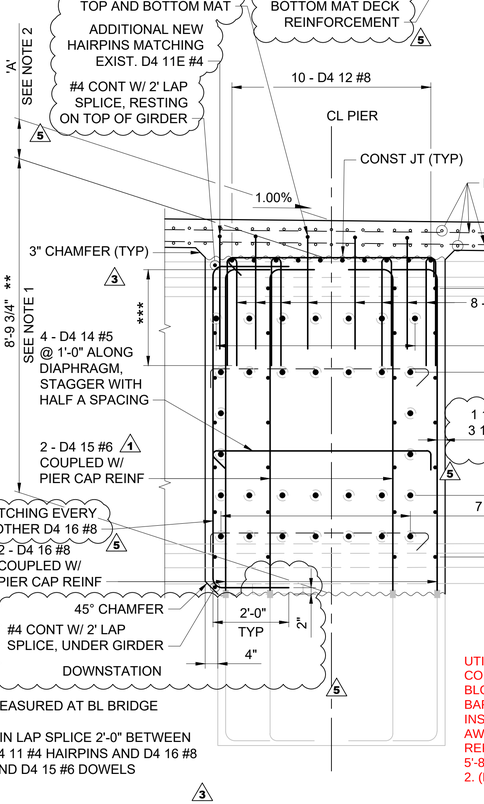


**** BEND REINFORCEMENT AS NECESSARY AT JOINTS OR OTHER OBSTRUCTIONS.

DETAIL 1
SCALE: 1/2" = 1'-0" B27-SPP101



DETAIL 2
SCALE: 1/2" = 1'-0" B27-SPP101

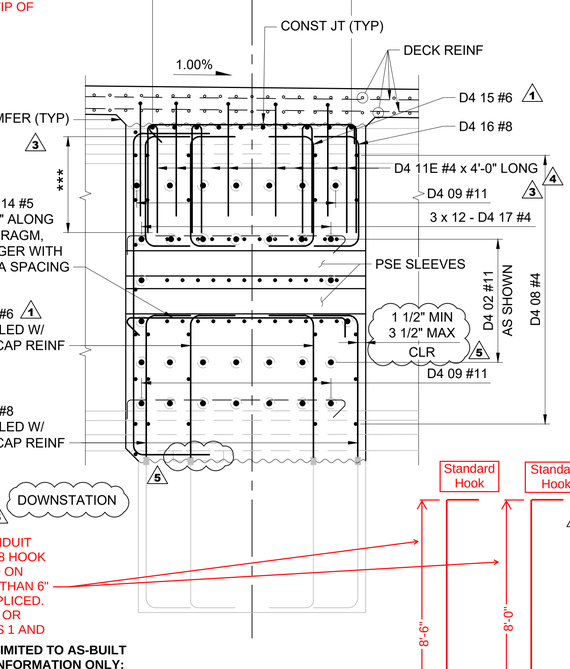


** MEASURED AT BL BRIDGE

*** MIN LAP SPLICE 2'-0" BETWEEN D4 11 #4 HAIRPINS AND D4 16 #8 AND D4 15 #6 DOWELS

TRIM BAR TAILS WHERE CONFLICTING WITH UTILITY BLOCKOUTS. ADD BARS TO REPLACE STEEL, 2'-0" MIN LAP, NON CONTACT SPACING 6" MAX PERMITTED. EPOXY COAT TIP OF BAR. (DRFI-000088)

SECTION C
SCALE: 1/2" = 1'-0" B27-SPP101

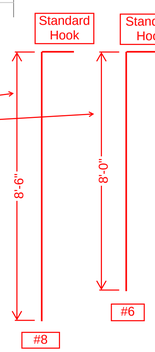


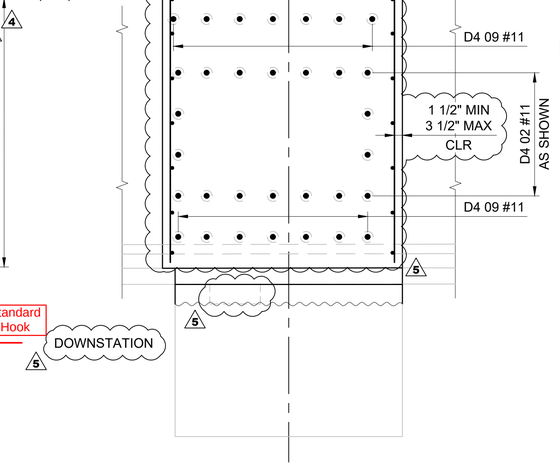
UTILITY SLEEVE CONFLICTS. TRIM CONFLICTING BARS BELOW THE CONDUIT BLOCKOUT. REPLACE #8 BAR WITH #8 HOOK BAR. #8 HOOK BAR MAY BE LOCATED ON INSIDE FACE OF #11 BARS NO MORE THAN 6" AWAY FROM ORIGINAL BAR BEING SPLICED. REPLACE #6 BAR WITH #6 HOOK BAR OR 5'-8" #4 BAR AS SPECIFIED IN DETAILS 1 AND 2. (DRFI-000077)

LIMITED TO AS-BUILT INFORMATION ONLY:

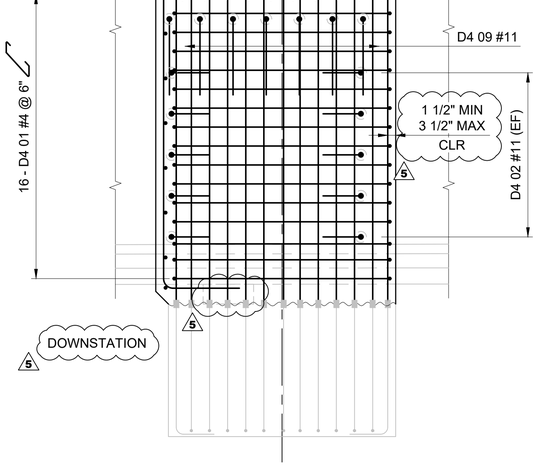
BRENNA K. SVOBODA, STATE OF WASHINGTON, 23017591, REGISTERED PROFESSIONAL ENGINEER

SECTION D
SCALE: 1/2" = 1'-0" B27-SPP101





SECTION E
SCALE: 1/2" = 1'-0" B27-SPP101



SECTION F
SCALE: 1/2" = 1'-0" B27-SPP101

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
5	06/30/20	SJD	KF	SJD	NDC-000029 - P3/P4 GIRDER SHIFT
4	04/17/20	SJD	KF	SJD	NDC-000015 - ADDED EPOXY DESIGNATIONS
3	02/12/20	SJD	KF	SJD	NDC-000009 - ADDED UTILITY DETAILS
2	11/04/19	SJD	KF	SJD	NDC-00003 - NEW NOTE
1	10/11/19	SJD	KF	SJD	NDC-000002 - CORRECTION OF BAR MARK
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: D. HENDERSON
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

LUKRE J. DESPRADEL, STATE OF WASHINGTON, 23036, STRUCTURAL ENGINEER, PROFESSIONAL ENGINEER
6/30/20 EXP: 3/15/21

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

Kiewit SINCE 1884

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON

SCALE: 1/2" = 1'-0"
FILENAME: 075-B27-SPX101
SUBMITTAL DATE: 11/04/19

RTS PEDESTRIAN BRIDGE

UNIT 2 - PIER 4 DIAPHRAGM SECTIONS AND DETAILS

DRAWING No.: **B27-SPX101**
FACILITY ID: B27
SHEET No.: 75
REV: 5

06/30/20 | 8:05 AM | ALYSSA SOLIZ
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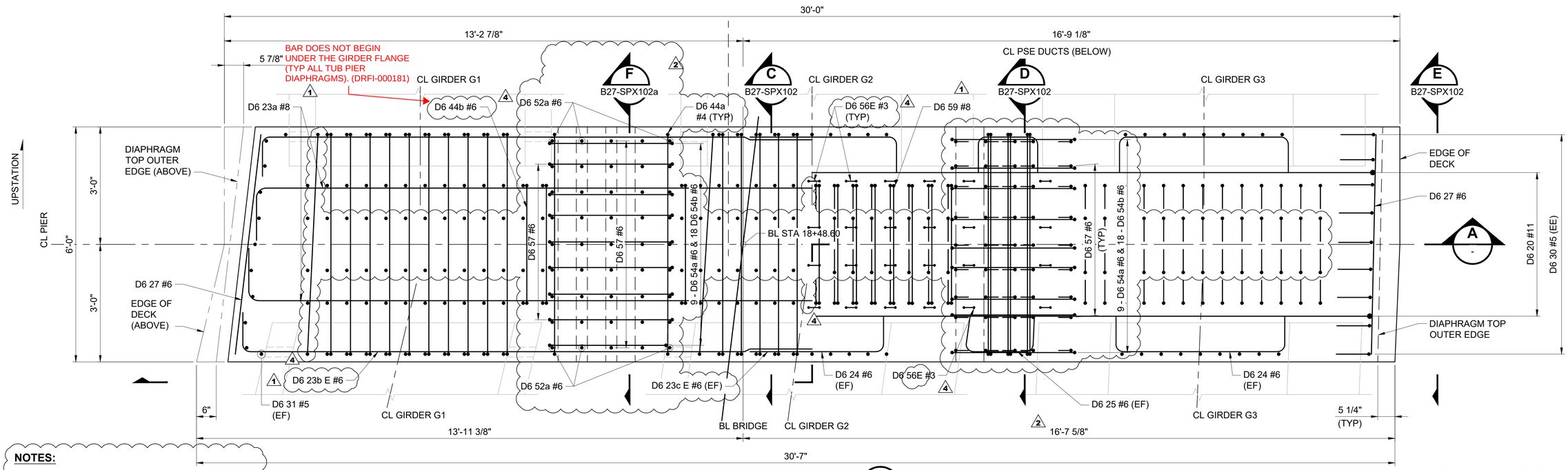
RECORD DRAWING #23-2130

XREF LIST:
xE360-GB-TB22x34.dwg



NOTES:

1. ONE 'E1' SET INCLUDES: 2 - D6 60 #11, 2 - D6 40a #6, 1 - D6 59 #8 & 5 - D6 44b #6 SPA WITH 'A' SETS.
2. ONE 'E2' SET INCLUDES: 2 - D6 40 #6, 2 - D6 40a #6, & 3 - D6 44b #6 SPA WITH 'C' SETS.
3. ONE 'E3' SET INCLUDES: 2 - D6 40 #6, 2 - D6 40a #6, 2 - D6 44 #6, 1 - D6 44b #6, & 2 - D6 42 #6 SPA WITH 'C' SETS.
4. ONE 'E4' SET INCLUDES: 2 - D6 40 #6, 2 - D6 40a #6, 3 - D6 44 #6, & 2 - D6 42 #6 SPA WITH 'C' SETS.
5. ONE 'E5' SET INCLUDES: 2 - D6 60 #11, 2 - D6 40a #6, 4 - D6 44 #6, 1 - D6 44b #6 & 2 - D6 42 #6 SPA WITH 'A' SETS.
6. ONE 'E6' INCLUDES: 2 - D6 60 #11, 2 - D6 40a #6, 5 - D6 44 #6 & 2 - D6 42 #6 SPA WITH 'A' SETS.
7. ONE 'F1' SET INCLUDES: 2 - D6 52a #6, 7 - D6 57 #6,
8. ONE 'F2' SET INCLUDES: 9 - D6 57 #6.
9. ONE 'FF' SET INCLUDES: 2 - D6 45 #6 & 2 - D6 60 #11.
10. OMIT REINFORCING BARS WHERE CONFLICT EXISTS WITH GIRDER.
11. MAXIMUM AGGREGATE SIZE IS 3/8" PEA GRAVEL. MIX DESIGN FOR THIS DIAPHRAGM SHALL CONSIDER THIS MAXIMUM AGGREGATE SIZE. SPECIAL CARE SHALL BE TAKEN TO ENSURE GOOD CONCRETE CONSOLIDATION AT THE UTILITY SLEEVES.

