

CITY OF KIRKLAND WASHINGTON

NE 85TH ST PED-BIKE CONNECTION 114TH AVE NE TO 6TH ST

JOB NO. 37-24-PW
CIP NO. STC1070000

JANUARY 2025



CITY OFFICIALS

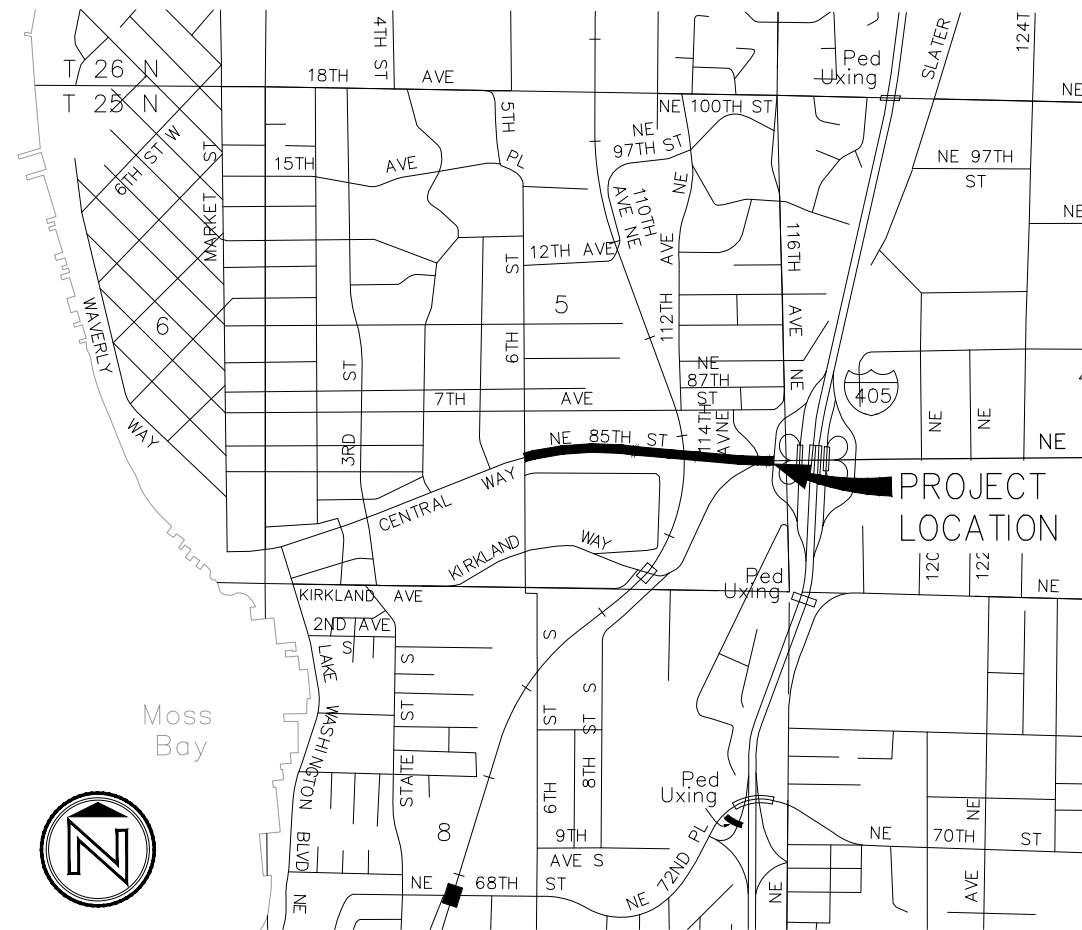
KELLI CURTIS	MAYOR
JAY ARNOLD	DEPUTY MAYOR
NEAL BLACK	COUNCIL MEMBER
PENNY SWEET	COUNCIL MEMBER
AMY FALCONE	COUNCIL MEMBER
JON PASCAL	COUNCIL MEMBER
JOHN TYMCZYSZYN	COUNCIL MEMBER
KURT TRIPLETT	CITY MANAGER
TRUC DEVER	PUBLIC WORKS DIRECTOR
GEORGE MINASSIAN, PE	CAPITAL PROJECTS MANAGER

CONTACT PERSONNEL

NAME	AGENCY	PHONE
VINCENT WEN, PE	PERTEET INC.	425-322-0288
KIM CORAZA, PE	COK PROJECT ENGINEER	425-587-3800
KIARA SKYE	PSE (GAS & ELECTRIC)	425-213-9205
CHERYL SCHNEIDER	ZIPLY	425-949-0230
BIANCA CRAWFORD	COMCAST	253-303-2723
KIM BODTKER	ZAYO	206-841-5545
STEVE HOOPES	COK CONSTRUCTION INSPECTOR	425-623-5086
RIK MAYER	COK CONSTRUCTION INSPECTOR	206-496-4265
STEVE FOSS	KING COUNTY SEWER	206-255-6047
DISPATCH	COK POLICE	425-587-3435
DISPATCH	COK FIRE	425-587-3722
	COK SPILL RESPONSE HOTLINE	425-587-3900
	EMERGENCY	911
	ONE CALL LOCATES	1-800-424-5555
DAVID FREEMAN	KING COUNTY METRO (KCM)	206-477-1140
	KCM INSPECTORS AND CONSTRUCTION	260-263-2381



VICINITY MAP



INDEX OF DRAWINGS

SHEET NO.	DWG. NO.	DESCRIPTION
1	GN1	COVER SHEET
2	GN2	LEGEND AND ABBREVIATIONS
3	AL1	CONSTRUCTION ALIGNMENT AND SURVEY CONTROL PLAN
4 - 8	SP1 - SP5	SITE PREPARATION & TESC PLAN
9 - 11	RS1 - RS3	TYPICAL ROADWAY SECTIONS
12 - 16	RP1 - RP5	ROADWAY PLAN AND PROFILE
17	JT1	CEMENT CONC. PAVEMENT JOINTING PLAN
18 - 20	RD1 - RD3	ROADWAY DETAILS
21 - 23	DR1 - DR3	DRAINAGE PLAN
24 - 27	DP1 - DP4	DRAINAGE PROFILES
28 - 29	DD1 - DD2	DRAINAGE DETAILS
30	S1	BRIDGE PLANS - GENERAL STRUCTURAL NOTES
31	S2	BRIDGE PLANS - SITE PLAN
32	S3	BRIDGE PLANS - ALIGNMENT & PROFILE
33 - 34	S4 - S5	BRIDGE PLANS - GENERAL ARRANGEMENT
35	S6	BRIDGE PLANS - FOUNDATION LAYOUT
36	S7	BRIDGE PLANS - DRILLED SHAFT DETAILS
37	S8	BRIDGE PLANS - ABUTMENT A1 - OUTLINE
38	S9	BRIDGE PLANS - ABUTMENT A1 - REINFORCEMENT
39	S10	BRIDGE PLANS - PIERS - OUTLINE
40	S11	BRIDGE PLANS - PIERS - REINFORCEMENT
41	S12	BRIDGE PLANS - ABUTMENT A4 - OUTLINE
42	S13	BRIDGE PLANS - BEARINGS
43	S14	BRIDGE PLANS - GIRDER LAYOUT
44 - 46	S15 - S17	BRIDGE PLANS - GIRDER DETAILS
47	S18	BRIDGE PLANS - ABUTMENT DIAPHRAGMS
48	S19	BRIDGE PLANS - PIER DIAPHRAGMS
49	S20	BRIDGE PLANS - DECK LAYOUT
50	S21	BRIDGE PLANS - DECK REINFORCEMENT
51	S22	BRIDGE PLANS - DECK LUMINAIRE SUPPORTS
52	S23	BRIDGE PLANS - DECK CURB DETAILS
53	S24	BRIDGE PLANS - JUMP SPANS - OUTLINE
54	S25	BRIDGE PLANS - JUMP SPANS - DETAILS
55	S26	BRIDGE PLANS - JUMP SPANS - REINFORCEMENT
56	S27	BRIDGE PLANS - RAILING - SOUTH CURB
57	S28	BRIDGE PLANS - RAILING - NORTH PARAPET
58 - 59	S29 - S30	BRIDGE PLANS - MEDIAN WALLS
60	S31	BRIDGE PLANS - ABUTMENT A1 STAGING PLAN
61	S32	BRIDGE PLANS - PIER STAGING PLAN
62	S33	BRIDGE PLANS - ABUTMENT A4 STAGING PLAN
63 - 65	S34 - S36	BRIDGE PLANS - CONSTRUCTION STAGING
66 - 70	WP1 - WP5	WALL PLAN AND ELEVATION
71	WD1	WALL DETAILS AND SECTIONS
72 - 76	CH1 - CH5	CHANNELIZATION AND SIGNING PLAN
77 - 81	IL1-IL5	ILLUMINATION PLAN
82	IL6	ILLUMINATION DETAILS
83	SG1	SIGNAL PLAN
84	SG2	SIGNAL DETAILS
85	LS1	PLANTING SCHEDULE, LEGEND, NOTES, TREE MITIGATION REPLACEMENT & ABBVS
86	LS2	IRRIGATION SCHEDULE, NOTES, LEGEND AND DETAIL
87 - 91	LP1 - LP5	LANDSCAPE PLAN
92 - 93	LD1 - LD2	PLANTING DETAILS
94	LD3	TREE WELL INSTALLATION ENLARGEMENTS
95 - 96	ID1 - ID2	IRRIGATION DETAILS
97 - 98	CS1 - CS2	CONSTRUCTION SEQUENCING PLAN
99 - 100	PD1 - PD2	CONSTRUCTION PEDESTRIAN DETOUR PLAN

DWG. NO. GN1

SHEET

1 / 100

Jan. 06, 2025 - 4:12pm nancy.anton x:\kirkland_city_of\Projects\20210013 - ne 85th st ped-bike\CADD\02 - plan sheets\20210013 GN.dwg Layout Name: GN1

WATER SYMBOLS

SYMBOL	EXIST.	PROP.	DESCRIPTION
			CAP/PLUG
			COUPLING
			GUARD POST
			REDUCER
			THRUST BLOCKING
			WATER METER
			FIRE HYDRANT 2-NOZZLE
			FIRE HYDRANT 3-NOZZLE
			FLANGE/BLIND FL(FL) (BL FL)
			MECHANICAL JOINT (MJ)
			PUSH-ON/HUB
			THREAD
			GATE/GENERAL VALVE

GAS/POWER/TELEPHONE SYMBOLS

SYMBOL	EXIST.	PROP.	DESCRIPTION
			GAS METER
			GAS VALVE
			PAD MOUNTED TRANSFORMER
			POWER VAULT
			UTILITY POLE
			UTILITY POLE ANCHOR
			TELEPHONE RISER
			TELEPHONE VAULT
			UTILITY VAULT/MANHOLE

SURFACE FEATURES/LANDSCAPING

SYMBOL	EXIST.	PROP.	DESCRIPTION
			BUS STOP
			MAIL BOX
			ROCKERY
			SHRUB
			SIGN
			TREE (CONIFER)
			TREE (DECIDUOUS)
			FENCE POST
			WHEELCHAIR RAMP
			LUMINAIRE

SANITARY/STORM SEWER SYMBOLS

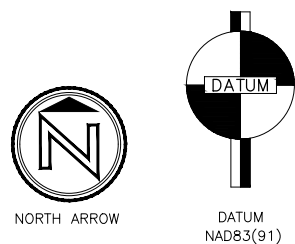
SYMBOL	EXIST.	PROP.	DESCRIPTION
			SANITARY SEWER CLEAN OUT
			SANITARY SEWER MANHOLE
			STORM DRAIN CATCH BASIN (TYPE 1)
			STORM DRAIN CULVERT
			STORM DRAIN CATCH BASIN (TYPE 2)
			STORM DRAIN MANHOLE

