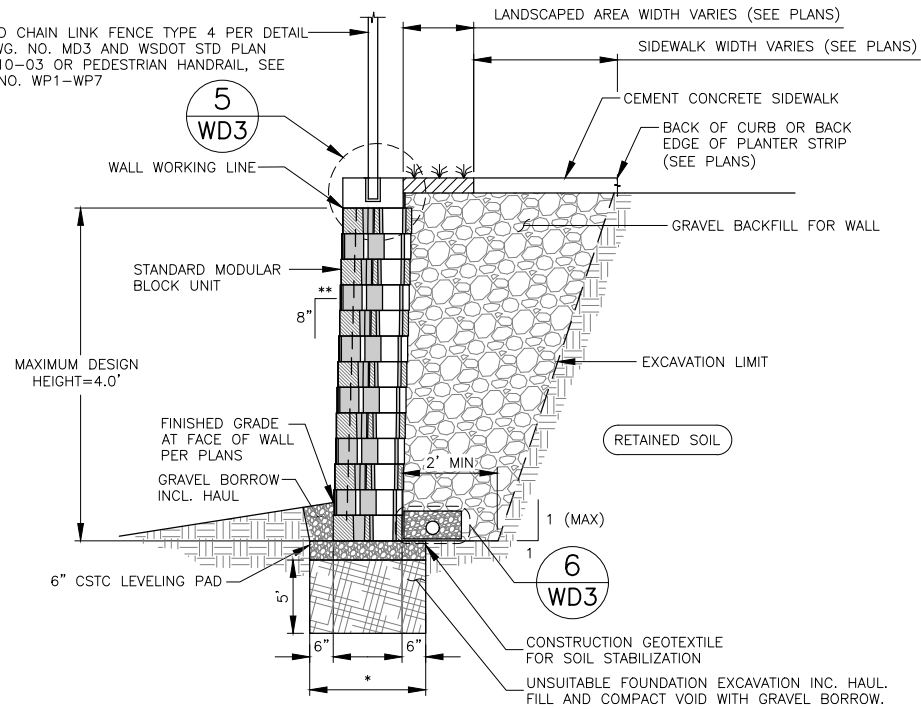
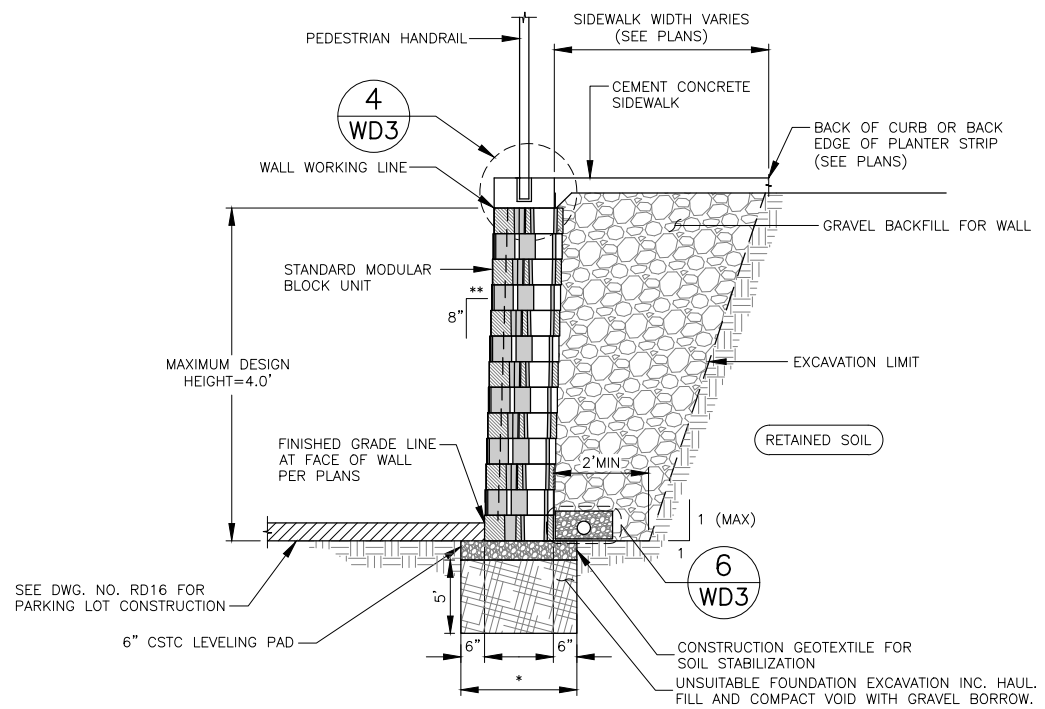


COATED CHAIN LINK FENCE TYPE 4 PER DETAIL ON DWG. NO. MD3 AND WSDOT STD PLAN L-20.10-03 OR PEDESTRIAN HANDRAIL, SEE DWG. NO. WP1-WP7



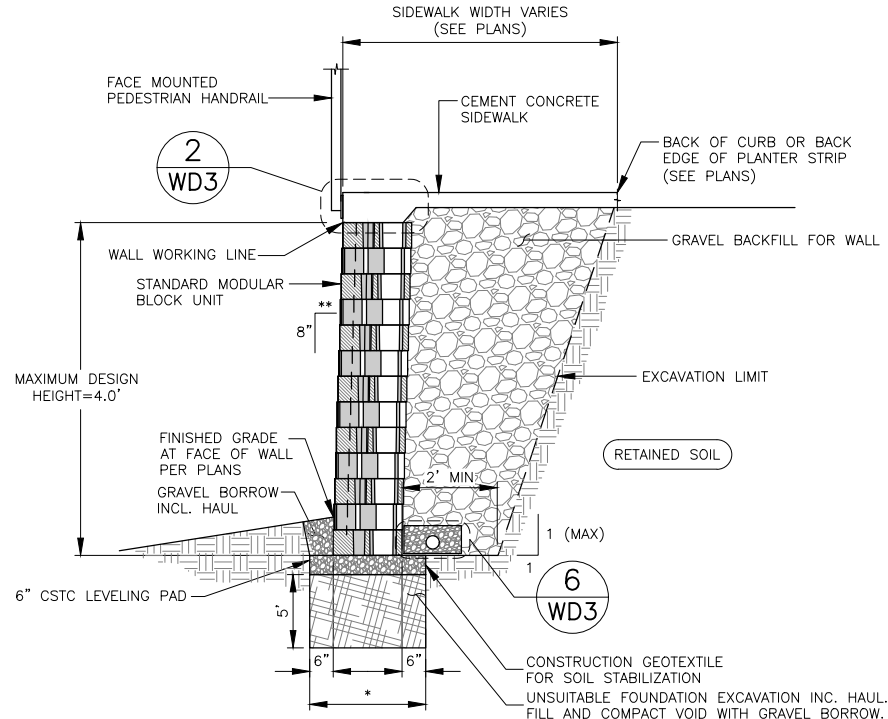
GRAVITY BLOCK FILL WALL
STANDARD UNIT - NEAR VERTICAL SETBACK
N.T.S.

* DIMENSIONS VARY DEPENDING ON WALL MANUFACTURER
WALL #1, WALL #3, WALL #4, WALL #18



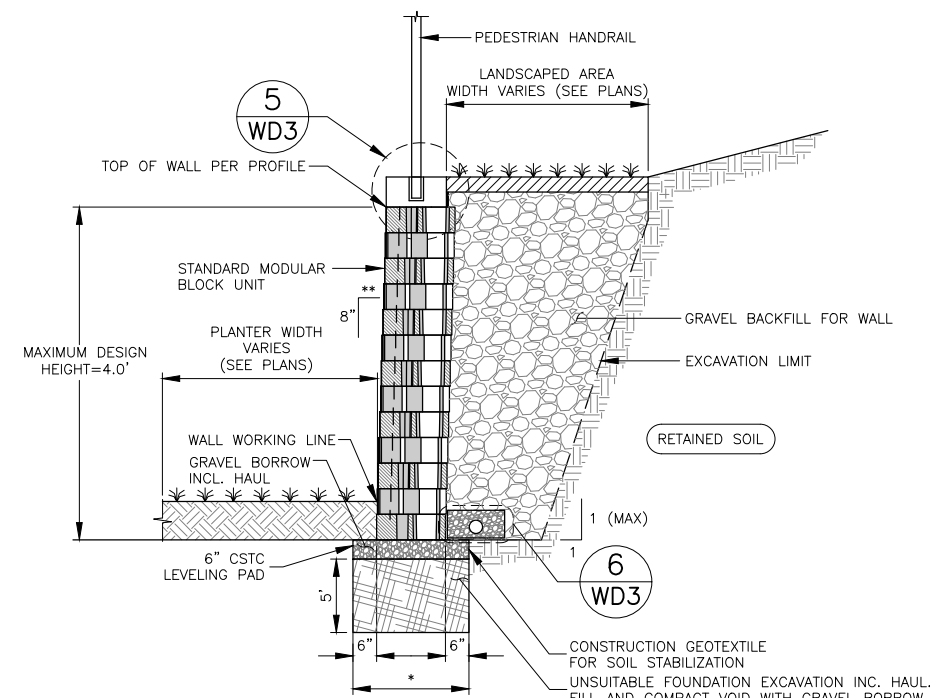
GRAVITY BLOCK FILL WALL
STANDARD UNIT - NEAR VERTICAL SETBACK
N.T.S.

* DIMENSIONS VARY DEPENDING ON WALL MANUFACTURER
WALL #6B



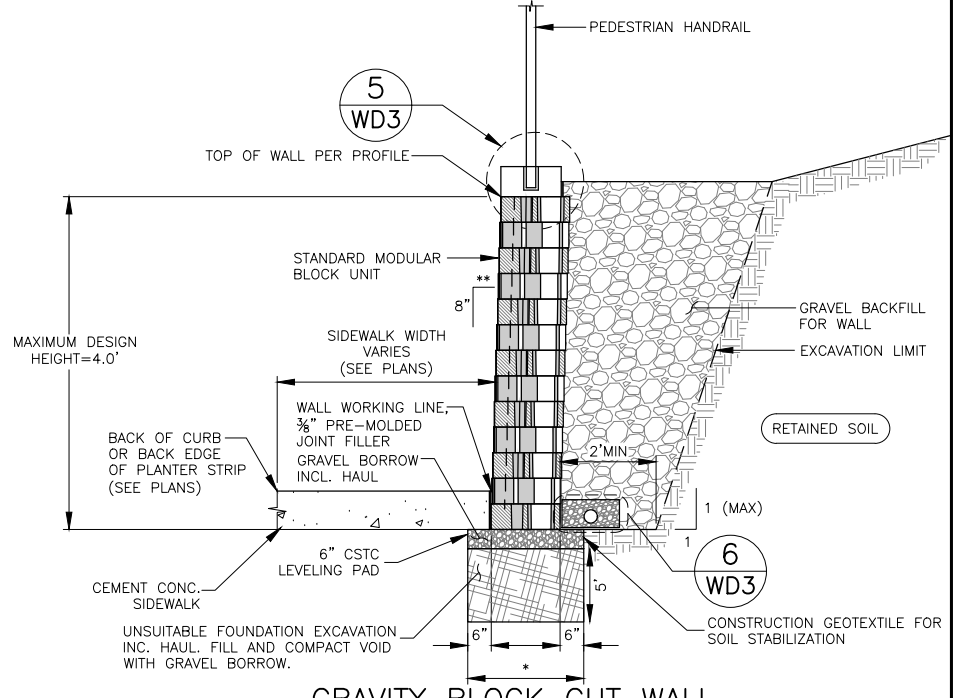
GRAVITY BLOCK FILL WALL
STANDARD UNIT - NEAR VERTICAL SETBACK
N.T.S.

* DIMENSIONS VARY DEPENDING ON WALL MANUFACTURER
WALL #5A STA 0+10.00 TO STA 1+32.24



GRAVITY BLOCK CUT WALL
STANDARD UNIT - NEAR VERTICAL SETBACK
N.T.S.

* DIMENSIONS VARY DEPENDING ON WALL MANUFACTURER
WALL #5B STA 2+25.84 TO STA 2+98.53 AND
WALL #5B STA 3+16.54 TO END OF WALL



GRAVITY BLOCK CUT WALL
STANDARD UNIT - NEAR VERTICAL SETBACK
N.T.S.

* DIMENSIONS VARY DEPENDING ON WALL MANUFACTURER
WALL #6A STA 0+78.43 TO STA 1+01.90,
WALL 5B STA 1+72.32 TO 2+35.94, WALL #5B STA 2+98.54 TO STA 3+16.54

NOTES:

1. STAINLESS STEEL AND ALUMINUM ANCHORAGE, FOLLOW MANUFACTURER'S DETAILS AND SPECIFICATIONS.
 2. APPLY 15 MILLS OF COAL TAR EPOXY TO ALUMINUM SURFACES WHICH WILL COME IN CONTACT WITH CONCRETE.
 3. SUPPLIER SHALL VERIFY COMPLIANCE WITH 2003 IBC SECTION 1012 FOR LAYOUT AND GEOMETRY AND SECTION 1607.7 FOR STRENGTH AND SURFACE MOUNT ATTACHMENT REQUIREMENTS.
 4. PROVIDE STAINLESS STEEL SCREW (OR OTHER APPROVED METHOD) TO FASTEN CAP TO POST.
 5. RAILING SHALL CONFORM TO THE NOTES ON CITY OF LYNNWOOD STD DRAWING ST-SID-4.
 6. SEE SPECIAL PROVISIONS 8-24 AND 6-13 FOR WALL DESIGN REQUIREMENTS.
 7. ALL STATION AND OFFSETS ARE MEASURED TO THE FACE OF WALL.
 8. ELEVATIONS SHOWN ARE INFORMATIONAL ONLY. THE CONTRACTOR SHALL SUBMIT ENGINEERED WALL PLANS THAT MEET THE REQUIREMENTS OF THE PLANS, PROJECT SPECIFICATIONS AND MANUFACTURER RECOMMENDATIONS.
 9. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY AND LOCATE ALL UTILITY CROSSINGS THROUGH, UNDER AND AROUND WALL.
 10. CONSTRUCTION SHALL BE PHASED SUCH THAT REINFORCING GEOGRID IS NOT DAMAGED CURING UTILITY INSTALLATIONS OR INSTALLATIONS OF OTHER WORK INSIDE THE REINFORCING ZONE.
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 14. CAST-IN-PLACE WALL CAP FORMED AND POURED AIR ENTRAINED CONCRETE CLASS 3000 WITH SMOOTH TROWEL FINISH.
- * DIMENSIONS VARY DEPENDING ON BLOCK MANUFACTURER.
** VARIES - 1/8" TO 1/4"

90% REVIEW
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May 09, 2023 - 12:43pm sean.delavarpour City of Lynnwood, City of Projects\20100156 - Poplar Way Extension Bridge\CADD_v.2014\Plan Sheets\20100156 WD.dwg Layout Name: WD1



Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES		5/2023
Checked By	V. WEN		5/2023
Approved By	V. WEN		5/2023

SCALE	
Horiz	N/A
Vert	N/A
Project Number	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE

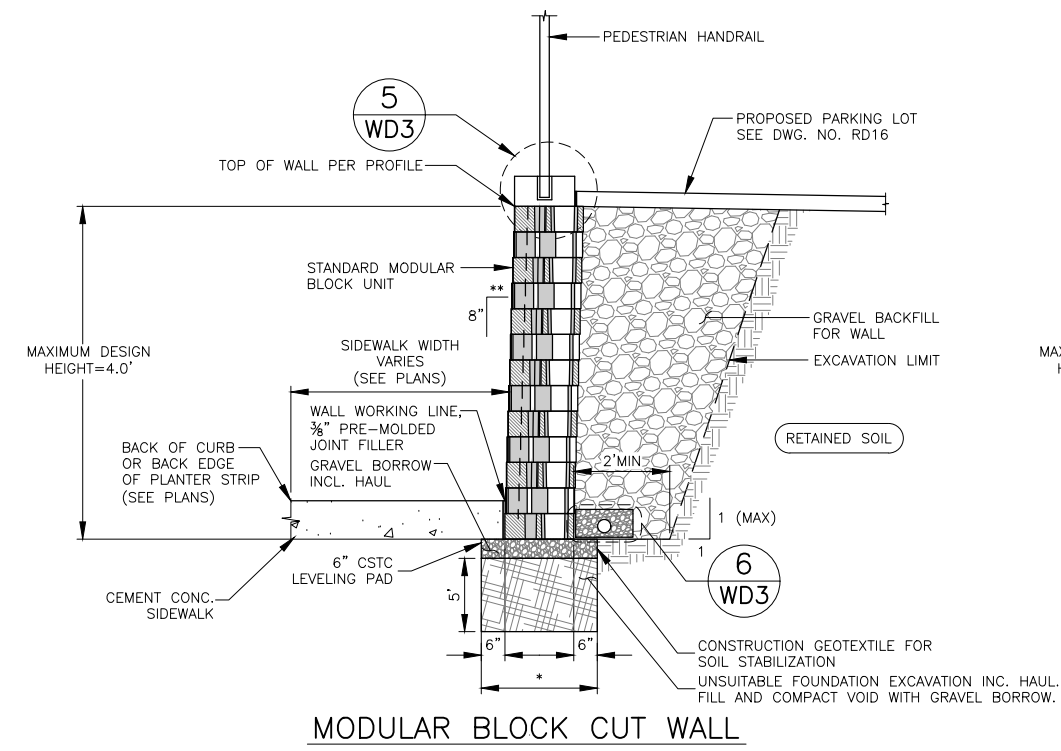
WALL DETAILS

Drawing No.	WD1
Sheet No.	X
of Total	X

NOTES:

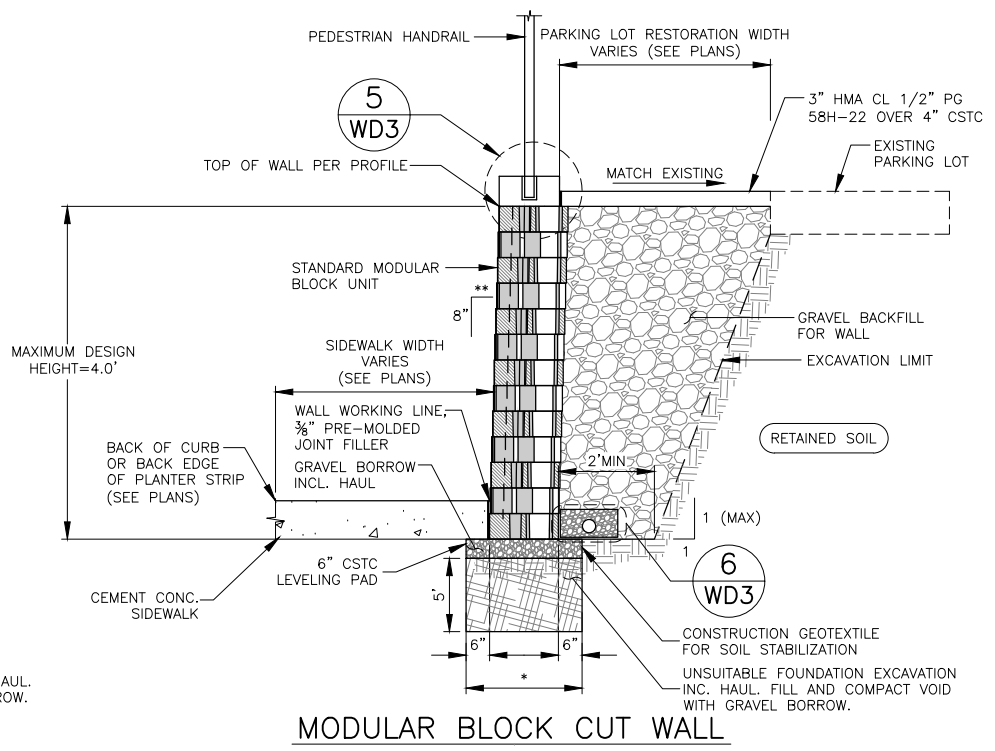
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* DIMENSIONS VARY DEPENDING ON BLOCK MANUFACTURER.
 ** VARIES - 1/8" TO 1/4"



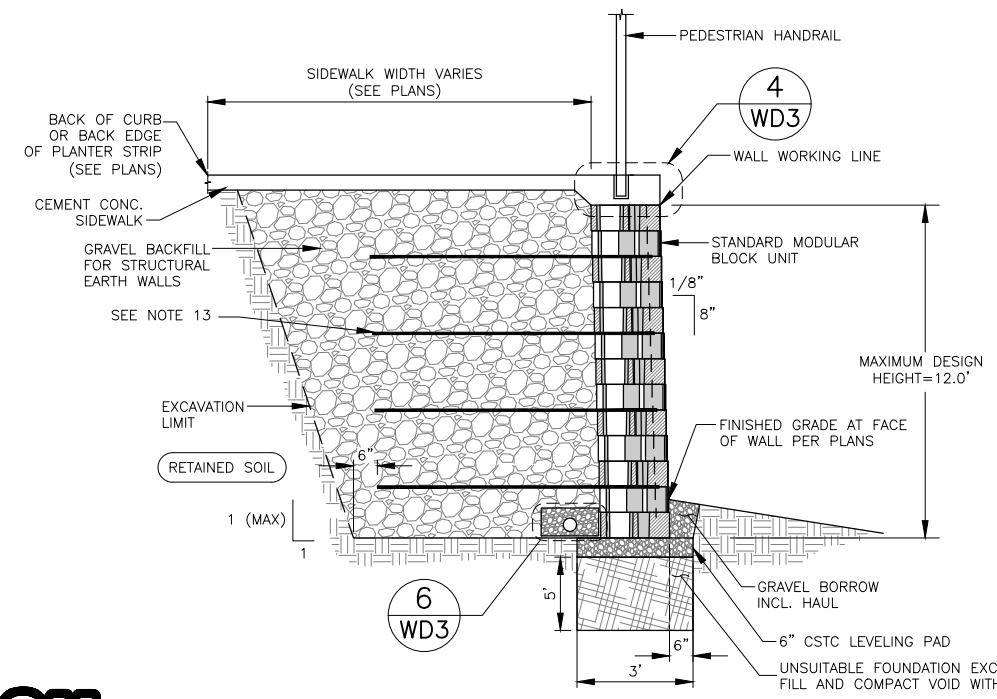
MODULAR BLOCK CUT WALL
 STANDARD UNIT - NEAR VERTICAL SETBACK
 N.T.S.

* DIMENSIONS VARY DEPENDING ON WALL MANUFACTURER
 WALL #6A STA 0+09.41 TO STA 0+78.43,
 WALL #6A STA 1+01.90 TO END OF WALL



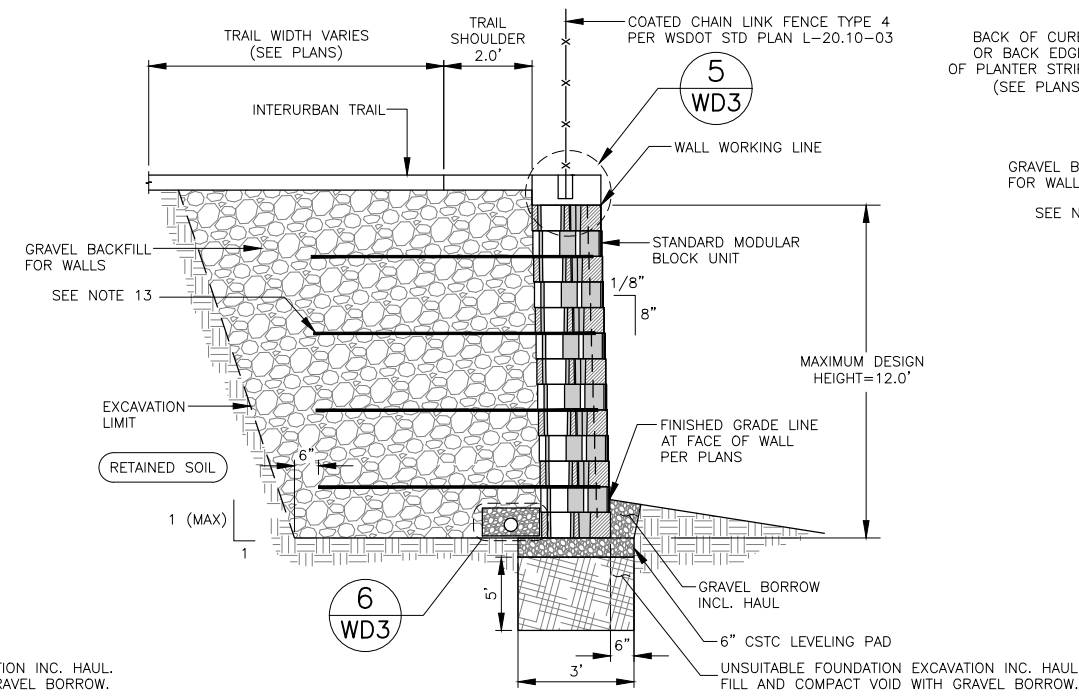
MODULAR BLOCK CUT WALL
 STANDARD UNIT - NEAR VERTICAL SETBACK
 N.T.S.

WALL #5B STA 1+32.24 TO STA 1+72.32



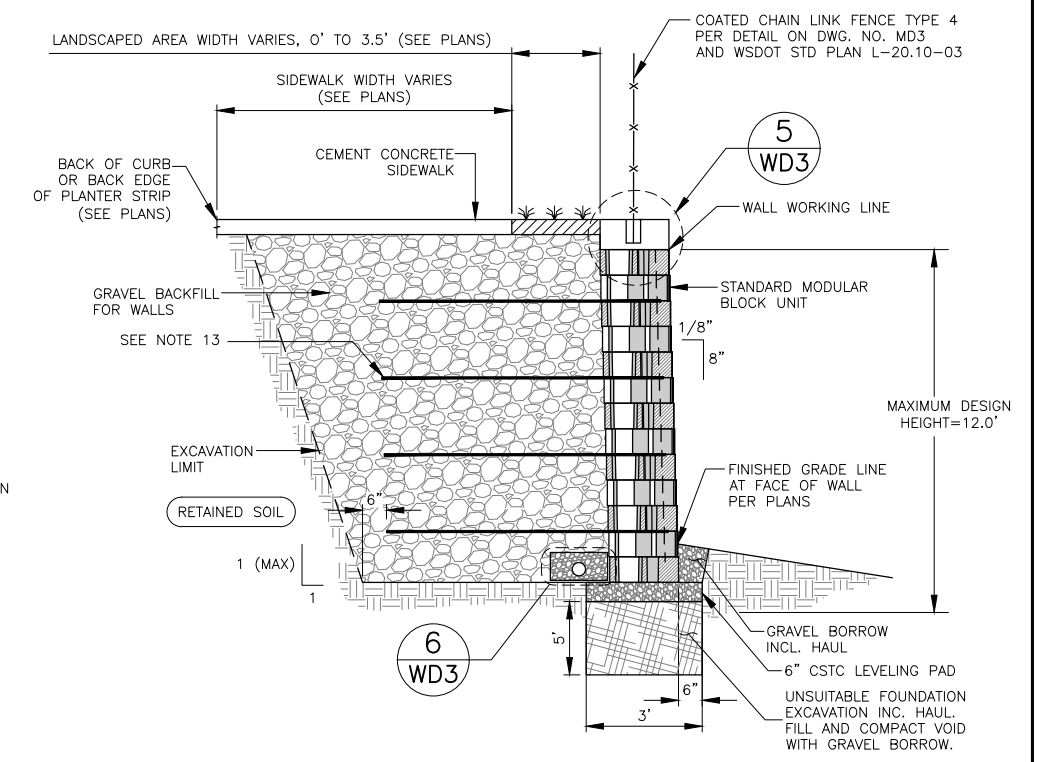
STRUCTURAL EARTH FILL WALL DETAIL
 STANDARD UNIT - NEAR VERTICAL SETBACK
 N.T.S.

WALL #2 STA 0+10.00 TO STA 3+49.00, WALL #13, WALL #14, WALL #19



STRUCTURAL EARTH FILL WALL DETAIL
 STANDARD UNIT - NEAR VERTICAL SETBACK
 N.T.S.

WALL #7

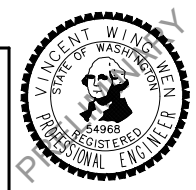


STRUCTURAL EARTH FILL WALL DETAIL
 STANDARD UNIT - NEAR VERTICAL SETBACK
 N.T.S.

WALL #2 STA 3+49.00 TO STA 5+93.41

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May 09, 2023 - 12:43pm
 sean.delavarpour
 City of Lynnwood - City of Lynnwood - Poplar Way Extension Bridge CADD v.2014 - Plan Sheets\20100156 WD.dwg
 Layout Name: WD2



Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

SCALE	
Horiz	N/A
Vert	N/A
Project Number	20100156

CITY OF LYNNWOOD
 POPLAR WAY EXTENSION BRIDGE

WALL DETAILS

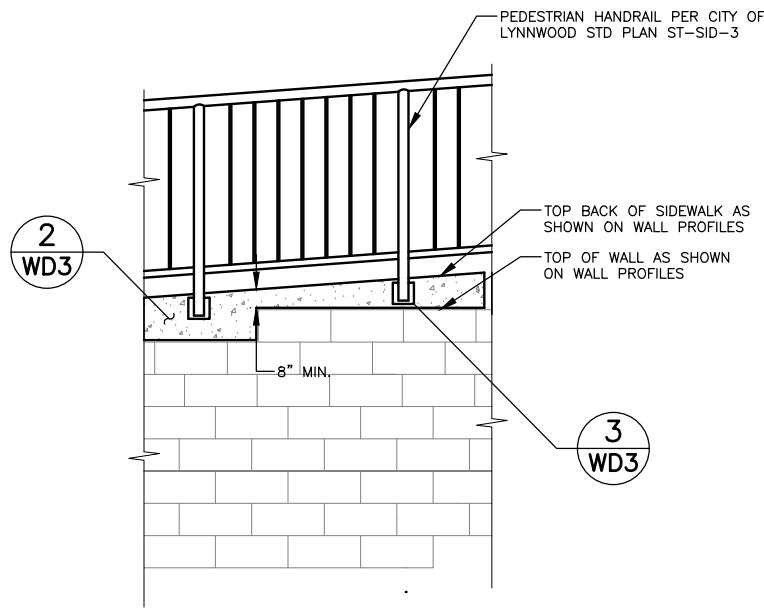
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of Total	X

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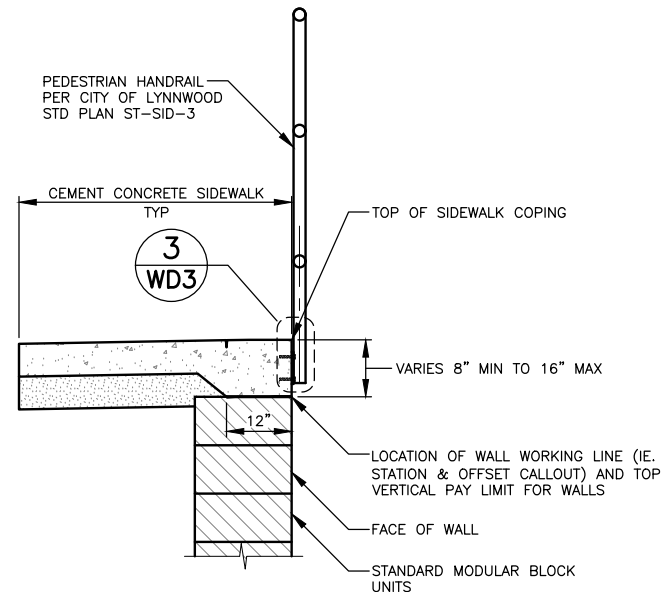
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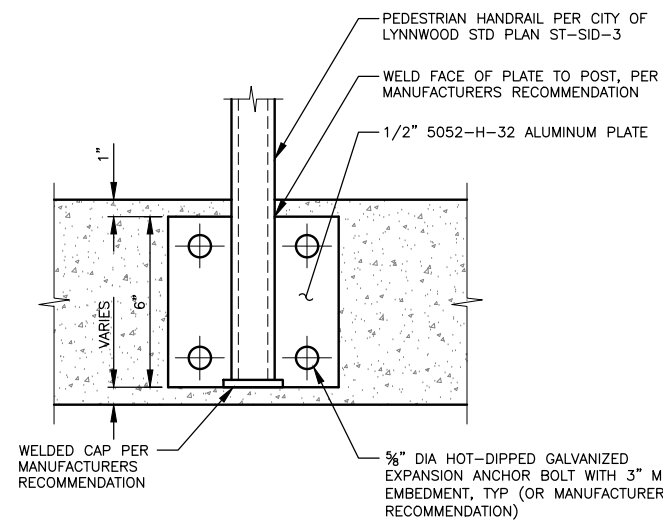
** VARIES - 1/8" TO 1/4"



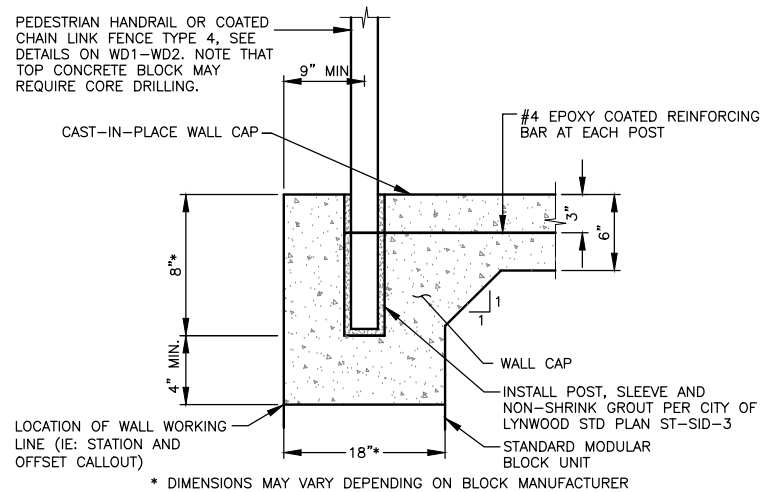
HANDRAIL MOUNTING PROFILE VIEW 1
N.T.S. **WD3**



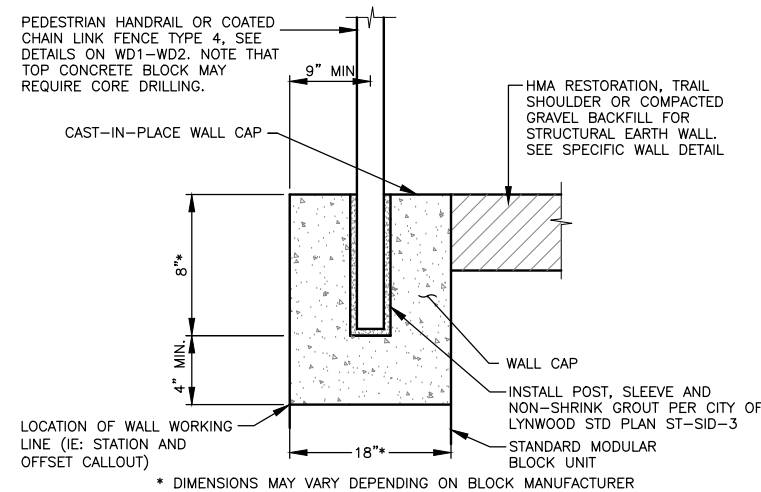
SIDEWALK COPING DETAIL 2
N.T.S. **WD3**



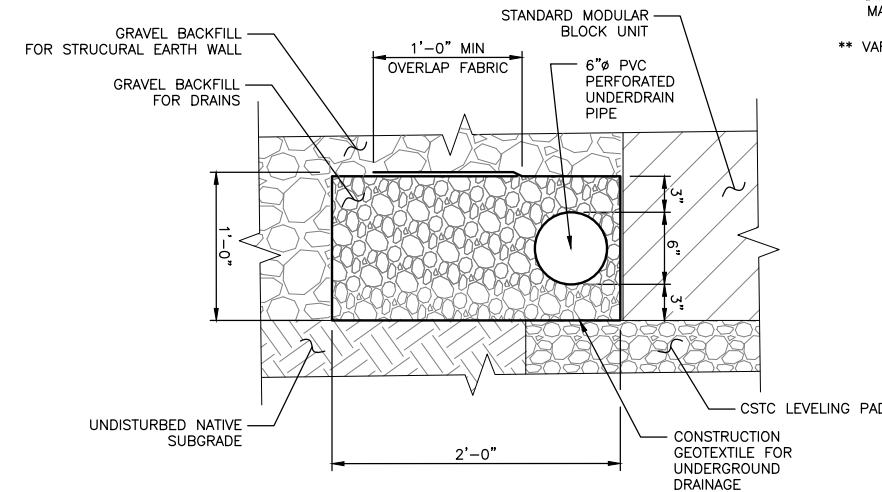
FACE MOUNTED PEDESTRIAL HANDRAIL DETAIL 3
N.T.S. **WD3**



CAST-IN-PLACE POST DETAIL 4
N.T.S. **WD3**



ALTERNATIVE CAST-IN-PLACE POST DETAIL 5
N.T.S. **WD3**



UNDERDRAIN PIPE DETAIL 6
N.T.S. **WD3**



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May 09, 2023 12:43pm sean.delavarpour X:\Lynnwood_City of\Projects\20100156 - Poplar Way Extension Bridge\CADD_v.2014\Plan Sheets\20100156 WD.dwg Layout Name: WD3

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD WASHINGTON



Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Date	5/2023
Checked By	V. WEN	Date	5/2023
Approved By	V. WEN	Date	5/2023

SCALE	Horiz	N/A
	Vert	N/A
Project Number	20100156	

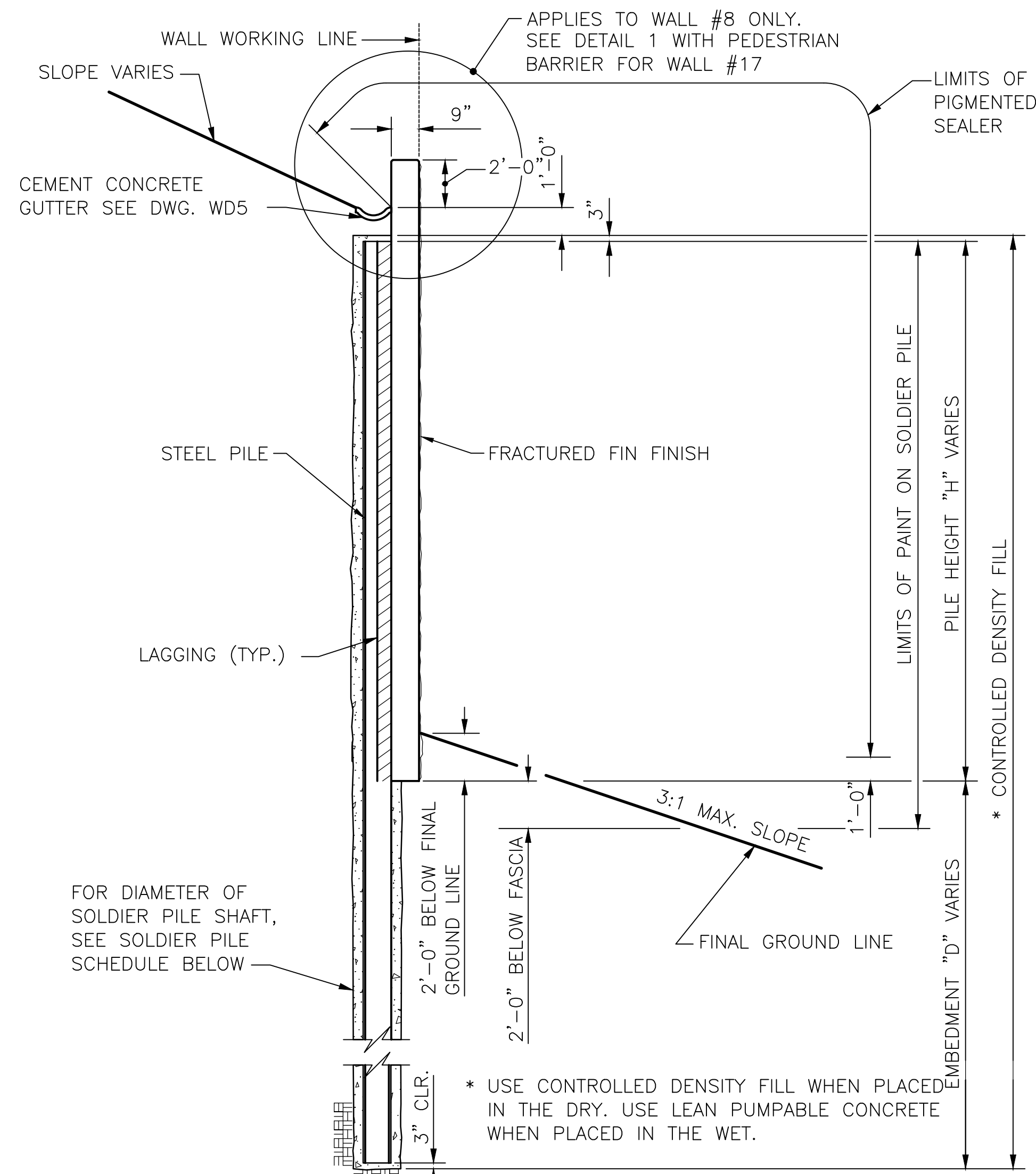
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
WALL DETAILS

Drawing No.	WD3
Sheet No.	X
of Total	X

No.	Date	Revision	By	Appr.

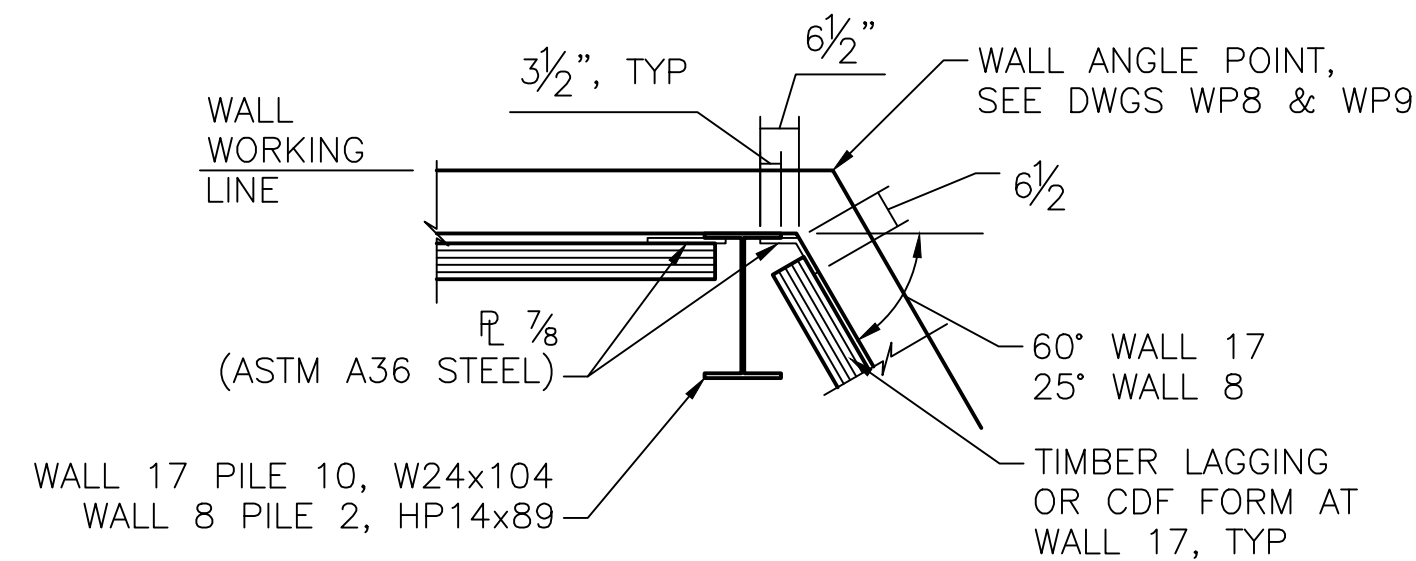
GENERAL NOTES

- ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION-ENGLISH UNITS, DATED 2022, AND AMENDMENTS (STANDARD SPECIFICATIONS).
- THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION, WITH ERRATA THROUGH 2021 AND THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL WITH UPDATES AND DESIGN MEMOS THROUGH JUNE 2022.
- THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING UTILITIES WITHIN THE VICINITY OF THE WALLS PRIOR TO BEGINNING WALL CONSTRUCTION.
- MATERIALS
 - CONCRETE:**
 - CONCRETE IN DRILLED SHAFTS SHALL EITHER BE CDF OR PUMPABLE LEAN CONCRETE IN ACCORDANCE WITH SECTION 6-16.3(5) OF THE SPECIFICATIONS.
 - ALL SHOTCRETE SHALL CONFORM TO SHOTCRETE FACING IN ACCORDANCE WITH SECTION 6-18 OF THE SPECIFICATIONS.
 - ALL OTHER CONCRETE SHALL BE CONCRETE CLASS 4000.
 - REINFORCEMENT:**
 - ALL REINFORCING BARS SHALL BE AASHTO M-31, GRADE 60 EXCEPT AS NOTED.
 - STEEL:**
 - ALL SOLDIER PILES SHALL CONFORM TO ASTM A992. SOLDIER PILES SHALL BE PAINTED TO THE LIMITS SHOWN IN THE PLANS IN ACCORDANCE WITH SECTION 6-16.3(4).
 - * ALL OTHER STRUCTURAL STEEL SHALL CONFORM TO AASHTO M270 GRADE 36.
- UNLESS OTHERWISE SHOWN IN THE PLANS, THE CONCRETE COVER MEASURED FROM THE FACE OF THE CONCRETE TO THE FACE OF ANY REINFORCING STEEL SHALL BE 1 1/2".
- ALL DIMENSIONS ARE HORIZONTAL AND VERTICAL UNLESS OTHERWISE SHOWN.
- EXISTING GROUND LINE IS APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.
- THE SEQUENCE OF CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TEMPORARY GUYS, BRACING, SHORING, AND OTHER SUPPORTS AS NEEDED TO SAFELY RESIST ALL LOADS DURING CONSTRUCTION.
- FOR GEOTECHNICAL RECOMMENDATIONS, SEE GEOTECHNICAL DESIGN RECOMMENDATIONS DATED 04/12/2023 BY HWA GEOSCIENCES INC.
- ALL WELDING SHALL BE DONE TO MINIMIZE DISTORTION. THE WELDING SEQUENCES AND PROCEDURES TO BE USED SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO THE START OF WELDING.
- ALL EXPOSED SURFACES FROM THE TOP OF WALL TO 1 FOOT BELOW FINISHED GRADE AND ALL EXPOSED TRAFFIC BARRIER SURFACES SHALL BE SEALED WITH PIGMENTED SEALER AS PER THE SPECIAL PROVISIONS.
- UNLESS NOTED OTHERWISE, MINIMUM LAP SPLICES SHALL BE CLASS B WITH LENGTHS AS GIVEN ON DWG. BR3.



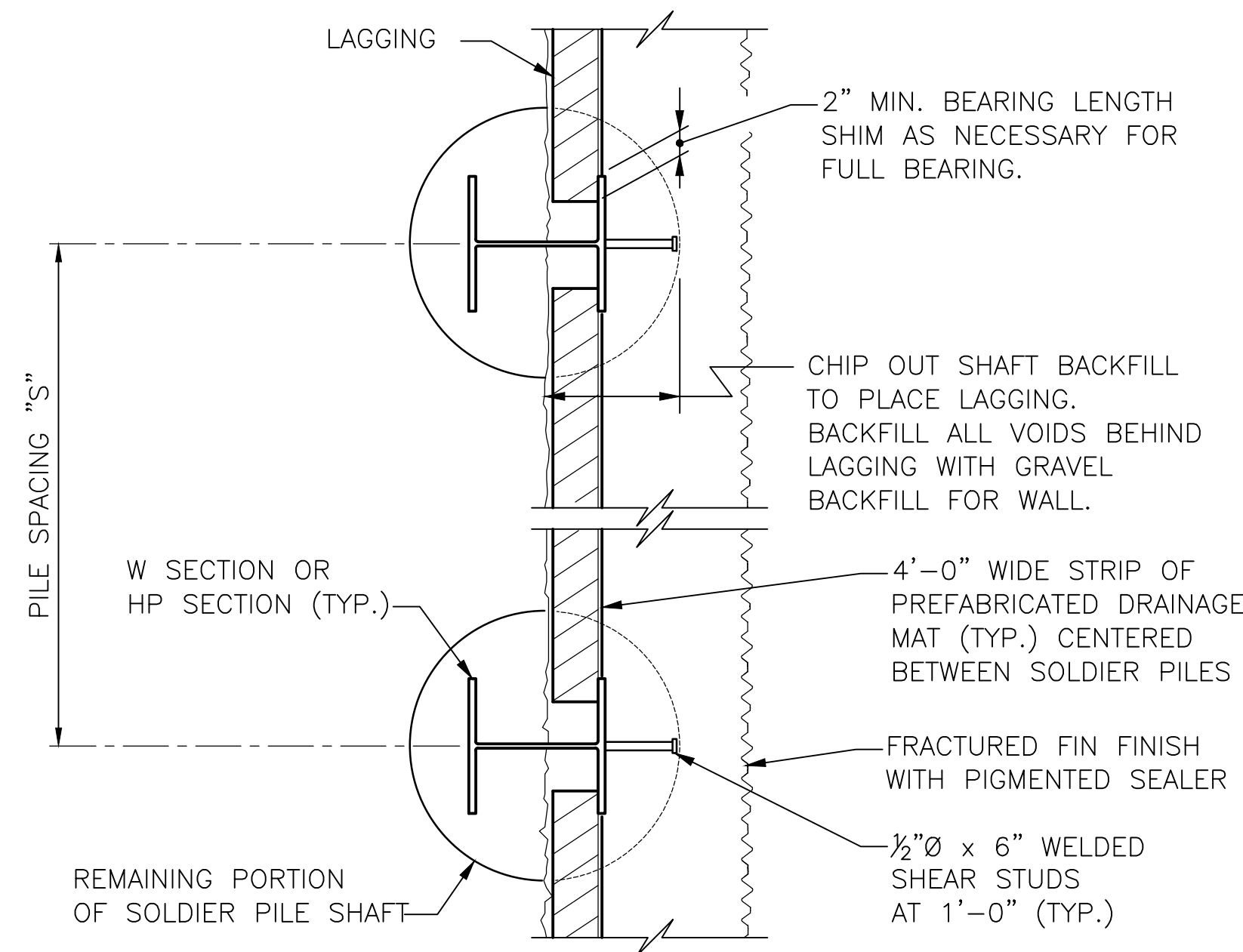
TYPICAL SECTION

LAGGING SYSTEM SHALL BE DESIGNED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 6-16.3(6).

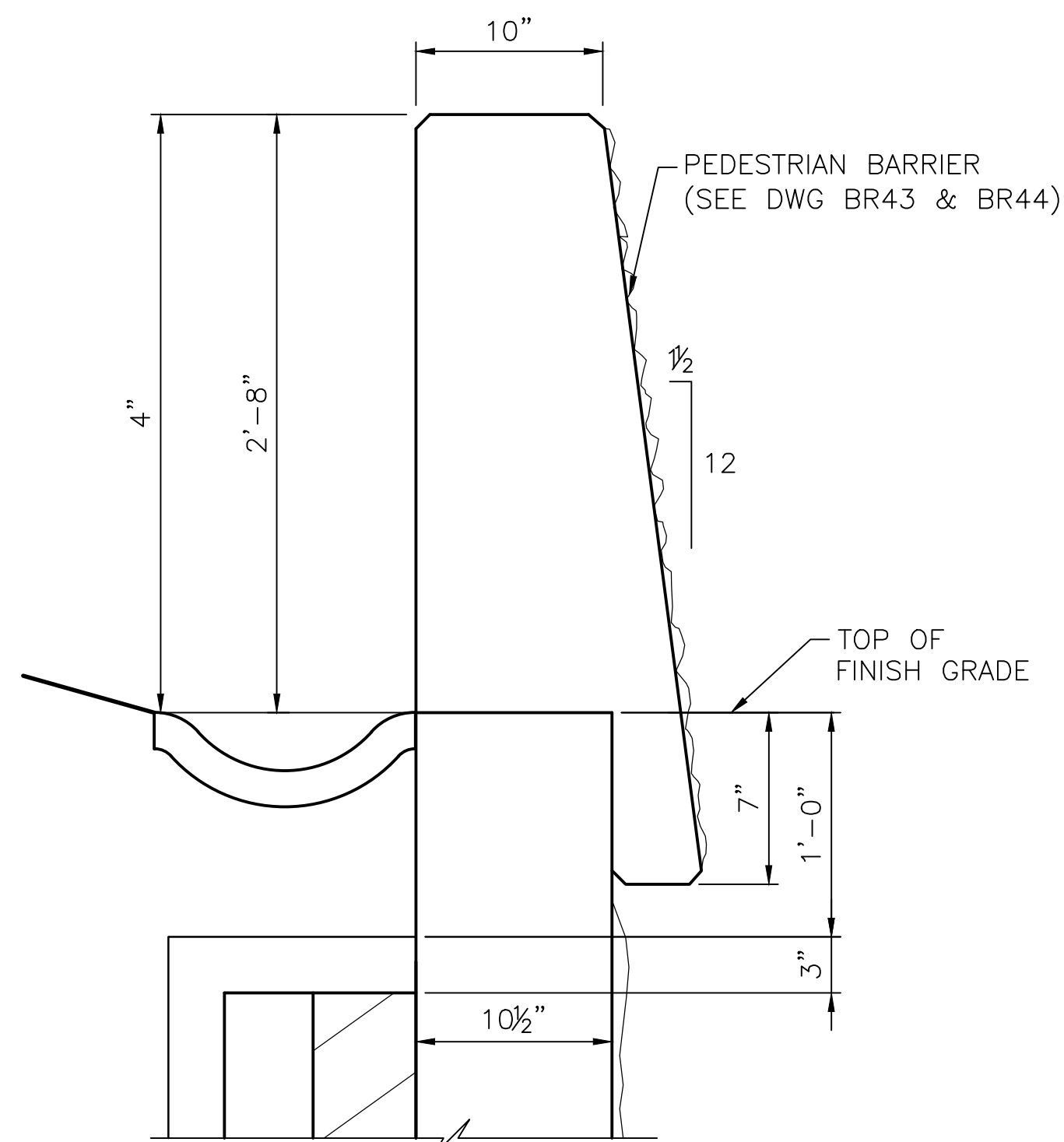


DETAIL 2

2
WP8
WP9



PLAN - SOLDIER PILE WALL



DETAIL 1

TOP OF WALL #17

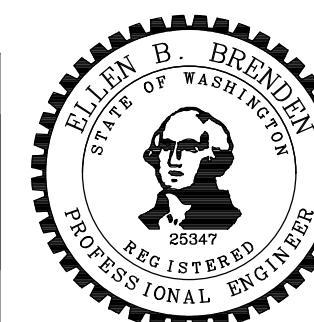
SOLDIER PILE RETAINING WALL SCHEDULE

PILE NO.		WALL STATION		SPACING "S" (A)	NO. SPACES	MAX HEIGHT "H" (FT.)	EMBEDMENT "D" (FT.)	PILE SECTION	SHAFT DIA. (FT.)
FROM	TO	FROM	TO						
WALL #8									
1	13	8+04	9+00	8.0	12	12	15	HP14X89	2.5
WALL #17									
1	2	17+02	17+07	5.0	1	23	20	W24X146	3
3	4	17+13.67	17+20.33	6.67	1	23	20	W24x146	3
5	10	17+27.00	17+60.33	6.67	5	23	20	W24x104	3

90% REVIEW
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May 04, 2023 - 12:28pm adharper \\seaw01\jbs6024\CADD\DS001\Drawings\STRUCT\0100156_WD4.dwg Layout Name: 20100156_WD4

No.	Date	Revision	By	Appr.

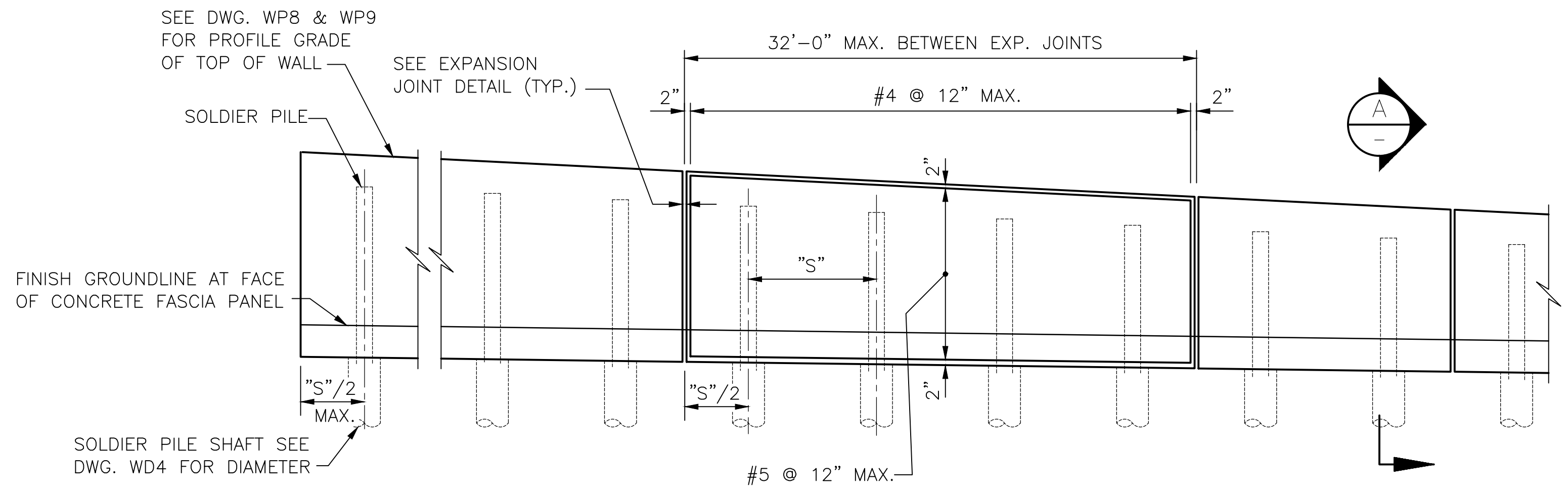


Drawn By	Date	SCALE
ADH	4/3/23	
Designed By		Horiz N/A
GV	4/3/23	Vert N/A
Checked By		
EBB	4/3/23	Project Number 20100156
Approved By		

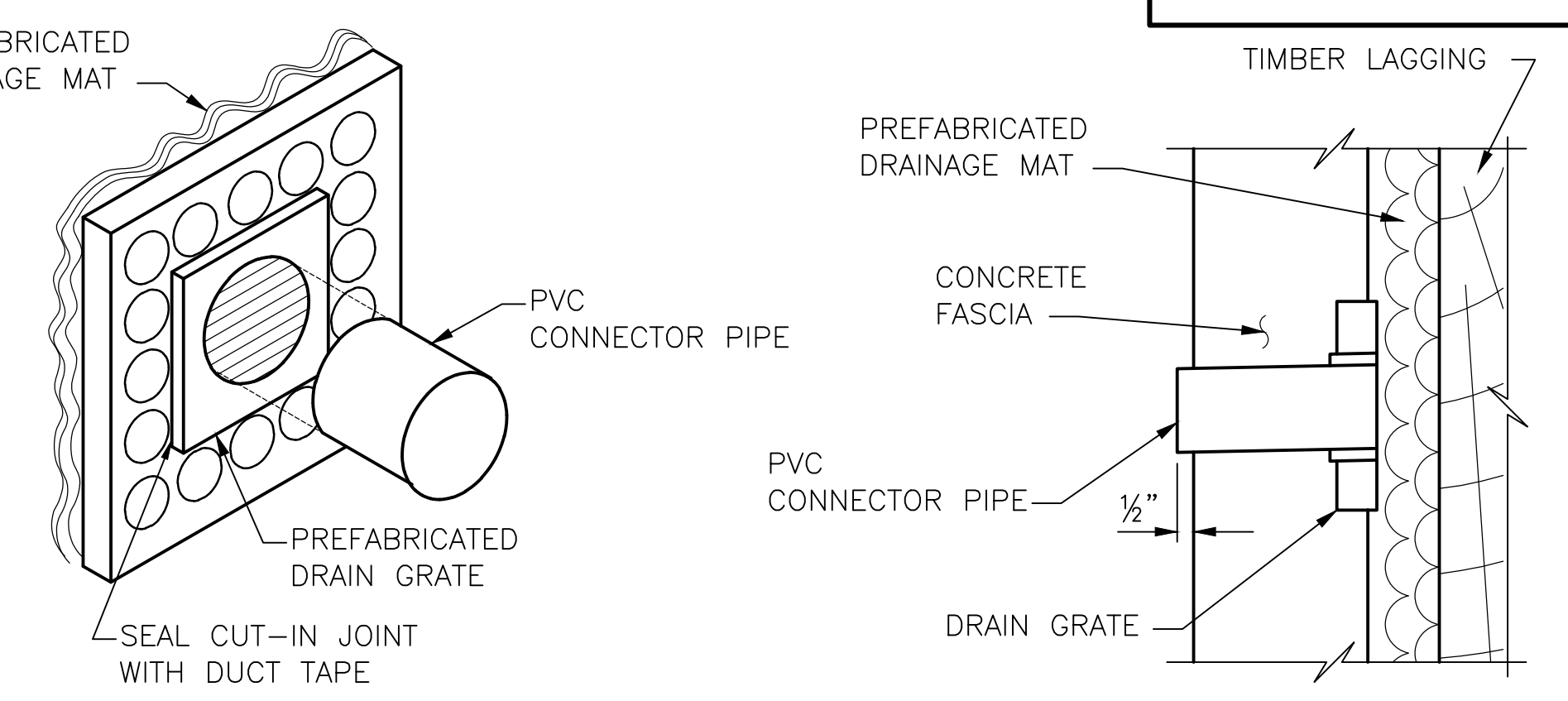
CITY OF LYNNWOOD	
POPLAR WAY EXTENSION BRIDGE	
SOLDIER PILE WALL DETAILS	

Drawing No.	WD4
Sheet No.	X
of Total	

C/S 3120 ~ PROJ. NO. TA2797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE

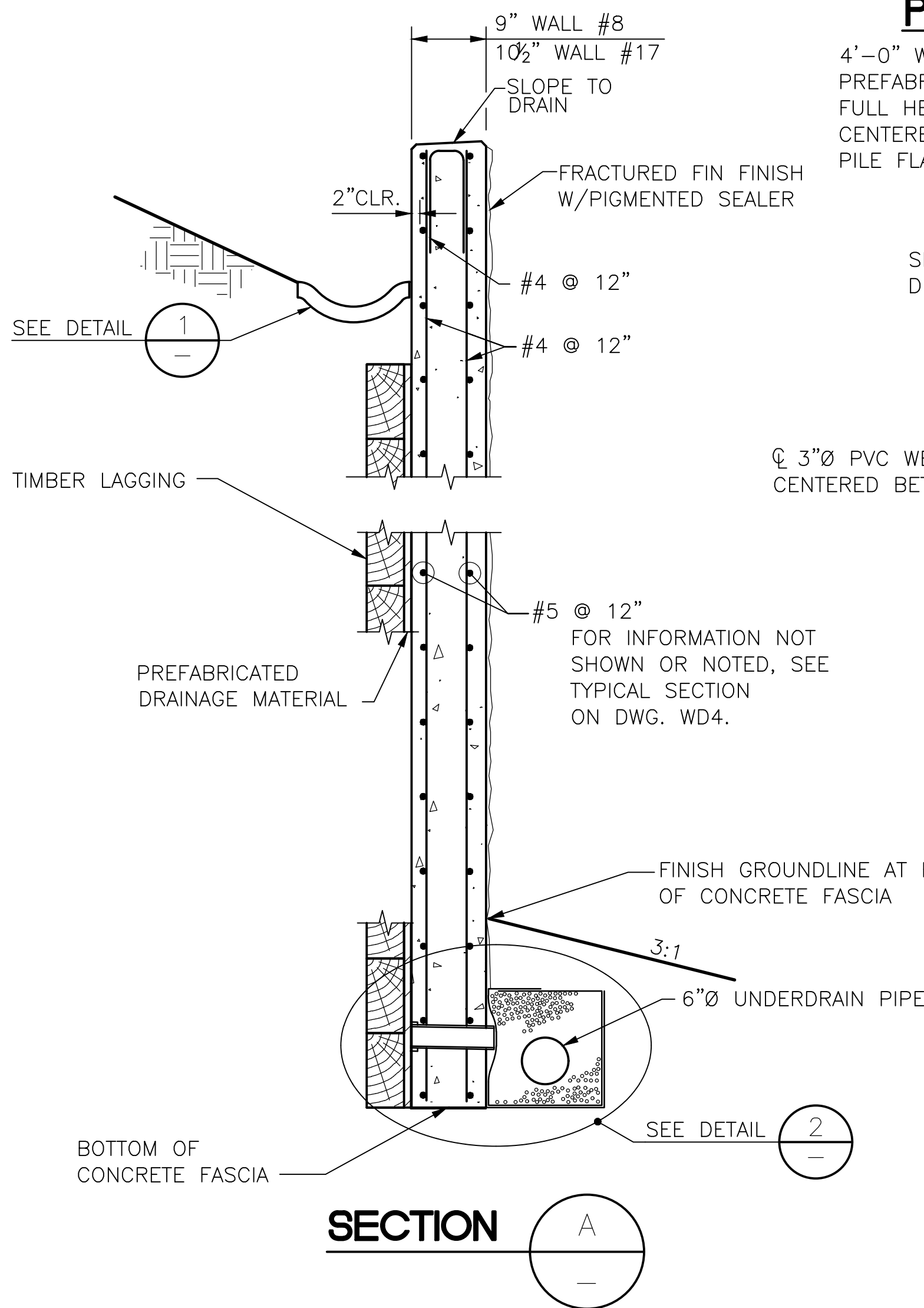


PARTIAL WALL ELEVATION

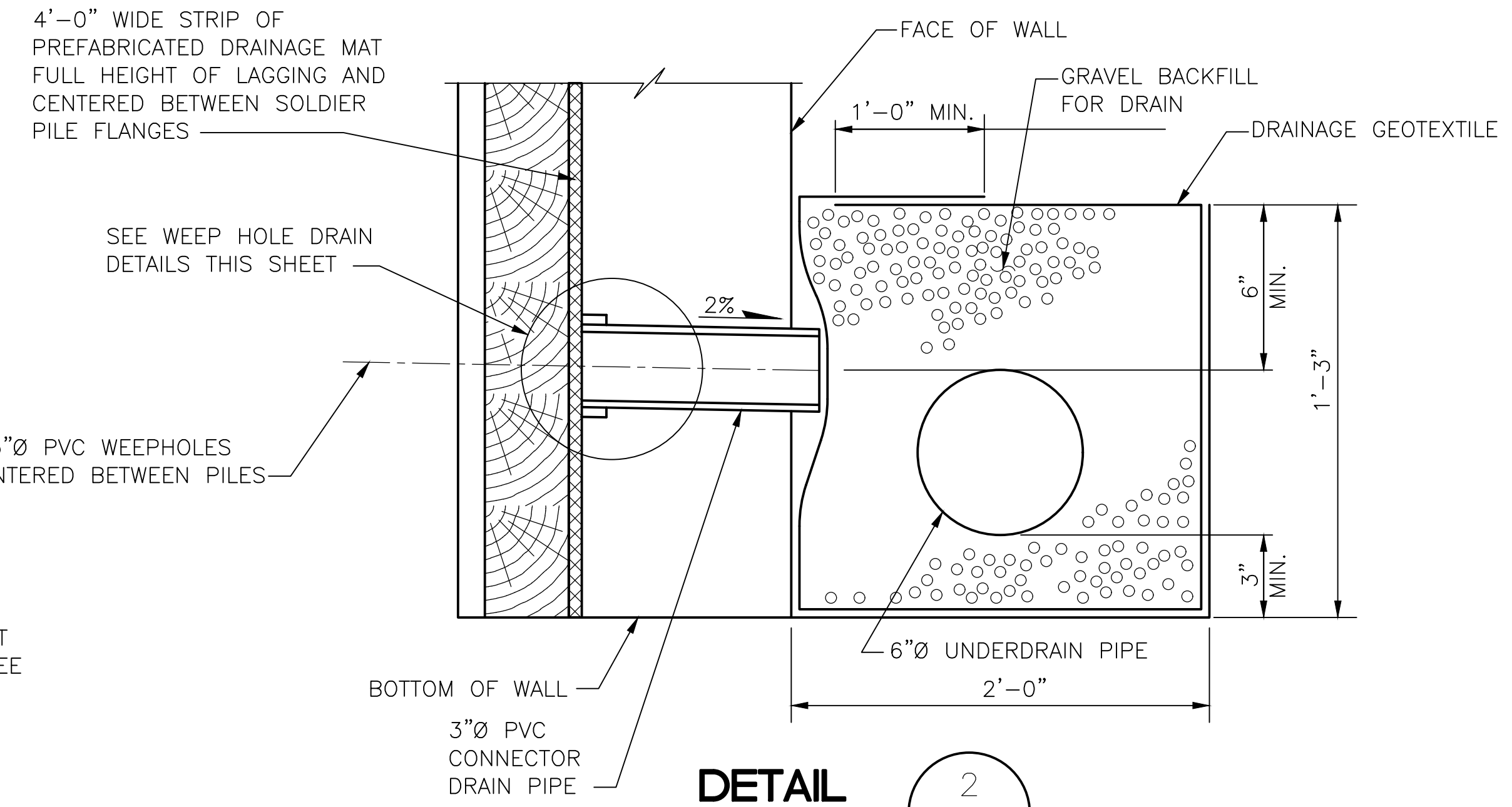


WEEP HOLE DRAIN DETAILS

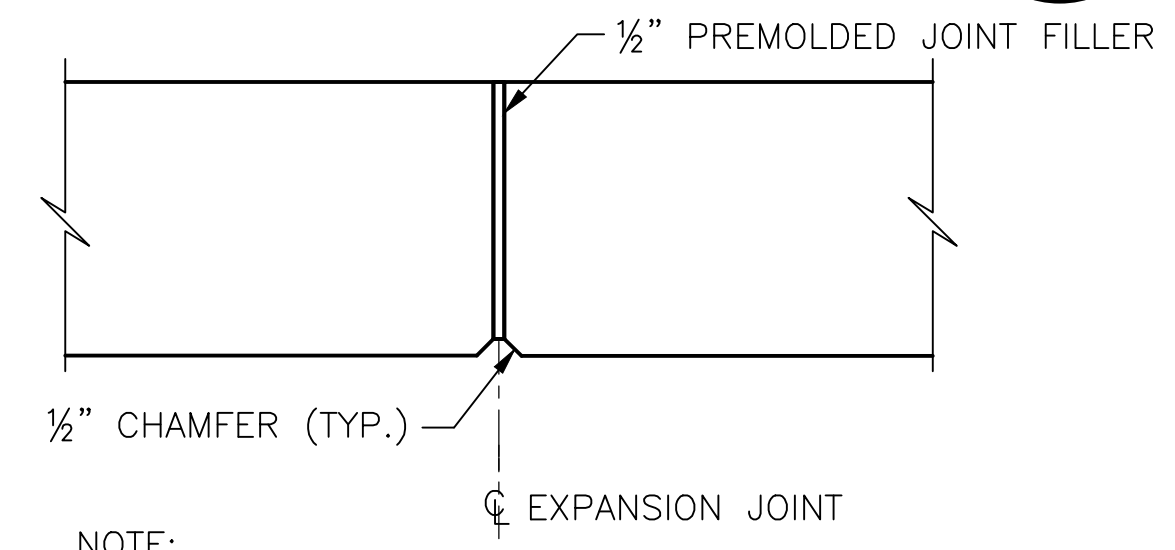
DRAIN GRATE INSTALLATION SHALL NOT DISRUPT PREFABRICATED DRAINAGE MAT



SECTION A-A

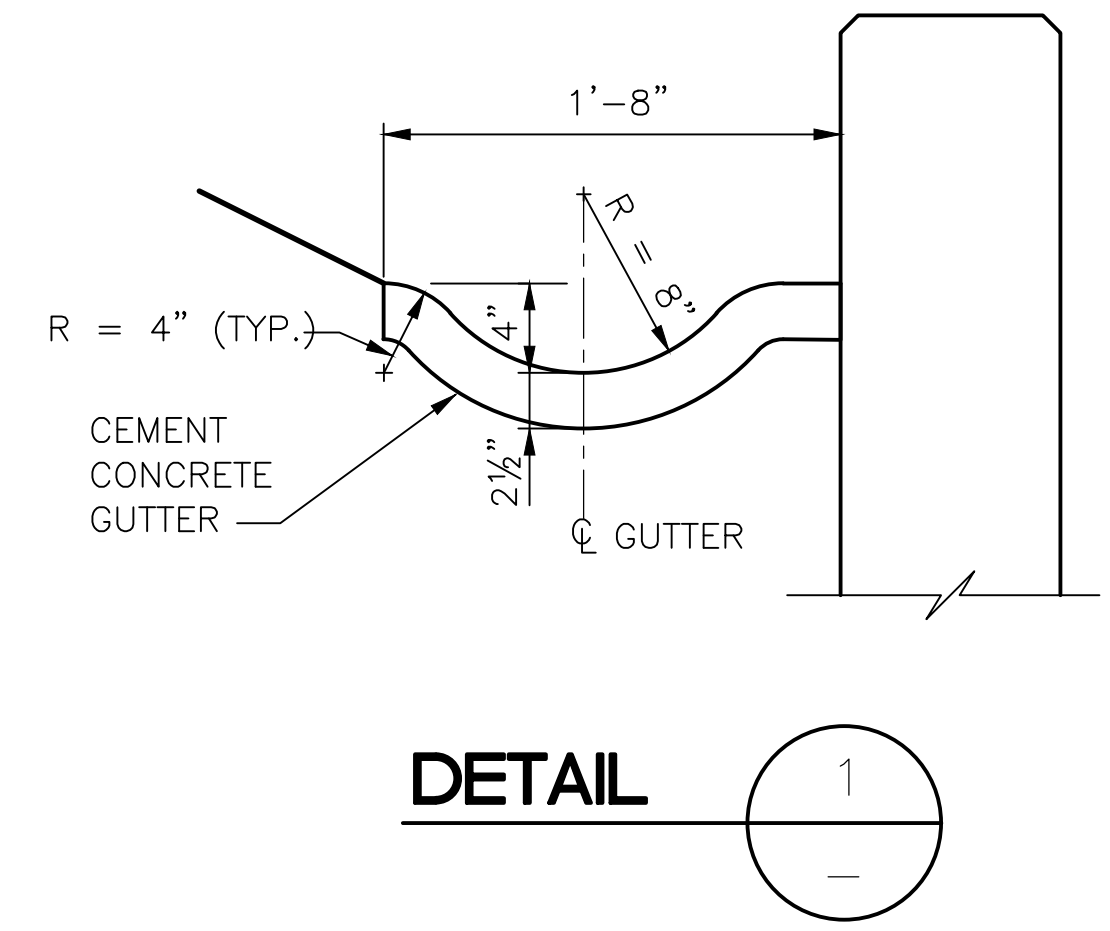


DETAIL 2

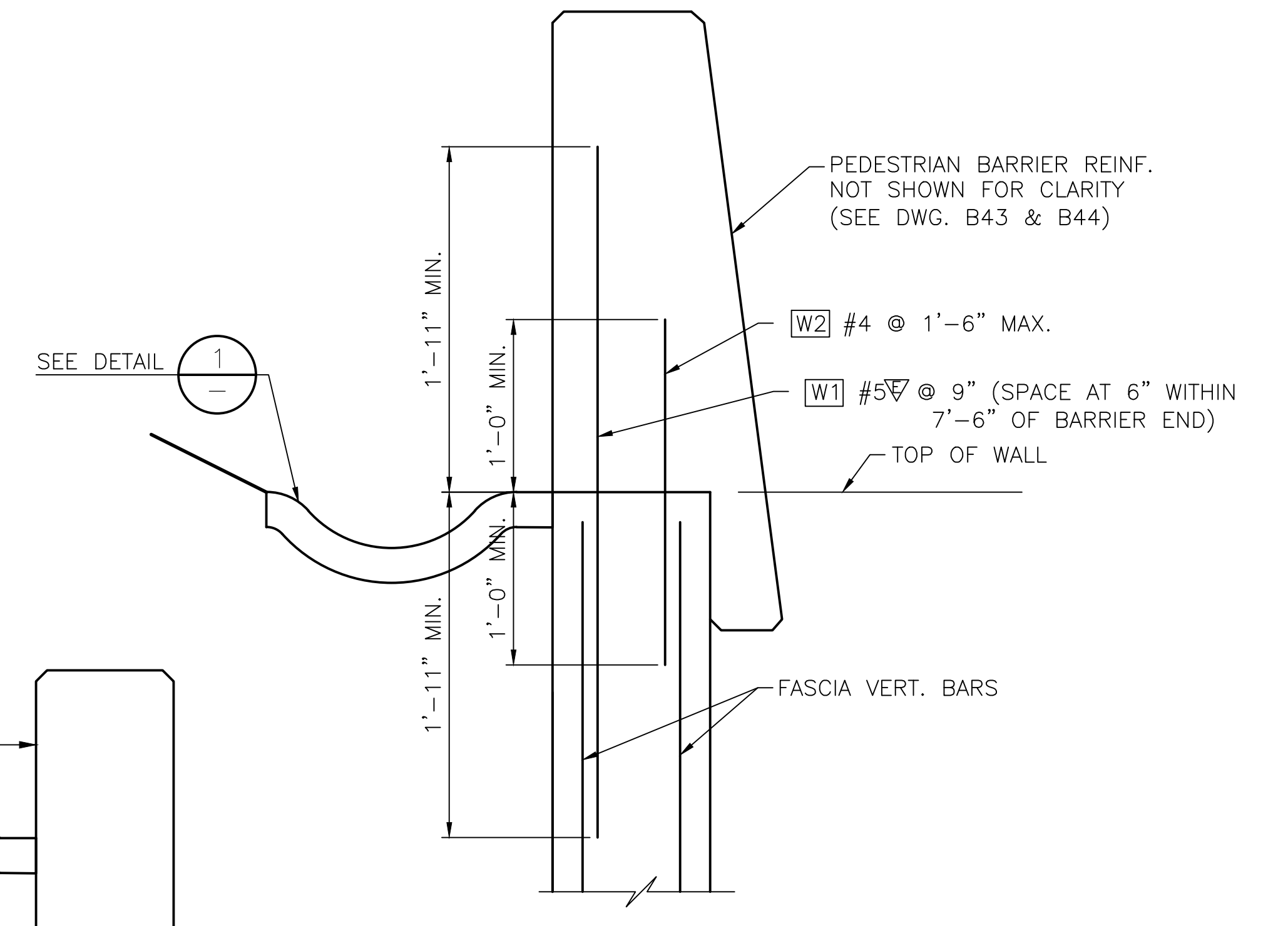


EXPANSION JOINT DETAIL

NOTE: EXPANSION JOINTS SHALL BE LOCATED AS SHOWN ON PLANS AND ELEVATION SHEETS.



DETAIL 1



BARRIER TO WALL CONNECTION DETAIL

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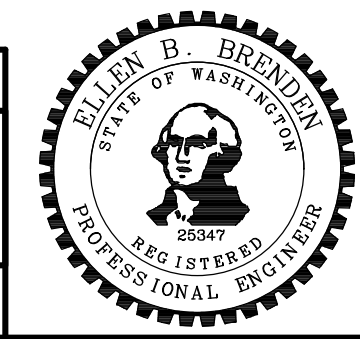
May 04, 2023 - 12:28pm adharper \\seaw01\jbs\6024\CADD\DIS001\Drawings\STRUCT\0100156_WD5.dwg Layout Name: 20100156_WD5

No.	Date	Revision	By	Appr.

HNTB
HNTB Corporation
777 108th Avenue NE
Suite 1000
Bellevue, WA 98004
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PERTEET
2707 COLBY AVENUE, SUITE 900
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LYNNWOOD WASHINGTON



Drawn By	Date	SCALE
ADH	4/3/23	
Designed By		Horiz N/A
GV	4/3/23	Vert
Checked By		Project Number
EBB	4/3/23	20100156
Approved By		

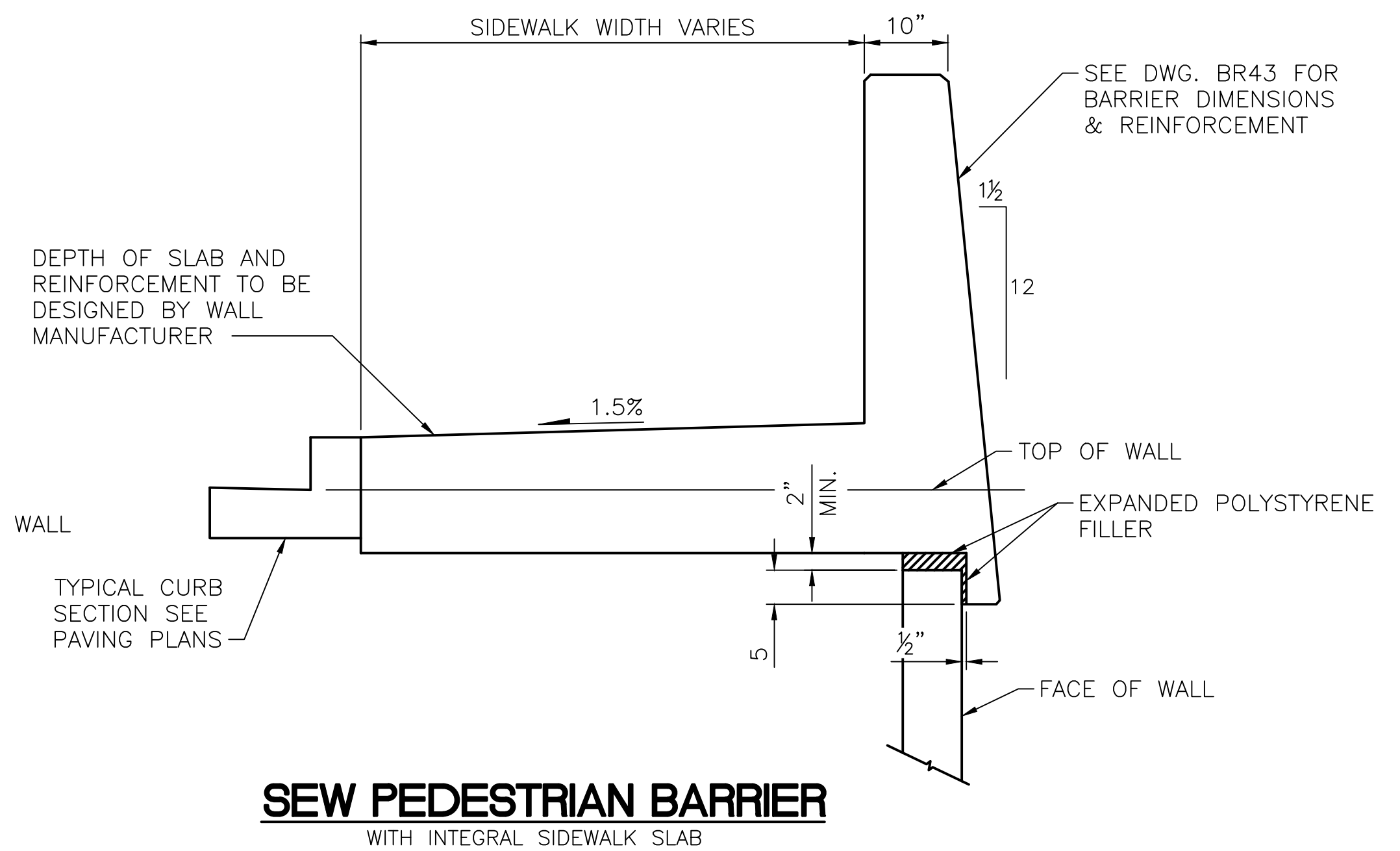
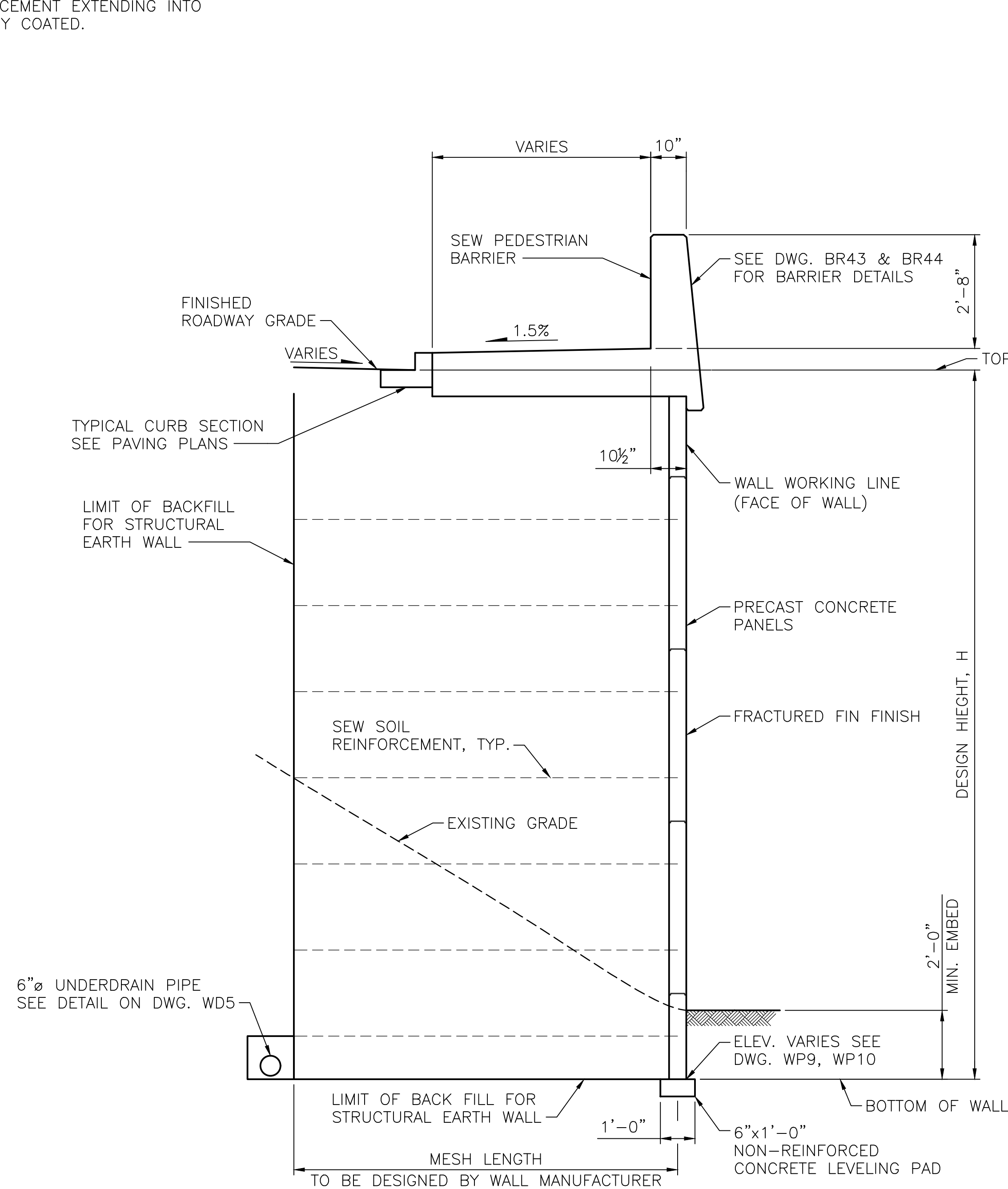
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
SOLDIER PILE WALL FASCIA DETAILS

Drawing No.	WD5
Sheet No.	7
of Total	7

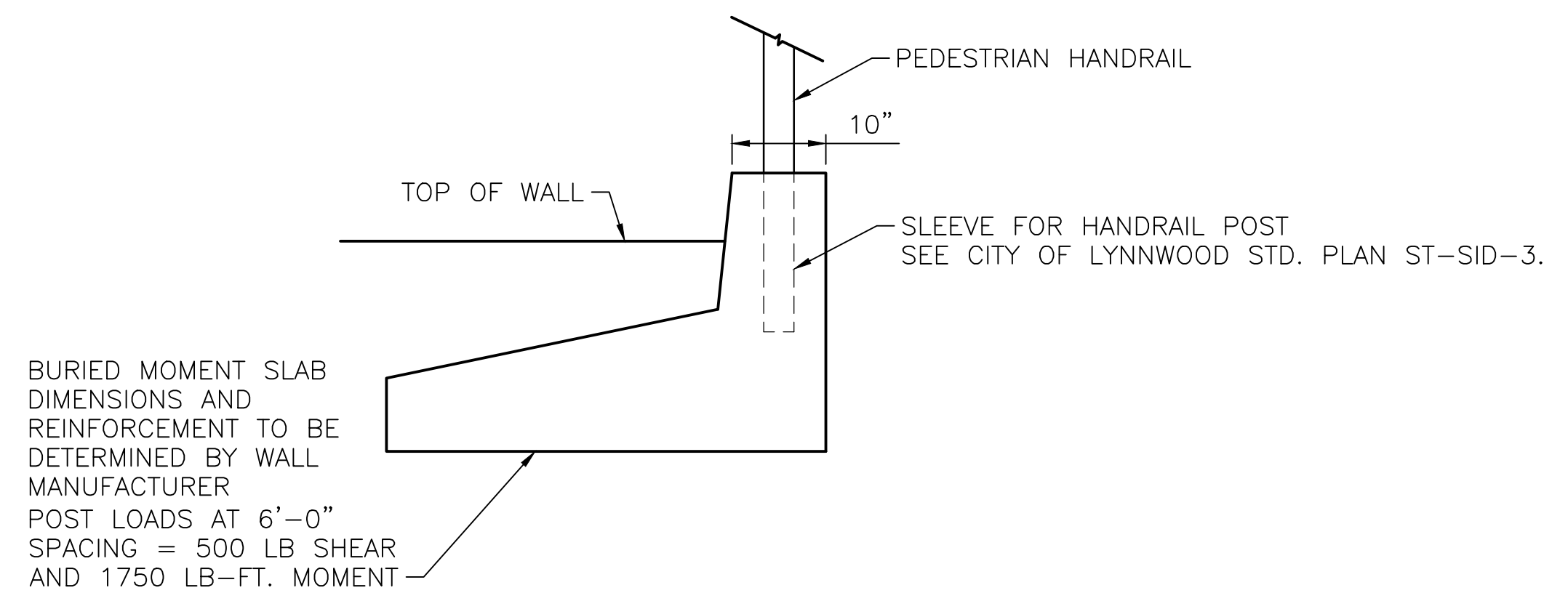
C/S 3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE

GENERAL NOTES:

1. SLAB DIMENSIONS AND REINFORCEMENT IN SECTIONS TO BE DESIGNED BY WALL MANUFACTURER.
2. SIDEWALK SLAB IS TO BE INTEGRAL WITH THE SEW PEDESTRIAN BARRIER AND THE REQUIRED MOMENT SLAB.
3. TOP LAYER OF SIDEWALK REINFORCEMENT IN BOTH DIRECTIONS AND ALL REINFORCEMENT EXTENDING INTO THE BARRIER SHALL BE EPOXY COATED.



SEW PEDESTRIAN BARRIER
WITH INTEGRAL SIDEWALK SLAB



SEW CURB WITH HANDRAIL

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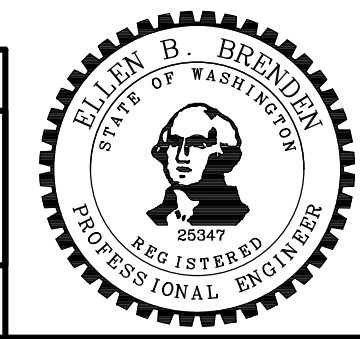
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No.	Date	Revision	By	Appr.

HNTB
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LYNNWOOD
WASHINGTON

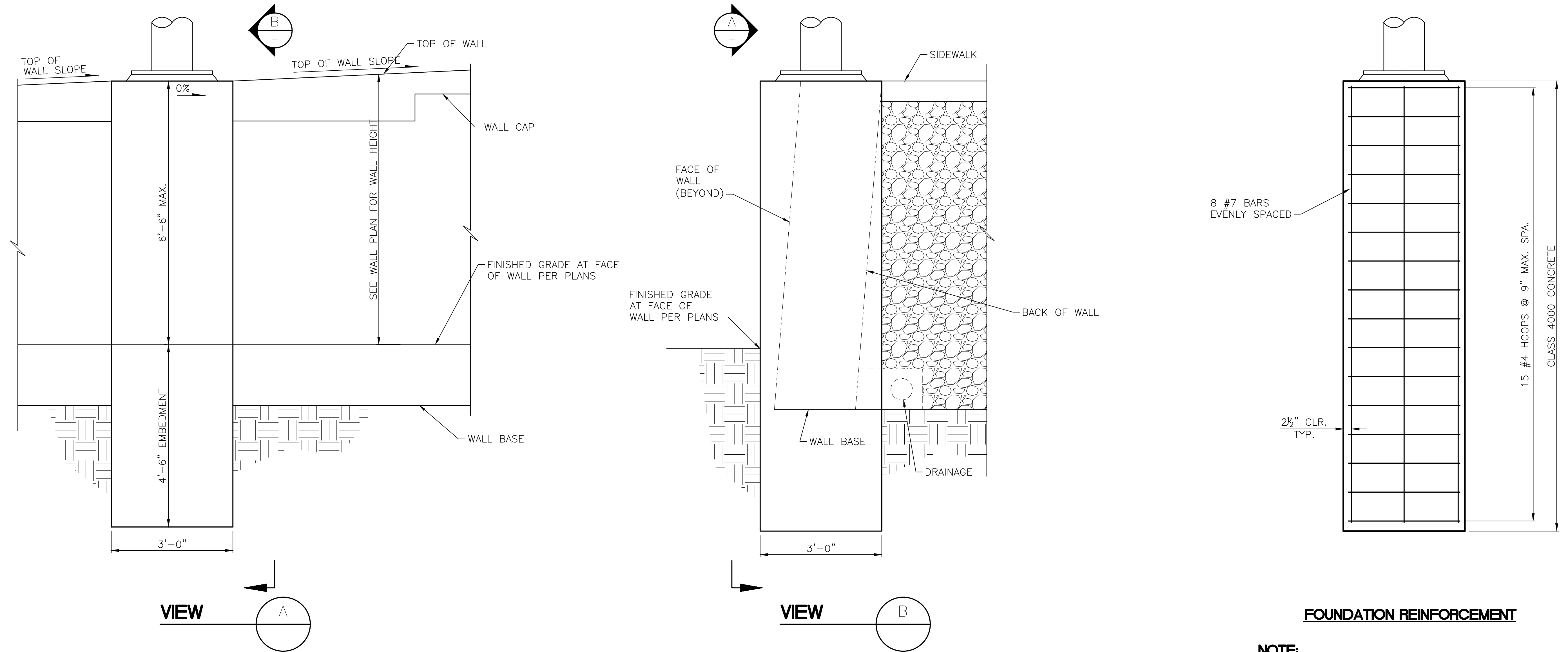


Drawn By ADH	Date 4/3/23	SCALE
Designed By GV	4/3/23	Horiz
Checked By EBB	4/3/23	Vert
Approved By		NOT TO SCALE
		Project Number 20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
SEW WALL DETAILS

Drawing No.
WD6
Sheet No.
7
of Total

C/S 3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



FOUNDATION REINFORCEMENT

NOTE:
 1. FOR LUMINAIRE BASE DETAILS NOT SHOWN, SEE CITY OF LYNNWOOD STANDARD PLAN 8-08.

WALL 13 - LIGHT POLE FOUNDATION

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May 04, 2023 - 12:28pm adharper \\seaw01\jbs6\024\CADD\DS001\Drawings\STRUCT\0100156_WD7.dwg Layout Name: 20100156_WD7

No.	Date	Revision	By	Appr.

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ADH	4/3/23	
Designed By		Horiz
SM	4/3/23	N/A
Checked By		Vert
EBB	4/3/23	N/A
Approved By		Project Number
		20100156

CITY OF LYNNWOOD
 POPLAR WAY EXTENSION BRIDGE
LIGHT POLE FOUNDATION DETAIL

Drawing No.	WD7
Sheet No.	7
of Total	7

C/S 3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE

CITY OF LYNNWOOD

PUBLIC WORKS DEPARTMENT

POPLAR WAY EXTENSION BRIDGE

CITY CONTRACT ID# 2266

FEDERAL AID PROJECT NO. IMD-STPUL-2004(037)

SHEET INDEX - VOLUME 2

SHEET NUMBER	TITLE	DRAWING NUMBER
201	COVER SHEET	CV2
202-203	BRIDGE LAYOUT	BR1-BR2
204	GENERAL NOTES	BR3
205	I-5 ROADWAY ELEVATIONS	BR4
206	CONSTRUCTION SEQUENCE	BR5
207	FOUNDATION LAYOUT	BR6
208-223	PIER PLANS, ELEVATIONS & DETAILS	BR7-BR22
224-225	WALL DEMOLITION/EXCAVATION & CONSTRUCTION SEQUENCE	BR23-BR24
226	GIRDER BEARING DETAILS	BR25
227-228	FRAMING PLAN	BR26-BR27
229	TYPICAL SECTION	BR28
230-234	GIRDER DETAILS, SCHEDULE & NOTES	BR29-BR33
235-236	DIAPHRAGM DETAILS	BR34-BR35
237-242	DECK REINFORCEMENT PLAN, SECTIONS & DETAILS	BR36-BR41
243	EXPANSION JOINT DETAILS	BR42
244-246	PEDESTRIAN BARRIER DETAILS	BR43-BR45
247-251	RAILING LAYOUT & DETAILS	BR46-BR50
252-254	BRIDGE APPROACH SLAB	BR51-BR53
255-260	BAR LIST	BR54-BR59
261-263	TRAIL OVERCROSSING PLAN	T01-T03
264-273	LANDSCAPE PLAN	LP1-LP10
274-283	IRRIGATION PLAN	IR1-IR10
284-290	CONSTRUCTION SEQUENCING PLAN	CS1-CS7
291-323	TRAFFIC CONTROL	TC1-TC28
324-330	DETOUR PLAN	DT1-DT7

CITY OFFICIALS:

MAYOR:

CHRISTINE FRIZZELL

COUNCIL MEMBERS:

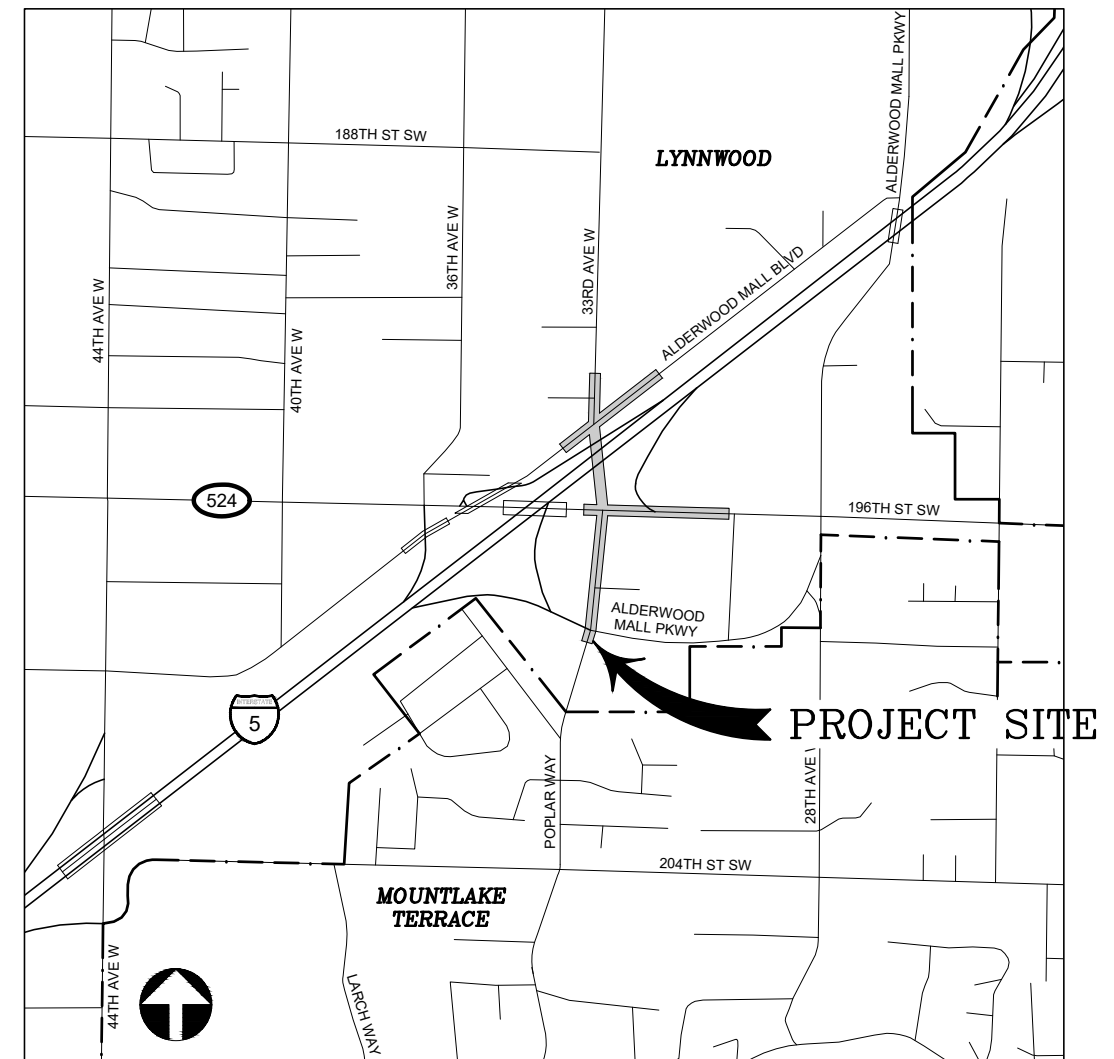
SHIRLEY SUTTON
 PATRICK DECKER
 JOSH BINDA
 JIM SMITH
 JULIETA ALTAMIRANO-CROSBY
 GEORGE HURST
 SHANNON SESSIONS

PUBLIC WORKS DIRECTOR:

WILLIAM A. FRANZ, P.E.

CITY ENGINEER:

DAVID MACH, P.E.



VICINITY MAP

NOT TO SCALE

VOLUME 2 OF 2



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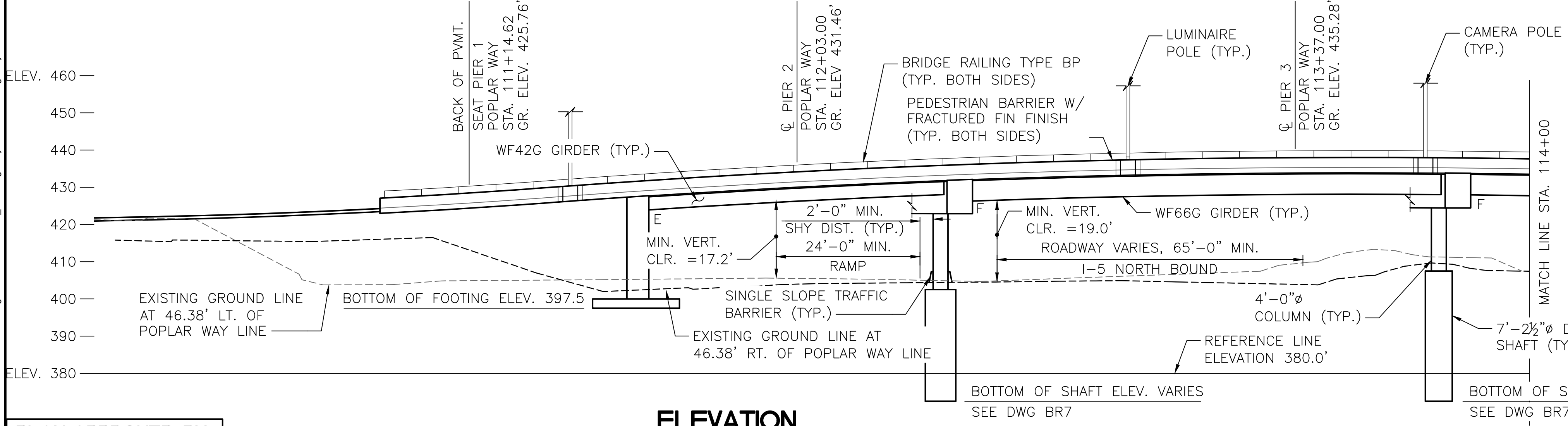
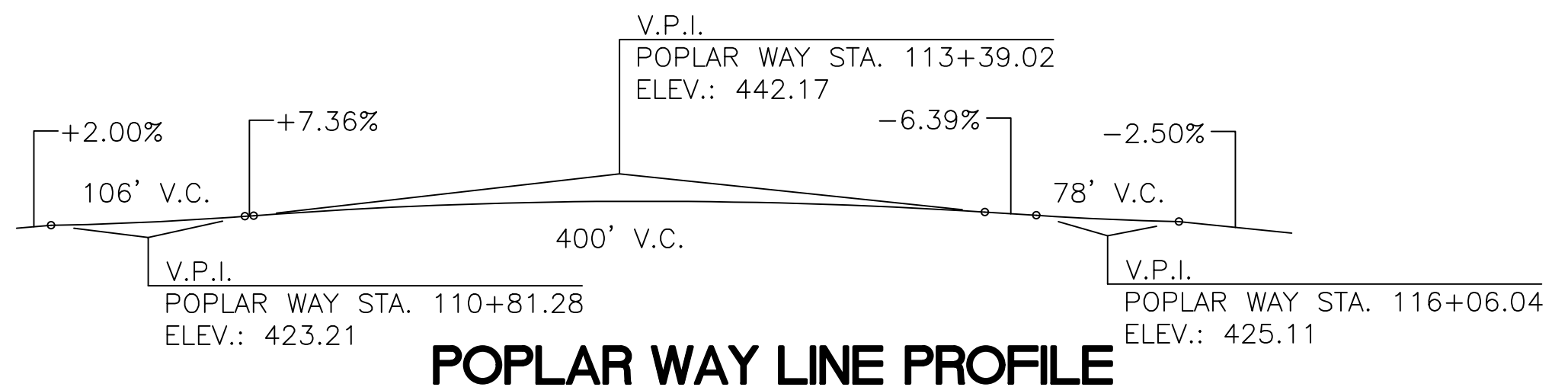
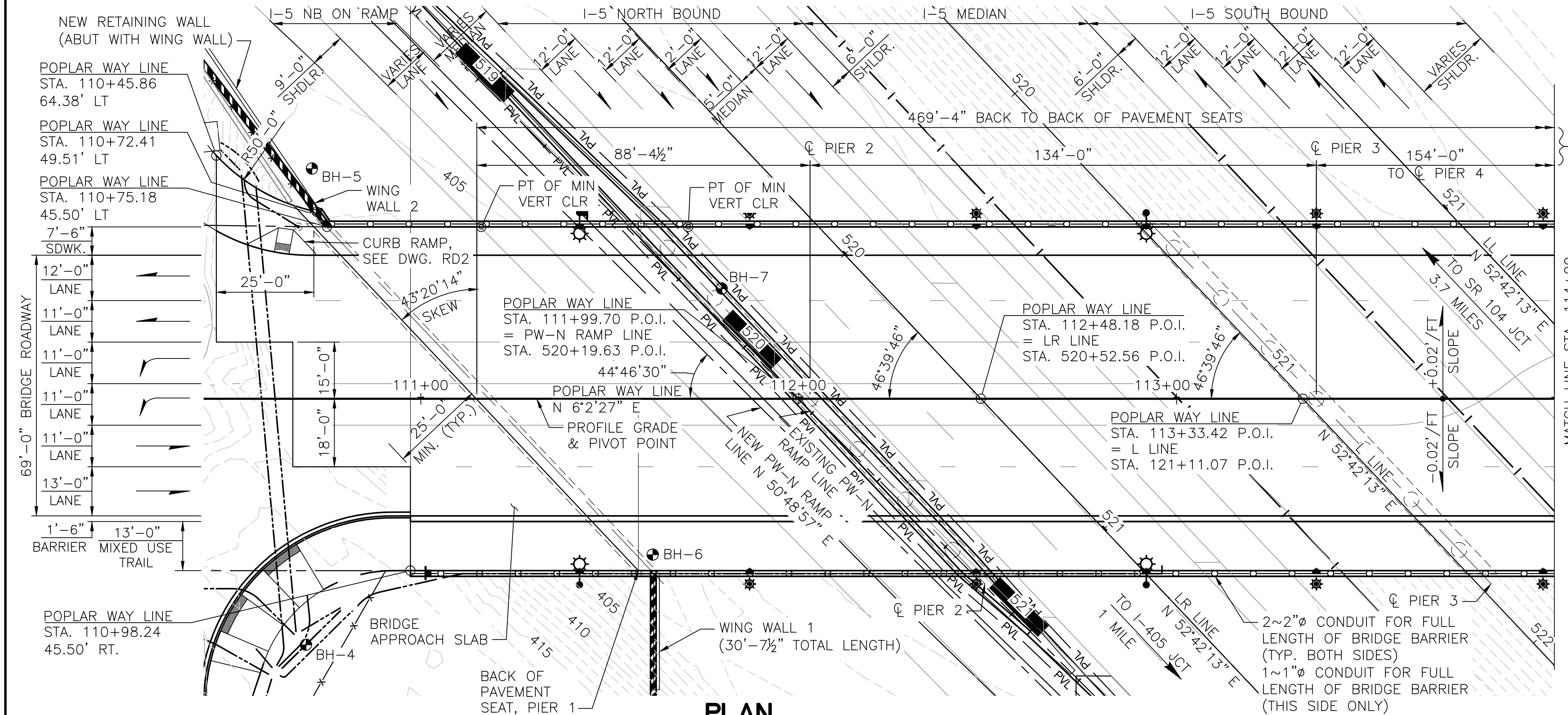
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Designed By E. BORGES	2/2023	Horiz N/A	Sheet No.
Checked By R. CRAVEN	2/2023	Vert N/A	Project Number 20100156.001
Approved By R. CRAVEN	2/2023		of Total

SEC. 15, T. 27 N., R. 4 E., W.M. I-5
CITY OF LYNNWOOD

FEDERAL AID NO. IMD-STPUL-2004(037)

LEGEND:

- EXISTING UTILITIES
 —W—W— WATER MAIN
 OP—OP—OP OVERHEAD POWER
 SD—SD—SD STORM DRAIN
 BP—BP—BP BURIED POWER
 —G—G— NATURAL GAS
- NEW UTILITIES : N.A.
- BORING LOCATION
- ⊛ BRIDGE MOUNTED PEDESTRIAN LIGHT POLE
- ⊙ STRUCTURE MOUNTED ROADWAY LIGHT POLE
- ⊠ JUNCTION BOX
- ⊔ BELOW DECK LUMINARIES
- BARRIER MOUNTED COLOR LIGHTING
- NOTE:
 EXISTING UTILITIES SHALL BE REMOVED AS NOTED IN CONTRACT PLANS



**PRESTRESSED CONCRETE GIRDERS
 WF66G AND WF42G GIRDERS
 LOADING: HL-93**

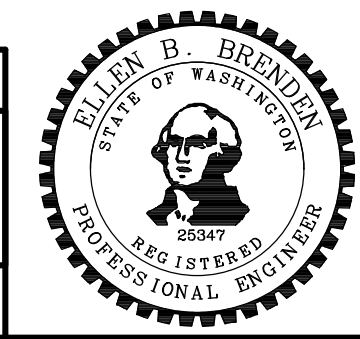
PLAN APPROVED BY:
 BRIDGE DESIGN ENGINEER
 ENGINEERING MANAGER

DATUM
 NAVD-88

GRADE ELEVATIONS SHOWN ARE FINISH GRADE AT TOP OF BRIDGE DECK ON POPLAR WAY LINE AND ARE EQUAL TO PROFILE GRADE.

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No.	Date	Revision	By	Appr.



Drawn By	Date	SCALE
ADH	4/3/23	Horiz N/A
Designed By	4/3/23	Vert N/A
Checked By	4/3/23	Project Number 20100156
Approved By		

CITY OF LYNNWOOD
 POPLAR WAY EXTENSION BRIDGE
BRIDGE LAYOUT 1 OF 2

Drawing No. **BR1**
 Sheet No. **1**
 of Total

May 04, 2023 - 12:19pm adharper \\seaw01\jbs6024\CADD\SS01\Drawings\STRUCTURE\10010156_BR1.dwg Layout Name: Bridge Layout 1

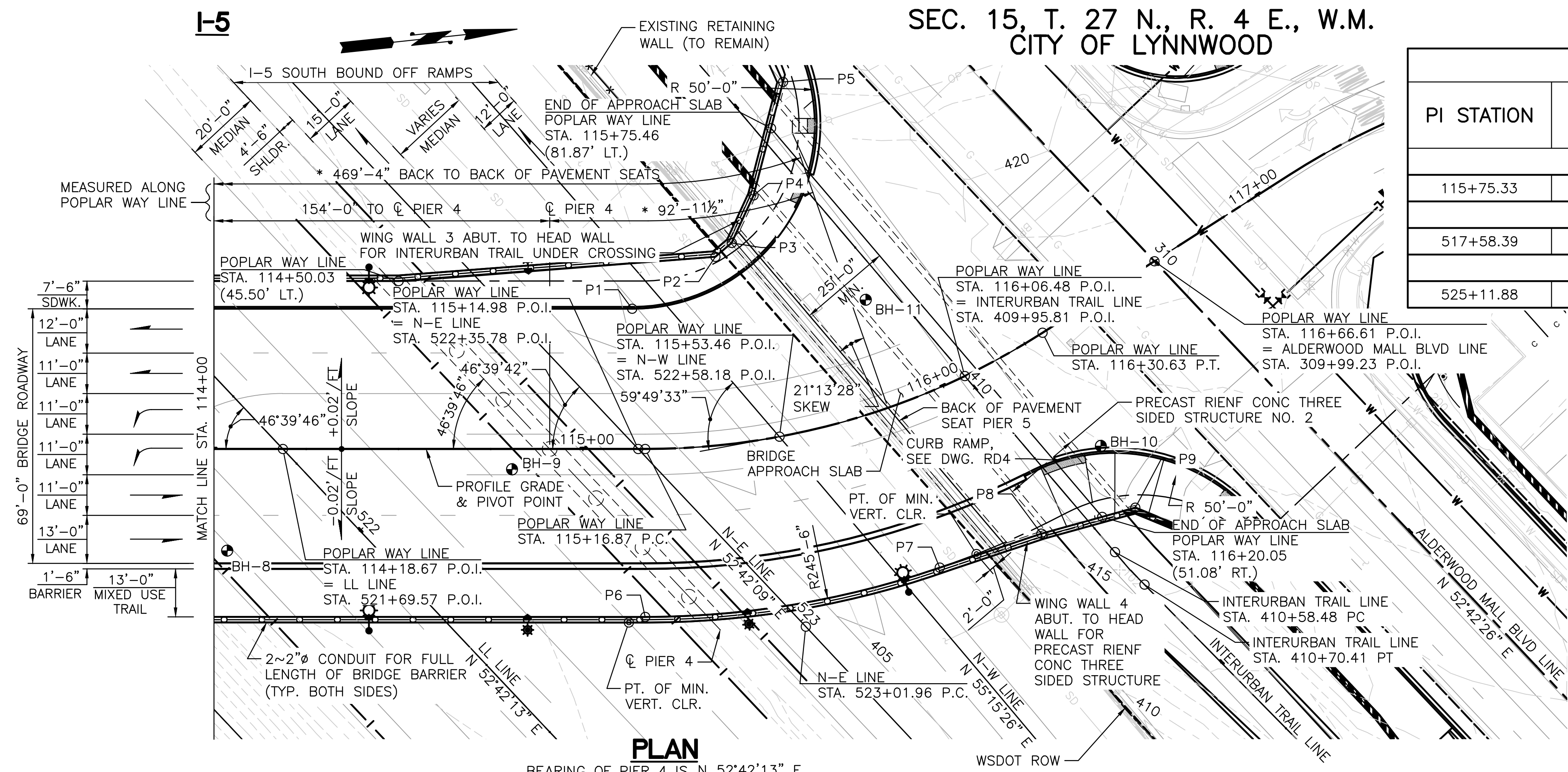
C/S 3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE

SEC. 15, T. 27 N., R. 4 E., W.M.
CITY OF LYNNWOOD

CURVE DATA					
PI STATION	Δ	RADIUS	TANGENT	LENGTH	BACK TANGENT BEARING
POPLAR WAY LINE					
115+75.33	32°35'23" LT.	200'-0"	58.46'	113.76'	N 6°2'27" E
N-W LINE					
517+58.39	3°48'51" LT.	10,500'-0"	349.62'	698.98'	N 52°42'9" E
N-E LINE					
525+11.88	2°17'26"	10500'-5½"	209.92'	419.78'	N 52°42'9" E

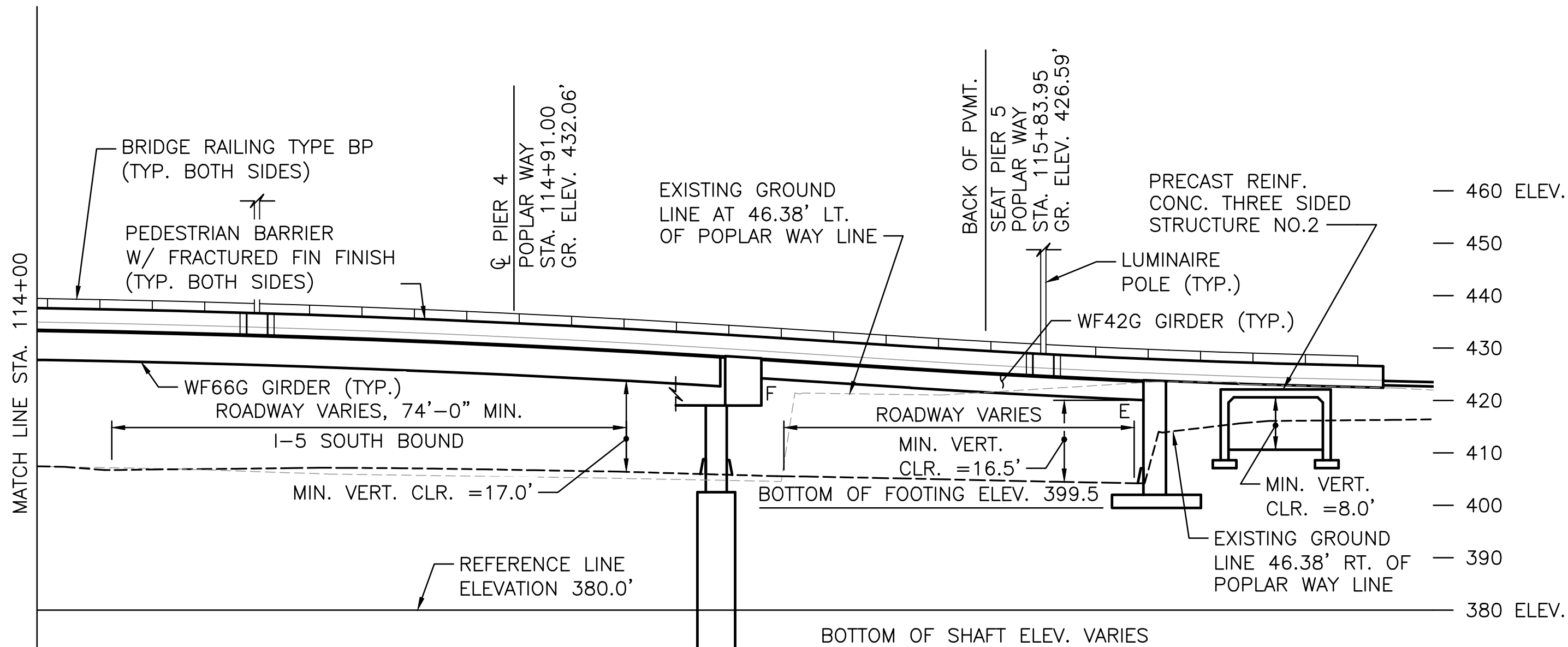
SIDEWALK GEOMETRY		
POINT CALLOUT	POINT OF ANGLE CHANGE OR CURVATURE AT BARRIER	
	STATION	OFFSET
P1	115+13.33	38.00' LT.
P2	115+42.56	50.85' LT.
P3	115+49.12	53.94' LT.
P4	115+60.90	65.46' LT.
P5	115+88.07	92.75' LT.
P6	115+16.87	45.50' RT.
P7	115+83.11	45.50' RT.
P8	116+06.64	47.48' RT.
P9	116+27.19	53.51' RT.

NOTE: ALL POINTS ARE AT INSIDE FACE OF BARRIER



PLAN

BEARING OF PIER 4 IS N 52°42'13" E
BEARING OF PIER 5 IS N 55°35'51" E
* SPAN LENGTHS MEASURED ALONG POPLAR WAY LINE



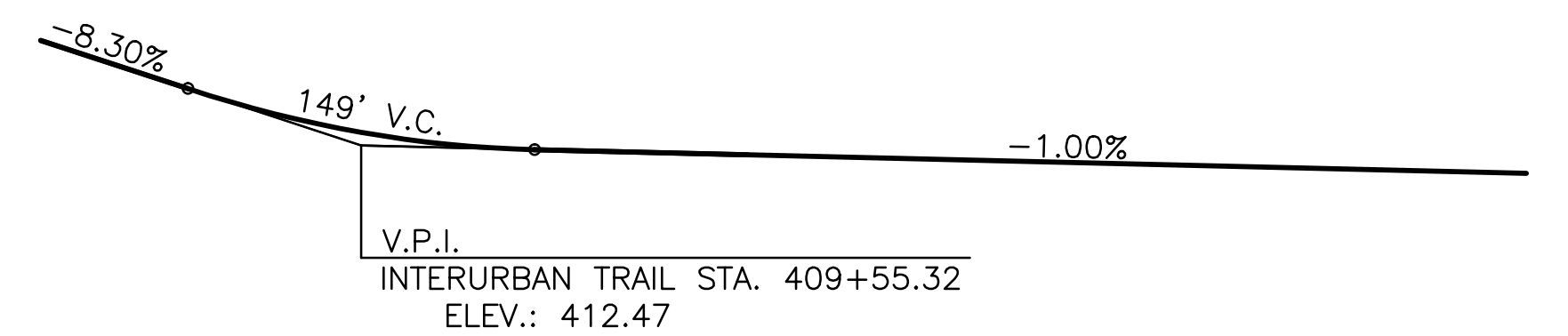
ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISH GRADE AT TOP OF BRIDGE DECK ON POPLAR WAY LINE AND ARE EQUAL TO PROFILE GRADE.

LEGEND:

- EXISTING UTILITIES
 - W—W— WATER MAIN
 - OP—OP—OP OVERHEAD POWER
 - SD—SD—SD STORM DRAIN
 - BP—BP—BP BURIED POWER
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- NEW UTILITIES : N.A.
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- * BRIDGE MOUNTED PEDESTRIAN LIGHT POLE
- ⊙ STRUCTURE MOUNTED ROADWAY LIGHT POLE
- ⊠ JUNCTION BOX
- BELOW DECK LUMINARIES
- BARRIER MOUNTED COLOR LIGHTING

NOTE: EXISTING UTILITIES SHALL BE REMOVED AS NOTED IN CONTRACT PLANS



INTERURBAN TRAIL PROFILE

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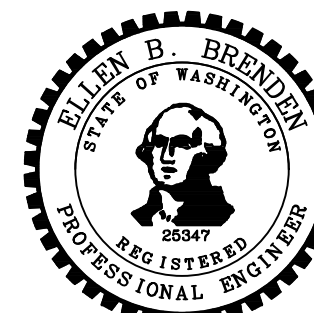
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No.	Date	Revision	By	Appr.

HNTB
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LYNNWOOD WASHINGTON



Drawn By ADH	Date 3/31/23	SCALE Horiz N/A Vert N/A Project Number 20100156
Designed By EBB	4/3/23	
Checked By TZ	4/3/23	
Approved By		

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
BRIDGE LAYOUT 2 OF 2

Drawing No. BR2
Sheet No.
of Total

GENERAL NOTES:

- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WSDOT "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION" 2022 EDITION EXCEPT AS AMENDED BY THESE PLANS OR OTHER CONTRACT DOCUMENTS.
- THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FOLLOWING.
 - WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, 2022 EDITION.
 - WSDOT STANDARD PLANS, 2022 EDITION.
 - WSDOT BRIDGE DESIGN MANUAL (M23-50) (BDM) WITH UPDATES AND APPLICABLE DESIGN MEMOS THROUGH JUNE 2022.
 - AASHTO GUIDE SPECIFICATIONS FOR LRFD SEISMIC BRIDGE DESIGN (AASHTO GUIDE SPECS), 2ND EDITION, WITH INTERIM REVISIONS THROUGH 2022.
 - AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS (AASHTO LRFD), CUSTOMARY U.S. UNITS, 9TH EDITION.
 - HWA GEOSCIENCES INC. GEOTECHNICAL REPORT, APRIL 12, 2023.

3. DESIGN LOADS

A. DEAD LOADS

STRUCTURAL STEEL	490 lb/ft ³
REINFORCED CONCRETE	155 lb/ft ³

B. LIVE LOADS

AASHTO HL-93 VEHICULAR LIVE LOADING

C. WIND LOAD

PER "AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS" WITH V=110mph

D. THERMAL LOADS

DESIGN TEMPERATURE	64°F
SEASONAL VARIATION	
CONCRETE	TEMPERATURE RISE 36°F
	TEMPERATURE FALL 64°F
STEEL	TEMPERATURE RISE 56°F
	TEMPERATURE FALL 64°F

E. SEISMIC LOADS

DESIGN RESPONSE SPECTRA PARAMETERS

SITE CLASS: C

	FEE	SEE
As	0.233	0.505
SDS	0.566	1.164
SD1	0.159	0.393

4. MATERIALS

A. CAST-IN-PLACE CONCRETE:

BRIDGE DECK SHALL BE CONCRETE CLASS 4000
 DRILLED SHAFTS SHALL BE CONCRETE CLASS 5000P
 ALL OTHER CAST-IN-PLACE CONCRETE SHALL BE CONCRETE CLASS 4000
 CROSSBEAM AND PIER DIAPHRAGMS SHALL BE CONCRETE CLASS 5000

B. REINFORCING STEEL IN THE BARRIERS, SIDEWALK, PRECAST-GIRDERS AND BRIDGE DECK SHALL CONFORM TO ASTM A706 GRADE 60 OR AASHTO M 31 GRADE 60. ALL OTHER REINFORCING IN THE BRIDGE SHALL BE ASTM A706 GRADE 60 UNLESS NOTED OTHERWISE. BARS IDENTIFIED WITH ∇ SHALL BE EPOXY COATED IN ACCORDANCE WITH AASHTO M284.

C. PERMANENT STEEL CASINGS FOR DRILLED SHAFTS SHALL CONFORM TO ASTM A36.

D. WELDING ELECTRODES SHALL CONFORM TO ANSI/AASHTO/AWS D1.5 OR AWS D1.1.

E. GROUT:

ALL GROUT & EPOXY GROUT, AS NOTED IN THE SPECIFICATIONS, SHALL BE PREPACKAGED, NON-SHRINK GROUT, MIXED, PLACED AND CURED AS RECOMMENDED BY THE MANUFACTURER.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION. TEMPORARY SUPPORTS AND FALSEWORK SHALL BE GRADUALLY RELEASED TO PREVENT IMPACT OR UNDUE STRESSES IN THE STRUCTURE.
- THE LOCATIONS OF ALL EXISTING UTILITIES WITHIN THE VICINITY OF THE STRUCTURE SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO EXCAVATING, DRILLING SHAFTS, REMOVING WALL OR OTHER STRUCTURES, OR ANY CONSTRUCTION ACTIVITY THAT DISTURBS EXISTING GROUND.
- THE BACK FILL BEHIND THE PIER 1 AND 5 ABUTMENTS SHALL BE PLACED PRIOR TO PLACEMENT OF THE SUPERSTRUCTURE.
- CONDUITS, JUNCTION BOXES AND UTILITIES ARE SHOWN FOR REFERENCE ONLY. THE CONTRACTOR SHALL COORDINATE THESE PLANS WITH ELECTRICAL, ITS AND OTHER CIVIL PLANS.
- UNLESS OTHERWISE NOTED IN THE PLANS, ALL DIMENSIONS ARE HORIZONTAL AND VERTICAL BASED ON A TEMPERATURE OF 64° F (MEAN TEMPERATURE DURING CONSTRUCTION). DIMENSIONS SHALL NOT BE DETERMINED BY SCALING FROM DRAWINGS.
- UNLESS OTHERWISE SHOWN ON THE PLANS, THE CONCRETE COVER MEASURED FROM THE FACE OF THE CONCRETE TO THE FACE ANY REINFORCEMENT BAR SHALL BE 2½" AT THE TOP OF THE DECK, 1" AT THE BOTTOM OF THE DECK, 2" AT THE COLUMNS AND SURFACES EXPOSED TO SOIL, 3" WHEN CAST AGAINST SOIL, AND 1½" AT ALL OTHER LOCATIONS. ALL HOOKS SHALL BE STANDARD HOOKS UNLESS OTHERWISE NOTED ON THE PLANS.
- UNLESS OTHERWISE SHOWN ON THE PLANS, ALL EXTERIOR CORNERS AND EDGES SHALL HAVE A ¼" CHAMFER.
- UNLESS NOTED OTHERWISE, MINIMUM LAP SPLICE LENGTHS SHALL BE AS FOLLOWS:

	TOP BARS*	OTHERS		TOP BARS*	OTHERS
#4	BAR = 2'-0"	2'-0"	#4 ∇	BAR = 2'-3"	2'-0"
#5	BAR = 2'-4"	2'-0"	#5 ∇	BAR = 2'-10"	2'-6"
#6	BAR = 2'-9"	2'-0"	#6 ∇	BAR = 3'-4"	3'-0"
#7	BAR = 3'-6"	2'-6"	#7 ∇	BAR = 4'-3"	3'-9"
#8	BAR = 4'-7"	3'-3"	#8 ∇	BAR = 5'-7"	4'-11"
#9	BAR = 5'-9"	4'-2"	#9 ∇	BAR = 7'-0"	6'-2"
#10	BAR = 7'-4"	5'-3"	#10 ∇	BAR = 8'-11"	7'-10"
#11	BAR = 9'-0"	6'-5"	#11 ∇	BAR = 10'-11"	9'-8"

∇ DENOTES EPOXY COATED BARS

ALL LAP SPLICES SHALL BE STAGGERED. *TOP BARS ARE BARS WHICH ARE PLACED SUCH THAT MORE THAN 12" OF FRESH CONCRETE IS PLACED BELOW THE BARS.

- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING FIELD CONDITIONS PRIOR TO SHOP FABRICATION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER. ALL SHOP DRAWINGS SHALL BE SUBMITTED PRIOR TO FABRICATION, IN ACCORDANCE WITH SPECIFICATIONS.
- THE NOMINAL SHAFT CAPACITY WITHOUT GROUP EFFECT SHALL BE TAKEN AS:

NOMINAL SHAFT CAPACITY (KIPS) PER SHAFT

PIER NO.	SERVICE 1 LIMIT STATE	STRENGTH 1 LIMIT STATE		EXTREME EVENT 1 LIMIT STATE	
	TOTAL RESISTANCE AT SETTLEMENT OF 1"	SKIN FRICTION	END BEARING	SKIN FRICTION	END BEARING
2	3300	1480	1100	2700	2200
3	3600	1650	1100	3000	2200
4	3700	1700	1100	3100	2200

NOTE: THE AXIAL CAPACITY MULTIPLIER TO ACCOUNT FOR GROUP EFFECTS OF 0.66 IS NOT INCLUDED IN THESE VALUES.

- THE BEARING CAPACITY OF SPREAD FOOTINGS SHALL BE TAKEN AS:

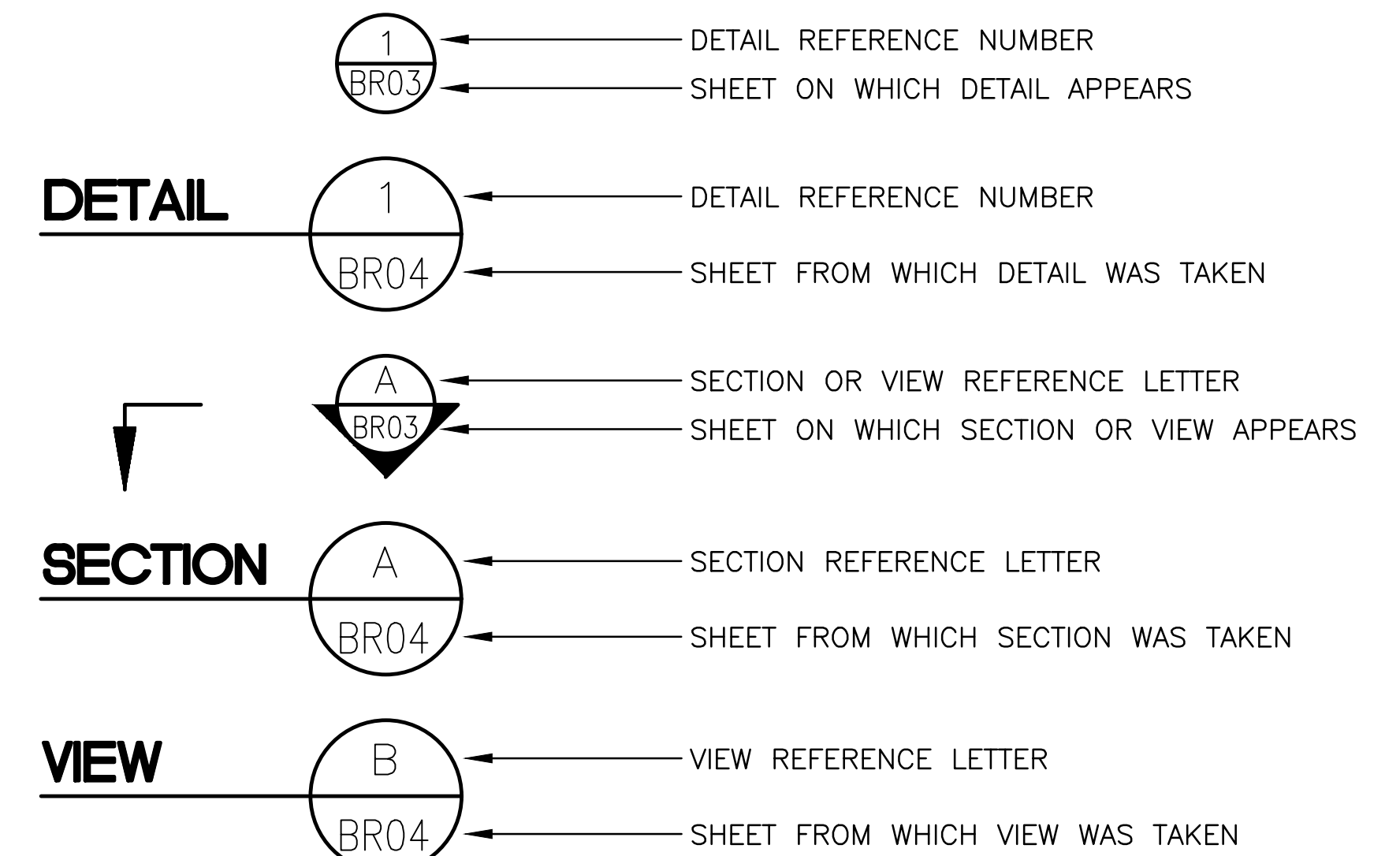
BEARING CAPACITY (PSF)

ABUTMENT NO.	SERVICE 1 LIMIT STATE (1" SETTLEMENT)	STRENGTH 1 LIMIT STATE	EXTREME EVENT 1 LIMIT STATE
1	10,800	7,680	19,200
5	13,000	8,320	20,800

ABBREVIATIONS:

ABT	ABUTMENT	MAX	MAXIMUM
ALT	ALTERNATE	MIN	MINIMUM
@	AT	MIR	MIRROR
BK	BACK	NF	NEAR FACE
BRG	BEARING	NTS	NOT TO SCALE
BOT	BOTTOM	OC	ON CENTER
BTVN	BETWEEN	PC	POINT OF CURVATURE
CG	CENTER OF GRAVITY	POI	POINT OF INTERSECTION
CL	CENTER LINE	PVMT	PAVEMENT
CLR	CLEAR	PS	PRESTRESSED
CONC	CONCRETE	PSF	POUNDS PER SQUARE FOOT
CONC	CONCRETE	PT	POINT OF TANGENCY
CONST	CONSTRUCTION	REINF	REINFORCEMENT, REINFORCED
CONT	CONTINUOUS	RT	RIGHT
CSL	CROSSHOLE SONIC LOG	ROW	RIGHT OF WAY
		RDWY	ROADWAY
DIAPH	DIAPHRAGM	SHLDR	SHOULDER
DWG	DRAWING	SDWK	SIDEWALK
EA	EACH	SPA	SPACING
EF	EACH FACE	SPEC	SPECIFICATION
ELEV	ELEVATION	STD	STANDARD
∇	EPOXY COATED REBAR	STA	STATION
EQ	EQUAL	STIRR	STIRRUP
ES	EACH SIDE	TEMP	TEMPORARY
		TOC	TOP OF COLUMN
FF	FAR FACE	TRANSV	TRANSVERSE
FT	FOOT/FEET	TYP	TYPICAL
GR	GRADE	VERT	VERTICAL
HS	HIGH STRENGTH	VC	VERTICAL CURVE
HORIZ	HORIZONTAL	VPI	VERTICAL POINT OF INTERSECTION
JT	JOINT	W/	WITH
KIPS	1,000 POUNDS	WP	WORK POINT
LN	LANE		
LT	LEFT		
LB	POUND		
LONGIT	LONGITUDINAL		

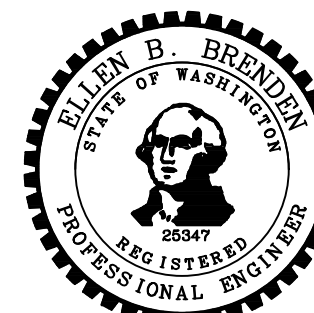
LEGEND



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May 08, 2023 - 4:38pm a:hanper Use:aw001jobe60024CADDDIS001DrawingsSTRUC20100156_BR3.dwg Layout Name: General Notes

No.	Date	Revision	By	Appr.



Drawn By	ADH	Date	4/3/23	SCALE	
Designed By	EBB		4/3/23	Horiz	N/A
Checked By	TZ		4/3/23	Vert	N/A
Approved By				Project Number	20100156

CITY OF LYNNWOOD		Drawing No.	BR3
POPLAR WAY EXTENSION BRIDGE		Sheet No.	
GENERAL NOTES			

CITY OF LYNNWOOD ~ PROJ. NO. TA2797 ~ NORTHWEST REGION ~ MP 181+62 ~ 1-5 ~ POPLAR WAY EXTENSION BRIDGE ~ C.S. 3120 ~ of Total

SEC. 15, T. 27 N., R. 4 E., W.M.
CITY OF LYNNWOOD

FEDERAL AID NO. IMD-STPUL-2004(037)

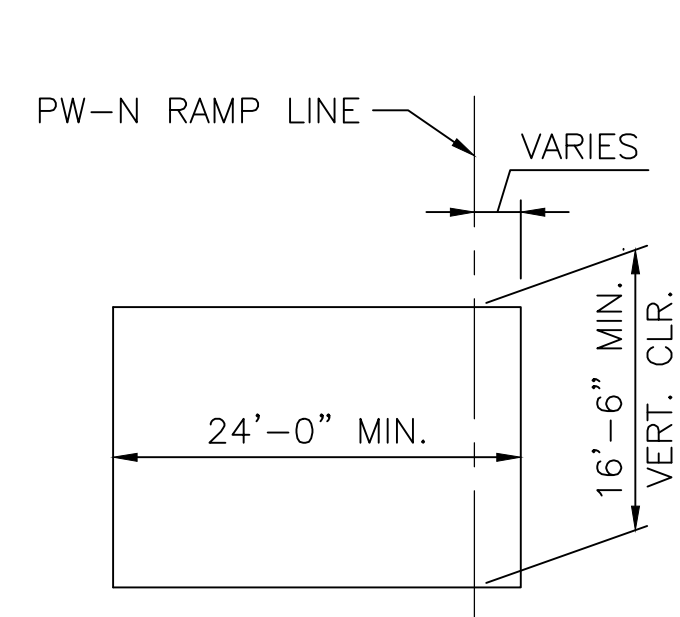
Existing Elevations at PW-N Ramp (NB I-5 Ramp from Poplar Way)						
PW-N Ramp Station	LT Offset	LT Elevation	Mid. Offset	Mid. Elevation	RT Offset	RT Elevation
519+20.00	5.5	405.32	18.2	405.13	27.3	404.89
519+28.04	5.5	405.27	18.2	405.08	27.3	404.86
519+30.00	5.5	405.26	18.2	405.07	27.3	404.85
519+37.08	5.6	405.22	18.3	405.03	27.3	404.82
519+40.00	5.6	405.20	18.3	405.02	27.4	404.80
519+49.67	5.6	405.14	18.3	404.96	27.4	404.76
519+50.00	5.7	405.14	18.3	404.96	27.4	404.76
519+60.00	5.7	405.08	18.3	404.90	27.4	404.68
519+70.00	5.8	405.03	18.4	404.84	27.4	404.59
519+80.00	5.8	404.97	18.4	404.77	27.4	404.50
519+90.00	5.9	404.91	18.3	404.70	27.3	404.41
519+92.36	5.9	404.90	18.3	404.68	27.3	404.39
520+00.00	5.9	404.84	18.3	404.63	27.3	404.35
520+01.35	5.9	404.83	18.3	404.62	27.3	404.34
520+10.00	5.9	404.78	18.3	404.56	27.2	404.30
520+13.63	6.0	404.76	18.3	404.53	27.2	404.28
520+20.00	6.0	404.72	18.3	404.49	27.1	404.25
520+30.00	6.1	404.65	18.3	404.43	27.1	404.20
520+40.00	6.2	404.59	18.2	404.36	27.1	404.15
520+50.00	6.2	404.52	18.2	404.30	27.1	404.11
520+56.83	6.3	404.48	18.2	404.27	27.1	404.09
520+60.00	6.3	404.47	18.2	404.25	27.2	404.08
520+65.77	6.0	404.44	18.2	404.22	27.2	404.05
520+70.00	6.3	404.42	18.2	404.20	27.2	404.02
520+77.59	6.4	404.38	18.2	404.16	27.3	403.97
520+80.00	6.4	404.37	18.2	404.15	27.3	403.95
520+90.00	5.9	404.32	18.2	404.10	27.3	403.89
521+00.00	5.5	404.26	18.3	404.04	27.3	403.82

Existing Elevations at LR Line (NB I-5 Mainline)					
I-5 LR Station	CL Elevation	LT Offset	LT Elevation	RT Offset	RT Elevation
519+60.00	405.88	34.2	405.04	25.1	405.36
519+66.33	405.83	34.2	405.01	25.0	405.32
519+70.00	405.80	34.2	404.99	25.1	405.30
519+80.00	405.74	34.2	404.93	25.1	405.23
519+90.00	405.68	34.1	404.87	25.2	405.17
520+00.00	405.62	34.1	404.80	25.2	405.10
520+10.00	405.56	34.1	404.74	25.2	405.04
520+20.00	405.50	34.2	404.65	25.2	404.98
520+22.26	405.49	34.2	404.63	25.2	404.96
520+30.00	405.45	34.2	404.56	25.2	404.91
520+40.00	405.40	34.3	404.48	25.2	404.85
520+50.00	405.35	34.4	404.40	25.2	404.78
520+60.00	405.24	34.3	404.36	25.2	404.72
520+70.00	405.18	34.2	404.31	25.2	404.66
520+80.00	405.12	34.2	404.26	25.2	404.61
520+90.00	405.05	34.2	404.18	25.2	404.55
520+91.30	405.04	34.2	404.17	25.2	404.54
521+00.00	404.98	35.6	404.03	25.2	404.47
521+10.00	404.92	37.2	403.89	25.2	404.40
521+15.12	404.88	37.4	403.86	25.2	404.36
521+20.00	404.85	37.5	403.83	25.2	404.33
521+30.00	404.78	37.8	403.76	25.2	404.26
521+40.00	404.71	37.9	403.70	25.2	404.19
521+50.00	404.65	37.8	403.64	25.2	404.11
521+50.81	404.64	37.8	403.64	25.2	404.11
521+60.00	404.58	37.8	403.59	25.2	404.04

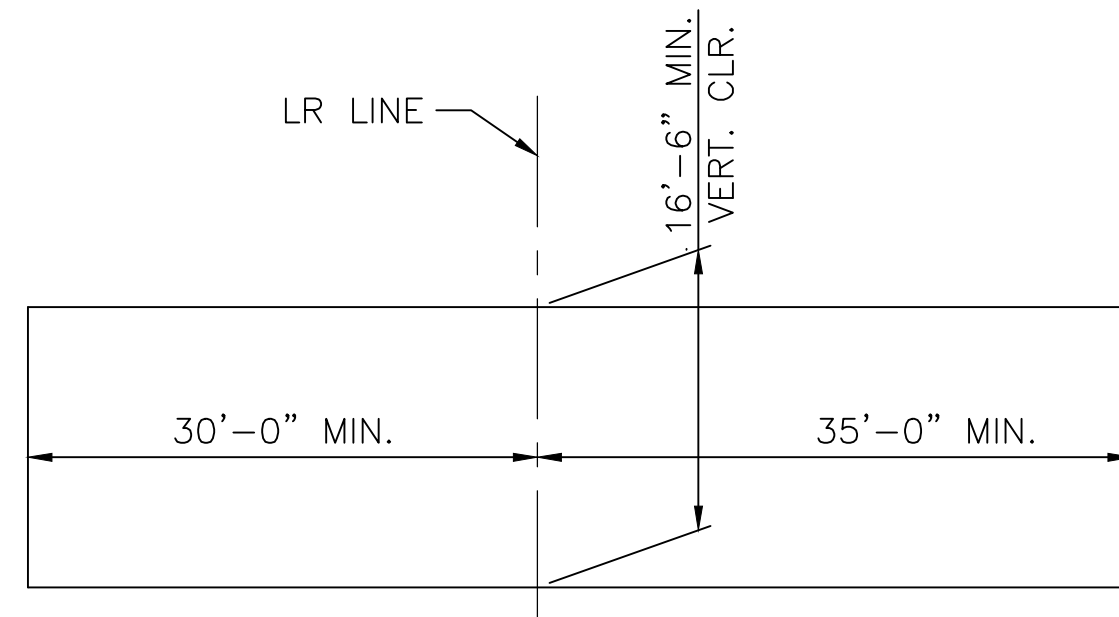
Existing Elevations at LL Line (SB I-5 Mainline)					
I-5 LL Station	CL Elevation	LT Offset	LT Elevation	RT Offset	RT Elevation
520+70.00	408.23	44.9	407.01	35.1	407.62
520+73.91	408.21	44.9	407.00	35.1	407.60
520+80.00	408.18	45.0	406.97	35.1	407.57
520+90.00	408.13	45.1	406.93	35.1	407.51
521+00.00	408.07	45.3	406.89	35.1	407.46
521+07.00	408.04	45.4	406.87	35.1	407.42
521+10.00	408.02	45.5	406.86	35.0	407.41
521+20.00	407.97	45.7	406.82	35.1	407.36
521+30.00	407.92	45.9	406.79	35.1	407.31
521+40.00	407.86	45.9	406.76	35.1	407.26
521+50.00	407.81	46.0	406.75	35.2	407.21
521+50.44	407.81	46.0	406.75	35.2	407.21
521+60.00	407.76	46.1	406.74	35.1	407.15
521+70.00	407.71	46.1	406.73	35.1	407.09
521+80.00	407.65	46.2	406.68	35.0	407.02
521+90.00	407.60	46.2	406.64	34.9	406.96
521+99.13	407.54	46.2	406.60	34.9	406.90
522+00.00	407.54	46.2	406.60	34.9	406.90
522+10.00	407.48	46.2	406.55	34.9	406.84
522+20.00	407.42	46.2	406.49	34.9	406.78
522+30.00	407.37	46.2	406.44	34.9	406.73
522+32.13	407.35	46.2	406.43	35.0	406.72
522+40.00	407.31	46.2	406.38	35.0	406.67
522+50.00	407.25	46.2	406.34	35.0	406.62
522+60.00	407.20	46.2	406.30	35.1	406.57
522+70.00	407.14	46.1'	406.26	35.3'	406.43
522+75.49	407.12	46.1'	406.24	35.6'	406.34
522+80.00	407.09	46.1'	406.23	35.3'	406.32

Existing Elevations at N-E Line (East SB I-5 Off Ramp)					
N-E Line Station	CL Elevation	LT Offset	LT Elevation	RT Offset	RT Elevation
521+50.00	405.81	8.0	405.67	11.2	405.97
521+60.00	405.78	8.0	405.64	11.2	405.92
521+62.63	405.78	8.0	405.63	11.2	405.91
521+70.00	405.75	8.0	405.61	11.2	405.88
521+73.21	405.74	8.0	405.60	11.2	405.86
521+80.00	405.72	8.0	405.57	11.2	405.83
521+80.80	405.72	8.0	405.56	11.2	405.82
521+90.00	405.68	8.0	405.52	11.3	405.78
522+00.00	405.64	8.0	405.48	11.3	405.73
522+10.00	405.61	8.0	405.44	11.3	405.68
522+20.00	405.57	8.0	405.40	11.3	405.64
522+25.18	405.55	8.0	405.38	11.2	405.62
522+30.00	405.54	8.0	405.37	11.2	405.60
522+40.00	405.50	8.0	405.33	11.2	405.55
522+43.11	405.49	8.0	405.32	11.1	405.55
522+50.00	405.47	8.0	405.29	11.2	405.55
522+60.00	405.43	8.0	405.25	11.2	405.55
522+70.00	405.40	8.0	405.22	11.2	405.55
522+80.00	405.37	8.0	405.19	11.2	405.54
522+86.11	405.35	8.0	405.17	11.2	405.53
522+90.00	405.34	8.0	405.16	11.2	405.52
522+94.23	405.33	8.0	405.15	11.2	405.51
522+99.52	405.31	8.0	405.13	11.2	405.50
523+00.00	405.31	8.0	405.13	11.2	405.49
523+10.00	405.28	8.0	405.10	11.2	405.47

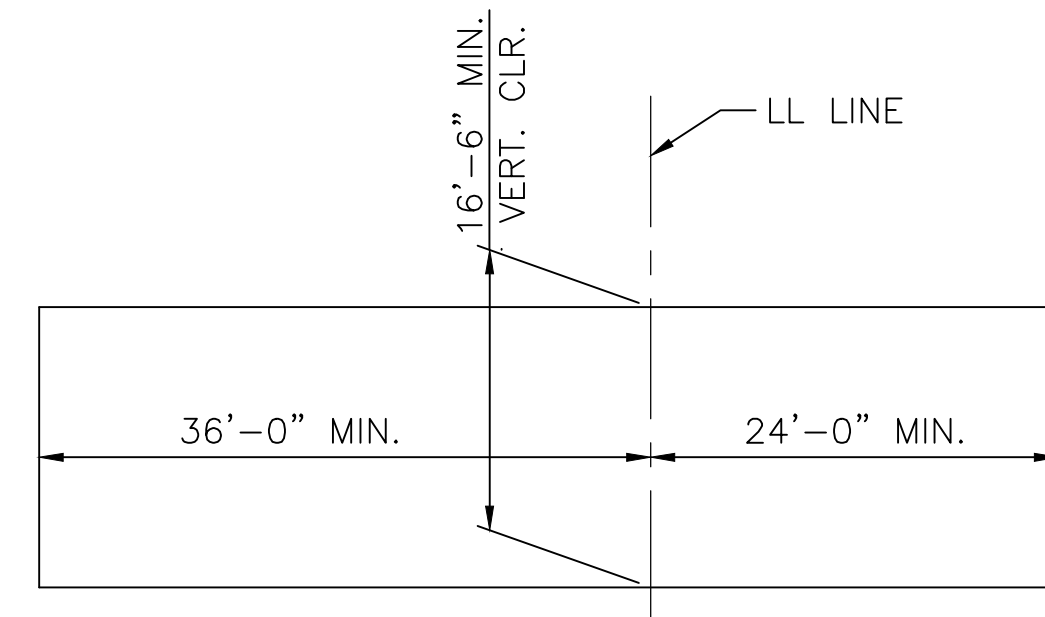
Existing Elevations at N-W Line (West SB I-5 Off Ramp)					
N-W Line Station	CL Elevation	LT Offset	LT Elevation	RT Offset	RT Elevation
521+90.00	405.13	22.8	404.69	6.4	405.27
521+96.94	405.07	22.8	404.65	6.4	405.20
522+00.00	405.06	22.8	404.63	6.4	405.21
522+02.32	405.04	22.8	404.62	6.4	405.20
522+10.00	405.01	22.8	404.57	6.5	405.16
522+10.47	405.01	22.8	404.57	6.5	405.16
522+20.00	404.96	22.8	404.51	6.6	405.12
522+30.00	404.92	22.7	404.48	6.6	405.07
522+40.00	404.88	22.6	404.47	6.6	405.03
522+50.00	404.84	22.5	404.46	6.7	404.98
522+54.12	404.83	22.5	404.45	6.7	404.97
522+60.00	404.81	22.5	404.44	6.7	404.95
522+69.35	404.78	22.4	404.41	6.7	404.92
522+70.00	404.74	22.4	404.40	6.7	404.92
522+80.00	404.74	22.4	404.36	6.8	404.89
522+90.00	404.71	22.3	404.32	6.8	404.86
523+00.00	404.67	22.3	404.26	6.8	404.83
523+06.04	404.65	22.3	404.23	6.8	404.80
523+09.18	404.64	22.3	404.21	6.8	404.79
523+10.00	404.64	22.3	404.20	6.8	404.79
523+17.80	404.63	22.4	404.19	6.8	404.78
523+20.00	404.62	22.4	404.19	6.8	404.78



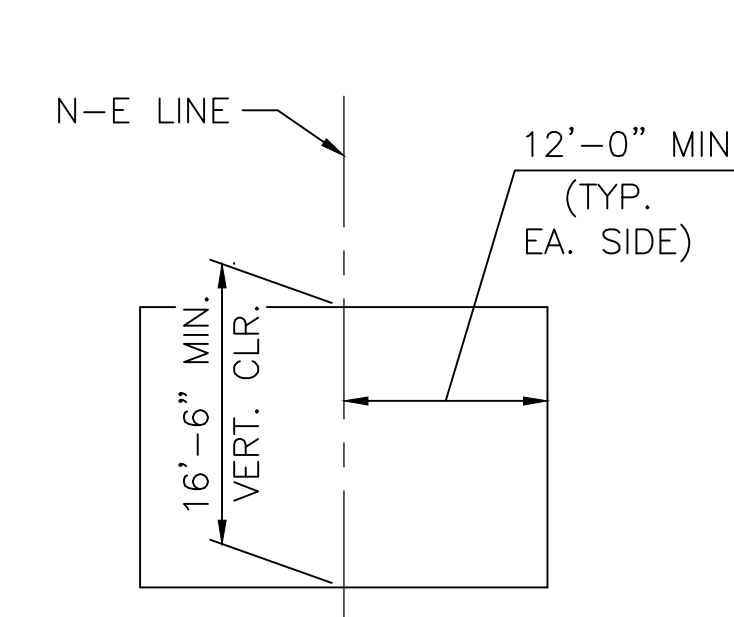
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OPENING DIAGRAM
(PW-N RAMP)**



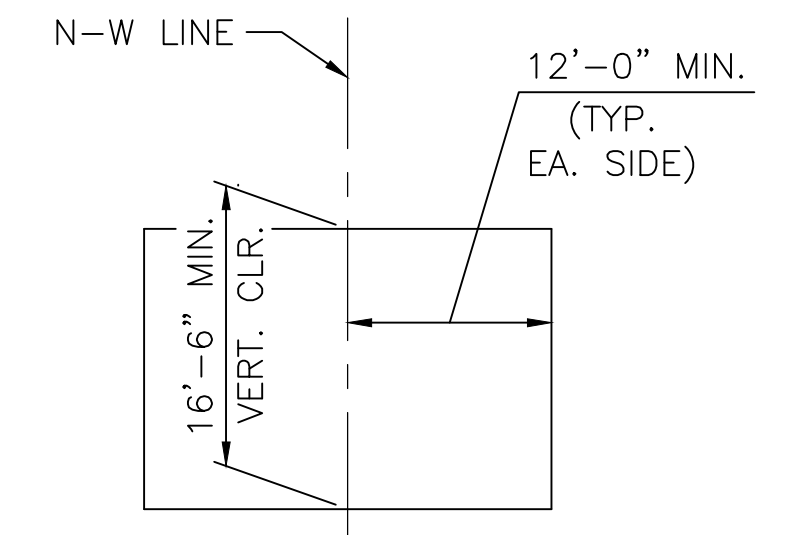
**CONSTRUCTION
OPENING DIAGRAM
(NB I-5)**



**CONSTRUCTION
OPENING DIAGRAM
(SB I-5)**



**CONSTRUCTION
OPENING DIAGRAM
(N-E RAMP)**

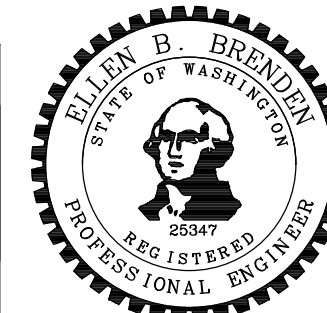


**CONSTRUCTION
OPENING DIAGRAM
(N-W RAMP)**

90% REVIEW
NOT FOR CONSTRUCTION

May 04, 2023 - 12:19pm adharper \\seaw01\proj\6024\CADD\DS01\Drawings\STRUCT\UC0100156_BR4.dwg Layout Name: I-5 Roadway Elevations

No.	Date	Revision	By	Appr.