SECTION B -

SCALE: 3/4" = 1'-0"

SEE NOTE 13

'FF' SET SPA W/ 'BB' SET

DECK REINFORCEMENT NOT SHOWN FOR CLARITY

2 'E3' SETS | 6 'E4' SETS | 3 'E3' SETS | 2 'E2' SETS | 3 'F1' & 2 'F2' SETS SPA @ 8"± | 1 'E1' SET | 2 'E5' SETS | 7 'E6' SETS | 2 'E5' SETS | 1 'E1' SET | 2 'F1' & 3 'F2' SETS SPA AS SHOWN | 1 'E2' SET | 3 'E3' SETS | 6 'E4' SETS | 1 'E2' SET | 2 'E3' SETS

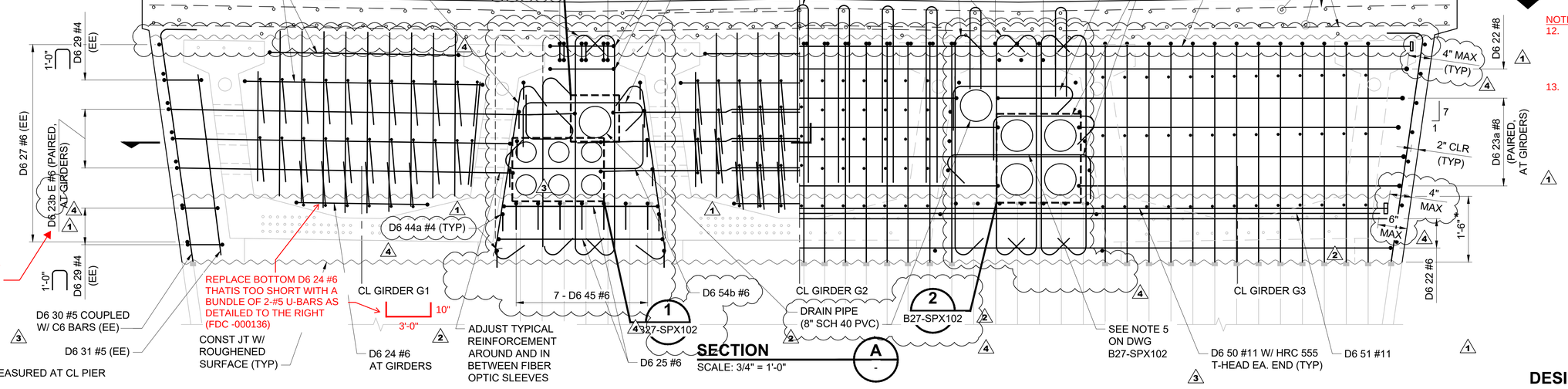
5'-9" 5'-9"

EXTENT OF J-HOOKS SPACE AS SHOWN

D6 52a #6 AT GIRDERS (TYP) | D6 57 #6 BETWEEN GIRDERS (TYP) | D6 24 #6 AT GIRDERS | D6 46 #6 | 2 - D6 25 #6 | D6 54a #6 | D6 56E #3 (TYP) | D6 57 #6 BETWEEN GIRDERS (TYP) | D6 54a #6 | D6 54b #6 | D6 20 #11 W/ HRC 555 T-HEAD EA END (TYP) | DECK REINF

1.50% | 1.50% | 1.50% | 1.50%

3 B27-SPX102



* MEASURED AT CL PIER

SECTION A -

SCALE: 3/4" = 1'-0"

NOTES:

12. DIAPHRAGM FORMS INSIDE TUB GIRDERS LEFT IN PLACE (TYP ALL BAYS UPSTATION SIDE, OUTER 2 BAYS DOWNSTATION SIDE). (DRFI-000215)
13. SPACING VARIES3" TO 7". TOP HOOKS ROTATED TO FIT. (FDC-000136)

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA, STATE OF WASHINGTON, 23017591, REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
4	09/10/20	SJD	KF	SJD	NDC-000038 - FO & PSE SLEEVE REVISIONS
3	02/12/20	SJD	KF	SJD	NDC-000009 - REVISED PIER 6 DIAPHRAGM
2	11/04/19	SJD	KF	SJD	NDC-000003 - UPDATED SLEEVES / REMOVED DIMS
1	10/11/19	SJD	KF	SJD	NDC-000002 - REVISED UNIT 3 PIER DIAPHRAGMS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

JUKRE J. DESPRADEL, STATE OF WASHINGTON, 23360, STRUCTURAL ENGINEER, PROFESSIONAL ENGINEER
9/11/20 EXP: 3/15/21

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: 3/4" = 1'-0"
FILENAME: 079-B27-SPP102

RTS PEDESTRIAN BRIDGE

UNIT 3 - PIER 6 DIAPHRAGM PLAN AND ELEVATION

DRAWING No.: **B27-SPP102**
FACILITY ID: B27
SHEET No.: 79
REV: 4

09/10/20 | 8:17 AM | ALYSSA.SOLIZ
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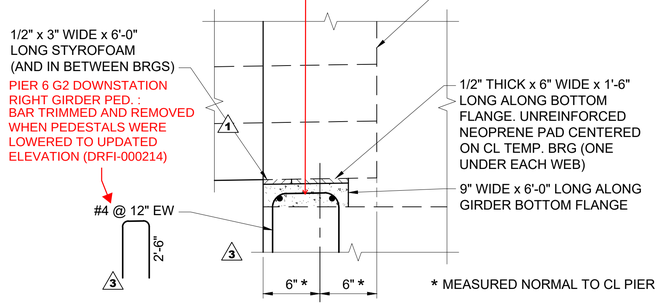
RECORD DRAWING #23-2131

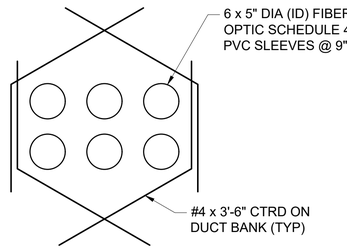
XREF LIST:
xE360-GB-TB22x34.dwg
xE360-B27-SZX100.dwg

PIER 6 G3 UPSTATION RIGHT GIRDER PED.:
REPLACE BAR EXPOSED FROM CHIPPING WITH #4 U BAR EMBEDDED 4 1/2" MIN. AND PROVIDE 1 1/2" COVER (NCR-000033)



CONCRETE BLOCK DETAIL (FOR PIERS 6, 7 & 8 ONLY)

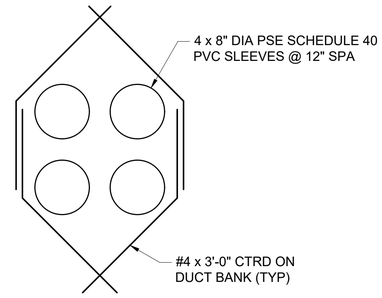
SCALE: 1 1/2" = 1'-0"



DETAIL 1

SCALE: 1" = 1'-0" B27-SPP102

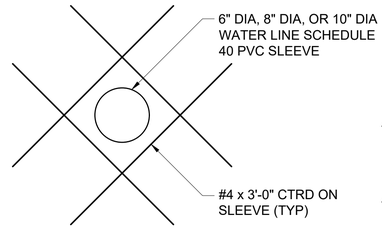
2 TIMES THROUGH THICKNESS



DETAIL 2

SCALE: 1" = 1'-0" B27-SPP102

2 TIMES THROUGH THICKNESS



DETAIL 3

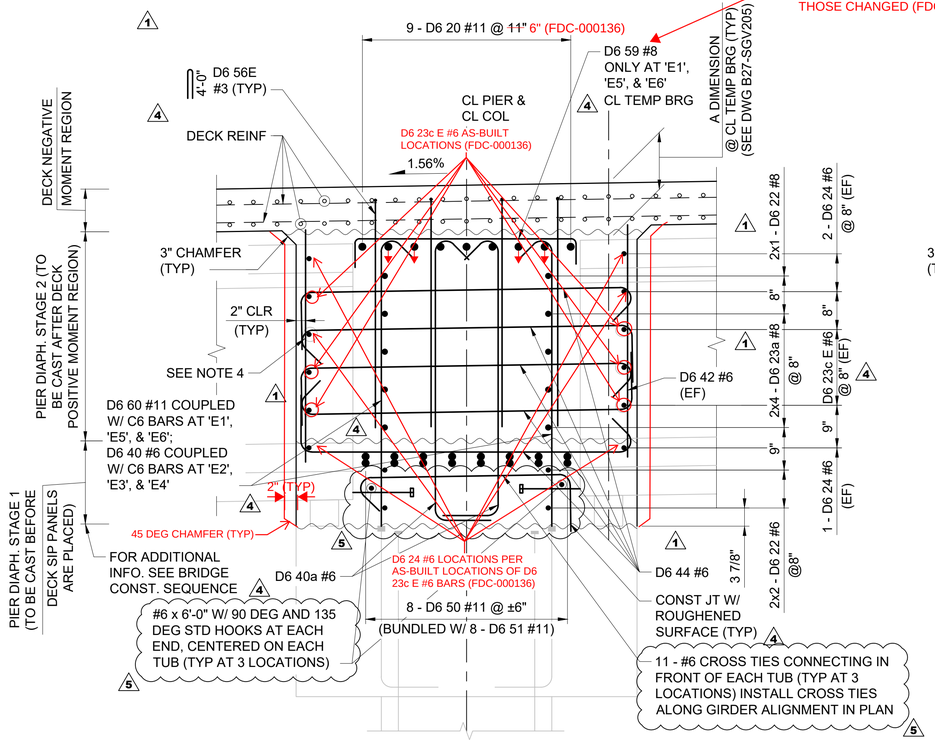
SCALE: 1" = 1'-0" B27-SPP102

2 TIMES THROUGH THICKNESS

NOTES:

1. PIER DIAPHRAGMS SHALL BE CONSTRUCTED IN THE SEQUENCE SPECIFIED ON DRAWINGS B27-SSE100 THROUGH B27-SSE102.
2. FOR COUPLED COLUMN REINFORCEMENT, SEE DRAWING B27-SHD102.
3. FOR EXTENDED STRAND DETAILS, SEE DRAWING B27-SGD301.
4. FOR LOCATIONS OF GIRDER SLEEVES, SEE DRAWING B27-SGD300.
5. WHEN UTILITY DUCTS OR SLEEVES OBSTRUCT THE BAR, BUNDLE BARS AT EACH SIDE OF THE UTILITY DUCT, OR GROUP OF SLEEVES. PLACE ONE BAR BETWEEN SLEEVES.

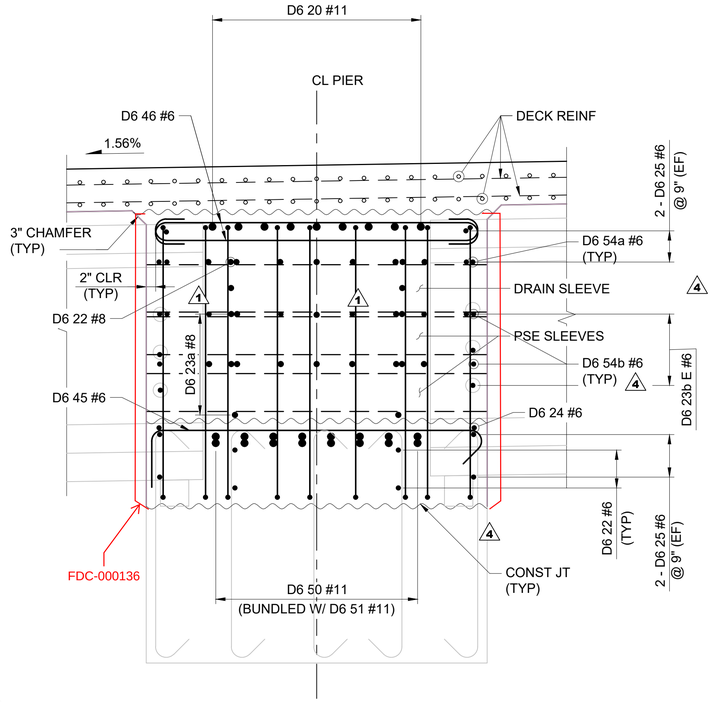
FOUR BARS SHIFTED 2.5" MAX. TO FIT UNDER STIRRUP HOOKS, SEE ARROWS UNDERNEATH THOSE CHANGED (FDC-000136).