SURVEY SYMBOLS

SYMBOL	EXIST.	PROP.	DESCRIPTION
			ANGLE POINT
			BENCH MARK
			BLOCK CORNER
			IRON PIPE
			MONUMENT (IN CASE)
			MONUMENT (SURFACE)
			OWNERSHIP TIE
			SECTION CENTER
			SECTION CORNER
			QUARTER CORNER
			SIXTEENTH CORNER
			SPOT ELEVATION

CONSTRUCTION NOTES

	CONSTRUCTION NOTES
	CURB RETURN CALL OUT NOTES
	CHANNELIZATION NOTES



CHANNELIZATION SYMBOLS

SYMBOL	EXIST.	PROP.	DESCRIPTION
			ONLY
			STOP
			BICYCLE LANE MARKING
			STRAIGHT ARROW
			LT.RT.STR. ARROW
			LEFT-RIGHT ARROW
			LEFT TURN ARROW
			RIGHT TURN ARROW
			LEFT-STRAIGHT ARROW
			RIGHT-STRAIGHT ARROW
			LANE MARKER TYPE I
			LANE MARKER TYPE II

ELECTRICAL SYMBOLS

SYMBOL	DESCRIPTION
	STRING LIGHTING
	RAPID REFLECTIVE FLASHING BEACON
	TRAFFIC CONTROLLER CABINET
	ELECTRICAL SERVICE CABINET
	JUNCTION BOX TYPE 1, 2, 8
	LIGHT STANDARD
	SIGNAL POLE W/ MAST ARM
	SIGNAL POLE W/ MAST ARM & LUMINAIRE
	PEDESTRIAN PUSHBUTTON POST
	TYPE PS POLE
	VEHICLE SIGNAL HEAD
	VEHICLE SIGNAL HEAD W/ARROW INDICATION
	VIDEO DETECTION CAMERA
	PEDESTRIAN SIGNAL HEAD
	EMERGENCY PRE-EMPTION DETECTOR
	PAN-TILT-ZOOM CAMERA
	SIGN
	CONDUIT
	WIRE NOTE
	SIGNAL POLE NOTE
	CONSTRUCTION NOTE

ABBREVIATIONS

AC	ASBESTOS CEMENT
ACP	ASPHALT CONCRETE PAVEMENT
ADJ	ADJUST
ALIGN	ALIGNMENT
ALT	ALTERNATE
AP	ANGLE POINT
APPROX	APPROXIMATELY
ASPH	ASPHALT
AVE	AVENUE
AVG	AVERAGE
BM	BENCH MARK
BOT	BOTTOM
BTWN	BETWEEN
CB	CATCH BASIN
CB1	CATCH BASIN TYPE 1
CB2	CATCH BASIN TYPE 2
CG	CURB & GUTTER
C/L, CL, C	CENTERLINE
CKC	CROSS KIRKLAND CORRIDOR
CKT	CIRCUIT
COK	CITY OF KIRKLAND
CHANN	CHANNELIZATION
COM	COMMON
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCT
CONT	CONTINUED/CONTINUOUS
DET	DETAIL
DI	DUCTILE IRON
DWG	DRAWING
EA	EACH
E	EAST
EL	ELEVATION
EX, EXST	EXISTING
FH	FIRE HYDRANT
FT	FEET/FOOT
G	GAS LINE
GE	GROUND ELEVATION
GV	GAS VALVE
HORIZ	HORIZONTAL
HPS	HIGH PRESSURE SODIUM
HT	HEIGHT
HVSF	HIGH VISIBILITY SILT FENCE
IE	INVERT ELEVATION
ILLUM	ILLUMINATION
IN	INCH/INCHES
INT	INTERSECTION
LB	POUND
LBS	POUNDS
LED	LIGHT-EMITTING DIODE
LF	LINEAL FOOT/FEET
LT	LEFT
LUMIN	LUMINAIRE
LW	LENGTH/WIDTH
MAX	MAXIMUM
MB	MAILBOX
MH	MANHOLE
MIN	MINIMUM
MON	MONUMENT
N	NORTH
NA	NOT APPLICABLE
NTS	NOT TO SCALE
OPP	OPPOSITE
PC	POINT OF CURVE
PROP	PROPOSED
PT	POINT OF TANGENT
PVMT	PAVEMENT
R	RADIUS
RRFB	RECTANGULAR RAPID FLASHING BEACON
REF	REFERENCE
RT	RIGHT
RTM	RUBBER TILE MAT
R/W, ROW	RIGHT OF WAY
S	SOUTH
SD	STORM DRAIN
STLT	STREET LIGHT
SLJB	STREET LIGHTING JUNCTION BOX
SS	SANITARY SEWER
ST	STREET
STA	STATION
S/W	SIDEWALK
T.O.C.	TOP OF CURB
TV	TELEVISION
UD	UNDERDRAIN
UTIL	UTILITY
VERT	VERTICAL
W	WEST, WATER LINE
W/	WITH

LINETYPES

LINETYPE	DESCRIPTION
	SURFACE FEATURES:
	EXISTING BUILDING LINE
	PROPOSED BUILDING LINE
	EXISTING DITCH
	PROPOSED DITCH
	EXISTING CURB/PAVEMENT/SIDEWALK
	PROPOSED CURB/PAVEMENT/SIDEWALK
	EXISTING FENCE LINE
	PROPOSED FENCE LINE
	EXISTING GRAVEL
	EXISTING RETAINING WALL
	PROPOSED RETAINING WALL
	VEGETATION LINE
SURVEY:	
	EXISTING CENTERLINE
	PROPOSED CENTERLINE
	EXISTING CONTOUR (INTERMEDIATE)
	PROPOSED CONTOUR (INTERMEDIATE)
	EXISTING CONTOUR (INDEX)
	PROPOSED CONTOUR (INDEX)
	EXISTING EASEMENT LINE
	PROPOSED EASEMENT LINE
	EXISTING PROPERTY LINE
	EXISTING RIGHT OF WAY CENTERLINE
	EXISTING RIGHT OF WAY
	EXISTING RIGHT OF WAY (USED)
	PROPOSED RIGHT OF WAY
	SECTION LINE
	QUARTER SECTION LINE
	16TH SECTION LINE
UTILITIES (EXISTING)	
	EXISTING GAS LINE
	EXISTING AERIAL POWER
	EXISTING BURIED POWER
	EXISTING STORM DRAIN
	EXISTING FORCE MAIN
	EXISTING SANITARY SEWER
	EXISTING AERIAL TELEPHONE
	EXISTING BURIED TELEPHONE
	EXISTING BURIED FIBER
	EXISTING WATER LINE
UTILITIES (PROPOSED)	
	PROPOSED GAS LINE
	PROPOSED AERIAL POWER
	PROPOSED BURIED POWER
	PROPOSED STORM DRAIN
	PROPOSED FORCE MAIN
	PROPOSED SANITARY SEWER
	PROPOSED AERIAL TELEPHONE
	PROPOSED BURIED TELEPHONE
	PROPOSED WATER LINE
CUSTOM:	
	CUT LINE
	FILL LINE
	SILT FENCE
	CONSTRUCTION FENCE

DWG. NO. GN2



FILE	ENGR.	REVIEW	SCALE	DATE
GN2	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800

NE 85TH ST PED-BIKE CONNECTION

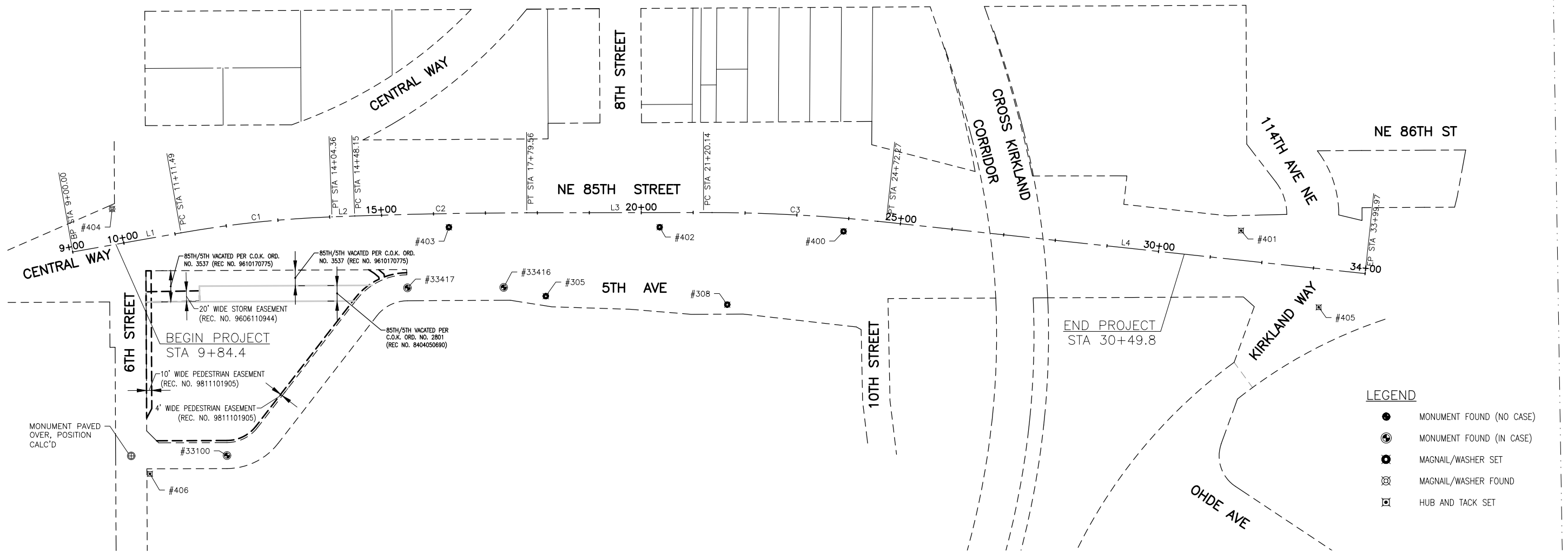
LEGEND AND ABBREVIATIONS

SHEET

2

100

SEC. 5, T. 25 N, R. 5 E, W.M.



- LEGEND**
- MONUMENT FOUND (NO CASE)
 - ⊙ MONUMENT FOUND (IN CASE)
 - ⊗ MAGNAIL/WASHER SET
 - ⊗ MAGNAIL/WASHER FOUND
 - ⊠ HUB AND TACK SET

NOTES:

1. THE CONTRACTOR SHALL FILE A MONUMENT DESTRUCTION PERMIT WITH THE DEPARTMENT OF NATURAL RESOURCES (DNR) PRIOR TO REMOVING ANY MONUMENT. ALL MONUMENTS REMOVED DURING CONSTRUCTION SHALL BE RESTORED AND A COMPLETION REPORT SHALL BE FILED WITH THE DNR UPON COMPLETION OF MONUMENT RESTORATION WORK.
2. PARCEL AND RIGHT-OF-WAY LINES TAKEN FROM CITY OF KIRKLAND GIS SYSTEM, WITH THE EXCEPTION OF THOSE NOTED ON THE PLAN WITH RECORD NUMBERS.