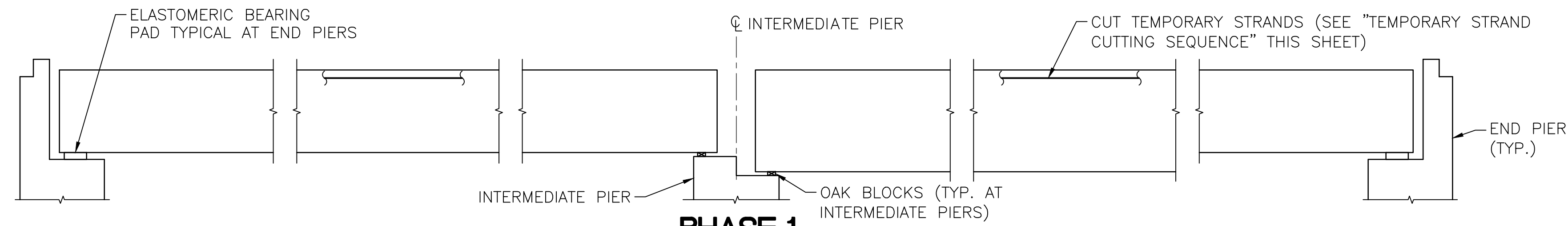


Drawn By	Date	SCALE
ADH	4/3/23	Horiz N/A
Checked By	4/3/23	Vert N/A
PERTEET	4/3/23	Project Number 20100156
Approved By		

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
I-5 ROADWAY ELEVATIONS

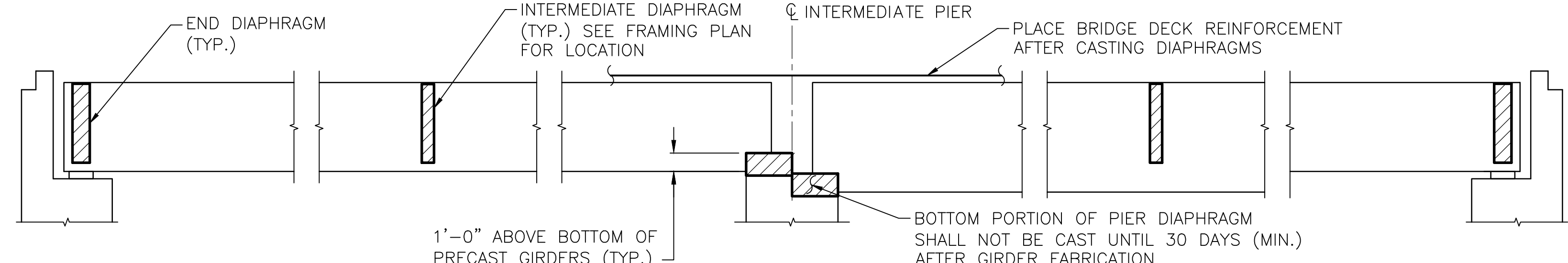
Drawing No. **BR4**
Sheet No.
of Total

C:\S\3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



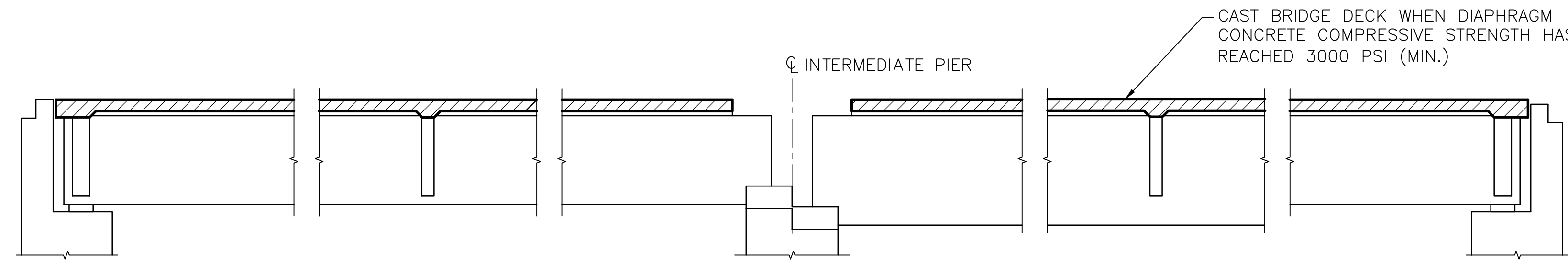
**PHASE 1
SET GIRDERS IN PLACE**

INSTALL TEMPORARY BRACING FOR ERECTION IN ACCORDANCE WITH WSDOT STD. SPEC. SECTION 6-02.3(17)F.

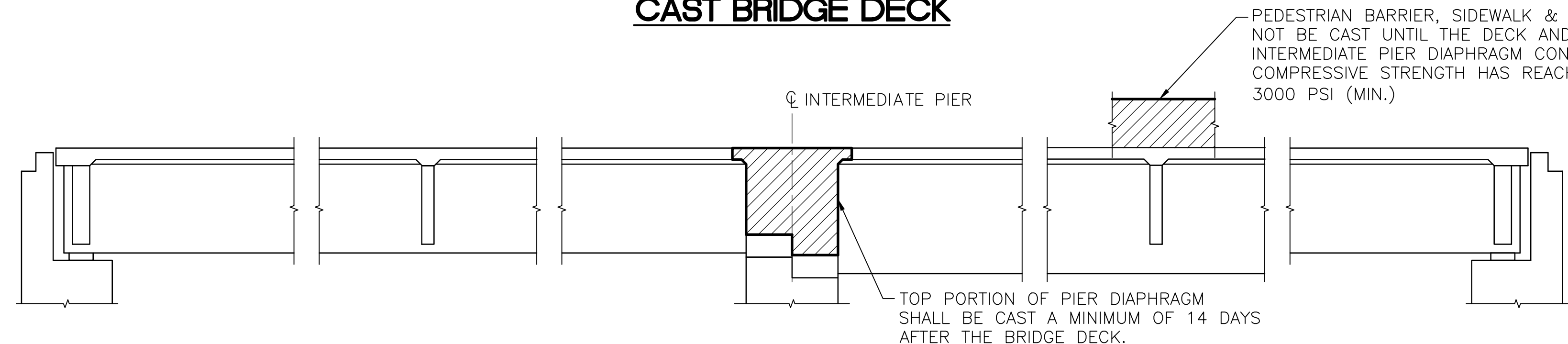


**PHASE 2
CAST DIAPHRAGMS AND PLACE BRIDGE DECK REINFORCEMENT**

INSTALL TEMPORARY BRACING FOR DIAPHRAGM AND DECK PLACEMENT IN ACCORDANCE WITH WSDOT STD. SPEC. SECTION 6-02.3(17)F.



**PHASE 3
CAST BRIDGE DECK**



**PHASE 4
COMPLETE DIAPHRAGMS**

NOTE:
NO LIVE LOAD SHALL BE ALLOWED ON THE SPANS UNTIL THE COMPRESSIVE STRENGTH OF THE TOP PORTION OF THE PIER DIAPHRAGM HAS REACHED 3000 PSI (MIN.) AND ALL DECK CONCRETE HAS BEEN CURED IN ACCORDANCE WITH THE SPECIFICATIONS.

TEMPORARY STRAND CUTTING SEQUENCE

1. ERECT AND BRACE GIRDERS.
2. REMOVE EXPANDED POLYSTYRENE IN 2"x6" RECESSES IN TOP FLANGE OF GIRDERS.
3. CUT STRANDS IN 2"x6" RECESSES. STRANDS MAY BE CUT BY USING A CUTTING TORCH AND MOVING THE FLAME BACK AND FORTH OVER THE LENGTH OF EXPOSED STRAND TO LET INDIVIDUAL WIRES BREAK ONE AT A TIME TO LESSEN THE SHOCK TO THE GIRDER. STRANDS SHALL BE RELEASED IN A SYMMETRICAL MANNER AROUND THE GIRDER CENTERLINE STARTING WITH THOSE NEAREST THE CENTERLINE AND WORKING OUTWARDS.
4. REMOVE ALL MOISTURE IN RECESS PRIOR TO FILLING RECESS WITH GROUT.

CONSTRUCTION SEQUENCE - SUPERSTRUCTURE

SCALE: NOT TO SCALE

90% REVIEW
NOT FOR CONSTRUCTION

May 09, 2023 - 11:18am adharner \\seaw001\jst\60024\CADD\DS001\Drawings\STRUCTURE\100156_BR5.dwg Layout Name: GirderConSeq

No.	Date	Revision	By	Appr.

HNTB
HNTB Corporation
777 108th Avenue NE
Suite 1000
Bellevue, WA 98004
(425) 455-3555

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD WASHINGTON



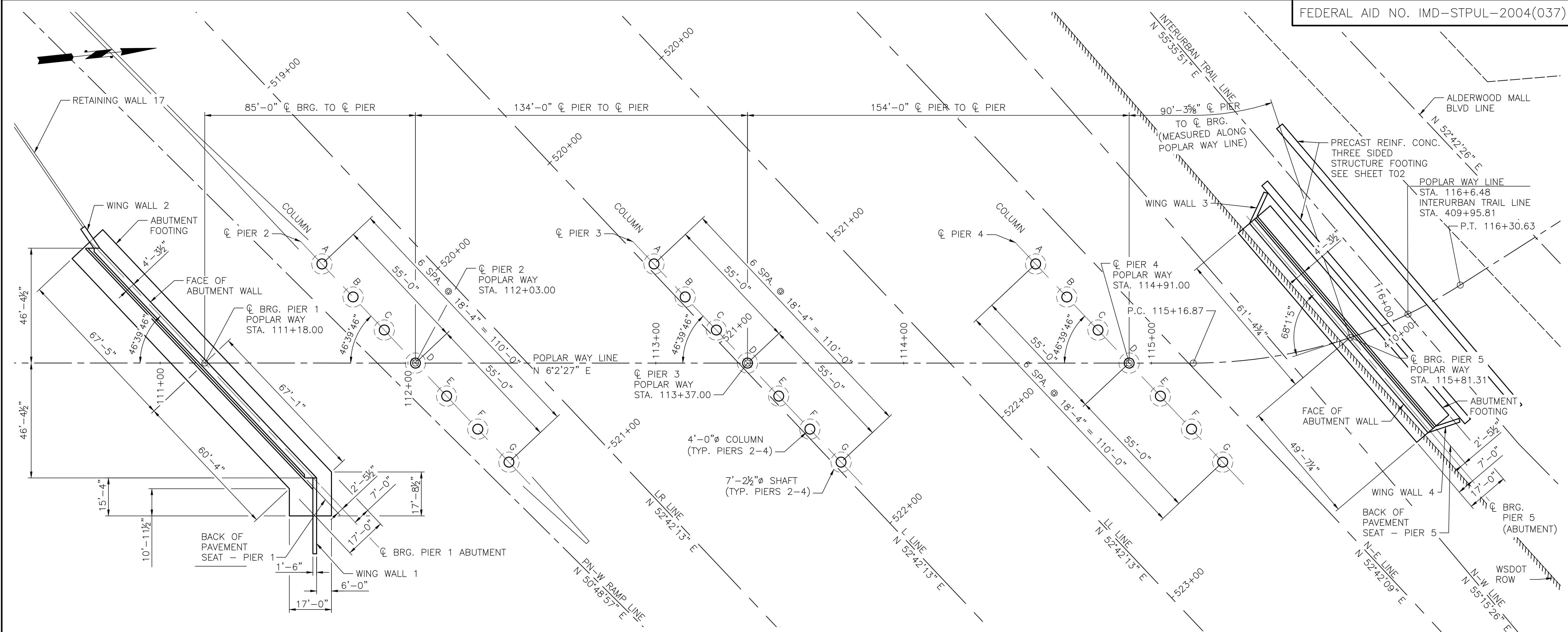
Drawn By	Date
ADH	4/3/23
Designed By	
ADH	4/3/23
Checked By	
TZ	4/3/23
Approved By	

SCALE	
Horiz	N/A
Vert	N/A
Project Number	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
CONSTRUCTION SEQUENCE

Drawing No.	BR5
Sheet No.	
of Total	

CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE ~ PROJECT NO. TA2797 ~ NORTHWEST REGION ~ 1-5 ~ MP 181+62 ~



FOUNDATION PLAN

May 09, 2023 9:10am aharper:\saw00\jobs\60024\CADD\Drawings\STRUC\20100156_BR6.dwg Layout Name: Foundation Layout

PROJ. NO. TA2797 ~ NORTHWEST REGION ~ 1-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE

CALL 2 BUSINESS DAYS BEFORE YOU DIG
 1 800 424-5555
 UTILITIES UNDERGROUND LOCATION CENTER

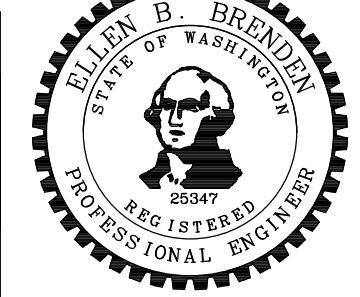
90% REVIEW
 NOT FOR CONSTRUCTION

No.	Date	Revision	By	Appr.

HNTB
 HNTB Corporation
 777 108th Avenue NE
 Suite 1000
 Bellevue, WA 98004
 (425) 455-3555

PERTEET
 2707 COLBY AVENUE, SUITE 900
 EVERETT, WA 98201
 425.252.7700 | 800.615.9900

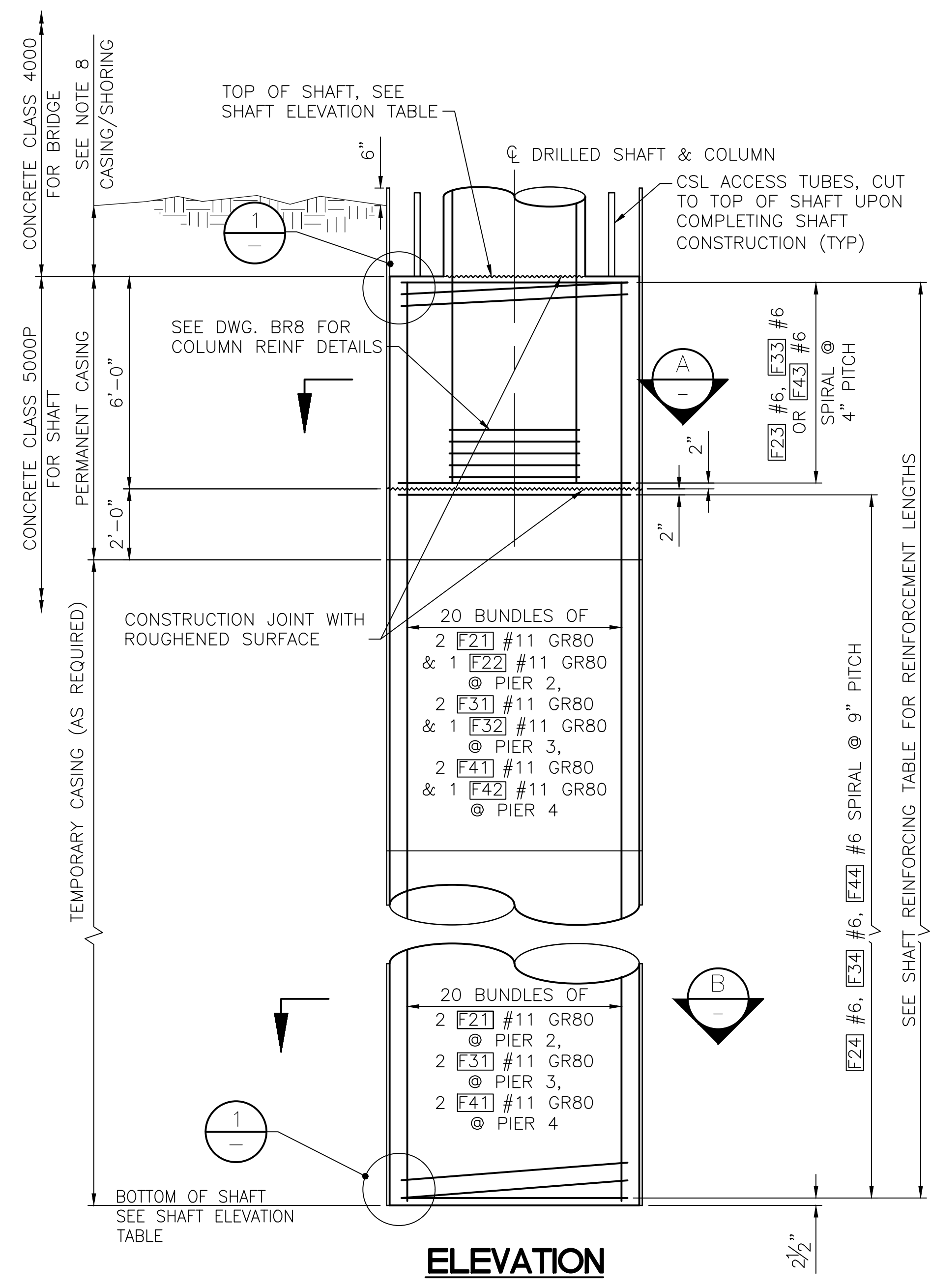
LYNNWOOD WASHINGTON



Drawn By	Date	SCALE
ADH	4/3/23	Horiz N/A
Designed By	4/3/23	Vert N/A
Checked By	4/3/23	Project Number
Approved By	4/3/23	20100156

CITY OF LYNNWOOD
 POPLAR WAY EXTENSION BRIDGE
FOUNDATION LAYOUT

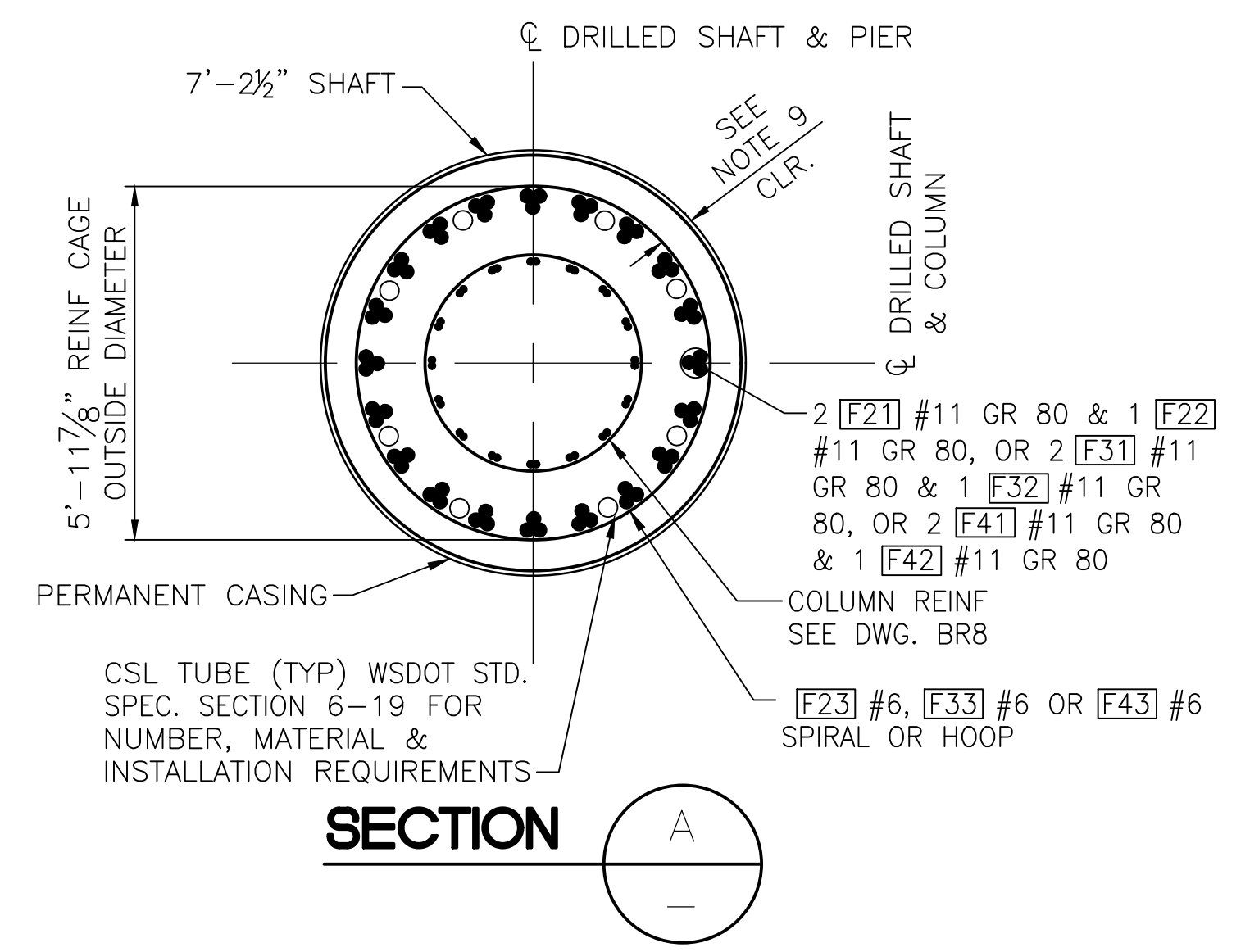
Drawing No.	BR6
Sheet No.	
of Total	



ELEVATION

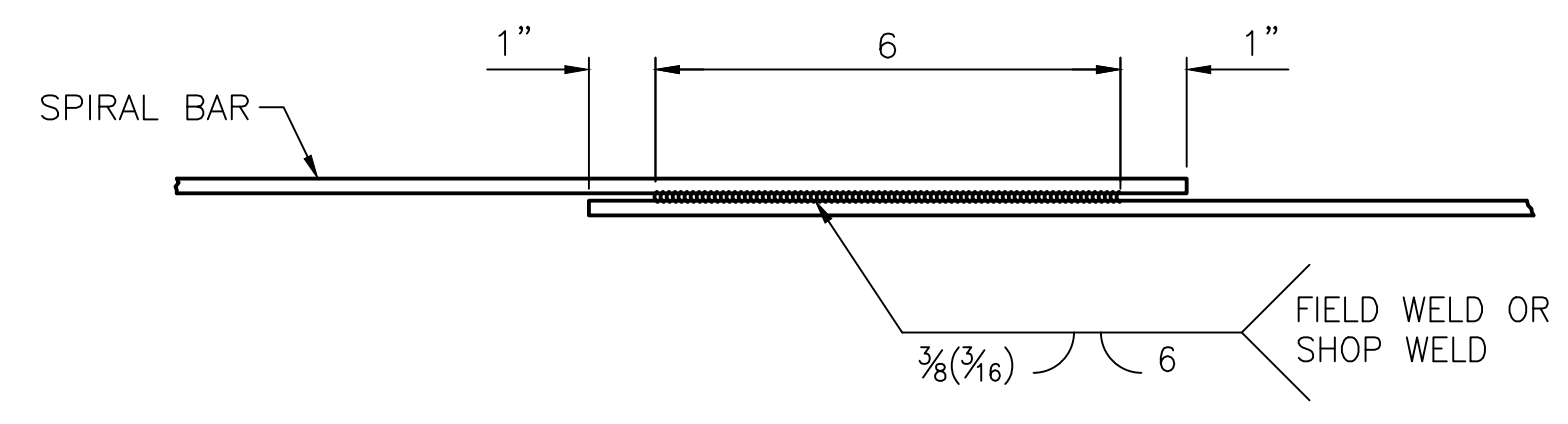
SHAFT REINFORCING TABLE

SHAFT DEPTH PIERS 2 & 4	SHAFT DEPTH PIER 3	SPIRAL REINFORCING	LONG. REINFORCING
0'-0" - 6'-0"	0'-0" - 6'-0"	#6 @ 4"	20 BUNDLES OF 2 #11 & 1 #11
6'-0" - 26'-0"	6'-0" - 35'-0"	#6 @ 9"	20 BUNDLES OF 2 #11 & 1 #11
26'-0" - 33'-0"	35'-0" - 45'-0"	#6 @ 9"	20 BUNDLES OF 2 #11



SECTION A

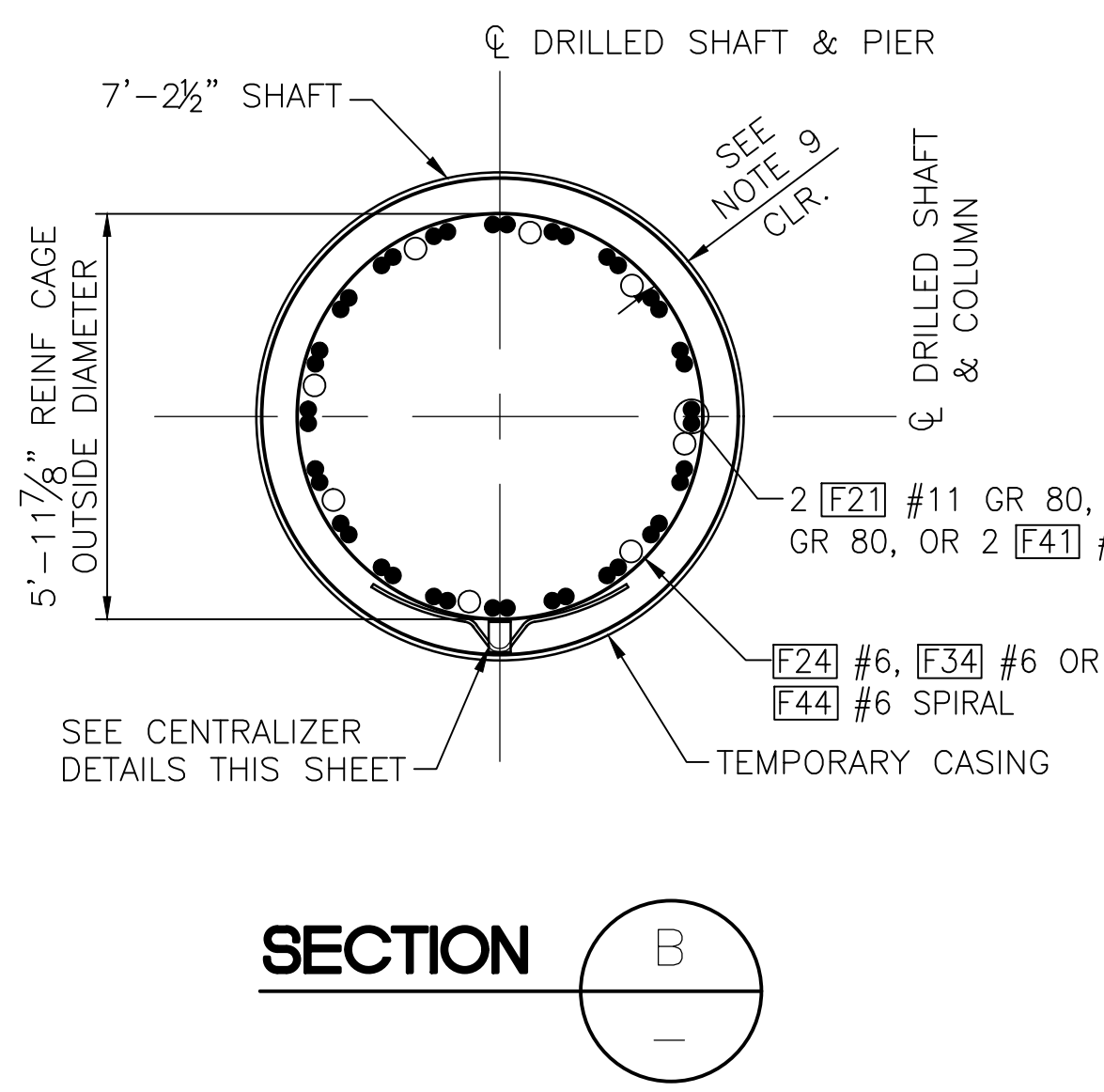
SEE SHAFT REINFORCING TABLE FOR REINFORCEMENT LENGTHS



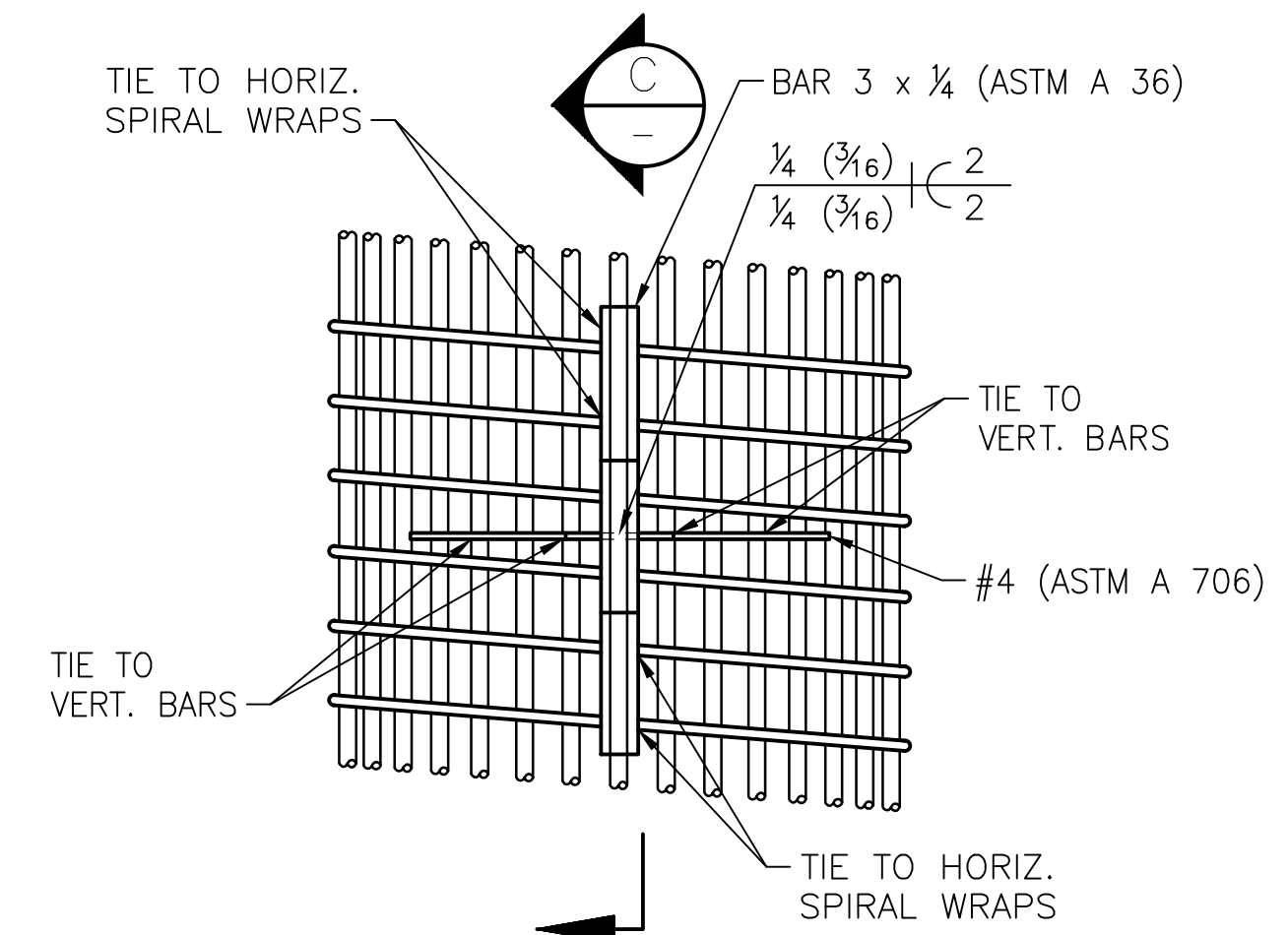
WELDED SPLICE DETAIL
SEE NOTE 7

SHAFT ELEVATION TABLE

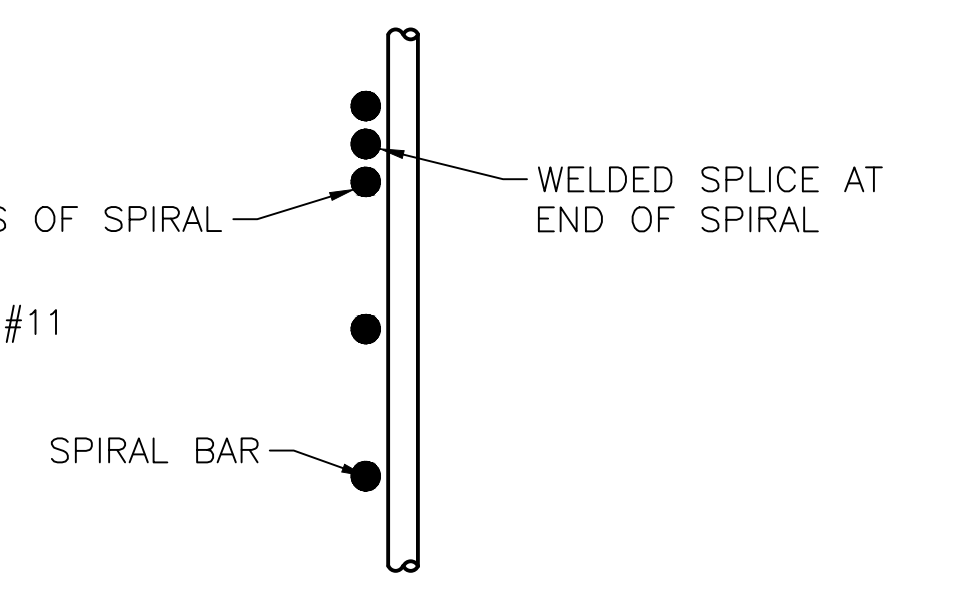
PIER NO.	TOP OF SHAFT ELEVATION						
	A	B	C	D	E	F	G
2	400.5	400.8	401.1	401.4	401.7	402.1	402.5
3	407.4	407.1	406.9	406.7	406.5	406.3	406.1
4	402.5	402.5	402.5	402.0	401.5	401.0	400.5
PIER NO.	BOTTOM OF SHAFT ELEVATION						
	COL 7	COL 6	COL 5	COL 4	COL 3	COL 2	COL 1
2	367.5	367.8	368.1	368.4	368.7	369.1	369.5
3	362.4	362.1	361.9	361.7	361.5	361.3	361.1
4	369.5	369.5	369.5	369.0	368.5	368.0	367.5



SECTION B

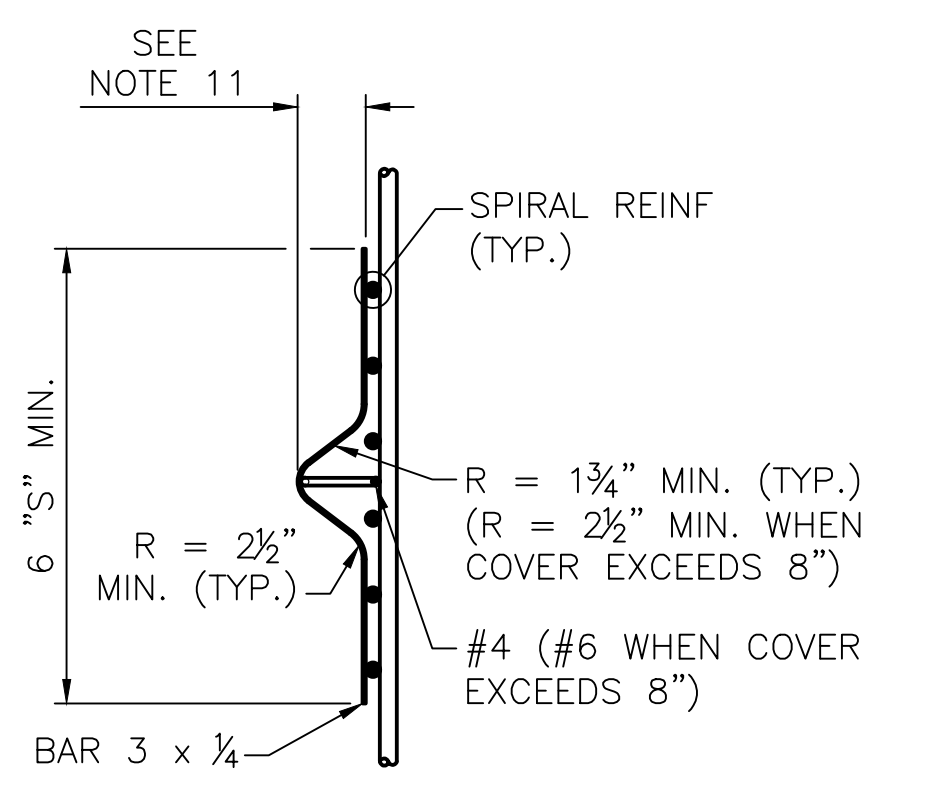


CENTRALIZER DETAIL
SEE NOTES 3, 4, 5, AND 6



SPIRAL TERMINATION

DETAIL 1



SECTION C

GENERAL NOTES:

- REMOVE SEDIMENT LAITENCE AND WEAK CONCRETE TO SOUND CONCRETE PRIOR TO SETTING COLUMN REINFORCEMENT.
- ALL SPIRALS SHALL HAVE WELDED LAP SPLICES. SEE WELDED LAP SPLICE DETAIL.
- SEE STANDARD SPECIFICATION 6-19.3(5)B FOR SPACING REQUIREMENTS.
- EACH LEG SHALL BE TIED TO TWO (2) VERTICAL BAR AND TWO (2) SPIRAL WRAPS OR TWO (2) HOOPS.
- CENTRALIZERS SHALL BE EPOXY COATED OR PAINTED WITH PAINT CONFORMING TO STANDARD SPECIFICATION 9-08.1(2)c OR 9-08.1(2)f AFTER FABRICATION.
- CAGECASTER(R) REBAR CAGE SPACERS BY FOUNDATION TECHNOLOGIES MAY BE USED IN LIEU OF DETAIL SHOWN. SPACING REQUIREMENTS SHALL BE PER MANUFACTURER'S RECOMMENDATIONS. EACH LEG SHALL BE TIED TO A MINIMUM OF TWO (2) SPIRAL WRAPS OR HOOPS.

GENERAL NOTES CONT'D:

- WELDING SHALL MEET THE REQUIREMENTS OF STANDARD SPECIFICATIONS 6-02.3(24)E.
- INSTALL TOP CASING SHORING TO ELEVATION +405FT OR THE GROUND SURFACE, WHICHEVER IS HIGHER.
- SEE STANDARD SPECIFICATION 6-19.3(5)C FOR MINIMUM CONCRETE COVER.
- LONGITUDINAL SHAFT REINFORCEMENT SHALL CONFORM TO ASTM A706 GRADE 80 OR AASHTO M 31 GRADE 80.
- MINIMUM CONCRETE COVER MINUS 1/2".

90% REVIEW
NOT FOR CONSTRUCTION

May 09, 2023 - 2:16pm a:sharper: usawaw00jpbse0024/CADD/SDS001D/Drawings/STRUC/20100156_BR7.dwg Layout Name: Piers 2 thru 4 Shaft Details

No.	Date	Revision	By	Appr.

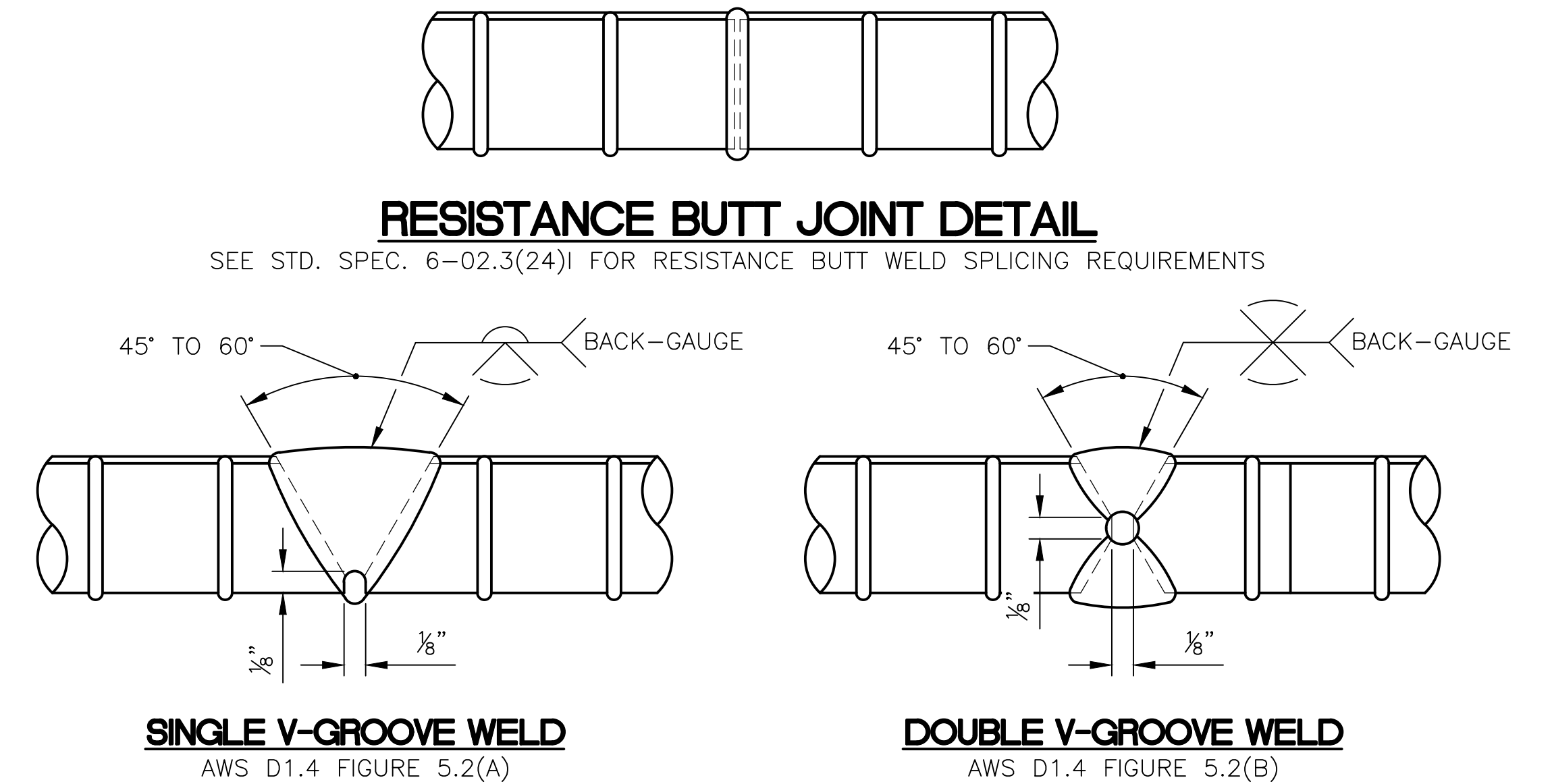
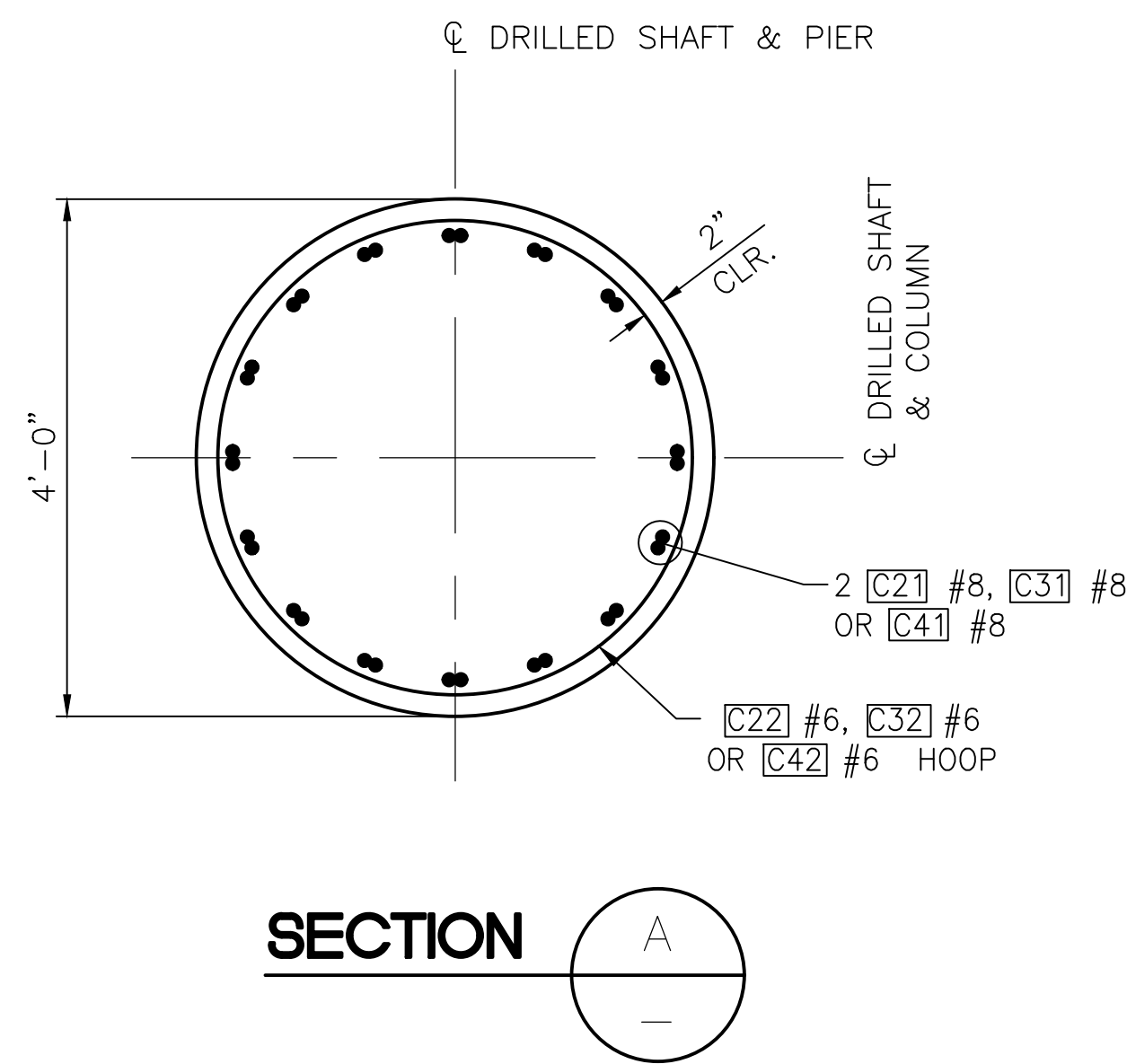
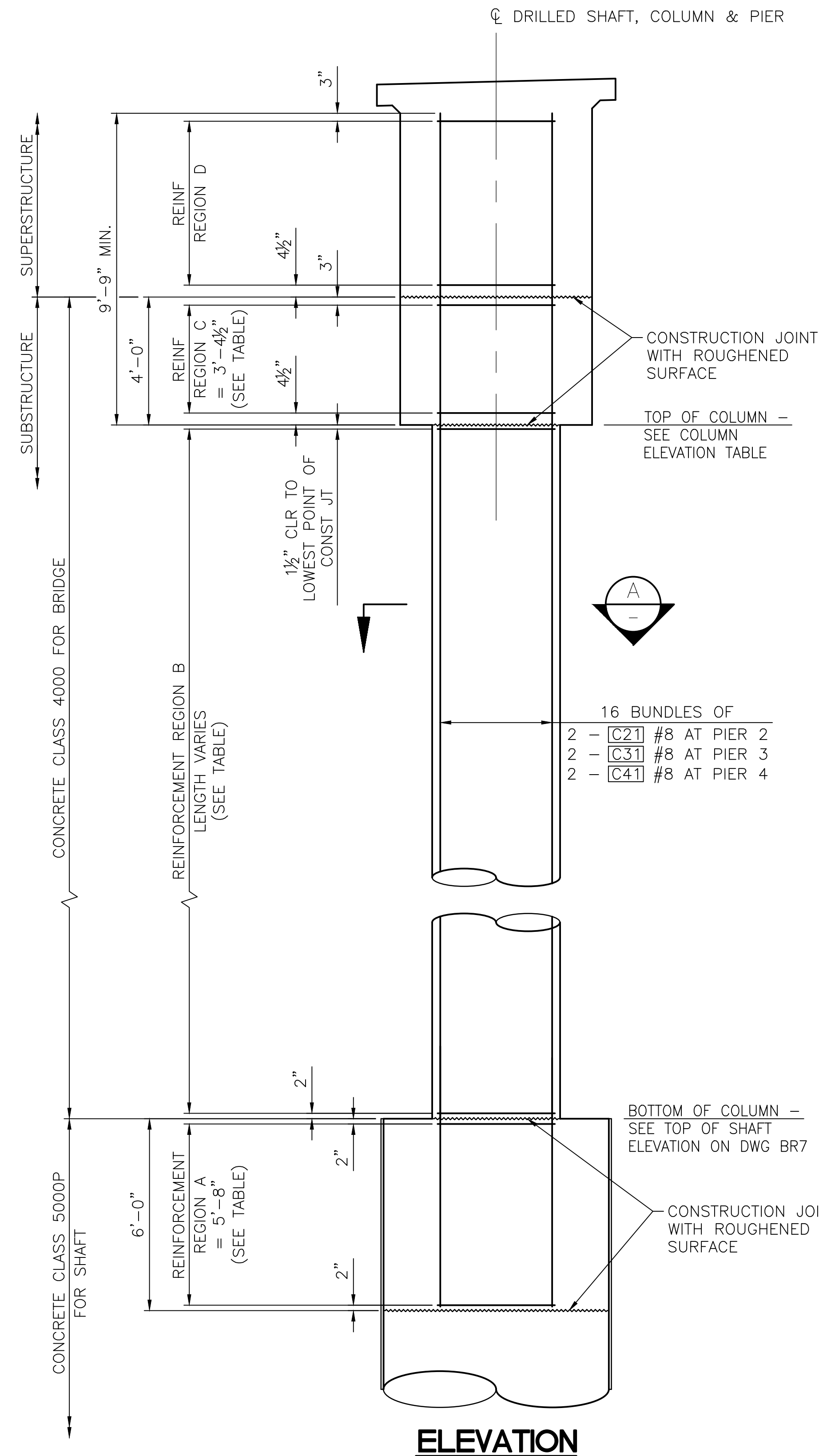


Drawn By ADH	Date 4/3/23	SCALE
Designed By DP	4/3/23	Horiz N/A
Checked By EBB	4/3/23	Vert N/A
Approved By		Project Number 20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PIERS 2 THRU 4 SHAFT DETAILS

Drawing No. BR7
Sheet No.
of Total

PROJ. NO. TA2797 ~ NORTHWEST REGION ~ 1-5 ~ MP 18+62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



RESISTANCE BUTT JOINT DETAIL
SEE STD. SPEC. 6-02.3(24)J FOR WELDING REQUIREMENTS AND RT TESTING

COLUMN REINFORCING TABLE

PIER NO.	HOOP REINFORCING				
	BAR MARK	REGION A	REGION B	REGION C	REGION D
2	C22	#6 @ 4"	#6 @ 4"	#6 @ 4"	#6 @ 9.75" MAX
3	C32	#6 @ 4"	#6 @ 4"	#6 @ 4"	#6 @ 9.75" MAX
4	C42	#6 @ 4"	#6 @ 4"	#6 @ 4"	#6 @ 9.75" MAX

COLUMN ELEVATION TABLE

PIER NO.	TOP OF COLUMN ELEVATION						
	COLUMN						
	A	B	C	D	E	F	G
2	419.72	420.09	420.46	420.83	421.20	421.57	421.94
3	425.03	424.84	424.65	424.45	424.26	424.06	423.87
4	423.94	423.11	422.27	421.44	420.61	419.78	418.95

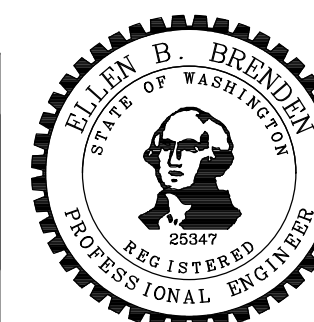
GENERAL NOTES:

- ALL HOOPS SHALL HAVE BUTT WELDED SPLICES. SEE RESISTANCE BUTT JOINT DETAIL. STAGGER HOOP SPLICES AROUND THE COLUMN PERIMETER SO THAT SPLICES ON ADJACENT HOOPS ARE MINIMUM OF 2'-0" APART.
- COLUMN LONGITUDINAL REINFORCING SHALL BE CONTINUOUS & SHALL NOT BE SPLICED.

90% REVIEW
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May 04, 2023 - 12:20pm adharper \\seaw0jps6024\CADD\DS01\Drawings\STRUC\20100156_BR8.dwg Layout Name: Piers 2 thru 4 Column Details

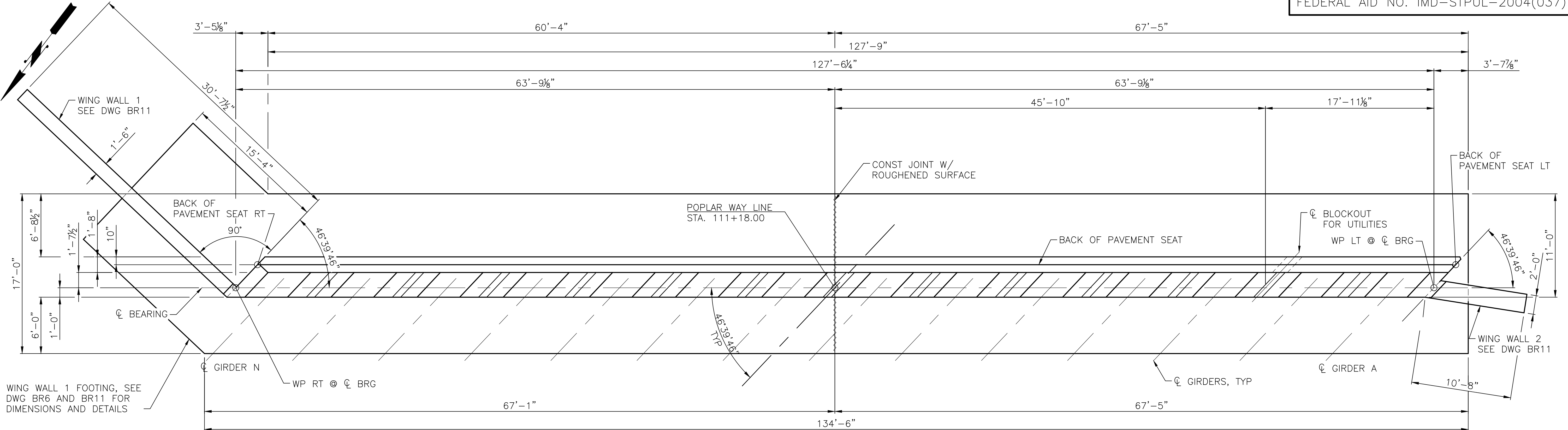
No.	Date	Revision	By	Appr.



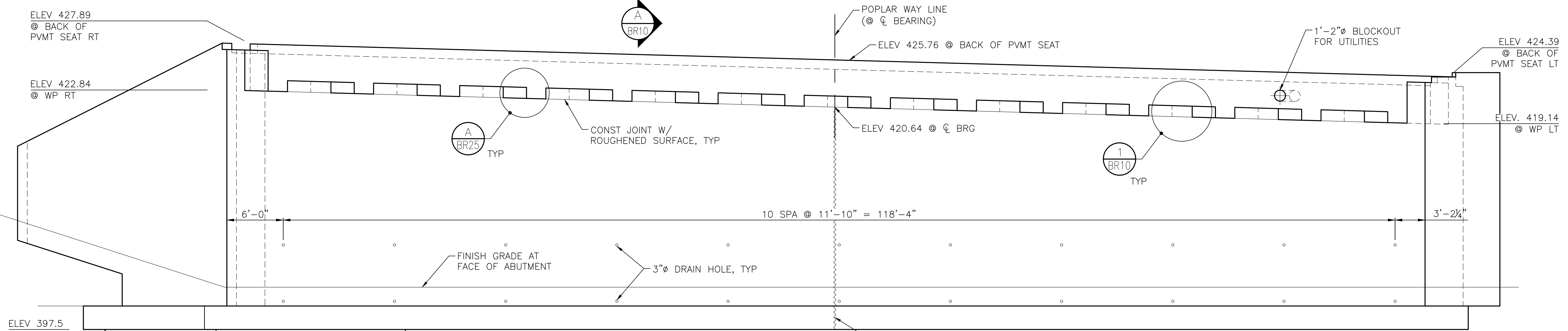
Drawn By ADH	Date 4/3/23	SCALE
Designed By DF	4/3/23	Horiz N/A
Checked By EBB	4/3/23	Vert N/A
Approved By		Project Number 20100156

CITY OF LYNNWOOD		Drawing No.
POPLAR WAY EXTENSION BRIDGE		BR8
PIERS 2 THRU 4 COLUMN DETAILS		Sheet No.
		of Total

C:\S1\3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



PIER 1 - PLAN



PIER 1 - ELEVATION

ELEVATION SHOWN LOOKING BACK ON STATION

TOP OF GROUT PAD ELEVATIONS

GIRDER A	GIRDER B	GIRDER C	GIRDER D	GIRDER E	GIRDER F	GIRDER G	GIRDER H	GIRDER I	GIRDER J	GIRDER K	GIRDER L	GIRDER M	GIRDER N
419.45	419.61	419.79	419.98	420.20	420.44	420.70	420.98	421.27	421.59	421.91	422.23	422.54	422.83

90% REVIEW
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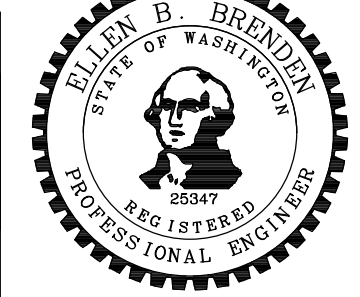
May 09, 2023 - 10:22am - adharner - I:\asaw01\jos60024\CADD\DS001\Drawings\STRUCT\00100166_BR9.dwg - Layout Name: Pier-1 Plan and Elevation

No.	Date	Revision	By	Appr.

HNTB
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777 108th Avenue NE
Suite 1000
Bellevue, WA 98004
(425) 455-3555

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD WASHINGTON

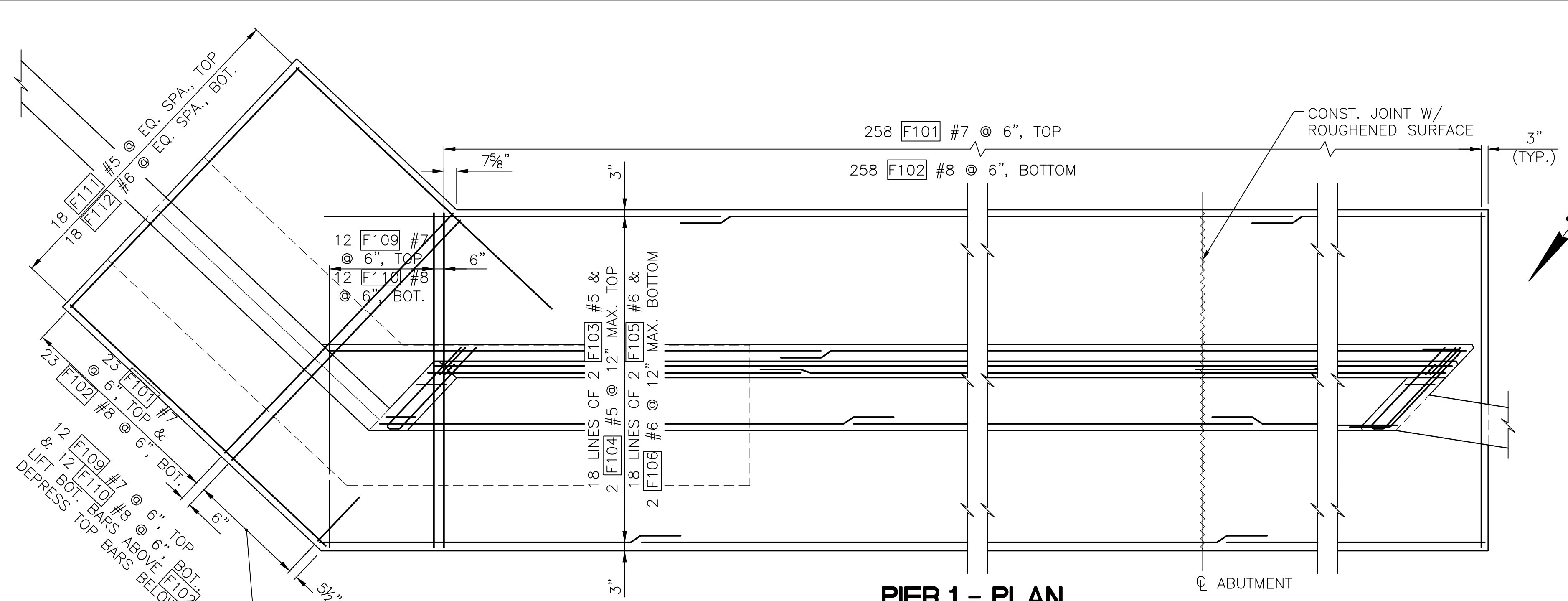


Drawn By	Date	SCALE
ADH	4/3/23	Horiz N/A
Designed By	4/3/23	Vert N/A
Checked By	4/3/23	Project Number
EGG	4/3/23	20100156
Approved By		

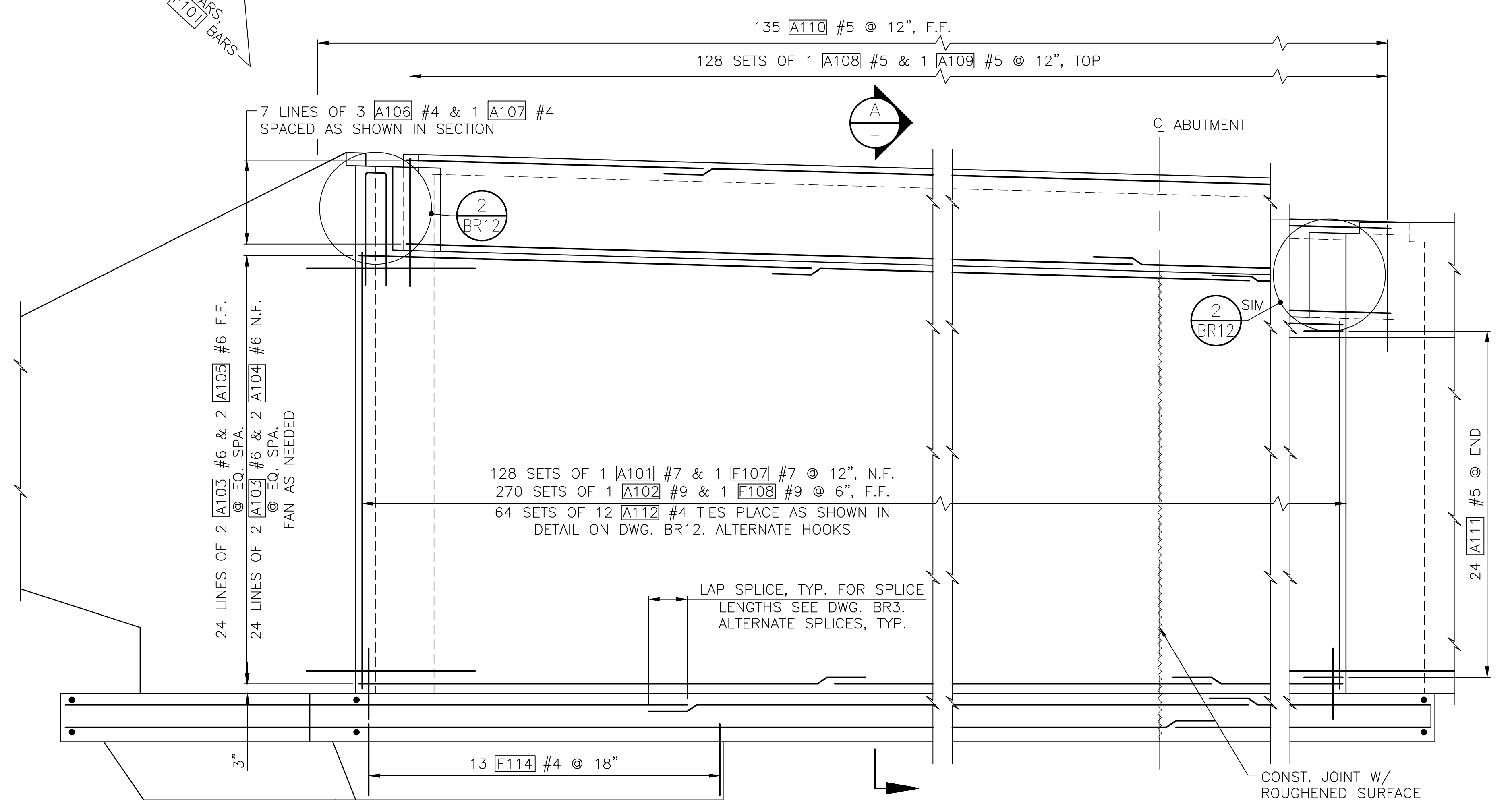
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PIER 1 PLAN AND ELEVATION

Drawing No.	BR9
Sheet No.	
of Total	

PROJ. NO. TA2797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE

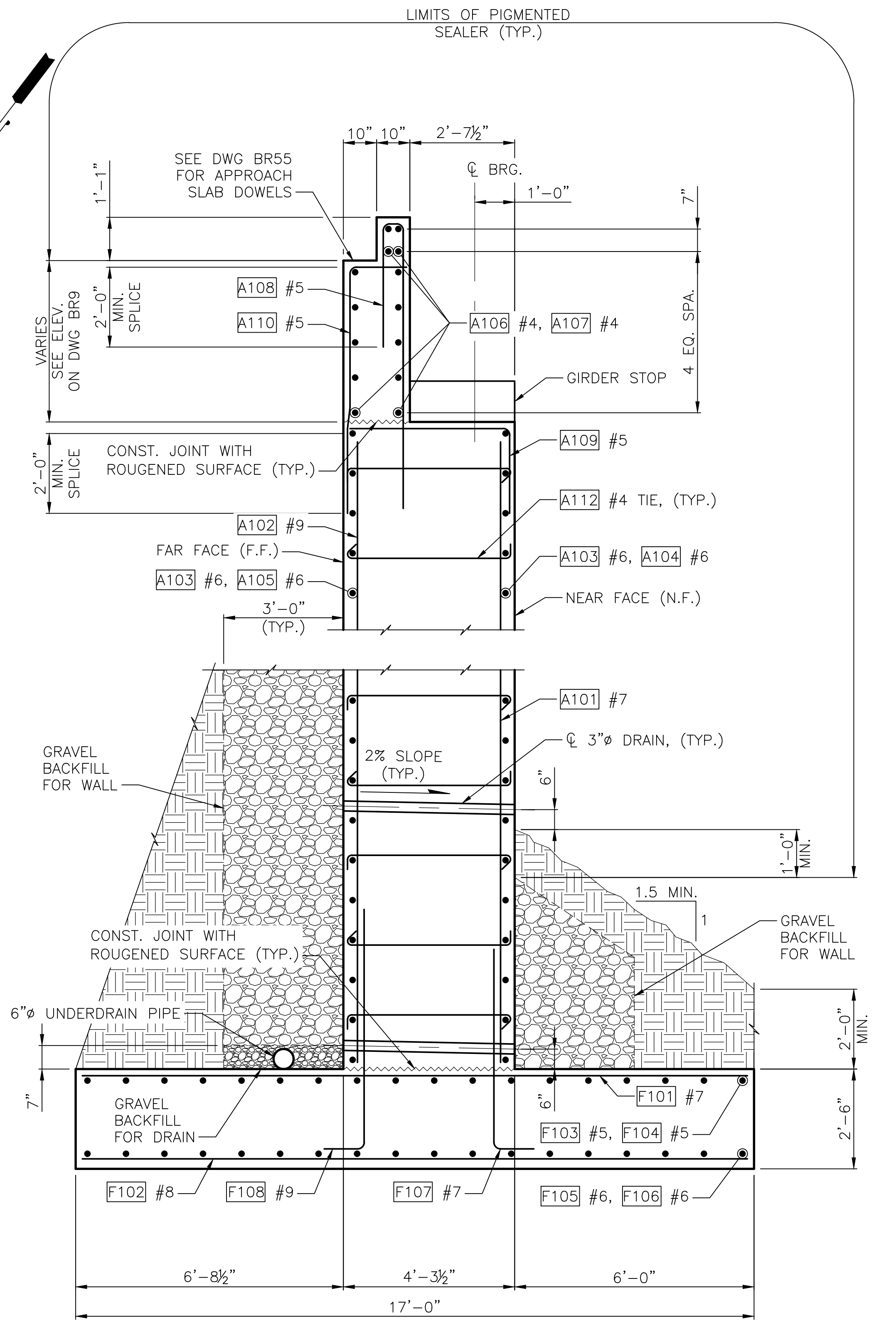


PIER 1 - PLAN



PIER 1 - ELEVATION

ELEVATION SHOWN LOOKING BACK ON STATION



SECTION A
BR9

90% REVIEW
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May 09, 2023 - 10:25am - adharner \\seaw001\jobs\60024\CADD\DRG\1\Drawings\STRUC\0100156_BR10.dwg Layout Name: Pier 1 Sections

No.	Date	Revision	By	Appr.

HNTB
HNTB Corporation
777 108th Avenue NE
Suite 1000
Bellevue, WA 98004
(425) 455-3555

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
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LYNNWOOD WASHINGTON

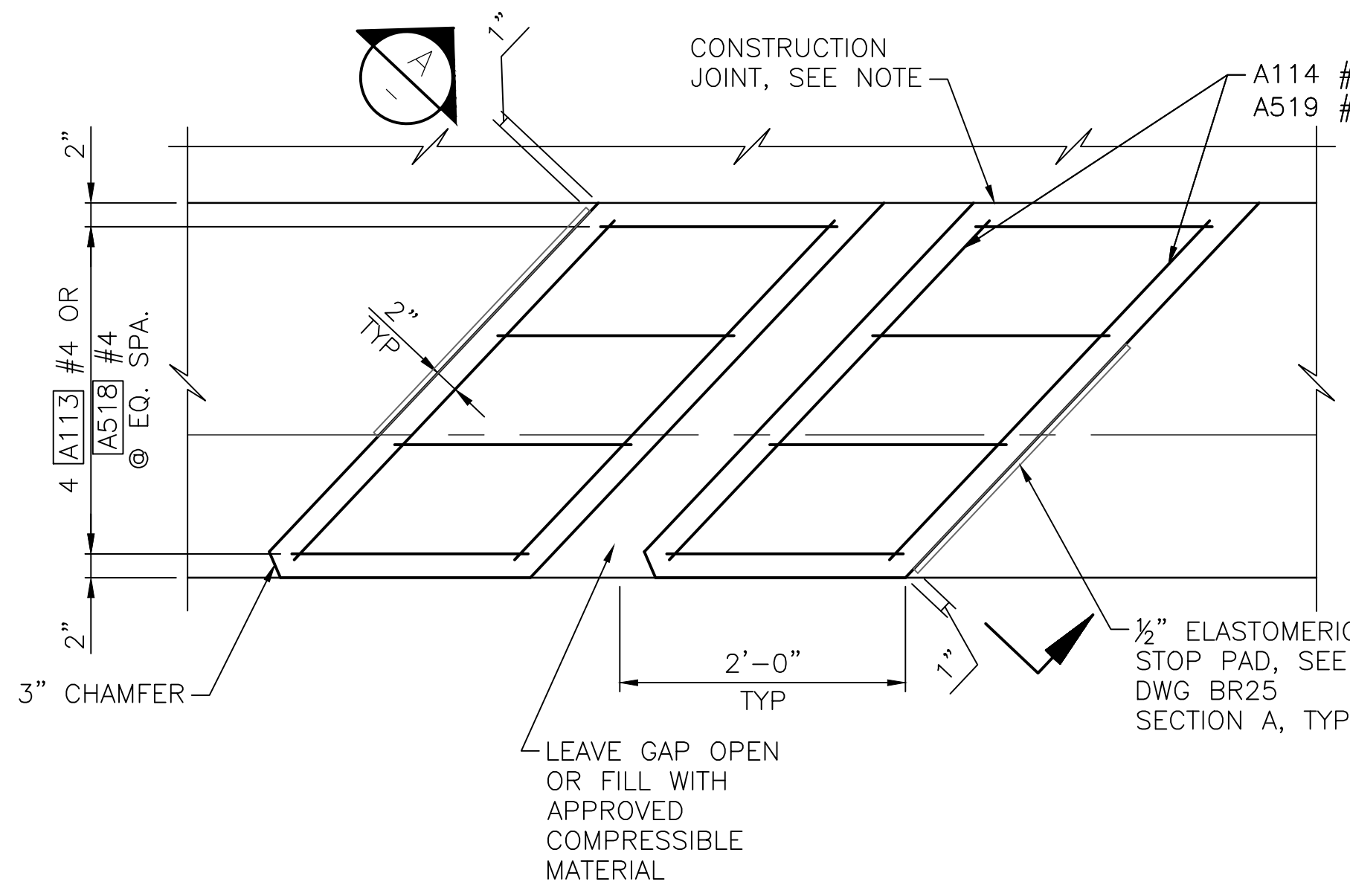


Drawn By	ADH	Date	4/3/23	SCALE	
Designed By	DP	Date	4/3/23	Horiz	N/A
Checked By	EBB	Date	4/3/23	Vert	N/A
Approved By		Project Number	20100156		

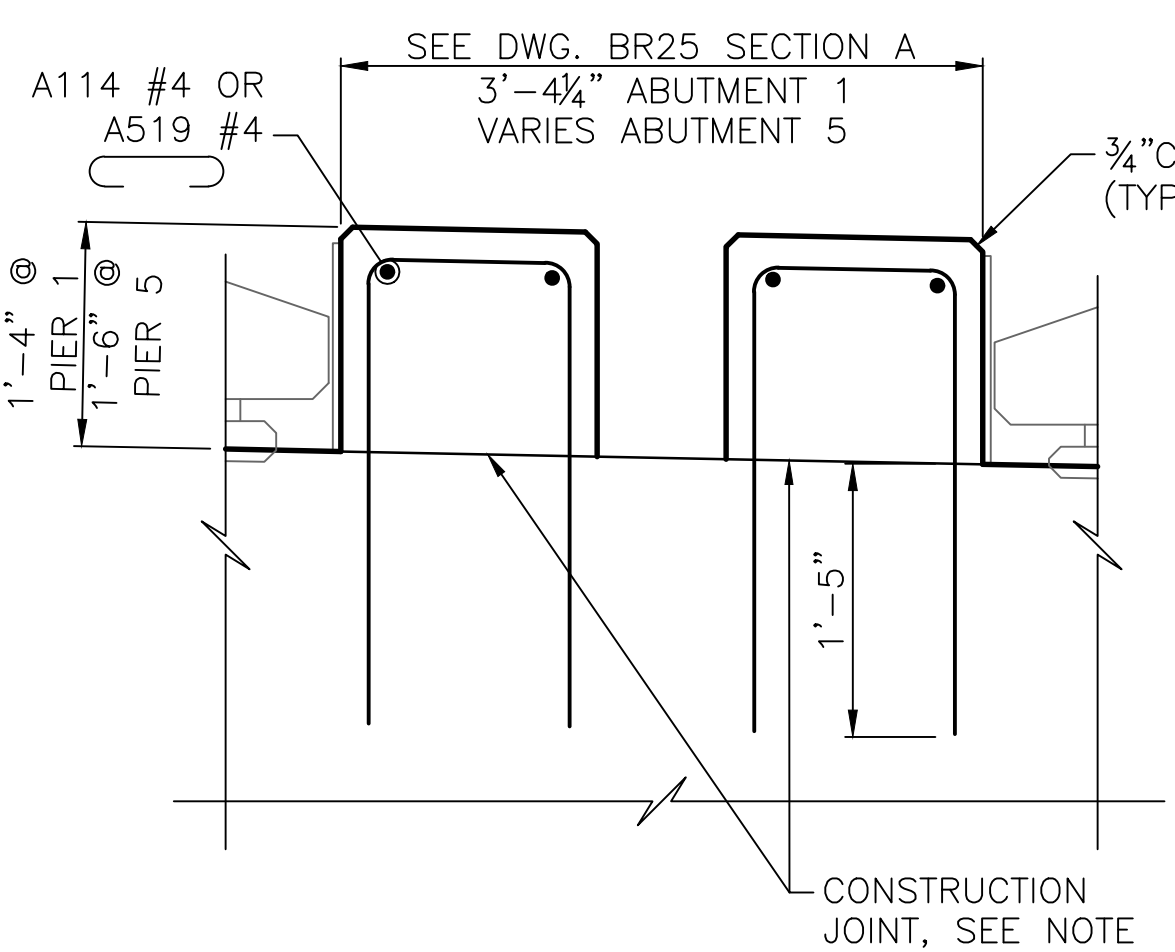
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PIER 1 SECTION & REINFORCEMENT

Drawing No.	BR10
Sheet No.	
of Total	

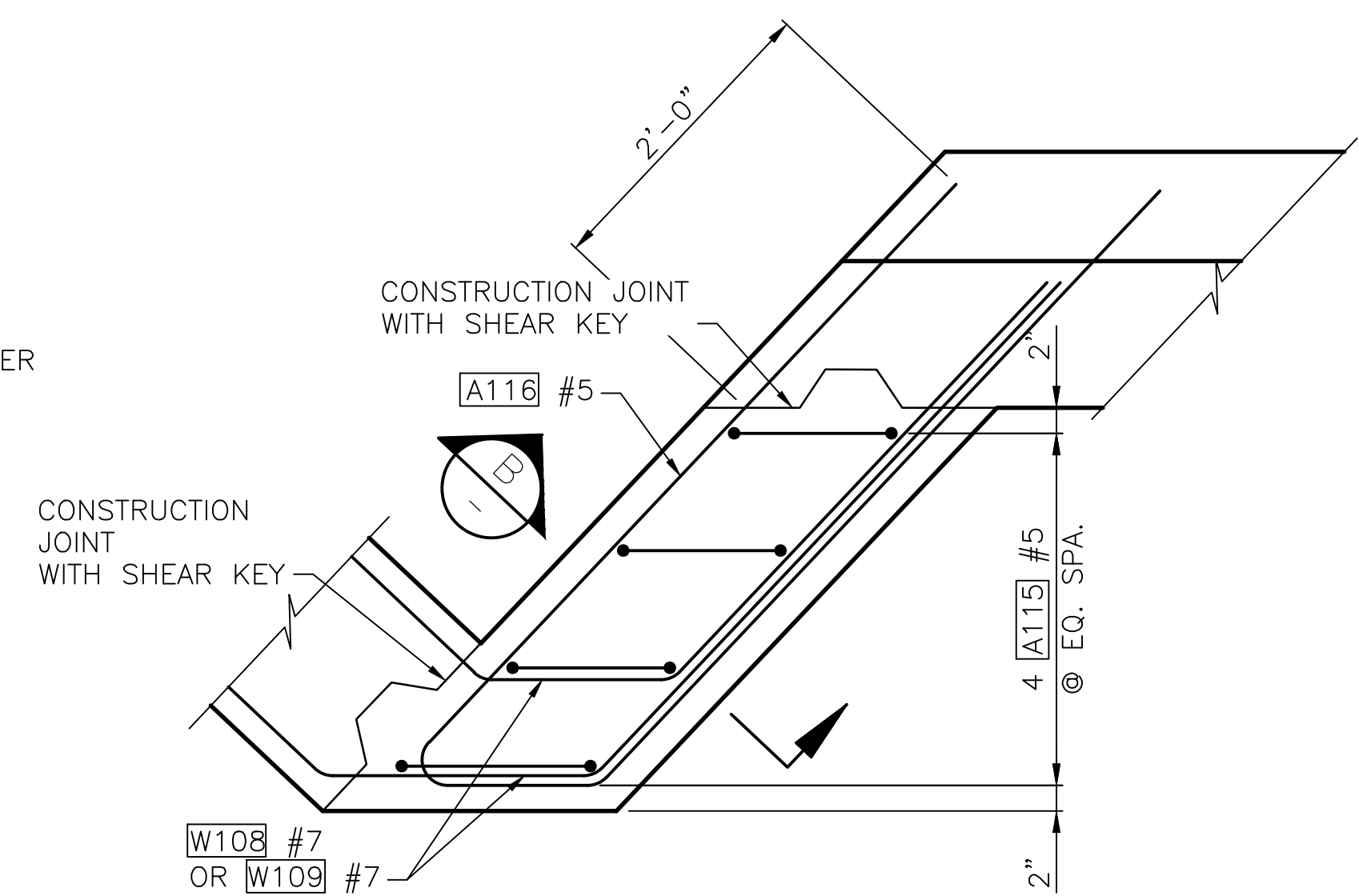
PROJ. NO. TA2797 ~ NORTHWEST REGION ~ 1-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



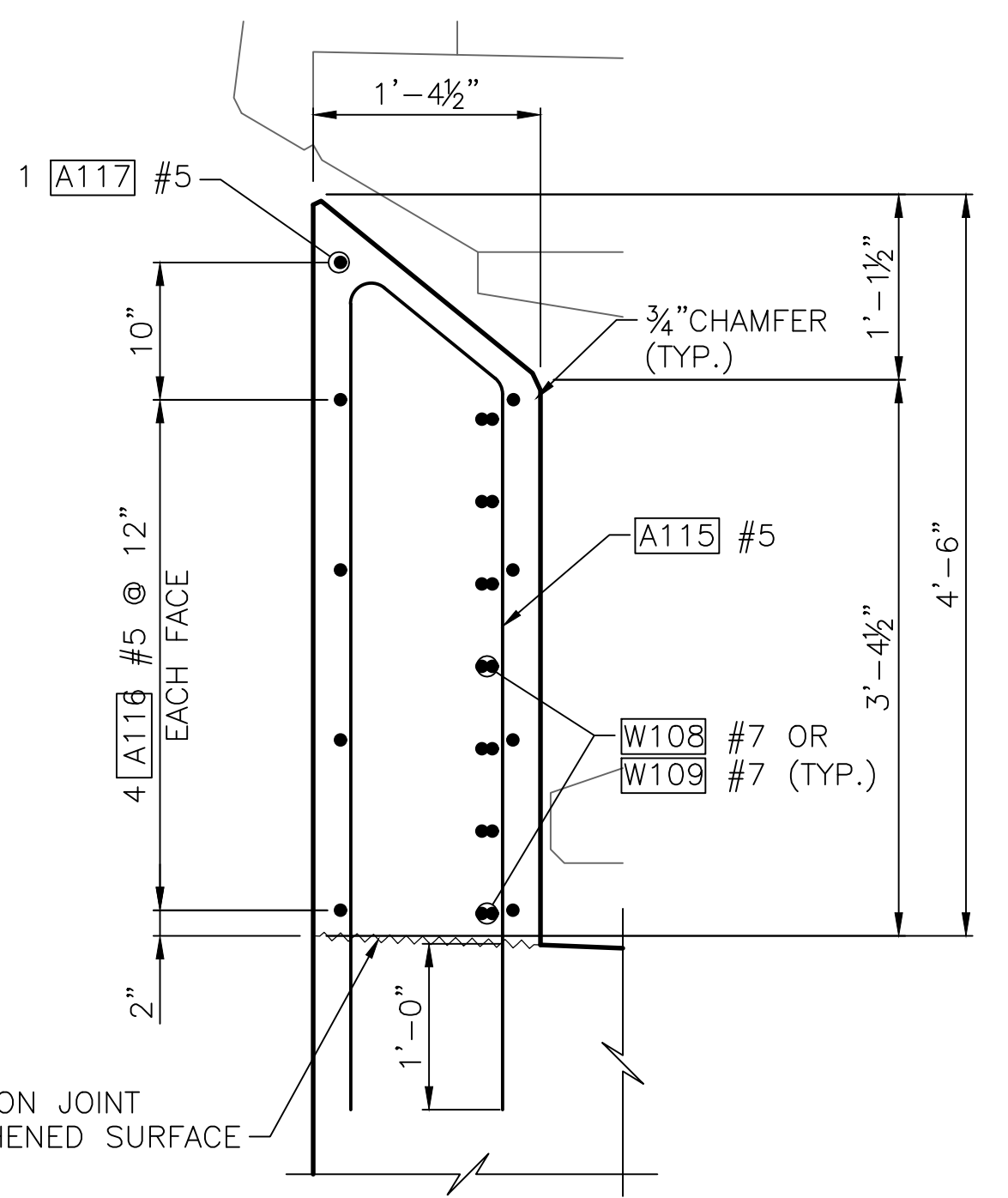
PLAN



SECTION A



PLAN



SECTION B

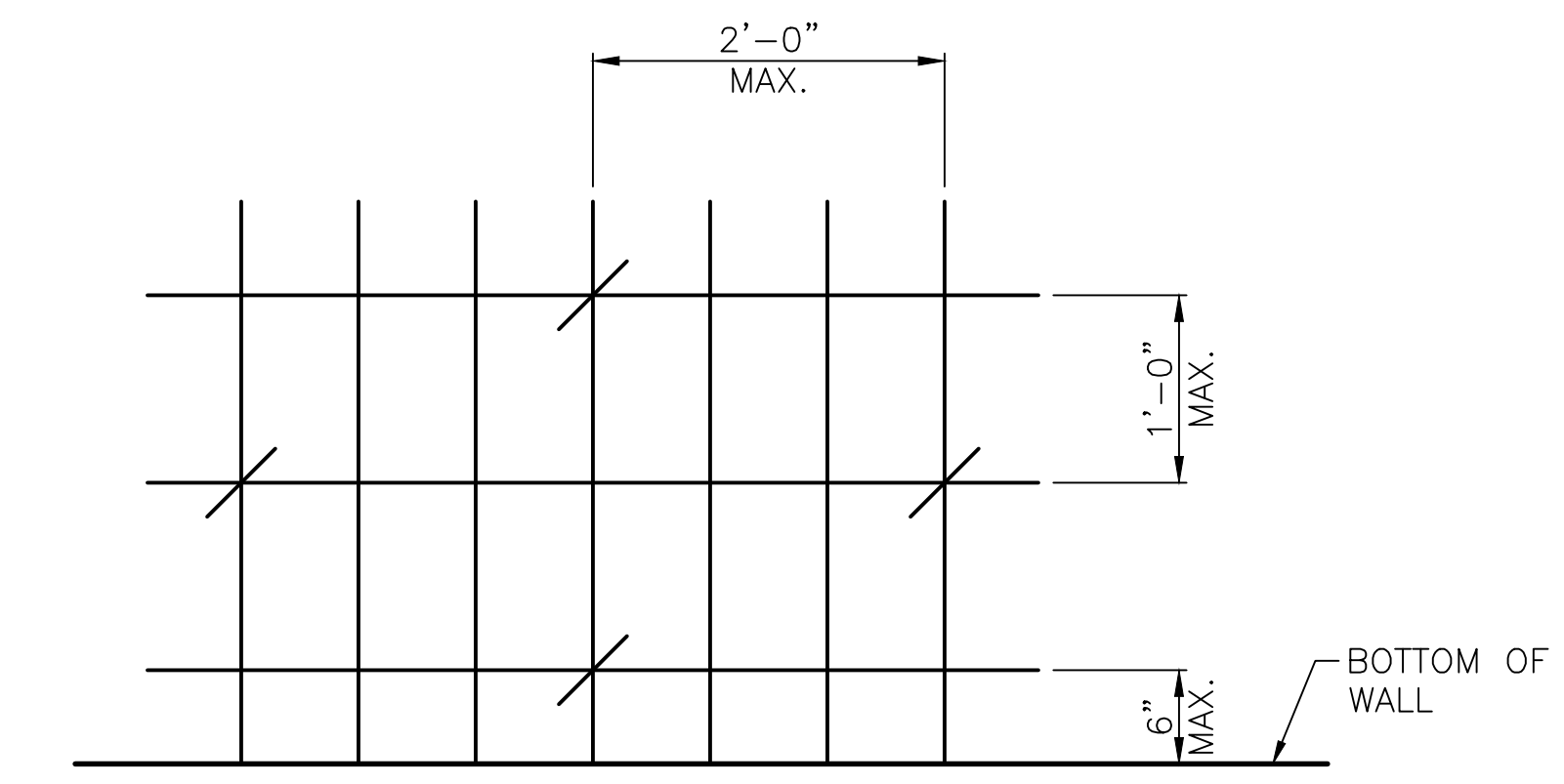
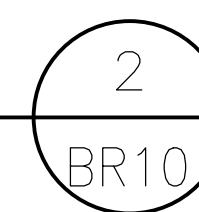
NOTE: CONCRETE SURFACE SHALL BE CLEAN AND FREE OF LAITANCE, BUT NOT ROUGHENED

GIRDERSTOP DETAIL

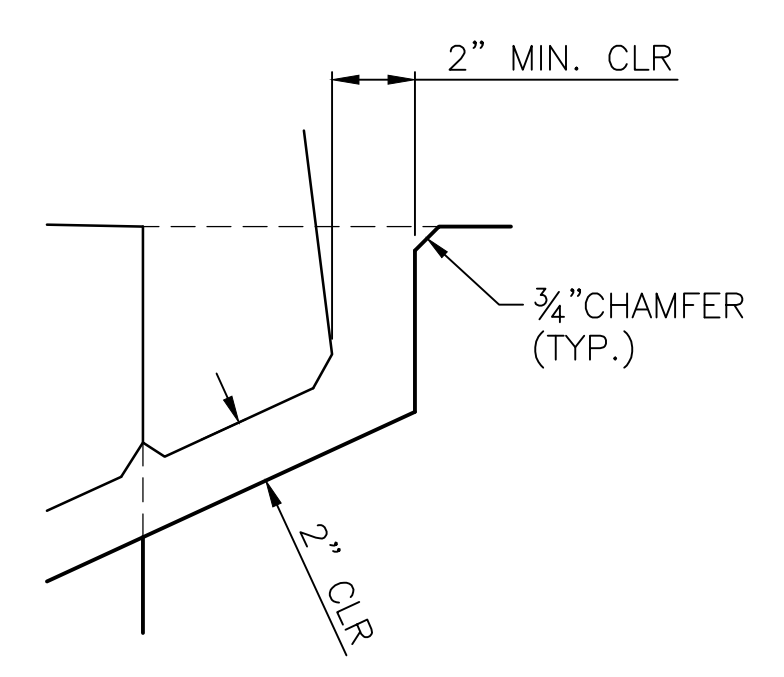


SIDEWALL DETAIL

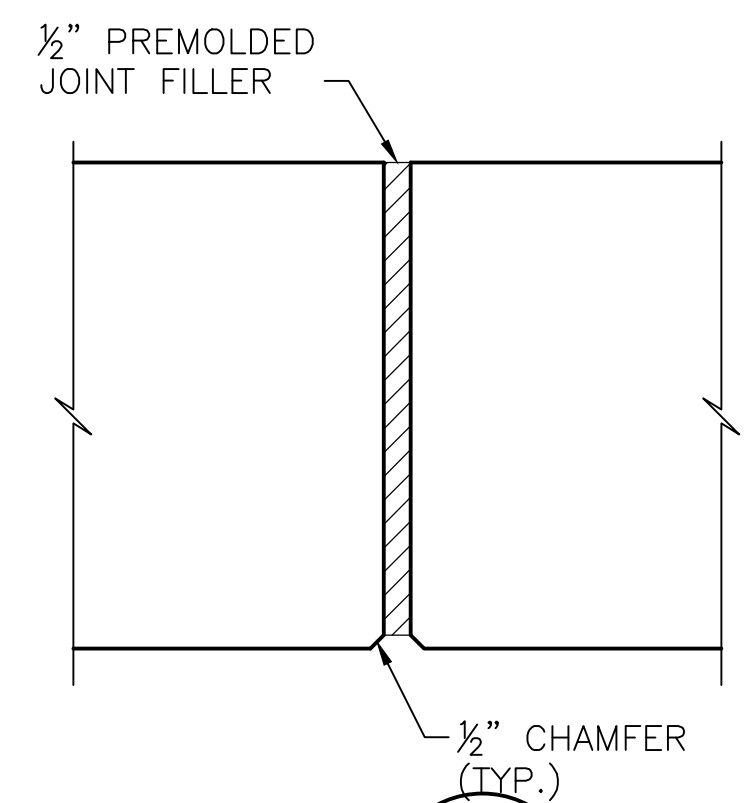
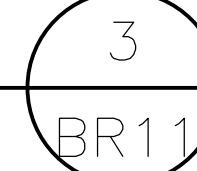
EAST SIDE SHOWN, WEST SIDE SIMILAR



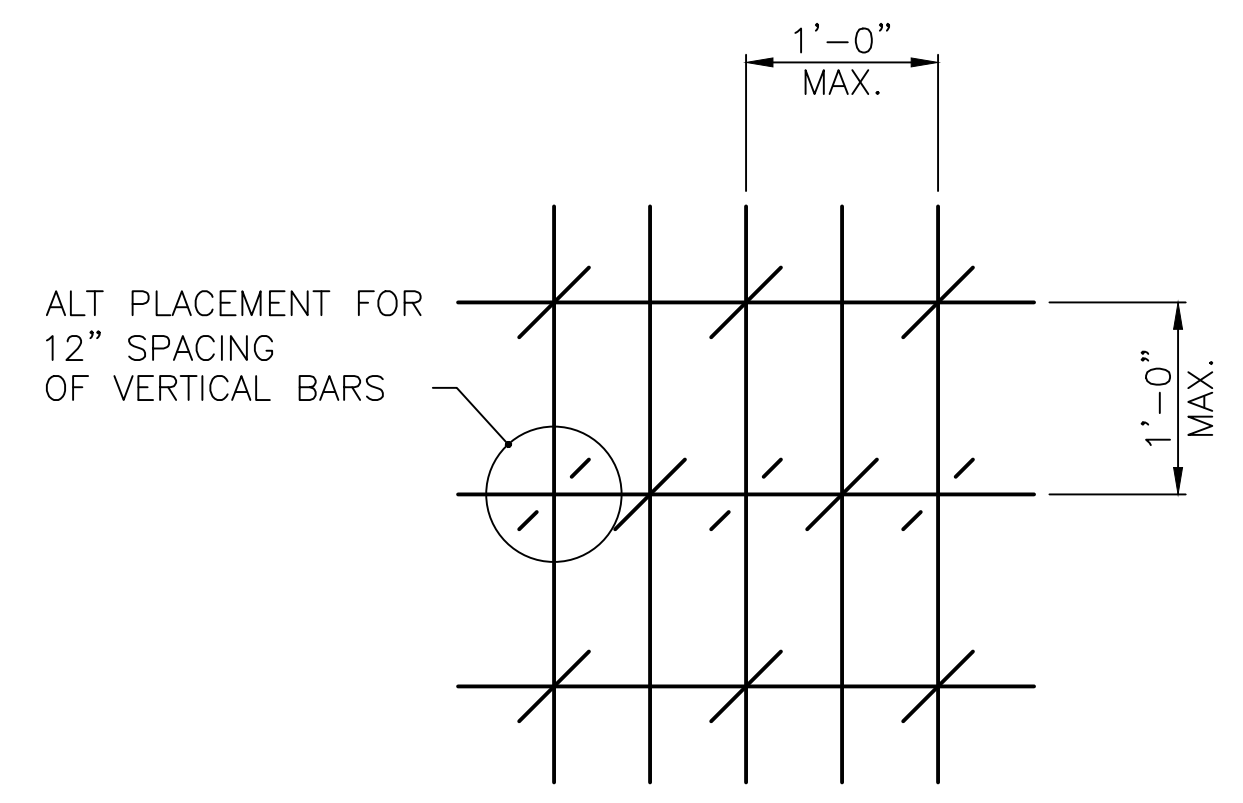
ABUTMENT TIE BAR SPACING DETAIL



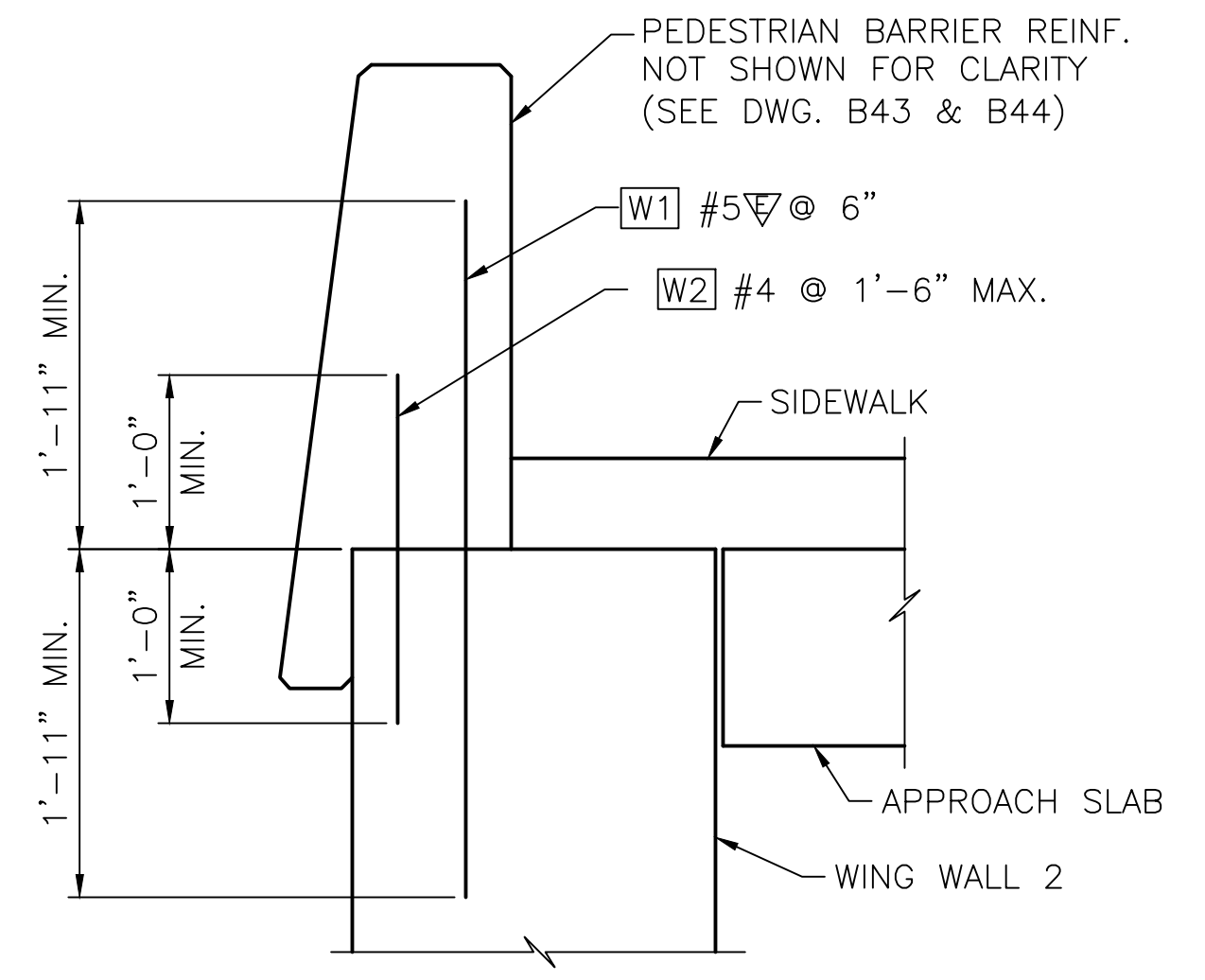
DETAIL 3



DETAIL 4



WING WALL TIE BAR SPACING DETAIL



DETAIL 5



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May 04, 2023 - 12:20pm adharper l:seaw0\jpas6024\CADD\SDS01\Drawings\STRUC\20100156_BR12.dwg Layout Name: Pier 1 Walls

No.	Date	Revision	By	Appr.

HNTB
HNTB Corporation
777 108th Avenue NE
Suite 1000
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PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
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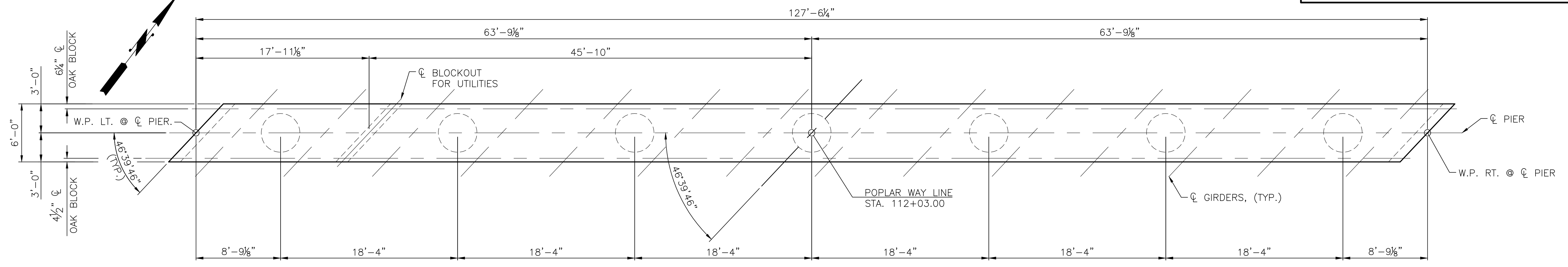


Drawn By	Date	SCALE
ADH	4/3/23	Horiz N/A
Designed By		Vert N/A
DF	4/3/23	
Checked By		
EBB	4/3/23	
Approved By		Project Number 20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PIER 1 DETAILS

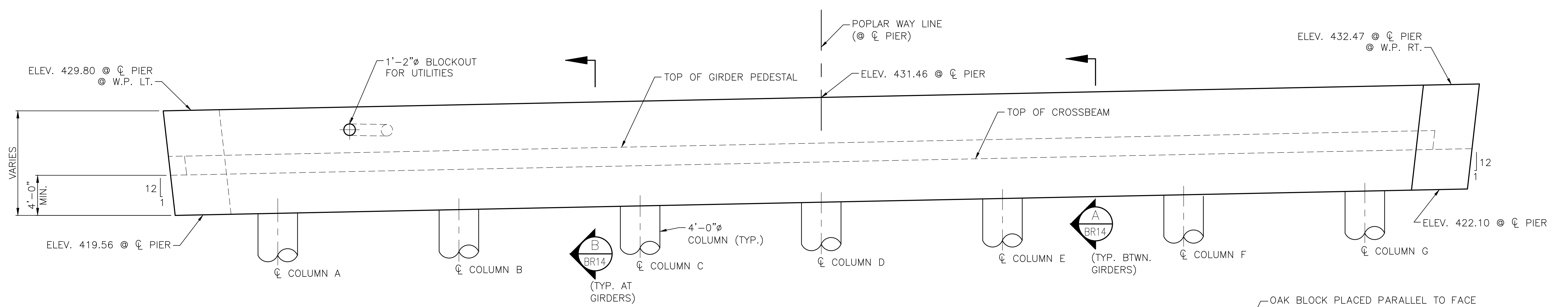
Drawing No. **BR12**
Sheet No.
of Total

C:\S\3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



PIER 2 - PLAN

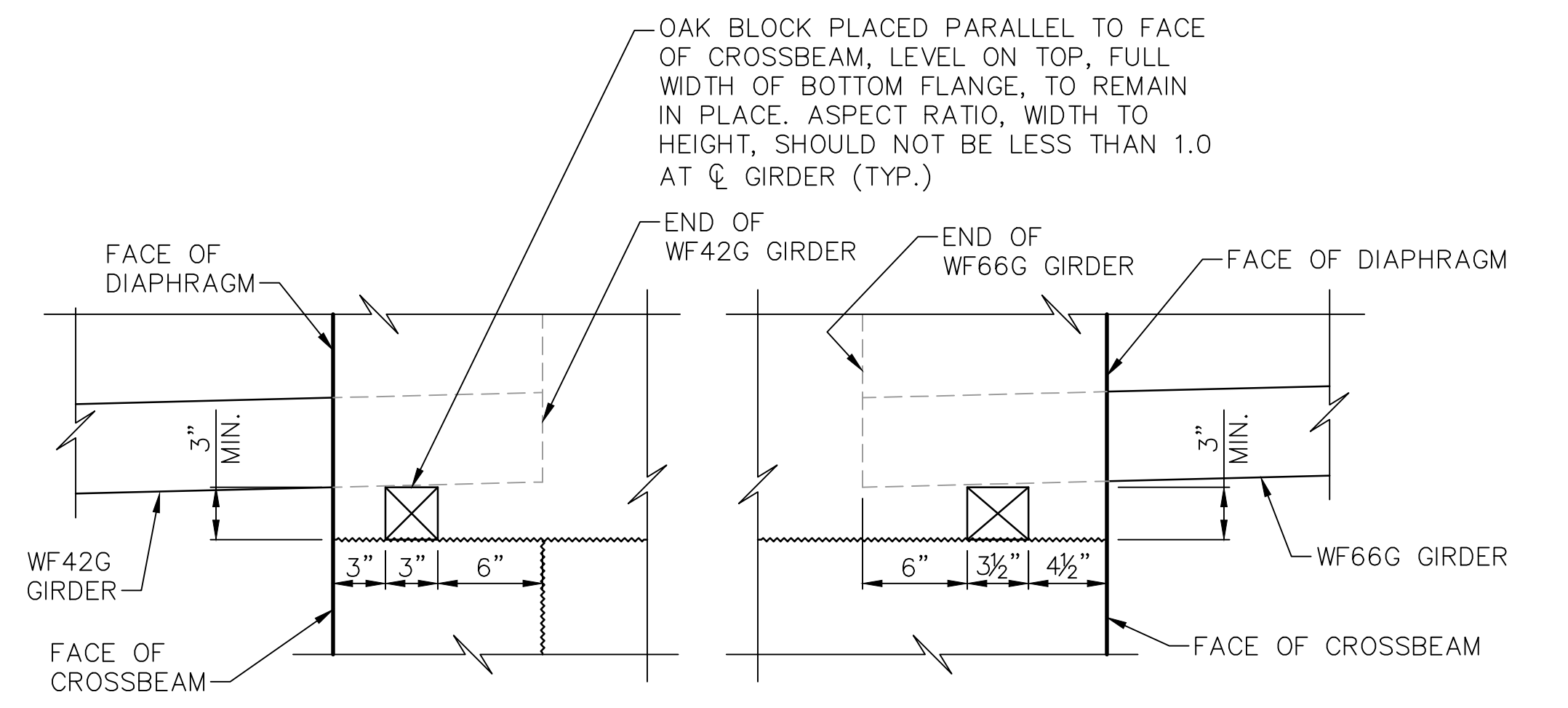
NOTE: SEE FRAMING PLAN FOR GIRDER SPACING.



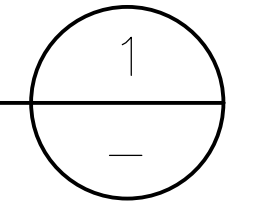
PIER 2 - ELEVATION

TOP OF OAK BLOCK ELEVATIONS

	GIRDER A	GIRDER B	GIRDER C	GIRDER D	GIRDER E	GIRDER F	GIRDER G	GIRDER H	GIRDER I	GIRDER J	GIRDER K	GIRDER L	GIRDER M	GIRDER N
NORTH SIDE (WF66G)	423.92	424.18	424.43	424.67	424.90	425.11	425.31	425.49	425.66	425.82	425.96	426.09	426.21	426.31
SOUTH SIDE (WF42G)	425.02	425.30	425.57	425.82	426.06	426.29	426.50	426.70	426.88	427.06	427.21	427.36	427.49	427.61



OAK BLOCK DETAIL



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May 04, 2023 - 12:20pm adharper \\seaw01\jbs16\024\CADD\DS01\Drawings\STRUC\0100166_BR13.dwg Layout Name: Piers 2 Plan & Elevations

No.	Date	Revision	By	Appr.

HNTB
HNTB Corporation
777 108th Avenue NE
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PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
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LYNNWOOD
WASHINGTON



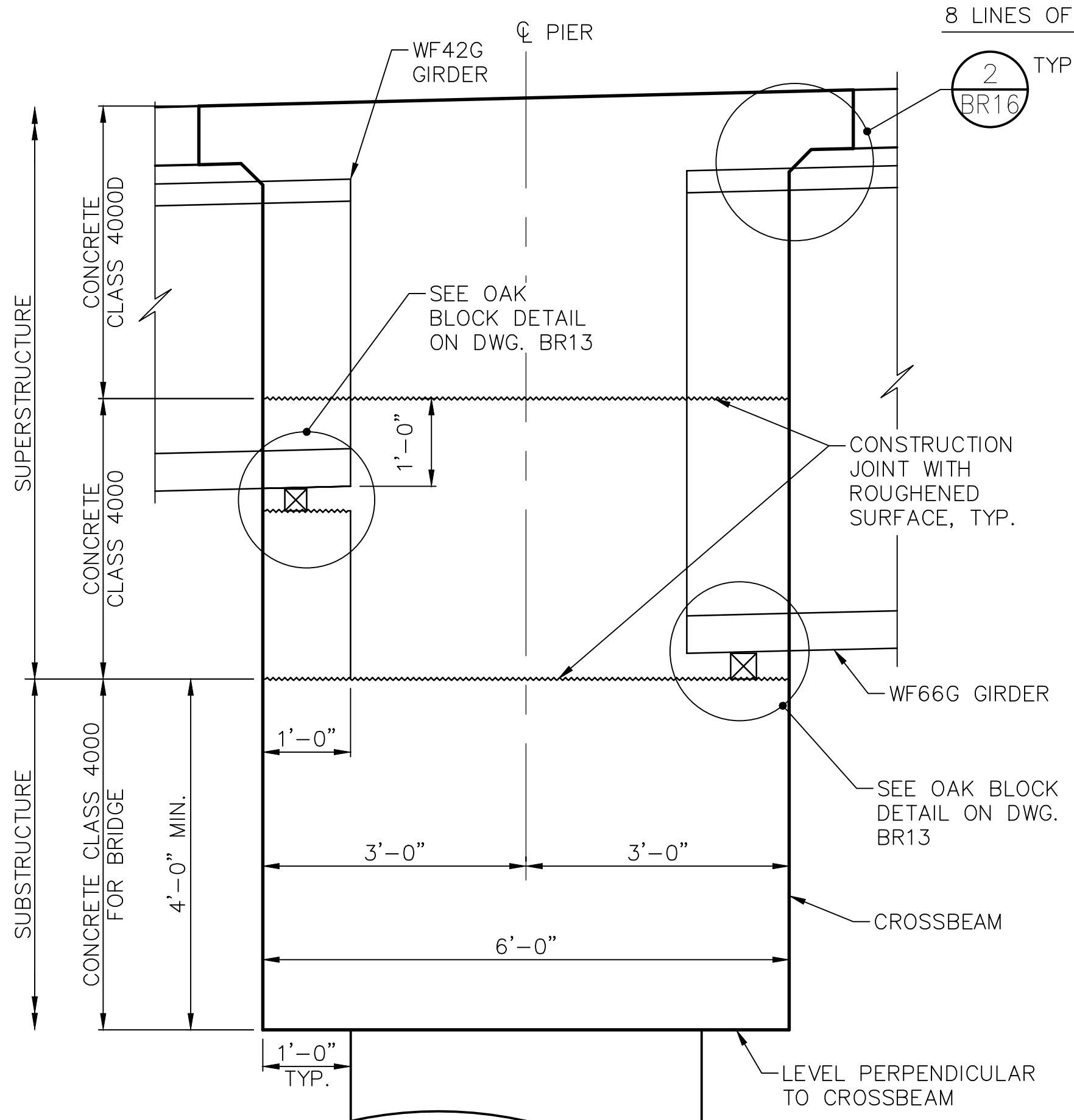
Drawn By	ADH	Date	4/3/23
Designed By	ADH	Checked By	EBB
Approved By	EBB	Date	4/3/23

SCALE	Horiz	N/A
	Vert	N/A
Project Number	20100156	

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PIER 2 PLAN & ELEVATION

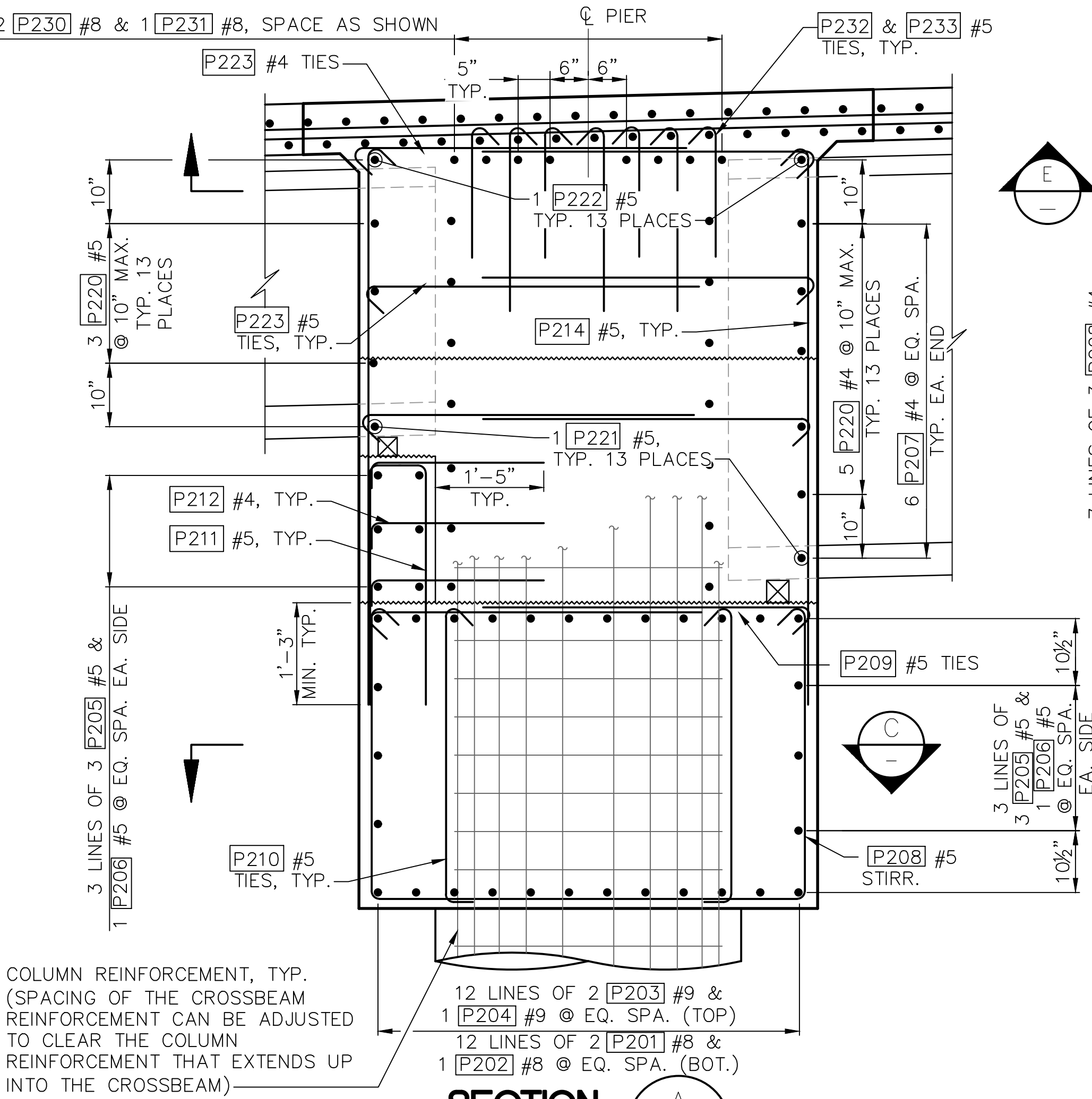
Drawing No.	BR13
Sheet No.	
of Total	

C:\S\3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE

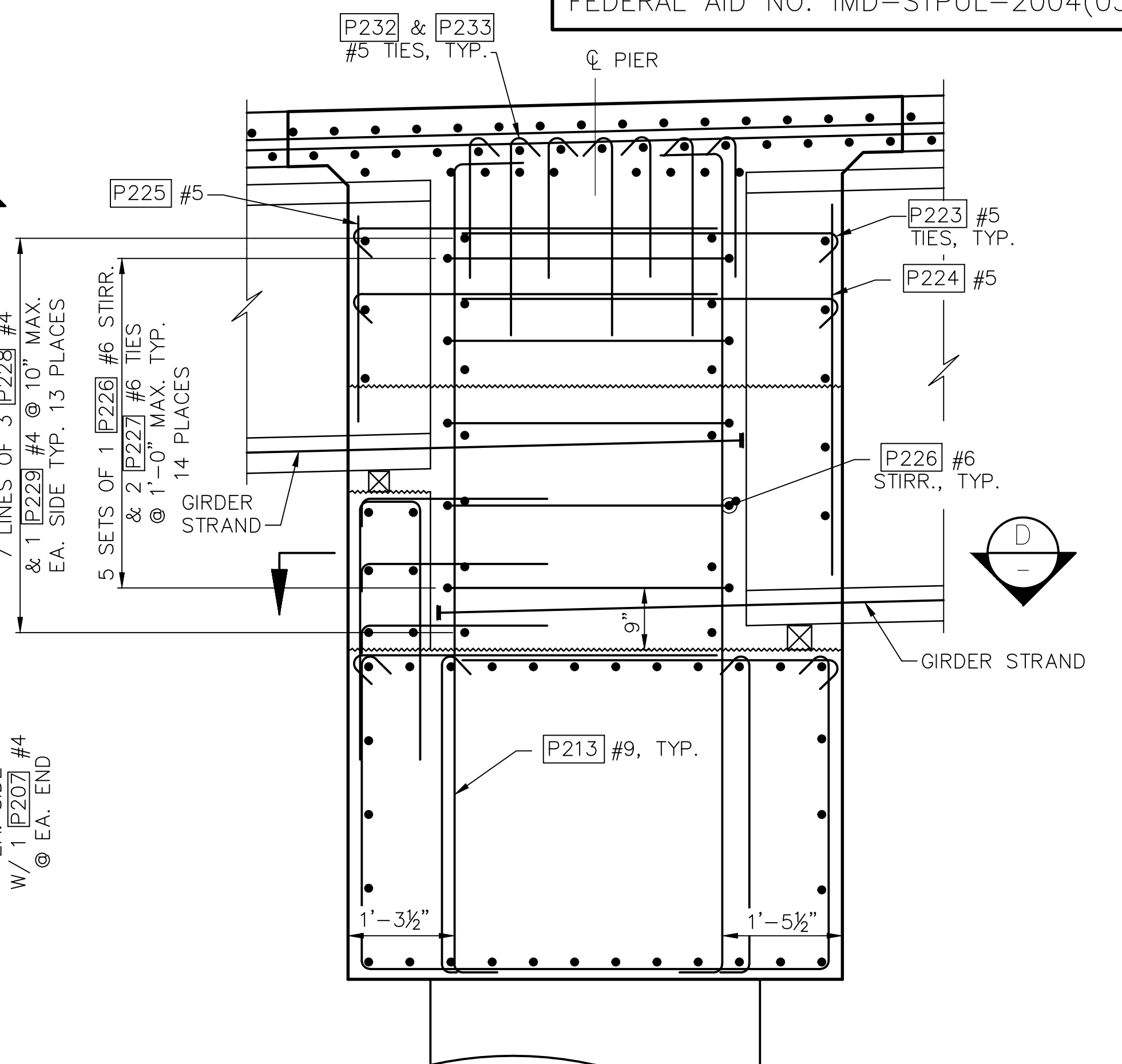


PIER 2 GEOMETRY

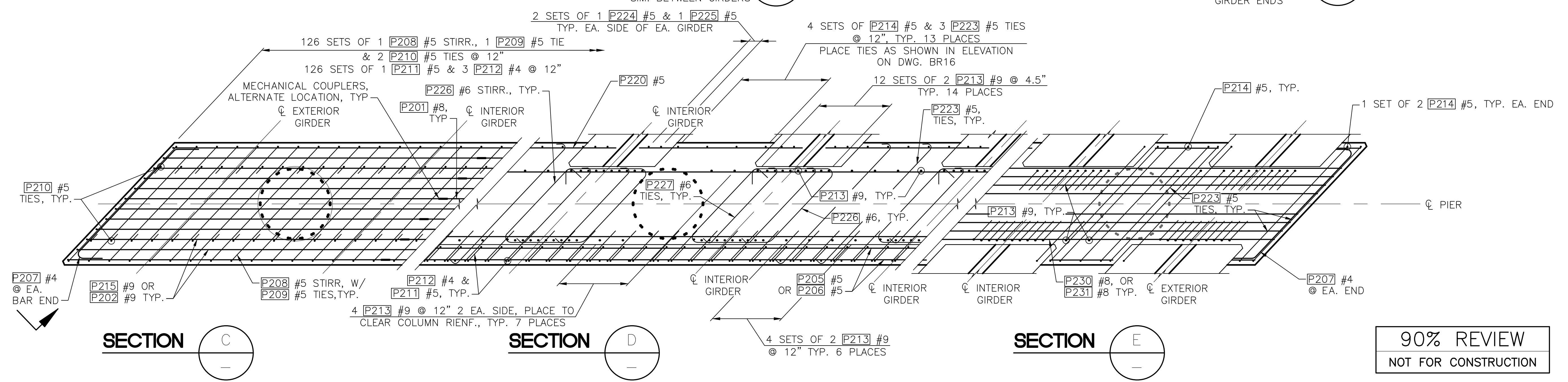
FOR NOTES AND TYPICAL ELEVATION, SEE DWG. BR16



SECTION A
TYPICAL AT COLUMN, SIM. BETWEEN GIRDERS



SECTION B
TYPICAL AT GIRDER ENDS



SECTION C

SECTION D

SECTION E

90% REVIEW
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May 04, 2023 - 12:20pm adharper l:\seaw0\jpas6024\CADD\SS01\Drawings\STRUCTURE\0100156_BR14.dwg Layout Name: Pier 2 Sections

No.	Date	Revision	By	Appr.

HNTB
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777 108th Avenue NE
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(425) 455-3555

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2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

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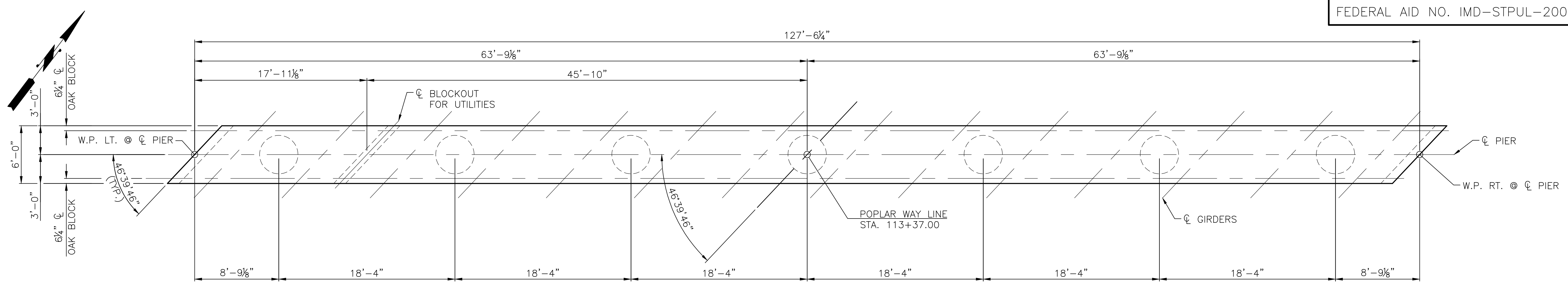


Drawn By	Date	SCALE
ADH	4/3/23	Horiz N/A
Designed By	4/3/23	Vert N/A
Checked By	4/3/23	Project Number 20100156
Approved By		

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PIER 2 SECTIONS

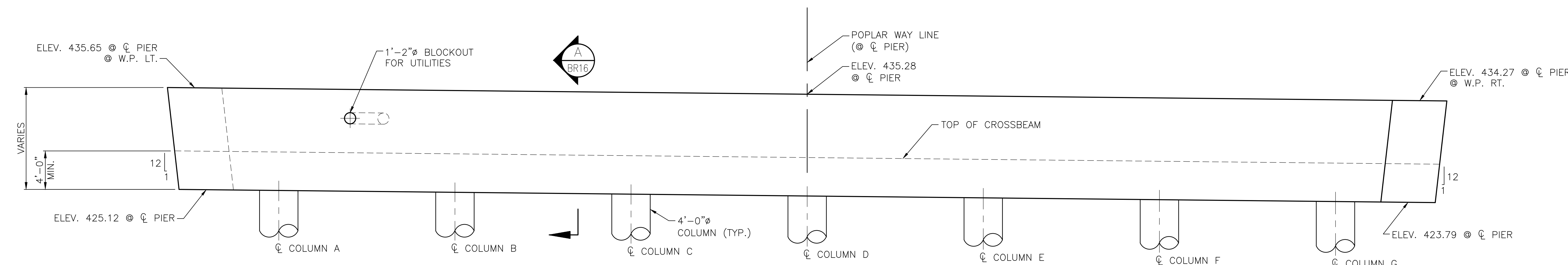
Drawing No.	BR14
Sheet No.	
of Total	

C:\S\3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



PIER 3 - PLAN

NOTE: SEE FRAMING PLAN FOR GIRDER SPACING.



PIER 3 - ELEVATION

TOP OF OAK BLOCK ELEVATIONS

	GIRDER A	GIRDER B	GIRDER C	GIRDER D	GIRDER E	GIRDER F	GIRDER G	GIRDER H	GIRDER I	GIRDER J	GIRDER K	GIRDER L	GIRDER M	GIRDER N
NORTH SIDE	429.47	429.45	429.41	429.36	429.29	429.22	429.12	429.02	428.90	428.77	428.62	428.46	428.28	428.10
SOUTH SIDE	429.34	429.33	429.31	429.27	429.22	429.16	429.08	428.99	428.88	428.76	428.63	428.49	428.33	428.15

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May 04, 2023 - 12:20pm adharper \\seaw01\jbs\6024\CADD\DS01\Drawings\STRUCTURE\0100156_BR15.dwg Layout Name: Pier 3 Plan & Elevation

No.	Date	Revision	By	Appr.

HNTB
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777 108th Avenue NE
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(425) 455-3555

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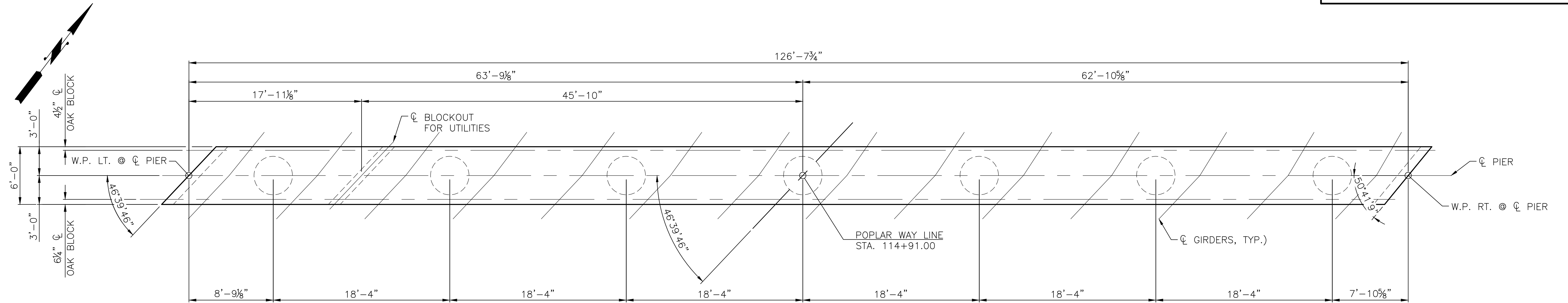


Drawn By	Date	SCALE
ADH	4/3/23	
Designed By		Horiz N/A
ART	4/3/23	Vert N/A
Checked By		N/A
EBB	4/3/23	Project Number 20100156
Approved By		

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PIER 3 PLAN & ELEVATION

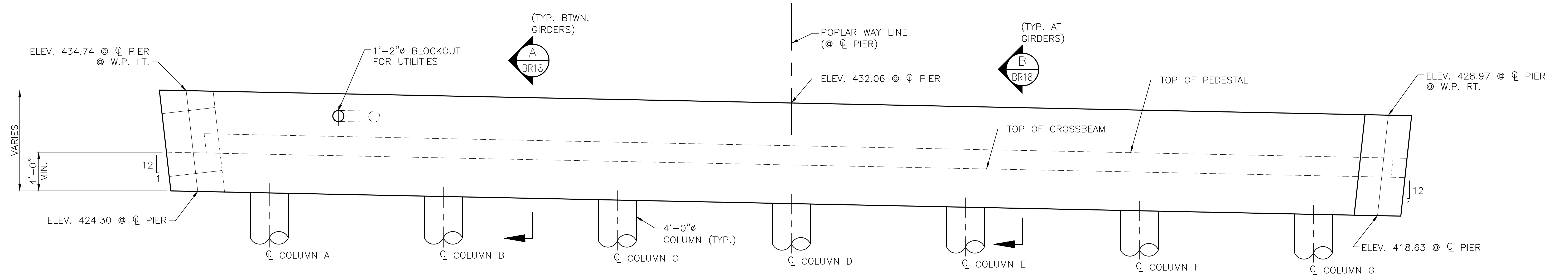
Drawing No.	BR15
Sheet No.	
of Total	

C:\S\3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



PIER 4 - PLAN

NOTE: SEE FRAMING PLAN FOR GIRDER SPACING.



PIER 4 - ELEVATION

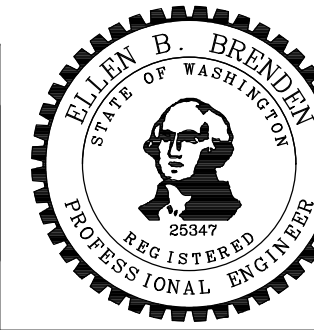
TOP OF OAK BLOCK ELEVATIONS

	GIRDER A	GIRDER B	GIRDER C	GIRDER D	GIRDER E	GIRDER F	GIRDER G	GIRDER H	GIRDER I	GIRDER J	GIRDER K	GIRDER L	GIRDER M	GIRDER N
NORTH SIDE (WF42G)	430.01	429.66	429.29	428.91	428.51	428.10	427.68	427.24	426.79	426.33	425.85	425.40	424.96	424.53
SOUTH SIDE (WF66G)	428.46	428.12	427.76	427.39	427.01	426.61	426.20	425.78	425.34	424.89	424.42	423.95	423.50	423.07

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May 04, 2023 - 12:21pm adharper \\seaw01\jbs6024\CADD\DS01\Drawings\STRUC\20100166_BR17.dwg Layout Name: Pier 4 Plan & Elevation

No.	Date	Revision	By	Appr.

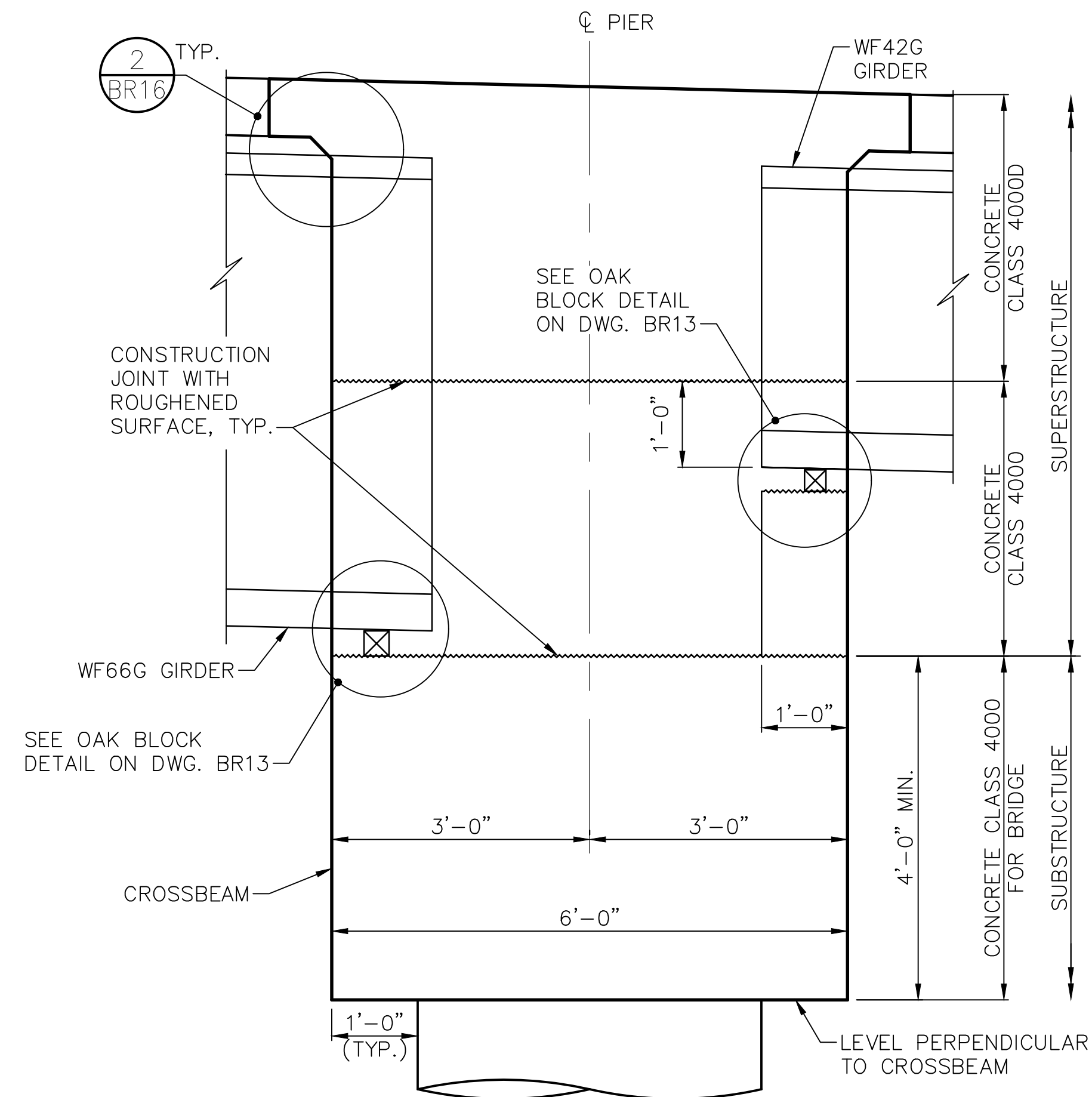


Drawn By	Date	SCALE
ADH	4/3/23	Horiz N/A
Designed By	4/3/23	Vert N/A
Checked By	4/3/23	N/A
Approved By	4/3/23	Project Number 20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PIER 4 PLAN & ELEVATION

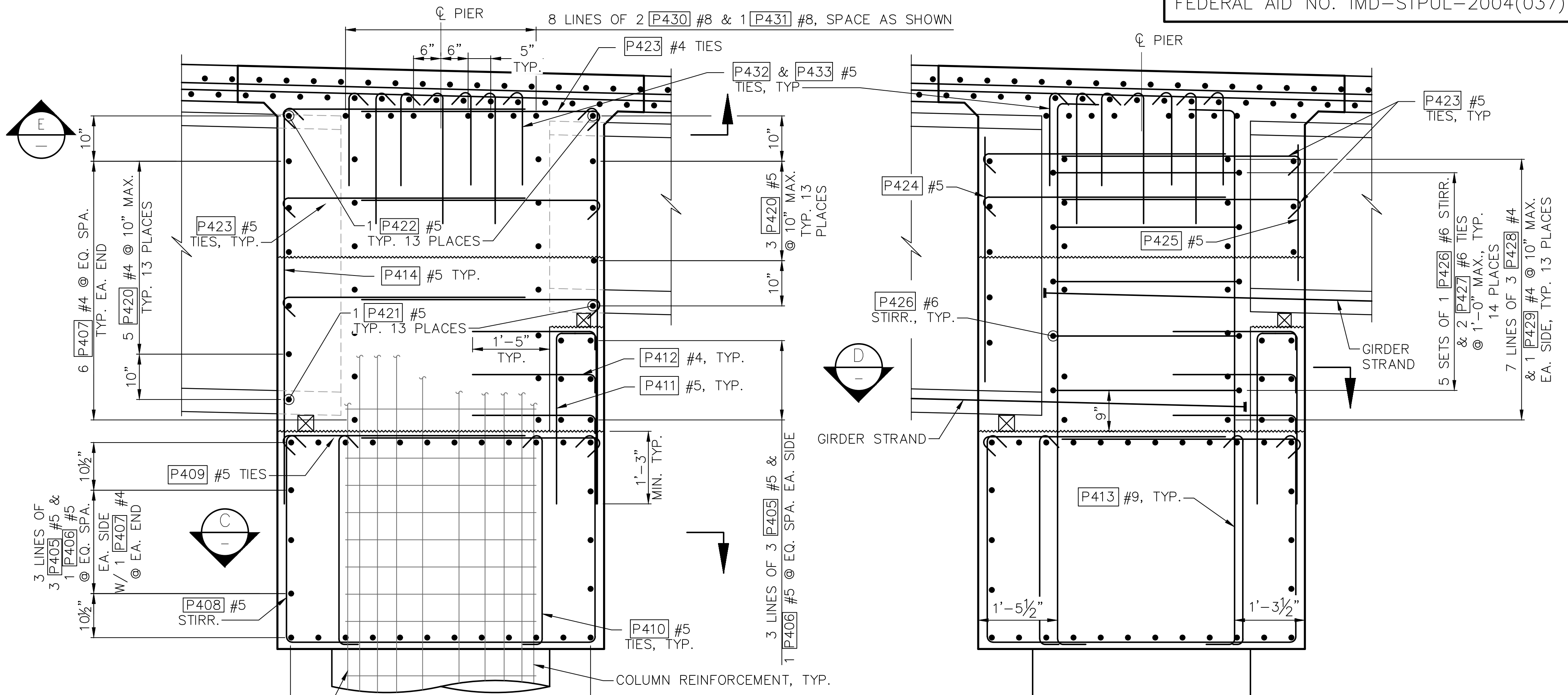
Drawing No.	BR17
Sheet No.	
of Total	

C:\S1\3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



PIER 4 GEOMETRY

FOR NOTES AND TYPICAL ELEVATION, SEE DWG. BR16

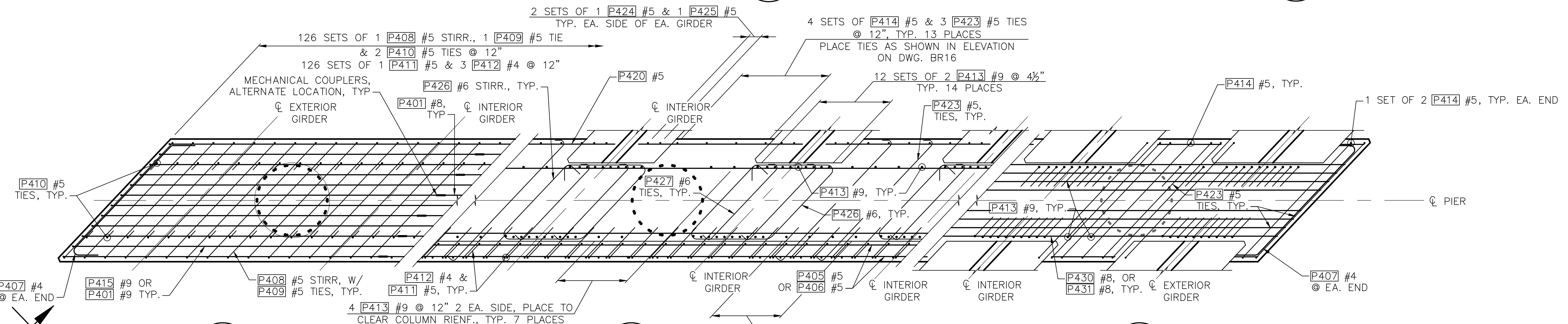


SECTION A

TYPICAL AT COLUMN, SIM. BETWEEN GIRDERS

SECTION B

TYPICAL AT GIRDER ENDS



SECTION C

SECTION D

SECTION E

90% REVIEW
NOT FOR CONSTRUCTION

May 08, 2023 - 2:13pm a:tharper: l:asaw001:0024:CAD:DDDS001D:Drawings:STRUC:20100156: BR18.dwg Layout Name: Pier 4 Sections

No.	Date	Revision	By	Appr.

HNTB
HNTB Corporation
777 108th Avenue NE
Suite 1000
Bellevue, WA 98004
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PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
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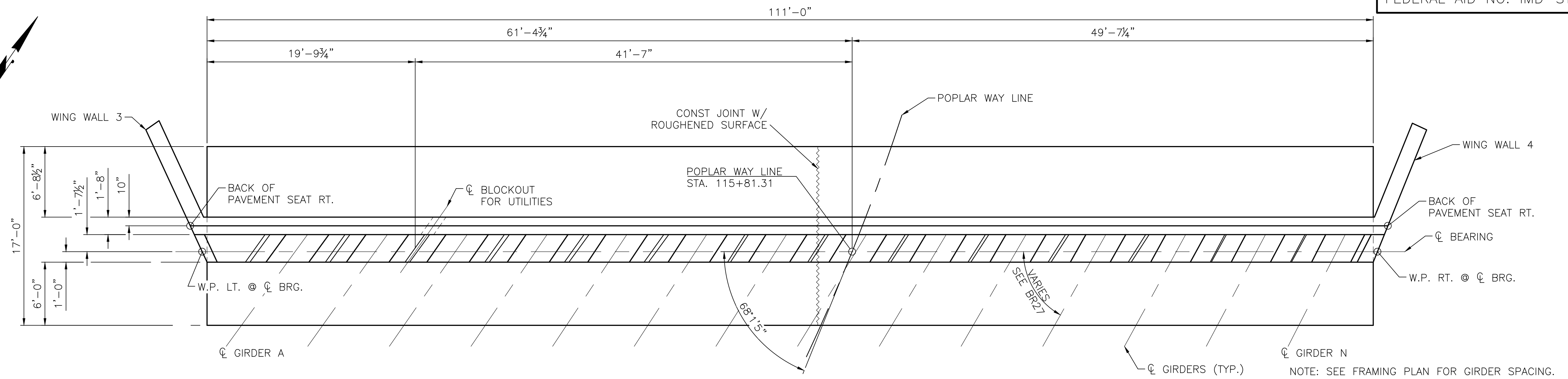


Drawn By	Date	SCALE
ADH	4/3/23	Horiz N/A
Designed By	4/3/23	Vert N/A
Checked By	4/3/23	Project Number
Approved By		20100156

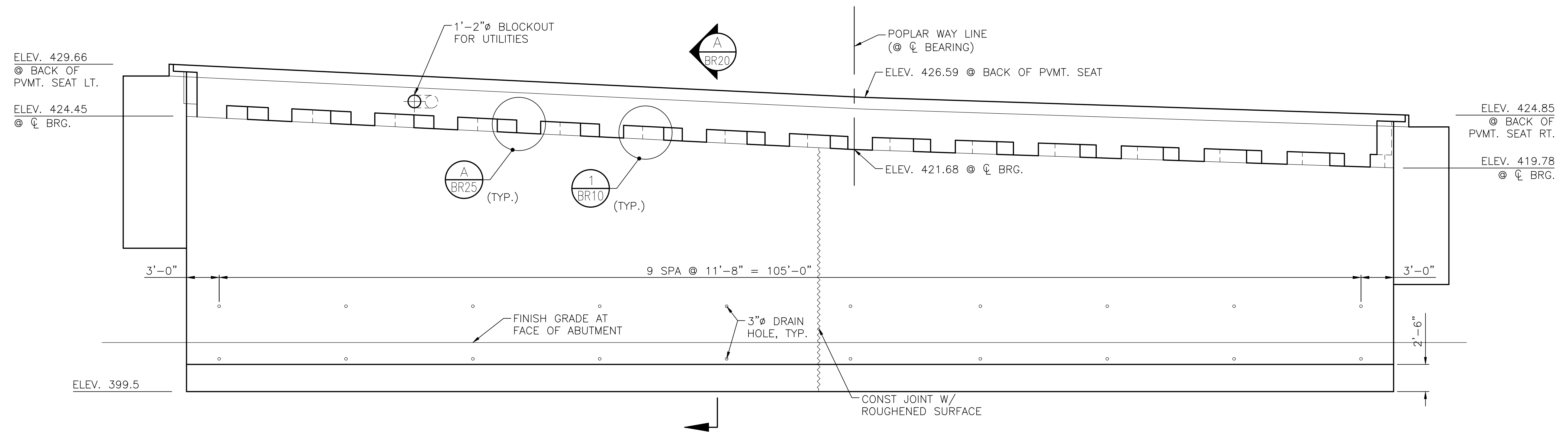
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PIER 4 SECTIONS

Drawing No.
BR18
Sheet No.
of Total

CITY OF LYNNWOOD ~ PROJ. NO. TA2797 ~ NORTHWEST REGION ~ 1-5 ~ MP 181.62 ~ POPLAR WAY EXTENSION BRIDGE



PIER 5 - PLAN



PIER 5 - ELEVATION

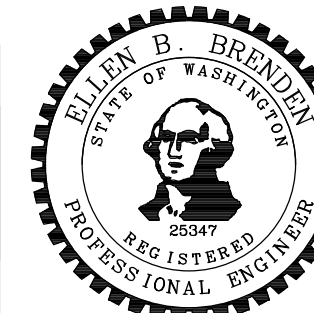
TOP OF GROUT PAD ELEVATIONS

GIRDER A	GIRDER B	GIRDER C	GIRDER D	GIRDER E	GIRDER F	GIRDER G	GIRDER H	GIRDER I	GIRDER J	GIRDER K	GIRDER L	GIRDER M	GIRDER N
424.28	423.85	423.44	423.05	422.68	422.33	422.00	421.69	421.40	421.12	420.84	420.58	420.33	420.08

90% REVIEW
NOT FOR CONSTRUCTION

May 04, 2023 - 12:21pm adharper \\seaw01\p616024\ADD\DS001\Drawings\STRUCTURE\0100156_BR19.dwg Layout Name: Pier 5 Plan and Elevation

No.	Date	Revision	By	Appr.