SECTION C

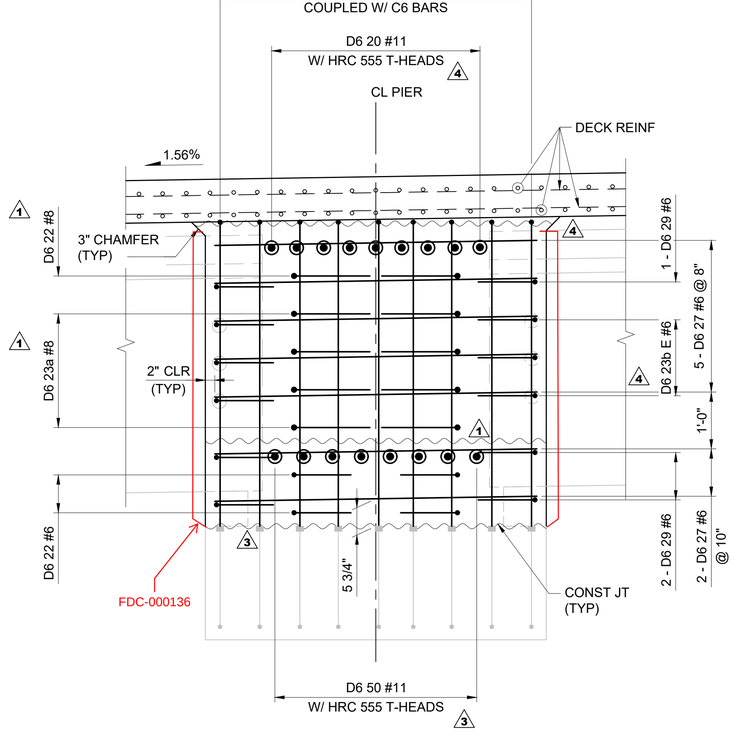
SCALE: 3/4" = 1'-0" B27-SPP102
('E' SETS SHOWN)

LIMITED TO AS-BUILT INFORMATION ONLY:



SECTION D

SCALE: 3/4" = 1'-0"
('F' SETS SHOWN)



VIEW E

SCALE: 3/4" = 1'-0" B27-SPP102

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
5	10/28/20	SJD	KF	SJD	NDC-000042 - STRAND TIE REVISIONS
4	09/10/20	SJD	KF	SJD	NDC-000038 - FO & PSE SLEEVE REVISIONS
3	02/12/20	SJD	KF	SJD	NDC-000009 - REVISED PIER 6 DIAPHRAGM
2	11/04/19	SJD	KF	SJD	NDC-000003 - NEW NOTE
1	10/11/19	SJD	KF	SJD	NDC-000002 - REVISED UNIT 3 PIER DIAPHRAGMS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

10/28/20 EXP: 3/15/21

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN

Kiewit SINCE 1. 1884

DATE: 11/04/19

REVIEWED BY: T. KRAUPA

LINE IS 1" AT FULL SCALE

City of Redmond WASHINGTON

DATE: 11/04/19

SCALE: 3/4" = 1'-0"
FILENAME: 080-B27-SPX102

SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UNIT 3 - PIER 6 DIAPHRAGM SECTIONS AND DETAILS SHEET 1 OF 2 4

DRAWING No.: **B27-SPX102**
FACILITY ID: B27
SHEET No.: 80
REV.: 5

10/27/20 | 7:46 PM | ALYSSA.SOLIZ
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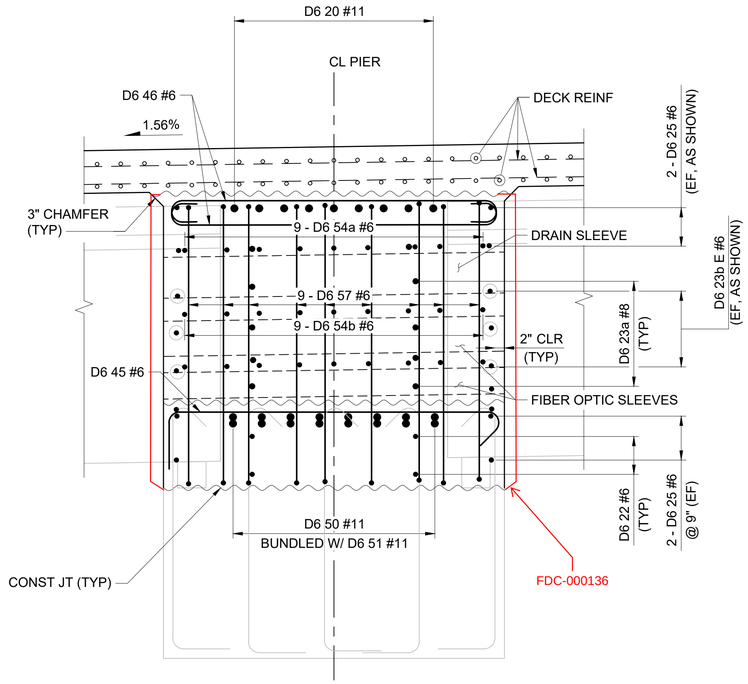
RECORD DRAWING #23-2132

XREF LIST:
xE360-GB-TB22x34.dwg



SECTION F

SCALE: 3/4" = 1'-0"
('F' SETS SHOWN)

B27-SPP102

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

NEW SHEET

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
0	09/10/20	SJD	KF	SJD	NDC-000038 - FO & PSE SLEEVE REVISIONS

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

SHUKRE J. DESPRADEL — STATE OF WASHINGTON — 23360 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
9/11/20 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

SCALE: 3/4" = 1'-0"
FILENAME: 080A-B27-SPX102A

RTS PEDESTRIAN BRIDGE

UNIT 3 - PIER 6 DIAPHRAGM
SECTIONS AND DETAILS
SHEET 2 OF 2

DRAWING No.: **B27-SPX102a**
FACILITY ID: B27
SHEET No.: 80a
REV:

RECORD DRAWING #23-2133

09/10/20 | 8:20 AM | ALYSSA.SOLIZ
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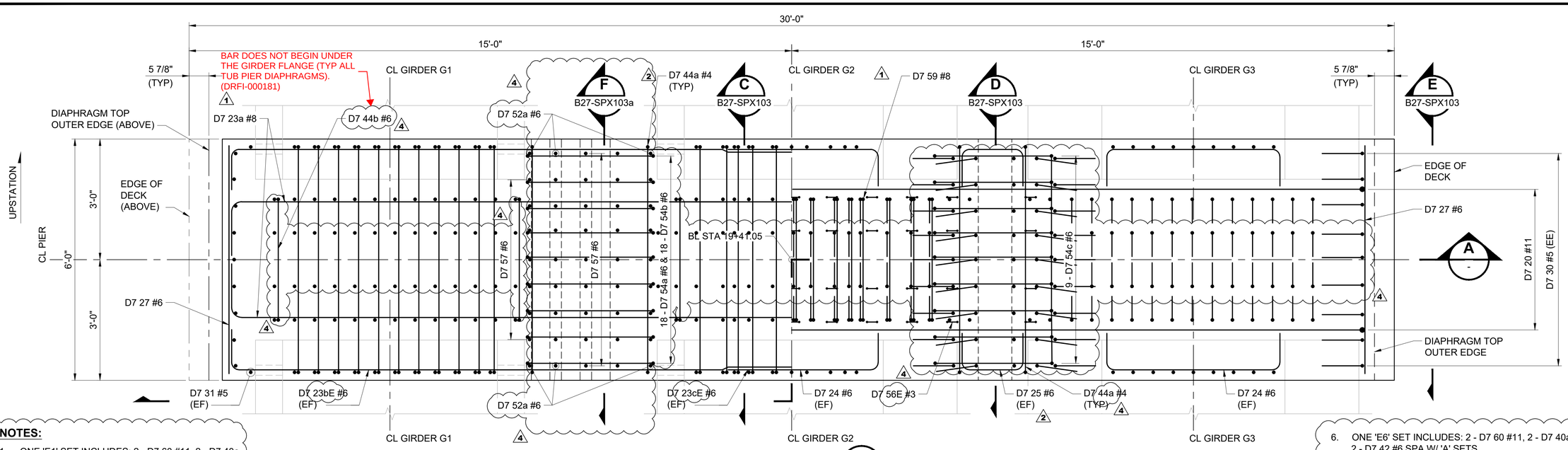
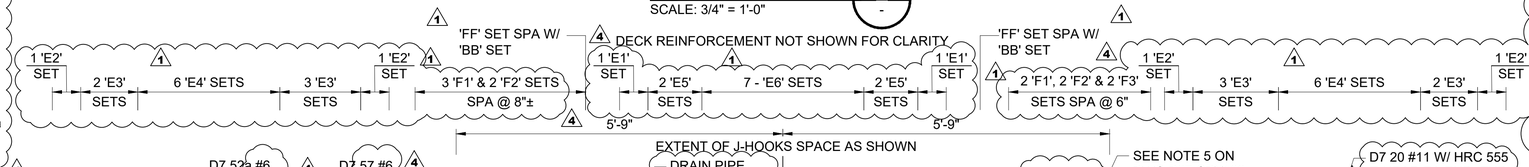
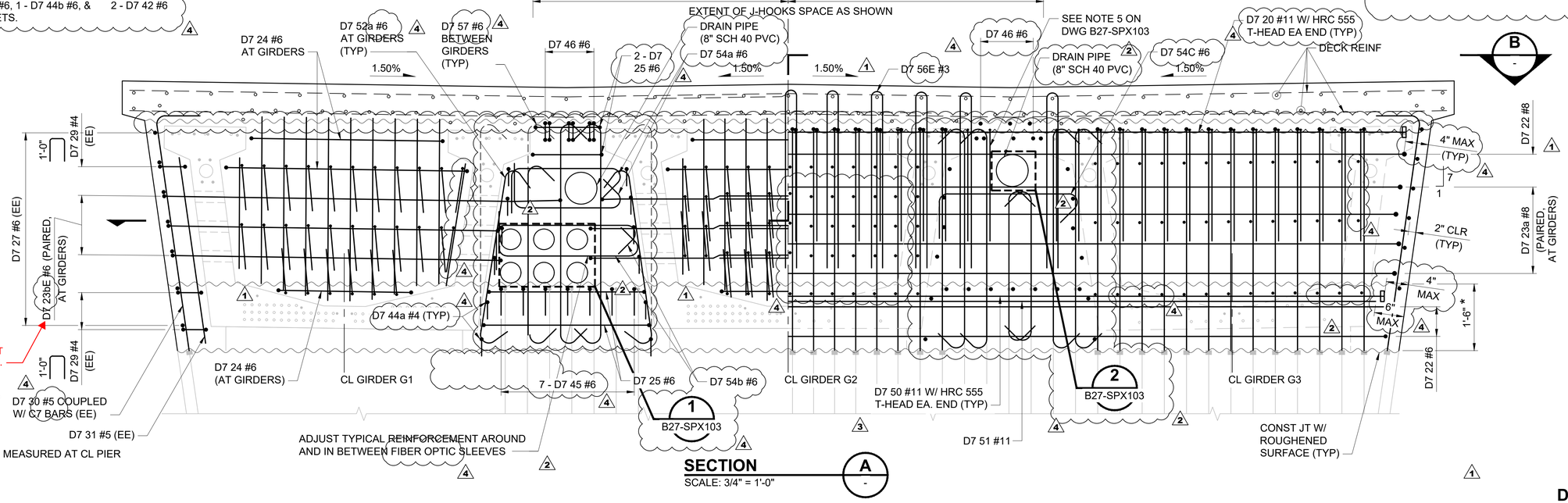


SECTION B
SCALE: 3/4" = 1'-0"





SECTION A
SCALE: 3/4" = 1'-0"

NOTES:

1. ONE 'E1' SET INCLUDES: 2 - D7 60 #11, 2 - D7 40a #6, 1 - D7 59 #8, & 5 D7 44b #6 SPA W/ 'A' SETS.
2. ONE 'E2' SET INCLUDES: 2 - D7 40 #6, 2 - D7 40a #6, & 3 - D7 44b #6 SPA W/ 'C' SETS.
3. ONE 'E3' SET INCLUDES: 2 - D7 40 #6, 2 - D7 40a #6, 1 - D7 44b #6, 2 - D7 44 #6, & 2 - D7 42 #6 SPA W/ 'C' SETS.
4. ONE 'E4' SET INCLUDES: 2 - D7 40 #6, 2 - D7 40a #6, 3 - D7 44 #6, & 2 - D7 42 #6 SPA W/ 'C' SETS.
5. ONE 'E5' SET INCLUDES: 2 - D7 60 #11, 2 - D7 40a #6, 4 - D7 44 #6, 1 - D7 44b #6, & 2 - D7 42 #6 SPA W/ 'A' SETS.
6. ONE 'E6' SET INCLUDES: 2 - D7 60 #11, 2 - D7 40a #6, 5 - D7 44 #6, & 2 - D7 42 #6 SPA W/ 'A' SETS.
7. ONE 'F1' SET INCLUDES: 2 - D7 52a #6, & 7 - D7 57 #6.
8. ONE 'F2' SET INCLUDES: 9 - D7 57 #6.
9. ONE 'F3' SET INCLUDES: 9 - D7 52a #6.
10. ONE 'FF' SET INCLUDES: 2 - D7 45 #6 & 2 - D7 60 #11.
11. OMIT REINFORCING BARS WHERE CONFLICT EXISTS WITH GIRDER.
12. MAXIMUM AGGREGATE SIZE IS 3/8" PEA GRAVEL. MIX DESIGN FOR THIS DIAPHRAGM SHALL CONSIDER THIS MAXIMUM AGGREGATE SIZE. SPECIAL CARE SHALL BE TAKEN TO ENSURE GOOD CONCRETE CONSOLIDATION AT THE UTILITY SLEEVES.
13. DIAPHRAGM FORMS INSIDE TUB GIRDERS LEFT IN PLACE (TYP ALL BAYS UPSTATION SIDE, ALL BAYS DOWNSTATION SIDE). (DRFI-000215)