SURVEY INFORMATION

HORIZONTAL DATUM

NAD83/91
WASHINGTON STATE COORDINATES-NORTH ZONE

VERTICAL DATUM

NORTH AMERICAN VERTICAL DATUM-1988

SITE BENCHMARK

PROJECT BENCHMARKS (NORTH AMERICAN VERTICAL DATUM-1988)
CITY OF KIRKLAND CONTROL MONUMENT #23 @ THE SOUTH QUARTER CORNER OF SECTION 5
ELEVATION = 140.41 FEET

BASIS OF BEARING

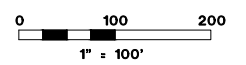
NAD83/91 FROM CITY OF KIRKLAND HORIZONTAL CONTROL
MONUMENTED SOUTH LINE OF THE SE QUARTER OF SECTION 5,
TWP. 25, RGE. 5E, W.M.
(BEARING = N 89°47'22" E)

SURVEY CONTROL POINT TABLE

NUMBER	STATION (OFFSET)	NORTHING	EASTING	ELEVATION	DESCRIPTION
305	18+16.09 (160.55' RT)	250636.41	1305304.68	88.78	SET MAG NAIL
308	21+68.15 (177.03' RT)	250620.11	1305654.15	101.00	SET MAG NAIL & WASHER
400	23+92.02 (25.49' RT)	250761.04	1305877.98	174.67	SET MAG NAIL & WASHER
401	31+53.69 (56.73' LT)	250762.60	1306643.54	221.21	SET HUB & MAG
402	20+35.50 (28.14' RT)	250769.14	1305523.89	152.02	SET MAG NAIL & WASHER
403	16+29.22 (26.51' RT)	250768.98	1305118.04	126.00	SET MAG NAIL & WASHER
404	9+89.27 (68.43' LT)	250804.25	1304469.58	87.11	FOUND MAG
405	33+18.04 (74.20' RT)	250614.96	1306793.07	227.74	SET HUB & MAG
406	9+72.32 (446.50' RT)	250294.28	1304542.39	73.89	SET HUB & MAG
33417	15+46.20 (141.38' RT)	250652.35	1305038.27	85.9200	FOUND CONCRETE MONUMENT IN BRASS CASE WITH BRASS DISC "PLS #17667 (11/2022)"
33416	17+34.39 (143.55' RT)	250653.18	1305223.64	TBM 88.07'	FOUND CONCRETE MONUMENT IN BRASS CASE WITH BRASS DISC "PLS #17667 (11/2022)"
33100	11+28.17 (437.63' RT)	280329.47	1304690.87	80.8600	FOUND CONCRETE MONUMENT IN BRASS CASE WITH BRASS DISC "PLS #17667 (11/2022)"

NE 85TH CL CONSTRUCTION CENTERLINE ALIGNMENT CONTROL

SEGMENT NO.	START STATION	END STATION	BEGIN NORTHING	BEGIN EASTING	END NORTHING	END EASTING	BEARING	DELTA	RADIUS	TANGENT	LENGTH
L1	9+00.00	11+11.49	250721.46	1304393.53	250758.20	1304601.80	N79°59'47"E				211.485'
C1	11+11.49	14+04.36	250758.20	1304601.80	250789.02	1304892.81		7°54'55"	2120.00'	146.67'	292.874'
L2	14+04.36	14+48.15	250789.02	1304892.81	250790.62	1304936.58	N87°54'43"E				43.796'
C2	14+48.15	17+79.56	250790.62	1304936.58	250796.90	1305267.91		2°00'11"	9480.00'	165.72'	331.404'
L3	17+79.56	21+20.14	250796.90	1305267.91	250797.41	1305608.49	N89°54'53"E				340.584'
C3	21+20.14	24+72.27	250797.41	1305608.49	250778.87	1305959.95		6°12'28"	3250.00'	176.23'	352.122'
L4	24+72.27	33+99.97	250778.87	1305959.95	250679.93	1306882.37	S83°52'39"E				927.703'



DWG. NO. AL1



FILE	ENGR.	REVIEW	SCALE	DATE
AL1	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800

NE 85TH ST PED-BIKE CONNECTION

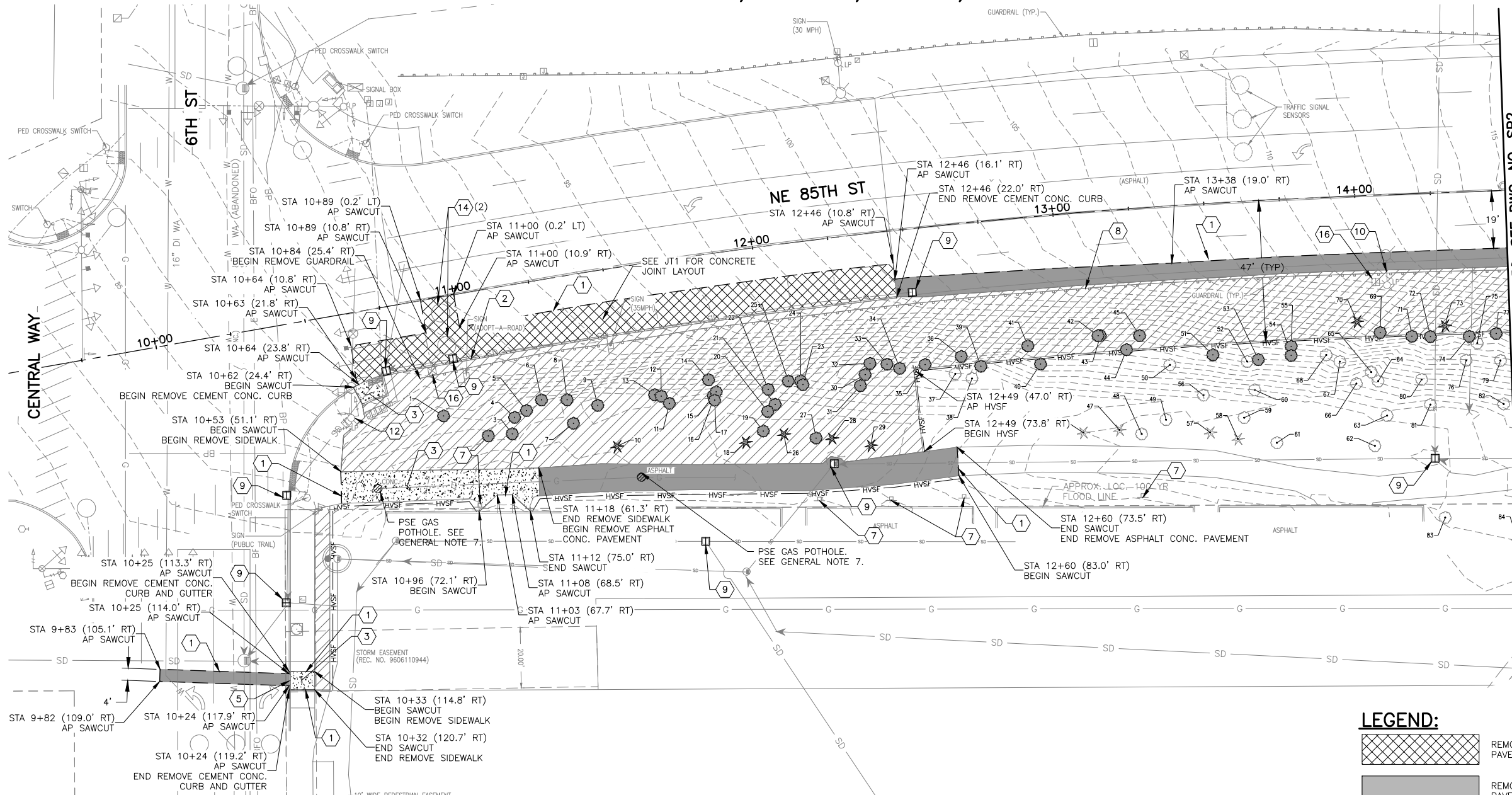
CONSTRUCTION ALIGNMENT AND SURVEY CONTROL PLAN

SHEET

3

100

SEC. 5, T. 25 N, R. 5 E, W.M.



CONSTRUCTION NOTES:

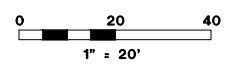
- 1 SAWCUT, FULL DEPTH.
- 2 REMOVE EXISTING CEMENT CONC. CURB.
- 3 REMOVE CEMENT CONCRETE SIDEWALK.
- 4 REMOVE EXISTING FENCE. INCLUDED IN REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
- 5 REMOVE EXISTING CEMENT CONC. CURB AND GUTTER.
- 6 REMOVE EXISTING ASPHALT CURB.
- 7 PROTECT EXISTING SIGN.
- 8 REMOVE GUARDRAIL.
- 9 INSTALL STORM DRAIN INLET PROTECTION.
- 10 REMOVE EXISTING ROADWAY LIGHT POLE.
- 11 REMOVE EXISTING CHAIN LINK FENCE.
- 12 PROTECT EXISTING ROADWAY LIGHT POLE.
- 13 REMOVE EXISTING BIN WALL. REMOVAL LIMITS SHALL BE ALIGNED AT EXISTING WALL JOINTS AS FEASIBLE.
- 14 REMOVE SIGNAL LOOPS.
- 15 REMOVE RAISED PAVEMENT MARKINGS.
- 16 REMOVE JUNCTION BOX.

GENERAL NOTES:

1. DRAINAGE PIPE, STRUCTURE REMOVALS AND ADJUSTMENTS SHOWN ON DRAINAGE PLANS, DWG. NO. DR1-DR5.
2. TRAFFIC SIGNAL/JUNCTION BOX REMOVALS SHOWN ON SIGNAL PLAN, DWG. NO. SG1.
3. FOR LUMINAIRE AND FOUNDATION REMOVALS, SEE ILLUMINATION PLANS, DWG. NO. IL1-IL5.
4. WITHIN THE CLEARING AND GRUBBING LIMITS, THE CONTRACTOR SHALL REMOVE ALL TREES, VEGETATION, AND OTHER SHRUBBERY. CLEARING AND GRUBBING SHALL BE DONE USING HAND METHODS WITHIN 12'-0" OF EXISTING TREES TO REMAIN.
5. EXISTING SIGNS SHALL BE REMOVED PER DWG. NO. CH1-CH5.
6. ANY CONSTRUCTION OR INSTALLATION AFFECTING TRANSIT OPERATIONS OR FACILITIES MUST BE COORDINATED THROUGH METRO TRANSIT INFORMATION CENTER. FOR NOTIFICATION INFORMATION AND GUIDELINES PLEASE CONTACT CONSTRUCTION COORDINATORS AT 206-477-1140. PLEASE PROVIDE FIVE BUSINESS DAYS NOTIFICATION FOR BUS REROUTES AND THREE BUSINESS DAYS NOTIFICATION FOR BUS STOP IMPACTS.
7. FOR POT HOLE INFORMATION, SEE SPECIAL PROVISIONS 1-02.4, 1-07.17.

LEGEND:

- REMOVE EXISTING CEMENT CONC. PAVEMENT
- REMOVE EXISTING ASPHALT CONC. PAVEMENT
- REMOVE CEMENT CONC. SIDEWALK
- CLEARING AND GRUBBING LIMITS. SEE GENERAL NOTE 4
- SAWCUT
- HIGH VISIBILITY SILT FENCE, PER WSDOT STD. PLAN I-30.16-01
- EXISTING RIGHT-OF-WAY
- INLET PROTECTION, PER COK STD. PLAN CK-E.11
- EXISTING TREES TO BE PROTECTED
- TREE TO BE REMOVED



DWG. NO. SP1



FILE	ENGR.	REVIEW	SCALE	DATE
SP1	##	##	1"=20'	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



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PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800