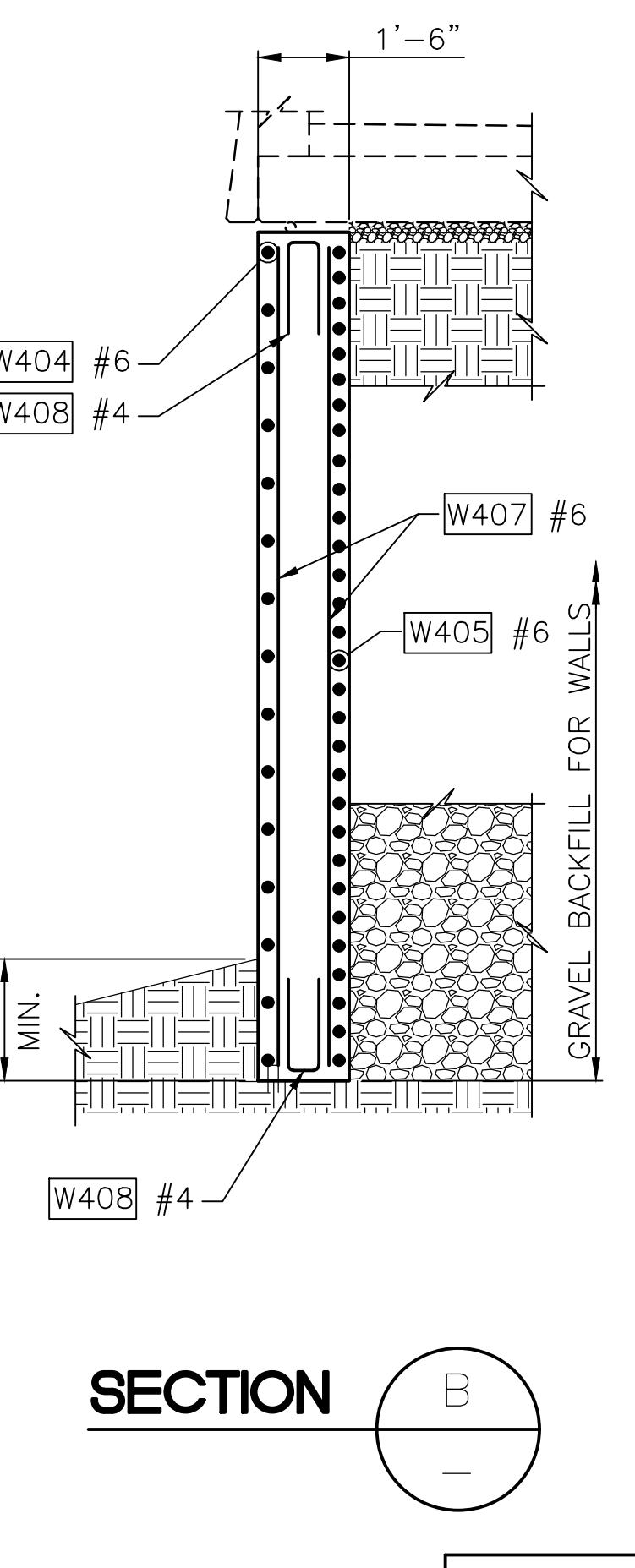
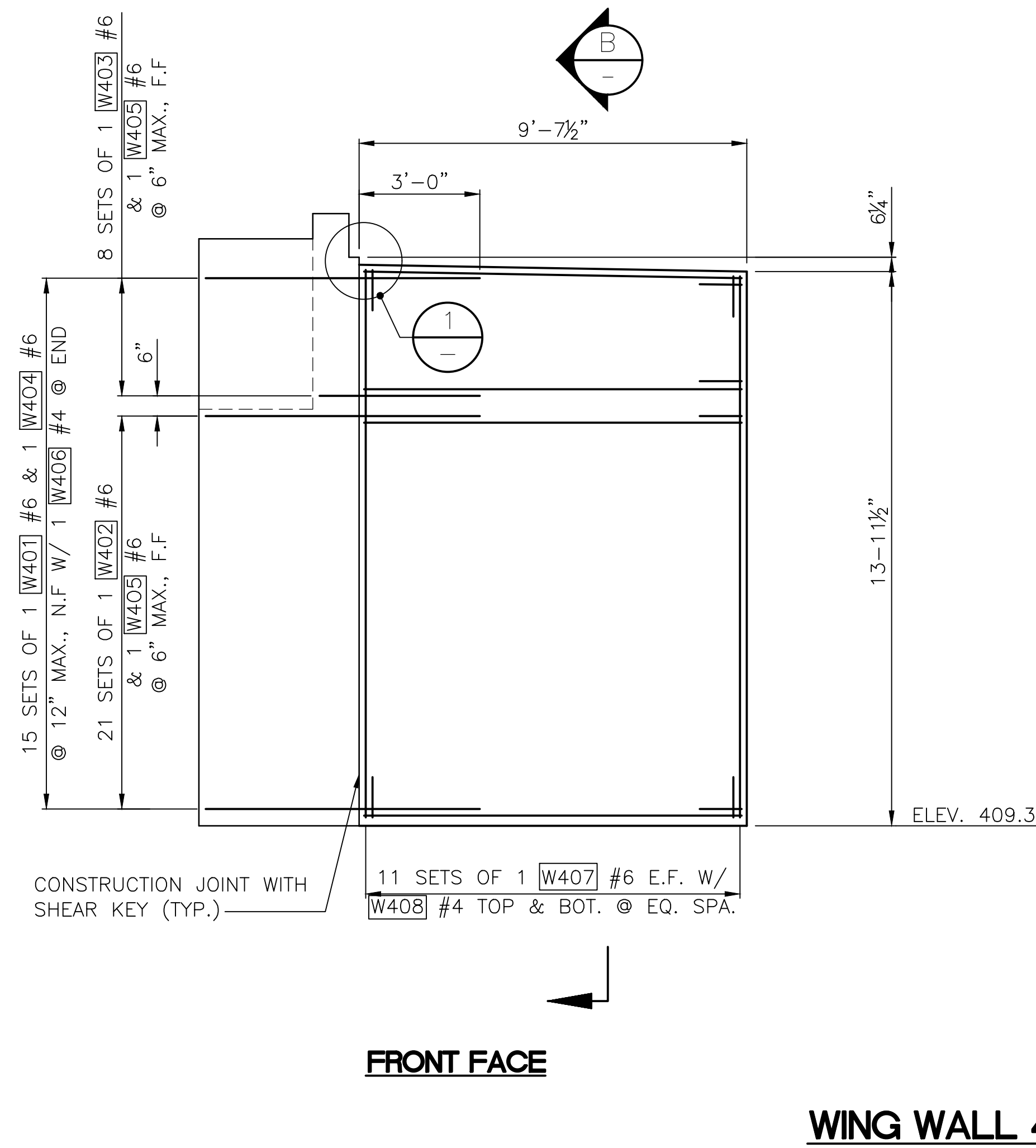
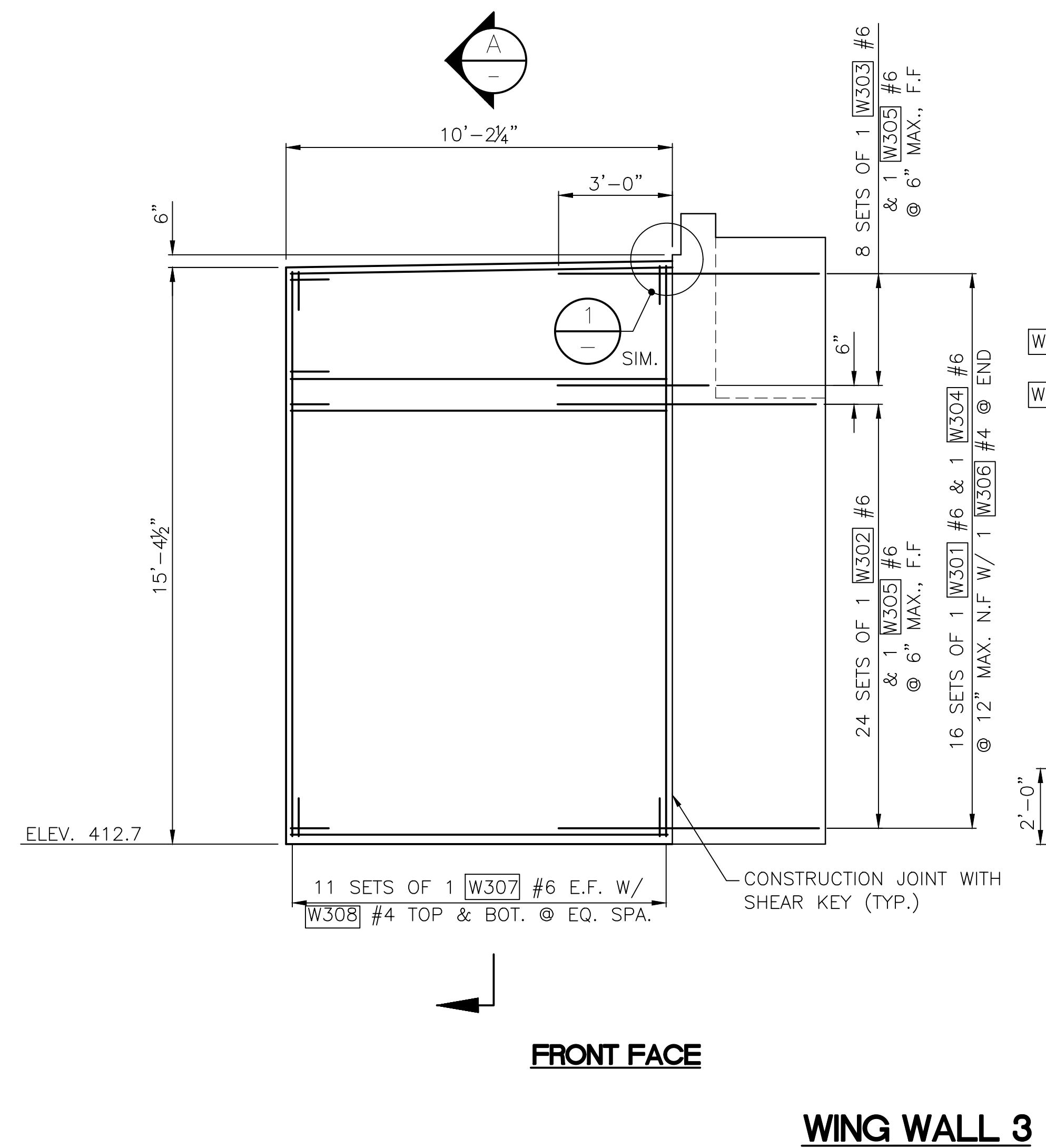
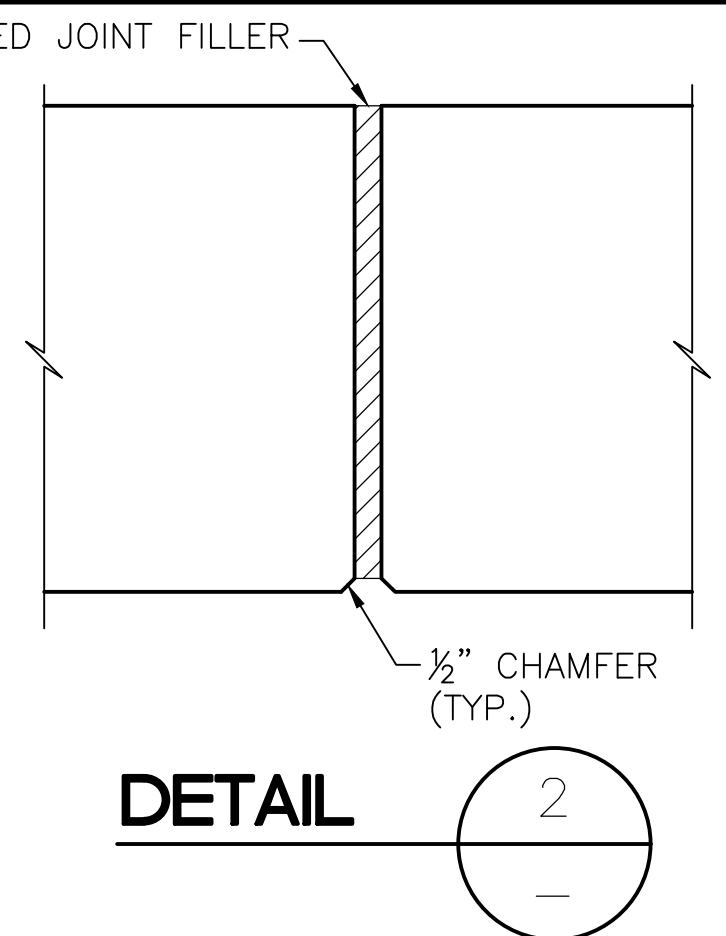
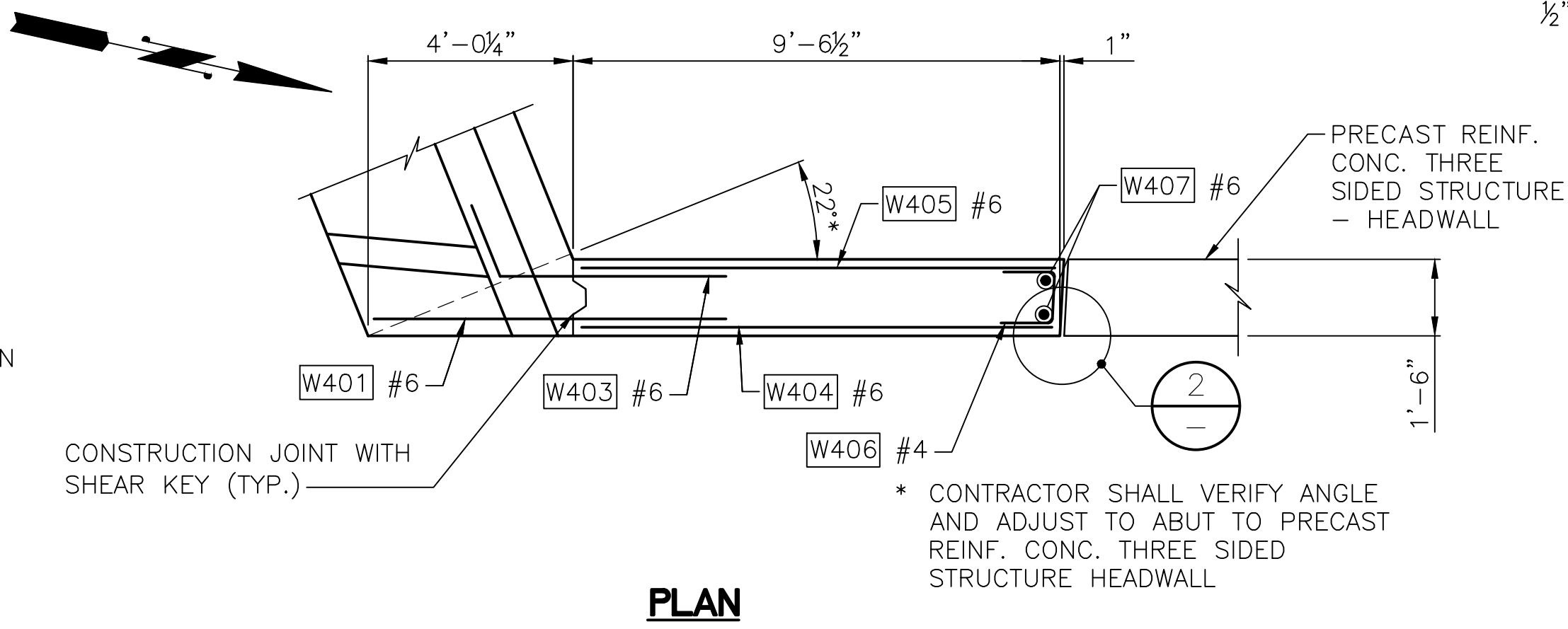
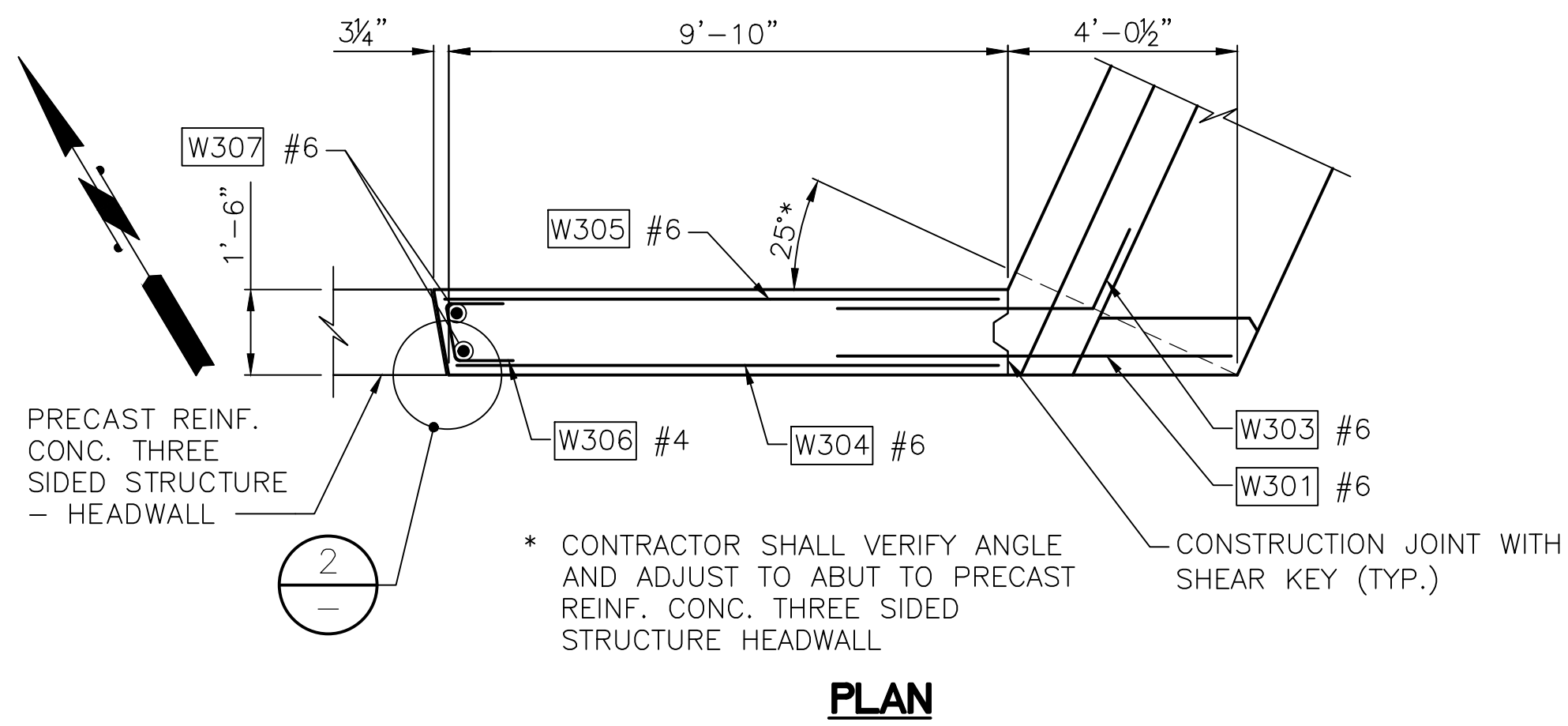


Drawn By	Date	SCALE
ADH	4/3/23	
Designed By		Horiz
DF	4/3/23	N/A
Checked By		Vert
EBB	4/3/23	N/A
Approved By		Project Number
		20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PIER 5 PLAN & ELEVATION

Drawing No.
BR19
Sheet No.

C:\S\3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



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May 04, 2023 - 12:21pm adharper \\seaw01\jbs6024\CADD\DS01\Drawings\STRUCT\0100166_BR21.dwg Layout Name: Pier 5 Walls

No.	Date	Revision	By	Appr.

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LYNNWOOD
WASHINGTON

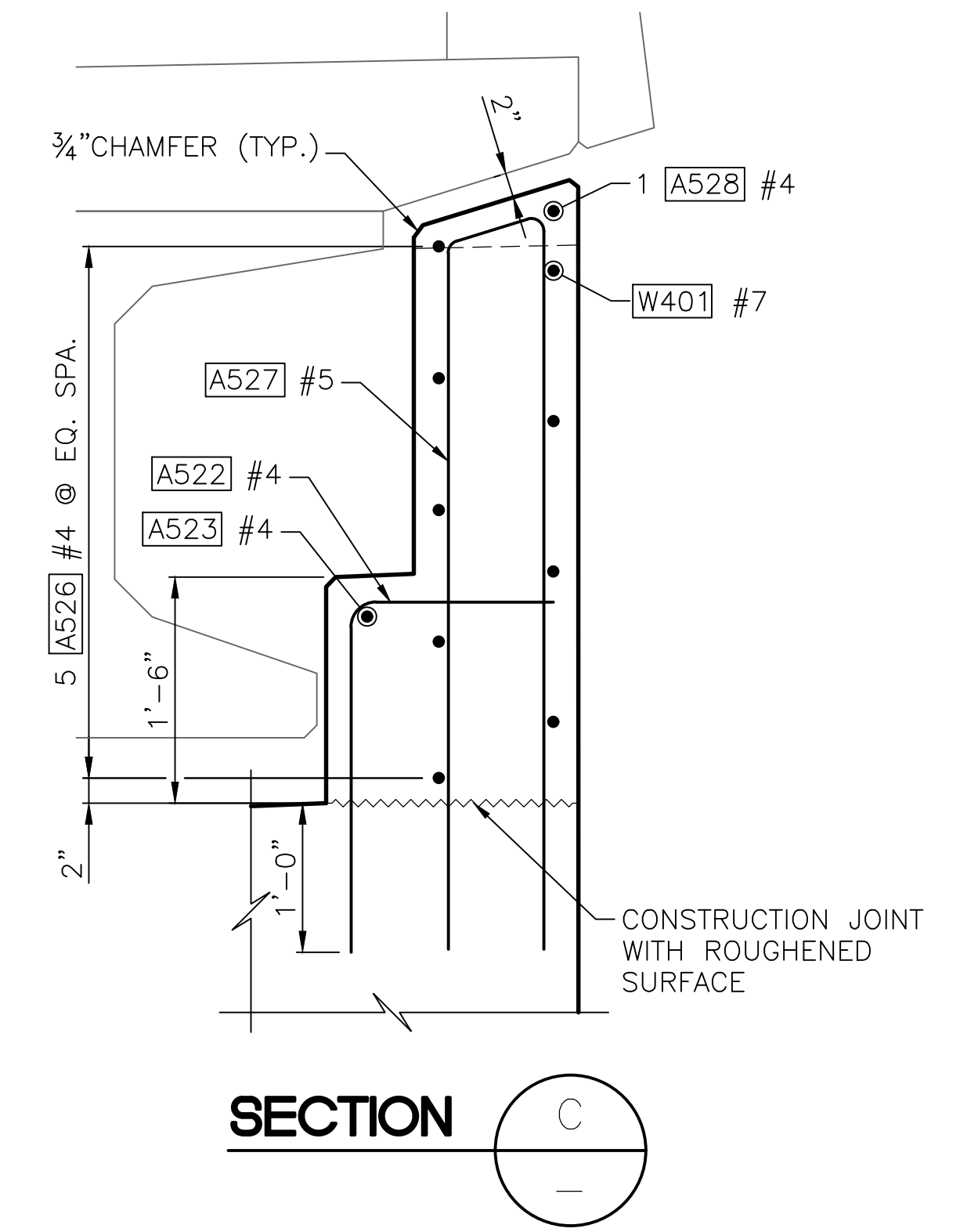
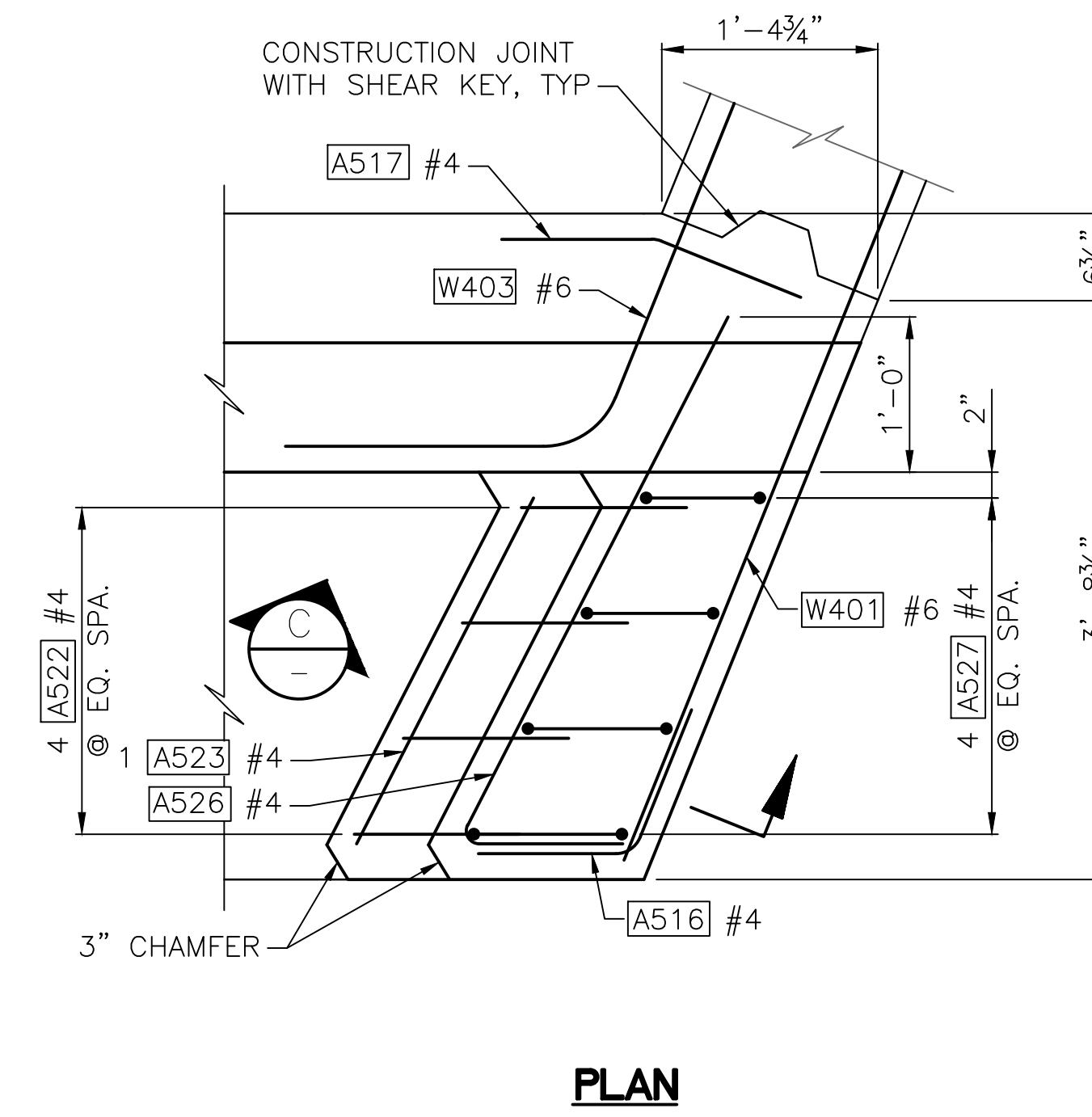
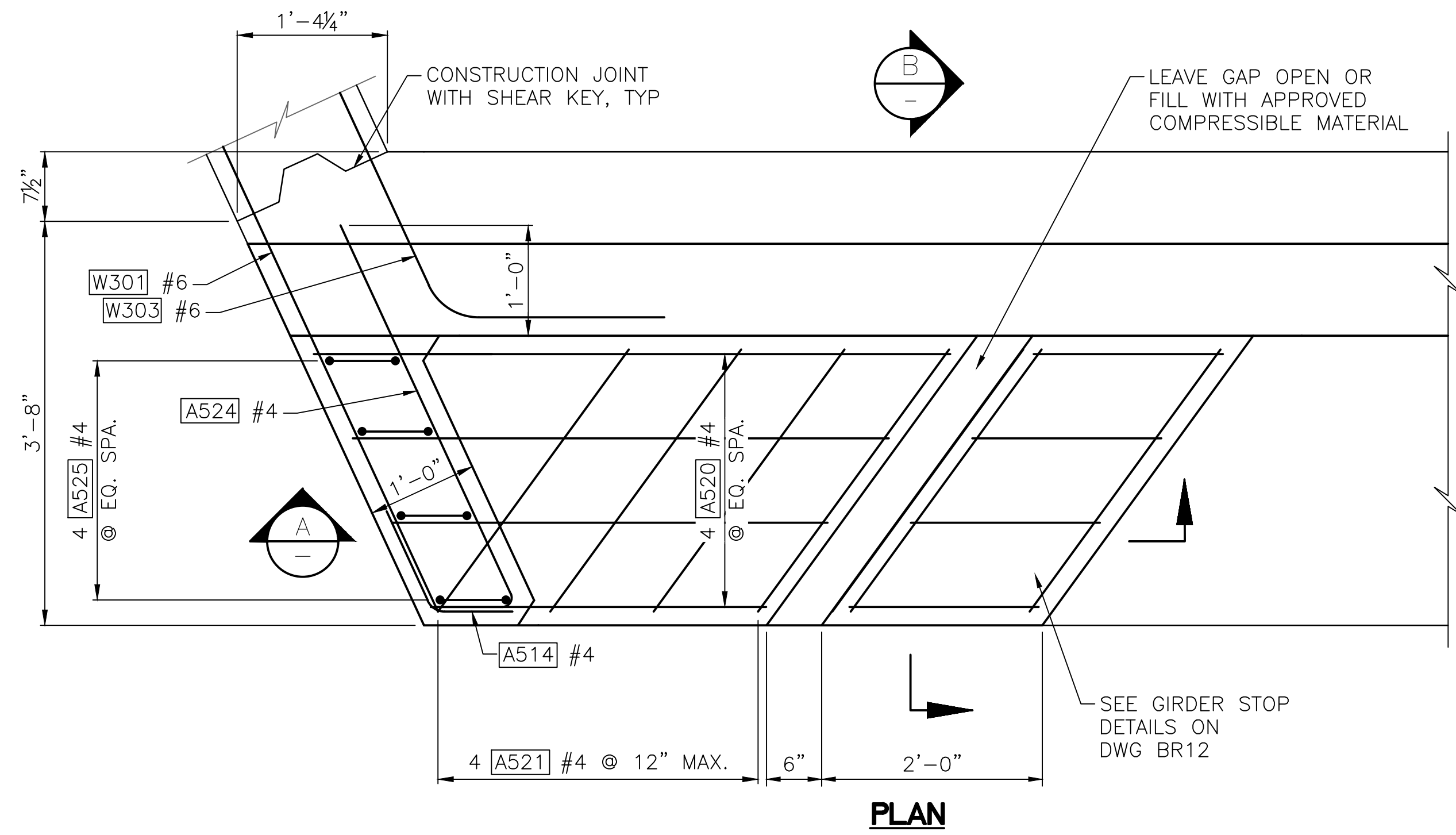


Drawn By	Date	SCALE
ADH	4/3/23	Horiz N/A
Designed By	4/3/23	Vert N/A
Checked By	4/3/23	Project Number 20100156
Approved By	4/3/23	

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PIER 5 WING WALLS

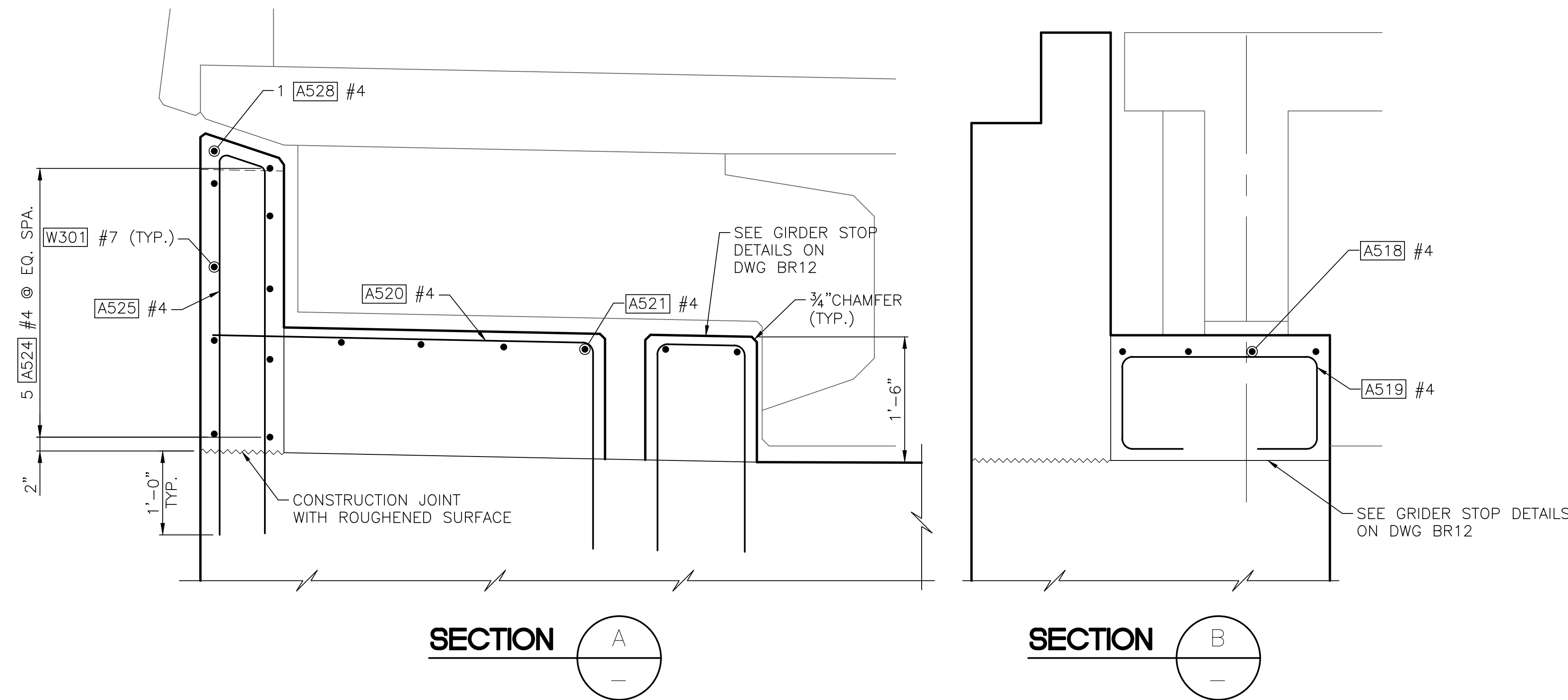
Drawing No. **BR21**
Sheet No. _____
of Total _____

C:\S\3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ 1-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



SIDEWALL DETAIL

2
BR20



SIDEWALL DETAIL

1
BR20

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May 04, 2023 - 12:21pm adharper \\seaw01\p016\024\CADD\DS001\Drawings\STRUCT\0100156_BR22.dwg Layout Name: Pier 1 Walls

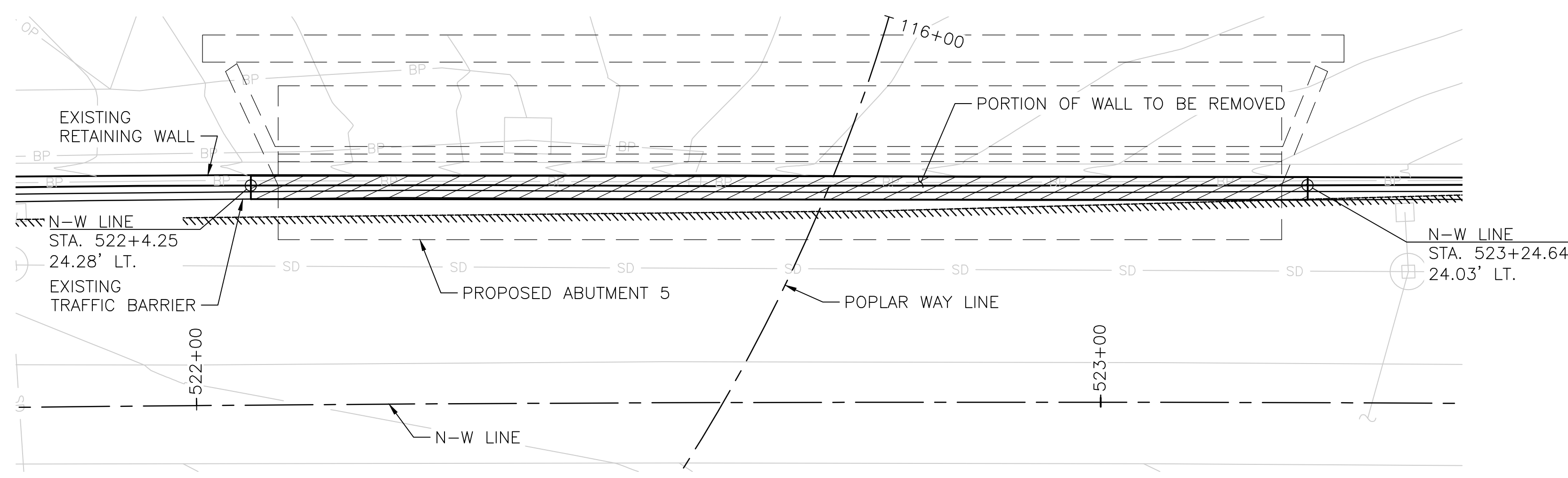
No.	Date	Revision	By	Appr.



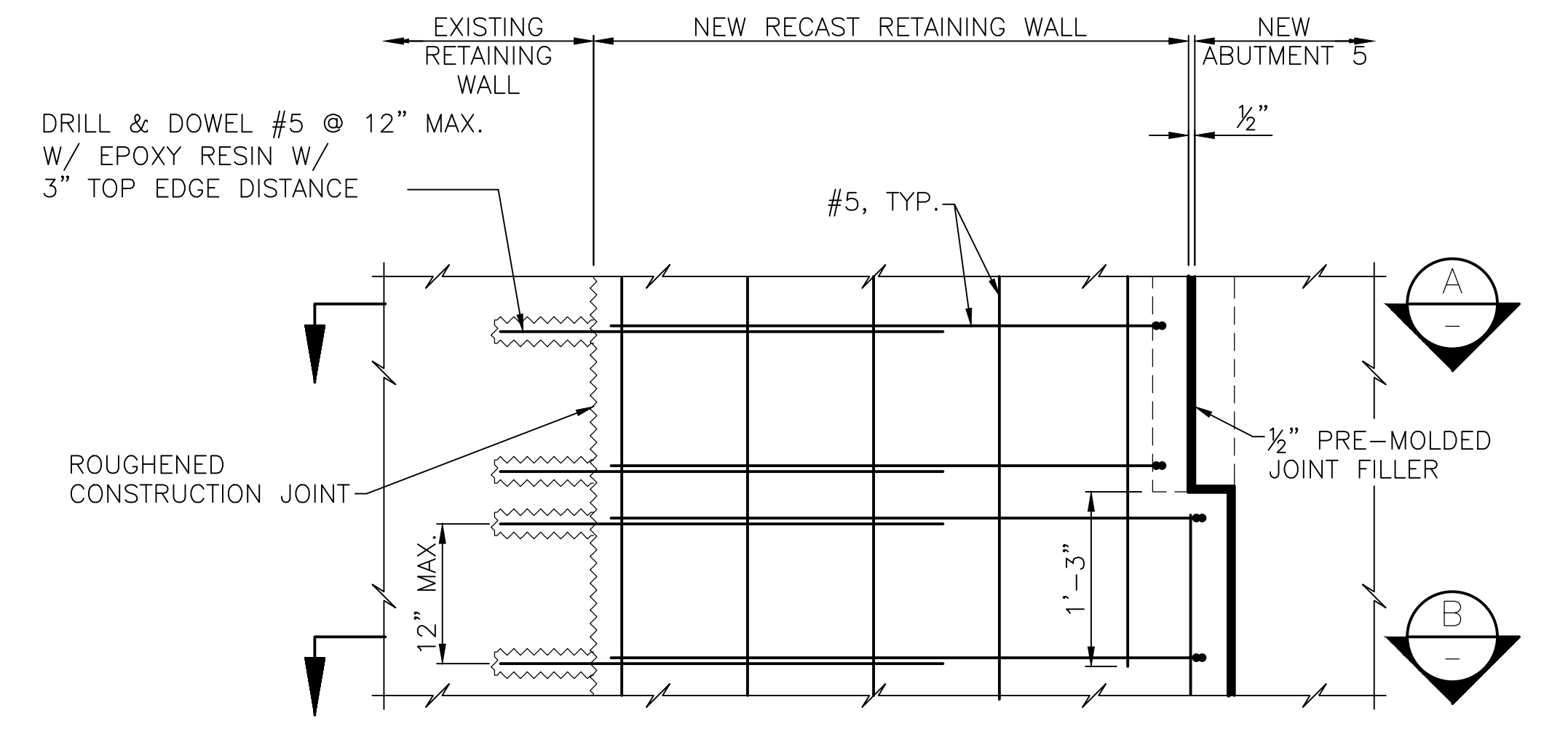
Drawn By	Date	SCALE
ADH	4/3/23	Horiz N/A
Designed By		Vert N/A
DF	4/3/23	
Checked By		
EBB	4/3/23	
Approved By		Project Number 20100156

CITY OF LYNNWOOD		Drawing No.
POPLAR WAY EXTENSION BRIDGE		BR22
PIER 5 DETAILS		Sheet No.
		of Total

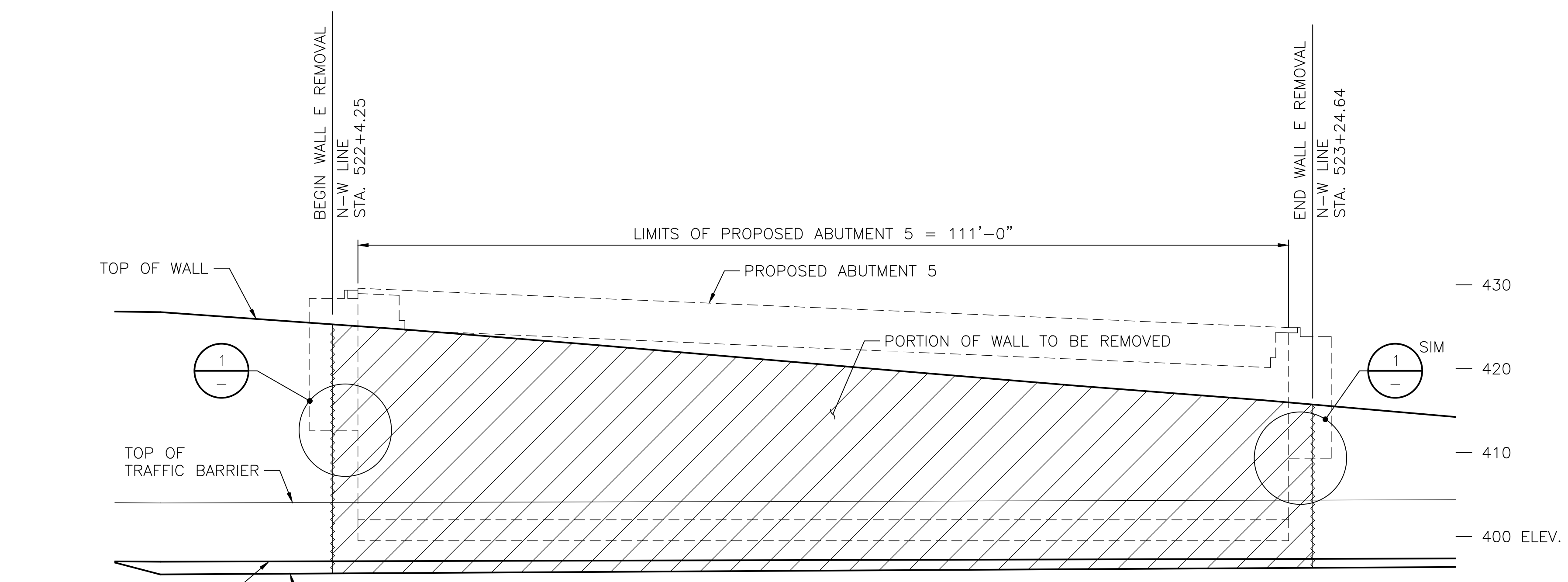
C:\S\3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



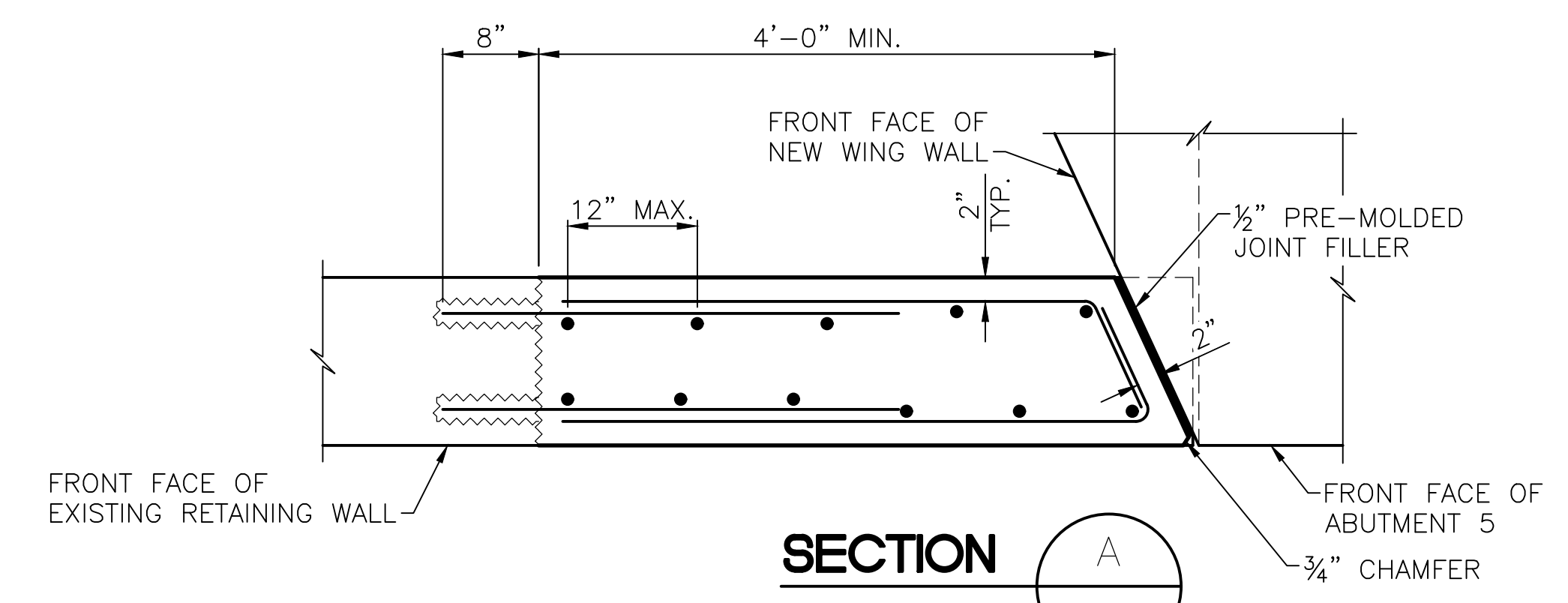
PLAN EXISTING WALL E



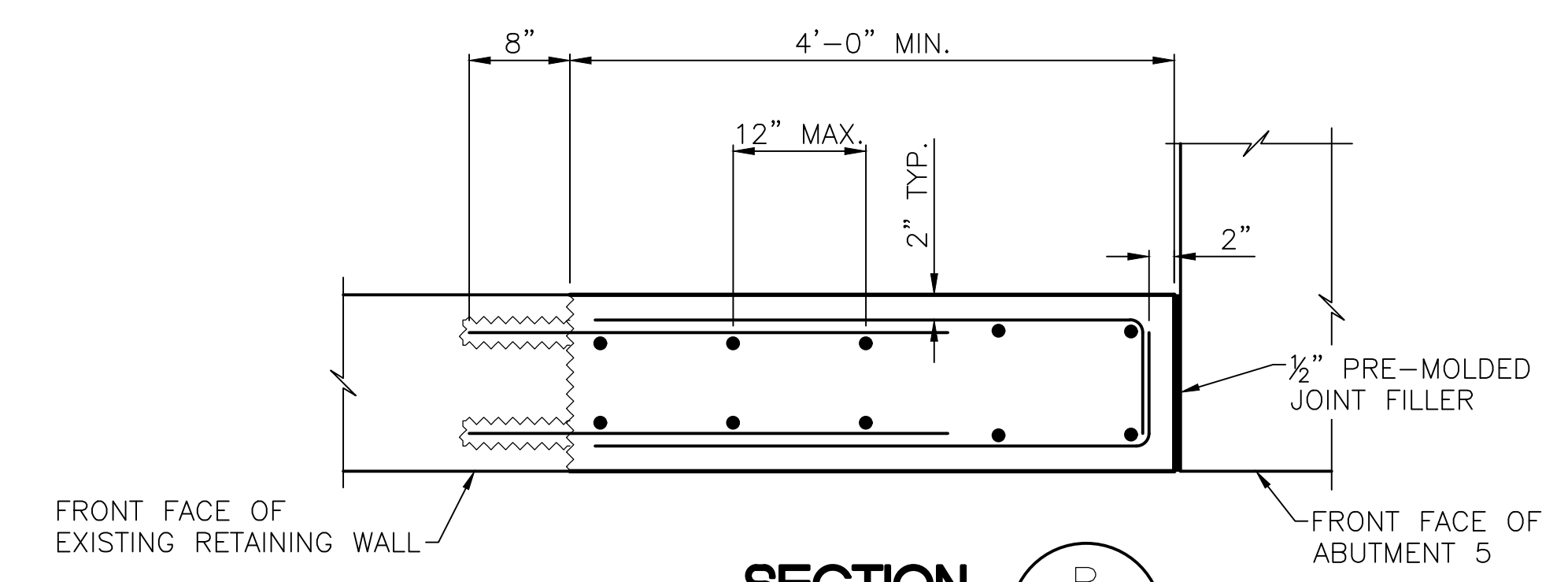
DETAIL 1



ELEVATION EXISTING WALL E



SECTION A



SECTION B

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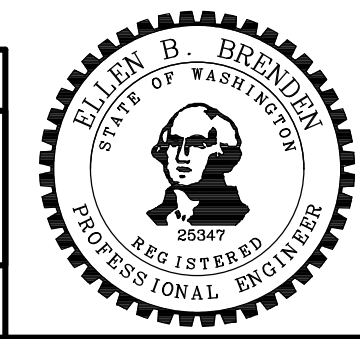
May 04, 2023 - 12:21pm adharper \\seaw01\pjs6\024\CADD\DS001\Drawings\STRUCT\UC0100166_BR23.dwg Layout Name: Wall removal

No.	Date	Revision	By	Appr.

HNTB
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LYNNWOOD WASHINGTON

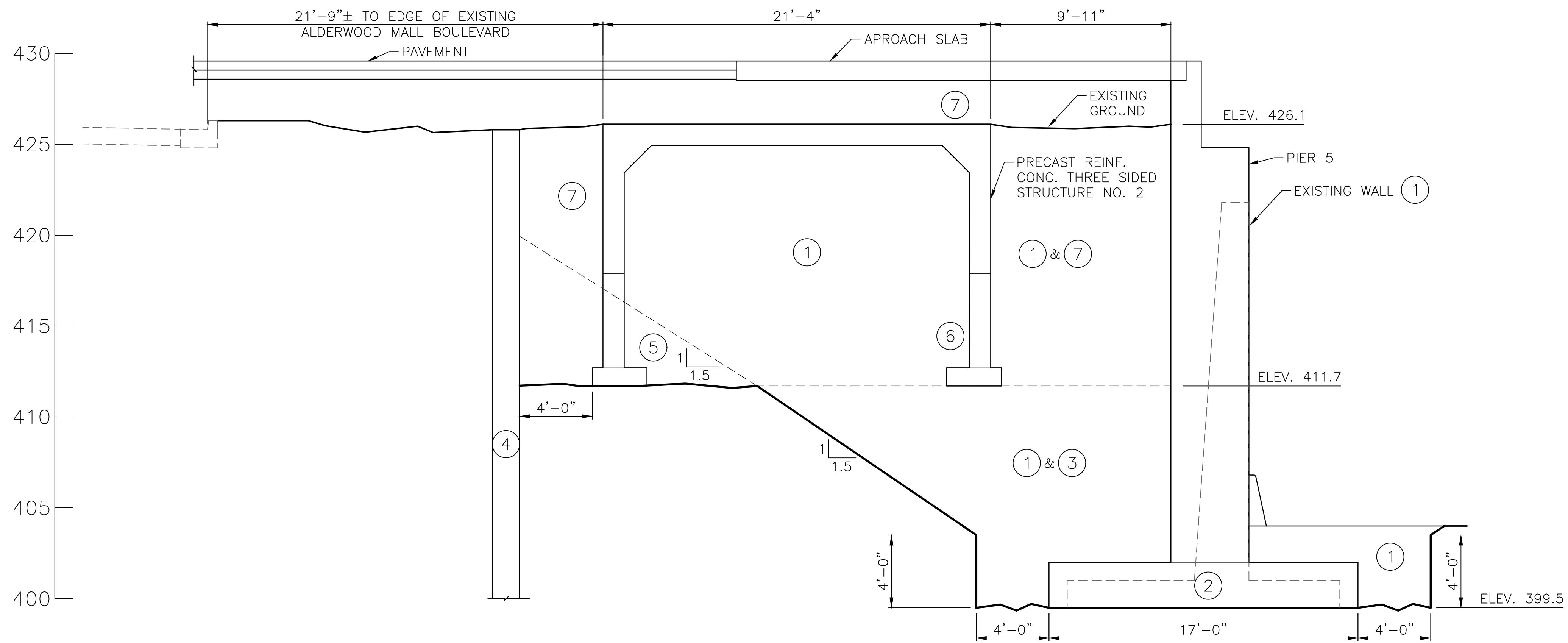


Drawn By ADH	Date 4/3/23	SCALE
Designed By EBB	4/3/23	Horiz N/A
Checked By IZ	4/3/23	Vert N/A
Approved By		Project Number 20100156

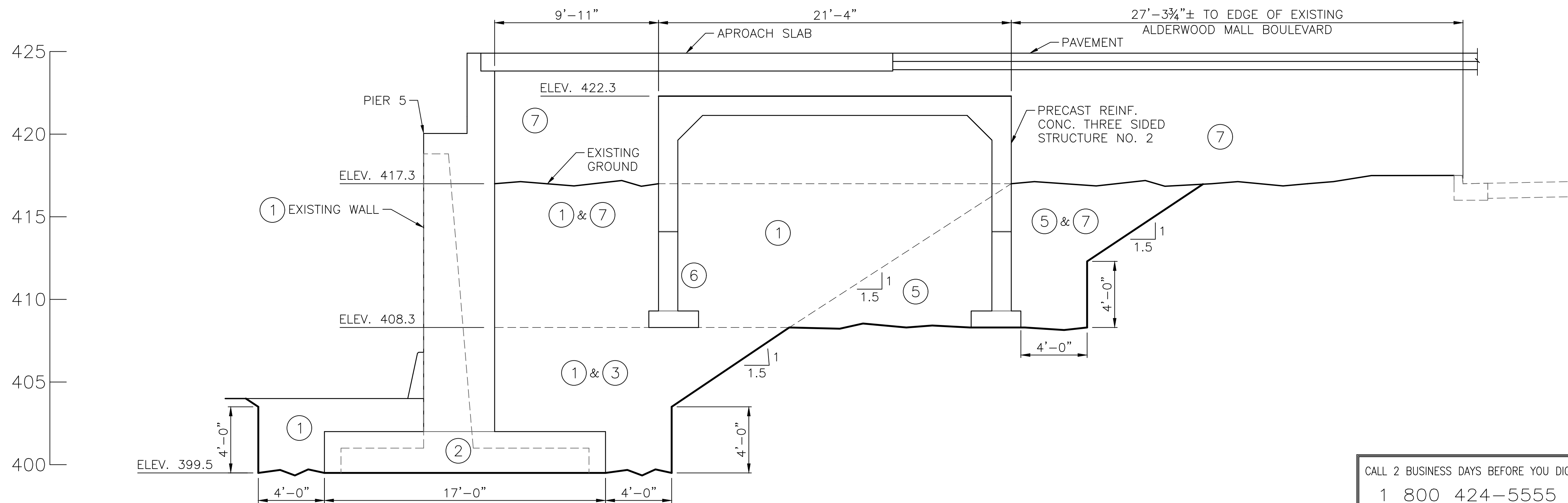
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
WALL DEMOLITION/EXCAVATION PLAN

Drawing No. BR23
Sheet No.
of Total

C:\S\3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



PIER 5 AND PRECAST REINF. CONC. THREE SIDED STRUCTURE (WESTERN END)



PIER 5 AND PRECAST REINF. CONC. THREE SIDED STRUCTURE (EASTERN END)

NOTE:

1. UNLESS EXPLICITLY IDENTIFIED AS A CONTRACT REQUIREMENT, THE MEANS AND METHODS OF CONSTRUCTION, THE SEQUENCE OF CONSTRUCTION/DEMOTION AND CONTRACTOR DESIGN TEMPORARY WORKS PROVIDED WITHIN THESE PLANS ARE CONCEPTUAL IN NATURE AND ARE THE CONTRACTOR'S RESPONSIBILITY. DESCRIPTIONS AND GRAPHICS REPRESENTING THESE ASPECTS OF THE WORK DO NOT ADDRESS ALL CONTRACT REQUIREMENTS AND SHALL NOT BE CONSTRUED TO LIMIT THE CONTRACTOR'S RESPONSIBILITIES.

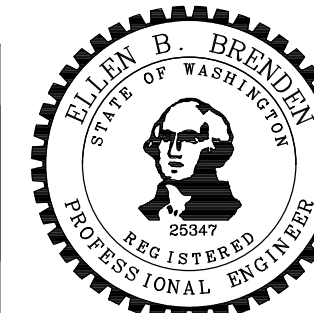
- ① EXCAVATE FOR CONSTRUCTION OF ABUTMENT AND REMOVE EXISTING WALL (SEE DWG BR23)
- ② CONSTRUCT ABUTMENT FOOTING AND STEM WALL.
- ③ FILL TO BOTTOM OF PRECAST REINF. CONC. THREE SIDED STRUCTURE NO. 2 FOOTINGS.
- ④ INSTALL TEMPORARY WALL AS NECESSARY.
- ⑤ EXCAVATE FOR CONSTRUCTION OF PRECAST REINF. CONC. THREE SIDED STRUCTURE NO. 2
- ⑥ CONSTRUCT PRECAST REINF. CONC. THREE SIDED STRUCTURE NO. 2 FOOTINGS AND PLACE PRECAST REINF. CONC. THREE SIDED STRUCTURE NO. 2
- ⑦ FILL TO BOTTOM OF APPROACH SLAB / PAVEMENT
- ⑧ CONSTRUCT APPROACH SLAB / PAVEMENT.

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 UTILITIES UNDERGROUND LOCATION CENTER

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May 04, 2023 - 12:21pm adharper \\seaw01\proj\6024\CADD\DRS001\Drawings\STRUC\0100166_BR24.dwg Layout Name: EXCAVATION

No.	Date	Revision	By	Appr.

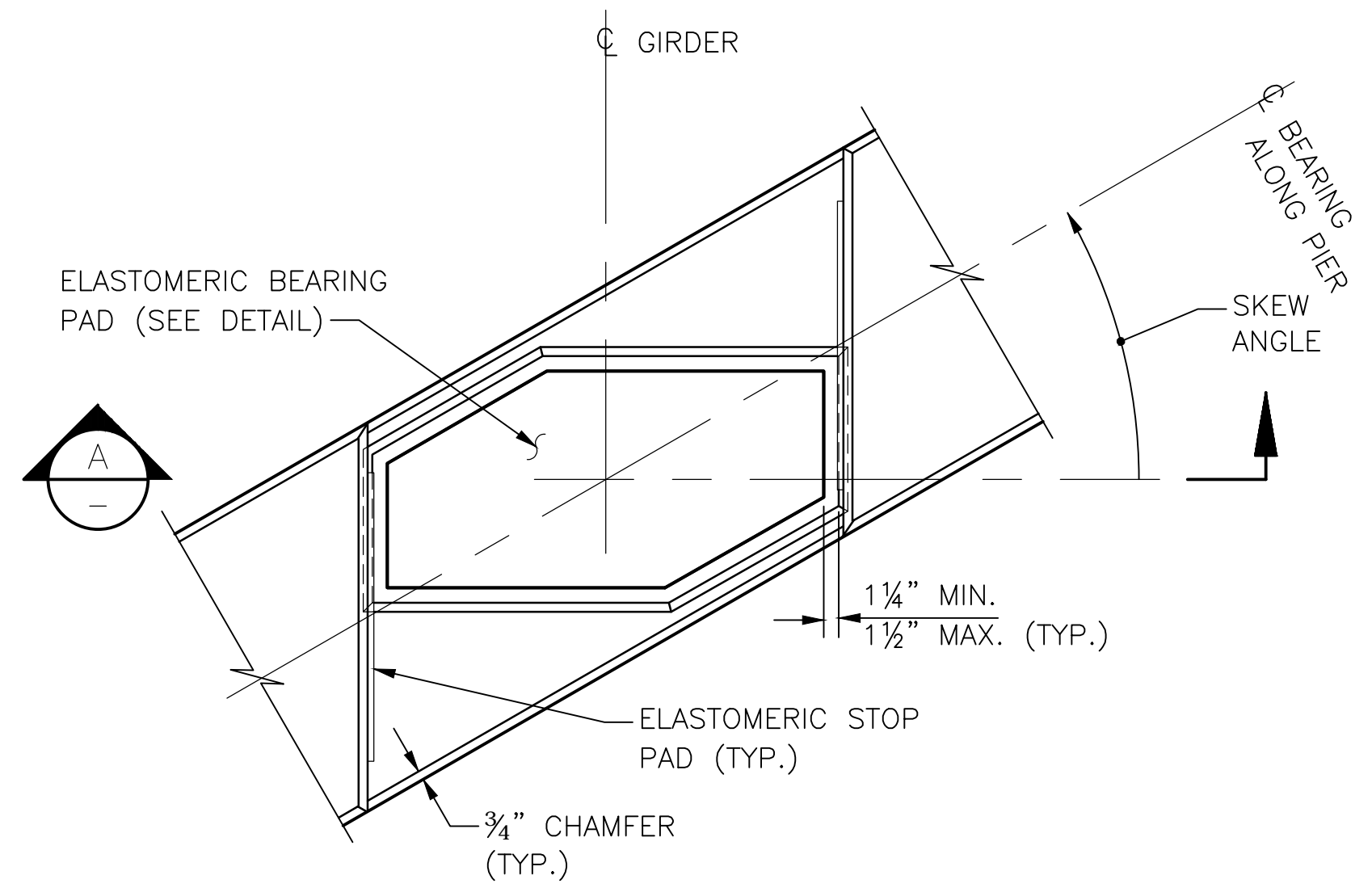


Drawn By	Date	SCALE
ADH	4/3/23	Horiz. 1/4" = 1'-0"
Designed By		Vert. 1/4" = 1'-0"
Checked By	4/3/23	Project Number 20100156
Approved By	4/3/23	

CITY OF LYNNWOOD
 POPLAR WAY EXTENSION BRIDGE
SUGGESTED EXCAVATION AND CONSTRUCTION SEQUENCE

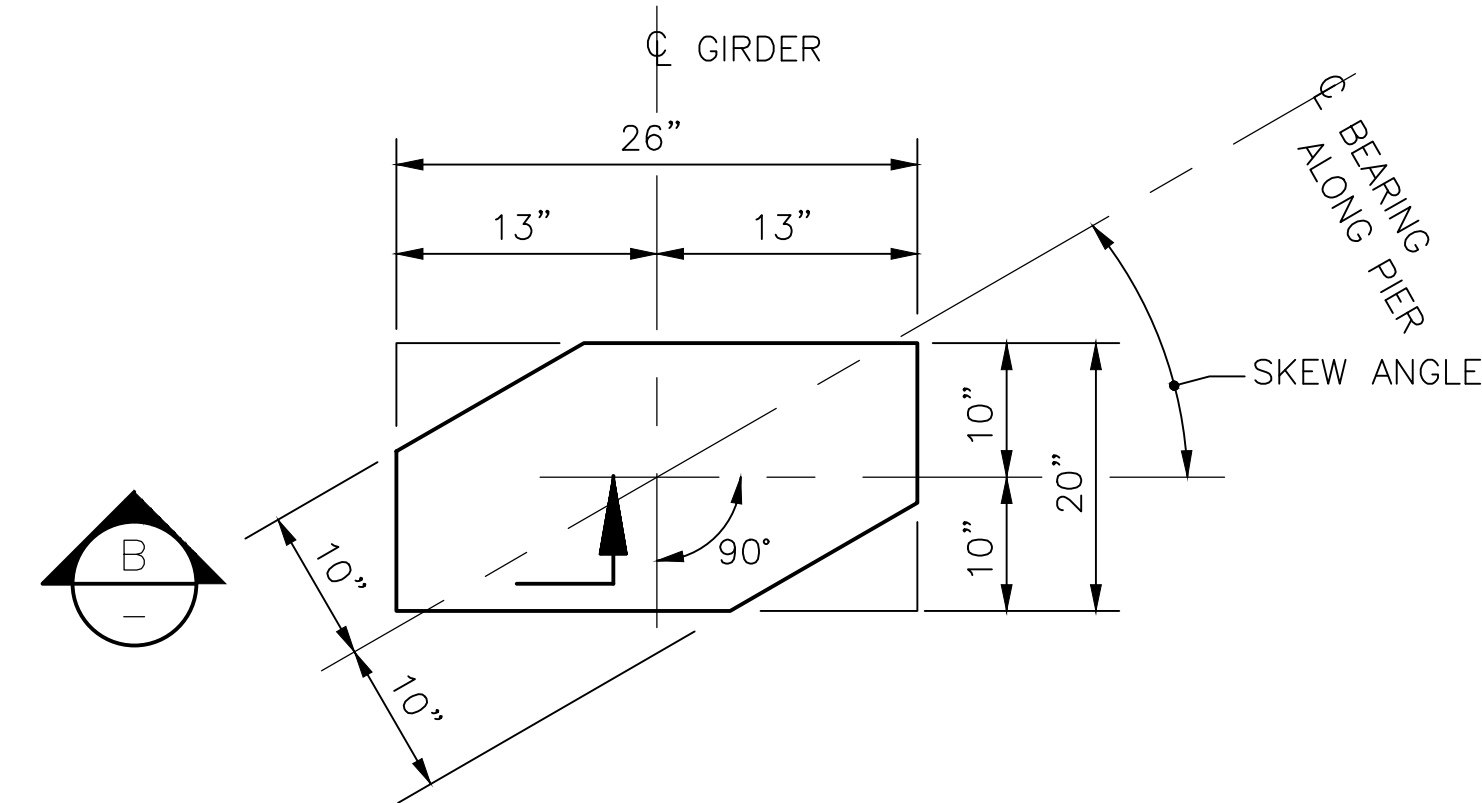
Drawing No. **BR24**
 Sheet No. **1** of Total

C/S 3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



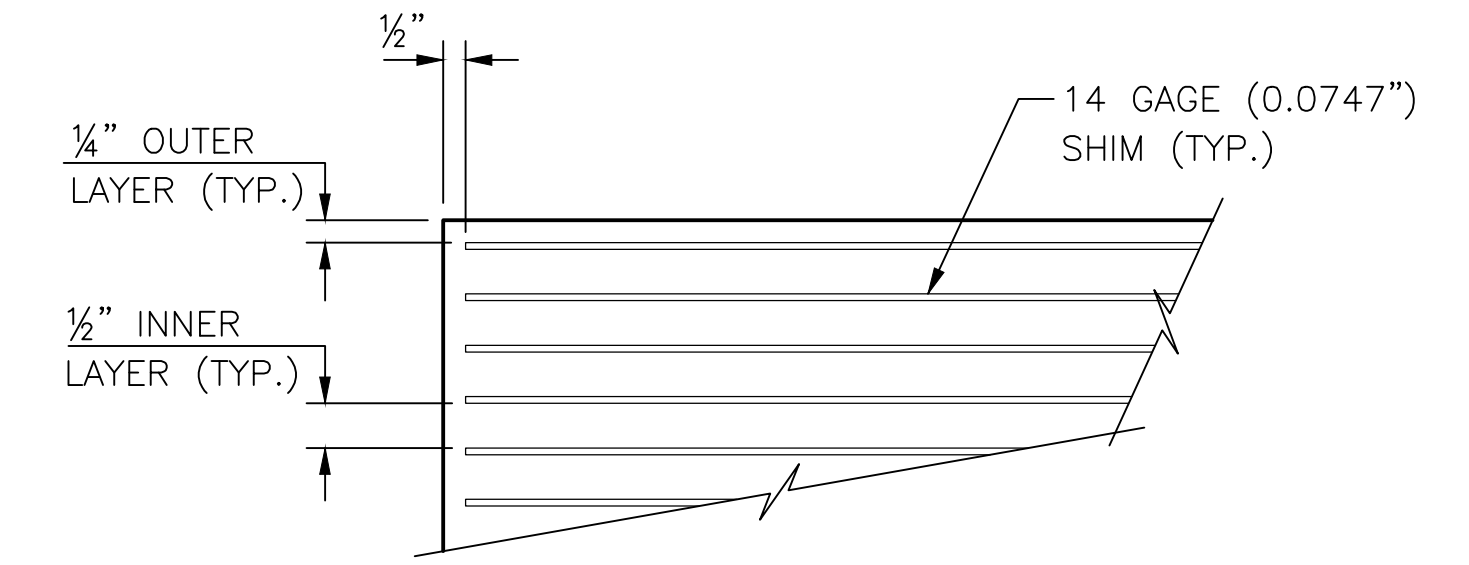
GROUT PAD DETAIL

GIRDER NOT SHOWN FOR CLARITY

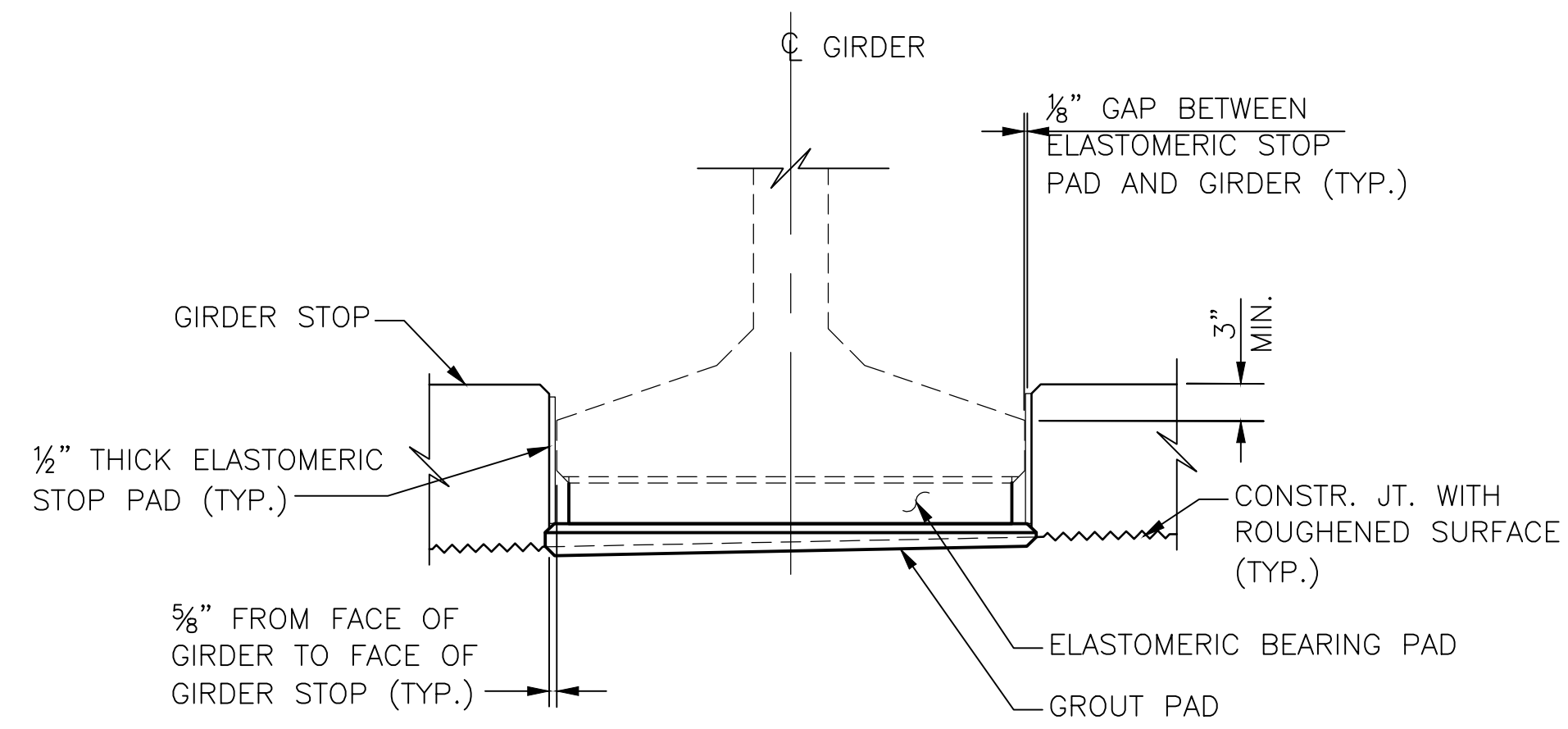


ELASTOMERIC BEARING PAD

LAMINATED ELASTOMERIC BEARING PAD
 (10 SHIMS @ PIER 1)
 (12 SHIMS @ PIER 5)

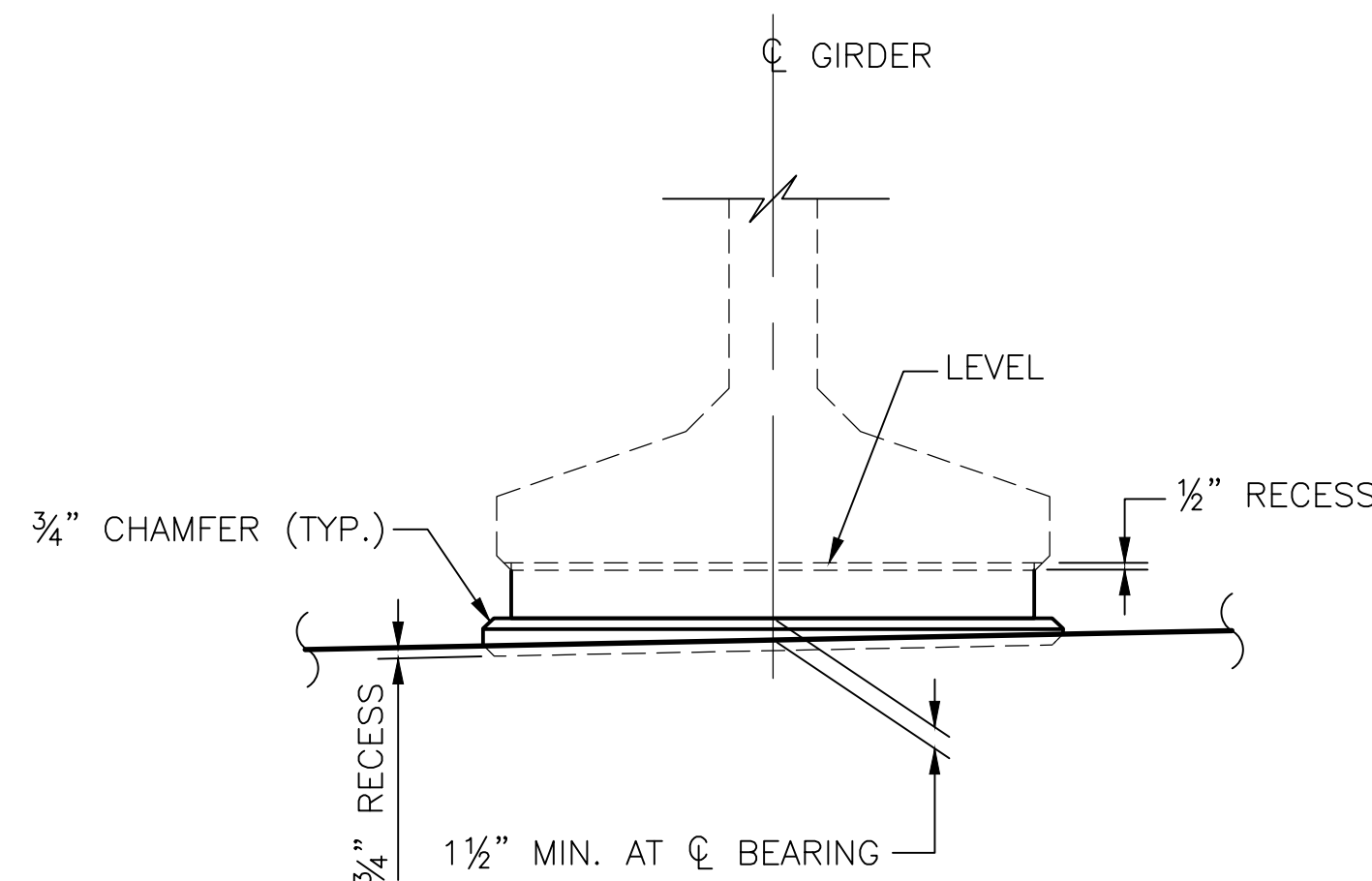


SECTION B

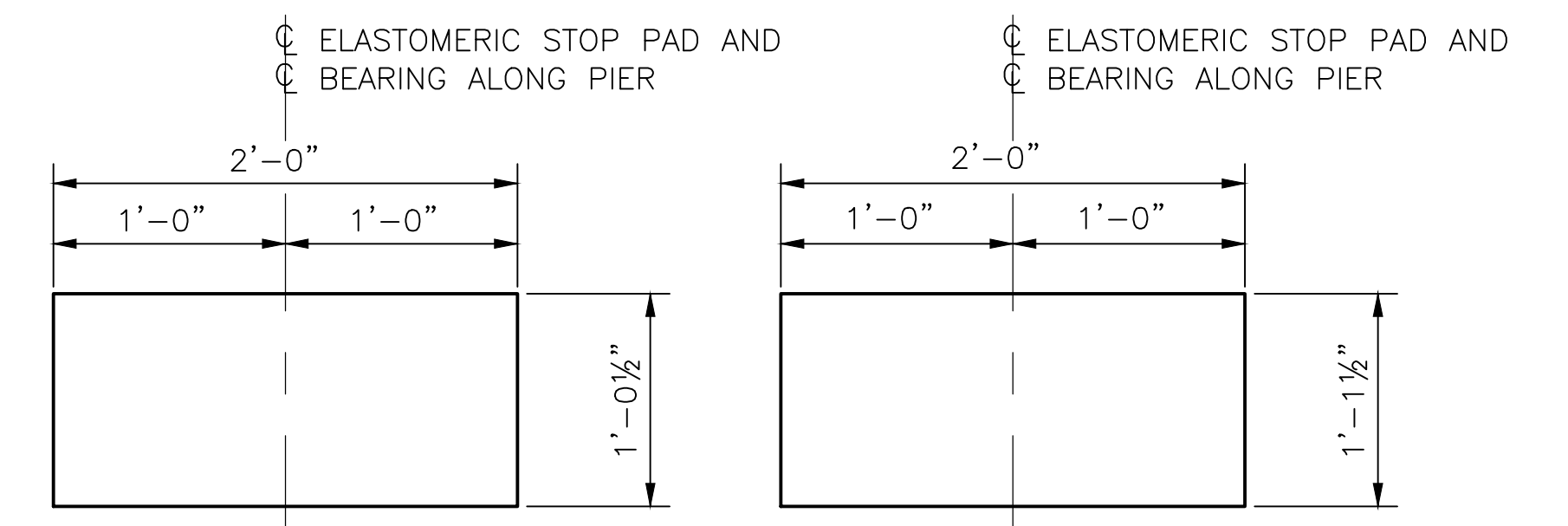


SECTION A

BR9, BR19



GROUT PAD ELEVATION



ELASTOMERIC STOP PAD

SHEAR MODULUS = 165 PSI

NOTES

- GIRDER STOPS SHALL BE CONSTRUCTED AFTER GIRDER PLACEMENT.
- THE ELASTOMERIC STOP PADS SHALL BE CEMENTED TO GIRDER STOPS WITH APPROVED ADHESIVE.

BEARING DESIGN TABLE AASHTO METHOD B DESIGN SERVICE - I LIMIT STATE		
	ABUTMENT 1	ABUTMENT 5
DEAD LOAD (DL) REACTION	114 KIPS	144 TO 110 KIPS
LIVE LOAD REACTION (W/O IMPACT)	73 KIPS	76 TO 98 KIPS
UNLOADED HEIGHT	5.75 IN	6.90 IN
LOADED HEIGHT (DL)	5.70 IN	6.81 TO 6.83 IN
SHEAR MODULUS @ 73° F	165 PSI	165 PSI

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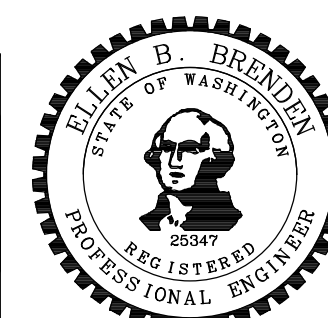
May 05, 2023 - 11:58am adharner \\seaw01\jos160024\CADD\DCS001\Drawings\STRUC\00100166_BR25.dwg Layout Name: Bearing Details

No.	Date	Revision	By	Appr.

HNTB
 HNTB Corporation
 777 108th Avenue NE
 Suite 1000
 Bellevue, WA 98004
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 2707 COLBY AVENUE, SUITE 900
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LYNNWOOD WASHINGTON

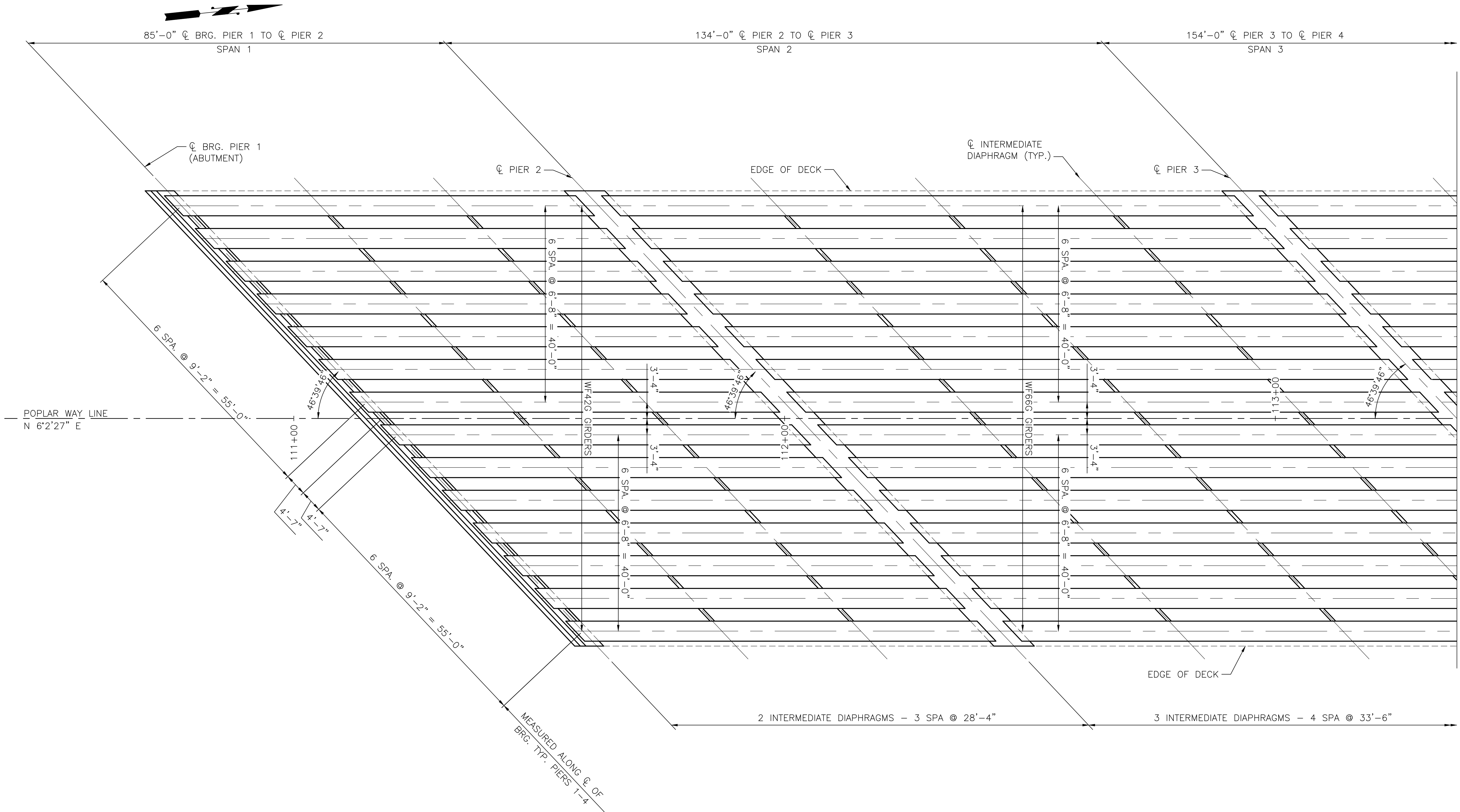


Drawn By	Date	SCALE
ADH	4/3/23	
Designed By		Horiz N/A
EBB	4/3/23	Vert N/A
Checked By		Project Number
TZ	4/3/23	20100156
Approved By		

CITY OF LYNNWOOD
 POPLAR WAY EXTENSION BRIDGE
GIRDER BEARING DETAILS

Drawing No.	BR25
Sheet No.	
of Total	

PROJ. NO. TA2797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



FRAMING PLAN
N 52°42'13" E

90% REVIEW
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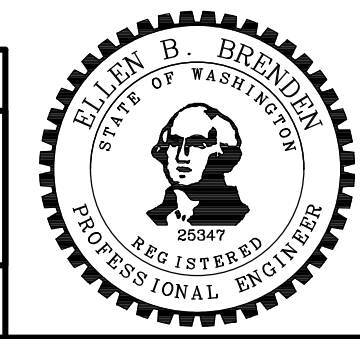
May 04, 2023 - 12:22pm adharper \\seaw01\jbs16\024\CADD\DS001\Drawings\STRUC\20100156_BR26.dwg Layout Name: Framing Plan 1

No.	Date	Revision	By	Appr.

HNTB
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Suite 1000
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2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
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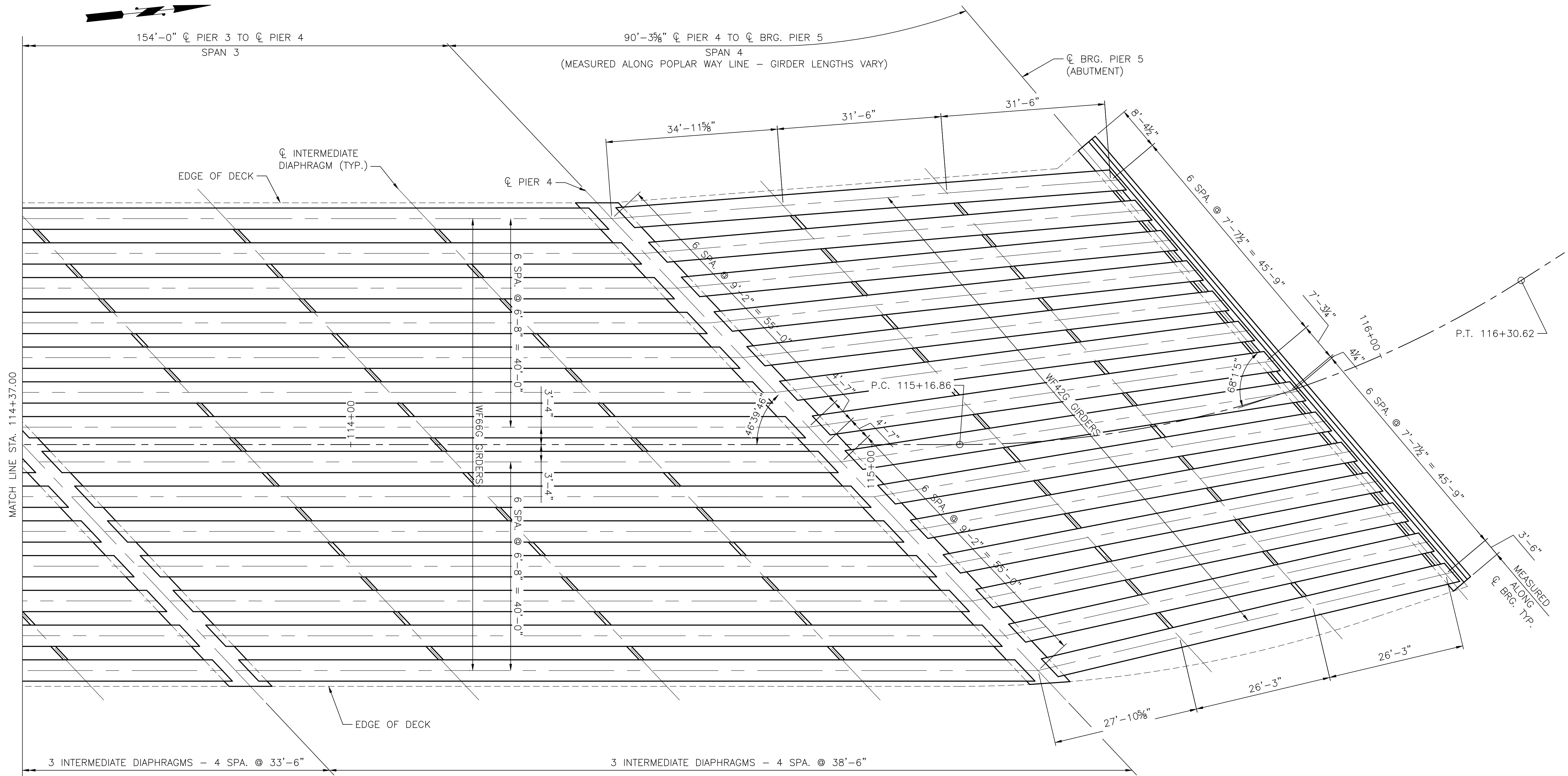
Drawn By	Date
ADH	4/3/23
Designed By	
SM	4/3/23
Checked By	
EBB	4/3/23
Approved By	

SCALE
Horiz N/A
Vert N/A
Project Number 20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
FRAMING PLAN 1 OF 2

Drawing No. **BR26**
Sheet No. **1**
of Total

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FRAMING PLAN

BEARING OF PIER 4 IS
 N 52°42'13" E
 BEARING OF PIER 5 IS
 N 55°16'44" E

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May 04, 2023 - 12:22pm adharper \\seaw01\jbs16\024\CADD\DS001\Drawings\STRUCTURE\100166_BR27.dwg Layout Name: Framing Plan 2

No.	Date	Revision	By	Appr.

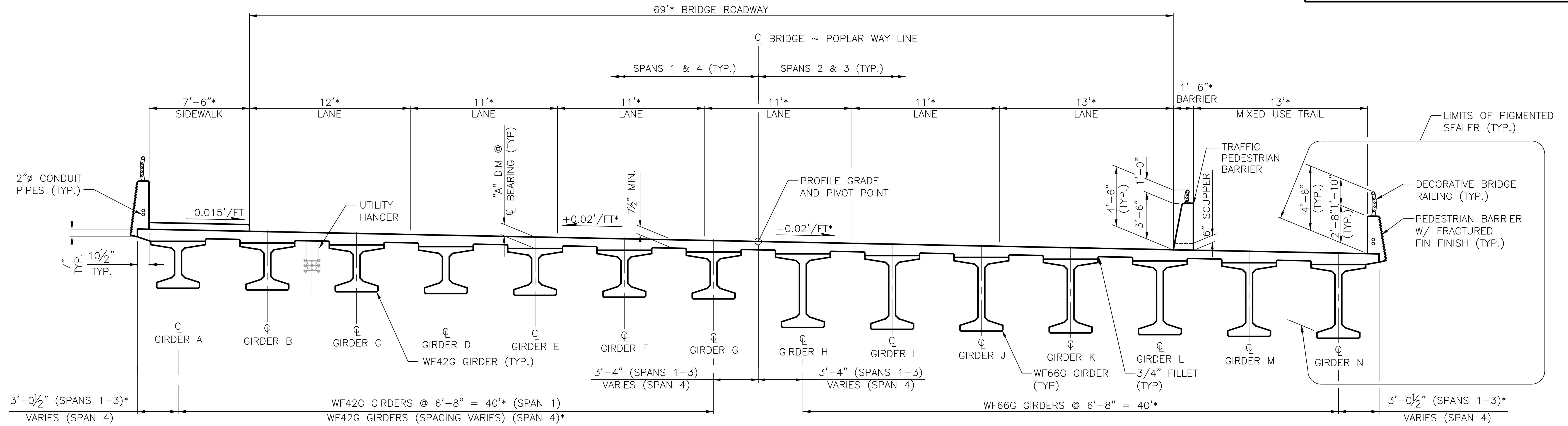


Drawn By	Date	SCALE
ADH	4/3/23	
Designed By		
SM	4/3/23	Horiz N/A
Checked By		Vert N/A
EBB	4/3/23	Project Number 20100156
Approved By		

CITY OF LYNNWOOD
 POPLAR WAY EXTENSION BRIDGE
FRAMING PLAN 2 OF 2

Drawing No. **BR27**
 Sheet No. **2**
 of Total

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TYPICAL BRIDGE SECTION

* MEASURED PERPENDICULAR TO POPLAR WAY LINE

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NOT FOR CONSTRUCTION

May 04, 2023 - 12:22pm adharper \\seaw01\jase6024\CADD\DS001\Drawings\STRUC\20100156_BR28.dwg Layout Name: .Typical Section

No.	Date	Revision	By	Appr.

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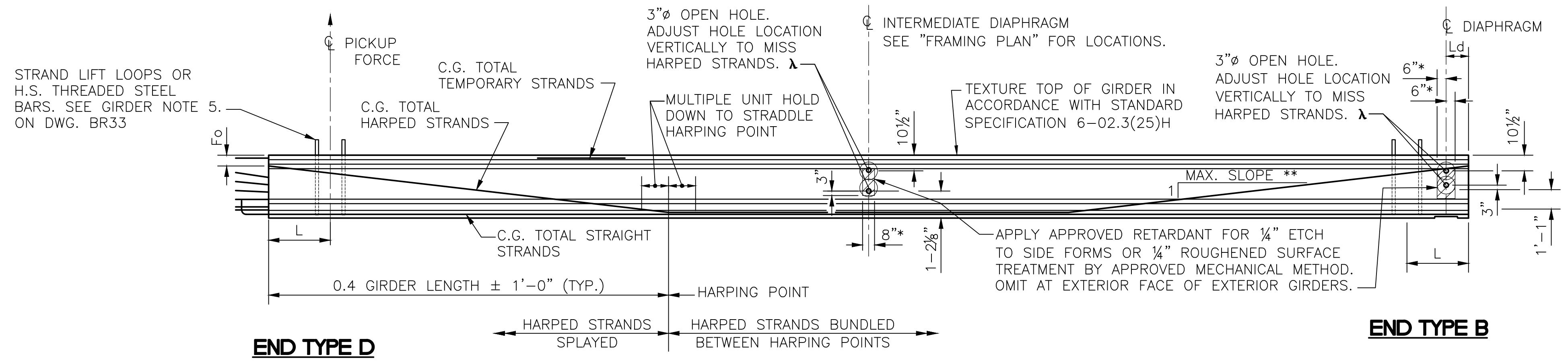


Drawn By	Date	SCALE
ADH	4/3/23	Horiz N/A
Designed By		Vert N/A
SM	4/3/23	Project Number
Checked By		20100156
EBB	4/3/23	
Approved By		

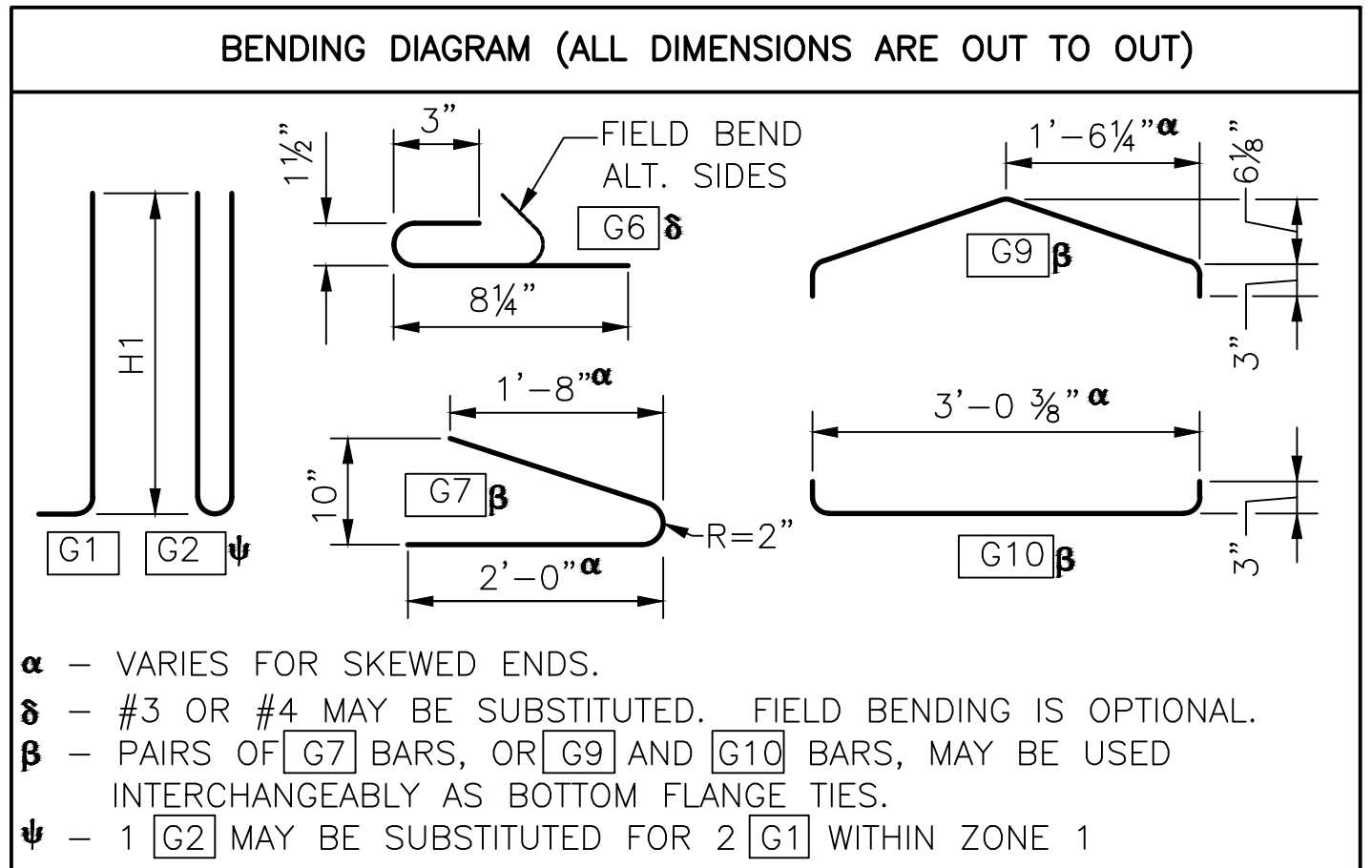
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
TYPICAL SECTION

Drawing No. **BR28**
Sheet No. **1**
of Total

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GIRDER ELEVATION

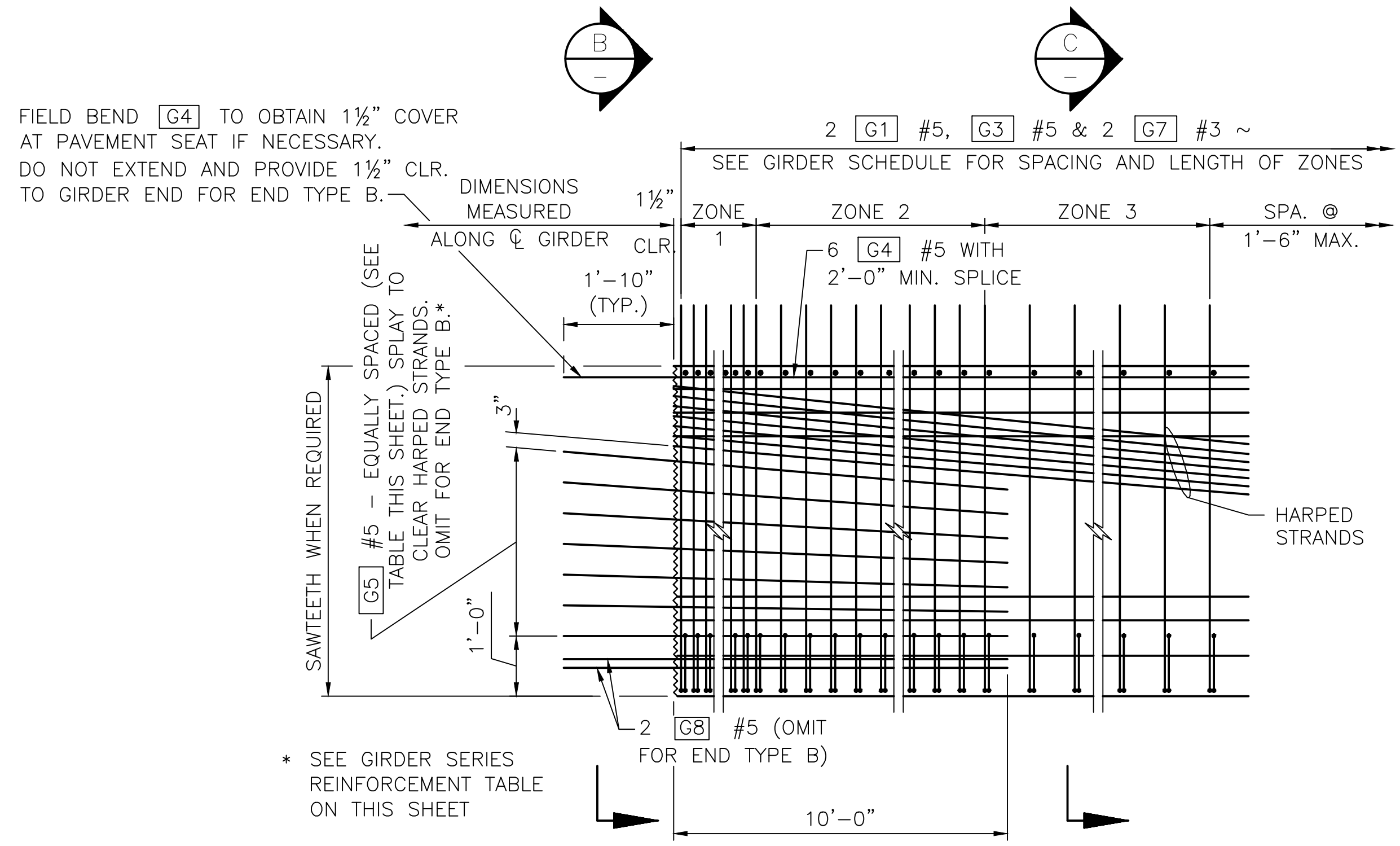


α - VARIES FOR SKEWED ENDS.
 δ - #3 OR #4 MAY BE SUBSTITUTED. FIELD BENDING IS OPTIONAL.
 β - PAIRS OF [G7] BARS, OR [G9] AND [G10] BARS, MAY BE USED INTERCHANGEABLY AS BOTTOM FLANGE TIES.
 ψ - 1 [G2] MAY BE SUBSTITUTED FOR 2 [G1] WITHIN ZONE 1

- * MEASURED NORMAL TO CL DIAPHRAGM
- ** 8 : 1 MAXIMUM SLOPE FOR EACH HARPED STRAND
- λ SEE GIRDER NOTE 9. ON DWG. BR33

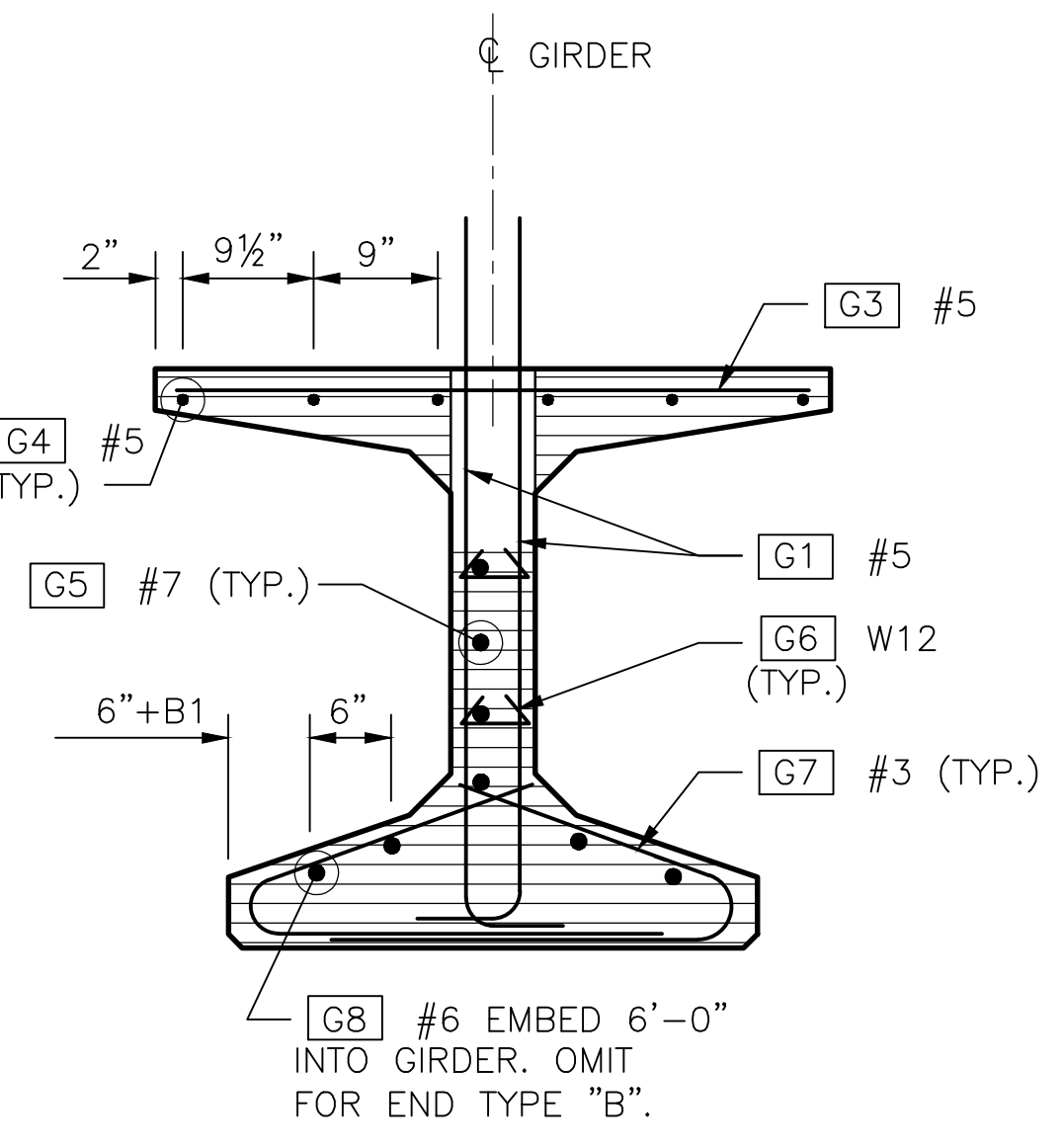
END TYPE PROPERTIES					
END TYPE	BEARING RECESS	X	Y	Z	SAWTEETH
B	YES	0"*	0"*	0"	NO
D	NO	1'-10"	SEE "STRAND EXTENSION DETAIL"		YES

* PROVIDE 1/2" CLEAR COVER TO GIRDER END FOR END TYPE B.

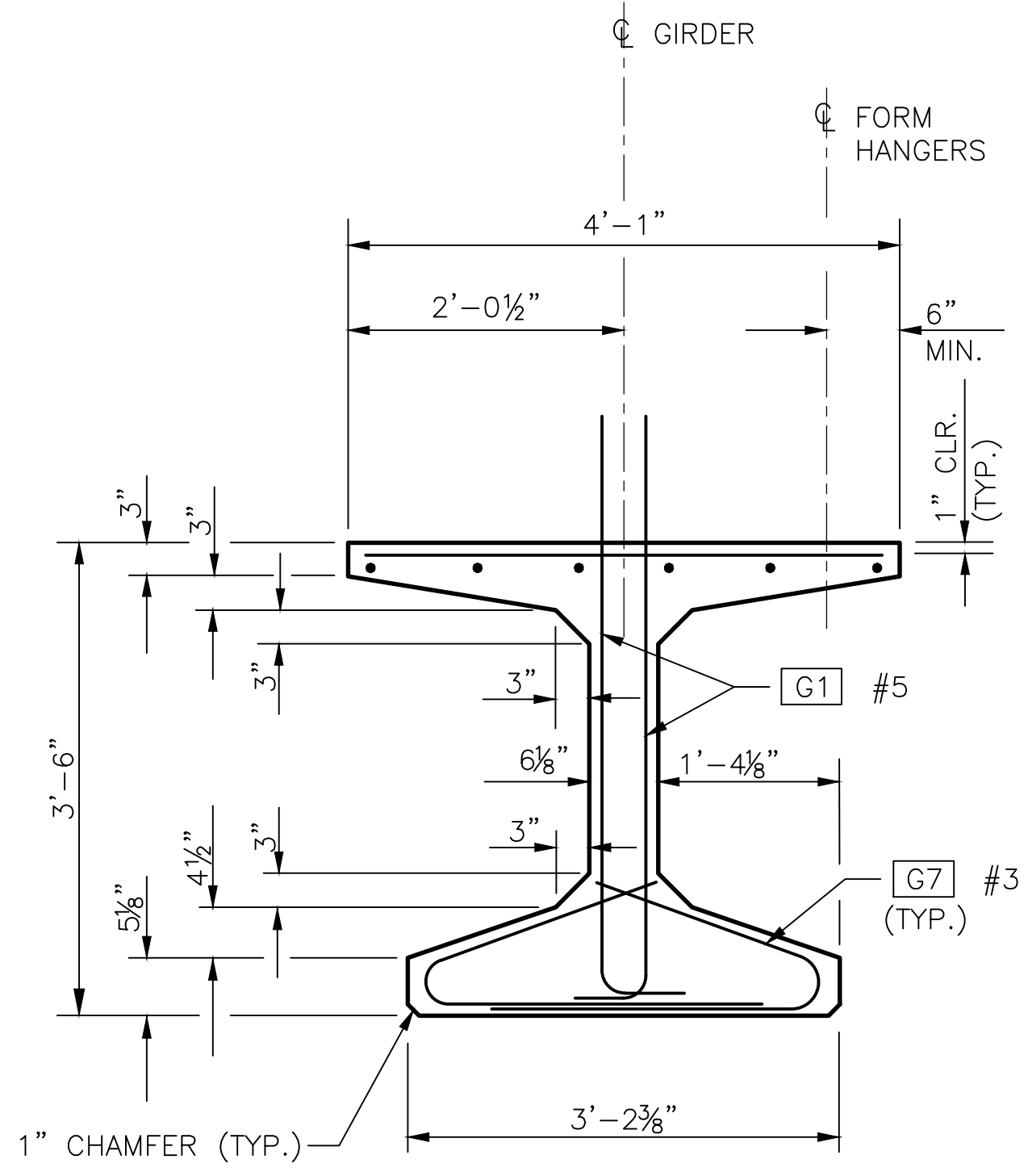


REINFORCEMENT END ELEVATION

STRAIGHT AND TEMPORARY STRANDS NOT SHOWN FOR CLARITY.



VIEW B
 SAWTEETH SHOWN BY HATCHED AREA
 STRANDS NOT SHOWN



SECTION C
 STRANDS NOT SHOWN

GIRDER SERIES	NO. OF [G5] BARS
WF42G	4
WF66G	7

GIRDER SERIES REINFORCEMENT TABLE

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May 08, 2023 - 11:13am adharner \\nasw001\josh60024\CADD\DWG\01\Drawings\STRUC\0100156_BR29.dwg Layout Name: WF42G Girder Elevation

No.	Date	Revision	By	Appr.

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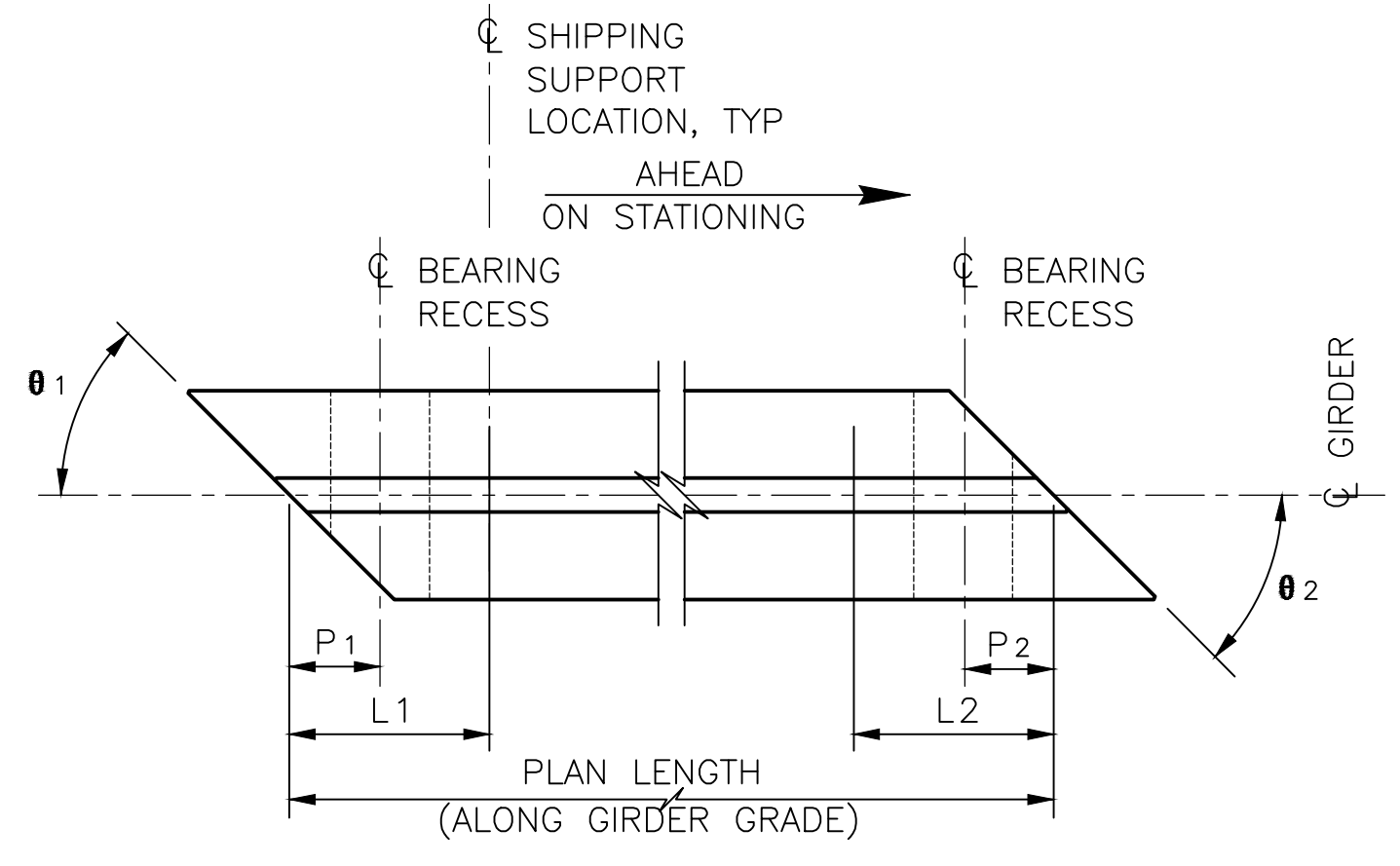


Drawn By ADH	Date 4/3/23	SCALE
Designed By SM	4/3/23	Horiz N/A
Checked By EGG	4/3/23	Vert N/A
Approved By		Project Number 20100156

CITY OF LYNNWOOD
 POPLAR WAY EXTENSION BRIDGE
WF42G GIRDER DETAILS 1 OF 3

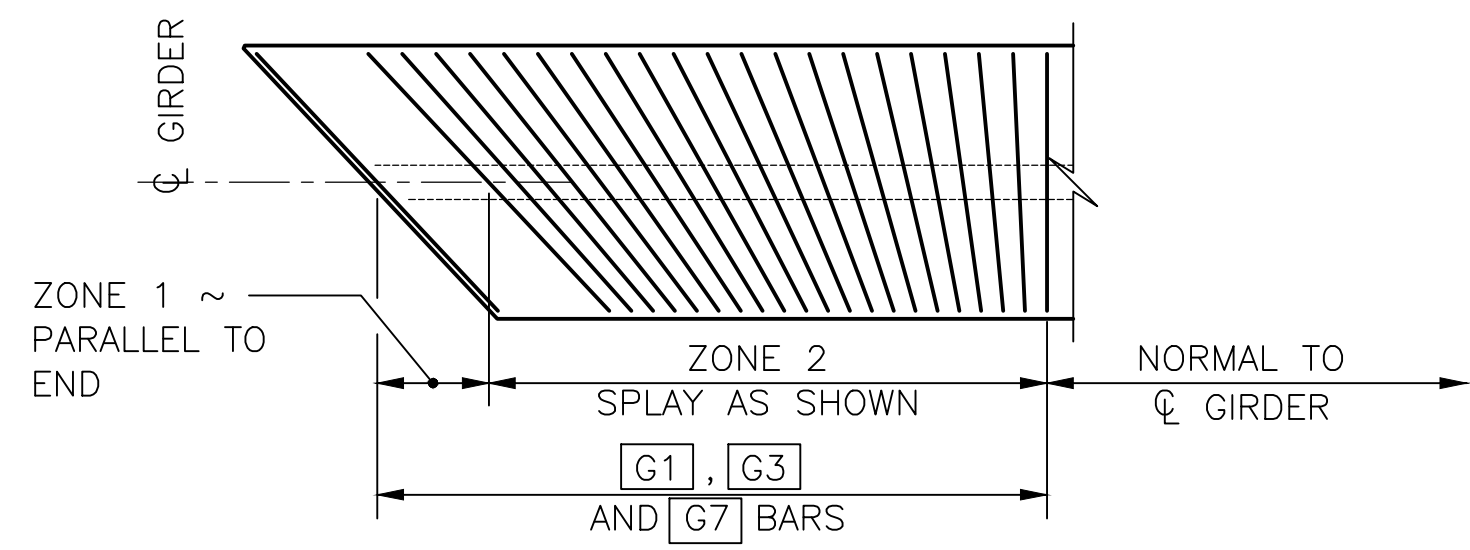
Drawing No.
BR29
 Sheet No.
1 of Total

PROJ. NO. TA279 ~ NORTHWEST REGION ~ 1-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



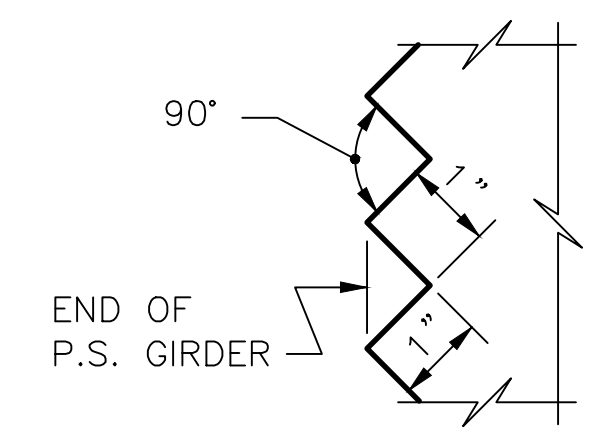
GIRDER SCHEDULE LEGEND

L1 AND L2 ARE SHIPPING SUPPORT LOCATIONS AT LEADING AND TRAILING ENDS, RESPECTIVELY. SEE DWG BR33 FOR DIMENSIONS AND ANGLES



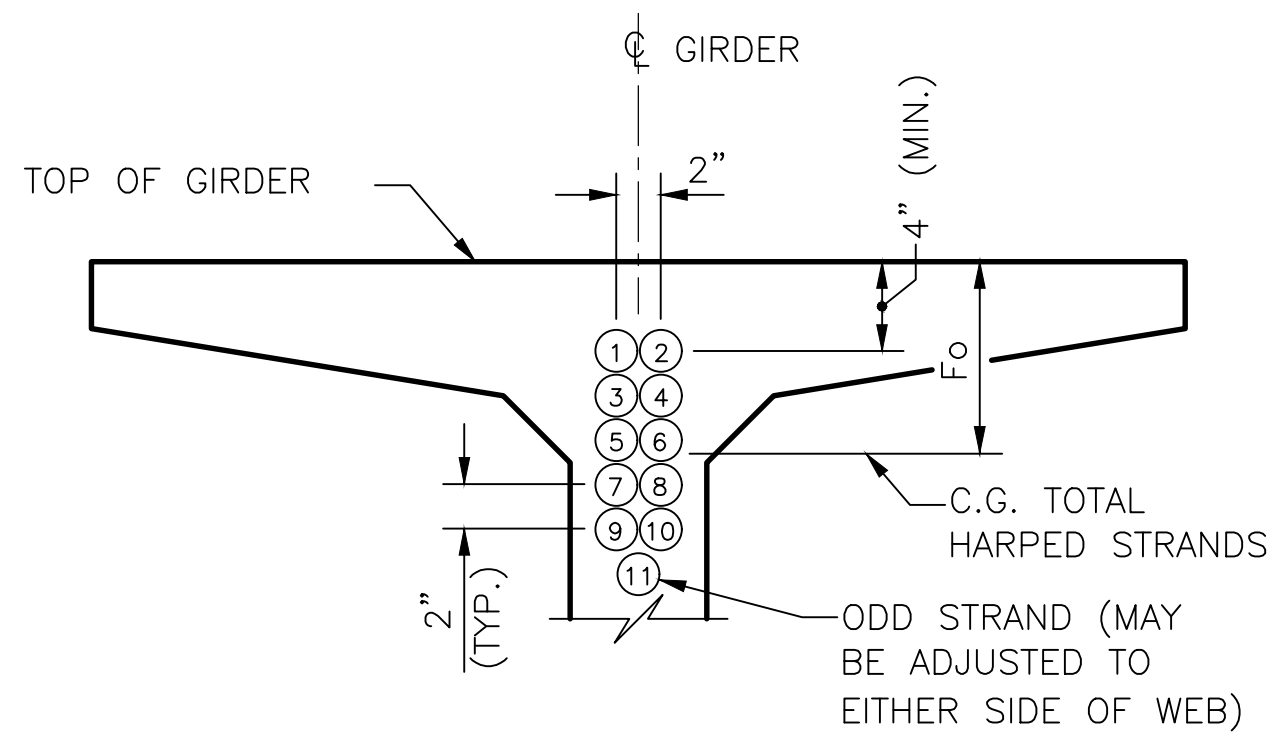
TRANSVERSE REINFORCING SKEWED ENDS

LENGTH OF G3 AND G7 VARY WITH SKEW. ONLY TRANSVERSE REINFORCEMENT SHOWN.



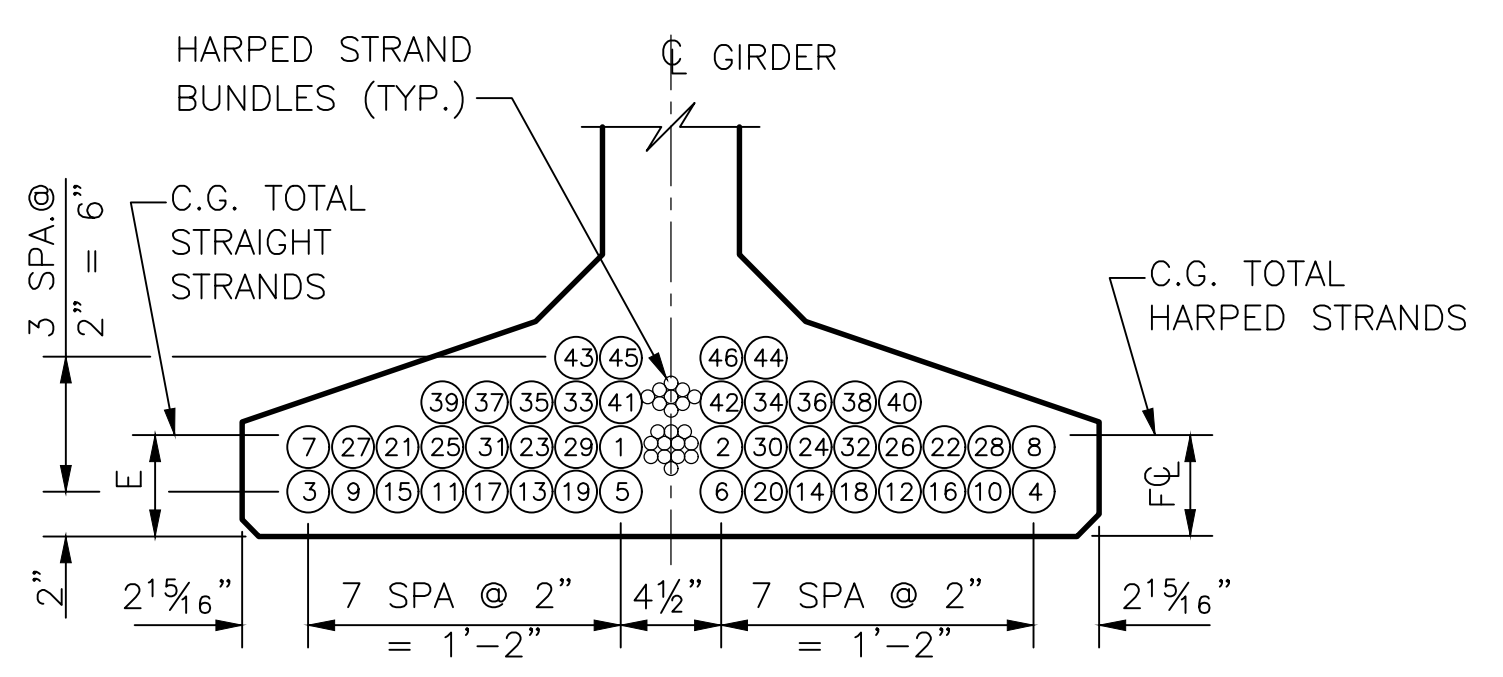
SAWTOOTH DETAILS

SAWTEETH SHALL BE FULL WIDTH - USE SAWTOOTH KEYS FROM BOTTOM OF BOTTOM FLANGE TO BOTTOM OF LOWEST HARPED STRAND AS WELL AS TOP FLANGE ADJACENT TO HARPED STRANDS.



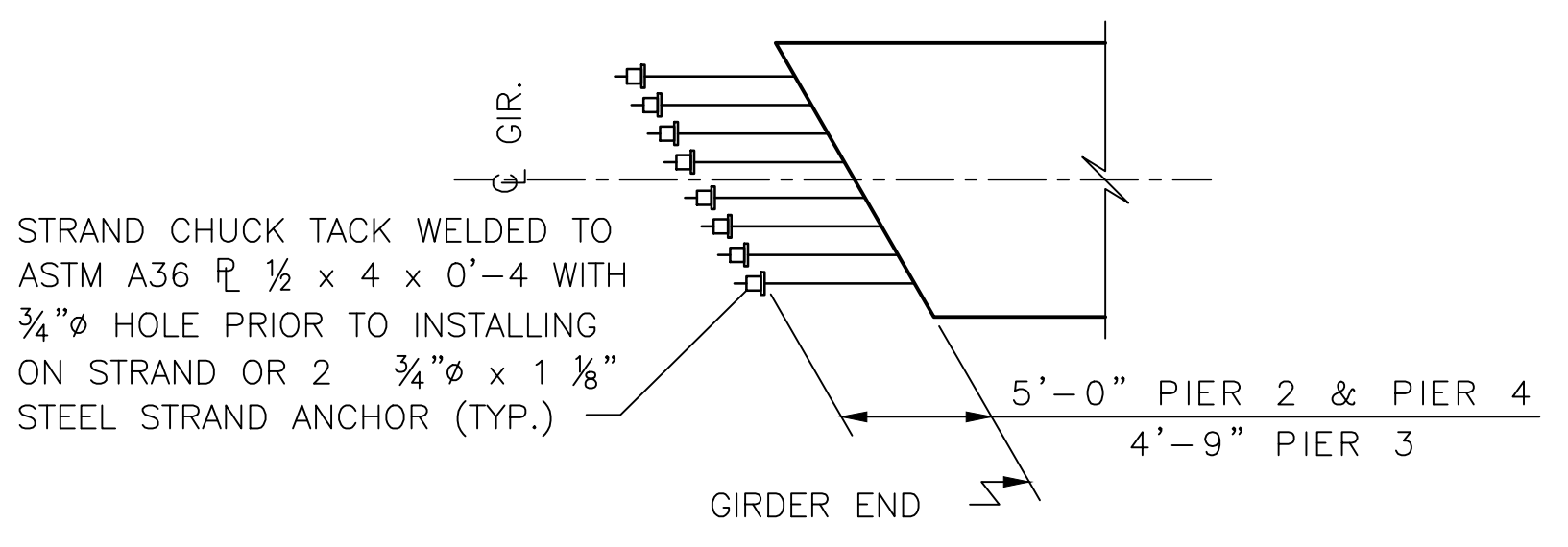
STRAND PATTERN AT GIRDER END

HARPED STRAND LOCATION SEQUENCE SHALL BE AS SHOWN ①, ② ETC.



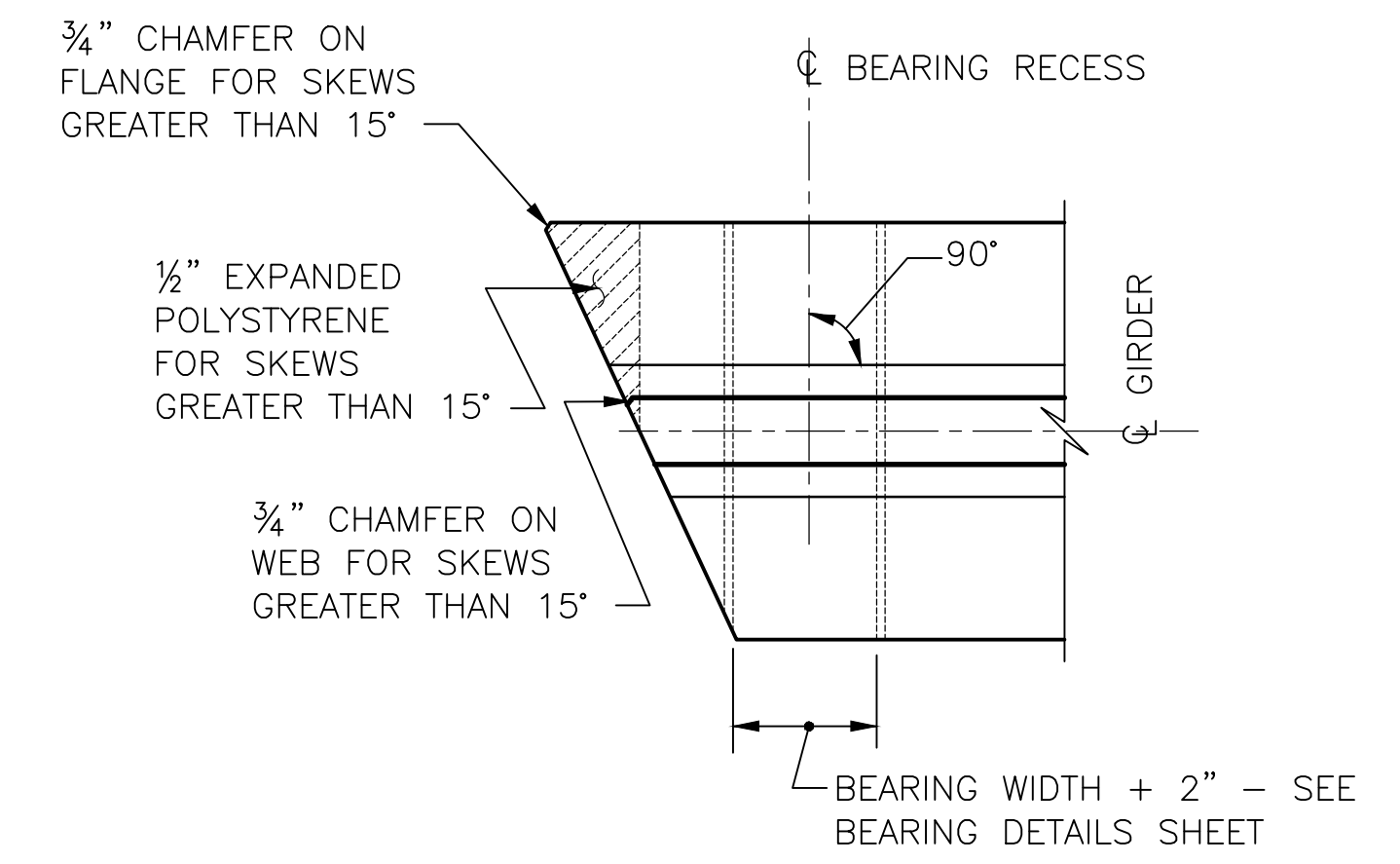
STRAND PATTERN AT CENTER SPAN

STRAIGHT STRAND LOCATION SEQUENCE SHALL BE AS SHOWN ①, ② ETC.

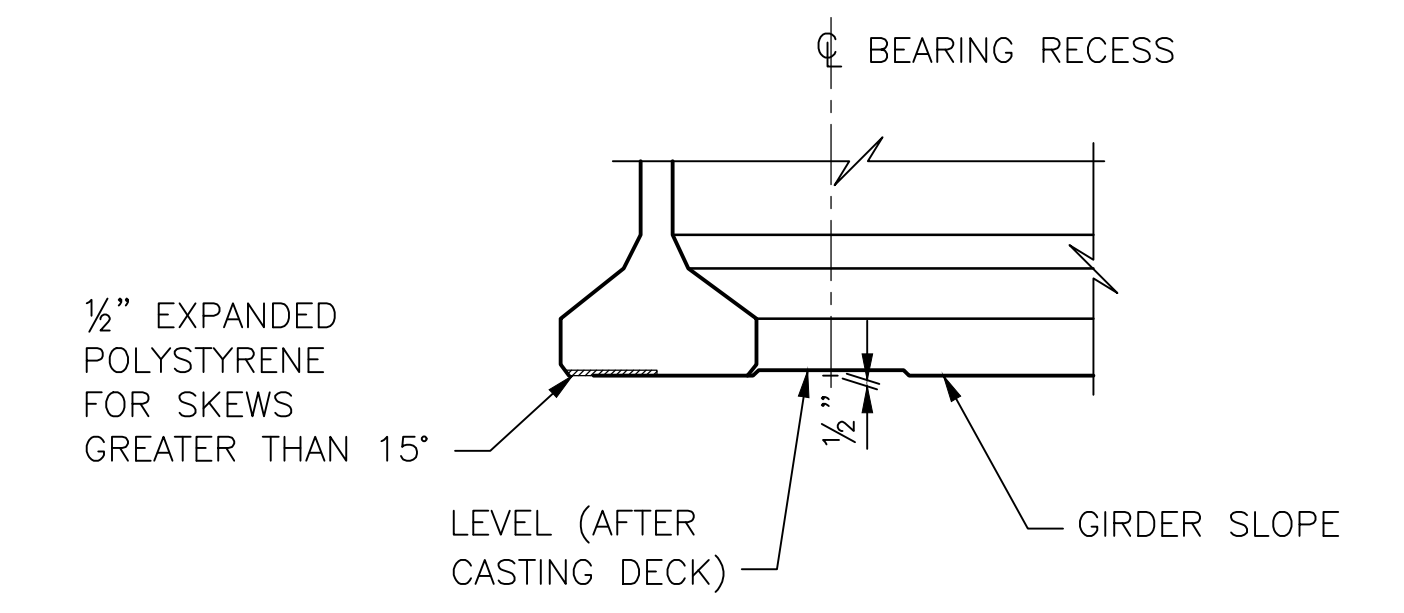


STRAND EXTENSION DETAIL

ANCHOR STRAND WITH TWO PIECE WEDGES BEFORE GIRDER ERECTION. VERIFY WEDGES ARE SEATED TIGHTLY IMMEDIATELY BEFORE PLACING DIAPHRAGM CONCRETE.



PLAN



ELEVATION

BEARING RECESS AND BOTTOM FLANGE SPALL PROTECTION DETAIL

BEARING RECESS FORMS SHALL BE CONSTRUCTED AND FASTENED TO AVOID GIRDER DAMAGE DURING STRAND RELEASE.

90% REVIEW
NOT FOR CONSTRUCTION

May 08, 2023 - 9:55am aharper \sawaw00\jobs\60024\CADD\Drawings\STRUC\20100156_BR31.dwg Layout Name: WF Girder Details 1

No.	Date	Revision	By	Appr.

HNTB
HNTB Corporation
777 108th Avenue NE
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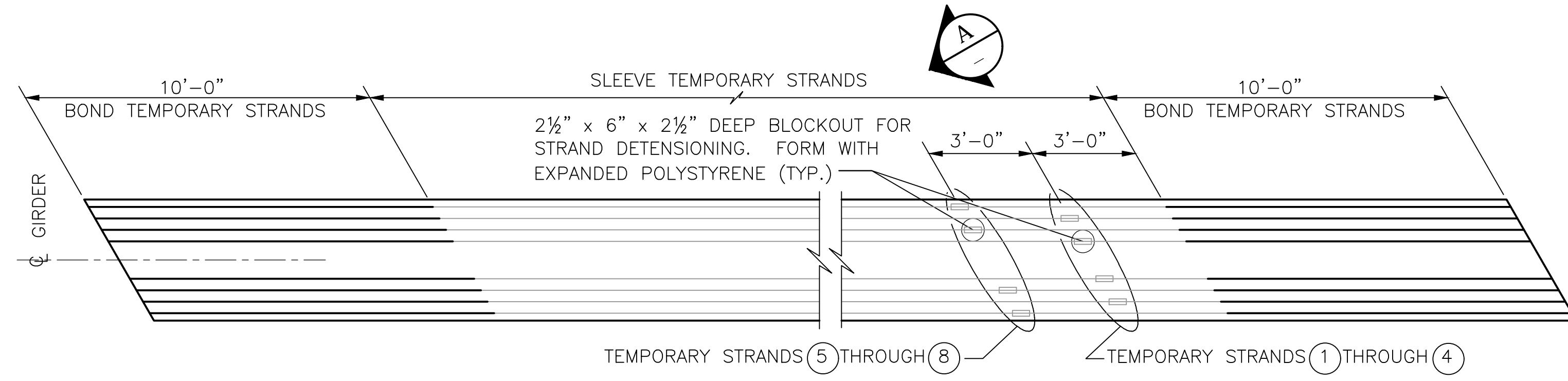


Drawn By	Date	SCALE
ADH	4/3/23	
Designed By	4/3/23	Horiz N/A
SM		Vert N/A
Checked By	4/3/23	
EGG		
Approved By		Project Number 20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
WF42G & WF66G GIRDER DETAILS 2 OF 3

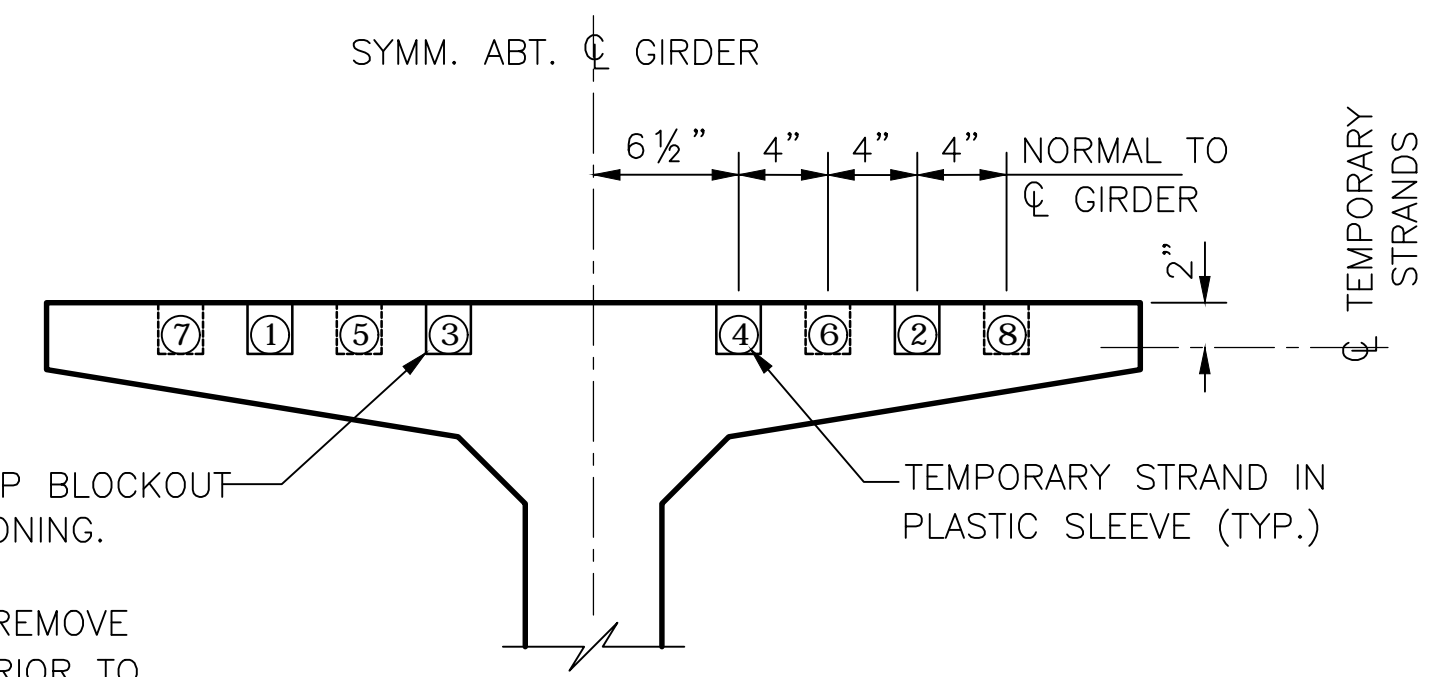
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of Total	

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PLAN
PRETENSIONED TEMPORARY
TOP STRANDS ALTERNATE

SEE "GIRDER SCHEDULE" ON DWG. BR33 FOR NUMBER OF TEMPORARY STRANDS REQUIRED.



2½" x 6" x 2½" DEEP BLOCKOUT FOR STRAND DETENSIONING. FORM WITH EXPANDED POLYSTYRENE (TYP.) REMOVE POLYSTYRENE JUST PRIOR TO CUTTING THE TEMPORARY STRANDS AND PREVENT MOISTURE FROM ENTERING THE BLOCKOUT AS DESCRIBED IN THE TEMPORARY STRAND CUTTING SEQUENCE. (TYP.)