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA, STATE OF WASHINGTON, 23017591, REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
4	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVE REVISIONS
3	02/12/20	SJD	KF	SJD	NDC-000009 - REVISED PIER 7 DIAPHRAGM
2	11/04/19	SJD	KF	SJD	NDC-000003 - UPDATED SLEEVES / REMOVED DIMS
1	10/11/19	SJD	KF	SJD	NDC-000002 - REVISED UNIT 3 PIER DIAPHRAGMS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

HUKRE J. DESPRADEL, STATE OF WASHINGTON, 23360, STRUCTURAL ENGINEER, PROFESSIONAL ENGINEER
9/11/20 EXP: 3/15/21

Kiewit ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

Kiewit SINCE 1884

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON

SCALE: 3/4" = 1'-0"
FILENAME: 081-B27-SPP103
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UNIT 3 - PIER 7 DIAPHRAGM
PLAN AND ELEVATION

DRAWING No.: B27-SPP103
FACILITY ID: B27
SHEET No.: 81
REV: 4

09/10/20 | 3:50 PM | ALYSSA.SOLIZ
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RECORD DRAWING #23-2134

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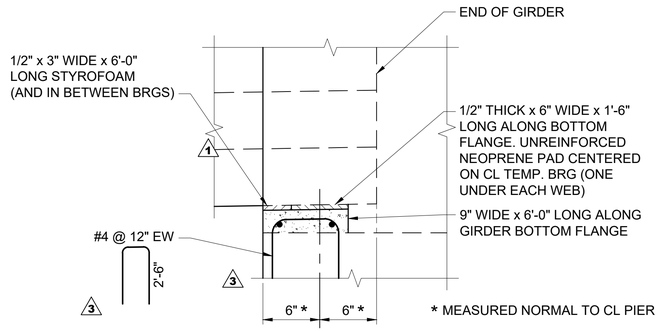
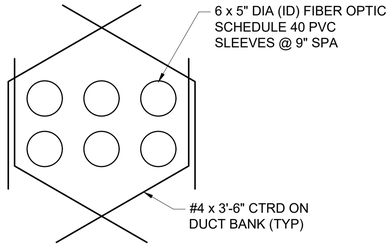


CONCRETE BLOCK DETAIL (FOR PIERS 6, 7 & 8 ONLY)

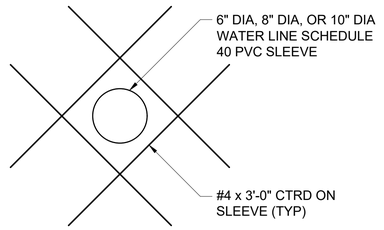
SCALE: 1 1/2" = 1'-0"



DETAIL 1

SCALE: 1" = 1'-0" B27-SPP103

2 TIMES THROUGH THICKNESS



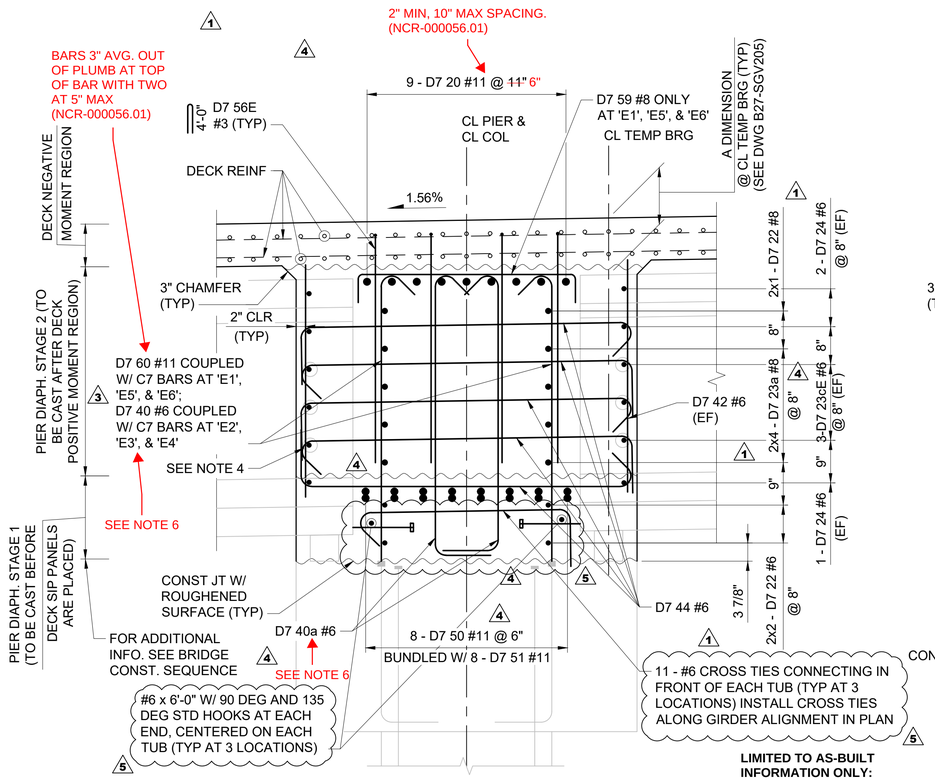
DETAIL 2

SCALE: 1" = 1'-0" B27-SPP103

2 TIMES THROUGH THICKNESS

NOTES:

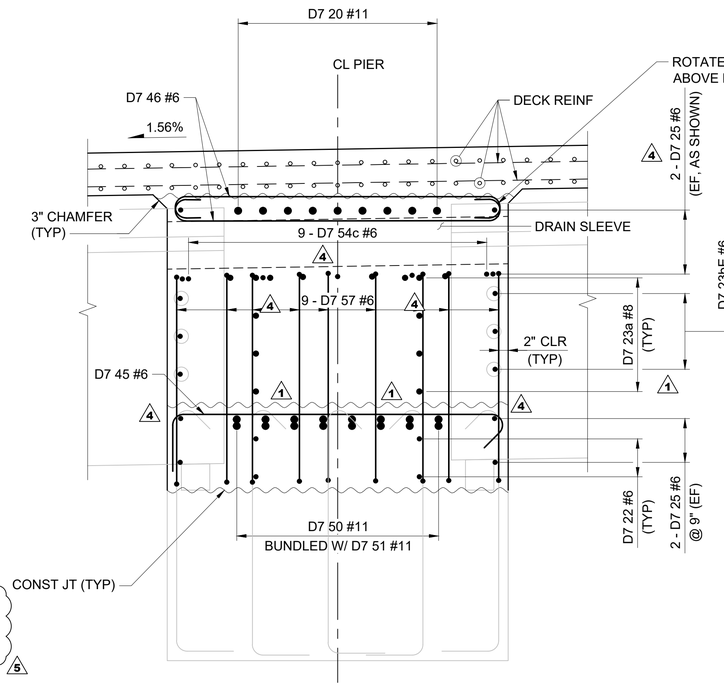
1. PIER DIAPHRAGMS SHALL BE CONSTRUCTED IN THE SEQUENCE SPECIFIED ON DRAWINGS B27-SSE100 THROUGH B27-SSE102.
2. FOR COUPLED COLUMN REINFORCEMENT, SEE DRAWING B27-SHD103.
3. FOR EXTENDED STRAND DETAILS, SEE DRAWING B27-SGD301.
4. FOR LOCATIONS OF GIRDER SLEEVES, SEE DRAWING B27-SGD300.
5. WHEN UTILITY DUCTS OR SLEEVES OBSTRUCT THE BAR, BUNDLE BARS AT EACH SIDE OF THE UTILITY DUCT, OR GROUP OF SLEEVES. PLACE ONE BAR BETWEEN SLEEVES.
6. 1" MIN, 12" MAX TRANSVERSE SPACING ON HOOK BARS. (NCR-000056.01)



SECTION C

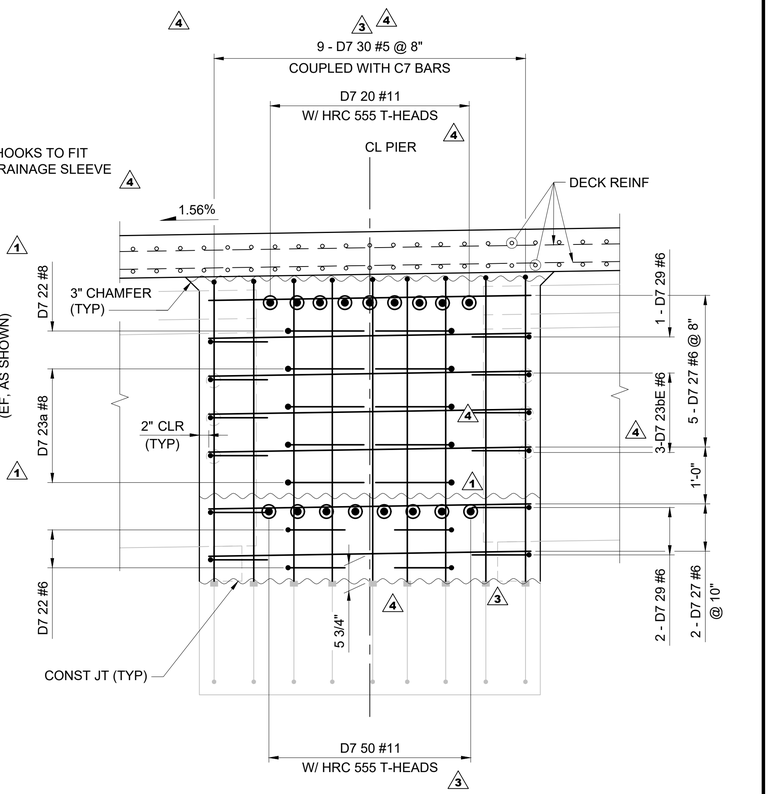
SCALE: 3/4" = 1'-0"
('E' SETS SHOWN)
B27-SPP103

LIMITED TO AS-BUILT INFORMATION ONLY:



SECTION D

SCALE: 3/4" = 1'-0"
('F' SETS SHOWN)
B27-SPP103



VIEW E

SCALE: 3/4" = 1'-0"
B27-SPP103

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
5	10/28/20	SJD	KF	SJD	NDC-000042 - STRAND TIE REVISIONS
4	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVE REVISIONS
3	02/12/20	SJD	KF	SJD	NDC-000009 - REVISED PIER 7 DIAPHRAGM
2	11/04/19	SJD	KF	SJD	NDC-000003 - NEW NOTE
1	10/11/19	SJD	KF	SJD	NDC-000002 - REVISED UNIT 3 PIER DIAPHRAGMS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

SHUKRE J. DESPRADEL
STATE OF WASHINGTON
22080
AGRICULTURAL ENGINEER
PROFESSIONAL ENGINEER
10/28/20 EXP: 3/15/21

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: 3/4" = 1'-0"
FILENAME: 082-B27-SPX103
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UNIT 3 - PIER 7 DIAPHRAGM
SECTIONS AND DETAILS
SHEET 1 OF 2

DRAWING No.: B27-SPX103
FACILITY ID: B27
SHEET No.: 82
REV: 5

10/27/20 | 7:48 PM | ALYSSA.SOLIZ
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RECORD DRAWING #23-2135

XREF LIST:
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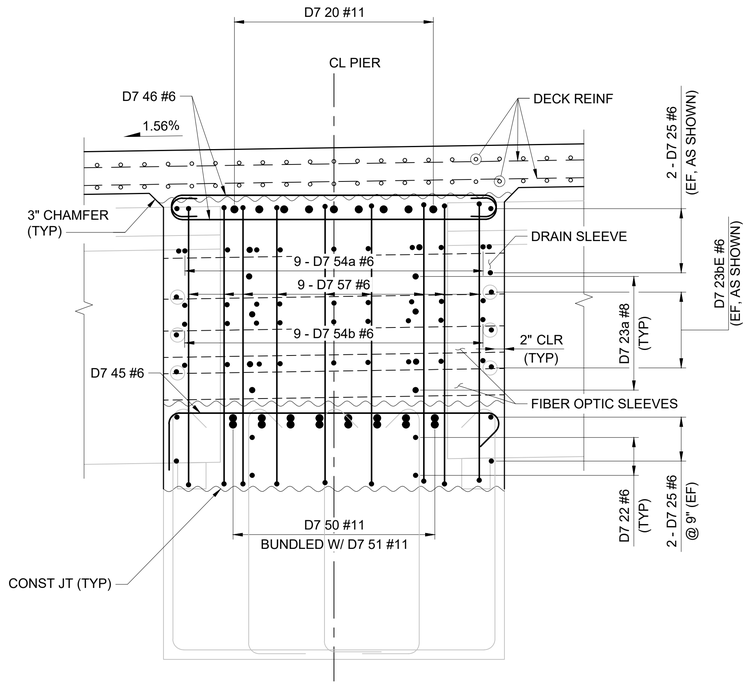