NE 85TH ST PED-BIKE CONNECTION

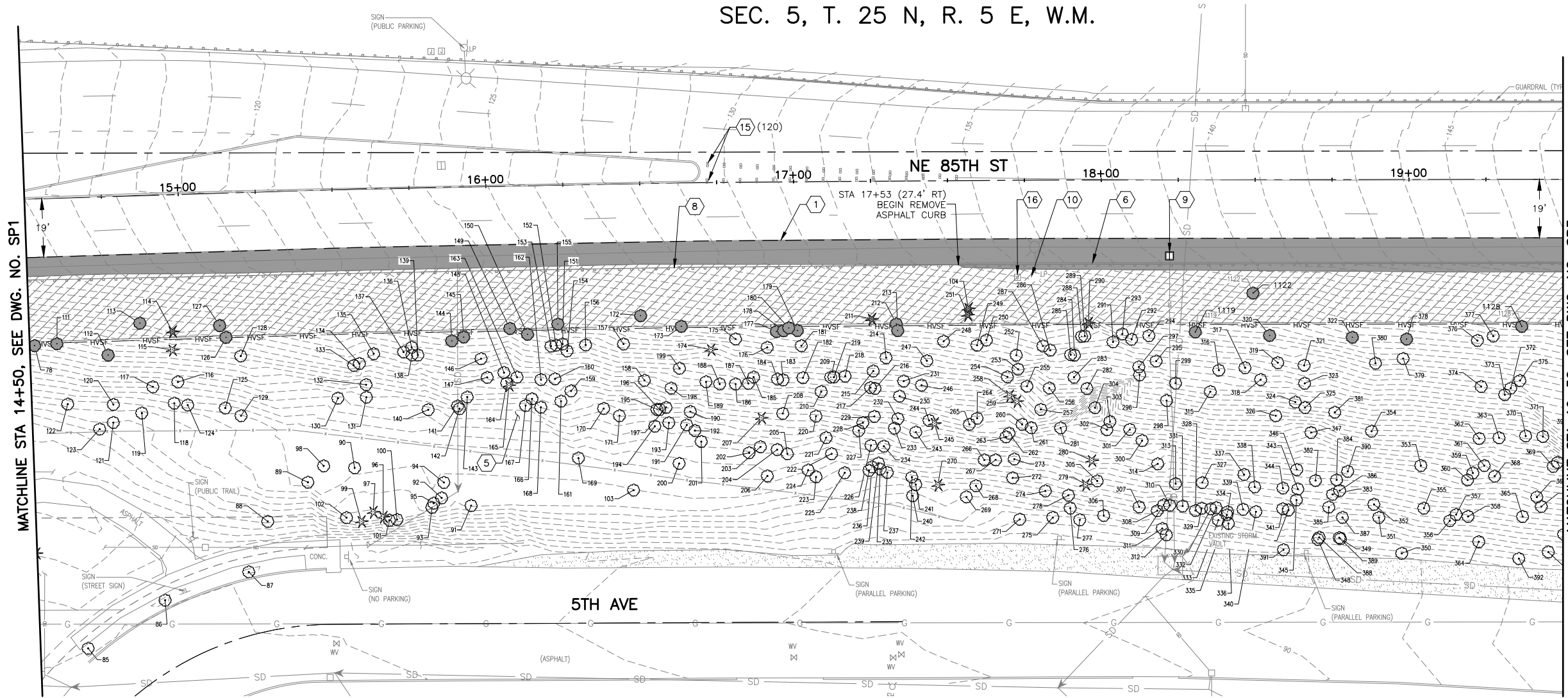
SITE PREPARATION & TESC PLAN

SHEET

4

100

SEC. 5, T. 25 N, R. 5 E, W.M.



CONSTRUCTION NOTES:

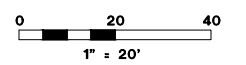
- 1 SAWCUT, FULL DEPTH.
- 2 REMOVE EXISTING CEMENT CONC. CURB.
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- 7 PROTECT EXISTING SIGN.
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- 10 REMOVE EXISTING ROADWAY LIGHT POLE.
- 11 REMOVE EXISTING CHAIN LINK FENCE.
- 12 PROTECT EXISTING ROADWAY LIGHT POLE.
- 13 REMOVE EXISTING BIN WALL. REMOVAL LIMITS SHALL BE ALIGNED AT EXISTING WALL JOINTS AS FEASIBLE.
- 14 REMOVE SIGNAL LOOPS.
- 15 REMOVE RAISED PAVEMENT MARKINGS.
- 16 REMOVE JUNCTION BOX.

GENERAL NOTES:

1. DRAINAGE PIPE, STRUCTURE REMOVALS AND ADJUSTMENTS SHOWN ON DRAINAGE PLANS, DWG. NO. DR1-DR5.
2. TRAFFIC SIGNAL/JUNCTION BOX REMOVALS SHOWN ON SIGNAL PLAN, DWG. NO. SG1.
3. FOR LUMINAIRE AND FOUNDATION REMOVALS, SEE ILLUMINATION PLANS, DWG. NO. IL1-IL5.
4. WITHIN THE CLEARING AND GRUBBING LIMITS, THE CONTRACTOR SHALL REMOVE ALL TREES, VEGETATION, AND OTHER SHRUBBERY. CLEARING AND GRUBBING SHALL BE DONE USING HAND METHODS WITHIN 12'-0" OF EXISTING TREES TO REMAIN.
5. EXISTING SIGNS SHALL BE REMOVED PER DWG. NO. CH1-CH5.
6. ANY CONSTRUCTION OR INSTALLATION AFFECTING TRANSIT OPERATIONS OR FACILITIES MUST BE COORDINATED THROUGH METRO TRANSIT INFORMATION CENTER. FOR NOTIFICATION INFORMATION AND GUIDELINES PLEASE CONTACT CONSTRUCTION COORDINATORS AT 206-477-1140. PLEASE PROVIDE FIVE BUSINESS DAYS NOTIFICATION FOR BUS REROUTES AND THREE BUSINESS DAYS NOTIFICATION FOR BUS STOP IMPACTS.
7. FOR POTHOLE INFORMATION, SEE SPECIAL PROVISIONS 1-02.4, 1-07.17.

LEGEND:

- REMOVE EXISTING CEMENT CONC. PAVEMENT
- REMOVE EXISTING ASPHALT CONC. PAVEMENT
- REMOVE CEMENT CONC. SIDEWALK
- CLEARING AND GRUBBING LIMITS. SEE GENERAL NOTE 4
- SAWCUT
- HIGH VISIBILITY SILT FENCE, PER WSDOT STD. PLAN 1-30.16-01
- EXISTING RIGHT-OF-WAY
- INLET PROTECTION, PER COK STD. PLAN CK-E.11
- EXISTING TREES TO BE PROTECTED
- TREE TO BE REMOVED



DWG. NO. SP2

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



FILE	ENGR.	REVIEW	SCALE	DATE
SP2	##	##	1"=20'	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



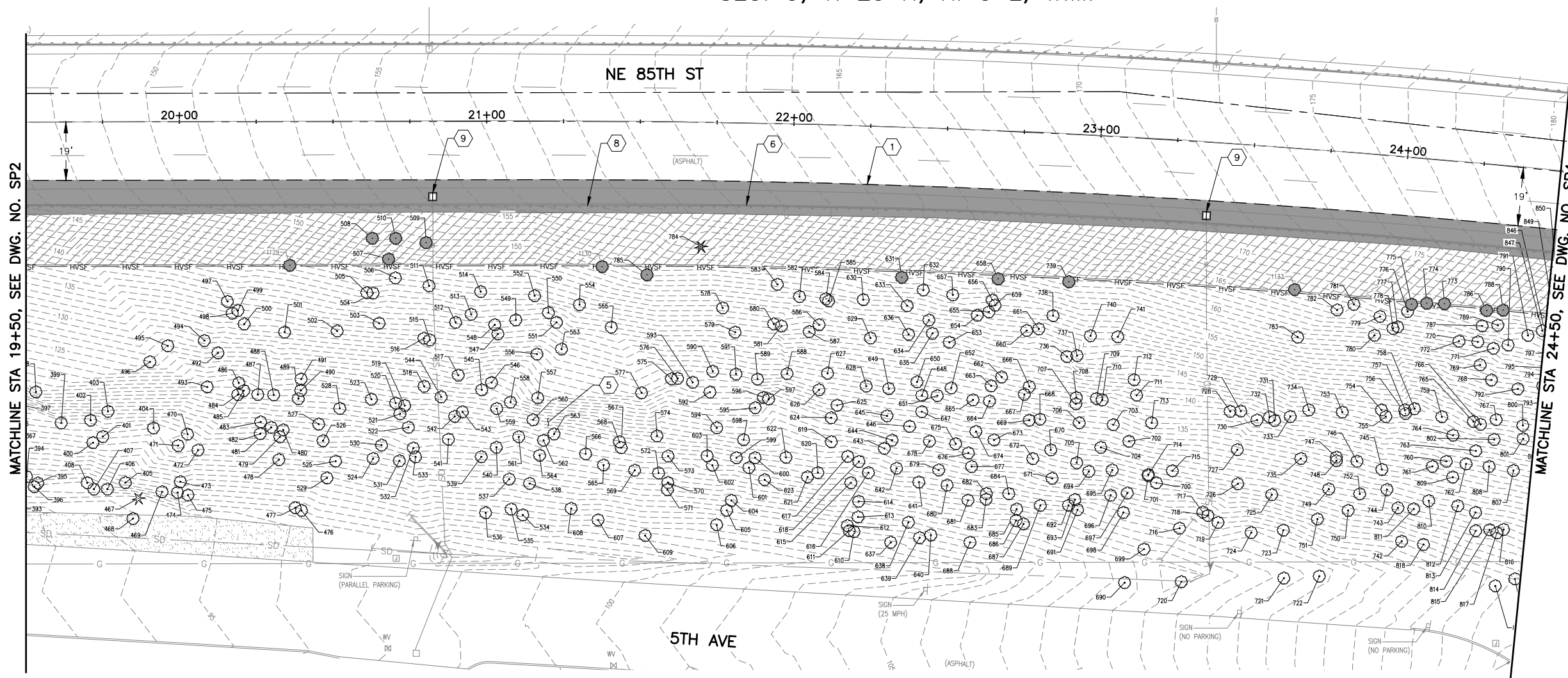
CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800

NE 85TH ST PED-BIKE CONNECTION

SITE PREPARATION
& TESC PLAN

SHEET
5
100

SEC. 5, T. 25 N, R. 5 E, W.M.



CONSTRUCTION NOTES:

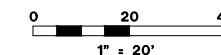
- ① SAWCUT, FULL DEPTH.
- ② REMOVE EXISTING CEMENT CONC. CURB.
- ③ REMOVE CEMENT CONCRETE SIDEWALK.
- ④ REMOVE EXISTING FENCE. INCLUDED IN REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
- ⑤ REMOVE EXISTING CEMENT CONC. CURB AND GUTTER.
- ⑥ REMOVE EXISTING ASPHALT CURB.
- ⑦ PROTECT EXISTING SIGN.
- ⑧ REMOVE GUARDRAIL.
- ⑨ INSTALL STORM DRAIN INLET PROTECTION.
- ⑩ REMOVE EXISTING ROADWAY LIGHT POLE.
- ⑪ REMOVE EXISTING CHAIN LINK FENCE.
- ⑫ PROTECT EXISTING ROADWAY LIGHT POLE.
- ⑬ REMOVE EXISTING BIN WALL. REMOVAL LIMITS SHALL BE ALIGNED AT EXISTING WALL JOINTS AS FEASIBLE.
- ⑭ REMOVE SIGNAL LOOPS.
- ⑮ REMOVE RAISED PAVEMENT MARKINGS.
- ⑯ REMOVE JUNCTION BOX.

GENERAL NOTES:

1. DRAINAGE PIPE, STRUCTURE REMOVALS AND ADJUSTMENTS SHOWN ON DRAINAGE PLANS, DWG. NO. DR1-DR5.
2. TRAFFIC SIGNAL/JUNCTION BOX REMOVALS SHOWN ON SIGNAL PLAN, DWG. NO. SG1.
3. FOR LUMINAIRE AND FOUNDATION REMOVALS, SEE ILLUMINATION PLANS, DWG. NO. IL1-IL5.
4. WITHIN THE CLEARING AND GRUBBING LIMITS, THE CONTRACTOR SHALL REMOVE ALL TREES, VEGETATION, AND OTHER SHRUBBERY. CLEARING AND GRUBBING SHALL BE DONE USING HAND METHODS WITHIN 12'-0" OF EXISTING TREES TO REMAIN.
5. EXISTING SIGNS SHALL BE REMOVED PER DWG. NO. CH1-CH5.
6. ANY CONSTRUCTION OR INSTALLATION AFFECTING TRANSIT OPERATIONS OR FACILITIES MUST BE COORDINATED THROUGH METRO TRANSIT INFORMATION CENTER. FOR NOTIFICATION INFORMATION AND GUIDELINES PLEASE CONTACT CONSTRUCTION COORDINATORS AT 206-477-1140. PLEASE PROVIDE FIVE BUSINESS DAYS NOTIFICATION FOR BUS REROUTES AND THREE BUSINESS DAYS NOTIFICATION FOR BUS STOP IMPACTS.
7. FOR POTHOLE INFORMATION, SEE SPECIAL PROVISIONS 1-02.4, 1-07.17.