SECTION A

NOTES:

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

90% REVIEW
 NOT FOR CONSTRUCTION

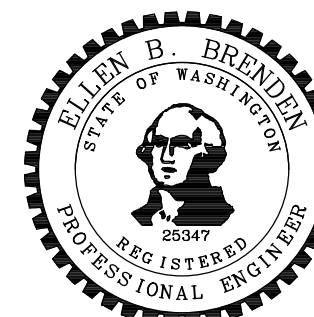
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Drawn By	Date
ADH	4/3/23
Designed By	
SM	4/3/23
Checked By	
ESB	4/3/23
Approved By	

SCALE	
Horiz	N/A
Vert	N/A
Project Number	20100156

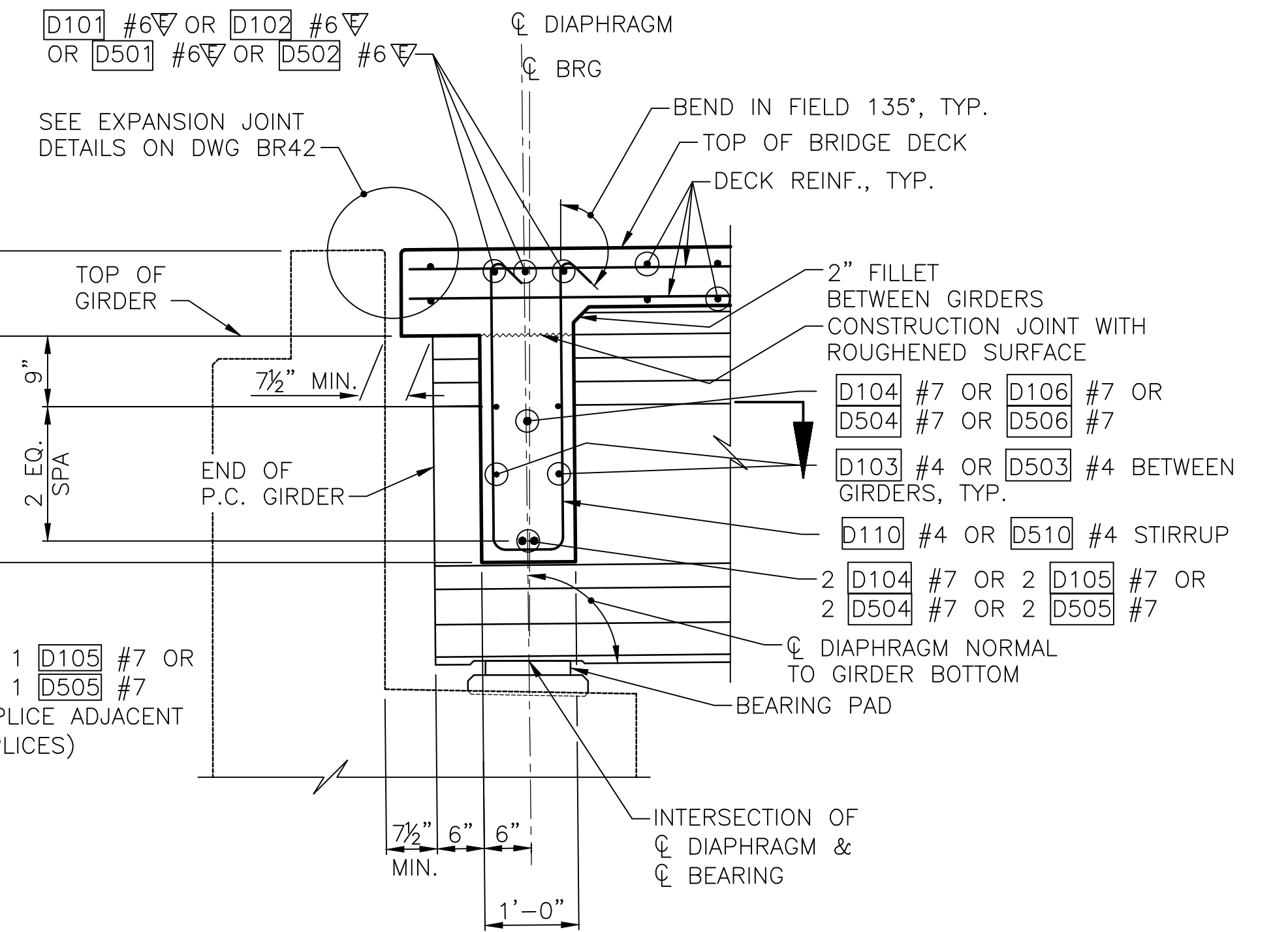
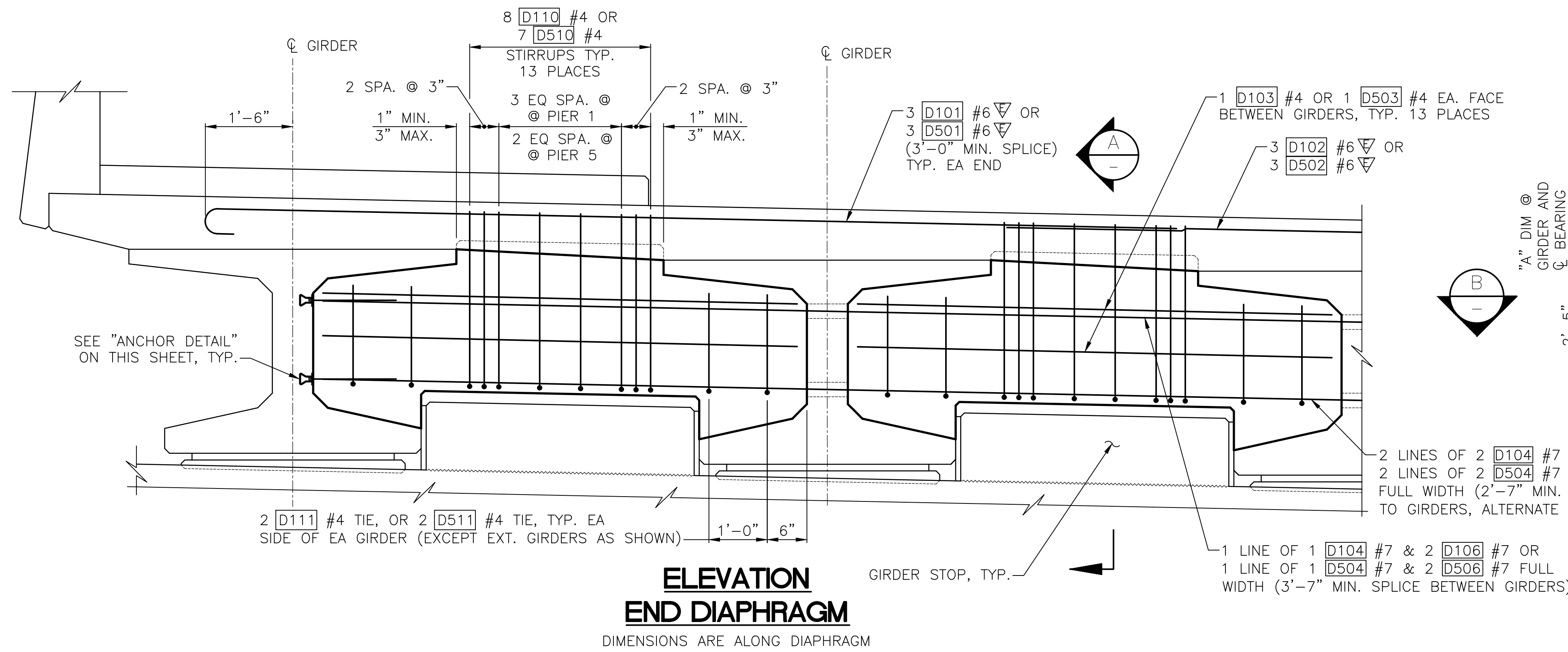
CITY OF LYNNWOOD
 POPLAR WAY EXTENSION BRIDGE
WF42G & WF66G GIRDER DETAILS 3 OF 3

Drawing No.	BR32
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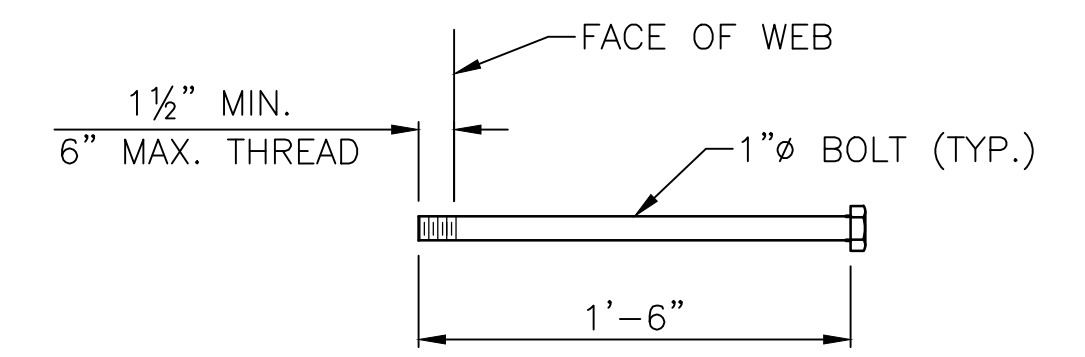
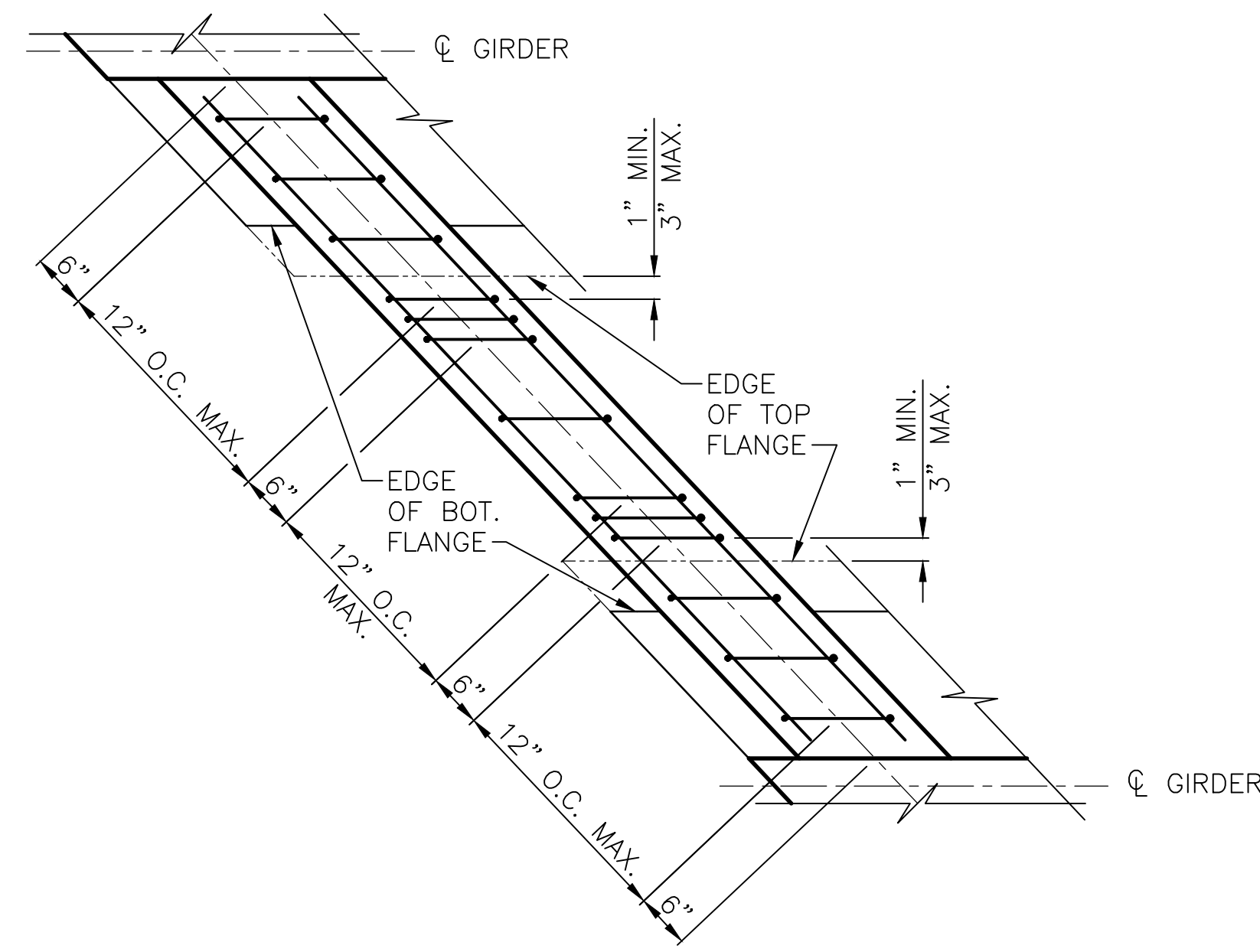
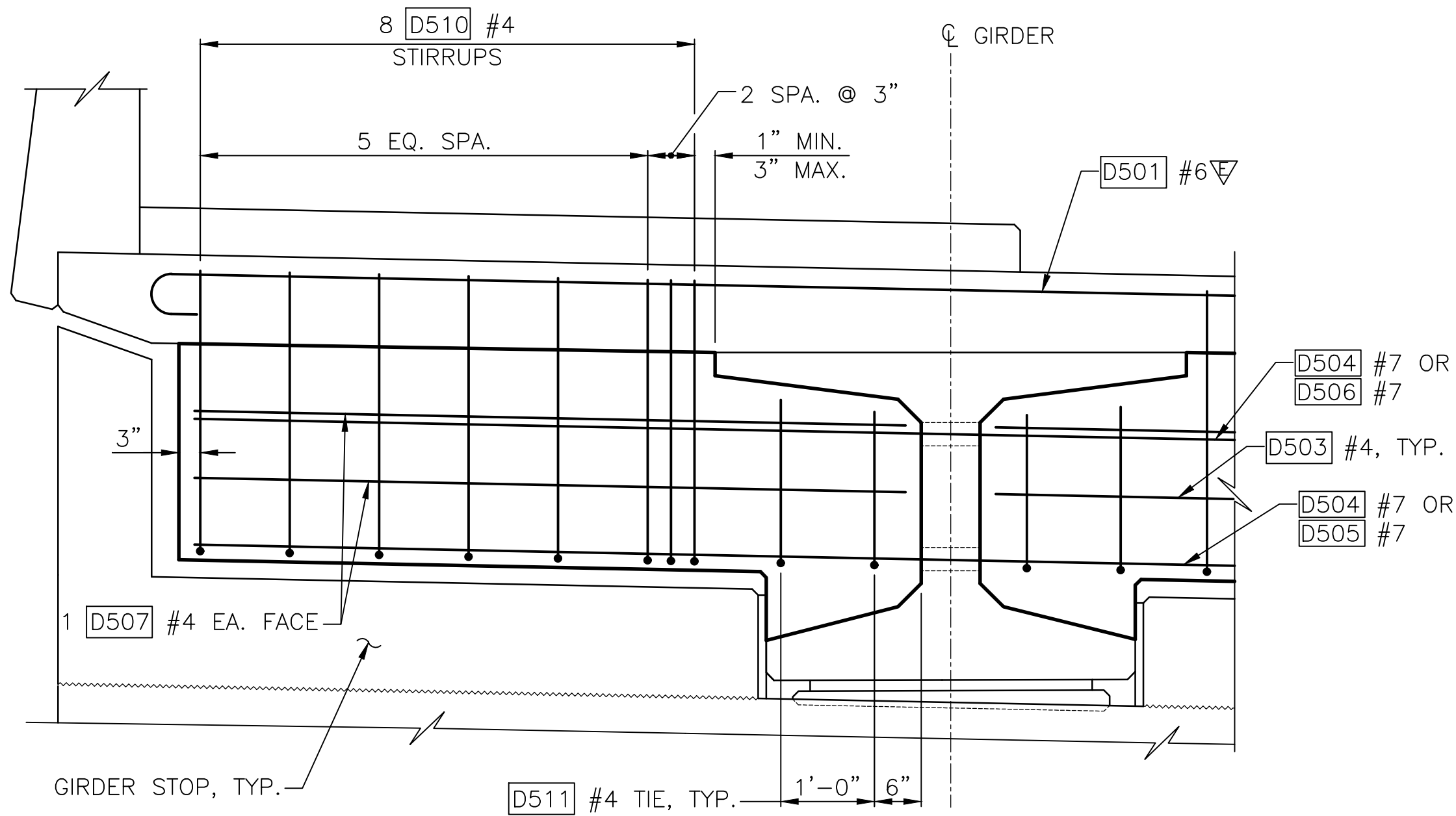
C:\S\3120 ~ PROJ. NO. TA2797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE

GIRDER SCHEDULE

SPAN	GIRDER	GIRDER SERIES	PLAN LENGTH (ALONG GIRDER GRADE) (SEE GIRDER NOTE 1)	INT. DIAPH (FULL OR PARTIAL)	GIRDER END DETAILS				MIN CONC COMP. STRENGTH		NUMBER OF STRANDS (SEE GIRDER NOTE 2)			LOCATION OF CG STRANDS			STRAIGHT STRANDS TO EXTEND				7" DIM AT CL BEARING	DECK SCREED CAMBER	MIDSPAN VERTICAL DEFLECTION, D		REINFORCEMENT DETAILS						SHIPPING AND HAULING DETAILS									
					END 1 TYPE	END 2 TYPE	Ld	Ø1	Ø2	P1	P2	28 DAYS	RELEASE	STRAIGHT	HARPED	TEMPORARY	E	F CL	Fo	END 1			END 2		LOWER BOUND @ 40 DAYS	UPPER BOUND @ 120 DAYS	ZONE 1		ZONE 2		ZONE 3		H1	MAXIMUM MIDSPAN VERTICAL DEFLECTION AT SHIPPING	L	L1	L2	KØ MINIMUM SUPPORT ROTATIONAL SPRING CONSTANT (KIP-IN/RAD)	Wcc MINIMUM SHIPPING SUPPORT CNTR-TO-CNTR WHEEL SPACING	
																				STRANDS			EXT. LENGTH	STRANDS			EXT. LENGTH	SPACING	LENGTH	SPACING	LENGTH	SPACING								LENGTH
1	A-C	WF42G	83'-9 5/8"	FULL	B	D	1'-0"	46.66	46.66	1'-4 1/2"	-	10	7	20	10	0	2 3/8"	4"	8"	-	-	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	5'-0"	14"	1"	1 1/8"	2 5/8"	3"	1'-9"	6"	12'-0"	9"	5'-3"	4'-11"	2 7/8"	3'-0"	3'-6"	3'-6"	28000	6'-0"
	D-I	WF42G	83'-9 5/8"	FULL	B	D	1'-0"	46.66	46.66	1'-4 1/2"	-	10	7	20	8	0	2 3/8"	4"	7"	-	-	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	5'-0"	14"	7/8"	1"	2 1/2"	3"	1'-9"	6"	12'-0"	9"	5'-3"	5'-1"	2 3/4"	3'-0"	3'-6"	3'-6"	28000	6'-0"
	J-K	WF42G	83'-9 1/4"	FULL	B	D	1'-0"	46.66	46.66	1'-4 1/2"	-	10	7	20	10	0	2 3/8"	4"	8"	-	-	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	5'-0"	14"	1"	1 1/8"	2 5/8"	3"	1'-9"	6"	12'-0"	9"	5'-3"	5'-1 1/2"	2 7/8"	3'-0"	3'-6"	3'-6"	28000	6'-0"
	L-N	WF42G	83'-9"	FULL	B	D	1'-0"	46.66	46.66	1'-4 1/2"	-	10	7	24	10	0	2 5/8"	4"	8"	-	-	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	5'-0"	14"	1 1/8"	1 3/8"	3 1/4"	2 1/2"	1'-10 1/2"	6"	12'-0"	9"	5'-3"	5'-1"	3 1/2"	3'-0"	3'-6"	3'-6"	28000	6'-0"
2	A-C	WF66G	129'-0 3/4"	FULL	D	D	-	46.66	46.66	-	-	10	7	36	12	0	3 3/8"	4"	9"	9, 10, 11, 12, 13, 14	5'-0"	9, 10, 13, 14	4'-9"	8 3/4"	2 1/4"	2 1/8"	5 1/8"	2.5"	1'-10 1/2"	6"	12'-0"	9"	10'-6"	7'-0"	5 1/2"	3'-6"	5'-6"	5'-6"	32000	6'-0"
	D-H	WF66G	129'-0 1/4"	FULL	D	D	-	46.66	46.66	-	-	10	7	28	12	0	2 7/8"	4"	9"	9, 10, 11, 12, 13, 14	5'-0"	9, 10, 13, 14	4'-9"	8 3/4"	1 3/4"	1 1/2"	3 3/4"	3 1/2"	1'-9"	6"	12'-0"	9"	10'-6"	7'-0 1/2"	4 1/8"	3'-6"	5'-6"	5'-6"	32000	6'-0"
	I-K	WF66G	129'-0"	FULL	D	D	-	46.66	46.66	-	-	10	7	32	12	0	3"	4"	9"	9, 10, 11, 12, 13, 14	5'-0"	9, 10, 13, 14	4'-9"	8 3/4"	1 3/4"	1 7/8"	4 1/2"	3"	1'-9"	6"	12'-0"	9"	10'-6"	7'-0 1/2"	4 7/8"	3'-6"	5'-6"	5'-6"	32000	6'-0"
	L-N	WF66G	128'-11 3/4"	FULL	D	D	-	46.66	46.66	-	-	10	7	38	12	0	3 1/2"	4"	9"	9, 10, 11, 12, 13, 14	5'-0"	9, 10, 13, 14	4'-9"	8 3/4"	2 1/4"	2 3/8"	5 1/2"	2.5"	1'-10 1/2"	6"	12'-0"	9"	10'-6"	7'-0"	5 7/8"	3'-6"	5'-6"	5'-6"	32000	6'-0"
3	A	WF66G	148'-11 1/2"	FULL	D	D	-	46.66	46.66	-	-	10	7.8	46	18	0	4 1/8"	4 3/4"	12"	15, 16, 20	4'-9"	9, 10, 11, 12, 13, 14	5'-0"	8 3/4"	4 3/8"	3 1/4"	7 5/8"	2 1/2"	2'-8 1/2"	6"	12'-0"	9"	10'-6"	7'-2 3/4"	8 1/4"	3'-6"	5'-6"	5'-6"	36000	6'-0"
	B-C	WF66G	148'-11 5/8"	FULL	D	D	-	46.66	46.66	-	-	10.1	7.8	46	18	0	4 1/8"	4 3/4"	12"	15, 16, 20	4'-9"	9, 10, 11, 12, 13, 14	5'-0"	8 3/4"	4 3/8"	3 1/4"	7 1/2"	2 1/2"	2'-8 1/2"	6"	12'-0"	9"	10'-6"	7'-2 3/4"	8 1/4"	3'-6"	5'-6"	5'-6"	36000	6'-0"
	D-G	WF66G	148'-11 3/4"	FULL	D	D	-	46.66	46.66	-	-	10	7.5	36	18	0	3 3/8"	4 3/4"	12"	15, 16, 20	4'-9"	9, 10, 11, 12, 13, 14	5'-0"	8 3/4"	3 1/2"	2 1/2"	5 3/4"	2 1/2"	1'-10 1/2"	6"	12'-0"	9"	10'-6"	7'-3 1/4"	6 3/8"	3'-6"	5'-6"	5'-6"	36000	6'-0"
	H-J	WF66G	149'-0"	FULL	D	D	-	46.66	46.66	-	-	10	7.5	36	18	0	3 3/8"	4 3/4"	12"	15, 16, 20	4'-9"	9, 10, 11, 12, 13, 14	5'-0"	8 3/4"	3 1/2"	2 1/2"	5 3/4"	2 1/2"	1'-10 1/2"	6"	12'-0"	9"	10'-6"	7'-3 1/4"	6 3/8"	3'-6"	5'-6"	5'-6"	36000	6'-0"
	K	WF66G	149'-0 1/4"	FULL	D	D	-	46.66	46.66	-	-	10	7.5	40	18	0	3 5/8"	4 3/4"	12"	15, 16, 20	4'-9"	9, 10, 11, 12, 13, 14	5'-0"	8 3/4"	4"	2 7/8"	6 5/8"	2 1/2"	1'-10 1/2"	6"	12'-0"	9"	10'-6"	7'-3 1/4"	7 1/4"	3'-6"	5'-6"	5'-6"	36000	6'-0"
	L-M	WF66G	149'-0 1/2"	FULL	D	D	-	46.66	46.66	-	-	10.2	8.1	46	20	0	4 1/8"	4 7/8"	13"	15, 16, 20	4'-9"	9, 10, 11, 12, 13, 14	5'-0"	8 3/4"	4 1/4"	3 1/4"	7 5/8"	2 1/2"	2'-8 1/2"	6"	12'-0"	9"	10'-6"	7'-3"	8 1/4"	3'-6"	5'-6"	5'-6"	36000	6'-0"
	N	WF66G	149'-0 1/2"	FULL	D	D	-	46.66	46.66	-	-	10	7.5	44	20	6	3 7/8"	4 7/8"	13"	15, 16, 20	4'-9"	9, 10, 11, 12, 13, 14	5'-0"	8 3/4"	3 7/8"	3 1/8"	7"	2 1/2"	2'-8 1/2"	6"	12'-0"	9"	10'-6"	7'-3"	6 3/8"	3'-6"	5'-6"	5'-6"	36000	6'-0"
4	A	WF42G	94'-6 5/8"	FULL	D	B	1'-0"	51.2	54.1	1'-2 7/8"	-	10	7.5	32	12	0	3"	4"	9"	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	5'-0"	-	-	11 1/2"	2 1/4"	2 1/8"	5"	2 1/2"	2'-8 1/2"	6"	12'-0"	9"	10'-6"	5'-3 1/2"	5 1/4"	3'-0"	3'-6"	3'-6"	28000	6'-0"
	B	WF42G	93'-3 3/8"	FULL	D	B	1'-0"	51.81	54.7	1'-2 3/4"	-	10	7	30	12	0	2 7/8"	4"	9"	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	5'-0"	-	-	11 1/2"	1 7/8"	2"	4 3/4"	2 1/2"	2'-8 1/2"	6"	12'-0"	9"	5'-3"	5'-3 1/4"	5 1/8"	3'-0"	3'-6"	3'-6"	28000	6'-0"
	C	WF42G	92'-0 1/8"	FULL	D	B	1'-0"	52.44	55.33	1'-2 5/8"	-	10	7	28	12	0	2 7/8"	4"	9"	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	5'-0"	-	-	11 1/2"	1 3/4"	1 7/8"	4 3/8"	2 1/2"	2'-8 1/2"	6"	12'-0"	9"	5'-3"	5'-2 1/2"	4 5/8"	3'-0"	3'-6"	3'-6"	28000	6'-0"
	D	WF42G	90'-9"	FULL	D	B	1'-0"	53.08	55.97	1'-2 1/2"	-	10	7	24	10	0	2 5/8"	4"	8"	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	5'-0"	-	-	11 1/2"	1 3/8"	1 1/2"	3 1/2"	2 1/2"	1'-10 1/2"	6"	12'-0"	9"	5'-3"	5'-2"	3 3/4"	3'-0"	3'-6"	3'-6"	28000	6'-0"
	E	WF42G	89'-6"	FULL	D	B	1'-0"	53.74	56.63	1'-2 3/8"	-	10	7	22	10	0	2 1/2"	4"	8"	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	5'-0"	-	-	11 1/2"	1 1/4"	1 3/8"	3 1/8"	2 1/2"	1'-10 1/2"	6"	12'-0"	9"	5'-3"	5'-0 3/4"	3 3/8"	3'-0"	3'-6"	3'-6"	28000	6'-0"
	F	WF42G	88'-3 1/8"	FULL	D	B	1'-0"	54.42	57.31	1'-2 1/4"	-	10	7	22	10	0	2 1/2"	4"	8"	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	5'-0"	-	-	11 1/2"	1 1/8"	1 1/4"	3 1/8"	2 1/2"	1'-10 1/2"	6"	12'-0"	9"	5'-3"	4'-11 3/4"	3 3/8"	3'-0"	3'-6"	3'-6"	28000	6'-0"
	G	WF42G	87'-0 3/8"	FULL	D	B	1'-0"	55.12	58.01	1'-2 1/8"	-	10	7	20	10	0	2 3/8"	4"	8"	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	5'-0"	-	-	11 1/2"	1"	1 1/8"	2 3/4"	3"	1'-9"	6"	12'-0"	9"	5'-3"	4'-11"	3"	3'-0"	3'-6"	3'-6"	28000	6'-0"
	H	WF42G	85'-9 7/8"	FULL	D	B	1'-0"	55.84	58.73	1'-2"	-	10	7	20	10	0	2 3/8"	4"	8"	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	5'-0"	-	-	11 1/2"	1"	1 1/8"	2 3/4"	3"	1'-9"	6"	12'-0"	9"	5'-3"	4'-10"	3"	3'-0"	3'-6"	3'-6"	28000	6'-0"
	I	WF42G	84'-7 3/8"	FULL	D	B	1'-0"	56.58	59.47	1-1 7/8"	-	10	7	20	8	0	2 3/8"	4"	7"	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	5'-0"	-	-	11 1/2"	7/8"	1"	2 1/2"	3"	1'-9"	6"	12'-0"	9"	5'-3"	4'-9 1/2"	2 3/4"	3'-0"	3'-6"	3'-6"	28000	6'-0"
	J	WF42G	83'-5"	FULL	D	B	1'-0"	57.34	60.24	1-1 7/8"	-	10	7	20	8	0	2 3/8"	4"	7"	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	5'-0"	-	-	11 1/2"	3/4"	1"	2 1/2"	3"	1'-9"	6"	12'-0"	9"	5'-3"	4'-9"	2 3/4"	3'-0"	3'-6"	3'-6"	28000	6'-0"
	K	WF42G	82'-2 7/8"	FULL	D	B	1'-0"	58.13	61.02	1'-1 3/4"	-	10	7	18	8	0	2 1/2"	4"	7"	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	5'-0"	-	-	11 1/2"	3/4"	7/8"	2 1/8"	3"	1'-9"	6"	12'-0"	9"	5'-3"	4'-9"	2 3/8"	3'-0"	3'-6"	3'-6"	28000	6'-0"
	L	WF42G	81'-1"	FULL	D	B	1'-0"	58.93	61.83	1'-1 5/8"	-	10	7	22	10	0	2 1/2"	4"	8"	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	5'-0"	-	-	11 1/2"	7/8"	1 1/4"	2 7/8"	2 1/2"	1'-10 1/2"	6"	12'-0"	9"	5'-3"	4'-8 1/2"	3"	3'-0"	3'-6"	3'-6"	28000	6'-0"
	M	WF42G	79'-11 1/4"	FULL	D	B	1'-0"	59.76	62.66	1'-1 1/2"	-	10	7	20	10	0	2 3/8"	4"	8"	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	5'-0"	-	-	11 1/2"	7/8"	1 1/8"	2 1/2"	2 1/2"	1'-10 1/2"	6"	12'-0"	9"	10'-6"	4'-8 1/2"	2 3/4"	3'-0"	3'-6"	3'-6"	28000	6'-0"
	N	WF42G	78'-9 3/4"	FULL	D	B	1'-0"	60.62	63.51	1'-1 3/8"	-	10	7	24	10	2	2 5/8"	4"	8"	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	5'-0"	-	-	11 1/2"	7/8"	1 1/4"	2 7/8"	2 1/2"	2'-8 1/2"											



LONGITUDINAL DIMENSIONS ARE NORMAL TO DIAPHRAGM.
GIRDER STOP NOT SHOWN FOR CLARITY.
+ GRADE SHOWN, -GRADE SIMILAR.



- NOTES:**
- GIRDERS SHALL BE HELD RIGIDLY IN PLACE WHEN DIAPHRAGMS ARE PLACED.
 - THREAD #7 REINFORCING BARS THROUGH HOLES IN GIRDERS PRIOR TO PLACING EXTERIOR GIRDERS.
 - CUT/RELEASE GIRDER TEMPORARY STRANDS BEFORE CASTING DIAPHRAGM. SEE TEMPORARY STRAND CUTTING SEQUENCE.
 - LONGITUDINAL DIMENSIONS ARE NORMAL TO SKEW.
 - FOR CONCRETE PLACEMENT PROCEDURE SEE "CONSTRUCTION SEQUENCE SUPERSTRUCTURE" ON BR5.

90% REVIEW
NOT FOR CONSTRUCTION

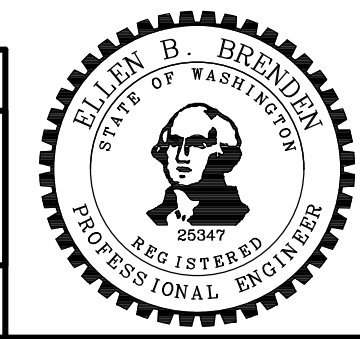
May 04, 2023 - 12:23pm adharper \\seaw01\jbs6024\CADD\DRS001\Drawings\STRUC\0100166_BR34.dwg Layout Name: Wf42G End Diaphragm Details

No.	Date	Revision	By	Appr.

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WASHINGTON**

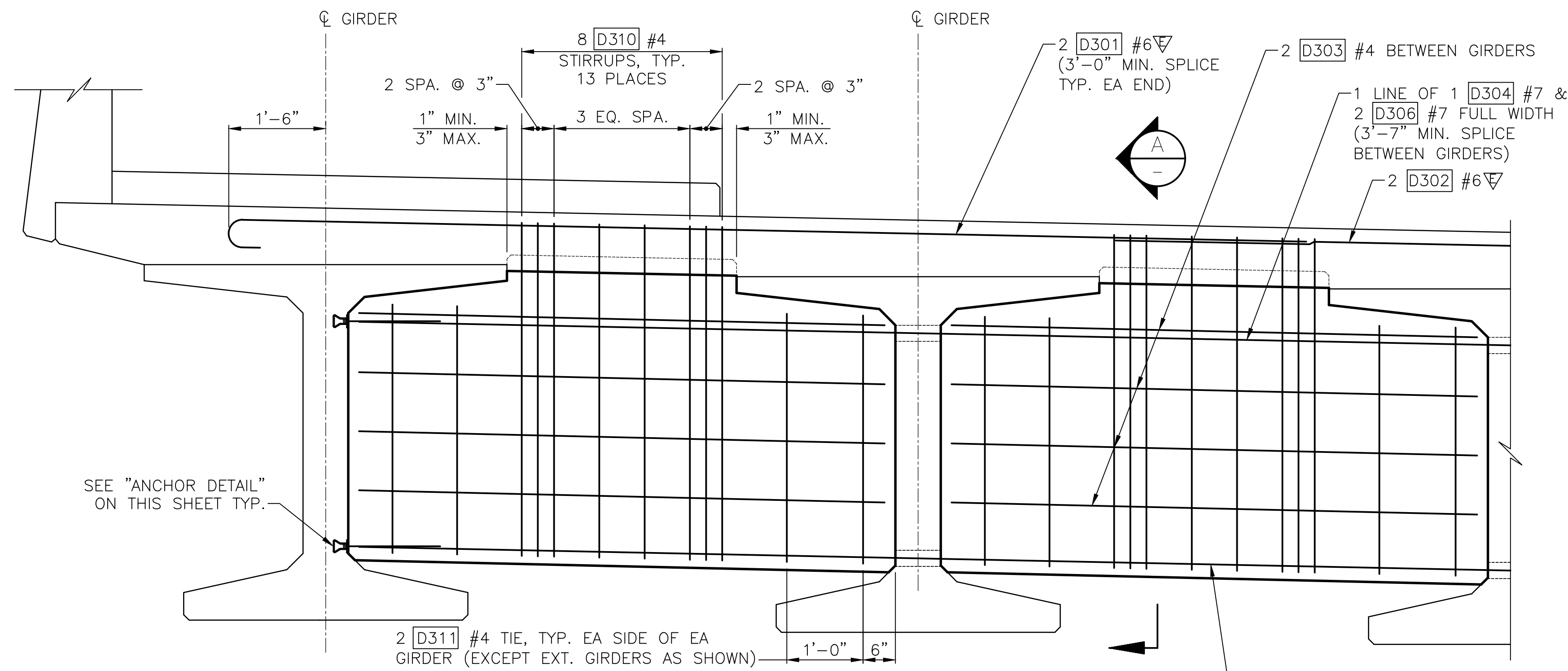


Drawn By ADH	Date 4/3/23	SCALE
Designed By SM	4/3/23	Horiz N/A
Checked By EBB	4/3/23	Vert N/A
Approved By		Project Number 20100156

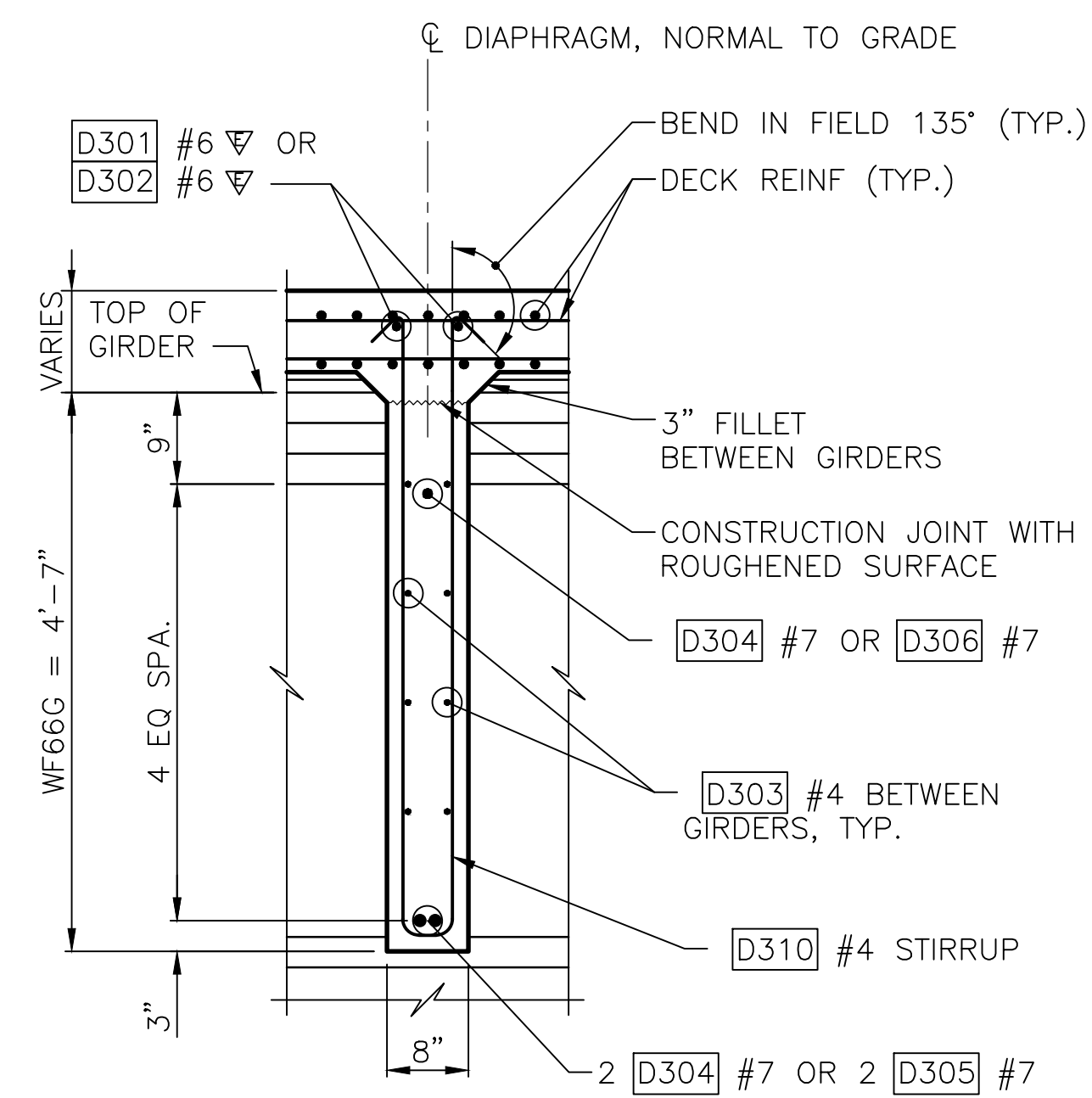
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
END DIAPHRAGM DETAILS

Drawing No. BR34
Sheet No.
of Total

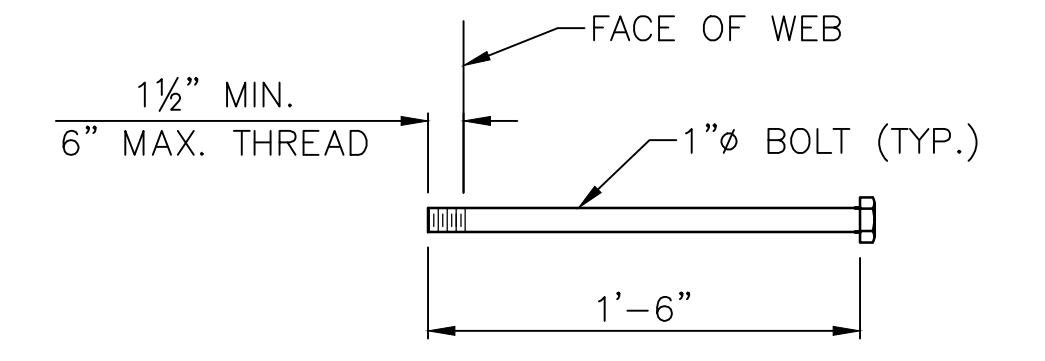
C:\S1\20 - PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



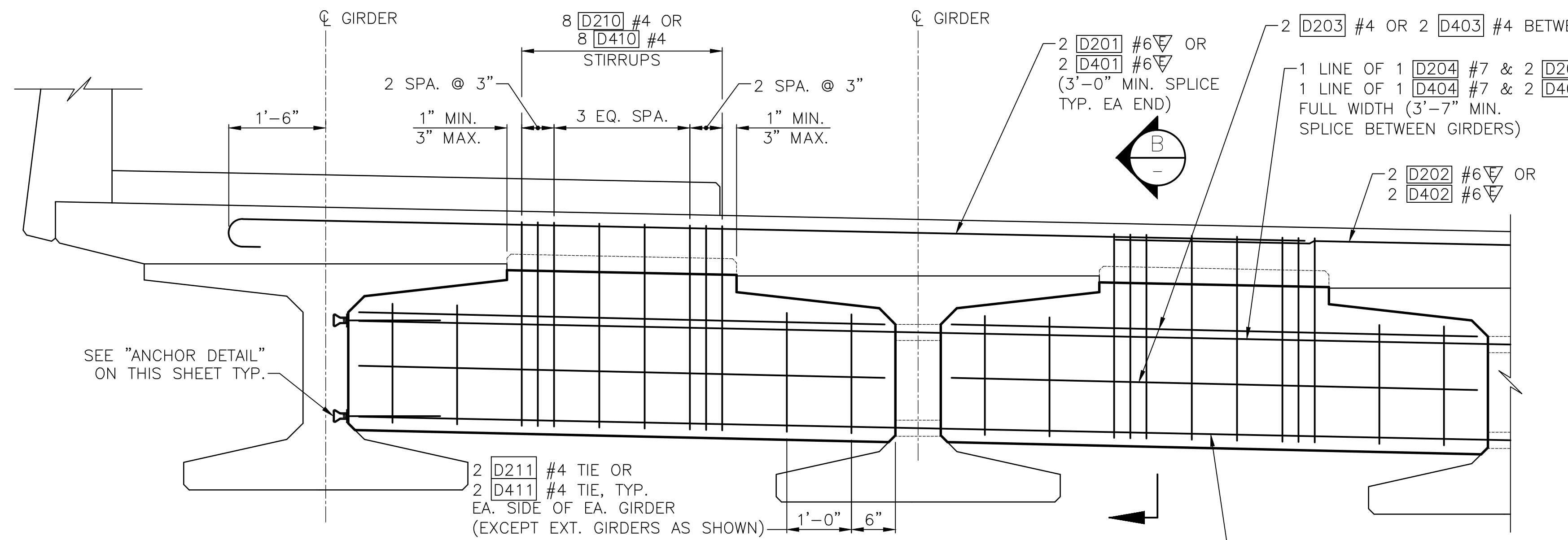
**WF66G GIRDER ELEVATION
INTERMEDIATE DIAPHRAGM**
DIMENSIONS ARE ALONG DIAPHRAGM



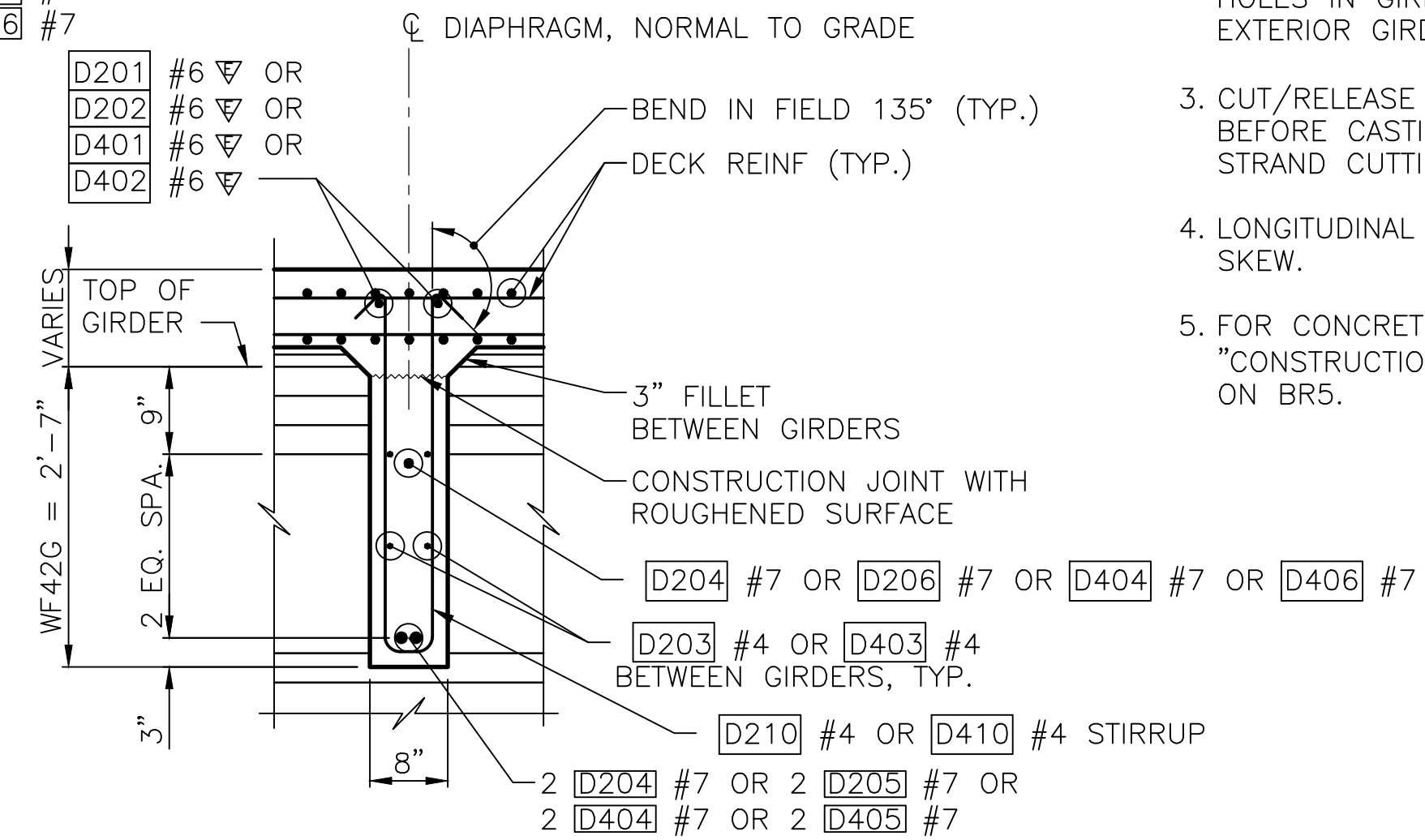
SECTION A
SEE GIRDER SCHEDULE ON DWG BR33 FOR DIMENSION "A".



ANCHOR DETAIL
ASTM A-307



**WF42G GIRDER ELEVATION
INTERMEDIATE DIAPHRAGM**
DIMENSIONS ARE ALONG DIAPHRAGM



SECTION B
SEE GIRDER SCHEDULE ON DWG BR33 FOR DIMENSION "A".

- NOTES:**
- GIRDERS SHALL BE HELD RIGIDLY IN PLACE WHEN DIAPHRAGMS ARE PLACED.
 - THREAD #7 REINFORCING BARS THROUGH HOLES IN GIRDERS PRIOR TO PLACING EXTERIOR GIRDERS.
 - CUT/RELEASE GIRDER TEMPORARY STRANDS BEFORE CASTING DIAPHRAGM. SEE TEMPORARY STRAND CUTTING SEQUENCE.
 - LONGITUDINAL DIMENSIONS ARE NORMAL TO SKEW.
 - FOR CONCRETE PLACEMENT PROCEDURE SEE "CONSTRUCTION SEQUENCE SUPERSTRUCTURE" ON BR5.

90% REVIEW
NOT FOR CONSTRUCTION

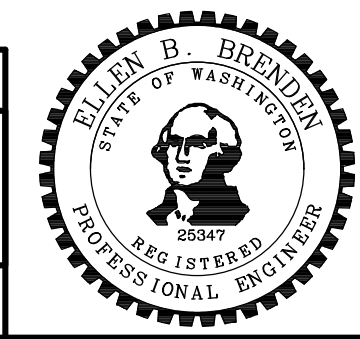
May 04, 2023 - 12:23pm adharper l:\seaw\0\jbs\6\024\CADD\DS01\Drawings\STRUC\0100166_BR35.dwg Layout Name: .WF42G & WF66G Intermediate Diaphragms

No.	Date	Revision	By	Appr.

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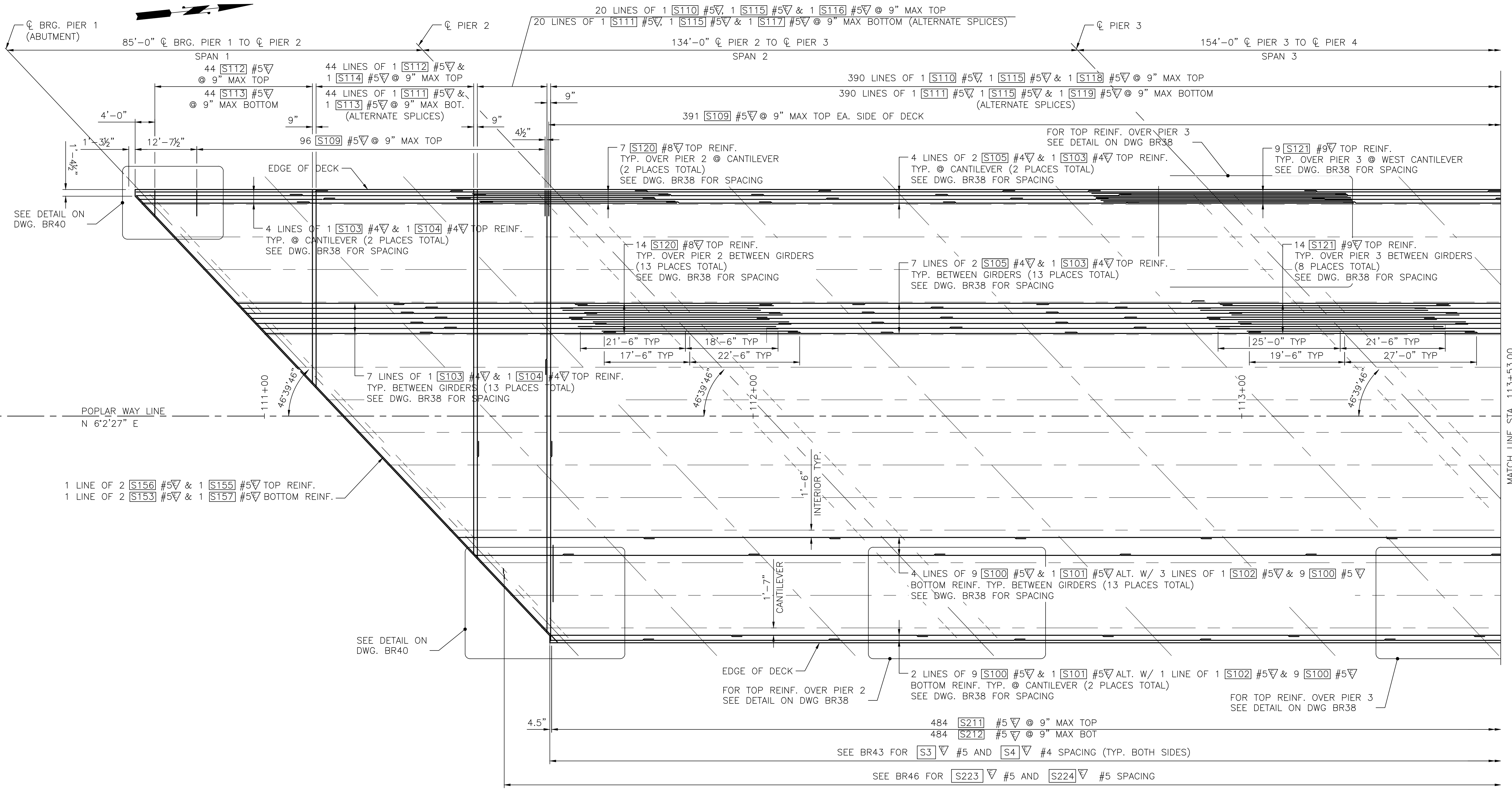


Drawn By	Date	SCALE
ADH	4/3/23	Horiz N/A
Designed By	4/3/23	Vert N/A
Checked By	4/3/23	Project Number 20100156
Approved By		

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
INTERMEDIATE DIAPHRAGM DETAILS

Drawing No.	BR35
Sheet No.	
of Total	

C/S 3120 ~ PROJ. NO. TA2797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



DECK REINFORCING PLAN

90% REVIEW
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May 08, 2023 4:43pm a:harper: \\saw001\jobs\60024\CADD\Drawings\STRUC\2010156_BR36.dwg Layout Name: Deck Reinforcing Plan 1

No.	Date	Revision	By	Appr.

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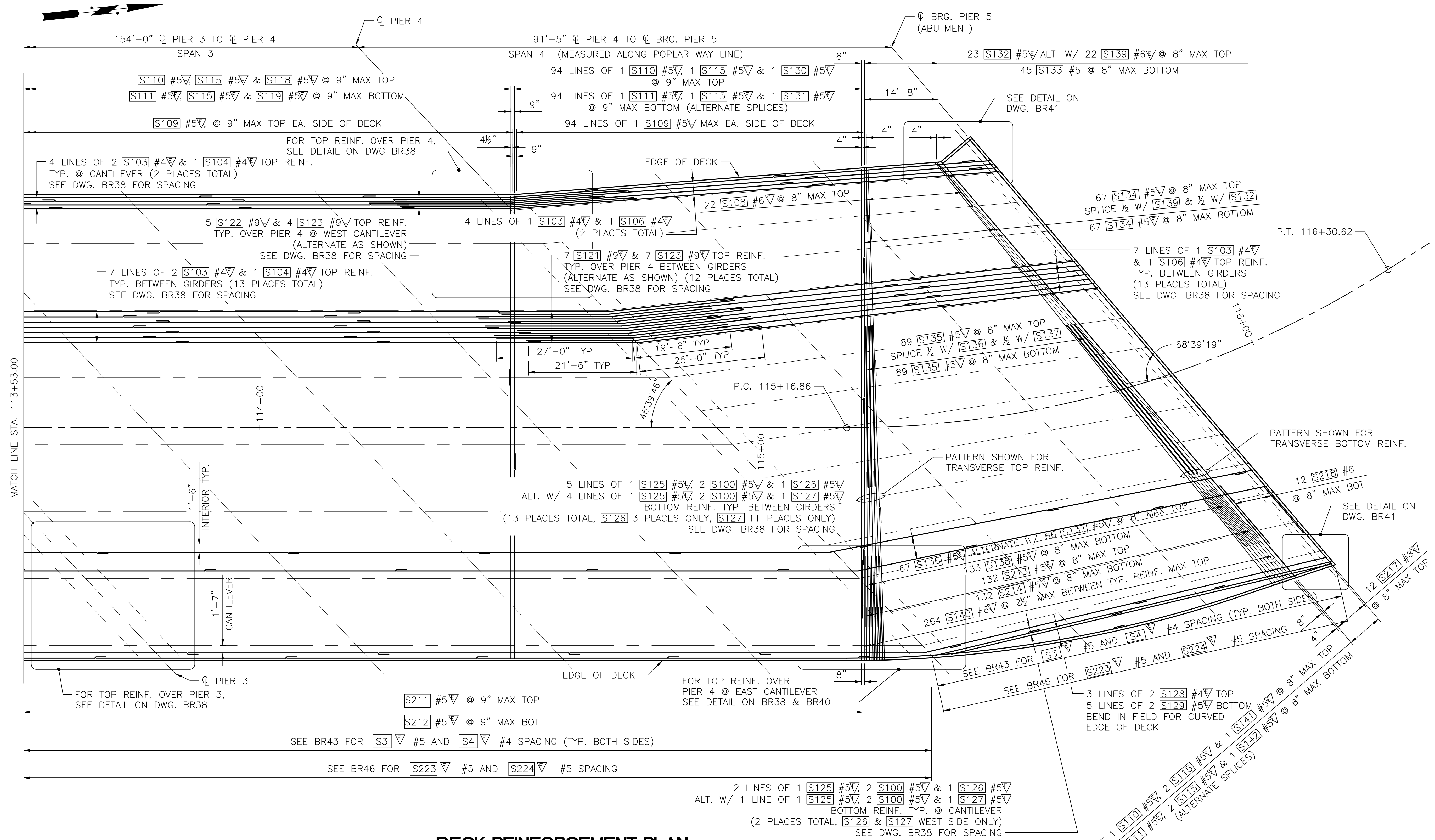
LYNNWOOD WASHINGTON



Drawn By	ADH	Date	4/3/23
Designed By	SM	Date	4/3/23
Checked By	EBB	Date	4/3/23
Approved By			

CITY OF LYNNWOOD
 POPLAR WAY EXTENSION BRIDGE
 DECK REINFORCING PLAN 1 OF 2

Drawing No. **BR36**
 Sheet No. **1** of Total **2**



DECK REINFORCEMENT PLAN

90% REVIEW
NOT FOR CONSTRUCTION

May 09, 2023 - 10:43am - adharner \\seaw001\jobs\60024\CADD\DRG\1\Drawings\STRUC\00100156_BR37.dwg Layout Name: Deck Reinforcing Plan 2

No.	Date	Revision	By	Appr.

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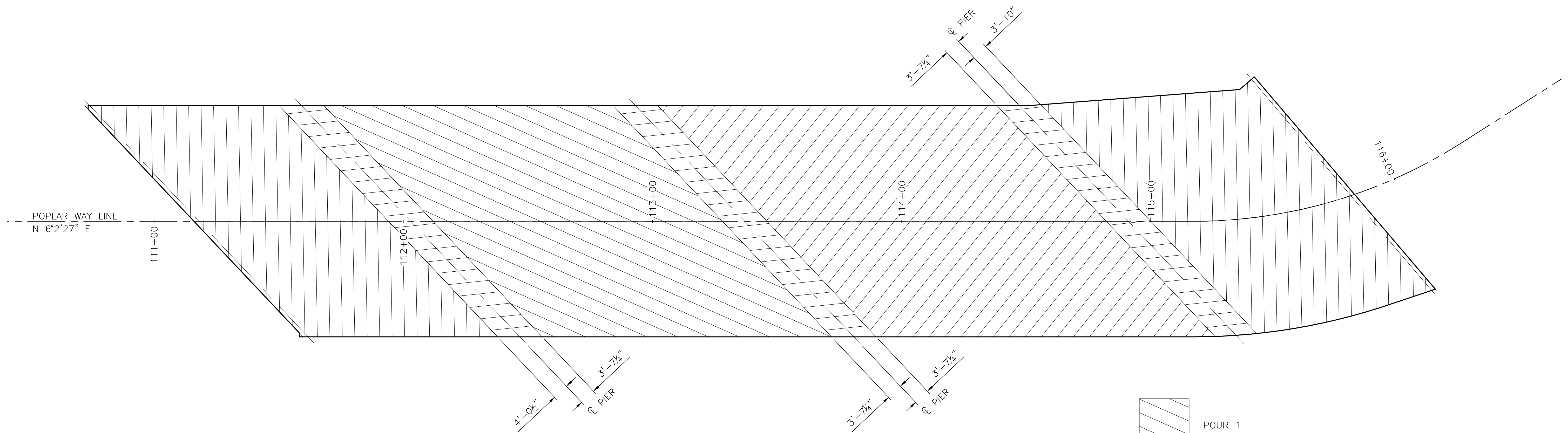


Drawn By	ADH	Date	4/3/23
Designed By	SM	Date	4/3/23
Checked By	EBB	Date	4/3/23
Approved By		Date	

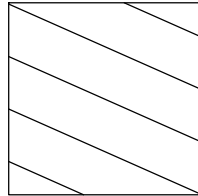
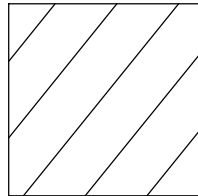
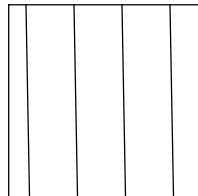
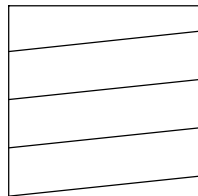
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
DECK REINFORCING PLAN 2 OF 2

Drawing No.	BR37
Sheet No.	
Project Number	20100156
of Total	

C:\S\3120 ~ PROJ. NO. TA2797 ~ NORTHWEST REGION ~ 1-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



DECK PLACEMENT SEQUENCE

-  POUR 1
-  POUR 2
-  POUR 3
-  POUR 4

90% REVIEW
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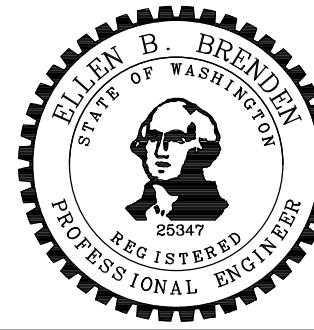
May 04, 2023 - 12:24pm adharper \\seaw01\p1616024\CADD\DS001\Drawings\STRUC\20100166_BR39.dwg Layout Name: Deck Placement Sequence

No.	Date	Revision	By	Appr.

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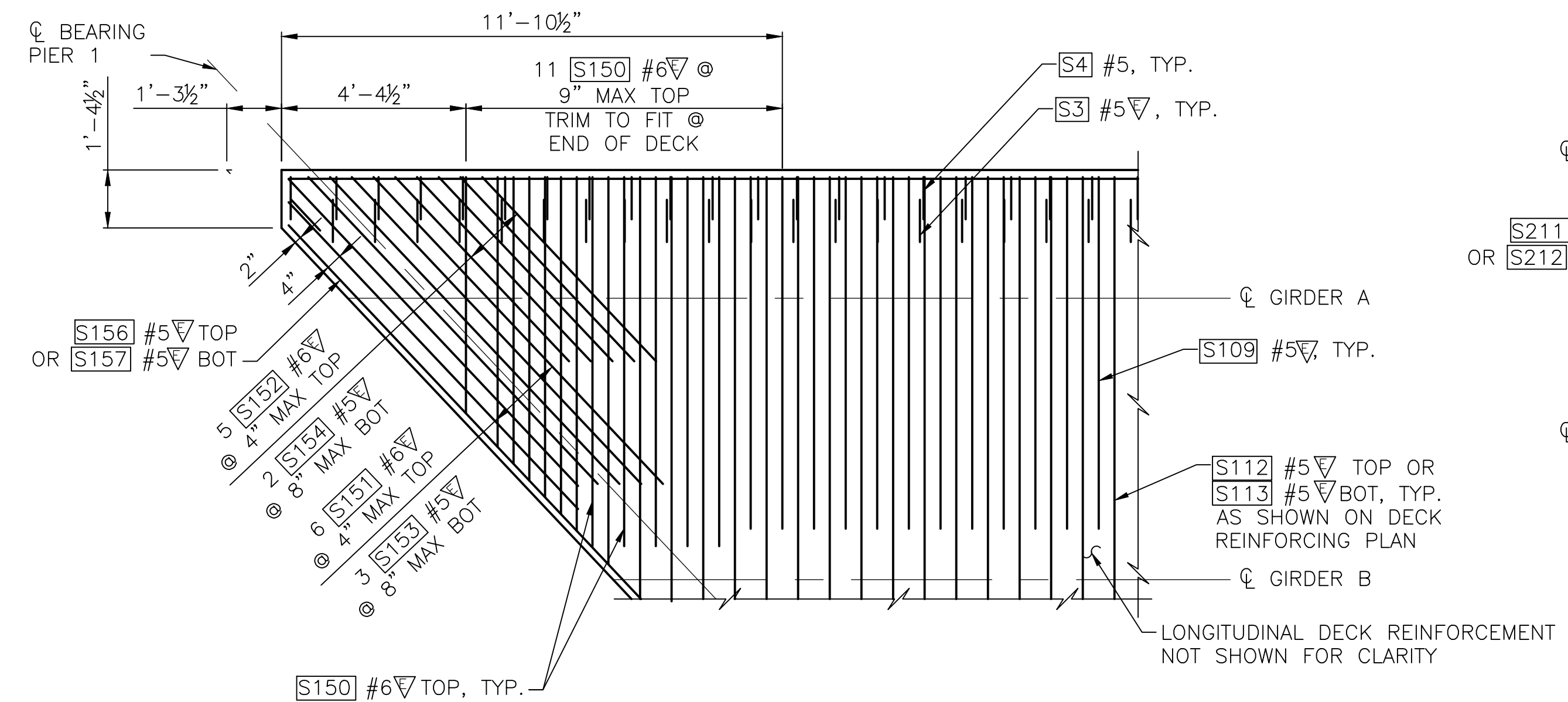


Drawn By	Date	SCALE
ADH	4/3/23	Horiz N/A
Designed By		Vert N/A
EBB	4/3/23	
Checked By		
IZ	4/3/23	
Approved By		Project Number 20100156

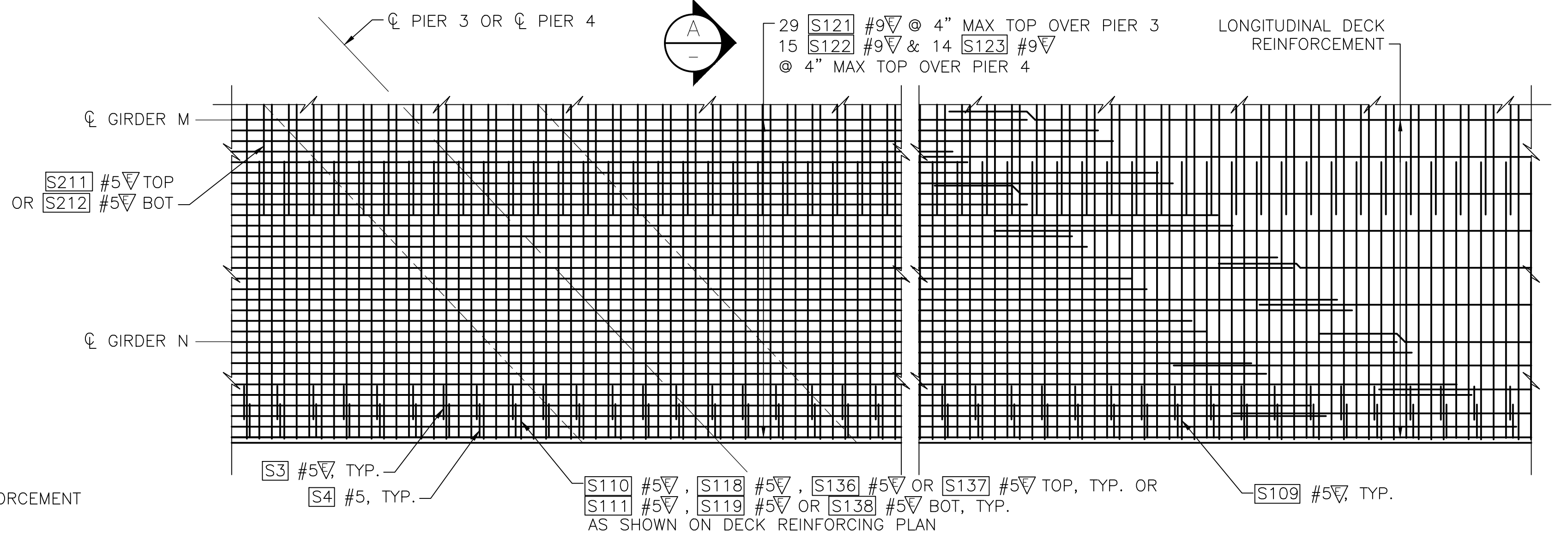
CITY OF LYNNWOOD
 POPLAR WAY EXTENSION BRIDGE
DECK PLACEMENT SEQUENCE

Drawing No.
BR39
 Sheet No.
 of Total

C:\S1\120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE

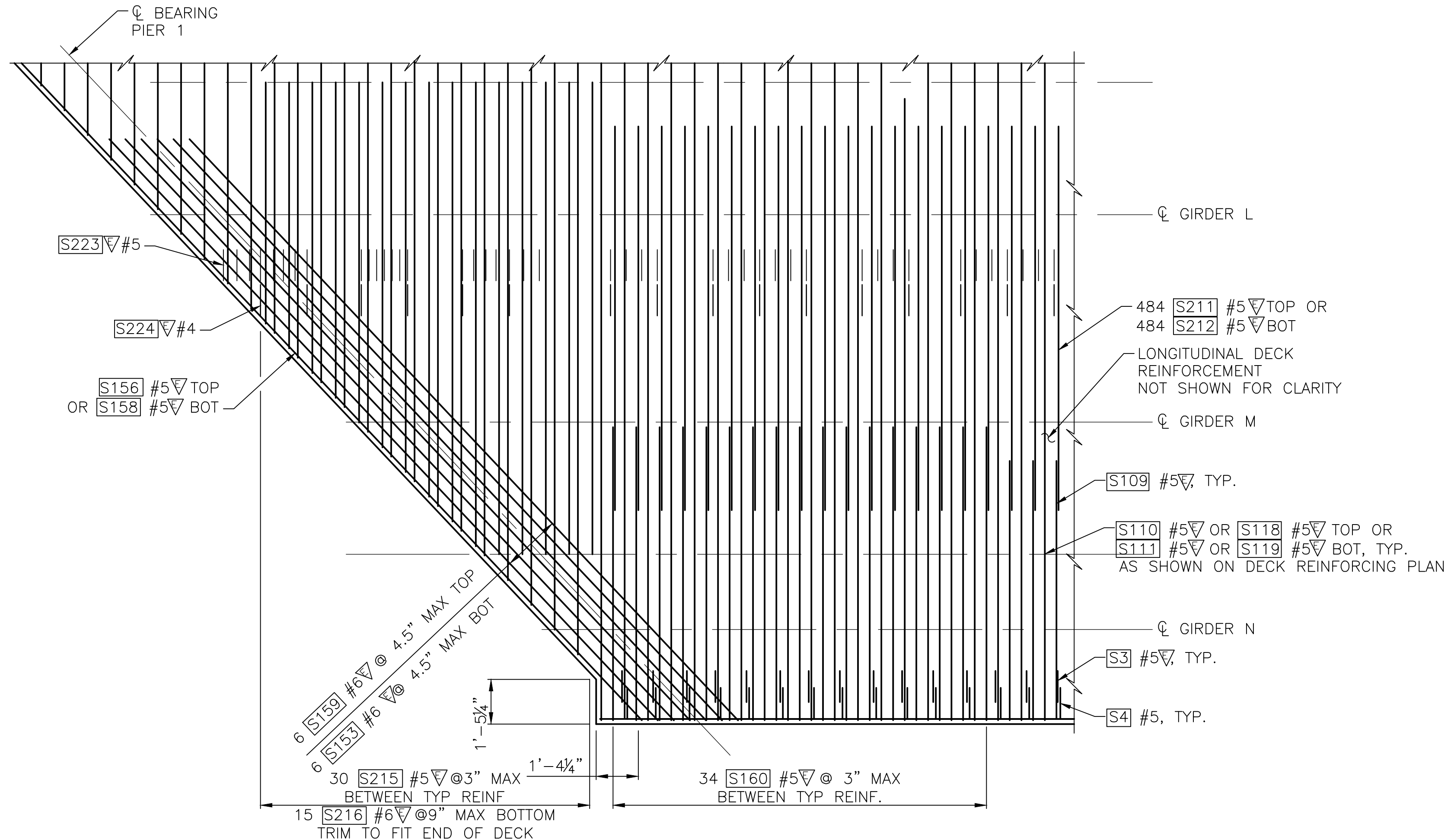


SOUTHWEST CORNER

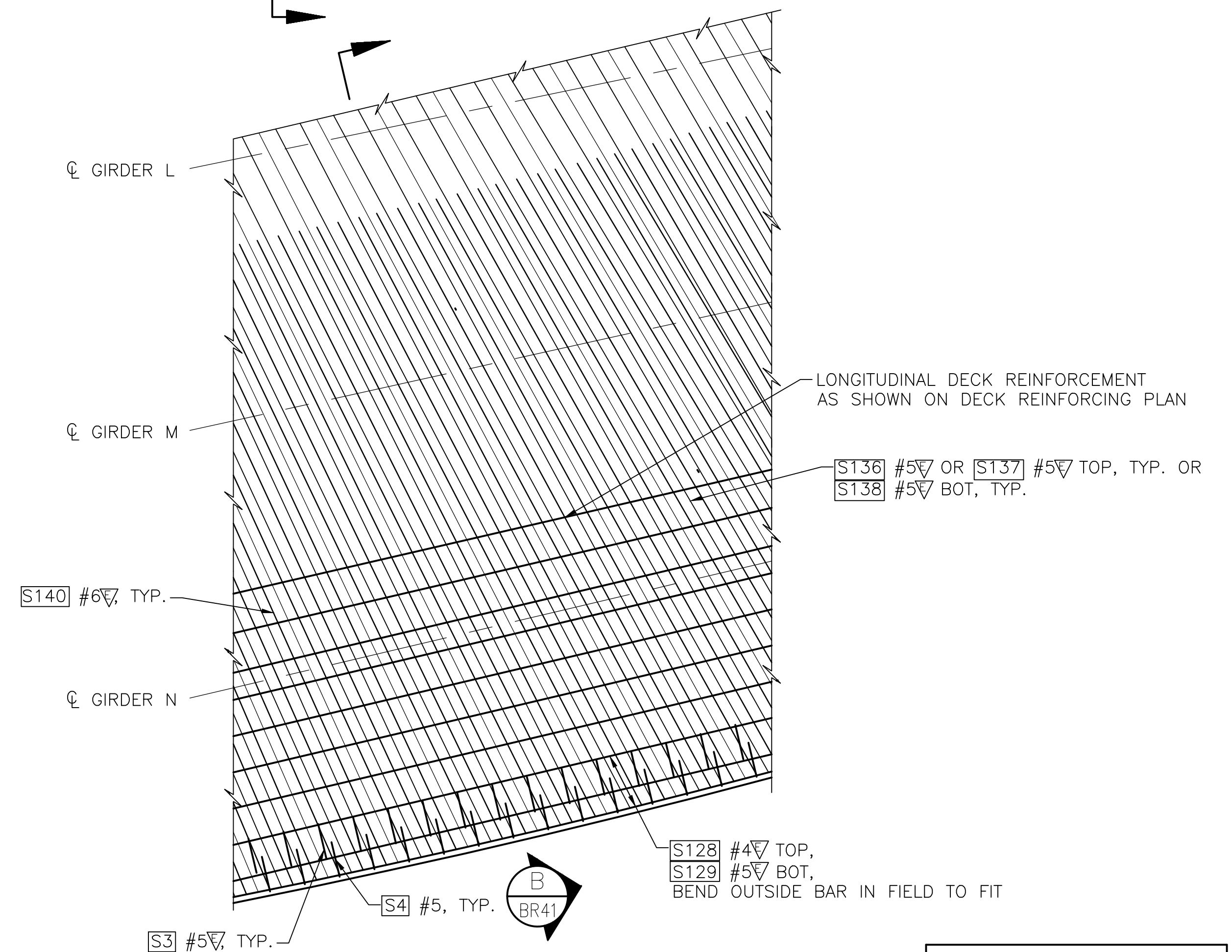


DECK AT PIERS 3 AND 4 EAST SIDE

(PIER 3 SHOWN, PIER 4 WEST GEOMETRY SIM.)



SOUTHEAST CORNER



SPAN 4 EAST SIDE CANTILEVER

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May 09, 2023 2:20pm a:harper: h:\saw00\jobs\60024\CADD\Drawings\STRUC\20100156_BR40.dwg Layout Name: Slab Corner Plans & Details 1

No.	Date	Revision	By	Appr.

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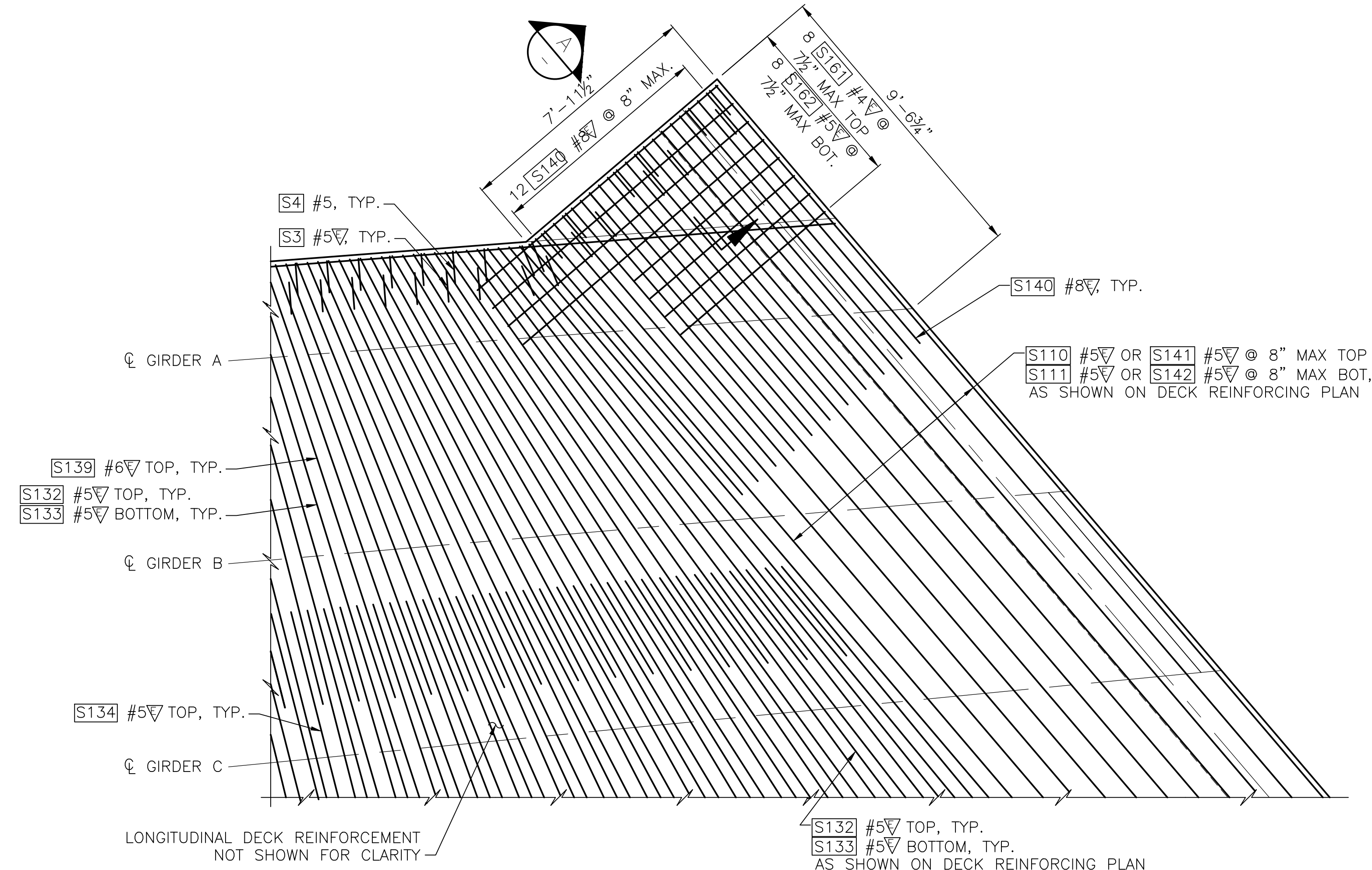


Drawn By	Date	SCALE
ADH	4/3/23	
Designed By	4/3/23	Horiz N/A
SM		Vert N/A
Checked By	4/3/23	
ESB		
Approved By		Project Number 20100156

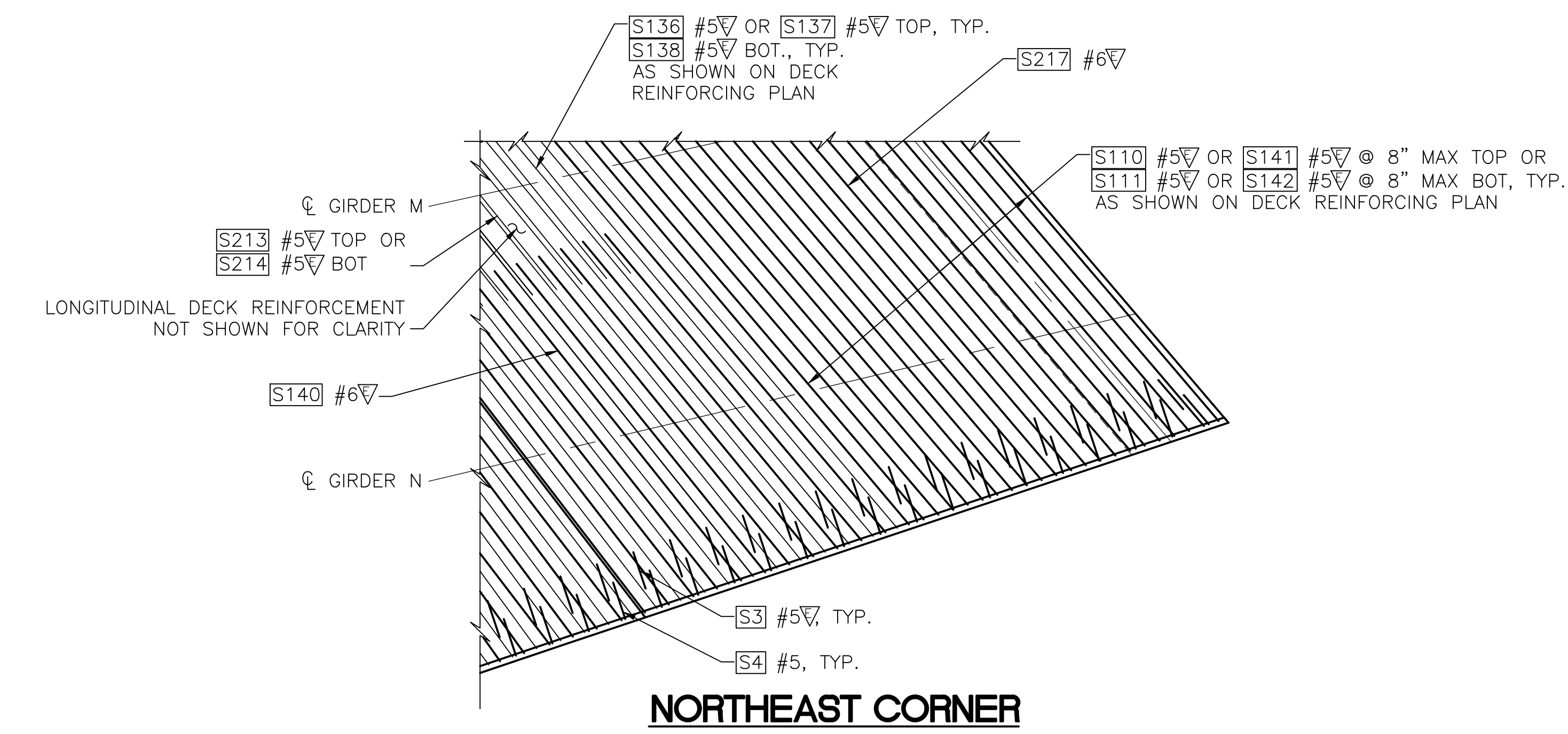
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
DECK REINFORCEMENT DETAILS 1 OF 2

Drawing No.	BR40
Sheet No.	
of Total	

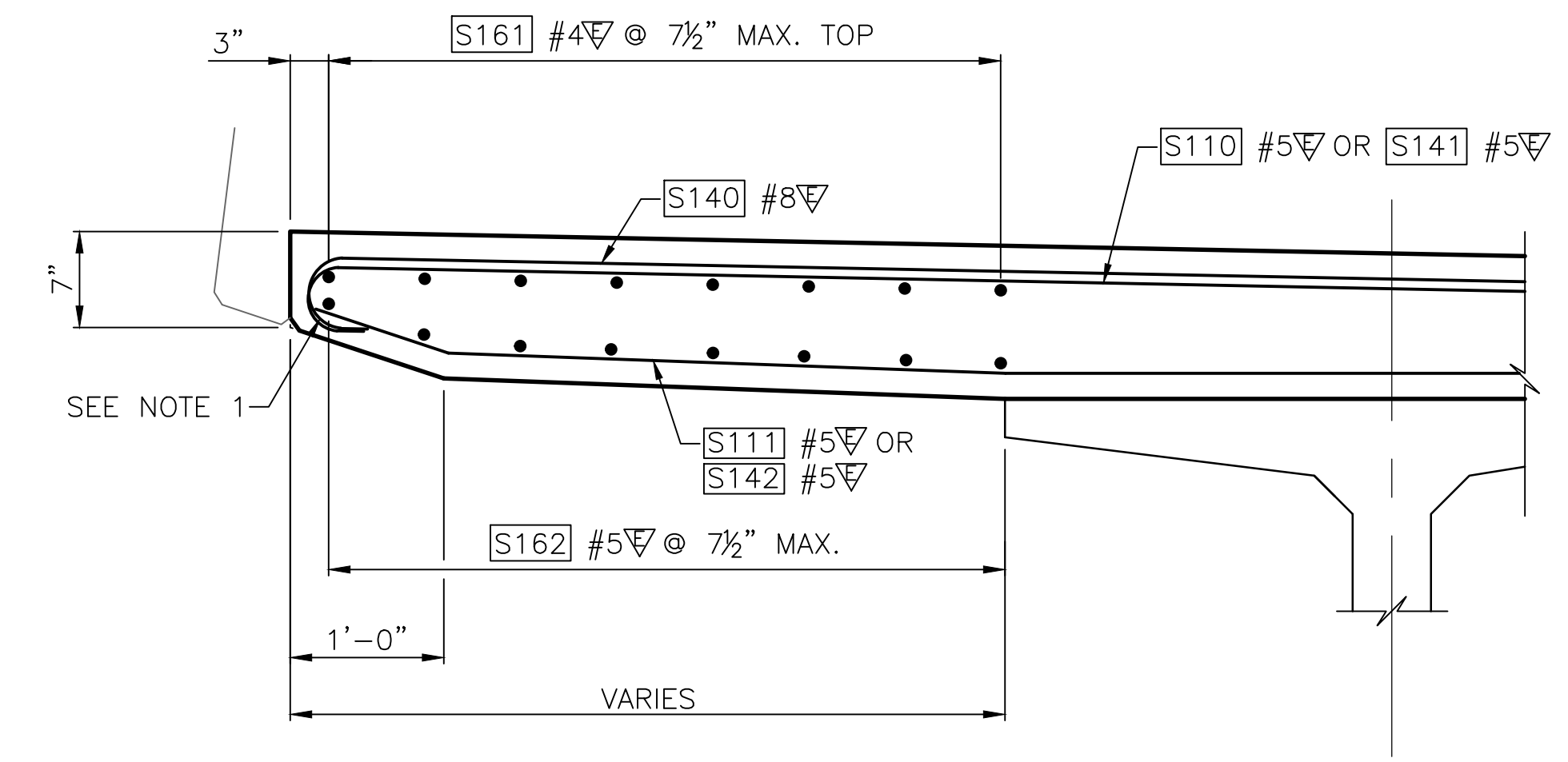
PROJ. NO. TA2797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



NORTHWEST CORNER

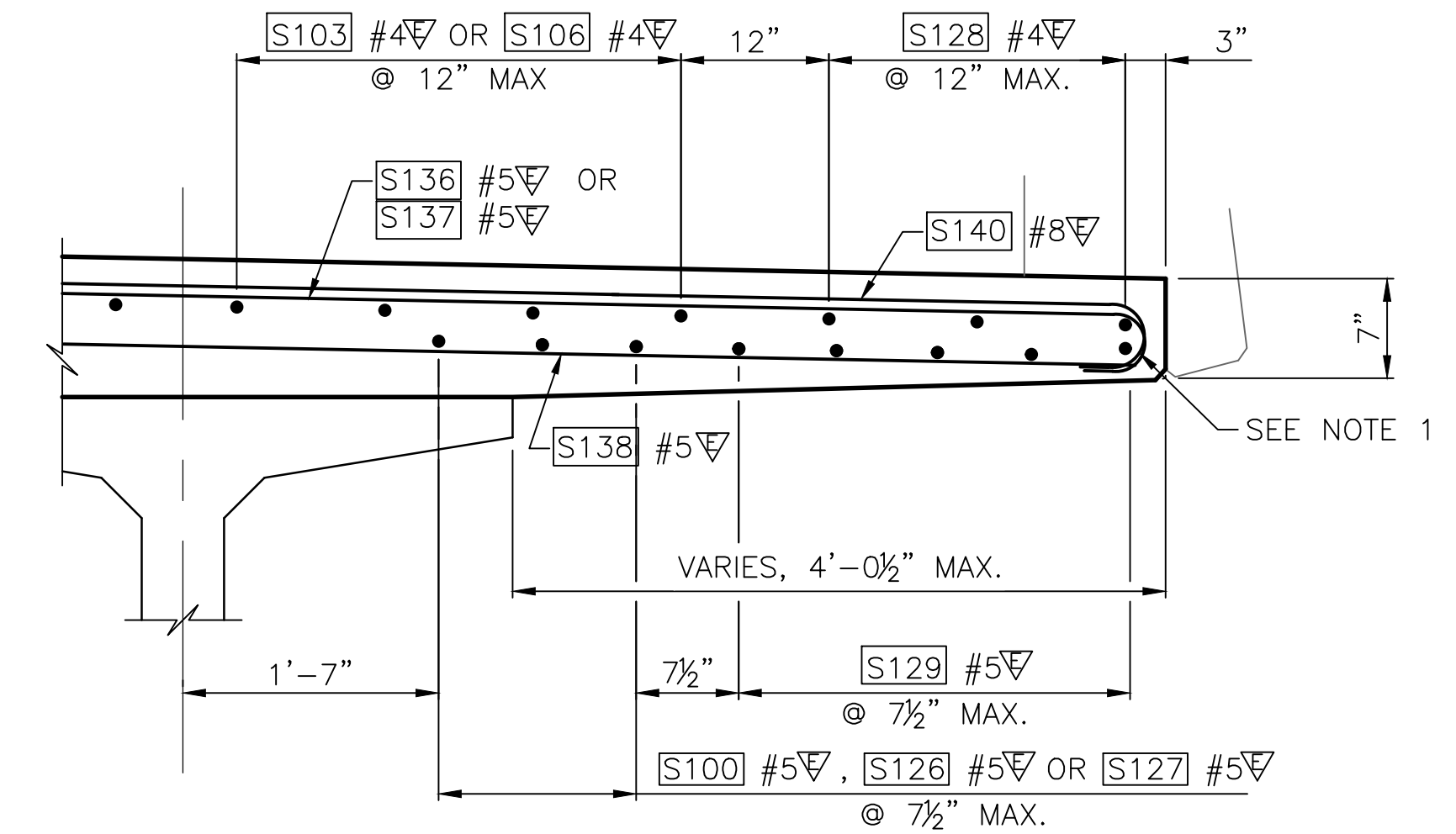


NORTHEAST CORNER



SECTION A

NOTE 1. ROTATE END HOOKS OF TRANSVERSE REINFORCEMENT TO PROVIDE REQUIRED CLEAR COVER.



SECTION B

90% REVIEW
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May 09, 2023 - 2:19pm asharpner:\asaw00\jobs\60029\CADD\Drawings\STRUC\20100156_BR41.dwg Layout Name: Slab Corner Plans & Details 2

No.	Date	Revision	By	Appr.

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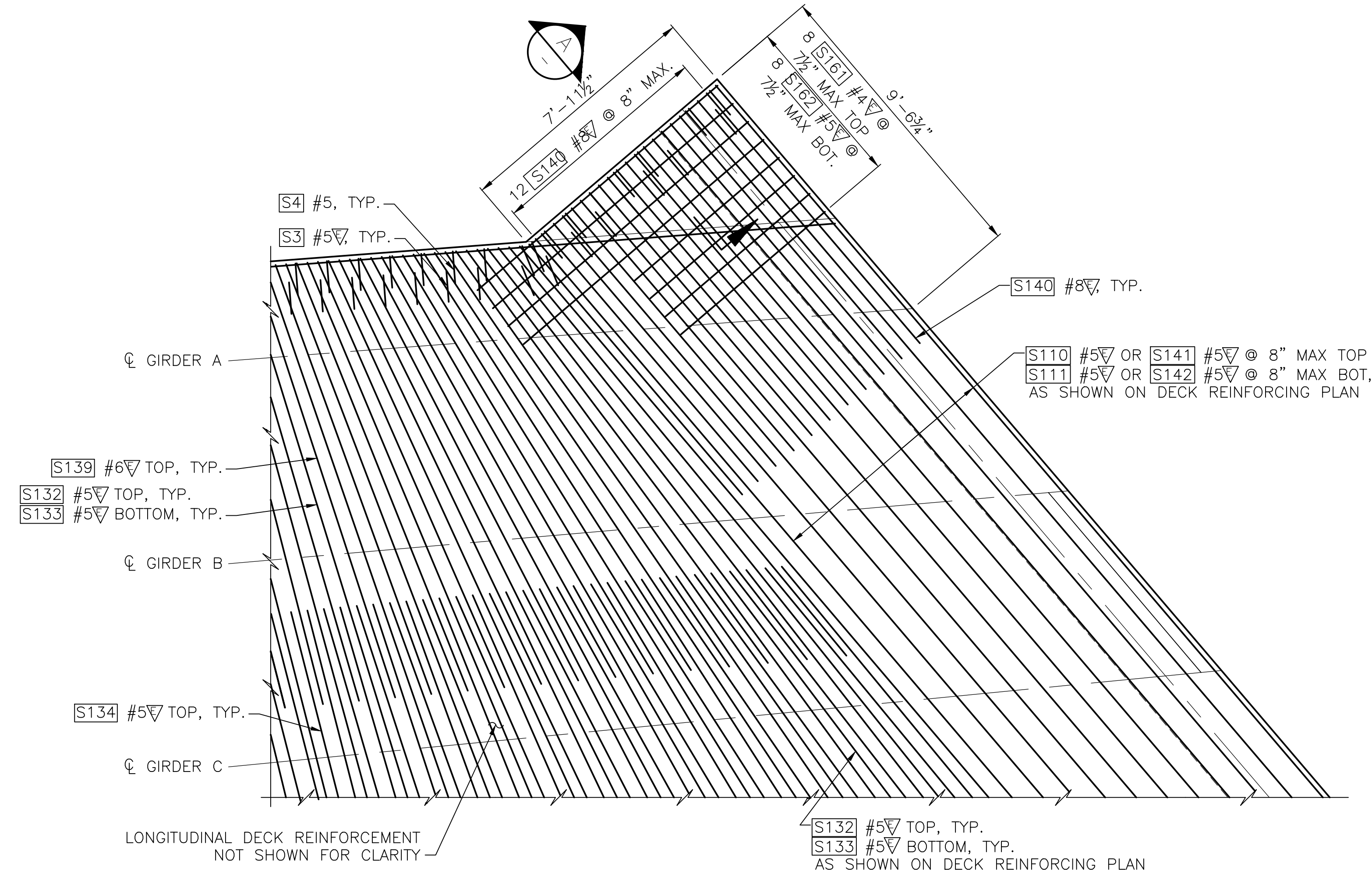


Drawn By	Date	SCALE
ADH	4/3/23	Horiz N/A
Designed By	4/3/23	Vert N/A
SM	4/3/23	N/A
Checked By	4/3/23	Project Number
EBB	4/3/23	20100156
Approved By		

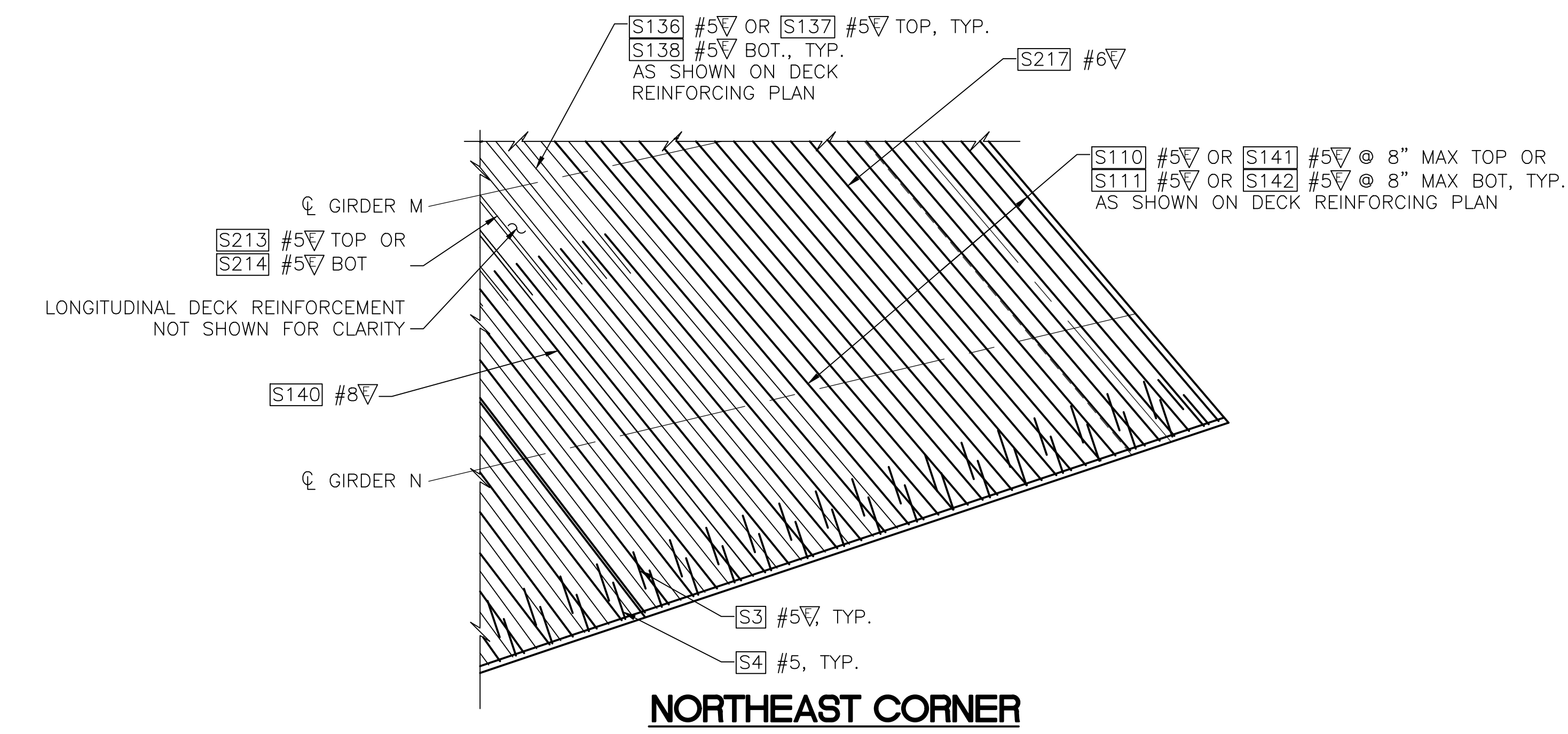
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
BR41
DECK REINFORCEMENT DETAILS 2 OF 2

Drawing No.	BR41
Sheet No.	
of Total	

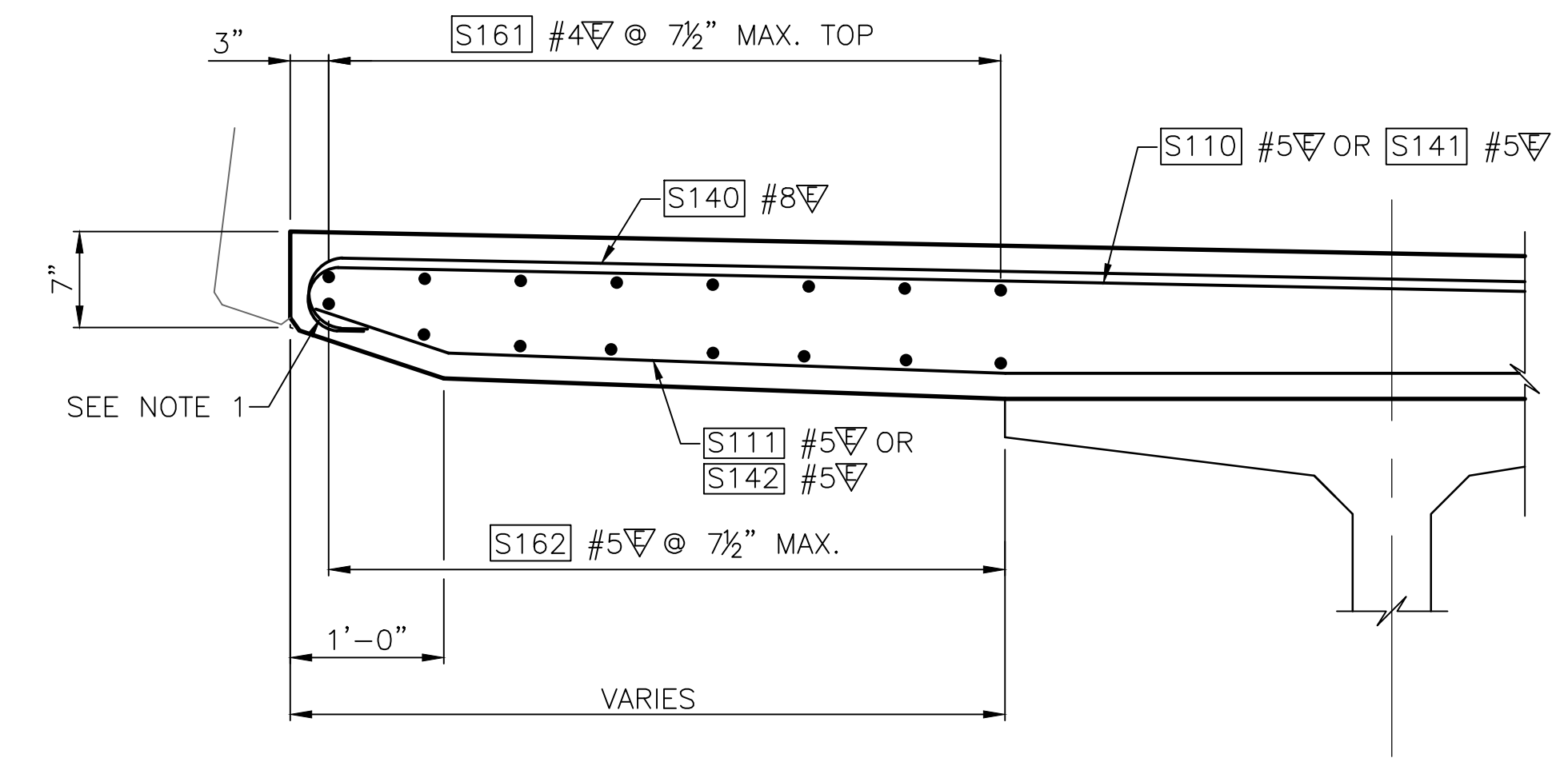
C:\S\3120 ~ PROJ. NO. TA2797 ~ NORTHWEST REGION ~ 1-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



NORTHWEST CORNER

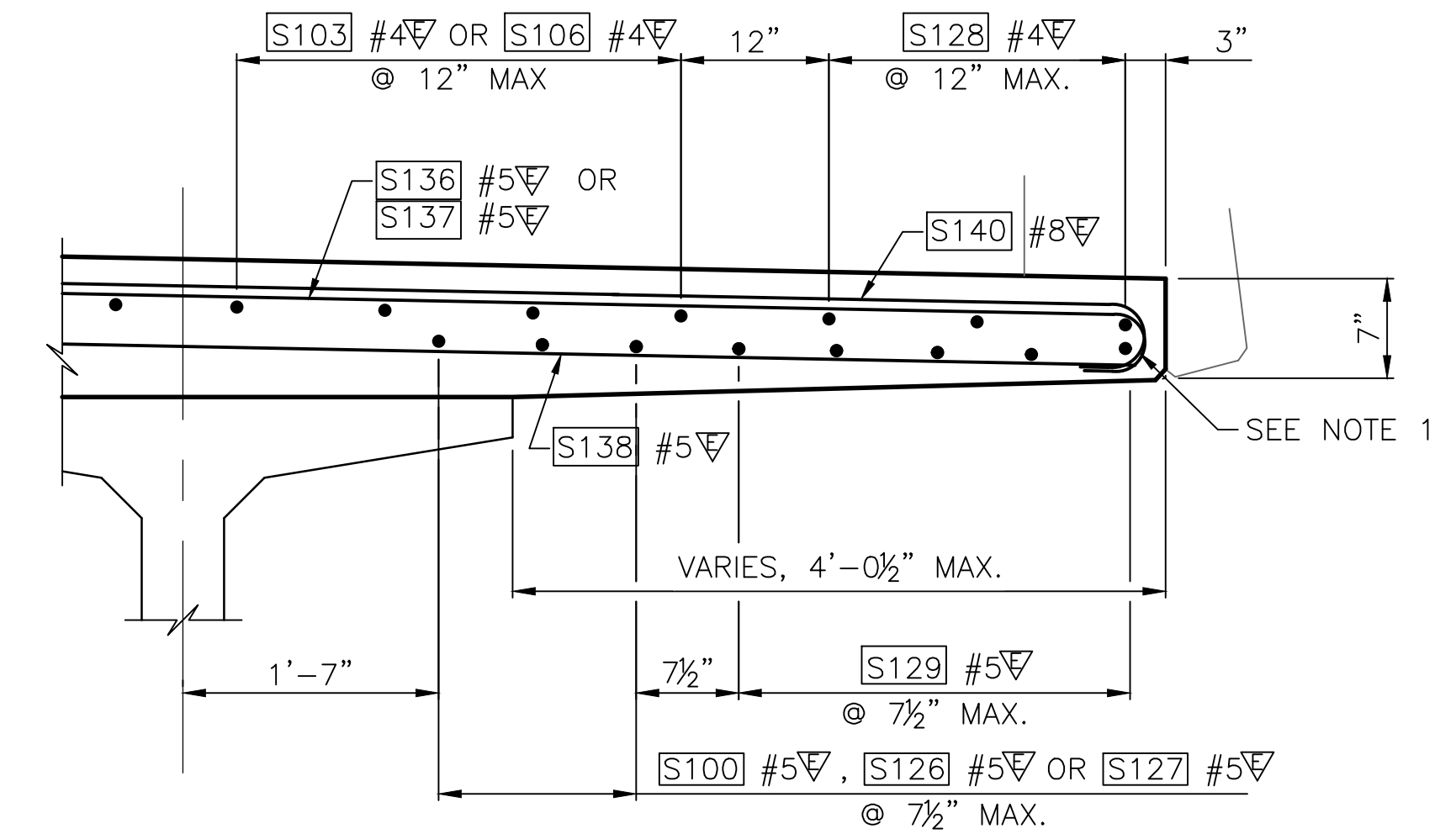


NORTHEAST CORNER



SECTION A

NOTE 1. ROTATE END HOOKS OF TRANSVERSE REINFORCEMENT TO PROVIDE REQUIRED CLEAR COVER.



SECTION B

90% REVIEW
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May 09, 2023 - 10:56am - adharper - I:\asaw001\jobs\60024\CADD\DDSD001\Drawings\STRUC\00100166_BR41.dwg - Layout Name: Slab Corner Plans & Details 2

No.	Date	Revision	By	Appr.

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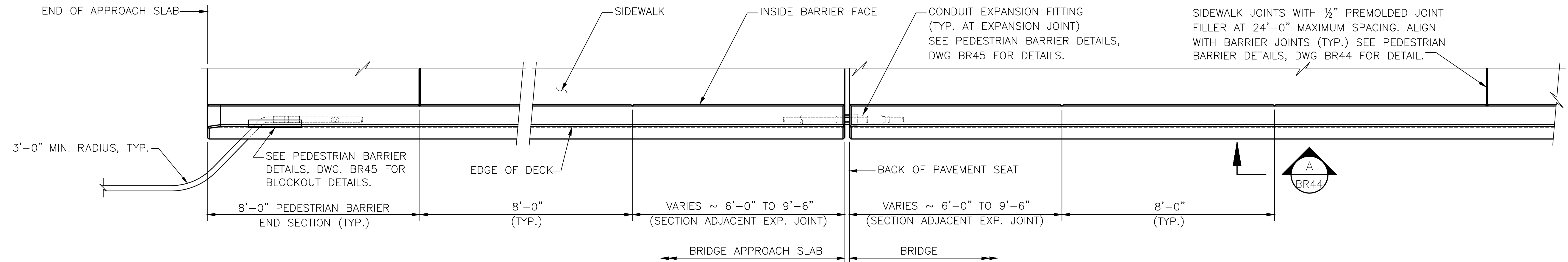


Drawn By	Date	SCALE
ADH	4/3/23	
Designed By		Horiz
SM	4/3/23	N/A
Checked By		Vert
EBB	4/3/23	N/A
Approved By		Project Number
		20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
DECK REINFORCEMENT DETAILS 2 OF 2

Drawing No.
BR41
Sheet No.

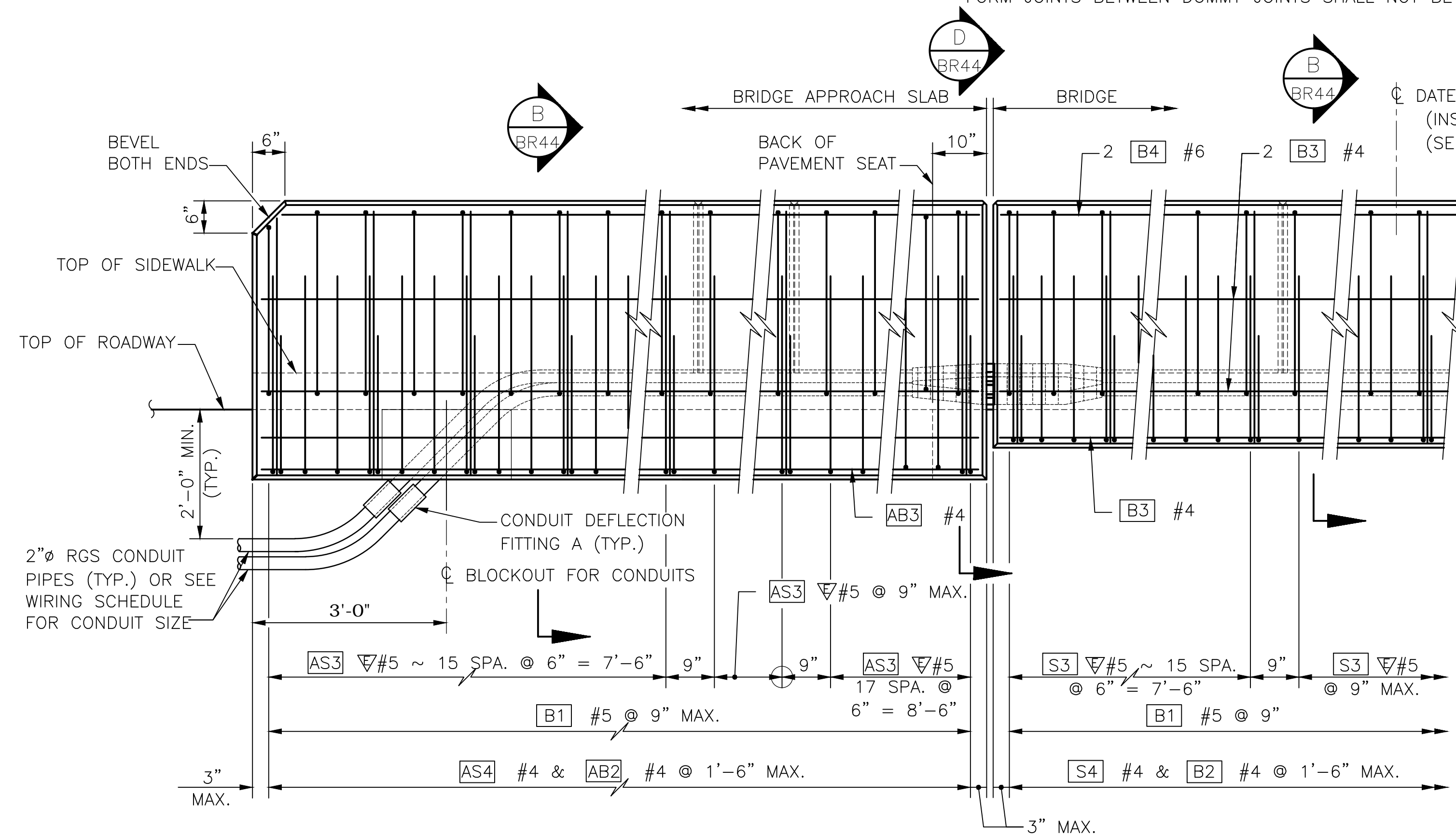
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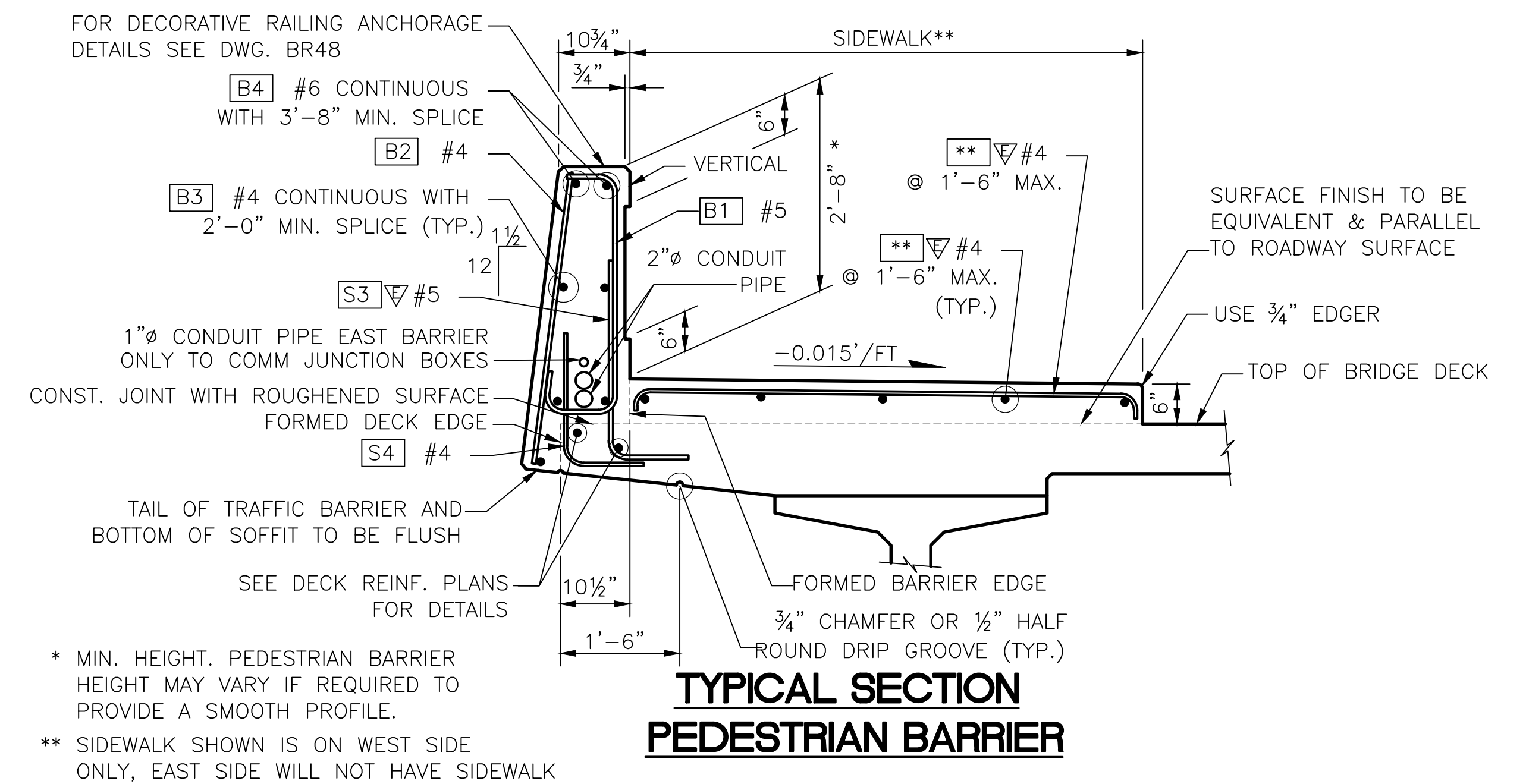
PLAN
PEDESTRIAN BARRIER

NOTE:
TERMINATE EACH CONDUIT PIPE AT SEPARATE JUNCTION BOXES OFF END OF BRIDGE AS SHOWN ON LAYOUT.

BARRIER CONTINUOUS BETWEEN ROADWAY EXPANSION JOINTS.
SEE DRAWING WP8 FOR EXPANSION JOINT LOCATIONS ALONG WALL 17.
CONSTRUCTION JOINTS WITH SHEAR KEYS ARE PERMISSIBLE AT DUMMY JOINT LOCATIONS.
FORM JOINTS BETWEEN DUMMY JOINTS SHALL NOT BE PERMITTED.



OUTSIDE ELEVATION
END OF PEDESTRIAN BARRIER
SHOWN WITH APPROACH SLAB



TYPICAL SECTION
PEDESTRIAN BARRIER

SHOWN ON BRIDGE
SHOWN FOR WEST SIDE,
EAST SIDE SIM.

90% REVIEW
NOT FOR CONSTRUCTION

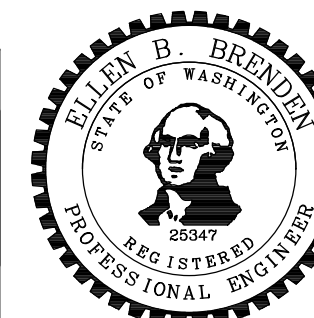
May 04, 2023 - 12:24pm adharper \\seaw01\jbs16\024\CADD\DIS001\Drawings\STRUCT\UC0100166_BR43.dwg Layout Name: Pedestrian Barrier Details 1

No.	Date	Revision	By	Appr.

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ADH	4/3/23	Horiz N/A
Designed By		Vert N/A
Checked By	4/3/23	Project Number 20100156
Approved By	4/3/23	

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PEDESTRIAN BARRIER DETAILS 1 OF 3

Drawing No. BR43
Sheet No.
of Total

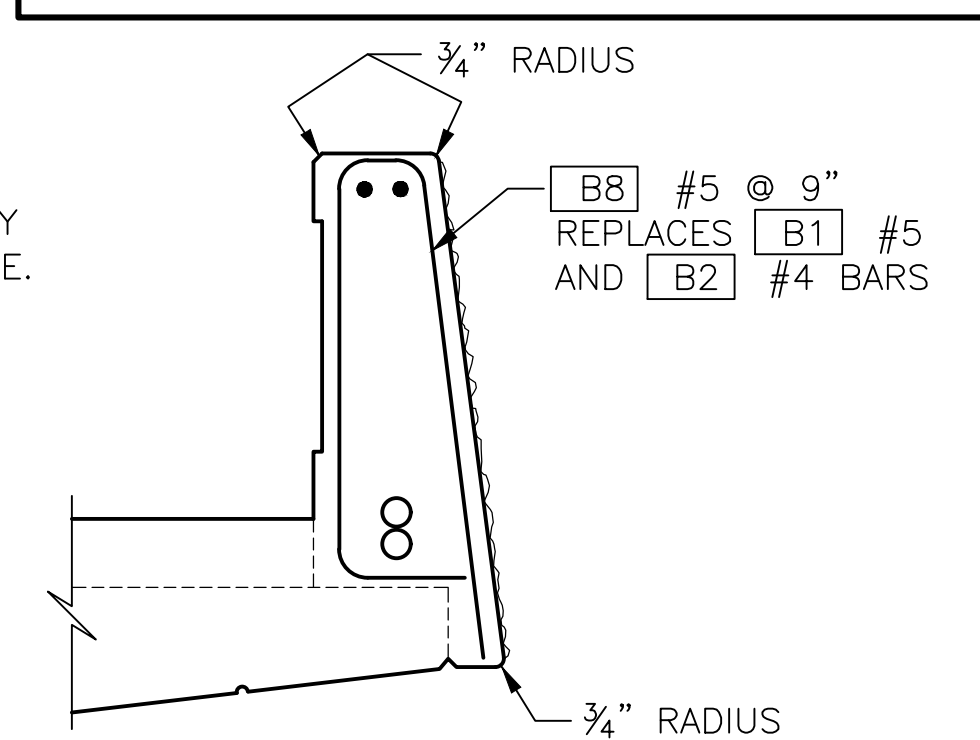
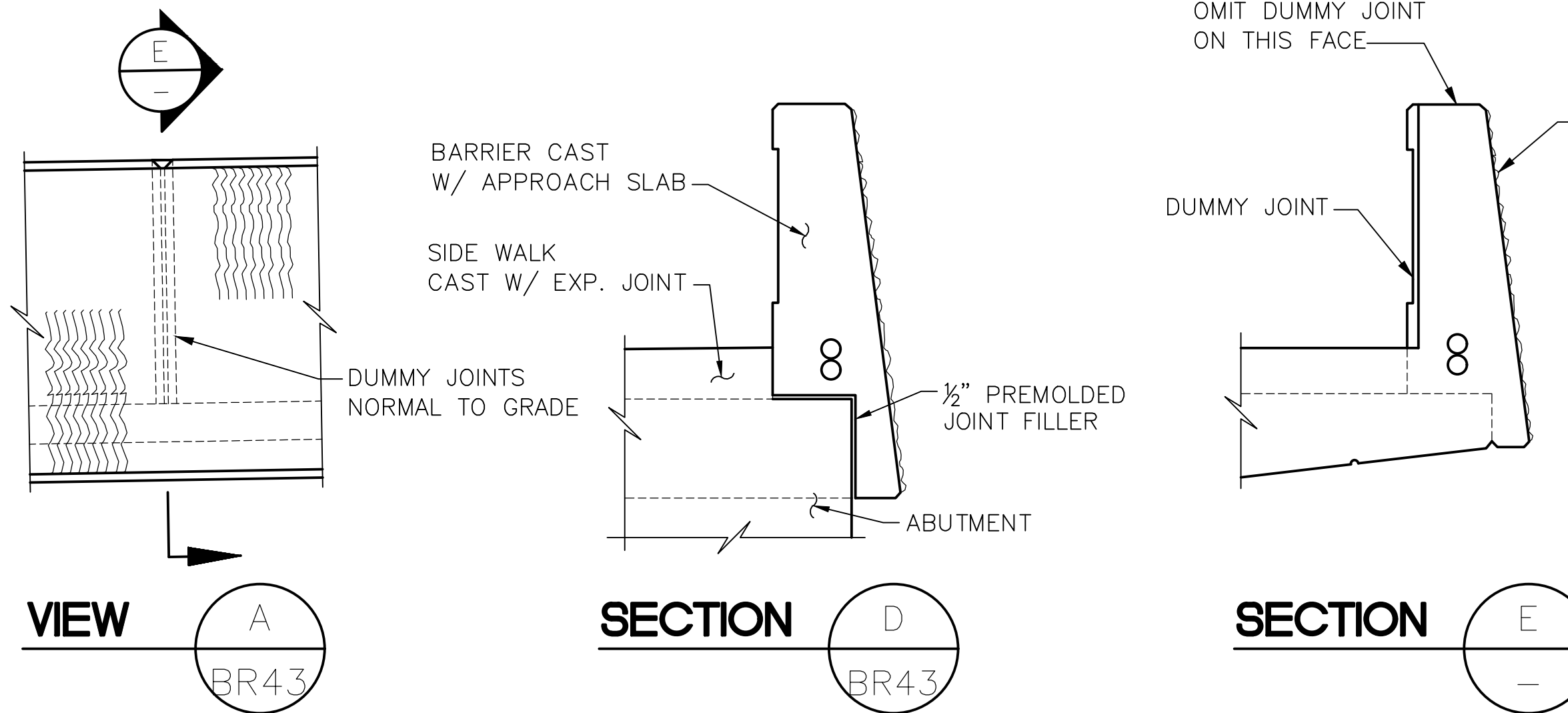
C:\S1\3120 ~ PROJ. NO. TA2797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE

BRIDGE JUNCTION BOX SCHEDULE					
STATION	OFFSET	PURPOSE	STATION	OFFSET	PURPOSE
110+89.5	45.5' LT	COMM	111+16.2	45.5' RT	WSDOT
111+45.5	45.5' LT	LT	111+45.1	45.5' RT	LT
111+47.5	45.5' LT	COMM	111+47.1	45.5' RT	COMM
111+81.5	45.5' LT	LT	111+80.9	45.5' RT	LT
111+83.5	45.5' LT	COMM	111+82.9	45.5' RT	COMM
112+41.0	45.5' LT	LT	112+42.0	45.5' RT	WSDOT
112+43.0	45.5' LT	COMM	112+59.5	45.5' RT	LT
112+60.5	45.5' LT	TS	112+61.5	45.5' RT	COMM
112+95.5	45.5' LT	LT	112+95.5	45.5' RT	LT
112+97.5	45.5' LT	COMM	112+97.5	45.5' RT	COMM
113+31.5	45.5' LT	LT	113+31.5	45.5' RT	LT
113+33.5	45.5' LT	COMM	113+33.5	45.5' RT	COMM
113+91.0	45.5' LT	LT	113+72.0	45.5' RT	WSDOT
113+93.0	45.5' LT	COMM	113+91.0	45.5' RT	LT
114+45.0	45.5' LT	LT	113+93.0	45.5' RT	COMM
114+47.0	45.5' LT	COMM	114+45.0	45.5' RT	LT
114+80.5	47.7' LT	LT	114+47.0	45.5' RT	COMM
114+82.5	47.8' LT	COMM	114+80.0	45.5' RT	LT
115+64.5	70.0' LT	TS	114+82.0	45.5' RT	COMM
115+83.9	89.4' LT	LT	115+34.6	45.5' RT	LT
115+85.9	91.1' LT	COMM	115+36.6	45.5' RT	COMM
			115+78.2	45.5' LT	LT
			115+80.2	45.5' LT	COMM
			116+16.3	48.7' RT	TS
			116+22.6	50.2' RT	LT
			116+24.6	50.7' RT	COMM

JUNCTION BOX LOCATIONS SHOWN ARE APPROXIMATE. CENTER JUNCTION BOX INSTALLATION BETWEEN BARRIER DUMMY JOINTS.

INSTALL ALL CONDUIT RUNS TO DRAIN TO A BRIDGE END OR PROVIDE DRAIN AT ALL LOW POINTS IN CONDUIT RUN ON BRIDGE.

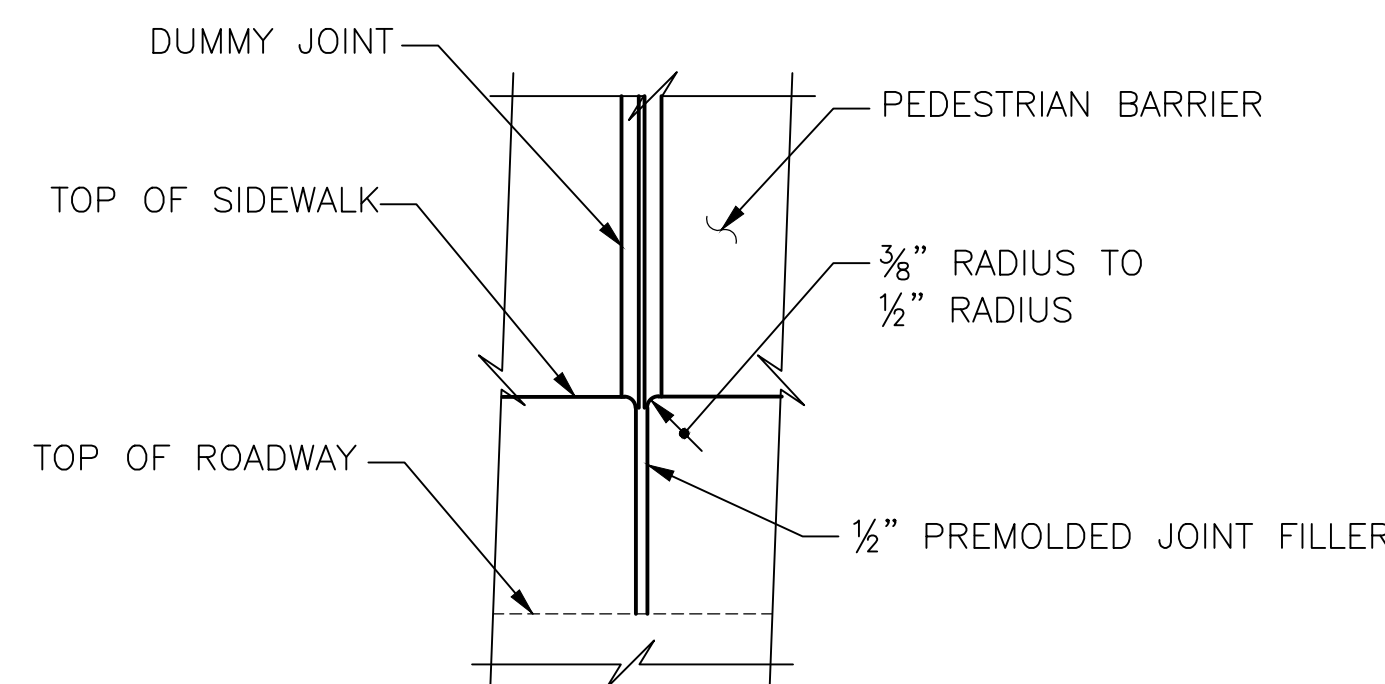
COMM= CITY ITS
WSDOT= WSDOT ITS
LT= CITY ILLUMINATION
TS= CITY TRAFFIC SIGNAL



SLIPFORM ALTERNATE

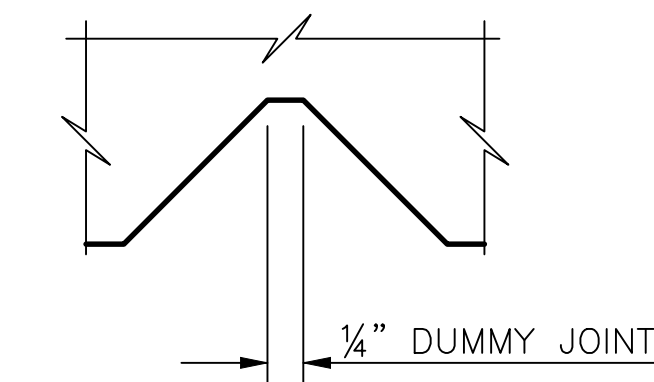
SEE TYPICAL SECTION - PEDESTRIAN BARRIER FOR ADDITIONAL DETAILS

THE CONTRACTOR IS ADVISED THAT THE SLIPFORM CONSTRUCTION METHOD IS A PATENTED PROPRIETARY PROCESS FOR BARRIERS WITH A FRACTURED FIN FINISH.

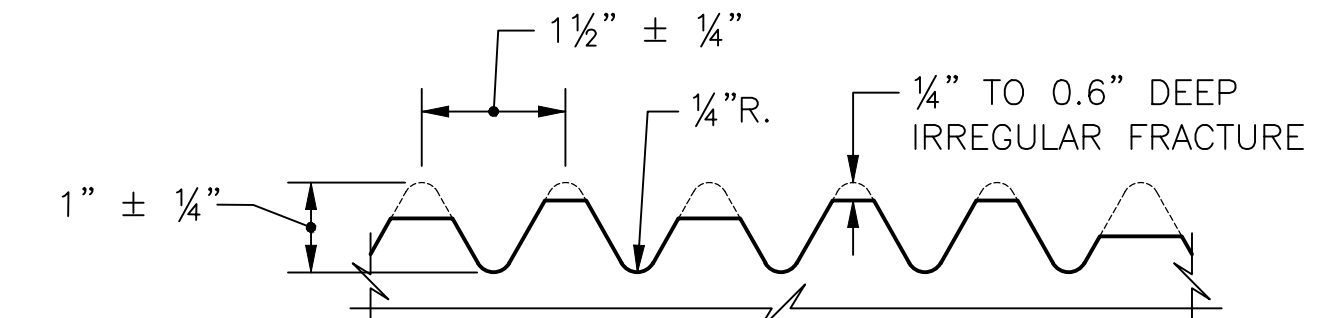


SIDEWALK JOINT DETAIL

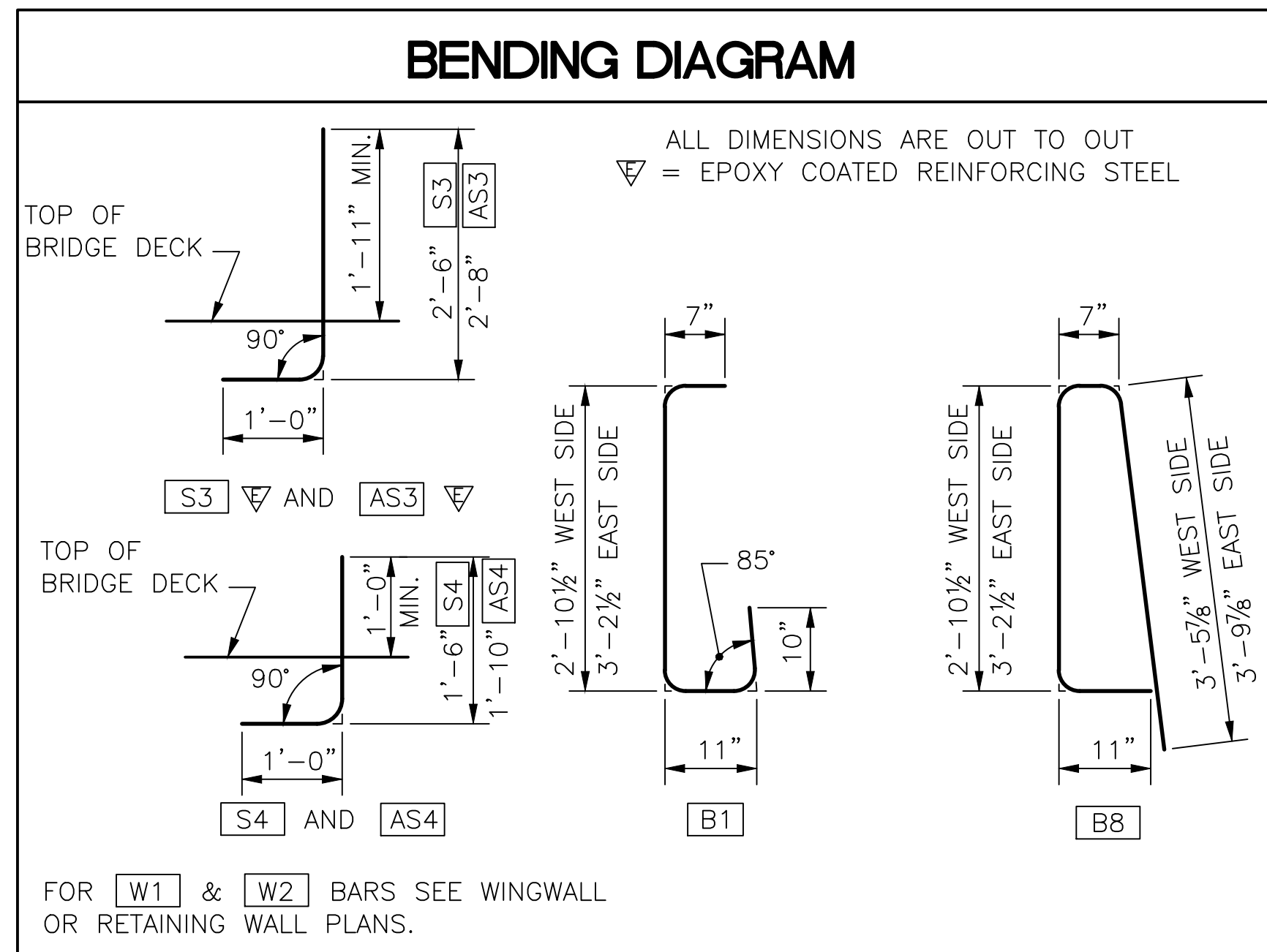
SIDEWALK REINFORCING STEEL NOT SHOWN FOR CLARITY.



DUMMY JOINT DETAIL



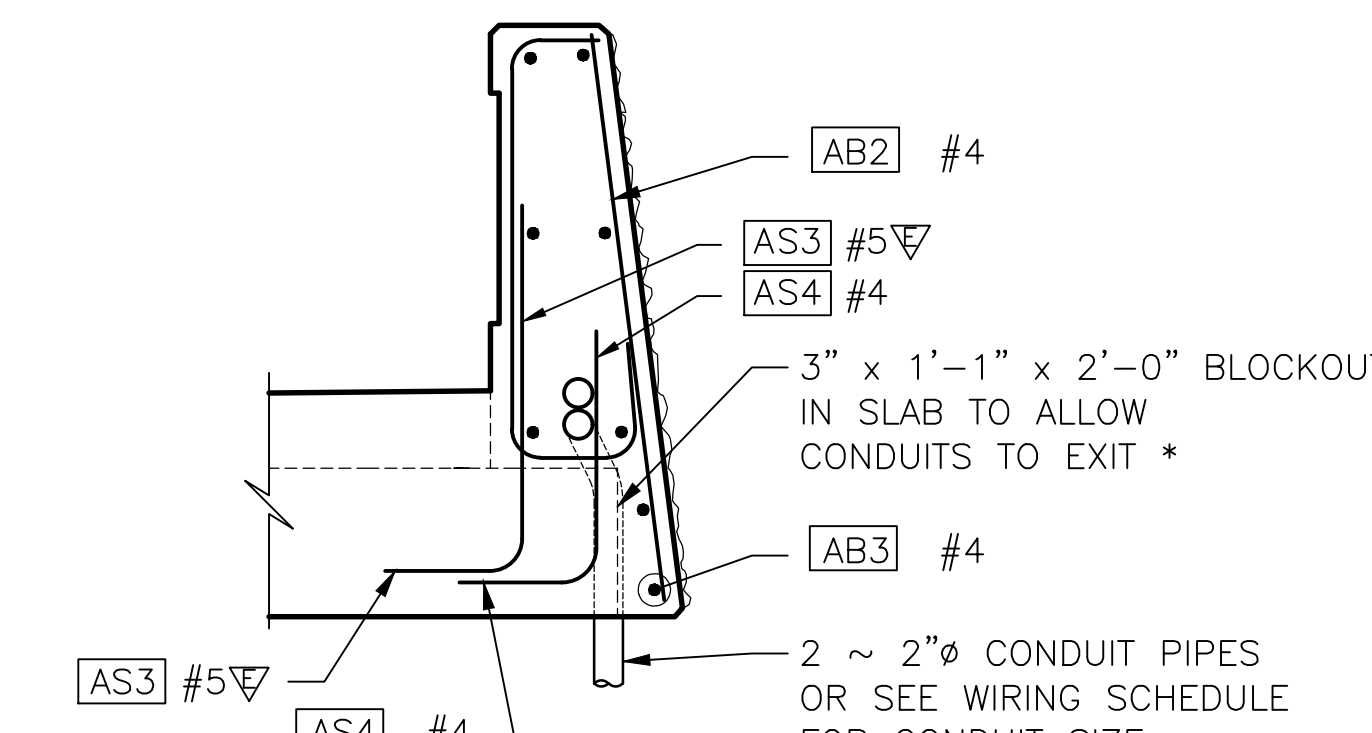
FRACTURED FIN FINISH



BENDING DIAGRAM

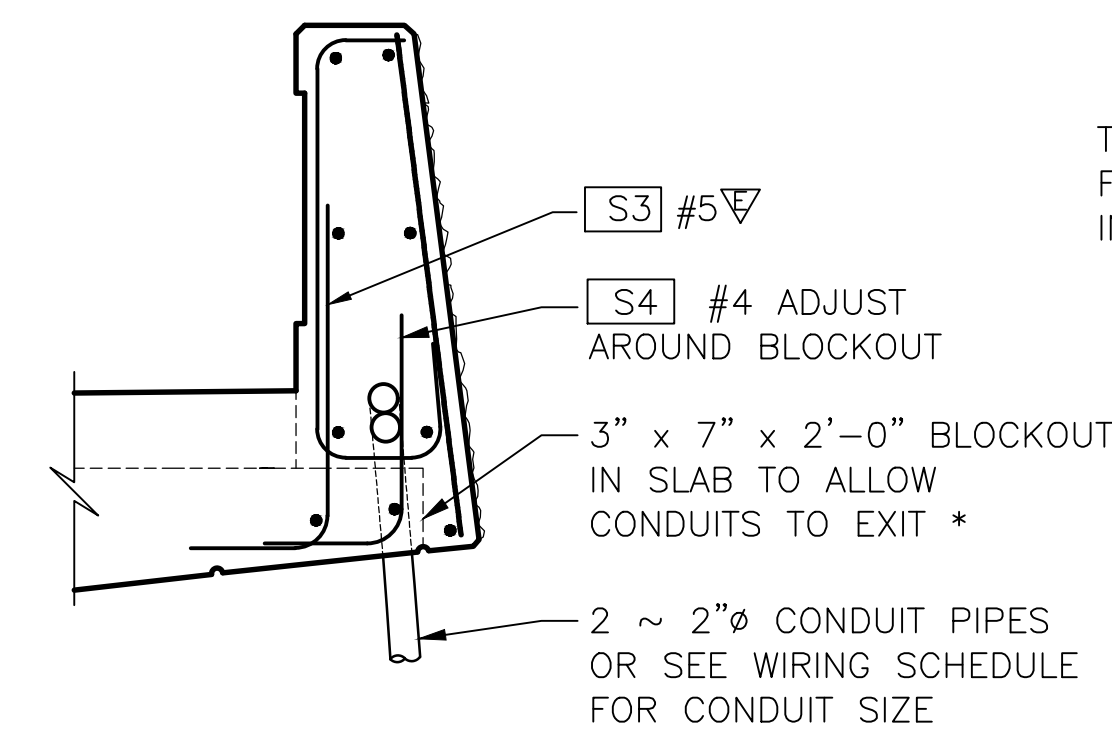
ALL DIMENSIONS ARE OUT TO OUT
▽ = EPOXY COATED REINFORCING STEEL

FOR W1 & W2 BARS SEE WINGWALL OR RETAINING WALL PLANS.



SECTION B APPROACH SLAB

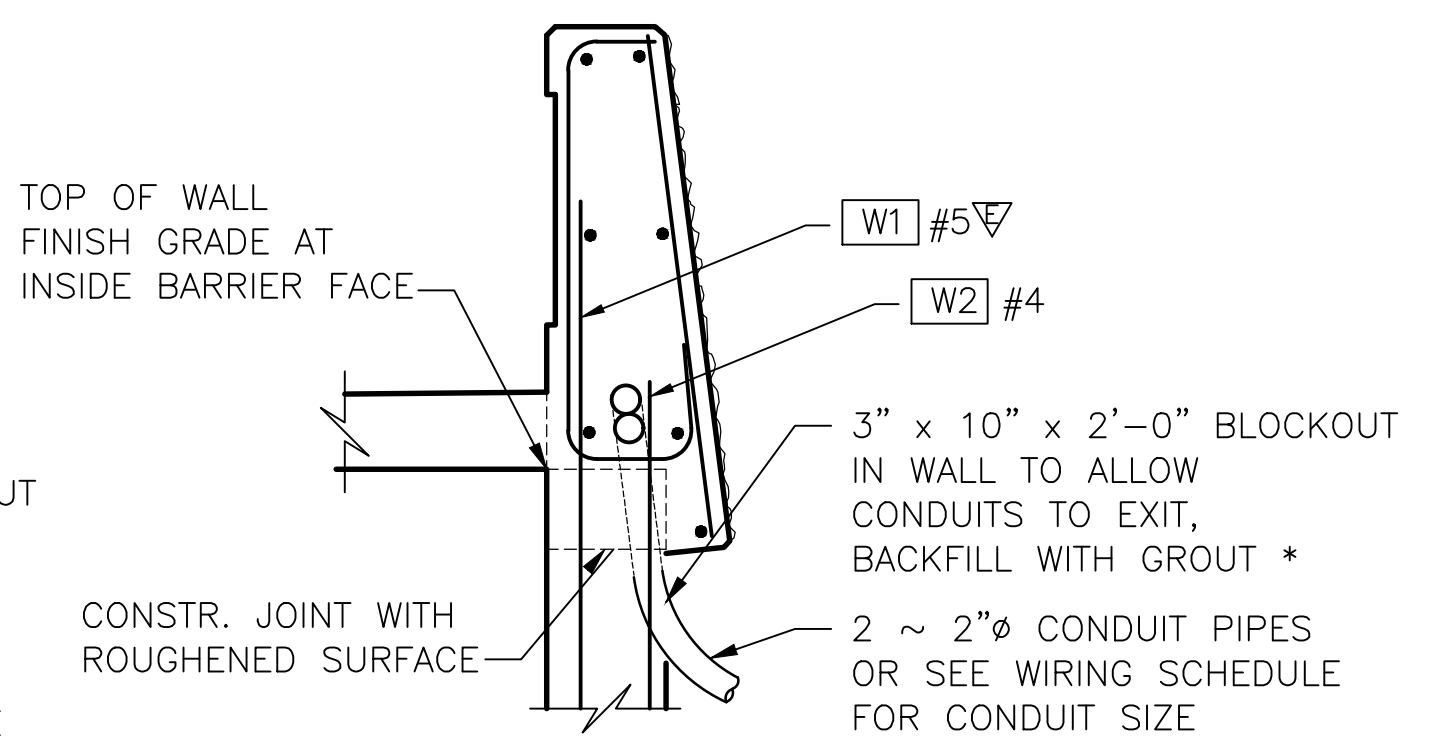
FOR DETAILS NOT SHOWN SEE "OUTSIDE ELEVATION" AND "TYPICAL SECTION ~ PEDESTRIAN BARRIER"



SECTION B BRIDGE

FOR DETAILS NOT SHOWN SEE "OUTSIDE ELEVATION" AND "TYPICAL SECTION ~ PEDESTRIAN BARRIER"

* BLOCKOUT WIDTH MAY BE INCREASED TO 6" TO ALLOW CONDUITS OF A LARGER DIAMETER THAN 2" TO EXIT BARRIER OR WALL WITHOUT REBAR STEEL CONFLICT



SECTION B WALL

DETAIL FOR RETAINING WALL OR WINGWALL. FOR REINFORCING NOT SHOWN, SEE DWGS. BR12 & WD5.

90% REVIEW
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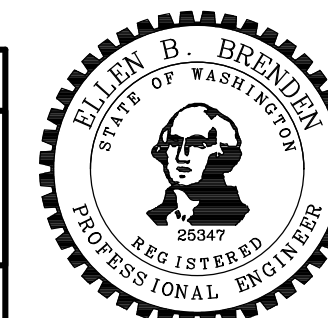
May 04, 2023 - 12:24pm adharper l:\seaw0\jbs6\024\CADD\DS001\Drawings\STRUCTUC\0100166_BR44.dwg Layout Name: Pedestrian Barrier Details 2

No.	Date	Revision	By	Appr.

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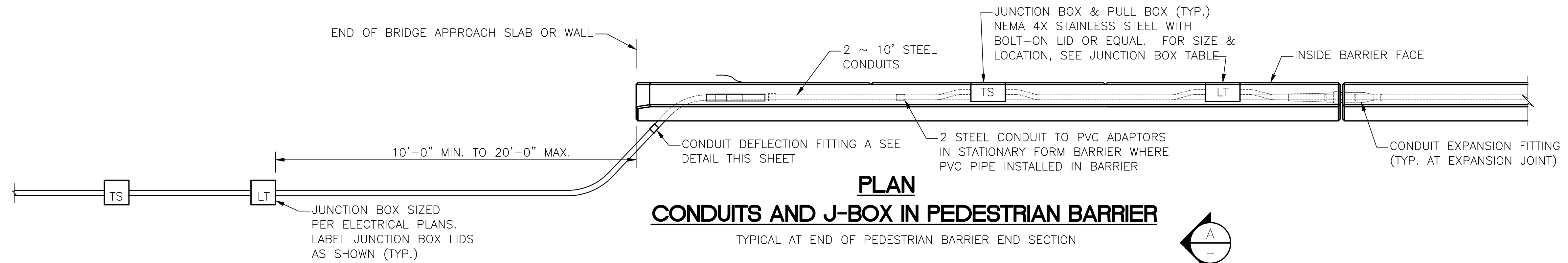


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ADH	4/3/23	Horiz N/A
Designed By		Vert N/A
EBB	4/3/23	Project Number 20100156
Checked By		
EBB	4/3/23	
Approved By		

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PEDESTRIAN BARRIER DETAILS 2 OF 3

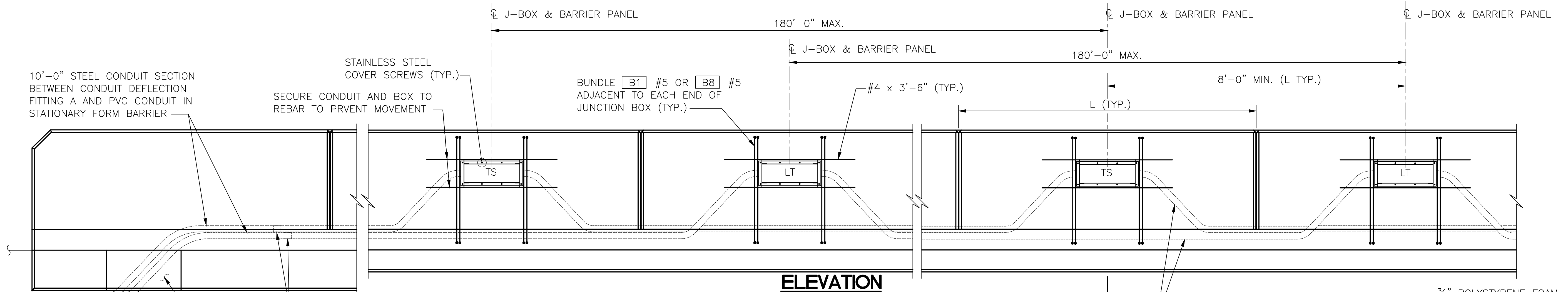
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Sheet No. **2** of Total **3**

CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE ~ MP 181.62 ~ NORTHWEST REGION ~ 1-5 ~ PROJ. NO. TAZ797 ~



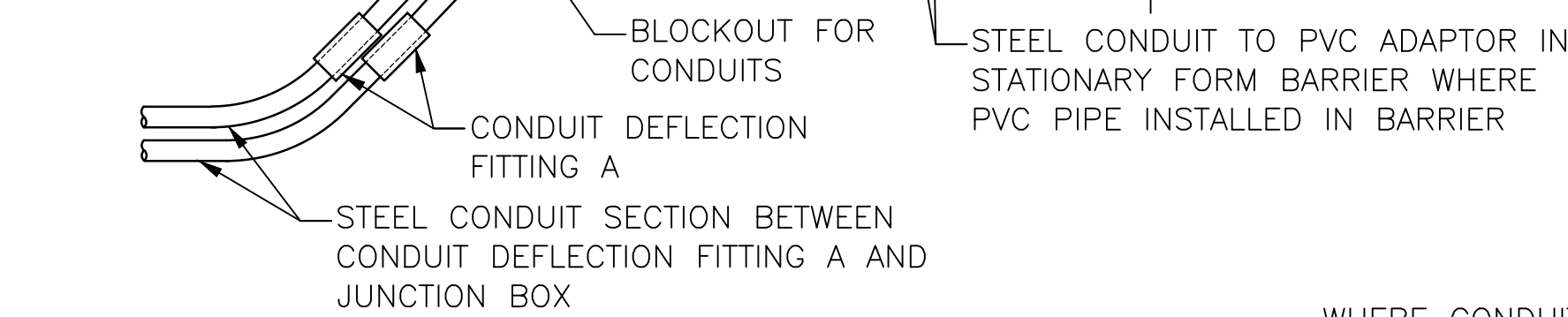
PLAN
CONDUITS AND J-BOX IN PEDESTRIAN BARRIER

TYPICAL AT END OF PEDESTRIAN BARRIER END SECTION



ELEVATION
CONDUITS AND J-BOX IN PEDESTRIAN BARRIER

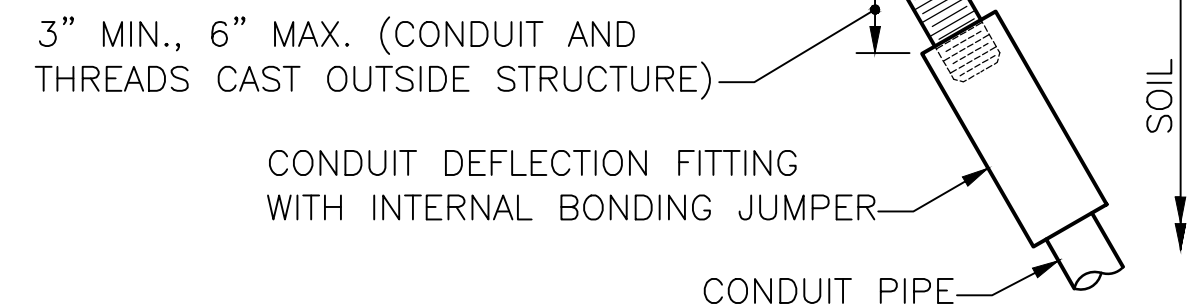
LABEL JUNCTION BOX COVER IN ACCORDANCE WITH STANDARD SPECIFICATION 9-29.2(4) AND SPECIAL PROVISIONS. ADJACENT JUNCTION BOXES ARE SHOWN CENTERED BETWEEN ADJACENT DUMMY JOINTS. IF THE DISTANCE BETWEEN ADJACENT DUMMY JOINTS IS 16'-0" OR GREATER, PLACE ADJACENT JUNCTION BOXES SYMMETRICALLY ON EITHER SIDE OF THE CENTER OF ONE DUMMY PANEL WHILE MAINTAINING 8'-0" MINIMUM BETWEEN CENTER LINES OF THE JUNCTION BOXES.



CONDUIT EXPANSION FITTING

CONDUIT FITTING - (TYPE AX FOR MOVEMENT OF ± 2") AT BRIDGE EXPANSION JOINTS

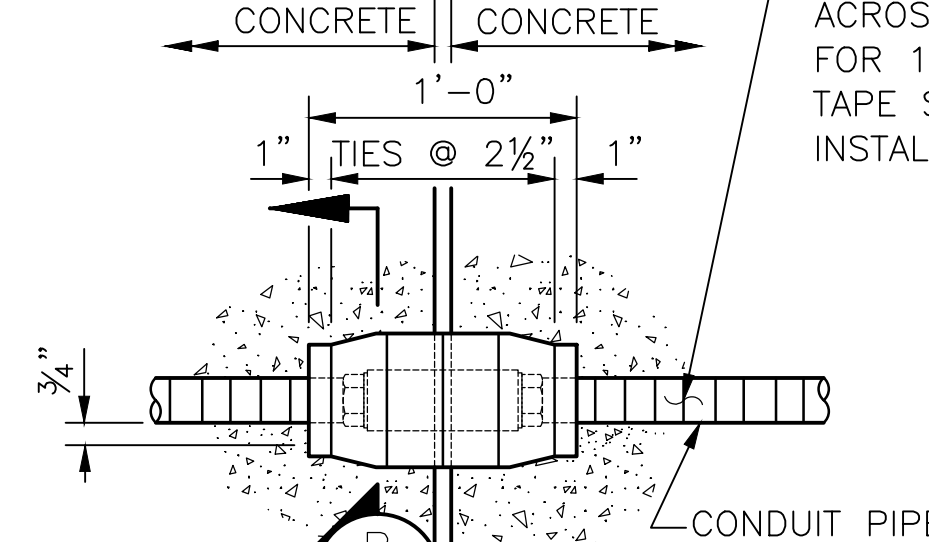
WHERE CONDUIT IN A STRUCTURE IS ROUTED ACROSS A JOINT, WRAP STEEL CONDUIT PIPE FOR 1'-0" ON EACH SIDE OF JOINT. PIPE WRAP TAPE SHALL BE 2" WIDE, 20 MIL THICK, AND INSTALLED WITH A MINIMUM OF 1" OVERLAP



CONDUIT DEFLECTION FITTING A

CONDUIT FITTING - TYPE DX FOR DEFLECTION OF 30° AND 3/4" MOVEMENT. PLACE AT CONDUIT PIPE EXIT FROM STRUCTURE

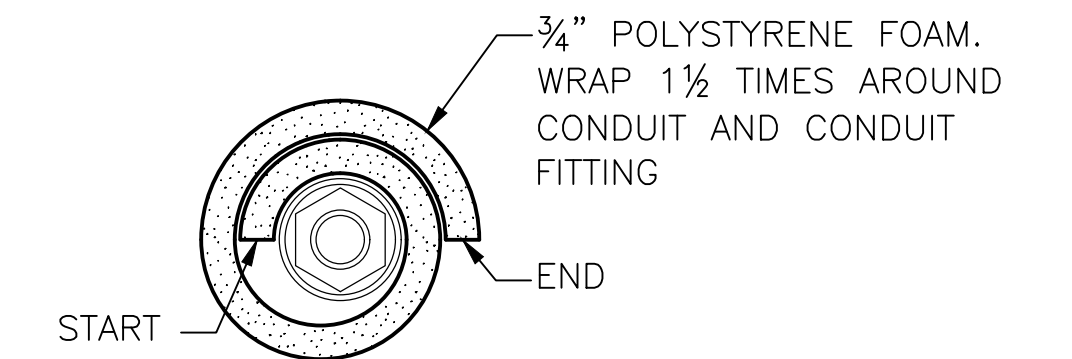
1/2" PREMOLDED JOINT FILLER SEE STANDARD PLANS



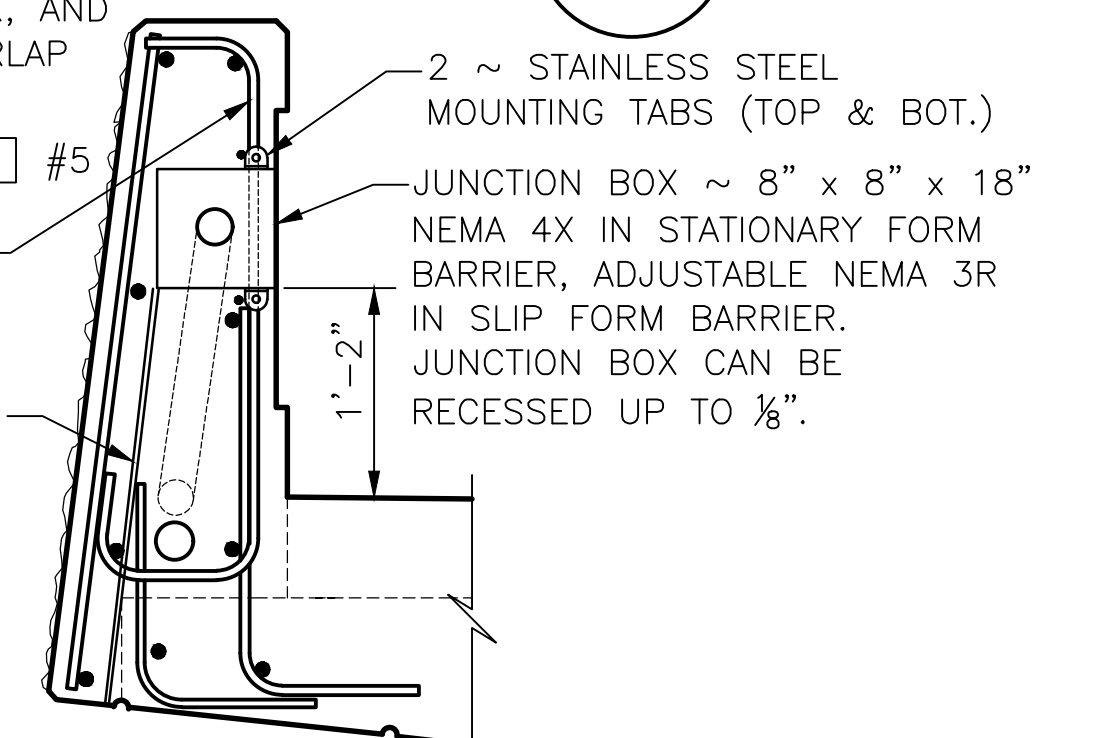
CONDUIT DEFLECTION FITTING B

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.

WHERE CONDUIT IN A STRUCTURE IS ROUTED ACROSS A JOINT, WRAP STEEL CONDUIT PIPE FOR 1'-0" ON EACH SIDE OF JOINT. PIPE WRAP TAPE SHALL BE 2" WIDE, 20 MIL THICK, AND INSTALLED WITH A MINIMUM OF 1" OVERLAP



SECTION B



SECTION A

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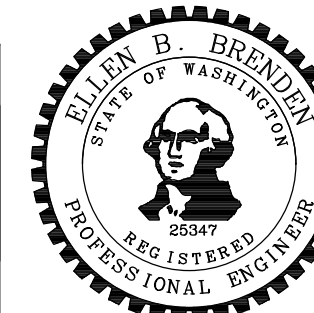
May 04, 2023 - 12:24pm adharper \\seam0\jbas6\024\CADD\DS01\Drawings\STRUCTUC\0100166_BR45.dwg Layout Name: Pedestrian Barrier Details 3

No.	Date	Revision	By	Appr.

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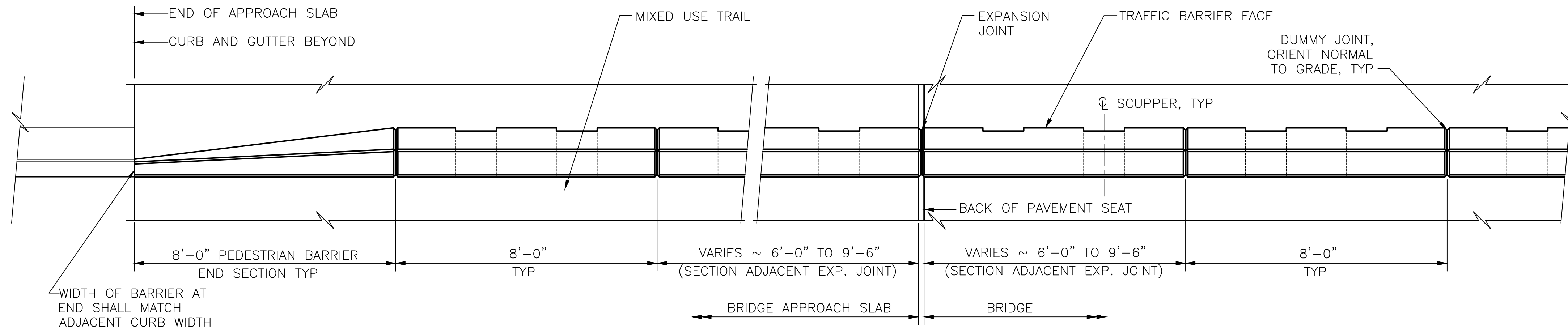


Drawn By	Date	SCALE
ADH	4/3/23	Horiz N/A
Designed By		Vert N/A
EBB	4/3/23	Project Number
Checked By	4/3/23	20100156
Approved By		

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PEDESTRIAN BARRIER DETAILS 3 OF 3

Drawing No.	BR45
Sheet No.	
of Total	

C:\S\3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE

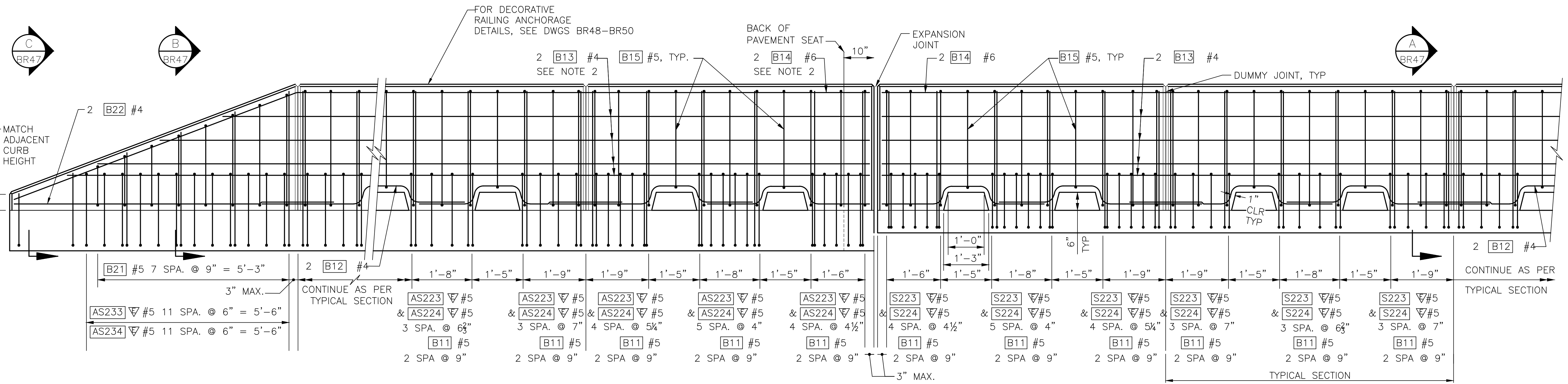


PLAN
TRAFFIC PEDESTRIAN BARRIER

SEE NOTE 1

GENERAL NOTES

- BARRIER CONTINUOUS BETWEEN BRIDGE DECK EXPANSION JOINTS. CONSTRUCTION JOINTS WITH SHEAR KEYS ARE PERMISSIBLE AT DUMMY JOINT LOCATIONS. FORM JOINTS BETWEEN DUMMY JOINTS SHALL NOT BE PERMITTED.
- FIELD BEND AND TRIM BARS AS NECESSARY TO FIT IN END SECTION.