SECTION F
SCALE: 3/4" = 1'-0" B27-SPP103
('F' SETS SHOWN)

0 NEW SHEET

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
0	09/10/20	SJD	KF	SJD	NDC-000038 - FO & PSE SLEEVE REVISIONS

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

SAJKRE J. DESPRADEL — STATE OF WASHINGTON — 23360 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
9/11/20 EXP: 3/15/21

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

LINE IS 1" AT FULL SCALE

CityofRedmond

SCALE: 3/4" = 1'-0"
FILENAME: 082A-B27-SPX103A

RTS PEDESTRIAN BRIDGE

UNIT 3 - PIER 7 DIAPHRAGM
SECTIONS AND DETAILS
SHEET 2 OF 2

DRAWING No.: **B27-SPX103a**
FACILITY ID: B27
SHEET No.: 82a
REV:

RECORD DRAWING #23-2136

09/10/20 | 4:22 PM | ALYSSA.SOLIZ
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XREF LIST:
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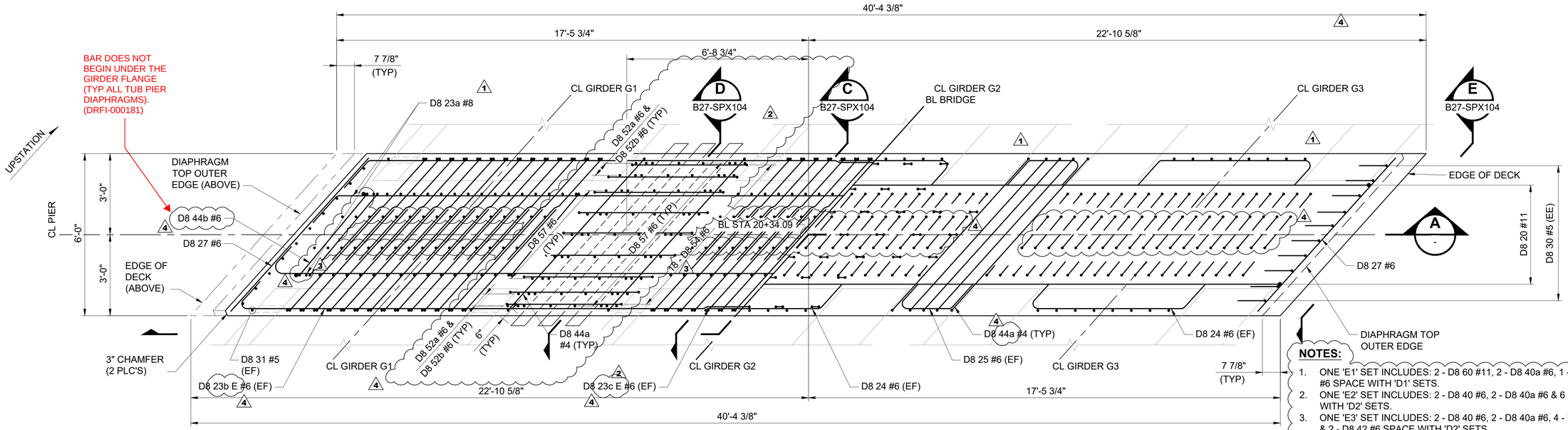
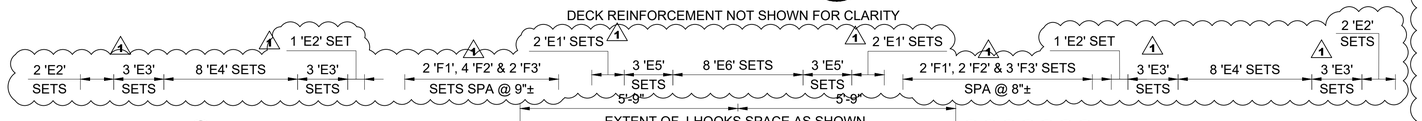
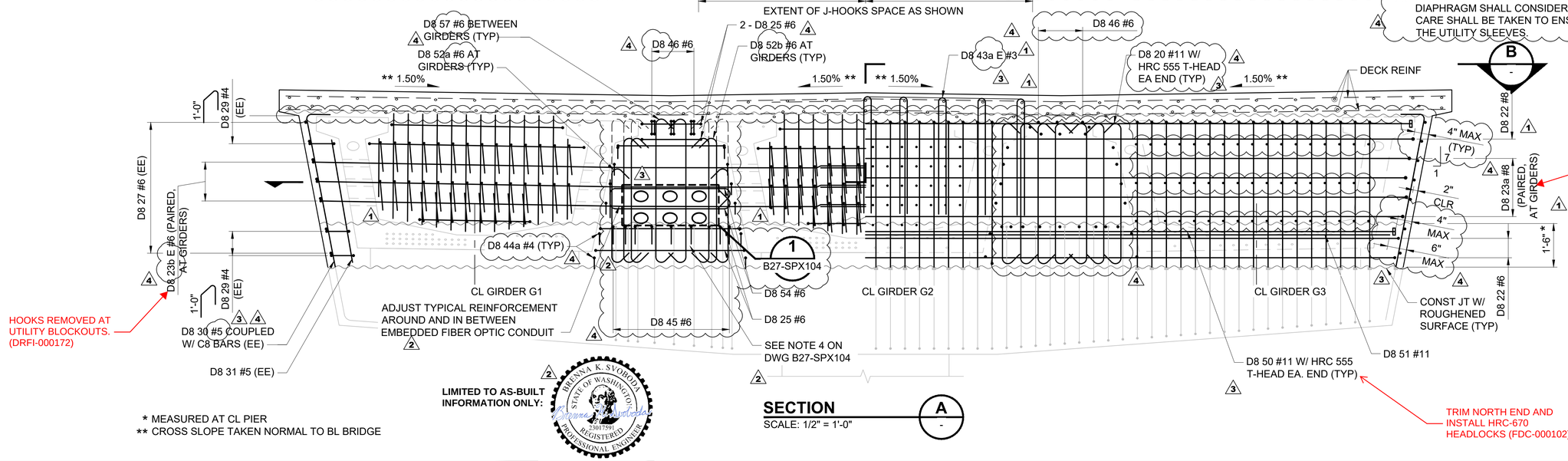
xE360-B27-SZX100.dwg



SECTION B
SCALE: 1/2" = 1'-0"





HOOKS REMOVED AT UTILITY BLOCKOUTS. (DRFI-000172)

IN CENTER GIRDER, NON CONTACT LAP SPLICE AT 3'-4" MAX AT 6" MAX SPACING. (DRFI-000180)

TRIM NORTH END AND INSTALL HRC-670 HEADLOCKS (FDC-000102).

* MEASURED AT CL PIER
** CROSS SLOPE TAKEN NORMAL TO BL BRIDGE

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

SECTION A
SCALE: 1/2" = 1'-0"

NOTES:

1. ONE 'E1' SET INCLUDES: 2 - D8 60 #11, 2 - D8 40a #6, 1 - D8 59 #8 & 10 - D8 44b #6 SPACE WITH 'D1' SETS.
2. ONE 'E2' SET INCLUDES: 2 - D8 40 #6, 2 - D8 40a #6 & 6 - D8 44b #6 SPACE WITH 'D2' SETS.
3. ONE 'E3' SET INCLUDES: 2 - D8 40 #6, 2 - D8 40a #6, 4 - D8 44 #6, 2 - D8 44b #6, & 2 - D8 42 #6 SPACE WITH 'D2' SETS.
4. ONE 'E4' SET INCLUDES: 2 - D8 40 #6, 2 - D8 40a #6, 6 - D8 44 #6, & 2 - D8 42 #6 SPACE WITH 'D2' SETS.
5. ONE 'E5' SET INCLUDES: 1 - D8 59 #8, 2 - D8 60 #11, 2 - D8 40a #6, 8 - D8 44 #6, 2 - D8 44b #6, & 2 - D8 42 #6 SPACE WITH 'D1' SETS.
6. ONE 'E6' SET INCLUDES: 1 - D8 59 #8, 2 - D8 60 #11, 2 - D8 40a #6, 10 - D8 44 #6, & 2 - D8 42 #6 SPACE WITH 'D1' SETS.
7. ONE 'F1' SET INCLUDES: 4 - D8 52a #6, 5 - D8 57 #6.
8. ONE 'F2' SET INCLUDES: 4 - D8 52b #6, 5 - D8 57 #6.
9. ONE 'F3' SET INCLUDES: 9 - D8 57 #6.
10. OMIT REINFORCING BARS WHERE CONFLICT EXISTS WITH GIRDER.
11. MAXIMUM AGGREGATE SIZE IS 3/8" PEA GRAVEL. MIX DESIGN FOR THIS DIAPHRAGM SHALL CONSIDER THIS MAXIMUM AGGREGATE SIZE. SPECIAL CARE SHALL BE TAKEN TO ENSURE GOOD CONCRETE CONSOLIDATION AT THE UTILITY SLEEVES.
12. DIAPHRAGM FORMS INSIDE TUB GIRDERS LEFT IN PLACE (TYP ALL BAYS UPSTATION SIDE, ALL BAYS DOWNSTATION SIDE). (DRFI-000215)

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
4	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVE REVISIONS
3	02/12/20	SJD	KF	SJD	NDC-000009 - REVISED PIER 8 DIAPHRAGM
2	11/04/19	SJD	KF	SJD	NDC-000003 - UPDATED SLEEVES / REMOVED DIMS
1	10/11/19	SJD	KF	SJD	NDC-000002 - REVISED UNIT 3 PIER DIAPHRAGMS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

HUBERT J. DESPRADEL — STATE OF WASHINGTON — 20360 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
9/11/20 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 11/04/19

Kiewit SINCE 1884
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON
SCALE: 1/2" = 1'-0"
FILENAME: 083-B27-SPP104
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

UNIT 3 - PIER 8 DIAPHRAGM
PLAN AND ELEVATION

DRAWING No.: B27-SPP104
FACILITY ID: B27
SHEET No.: 83
REV: 4

RECORD DRAWING #23-2137

09/10/20 | 4:09 PM | ALYSSA.SOLIZ
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XREF LIST:
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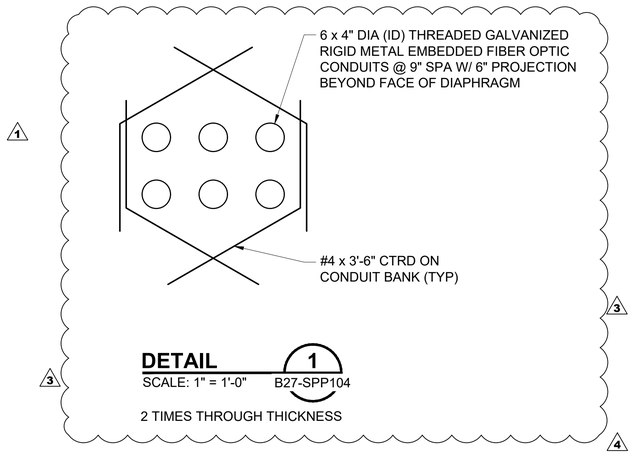
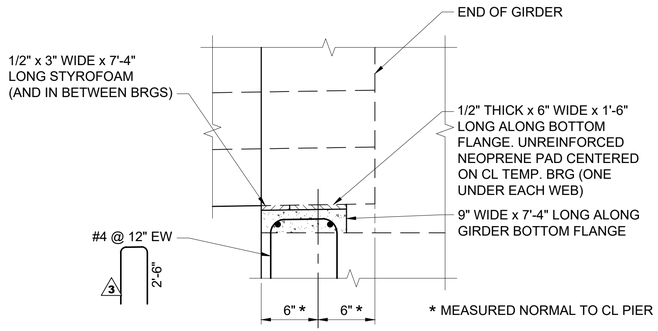
xE360-B27-SZX100.dwg