LEGEND:

- REMOVE EXISTING CEMENT CONC. PAVEMENT
- REMOVE EXISTING ASPHALT CONC. PAVEMENT
- REMOVE CEMENT CONC. SIDEWALK
- CLEARING AND GRUBBING LIMITS. SEE GENERAL NOTE 4
- SAWCUT
- HIGH VISIBILITY SILT FENCE, PER WSDOT STD. PLAN I-30.16-01
- EXISTING RIGHT-OF-WAY
- INLET PROTECTION, PER COK STD. PLAN CK-E.11
- EXISTING TREES TO BE PROTECTED
- TREE TO BE REMOVED



DWG. NO. SP3

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



FILE	ENGR.	REVIEW	SCALE	DATE
SP3	##	##	1"=20'	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



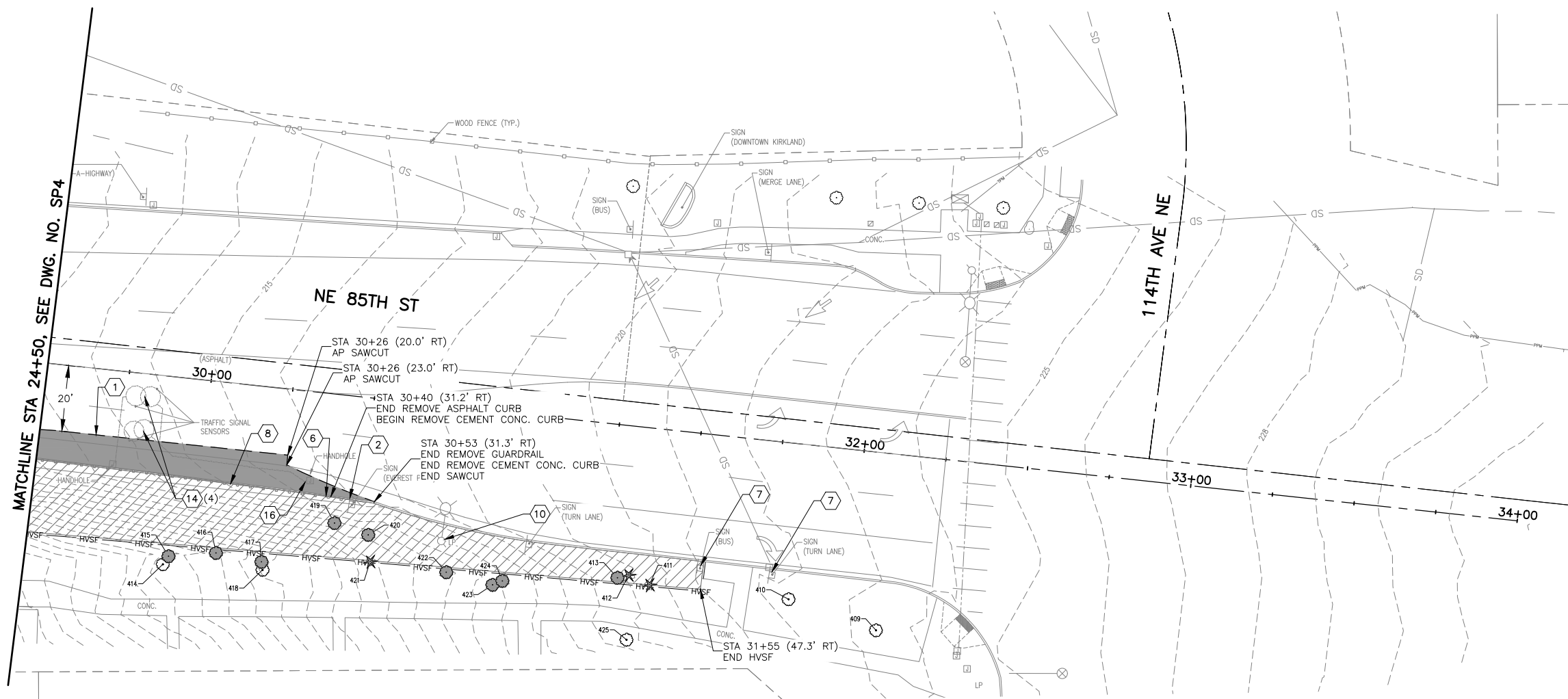
CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800

NE 85TH ST PED-BIKE CONNECTION

SITE PREPARATION
& TESC PLAN

SHEET
6
100

SEC. 5, T. 25 N, R. 5 E, W.M.



CONSTRUCTION NOTES:

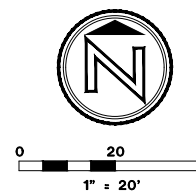
- ① SAWCUT, FULL DEPTH.
- ② REMOVE EXISTING CEMENT CONC. CURB.
- ③ REMOVE CEMENT CONCRETE SIDEWALK.
- ④ REMOVE EXISTING FENCE. INCLUDED IN REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
- ⑤ REMOVE EXISTING CEMENT CONC. CURB AND GUTTER.
- ⑥ REMOVE EXISTING ASPHALT CURB.
- ⑦ PROTECT EXISTING SIGN.
- ⑧ REMOVE GUARDRAIL.
- ⑨ INSTALL STORM DRAIN INLET PROTECTION.
- ⑩ REMOVE EXISTING ROADWAY LIGHT POLE.
- ⑪ REMOVE EXISTING CHAIN LINK FENCE.
- ⑫ PROTECT EXISTING ROADWAY LIGHT POLE.
- ⑬ REMOVE EXISTING BIN WALL. REMOVAL LIMITS SHALL BE ALIGNED AT EXISTING WALL JOINTS AS FEASIBLE.
- ⑭ REMOVE SIGNAL LOOPS.
- ⑮ REMOVE RAISED PAVEMENT MARKINGS.
- ⑯ REMOVE JUNCTION BOX.

GENERAL NOTES:

1. DRAINAGE PIPE, STRUCTURE REMOVALS AND ADJUSTMENTS SHOWN ON DRAINAGE PLANS, DWG. NO. DR1-DR5.
2. TRAFFIC SIGNAL/JUNCTION BOX REMOVALS SHOWN ON SIGNAL PLAN, DWG. NO. SG1.
3. FOR LUMINAIRE AND FOUNDATION REMOVALS, SEE ILLUMINATION PLANS, DWG. NO. IL1-IL5.
4. WITHIN THE CLEARING AND GRUBBING LIMITS, THE CONTRACTOR SHALL REMOVE ALL TREES, VEGETATION, AND OTHER SHRUBBERY. CLEARING AND GRUBBING SHALL BE DONE USING HAND METHODS WITHIN 12'-0" OF EXISTING TREES TO REMAIN.
5. EXISTING SIGNS SHALL BE REMOVED PER DWG. NO. CH1-CH5.
6. ANY CONSTRUCTION OR INSTALLATION AFFECTING TRANSIT OPERATIONS OR FACILITIES MUST BE COORDINATED THROUGH METRO TRANSIT INFORMATION CENTER. FOR NOTIFICATION INFORMATION AND GUIDELINES PLEASE CONTACT CONSTRUCTION COORDINATORS AT 206-477-1140. PLEASE PROVIDE FIVE BUSINESS DAYS NOTIFICATION FOR BUS REROUTES AND THREE BUSINESS DAYS NOTIFICATION FOR BUS STOP IMPACTS.
7. FOR POT HOLE INFORMATION, SEE SPECIAL PROVISIONS 1-02.4, 1-07.17.

LEGEND:

- REMOVE EXISTING CEMENT CONC. PAVEMENT
- REMOVE EXISTING ASPHALT CONC. PAVEMENT
- REMOVE CEMENT CONC. SIDEWALK
- CLEARING AND GRUBBING LIMITS. SEE GENERAL NOTE 4
- SAWCUT
- HIGH VISIBILITY SILT FENCE, PER WSDOT STD. PLAN I-30.16-01
- EXISTING RIGHT-OF-WAY
- INLET PROTECTION, PER COK STD. PLAN CK-E.11
- EXISTING TREES TO BE PROTECTED
- TREE TO BE REMOVED



DWG. NO. SP5

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



FILE	ENGR.	REVIEW	SCALE	DATE
SP5	##	##	1"=20'	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE

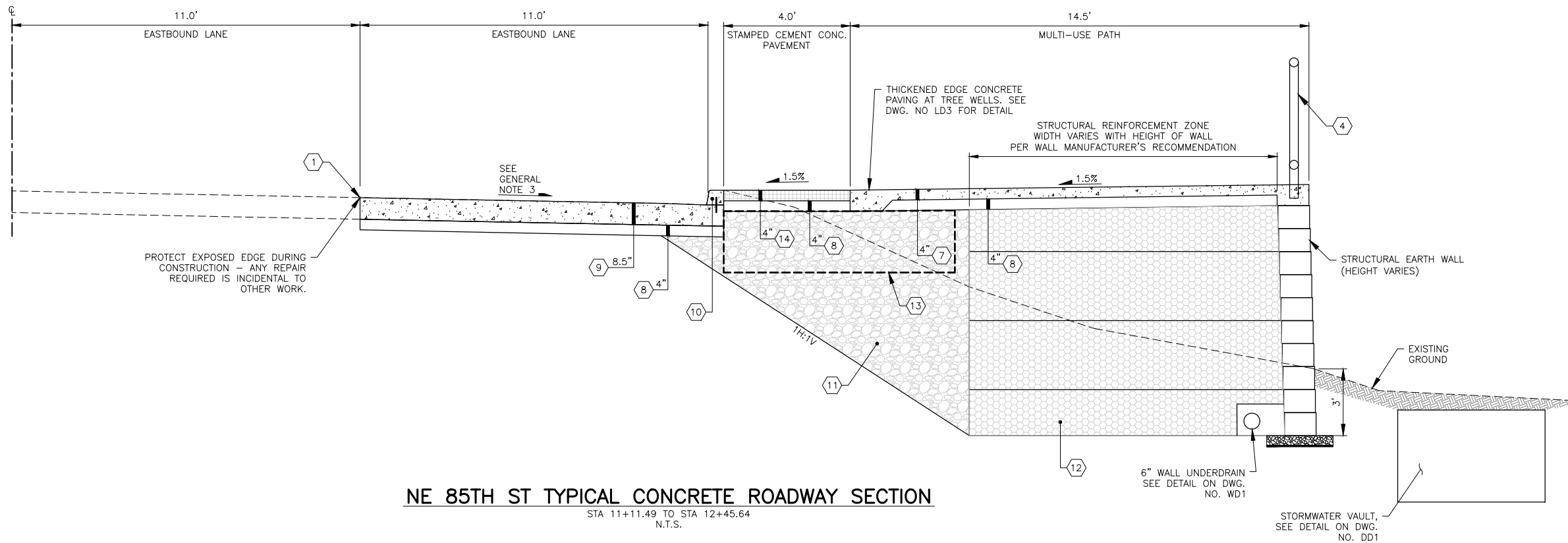


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123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800