OUTSIDE ELEVATION
END OF TRAFFIC PEDESTRIAN BARRIER

SHOWN WITH APPROACH SLAB

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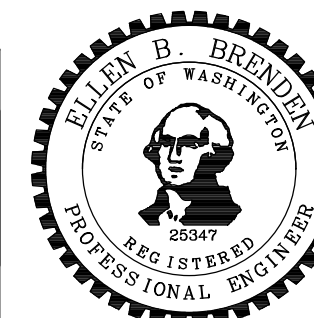
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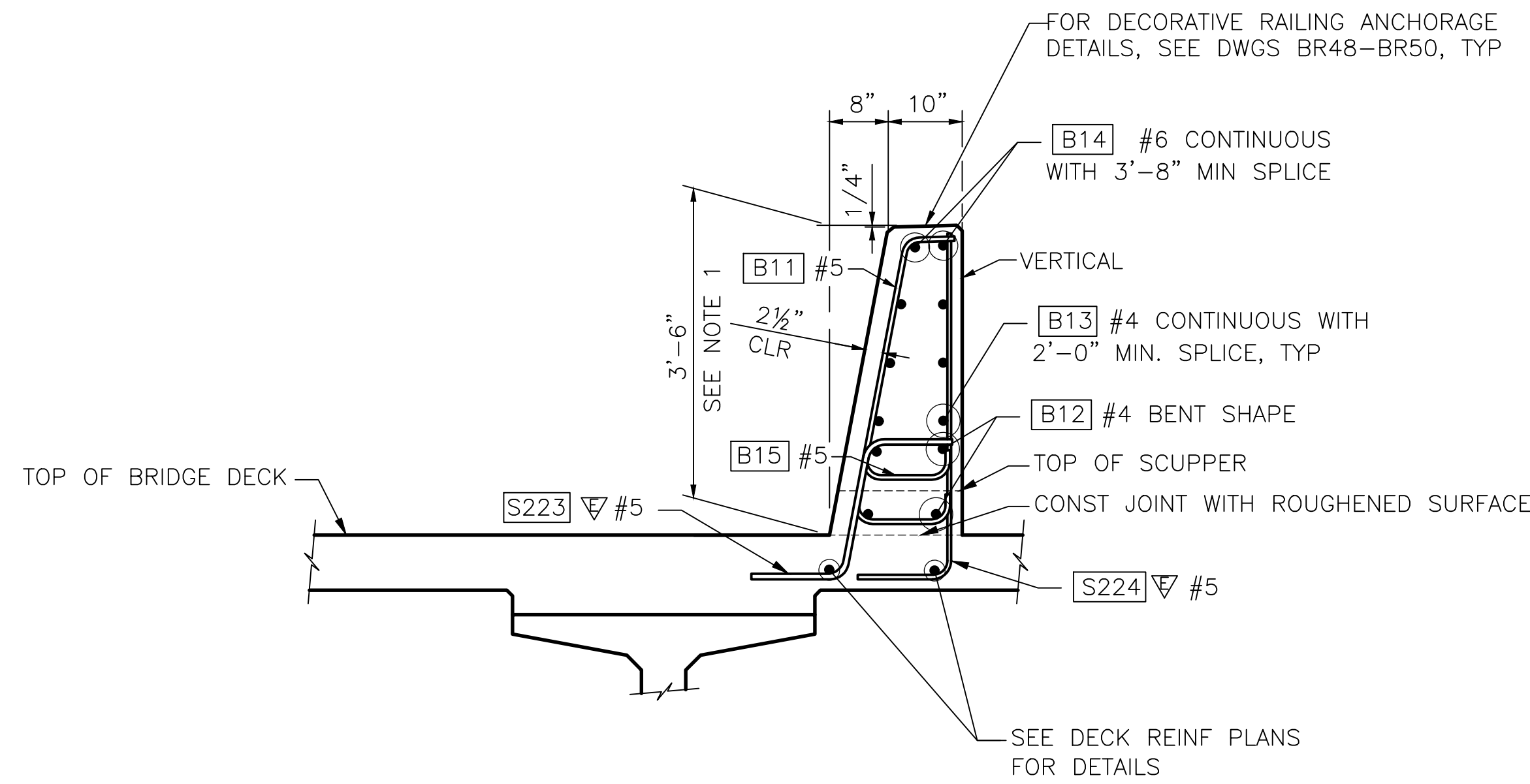


Drawn By ADH	Date 4/3/23	SCALE
Designed By SM	4/3/23	Horiz N/A
Checked By TZ	4/3/23	Vert N/A
Approved By		Project Number 20100156

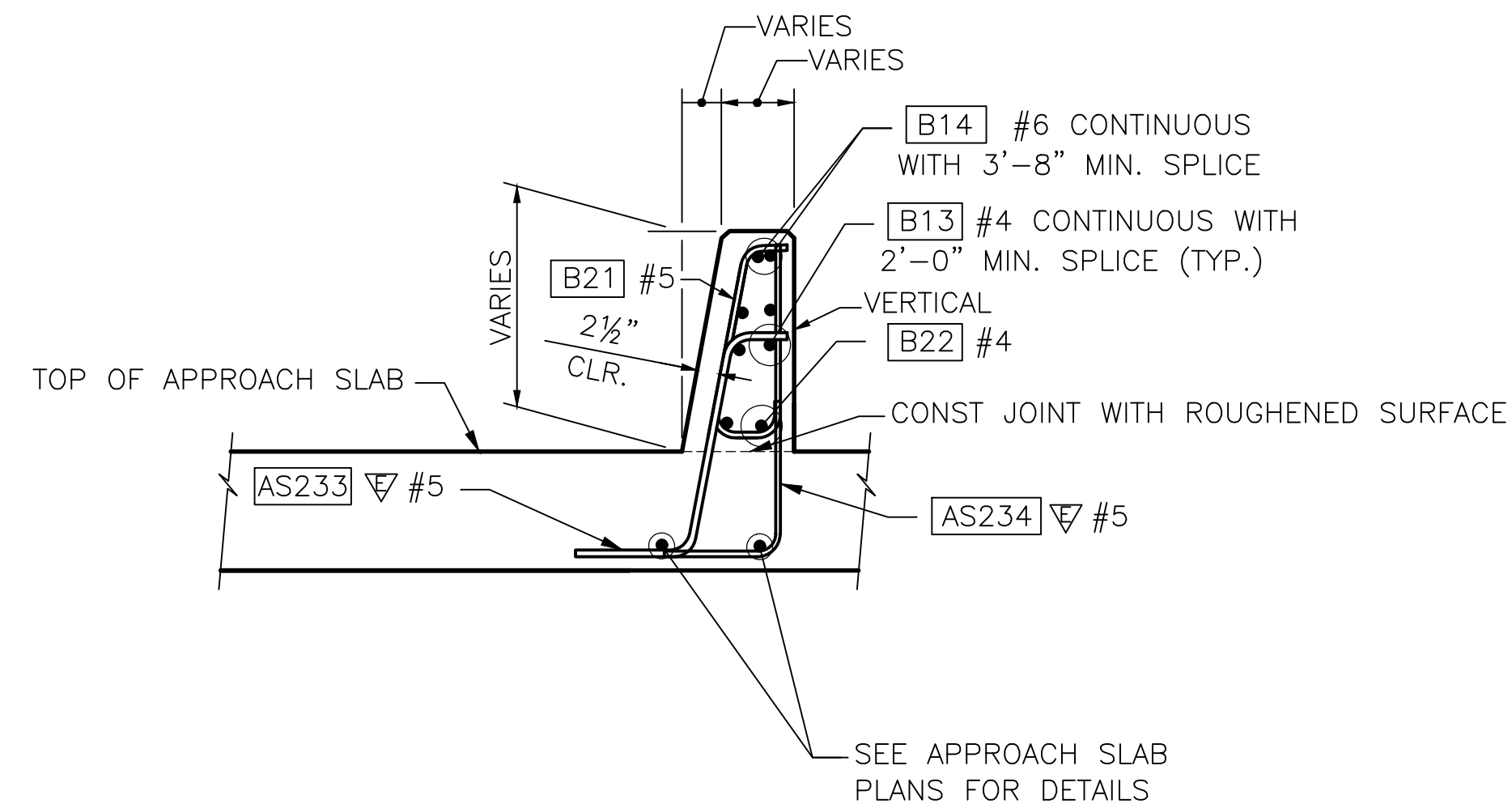
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
TRAFFIC PEDESTRIAN BARRIER
DETAILS 1 OF 2

Drawing No. BR46
Sheet No.
of Total

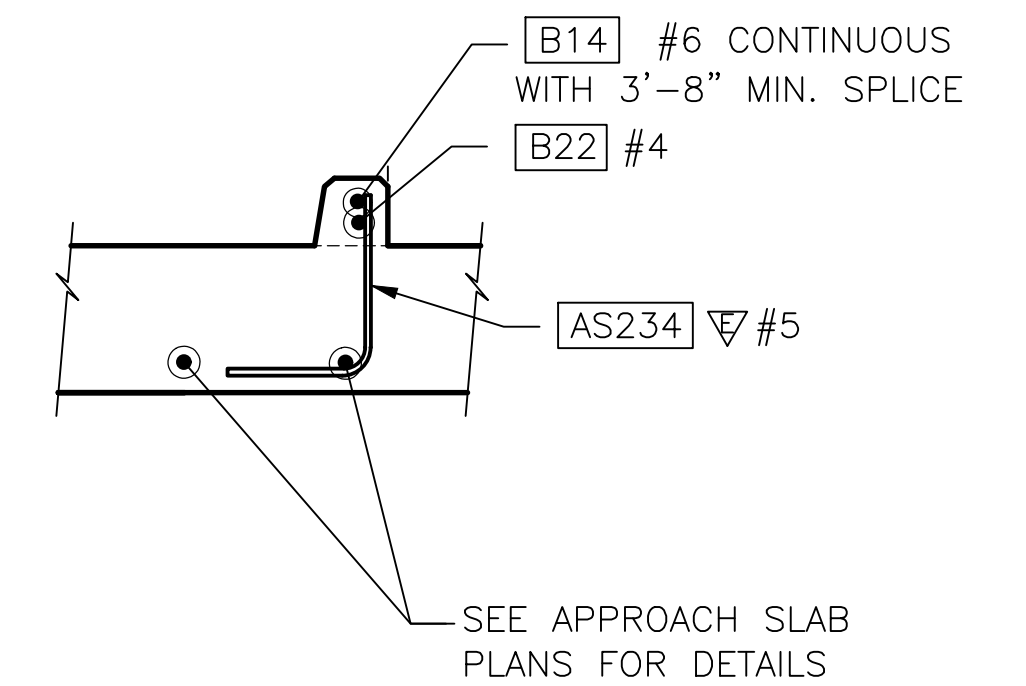
C:\S\3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



SECTION A
BR46

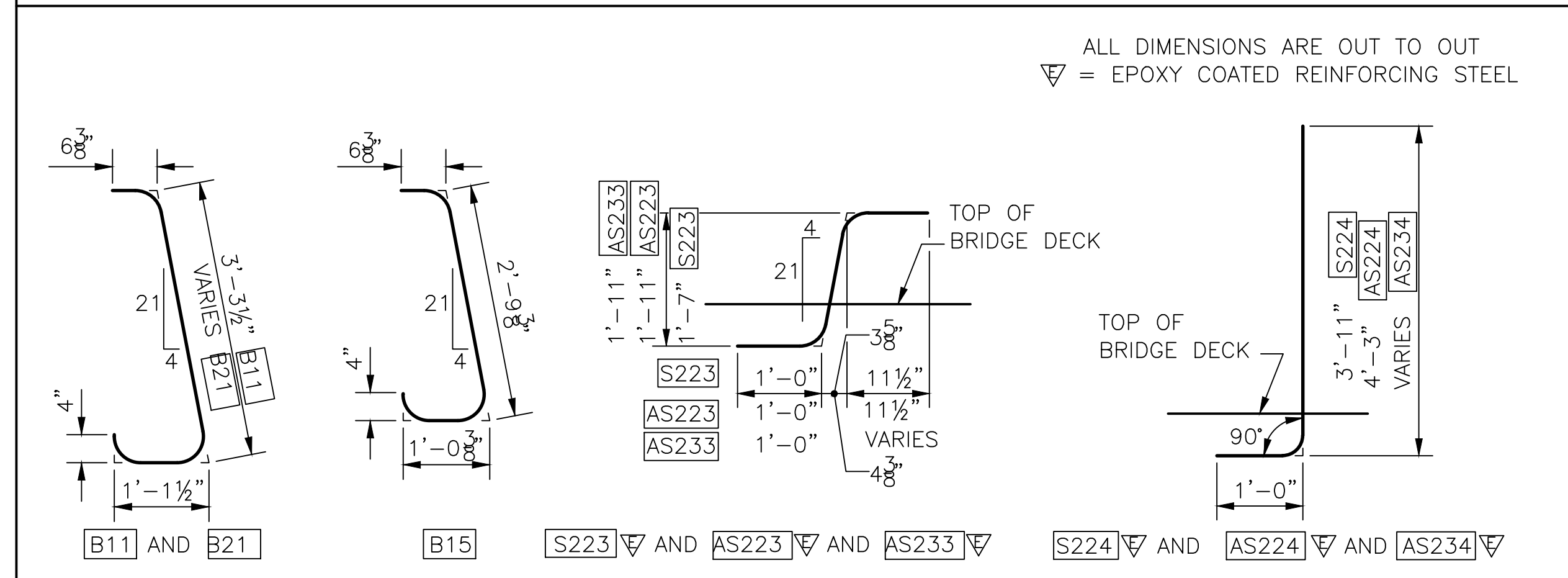


SECTION B
BR46



SECTION C
BR46

BENDING DIAGRAM



GENERAL NOTES

- HEIGHT MAY VARY IF REQUIRED TO PROVIDE A PROFILE PLEASING TO THE EYE.

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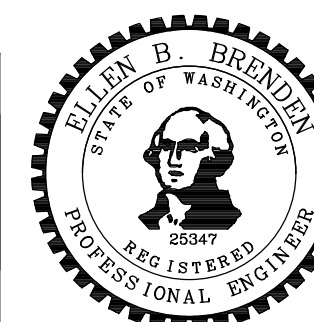
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No.	Date	Revision	By	Appr.

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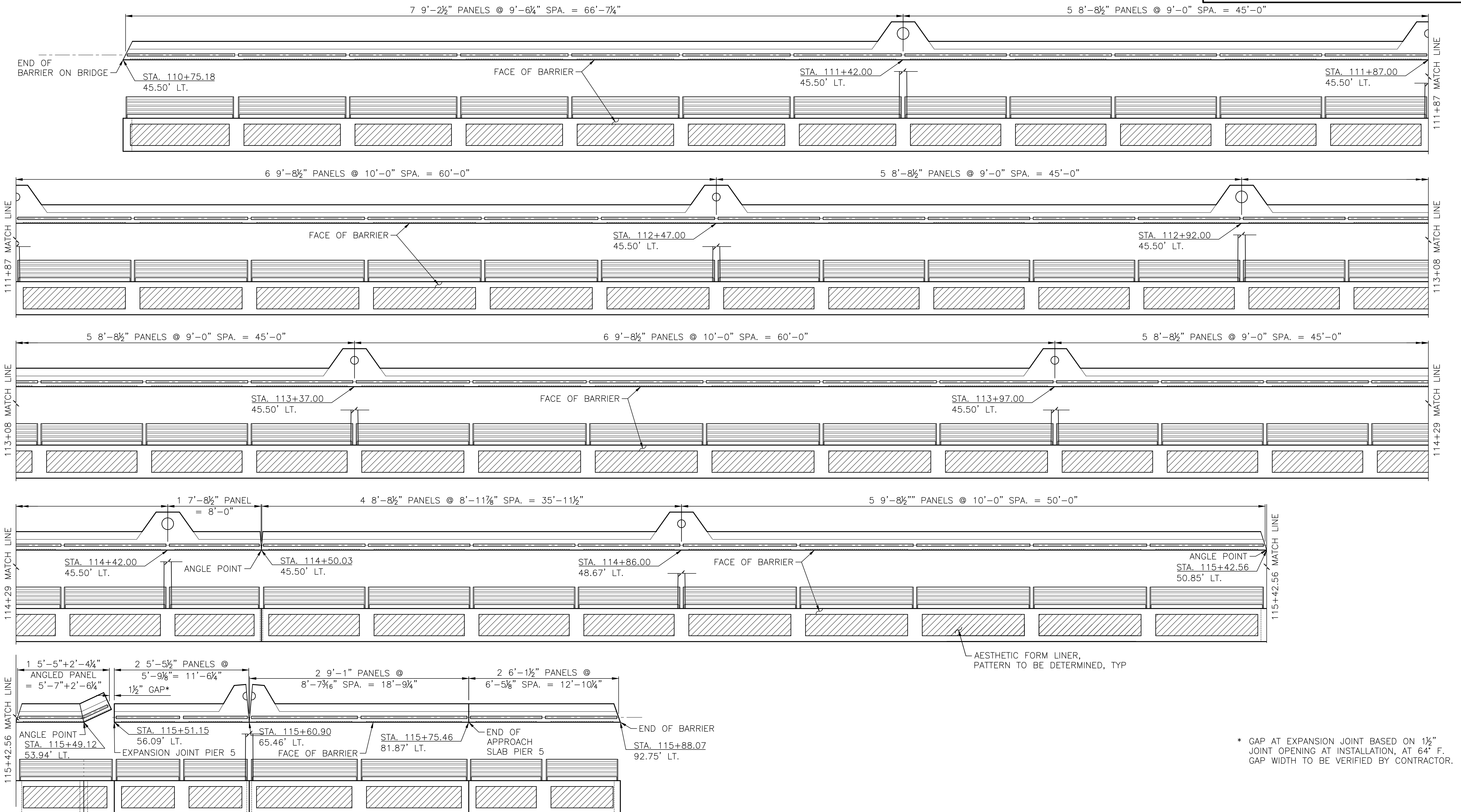


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ADH	4/3/23	
Designed By		Horiz N/A
SM	4/3/23	Vert ---
Checked By	4/3/23	Project Number 20100156
Approved By		

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
TRAFFIC PEDESTRIAN BARRIER
DETAILS 2 OF 2

Drawing No. **BR47**
Sheet No.
of Total

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WEST BARRIER AND RAIL ELEVATION

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May 04, 2023 - 12:25pm adharper \\seaw01\p024\ADD\DD\01\Drawings\STRUCT\UC\20100156_BR48.dwg Layout Name: WEST RAIL

No.	Date	Revision	By	Appr.

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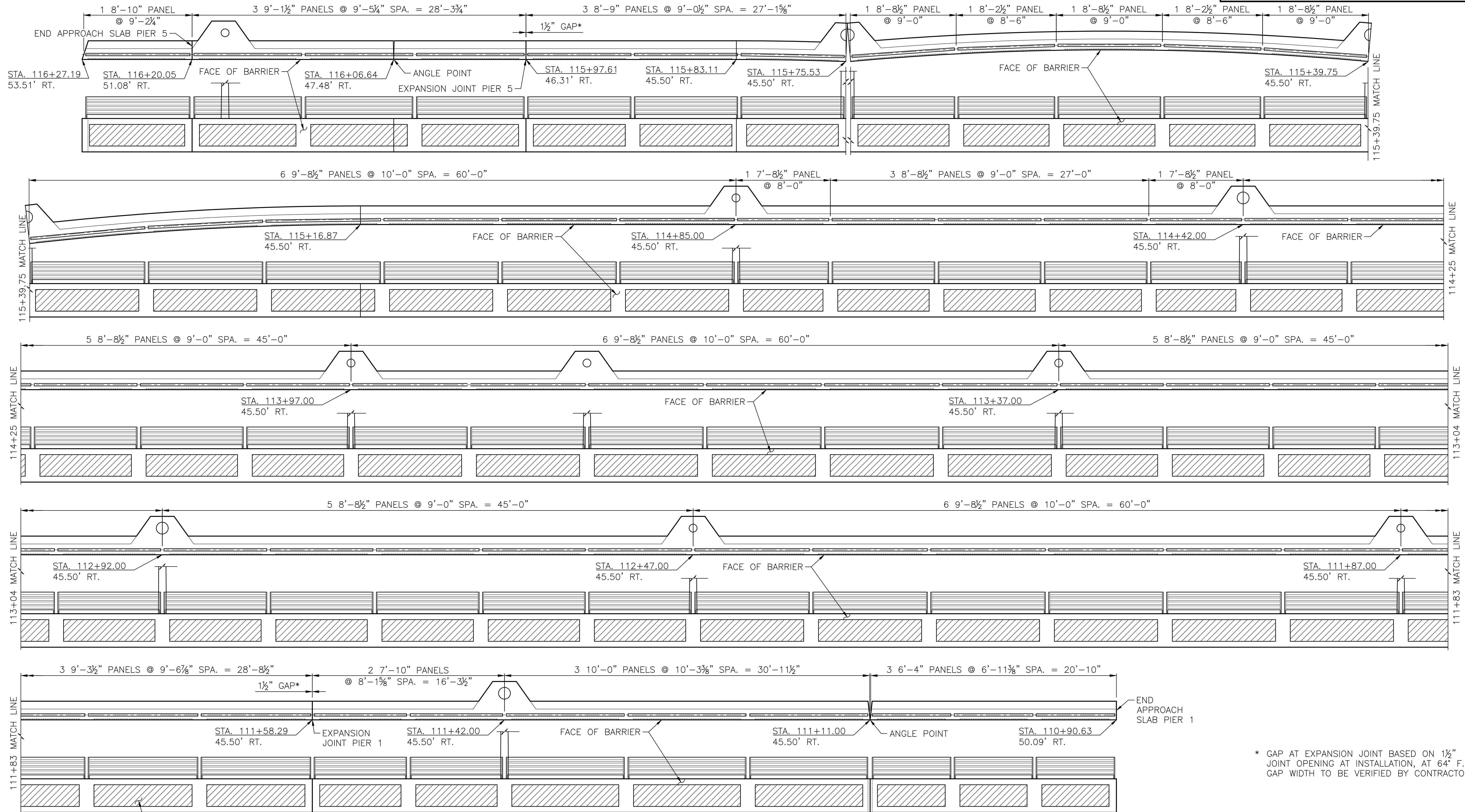


Drawn By ADH	Date 2/26/16	SCALE
Designed By SM	2/26/16	Horiz N/A
Checked By EBB	2/26/16	Vert N/A
Approved By		Project Number 20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
RAILING LAYOUT 1 OF 2

Drawing No. BR48
Sheet No.
of Total

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* GAP AT EXPANSION JOINT BASED ON 1/2" JOINT OPENING AT INSTALLATION, AT 64° F. GAP WIDTH TO BE VERIFIED BY CONTRACTOR.

AESTHETIC FORM LINER, PATTERN TO BE DETERMINED, TYP

EAST BARRIER AND RAIL ELEVATION

90% REVIEW
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May 04, 2023 - 12:25pm adharper \\seaw01\p06024\CADD\01\Drawings\STRUCT\0100166_BR49.dwg Layout Name: EAST RAIL

No.	Date	Revision	By	Appr.

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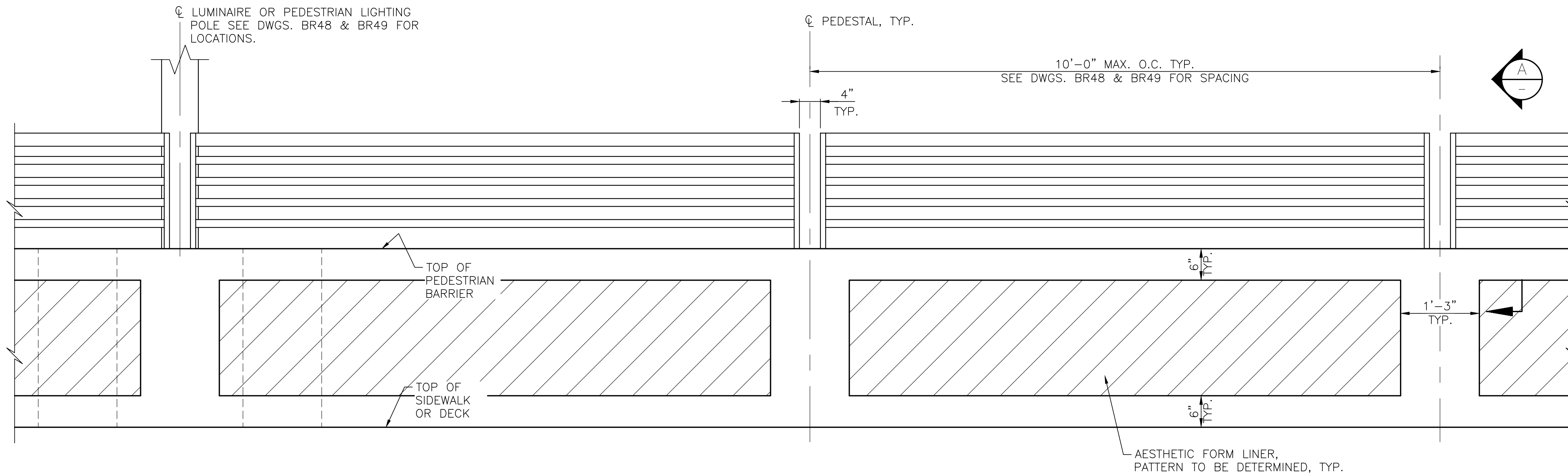


Drawn By	Date	SCALE
ADH	4/3/23	Horiz N/A
Designed By	4/3/23	Vert N/A
Checked By	4/3/23	Project Number
Approved By	4/3/23	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
RAILING LAYOUT 2 OF 2

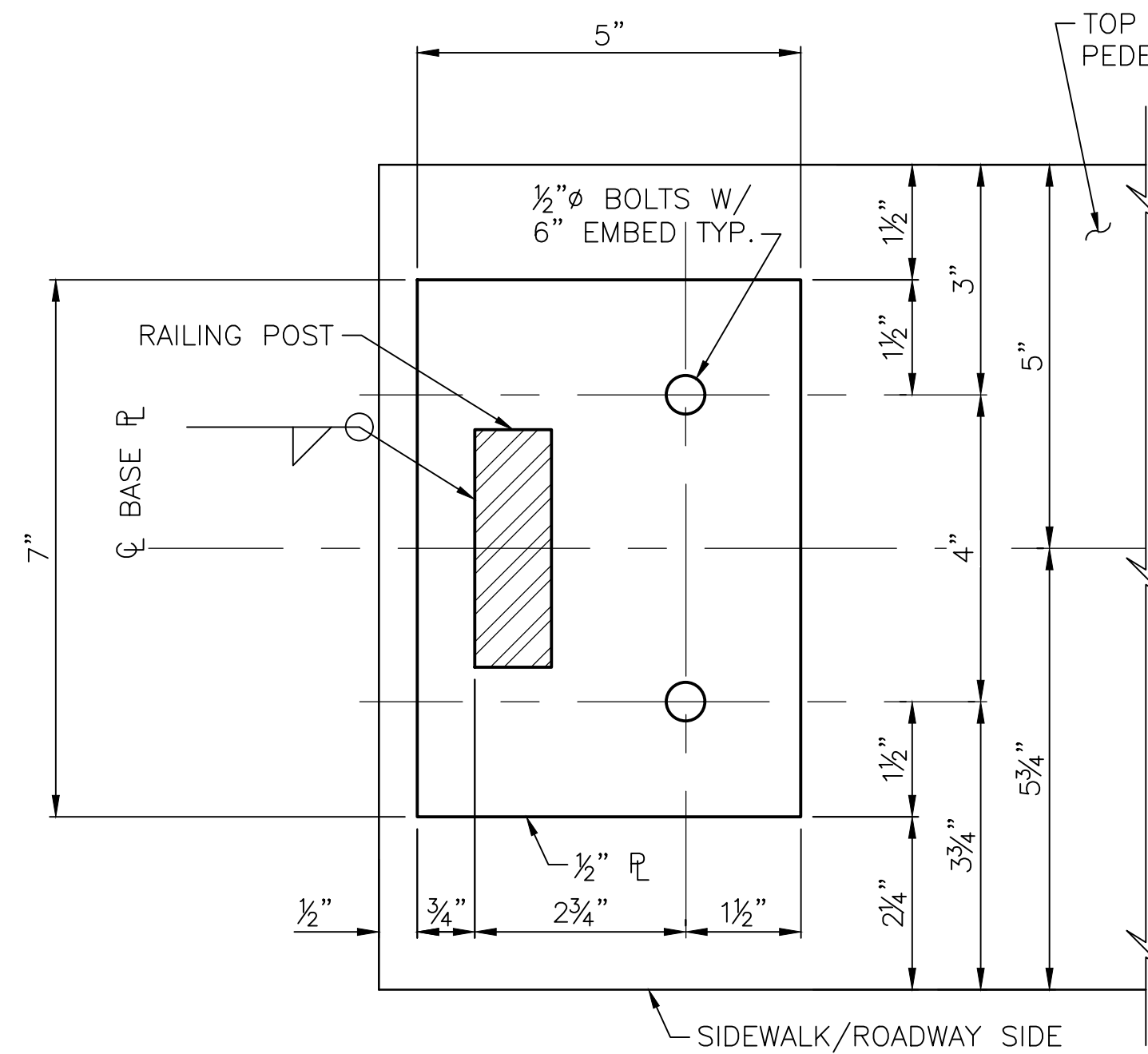
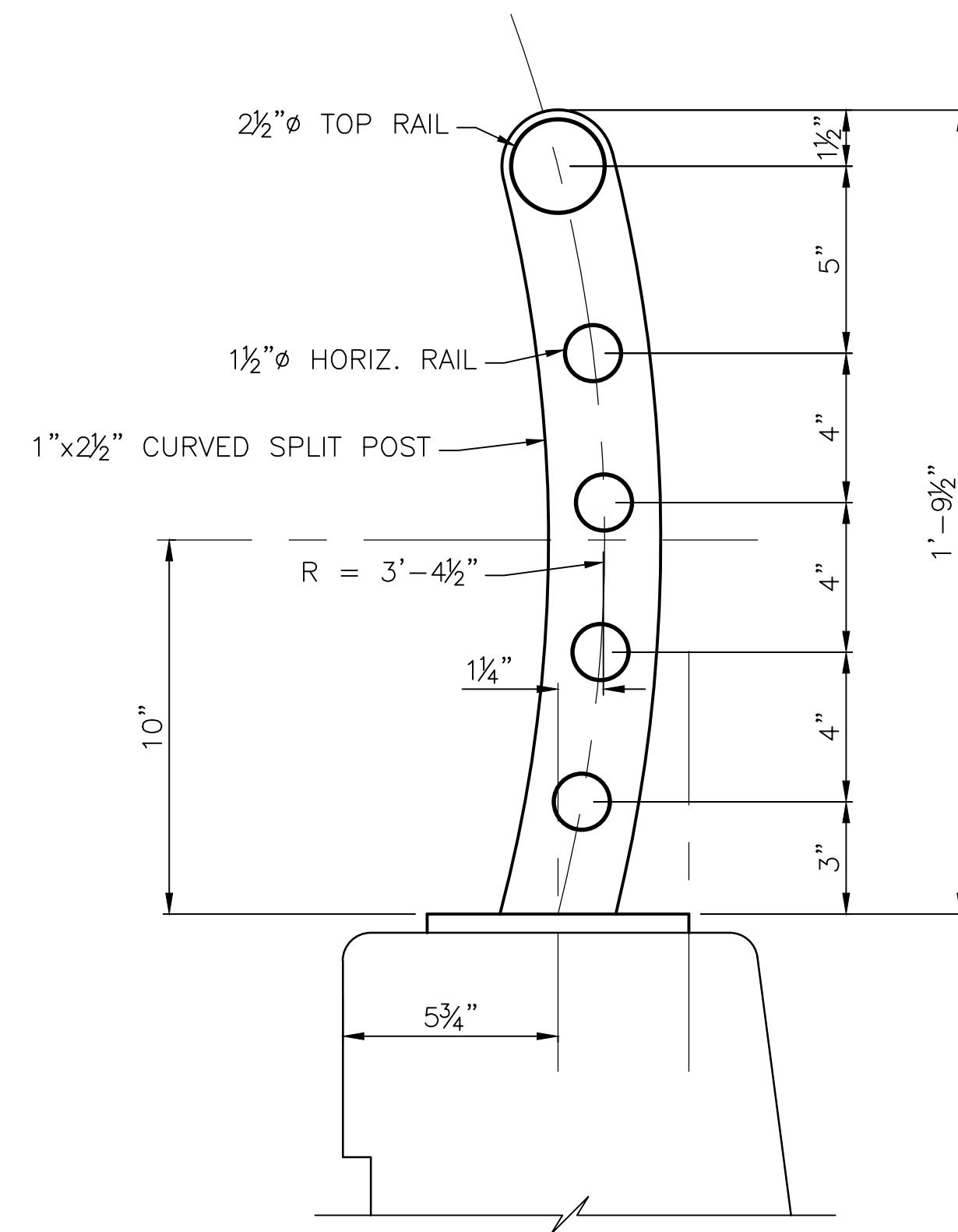
Drawing No.	BR49
Sheet No.	2 of 2

C:\S\3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



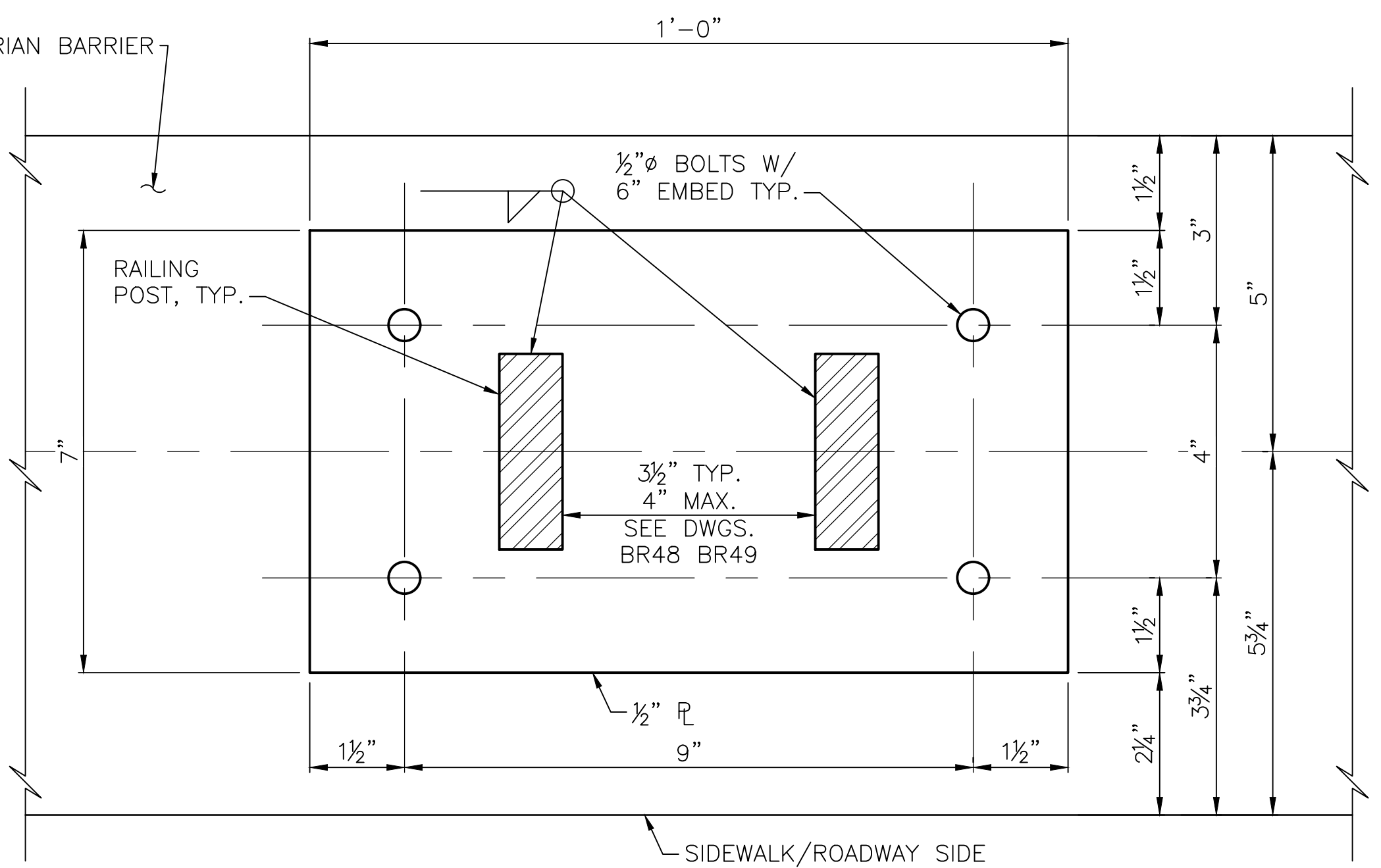
PEDESTRIAN RAILING TYPICAL ELEVATION

- NOTES:**
1. ALL HORIZONTAL RAILS SHALL BE PARALLEL TO GRADE. ALL POSTS SHALL BE VERTICAL.
 2. ALL RAILS SHALL BE SCHEDULE 40 TYPE 304 STAINLESS STEEL PIPE WITH MINIMUM YIELD STRENGTH OF $F_y=31.2$ ksi. SIZES SHOWN ARE NOMINAL PIPE SIZES.
 3. STRUCTURAL STEEL FOR POSTS SHALL CONFORM TO TYPE 304 STAINLESS STEEL WITH A MINIMUM YIELD STRENGTH OF 31.2ksi.
 4. STRUCTURAL STEEL FOR BASE PLATES SHALL CONFORM TO TYPE 316 STAINLESS STEEL WITH A MINIMUM YIELD STRENGTH OF 42 ksi.
 5. WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.1.



END RAILING POST CONNECTION PLATE

USE AT ENDS OF RAILING AND EXPANSION JOINTS



TYPICAL RAILING POST CONNECTION PLATE

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May 04, 2023 - 12:25pm adharper \\seaw01\jose602\CAD\Drawings\STRUC\100100156_BR50.dwg Layout Name: RAILING Details 1

No.	Date	Revision	By	Appr.

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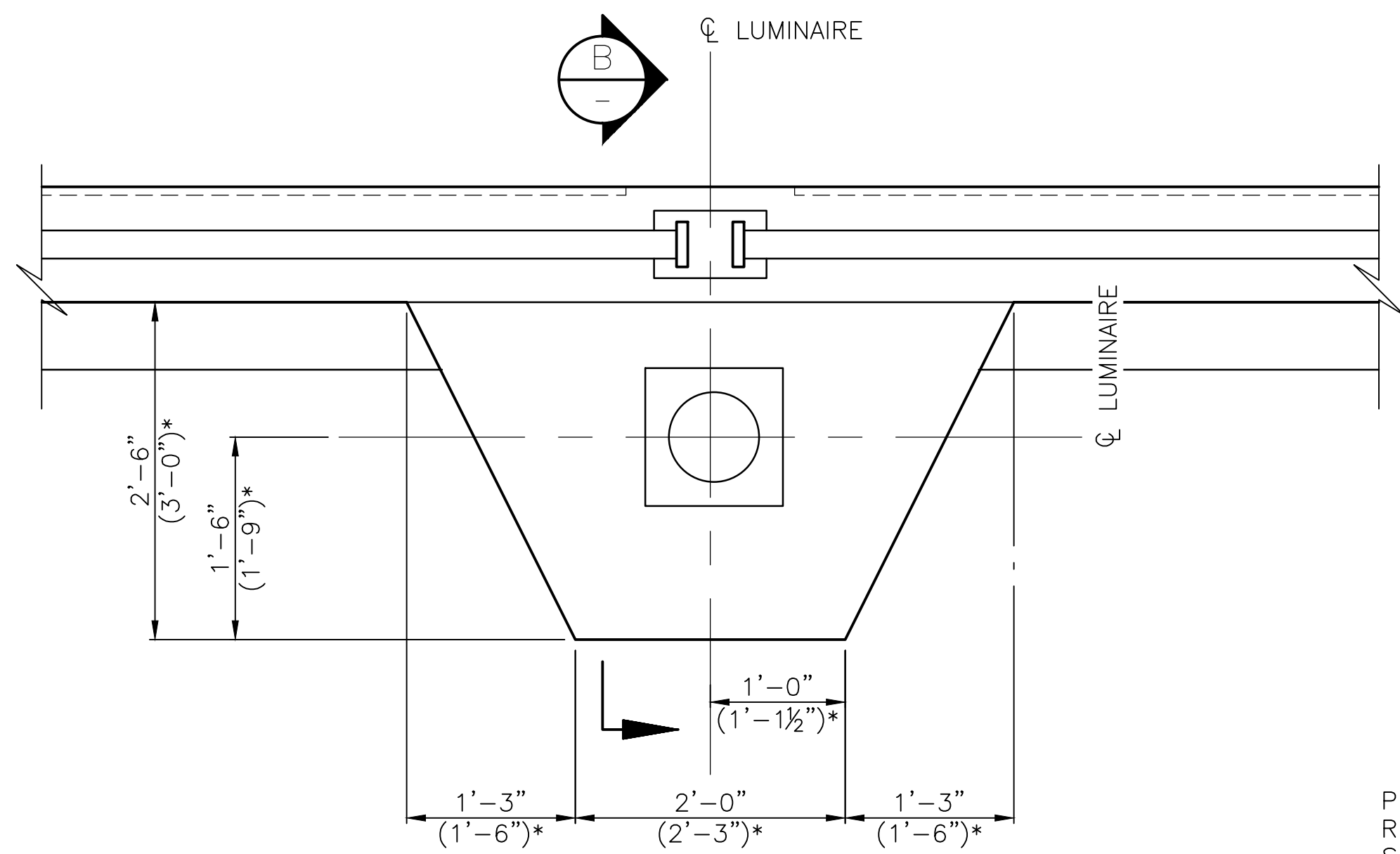


Drawn By	Date	SCALE
ADH	4/3/23	Horiz
Designed By	4/3/23	Vert
SM	4/3/23	Project Number
Checked By	4/3/23	20100156
EBB		
Approved By		

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
RAILING DETAILS 1 OF 3

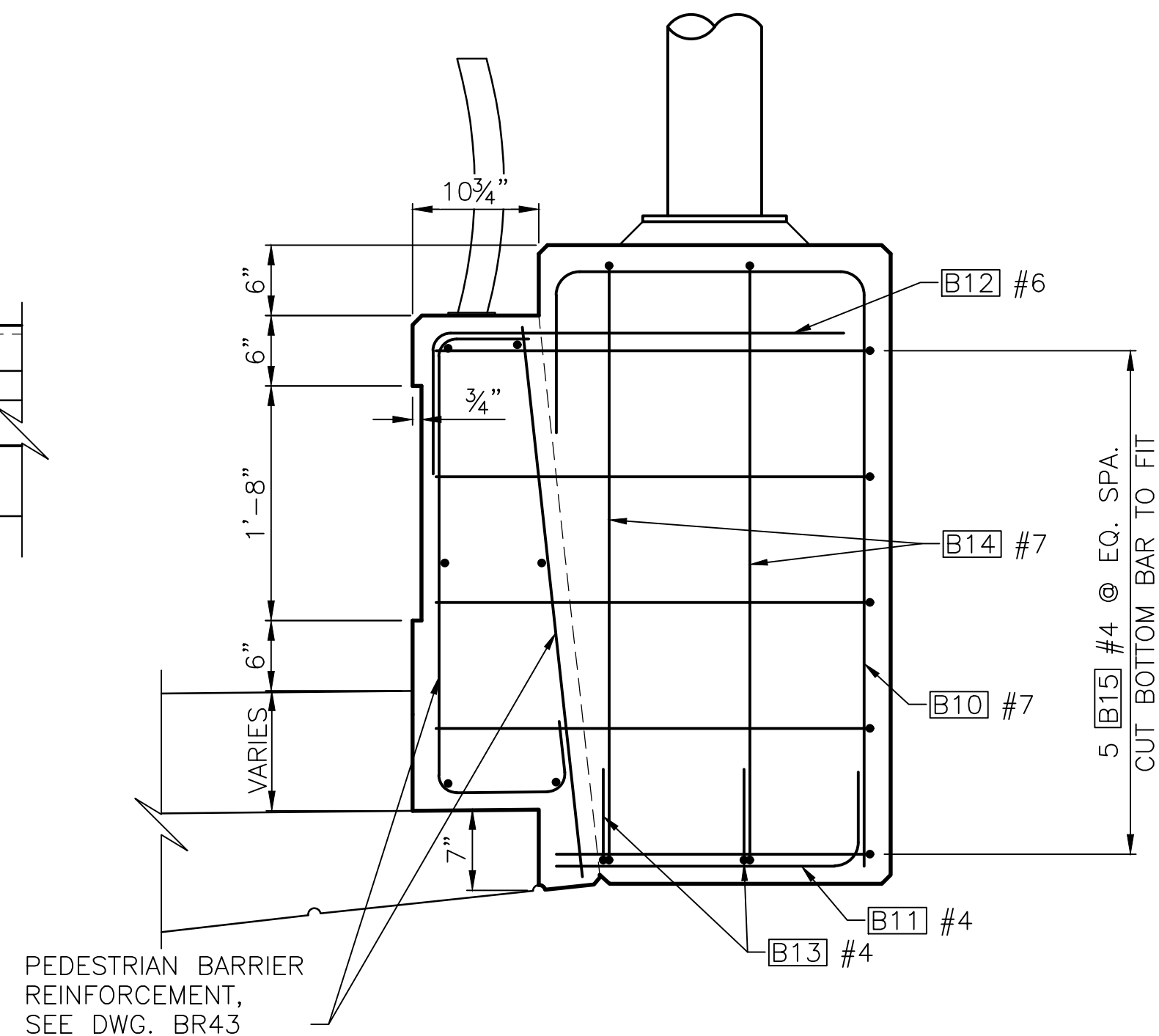
Drawing No.
BR50
Sheet No.
of Total

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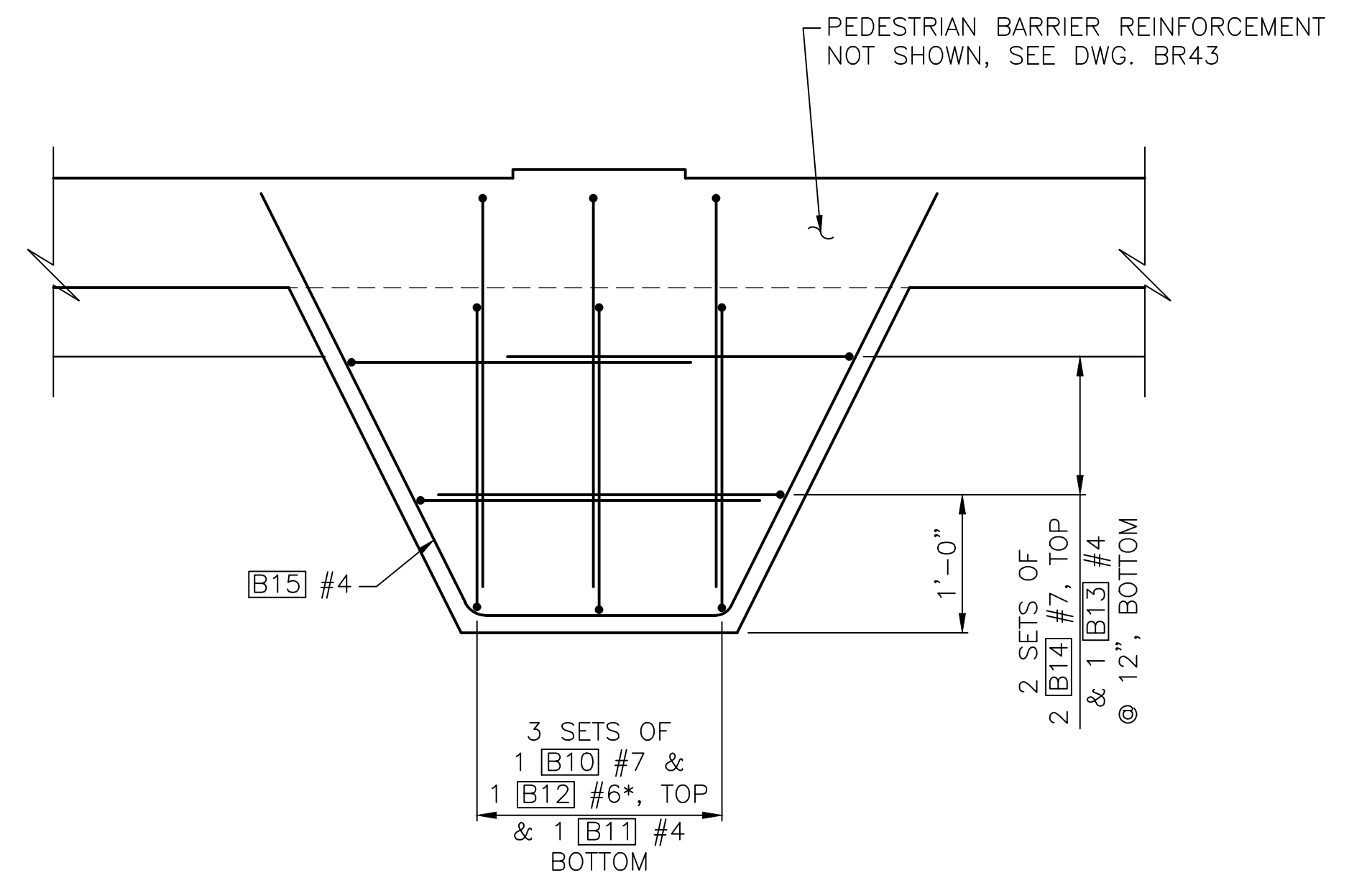


LUMINAIRE PEDESTAL DETAIL

CAMERA POLE AND SIGNAL POLE PEDESTALS SIMILAR
 * DIMENSIONS FOR CAMERA POLE AND TYPE III SIGNAL POLE LOCATIONS.



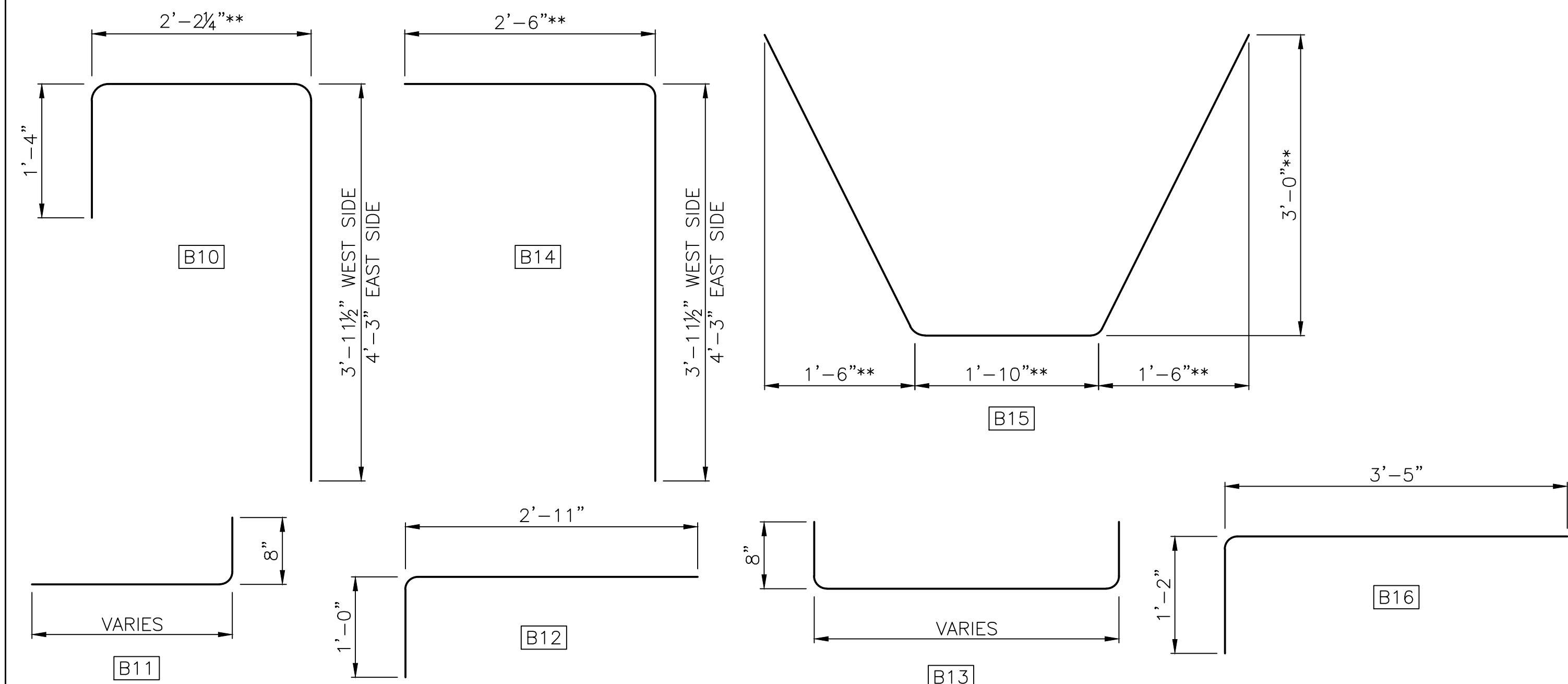
SECTION B



LUMINAIRE PEDESTAL REINFORCEMENT

* AT CAMERA POLE AND TYPE III SIGNAL POLE LOCATION. REPLACE 3 #B12 #6 WITH 7 #B10 #7 ADJUST SPACING TO CLEAR ANCHOR BOLTS.

BENDING DIAGRAM



NOTE: ALL DIMENSIONS ARE OUT TO OUT.
 ** ADJUST LENGTHS FOR CAMERA POLE LOCATIONS.

NOTES:

1. USE LUMINAIRE PEDESTAL DETAIL FOR ALL LUMINAIRE POLES, PEDESTRIAN LIGHTING POLES, CAMERA POLES AND SIGNAL POLES AS SHOWN IN ILLUMINATION PLANS AND ON DWGS. BR1, BR2, AND SG1.
2. FOR LUMINAIRE BASE DETAILS NOT SHOWN, SEE CITY OF LYNNWOOD STANDARD PLAN 8-08.
3. FOR CAMERA POLE MOUNTING DETAILS NOT SHOWN, SEE WSDOT STANDARD PLAN J-29.10-00.
4. FOR SIGNAL POLE BASE DETAILS NOT SHOWN, SEE WSDOT STANDARD PLAN J-21.10-04 FOR TYPE I SIGNAL POLE AND SEE WSDOT STANDARD PLAN J-26.10-02 FOR TYPE III SIGNAL POLE.

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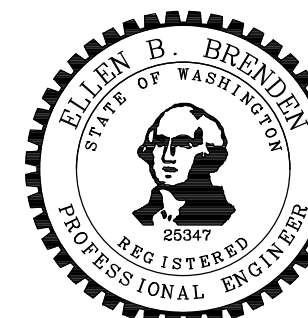
May 04, 2023 - 12:25pm adharper \\seaw01\pjs61024\CADD\SS01\Drawings\STRUC\0100166_BR51.dwg Layout Name: RAILING DETAILS

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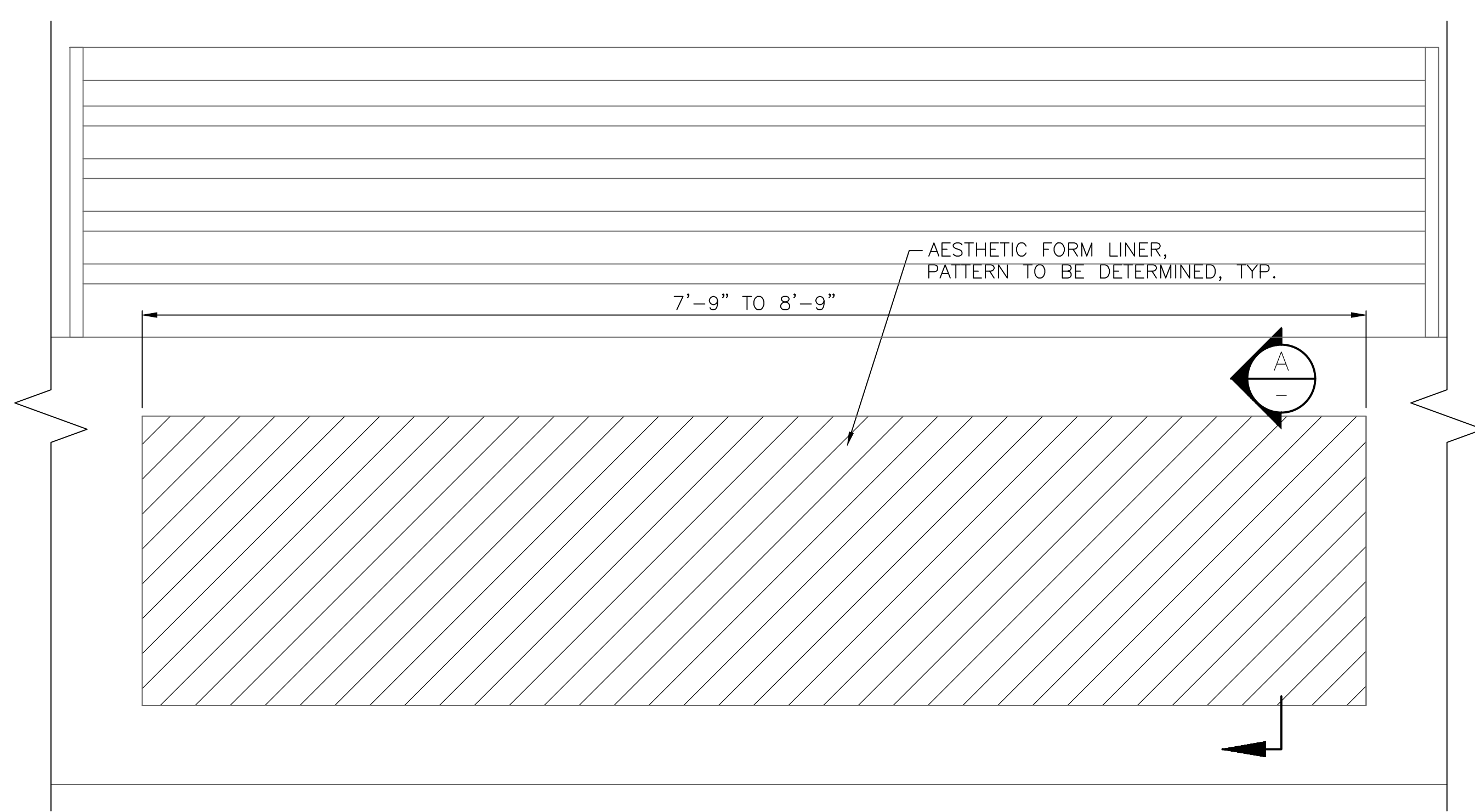


Drawn By ADH	Date 4/3/23	SCALE
Designed By SM	4/3/23	Horiz N/A
Checked By EBB	4/3/23	Vert N/A
Approved By		Project Number 20100156

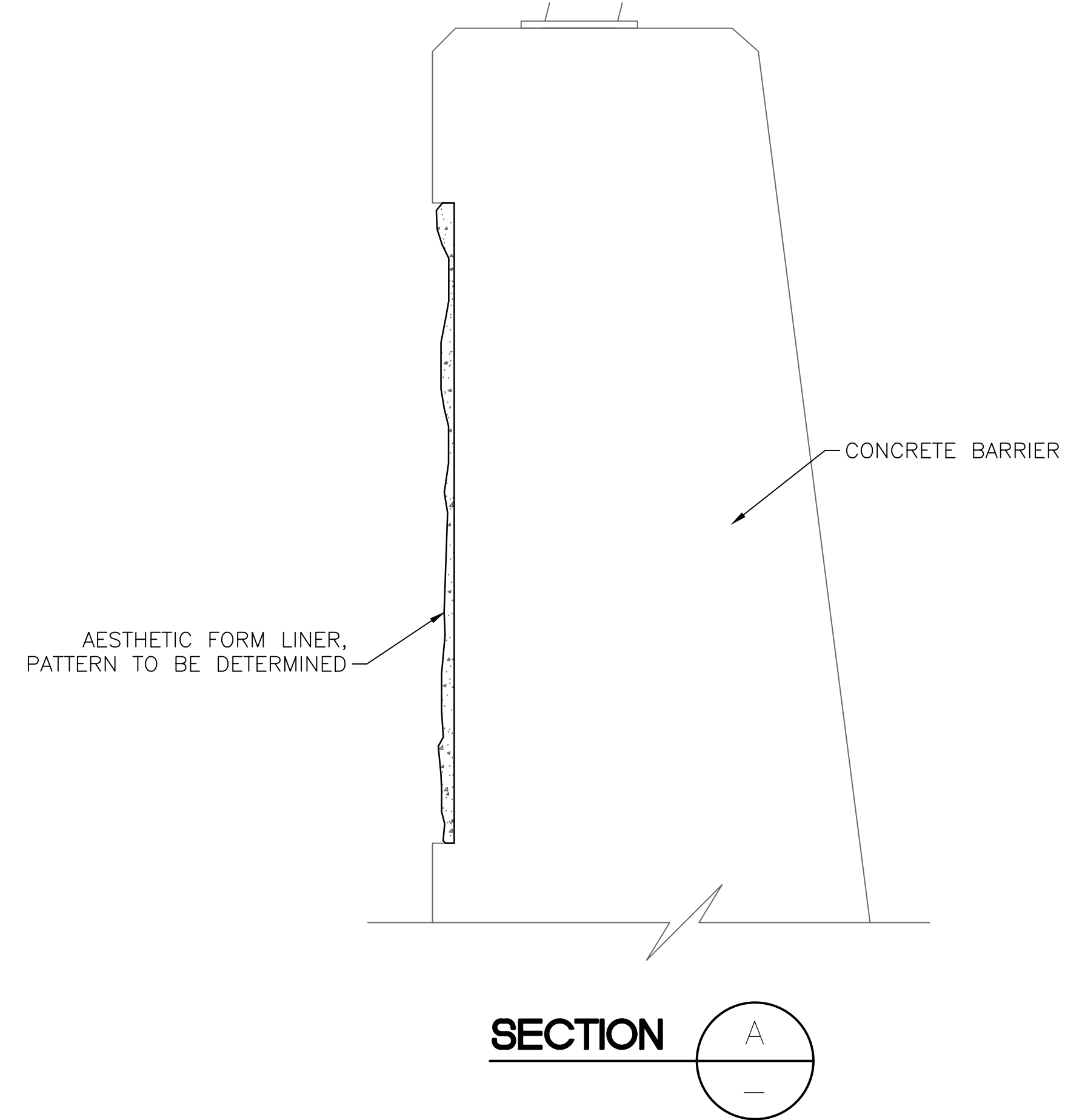
CITY OF LYNNWOOD
 POPLAR WAY EXTENSION BRIDGE
RAILING DETAILS 2 OF 3

Drawing No. BR51
Sheet No.
of Total

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TYPICAL FORM LINER DETAIL



SECTION A

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No.	Date	Revision	By	Appr.

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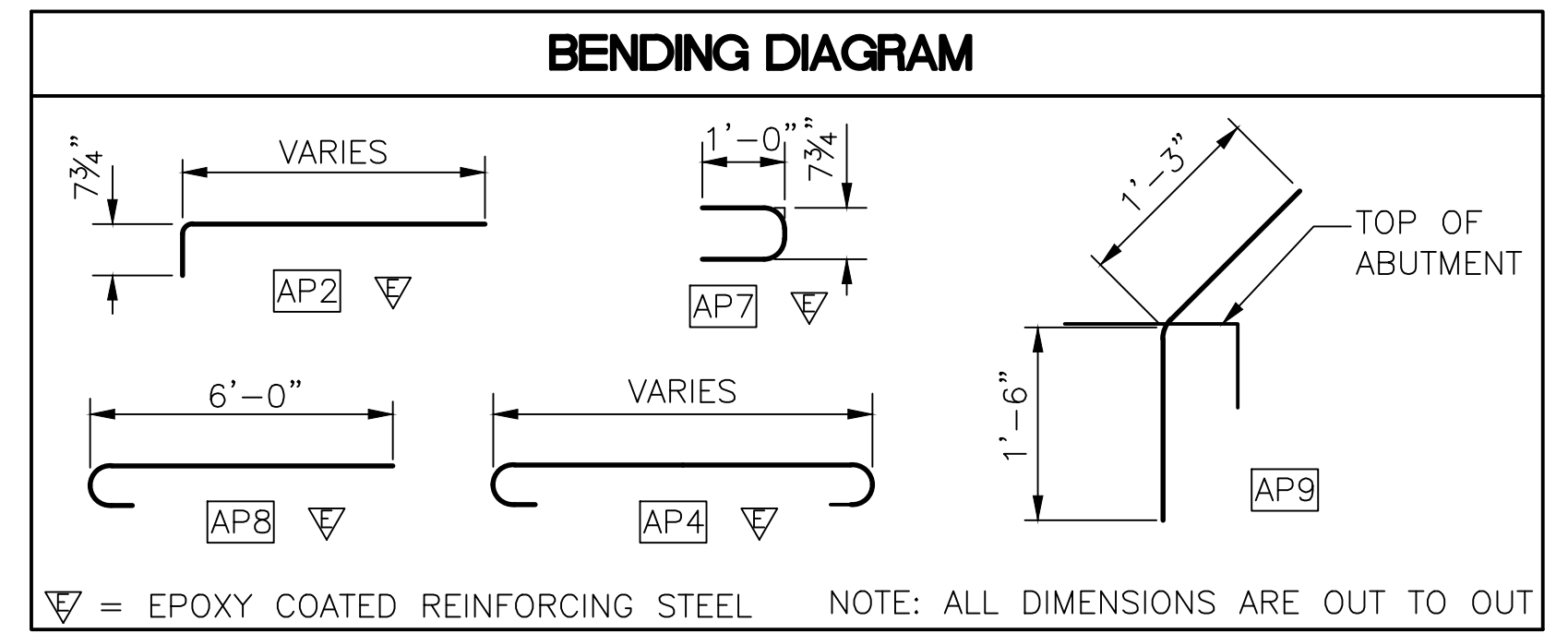
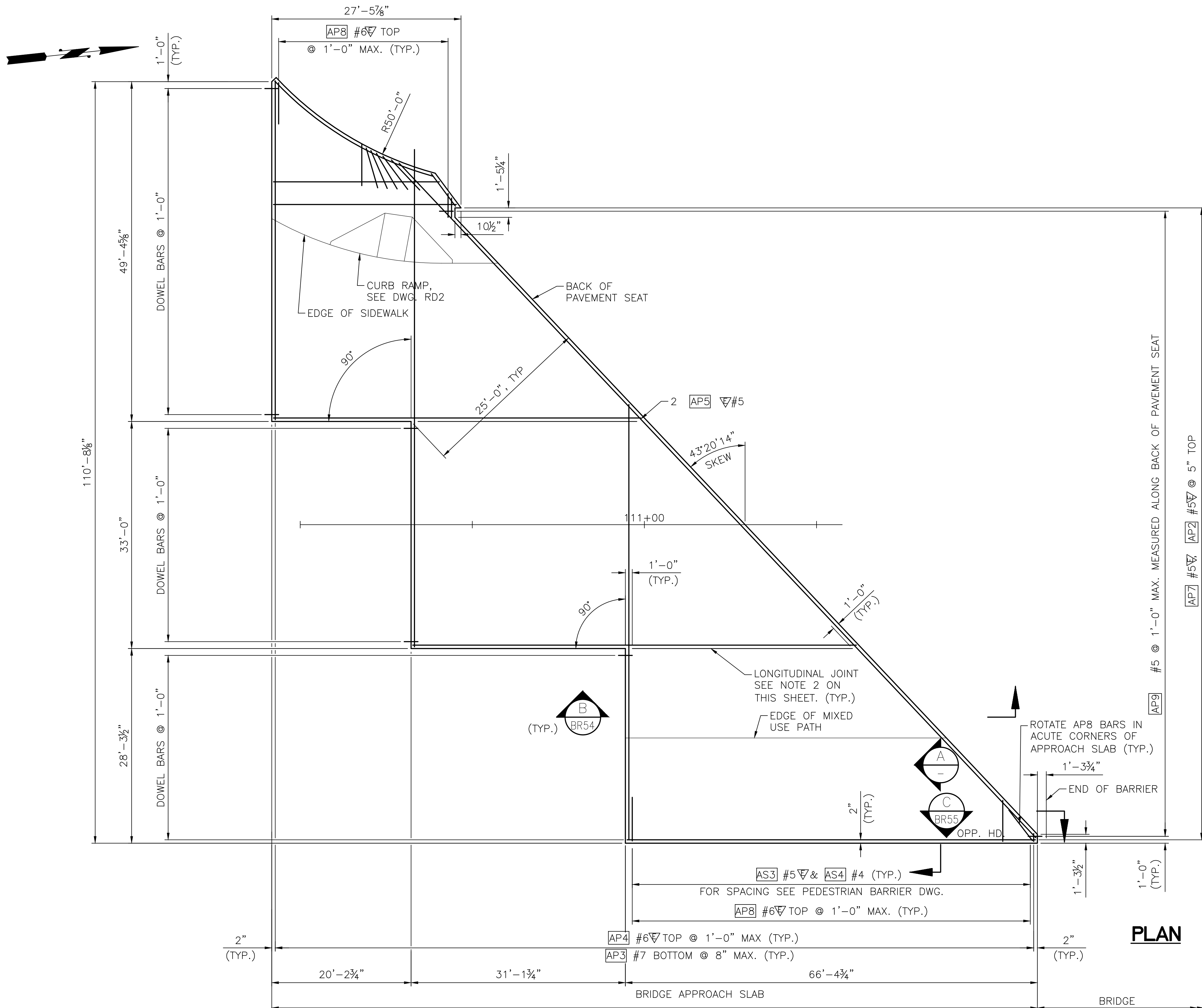


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ADH	4/3/23	Horiz
Designed By		Vert
EBB	4/3/23	Project Number
Checked By		20100156
BME	4/3/23	
Approved By		

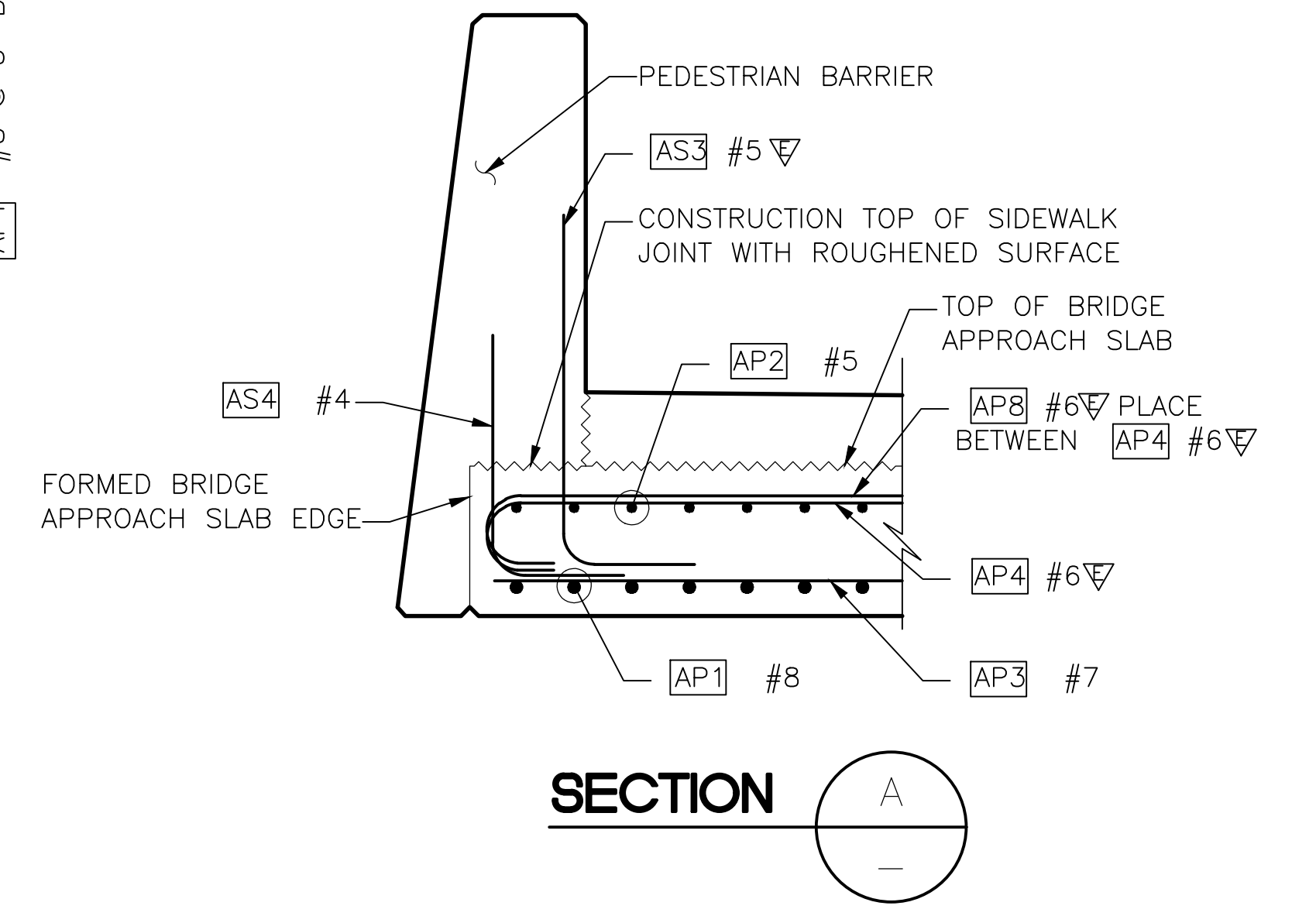
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RAILING DETAILS 3 OF 3

Drawing No.
BR52
Sheet No.
of Total

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- NOTES:**
1. ALL EDGES OF BRIDGE APPROACH SLAB SHALL HAVE 1/2" RADIUS EXCEPT AT LONGITUDINAL JOINTS AND ADJACENT TO L-TYPE ABUTMENTS.
 2. LONGITUDINAL JOINTS SHALL BE PLACED ON LANE LINES AND SHALL BE CONSTRUCTED AND SEALED IN ACCORDANCE WITH WSDOT STD. SPEC. SECTION 5-05.3(8). JOINTS MAY BE EITHER A SAWCUT CRACK CONTROL JOINT OR A CONSTRUCTION JOINT. SAWCUT JOINTS SHALL TERMINATE 1'-0" BEFORE REACHING EDGE OF SLAB AND MUST BE SAW CUT AS SOON AS POSSIBLE AFTER PLACEMENT OF CONCRETE. SEE "LONGITUDINAL JOINT DETAIL ON DRAWING BR55.
 3. FOR MINIMUM LAP SPICE LENGTHS, SEE DWG. BR3. ALL LAP SPLICES SHALL BE STAGGERED SO THAT NO MORE THAN 50% OF REBAR IS SPLICED AT THE SAME LOCATION. LAP SPLICES SHALL BE LOCATED WITHIN THE MIDDLE HALF OF THE BRIDGE APPROACH SLAB. OPTIONAL SPLICES ARE ALLOWED FOR AP4 #6.



NOTE: PAYMENT FOR SIDEWALK CONCRETE AND REINF. WILL BE INCLUDED WITH BRIDGE APPROACH SLAB.

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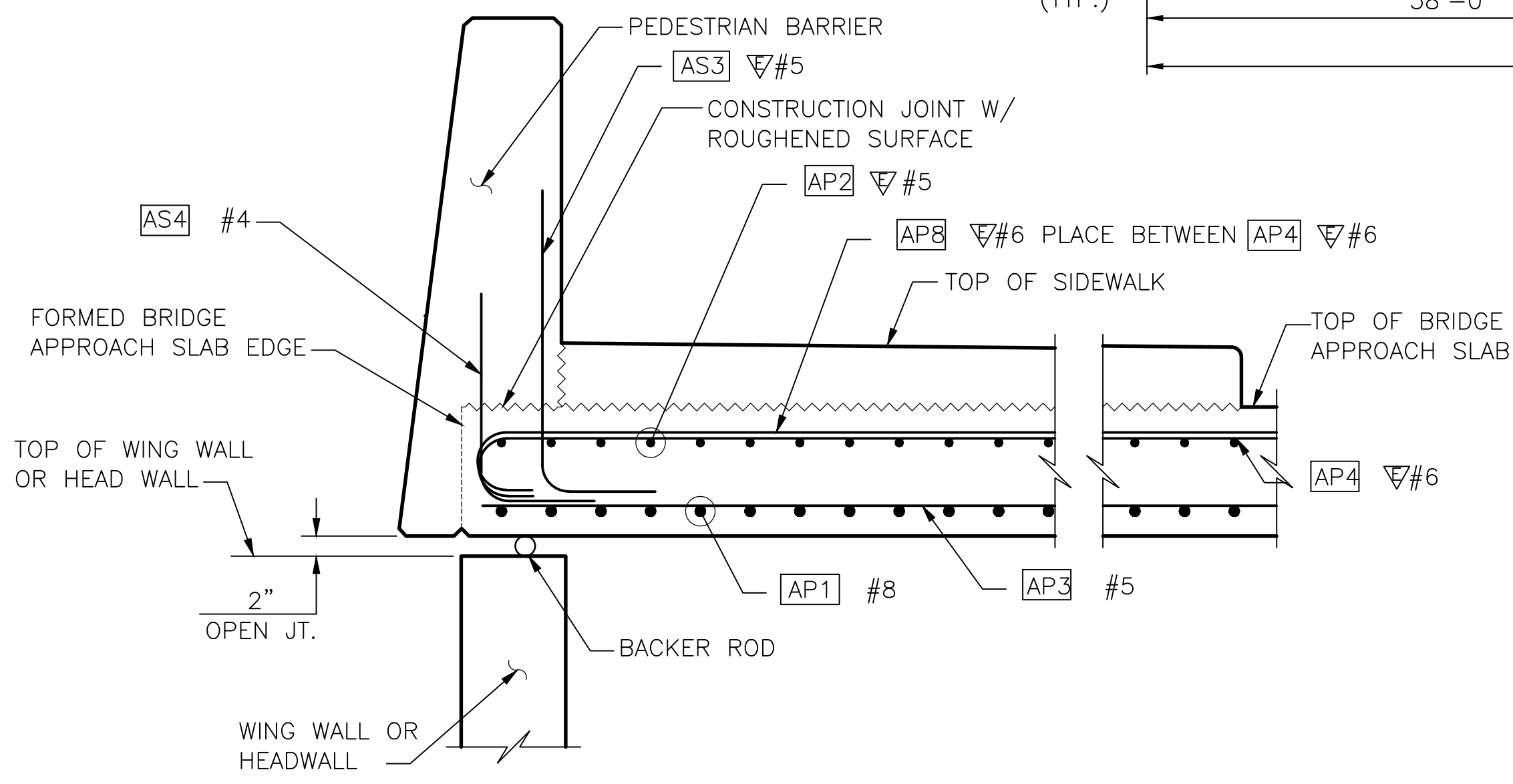
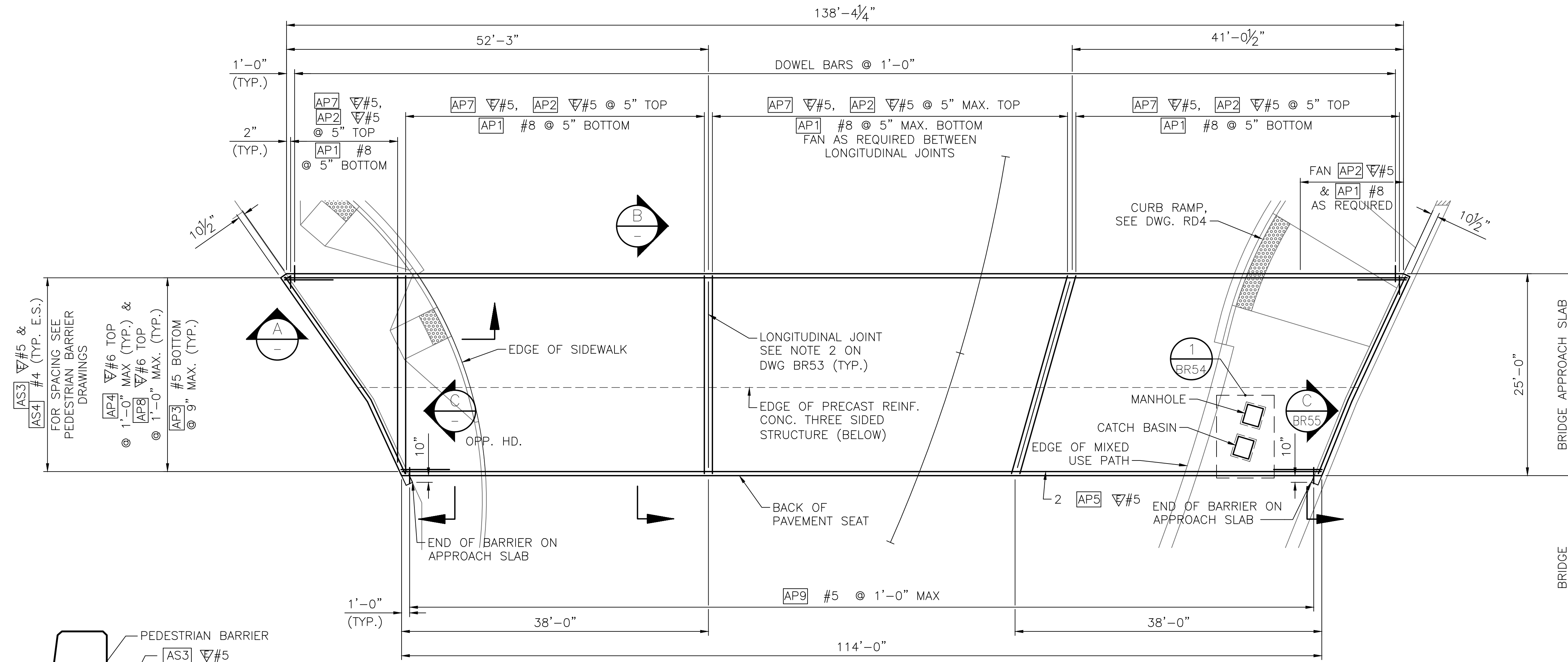
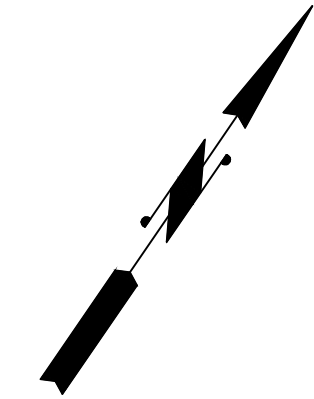


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Designed By	4/3/23	Vert N/A
Checked By	4/3/23	Project Number 20100156
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CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
BRIDGE APPROACH SLAB AT PIER 1

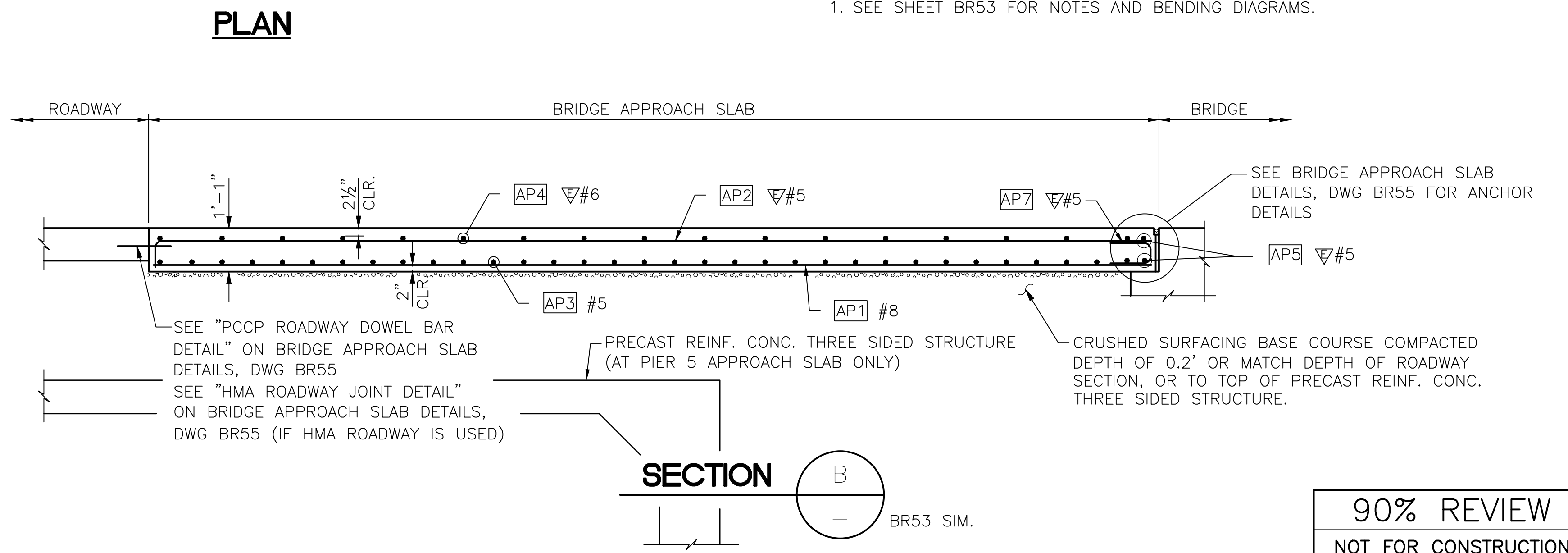
Drawing No.	BR53
Sheet No.	
of Total	

C:\S\3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



SECTION A

NOTE: PAYMENT FOR SIDEWALK CONCRETE AND REINF. WILL BE INCLUDED WITH BRIDGE APPROACH SLAB.



SECTION B
BR53 SIM.

NOTE:
1. SEE SHEET BR53 FOR NOTES AND BENDING DIAGRAMS.

May 04, 2023 - 12:25pm adharper l:\seaw0\jpas6\024\CADD\SDS01\Drawings\STRUC\20100156_BR54.dwg Layout Name: Bridge Approach Slab at Pier 5

C:\S1\3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE

No.	Date	Revision	By	Appr.

HNTB
HNTB Corporation
777 108th Avenue NE
Suite 1000
Bellevue, WA 98004
(425) 455-3555

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD WASHINGTON

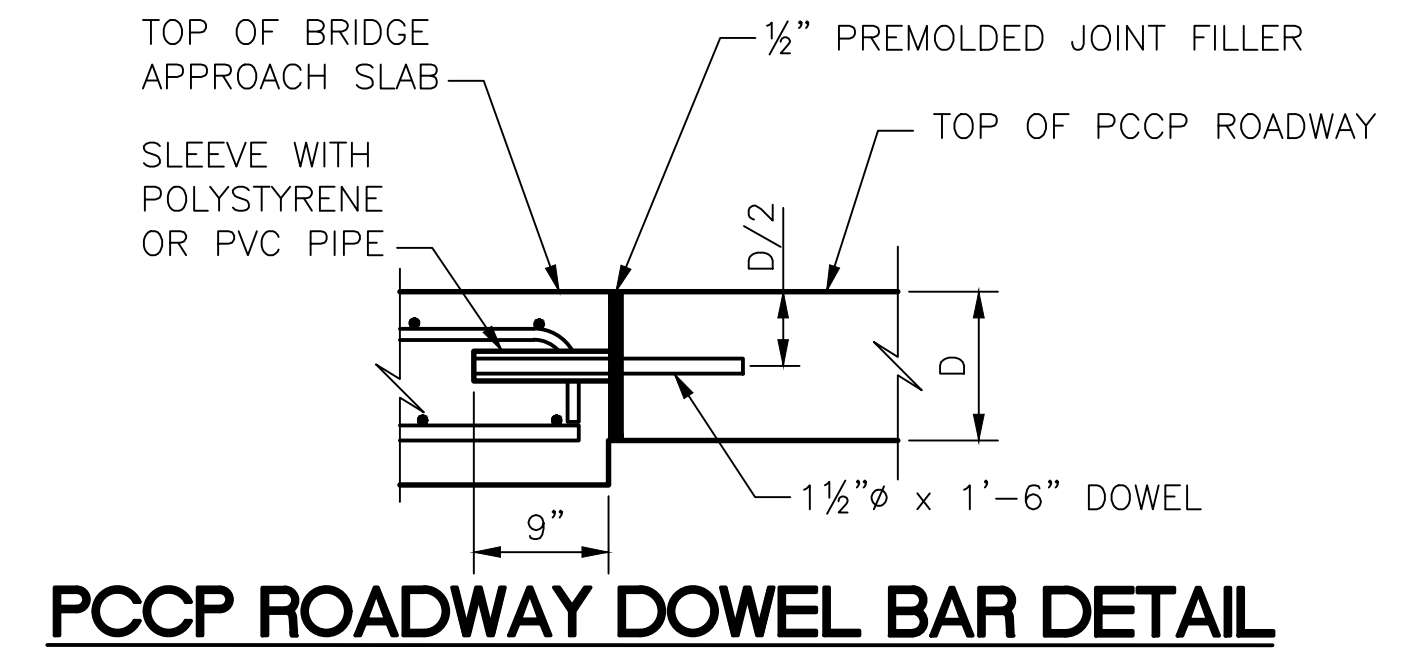


Drawn By	Date	SCALE
ADH	4/3/23	Horiz N/A
Designed By		Vert N/A
EBB	4/3/23	Project Number
Checked By	4/3/23	20100156
Approved By		

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
BRIDGE APPROACH SLAB AT PIER 5

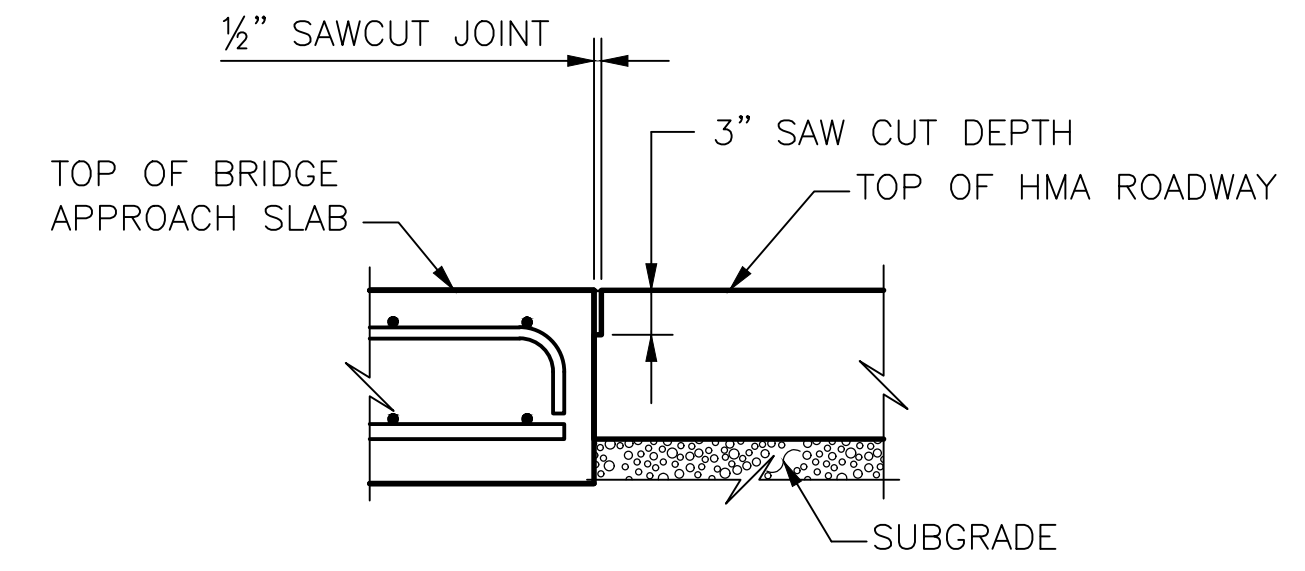
Drawing No.
BR54
Sheet No.
of Total

90% REVIEW
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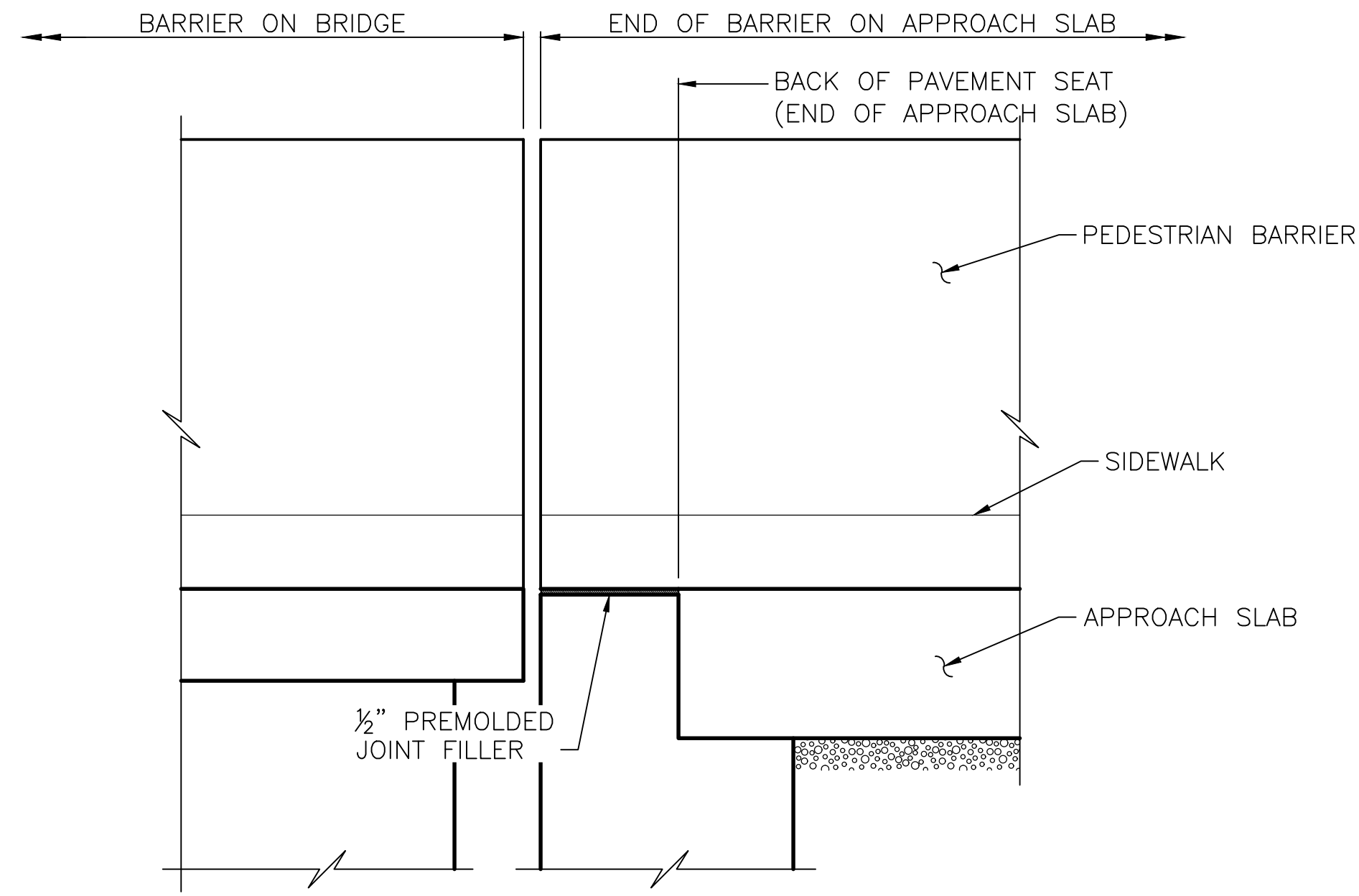
PCCP ROADWAY DOWEL BAR DETAIL

INSERT DOWELS PARALLEL TO CENTER LINE ALONG TRANSVERSE CONSTRUCTION JOINT.

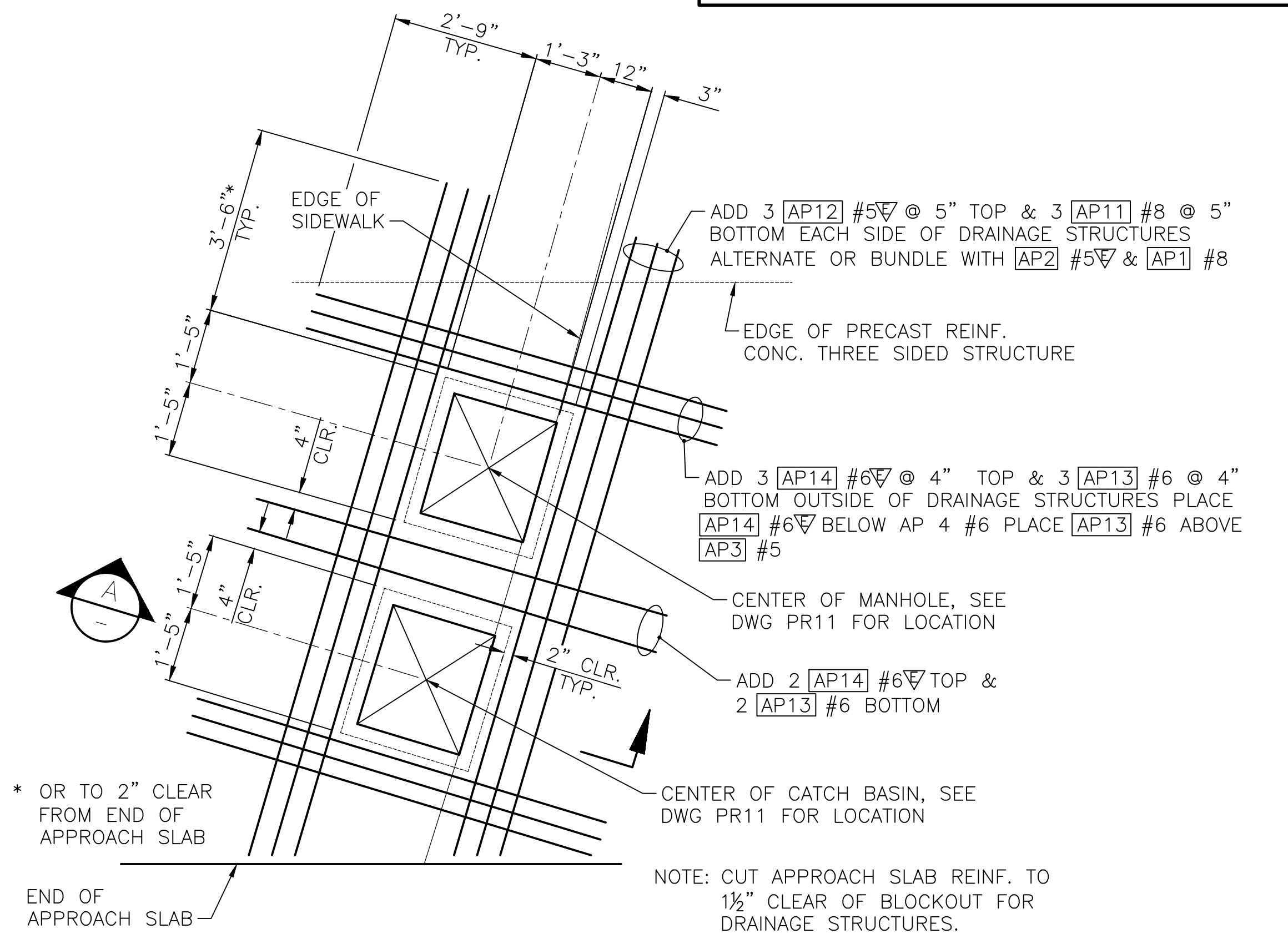


HMA ROADWAY JOINT DETAIL

SAWCUT SHALL BE FILLED WITH HOT-POURED COMPONENT IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION SECTION 9-04.2(1) AND SEALED IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION SECTION 5-05.3(8)B.

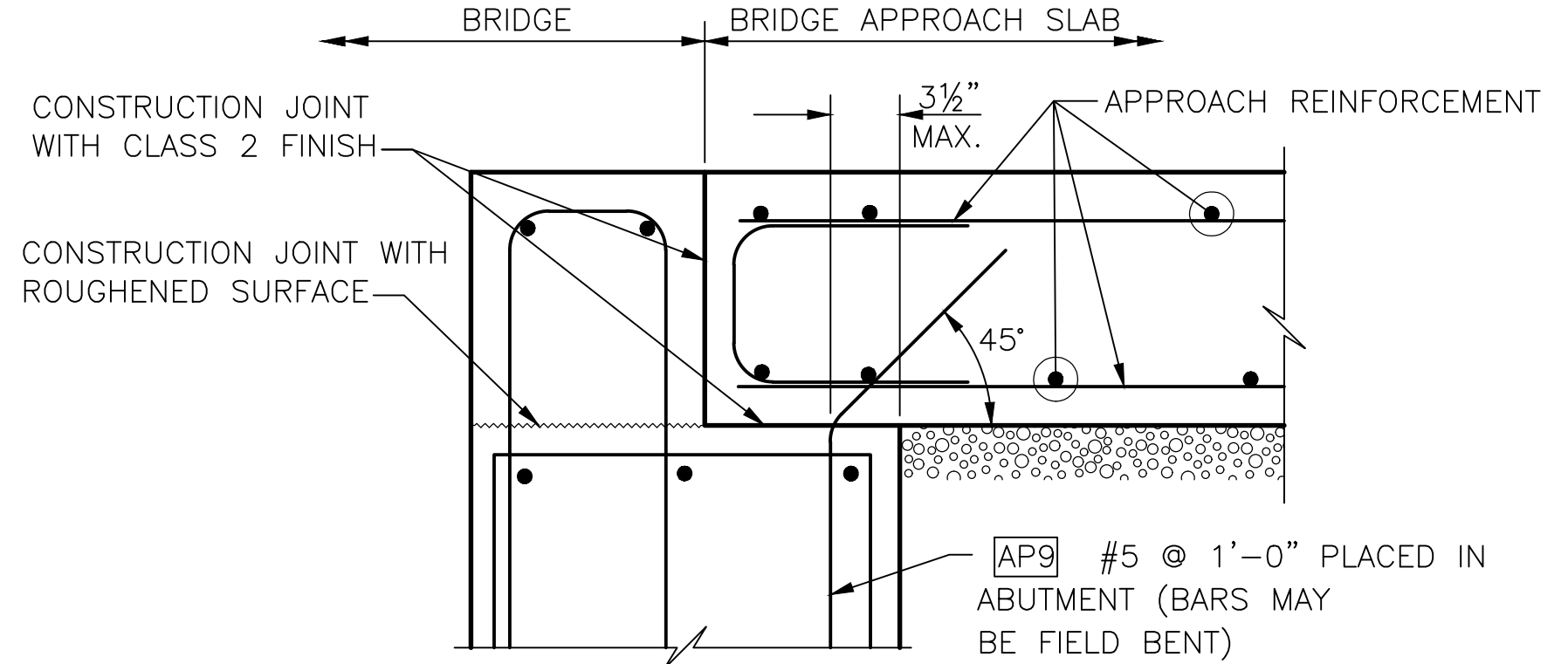


SECTION C
BR54
BR53

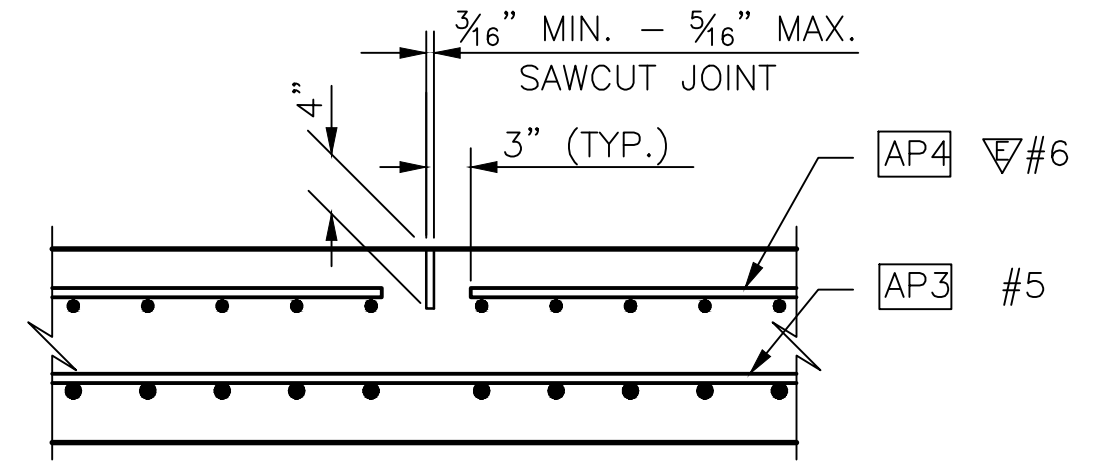


* OR TO 2" CLEAR FROM END OF APPROACH SLAB

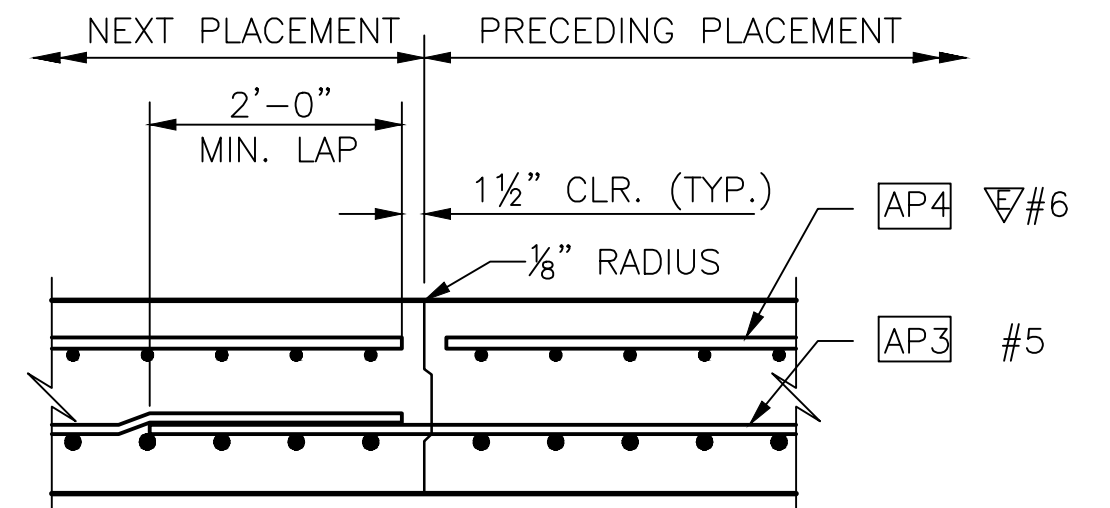
NOTE: CUT APPROACH SLAB REINF. TO 1/2" CLEAR OF BLOCKOUT FOR DRAINAGE STRUCTURES.



ANCHOR DETAIL

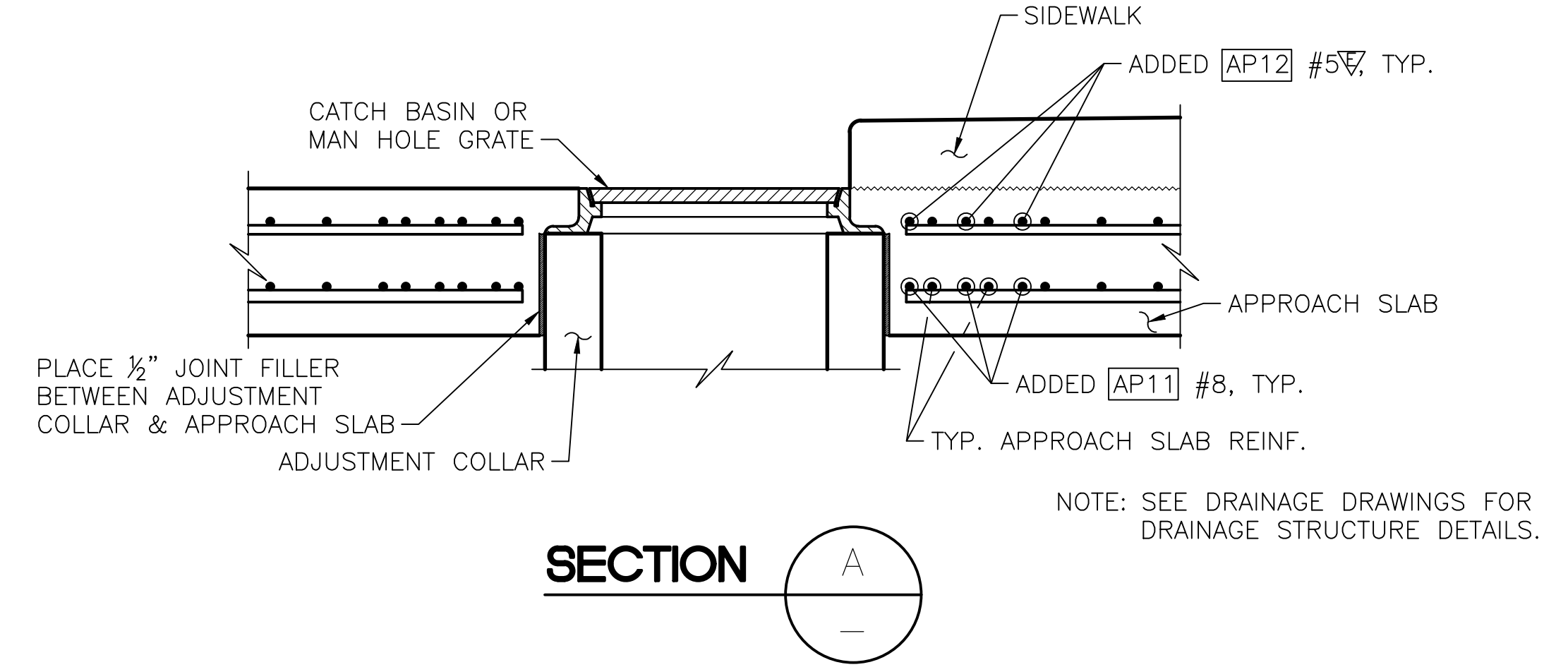


LONGITUDINAL JOINT DETAIL



ALTERNATE LONGITUDINAL JOINT DETAIL

EDGE PRECEDING PLACEMENT ONLY WITH 1/8" RADIUS.



SECTION A

NOTE: SEE DRAINAGE DRAWINGS FOR DRAINAGE STRUCTURE DETAILS.

90% REVIEW
NOT FOR CONSTRUCTION

May 04, 2023 - 12:26pm adharper \\seaw01\jbs6024\CADD\DS01\Drawings\STRUCT\0100166_BR55.dwg Layout Name: Bridge Approach Slab Details

No.	Date	Revision	By	Appr.

HNTB
HNTB Corporation
777 108th Avenue NE
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LYNNWOOD
WASHINGTON



Drawn By ADH	Date 4/3/23	SCALE
Designed By EBB	4/3/23	Horiz N/A
Checked By TZ	4/3/23	Vert N/A
Approved By		Project Number 20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
BRIDGE APPROACH SLAB DETAILS

Drawing No. BR55
Sheet No.
of Total

C:\S\3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE

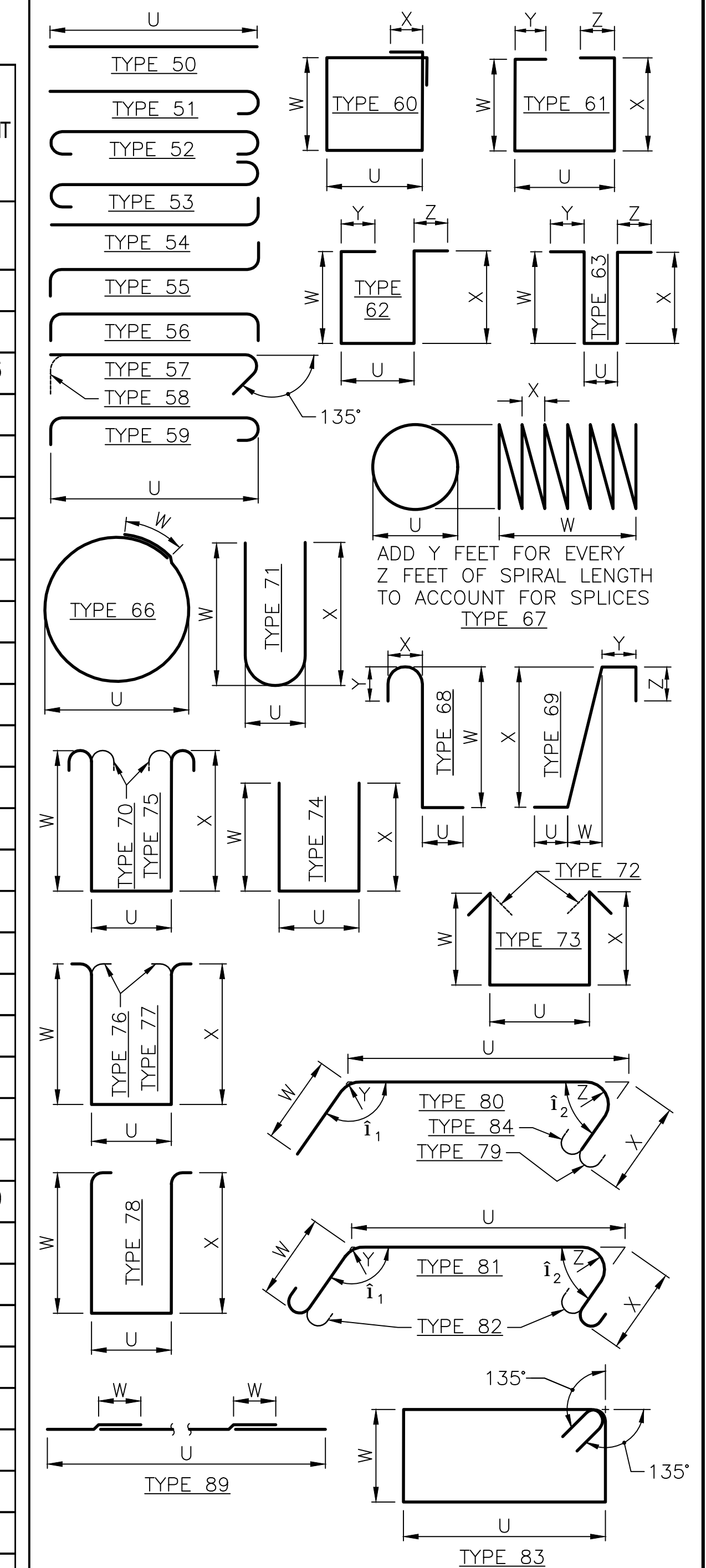
S = Bar is included in substructure quantities.
 L = Lump sum quantity
 T = Transverse or S = Seismic
 E = Bar is to be epoxy coated.
 V = Bar dimensions vary between dimension shown on this line and the following line.

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MARK NO.	LOCATION	SIZE	NO REQ'D	BEND TYPE	TIE OR STIR.	LUMP SUM	SUBSTR.	EPOXY COAT	VARIES	NO. EACH	DIMENSIONS (OUT TO OUT)										LENGTH		WEIGHT														
											U		W		X		Y		Z		Ø1	Ø2		Ft.	In.	Lbs.											
											Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Deg.	Deg.															
PIER 2 SHAFTS																																					
F21	SHAFT LONG BAR	10	322	50				S			59	8										29	8	41105													
F23	SHAFT SPIRAL	6	7	67				S			7	0	5	8	0	4	0	8	60	0			466	6	4905												
F24	SHAFT SPIRAL	6	7	67				S			7	0	53	7	0	9	0	8	60	0			1677	1	17633												
PIER 3 SHAFTS																																					
F31	SHAFT LONG BAR	10	322	50				S			59	8										34	8	48033													
F33	SHAFT SPIRAL	6	7	67				S			7	0	5	8	0	4	0	8	60	0			466	6	4905												
F34	SHAFT SPIRAL	6	7	67				S			7	0	53	7	0	9	0	8	60	0			1677	1	17633												
PIER 4 SHAFTS																																					
F21	SHAFT LONG BAR	10	322	50				S			59	8										29	8	41105													
F23	SHAFT SPIRAL	6	7	67				S			7	0	5	8	0	4	0	8	60	0			466	6	4905												
F24	SHAFT SPIRAL	6	7	67				S			7	0	53	7	0	9	0	8	60	0			1677	1	17633												
PIER 2 COLUMNS																																					
C21	COL. LONG. BAR	8	224	50				S	V	36	32	8										35	2	20958													
C22	COL. HOOPS	6	618	66				S			3	8	0	0								11	6	10693													
PIER 3 COLUMNS																																					
C31	COL. LONG. BAR	8	224	50				S	V	36	31	10										33	6	19886													
C32	COL. HOOPS	6	583	66				S			3	8	0	0								11	6	10087													
PIER 4 COLUMNS																																					
C41	COL. LONG. BAR	8	224	50				S	V	36	31	11										35	5	21631													
C42	COL. HOOPS	6	623	66				S			3	8	0	0								11	6	10779													

MARK NO.	LOCATION	SIZE	NO REQ'D	BEND TYPE	TIE OR STIR.	LUMP SUM	SUBSTR.	EPOXY COAT	VARIES	NO. EACH	DIMENSIONS (OUT TO OUT)										LENGTH		WEIGHT														
											U		W		X		Y		Z		Ø1	Ø2		Ft.	In.	Lbs.											
											Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Deg.	Deg.															
ABUTMENT 1																																					
F101	FOOTING TOP BAR	7	281	50				S			16	8										16	8	9573													
F102	FOOTING BOT. BAR	8	281	50				S			16	8										16	8	12505													
F103	FOOTING TOP BAR	5	36	50				S			36	7										36	7	1374													
F104	FOOTING TOP BAR	5	36	50				S	V	1	34	7										34	7	1048													
F105	FOOTING BOT. BAR	6	36	50				S			36	7										36	7	1978													
F106	FOOTING BOT. BAR	6	36	50				S	V	1	34	7										34	7	1428													
F107	FOOTING DOWEL	7	128	54				S			5	0										6	0.5	1581													
F108	FOOTING DOWEL	9	270	54				S			6	6										7	10.5	7229													
F109	FOOTING TOP BAR	7	24	50				S	V	1	16	8										16	8	503													
F110	FOOTING BOT. BAR	8	24	50				S	V	1	16	8										16	8	657													
F111	FOOTING TOP BAR	5	18	50				S			17	7										17	7	330													
F112	FOOTING BOT. BAR	6	18	50				S			17	7										17	7	475													
F113	FOOTING DOWEL	8	62	54				S			8	6										9	8.3	1605													
F114	FOOTING SHEAR KEY	4	24	80				S			0	9	5	0	5	0						135	135	10	7.2	170											
A101	WALL VERT. BAR	7	128	50				S	V	1	22	2										22	2	5320													
A102	WALL VERT. BAR	9	270	50				S	V	1	22	5										22	5	18819													
A103	WALL HORIZ. BAR	6	96	50				S			35	5										35	5	5107													
A104	WALL HORIZ. BAR	6	48	50				S			35	5										35	5	2553													
A105	WALL HORIZ. BAR	6	48	50				S			35	5										35	5	2553													
A106	WALL HORIZ. BAR	4	42	50				S			40	0										40	0.0	1122													
A107	WALL HORIZ. BAR	4	14	50				S			13	9										13	9.0	129													
A108	WALL TOP BAR	5	128	74				S			0	9.5	3	1	7	3						10	11.4	1462													
A109	WALL STEP BAR	5	128	74				S			5	4	2	6	0	0						7	7.9	1022													
A110	WALL STEP BAR	5	135	74				S			1	8	6	6	0	0						7	11.9	1125													
A111	WALL END BAR	5	24	80				S			5	6.5	1	0	1	0						133.3	46.6	7	4.4	184											
A112	TIE BARS	4	768	58	T			S			4	0.5										4	8.9	2432													
A113	GIRDER STOP BAR	4	104	74				S			1	8	2	7	2	7						6	8.3	465													
A114	GIRDER STOP BAR	4	52	61				S			3	3	1	2	1	2	0	8	0	8		6	7.5	230													
A115	SIDEWALL BAR	5	8	80				S			1	4.5	4	4	5	0						113.3	66.7	10	6.4	88											
A116	SIDEWALL BAR	5	8	80				S			1	6.5	5	5	5	5						133.3	46.6	12	2.4	102											
A117	SIDEWALL BAR	5	2	50				S			5	5										5	5	11													

BENDING DIAGRAMS



- NOTES:**
- ALL REINFORCING BARS ON THIS SHEET SHALL BE ASTM A 706 UNLESS SHOWN OTHERWISE.
 - REINFORCING FOR TRAFFIC BARRIERS NOT SHOWN IN THE BAR LIST, SEE TRAFFIC BARRIER SHEET.
 - NUMBER AND LENGTH OF BARS TO BE DETERMINED BY THE CONTRACTOR FROM PLANS.

90% REVIEW
 NOT FOR CONSTRUCTION

May 04, 2023 - 12:26pm adharper:\aseaw0\jase6024\CADD\DS001\Drawings\STRUC\UC10010156_BR56.dwg Layout Name: Barlist 1

No.	Date	Revision	By	Appr.

HNTB
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 777 108th Avenue NE
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 EVERETT, WA 98201
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LYNNWOOD
 WASHINGTON

Drawn By ADH	Date 4/3/23	SCALE
Designed By EBB	4/3/23	Horiz N/A
Checked By DP	4/3/23	Vert N/A
Approved By		Project Number 20100156

CITY OF LYNNWOOD
 POPLAR WAY EXTENSION BRIDGE
 BARLIST 1 OF 6

Drawing No.
BR56
 Sheet No.

C:\S\3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE

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MARK NO.	LOCATION	SIZE	NO REQ'D	BEND TYPE	TIE OR STIR.	LUMP SUM	SUBSTR.	EPOXY COAT	VARIES	NO. EACH	DIMENSIONS (OUT TO OUT)										LENGTH		WEIGHT														
											U		W		X		Y		Z		Ø1	Ø2		Ft.	In.	Lbs.											
											Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Deg.	Deg.															
WING WALL 1																																					
W101	VERTICAL BAR	5	32	50			S	V	2	17	1										17	1	396														
										6	8										6	8															
W102	VERTICAL BAR	5	62	50			S	V	2	27	7										27	7	988														
										20	1										20	1															
W103	TOP& BOT. BAR	4	63	74			S			1	1.5	1	0	1	0						2	11.75	125														
W104	HORIZONTAL BAR	7	6	50			S	V	2	15	0										15	0	184														
W105	HORIZONTAL BAR	7	6	50			S	V	2	16	3										16	3	286														
										26	5										26	5															
W106	HORIZONTAL BAR	7	16	50			S			30	4										30	4	992														
W107	HORIZONTAL BAR	7	20	50			S	>	2	28	8										28	8	847														
										10	6										10	6															
W108	HORIZONTAL BAR	7	6	80			S	>	2	9	6	1	6	2	0						137	133	12	9	144.613												
										7	7	1	6	2	0						137	133	10	10													
W109	DIAGONAL BAR	7	8	80			S			8	0	1	6	2	0						137	133	11	3	184												
W110	DIAGONAL BAR	7	2	50			S			8	0										8	0	33														
W111	EDGE BAR	7	2	50			S			33	1										33	1	135														
W112	DOWEL BAR	7	48	80			S			3	9	2	9								137		6	3	613												
W113	END BAR	7	8	74			S			1	2.5	1	0	1	0						2	11.5	48														
WING WALL 2																																					
W201	DOWEL BAR	6	20	50			S			6	0										6	0	180														
W202	DOWEL BAR	7	39	50			S			7	6										7	6	598														
W203	DOWEL BAR	7	11	80			S			4	9	1	9								52.4		6	3	141												
W204	HORIZONTAL BAR	6	26	50			S			10	4										10	4	404														
W205	HORIZONTAL BAR	7	50	50			S			9	2										9	2	937														
W206	END BAR	4	26	74			S			1	8.5	1	0	4	0						3	6.75	62														
W207	VERTICAL BAR	6	22	50			S			24	1										24	1	796														
W208	TOP/BOTTOM BAR	4	22	74			S			1	1	1	0	1	0						2	11.25	43														
W209	DOWEL BAR	6	6	80			S			4	0	1	6	0	0						52.4		5	3.375	48												
W210	TIE BAR	4	9	58	T		S			1	1										1		9.375	11													
ABUTMENT 5																																					
F501	FOOTING TOP BAR	7	222	50			S			16	8										16	8	7563														
F502	FOOTING BOT. BAR	8	222	50			S			16	8										16	8	9879														
F503	FOOTING TOP BAR	5	36	50			S			40	0										40	0	1502														
F504	FOOTING TOP BAR	5	18	50			S			35	4										35	4	663														
F505	FOOTING BOT. BAR	6	18	50			S			60	0										60	0	1622														
F506	FOOTING BOT. BAR	6	18	50			S			52	8										52	8	1424														

MARK NO.	LOCATION	SIZE	NO REQ'D	BEND TYPE	TIE OR STIR.	LUMP SUM	SUBSTR.	EPOXY COAT	VARIES	NO. EACH	DIMENSIONS (OUT TO OUT)										LENGTH		WEIGHT														
											U		W		X		Y		Z		Ø1	Ø2		Ft.	In.	Lbs.											
											Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Deg.	Deg.															
ABUTMENT 5																																					
F507	FOOTING DOWEL	7	112	54			S			5	0										6	0.5	1383														
F508	FOOTING DOWEL	9	223	54			S			6	6										7	10.5	5971														
A501	WALL VERT. BAR	7	112	50			S	V	1	22	1										22	1	4521														
										17	5										17	5															
A502	WALL VERT. BAR	9	223	50			S	V	1	22	2										22	2	15038														
										17	6										17	6															
A503	WALL HORIZ. BAR	6	48	50			S			60	0										60	0	4326														
A504	WALL HORIZ. BAR	6	36	50			S			53	6										53	6.0	2893														
A505	WALL HORIZ. BAR	6	12	50			S			54	0										54	0.0	973														
A506	WALL HORIZ. BAR	4	28	50			S			40	0										40	0	748														
A507	WALL HORIZ. BAR	4	10	50			S			35	3										35	3	235														
A508	WALL HORIZ. BAR	4	14	50			S			37	0										37	0	346														
A509	WALL HORIZ. BAR	4	4	50			S			37	9										37	9	101														
A510	WALL TOP BAR	5	114	74			S			0	7	3	1	7	3						10	8.875	1277														
A511	WALL STEP BAR	5	112	74			S			3	10	2	6	0	0						6	1.875	719														
A512	WALL STEP BAR	5	112	74			S			1	4	6	6	0	0						7	7.9	894														
A513	WALL END BAR	5	21	74			S			3	12	1	0	1	0						5	9.4	127														
A514	WALL CORNER BAR	4	17	80			S			1	0	1	0	0	0						115	1	10.25	21													
A515	WALL CORNER BAR	4	17	80			S			1	0	1	3	0	0						155	2	1.25	24													
A516	WALL CORNER BAR	4	16	80			S			1	0	1	0	0	0						112	1	10.25	20													
A517	WALL CORNER BAR	4	16	80			S			1	0	1	0	0	0						158	1	10.25	20													
A518	TIE BARS	4	672	58	T		S			4	0.5										4	8.875	2128														
A518	GIRDER STOP BAR	4	108	74			S			1	8	2	9	2	9						7	0.25	507														
A519	GIRDER STOP BAR	4	54	61			S	V	5	2	11	1	4	1	4	0	8	0	8			6	7.5	246													
										2	8	2	4	2	4						7	2.25															
A520	GIRDER STOP BAR	4	4	74			S	V	1	3	6	2	4	0	0						5	8.3	23														
										9	1.5	2	4	0	0						11	3.8															
A521	GIRDER STOP BAR	4	4	74			S			2	11	2	4	2	4						7	5.3	20														
A522	GIRDER STOP BAR	4	4	74			S			1	7	2	4	0	0						3	9.3	10														
A523	GIRDER STOP BAR	4	1	74			S			2	8	2	4	0	0						4	10.3	3														
A524	SIDEWALL BAR	4	5	80			S			3	11	0	9	0	0						65.0	4	6.3	15													
A525	SIDEWALL BAR	4	4	80			S			0	8	5	1	4	10						69.5	111	10	5.2	28												
A526	SIDEWALL BAR	4	5	80			S			3	11	0	10	0	0						63.5	4	7.3	15													
A527	SIDEWALL BAR	4	4	80			S			0	9	5	1	4	10						71.5	109	10	6.2	28												
A528	SIDEWALL BAR	4	2	50			S			3	11										3	11.0	5														

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MARK NO.	LOCATION	SIZE	NO REQ'D	BEND TYPE	TIE OR STIR.	LUMP SUM	SUBSTR.	EPOXY COAT	VARIES	NO. EACH	DIMENSIONS (OUT TO OUT)								LENGTH		WEIGHT					
											U		W		X		Y		Z			θ1	θ2	Ft.	In.	Lbs.
											Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.		Deg.	Deg.			
WING WALL 3																										
W301	DOWEL BAR	6	16	50				S			6	11						6	11	166						
W302	DOWEL BAR	6	24	50				S			6	0						6	0	216						
W303	DOWEL BAR	6	8	80				S			4	6	1	6	0	0			115	6	0	72				
W304	HORIZONTAL BAR	6	16	50				S			9	7								9	7	230				
W305	HORIZONTAL BAR	6	32	50				S			9	10								9	10	473				
W306	END BAR	4	16	74				S			1	2.5	1	0	1	0				3	0.75	33				
W307	VERTICAL BAR	5	22	50				S			15	0								15	0	344				
W308	TOP/BOTTOM BAR	4	22	74				S			1	1	1	0	1	0				2	11.25	43				
WING WALL 4																										
W401	DOWEL BAR	6	15	50				S			6	11								6	11	156				
W402	DOWEL BAR	6	21	50				S			6	0								6	0	189				
W403	DOWEL BAR	6	8	80				S			4	5	1	6	0	0			112	5	11	71				
W404	HORIZONTAL BAR	6	15	50				S			9	3								9	3	208				
W405	HORIZONTAL BAR	6	29	50				S			9	4								9	4	407				
W406	END BAR	4	15	74				S			1	2.5	1	0	1	0				3	0.75	31				
W407	VERTICAL BAR	5	22	50				S			13	7								13	7	312				
W408	TOP/BOTTOM BAR	4	22	74				S			1	1	1	0	1	0				2	11.25	43				
PIER 2 CAP																										
P201	PIER CAP HORIZ. BAR	8	24	50				S			37	3								37	3	2387				
P202	PIER CAP HORIZ. BAR	9	12	80				S			9	3	31	0	19	0			95	85	58	10	2400			
P203	PIER CAP HORIZ. BAR	9	24	50				S			60	0								60	0	4896				
P204	PIER CAP HORIZ. BAR	9	12	50				S			17	9								17	9	724				
P205	PIER CAP HORIZ. BAR	5	36	50				S			40	0								40	0	1502				
P206	PIER CAP HORIZ. BAR	5	12	50				S			13	4								13	4	167				
P207	PIER CAP END BAR	4	18	80				S			7	7.5	2	0	2	0			133.3	46.7	11	6	138			
P208	PIER CAP STIRRUP	5	126	70	S	S					7	9.5	3	8	3	8				16	1	2118				
P209	PIER CAP TIE BAR	5	252	57	T	S					5	6								6	0	1566				
P210	PIER CAP TIE BAR	5	252	58	T	S					3	9.5								4	8	1222				
P211	STEP STIRRUP	5	126	74	S	S					1	0	2	9	2	9				6	4	831				
P212	STEP HORIZ. BAR	4	378	54		S					2	7								3	2	802				
P213	VERT. TIE BAR	9	392	56				V	56		9	5								12	2	16438				
											9	9								12	6					
P214	VERT. TIE BAR	5	108	57							7	2								7	8	859				
P215	VERT. END BAR	9	12	80							9	3	21	3	19	0			95	85	49	1	2003			
P220	DIAPH. HORIZ. BAR	5	104	50							8	2								8	2	886				
P221	DIAPH. HORIZ. BAR	5	26	50							4	6								4	6	122				

MARK NO.	LOCATION	SIZE	NO REQ'D	BEND TYPE	TIE OR STIR.	LUMP SUM	SUBSTR.	EPOXY COAT	VARIES	NO. EACH	DIMENSIONS (OUT TO OUT)								LENGTH		WEIGHT					
											U		W		X		Y		Z			θ1	θ2	Ft.	In.	Lbs.
											Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.		Deg.	Deg.			
PIER 2 CAP																										
P222	DIAPH. HORIZ. BAR	5	50	50							3	3								3	3	169				
P223	DIAPH. TIE BAR	5	324	57	T						5	6								6	0	2014				
P224	VERT. TIE BAR	5	112	50					V	56	4	7								4	7	518				
											4	3.5								4	4					
P225	VERT. TIE BAR	5	112	50					V	56	2	7								2	7	285				
											2	3.5								2	4					
P226	CAGE STIR. BAR	6	70	83							4	10	4	4						19	4	2033				
P227	CAGE TIE BAR	5	140	58							4	12								5	10	850				
P228	DIAPH. HORIZ. BAR	4	42	50							40	0								40	0	1122				
P229	DIAPH. HORIZ. BAR	4	14	50							13	4								13	4	125				
P230	DIAPH. HORIZ. BAR	8	16	50							60	0								60	0	2563				
P231	DIAPH. HORIZ. BAR	8	8	50							16	6								16	6	352				
P232	DIAPH. J BAR - 24	5	224	57							2	0								2	6	574				
P233	DIAPH. J BAR - 30	5	168	57							2	6								3	0	518				
PIER 3 CAP																										
P301	PIER CAP HORIZ. BAR	8	24	50				S			37	3								37	3	2387				
P302	PIER CAP HORIZ. BAR	9	12	80				S			9	7	31	0	19	0			95	85	59	2	2414			
P303	PIER CAP HORIZ. BAR	9	24	50				S			60	0								60	0	4896				
P304	PIER CAP HORIZ. BAR	9	12	50				S			17	9								17	9	724				
P305	PIER CAP HORIZ. BAR	5	36	50				S			40	0								40	0	1502				
P306	PIER CAP HORIZ. BAR	5	12	50				S			13	4								13	4	167				
P307	PIER CAP END BAR	4	18	80				S			7	7.5	2	0	2	0				133.3	46.7	11	6	138		
P308	PIER CAP STIRRUP	5	126	70	S	S					7	9.5	3	8	3	8				16	1	2118				
P309	PIER CAP TIE BAR	5	252	57	T	S					5	6								6	0	1566				
P312	VERT. END BAR	9	12	80							9	7	21	3	19	0			95	85	49	5	2016			
P313	VERT. TIE BAR	9	392	56					V	56	9	9								12	6	16882				
											10	1								12	10					
P314	VERT. TIE BAR	5	108	57							7	2								7	8	859				
P320	DIAPH. HORIZ. BAR	5	130	50							8	2								8	2	1107				
P321	DIAPH. HORIZ. BAR	5	26	50							4	6								4	6	122				
P322	DIAPH. HORIZ. BAR	5	50	50							3	3								3	3	169				
P323	DIAPH. TIE BAR	5	432	57	T						5	6								6	0	2685				
P324	VERT. TIE BAR	5	112	50					V	56	4	7								4	7	518				
											4	3.5								4	4					
P328	DIAPH. HORIZ. BAR	4	42	50							40	0								40	0	1122				
P329	DIAPH. HORIZ. BAR	4	14	50							13	4								13	4	125				
P330	DIAPH. HORIZ. BAR	8	16	50							60	0								60	0	2563				
P331	DIAPH. HORIZ. BAR	8	8	50							16	6								16	6	352				
P332	DIAPH. J BAR - 24	5	224																							

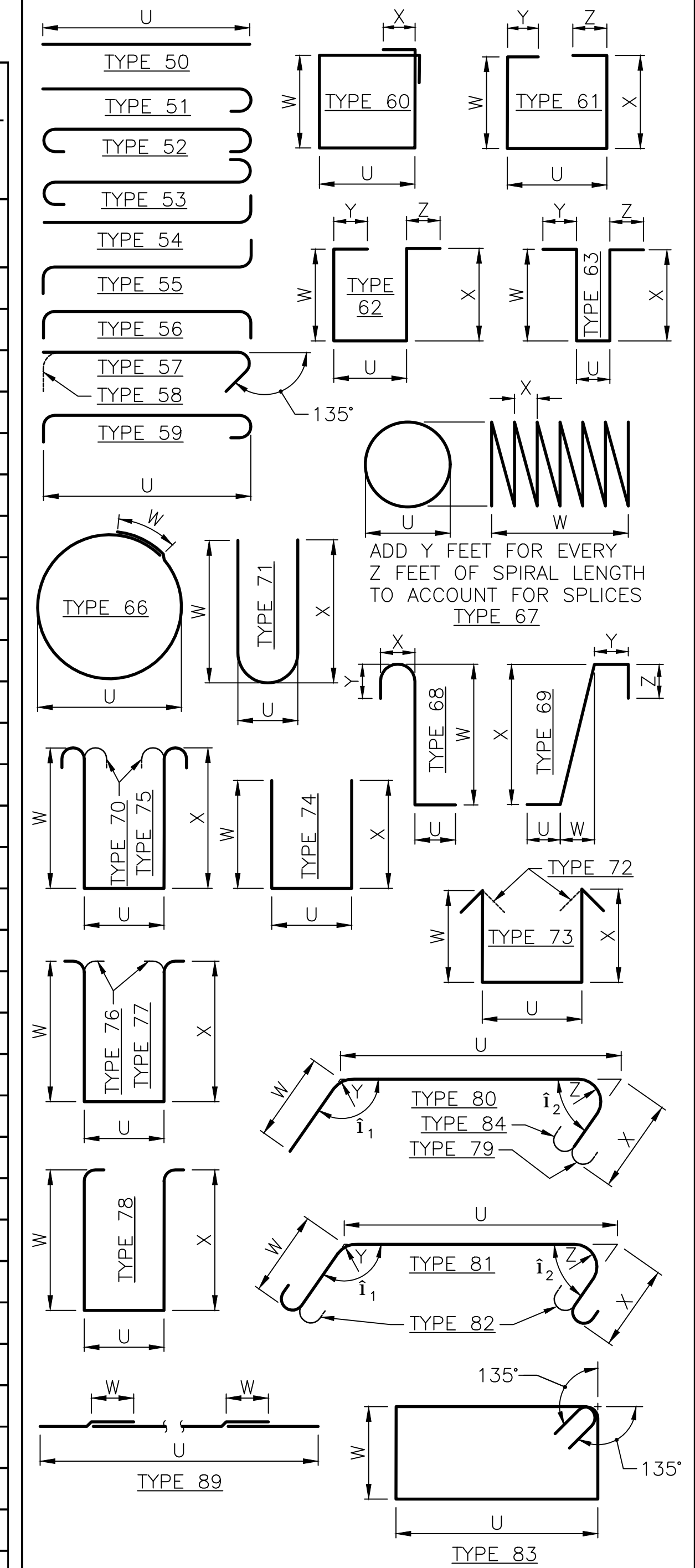
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MARK NO.	LOCATION	SIZE	NO REQ'D	BEND TYPE	TIE OR STIR.	LUMP SUM	SUBSTR.	EPOXY COAT	VARIES	NO. EACH	DIMENSIONS (OUT TO OUT)								LENGTH		WEIGHT					
											U		W		X		Y		Z			Ø1	Ø2	Ft.	In.	Lbs.
											Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.		Deg.	Deg.			
PIER 4 CAP																										
P401	PIER CAP HORIZ. BAR	8	24	50				S			36	10								36	10	2360				
P402	PIER CAP HORIZ. BAR	9	12	80				S			9	7	31	0	19	0				95	85	59	2	2414		
P403	PIER CAP HORIZ. BAR	9	24	50				S			60	0										60	0	4896		
P404	PIER CAP HORIZ. BAR	9	12	50				S			17	9										17	9	724		
P405	PIER CAP HORIZ. BAR	5	36	50				S			40	0										40	0	1502		
P406	PIER CAP HORIZ. BAR	5	12	50				S			13	4										13	4	167		
P407	PIER CAP END BAR	4	18	80				S			7	7.5	2	0	2	0				133.3	46.7	11	6	138		
P408	PIER CAP STIRRUP	5	126	70	S	S					7	9.5	3	8	3	8						16	1	2118		
P409	PIER CAP TIE BAR	5	252	58	T	S					5	6										6	0	1566		
P410	PIER CAP TIE BAR	5	252	58	T	S					3	9.5										4	8	1222		
P411	STEP STIRRUP	5	126	74	S	S					1	0	2	9	2	9						6	4	831		
P412	STEP HORIZ. BAR	4	378	54		S					2	7										3	2	802		
P413	VERT. TIE BAR	9	392	56				V	56		9	7										12	4	16577		
											9	9.5										12	6			
P414	VERT. TIE BAR	5	108	57							7	2										7	8	859		
P415	VERT. END BAR	9	12	80							9	4	21	3	19	0				95	85	49	2	2006		
P420	DIAPH. HORIZ. BAR	5	104	50							8	2										8	2	886		
P421	DIAPH. HORIZ. BAR	5	26	50							4	6										4	6	122		
P422	DIAPH. HORIZ. BAR	5	50	50							3	3										3	3	169		
P423	DIAPH. TIE BAR	5	324	57	T						5	6										6	0	2014		
P424	VERT. TIE BAR	5	112	50				V	56		4	7										4	7	518		
											4	3.5										4	4			
P425	VERT. TIE BAR	5	112	50				V	56		2	7										2	7	285		
											2	3.5										2	4			
P426	CAGE STIR. BAR	6	70	83							4	10	4	4								19	4	2033		
P427	CAGE TIE BAR	5	140	58							4	12										5	10	850		
P428	DIAPH. HORIZ. BAR	4	42	50							40	0										40	0	1122		
P429	DIAPH. HORIZ. BAR	4	14	50							13	4										13	4	125		
P430	DIAPH. HORIZ. BAR	8	16	50							60	0										60	0	2563		
P431	DIAPH. HORIZ. BAR	8	8	50							16	6										16	6	352		
P432	DIAPH. J BAR - 24	5	224	57							2	0										2	6	574		
P433	DIAPH. J BAR - 30	5	168	57							2	6										3	0	518		

MARK NO.	LOCATION	SIZE	NO REQ'D	BEND TYPE	TIE OR STIR.	LUMP SUM	SUBSTR.	EPOXY COAT	VARIES	NO. EACH	DIMENSIONS (OUT TO OUT)								LENGTH		WEIGHT					
											U		W		X		Y		Z			Ø1	Ø2	Ft.	In.	Lbs.
											Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.		Deg.	Deg.			
END DIAPH. 1																										
D101	TOP BAR	6	6	51				E			39	8										40	4	363		
D102	TOP BAR	6	3	50				E			48	10										48	10	220		
D103	SIDE BAR	4	52	50							8	3										8	3	287		
D104	SPAN BAR	7	5	50							48	5										48	5	297		
D105	SPAN BAR	7	2	50							26	7										26	7	54		
D106	SPAN BAR	7	2	50							38	6										38	6	157		
D110	STIRRUPS	4	104	74	S						1	0	3	9	3	9						8	4.25	580		
D111	STIRRUPS	4	52	74	S						1	0	1	9	1	9						4	4.25	151		
END DIAPH. 5																										
D601	TOP BAR	6	6	51				E			32	6										33	2	299		
D502	TOP BAR	6	3	50				E			48	9										48	9	220		
D503	SIDE BAR	4	52	50							6	9										6	9	234		
D504	SPAN BAR	7	5	50							48	4										48	7.96	298		
D505	SPAN BAR	7	2	50							14	2										14	2	29		
D506	SPAN BAR	7	2	50							32	3										32	3	132		
D507	SIDE BAR	4	4	50							6	6										6	6	17		
D510	STIRRUPS	4	99	74	S						0	11	3	6	3	6						7	8.75	511		
D511	STIRRUPS	4	54	74	S						0	11	1	9	1	9						4	2.75	153		
WF42G INT. DIAPH.																										
SPAN 1																										
D201	TOP BAR	6	8	51				E			39	8										40	4	485		
D202	TOP BAR	6	4	50				E			48	10										48	10	293		
D203	SIDE BAR	4	104	50							8	3										8	3	573		
D204	SPAN BAR	7	10	50							48	5										48	5	594		
D205	SPAN BAR	7	4	50							26	7										26	7	109		
D206	SPAN BAR	7	4	50							38	6										38	6	315		
D210	STIRRUPS	4	208	74	S						0	6.5	4	1	4	1						8	6.75	1190		
D211	STIRRUPS	4	104	74	S						0	6.5	1	9	1	9						3	10.75	271		

BENDING DIAGRAMS



NOTES:

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- NUMBER AND LENGTH OF BARS TO BE DETERMINED BY THE CONTRACTOR FROM PLANS.

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May 04, 2023 - 12:27pm adharper \\seawo\jbas\024\CADD\DS01\Drawings\STRUCTURE\0100156_BR59.dwg Layout Name: Barlist 4

No.	Date	Revision	By	Appr.



Drawn By ADH	Date 4/3/23	SCALE
Designed By EBB	Checked By 4/3/23	Horiz
Approved By DP	Project Number 20100156	Vert

CITY OF LYNNWOOD
 POPLAR WAY EXTENSION BRIDGE
 BARLIST 4 OF 6

Drawing No. **BR59**
 Sheet No. _____
 of Total _____

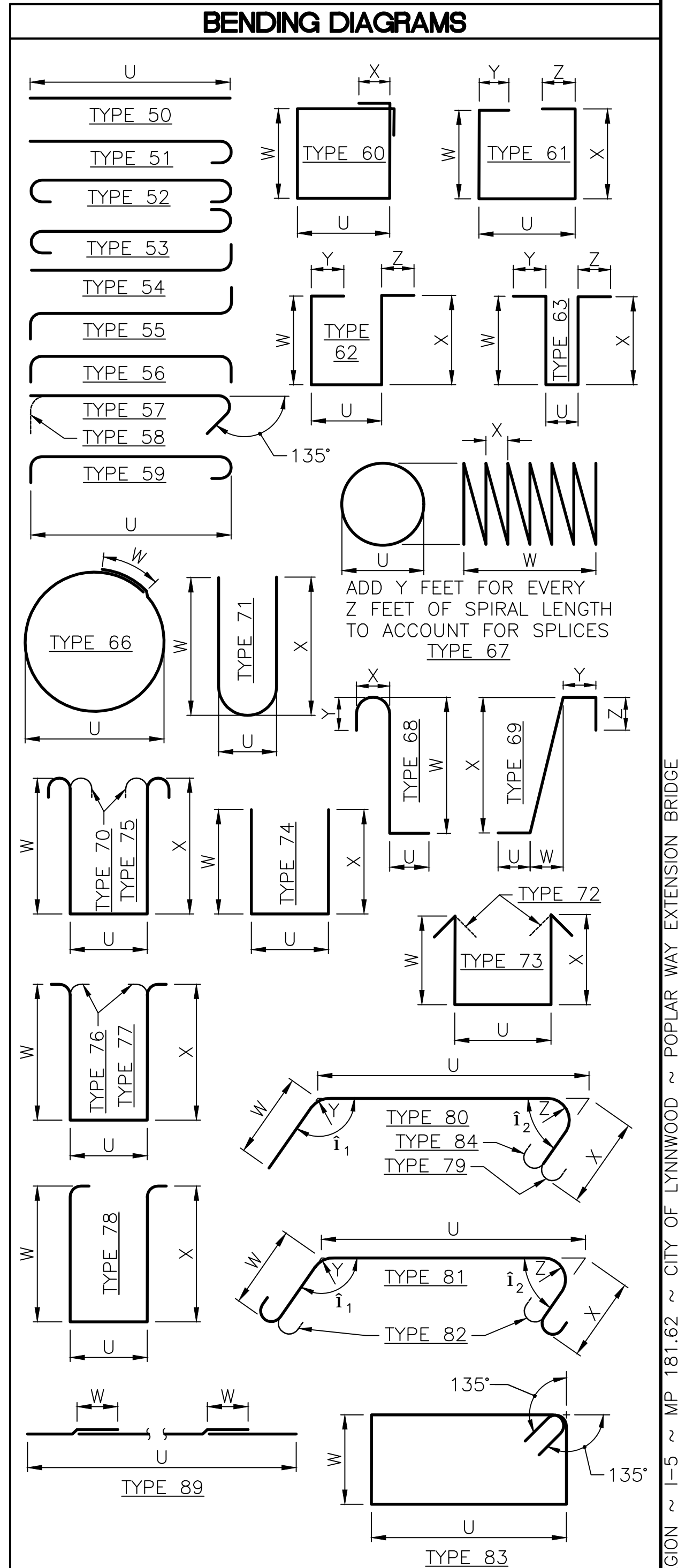
C:\3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE

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MARK NO.	LOCATION	SIZE	NO REQ'D	BEND TYPE	TIE OR STIR.	LUMP SUM	SUBSTR.	EPOXY COAT	VARIES	NO. EACH	DIMENSIONS (OUT TO OUT)										LENGTH		WEIGHT			
											U		W		X		Y		Z		Ø1	Ø2		Ft.	In.	Lbs.
											Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Deg.	Deg.				
WF42G INT. DIAPH.																										
SPAN 4																										
D401	TOP BAR	6	8	51				E	V	4	38	3						38	11	448						
											34	11						35	7							
D402	TOP BAR	6	4	50				E			45	0						45	0	270						
D403	SIDE BAR	4	104	50				V	52	6	9							6	9	452						
											6	3						6	3							
D404	SPAN BAR	7	10	50							45	10						45	10	562						
D405	SPAN BAR	7	4	50				V	1	25	1							25	1	89						
											18	5						18	5							
D406	SPAN BAR	7	4	50				V	2	36	6							36	6	285						
											33	2						33	2							
D410	STIRRUPS	4	208	74	S						0	6.5	4	4	4	4		9	0.75	1259						
D411	STIRRUPS	4	104	74	S						0	6.5	1	9	1	9		3	10.75	271						
SPAN 4B																										
D421	SPAN BAR	6	2	51				E			15	7						16	3	49						
D422	SPAN BAR	6	2	50				E			43	7						43	7	131						
D423	SPAN BAR	6	2	50				E			35	6						35	6	107						
D424	SPAN BAR	6	2	51				E			23	6						24	2	73						
D425	TOP BAR	7	2	50							29	9						29	9	122						
D426	TOP BAR	7	1	50							52	4						52	4	107						
D427	BOTT. BAR	7	2	50							45	5						45	5	186						
D428	BOTT. BAR	7	2	50							43	3						43	3	177						
D429	BOTT. BAR	7	2	50							21	2						21	2	87						
D430	BETWEEN BAR	4	78	50							7	2						7	2	373						
D431	STIRRUPS	4	104	74	S						0	6.9	3	6	3	6		7	5.125	516						
D432	STIRRUPS	4	52	74	S						1	0.4	1	9	1	9		4	4.625	152						
WF66G INT. DIAPH.																										
SPANS 2 & 3																										
D301	TOP BAR	6	24	51				E			39	8						40	4	1454						
D302	TOP BAR	6	12	50				E			48	10						48	10	880						
D303	SIDE BAR	4	624	50							8	3						8	3	3439						
D304	SPAN BAR	7	30	50							48	5						48	5	1781						
D305	SPAN BAR	7	12	50							26	7						26	7	326						
D306	SPAN BAR	7	12	50							38	6						38	6	944						
D310	STIRRUPS	4	624	74	S			V	208	0	6.5	5	11	5	11			12	2.75	5236						
											0	6.5	6	3	6	3		12	10.75							
D311	STIRRUPS	4	312	74	S						0	6.5	3	9	3	9		7	10.75	1646						

MARK NO.	LOCATION	SIZE	NO REQ'D	BEND TYPE	TIE OR STIR.	LUMP SUM	SUBSTR.	EPOXY COAT	VARIES	NO. EACH	DIMENSIONS (OUT TO OUT)										LENGTH		WEIGHT			
											U		W		X		Y		Z		Ø1	Ø2		Ft.	In.	Lbs.
											Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Deg.	Deg.				
DECK - GENERAL																										
S100	LONGIT BOT	5	1127	50				E			40	0						40	0	47018						
S101	LONGIT BOT	5	56	50				E			30	0						30	0	1752						
S102	LONGIT BOT	5	41	50				E			20	0						20	0	855						
S103	LONGIT TOP	4	495	50				E			40	0						40	0	13226						
S104	LONGIT TOP	4	198	50				E			34	0						34	0	4497						
S105	LONGIT TOP	4	198	50				E			30	0						30	0	3968						
S106	LONGIT TOP	4	99	50				E	V	7	39	0						39	0	1951						
											20	0						20	0							
S109	TRANS TOP	6	1066	51				E			8	4						9	0	14410						
S110	TRANS TOP	5	496	51				E			34	0						34	7	17891						
S111	TRANS BOT	5	540	50				E			37	6						37	6	21121						
S112	TRANS TOP	5	88	51				E	V	2	5	0						5	7	2088						
											39	4						39	11							
S113	TRANS BOT	5	88	50				E	V	2	5	0						5	0	2035						
											39	4						39	4							
S114	TRANS TOP	5	44	50				E			37	6						37	6	1721						
S115	TRANS TOP & BOT	5	1016	50				E			36	0						36	0	38149						
S116	TRANS TOP	5	20	50				E	V	1	10	3						10	3	373						
											25	6						25	6							
S117	TRANS BOT	5	20	50				E	V	1	6	9						6	9	300						
											22	0						22	0							
S118	TRANS TOP	5	390	51				E			27	6						28	1	11423						
S119	TRANS BOT	5	390	50				E			24	0						24	0	9762						
DECK OVER PIERS																										
S120	LONGIT TOP	8	147	50				E			40	0						40	0	15700						
S121	LONGIT TOP	9	265	50				E			46	6						46	6	41897						
S122	LONGIT TOP	9	109	80				E	V	7	27	0	19	6				27	0	17233						
											27	0	19	6				166								
S123	LONGIT TOP	9	107	80				E	V	7	21	6	25	0				21	6	16917						
											21	6	25	0				166								



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90% REVIEW
 NOT FOR CONSTRUCTION

May 04, 2023 - 12:28pm adharper \\seaw00\jase6024\CADD\Drawings\STRUC\20100156_BR60.dwg Layout Name: Barlist 5

No.	Date	Revision	By	Appr.