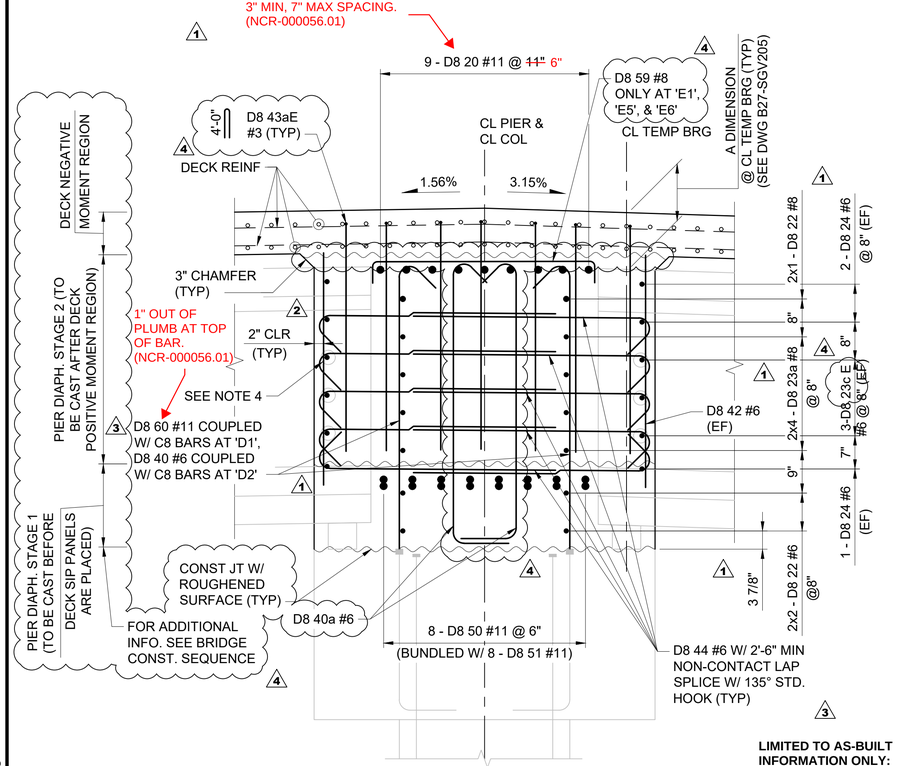
DETAIL 1
SCALE: 1" = 1'-0" B27-SPP104



CONCRETE BLOCK DETAIL (FOR PIERS 6, 7 & 8 ONLY)
SCALE: 1 1/2" = 1'-0"

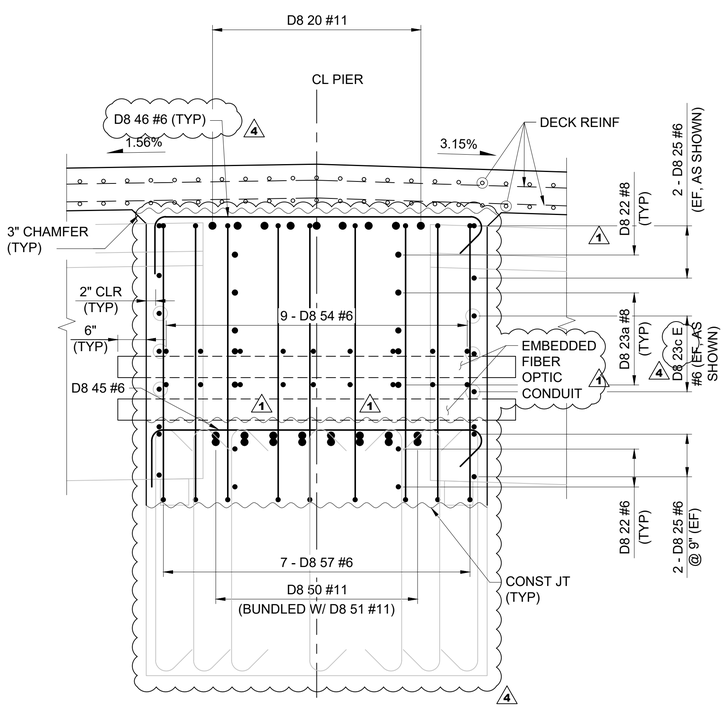
NOTES:

1. PIER DIAPHRAGMS SHALL BE CONSTRUCTED IN THE SEQUENCE SPECIFIED ON DRAWINGS B27-SSE100 THROUGH B27-SSE102.
2. FOR EXTENDED STRAND DETAILS, SEE DRAWING B27-SGD301.
3. FOR LOCATIONS OF GIRDER SLEEVES, SEE DRAWING B27-SGD300.
4. WHEN UTILITY DUCTS OR SLEEVES OBSTRUCT THE BAR, BUNDLE BARS AT EACH SIDE OF THE UTILITY DUCT, OR GROUP OF SLEEVES. PLACE ONE BAR BETWEEN SLEEVES.

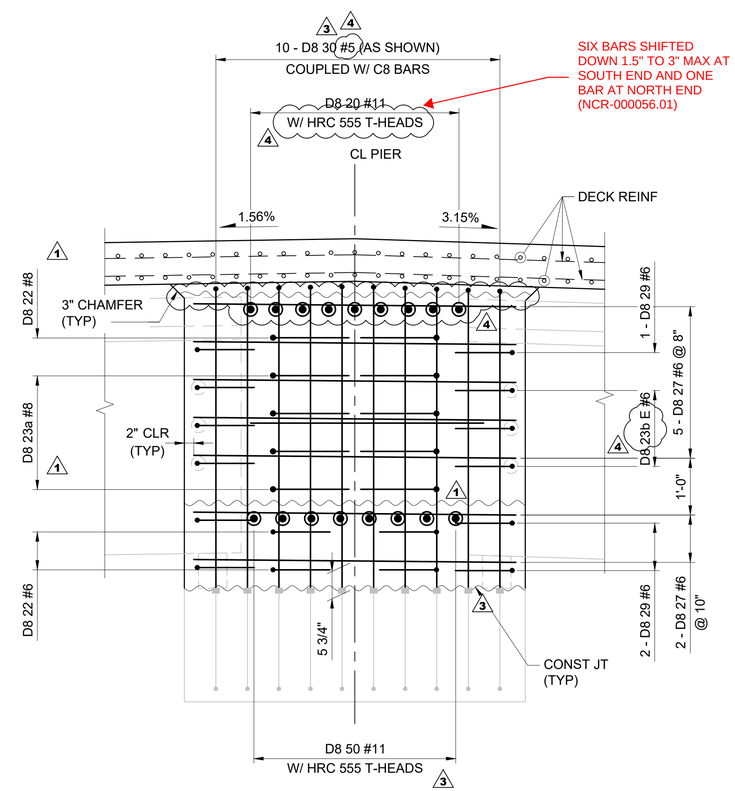


SECTION C
SCALE: 3/4" = 1'-0" ('E' SETS SHOWN) B27-SPP104

LIMITED TO AS-BUILT INFORMATION ONLY:



SECTION D
SCALE: 3/4" = 1'-0" ('F' SETS SHOWN) B27-SPP104

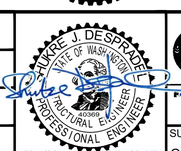


SECTION E
SCALE: 3/4" = 1'-0" B27-SPP104

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
4	09/10/20	SJD	KF	SJD	NDC-000038 - FO SLEEVE REVISIONS
3	02/12/20	SJD	KF	SJD	NDC-000009 - REVISED PIER 8 DIAPHRAGM
2	11/04/19	SJD	KF	SJD	NDC-000003 - NEW NOTE
1	10/11/19	SJD	KF	SJD	NDC-000002 - REVISED UNIT 3 PIER DIAPHRAGMS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. FORARS
DRAWN BY: T. ERION
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL



9/11/20 EXP: 3/15/21

Kiewit
KIEWIT ENGINEERING GROUP INC.
ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 11/04/19
REVIEWED BY: T. KRAUPA
DATE: 11/04/19
SUBMITTAL DATE: 11/04/20

Kiewit SINCE 1884

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON

SCALE: 3/4" = 1'-0"
FILENAME: 084-B27-SPX104

RTS PEDESTRIAN BRIDGE

UNIT 3 - PIER 8 DIAPHRAGM SECTIONS AND DETAILS

DRAWING No.: **B27-SPX104**
FACILITY ID: B27
SHEET No.: 84
REV: 4

09/10/20 | 4:28 PM | ALYSSA.SOLIZ
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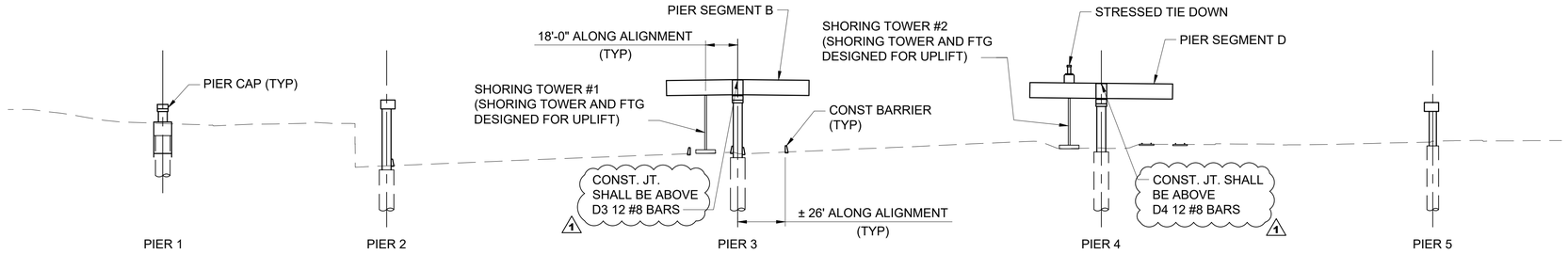
RECORD DRAWING #23-2138

XREF LIST:
xE360-GB-TB22x34.dwg

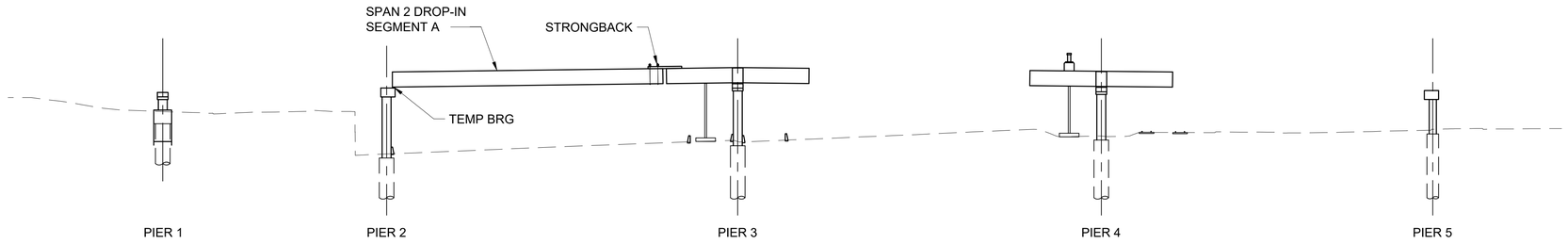


STAGE 1

UNIT 2

STAGE 1:

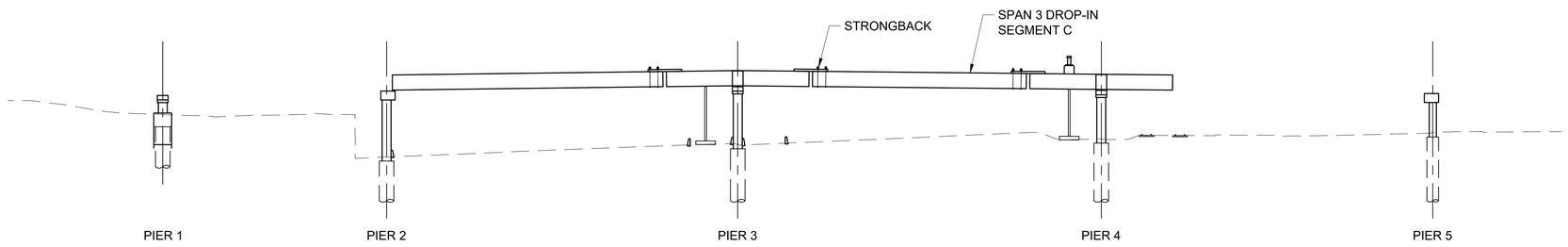
1. BUILD DRILLED SHAFTS AND COLUMNS FOR ALL PIERS.
2. BUILD PIER CAPS 1 THROUGH 5.
3. CONSTRUCT SHORING TOWER AT PIERS 3 AND 4. SHORING TOWER PIER 4 REQUIRES TENSIONED TIE DOWN.
4. ERECT PIER SEGMENTS ON ERECTION PADS AT PIERS 3 AND 4.
5. INSTALL GIRDER TEMPORARY BRACING.AS INDICATED IN TEMP. WORKS PACKAGE.
6. INJECT GROUT UNDER PIER SEGMENT.
7. CAST 1ST POUR PIER DIAPHRAGMS AT PIERS 3 AND 4 AND ACHIEVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000PSI.