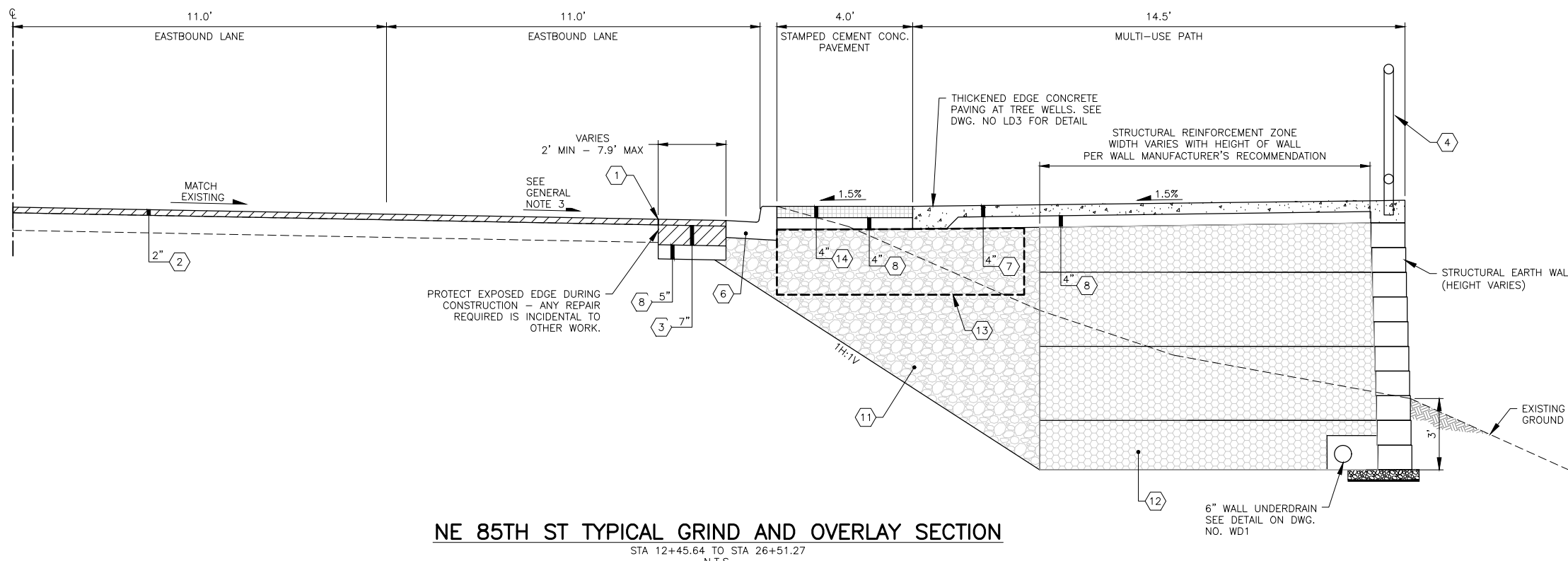
NE 85TH ST PED-BIKE CONNECTION

SITE PREPARATION
& TESC PLAN

SHEET
8
100



NE 85TH ST TYPICAL CONCRETE ROADWAY SECTION
 STA 11+11.49 TO STA 12+45.64
 N.T.S.



NE 85TH ST TYPICAL GRIND AND OVERLAY SECTION
 STA 12+45.64 TO STA 26+51.27
 N.T.S.

CONSTRUCTION NOTES

- 1 SAWCUT
- 2 PLANING BITUMINOUS PAVEMENT AND OVERLAY 2" HMA CL 1/2" PG 58H-22
- 3 HMA CL 1/2" PG 58H-22
- 4 PEDESTRIAN CHAIN LINK SIDEWALK SAFETY RAIL PER COK STD. PLAN CK-R.51A. PANEL HEIGHT 4'
- 5 LANDSCAPING PER DETAILS ON DWG. NO. LP4-LP5.
- 6 CONCRETE CURB AND GUTTER, TYPE A PER COK STD. PLAN CK-R.17 OVER 4" CSTC
- 7 CEMENT CONC. SIDEWALK, PER COK STD. PLAN CK-R.23
- 8 CRUSHED SURFACING TOP COURSE
- 9 CEMENT CONCRETE PAVEMENT
- 10 TYPE 410C CURB, SEE DETAIL ON DWG. NO. RD1
- 11 GRAVEL BORROW
- 12 GRAVEL BORROW FOR STRUCTURAL EARTH WALL
- 13 SEE DETAIL 3 ON DWG. NO. LD3 FOR SOIL CELL INSTALLATION AT TREE PITS
- 14 STAMPED CEMENT CONC. PAVEMENT, SEE DETAIL ON DWG. NO. RD3.

GENERAL NOTES:

- 1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
- 2. SEE WALL PLANS FOR WALL DETAILS AND LOCATIONS.
- 3. SEE DWG. NO. RP1-RP5 FOR FLOWLINE PROFILE.

DWG. NO. RS1

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

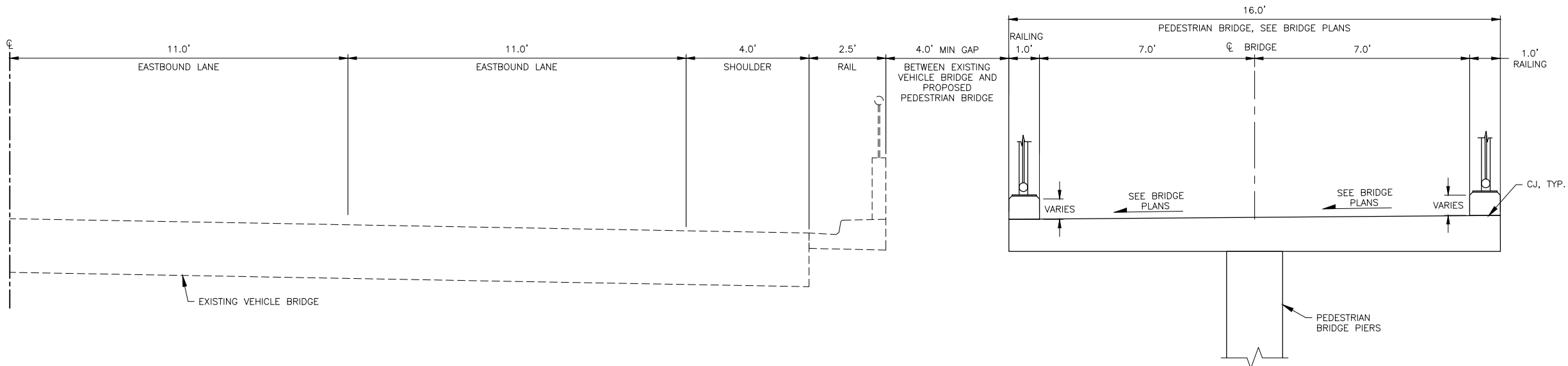


FILE	ENGR.	REVIEW	SCALE	DATE
RS1	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
 PUBLIC WORKS DEPARTMENT
 123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
 NE 85TH ST PED-BIKE CONNECTION
 TYPICAL ROADWAY SECTIONS

SHEET
 9
 100



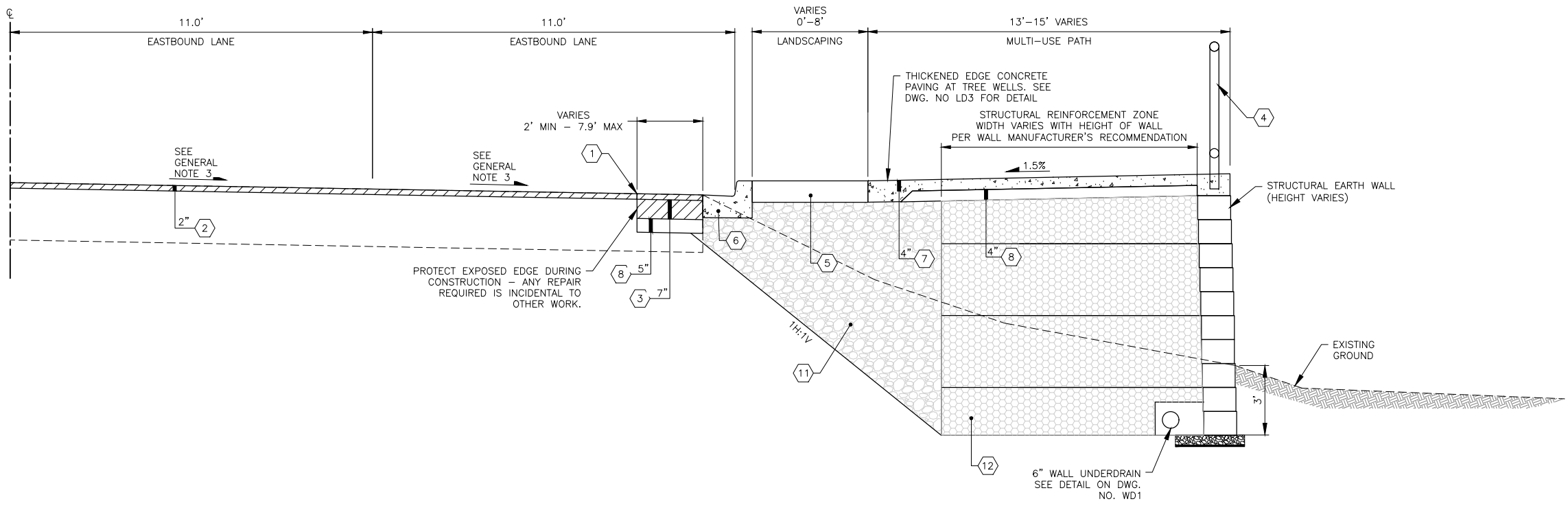
NE 85TH ST TYPICAL BRIDGE SECTION
 STA 26+59.9 TO STA 28+10.7
 N.T.S.

CONSTRUCTION NOTES

- 1 SAWCUT
- 2 PLANING BITUMINOUS PAVEMENT AND OVERLAY 2" HMA CL 1/2" PG 58H-22
- 3 HMA CL 1/2" PG 58H-22
- 4 PEDESTRIAN CHAIN LINK SIDEWALK SAFETY RAIL PER COK STD. PLAN CK-R.51A. PANEL HEIGHT 4'
- 5 LANDSCAPING PER DETAILS ON DWG. NO. LP4-LP5.
- 6 CONCRETE CURB AND GUTTER, TYPE A PER COK STD. PLAN CK-R.17 OVER 4" CSTC
- 7 CEMENT CONC. SIDEWALK, PER COK STD. PLAN CK-R.23
- 8 CRUSHED SURFACING TOP COURSE
- 9 CEMENT CONCRETE PAVEMENT
- 10 TYPE 410C CURB, SEE DETAIL ON DWG. NO. RD1
- 11 GRAVEL BORROW
- 12 GRAVEL BORROW FOR STRUCTURAL EARTH WALL
- 13 SEE DETAIL 3 ON DWG. NO. LD3 FOR SOIL CELL INSTALLATION AT TREE PITS
- 14 STAMPED CEMENT CONC. PAVEMENT, SEE DETAIL ON DWG. NO. RD3.

GENERAL NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. SEE WALL PLANS FOR WALL DETAILS AND LOCATIONS.
3. SEE DWG. NO. RP1-RP5 FOR FLOWLINE PROFILE.



NE 85TH ST TYPICAL EAST END SECTION
 STA 28+19.69 TO STA 30+49.66
 N.T.S.