HNTB
 HNTB Corporation
 777 108th Avenue NE
 Suite 1000
 Bellevue, WA 98004
 (425) 455-3555

PERTEET
 2707 COLBY AVENUE, SUITE 900
 EVERETT, WA 98201
 425.252.7700 | 800.615.9900

LYNNWOOD
 WASHINGTON

Drawn By ADH	Date 4/3/23	SCALE
Designed By SM	4/3/23	Horiz
Checked By DP	4/3/23	Vert
Approved By		Project Number 20100156

CITY OF LYNNWOOD
 POPLAR WAY EXTENSION BRIDGE
 BARLIST 5 OF 6
 Drawing No. **BR60**
 Sheet No. _____
 of Total _____

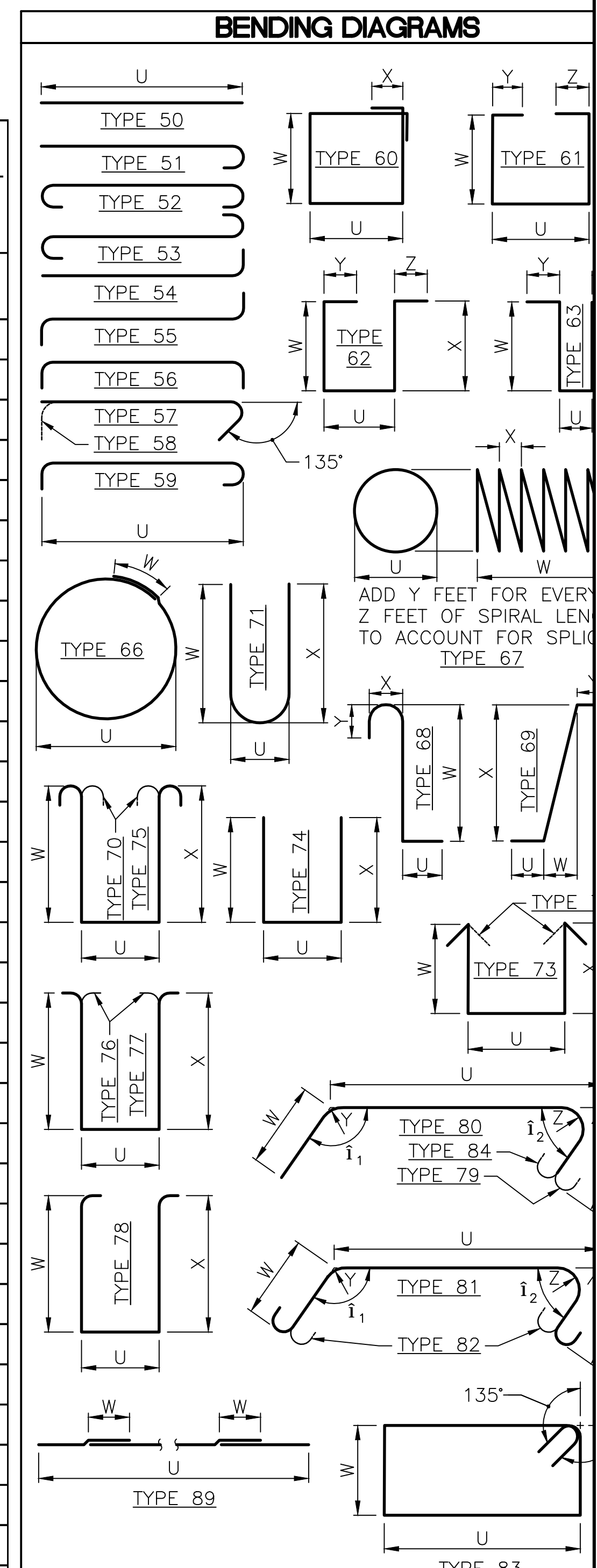
C:\3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE

S = Bar is included in substructure quantities.
 L = Lump sum quantity
 T = Transverse or S = Seismic
 E = Bar is to be epoxy coated.
 V = Bar dimensions vary between dimension shown on this line and the following line.

S = Bar is included in substructure quantities.
 L = Lump sum quantity
 T = Transverse or S = Seismic
 E = Bar is to be epoxy coated.
 V = Bar dimensions vary between dimension shown on this line and the following line.

MARK NO.	LOCATION	SIZE	NO REQ'D	BEND TYPE	TIE OR STIR.	LUMP SUM	SUBSTR.	EPOXY COAT	VARIES	NO. EACH	DIMENSIONS (OUT TO OUT)								LENGTH		WEIGHT									
											U		W		X		Y		Z			θ1	θ2	Ft.	In.	Lbs.				
											Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.		Deg.	Deg.							
DECK SPAN 4																														
S125	LONGIT BOT	5	123	80				E	V	8	19	6	9	6							177		29	0	3720					
											19	6	9	6							166		29	0						
S126	LONGIT BOT	5	17	50				E	V	4	3	3										3	3	93						
											7	3										7	3							
S127	LONGIT BOT	5	45	50				E	V	4	13	3										13	3	716						
											17	3										17	3							
S128	LONGIT TOP	4	6	50				E	V	2	40	0										40	0	136						
											28	0										28	0							
S129	LONGIT BOT	5	8	50				E	V	2	40	0										40	0	271						
											25	0										25	0							
DECK SPAN 4, FAN																														
S130	TRANS TOP	5	94	51				E	V	2	27	6										28	1	2986						
											32	3										32	10							
S131	TRANS BOT	5	94	50				E	V	2	24	0										24	0	2586						
											28	9										28	9							
S132	TRANS TOP	5	23	51				E	V	1	21	4										21	11	558						
											24	0										24	7							
S133	TRANS BOT	5	45	50				E	V	2	18	0										18	0	892						
											20	0										20	0							
S134	TRANS TOP & BOT	5	134	50				E	V	6	30	0										30	0	4426						
											33	4										33	4							
S135	TRANS TOP & BOT	5	158	50				E	V	8	31	6										31	6	892						
											33	4										33	4							
S136	TRANS TOP	5	67	51				E	V	3	25	2										25	9	4426						
											27	6										27	6							
S137	TRANS TOP	5	66	51				E	V	3	32	0										32	7	2352						
											35	2										35	9							
S138	TRANS BOT	5	133	50				E	V	6	28	6										28	6	4162						
											31	6										31	6							
S139	TRANS TOP	6	22	51				E	V	1	14	6										15	2	531						
											16	4										17	0							
S140	TRANS TOP	8	144	50				E			10	5										10	5	4005						
S141	TRANS TOP	5	12	51				E			10	0										10	7	132						
S142	TRANS BOT	5	12	50				E			14	0										14	0	175						
S213	TRANS TOP	5	132	50				E			14	2										14	2	1950						
S214	TRANS BOT	5	132	50				E			14	2										14	2	1950						
S218	TRANS BOT	6	12	50				E			14	9										14	9	266						

MARK NO.	LOCATION	SIZE	NO REQ'D	BEND TYPE	TIE OR STIR.	LUMP SUM	SUBSTR.	EPOXY COAT	VARIES	NO. EACH	DIMENSIONS (OUT TO OUT)								LENGTH		WEIGHT								
											U		W		X		Y		Z			θ1	θ2	Ft.	In.	Lbs.			
											Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.		Deg.	Deg.						
DECK SW CORNER																													
S150	TRANS TOP	6	11	51				E			8	9										9	5	156					
S151	SKEW TOP	6	6	51				E			10	0										10	8	96					
S152	SKEW TOP	6	5	51				E			6	0										6	8	50					
S153	SKEW BOT	6	6	50				E			25	3										25	3	228					
S154	SKEW BOT	5	2	50				E			6	0										6	0	13					
S155	SKEW TOP	5	1	50				E			40	0										40	0	42					
S156	SKEW TOP	5	2	51				E			35	6										36	1	75					
S157	SKEW BOT	5	2	50				E			40	0										40	0	83					
S158	SKEW BOT	5	1	50				E			30	0										30	0	31					
S159	SKEW TOP	6	6	51				E			25	3										25	11	234					
S160	TRANS TOP	7	17	51				E			10	0										10	0	90					
S215	TRANS TOP	7	15	50				E			15	2										15	2	465					
S216	TRANS BOT	6	15	50				E			13	4										13	4	300					
DECK NW CORNER																													
S161	SKEW TOP	4	8	51				E	V	4	10	0										10	6	45					
											4	6	0									6	6						
S162	SKEW BOT	5	8	50				E	V	4	10	0										10	0	67					
											4	6	0									6	0						
S217	TRANS TOP	8	12	50				E			25	2										25	2	806					
SIDEWALK																													
S200	SIDEWALK LONGIT	4	192	50				E			40	0										40	0	5130					
S201	SIDEWALK LONGIT	4	16	50				E			20	0										20	0	214					
S210	SIDEWALK TRANS	4	940	56				E			7	3										8	5.25	5298					
											22	0										22	0						



NOTES:
 1. ALL REINFORCING BARS ON THIS SHEET SHALL BE ASTM A 706 UNLESS SHOWN OTHERWISE.
 2. REINFORCING FOR TRAFFIC BARRIERS NOT SHOWN ON THE BAR LIST, SEE TRAFFIC BARRIER SHEET.
 3. NUMBER AND LENGTH OF BARS TO BE DETERMINED BY THE CONTRACTOR FROM PLANS.

90% REVIEW
 NOT FOR CONSTRUCTION

May 04, 2023 - 12:28pm adharper \\seaw0\jpas6\024\CADD\DS01\Drawings\STRUC\20100156_BR61.dwg Layout Name: Barlist 6

No.	Date	Revision	By	Appr.

HNTB
 HNTB Corporation
 777 108th Avenue NE
 Suite 1000
 Bellevue, WA 98004
 (425) 455-3555

PERTEET
 2707 COLBY AVENUE, SUITE 900
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 425.252.7700 | 800.615.9900

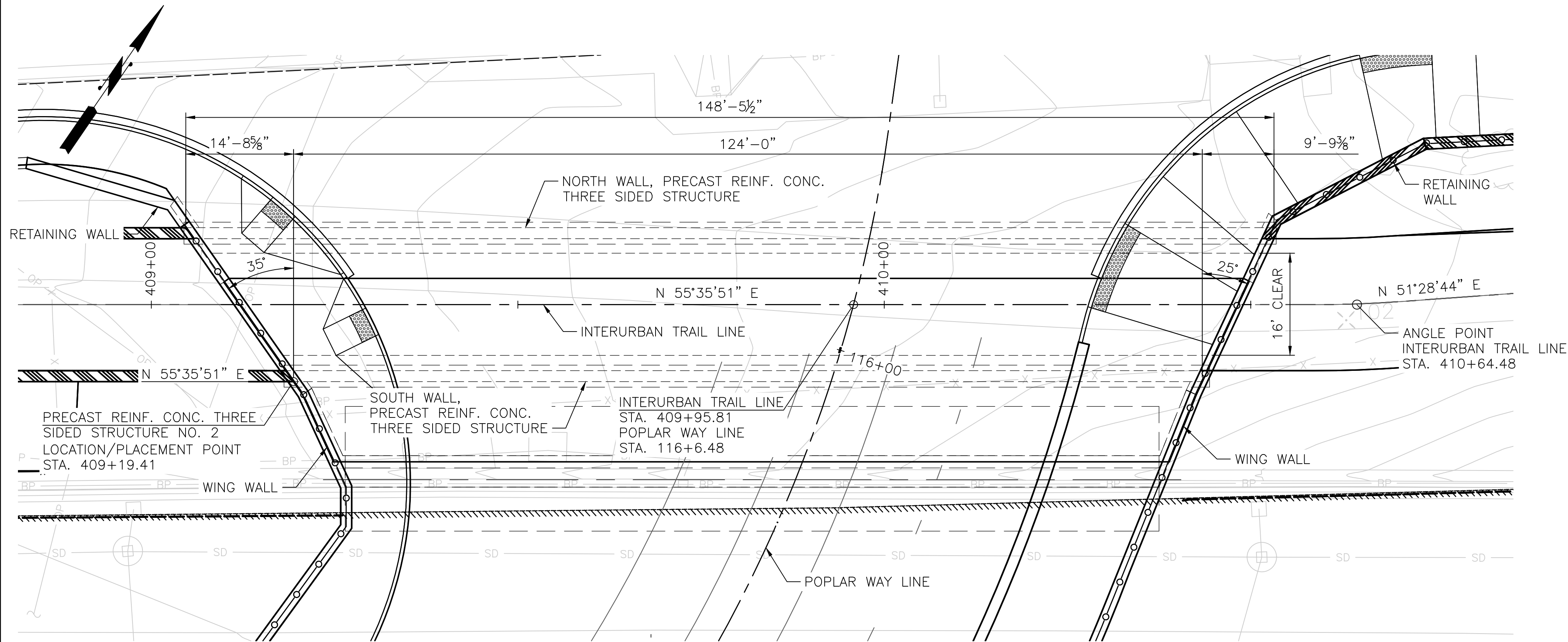
LYNNWOOD WASHINGTON

Drawn By ADH	Date 4/3/23	SCALE
Designed By SM	4/3/23	Horiz
Checked By DP	4/3/23	Vert
Approved By		Project Number 20100156

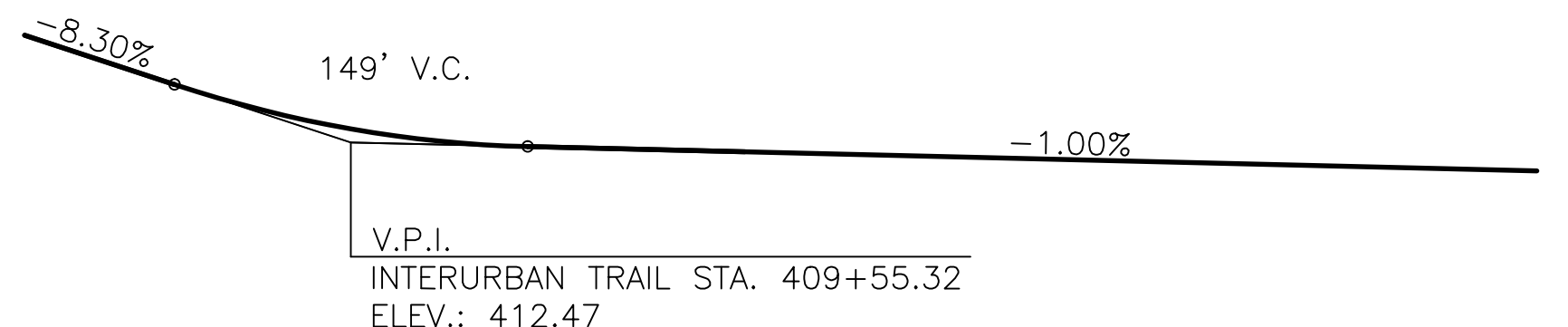
CITY OF LYNNWOOD
 POPLAR WAY EXTENSION BRIDGE
 BARLIST 6 OF 6

Drawing No.
BR61
 Sheet No.

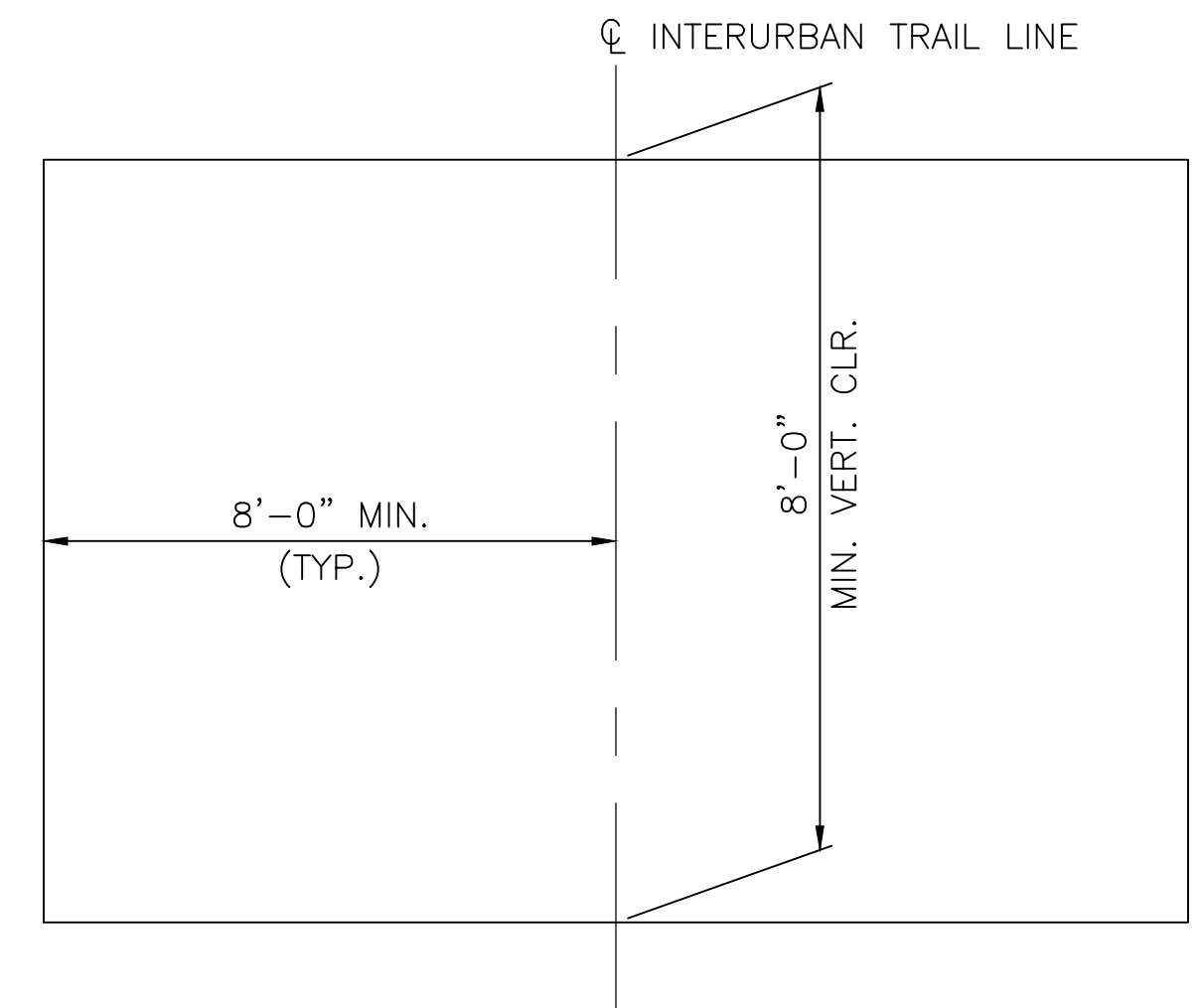
C:\S\3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



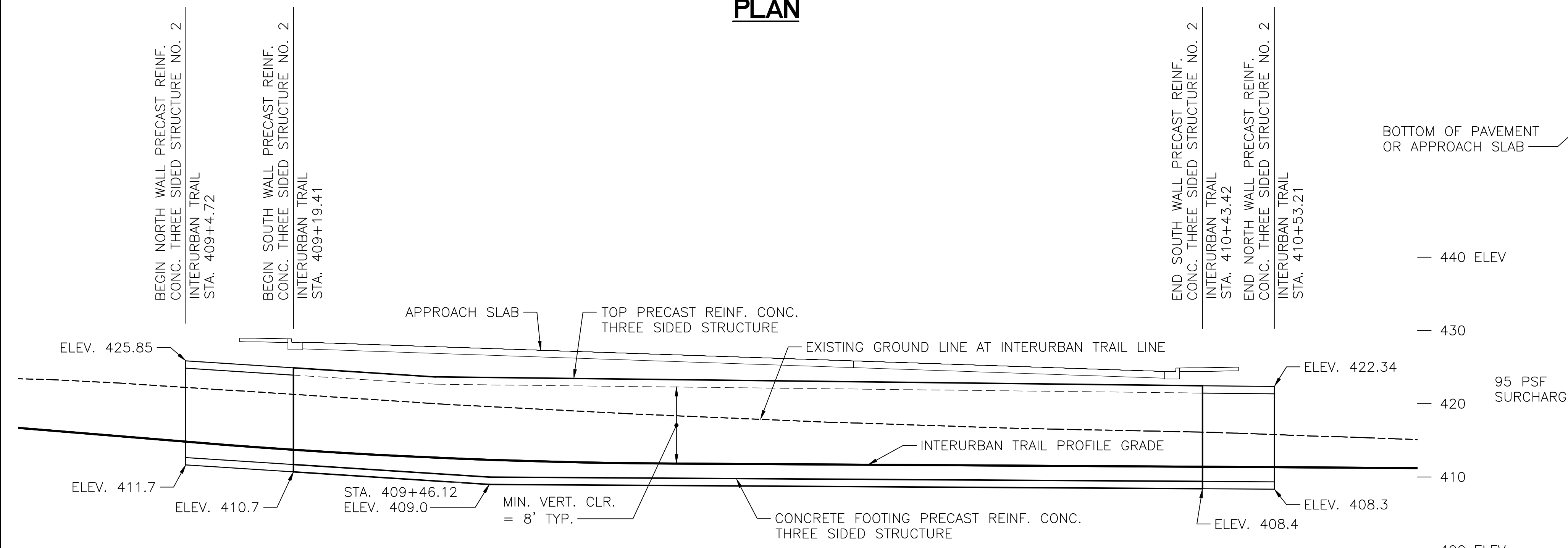
PLAN



INTERURBAN TRAIL PROFILE



INTERURBAN TRAIL CLEARANCE ENVELOPE



ELEVATION

NOTE: RETAINING WALLS NOT SHOWN IN ELEVATION

DATUM
NAVD-88

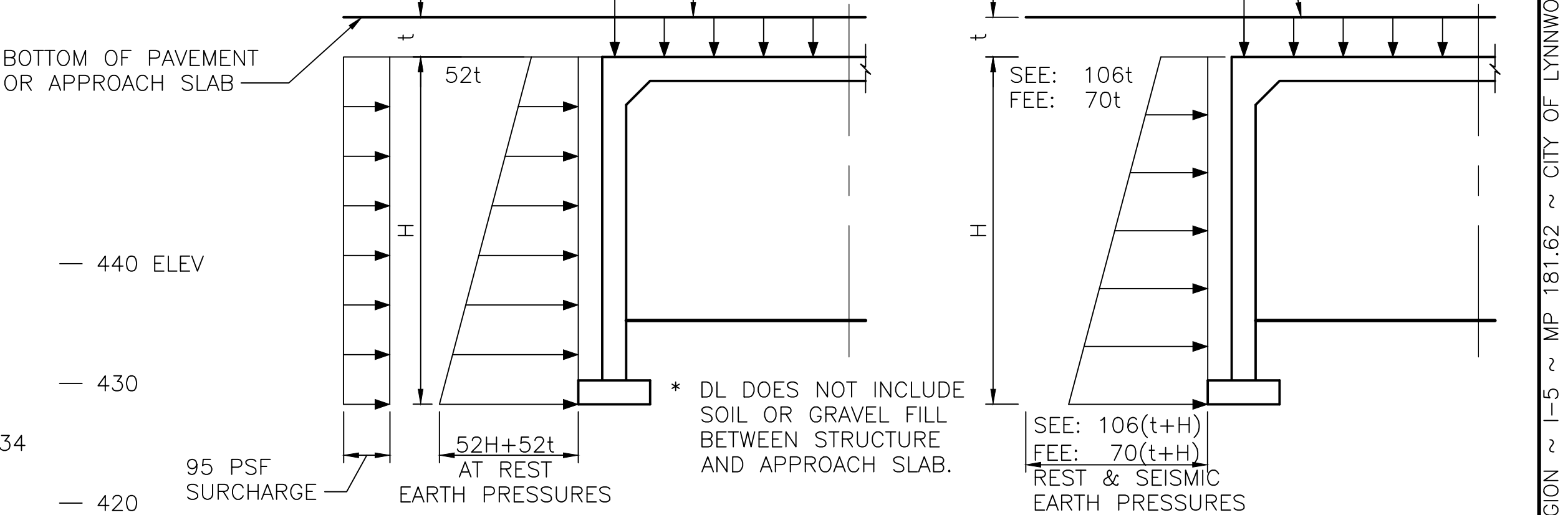
LOADING FROM APPROACH SLAB:

SERVICE LOADING ON WALL:
DL = 1400 lb/ft
LL = 3100 lb/ft

SERVICE LOADING ON SLAB:
DL = 170 PSF*
LL = 520 PSF OR HL-93

LOADING ON WALL:
DL = 1400 lb/ft
LL = 1550 lb/ft

LOADING ON SLAB:
DL = 170 PSF*
LL = 260 PSF OR 1/2 OF HL-93



STRENGTH AND SERVICE LOADS

EXTREME EVENT LOADS

DESIGN LATERAL SOIL PRESSURE AND LOADING FORM APPROACH SLAB

PRECAST REINF. CONC. THREE SIDED STRUCTURE NO. 2
LOADING: HL-93

SEISMIC OPERATION CLASSIFICATION: ORDINARY

90% REVIEW
NOT FOR CONSTRUCTION

May 09, 2023 3:28pm a:\hntb\p\1524001\1524001.dwg Layout Name: Trail Overcrossing Layout Plan

No.	Date	Revision	By	Appr.

HNTB
HNTB Corporation
777 108th Avenue NE
Suite 1000
Bellevue, WA 98004
(425) 455-3555

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD WASHINGTON

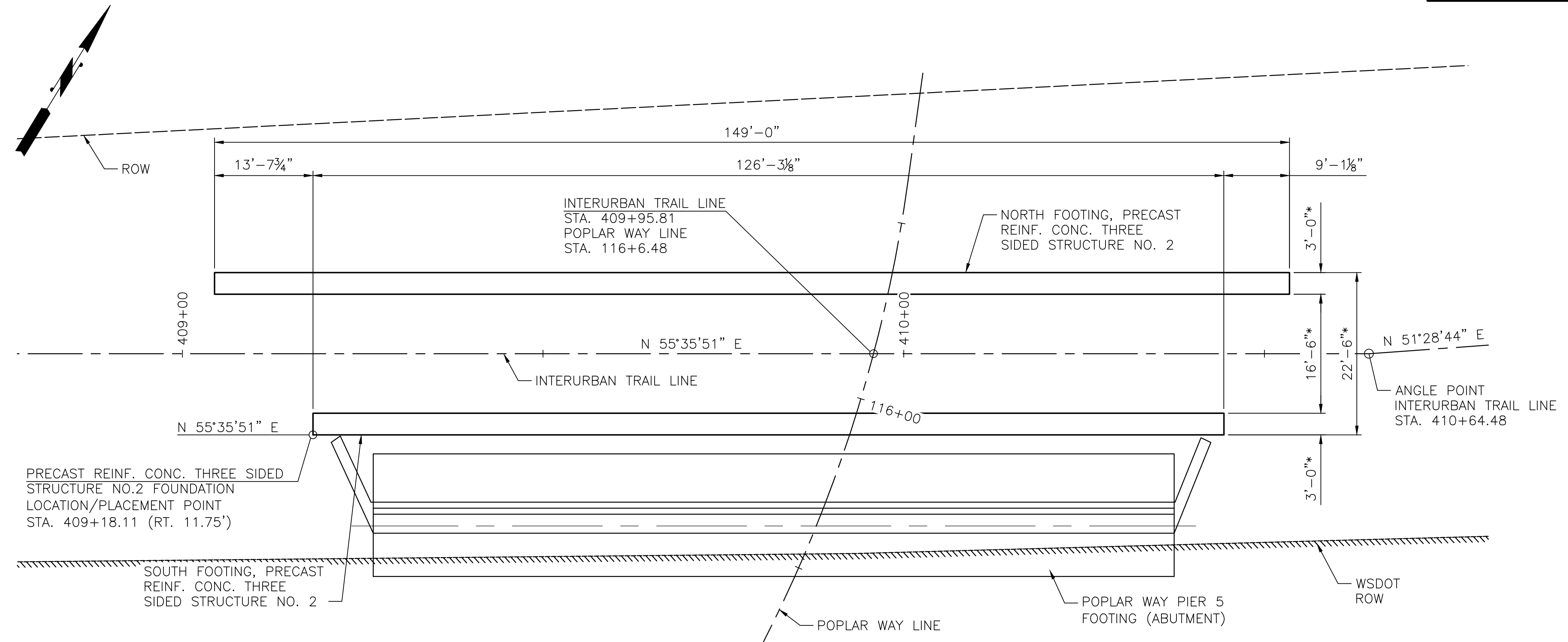


Drawn By	AT	Date	4/3/23
Designed By	AR	Date	4/3/23
Checked By	TZ	Date	4/3/23
Approved By			

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
TRAIL OVERCROSSING LAYOUT PLAN

Drawing No.	T01
Sheet No.	
of Total	

C-S 3120 ~ PROJ. NO. TA2797 ~ NORTHWEST REGION ~ 1-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



* NOTE: CONTRACTOR SHALL VERIFY STRUCTURE WIDTH AND FOOTING DIMENSIONS TO PROVIDE REQUIRED TRAIL CLEARANCES AND TO MEET BEARING PRESSURE REQUIREMENTS.

FOUNDATION PLAN

BEARING CAPACITY OF SPREAD FOOTING SHALL BE TAKEN AS:

BEARING CAPACITY (PSF)

FOOTING WIDTH	SERVICE 1 LIMIT STATE (1" SETTLEMENT)	STRENGTH 1 LIMIT STATE	EXTREME EVENT 1 LIMIT STATE
3'-0"	30,000	5,200	13,000
4'-0"	26,000	6,000	15,000

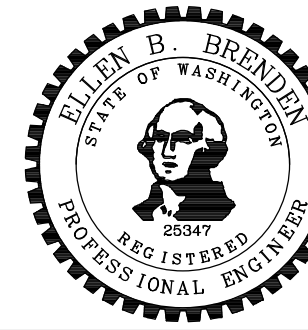
BEARING CAPACITIES FOR OTHER WIDTHS NOT GIVEN HERE MAY BE DETERMINED USING LINEAR INTERPOLATION OF THESE VALUES.

CALL 2 BUSINESS DAYS BEFORE YOU DIG
1 800 424-5555
UTILITIES UNDERGROUND LOCATION CENTER

90% REVIEW
NOT FOR CONSTRUCTION

May 04, 2023 - 12:30pm adharper \\seaw01\p1616024\ADD\DS001\Drawings\STRUC\20100156_T02.dwg Layout Name: Foundation Layout

No.	Date	Revision	By	Appr.



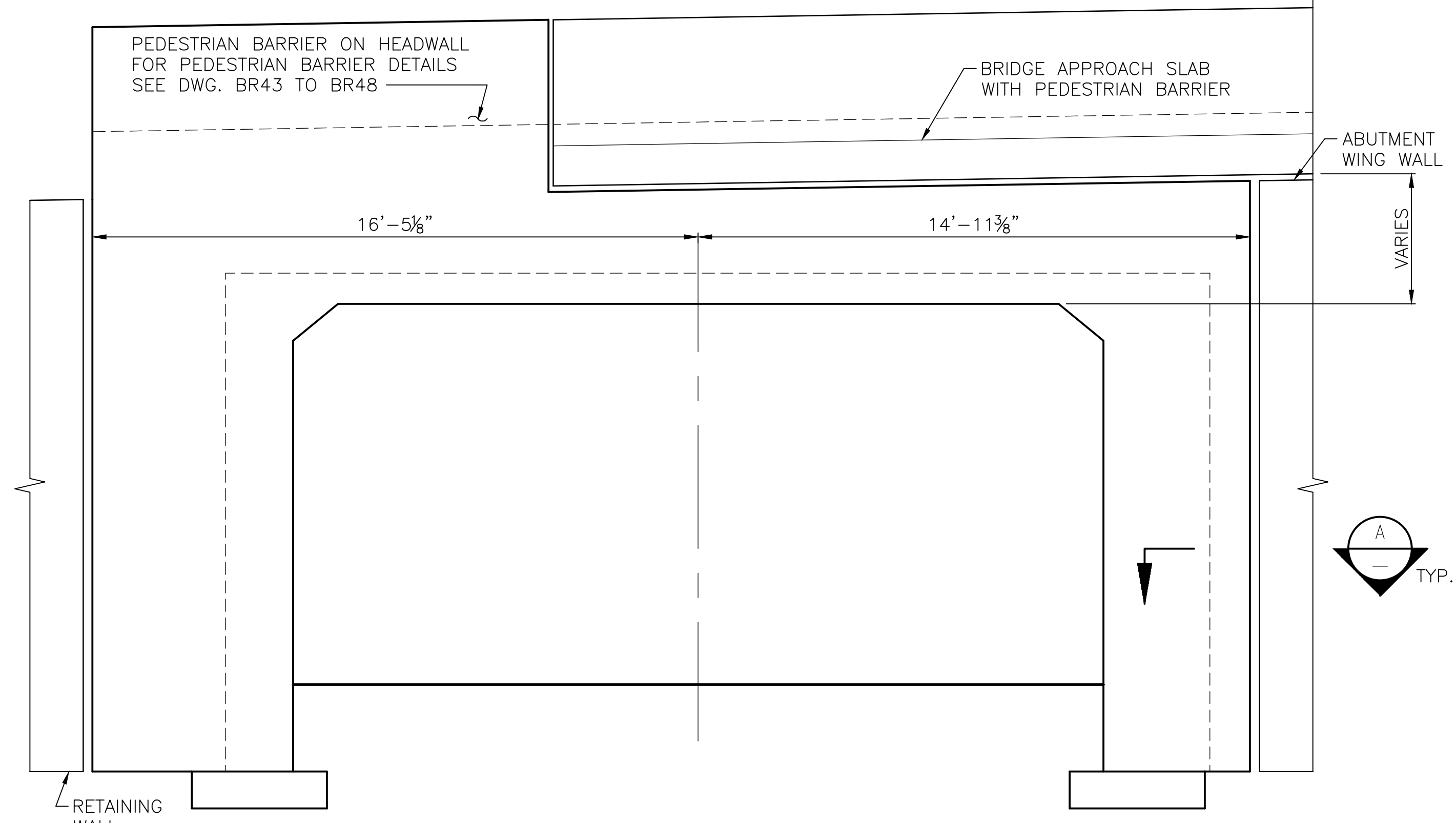
Drawn By	Date	SCALE
AT	4/3/23	
Designed By		Horiz
ART	4/3/23	N/A
Checked By		Vert
IZ	4/3/23	N/A
Approved By		Project Number
		20100156

CITY OF LYNNWOOD	
POPLAR WAY EXTENSION BRIDGE	
TRAIL OVERCROSSING FOUNDATION LAYOUT	

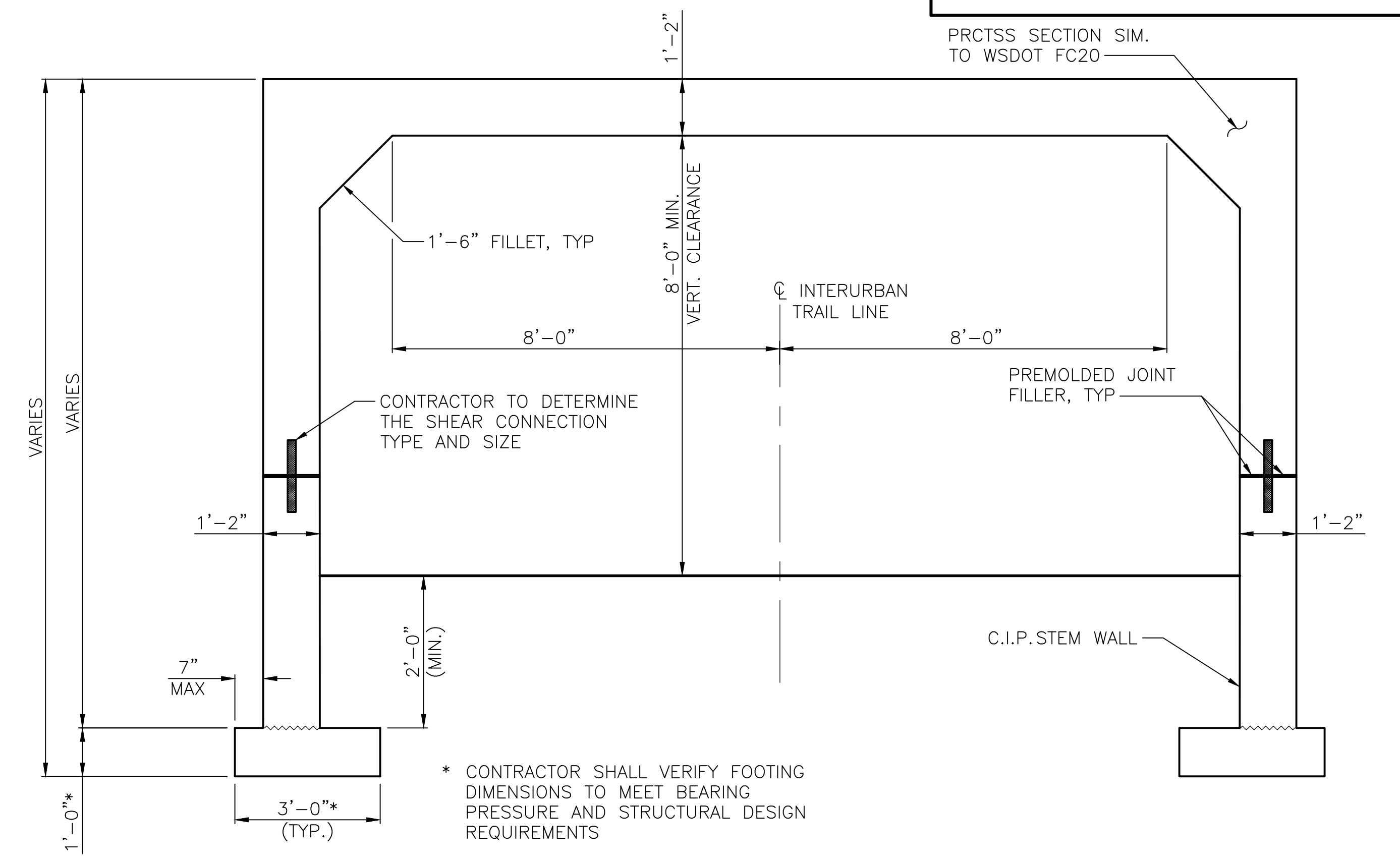
Drawing No.	T02
Sheet No.	
of Total	

C:\S 3120 ~ PROJ. NO. TAZ797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE

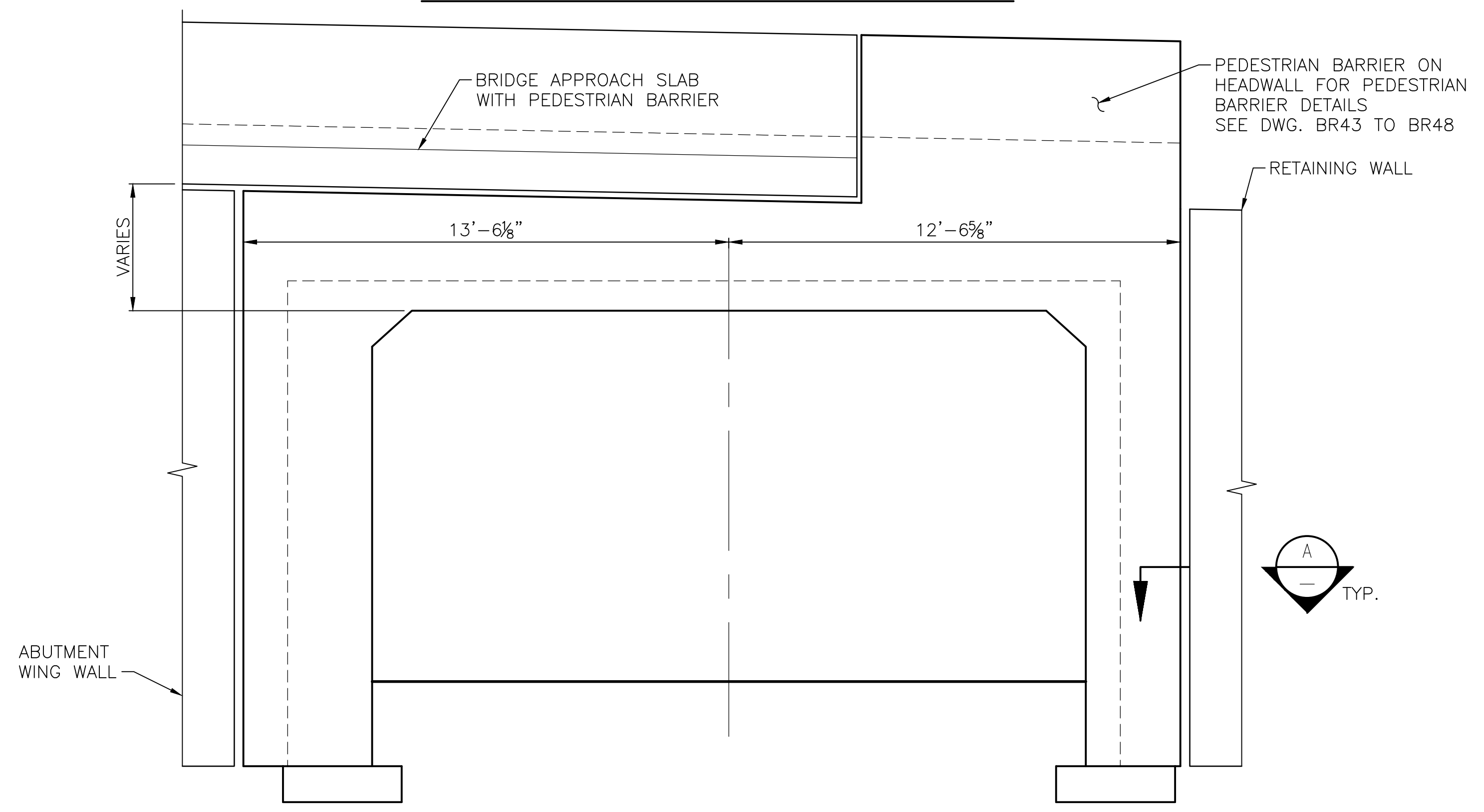
PRCTSS SECTION SIM. TO WSDOT FC20



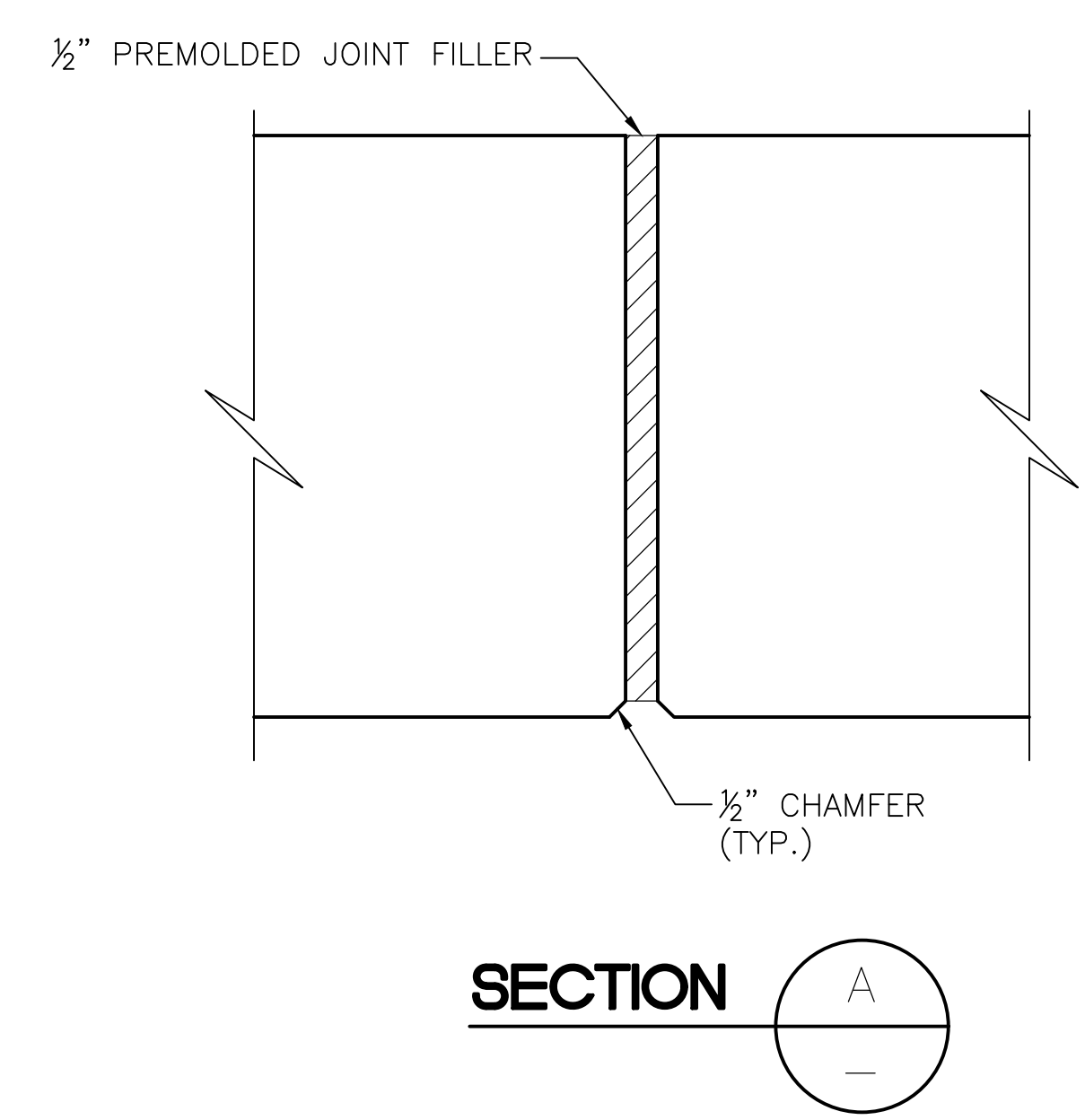
PRECAST REINF. CONC. THREE SIDED STRUCTURE NO. 2
SOUTHWEST HEADWALL ELEVATION



PRECAST REINF. CONC. THREE SIDED STRUCTURE NO. 2
TYPICAL SECTION



PRECAST REINF. CONC. THREE SIDED STRUCTURE NO. 2
NORTHEAST HEADWALL ELEVATION



90% REVIEW
NOT FOR CONSTRUCTION

May 04, 2023 - 12:30pm adharper \\seaw01\jbs16\024\CADD\DCS01\Drawings\STRUCT\UC0100166_T03.dwg Layout Name: Trail Overcrossing Sections & Details

No.	Date	Revision	By	Appr.

HNTB
HNTB Corporation
777 108th Avenue NE
Suite 1000
Bellevue, WA 98004
(425) 455-3555

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD
WASHINGTON

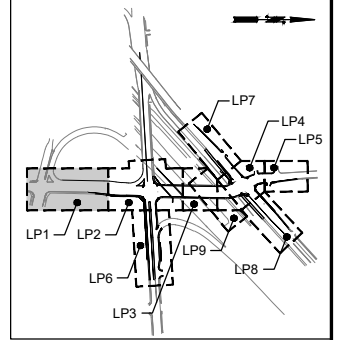


Drawn By	AT	Date	4/3/23
Designed By	AT	4/3/23	
Checked By	IT	4/3/23	
Approved By			

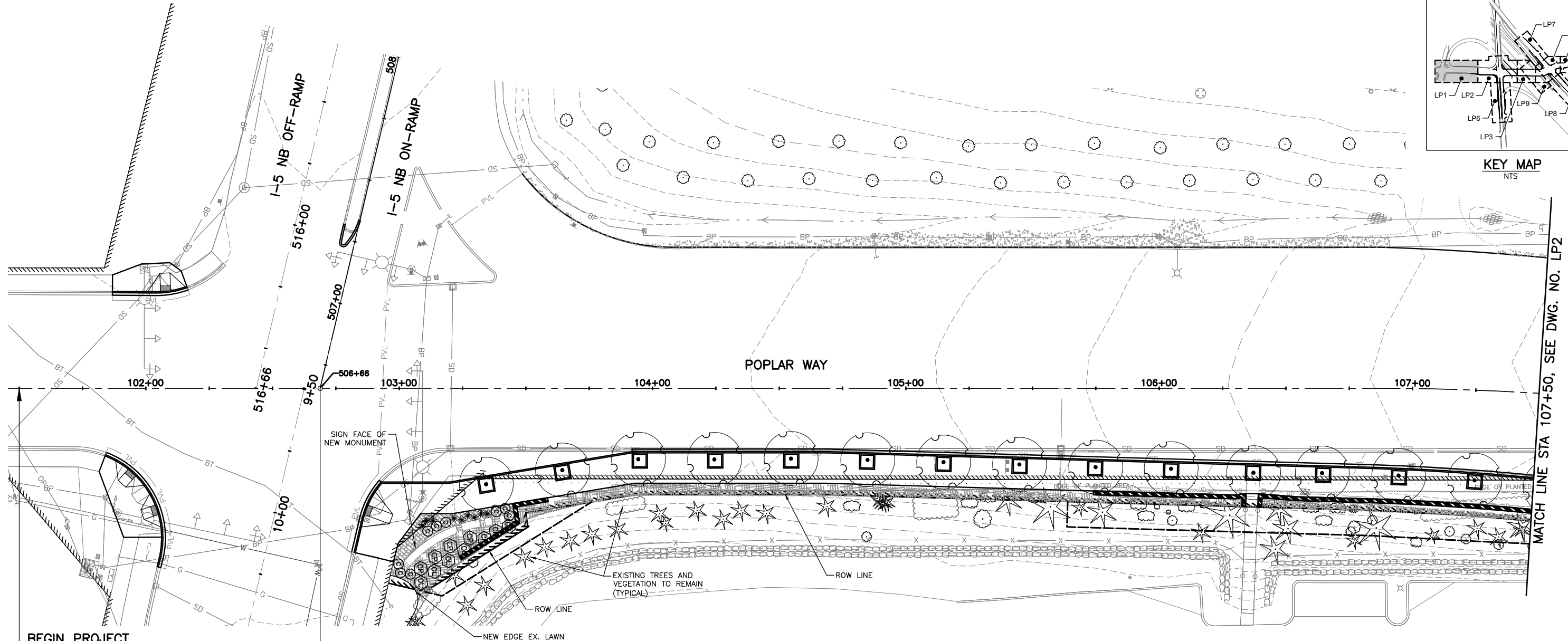
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
TRAIL OVERCROSSING
HEADWALLS AND SECTION

Drawing No.	T03
Sheet No.	3
of Total	3

C/S 3120 ~ PROJ. NO. TA2797 ~ NORTHWEST REGION ~ I-5 ~ MP 181.62 ~ CITY OF LYNNWOOD ~ POPLAR WAY EXTENSION BRIDGE



KEY MAP
NTS

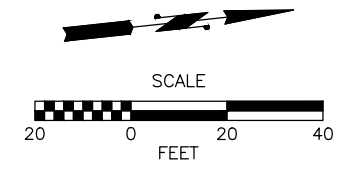


BEGIN PROJECT
STA 101+50

POPLAR WAY STA 102+68.78=
PW-N RAMP STA 506+65.54

MATCH LINE STA 107+50, SEE DWG. NO. LP2

CONSTRUCTION NOTES:
1. SEE SHEET LP10 FOR PLANT SCHEDULE AND DETAILS.



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May 10, 2023 11:03am X:\Lynnwood_City of\Projects\20100156 - Poplar Way Extension Bridge\CADD v.2014\Plan Sheets\20100156_LP.dwg Layout Name: LP1 sean.delavarpour

No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD
WASHINGTON

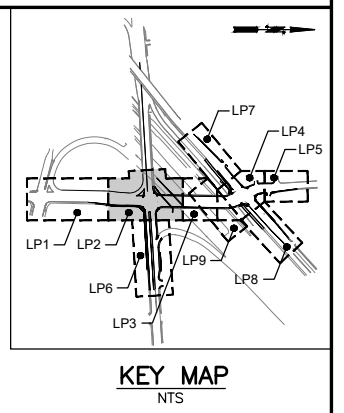
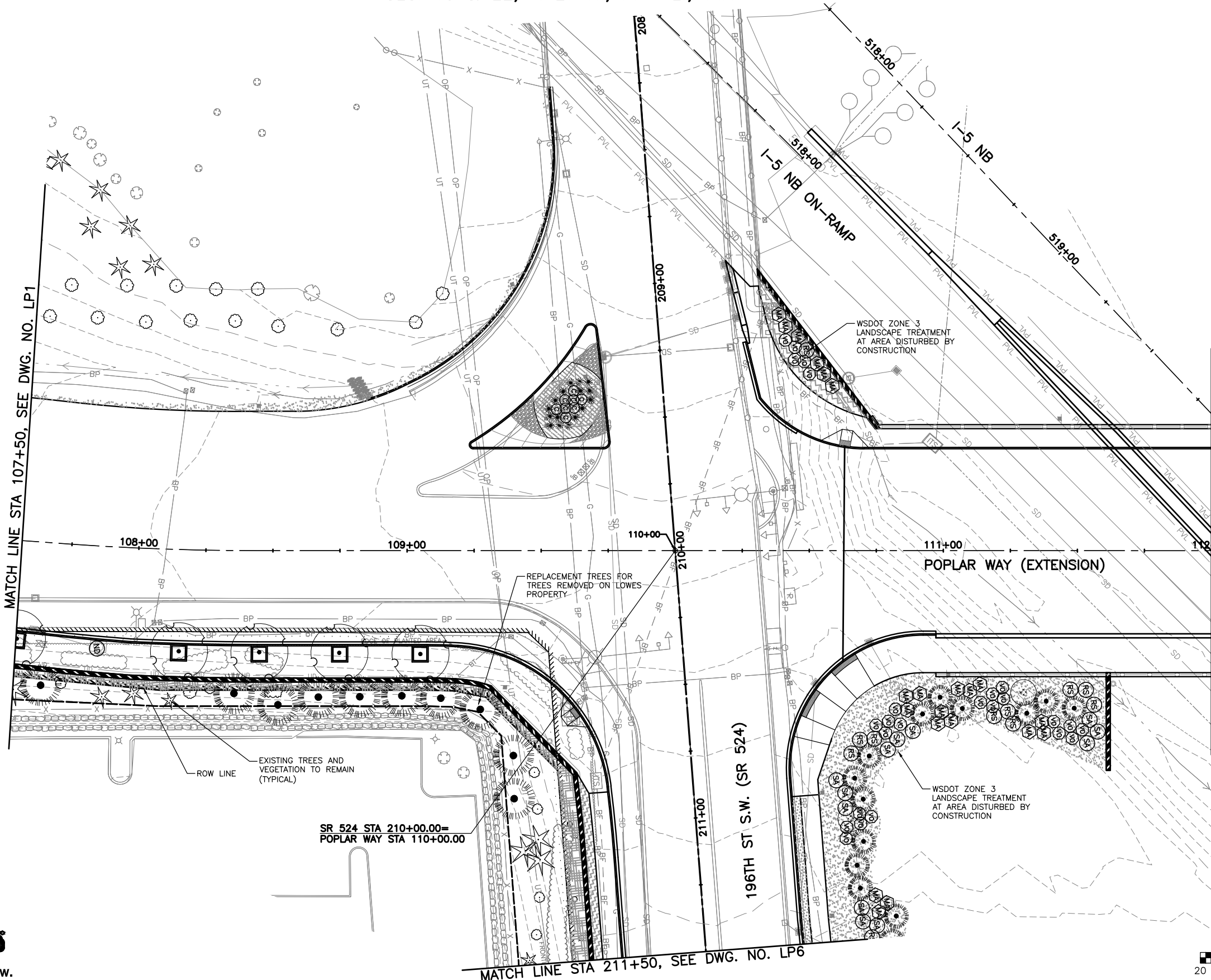
STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
JASON TODD WALKER
CERTIFICATE NO. 766

Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Date	5/2023
Checked By	V. WEN	Date	5/2023
Approved By	V. WEN	Date	5/2023

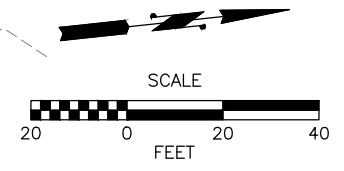
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Horiz	NONE
Vert	NONE
Project Number	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
B.O.P. TO STA 108+00
LANDSCAPE PLAN

Drawing No.	LP1
Sheet No.	X
of Total	X



GENERAL NOTES:
1. SEE SHEET LP10 FOR PLANT SCHEDULE AND DETAILS.



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May 10, 2023 11:03am X:\Projects\20100156 - Poplar Way Extension Bridge\CADD_v.2014\Plan Sheets\20100156_LP.dwg Layout Name: LP2



No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD
WASHINGTON

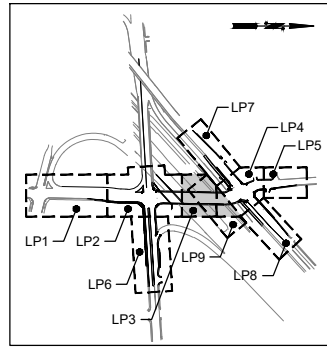
STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
JASON TODD WALKER
CERTIFICATE NO. 766

Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

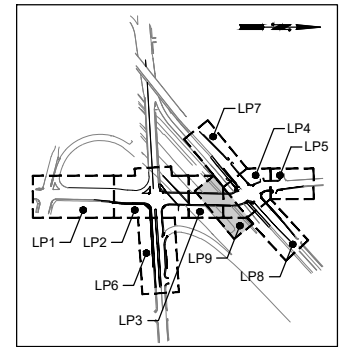
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Horiz 1"=20'
Vert NONE
Project Number 20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
STA 108+00 TO STA 112+00
LANDSCAPE PLAN

Drawing No.	LP2
Sheet No.	X
of Total	X



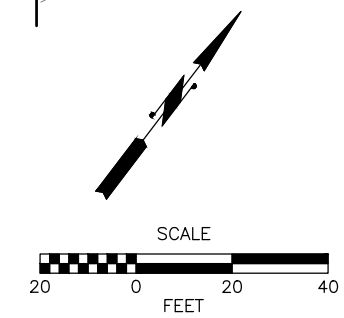
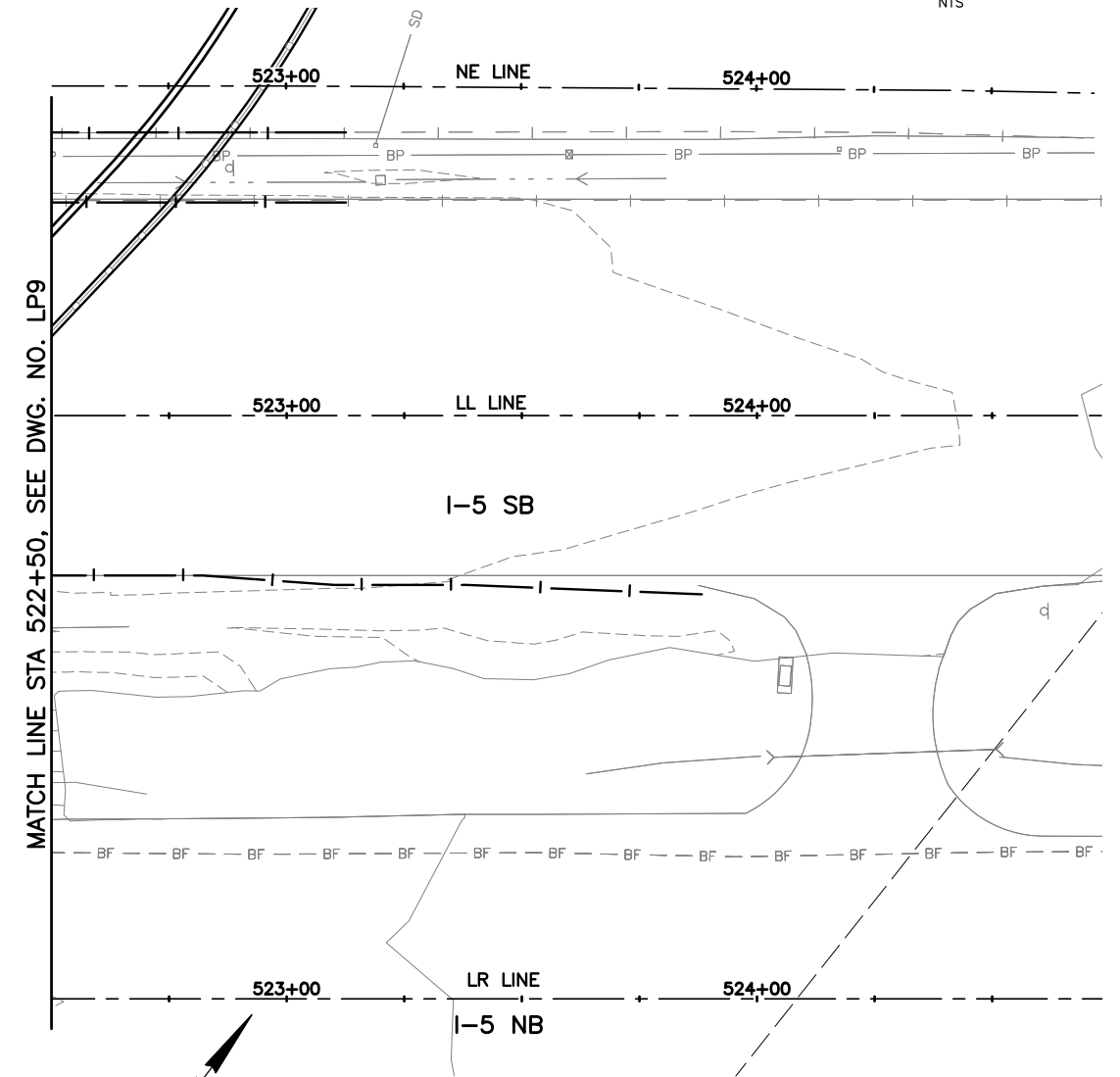
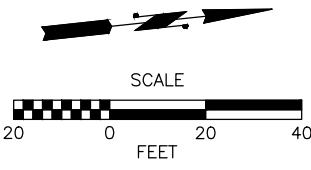
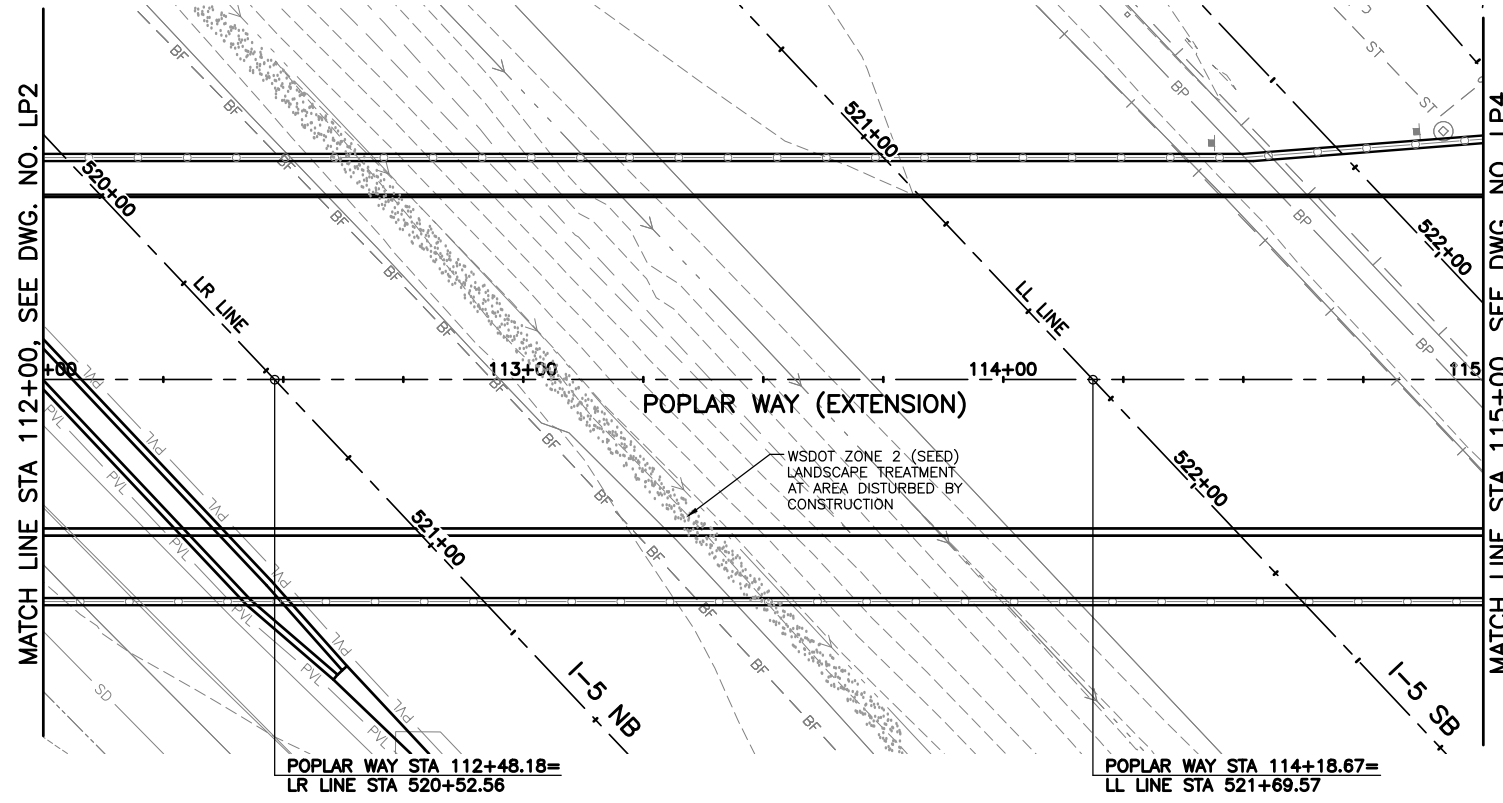
KEY MAP
NTS



KEY MAP
NTS

GENERAL NOTES:

1. SEE SHEET LP10 FOR PLANT SCHEDULE AND DETAILS.



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May 10, 2023 11:04am X:\Lynnwood_City of\Projects\20100156 - Poplar Way Extension Bridge\CADD_v.2014\Plan Sheets\20100156_LP.dwg Layout Name: LP3 sean.delavarpour



No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD
WASHINGTON

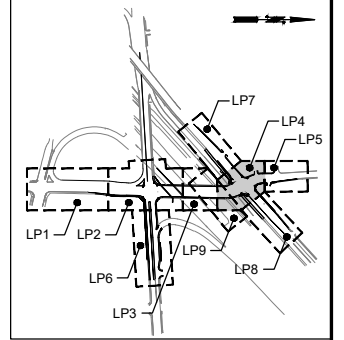
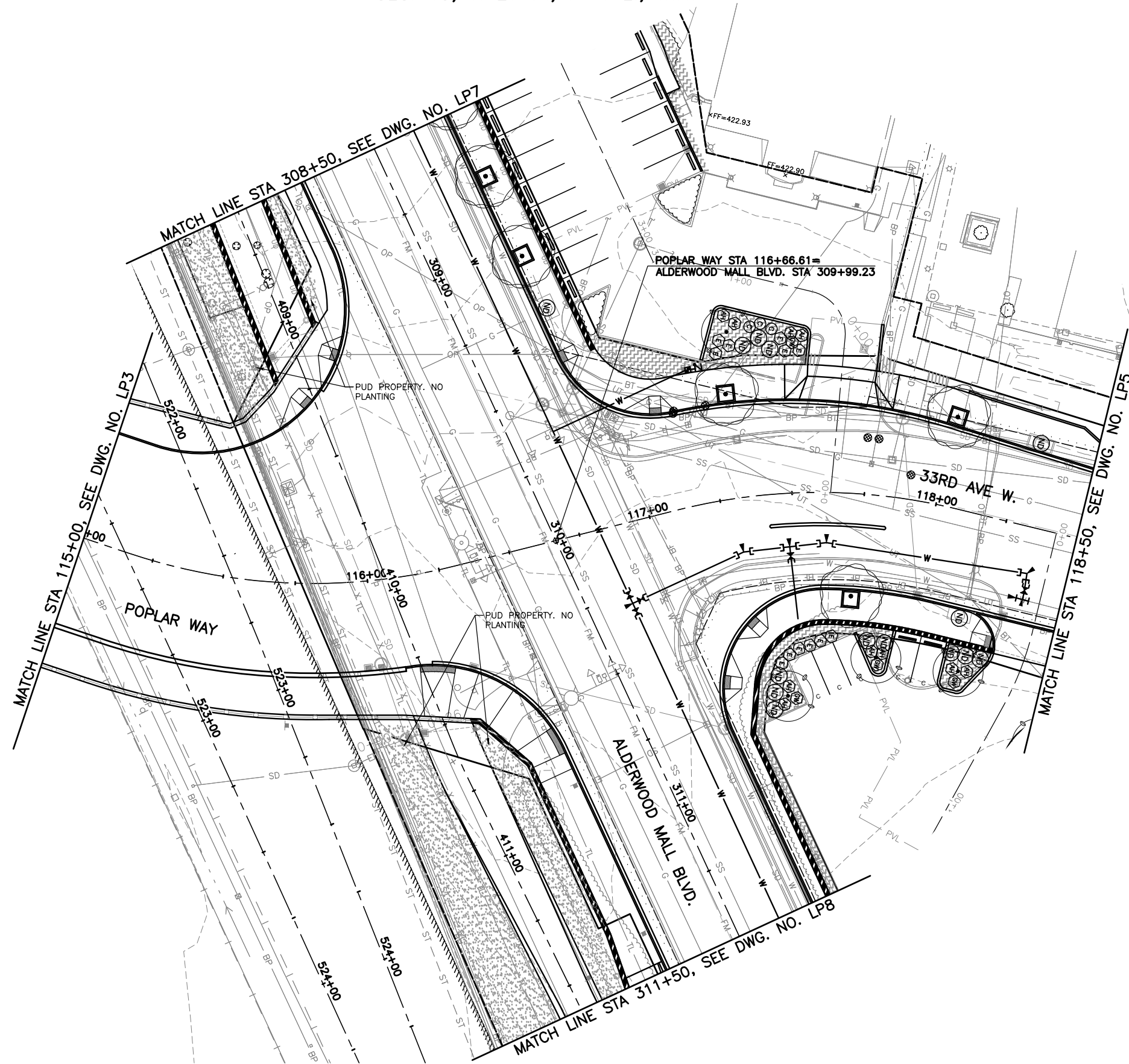
STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
JASON TODD WALKER
CERTIFICATE NO. 766

Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

SCALE
Horiz 1"=20'
Vert NONE
Project Number 20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
STA 112+00 TO STA 115+00
LANDSCAPE PLAN

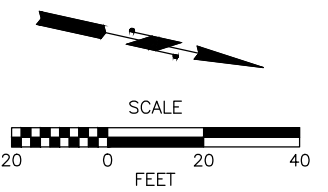
Drawing No.	LP3
Sheet No.	X
of Total	X



KEY MAP
NTS

GENERAL NOTES:

- SEE SHEET LP10 FOR PLANT SCHEDULE AND DETAILS.



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May 10, 2023 11:04am sean.delavarpour X:\Projects\20100156 - Poplar Way Extension Bridge\CADD v.2014\Plan Sheets\20100156 LP.dwg Layout Name: LP4



No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
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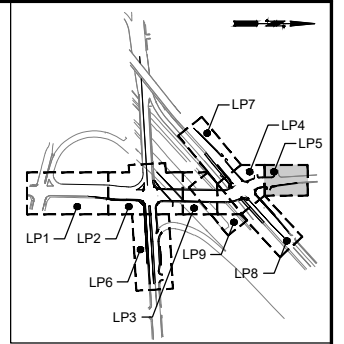
LYNNWOOD
WASHINGTON

STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
JASON TODD WALKER
CERTIFICATE NO. 756

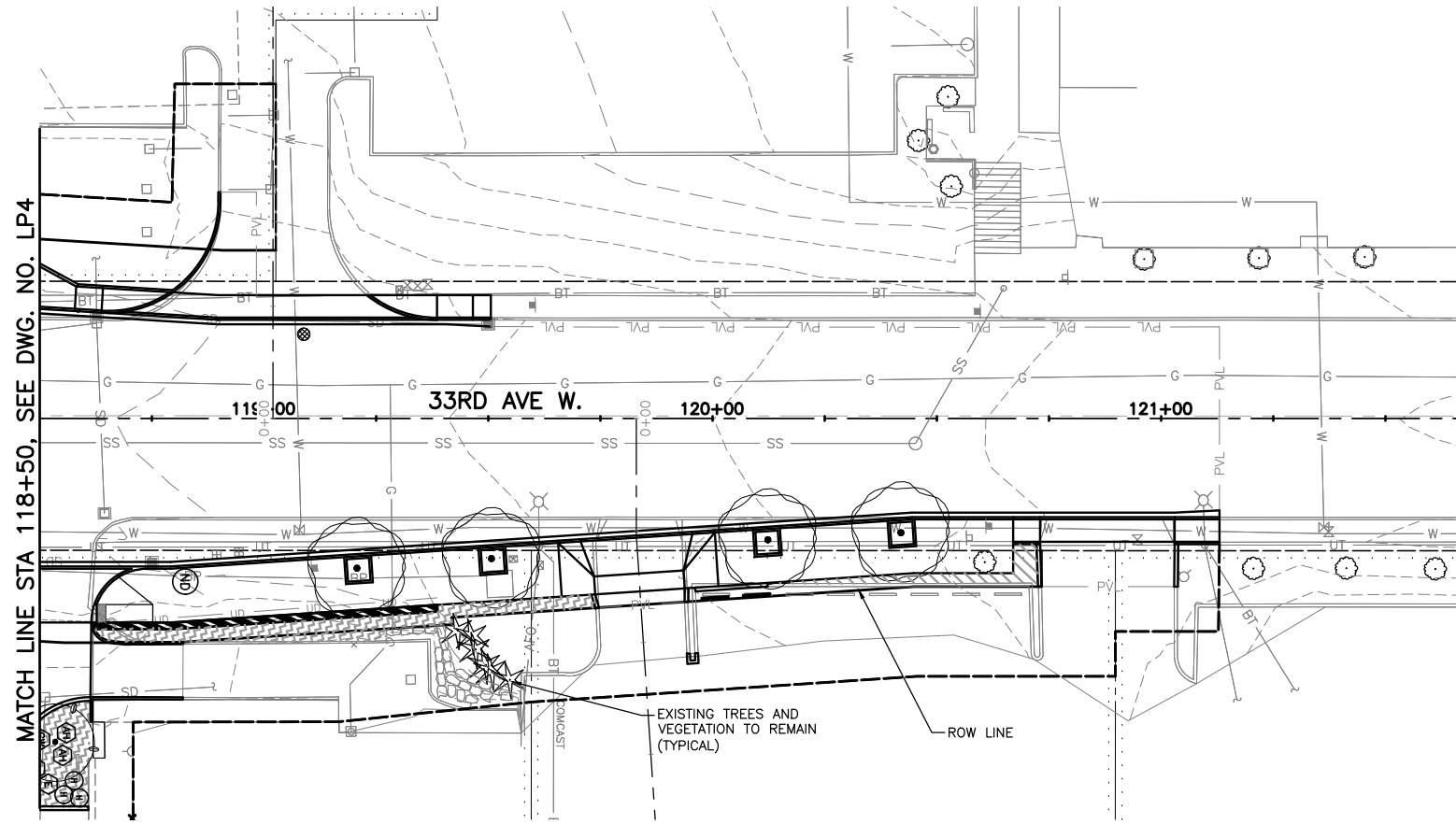
Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Date	5/2023
Checked By	V. WEN	Date	5/2023
Approved By	V. WEN	Date	5/2023

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
STA 115+00 TO STA 118+50
LANDSCAPE PLAN

Drawing No. **LP4**
Sheet No. X
of Total X



KEY MAP
NTS



GENERAL NOTES:

- SEE SHEET LP10 FOR PLANT SCHEDULE AND DETAILS.



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May 10, 2023 11:04am sean.delavarpour X:\Projects\20100156 - Poplar Way Extension Bridge\CADD v.2014\Plan Sheets\20100156_LP.dwg Layout Name: LP5



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WASHINGTON

STATE OF WASHINGTON
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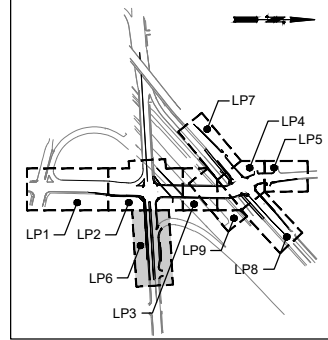
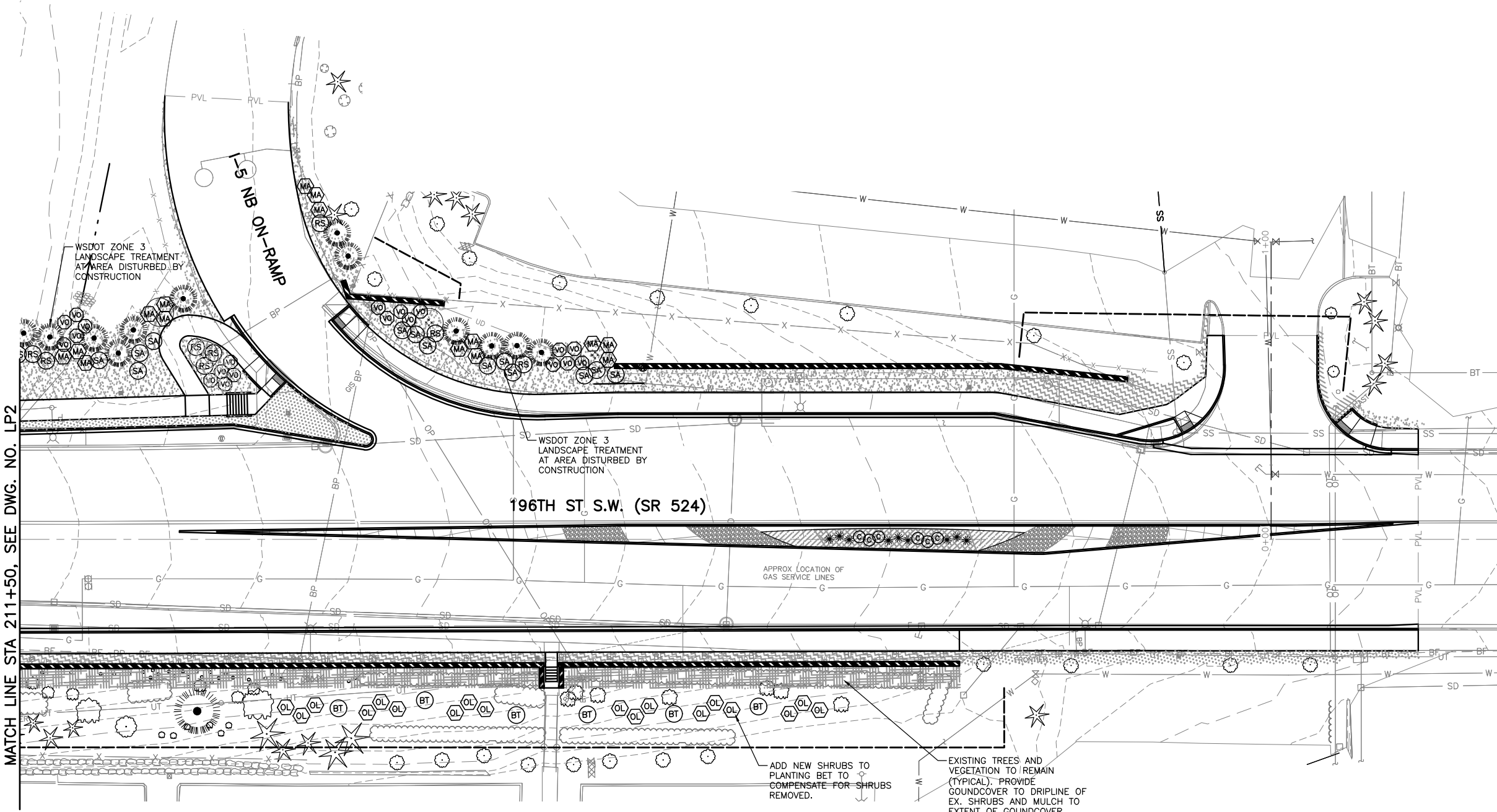
JASON TODD WALKER
CERTIFICATE NO. 766

Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Checked By	V. WEN
Checked By	V. WEN	Approved By	V. WEN
Approved By	V. WEN	Date	5/2023

SCALE	1"=20'
Horiz	NONE
Vert	NONE
Project Number	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
STA 118+50 TO E.O.P.
LANDSCAPE PLAN

Drawing No.	LP5
Sheet No.	X
of Total	X



KEY MAP
NTS

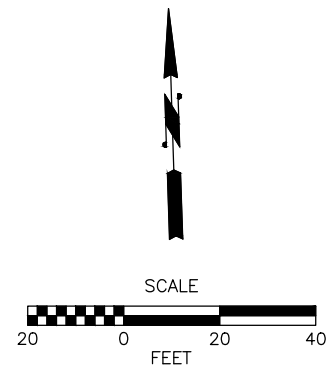
GENERAL NOTES:

- 1. SEE SHEET LP10 FOR PLANT SCHEDULE AND DETAILS.

MATCH LINE STA 211+50, SEE DWG. NO. LP2

ADD NEW SHRUBS TO PLANTING BET TO COMPENSATE FOR SHRUBS REMOVED.

EXISTING TREES AND VEGETATION TO REMAIN (TYPICAL). PROVIDE GROUND COVER TO DRIPLINE OF EX. SHRUBS AND MULCH TO EXTENT OF GROUND COVER INDICATED.



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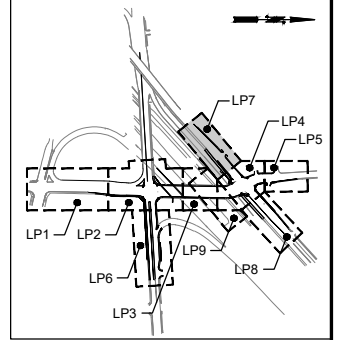
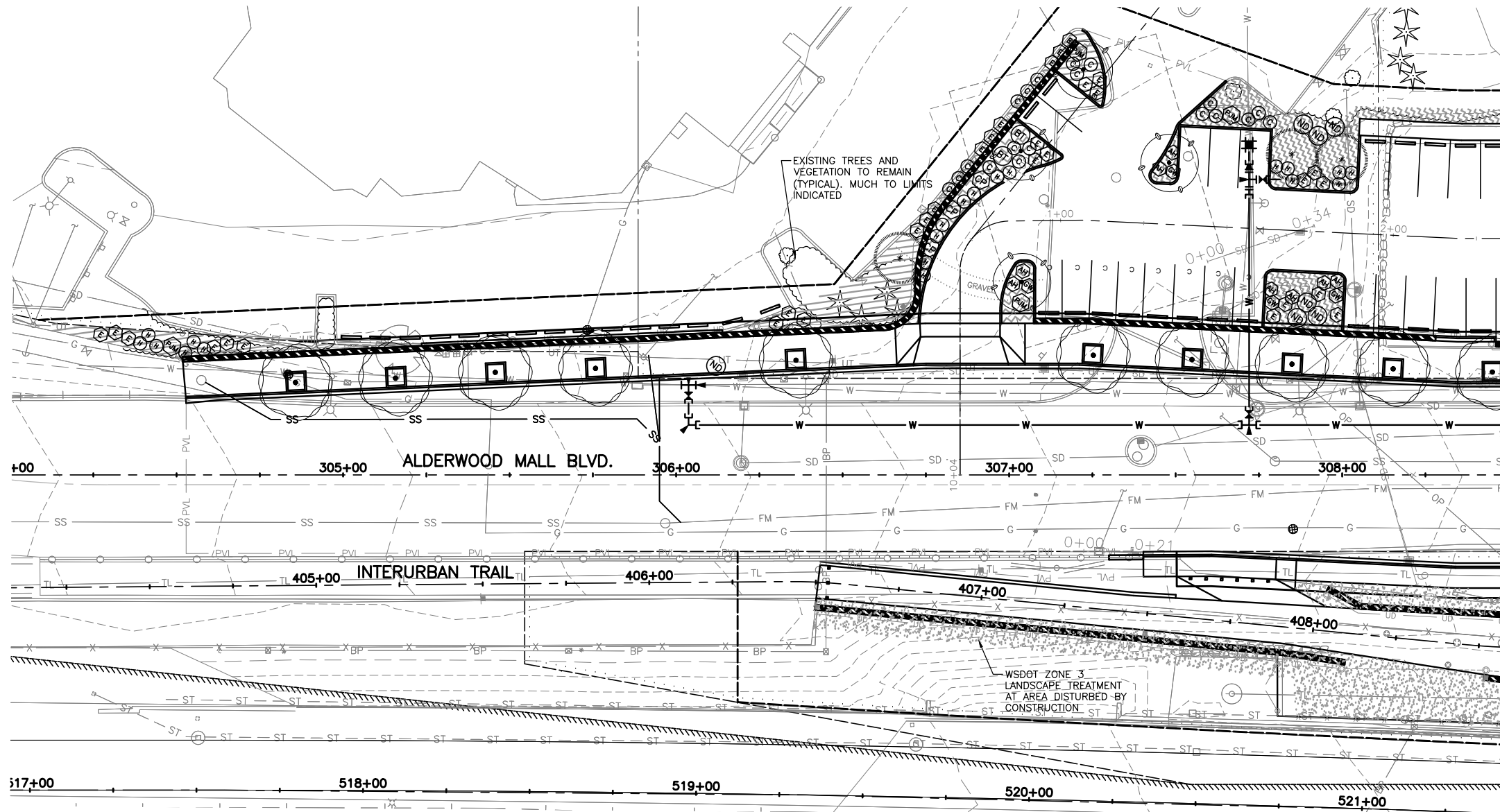
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Designed By	E. BORGES	Date	5/2023
Checked By	V. WEN	Date	5/2023
Approved By	V. WEN	Date	5/2023

SCALE	Horiz 1"=20'
Vert	NONE
Project Number	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
STA 211+50 TO STA E.O.P.
LANDSCAPE PLAN

Drawing No.	LP6
Sheet No.	X
of Total	X

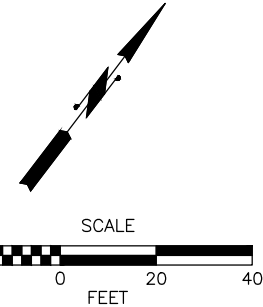
No.	Date	Revision	By	Appr.



MATCH LINE STA 308+50, SEE DWG. NO. LP4

GENERAL NOTES:

- 1. SEE SHEET LP10 FOR PLANT SCHEDULE AND DETAILS.



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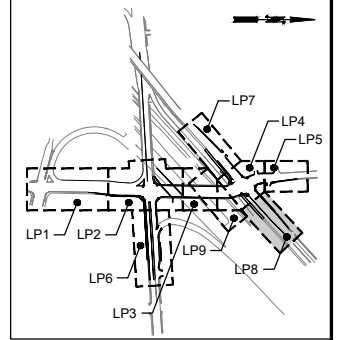
Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Date	5/2023
Checked By	V. WEN	Date	5/2023
Approved By	V. WEN	Date	5/2023

SCALE	1"=20'
Horiz	NONE
Vert	NONE
Project Number	20100156

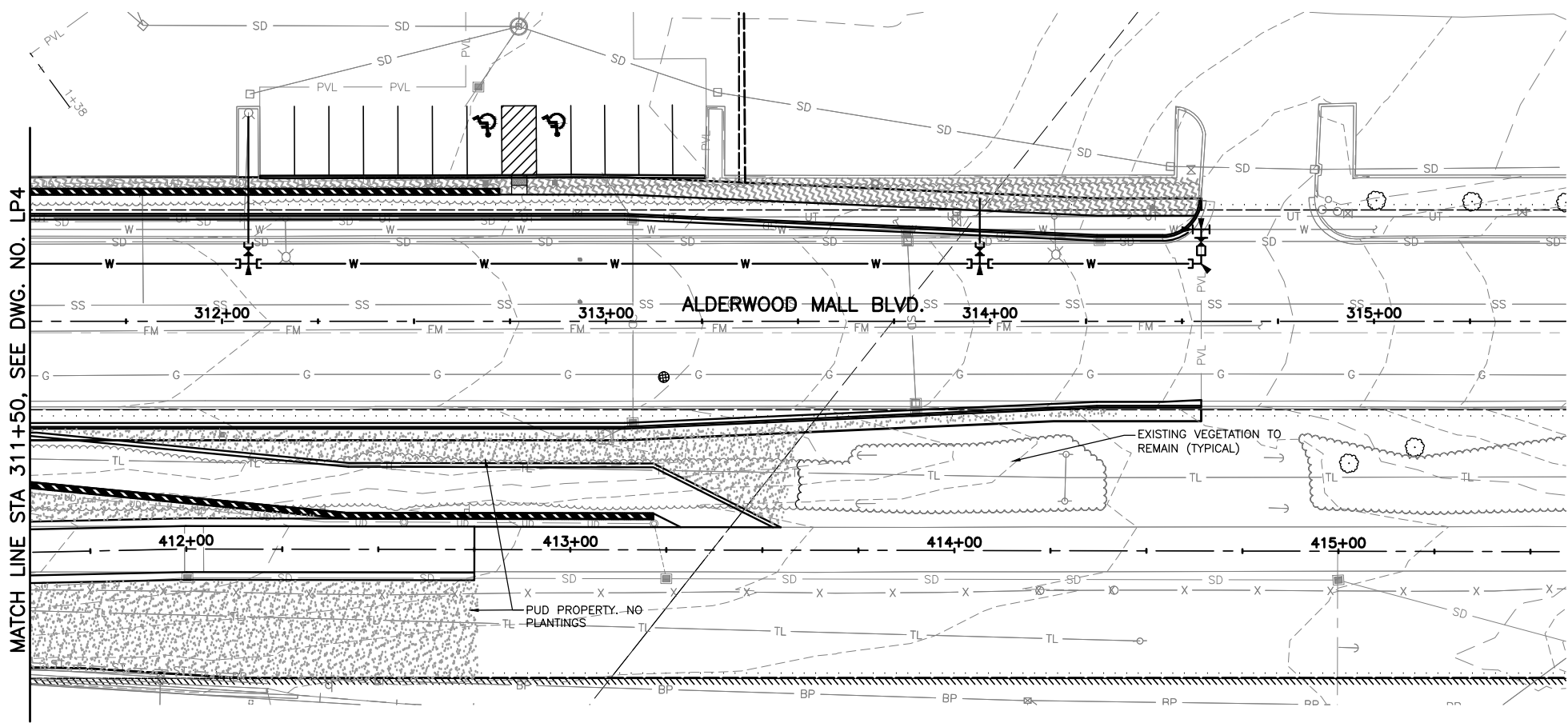
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
B.O.P. TO STA 308+50
LANDSCAPE PLAN

Drawing No.	LP7
Sheet No.	X
of Total	X

No.	Date	Revision	By	Appr.

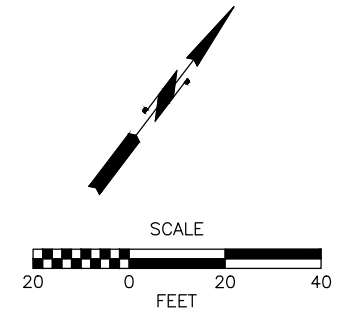


KEY MAP
NTS



GENERAL NOTES:

- 1. SEE SHEET LP10 FOR PLANT SCHEDULE AND DETAILS.



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JASON TODD WALKER
CERTIFICATE NO. 766

Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Checked By	V. WEN
Approved By	V. WEN	Date	5/2023

SCALE	1"=20'
Horiz	NONE
Vert	NONE
Project Number	20100156

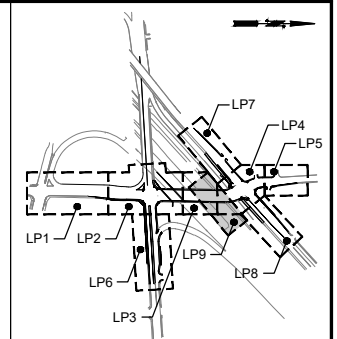
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
STA 311+50 TO E.O.P.
LANDSCAPE PLAN

Drawing No.	LP8
Sheet No.	X
of Total	X

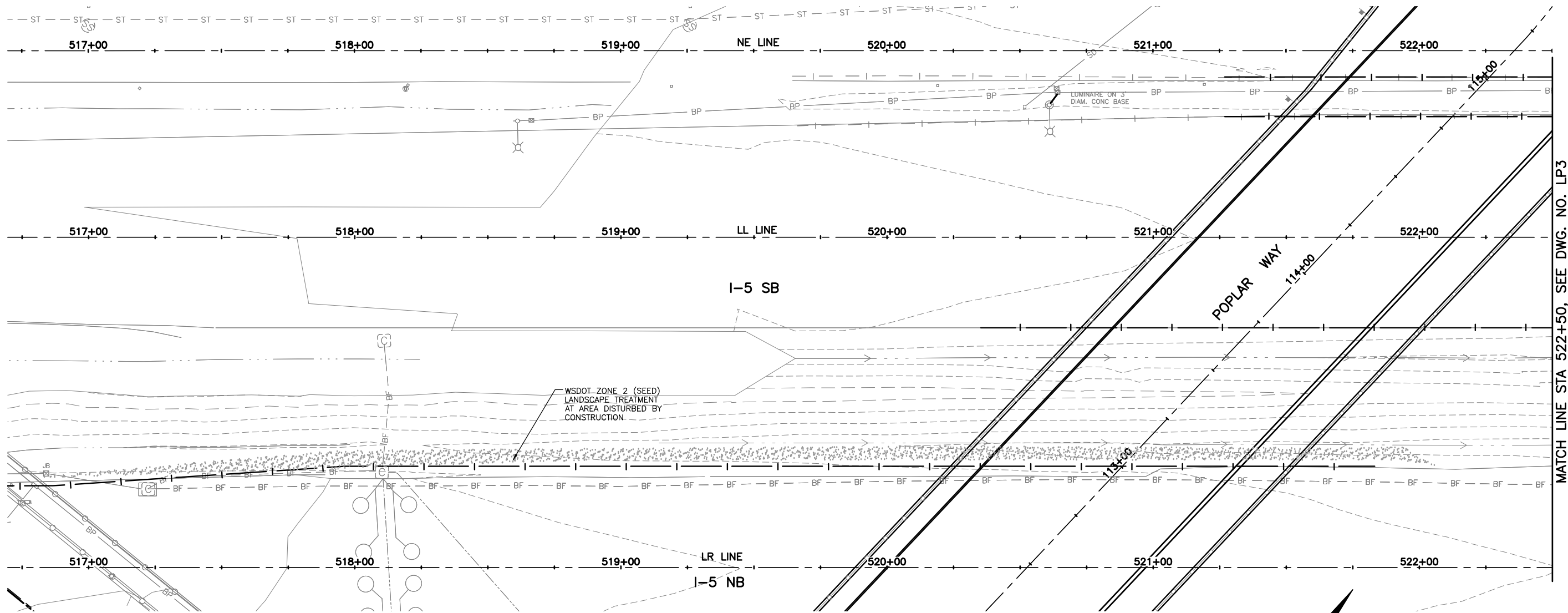
No.	Date	Revision	By	Appr.

GENERAL NOTES:

1. SEE SHEET LP10 FOR PLANT SCHEDULE AND DETAILS.



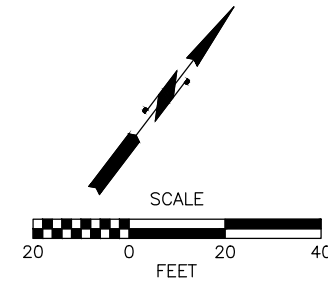
KEY MAP
NTS



MATCH LINE STA 522+50, SEE DWG. NO. LP3



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JASON TODD WALKER
CERTIFICATE NO. 766

Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	5/2023	
Checked By	V. WEN	5/2023	
Approved By	V. WEN	5/2023	

SCALE	1"=20'
Horiz	NONE
Vert	NONE
Project Number	20100156

CITY OF LYNNWOOD
**POPLAR WAY EXTENSION BRIDGE
I-5 GUARDRAIL PLAN
LANDSCAPE PLAN**

Drawing No.	LP9
Sheet No.	X
of Total	X

PLANT SCHEDULE

SEC. 15, T. 27 N., R. 4 E., W.M.

FEDERAL AID NO. IMD-STPUL-2004(037)

TREES

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SPACING	QTY.	SIZE (MIN.)	NOTES
	ACER RUBRUM 'KARPICK'	KARPICK MAPLE	30' O.C.	19	2.5" CAL.	SINGLE TRUNK, MATCHED, 6' CLEAR CANOPY
	ACER GRISEUM	PAPERBARK MAPLE	30' O.C.	19	2.5" CAL.	SINGLE TRUNK, MATCHED, 6' CLEAR CANOPY
	PYRUS CALLERYANA 'CHANTICLEER'	FLOWERING PEAR	AS SHOWN	9	2" CAL.	SINGLE TRUNK, MATCHED, 6' CLEAR CANOPY
	THUJA PLICATA 'EXCELSA'	EXCELSA RED CEDAR	AS SHOWN	11	8' HT. MIN.	FULL, SINGLE LEADER.
	THUJA PLICATA 'EXCELSA'	EXCELSA RED CEDAR	AS SHOWN	26	5 GAL.	FULL, SINGLE LEADER.
	PINUS NIGRA	AUSTRIAN PINE	AS SHOWN	3	8' HT. MIN.	FULL, SINGLE LEADER.
	ACER CIRCINATUM	VINE MAPLE	AS SHOWN	8	4' HT. MIN.	MULTI-STEM CLUMP

SHRUBS

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SPACING	QTY.	SIZE (MIN.)	NOTES
	AZALEA HINO CRIMSON	HINO CRIMSON AZALEA	3' O.C.	21	2 GAL.	FULL
	AZALEA GUMPO WHITE	GUMPO WHITE AZALEA	3' O.C.	10	2 GAL.	FULL
	CORNUS SERICEA 'KELSEY'	DWARF RED-OSIER DOGWOOD	3' O.C.	46	1 GAL.	MULTI-CANE
	CISTUS X PURPUREUS	PURPLE ROCK ROSE	4' O.C.	11	5 GAL.	FULL
	NANDINA DOMESTICA 'GULF STREAM'	GULF STREAM NANDINA	4' O.C.	23	5 GAL.	FULL
	VACCINIUM OVATUM	EVERGREEN HUCKLEBERRY	4' O.C.	45	1 GAL.	FULL
	PRUNUS LAUROCERASUS 'OTTO LUYKEN'	OTTO LUYKEN LAUREL	2'-3' O.C.	23	5 GAL.	FULL
	ERICA C. 'SPRINGWOOD PINK'	PINK HEATH	2'-3' O.C.	47	1 GAL.	FULL
	BERBERIS THUNBERGII 'ROSE GLOW'	ROSE GLOW BARBERRY	5' O.C.	9	5 GAL.	FULL
	RHODODENDRON P.J.M. COMPACTA	DWARF P.J.M. RHODODENDRON	5' O.C.	5	21" HT.	FULL
	CAREX COMANS 'FROSTED CURLS'	NEW ZEALAND HAIR SEDGE	3' O.C.	34	1 GAL.	FULL
	HEMEROCALLIS FULVA	DAYLILY	2'-3' O.C.	24	1 GAL.	FULL
	SYMPHORICARPOS ALBUS	SNOWBERRY	4' O.C.	46	1 GAL.	FULL
	MAHONIA AQUIFOLIUM	OREGON GRAPE	4' O.C.	37	1 GAL.	FULL
	TRIBES SANGUINEUM	FLOWERING CURRANT	4' O.C.	20	1 GAL.	FULL

GROUNDCOVERS

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SPACING	AREA (SF)	QTY.	UNIT	NOTES
	ARCTOSTAPHYLOS UVA-URSI	KINNIKINNICK	24" O.C.	8,610	2,500	1 GAL.	FUL
	EUONYMUS FORTUNEI 'COLORATUS'	PURPLELEAF WINTERCREEPER	24" O.C.	5,170	1,500	1 GAL.	FUL
	LEPTINELLA SQUALIDA	BRASS BUTTONS	12" O.C.	950	1,100	4" POT	FULL
	FRAGARIA CHILENSIS	COAST STRAWBERRY	12" O.C.	354	410	4" POT	FULL
	SEED AT EXPOSED SOIL AREAS			24,700	SAME	SF	ON 6" DEPTH TOPSOIL
	MULCH ONLY (2" DEPTH)			1500	50	CY, SPREAD	
	SOD			1500	SAME	SF	ON 6" DEPTH TOPSOIL

GENERAL PLANTING NOTES

- ON-SITE SOIL MIXING OR PLACEMENT NOT ALLOWED WHEN SOIL IS SATURATED, FROZEN, OR IN THE OPINION OF THE ENGINEER, IN A CONDITION DETRIMENTAL TO THE WORK.
- LANDSCAPE PLANTING AREAS (ALL SHRUB AND GROUNDCOVER AREAS) SHALL RECEIVE 6" DEPTH TOPSOIL TYPE A AND MIN. 2" DEPTH OF MEDIUM BARK MULCH AFTER PLANTING.
- AFTER PLANTING, IMMEDIATELY SATURATE ALL PLANTING PITS TO ELIMINATE AIR POCKETS AND FACILITATE SETTLING OF BACKFILL MATERIAL.
- ROOT MASSES OF CONTAINERIZED STOCK SHOULD BE "SCORED" WITH A SHARP OBJECT TO INSURE THE PLANTS WILL NOT BECOME ROOT BOUND.
- ANY PLANT SUBSTITUTIONS SHALL BE APPROVED BY PROJECT ENGINEER OR LANDSCAPE ARCHITECT.
- LANDSCAPE PLANTING SHALL BE INSTALLED AFTER SITE WORK IS DONE, INCLUDING ROADS UTILITIES, DRIVEWAYS, ETC.
- PROVIDE GROUNDCOVER PER PLAN TO DRIPLINES OF NEW AND EXISTING SHRUBS GROUNDCOVERS.
- HYDROSEED ALL EXPOSED SOIL AREAS CAUSED BY UTILITY INSTALLATION AND CONSTRUCTION ACTIVITIES THAT OCCUR OUTSIDE OF SHRUB AND GROUNDCOVER AREAS AND IF NOT OTHERWISE HATCHED TO BE SEED PER LANDSCAPE PLAN.
- SEE SPEC FOR BIDDER PROVIDED IRRIGATION AT COMMERCIAL PROPERTIES NORTH OF ALDERWOOD MALL BLVD. AUTOMATIC IRRIGATION TO BE PROVIDED BY BIDDER DESIGN AND SHALL REQUIRE BACKFLOW PROTECTION. SEE SPEC. IRRIGATION SHALL BE OPERATIONAL FOR AT LEAST TWO YEARS.
- SEE IRRIGATION PLANS FOR MEDIANS AND STREET TREE IRRIGATION AND FOR RESTORATION OF LOWES IRRIGATION.
- CONTRACTOR TO PROVIDE WATERING FOR ESTABLISHMENT AT ALL OTHER LANDSCAPE AREAS FOR DURATION OF PLANT ESTABLISHMENT PERIOD.
- TREE STAKING SHALL BE MAINTAINED DURING THE 1ST YEAR BY CONTRACTOR AS PART OF SPECIFIED TERMS IN CONTRACT. ALL CONTRACT PLANTING MAINTENANCE AND ESTABLISHMENT STANDARDS PROCEDURES, INCLUDING THOSE RELATED TO POSTING AND RELEASING THE BOND, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

SEED MIX

(ALL EXPOSED SOILS OUTSIDE OF PLANTING AREAS SHALL BE SEED)

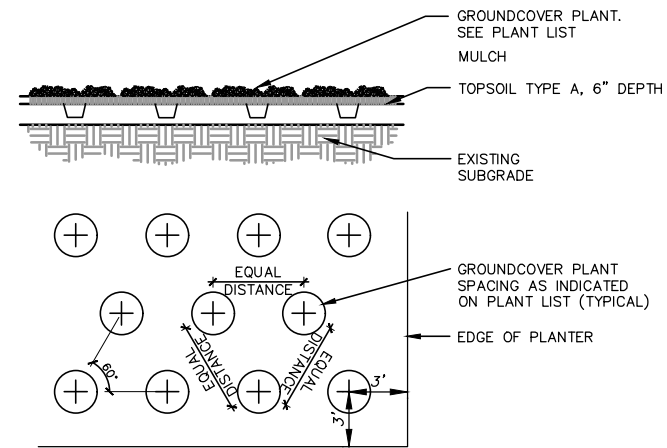
SCIENTIFIC NAME:	COMMON NAME:	% WEIGHT	% PURITY	% GERMINATION
AGROSTIS ALBA OR AGROSTIS OREGONENSIS	REDTOP OR OREGON BENTGRASS	20	92	85
FESTUCA RUBRA	RED FESCUE	70	98	90
TRIFOLIUM REPENS	WHITE DUTCH CLOVER	10	98	90

SEED APPLICATION RATE: 120 LBS/ACRE
APPLICATION METHOD: HYDROSEED

SEED MIX REFERENCE: WASHINGTON STATE DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON, VOLUME II - CONSTRUCTION STORMWATER POLLUTION PREVENTION, TABLE 4.6.

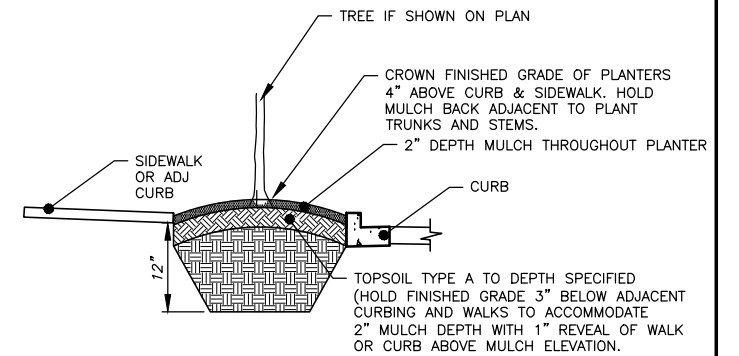
TREE REMOVAL/ REPLACEMENT NOTES

- TOTAL EVERGREEN TREES REMOVED FOR PROJECT = 18 CONIFERS (PRIMARILY CEDAR, D. FIR AND PINE, 4"-16" DBH)
- TOTAL DECIDUOUS TREES REMOVED FOR PROJECT = 51 STANDARD STREET TREES (OAK, MAPLE, AND CHERRY, 3"-15" DBH)
- TOTAL EVERGREEN TREES PROVIDED = 36
- TOTAL DECIDUOUS TREES PROVIDED = 56



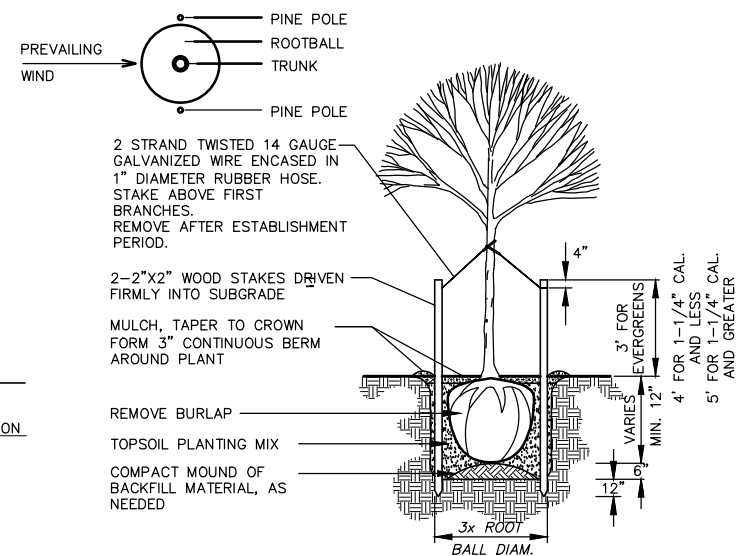
TYPICAL GROUNDCOVER SPACING DETAIL

N.T.S.



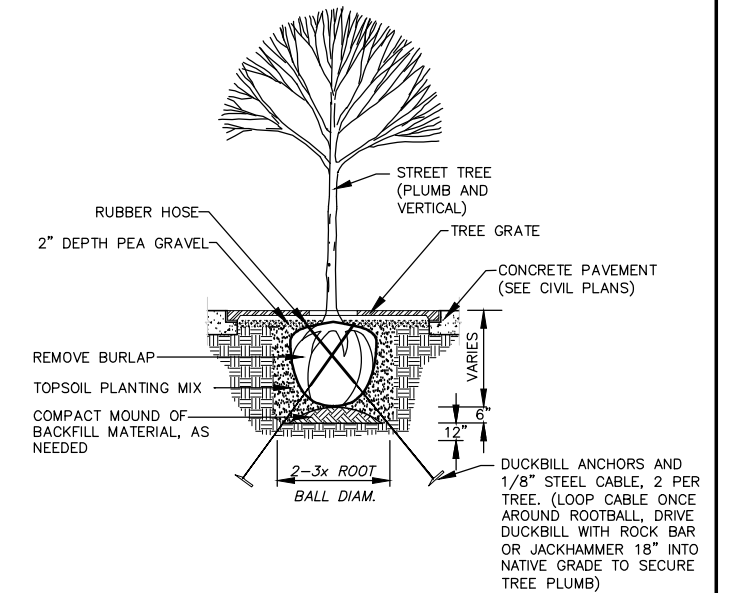
TYPICAL PLANTING BED DETAIL

N.T.S.



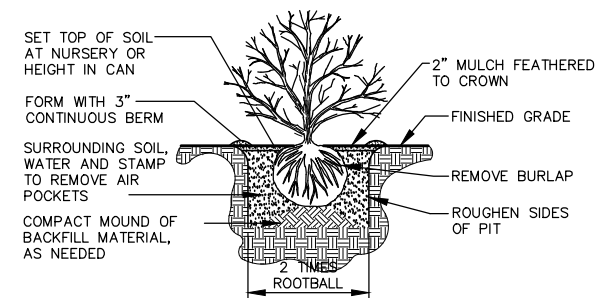
TYPICAL TREE PLANTING DETAIL

N.T.S.



TYPICAL TREE GRATE PLANTING DETAIL

N.T.S.



TYPICAL SHRUB PLANTING DETAIL

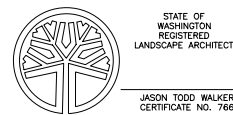
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May 11, 2023 4:53pm Vincent Wen X:\Lynnwood_City of Projects\20100156 - Poplar Way Extension Bridge\CADD v.2014\Plan Sheets\20100156_LP.dwg Layout Name: LP10

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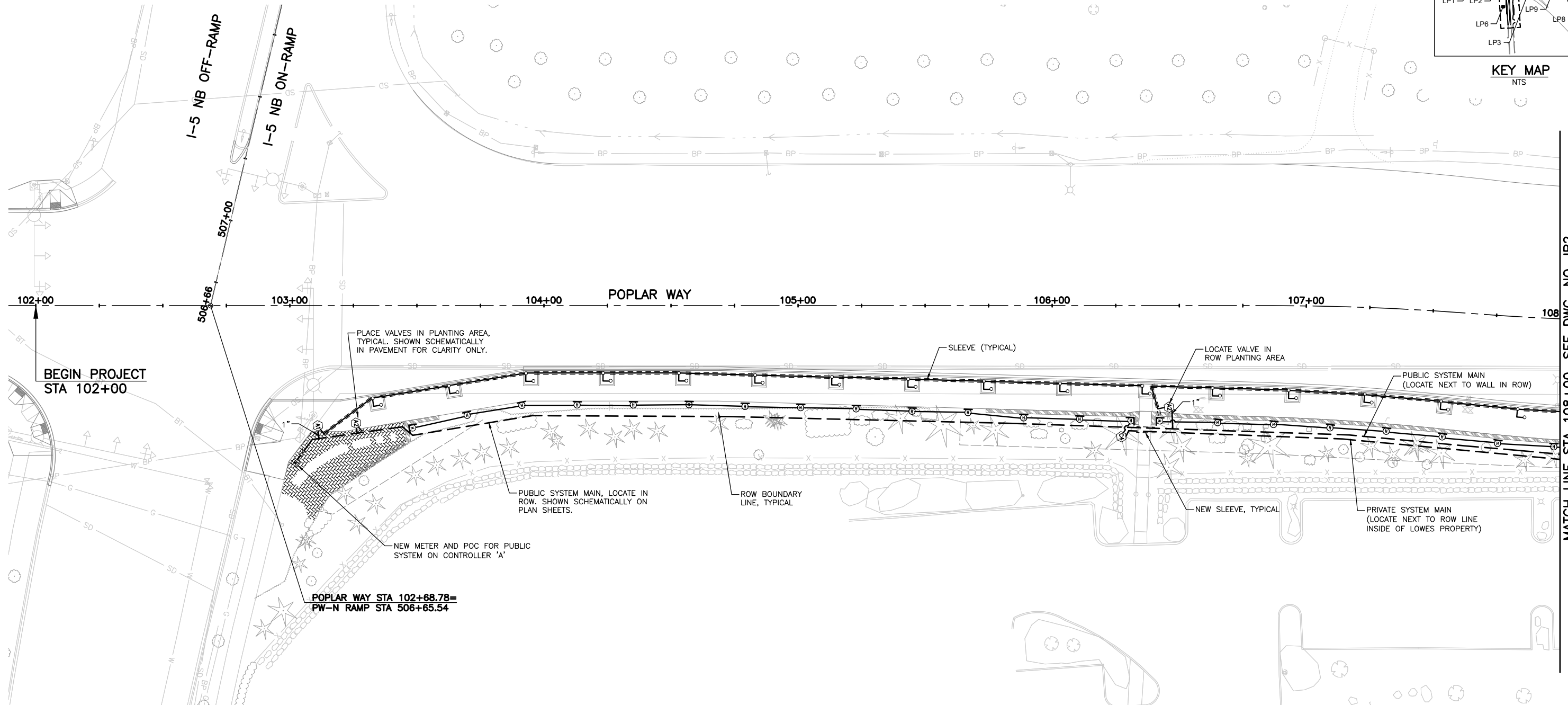
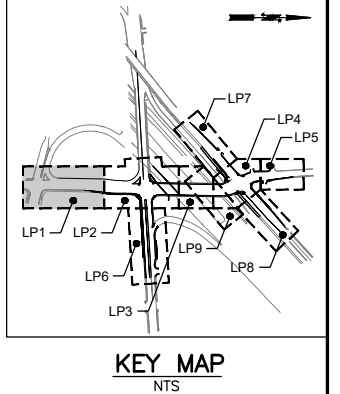
Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Checked By	V. WEN
Checked By	V. WEN	Approved By	V. WEN
Approved By	V. WEN	Date	5/2023

SCALE	1"=20'
Horiz	1"=20'
Vert	NONE
Project Number	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
LANDSCAPE PLAN

Drawing No.	LP10
Sheet No.	X of Total

CONSTRUCTION NOTES:
 1. SEE SHEET IR10 FOR LEGEND, NOTES, AND DETAILS.



BEGIN PROJECT
STA 102+00

POPLAR WAY STA 102+68.78=
PW-N RAMP STA 506+65.54

MATCH LINE STA 108+00, SEE DWG. NO. IR2

PLACE VALVES IN PLANTING AREA,
TYPICAL, SHOWN SCHEMATICALLY
IN PAVEMENT FOR CLARITY ONLY.

PUBLIC SYSTEM MAIN, LOCATE IN
ROW. SHOWN SCHEMATICALLY ON
PLAN SHEETS.

ROW BOUNDARY
LINE, TYPICAL

NEW METER AND POC FOR PUBLIC
SYSTEM ON CONTROLLER 'A'

SLEEVE (TYPICAL)

LOCATE VALVE IN
ROW PLANTING AREA

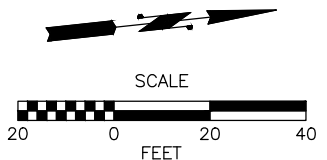
PUBLIC SYSTEM MAIN
(LOCATE NEXT TO WALL IN ROW)

NEW SLEEVE, TYPICAL

PRIVATE SYSTEM MAIN
(LOCATE NEXT TO ROW LINE
INSIDE OF LOWES PROPERTY)



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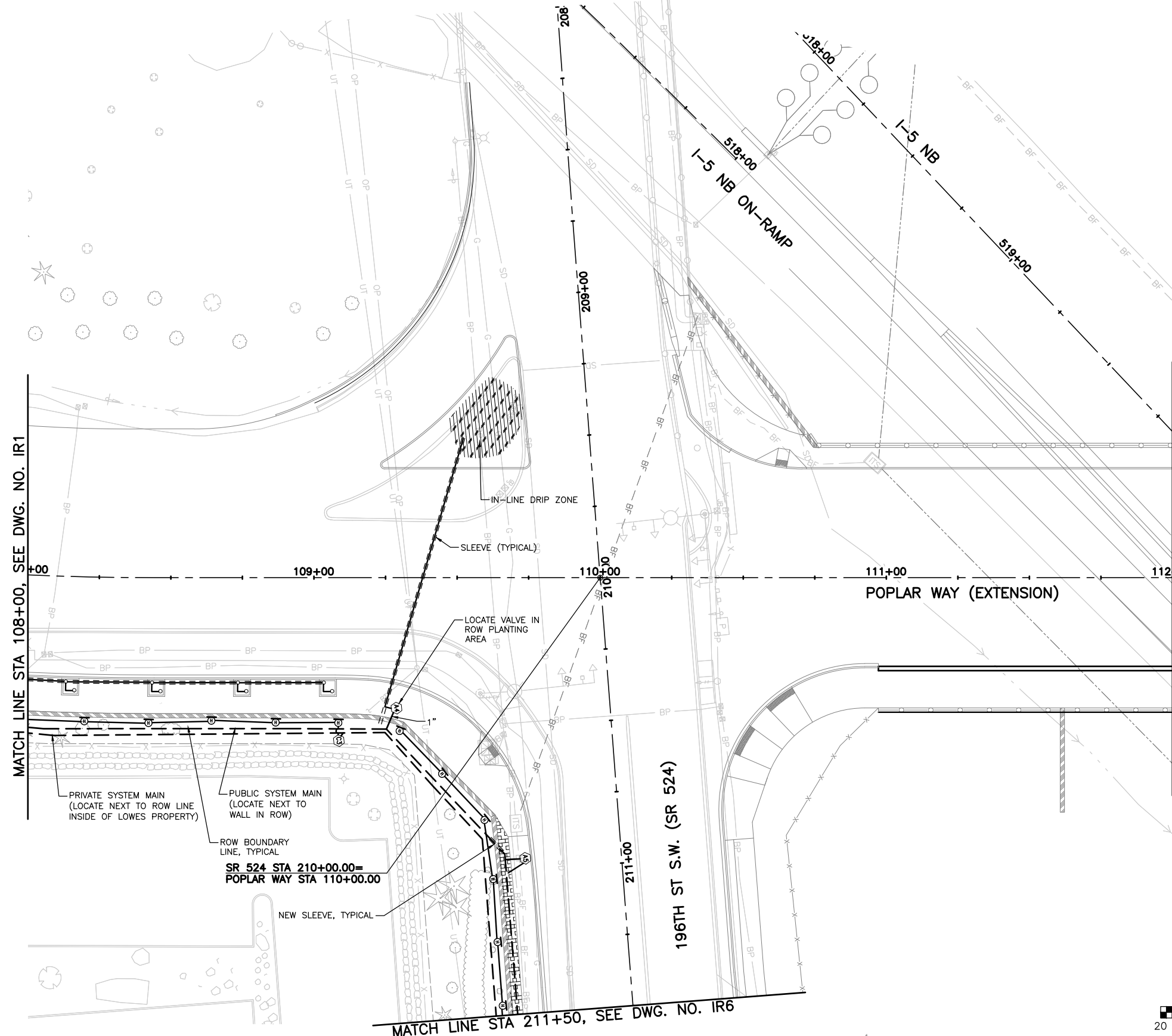
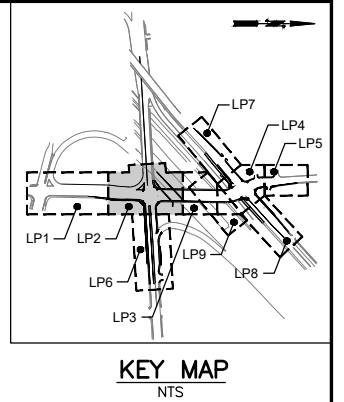
JASON TODD WALKER
REGISTERED
LANDSCAPE ARCHITECT
CERTIFICATE NO. 766

Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Checked By	V. WEN
Checked By	V. WEN	Approved By	V. WEN
Project Number	20100156		

SCALE	1"=20'
Horiz	NONE
Vert	NONE

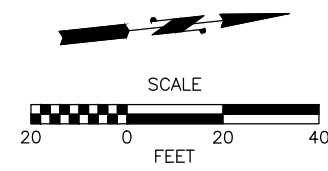
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
B.O.P. TO STA 108+00
IRRIGATION PLAN

Drawing No.	IR1
Sheet No.	X
of Total	X



CONSTRUCTION NOTES:

1. SEE SHEET IR10 FOR LEGEND, NOTES, AND DETAILS.



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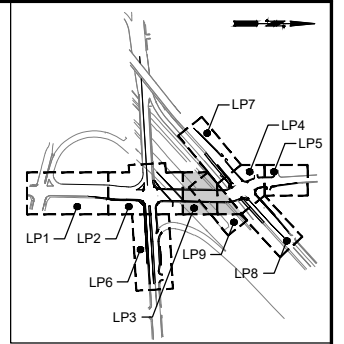
STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
JASON TODD WALKER
CERTIFICATE NO. 756

Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	5/2023	
Checked By	V. WEN	5/2023	
Approved By	V. WEN	5/2023	

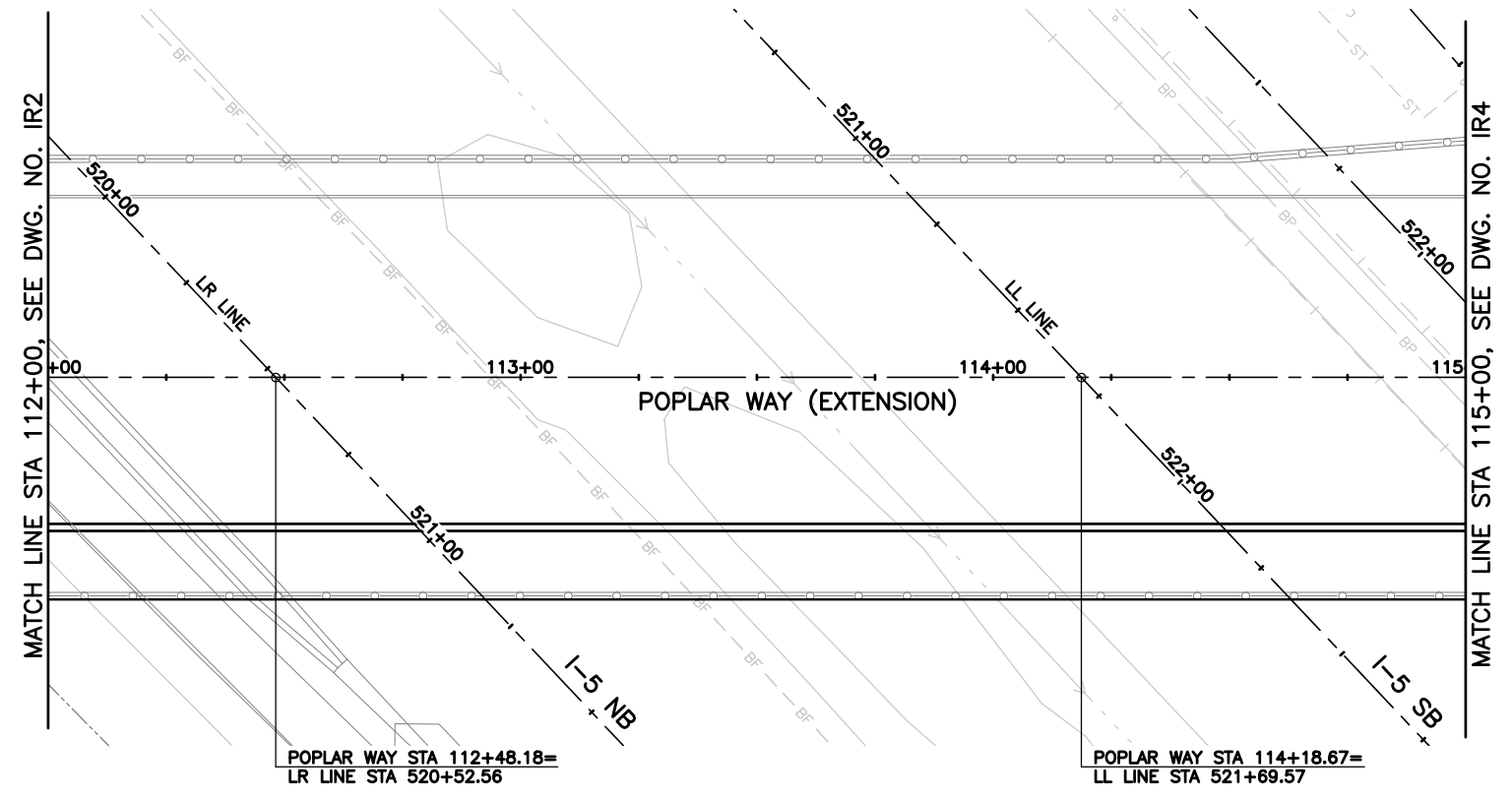
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Horiz	NONE
Vert	NONE
Project Number	20100156

CITY OF LYNNWOOD
**POPLAR WAY EXTENSION BRIDGE
STA 108+00 TO STA 112+00
IRRIGATION PLAN**

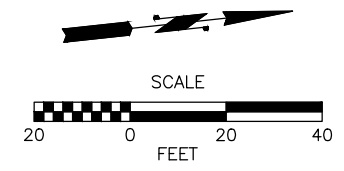
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Sheet No.	X
of Total	X



KEY MAP
NTS



- GENERAL NOTES:**
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 2. SEE SPECIFICATIONS FOR WATERING REQUIREMENTS FOR PLANT ESTABLISHMENT.



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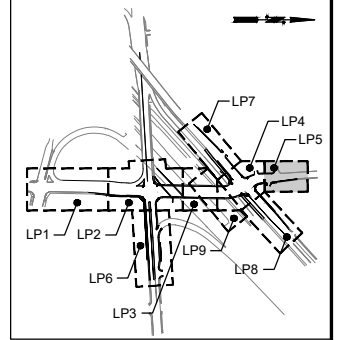
Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Checked By	V. WEN
Checked By	V. WEN	Approved By	V. WEN
Project Number	20100156		

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Vert	NONE

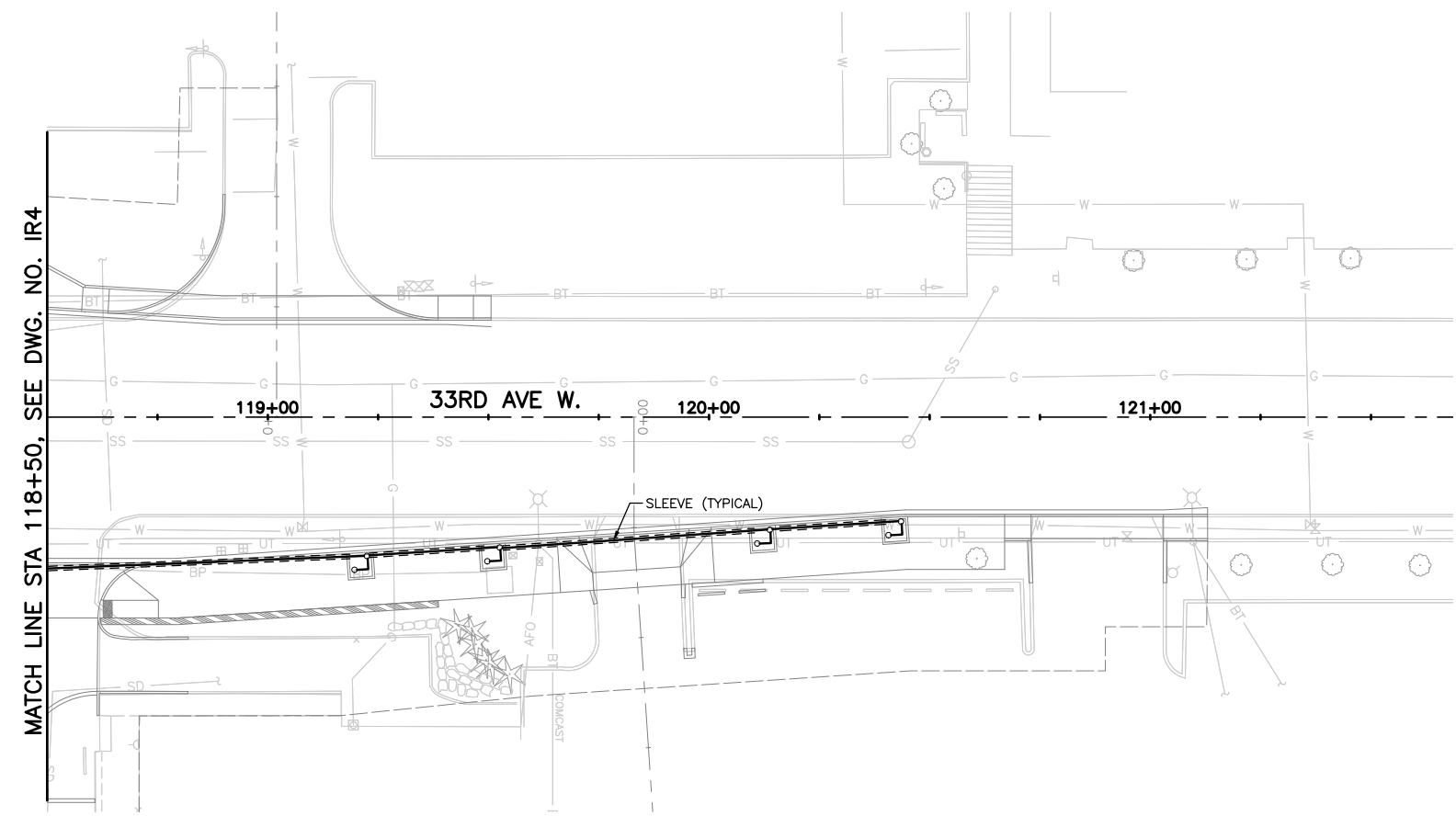
CITY OF LYNNWOOD
**POPLAR WAY EXTENSION BRIDGE
STA 112+00 TO STA 115+00
IRRIGATION PLAN**

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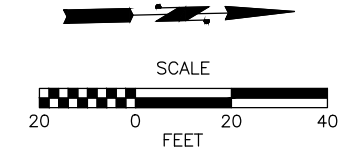
KEY MAP
NTS



CONSTRUCTION NOTES:

1. SEE SHEET IR10 FOR LEGEND, NOTES, AND DETAILS.
2. SEE SPEC FOR RESTORATION OF IRRIGATION AND EXTENSION OF EXISTING IRRIGATION TO PLANTING AREAS AT COMMERCIAL PROPERTIES.

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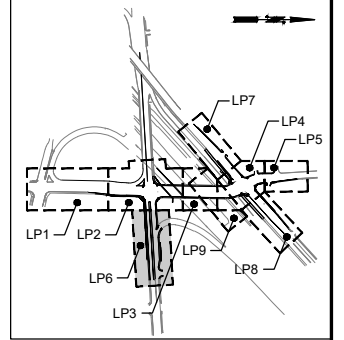
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Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Date	5/2023
Checked By	V. WEN	Date	5/2023
Approved By	V. WEN	Date	5/2023

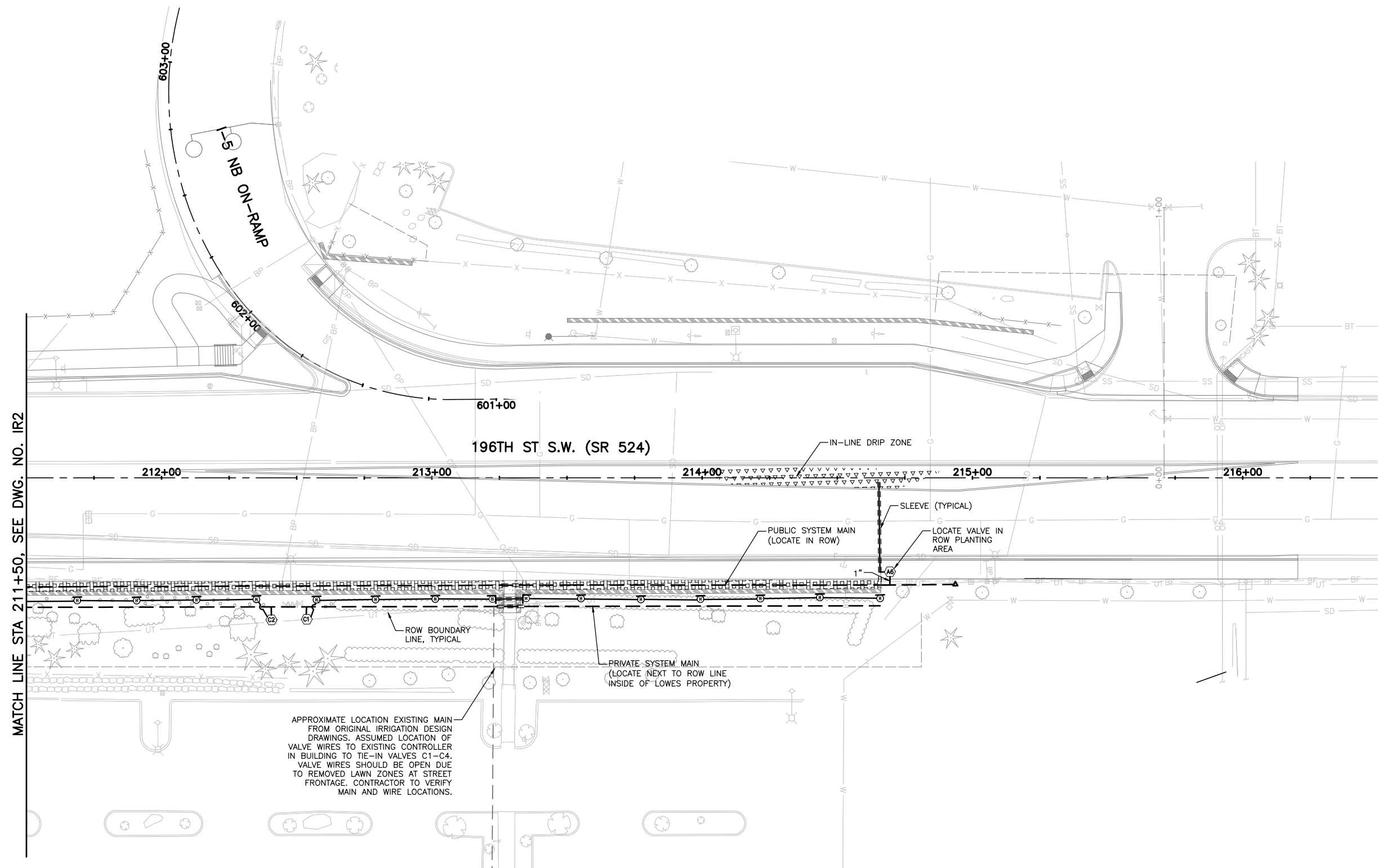
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Project Number 20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
STA 118+50 TO E.O.P.
IRRIGATION PLAN

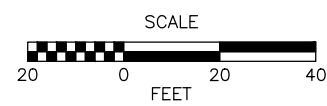
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KEY MAP
NTS



CONSTRUCTION NOTES:
1. SEE SHEET IR10 FOR LEGEND, NOTES, AND DETAILS.



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MATCH LINE STA 211+50, SEE DWG. NO. IR2

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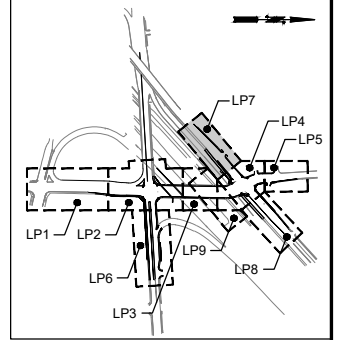
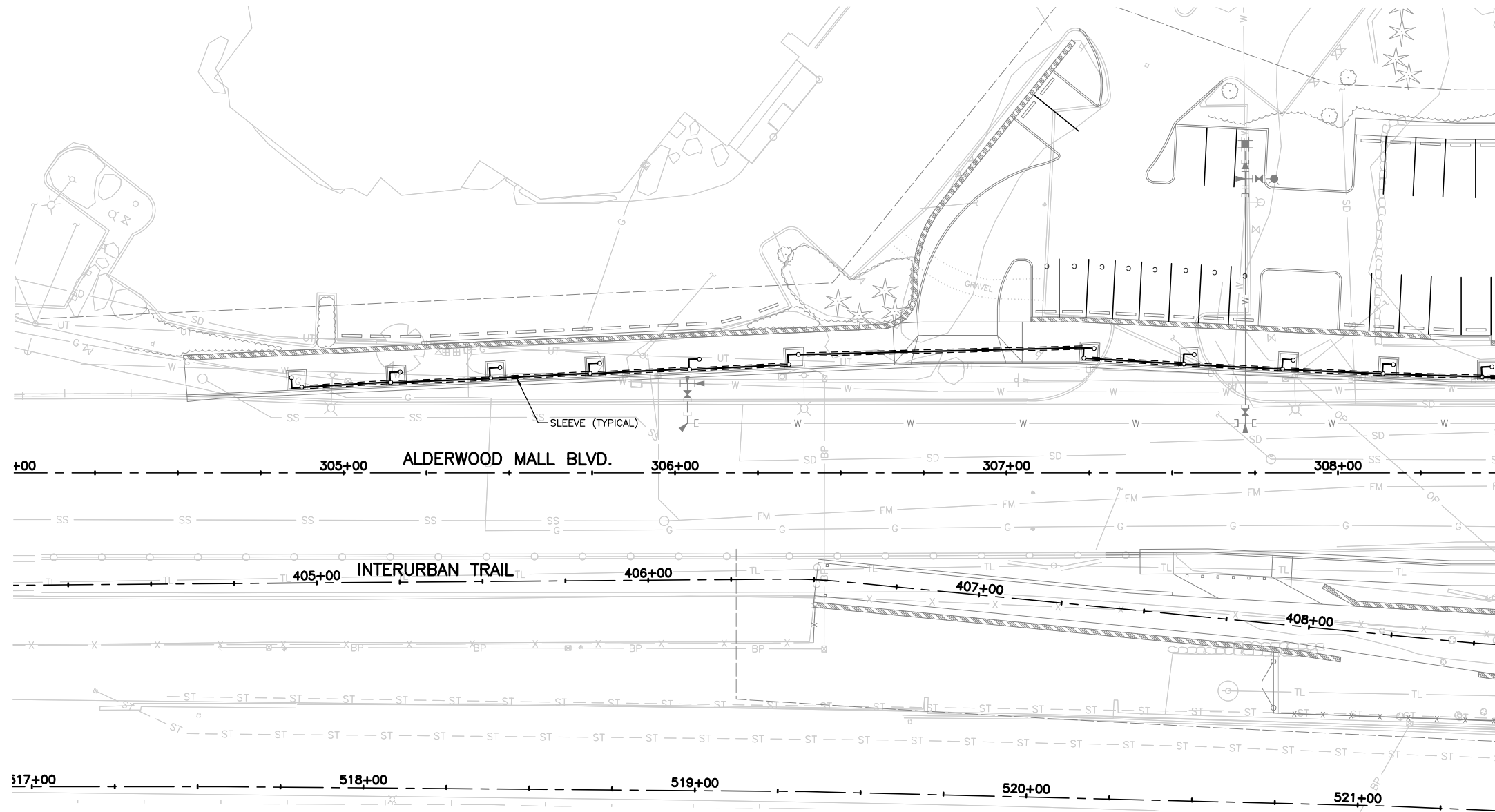
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CERTIFICATE NO. 766

Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Date	5/2023
Checked By	V. WEN	Date	5/2023
Approved By	V. WEN	Date	5/2023

SCALE	Horiz 1"=20'
Vert	NONE
Project Number	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
STA 211+50 TO STA E.O.P.
IRRIGATION PLAN

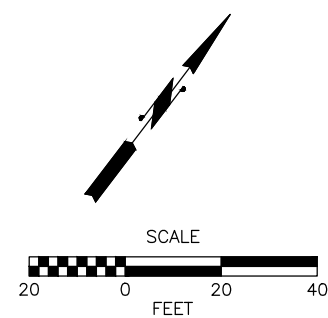
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of Total	X



KEY MAP
NTS

CONSTRUCTION NOTES:

1. SEE SHEET IR10 FOR LEGEND, NOTES, AND DETAILS.
2. SEE SPEC FOR RESTORATION OF IRRIGATION AND EXTENSION OF EXISTING IRRIGATION TO NEW PLANTING AREAS AT COMMERCIAL PROPERTIES.



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JASON TODD WALKER
CERTIFICATE NO. 766

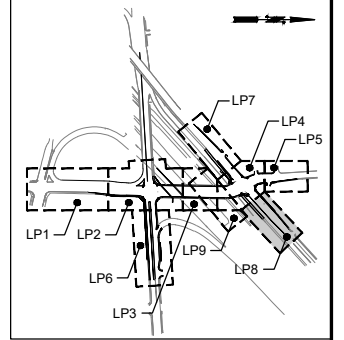
Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Date	5/2023
Checked By	V. WEN	Date	5/2023
Approved By	V. WEN	Date	5/2023

SCALE	1"=20'
Horiz	NONE
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Project Number	20100156

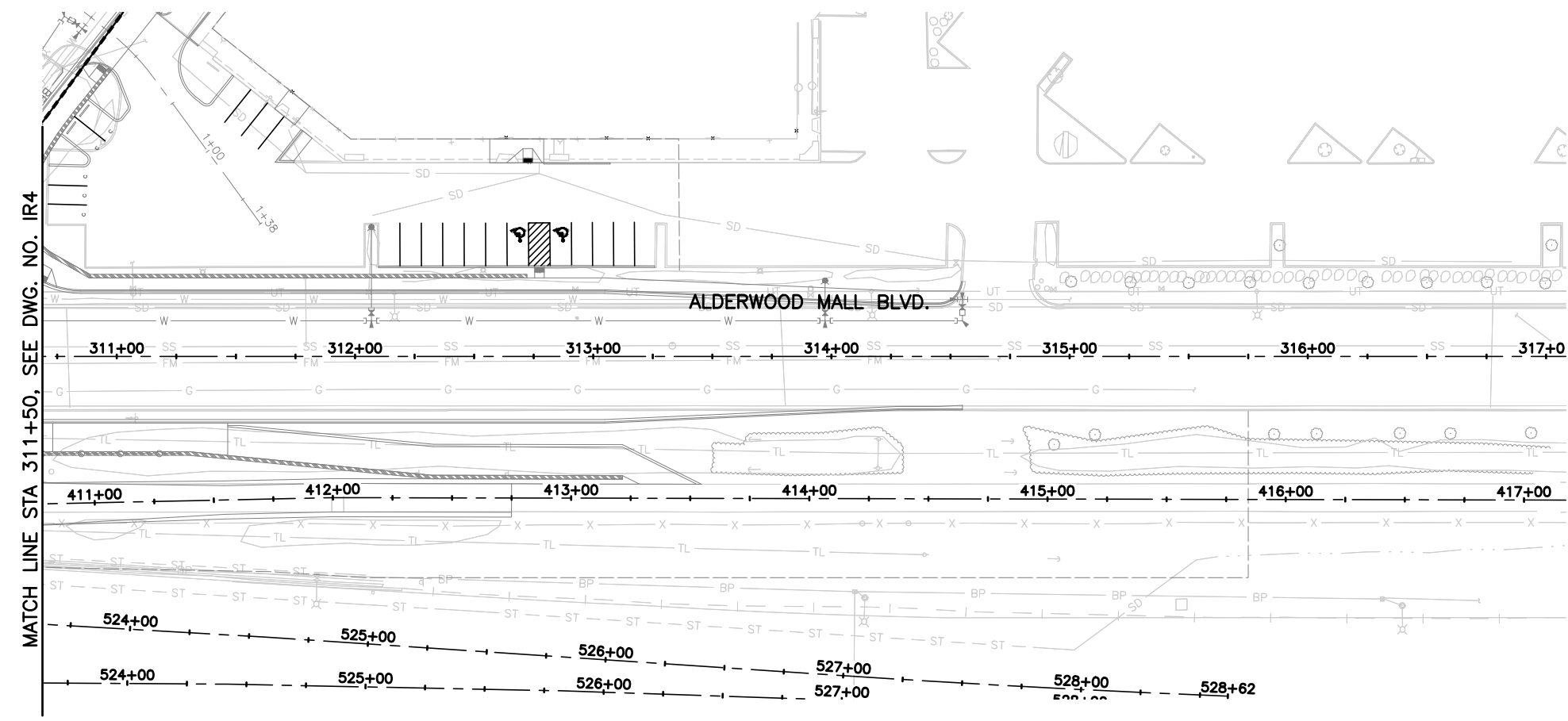
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
B.O.P. TO STA 308+50
IRRIGATION PLAN

Drawing No.	IR7
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of Total	X

No.	Date	Revision	By	Appr.



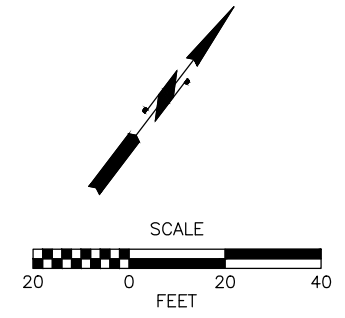
KEY MAP
NTS



GENERAL NOTES:

1. NO AUTOMATIC IRRIGATION THIS SHEET
2. SEE SPECIFICATIONS FOR WATERING REQUIREMENTS FOR PLANT ESTABLISHMENT.
3. SEE SPEC FOR RESTORATION OF IRRIGATION AND EXTENSION OF EXISTING IRRIGATION TO PLANTING AREAS AT COMMERCIAL PROPERTIES.