STAGE 2

STAGE 2:

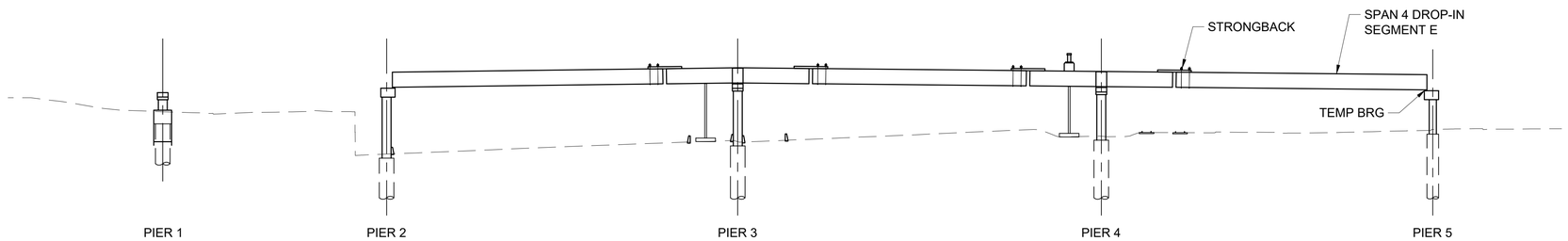
1. ERECT SPAN 2 DROP-IN SEGMENTS.
2. INSTALL GIRDERS TEMP. BRACING AS INDICATED IN TEMP. WORKS PACKAGE.



STAGE 3

STAGE 3:

1. ERECT SPAN 3 DROP-IN SEGMENTS.
2. INSTALL GIRDERS TEMP. BRACING AS INDICATED IN TEMP. WORKS PACKAGE.



STAGE 4

STAGE 4:

1. ERECT SPAN 4 DROP-IN SEGMENTS.
2. INSTALL GIRDERS TEMP. BRACING AS INDICATED IN TEMP. WORKS PACKAGE.

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
1	09/28/20	SJD	KF	SJD	NDC-000027 - CONST JT LOCATION
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

STATE OF WASHINGTON — STEVEN J. DESPRADEL — 21600 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
9/28/20 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN
DATE: 11/04/19

Kiewit SINCE 1884
REVIEWED BY: T. KRAUPA
DATE: 11/04/19

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON
SUBMITTAL DATE: 11/04/20

SCALE: 1" = 40'
FILENAME: 147-B27-SSE100

RTS PEDESTRIAN BRIDGE

CONSTRUCTION SEQUENCE
SHEET 1 OF 3

DRAWING No.: **B27-SSE100**
FACILITY ID: B27
SHEET No.: 147
REV: 1

RECORD DRAWING #23-2139

09/28/20 | 3:14 PM | ALYSSA.SOLIZ
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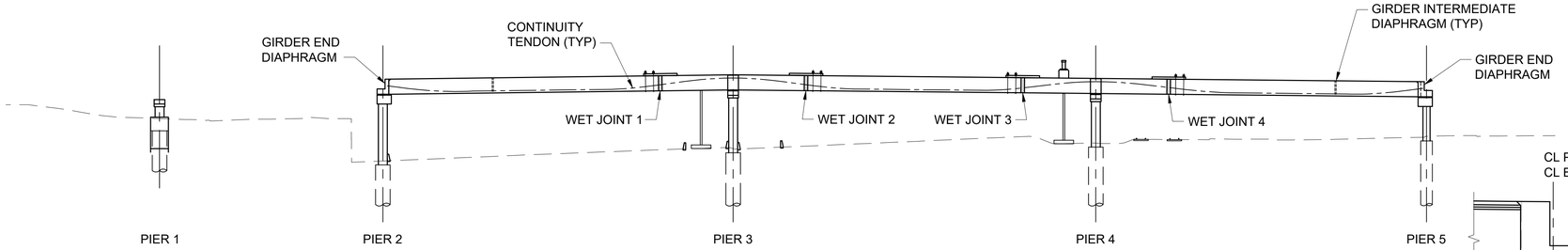
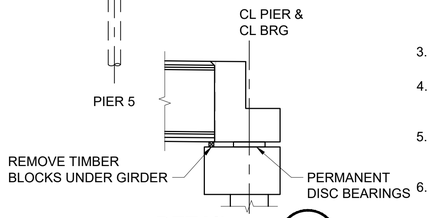
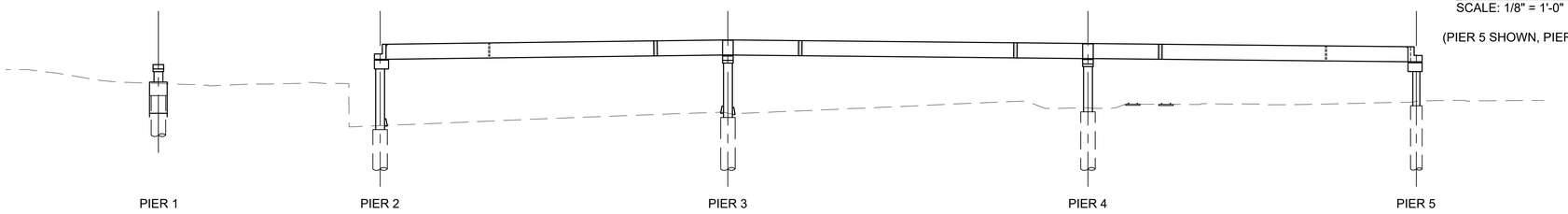


STAGE 5

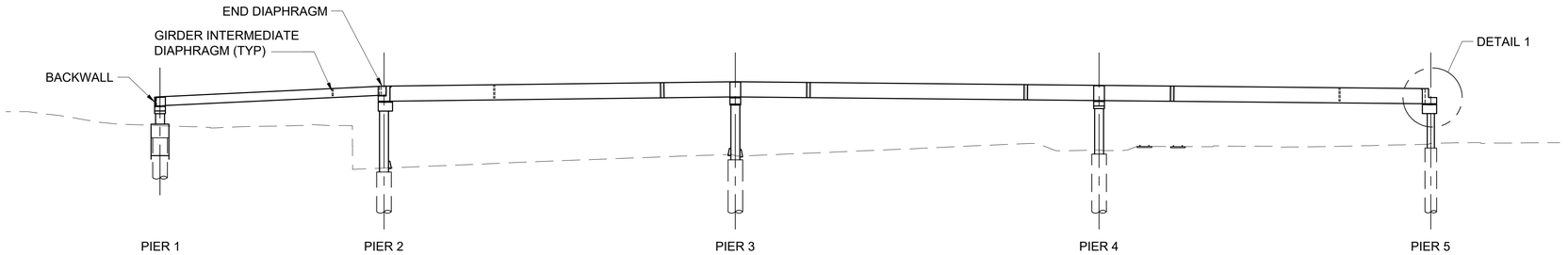


DETAIL 1
SCALE: 1/8" = 1'-0"

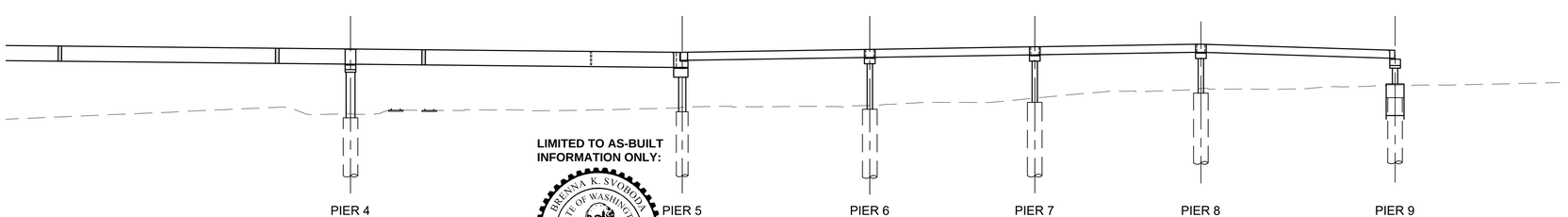
(PIER 5 SHOWN, PIER 2 SIMILAR)



STAGE 6



STAGE 7



STAGE 8

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. STOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

STAGE 5:

1. CAST GIRDER END DIAPHRAGMS CENTERED AT CENTER LINE PIER, INTERMEDIATE DIAPHRAGMS AND WET JOINTS FOR SPANS 2, 3 AND 4. ACHIEVE A MINIMUM UNCONFINED COMPRESSIVE STRENGTH OF 4,000 PSI FOR WET JOINTS AND 5,000 PSI FOR END DIAPHRAGMS. (1) (2)
2. REMOVE TIMBER BLOCKS UNDER GIRDERS AT PIER 2 AND 5 AND TRANSFER THE LOAD TO THE PERMANENT DISC BEARINGS (SEE DETAIL 1). FOR PIER 2, DISC BEARING KEEPER PLATE SHALL NOT BE INSTALLED.
3. ADJUST TEMP. BRACING BEFORE PT STRESSING AS SHOWN IN TWS PACKAGE
4. RELEASE (BUT KEEP IN PLACE) PIER 3 SHORING TOWER HOLD DOWNS. ALLOW A 1/2" MIN GAP BETWEEN HOLD DOWN NUT AND PRESTRESS GIRDER. (1)
5. STRESS T2 CONTINUITY TENDONS FOR UNIT 2 GIRDERS FROM PIER 5. (SEE GIRDER STRESSING SEQUENCE IN DWG. B27-SGV204)
6. RELEASE (BUT KEEP IN PLACE) SHORING TOWER HOLD DOWNS FOR PIER 4 BY USING HYDRAULIC JACKS. ALLOW A 1/2" MIN GAP BETWEEN HOLD DOWN NUT AND PRESTRESS GIRDER. (1)
7. STRESS T1 AND T3 CONTINUITY TENDONS FOR UNIT 2 GIRDERS FROM PIER 5 (SEE GIRDER STRESSING SEQUENCE ON DWG. B27-SGV204).
8. CUT TEMPORARY STRANDS FROM BOTTOM FLANGE OF PIER SEGMENTS.

STAGE 6:

1. REMOVE STRONGBACKS.
2. REMOVE SHORING TOWERS IN THE FOLLOWING ORDER: PIER 4, PIER 3.

ONCE STAGE 6 IS COMPLETE, UNITS 1 AND 3 CONSTRUCTION CAN PROCEED COMPLETELY INDEPENDENT OF UNIT 2. ALSO ALL UNIT 2 ACTIVITY CAN PROCEED INDEPENDENT OF UNITS 1 AND 3.