DWG. NO. RS2



FILE	ENGR.	REVIEW	SCALE	DATE
RS2	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
 PUBLIC WORKS DEPARTMENT
 123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
 NE 85TH ST PED-BIKE CONNECTION
 TYPICAL ROADWAY SECTIONS

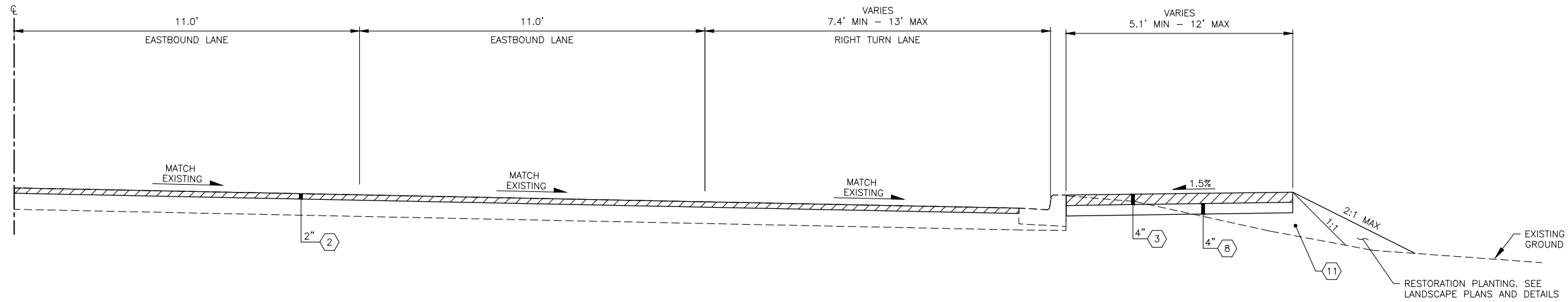
SHEET
 10 / 100

CONSTRUCTION NOTES

- 1 SAWCUT
- 2 PLANING BITUMINOUS PAVEMENT AND OVERLAY 2" HMA CL 1/2" PG 58H-22
- 3 HMA CL 1/2" PG 58H-22
- 4 PEDESTRIAN CHAIN LINK SIDEWALK SAFETY RAIL PER COK STD. PLAN CK-R.51A. PANEL HEIGHT 4'
- 5 LANDSCAPING PER DETAILS ON DWG. NO. LP4-LP5.
- 6 CONCRETE CURB AND GUTTER, TYPE A PER COK STD. PLAN CK-R.17 OVER 4" CSTC
- 7 CEMENT CONC. SIDEWALK, PER COK STD. PLAN CK-R.23
- 8 CRUSHED SURFACING TOP COURSE
- 9 CEMENT CONCRETE PAVEMENT
- 10 TYPE 410C CURB, SEE DETAIL ON DWG. NO. RD1
- 11 GRAVEL BORROW
- 12 GRAVEL BORROW FOR STRUCTURAL EARTH WALL
- 13 SEE DETAIL 3 ON DWG. NO. LD3 FOR SOIL CELL INSTALLATION AT TREE PITS
- 14 STAMPED CEMENT CONC. PAVEMENT, SEE DETAIL ON DWG. NO. RD3.

GENERAL NOTES:

- 1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
- 2. SEE WALL PLANS FOR WALL DETAILS AND LOCATIONS.
- 3. SEE DWG. NO. RP1-RP5 FOR FLOWLINE PROFILE.



NE 85TH ST TYPICAL HMA PATH SECTION

STA 30+49.66 TO STA 31+55.03
N.T.S.

DWG. NO. RS3



FILE	ENGR.	REVIEW	SCALE	DATE
RS3	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800

NE 85TH ST PED-BIKE CONNECTION

TYPICAL ROADWAY SECTIONS

SHEET

11 / 100

SEC. 5, T. 25 N, R. 5 E, W.M.

WATER LINE CONSTRUCTION NOTES:

- 1 INSTALL 1" WATER SERVICE FOR IRRIGATION PER C.O.K. STD. PLAN CK-W.18. SEE SHEETS LP1-LP5 AND ID1-ID2 FOR IRRIGATION PLANS AND CONNECTION DETAILS.

CONSTRUCTION NOTES:

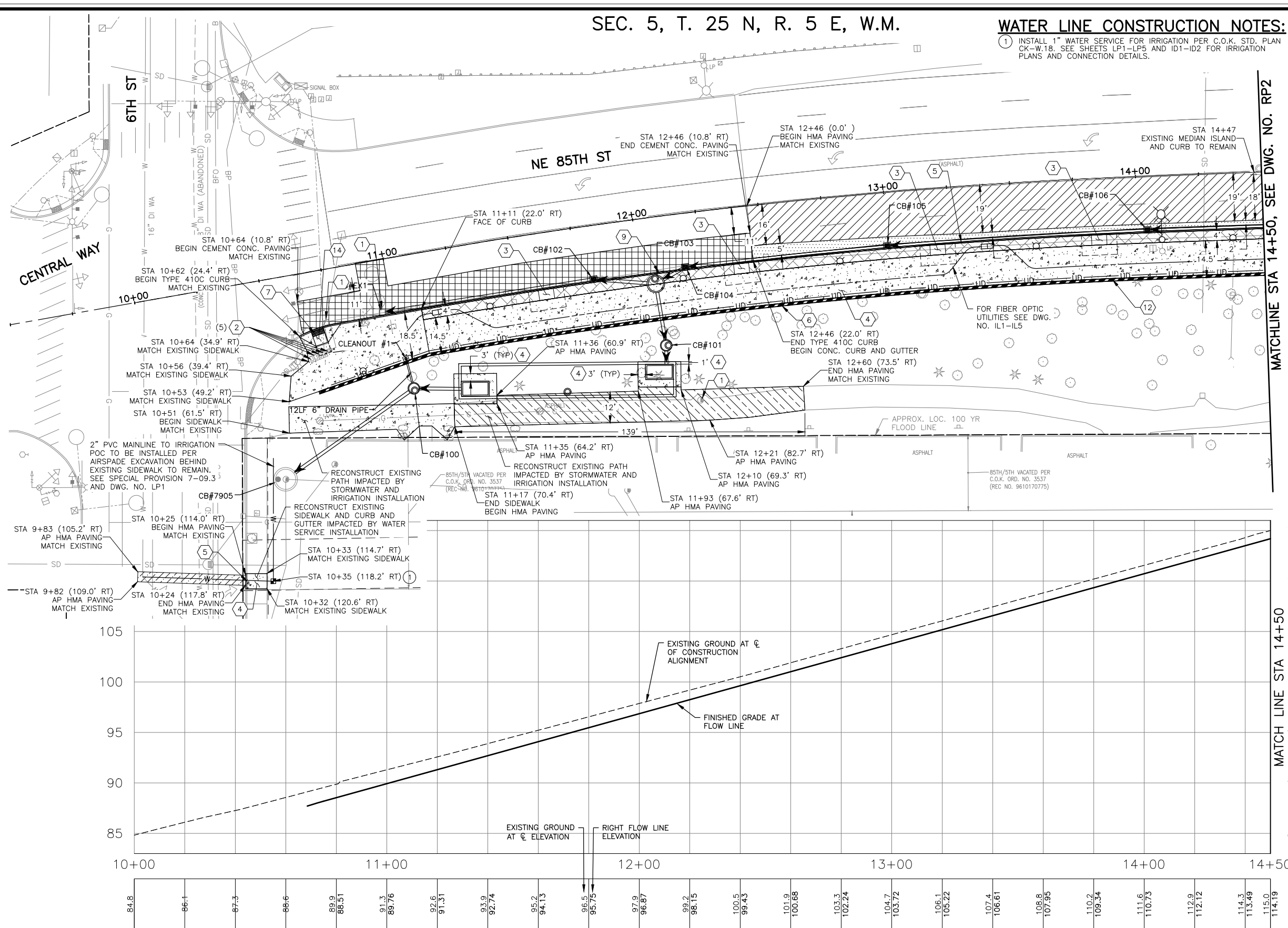
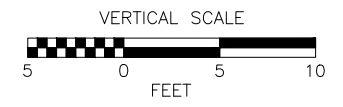
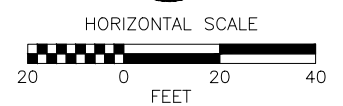
- 1 ADJUST EXISTING CATCH BASIN TO GRADE.
- 2 ADJUST JUNCTION BOX TO FINISHED GRADE.
- 3 LANDSCAPING PLANTER PER DWG. NO. LP1-LP5.
- 4 CEMENT CONC. SIDEWALK PER C.O.K. STD. PLAN CK-R.23.
- 5 CEMENT CONC. CURB AND GUTTER TYPE A PER C.O.K. STD. PLAN CK-R.17.
- 6 CONSTRUCT STRUCTURAL EARTH WALL, SEE WALL PLANS AND DETAILS ON DWG. NO. WP1-WP5.
- 7 INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-05. INCLUDED IN CURB RAMP PAY LIMIT.
- 8 PEDESTRIAN BRIDGE, SEE BRIDGE PLANS DWG. NO. S1-S36.
- 9 TYPE 410C CURB, SEE DETAIL ON DWG. NO. RD1.
- 10 INSTALL BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL PER WSDOT STD. PLAN C-22.45-07 WITH EXTRUDED CURB TYPE 6 PER WSDOT STD. PLAN F-10.42-00. SEE DETAIL ON DWG. NO. RD2.
- 11 INSTALL BEAM GUARDRAIL ANCHOR TYPE 11 PER WSDOT STD. PLAN C-23.70-01 WITH EXTRUDED CURB TYPE 6 PER WSDOT STD. PLAN F-10.42-00. SEE DETAIL ON DWG. NO. RD2.
- 12 PEDESTRIAN CHAIN LINK SIDEWALK SAFETY RAIL PER C.O.K. STD. PLAN CK-R.51A. PANEL HEIGHT 4'.
- 13 EXTRUDED CURB TYPE 6 PER WSDOT STD. PLAN F-10.42-00.
- 14 CONSTRUCT CURB RAMP TYPE PERPENDICULAR A PER DETAIL ON DWG. NO. RD1 AND WSDOT STD. PLAN F-40.15-04.
- 15 CHAIN LINK FENCE TYPE 4 PER WSDOT STD. PLAN L-20.10-03.

GENERAL NOTES:

- 1. ALL EXISTING STORM DRAIN PIPE, EXISTING CATCH BASINS, AND STORM MANHOLES SHOWN IN THESE PLANS ARE TO BE PROTECTED, UNLESS OTHERWISE NOTED ON THE DRAINAGE PLANS.
- 2. SEE DRAINAGE PLANS, PROFILES, AND DETAILS FOR ALL PROPOSED DRAINAGE ELEMENTS.
- 3. FOR WALL PROFILE AND STATIONING INFORMATION SEE DWG. WP1-WP5.
- 4. LOCATION OF JOINTS IN CURB TO MATCH JOINT LOCATIONS IN CONCRETE PAVEMENT.
- 5. JOINTS TO HAVE A DEPTH TO 1" ABOVE BOTTOM OF CURB OR BE FULL DEPTH.
- 6. CONNECT TO CURB AND GUTTER USING 1/2" JOINT SEALER.

LEGEND:

- STRUCTURAL EARTH WALL
- DETECTABLE WARNING SURFACE
- PLANING BITUMINOUS PAVEMENT AND OVERLAY 2" HMA CL 1/2" PG 58H-22
- OVERLAY 2" HMA CL 1/2" PG 58H-22 OVER 7" HMA CL 1/2" PG 58H-22 OVER 5" CSTC
- 11" HMA CL 1/2" PG 58H-22 OVER 5" CSTC
- 6" HMA CL 1/2" PG 58H-22 OVER 4" CSTC
- 4" HMA CL 1/2" PG 58H-22 OVER 4" CSTC
- CEMENT CONC. SIDEWALK PER C.O.K. STD PLAN CK-R.23
- 8.5" CEMENT CONC. PAVEMENT OVER 4" CSTC
- 6" STAMPED CONC. PAVEMENT OVER 4" CSTC, SEE DWG. NO. RD3
- LANDSCAPING, SEE LANDSCAPING PLANS DWG. NO. LP1-LP5



MATCHLINE STA 14+50, SEE DWG. NO. RP2

MATCH LINE STA 14+50

DWG. NO. RP1

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



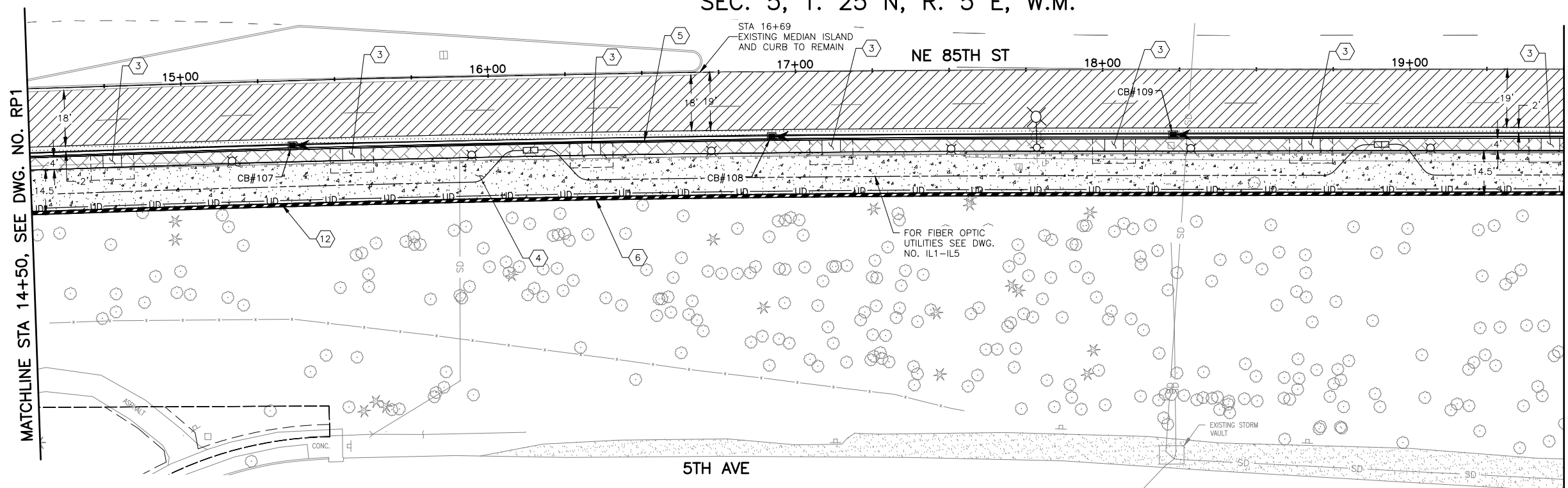
FILE	ENGR.	REVIEW	SCALE	DATE
RP1	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
NE 85TH ST PED-BIKE CONNECTION
ROADWAY PLAN AND PROFILE

SHEET
12 / 100

SEC. 5, T. 25 N, R. 5 E, W.M.