MATCH LINE STA 311+50, SEE DWG. NO. IR4



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Designed By	E. BORGES	Checked By	V. WEN
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Project Number	20100156		

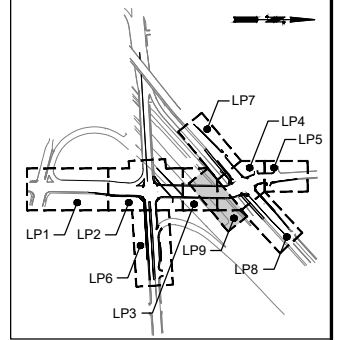
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CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
STA 311+50 TO E.O.P.
IRRIGATION PLAN

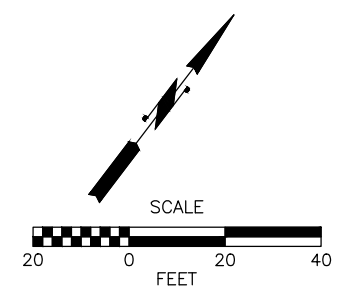
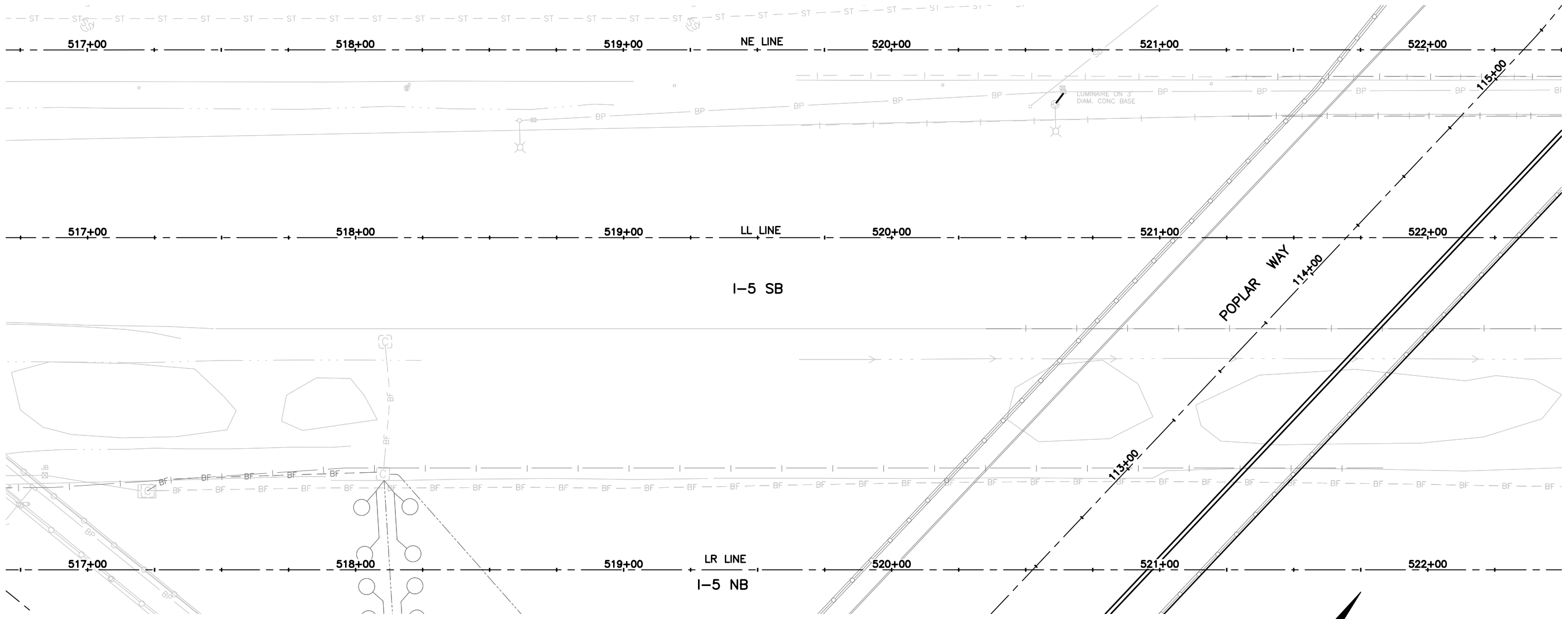
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Sheet No.	X
of Total	X

GENERAL NOTES:

1. NO AUTOMATIC IRRIGATION THIS SHEET
2. SEE SPECIFICATIONS FOR WATERING REQUIREMENTS FOR PLANT ESTABLISHMENT.



KEY MAP
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Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Date	5/2023
Checked By	V. WEN	Date	5/2023
Approved By	V. WEN	Date	5/2023

SCALE	1"=20'
Horiz	NONE
Vert	NONE
Project Number	20100156

CITY OF LYNNWOOD
**POPLAR WAY EXTENSION BRIDGE
I-5 GUARDRAIL PLAN
IRRIGATION PLAN**

Drawing No.	IR9
Sheet No.	X
of Total	X

IRRIGATION GENERAL NOTES

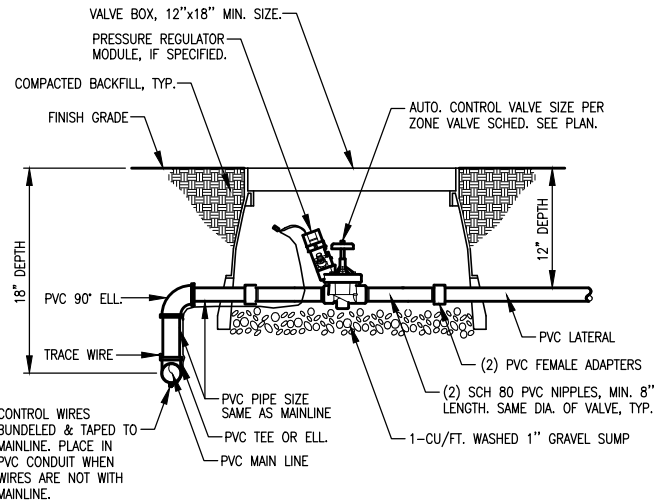
- GENERAL CONTRACTOR AND LANDSCAPE CONTRACTOR TO COORDINATE:
 - PROTECTION OF SITE, INCLUDING: LOCATING ALL EXISTING AND NEW UNDERGROUND UTILITY LINES PRIOR TO ANY CONSTRUCTION, SAVING AND PROTECTING EXISTING TREES DESIGNATED TO REMAIN, REPAIRING ANY DAMAGE DONE TO CURBING, SIDEWALKS, FENCES, AND ANY OTHER DAMAGE CAUSED AS A RESULT OF THIS CONTRACT.
 - INSTALL 110V ELECTRICAL SERVICE FROM ELECTRICAL SOURCE TO NEW AUTOMATIC CONTROLLERS, INCLUDING WIRE HOOK-UP INTO MOUNTED CONTROLLER. IRRIGATION CONTRACTOR WILL MOUNT CONTROLLER IN CABINET AND COORDINATE WITH GENERAL CONTRACTOR.
 - INSTALLATION OF IRRIGATION/SERVICE METER AND STUB TO NEW IRRIGATION POINTS OF CONNECTION, PER UTILITY PLAN(S) AND PURSUANT TO WATER DISTRICT REQUIREMENTS.
 - PROVISION OF STANDARD THREADED STUB-OUT WITH THREADED CAP ON DISCHARGE SIDE OF NEW METERS. STUB-OUT TO BE INSTALLED APPROXIMATELY 18 INCHES BELOW FINISHED GRADE.
 - VERIFICATION OF STATIC WATER PRESSURE AT POINT-OF-CONNECTION (P.O.C.) CONTRACTOR SHALL NOTIFY ENGINEER OF STATIC PRESSURE AND ADVISE IF SYSTEM PRV IS NECESSARY.
 - INSTALLATION OF ALL NECESSARY SLEEVING TO BE COORDINATED BETWEEN IRRIGATION CONTRACTOR AND GENERAL CONTRACTOR.
- CONTROLLER FOR THE LOWES SITE IS EXISTING AND LOCATED IN MECHANICAL ROOM. ALL EXISTING ZONES WHERE PLANTING AREAS ARE NOT REMOVED FOR NEW STREET AND SIDEWALK CONSTRUCTION SHALL BE RESTORED IN EXISTING, AND ASSUMED OPERABLE, CONDITION. CONTRACTOR SHALL BUDGET FOR REPAIRS FOR DAMAGE AND CAPPING/REMOVAL OF SOME SYSTEM COMPONENTS ALONG THE NEW ROW IMPROVEMENTS. CONTRACTOR SHALL PERFORM A SYSTEM CHECK OF EXISTING LOWES IRRIGATION AND SHALL HAVE ALL ZONES OPERABLE UPON COMPLETION OF PROJECT.
- SYSTEM HAS BEEN DESIGNED FOR MAX. 30 GPM AT 35 PSI AT THE FURTHEST NOZZLE. VERIFY ADEQUATE STATIC PRESSURE SETTING AT SYSTEM PRV FOR OPTIMAL SYSTEM PERFORMANCE.
- PRIOR TO INITIATION OF WORK CONTRACTOR SHALL VERIFY ALL WORK TO BE DONE PER LOCAL CODE AND PER MANUFACTURER'S SPECIFICATIONS.
- SET VALVE BOXES FLUSH WITH FINISHED GRADES IN PLANTING AREAS.
- PIPES FOR LATERAL LINES SHALL BE SIZED BY CONTRACTOR IN DECREASING DOWNSTREAM ORDER (PER RAIN BIRD DESIGN STANDARDS).
- LINE POSITIONING IS DIAGRAMMATIC ON PLAN. ADJUST IN FIELD AS NECESSARY FOR ADEQUATE COVERAGE. COORDINATE WITH LANDSCAPE PLANS. VALVES SHALL BE POSITIONED ADJACENT TO CURBS, IN SHRUB BEDS WHERE POSSIBLE. FOR SCHEMATIC CLARITY, MAIN AND LATERAL LINE SYMBOLS ON PLANS MAY BE INDICATED AT PAVEMENT, AND ADJACENT AND PARALLEL TO PLANTING AREAS, AND OUTSIDE OF LOT LINES. LINES SHOWN FOR CLARITY IN THESE AREAS ARE TO BE PLACED IN ADJACENT PLANTING AREAS, WITHIN THE PROJECT SITE.
- PROVIDE OWNER WITH TWO (2) SETS OF AS-BUILT DRAWINGS AND OPERATOR'S MANUAL UPON COMPLETION. INSTRUCT OWNER AS TO PROPER WINTERIZATION OF IRRIGATION SYSTEM (BLOW OUT).
- FAMILIARIZE FACILITY OPERATOR(S) WITH IRRIGATION SYSTEM FUNCTION, CONTROLLER PROGRAMMING, SYSTEM OPERATION AND MAINTENANCE REQUIREMENTS FOR PUBLIC AND PRIVATE SYSTEMS UNDER THIS CONTRACT.
- ALL CONTROL WIRE SPLICES SHALL BE MADE IN VALVE BOXES.
- ALL ELECTRICAL EQUIPMENT SHALL BE U.L. TESTED AND APPROVED, AND SHALL BEAR THE U.L. LABEL.
- PROVIDE MANUAL SHUT-OFF VALVE TO LATERAL LINES TO ISLAND PLANTERS IN 6 INCH DIAMETER VALVE BOX NEAR MAIN CONNECTION.
- CROSS CONNECTION PROTECTION INSPECTION REQUIRED FOR ALL IRRIGATION SYSTEMS UNDER THIS CONTRACT. BACKFLOW DEVICES SHALL BE TESTED UPON INSTALLATION OR REINSTATEMENT OF OPERATION. A PERSON HOLDING A CURRENT CERTIFICATE AS A BACKFLOW TESTER SHALL PERFORM THE TESTING. THE TEST REPORT SHALL BE SUBMITTED TO THE LOCAL WATER DISTRICT AND OWNER. CONTRACTOR SHALL INCLUDE TESTING IN THE SCOPE OF WORK. OWNER IS RESPONSIBLE FOR ANNUAL INSPECTIONS AFTER THE INITIAL INSPECTION.
- CONTRACTOR SHALL PROVIDE SYSTEM WINTERIZATION/SPRING SERVICE WHEN INSTALLATION HAS BEEN COMPLETED WITHIN 90 DAYS OF NOVEMBER 1 FOR WINTERIZATION, OR MAY 15 FOR SPRING SERVICE. SERVICE TO BE PERFORMED AS NEAR AS PRACTICAL TO THE ABOVE DATES, OR AS FREEZE/PRECIPITATION CONDITIONS DETERMINE SERVICE NEED.
- PROVIDE AUTOMATIC RAIN SHUT-OFFS FOR EACH NEW CONTROLLER.
- IRRIGATION CONTRACTOR TO PROVIDE A ONE YEAR WARRANTY AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR ALL WORK PERFORMED AND OR NEW DEVICES INSTALLED.
- SEE SPECIFICATIONS

IRRIGATION PARTS LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER/NOTES
☐	IRRIGATION METER	1" INSTALLED PER WATER APPLICATION PROCESS. (METER BY MECHANICAL ALL DOWNSTREAM COMPONENTS BY IRRIGATION CONTRACTOR).
☒	NEW CONTROLLER IN ROW (LOCATION VERIFIED BY ENGINEER)	RAIN BIRD ESP SERIES 4 ZONE CONTROLLER GENERAL TO PROVIDE POWER SOURCE IN CONDUIT PROVIDE PEDESTAL ENCLOSURE
✕	P.O.C.	P.O.C TO INCLUDE: DVCA AND QCV
Ⓜ	ELECTRONIC CONTROL VALVE WITH DRIP KIT	RAIN BIRD XCZ-075(COM) KIT FOR EACH DRIP ZONE
▲	QUICK COUPLER	RAINBIRD 33DRC W/ KEY AT POC AND END OF MAINS
○	DRIP BUBBLER	RAIN BIRD XERIGATION BUBBLERS (2 PER TREE WELL ON SPIKES) SBX-180-1032 (13 GPH @ 30 PSI)
⊗	ROTOR HEAD AND NOZZLE	HUNTER PGP ULTRA 12" WITH 1.5 BLUE NOZZLE 22' RAIDUS AT APPROX 35 PSI, 1.4 GMP 1-1/2" SIZE - SCH. 40 PVC BELL PIPE
---	MAINLINE	CLASS 200 PVC BELL PIPE, 3/4" FOR ENTIRE DRIP ZONE
---	LATERAL LINE	SEE SPEC
---	SLEEVE	SEE SPEC

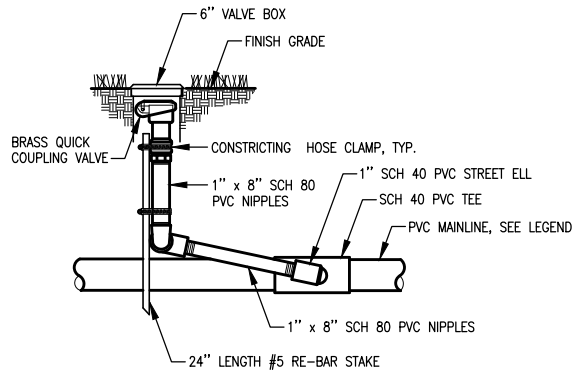
ZONE SCHEDULE

ZONE	SIZE	GPM	AREA	TYPE	NOTES
A1	1"	4.7	NA	TREE WELL DRIP ZONE	SEE SPEC
A2	1"	1.5	790 SF.	IN-LINE DRIP ZONE	527 LINEAL FEET OF NETAFIM TECHLINE TUBING, 18" DRIPPER SPACING. 18" O.C. TUBE SPACING, DRIPPER FLOW RATE 0.6 GPH
A3	1"	3.9	NA	TREE WELL DRIP ZONE	SEE SPEC
A4	1"	1.5	515 SF.	IN-LINE DRIP ZONE	333 LINEAL FEET OF NETAFIM TECHLINE TUBING, 18" DRIPPER SPACING. 18" O.C. TUBE SPACING, DRIPPER FLOW RATE 0.4 GPH
A5	1"	1.5	1362 SF.	IN-LINE DRIP ZONE	908 LINEAL FEET OF NETAFIM TECHLINE TUBING, 18" DRIPPER SPACING. 18" O.C. TUBE SPACING, DRIPPER FLOW RATE 0.6 GPH
A6	1"	1.5	500 SF.	IN-LINE DRIP ZONE	333 LINEAL FEET OF NETAFIM TECHLINE TUBING, 18" DRIPPER SPACING. 18" O.C. TUBE SPACING, DRIPPER FLOW RATE 0.4 GPH
B1	1"	5.6	NA	TREE WELL DRIP ZONE	SEE SPEC
B2	1"	5.2	NA	TREE WELL DRIP ZONE	SEE SPEC
B3	OPEN	NA	NA	TREE WELL DRIP ZONE	SEE SPEC
B4	OPEN	NA	NA	TREE WELL DRIP ZONE	SEE SPEC
B1	1.5"	15.4	NA	LOWES FRONTAGE ZONE	SEE SPEC
B2	1.5"	14.0	NA	LOWES FRONTAGE ZONE	SEE SPEC
B3	1.5"	18.2	NA	LOWES FRONTAGE ZONE	SEE SPEC
B3	1.5"	21.0	NA	LOWES FRONTAGE ZONE	SEE SPEC



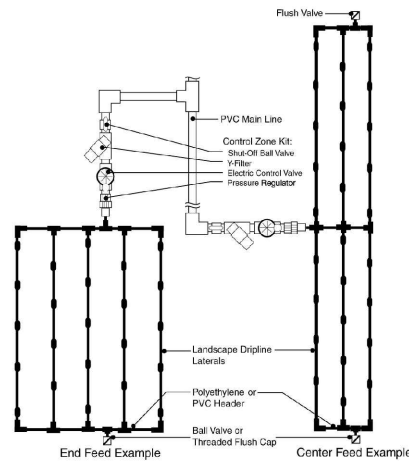
AUTOMATIC CONTROL VALVE DETAIL

N.T.S.



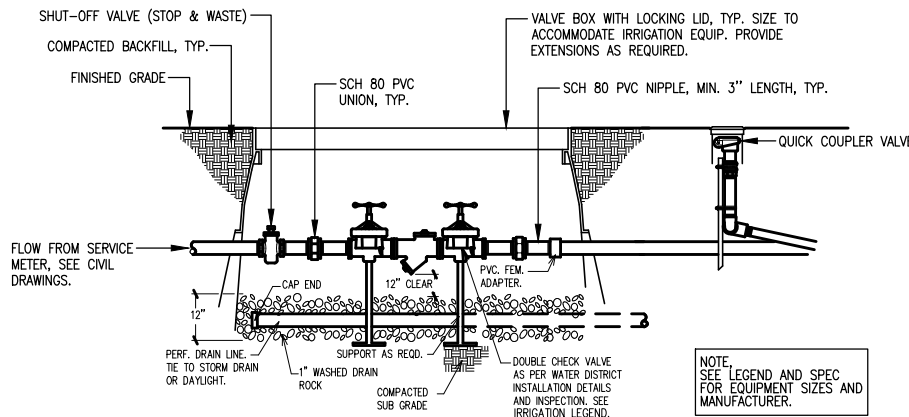
QUICK COUPLER VALVE (QCV) DETAIL

N.T.S.



TYPICAL IN-LINE DRIP ZONE DETAIL

N.T.S.



DVCA CONNECTION ASSEMBLY

N.T.S.



Know what's below. Call before you dig.

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STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
JASON TODD WALKER
CERTIFICATE NO. 766

Drawn By S. DELAVARPOUR	Date 5/2023
Designed By E. BORGES	Date 5/2023
Checked By V. WEN	Date 5/2023
Approved By V. WEN	Date 5/2023

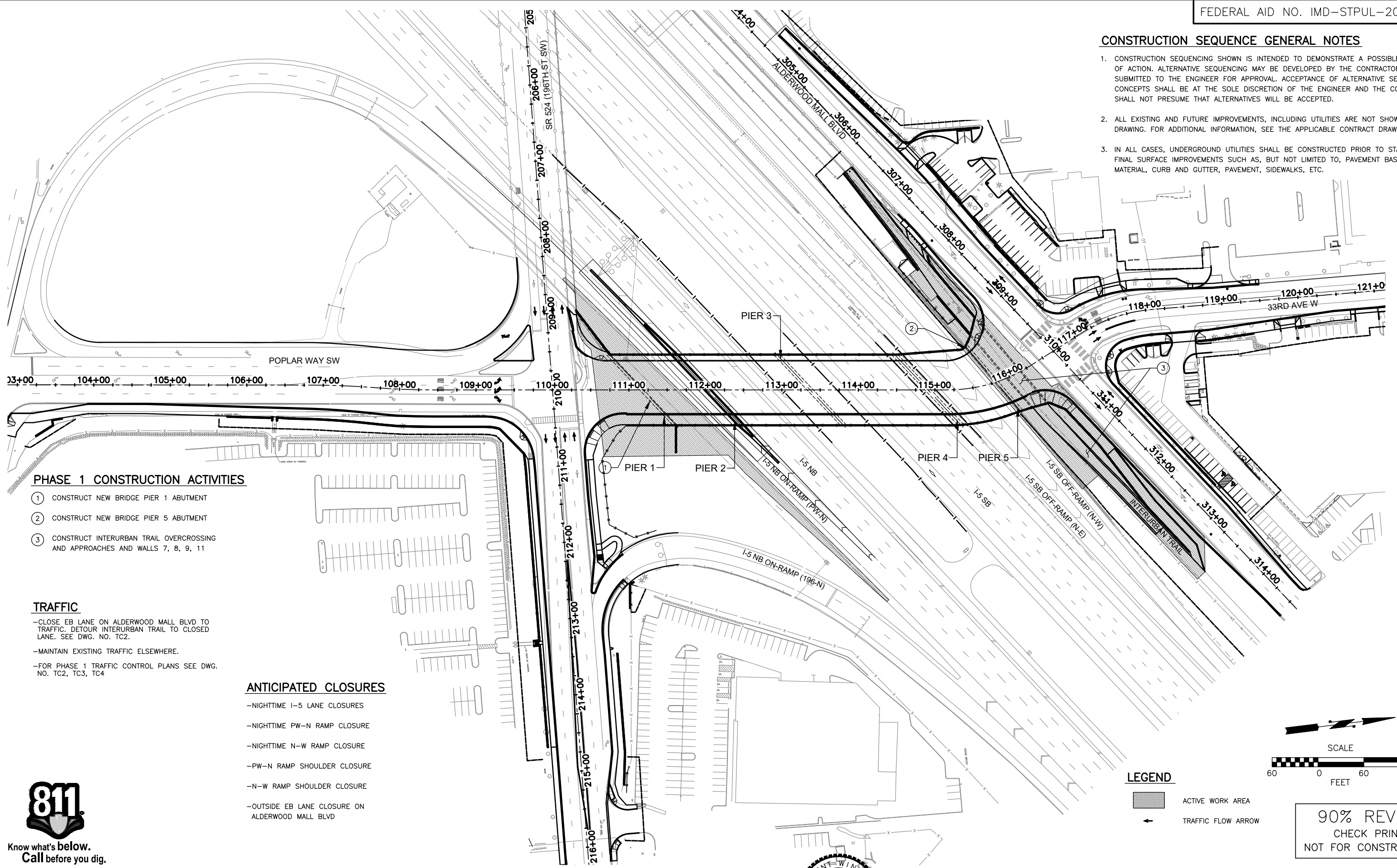
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Horiz	NONE
Vert	NONE
Project Number	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
IRRIGATION PLAN

Drawing No. IR10
Sheet No. X
of Total X

CONSTRUCTION SEQUENCE GENERAL NOTES

1. CONSTRUCTION SEQUENCING SHOWN IS INTENDED TO DEMONSTRATE A POSSIBLE COURSE OF ACTION. ALTERNATIVE SEQUENCING MAY BE DEVELOPED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL. ACCEPTANCE OF ALTERNATIVE SEQUENCING CONCEPTS SHALL BE AT THE SOLE DISCRETION OF THE ENGINEER AND THE CONTRACTOR SHALL NOT PRESUME THAT ALTERNATIVES WILL BE ACCEPTED.
2. ALL EXISTING AND FUTURE IMPROVEMENTS, INCLUDING UTILITIES ARE NOT SHOWN ON THIS DRAWING. FOR ADDITIONAL INFORMATION, SEE THE APPLICABLE CONTRACT DRAWINGS.
3. IN ALL CASES, UNDERGROUND UTILITIES SHALL BE CONSTRUCTED PRIOR TO START OF FINAL SURFACE IMPROVEMENTS SUCH AS, BUT NOT LIMITED TO, PAVEMENT BASE MATERIAL, CURB AND GUTTER, PAVEMENT, SIDEWALKS, ETC.



PHASE 1 CONSTRUCTION ACTIVITIES

1. CONSTRUCT NEW BRIDGE PIER 1 ABUTMENT
2. CONSTRUCT NEW BRIDGE PIER 5 ABUTMENT
3. CONSTRUCT INTERURBAN TRAIL OVERCROSSING AND APPROACHES AND WALLS 7, 8, 9, 11

TRAFFIC

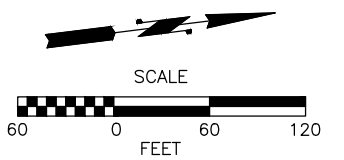
-CLOSE EB LANE ON ALDERWOOD MALL BLVD TO TRAFFIC. DETOUR INTERURBAN TRAIL TO CLOSED LANE. SEE DWG. NO. TC2.
 -MAINTAIN EXISTING TRAFFIC ELSEWHERE.
 -FOR PHASE 1 TRAFFIC CONTROL PLANS SEE DWG. NO. TC2, TC3, TC4

ANTICIPATED CLOSURES

- NIGHTTIME I-5 LANE CLOSURES
- NIGHTTIME PW-N RAMP CLOSURE
- NIGHTTIME N-W RAMP CLOSURE
- PW-N RAMP SHOULDER CLOSURE
- N-W RAMP SHOULDER CLOSURE
- OUTSIDE EB LANE CLOSURE ON ALDERWOOD MALL BLVD

LEGEND

- ACTIVE WORK AREA
- TRAFFIC FLOW ARROW



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 sean.delavarpour
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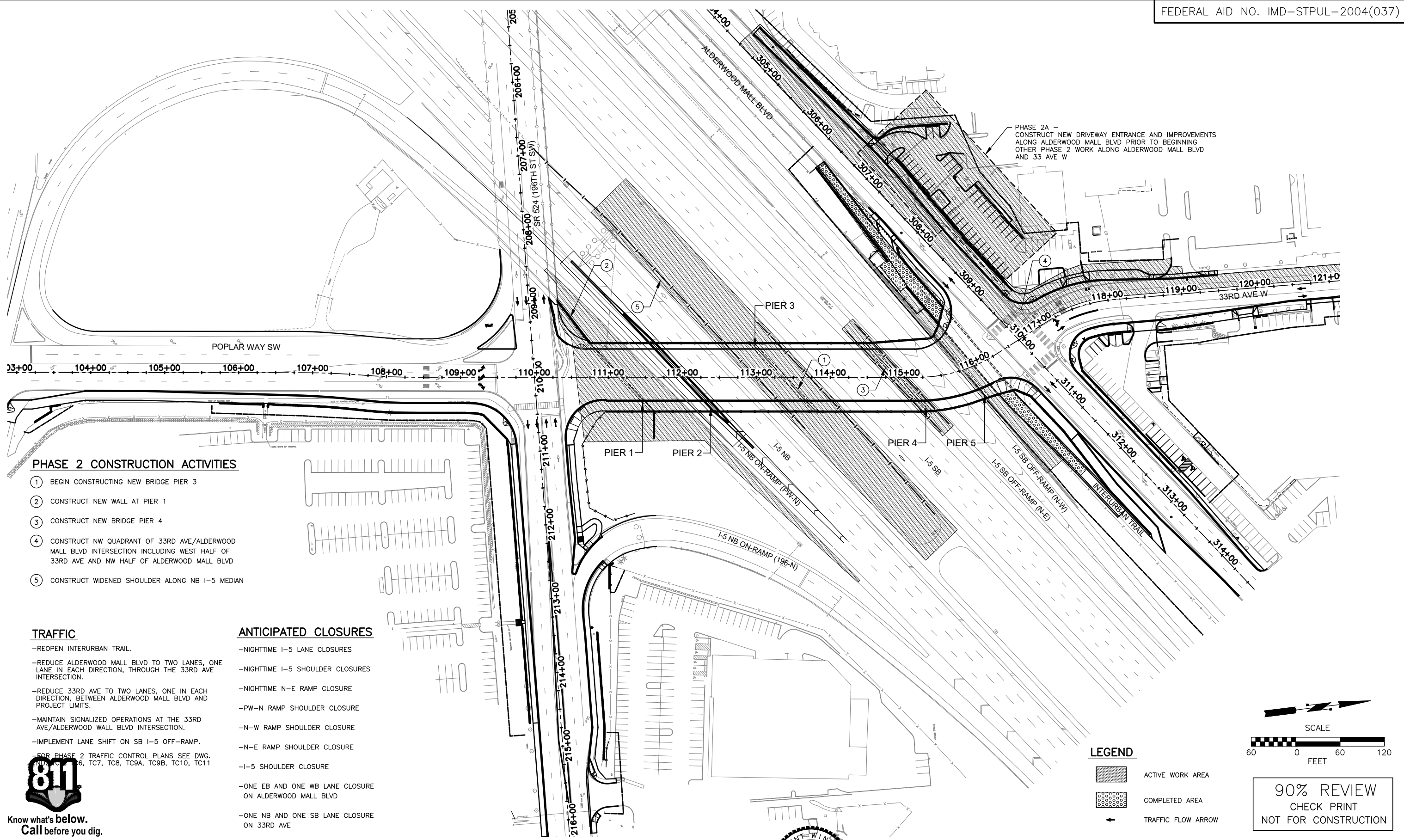


Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES		5/2023
Checked By	V. WEN		5/2023
Approved By	V. WEN		5/2023

SCALE	1"=60'
Horiz	1"=60'
Vert	N/A
Project Number	20100156

CITY OF LYNNWOOD
 POPLAR WAY EXTENSION BRIDGE
 PHASE 1
CONSTRUCTION SEQUENCING PLAN

Drawing No.	CS1
Sheet No.	X
of Total	X



PHASE 2A -
CONSTRUCT NEW DRIVEWAY ENTRANCE AND IMPROVEMENTS
ALONG ALDERWOOD MALL BLVD PRIOR TO BEGINNING
OTHER PHASE 2 WORK ALONG ALDERWOOD MALL BLVD
AND 33 AVE W

PHASE 2 CONSTRUCTION ACTIVITIES

- ① BEGIN CONSTRUCTING NEW BRIDGE PIER 3
- ② CONSTRUCT NEW WALL AT PIER 1
- ③ CONSTRUCT NEW BRIDGE PIER 4
- ④ CONSTRUCT NW QUADRANT OF 33RD AVE/ALDERWOOD MALL BLVD INTERSECTION INCLUDING WEST HALF OF 33RD AVE AND NW HALF OF ALDERWOOD MALL BLVD
- ⑤ CONSTRUCT WIDENED SHOULDER ALONG NB I-5 MEDIAN

TRAFFIC

- REOPEN INTERURBAN TRAIL.
- REDUCE ALDERWOOD MALL BLVD TO TWO LANES, ONE LANE IN EACH DIRECTION, THROUGH THE 33RD AVE INTERSECTION.
- REDUCE 33RD AVE TO TWO LANES, ONE IN EACH DIRECTION, BETWEEN ALDERWOOD MALL BLVD AND PROJECT LIMITS.
- MAINTAIN SIGNALIZED OPERATIONS AT THE 33RD AVE/ALDERWOOD WALL BLVD INTERSECTION.
- IMPLEMENT LANE SHIFT ON SB I-5 OFF-RAMP.
- FOR PHASE 2 TRAFFIC CONTROL PLANS SEE DWG. NO. 20100156-06, TC7, TC8, TC9A, TC9B, TC10, TC11

ANTICIPATED CLOSURES

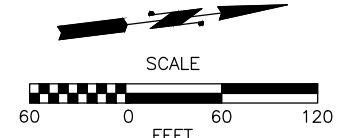
- NIGHTTIME I-5 LANE CLOSURES
- NIGHTTIME I-5 SHOULDER CLOSURES
- NIGHTTIME N-E RAMP CLOSURE
- PW-N RAMP SHOULDER CLOSURE
- N-W RAMP SHOULDER CLOSURE
- N-E RAMP SHOULDER CLOSURE
- I-5 SHOULDER CLOSURE
- ONE EB AND ONE WB LANE CLOSURE ON ALDERWOOD MALL BLVD
- ONE NB AND ONE SB LANE CLOSURE ON 33RD AVE



Know what's below.
Call before you dig.

LEGEND

- ACTIVE WORK AREA
- COMPLETED AREA
- TRAFFIC FLOW ARROW



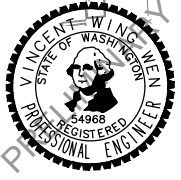
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NOT FOR CONSTRUCTION

May 10, 2023 11:08am senn.delavarpour X:\Lynnwood_City of\Projects\20100156 - Poplar Way Extension Bridge\CADD_v.2014\Plan Sheets\20100156 CS.dwg Layout Name: CS2

No.	Date	Revision	By	Appr.

PERTEET
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LYNNWOOD WASHINGTON

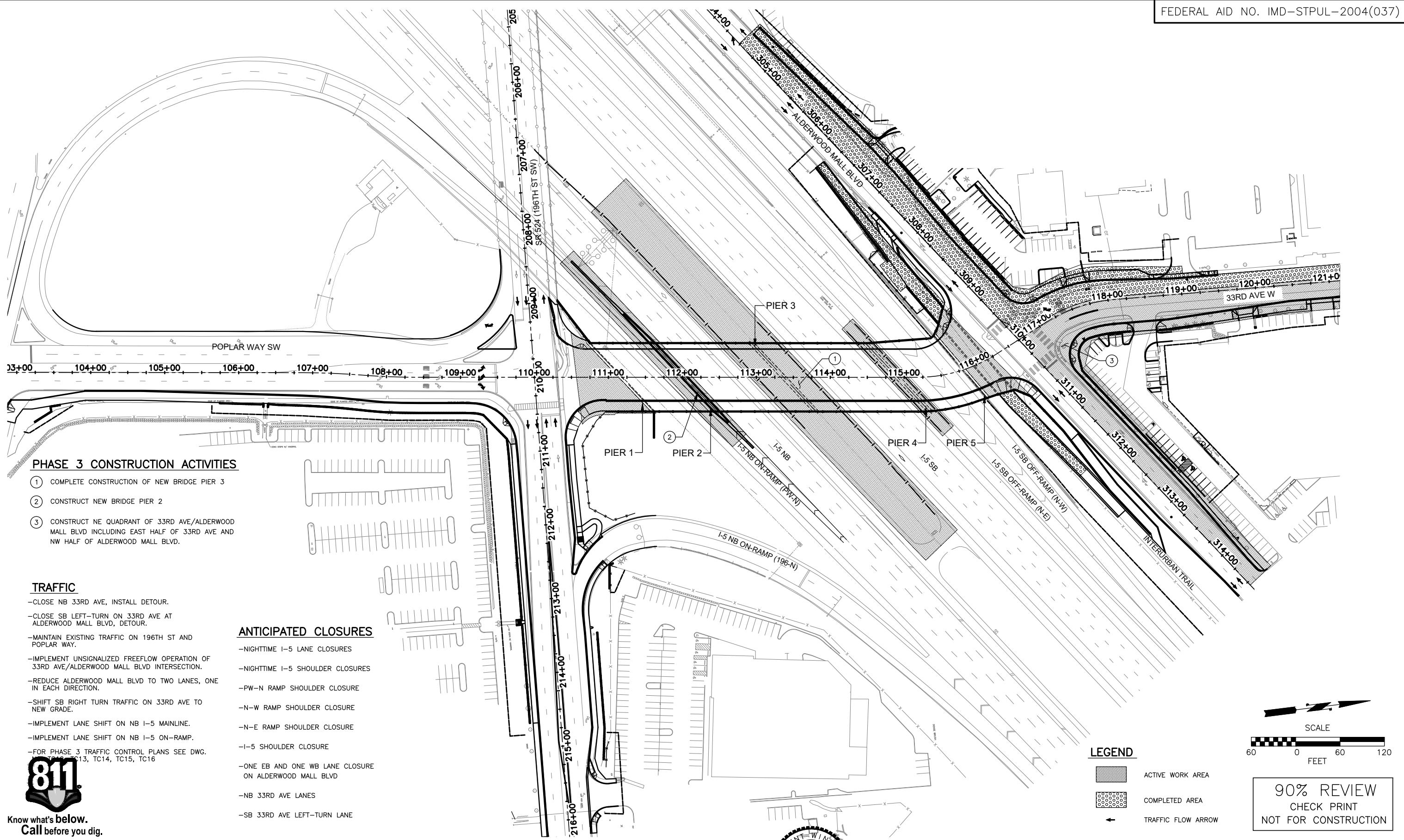


Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Date	5/2023
Checked By	V. WEN	Date	5/2023
Approved By	V. WEN	Date	5/2023

SCALE	1"=60'
Horiz	1"=60'
Vert	N/A
Project Number	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 2
CONSTRUCTION SEQUENCING PLAN

Drawing No.	CS2
Sheet No.	X
of Total	X



PHASE 3 CONSTRUCTION ACTIVITIES

- ① COMPLETE CONSTRUCTION OF NEW BRIDGE PIER 3
- ② CONSTRUCT NEW BRIDGE PIER 2
- ③ CONSTRUCT NE QUADRANT OF 33RD AVE/ALDERWOOD MALL BLVD INCLUDING EAST HALF OF 33RD AVE AND NW HALF OF ALDERWOOD MALL BLVD.

TRAFFIC

- CLOSE NB 33RD AVE, INSTALL DETOUR.
- CLOSE SB LEFT-TURN ON 33RD AVE AT ALDERWOOD MALL BLVD, DETOUR.
- MAINTAIN EXISTING TRAFFIC ON 196TH ST AND POPLAR WAY.
- IMPLEMENT UNSIGNALIZED FREEFLOW OPERATION OF 33RD AVE/ALDERWOOD MALL BLVD INTERSECTION.
- REDUCE ALDERWOOD MALL BLVD TO TWO LANES, ONE IN EACH DIRECTION.
- SHIFT SB RIGHT TURN TRAFFIC ON 33RD AVE TO NEW GRADE.
- IMPLEMENT LANE SHIFT ON NB I-5 MAINLINE.
- IMPLEMENT LANE SHIFT ON NB I-5 ON-RAMP.
- FOR PHASE 3 TRAFFIC CONTROL PLANS SEE DWG. 20100156-TC13, TC14, TC15, TC16

ANTICIPATED CLOSURES

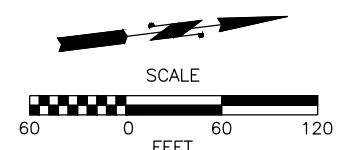
- NIGHTTIME I-5 LANE CLOSURES
- NIGHTTIME I-5 SHOULDER CLOSURES
- PW-N RAMP SHOULDER CLOSURE
- N-W RAMP SHOULDER CLOSURE
- N-E RAMP SHOULDER CLOSURE
- I-5 SHOULDER CLOSURE
- ONE EB AND ONE WB LANE CLOSURE ON ALDERWOOD MALL BLVD
- NB 33RD AVE LANES
- SB 33RD AVE LEFT-TURN LANE



Know what's below.
Call before you dig.

LEGEND

- ACTIVE WORK AREA
- COMPLETED AREA
- TRAFFIC FLOW ARROW



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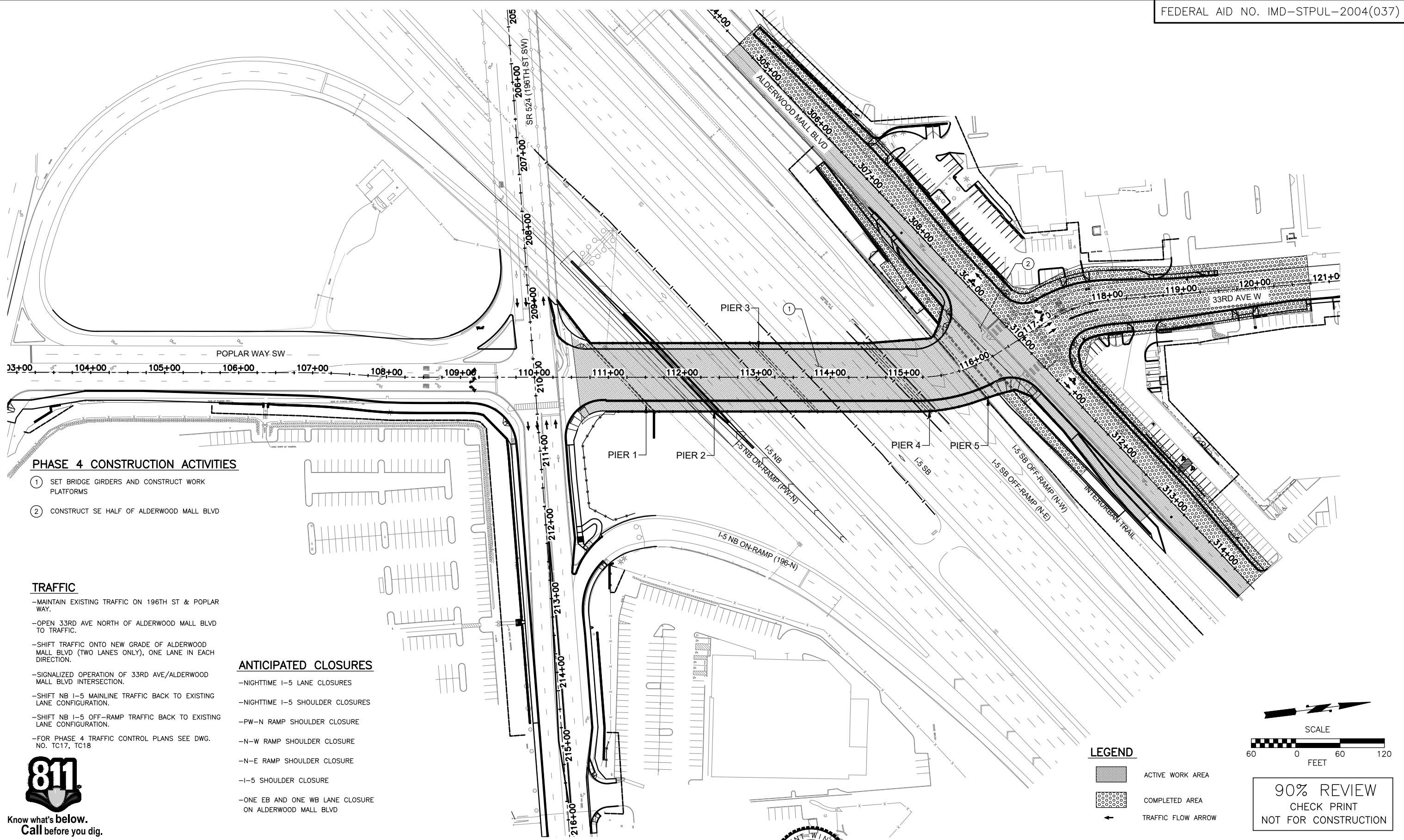


Drawn By S. DELAVARPOUR Date 5/2023
Designed By E. BORGES Date 5/2023
Checked By V. WEN Date 5/2023
Approved By V. WEN Date 5/2023

SCALE
Horiz 1"=60'
Vert N/A
Project Number 20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 3
CONSTRUCTION SEQUENCING PLAN

Drawing No. CS3
Sheet No. X
of Total X



PHASE 4 CONSTRUCTION ACTIVITIES

- ① SET BRIDGE GIRDERS AND CONSTRUCT WORK PLATFORMS
- ② CONSTRUCT SE HALF OF ALDERWOOD MALL BLVD

TRAFFIC

- MAINTAIN EXISTING TRAFFIC ON 196TH ST & POPLAR WAY.
- OPEN 33RD AVE NORTH OF ALDERWOOD MALL BLVD TO TRAFFIC.
- SHIFT TRAFFIC ONTO NEW GRADE OF ALDERWOOD MALL BLVD (TWO LANES ONLY), ONE LANE IN EACH DIRECTION.
- SIGNALIZED OPERATION OF 33RD AVE/ALDERWOOD MALL BLVD INTERSECTION.
- SHIFT NB I-5 MAINLINE TRAFFIC BACK TO EXISTING LANE CONFIGURATION.
- SHIFT NB I-5 OFF-RAMP TRAFFIC BACK TO EXISTING LANE CONFIGURATION.
- FOR PHASE 4 TRAFFIC CONTROL PLANS SEE DWG. NO. TC17, TC18

ANTICIPATED CLOSURES

- NIGHTTIME I-5 LANE CLOSURES
- NIGHTTIME I-5 SHOULDER CLOSURES
- PW-N RAMP SHOULDER CLOSURE
- N-W RAMP SHOULDER CLOSURE
- N-E RAMP SHOULDER CLOSURE
- I-5 SHOULDER CLOSURE
- ONE EB AND ONE WB LANE CLOSURE ON ALDERWOOD MALL BLVD



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Call before you dig.

LEGEND

- ACTIVE WORK AREA
- COMPLETED AREA
- TRAFFIC FLOW ARROW

SCALE
60 0 60 120
FEET

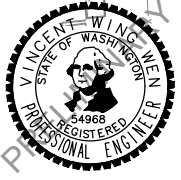
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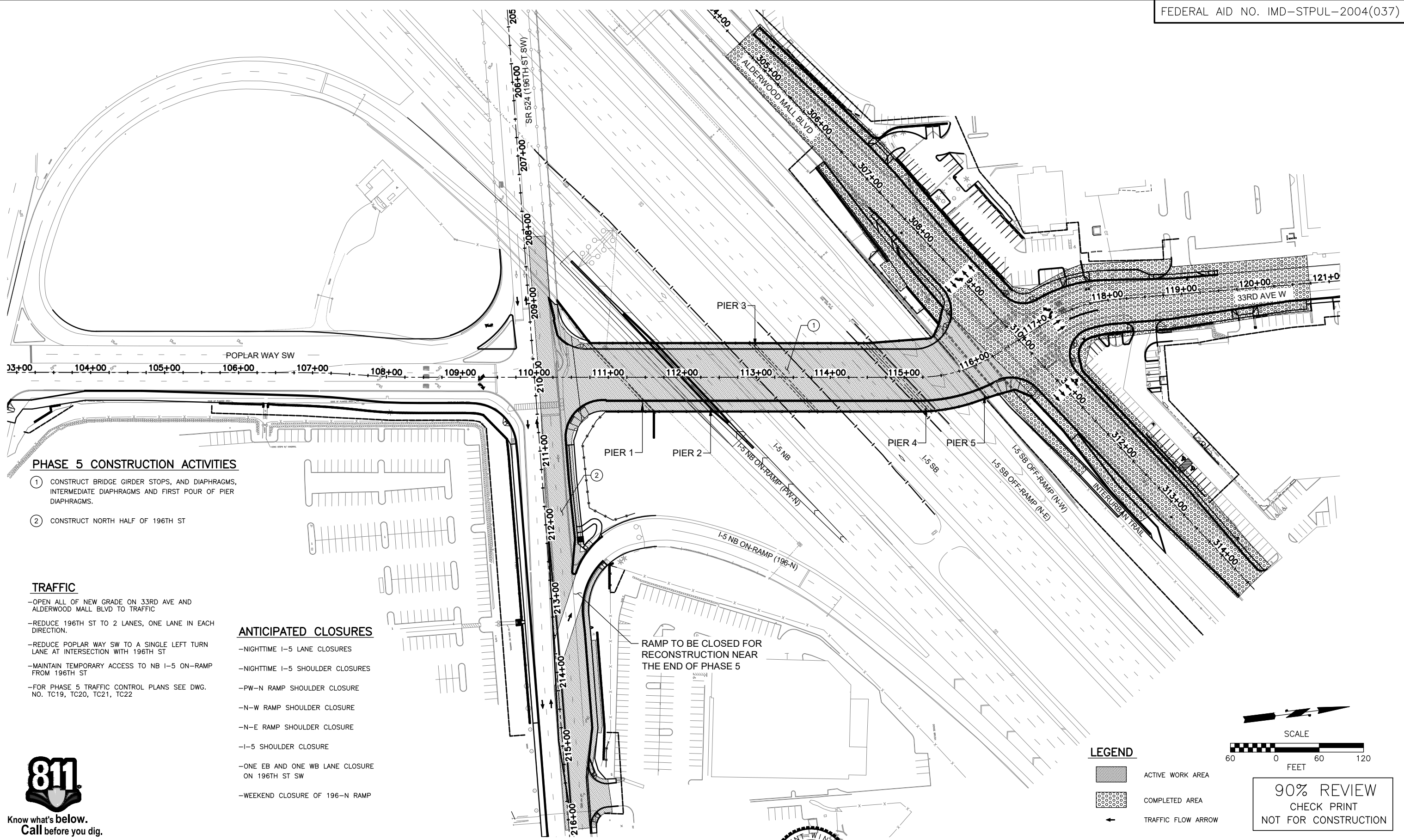


Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

SCALE	
Horiz	1"=60'
Vert	N/A
Project Number	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 4
CONSTRUCTION SEQUENCING PLAN

Drawing No.	CS4
Sheet No.	X
of Total	X



PHASE 5 CONSTRUCTION ACTIVITIES

- ① CONSTRUCT BRIDGE GIRDER STOPS, AND DIAPHRAGMS, INTERMEDIATE DIAPHRAGMS AND FIRST POUR OF PIER DIAPHRAGMS.
- ② CONSTRUCT NORTH HALF OF 196TH ST

TRAFFIC

- OPEN ALL OF NEW GRADE ON 33RD AVE AND ALDERWOOD MALL BLVD TO TRAFFIC
- REDUCE 196TH ST TO 2 LANES, ONE LANE IN EACH DIRECTION.
- REDUCE POPLAR WAY SW TO A SINGLE LEFT TURN LANE AT INTERSECTION WITH 196TH ST
- MAINTAIN TEMPORARY ACCESS TO NB I-5 ON-RAMP FROM 196TH ST
- FOR PHASE 5 TRAFFIC CONTROL PLANS SEE DWG. NO. TC19, TC20, TC21, TC22

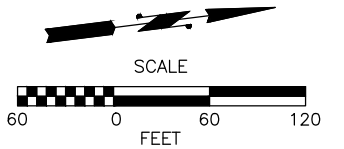
ANTICIPATED CLOSURES

- NIGHTTIME I-5 LANE CLOSURES
- NIGHTTIME I-5 SHOULDER CLOSURES
- PW-N RAMP SHOULDER CLOSURE
- N-W RAMP SHOULDER CLOSURE
- N-E RAMP SHOULDER CLOSURE
- I-5 SHOULDER CLOSURE
- ONE EB AND ONE WB LANE CLOSURE ON 196TH ST SW
- WEEKEND CLOSURE OF 196-N RAMP

RAMP TO BE CLOSED FOR RECONSTRUCTION NEAR THE END OF PHASE 5

LEGEND

- ACTIVE WORK AREA
- COMPLETED AREA
- TRAFFIC FLOW ARROW



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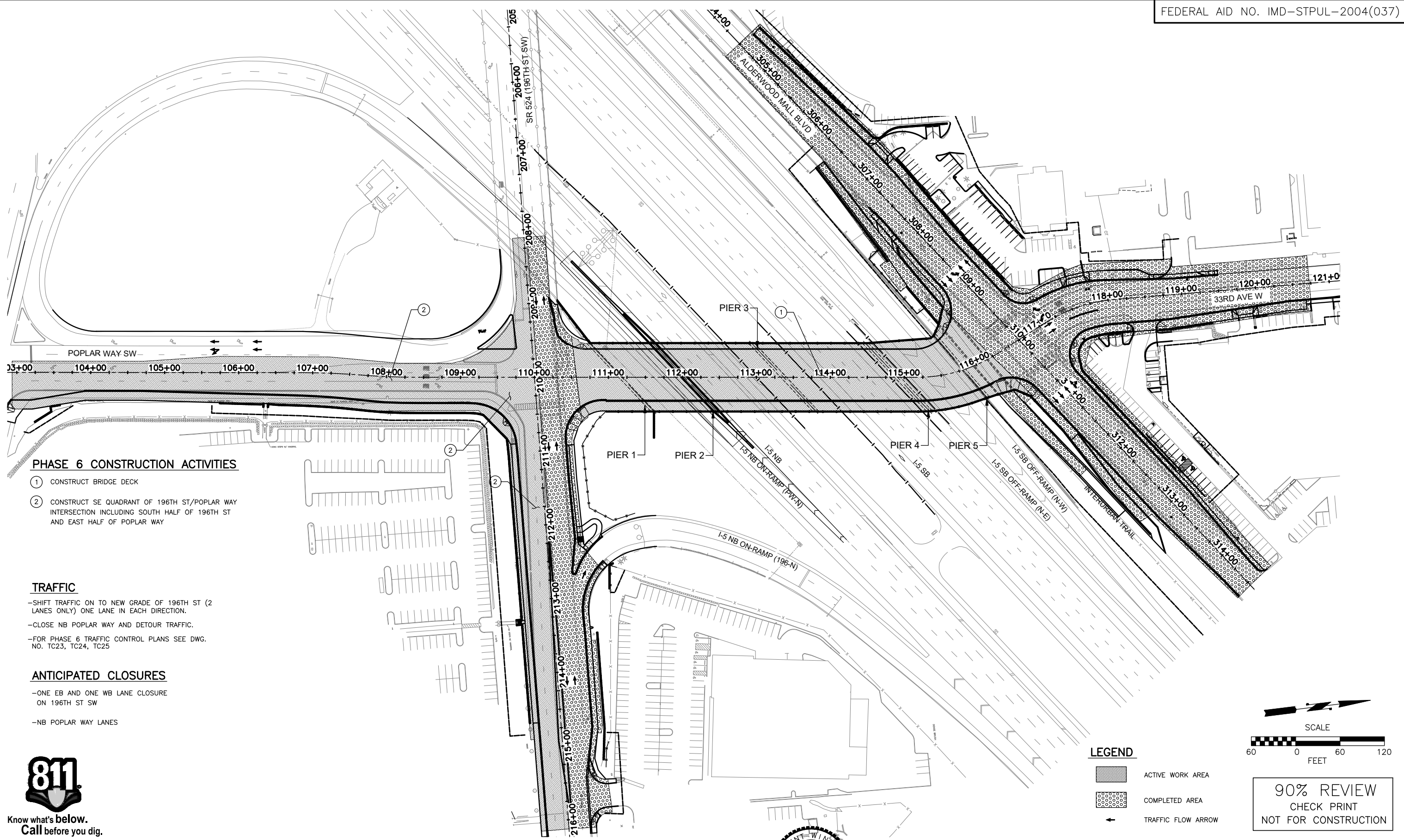


Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Date	5/2023
Checked By	V. WEN	Date	5/2023
Approved By	V. WEN	Date	5/2023

SCALE	1"=60'
Horiz	1"=60'
Vert	N/A
Project Number	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 5
CONSTRUCTION SEQUENCING PLAN

Drawing No.	CS5
Sheet No.	X
of Total	X



PHASE 6 CONSTRUCTION ACTIVITIES

- ① CONSTRUCT BRIDGE DECK
- ② CONSTRUCT SE QUADRANT OF 196TH ST/POPLAR WAY INTERSECTION INCLUDING SOUTH HALF OF 196TH ST AND EAST HALF OF POPLAR WAY

TRAFFIC

- SHIFT TRAFFIC ON TO NEW GRADE OF 196TH ST (2 LANES ONLY) ONE LANE IN EACH DIRECTION.
- CLOSE NB POPLAR WAY AND DETOUR TRAFFIC.
- FOR PHASE 6 TRAFFIC CONTROL PLANS SEE DWG. NO. TC23, TC24, TC25

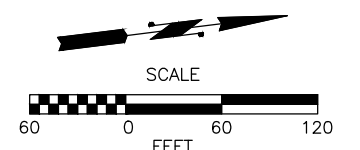
ANTICIPATED CLOSURES

- ONE EB AND ONE WB LANE CLOSURE ON 196TH ST SW
- NB POPLAR WAY LANES



LEGEND

- ACTIVE WORK AREA
- COMPLETED AREA
- TRAFFIC FLOW ARROW



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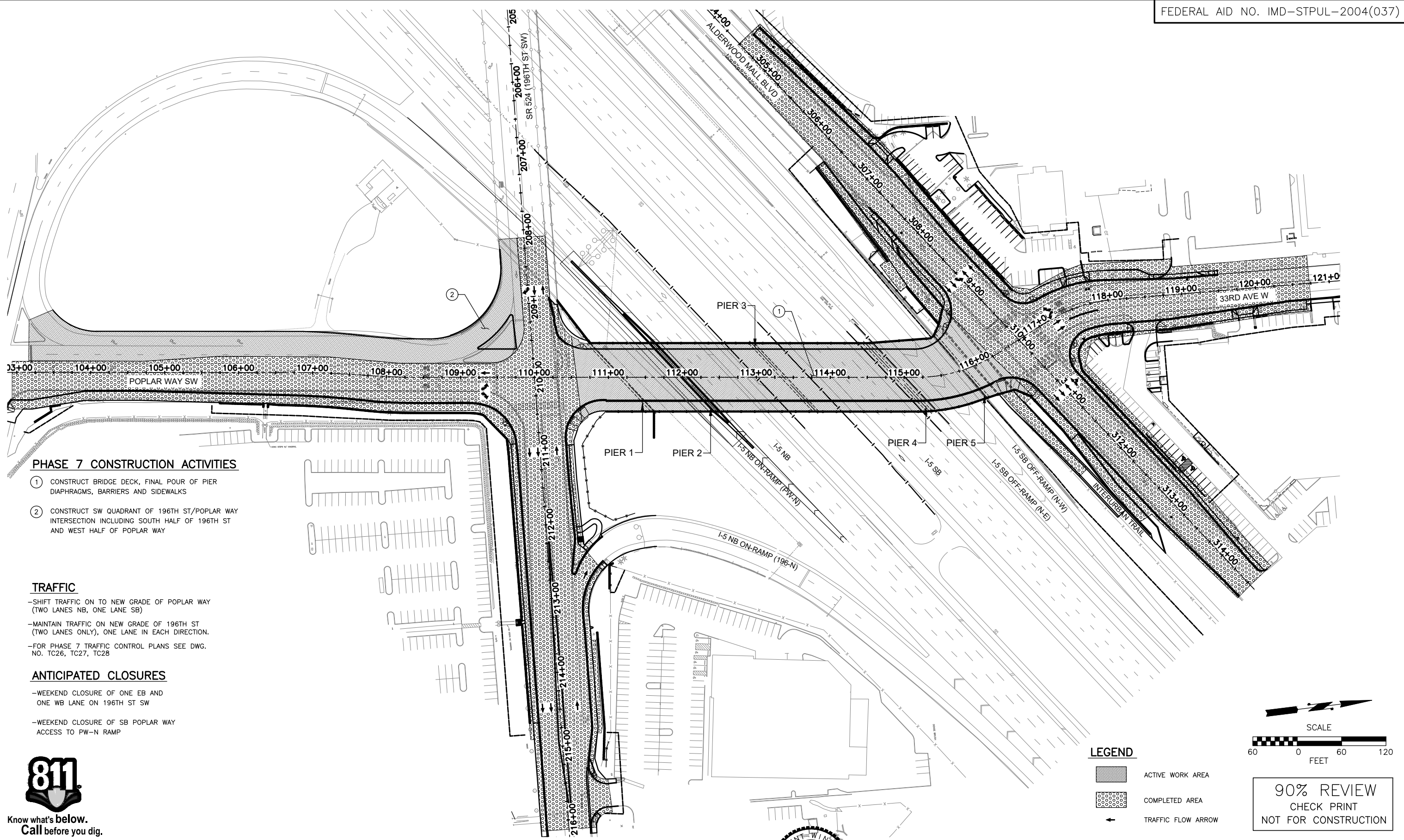


Drawn By S. DELAVARPOUR	Date 5/2023
Designed By E. BORGES	Date 5/2023
Checked By V. WEN	Date 5/2023
Approved By V. WEN	Date 5/2023

SCALE
Horiz 1"=60'
Vert N/A
Project Number 20100156

CITY OF LYNNWOOD
 POPLAR WAY EXTENSION BRIDGE
 PHASE 6
CONSTRUCTION SEQUENCING PLAN

Drawing No. CS6
Sheet No. X
of Total X



PHASE 7 CONSTRUCTION ACTIVITIES

- ① CONSTRUCT BRIDGE DECK, FINAL POUR OF PIER DIAPHRAGMS, BARRIERS AND SIDEWALKS
- ② CONSTRUCT SW QUADRANT OF 196TH ST/POPLAR WAY INTERSECTION INCLUDING SOUTH HALF OF 196TH ST AND WEST HALF OF POPLAR WAY

TRAFFIC

- SHIFT TRAFFIC ON TO NEW GRADE OF POPLAR WAY (TWO LANES NB, ONE LANE SB)
- MAINTAIN TRAFFIC ON NEW GRADE OF 196TH ST (TWO LANES ONLY), ONE LANE IN EACH DIRECTION.
- FOR PHASE 7 TRAFFIC CONTROL PLANS SEE DWG. NO. TC26, TC27, TC28

ANTICIPATED CLOSURES

- WEEKEND CLOSURE OF ONE EB AND ONE WB LANE ON 196TH ST SW
- WEEKEND CLOSURE OF SB POPLAR WAY ACCESS TO PW-N RAMP



Know what's below.
Call before you dig.

LEGEND

- ACTIVE WORK AREA
- COMPLETED AREA
- TRAFFIC FLOW ARROW

SCALE

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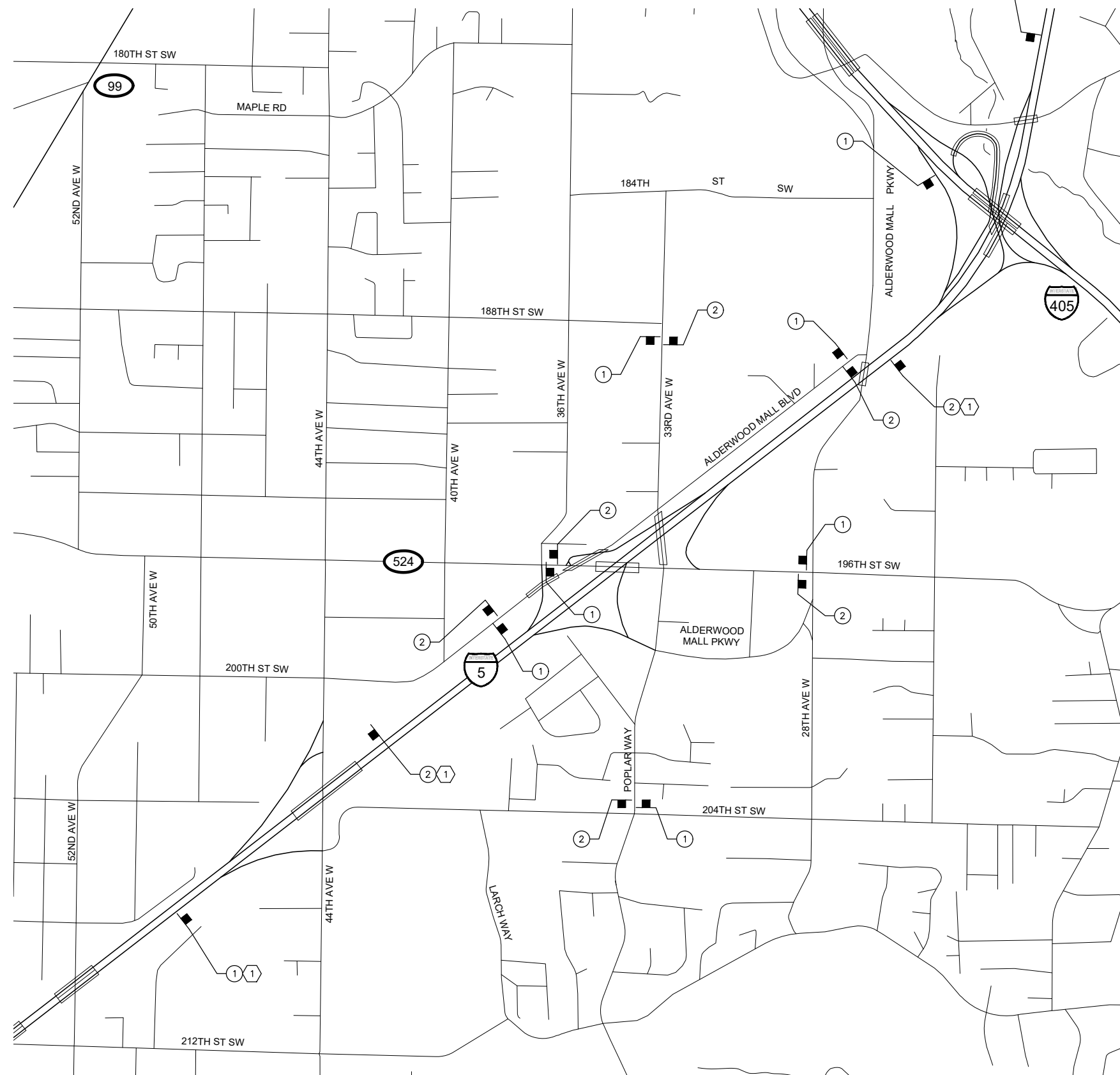


Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

SCALE
Horiz 1"=60'
Vert N/A
Project Number 20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 7
CONSTRUCTION SEQUENCING PLAN

Drawing No.	CS7
Sheet No.	X
of Total	X



SIGN SPACING		
I-5 & I-405	60 MPH	1500'±
SR 524/196TH ST SW & ALDERWOOD MALL BLVD	35 MPH	350'±
POPLAR WAY & 33RD AVE W	30 MPH	200'±(2)



W20-1
①



G20-2A
②

CONSTRUCTION NOTES:

- ① INSTALL ON BOTH SIDES OF THE ROADWAY

GENERAL NOTES:

- CONTACT TRAFFIC SYSTEMS MANAGEMENT CENTER PRIOR TO BEGINNING WORK AND AFTER LANES ARE OPEN TO TRAFFIC.
- ALL SIGNS SHALL BE 48"X48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
- SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP.

LEGEND:

- CONSTRUCTION SIGN LOCATION
- ⓧ SIGN NO.

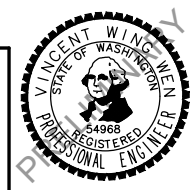
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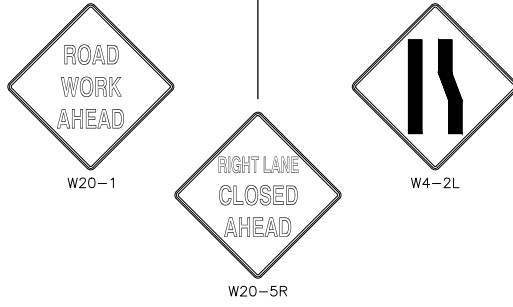
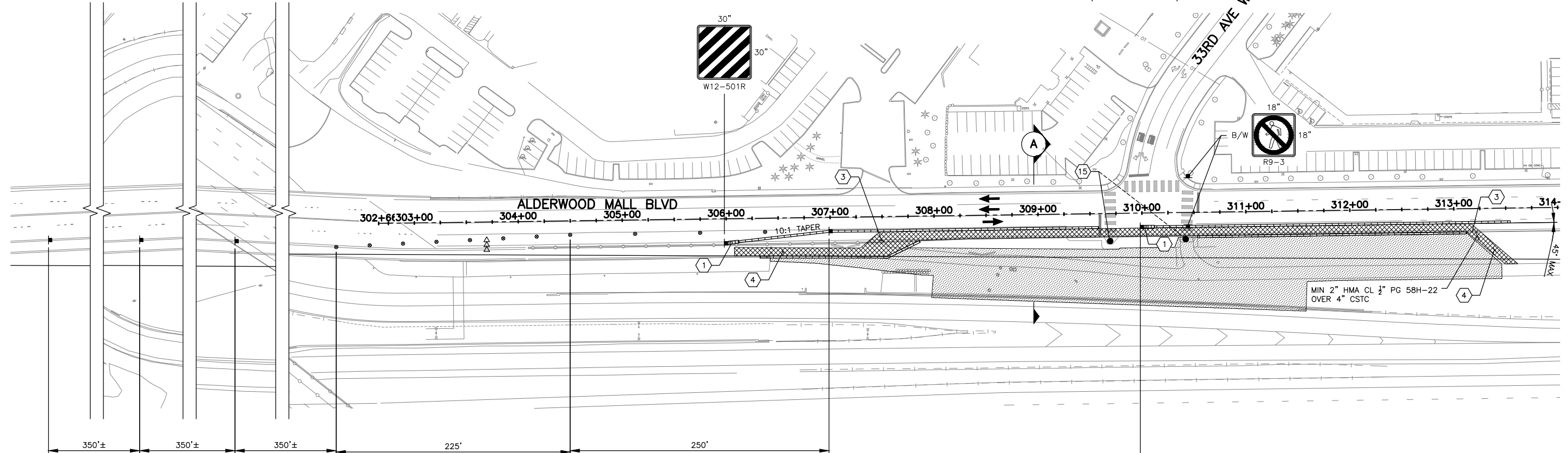
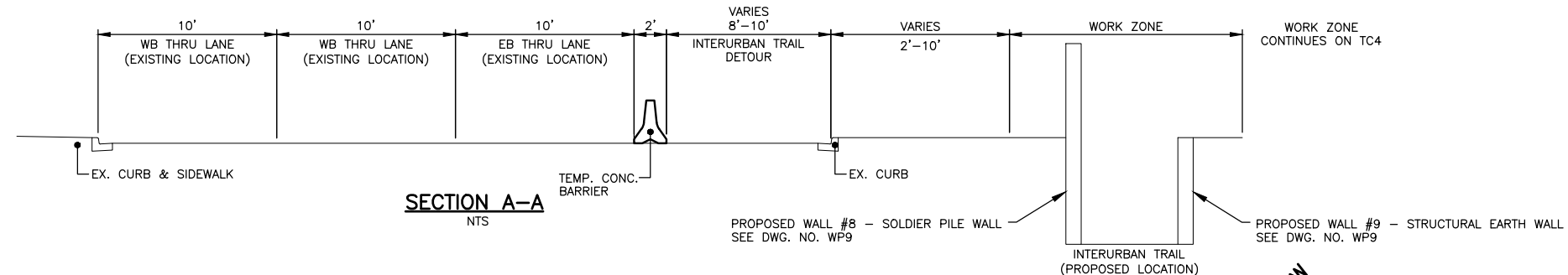
Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Date	5/2023
Checked By	V. WEN	Date	5/2023
Approved By	V. WEN	Date	5/2023

SCALE	Horiz	N/A
	Vert	N/A
Project Number	20100156	

CITY OF LYNNWOOD
**POPLAR WAY EXTENSION BRIDGE
CONSTRUCTION SIGN - CLASS A
TRAFFIC CONTROL PLAN**

Drawing No.	TC1
Sheet No.	X
of Total	X

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
35	30	60



NOTES:

- ALL SIGNS SHALL BE 48"X48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
- SIGN LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
- TYPE C WARNING LIGHTS SHALL BE ATTACHED TO TRAFFIC SAFETY DRUMS FOR NIGHT TIME WORK ACTIVITY.
- DEVICES SHALL NOT ENCR OACH INTO THE ADJACENT LANE.
- PEDESTRIAN ACCESS SHALL BE MAINTAINED FOR INTERURBAN TRAIL.
- REMOVE EXISTING CHANNELIZATION WHERE CONFLICTS WITH TEMPORARY CHANNELIZATION.
- TEMPORARY IMPACT ATTENUATORS SHALL NOT INCLUDE INERTIAL DRUMS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FOR A PROPOSED METHOD OF TRUCK ACCESS TO 1-5 WORK AREAS.

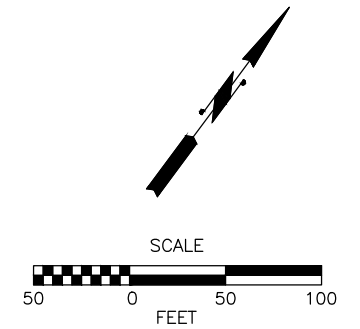
TRAFFIC CONTROL LEGEND:

- CONSTRUCTION SIGN LOCATION
- TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
- TYPE 2 BARRICADE
- SEQUENTIAL ARROW SIGN
- TEMPORARY CONC. BARRIER
- ACTIVE WORK AREA
- TEMPORARY INTERURBAN TRAIL DETOUR
- APPROXIMATE PROPOSED BUS STOP LOCATION
- EXISTING BUS STOP LOCATION



CONSTRUCTION NOTES:

- 1 PROVIDE TEMPORARY IMPACT ATTENUATOR AT LEADING END OF TEMPORARY CONC BARRIER ADJACENT TO TRAFFIC
- 3 PROVIDE TEMPORARY PEDESTRIAN RAMP
- 4 CONSTRUCT TEMPORARY TRAIL CONNECTION:
 - MIN 8' WIDTH
 - 2% MAX CROSS SLOPE
 - 5% MAX RUNNING SLOPE
 - USE HMA WEDGE AGAINST CURB FOR TRAIL TRANSITION TO STREET WHERE BARRIER IS REMOVED FOR PERMANENT IMPROVEMENTS
- 15 RELOCATE BUS STOP



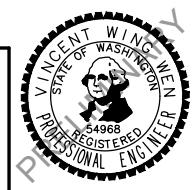
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No.	Date	Revision	By	Appr.

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Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

SCALE
Horiz 1" = 50'
Vert N/A
Project Number 20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 1
TRAFFIC CONTROL PLAN

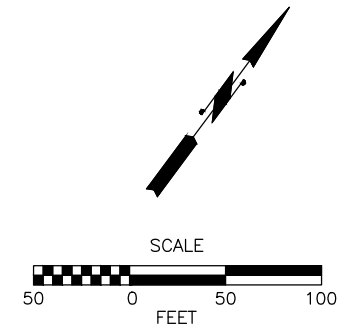
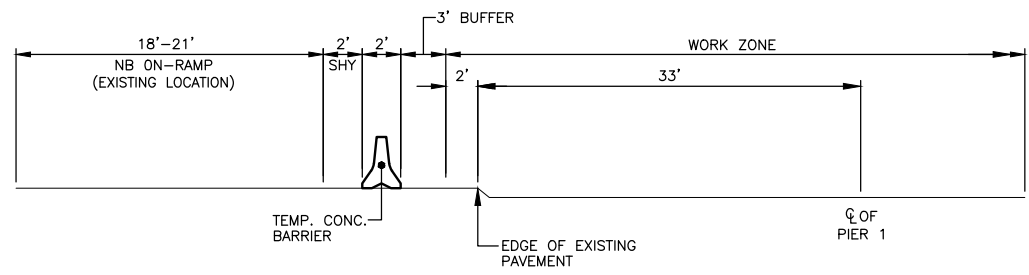
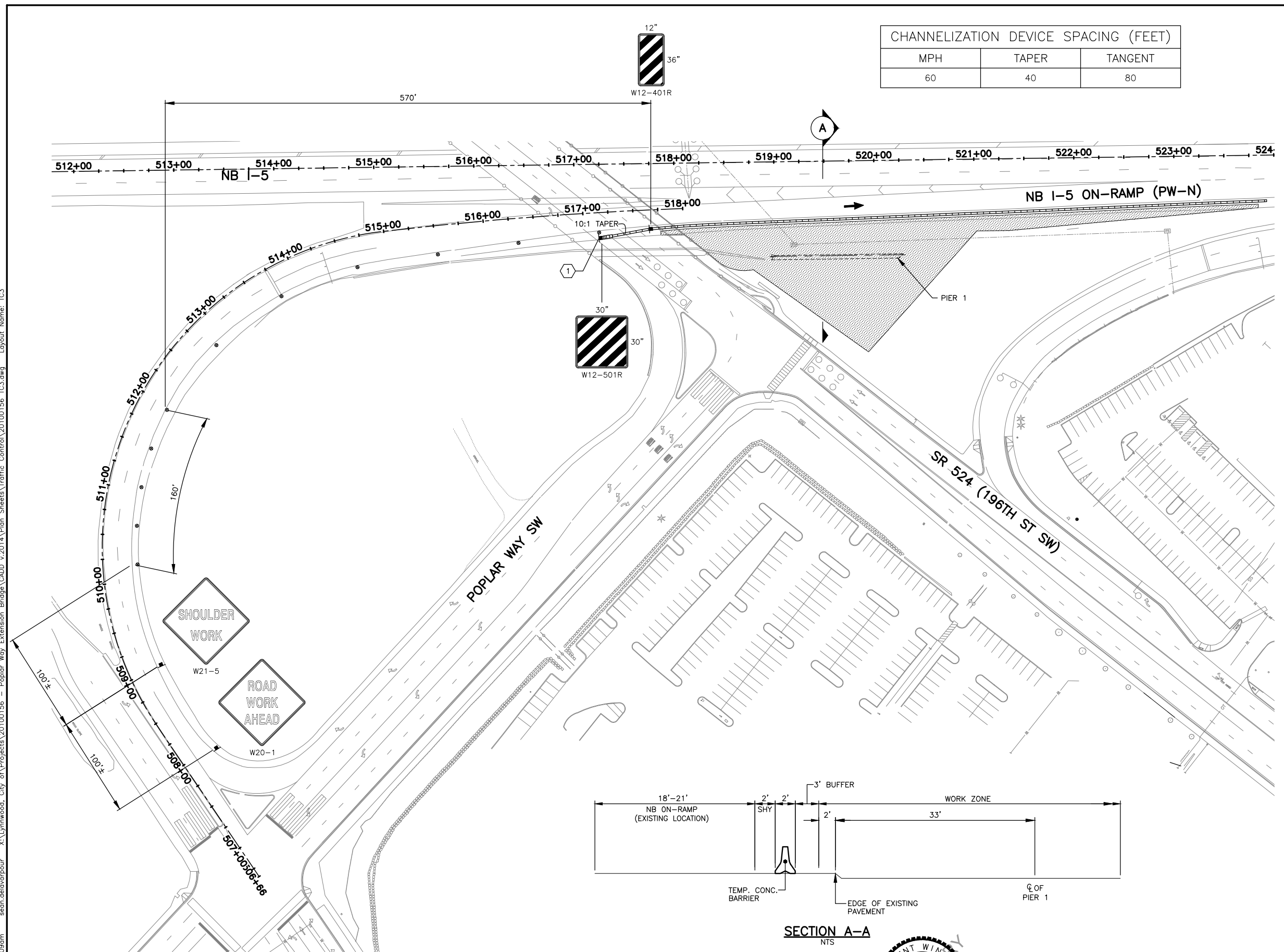
Drawing No.	TC2
Sheet No.	X of Total

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
60	40	80

- NOTES:**
- ALL SIGNS SHALL BE 48"X48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
 - SIGN LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
 - CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
 - TYPE C WARNING LIGHTS SHALL BE ATTACHED TO TRAFFIC SAFETY DRUMS FOR NIGHT TIME WORK ACTIVITY.
 - DEVICES SHALL NOT ENCR OACH INTO THE ADJACENT LANE.
 - PEDESTRIAN ACCESS SHALL BE MAINTAINED FOR INTERURBAN TRAIL.
 - REMOVE EXISTING CHANNELIZATION WHERE CONFLICTS WITH TEMPORARY CHANNELIZATION.
 - TEMPORARY IMPACT ATTENUATORS SHALL NOT INCLUDE INERTIAL DRUMS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FOR A PROPOSED METHOD OF TRUCK ACCESS TO I-5 WORK AREAS.

- TRAFFIC CONTROL LEGEND:**
- CONSTRUCTION SIGN LOCATION
 - TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
 - TYPE 2 BARRICADE
 - SEQUENTIAL ARROW SIGN
 - TEMPORARY CONC. BARRIER
 - ACTIVE WORK AREA
 - TEMPORARY INTERURBAN TRAIL DETOUR
 - APPROXIMATE PROPOSED BUS STOP LOCATION
 - EXISTING BUS STOP LOCATION

- CONSTRUCTION NOTES:**
- 1 PROVIDE TEMPORARY IMPACT ATTENUATOR AT LEADING END OF TEMPORARY CONC BARRIER ADJACENT TO TRAFFIC



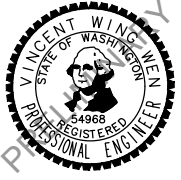
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LYNNWOOD WASHINGTON



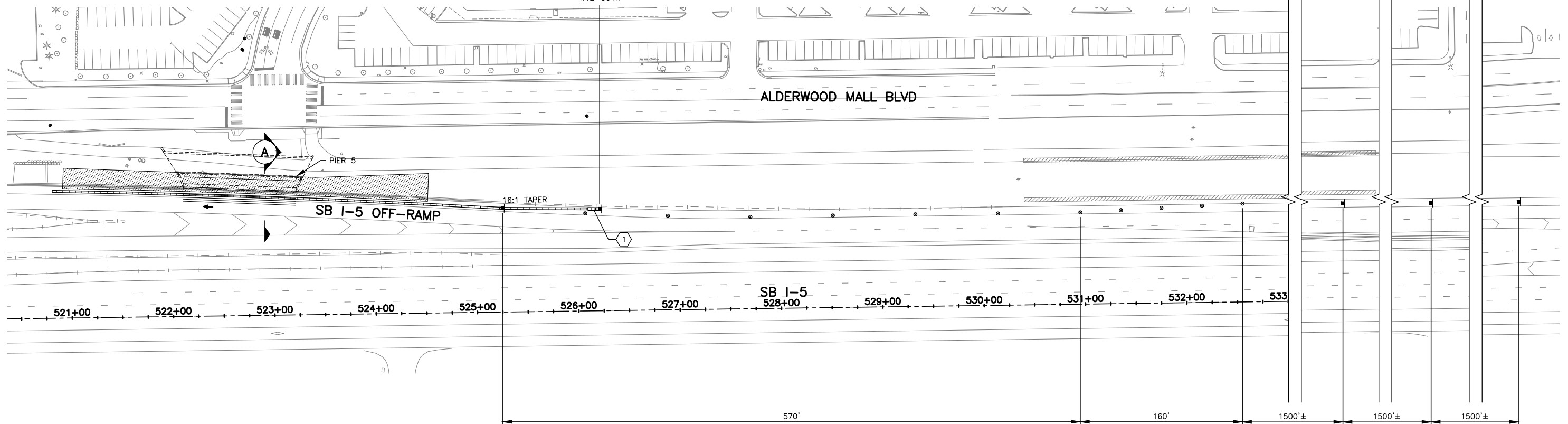
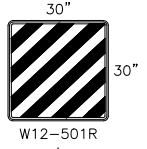
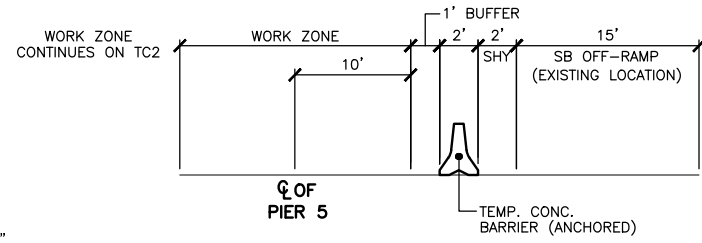
Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

SCALE
Horiz 1" = 50'
Vert N/A
Project Number 20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 1
TRAFFIC CONTROL PLAN

Drawing No.	TC3
Sheet No.	X
of Total	X

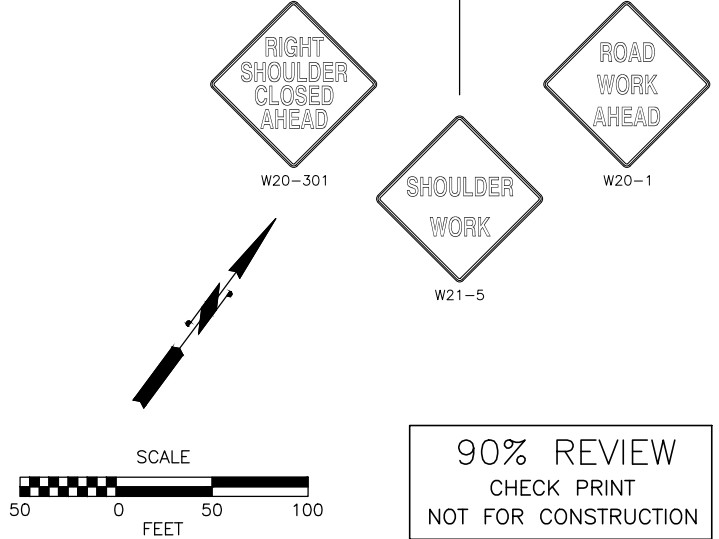
CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
60	40	80



- NOTES:**
- ALL SIGNS SHALL BE 48"X48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
 - SIGN LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
 - CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
 - TYPE C WARNING LIGHTS SHALL BE ATTACHED TO TRAFFIC SAFETY DRUMS FOR NIGHT TIME WORK ACTIVITY.
 - DEVICES SHALL NOT ENCR OACH INTO THE ADJACENT LANE.
 - PEDESTRIAN ACCESS SHALL BE MAINTAINED FOR INTERURBAN TRAIL.
 - REMOVE EXISTING CHANNELIZATION WHERE CONFLICTS WITH TEMPORARY CHANNELIZATION.
 - TEMPORARY IMPACT ATTENUATORS SHALL NOT INCLUDE INERTIAL DRUMS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FOR A PROPOSED METHOD OF TRUCK ACCESS TO I-5 WORK AREAS.

- TRAFFIC CONTROL LEGEND:**
- CONSTRUCTION SIGN LOCATION
 - TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
 - TYPE 2 BARRICADE
 - ⇨⇨ SEQUENTIAL ARROW SIGN
 - ▬ TEMPORARY CONC. BARRIER
 - ▨ ACTIVE WORK AREA
 - ▩ TEMPORARY INTERURBAN TRAIL DETOUR
 - APPROXIMATE PROPOSED BUS STOP LOCATION
 - EXISTING BUS STOP LOCATION

- CONSTRUCTION NOTES:**
- ① PROVIDE TEMPORARY IMPACT ATTENUATOR AT LEADING END OF TEMPORARY CONC BARRIER ADJACENT TO TRAFFIC



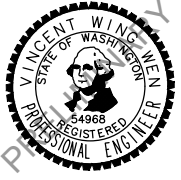
90% REVIEW
CHECK PRINT
NOT FOR CONSTRUCTION

May 10, 2023 11:10am sean.delavarpour X:\Projects\20100156 - Poplar Way Extension Bridge\CADD v.2014\Plan Sheets\Traffic Control\20100156 TC4.dwg Layout Name: TC4

No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD WASHINGTON



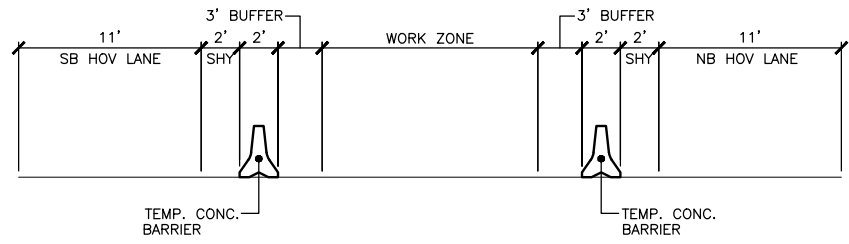
Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

SCALE
Horiz 1" = 50'
Vert N/A
Project Number 20100156

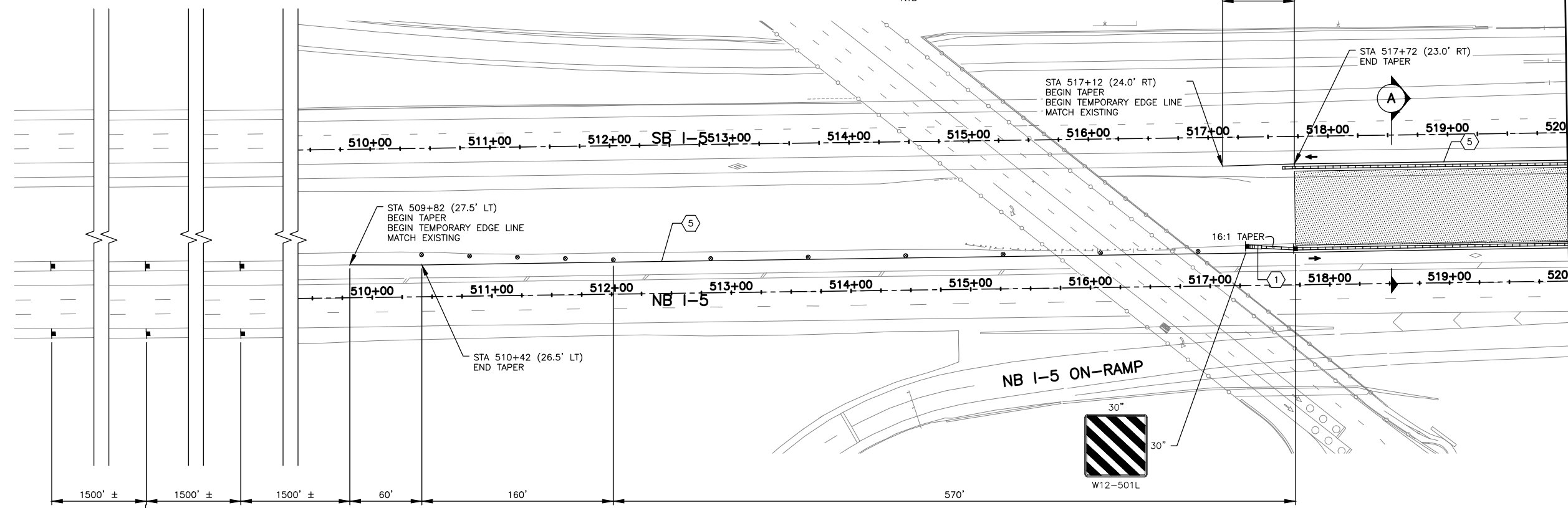
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 1
TRAFFIC CONTROL PLAN

Drawing No.	TC4
Sheet No.	X
of Total	X

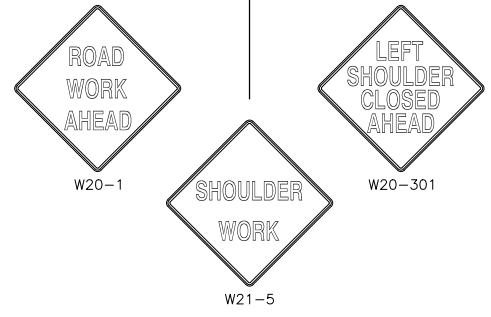
CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
60	40	80



SECTION A-A
NTS



MATCH LINE
SEE DWG. NO. TC6



NOTES:

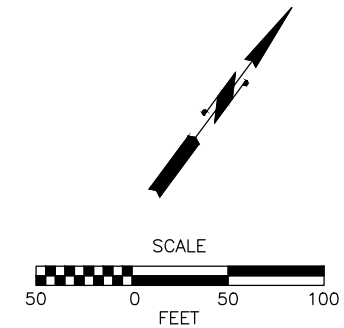
- ALL SIGNS SHALL BE 48"x48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
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- TEMPORARY IMPACT ATTENUATORS SHALL NOT INCLUDE INERTIAL DRUMS.
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TRAFFIC CONTROL LEGEND:

- CONSTRUCTION SIGN LOCATION
- TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
- TYPE 2 BARRICADE
- SEQUENTIAL ARROW SIGN
- TEMPORARY CONC. BARRIER
- ACTIVE WORK AREA
- TEMPORARY INTERURBAN TRAIL DETOUR
- APPROXIMATE PROPOSED BUS STOP LOCATION
- EXISTING BUS STOP LOCATION

CONSTRUCTION NOTES:

- PROVIDE TEMPORARY IMPACT ATTENUATOR AT LEADING END OF TEMPORARY CONC BARRIER ADJACENT TO TRAFFIC
- INSTALL TEMPORARY YELLOW EDGE LINE PER WSDOT STD PLAN M-20.10-04



90% REVIEW
CHECK PRINT
NOT FOR CONSTRUCTION

May 10, 2023 11:10am sean.delavarpour X:\Projects\20100156 - Poplar Way Extension Bridge\CADD v.2014\Plan Sheets\Traffic Control\20100156 TC5.dwg Layout Name: TC5

No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD WASHINGTON



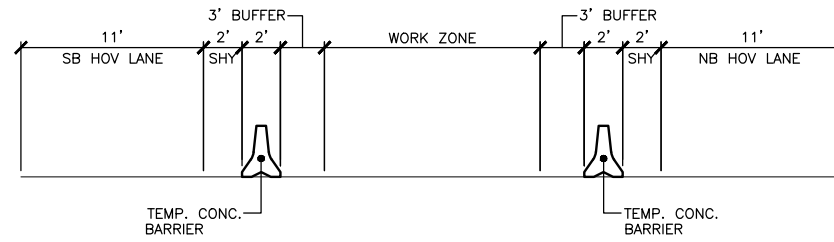
Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

SCALE	Horiz	1" = 50'
	Vert	N/A
	Project Number	20100156

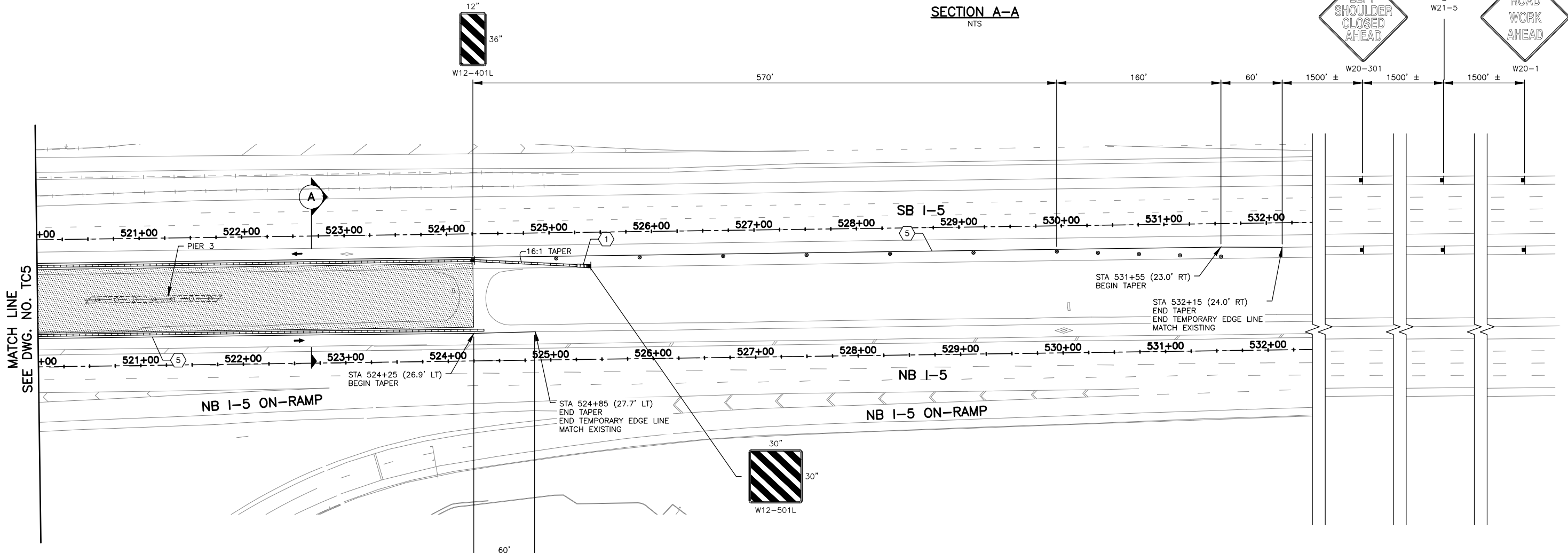
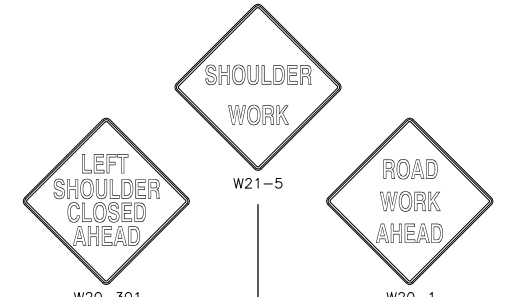
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 2
TRAFFIC CONTROL PLAN

Drawing No.	TC5
Sheet No.	X
of Total	X

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
60	40	80



SECTION A-A
NTS

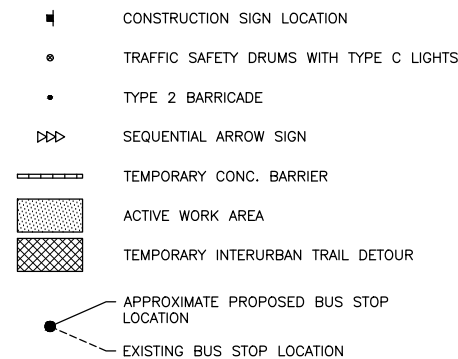


MATCH LINE SEE DWG. NO. TC5

NOTES:

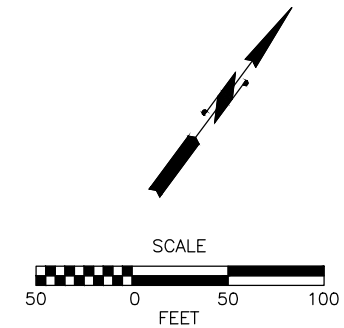
- ALL SIGNS SHALL BE 48"x48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
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TRAFFIC CONTROL LEGEND:



CONSTRUCTION NOTES:

- PROVIDE TEMPORARY IMPACT ATTENUATOR AT LEADING END OF TEMPORARY CONC BARRIER ADJACENT TO TRAFFIC
- INSTALL TEMPORARY YELLOW EDGE LINE PER WSDOT STD PLAN M-20.10-04



90% REVIEW
CHECK PRINT
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May 10, 2023 11:10am sean.delavarpour X:\lynwood_City of\Projects\20100156 - Poplar Way Extension Bridge\CADD v.2014\Plan Sheets\Traffic Control\20100156 TC5.dwg Layout Name: TC6

No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD WASHINGTON



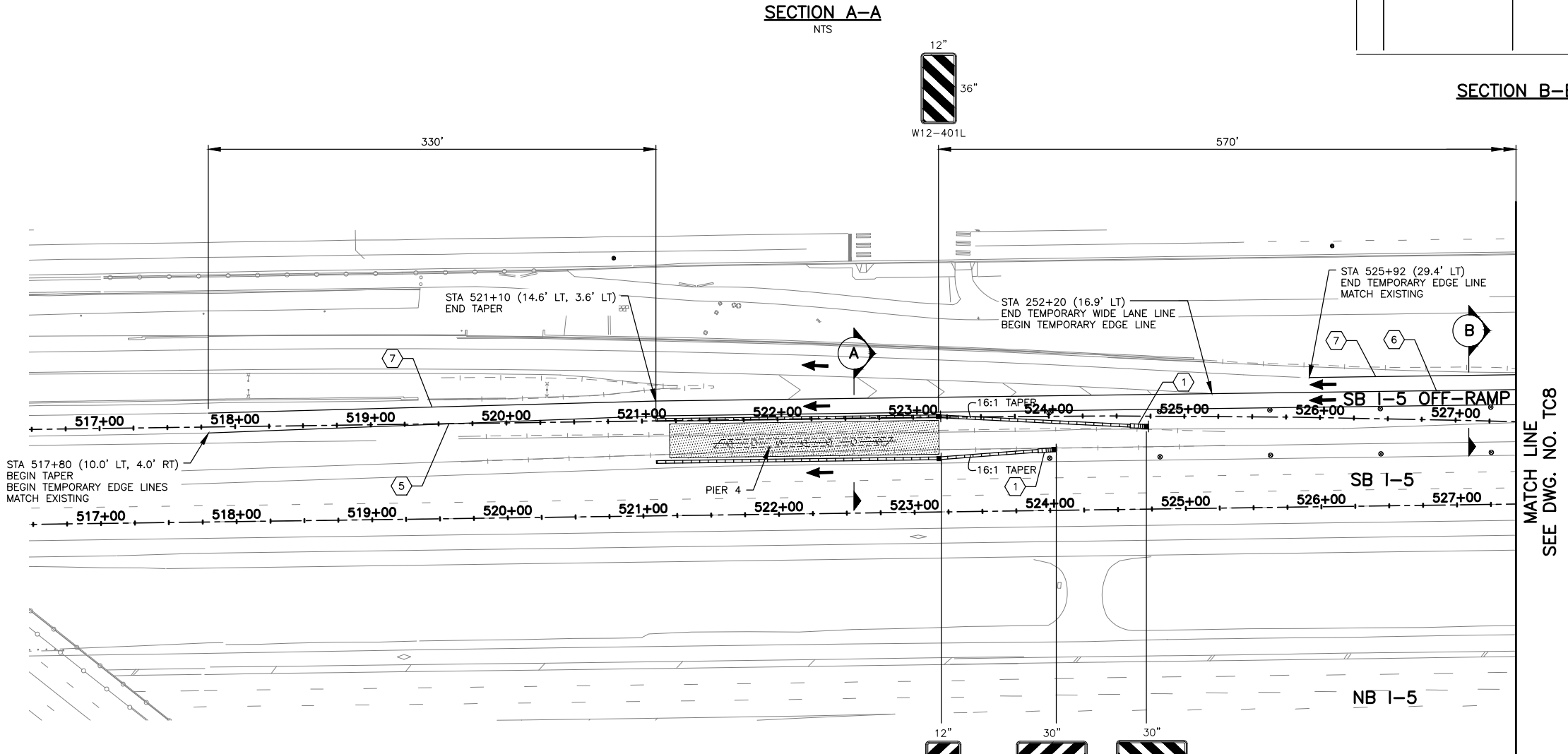
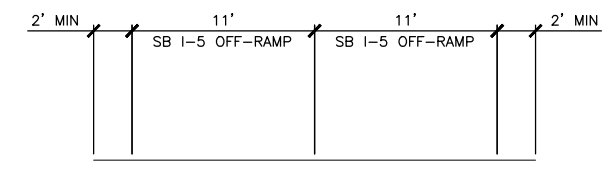
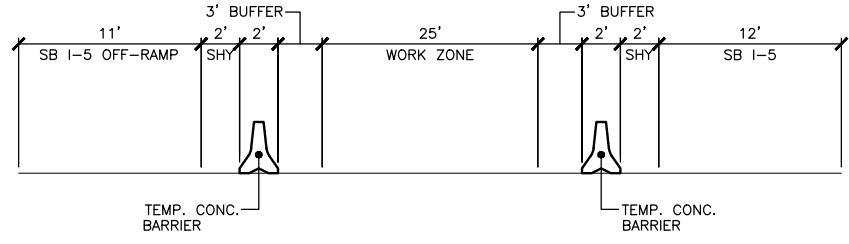
Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

SCALE
Horiz 1" = 50'
Vert N/A
Project Number 20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 2
TRAFFIC CONTROL PLAN

Drawing No.	TC6
Sheet No.	X
of Total	X

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
60	40	80



NOTES:

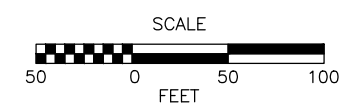
- ALL SIGNS SHALL BE 48"x48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
- SIGN LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
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- DEVICES SHALL NOT ENCR OACH INTO THE ADJACENT LANE.
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- TEMPORARY IMPACT ATTENUATORS SHALL NOT INCLUDE INERTIAL DRUMS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FOR A PROPOSED METHOD OF TRUCK ACCESS TO I-5 WORK AREAS.

TRAFFIC CONTROL LEGEND:

- CONSTRUCTION SIGN LOCATION
- TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
- TYPE 2 BARRICADE
- SEQUENTIAL ARROW SIGN
- TEMPORARY CONC. BARRIER
- ACTIVE WORK AREA
- TEMPORARY INTERURBAN TRAIL DETOUR
- APPROXIMATE PROPOSED BUS STOP LOCATION
- EXISTING BUS STOP LOCATION

CONSTRUCTION NOTES:

- PROVIDE TEMPORARY IMPACT ATTENUATOR AT LEADING END OF TEMPORARY CONC BARRIER ADJACENT TO TRAFFIC
- INSTALL TEMPORARY YELLOW EDGE LINE PER WSDOT STD PLAN M-20.10-04
- INSTALL TEMPORARY WIDE LANE LINE PER WSDOT STD PLAN M-20.50-02
- INSTALL TEMPORARY WHITE EDGE LINE PER WSDOT STD PLAN M-20.10-04



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May 10, 2023 11:11am sean.delavarpour X:\lynwood_City of\Projects\20100156 - Poplar Way Extension Bridge\CADD_v.2014\Plan Sheets\Traffic Control\20100156 TC7.dwg Layout Name: TC7

No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD WASHINGTON



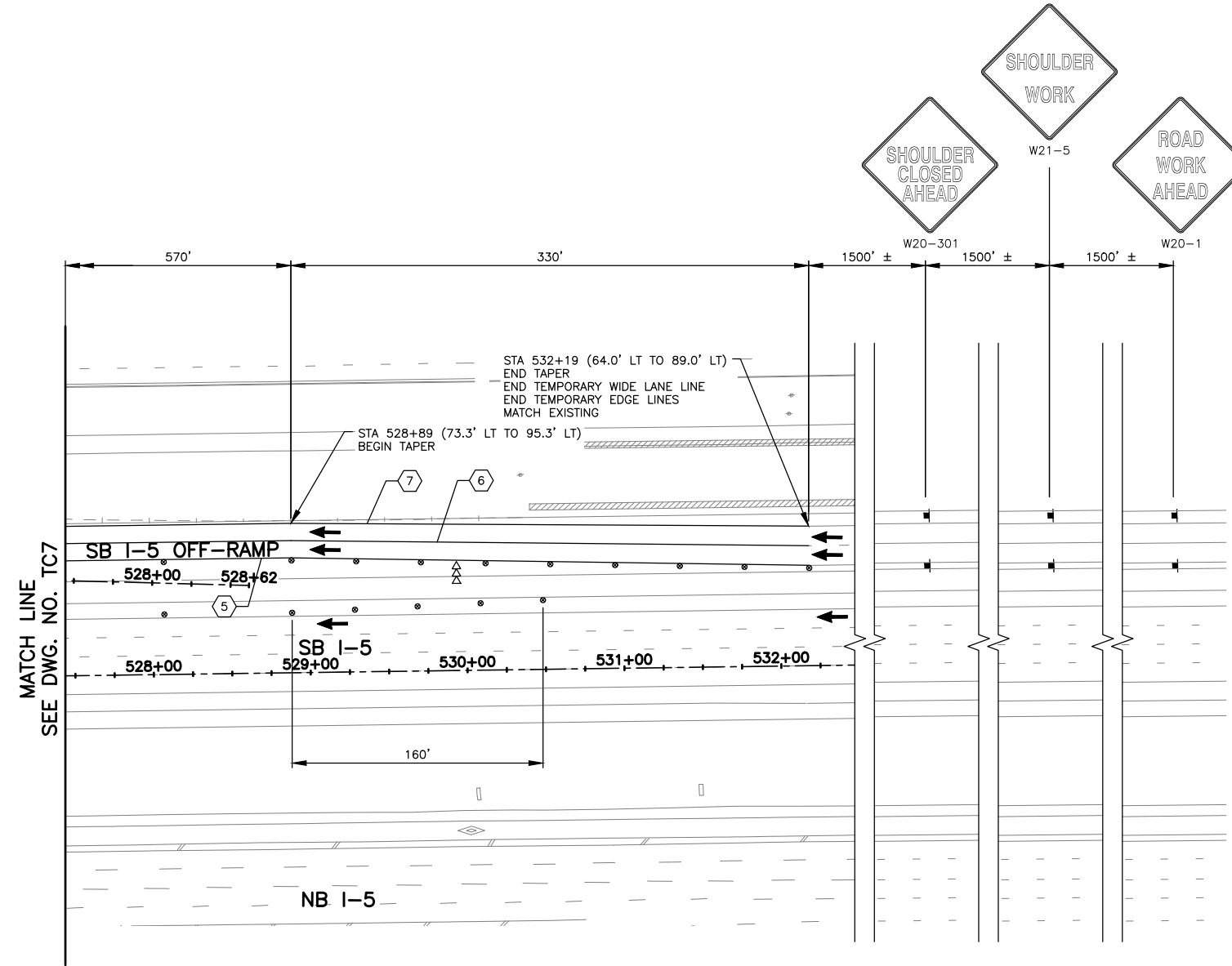
Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

SCALE	1" = 50'
Horiz	N/A
Vert	N/A
Project Number	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 2
TRAFFIC CONTROL PLAN

Drawing No.	TC7
Sheet No.	X
of Total	X

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
60	40	80



NOTES:

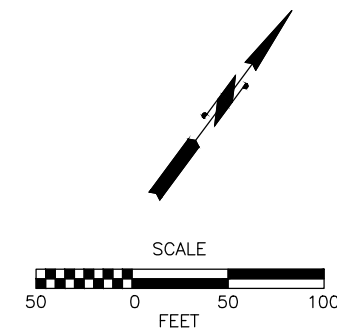
- ALL SIGNS SHALL BE 48"x48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
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- CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
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- DEVICES SHALL NOT ENCR OACH INTO THE ADJACENT LANE.
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- REMOVE EXISTING CHANNELIZATION WHERE CONFLICTS WITH TEMPORARY CHANNELIZATION.
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- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FOR A PROPOSED METHOD OF TRUCK ACCESS TO I-5 WORK AREAS.

TRAFFIC CONTROL LEGEND:

- CONSTRUCTION SIGN LOCATION
- TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
- TYPE 2 BARRICADE
- ⇨⇨ SEQUENTIAL ARROW SIGN
- ▬ TEMPORARY CONC. BARRIER
- ▨ ACTIVE WORK AREA
- ▩ TEMPORARY INTERURBAN TRAIL DETOUR
- APPROXIMATE PROPOSED BUS STOP LOCATION
- EXISTING BUS STOP LOCATION

CONSTRUCTION NOTES:

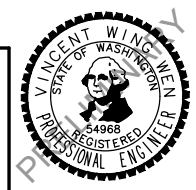
- 5 INSTALL TEMPORARY YELLOW EDGE LINE PER WSDOT STD PLAN M-20.10-04
- 6 INSTALL TEMPORARY WIDE LANE LINE PER WSDOT STD PLAN M-20.50-02
- 7 INSTALL TEMPORARY WHITE EDGE LINE PER WSDOT STD PLAN M-20.10-04



90% REVIEW
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May 10, 2023 11:11am sean.delavarpour X:\lynwood\City of\Projects\20100156 - Poplar Way Extension Bridge\CADD_v.2014\Plan Sheets\Traffic Control\20100156 TC7.dwg Layout Name: TC8

No.	Date	Revision	By	Appr.



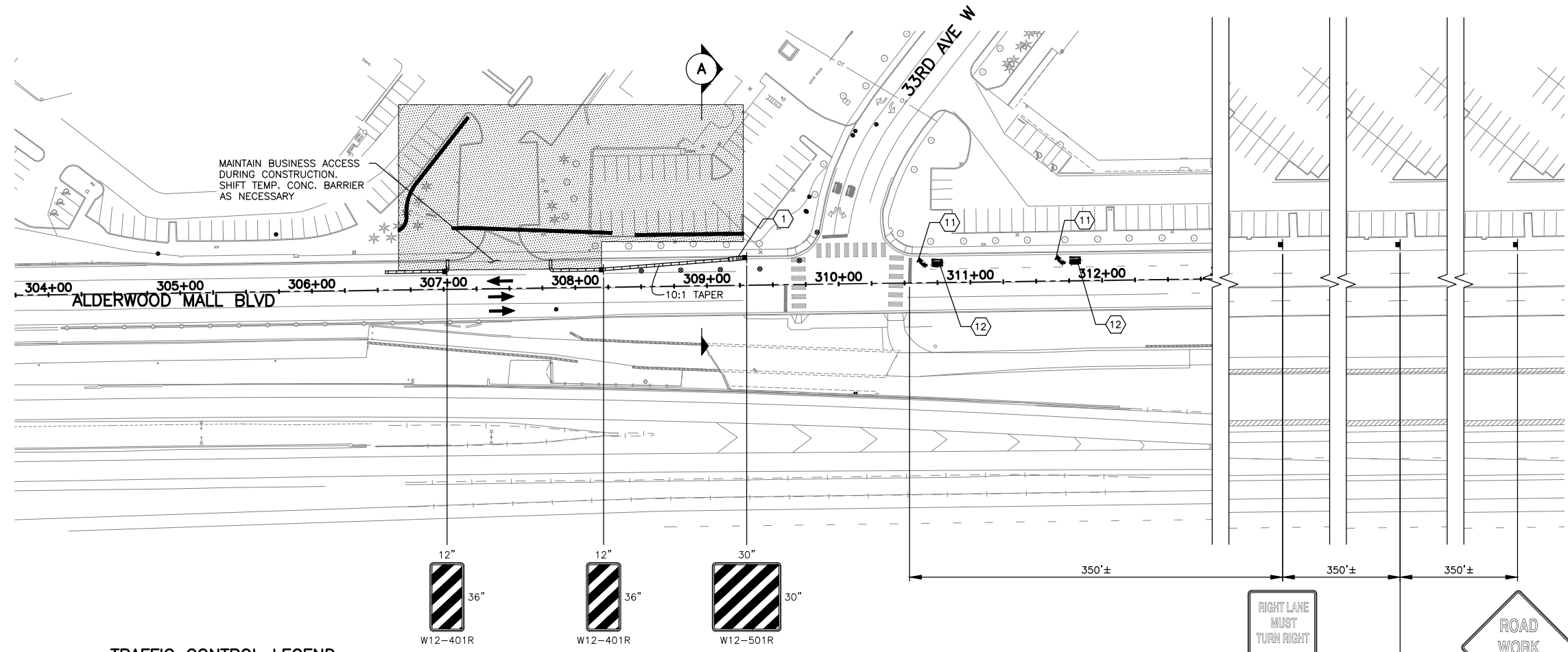
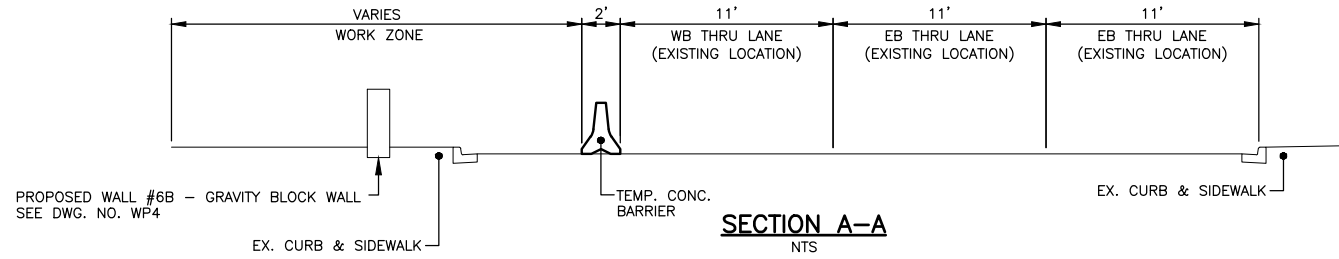
Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

SCALE
Horiz 1" = 50'
Vert N/A
Project Number 20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 2
TRAFFIC CONTROL PLAN

Drawing No.	TC8
Sheet No.	X
of Total	X

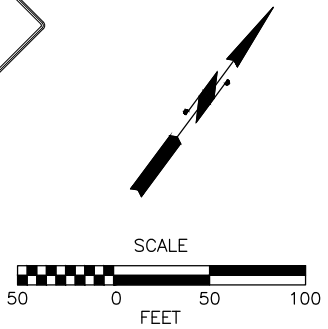
CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
35	30	60



- NOTES:**
- ALL SIGNS SHALL BE 48"x48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
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 - DEVICES SHALL NOT ENCR OACH INTO THE ADJACENT LANE.
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 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FOR A PROPOSED METHOD OF TRUCK ACCESS TO I-5 WORK AREAS.

- TRAFFIC CONTROL LEGEND:**
- CONSTRUCTION SIGN LOCATION
 - TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
 - TYPE 2 BARRICADE
 - SEQUENTIAL ARROW SIGN
 - TEMPORARY CONC. BARRIER
 - ACTIVE WORK AREA
 - TEMPORARY INTERURBAN TRAIL DETOUR
 - APPROXIMATE PROPOSED BUS STOP LOCATION
 - EXISTING BUS STOP LOCATION

- CONSTRUCTION NOTES:**
- PROVIDE TEMPORARY IMPACT ATTENUATOR AT LEADING END OF TEMPORARY CONC BARRIER ADJACENT TO TRAFFIC
 - INSTALL TEMPORARY TYPE 2SR TRAFFIC ARROW PER WSDOT STD PLAN M-24.40-02
 - INSTALL TEMPORARY TRAFFIC LETTERS PER WSDOT STD PLAN M-80.10-01



90% REVIEW
CHECK PRINT
NOT FOR CONSTRUCTION

May 10, 2023 11:12am sean.delavarpour X:\Lynnwood_City of\Projects\20100156 - Poplar Way Extension Bridge\CADD_v.2014\Plan Sheets\Traffic Control\20100156 TC9A.dwg Layout Name: TC9A

No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD WASHINGTON



Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

SCALE
Horiz 1" = 50'
Vert N/A
Project Number 20100156

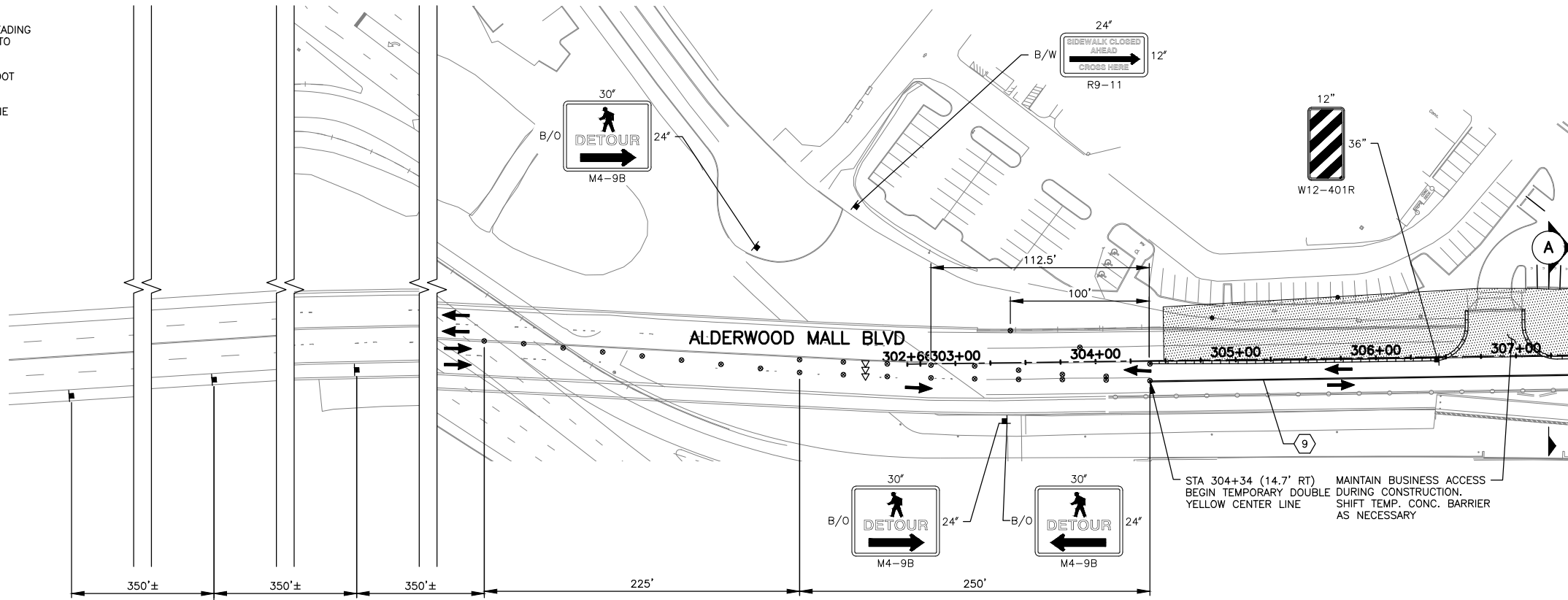
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 2
TRAFFIC CONTROL PLAN

Drawing No.	TC9A
Sheet No.	X
of Total	X

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
35	30	60

CONSTRUCTION NOTES:

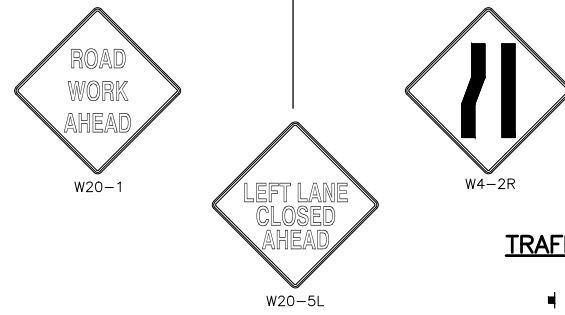
- ① PROVIDE TEMPORARY IMPACT ATTENUATOR AT LEADING END OF TEMPORARY CONC BARRIER ADJACENT TO TRAFFIC
- ⑦ INSTALL TEMPORARY WHITE EDGE LINE PER WSDOT STD PLAN M-20.10-04
- ⑨ INSTALL TEMPORARY DOUBLE YELLOW CENTERLINE PER WSDOT STD PLAN M-20.50-02



MATCH LINE
SEE DWG. NO. TC10

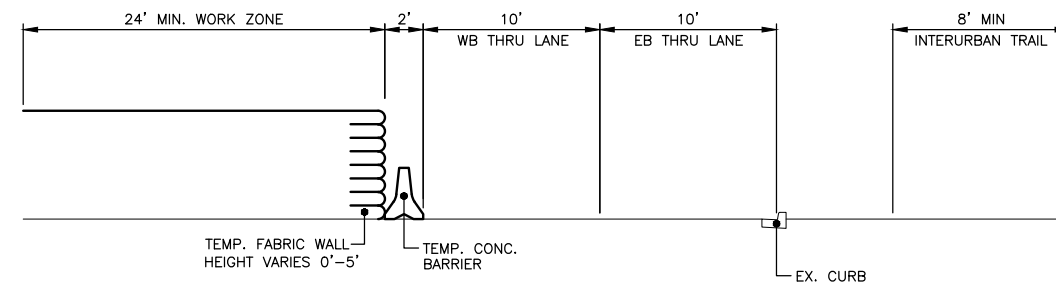
NOTES:

- 1. ALL SIGNS SHALL BE 48"X48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
- 2. SIGN LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- 3. CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
- 4. TYPE C WARNING LIGHTS SHALL BE ATTACHED TO TRAFFIC SAFETY DRUMS FOR NIGHT TIME WORK ACTIVITY.
- 5. DEVICES SHALL NOT ENCR OACH INTO THE ADJACENT LANE.
- 6. PEDESTRIAN ACCESS SHALL BE MAINTAINED FOR INTERURBAN TRAIL.
- 7. REMOVE EXISTING CHANNELIZATION WHERE CONFLICTS WITH TEMPORARY CHANNELIZATION.
- 8. TEMPORARY IMPACT ATTENUATORS SHALL NOT INCLUDE INERTIAL DRUMS.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FOR A PROPOSED METHOD OF TRUCK ACCESS TO 1-5 WORK AREAS.

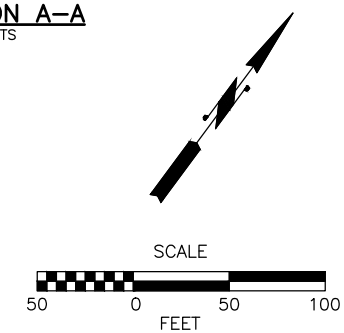


TRAFFIC CONTROL LEGEND:

- CONSTRUCTION SIGN LOCATION
- TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
- TYPE 2 BARRICADE
- ⇨⇨ SEQUENTIAL ARROW SIGN
- ▬ TEMPORARY CONC. BARRIER
- ▨ ACTIVE WORK AREA
- ▩ TEMPORARY INTERURBAN TRAIL DETOUR
- APPROXIMATE PROPOSED BUS STOP LOCATION
- EXISTING BUS STOP LOCATION



SECTION A-A
NTS



90% REVIEW
CHECK PRINT
NOT FOR CONSTRUCTION

May 10, 2023 11:12am sean.delavarpour X:\Projects\20100156 - Poplar Way Extension Bridge\CADD v.2014\Plan Sheets\Traffic Control\20100156 TC9B.dwg Layout Name: TC9

No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD WASHINGTON



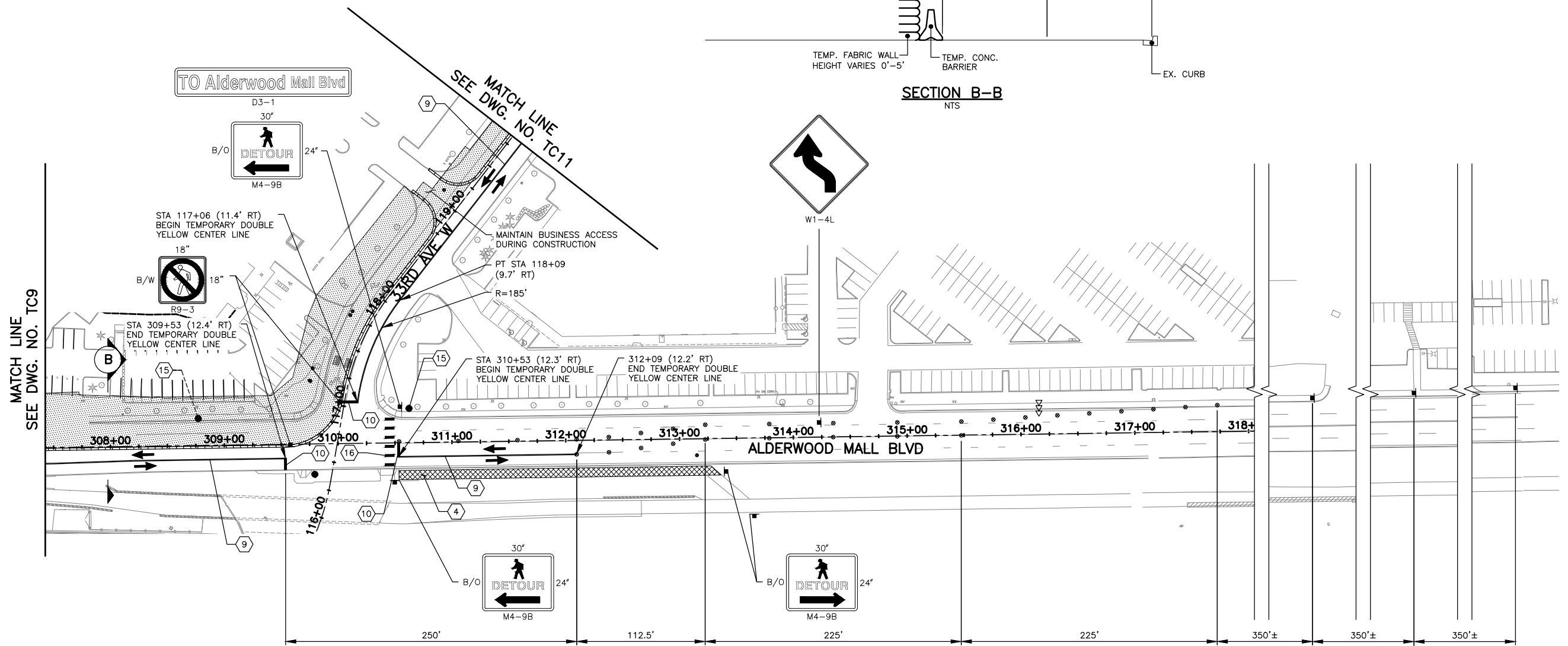
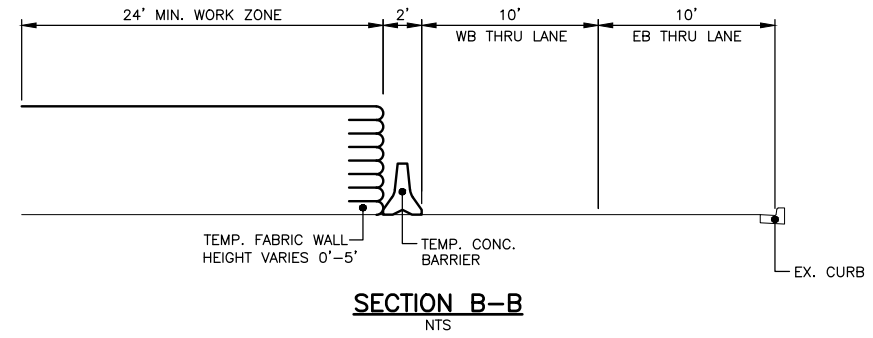
Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

SCALE	1" = 50'
Horiz	
Vert	N/A
Project Number	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 2
TRAFFIC CONTROL PLAN

Drawing No.	TC9B
Sheet No.	X
of Total	X

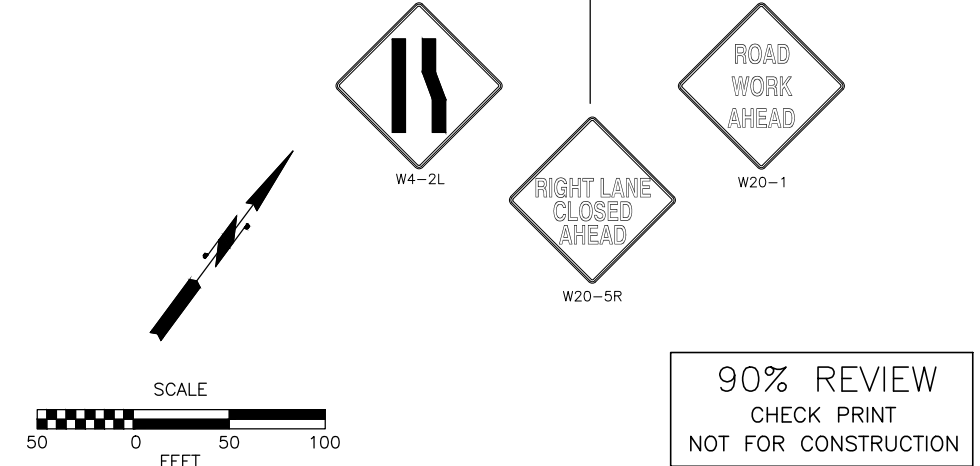
CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
35	30	60
30	20	40



- NOTES:**
- ALL SIGNS SHALL BE 48"x48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
 - SIGN LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
 - CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
 - TYPE C WARNING LIGHTS SHALL BE ATTACHED TO TRAFFIC SAFETY DRUMS FOR NIGHT TIME WORK ACTIVITY.
 - DEVICES SHALL NOT ENCR OACH INTO THE ADJACENT LANE.
 - PEDESTRIAN ACCESS SHALL BE MAINTAINED FOR INTERURBAN TRAIL.
 - REMOVE EXISTING CHANNELIZATION WHERE CONFLICTS WITH TEMPORARY CHANNELIZATION.
 - TEMPORARY IMPACT ATTENUATORS SHALL NOT INCLUDE INERTIAL DRUMS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FOR A PROPOSED METHOD OF TRUCK ACCESS TO 1-5 WORK AREAS.

- TRAFFIC CONTROL LEGEND:**
- CONSTRUCTION SIGN LOCATION
 - TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
 - TYPE 2 BARRICADE
 - SEQUENTIAL ARROW SIGN
 - TEMPORARY CONC. BARRIER
 - ACTIVE WORK AREA
 - TEMPORARY INTERURBAN TRAIL DETOUR
 - APPROXIMATE PROPOSED BUS STOP LOCATION
 - EXISTING BUS STOP LOCATION

- CONSTRUCTION NOTES:**
- 4 CONSTRUCT TEMPORARY TRAIL CONNECTION:
 - MIN 2" HMA CL 3/4" PG 58H-22 OVER 4" CSTC
 - INSTALL CEMENT CONC. CURB AND GUTTER AT EDGE OF ROAD
 - MIN 4' WIDTH FROM BACK OF CURB
 - 2% MAX CROSS SLOPE
 - MATCH ROADWAY RUNNING SLOPE
 - 9 INSTALL TEMPORARY DOUBLE YELLOW CENTERLINE PER WSDOT STD PLAN M-20.50-02
 - 10 INSTALL TEMPORARY STOP LINE PER WSDOT STD PLAN M-24.60-04
 - 15 RELOCATE BUS STOP
 - 16 INSTALL TEMPORARY CROSSWALK PER WSDOT STD PLAN M-15.10-01



90% REVIEW
CHECK PRINT
NOT FOR CONSTRUCTION

May 10, 2023 11:12am sean.delavarpour X:\Lynnwood_City of\Projects\20100156 - Poplar Way Extension Bridge\CADD_v.2014\Plan Sheets\Traffic Control\20100156 TC9B.dwg Layout Name: TC10

No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD WASHINGTON



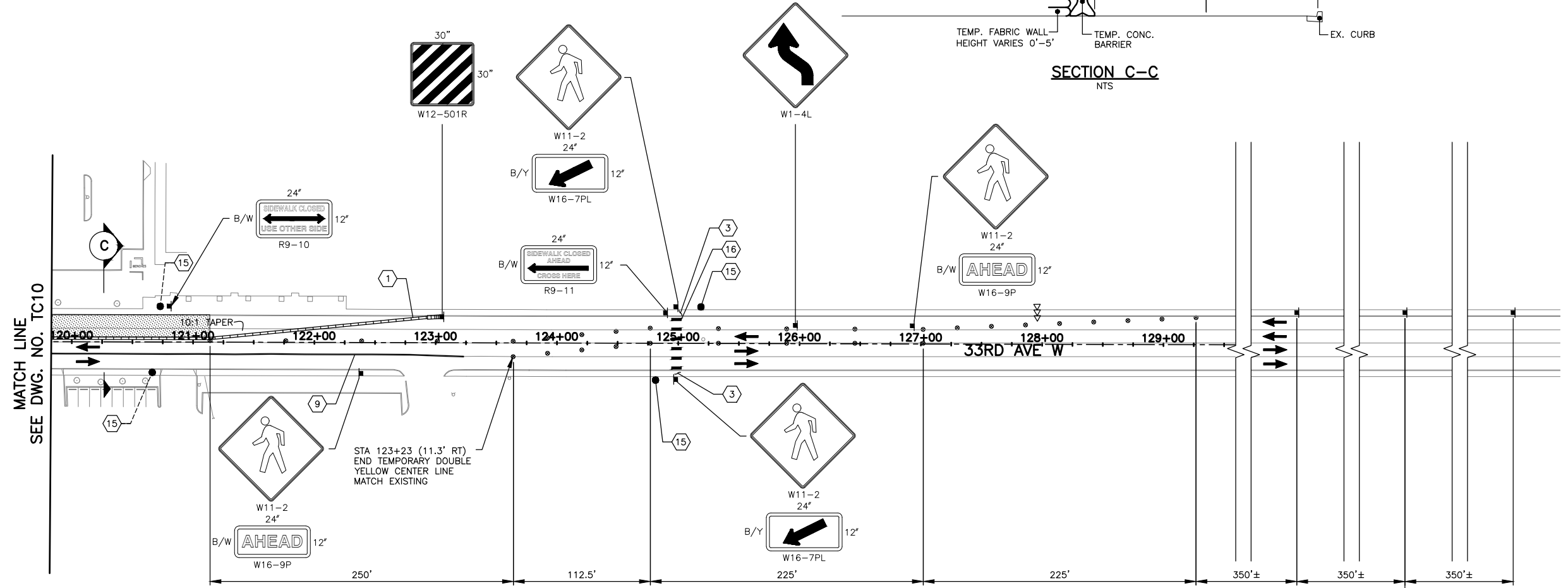
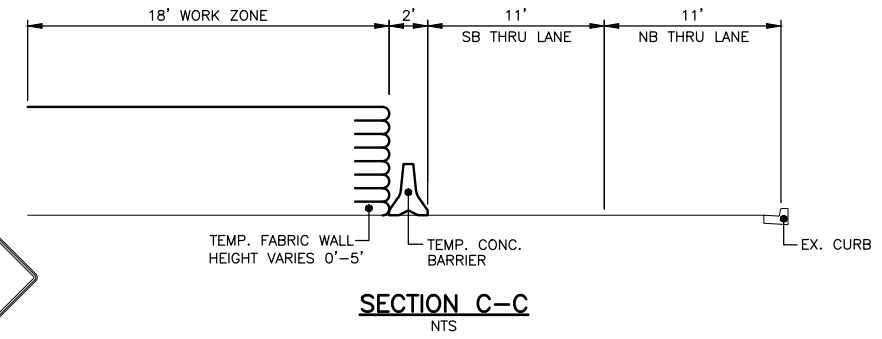
Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

SCALE
Horiz 1" = 50'
Vert N/A
Project Number 20100156

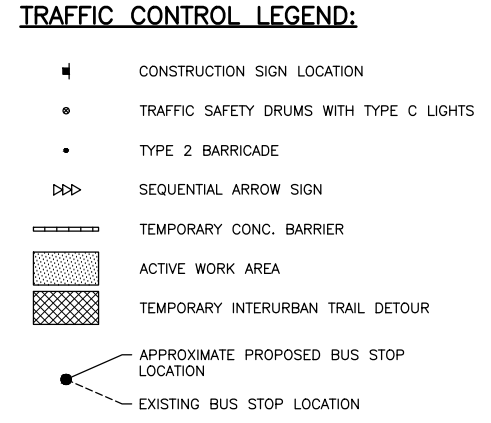
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 2
TRAFFIC CONTROL PLAN

Drawing No.	TC10
Sheet No.	X
of Total	X

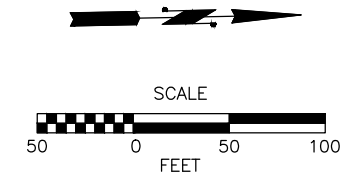
CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
30	20	40



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 - TEMPORARY IMPACT ATTENUATORS SHALL NOT INCLUDE INERTIAL DRUMS.
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- CONSTRUCTION NOTES:**
- PROVIDE TEMPORARY IMPACT ATTENUATOR AT LEADING END OF TEMPORARY CONC BARRIER ADJACENT TO TRAFFIC
 - PROVIDE TEMPORARY PEDESTRIAN RAMP
 - INSTALL TEMPORARY DOUBLE YELLOW CENTERLINE PER WSDOT STD PLAN M-20.10-04
 - INSTALL TEMPORARY CROSSWALK PER WSDOT STD PLAN M-15.10-01



90% REVIEW
CHECK PRINT
NOT FOR CONSTRUCTION

May 10, 2023 11:13am sean.delavarpour X:\lynwood\City of\Projects\20100156 - Poplar Way Extension Bridge\CADD_v.2014\Plan Sheets\Traffic Control\20100156 TC9B.dwg Layout Name: TC11

No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
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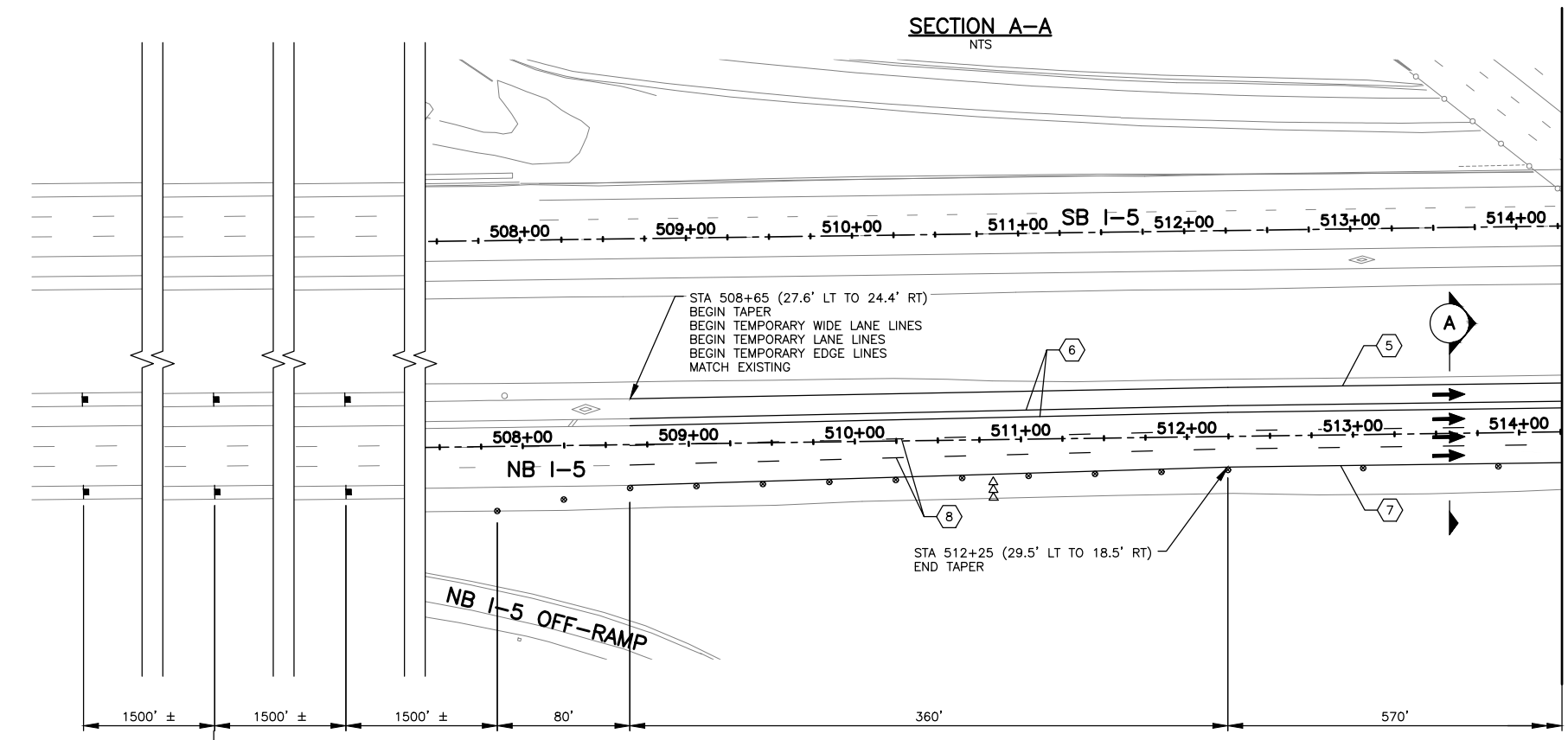
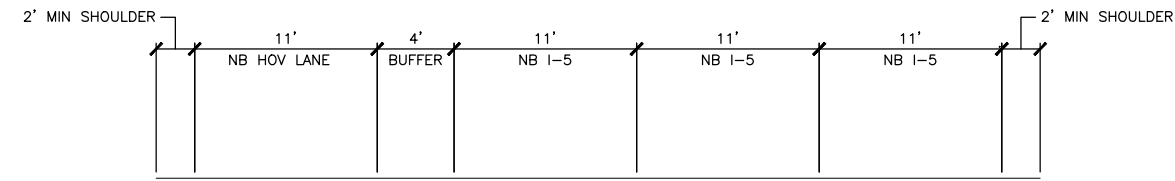
Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

SCALE
Horiz 1" = 50'
Vert N/A
Project Number 20100156

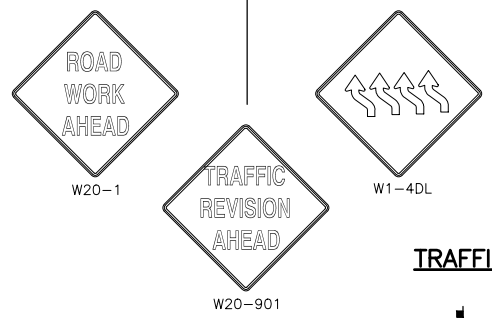
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 2
TRAFFIC CONTROL PLAN

Drawing No.	TC11
Sheet No.	X
of Total	X

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
60	40	80



MATCH LINE
SEE DWG. NO. TC13



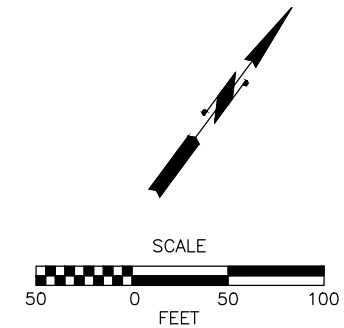
- NOTES:**
- ALL SIGNS SHALL BE 48"x48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
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 - CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
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 - TEMPORARY IMPACT ATTENUATORS SHALL NOT INCLUDE INERTIAL DRUMS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FOR A PROPOSED METHOD OF TRUCK ACCESS TO I-5 WORK AREAS.

TRAFFIC CONTROL LEGEND:

- CONSTRUCTION SIGN LOCATION
- TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
- TYPE 2 BARRICADE
- ⇨⇨ SEQUENTIAL ARROW SIGN
- ▬ TEMPORARY CONC. BARRIER
- ▨ ACTIVE WORK AREA
- ▩ TEMPORARY INTERURBAN TRAIL DETOUR
- APPROXIMATE PROPOSED BUS STOP LOCATION
- EXISTING BUS STOP LOCATION

CONSTRUCTION NOTES:

- ⑤ INSTALL TEMPORARY YELLOW EDGE LINE PER WSDOT STD PLAN M-20.10-04
- ⑥ INSTALL TEMPORARY WIDE LANE LINE PER WSDOT STD PLAN M-20.10-04
- ⑦ INSTALL TEMPORARY WHITE EDGE LINE PER WSDOT STD PLAN M-20.10-04
- ⑧ INSTALL TEMPORARY LANE LINE PER WSDOT STD PLAN M-20.10-04



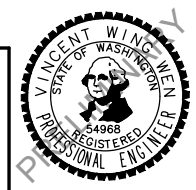
90% REVIEW
CHECK PRINT
NOT FOR CONSTRUCTION

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No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
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LYNNWOOD WASHINGTON

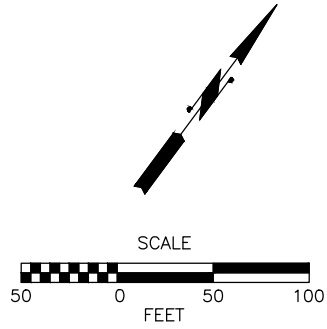


Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

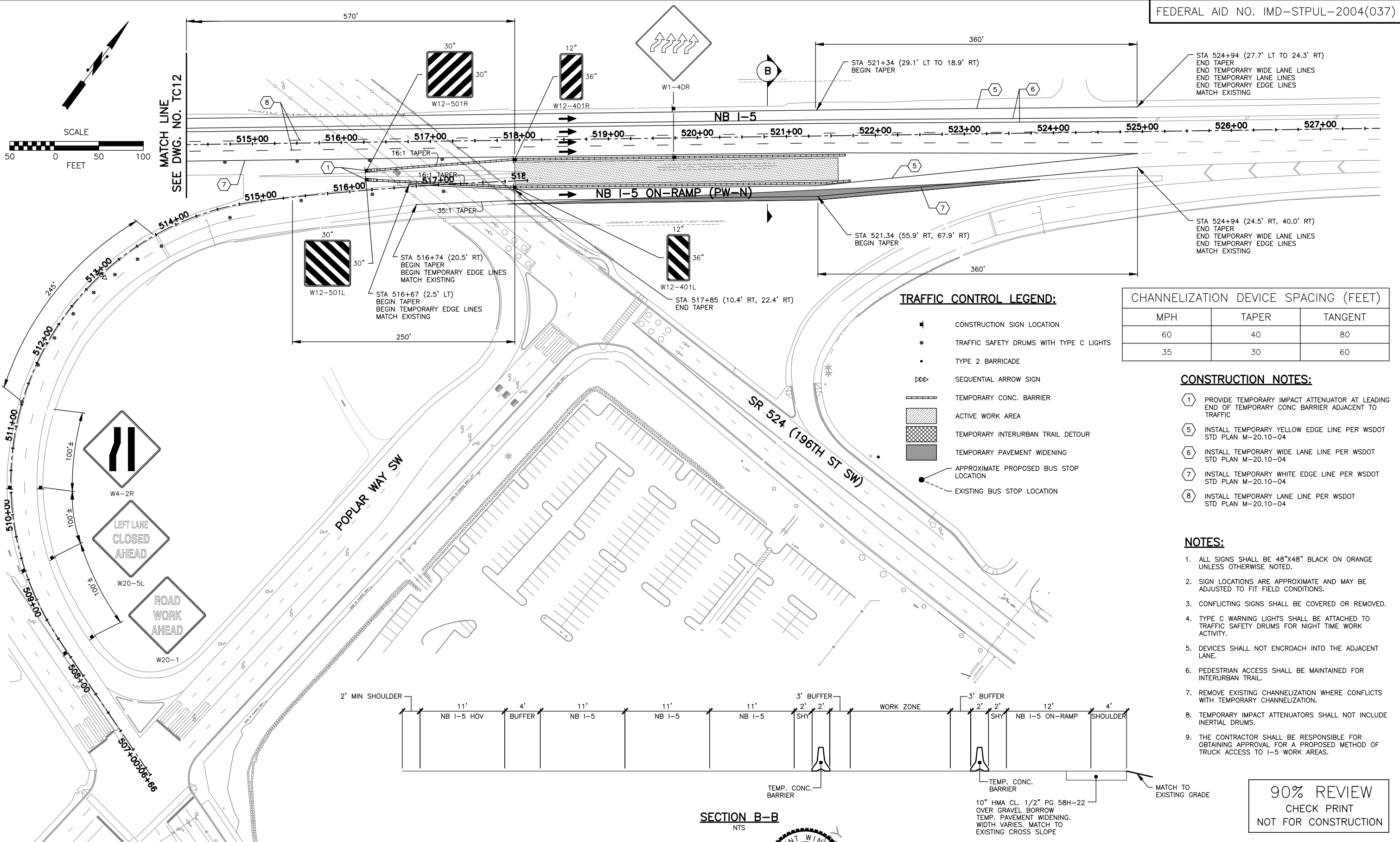
SCALE
Horiz 1" = 50'
Vert N/A
Project Number 20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 3
TRAFFIC CONTROL PLAN

Drawing No.	TC12
Sheet No.	X
of Total	X



MATCH LINE
SEE DWG. NO. TC12



TRAFFIC CONTROL LEGEND:

- CONSTRUCTION SIGN LOCATION
- TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
- TYPE 2 BARRICADE
- ⇨⇨ SEQUENTIAL ARROW SIGN
- ▬▬▬ TEMPORARY CONC. BARRIER
- ▨▨▨ ACTIVE WORK AREA
- ▩▩▩ TEMPORARY INTERURBAN TRAIL DETOUR
- ▭▭▭ TEMPORARY PAVEMENT WIDENING
- APPROXIMATE PROPOSED BUS STOP LOCATION
- EXISTING BUS STOP LOCATION

CHANNELIZATION DEVICE SPACING (FEET)

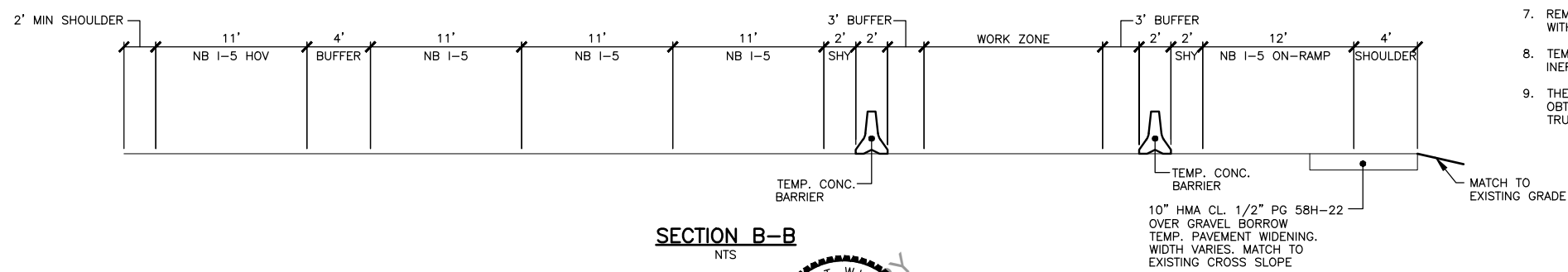
MPH	TAPER	TANGENT
60	40	80
35	30	60

CONSTRUCTION NOTES:

- 1 PROVIDE TEMPORARY IMPACT ATTENUATOR AT LEADING END OF TEMPORARY CONC BARRIER ADJACENT TO TRAFFIC
- 5 INSTALL TEMPORARY YELLOW EDGE LINE PER WSDOT STD PLAN M-20.10-04
- 6 INSTALL TEMPORARY WIDE LANE LINE PER WSDOT STD PLAN M-20.10-04
- 7 INSTALL TEMPORARY WHITE EDGE LINE PER WSDOT STD PLAN M-20.10-04
- 8 INSTALL TEMPORARY LANE LINE PER WSDOT STD PLAN M-20.10-04

NOTES:

1. ALL SIGNS SHALL BE 48"X48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
2. SIGN LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
3. CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
4. TYPE C WARNING LIGHTS SHALL BE ATTACHED TO TRAFFIC SAFETY DRUMS FOR NIGHT TIME WORK ACTIVITY.
5. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANE.
6. PEDESTRIAN ACCESS SHALL BE MAINTAINED FOR INTERURBAN TRAIL.
7. REMOVE EXISTING CHANNELIZATION WHERE CONFLICTS WITH TEMPORARY CHANNELIZATION.
8. TEMPORARY IMPACT ATTENUATORS SHALL NOT INCLUDE INERTIAL DRUMS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FOR A PROPOSED METHOD OF TRUCK ACCESS TO I-5 WORK AREAS.



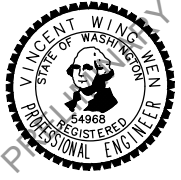
90% REVIEW
CHECK PRINT
NOT FOR CONSTRUCTION

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No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
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LYNNWOOD WASHINGTON



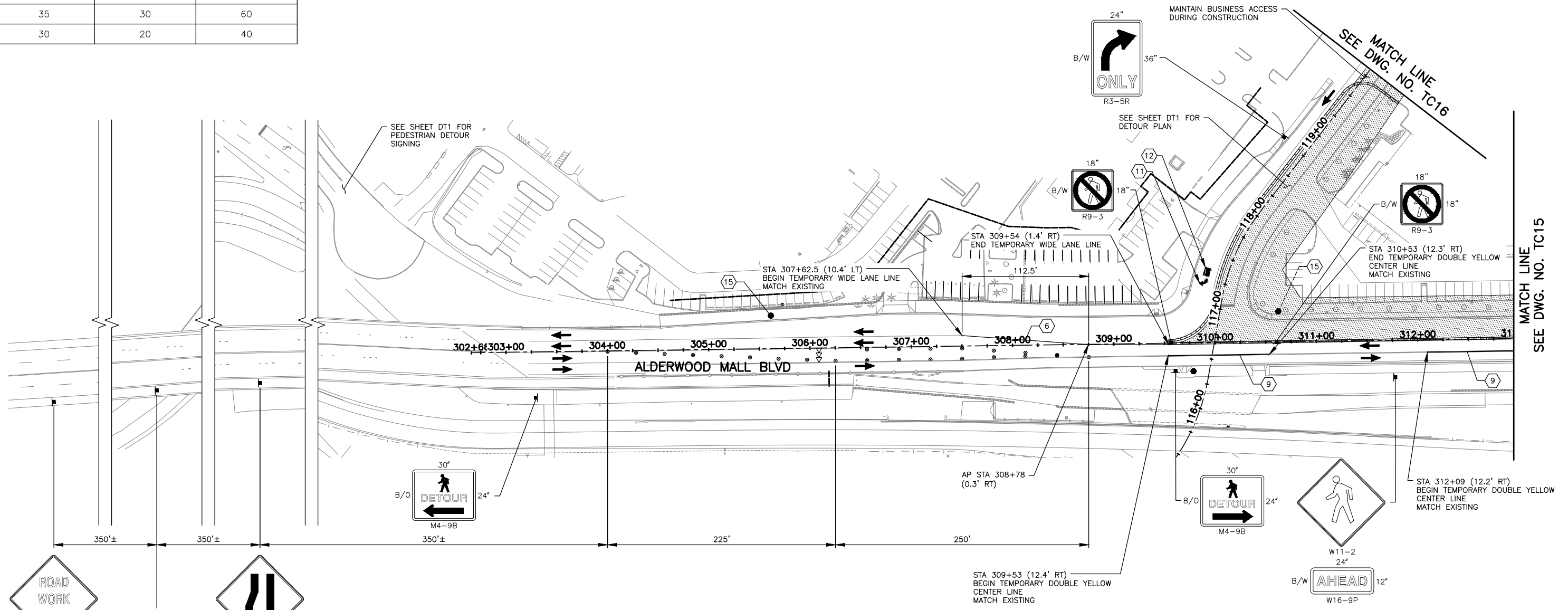
Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Date	5/2023
Checked By	V. WEN	Date	5/2023
Approved By	V. WEN	Date	5/2023

SCALE	1" = 50'
Horiz	1" = 50'
Vert	N/A
Project Number	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 3
TRAFFIC CONTROL PLAN

Drawing No.
TC13
Sheet No.
X of Total

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
35	30	60
30	20	40



NOTES:

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- TEMPORARY IMPACT ATTENUATORS SHALL NOT INCLUDE INERTIAL DRUMS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FOR A PROPOSED METHOD OF TRUCK ACCESS TO I-5 WORK AREAS.