UNIT 1

STAGE 7: (CAN BE CONCURRENT W /STAGE 8)

1. ERECT SPAN 1 GIRDERS.
2. INSTALL GIRDERS TEMP. BRACING AS INDICATED IN TEMP. WORKS PACKAGE.
3. REMOVE TEMP STRANDS FROM GIRDER TOP FLANGES.
4. CAST UNIT 1 INTERMEDIATE DIAPHRAGMS AND END DIAPHRAGMS.
5. ACHIEVE A MINIMUM COMPRESSIVE STRENTGH OF 3,000 PSI FOR ALL DIAPHRAGMS.
6. ~~DON'T~~ REMOVE TEMP. BEARINGS AT PIER 2 (UNIT 1) ~~UNTIL DECK SLAB IS CAST.~~ (2)

UNIT 3

STAGE 8: (CAN BE CONCURRENT W /STAGE 7)

1. ERECT GIRDERS FOR SPANS 5, 6, 7 AND 8. FOR GIRDERS AT SPANS 6 & 7 (HIGH SKEW END) ENSURE TIGHT FIT BEARING/WOOD BLOCK SUPPORT AT ALL CORNERS. USE 1/16" STEEL SHIMS IF NEEDED.
2. INSTALL GIRDERS TEMP. BRACING AS INDICATED IN TEMP. WORKS PACKAGE
3. REMOVE TEMP STRANDS FROM GIRDER TOP FLANGES.
4. CAST FIRST POUR FOR PIER DIAPHRAGMS 6, 7 AND 8.
5. CAST GIRDER END DIAPHRAGMS FOR UNIT 3.
6. ACHIEVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI FOR ALL INTERMEDIATE AND PIER DIAPHRAGMS. (1) END,
7. ~~DON'T~~ REMOVE TEMP. BEARINGS AT PIER 5 (UNIT 3) ~~UNTIL DECK SLAB IS CAST.~~ (2)

DESIGN PACKAGE DP021

No.	DATE	DSN	CHK	APP	REVISION
2	12/23/20	SJD	KF	SJD	NDC-000051 - SEQUENCING CLARIFICATION
1	02/12/20	SJD	KF	SJD	NDC-000009 - GIRDER BEARING REVISIONS
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

SUZANNE J. DESPRADEL — STATE OF WASHINGTON — 23008 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
12/23/2020 EXP: 3/15/21

KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN — DATE: 11/04/19
REVIEWED BY: T. KRAUPA — DATE: 11/04/19

LINE IS 1" AT FULL SCALE

SCALE: 1" = 40'
FILENAME: 148-B27-SSE101
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

CONSTRUCTION SEQUENCE
SHEET 2 OF 3

DRAWING No.: B27-SSE101
FACILITY ID: B27
SHEET No.: 148
REV: 2

12/20/20 | 10:46 PM | ALYSSA.SOLIZ
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RECORD DRAWING #23-2140

XREF LIST:
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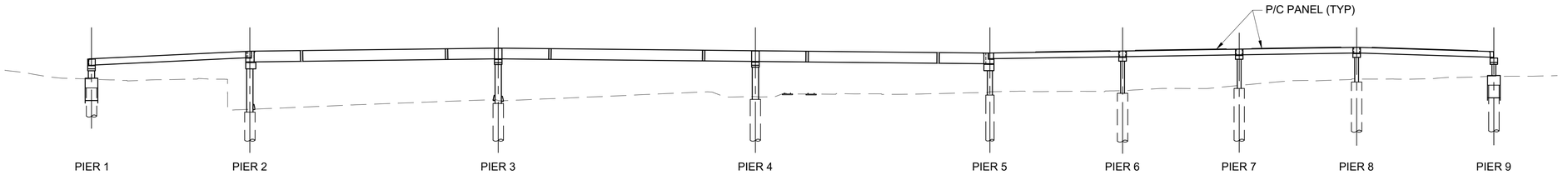


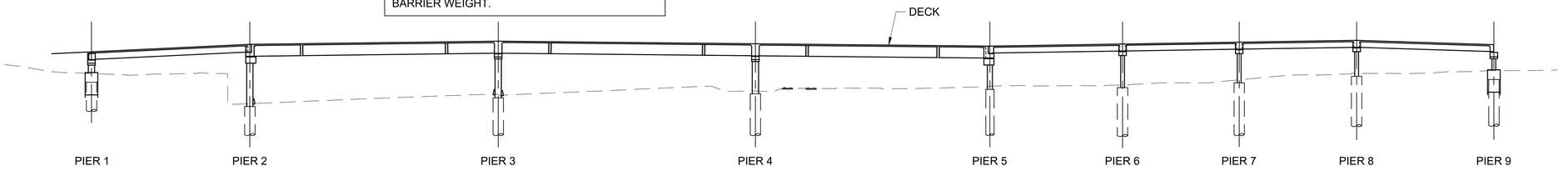
STAGE 9

ALL UNITS

STAGE 9:

1. INSTALL PRECAST PANELS.

UNIT 1: DON'T REMOVE DECK FORMWORK UNTIL SOUTH BARRIER AND CANOPY PEDESTALS ARE CAST AND A MINIMUM COMPRESSIVE OF 4,000PSI IS ACHIEVED. DESIGN FORMWORK TO TAKE BARRIER WEIGHT.

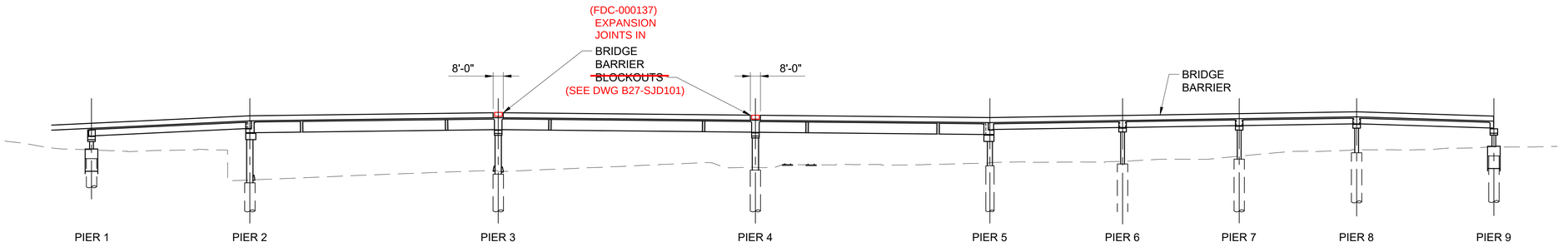


STAGE 10

STAGE 10:

1. POUR DECK SLAB PER "SLAB POUR SEQUENCE" SHEETS.
2. CUT KEEPER PLATES FOR PIER 2 TO BEAR AGAINST BEARING SOLE PLATES. 3
3. SURVEY BEARINGS AND INSTALL DISC BEARING KEEPER PLATES FOR PIER 2 AT A NOMINAL TEMPERATURE OF 64° F.
4. UNIT 1: DON'T REMOVE DECK FORMWORK UNTIL SOUTH BARRIER IS CAST AND HAS ACHIEVED A MINIMUM COMPRESSIVE STRENGTH OF ~~3,000 PSI~~ 4000 PSI (DRFI-000432). 2

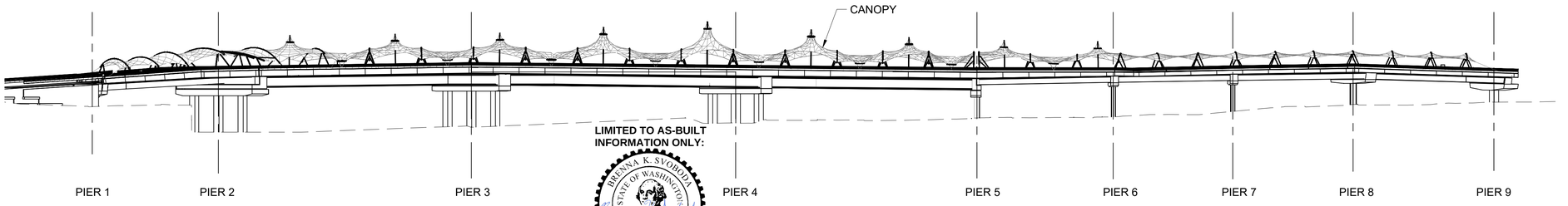
(STEPS 3 & 4 CAN WAIT UNTIL TEMPERATURE PERMITS; KEEPER PLATES SHALL BE INSTALLED BY END OF CONSTRUCTION.) (FDC-000137)



STAGE 11

STAGE 11:

1. CAST BRIDGE BARRIER ~~(EXCEPT BLOCKOUTS AT PIERS 3 & 4).~~ (FDC-000137)
2. INSTALL HARDSCAPE.
3. INSTALL LANDSCAPE PER "LANDSCAPE ERECTION SEQUENCE" SHEETS.



STAGE 12

STAGE 12:

1. ~~COMPLETE BRIDGE BARRIER BLOCKOUTS.~~ (FDC-000137)
2. INSTALL CANOPY.

1

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

1 **DESIGN PACKAGE DP021**

No.	DATE	DSN	CHK	APP	REVISION
3	12/23/20	SJD	KF	SJD	NDC-000051 - SEQUENCING CLARIFICATION
2	02/12/20	SJD	KF	SJD	NDC-000009 - GIRDER BEARING REVISIONS
1	11/04/19	SJD	KF	SJD	NDC-00003 - REVISED STAGE 11 & ADDED STAGE 12
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: S. DESPRADEL
DRAWN BY: T. ERION
CHECKED BY: K. FORARS
APPROVED BY: S. DESPRADEL

JULIKRE J. DESPRADEL — STATE OF WASHINGTON — 43080 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
12/23/2020 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO
SUBMITTED BY: G. OWEN

Kiewit
DATE: 11/04/19
REVIEWED BY: T. KRAUPA

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON
DATE: 11/04/19

SCALE: 1" = 50'
FILENAME: 149-B27-SSE102
SUBMITTAL DATE: 11/04/20

RTS PEDESTRIAN BRIDGE

CONSTRUCTION SEQUENCE
SHEET 3 OF 3

DRAWING No.: **B27-SSE102**
FACILITY ID: B27
SHEET No.: 149
REV: 3

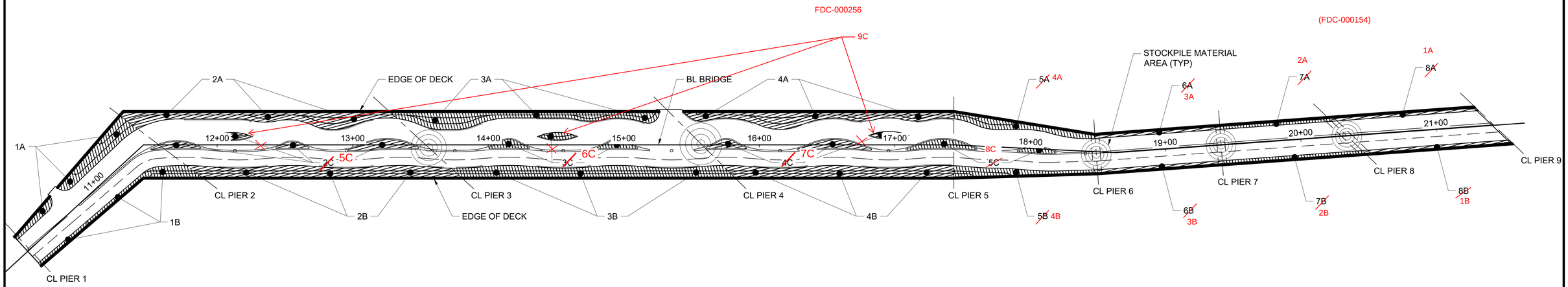
12/20/20 | 10:48 PM | ALYSSA SOLIZ
C:\PROJECTWISE\KIEWISE\D0625510\149-B27-SSE102.DWG

RECORD DRAWING #23-2141

XREF LIST:
xE360-GB-TB22x34.dwg
xE360-B27-SZK100.dwg
xE360-B27-SGP100.dwg
xE360-B27-ARP100.dwg
xE360-B27-AHP100.dwg
xE360-B27-STP100.dwg
XL-BASE (1).dwg

NOTES:

THE LOAD SHALL BE APPLIED IN THE NUMERICAL AND ALPHABETICAL SEQUENCE SHOWN. THE SEQUENCE WITHIN A BRIDGE UNIT MUST BE RESPECTED, BUT THE SEQUENCE BETWEEN UNITS MAY BE INTERCHANGED.



PLAN - LANDSCAPE LOADING SEQUENCE

NTS

LIMITED TO AS-BUILT INFORMATION ONLY:

BRENNA K. SVOBODA — STATE OF WASHINGTON — 23017591 — REGISTERED PROFESSIONAL ENGINEER

DESIGN PACKAGE DP021

IFC SUBMITTAL

No.	DATE	DSN	CHK	APP	REVISION
0	08/29/19	SJD	KF	SJD	ISSUED FOR CONSTRUCTION

DESIGNED BY: B. SVOBODA
DRAWN BY: D. HENDERSON
CHECKED BY: S. DESPRADEL
APPROVED BY: S. DESPRADEL

SHUKRE J. DESPRADEL — STATE OF WASHINGTON — 23361 — PROFESSIONAL ENGINEER
8/28/2019 EXP: 3/15/21

Kiewit — KIEWIT ENGINEERING GROUP INC. ENGLEWOOD, CO

SUBMITTED BY: G. OWEN
DATE: 08/23/19
REVIEWED BY: T. KRAUPA
DATE: 08/23/19
SUBMITTAL DATE: 08/23/19

LINE IS 1" AT FULL SCALE

CityofRedmond WASHINGTON

SCALE: NTS
FILENAME: 150-B27-LHP900

RTS PEDESTRIAN BRIDGE

LANDSCAPE LOADING SEQUENCE

DRAWING No.: **B27-LHP900**
FACILITY ID: B27
SHEET No.: 150
REV: 0

RECORD DRAWING #23-2142

08/28/19 | 3:54 PM | DIETRICH.HENDERSON
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