TRAFFIC CONTROL LEGEND:

- CONSTRUCTION SIGN LOCATION
- TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
- TYPE 2 BARRICADE
- SEQUENTIAL ARROW SIGN
- TEMPORARY CONC. BARRIER
- ACTIVE WORK AREA
- TEMPORARY INTERURBAN TRAIL DETOUR
- APPROXIMATE PROPOSED BUS STOP LOCATION
- EXISTING BUS STOP LOCATION

CONSTRUCTION NOTES:

- 6 INSTALL TEMPORARY WIDE LANE LINE PER WSDOT STD PLAN M-20.10-04
- 9 INSTALL TEMPORARY DOUBLE YELLOW CENTERLINE PER WSDOT STD PLAN M-20.10-04
- 11 INSTALL TEMPORARY TYPE 2SR TRAFFIC ARROW PER WSDOT STD PLAN M-24.40-02
- 12 INSTALL TEMPORARY TRAFFIC LETTERS PER WSDOT STD PLAN M-80.10-01
- 15 RELOCATE BUS STOP

90% REVIEW
CHECK PRINT
NOT FOR CONSTRUCTION

May 10, 2023 11:14am senn.delavarpour X:\Lynnwood_City of\Projects\20100156 - Poplar Way Extension Bridge\CADD_v.2014\Plan Sheets\Traffic Control\20100156 TC14.dwg Layout Name: TC14

No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

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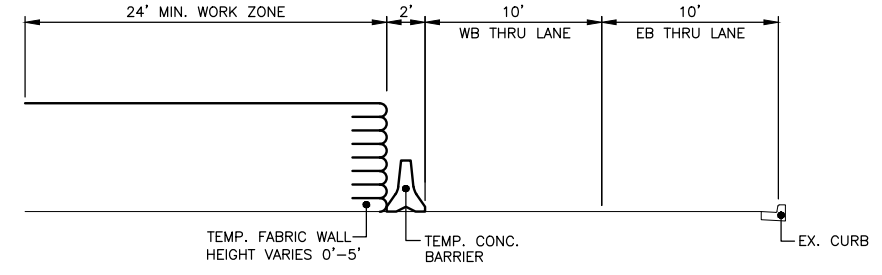


Drawn By S. DELAVARPOUR	Date 5/2023	SCALE Horiz 1" = 50' Vert N/A Project Number 20100156
Designed By E. BORGES	5/2023	
Checked By V. WEN	5/2023	
Approved By V. WEN	5/2023	

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 3
TRAFFIC CONTROL PLAN

Drawing No. TC14
Sheet No. X of Total

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
35	30	60

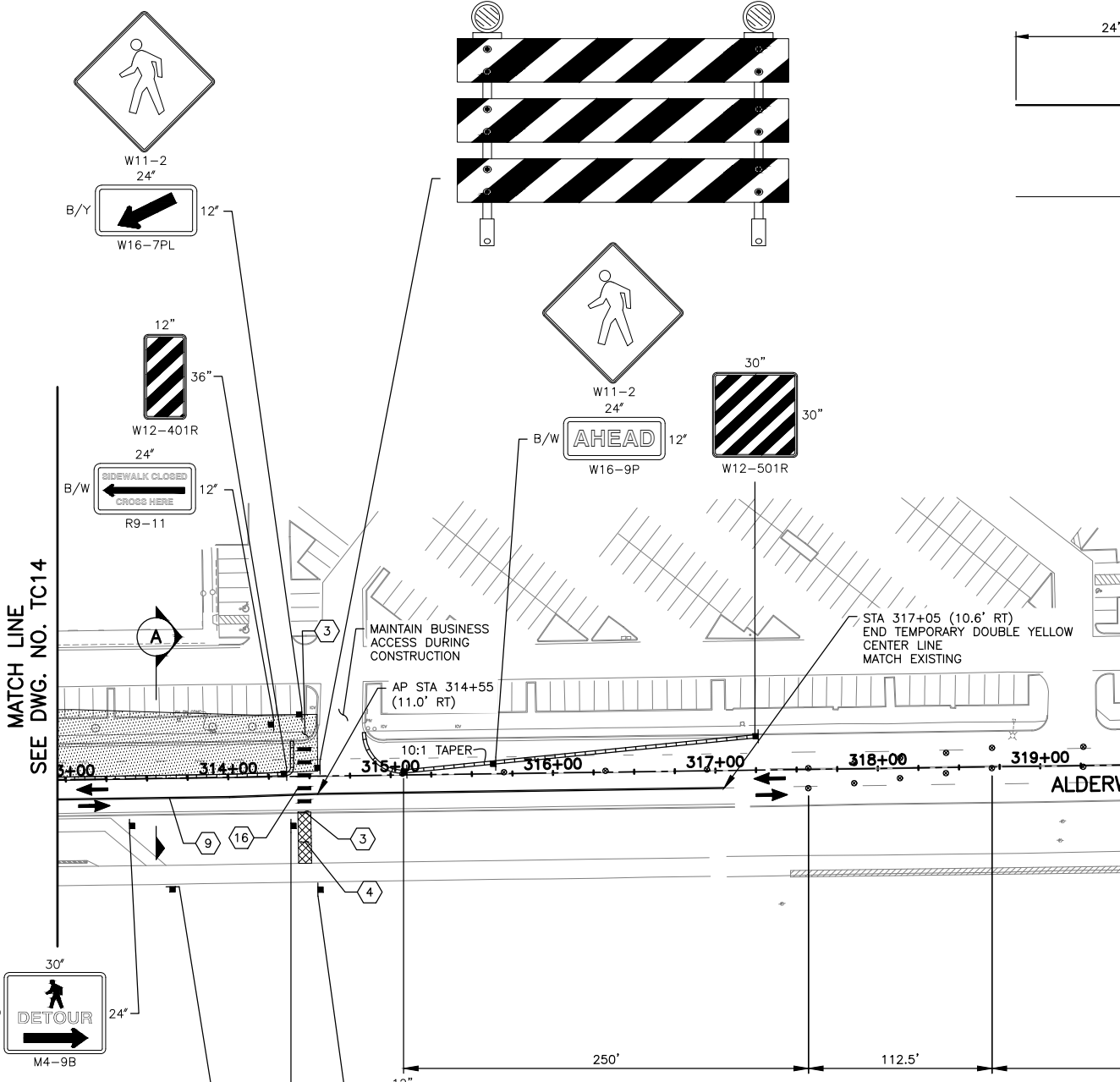


SECTION A-A
NTS

CONSTRUCTION NOTES:

- 1 PROVIDE TEMPORARY IMPACT ATTENUATOR AT LEADING END OF TEMPORARY CONC BARRIER ADJACENT TO TRAFFIC
- 3 PROVIDE TEMPORARY PEDESTRIAN RAMP
- 4 CONSTRUCT TEMPORARY TRAIL CONNECTION:
 - MIN 2" HMA CL 1/2 PG 58H-22 OVER 4" CSTC
 - MIN 4' WIDTH
 - 2% MAX CROSS SLOPE
 - 5% MAX RUNNING SLOPE
- 9 INSTALL TEMPORARY DOUBLE YELLOW CENTERLINE PER WSDOT STD PLAN M-20.10-04
- 16 INSTALL TEMPORARY CROSSWALK PER WSDOT STD PLAN M-15.10-01

MATCH LINE SEE DWG. NO. TC14

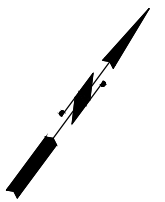
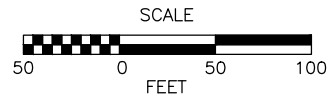


TRAFFIC CONTROL LEGEND:

- CONSTRUCTION SIGN LOCATION
- TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
- TYPE 2 BARRICADE
- ⇄ SEQUENTIAL ARROW SIGN
- ▬ TEMPORARY CONC. BARRIER
- ▨ ACTIVE WORK AREA
- ▩ TEMPORARY INTERURBAN TRAIL DETOUR
- APPROXIMATE PROPOSED BUS STOP LOCATION
- EXISTING BUS STOP LOCATION

NOTES:

1. ALL SIGNS SHALL BE 48"X48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
2. SIGN LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
3. CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
4. TYPE C WARNING LIGHTS SHALL BE ATTACHED TO TRAFFIC SAFETY DRUMS FOR NIGHT TIME WORK ACTIVITY.
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6. PEDESTRIAN ACCESS SHALL BE MAINTAINED FOR INTERURBAN TRAIL.
7. REMOVE EXISTING CHANNELIZATION WHERE CONFLICTS WITH TEMPORARY CHANNELIZATION.
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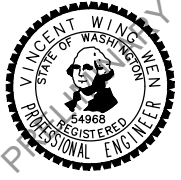
90% REVIEW
CHECK PRINT
NOT FOR CONSTRUCTION

May 10, 2023 11:14am sean.delavarpour X:\Lynnwood_City of\Projects\20100156 - Poplar Way Extension Bridge\CADD_v.2014\Plan Sheets\Traffic Control\20100156 TC14.dwg Layout Name: TC15

No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD WASHINGTON



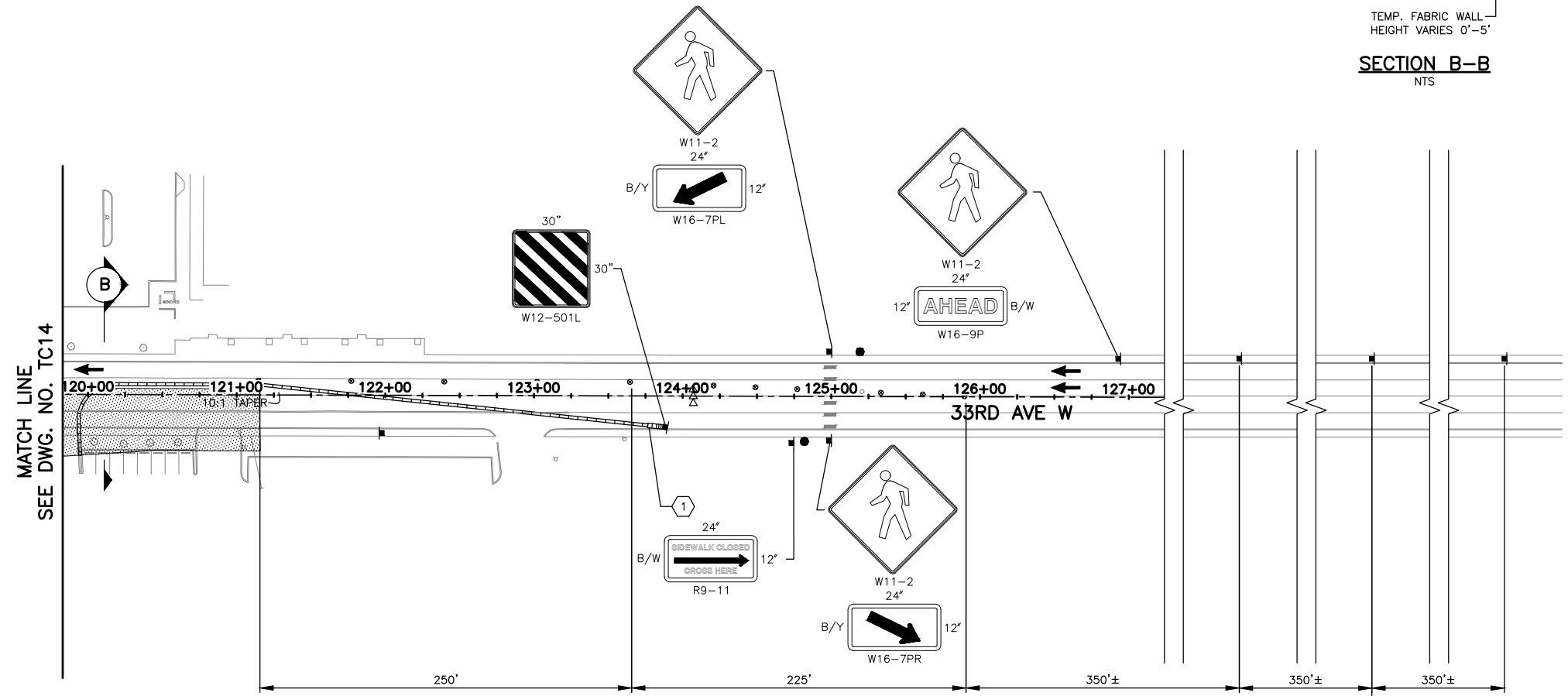
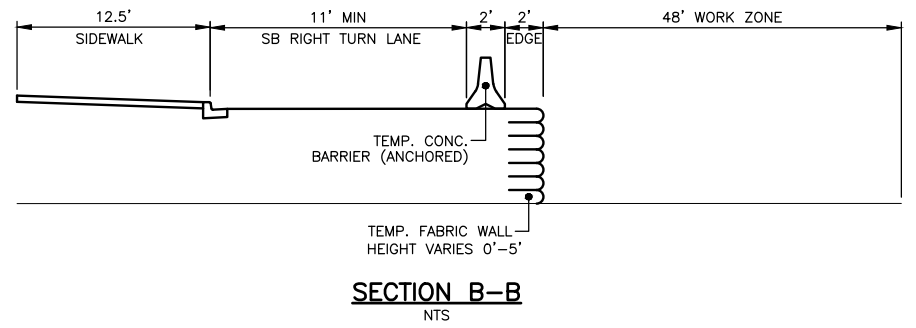
Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	5/2023	
Checked By	V. WEN	5/2023	
Approved By	V. WEN	5/2023	

SCALE	1" = 50'
Horiz	N/A
Vert	N/A
Project Number	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 3
TRAFFIC CONTROL PLAN

Drawing No.	TC15
Sheet No.	X of Total

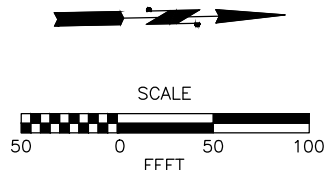
CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
30	20	40



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- TRAFFIC CONTROL LEGEND:**
- CONSTRUCTION SIGN LOCATION
 - TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
 - TYPE 2 BARRICADE
 - SEQUENTIAL ARROW SIGN
 - TEMPORARY CONC. BARRIER
 - ACTIVE WORK AREA
 - TEMPORARY INTERURBAN TRAIL DETOUR
 - APPROXIMATE PROPOSED BUS STOP LOCATION
 - EXISTING BUS STOP LOCATION

- CONSTRUCTION NOTES:**
- PROVIDE TEMPORARY IMPACT ATTENUATOR AT LEADING END OF TEMPORARY CONC BARRIER ADJACENT TO TRAFFIC



90% REVIEW
CHECK PRINT
NOT FOR CONSTRUCTION

May 10, 2023 11:14am sean.delavarpour X:\Projects\20100156 - Poplar Way Extension Bridge\CADD v.2014\Plan Sheets\Traffic Control\20100156 TC14.dwg Layout Name: TC16

No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD WASHINGTON



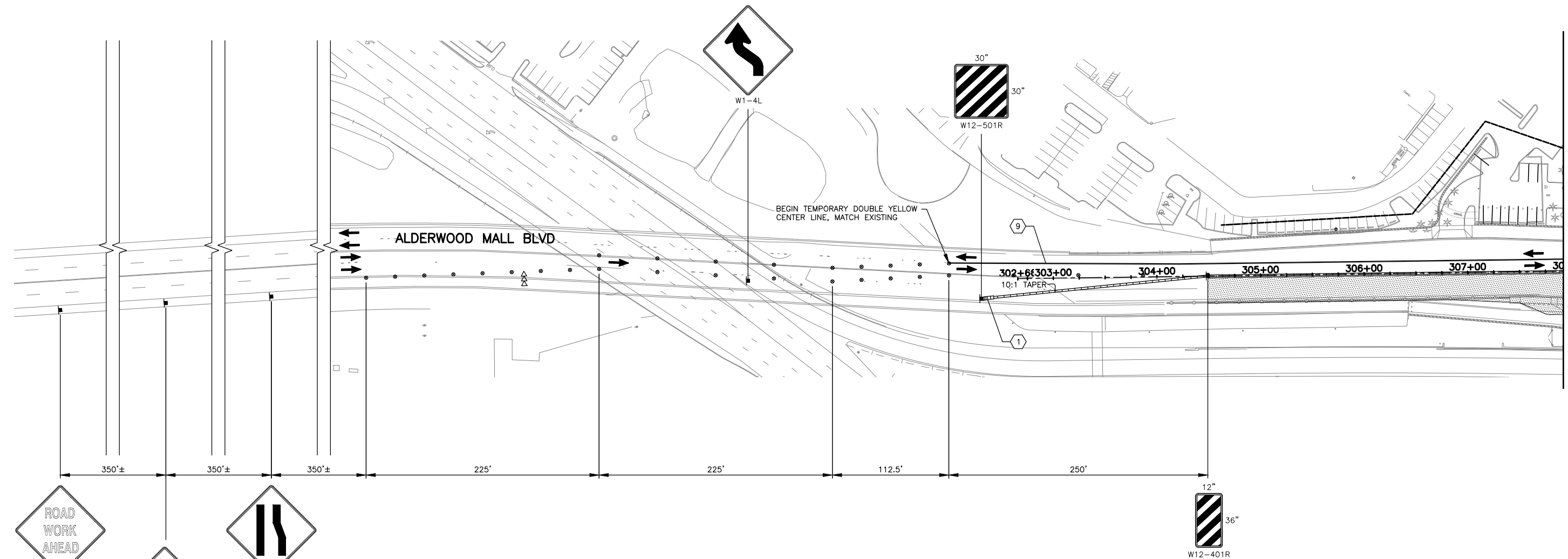
Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	5/2023	
Checked By	V. WEN	5/2023	
Approved By	V. WEN	5/2023	

SCALE	1" = 50'
Horiz	N/A
Vert	N/A
Project Number	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 3
TRAFFIC CONTROL PLAN

Drawing No.	TC16
Sheet No.	X
of Total	X

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
35	30	60



MATCH LINE
SEE DWG. NO. TC18

NOTES:

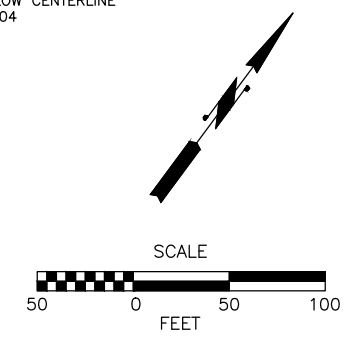
- ALL SIGNS SHALL BE 48"X48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
- SIGN LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
- TYPE C WARNING LIGHTS SHALL BE ATTACHED TO TRAFFIC SAFETY DRUMS FOR NIGHT TIME WORK ACTIVITY.
- DEVICES SHALL NOT ENCR OACH INTO THE ADJACENT LANE.
- PEDESTRIAN ACCESS SHALL BE MAINTAINED FOR INTERURBAN TRAIL.
- REMOVE EXISTING CHANNELIZATION WHERE CONFLICTS WITH TEMPORARY CHANNELIZATION.
- TEMPORARY IMPACT ATTENUATORS SHALL NOT INCLUDE INERTIAL DRUMS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FOR A PROPOSED METHOD OF TRUCK ACCESS TO 1-5 WORK AREAS.

TRAFFIC CONTROL LEGEND:

- CONSTRUCTION SIGN LOCATION
- TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
- TYPE 2 BARRICADE
- SEQUENTIAL ARROW SIGN
- TEMPORARY CONC. BARRIER
- ACTIVE WORK AREA
- TEMPORARY INTERURBAN TRAIL DETOUR
- APPROXIMATE PROPOSED BUS STOP LOCATION
- EXISTING BUS STOP LOCATION

CONSTRUCTION NOTES:

- PROVIDE TEMPORARY IMPACT ATTENUATOR AT LEADING END OF TEMPORARY CONC BARRIER ADJACENT TO TRAFFIC
- INSTALL TEMPORARY DOUBLE YELLOW CENTERLINE PER WSDOT STD PLAN M-20.10-04



90% REVIEW
CHECK PRINT
NOT FOR CONSTRUCTION

May 10, 2023 11:15am X:\Lynnwood_City of\Projects\20100156 - Poplar Way Extension Bridge\CADD v.2014\Plan Sheets\Traffic Control\20100156 TC17.dwg Layout Name: TC17

No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD WASHINGTON



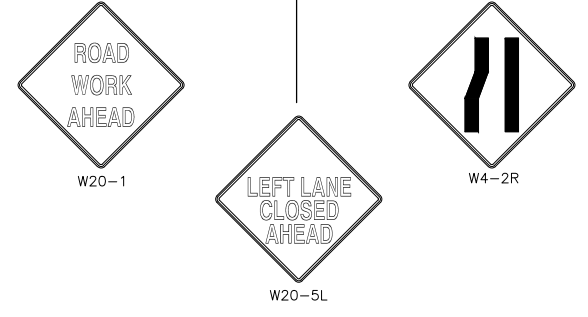
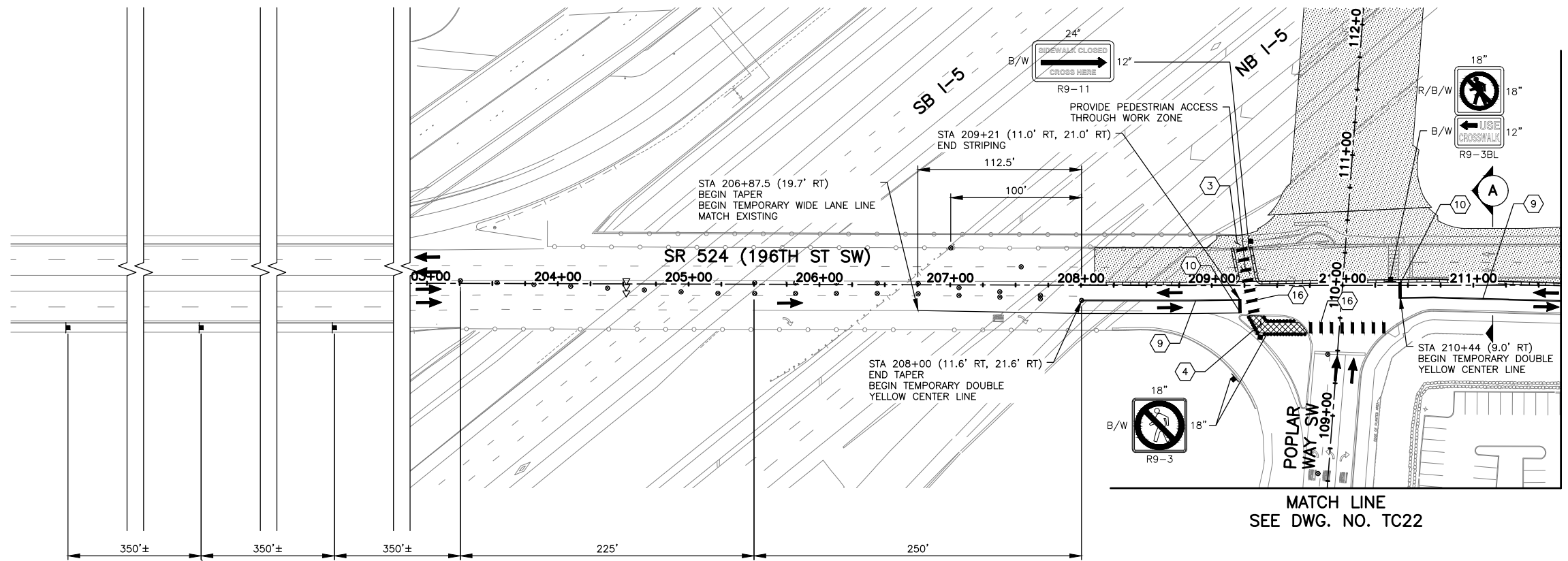
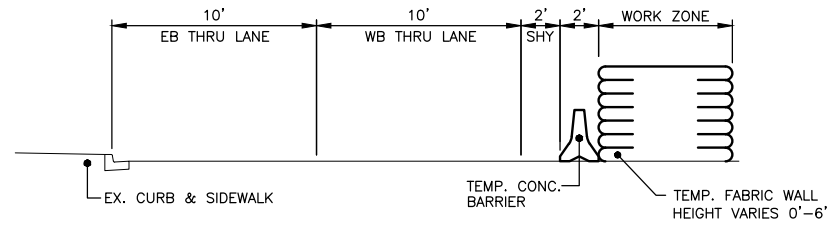
Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Date	5/2023
Checked By	V. WEN	Date	5/2023
Approved By	V. WEN	Date	5/2023

SCALE	1" = 50'
Horiz	N/A
Vert	N/A
Project Number	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 4
TRAFFIC CONTROL PLAN

Drawing No.	TC17
Sheet No.	X
of Total	X

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
35	30	60



NOTES:

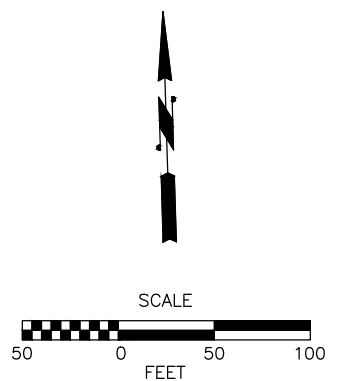
- ALL SIGNS SHALL BE 48"x48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
- SIGN LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
- TYPE C WARNING LIGHTS SHALL BE ATTACHED TO TRAFFIC SAFETY DRUMS FOR NIGHT TIME WORK ACTIVITY.
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- REMOVE EXISTING CHANNELIZATION WHERE CONFLICTS WITH TEMPORARY CHANNELIZATION.
- TEMPORARY IMPACT ATTENUATORS SHALL NOT INCLUDE INERTIAL DRUMS.
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TRAFFIC CONTROL LEGEND:

- CONSTRUCTION SIGN LOCATION
- TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
- TYPE 2 BARRICADE
- SEQUENTIAL ARROW SIGN
- TEMPORARY CONC. BARRIER
- ACTIVE WORK AREA
- TEMPORARY PEDESTRIAN WALKWAY
- APPROXIMATE PROPOSED BUS STOP LOCATION
- EXISTING BUS STOP LOCATION

CONSTRUCTION NOTES:

- PROVIDE TEMPORARY PEDESTRIAN RAMP
- CONSTRUCT TEMPORARY PEDESTRIAN WALKWAY:
 - SAWCUT WALKWAY THROUGH TRAFFIC ISLAND
 - MIN 2" HMA CL 1/2" PG 58H-22 OVER 4" CSTC
 - MIN 4' WIDTH
 - MATCH ROADWAY SLOPE
- INSTALL TEMPORARY DOUBLE YELLOW CENTERLINE PER WSDOT STD PLAN M-20.10-04
- INSTALL TEMPORARY STOP LINE PER WSDOT STD PLAN M-24.60-04
- INSTALL TEMPORARY CROSSWALK PER WSDOT STD PLAN M-15.10-01



90% REVIEW
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May 10, 2023 11:16am X:\Lynnwood_City of\Projects\20100156 - Poplar Way Extension Bridge\CADD_v.2014\Plan Sheets\Traffic Control\20100156 TC19.dwg Layout Name: TC19

No.	Date	Revision	By	Appr.

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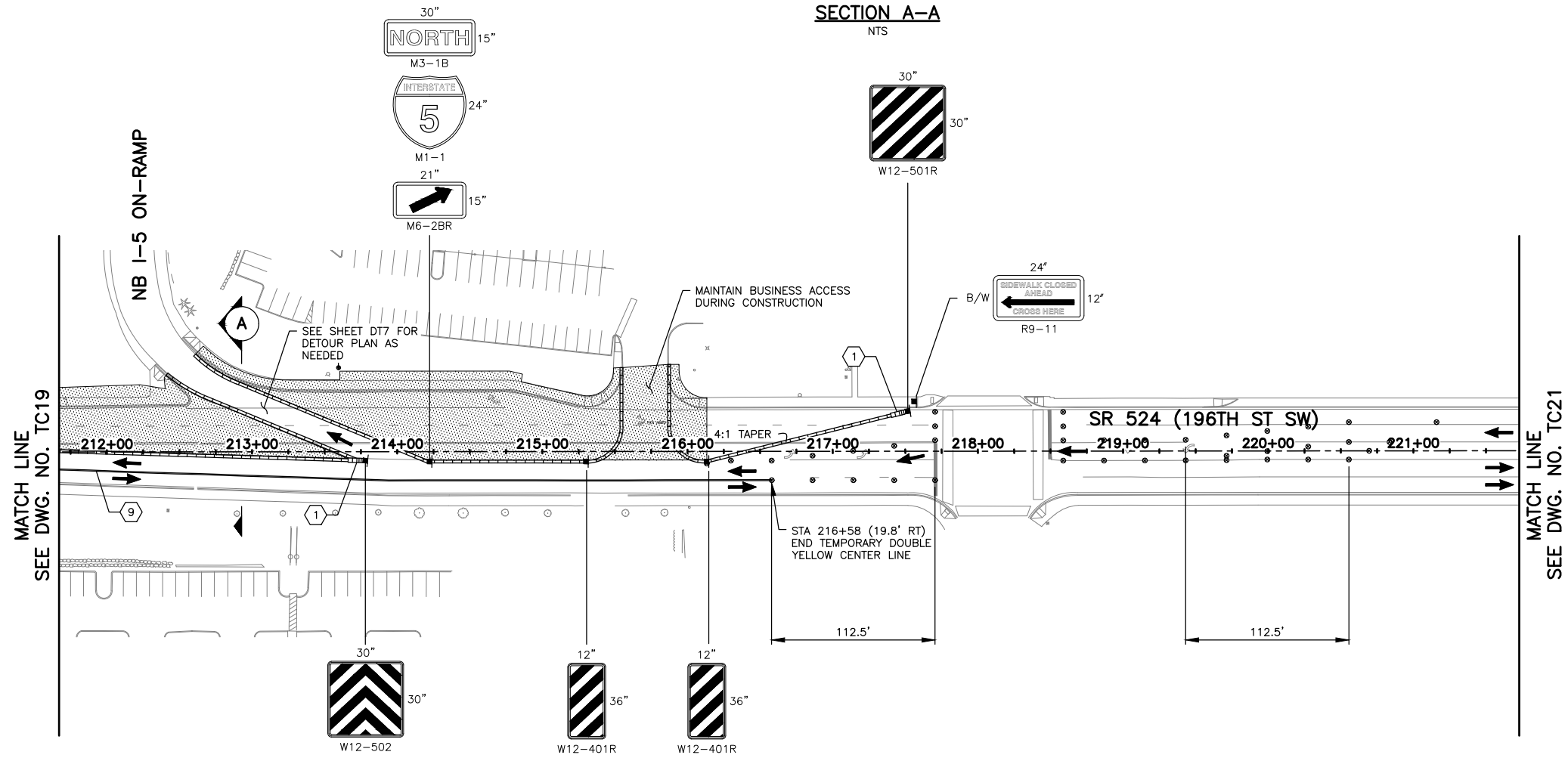
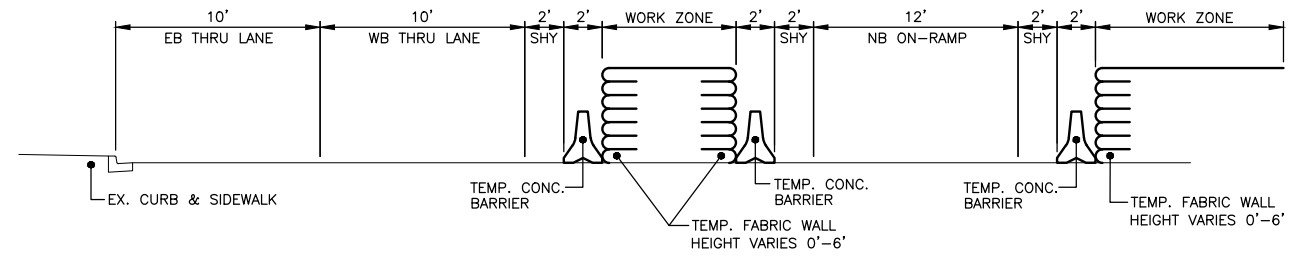
Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

SCALE
Horiz 1" = 50'
Vert N/A
Project Number 20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 5
TRAFFIC CONTROL PLAN

Drawing No.	TC19
Sheet No.	X
of Total	X

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
35	30	60



NOTES:

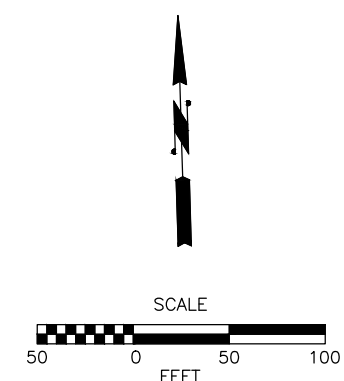
- ALL SIGNS SHALL BE 48"x48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
- SIGN LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
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- TYPE C WARNING LIGHTS SHALL BE ATTACHED TO TRAFFIC SAFETY DRUMS FOR NIGHT TIME WORK ACTIVITY.
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TRAFFIC CONTROL LEGEND:

- CONSTRUCTION SIGN LOCATION
- TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
- TYPE 2 BARRICADE
- SEQUENTIAL ARROW SIGN
- TEMPORARY CONC. BARRIER
- ACTIVE WORK AREA
- TEMPORARY INTERURBAN TRAIL DETOUR
- APPROXIMATE PROPOSED BUS STOP LOCATION
- EXISTING BUS STOP LOCATION

CONSTRUCTION NOTES:

- ① PROVIDE TEMPORARY IMPACT ATTENUATOR AT LEADING END OF TEMPORARY CONC BARRIER ADJACENT TO TRAFFIC
- ⑨ INSTALL TEMPORARY DOUBLE YELLOW CENTERLINE PER WSDOT STD PLAN M-20.10-04



90% REVIEW
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May 10, 2023 - 11:16am sean.delavarpour X:\Lynnwood_City of\Projects\20100156 - Poplar Way Extension Bridge\CADD v.2014\Plan Sheets\Traffic Control\20100156 TC19.dwg Layout Name: TC20

No.	Date	Revision	By	Appr.

PERTEET
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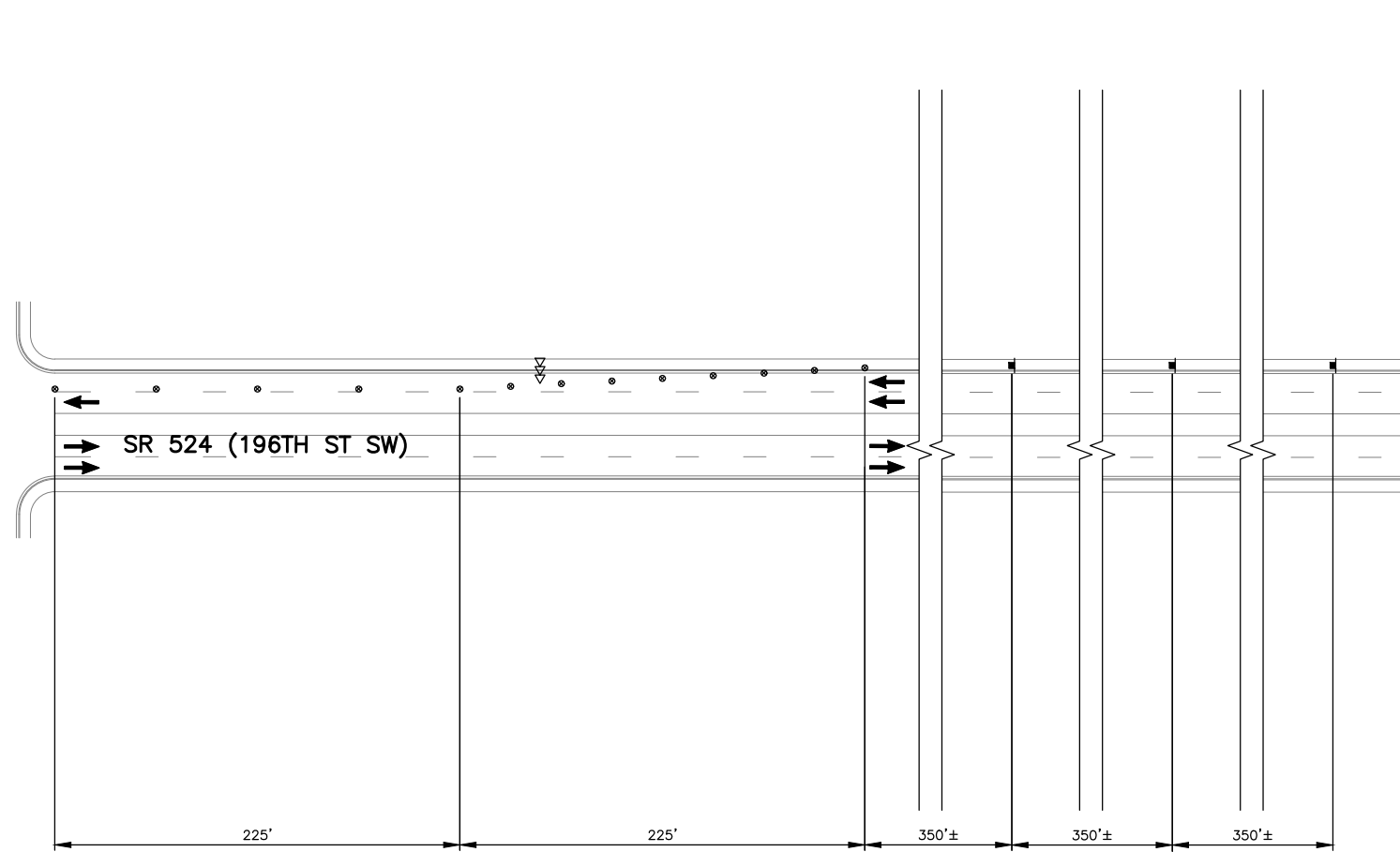
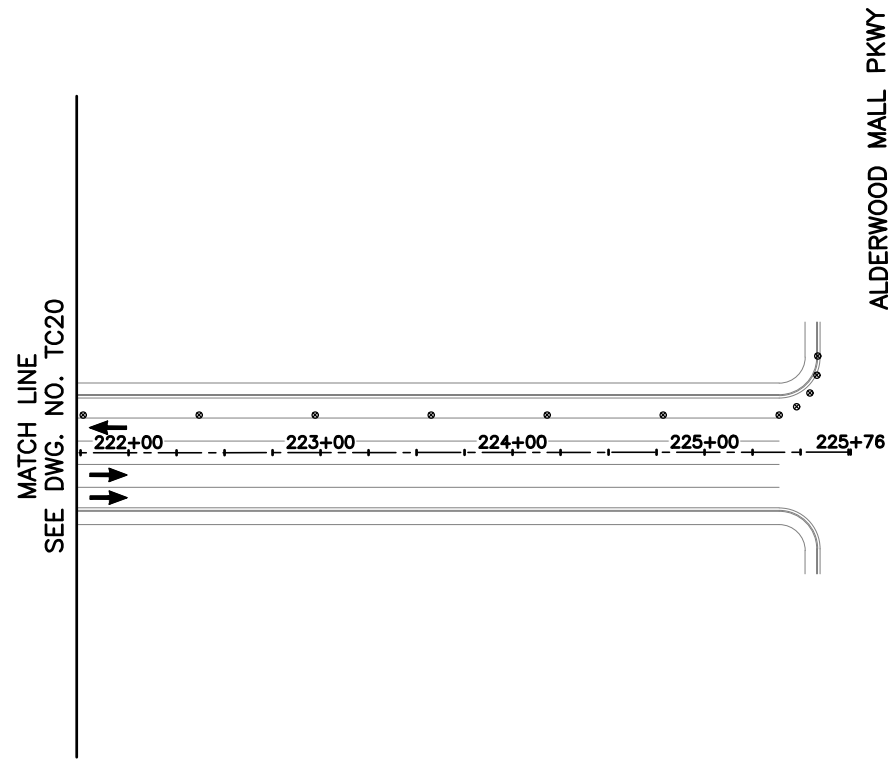
Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

SCALE
Horiz 1" = 50'
Vert N/A
Project Number 20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 5
TRAFFIC CONTROL PLAN

Drawing No.	TC20
Sheet No.	X
of Total	X

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
35	30	60

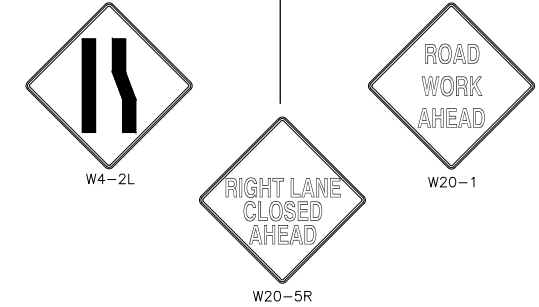


NOTES:

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TRAFFIC CONTROL LEGEND:

- CONSTRUCTION SIGN LOCATION
- TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
- TYPE 2 BARRICADE
- SEQUENTIAL ARROW SIGN
- TEMPORARY CONC. BARRIER
- ACTIVE WORK AREA
- TEMPORARY INTERURBAN TRAIL DETOUR
- APPROXIMATE PROPOSED BUS STOP LOCATION
- EXISTING BUS STOP LOCATION



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May 10, 2023 11:16am senn.delavarpour X:\Lynnwood_City of\Projects\20100156 - Poplar Way Extension Bridge\CADD_v.2014\Plan Sheets\Traffic Control\20100156 TC21.dwg Layout Name: TC21

No.	Date	Revision	By	Appr.

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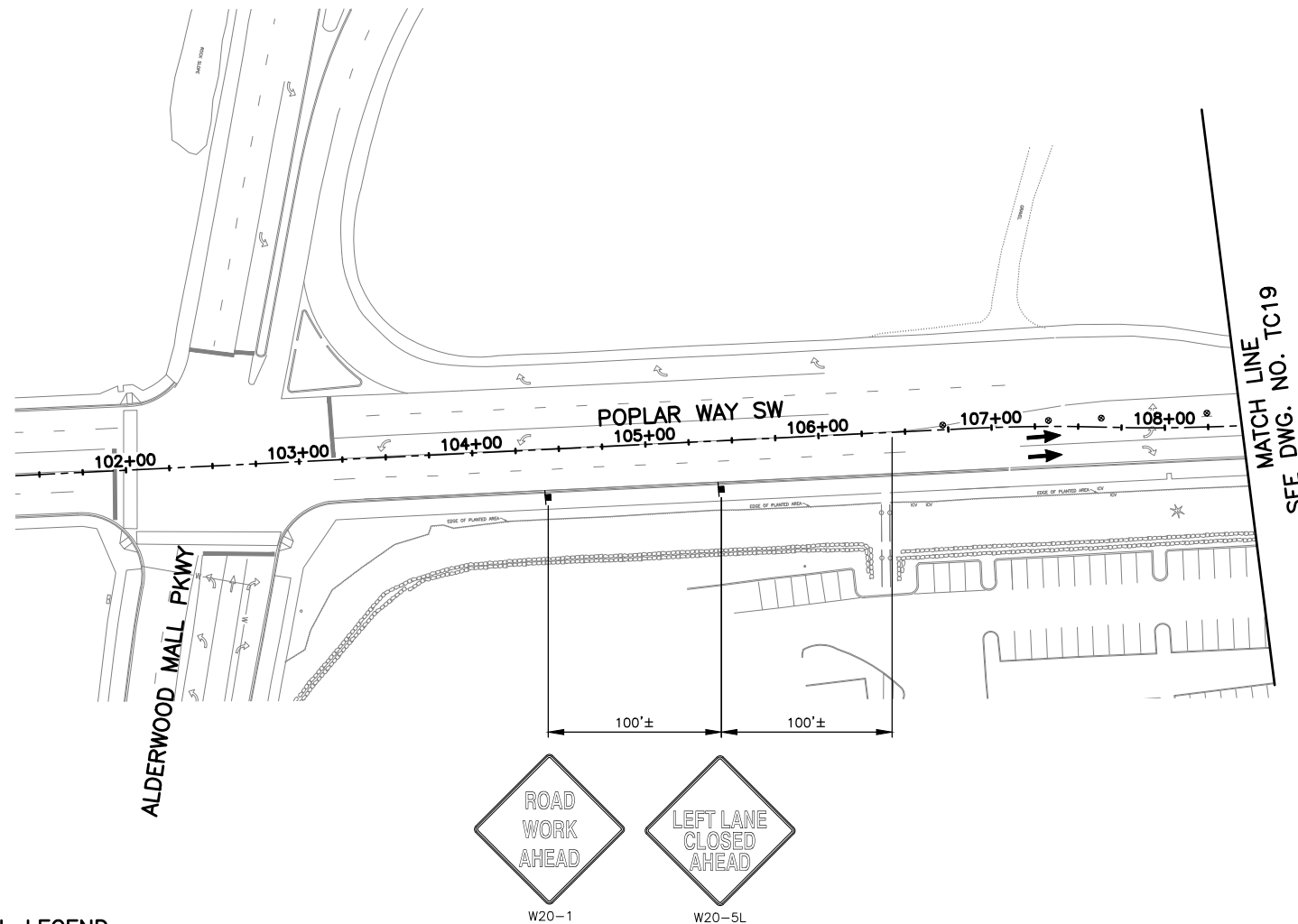
Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES		5/2023
Checked By	V. WEN		5/2023
Approved By	V. WEN		5/2023

SCALE	1" = 50'
Horiz	N/A
Vert	N/A
Project Number	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 5
TRAFFIC CONTROL PLAN

Drawing No.	TC21
Sheet No.	X
of Total	X

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
30	20	40

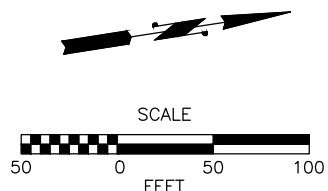
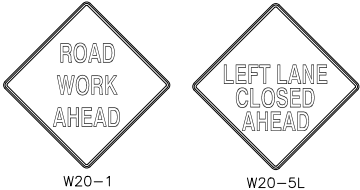


NOTES:

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- DEVICES SHALL NOT ENCR OACH INTO THE ADJACENT LANE.
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- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FOR A PROPOSED METHOD OF TRUCK ACCESS TO 1-5 WORK AREAS.

TRAFFIC CONTROL LEGEND:

- CONSTRUCTION SIGN LOCATION
- TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
- TYPE 2 BARRICADE
- ⇨⇨ SEQUENTIAL ARROW SIGN
- ▬ TEMPORARY CONC. BARRIER
- ▨ ACTIVE WORK AREA
- ▩ TEMPORARY INTERURBAN TRAIL DETOUR
- APPROXIMATE PROPOSED BUS STOP LOCATION
- EXISTING BUS STOP LOCATION



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May 10, 2023 11:16am sean.delavarpour X:\Projects\20100156 - Poplar Way Extension Bridge\CADD v.2014\Plan Sheets\Traffic Control\20100156 TC19.dwg Layout Name: TC22

No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
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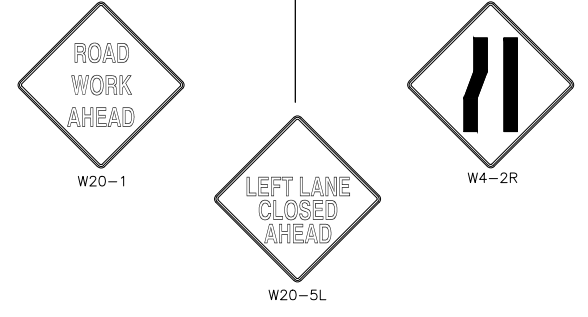
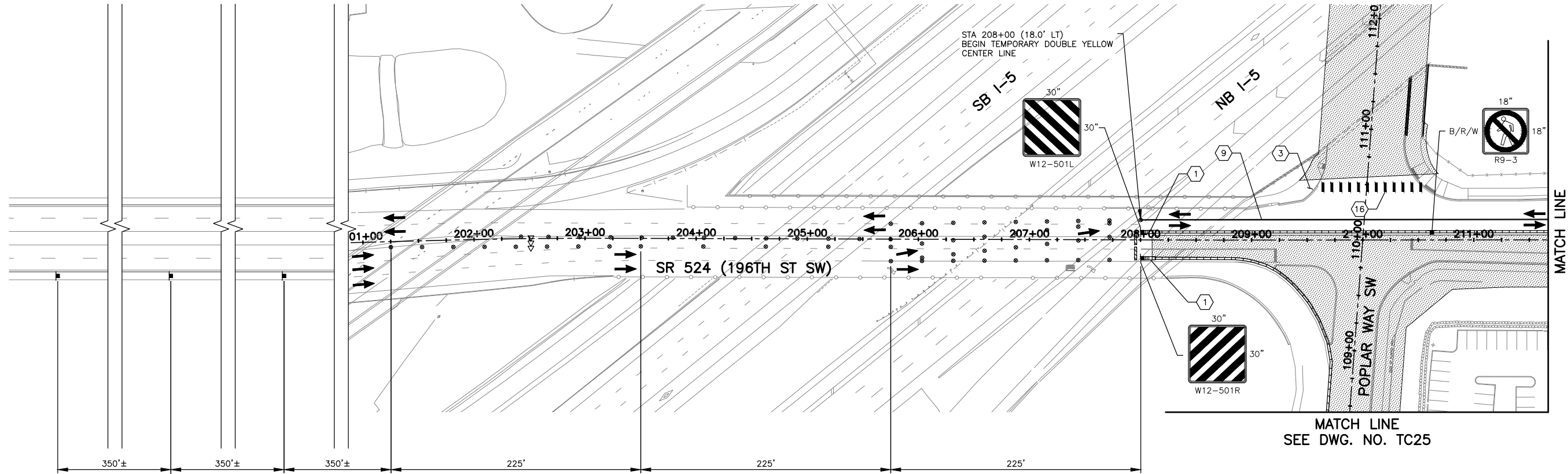
Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

SCALE
Horiz 1" = 50'
Vert N/A
Project Number 20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 5
TRAFFIC CONTROL PLAN

Drawing No.	TC22
Sheet No.	X
of Total	X

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
35	30	60



NOTES:

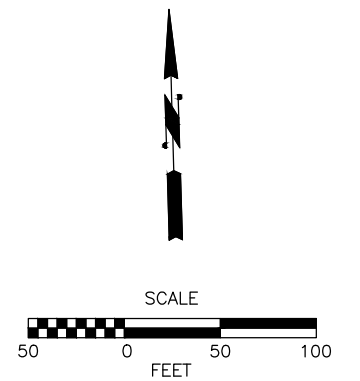
- ALL SIGNS SHALL BE 48"x48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
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TRAFFIC CONTROL LEGEND:

- CONSTRUCTION SIGN LOCATION
- TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
- TYPE 2 BARRICADE
- SEQUENTIAL ARROW SIGN
- TEMPORARY CONC. BARRIER
- ACTIVE WORK AREA
- TEMPORARY INTERURBAN TRAIL DETOUR
- APPROXIMATE PROPOSED BUS STOP LOCATION
- EXISTING BUS STOP LOCATION

CONSTRUCTION NOTES:

- PROVIDE TEMPORARY IMPACT ATTENUATOR AT LEADING END OF TEMPORARY CONC BARRIER ADJACENT TO TRAFFIC
- PROVIDE TEMPORARY PEDESTRIAN RAMP
- INSTALL TEMPORARY DOUBLE YELLOW CENTERLINE PER WSDOT STD PLAN M-20.10-04
- INSTALL TEMPORARY CROSSWALK PER WSDOT STD PLAN M-15.10-01



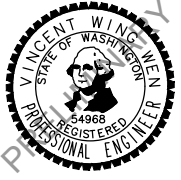
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May 10, 2023 - 11:16am sean.delavarpour X:\Projects\20100156 - Poplar Way Extension Bridge\CADD v.2014\Plan Sheets\Traffic Control\20100156 TC23.dwg Layout Name: TC23

No.	Date	Revision	By	Appr.

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2707 COLBY AVENUE, SUITE 900
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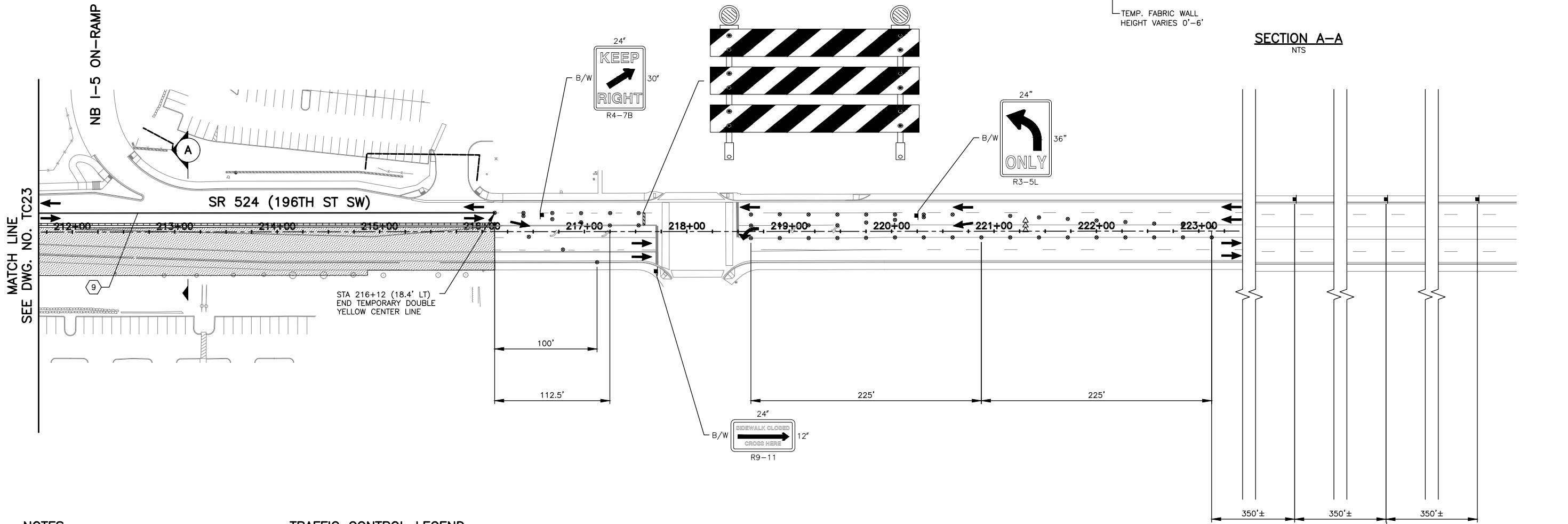
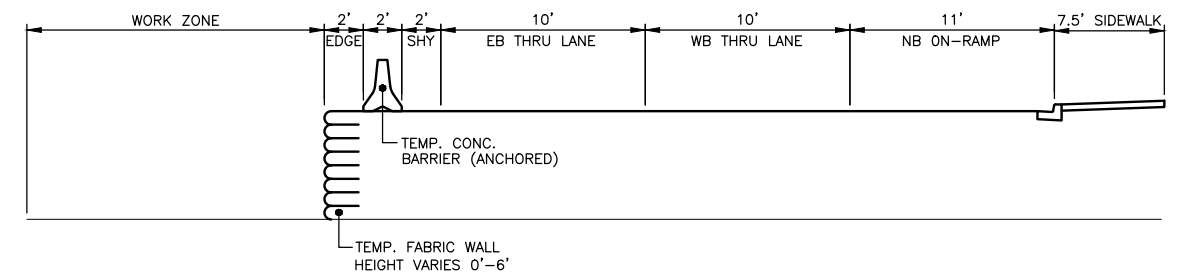
Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	5/2023	
Checked By	V. WEN	5/2023	
Approved By	V. WEN	5/2023	

SCALE	1" = 50'
Horiz	N/A
Vert	N/A
Project Number	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 6
TRAFFIC CONTROL PLAN

Drawing No.	TC23
Sheet No.	X
of Total	X

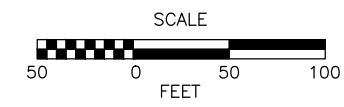
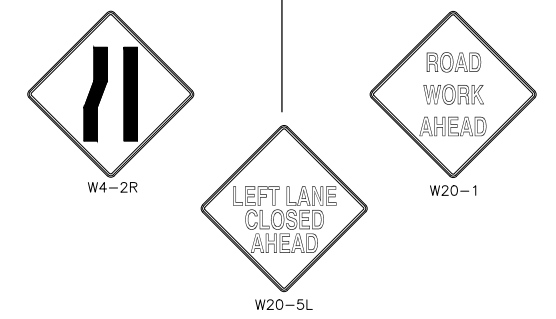
CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
35	30	60



- NOTES:**
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 - TEMPORARY IMPACT ATTENUATORS SHALL NOT INCLUDE INERTIAL DRUMS.
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- TRAFFIC CONTROL LEGEND:**
- CONSTRUCTION SIGN LOCATION
 - TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
 - TYPE 2 BARRICADE
 - SEQUENTIAL ARROW SIGN
 - TEMPORARY CONC. BARRIER
 - ACTIVE WORK AREA
 - TEMPORARY INTERURBAN TRAIL DETOUR
 - APPROXIMATE PROPOSED BUS STOP LOCATION
 - EXISTING BUS STOP LOCATION

- CONSTRUCTION NOTES:**
- INSTALL TEMPORARY DOUBLE YELLOW CENTERLINE PER WSDOT STD PLAN M-20.10-04



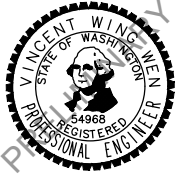
90% REVIEW
CHECK PRINT
NOT FOR CONSTRUCTION

May 10, 2023 11:17am sean.delavarpour X:\lynwood\City of\Projects\20100156 - Poplar Way Extension Bridge\CADD_v.2014\Plan Sheets\Traffic Control\20100156 TC23.dwg Layout Name: TC24

No.	Date	Revision	By	Appr.

PERTEET
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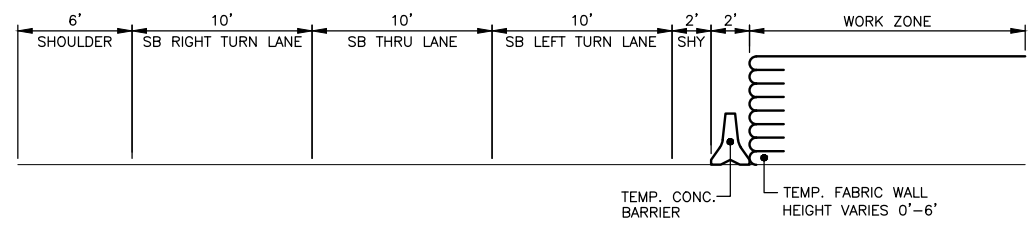
Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

SCALE
Horiz 1" = 50'
Vert N/A
Project Number 20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 6
TRAFFIC CONTROL PLAN

Drawing No.	TC24
Sheet No.	X
of Total	X

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
30	20	40



MATCH LINE
SEE DWG. NO. TC23

SEE SHEET DT4 FOR TRAFFIC AND PEDESTRIAN DETOUR PLAN

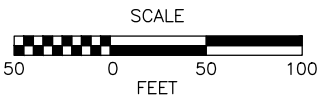
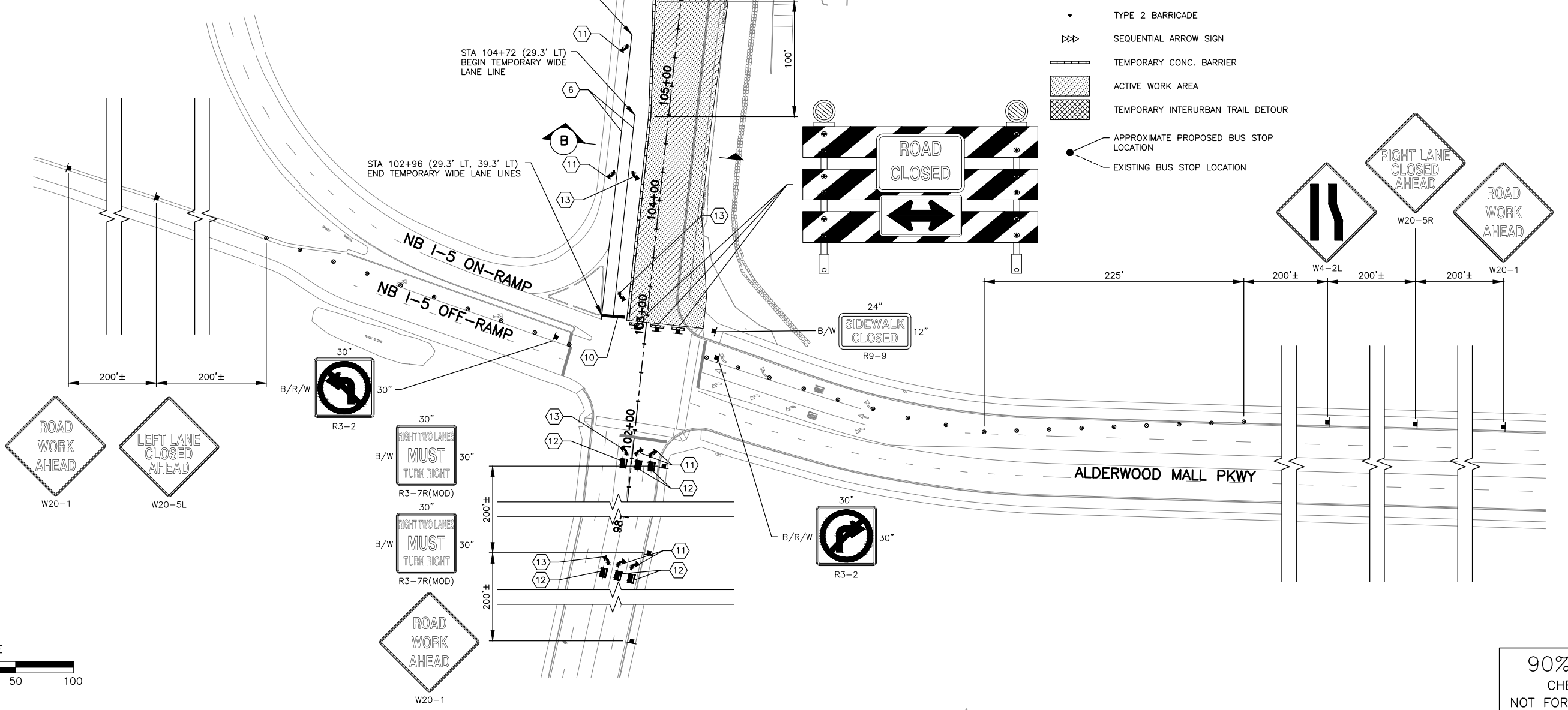
- CONSTRUCTION NOTES:**
- ⑥ INSTALL TEMPORARY WIDE LANE LINE PER WSDOT STD PLAN M-20.50-02
 - ⑩ INSTALL TEMPORARY STOP LINE PER WSDOT STD PLAN M-24.60-04
 - ⑪ INSTALL TEMPORARY TYPE 2SR TRAFFIC ARROW PER WSDOT STD PLAN M-24.40-02
 - ⑫ INSTALL TEMPORARY TRAFFIC LETTERS PER WSDOT STD PLAN M-80.10-01
 - ⑬ INSTALL TEMPORARY TYPE 2SL TRAFFIC ARROW PER WSDOT STD PLAN M-24.40-02

- NOTES:**
1. ALL SIGNS SHALL BE 48"x48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
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 6. PEDESTRIAN ACCESS SHALL BE MAINTAINED FOR INTERURBAN TRAIL.
 7. REMOVE EXISTING CHANNELIZATION WHERE CONFLICTS WITH TEMPORARY CHANNELIZATION.
 8. TEMPORARY IMPACT ATTENUATORS SHALL NOT INCLUDE INERTIAL DRUMS.
 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FOR A PROPOSED METHOD OF TRUCK ACCESS TO 1-5 WORK AREAS.

TRAFFIC CONTROL LEGEND:

- CONSTRUCTION SIGN LOCATION
- TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
- TYPE 2 BARRICADE
- ⇨ SEQUENTIAL ARROW SIGN
- ▬▬▬ TEMPORARY CONC. BARRIER
- ▨ ACTIVE WORK AREA
- ▩ TEMPORARY INTERURBAN TRAIL DETOUR
- APPROXIMATE PROPOSED BUS STOP LOCATION
- EXISTING BUS STOP LOCATION

SECTION B-B
NTS



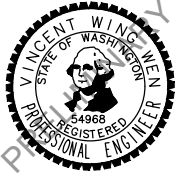
90% REVIEW
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May 10, 2023 11:17am X:\Lynnwood_City of\Projects\20100156 - Poplar Way Extension Bridge\CADD_v.2014\Plan Sheets\Traffic Control\20100156 TC23.dwg Layout Name: TC25

No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD WASHINGTON



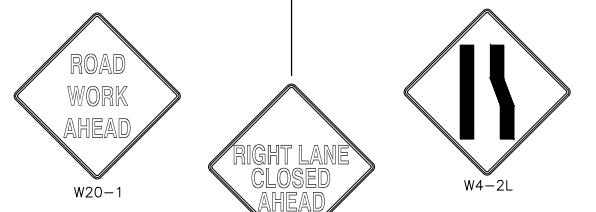
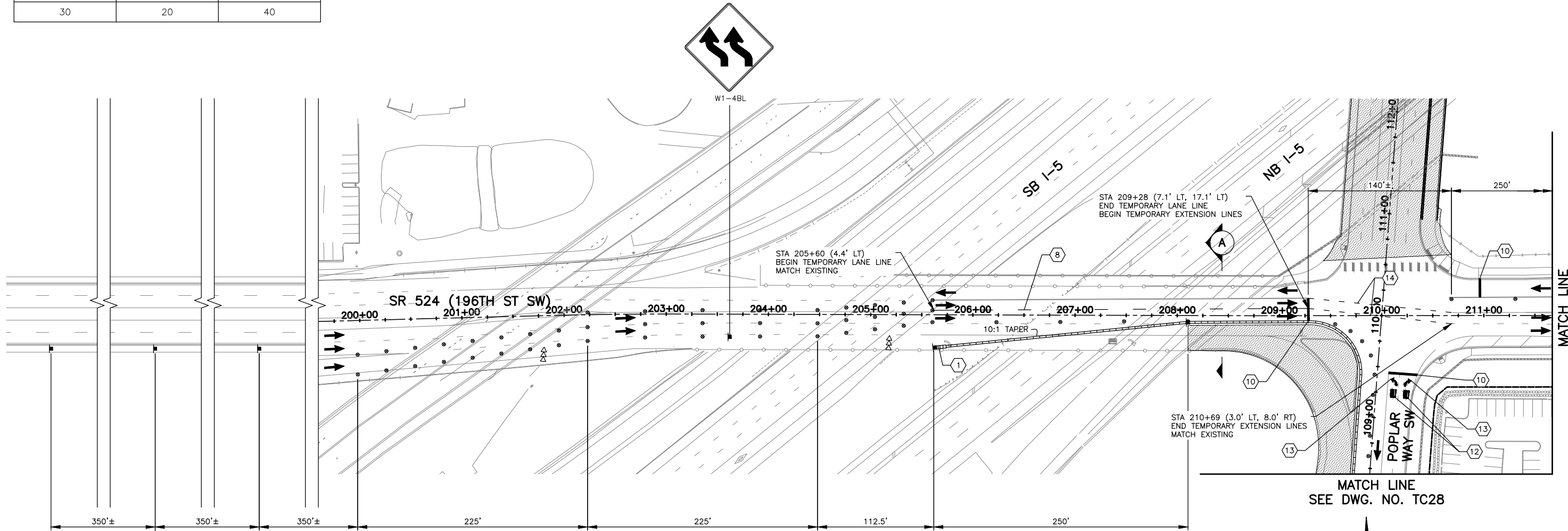
Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Date	5/2023
Checked By	V. WEN	Date	5/2023
Approved By	V. WEN	Date	5/2023

SCALE	1" = 50'
Project Number	20100156

CITY OF LYNNWOOD
**POPLAR WAY EXTENSION BRIDGE
PHASE 6
TRAFFIC CONTROL PLAN**

Drawing No.	TC25
Sheet No.	X of Total

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
35	30	60
30	20	40

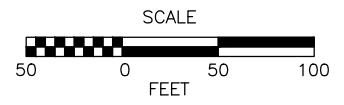
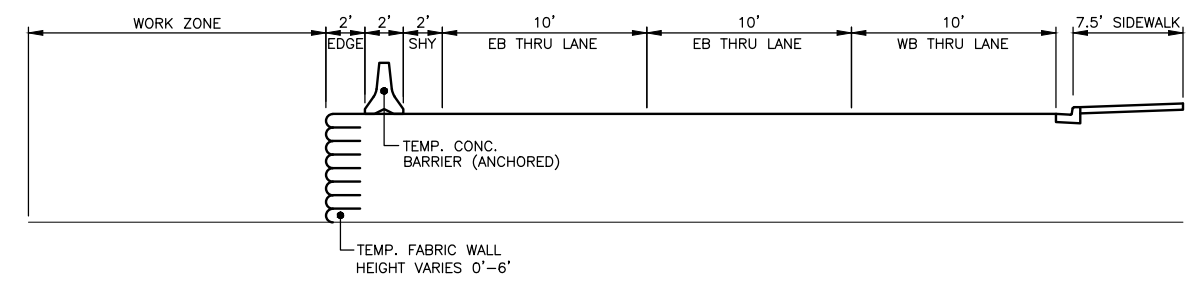


TRAFFIC CONTROL LEGEND:

- CONSTRUCTION SIGN LOCATION
- TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
- TYPE 2 BARRICADE
- ⇨⇨ SEQUENTIAL ARROW SIGN
- ▬ TEMPORARY CONC. BARRIER
- ▨ ACTIVE WORK AREA
- ▩ TEMPORARY INTERURBAN TRAIL DETOUR
- APPROXIMATE PROPOSED BUS STOP LOCATION
- EXISTING BUS STOP LOCATION

CONSTRUCTION NOTES:

- ① PROVIDE TEMPORARY IMPACT ATTENUATOR AT LEADING END OF TEMPORARY CONC BARRIER ADJACENT TO TRAFFIC
- ⑧ INSTALL TEMPORARY LANE LINE PER WSDOT STD PLAN M-20.10-04
- ⑩ INSTALL TEMPORARY STOP LINE PER WSDOT STD PLAN M-24.60-04
- ⑪ INSTALL TEMPORARY TYPE 25R TRAFFIC ARROW PER WSDOT STD PLAN M-24.40-02
- ⑫ INSTALL TEMPORARY TRAFFIC LETTERS PER WSDOT STD PLAN M-80.10-01
- ⑬ INSTALL TEMPORARY TYPE 25L TRAFFIC ARROW PER WSDOT STD PLAN M-24.40-02
- ⑭ INSTALL TEMPORARY DOTTED EXTENSION LINE PER WSDOT STD PLAN M-20.50-02



NOTES:

- ALL SIGNS SHALL BE 48"x48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
- SIGN LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
- TYPE C WARNING LIGHTS SHALL BE ATTACHED TO TRAFFIC SAFETY DRUMS FOR NIGHT TIME WORK ACTIVITY.
- DEVICES SHALL NOT ENCR OACH INTO THE ADJACENT LANE.
- PEDESTRIAN ACCESS SHALL BE MAINTAINED FOR INTERURBAN TRAIL.
- REMOVE EXISTING CHANNELIZATION WHERE CONFLICTS WITH TEMPORARY CHANNELIZATION.
- TEMPORARY IMPACT ATTENUATORS SHALL NOT INCLUDE INERTIAL DRUMS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FOR A PROPOSED METHOD OF TRUCK ACCESS TO I-5 WORK AREAS.

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May 10, 2023 11:18am Sean Delavarpour X:\Projects\20100156 - Poplar Way Extension Bridge\CADD v.2014\Plan Sheets\Traffic Control\20100156 TC26.dwg Layout Name: TC26

No.	Date	Revision	By	Appr.

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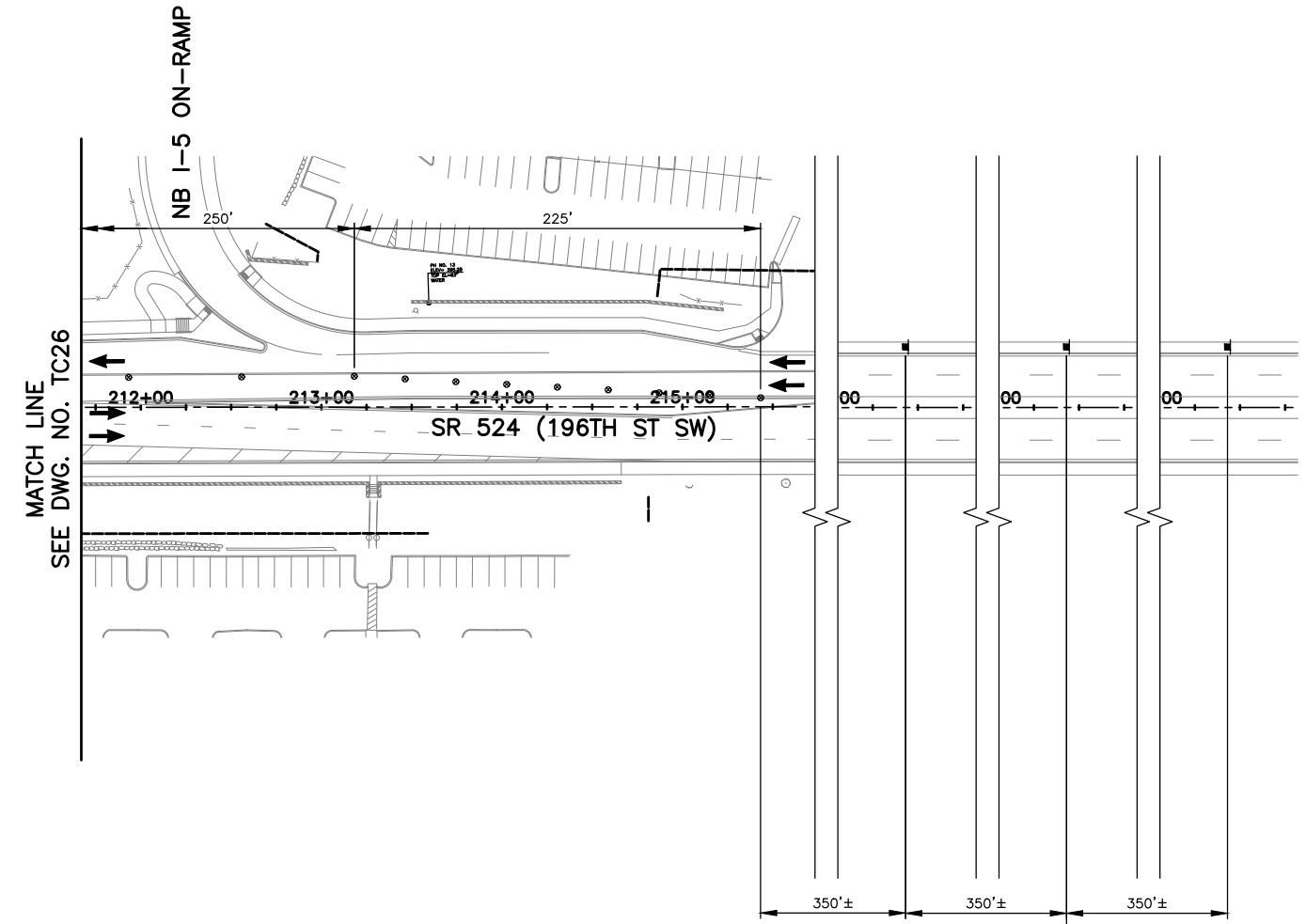
Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

SCALE	1" = 50'
Horiz	N/A
Vert	N/A
Project Number	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 7
TRAFFIC CONTROL PLAN

Drawing No.	TC26
Sheet No.	X
of Total	X

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
35	30	60

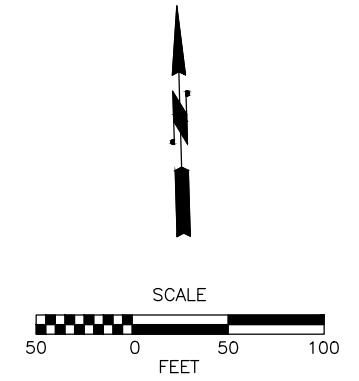
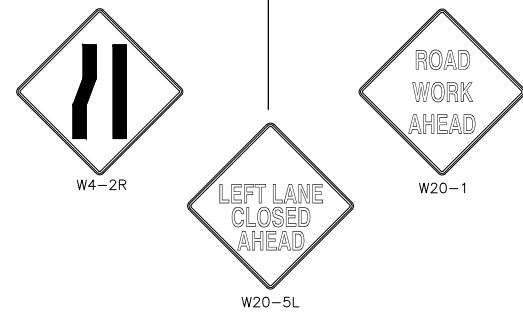


NOTES:

- ALL SIGNS SHALL BE 48"X48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
- SIGN LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
- TYPE C WARNING LIGHTS SHALL BE ATTACHED TO TRAFFIC SAFETY DRUMS FOR NIGHT TIME WORK ACTIVITY.
- DEVICES SHALL NOT ENCR OACH INTO THE ADJACENT LANE.
- PEDESTRIAN ACCESS SHALL BE MAINTAINED FOR INTERURBAN TRAIL.
- REMOVE EXISTING CHANNELIZATION WHERE CONFLICTS WITH TEMPORARY CHANNELIZATION.
- TEMPORARY IMPACT ATTENUATORS SHALL NOT INCLUDE INERTIAL DRUMS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FOR A PROPOSED METHOD OF TRUCK ACCESS TO I-5 WORK AREAS.

TRAFFIC CONTROL LEGEND:

- CONSTRUCTION SIGN LOCATION
- TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
- TYPE 2 BARRICADE
- SEQUENTIAL ARROW SIGN
- TEMPORARY CONC. BARRIER
- ACTIVE WORK AREA
- TEMPORARY INTERURBAN TRAIL DETOUR
- APPROXIMATE PROPOSED BUS STOP LOCATION
- EXISTING BUS STOP LOCATION



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No.	Date	Revision	By	Appr.

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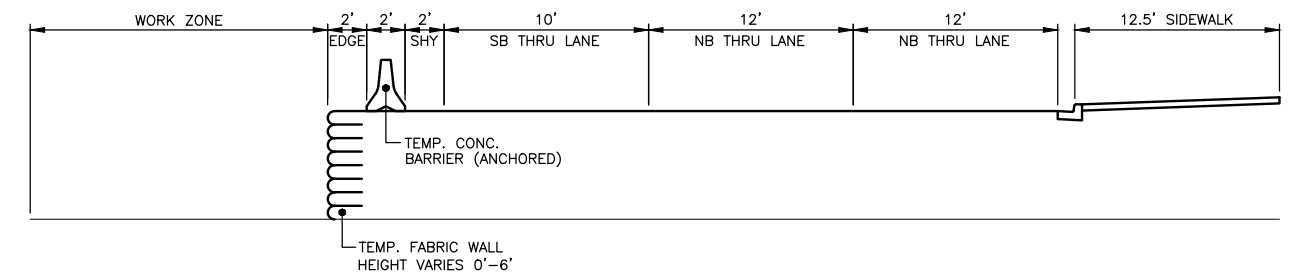
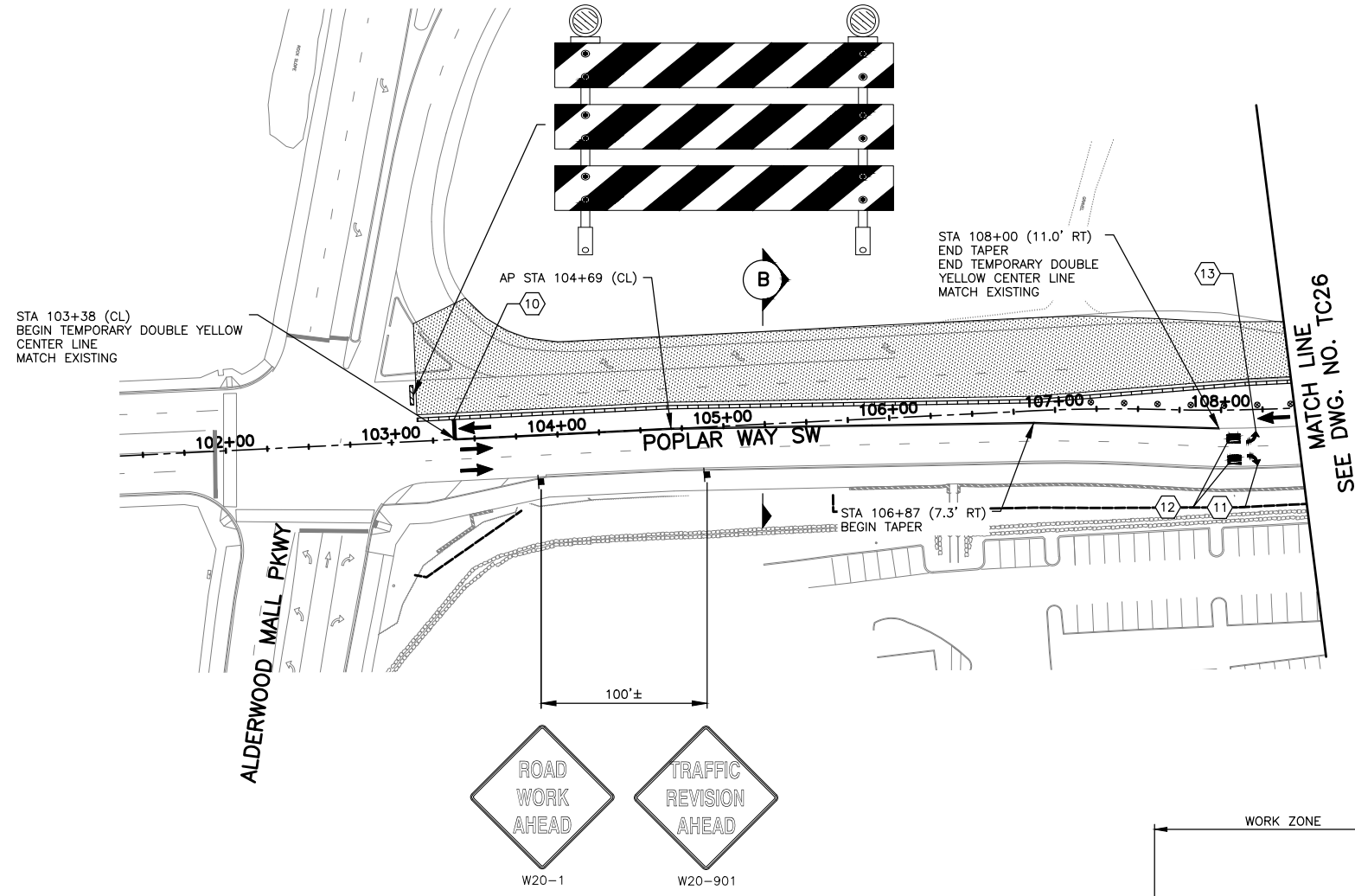
Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Checked By	V. WEN
Checked By	V. WEN	Approved By	V. WEN
Project Number	20100156		

SCALE	1" = 50'
Horiz	1" = 50'
Vert	N/A

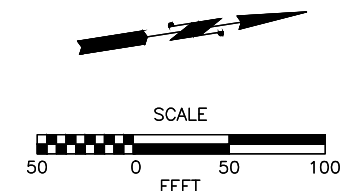
CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 7
TRAFFIC CONTROL PLAN

Drawing No.	TC27
Sheet No.	X
of Total	X

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
30	20	40



SECTION B-B



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- NOTES:**
- ALL SIGNS SHALL BE 48"x48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
 - SIGN LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
 - CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
 - TYPE C WARNING LIGHTS SHALL BE ATTACHED TO TRAFFIC SAFETY DRUMS FOR NIGHT TIME WORK ACTIVITY.
 - DEVICES SHALL NOT ENCRoACH INTO THE ADJACENT LANE.
 - PEDESTRIAN ACCESS SHALL BE MAINTAINED FOR INTERURBAN TRAIL.
 - REMOVE EXISTING CHANNELIZATION WHERE CONFLICTS WITH TEMPORARY CHANNELIZATION.
 - TEMPORARY IMPACT ATTENUATORS SHALL NOT INCLUDE INERTIAL DRUMS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FOR A PROPOSED METHOD OF TRUCK ACCESS TO 1-5 WORK AREAS.

- TRAFFIC CONTROL LEGEND:**
- CONSTRUCTION SIGN LOCATION
 - TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
 - TYPE 2 BARRICADE
 - ⇨ SEQUENTIAL ARROW SIGN
 - ▬ TEMPORARY CONC. BARRIER
 - ▨ ACTIVE WORK AREA
 - ▩ TEMPORARY INTERURBAN TRAIL DETOUR
 - APPROXIMATE PROPOSED BUS STOP LOCATION
 - EXISTING BUS STOP LOCATION

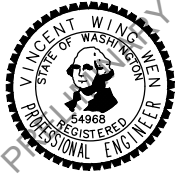
- CONSTRUCTION NOTES:**
- PROVIDE TEMPORARY IMPACT ATTENUATOR AT LEADING END OF TEMPORARY CONC BARRIER ADJACENT TO TRAFFIC
 - INSTALL TEMPORARY STOP LINE PER WSDOT STD PLAN M-24.60-04
 - INSTALL TEMPORARY TYPE 2SR TRAFFIC ARROW PER WSDOT STD PLAN M-24.40-02
 - INSTALL TEMPORARY TRAFFIC LETTERS PER WSDOT STD PLAN M-80.10-01
 - INSTALL TEMPORARY TYPE 2SL TRAFFIC ARROW PER WSDOT STD PLAN M-24.40-02

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No.	Date	Revision	By	Appr.

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LYNNWOOD WASHINGTON



Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

SCALE	
Horiz	1" = 50'
Vert	N/A
Project Number	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 7
TRAFFIC CONTROL PLAN

Drawing No.	TC28
Sheet No.	X
of Total	X

SIGN SPACING = X (1)		
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' □
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' □ (2)
URBAN STREETS	25 MPH OR LESS	100' □ (2)

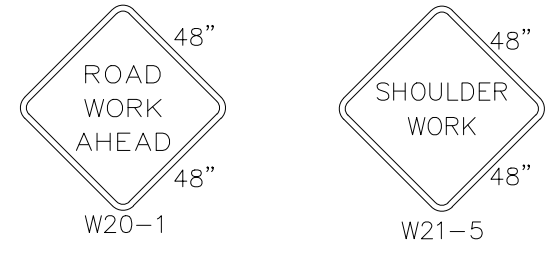
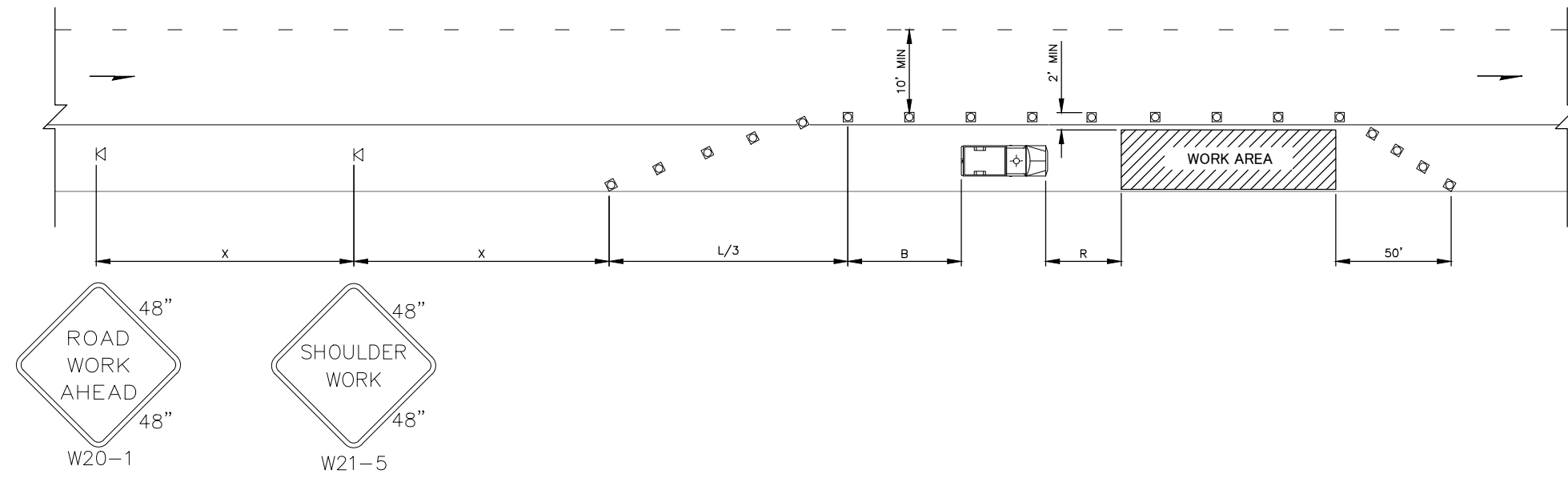
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.
 (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	-	-	-	-	-	-
10'	40	60	90	90	-	-	-	-	-	-

USE A 3 DEVICES TAPER FOR SHOULDERS LESS THEN 8'

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
35/40	30	60
25/30	20	40

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305						
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.										30 FEET MIN. TO 100 FEET MAX.
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.										NO SPECIFIED DISTANCE REQUIRED



- LEGEND**
- ⊠ TEMPORARY SIGN LOCATION
 - CHANNELIZING DEVICES
 - 🚚 PROTECTIVE VEHICLE

TYPICAL SHOULDER CLOSURE - LOW SPEED
(40 MPH OR LESS)

- NOTES:**
1. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).
 2. ALL SIGNS ARE BLACK ON ORANGE.

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No.	Date	Revision	By	Appr.

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Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Date	5/2023
Checked By	V. WEN	Date	5/2023
Approved By	V. WEN	Date	5/2023

SCALE	Horiz	N/A
	Vert	N/A
Project Number	20100156	

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
TYPICAL TRAFFIC CONTROL PLAN

Drawing No.	TC29
Sheet No.	X
of Total	X

SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' □
RURAL HIGHWAYS	60 / 65 MPH	800' □
RURAL ROADS	45 / 55 MPH	500' □

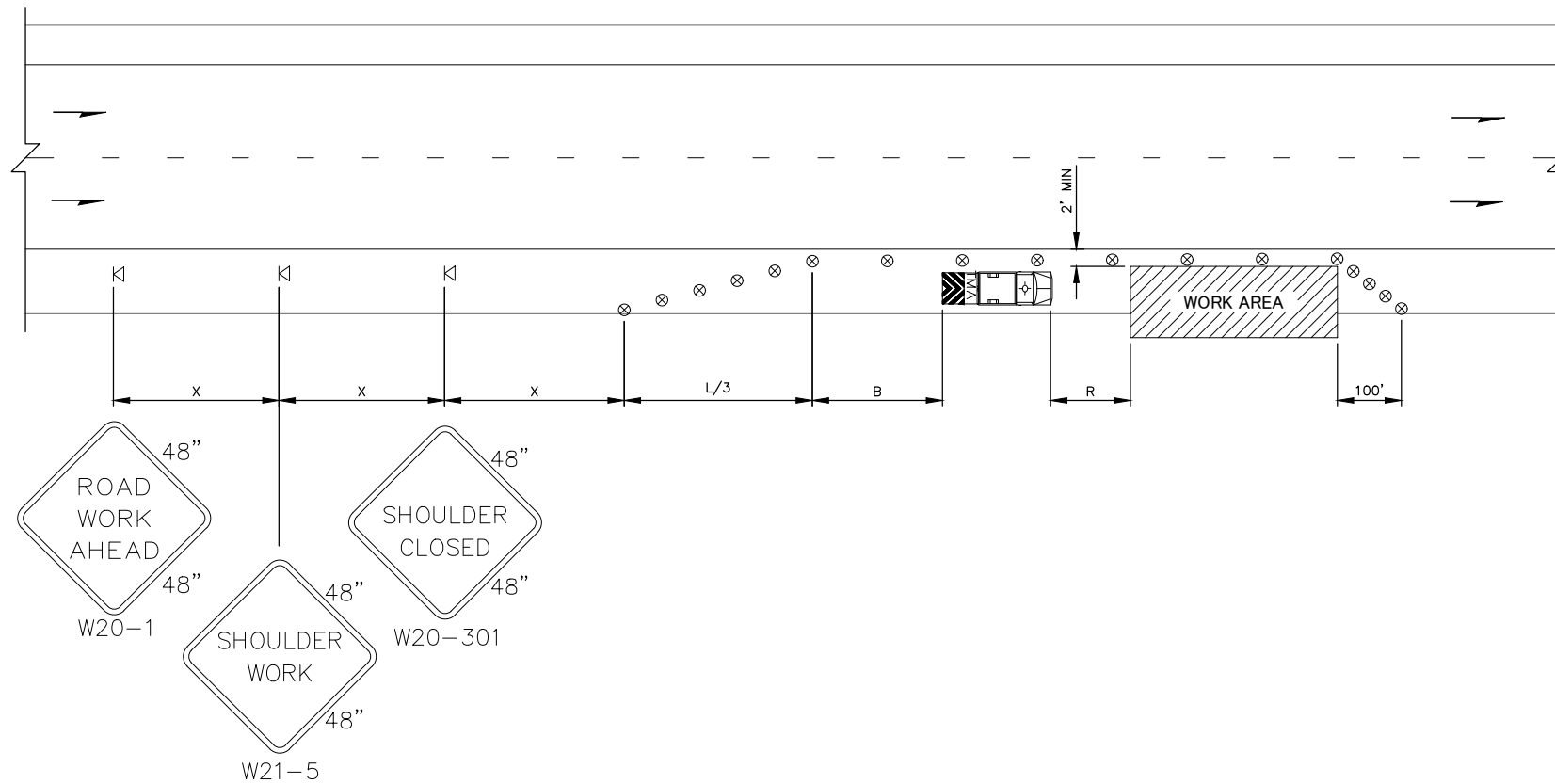
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	-	-	-	-	120	130	150	160	170	190
10'	-	-	-	-	150	170	190	200	220	240

USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	-	-	-	-	360	425	495	570	645	730
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TRANSPORTABLE ATTENUATOR									30 FEET MIN. TO 100 FEET MAX.	
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.										



NOTES:

1. NO ENCROACHMENT IN TRAVELED LANE. IF ENCROACHMENT IS NECESSARY, LANE SHALL BE CLOSED.
2. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT) O.C.
3. ALL SIGNS ARE BLACK ON ORANGE.

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TYPICAL SHOULDER CLOSURE - HIGH SPEED

LEGEND

- ⊏ TEMPORARY SIGN LOCATION
- ⊗ TRAFFIC SAFETY DRUM
- ▬ TRANSPORTABLE ATTENUATOR

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Drawn By	Date
S. DELAVARPOUR	5/2023
Designed By	
E. BORGES	5/2023
Checked By	
V. WEN	5/2023
Approved By	
V. WEN	5/2023

SCALE	
Horiz	N/A
Vert	N/A
Project Number	20100156

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
TYPICAL TRAFFIC CONTROL PLAN

Drawing No.	TC30
Sheet No.	X
of Total	X

No.	Date	Revision	By	Appr.

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240

USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.

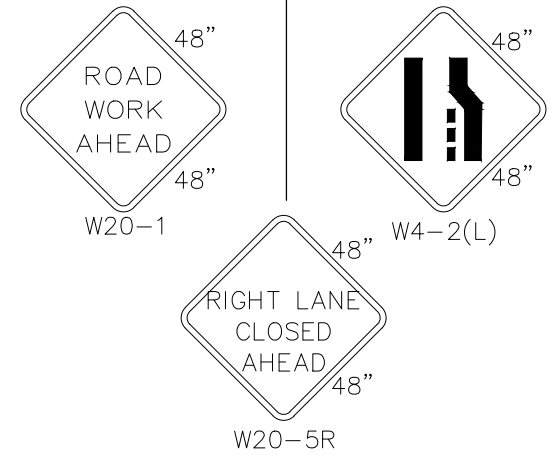
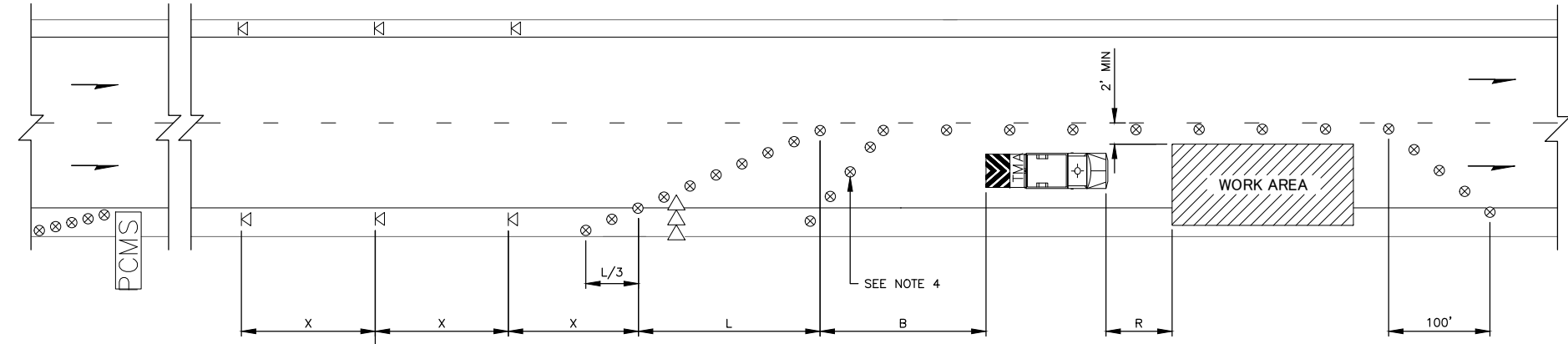
SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' □
RURAL HIGHWAYS	60 / 65 MPH	800' □
RURAL ROADS	45 / 55 MPH	500' □
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' □
RURAL ROADS & URBAN ARTERIALS	25 / 30 MPH	200' □ (2)
RESIDENTIAL & BUSINESS DISTRICTS		
URBAN STREETS	25 MPH OR LESS	100' □ (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
 (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

BUFFER VEHICLE ROLL AHEAD DISTANCE = R	
TRANSPORTABLE ATTENUATOR	30 FEET MIN. TO 100 FEET MAX.
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.	



PCMS	
1	2
RIGHT LANE CLOSURE	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ✓ IN ADVANCE OF LANE CLOSURE SIGNING.

NOTES:

- SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
- EXTEND DEVICE TAPER AT L/3 ACROSS SHOULDER.
- DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANE.
- USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' (FT) (RECOMMENDED).
- DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).
- ALL SIGNS ARE BLACK ON ORANGE.

TYPICAL SINGLE-LANE CLOSURE

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No.	Date	Revision	By	Appr.

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Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES		5/2023
Checked By	V. WEN		5/2023
Approved By	V. WEN		5/2023

SCALE	Horiz	N/A
	Vert	N/A
Project Number	20100156	

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
TYPICAL TRAFFIC CONTROL PLAN

Drawing No. **TC31**
Sheet No. X of Total X

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240

USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.

SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' □
RURAL HIGHWAYS	60 / 65 MPH	800' □
RURAL ROADS	45 / 55 MPH	500' □
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' □
RURAL ROADS & URBAN ARTERIALS	25 / 30 MPH	200' □ (2)
RESIDENTIAL & BUSINESS DISTRICTS		
URBAN STREETS	25 MPH OR LESS	100' □ (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
 (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

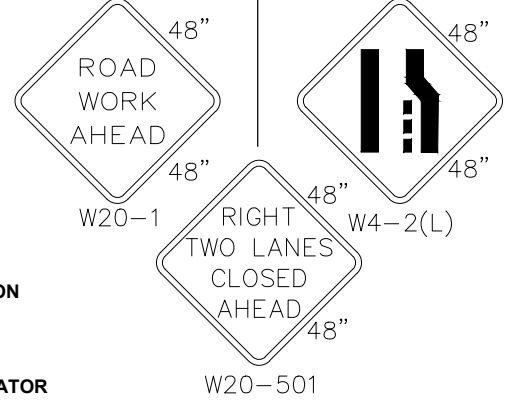
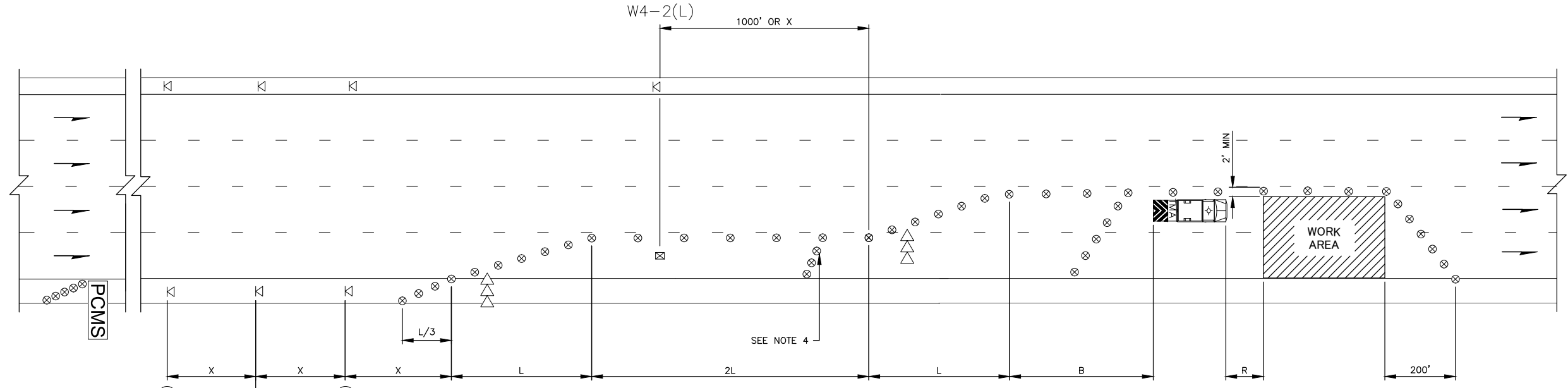
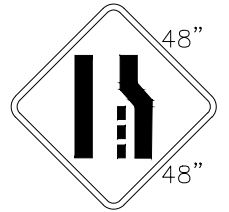
CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

PCMS	
1	2
2 LANES CLOSED AHEAD	WATCH FOR SLOW TRAFFIC
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ✓ IN ADVANCE OF LANE CLOSURE SIGNING.

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

BUFFER VEHICLE ROLL AHEAD DISTANCE = R	
TRANSPORTABLE ATTENUATOR	30 FEET MIN. TO 100 FEET MAX.
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.	



- LEGEND**
- ⊗ TRAFFIC SAFETY DRUM
 - ⊠ TEMPORARY SIGN LOCATION
 - ⇨ SEQUENTIAL ARROW SIGN
 - ▬ TRANSPORTABLE ATTENUATOR
 - PCMS PORTABLE CHANGEABLE MESSAGE SIGN
 - ⊠ TEMPORARY SIGN LOCATION (5' (FT) MOUNTING HEIGHT)

- NOTES:**
- SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
 - EXTEND DEVICE TAPER AT L/3 ACROSS SHOULDER.
 - DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
 - USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' (FT) (RECOMMENDED).
 - DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).
 - ALL SIGNS ARE BLACK ON ORANGE.

TYPICAL DOUBLE-LANE CLOSURE

90% REVIEW
 CHECK PRINT
 NOT FOR CONSTRUCTION

May 10, 2023 11:18am
 X:\Lynnwood_City of\Projects\20100156 - Poplar Way Extension Bridge\CADD v.2014\Plan Sheets\Traffic Control\20100156 TC29.dwg
 Layout Name: TC32
 sean.delavarpour

No.	Date	Revision	By	Appr.

PERTEET
 2707 COLBY AVENUE, SUITE 900
 EVERETT, WA 98201
 425.252.7700 | 800.615.9900

LYNNWOOD WASHINGTON



Drawn By S. DELAVARPOUR	Date 5/2023	SCALE
Designed By E. BORGES	Checked By V. WEN	Horiz N/A
Checked By V. WEN	Approved By V. WEN	Vert N/A
Project Number 20100156		






CITY OF LYNNWOOD
 POPLAR WAY EXTENSION BRIDGE
TYPICAL TRAFFIC CONTROL PLAN

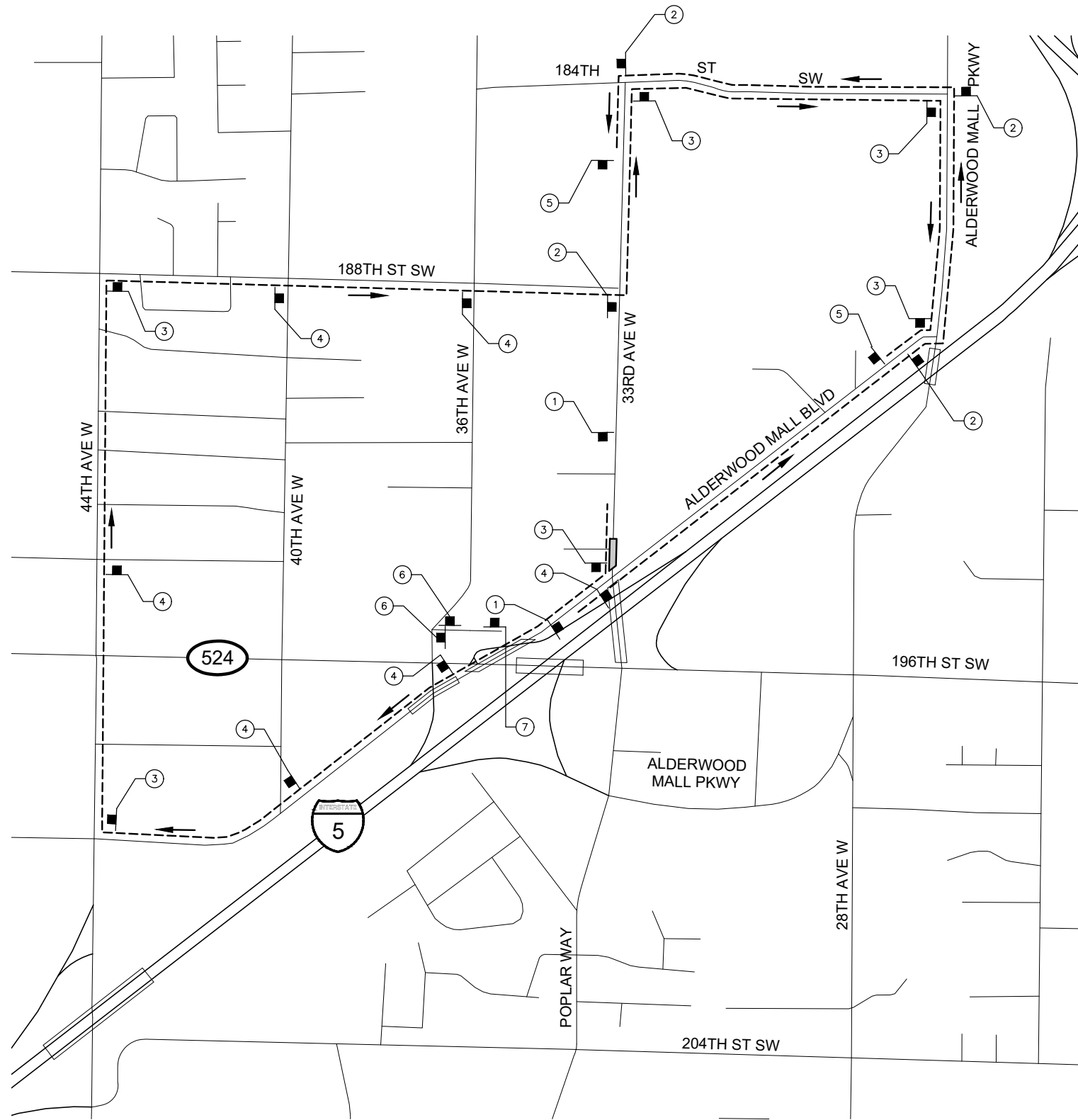
Drawing No. TC32
Sheet No. X of Total

NOTES:

- CONTACT TRAFFIC SYSTEMS MANAGEMENT CENTER PRIOR TO BEGINNING WORK AND AFTER LANES ARE OPEN TO TRAFFIC.
- ALL CLOSURES AND TRAFFIC IMPACTS SHALL BE COORDINATED WITH NORTHWEST REGION TRAFFIC SECTION AT LEAST 14 DAYS IN ADVANCE OF NEED AND BE ACCEPTED BY THAT GROUP INTO THE NORTHWEST REGION TRAFFIC CLOSURE DATABASE.
- ALL SIGNS SHALL BE 48"X48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
- CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
- TYPE C WARNING LIGHTS SHALL BE ATTACHED TO TRAFFIC SAFETY DRUMS FOR NIGHT TIME WORK ACTIVITY.
- ADVANCE NOTIFICATION OF ROAD CLOSURE SHALL BE POSTED A MINIMUM OF SEVEN DAYS PRIOR TO ROAD CLOSURE.

DETOUR LEGEND:

-  CONSTRUCTION SIGN LOCATION
-  SIGN NO.
-  PORTABLE CHANGEABLE MESSAGE SIGN
-  ROAD CLOSED
-  DETOUR ROUTE



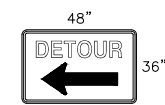
SIGN SPACING		
FREEWAYS AND EXPRESSWAYS	55/70 MPH	1500'±
RURAL HIGHWAYS	60/65 MPH	800'±
RURAL ROADS	45/55 MPH	500'±
RURAL ROADS AND URBAN ARTERIALS	35/40 MPH	350'±
RESIDENTIAL AND BUSINESS DISTRICTS	25/30 MPH	200'±(2)
URBAN STREETS	25 MPH OR LESS	100'±(2)

(1) ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.
 (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



W20-2

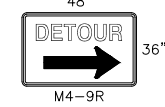
①



48"

M4-9L

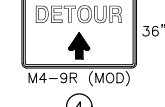
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48"

M4-9R

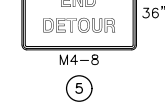
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48"

M4-9R (MOD)

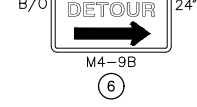
④



48"

M4-8

⑤

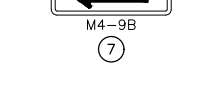


B/O

30"

M4-9B

⑥



B/O

30"

M4-9B

⑦

90% REVIEW
CHECK PRINT
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May 10, 2023 11:18am sean.delavarpour X:\Projects\20100156 - Poplar Way Extension Bridge\CADD v.2014\Plan Sheets\Traffic Control\20100156 DT.dwg Layout Name: DT1

No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD WASHINGTON



Drawn By S. DELAVARPOUR Date 5/2023
Designed By E. BORGES Date 5/2023
Checked By V. WEN Date 5/2023
Approved By V. WEN Date 5/2023

SCALE
Horiz N/A
Vert N/A
Project Number 20100156






CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 3 - NB 33RD AND SB 33RD LEFT-TURN CLOSURE
DETOUR PLAN

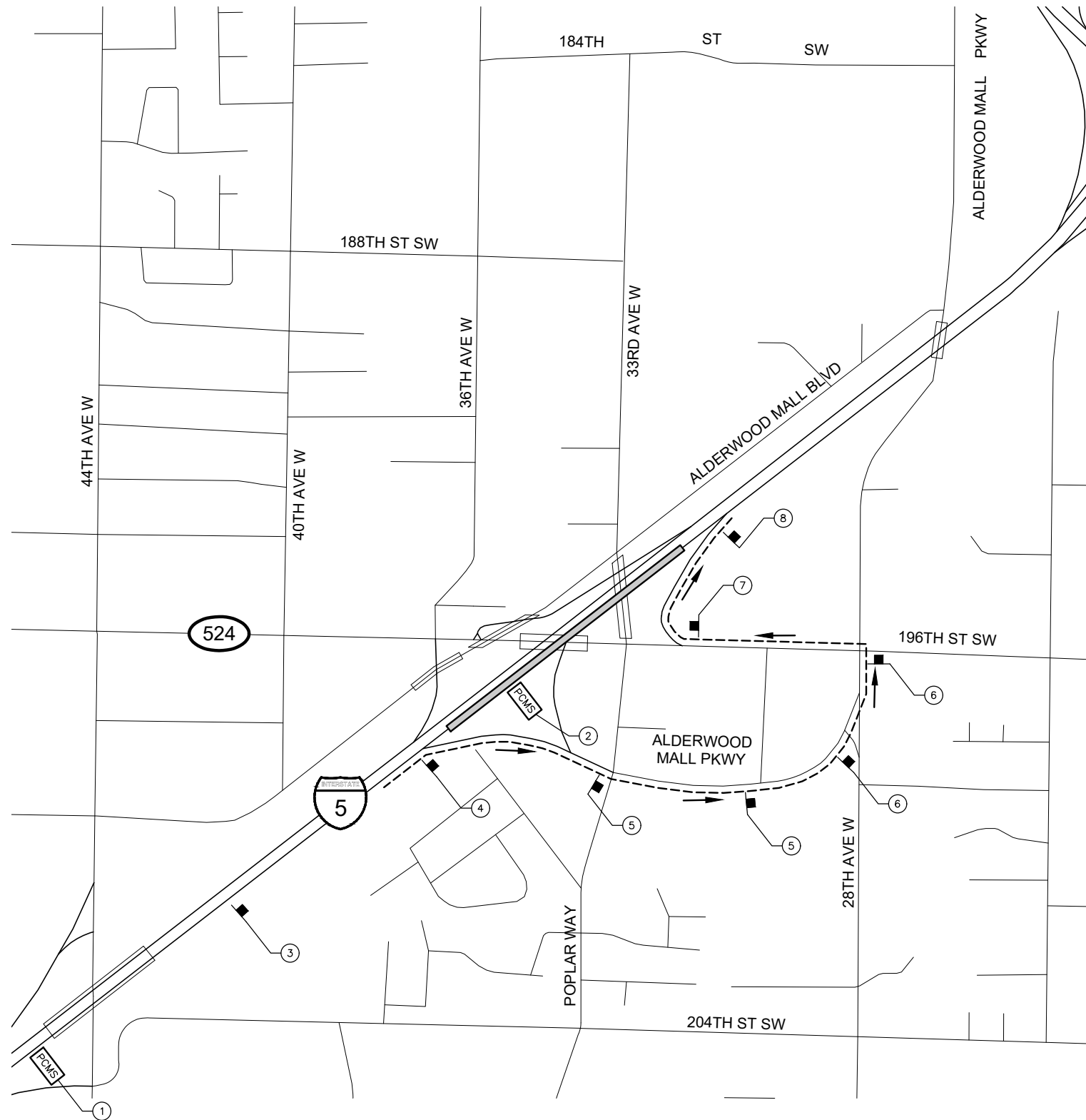
Drawing No. DT1
Sheet No. X of Total X

NOTES:

- CONTACT TRAFFIC SYSTEMS MANAGEMENT CENTER PRIOR TO BEGINNING WORK AND AFTER LANES ARE OPEN TO TRAFFIC.
- ALL CLOSURES AND TRAFFIC IMPACTS SHALL BE COORDINATED WITH NORTHWEST REGION TRAFFIC SECTION AT LEAST 14 DAYS IN ADVANCE OF NEED AND BE ACCEPTED BY THAT GROUP INTO THE NORTHWEST REGION TRAFFIC CLOSURE DATABASE.
- ALL SIGNS SHALL BE 48"x48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
- CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
- 8' MINIMUM SHOULDER WIDTH REQUIRED FOR PORTABLE CHANGEABLE MESSAGE SIGNS.
- TYPE C WARNING LIGHTS SHALL BE ATTACHED TO TRAFFIC SAFETY DRUMS FOR NIGHT TIME WORK ACTIVITY.
- ADVANCE NOTIFICATION OF ROAD CLOSURE SHALL BE POSTED A MINIMUM OF SEVEN DAYS PRIOR TO ROAD CLOSURE.
- SEE SHEET DT3 FOR DETOUR DETAILS.

DETOUR LEGEND:

-  CONSTRUCTION SIGN LOCATION
-  SIGN NO.
-  PORTABLE CHANGEABLE MESSAGE SIGN
-  ROAD CLOSED
-  DETOUR ROUTE



SIGN SPACING		
FREEWAYS AND EXPRESSWAYS	55/70 MPH	1500'±
RURAL HIGHWAYS	60/65 MPH	800'±
RURAL ROADS	45/55 MPH	500'±
RURAL ROADS AND URBAN ARTERIALS	35/40 MPH	350'±
RESIDENTIAL AND BUSINESS DISTRICTS	25/30 MPH	200'±(2)
URBAN STREETS	25 MPH OR LESS	100'±(2)

(1) ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.
 (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

PCMS	
1	2
NB I-5 CLOSED AT 196TH	DETOUR USE EXIT 181B
1.5 SEC	1.5 SEC

①

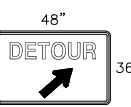
PCMS	
1	2
NB I-5 WILL BE CLOSED	MON DA MON DA XPM-XAM
1.5 SEC	1.5 SEC

②



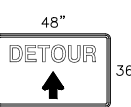
W20-2

③



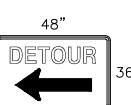
M4-9R (MOD)

④



M4-9R (MOD)

⑤



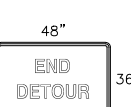
M4-9L

⑥



M4-9R

⑦



M4-8

⑧

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May 10, 2023 11:18am senn.delavarpour X:\Projects\20100156 - Poplar Way Extension Bridge\CADD v.2014\Plan Sheets\Traffic Control\20100156 DT.dwg Layout Name: DT2

No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD WASHINGTON



Drawn By: S. DELAVARPOUR Date: 5/2023
 Designed By: E. BORGES Date: 5/2023
 Checked By: V. WEN Date: 5/2023
 Approved By: V. WEN Date: 5/2023

SCALE
 Horiz: N/A
 Vert: N/A
 Project Number: 20100156

CITY OF LYNNWOOD
**POPLAR WAY EXTENSION BRIDGE
 PHASE 4 - NB I-5 MAINLINE CLOSURE
 DETOUR PLAN**

Drawing No. **DT2**
 Sheet No. X of Total X

NOTES:

- CONTACT TRAFFIC SYSTEMS MANAGEMENT CENTER PRIOR TO BEGINNING WORK AND AFTER LANES ARE OPEN TO TRAFFIC.
- ALL CLOSURES AND TRAFFIC IMPACTS SHALL BE COORDINATED WITH NORTHWEST REGION TRAFFIC SECTION AT LEAST 14 DAYS IN ADVANCE OF NEED AND BE ACCEPTED BY THAT GROUP INTO THE NORTHWEST REGION TRAFFIC CLOSURE DATABASE.
- ALL SIGNS SHALL BE 48"x48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
- CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
- 8' MINIMUM SHOULDER WIDTH REQUIRED FOR PORTABLE CHANGEABLE MESSAGE SIGNS.
- TYPE C WARNING LIGHTS SHALL BE ATTACHED TO TRAFFIC SAFETY DRUMS FOR NIGHT TIME WORK ACTIVITY.
- ADVANCE NOTIFICATION OF ROAD CLOSURE SHALL BE POSTED A MINIMUM OF SEVEN DAYS PRIOR TO ROAD CLOSURE.
- SEE SHEET DT5-DT7 FOR DETOUR DETAILS.

SIGN SPACING		
FREEWAYS AND EXPRESSWAYS	55/70 MPH	1500'±
RURAL HIGHWAYS	60/65 MPH	800'±
RURAL ROADS	45/55 MPH	500'±
RURAL ROADS AND URBAN ARTERIALS	35/40 MPH	350'±
RESIDENTIAL AND BUSINESS DISTRICTS	25/30 MPH	200'±(2)
URBAN STREETS	25 MPH OR LESS	100'±(2)

(1) ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.
 (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

PCMS	
1	2
SB I-5 CLOSED AT 164TH	DETOUR USE EXIT 181B
1.5 SEC	1.5 SEC

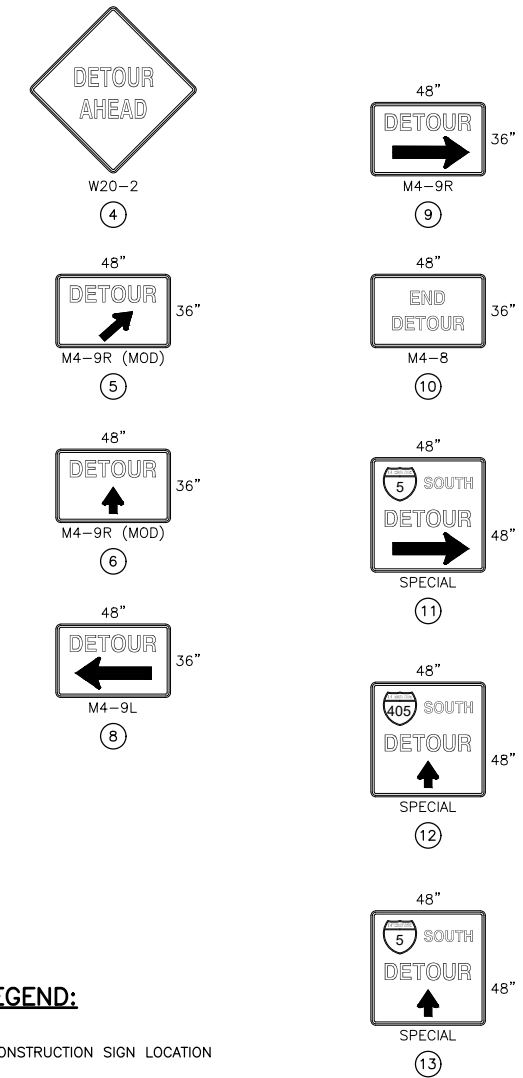
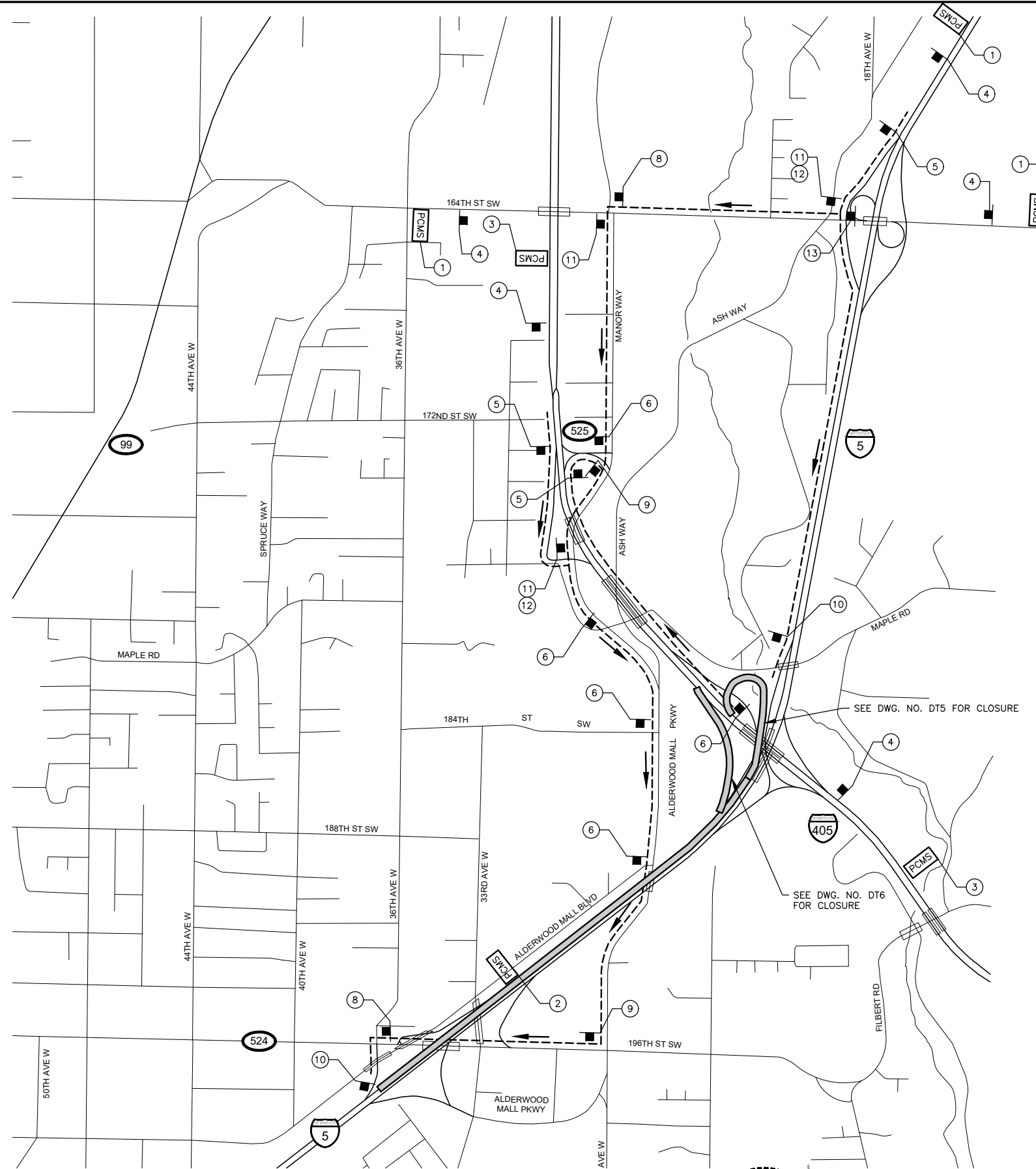
①

PCMS	
1	2
SB I-5 WILL BE CLOSED	MON DA MON DA XPM-XAM
1.5 SEC	1.5 SEC

②

PCMS	
1	2
SB I-5 EXIT CLOSED	MON DA MON DA XPM-XAM
1.5 SEC	1.5 SEC

③



- DETOUR LEGEND:**
- CONSTRUCTION SIGN LOCATION
 - ⊙ SIGN NO.
 - PCMS PORTABLE CHANGEABLE MESSAGE SIGN
 - ROAD CLOSED
 - DETOUR ROUTE

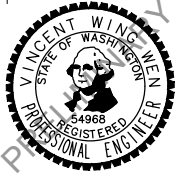
90% REVIEW
 CHECK PRINT
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May 10, 2023 11:18am sean.delavarpour X:\lynwood\City of\Projects\20100156 - Poplar Way Extension Bridge\CADD v.2014\Plan Sheets\Traffic Control\20100156 DT.dwg Layout Name: DT3

No.	Date	Revision	By	Appr.

PERTEET
 2707 COLBY AVENUE, SUITE 900
 EVERETT, WA 98201
 425.252.7700 | 800.615.9900

LYNNWOOD WASHINGTON



Drawn By S. DELAVARPOUR Date 5/2023
 Designed By E. BORGES 5/2023
 Checked By V. WEN 5/2023
 Approved By V. WEN 5/2023

SCALE
 Horiz N/A
 Vert N/A
 Project Number 20100156






CITY OF LYNNWOOD
 POPLAR WAY EXTENSION BRIDGE
 PHASE 4 - SB I-5 MAINLINE CLOSURE
 DETOUR PLAN

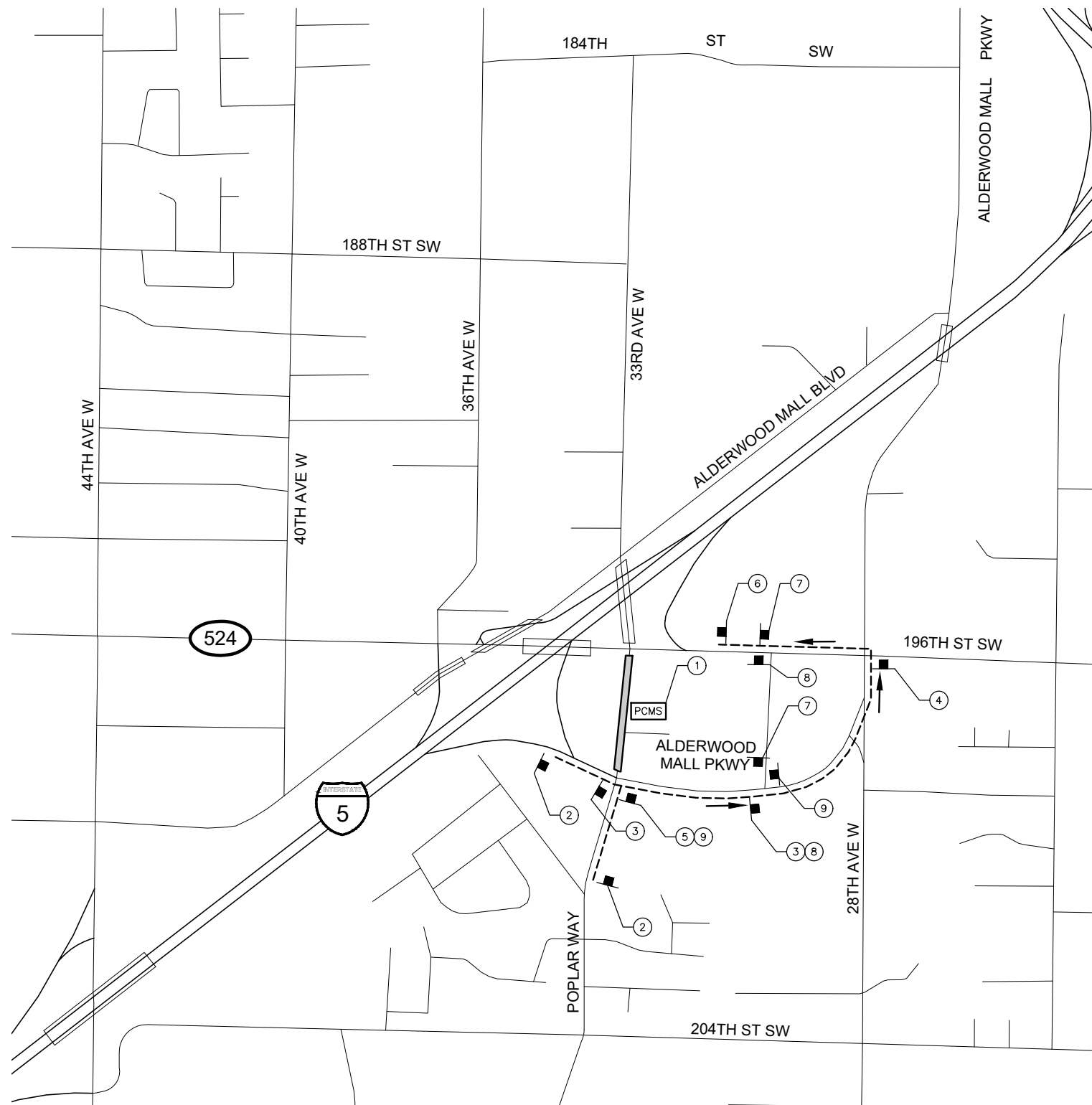
Drawing No. **DT3**
 Sheet No. X of Total X

NOTES:

1. CONTACT TRAFFIC SYSTEMS MANAGEMENT CENTER PRIOR TO BEGINNING WORK AND AFTER LANES ARE OPEN TO TRAFFIC.
2. ALL CLOSURES AND TRAFFIC IMPACTS SHALL BE COORDINATED WITH NORTHWEST REGION TRAFFIC SECTION AT LEAST 14 DAYS IN ADVANCE OF NEED AND BE ACCEPTED BY THAT GROUP INTO THE NORTHWEST REGION TRAFFIC CLOSURE DATABASE.
3. ALL SIGNS SHALL BE 48"x48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
4. CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
5. TYPE C WARNING LIGHTS SHALL BE ATTACHED TO TRAFFIC SAFETY DRUMS FOR NIGHT TIME WORK ACTIVITY.
6. ADVANCE NOTIFICATION OF ROAD CLOSURE SHALL BE POSTED A MINIMUM OF SEVEN DAYS PRIOR TO ROAD CLOSURE.

DETOUR LEGEND:

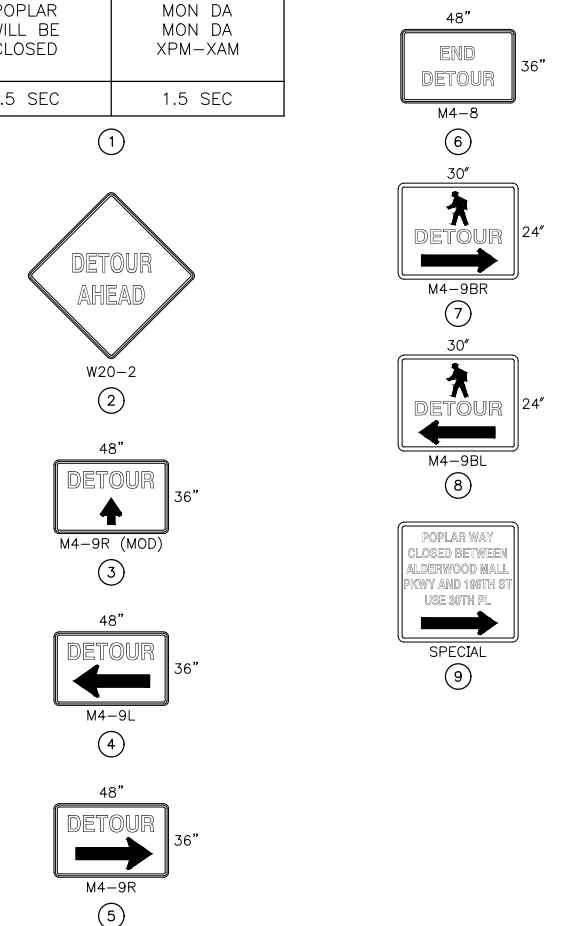
-  CONSTRUCTION SIGN LOCATION
-  SIGN NO.
-  PORTABLE CHANGEABLE MESSAGE SIGN
-  ROAD CLOSED
-  DETOUR ROUTE



SIGN SPACING		
FREEWAYS AND EXPRESSWAYS	55/70 MPH	1500'±
RURAL HIGHWAYS	60/65 MPH	800'±
RURAL ROADS	45/55 MPH	500'±
RURAL ROADS AND URBAN ARTERIALS	35/40 MPH	350'±
RESIDENTIAL AND BUSINESS DISTRICTS	25/30 MPH	200'±(2)
URBAN STREETS	25 MPH OR LESS	100'±(2)

- (1) ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.
- (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

PCMS	
1	2
POPLAR WILL BE CLOSED	MON DA MON DA XPM-XAM
1.5 SEC	1.5 SEC



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No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD
WASHINGTON



Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Checked By	V. WEN
Checked By	V. WEN	Approved By	V. WEN
Project Number	20100156		

SCALE	Horiz	N/A
Vert	N/A	

CITY OF LYNNWOOD
**POPLAR WAY EXTENSION BRIDGE
PHASE 6 - NB POPLAR WAY CLOSURE
DETOUR PLAN**

Drawing No.	DT4
Sheet No.	X of Total

MINIMUM LANE CLOSURE TAPER LENGTH = L (FEET)										
LANE WIDTH (FEET)	POSTED SPEED (MPH)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

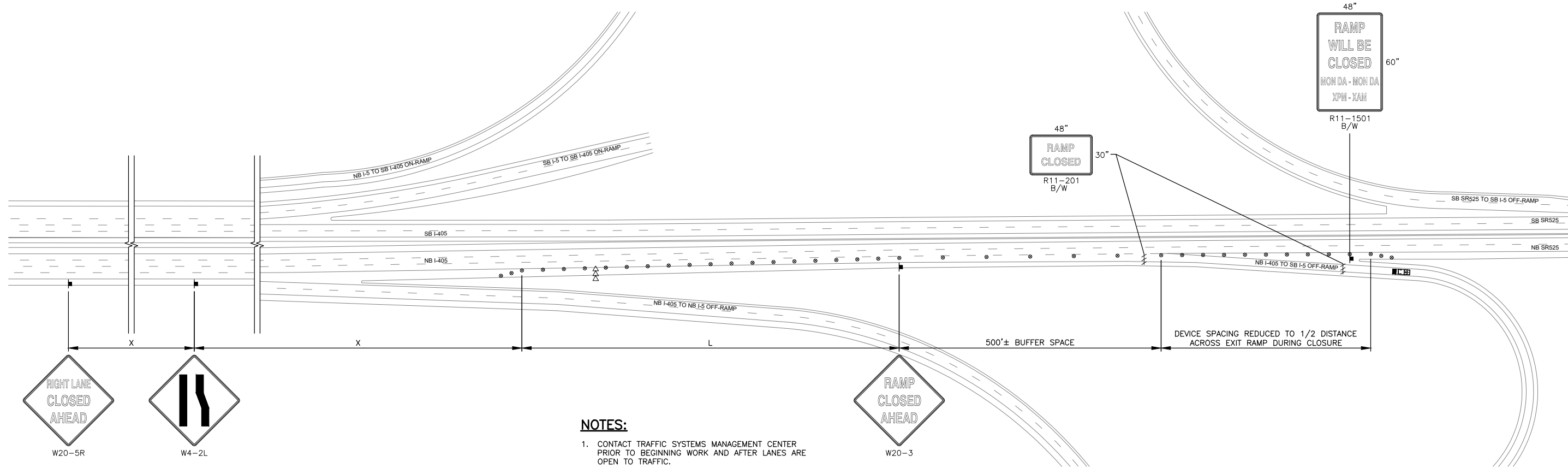
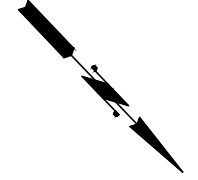
MINIMUM SHOULDER TAPER LENGTH = L (FEET)										
LANE WIDTH* (FEET)	POSTED SPEED (MPH)									
	25	30	35	40	45	50	55	60	65	70
8	40	40	60	90	120	130	150	160	170	190
10	40	60	90	90	150	170	190	200	220	240

*USE A MINIMUM 3 DEVICE TAPER FOR SHOULDERS LESS THAN 8' WIDE

SIGN SPACING (X)		
FREEWAYS AND EXPRESSWAYS	55/70 MPH	1500'±
RURAL HIGHWAYS	60/65 MPH	800'±
RURAL ROADS	45/55 MPH	500'±
RURAL ROADS AND URBAN ARTERIALS	35/40 MPH	350'±
RESIDENTIAL AND BUSINESS DISTRICTS	25/30 MPH	200'±(2)
URBAN STREETS	25 MPH OR LESS	100'±(2)

(1) ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.
 (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40



NOTES:

- CONTACT TRAFFIC SYSTEMS MANAGEMENT CENTER PRIOR TO BEGINNING WORK AND AFTER LANES ARE OPEN TO TRAFFIC.
- ALL CLOSURES AND TRAFFIC IMPACTS SHALL BE COORDINATED WITH NORTHWEST REGION TRAFFIC SECTION AT LEAST 14 DAYS IN ADVANCE OF NEED AND BE ACCEPTED BY THAT GROUP INTO THE NORTHWEST REGION TRAFFIC CLOSURE DATABASE.
- ALL SIGNS SHALL BE 48"X48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
- CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
- TYPE C WARNING LIGHTS SHALL BE ATTACHED TO TRAFFIC SAFETY DRUMS FOR NIGHT TIME WORK ACTIVITY.
- ADVANCE NOTIFICATION OF ROAD CLOSURE SHALL BE POSTED A MINIMUM OF SEVEN DAYS PRIOR TO ROAD CLOSURE.
- SEE SHEET DT4 FOR DETOUR ROUTE AND ADDITIONAL SIGNING REQUIREMENTS.

DETOUR LEGEND:

- CONSTRUCTION SIGN LOCATION
- ≡≡≡ TYPE III BARRICADE
- TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
- ⇨⇨ SEQUENTIAL ARROW SIGN
- ▬ TRUCK MOUNTED IMPACT ATTENUATOR

90% REVIEW
 CHECK PRINT
 NOT FOR CONSTRUCTION

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
LENGTH (FEET)	25	30	35	40	45	50	55	60	65	70
	155	200	250	305	360	425	495	570	645	730
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TRANSPORTABLE ATTENUATOR	30 FEET MIN. TO 100 FEET MAX.									
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.										

May 10, 2023 11:18am sean.delavarpour X:\Lynnwood_City of\Projects\20100156 - Poplar Way Extension Bridge\CADD v.2014\Plan Sheets\Traffic Control\20100156 DT.dwg Layout Name: DT5

No.	Date	Revision	By	Appr.



Drawn By S. DELAVARPOUR	Date 5/2023	SCALE
Designed By E. BORGES	5/2023	Horiz N/A
Checked By V. WEN	5/2023	Vert N/A
Approved By V. WEN	5/2023	Project Number 20100156

CITY OF LYNNWOOD
 POPLAR WAY EXTENSION BRIDGE
 PHASE 4 - SB I-5 MAINLINE CLOSURE
 DETOUR PLAN

Drawing No. DT5
Sheet No. X of Total

MINIMUM LANE CLOSURE TAPER LENGTH = L (FEET)										
LANE WIDTH (FEET)	POSTED SPEED (MPH)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

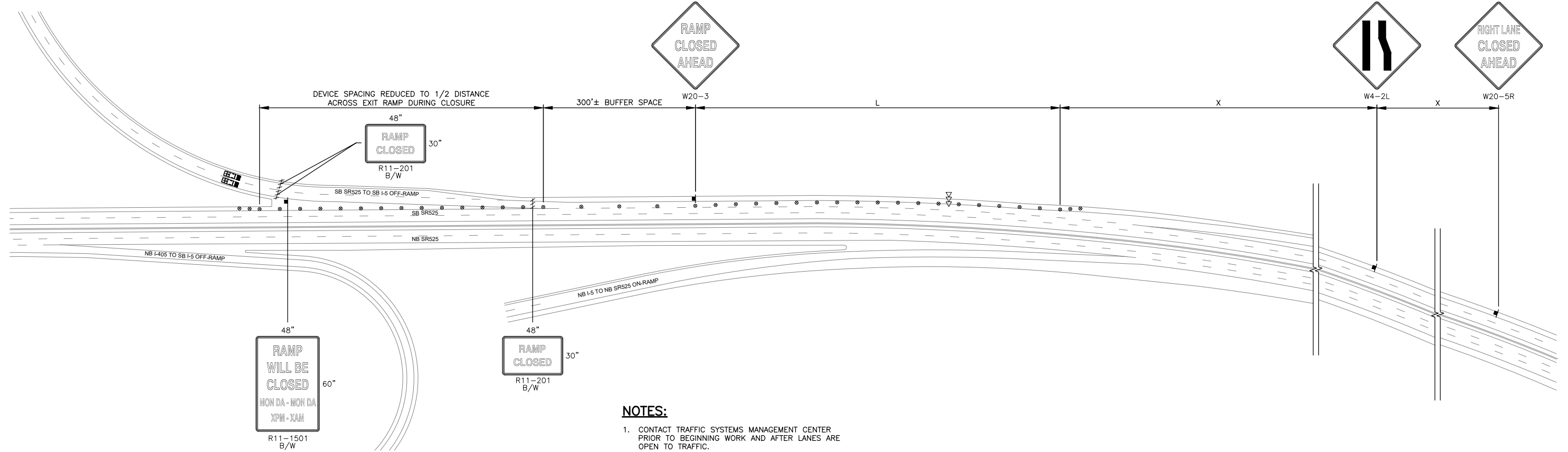
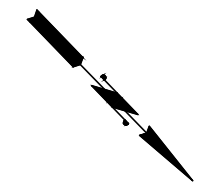
MINIMUM SHOULDER TAPER LENGTH = L (FEET)										
LANE WIDTH* (FEET)	POSTED SPEED (MPH)									
	25	30	35	40	45	50	55	60	65	70
8	40	40	60	90	120	130	150	160	170	190
10	40	60	90	90	150	170	190	200	220	240

*USE A MINIMUM 3 DEVICE TAPER FOR SHOULDERS LESS THAN 8' WIDE

SIGN SPACING (X)		
FREEWAYS AND EXPRESSWAYS	55/70 MPH	1500'±
RURAL HIGHWAYS	60/65 MPH	800'±
RURAL ROADS	45/55 MPH	500'±
RURAL ROADS AND URBAN ARTERIALS	35/40 MPH	350'±
RESIDENTIAL AND BUSINESS DISTRICTS	25/30 MPH	200'±(2)
URBAN STREETS	25 MPH OR LESS	100'±(2)

(1) ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.
 (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40



NOTES:

- CONTACT TRAFFIC SYSTEMS MANAGEMENT CENTER PRIOR TO BEGINNING WORK AND AFTER LANES ARE OPEN TO TRAFFIC.
- ALL CLOSURES AND TRAFFIC IMPACTS SHALL BE COORDINATED WITH NORTHWEST REGION TRAFFIC SECTION AT LEAST 14 DAYS IN ADVANCE OF NEED AND BE ACCEPTED BY THAT GROUP INTO THE NORTHWEST REGION TRAFFIC CLOSURE DATABASE.
- ALL SIGNS SHALL BE 48"X48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
- CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
- TYPE C WARNING LIGHTS SHALL BE ATTACHED TO TRAFFIC SAFETY DRUMS FOR NIGHT TIME WORK ACTIVITY.
- ADVANCE NOTIFICATION OF ROAD CLOSURE SHALL BE POSTED A MINIMUM OF SEVEN DAYS PRIOR TO ROAD CLOSURE.
- SEE SHEET DT4 FOR DETOUR ROUTE AND ADDITIONAL SIGNING REQUIREMENTS.

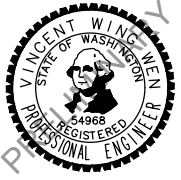
DETOUR LEGEND:

- CONSTRUCTION SIGN LOCATION
- TYPE III BARRICADE
- TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
- SEQUENTIAL ARROW SIGN
- TRUCK MOUNTED IMPACT ATTENUATOR

90% REVIEW
 CHECK PRINT
 NOT FOR CONSTRUCTION

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
LENGTH (FEET)	25	30	35	40	45	50	55	60	65	70
	155	200	250	305	360	425	495	570	645	730
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TRANSPORTABLE ATTENUATOR							30 FEET MIN. TO 100 FEET MAX.			
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.										

May 10, 2023 - 11:18am seen.delavarpour X:\Lynnwood_City of\Projects\20100156 - Poplar Way Extension Bridge\CADD v.2014\Plan Sheets\Traffic Control\20100156_DT.dwg Layout Name: DT6



Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Date	5/2023
Checked By	V. WEN	Date	5/2023
Approved By	V. WEN	Date	5/2023

SCALE	
Horiz	N/A
Vert	N/A
Project Number	20100156






CITY OF LYNNWOOD
 POPLAR WAY EXTENSION BRIDGE
 PHASE 4 - SB I-5 MAINLINE CLOSURE
 DETOUR PLAN

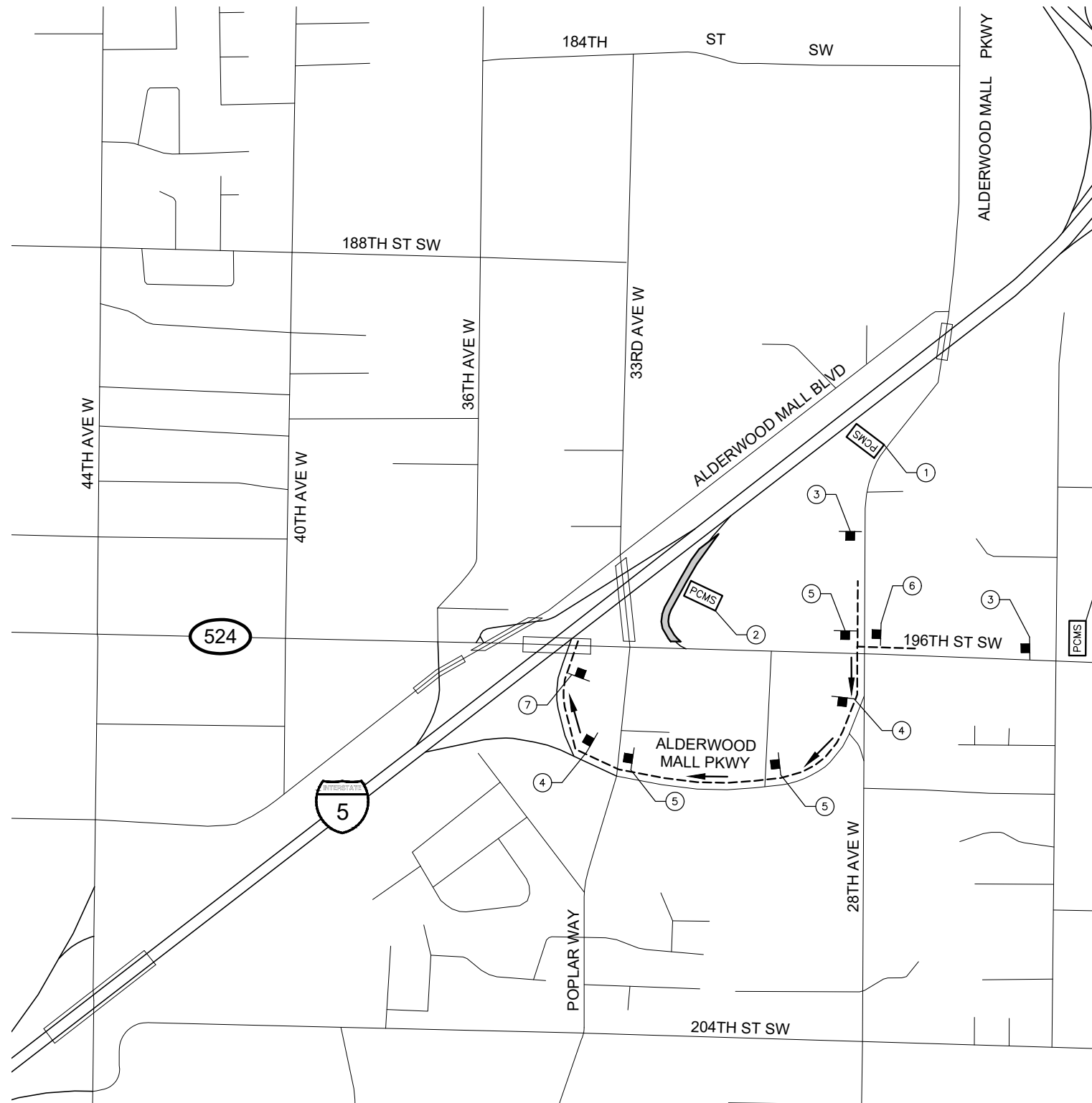
Drawing No.	DT6
Sheet No.	X
of Total	X

NOTES:

- CONTACT TRAFFIC SYSTEMS MANAGEMENT CENTER PRIOR TO BEGINNING WORK AND AFTER LANES ARE OPEN TO TRAFFIC.
- ALL CLOSURES AND TRAFFIC IMPACTS SHALL BE COORDINATED WITH NORTHWEST REGION TRAFFIC SECTION AT LEAST 14 DAYS IN ADVANCE OF NEED AND BE ACCEPTED BY THAT GROUP INTO THE NORTHWEST REGION TRAFFIC CLOSURE DATABASE.
- ALL SIGNS SHALL BE 48"x48" BLACK ON ORANGE UNLESS OTHERWISE NOTED.
- CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
- 8' MINIMUM SHOULDER WIDTH REQUIRED FOR PORTABLE CHANGEABLE MESSAGE SIGNS.
- TYPE C WARNING LIGHTS SHALL BE ATTACHED TO TRAFFIC SAFETY DRUMS FOR NIGHT TIME WORK ACTIVITY.
- ADVANCE NOTIFICATION OF ROAD CLOSURE SHALL BE POSTED A MINIMUM OF SEVEN DAYS PRIOR TO ROAD CLOSURE.

DETOUR LEGEND:

-  CONSTRUCTION SIGN LOCATION
-  SIGN NO.
-  PORTABLE CHANGEABLE MESSAGE SIGN
-  ROAD CLOSED
-  DETOUR ROUTE



SIGN SPACING		
FREEWAYS AND EXPRESSWAYS	55/70 MPH	1500'±
RURAL HIGHWAYS	60/65 MPH	800'±
RURAL ROADS	45/55 MPH	500'±
RURAL ROADS AND URBAN ARTERIALS	35/40 MPH	350'±
RESIDENTIAL AND BUSINESS DISTRICTS	25/30 MPH	200'±(2)
URBAN STREETS	25 MPH OR LESS	100'±(2)

- ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.
- THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

PCMS	
1	2
NB I-5 ON-RAMP CLOSED	FOLLOW DETOUR
1.5 SEC	1.5 SEC

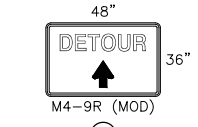
PCMS	
1	2
RAMP WILL BE CLOSED	MON DA MON DA XPM-XAM
1.5 SEC	1.5 SEC



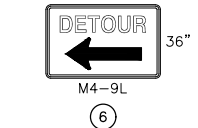
W20-2
3



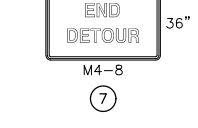
48"
36"
M4-9R (MOD)
4



48"
36"
M4-9R (MOD)
5



48"
36"
M4-9L
6



48"
36"
M4-8
7

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May 10, 2023 11:18am sean.delavarpour X:\Projects\20100156 - Poplar Way Extension Bridge\CADD v.2014\Plan Sheets\Traffic Control\20100156 DT.dwg Layout Name: DT7

No.	Date	Revision	By	Appr.

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

LYNNWOOD WASHINGTON



Drawn By	S. DELAVARPOUR	Date	5/2023
Designed By	E. BORGES	Checked By	V. WEN
Checked By	V. WEN	Approved By	V. WEN
Project Number	20100156		

SCALE	Horiz	N/A
	Vert	N/A

CITY OF LYNNWOOD
POPLAR WAY EXTENSION BRIDGE
PHASE 5 - WB 524 TO NB I-5 ON-RAMP CLOSURE
DETOUR PLAN

Drawing No.	DT7
Sheet No.	X of X