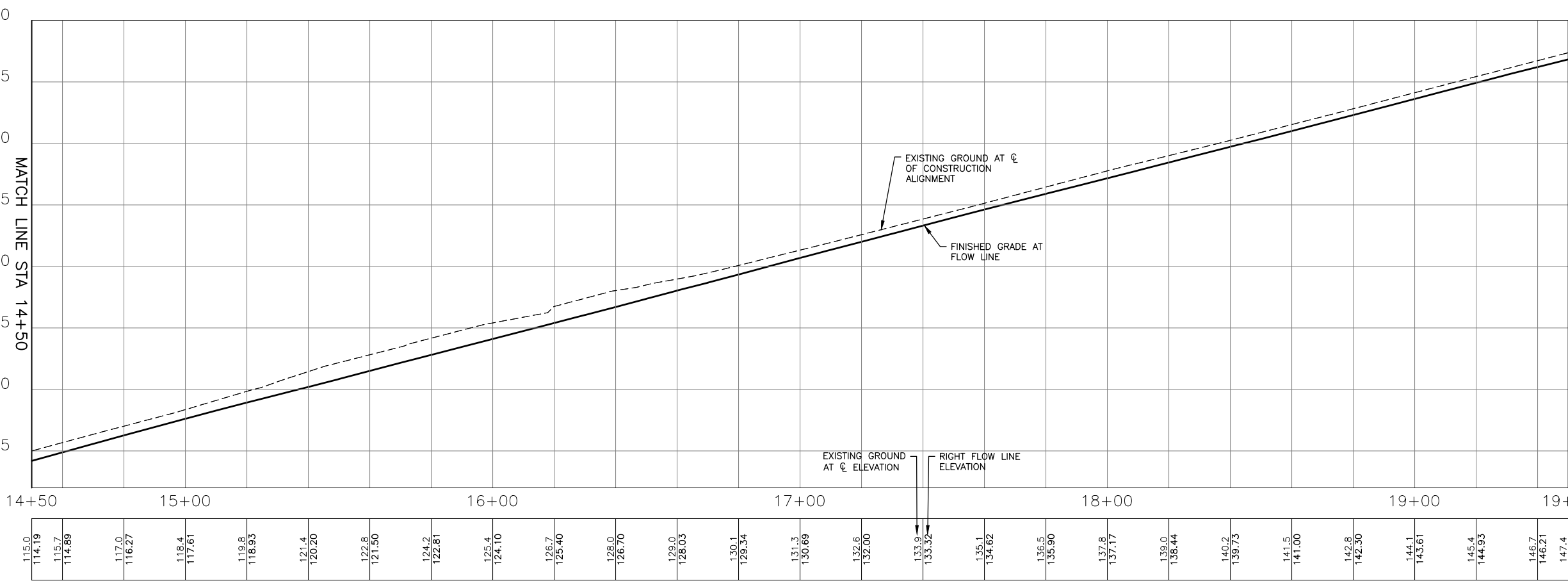


CONSTRUCTION NOTES:

- 1 ADJUST EXISTING CATCH BASIN TO GRADE.
- 2 ADJUST JUNCTION BOX TO FINISHED GRADE.
- 3 LANDSCAPING PLANTER PER DWG. NO. LP1-LP5.
- 4 CEMENT CONC. SIDEWALK PER C.O.K. STD. PLAN CK-R.23.
- 5 CEMENT CONC. CURB AND GUTTER TYPE A PER C.O.K. STD. PLAN CK-R.17.
- 6 CONSTRUCT STRUCTURAL EARTH WALL, SEE WALL PLANS AND DETAILS ON DWG. NO. WP1-WP5.
- 7 INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-05. INCLUDED IN CURB RAMP PAY LIMIT.
- 8 PEDESTRIAN BRIDGE, SEE BRIDGE PLANS DWG. NO. S1-S36.
- 9 TYPE 410C CURB, SEE DETAIL ON DWG. NO. RD1.
- 10 INSTALL BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL PER WSDOT STD. PLAN C-22.45-07 WITH EXTRUDED CURB TYPE 6 PER WSDOT STD. PLAN F-10.42-00. SEE DETAIL ON DWG. NO. RD2.
- 11 INSTALL BEAM GUARDRAIL ANCHOR TYPE 11 PER WSDOT STD. PLAN C-23.70-01 WITH EXTRUDED CURB TYPE 6 PER WSDOT STD. PLAN F-10.42-00. SEE DETAIL ON DWG. NO. RD2.
- 12 PEDESTRIAN CHAIN LINK SIDEWALK SAFETY RAIL PER C.O.K. STD. PLAN CK-R.51A. PANEL HEIGHT 4'.
- 13 EXTRUDED CURB TYPE 6 PER WSDOT STD. PLAN F-10.42-00.
- 14 CONSTRUCT CURB RAMP TYPE PERPENDICULAR A PER DETAIL ON DWG. NO. RD1 AND WSDOT STD. PLAN F-40.15-04.
- 15 CHAIN LINK FENCE TYPE 4 PER WSDOT STD. PLAN L-20.10-03.

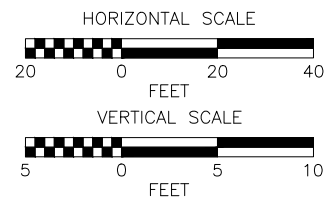
GENERAL NOTES:

1. ALL EXISTING STORM DRAIN PIPE, EXISTING CATCH BASINS, AND STORM MANHOLES SHOWN IN THESE PLANS ARE TO BE PROTECTED, UNLESS OTHERWISE NOTED ON THE DRAINAGE PLANS.
2. SEE DRAINAGE PLANS, PROFILES, AND DETAILS FOR ALL PROPOSED DRAINAGE ELEMENTS.
3. FOR WALL PROFILE AND STATIONING INFORMATION SEE DWG. WP1-WP5.
4. LOCATION OF JOINTS IN CURB TO MATCH JOINT LOCATIONS IN CONCRETE PAVEMENT.
5. JOINTS TO HAVE A DEPTH TO 1" ABOVE BOTTOM OF CURB OR BE FULL DEPTH.
6. CONNECT TO CURB AND GUTTER USING 1/2" JOINT SEALER.



LEGEND:

- STRUCTURAL EARTH WALL
- DETECTABLE WARNING SURFACE
- PLANING BITUMINOUS PAVEMENT AND OVERLAY 2" HMA CL 1/2" PG 58H-22
- OVERLAY 2" HMA CL 1/2" PG 58H-22 OVER 7" HMA CL 1/2" PG 58H-22 OVER 5" CSTC
- 11" HMA CL 1/2" PG 58H-22 OVER 5" CSTC
- 6" HMA CL 1/2" PG 58H-22 OVER 4" CSTC
- 4" HMA CL 1/2" PG 58H-22 OVER 4" CSTC
- CEMENT CONC. SIDEWALK PER C.O.K. STD PLAN CK-R.23
- 8.5" CEMENT CONC. PAVEMENT OVER 4" CSTC
- 6" STAMPED CONC. PAVEMENT OVER 4" CSTC, SEE DWG. NO. RD3
- LANDSCAPING, SEE LANDSCAPING PLANS DWG. NO. LP1-LP5



DWG. NO. RP2



FILE	ENGR.	REVIEW	SCALE	DATE
RP2	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
NE 85TH ST PED-BIKE CONNECTION
ROADWAY PLAN AND PROFILE

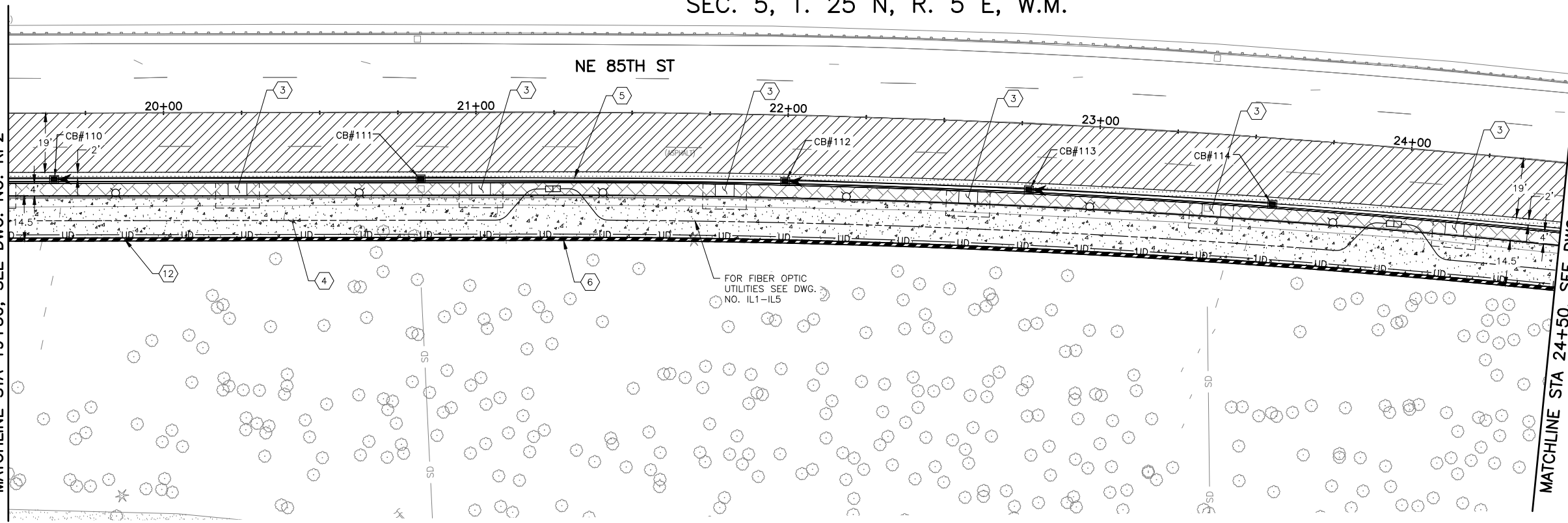
SHEET
13
100

SEC. 5, T. 25 N, R. 5 E, W.M.

NE 85TH ST

MATCHLINE STA 19+50, SEE DWG. NO. RP2

MATCHLINE STA 24+50, SEE DWG. NO. RP4



CONSTRUCTION NOTES:

- 1 ADJUST EXISTING CATCH BASIN TO GRADE.
- 2 ADJUST JUNCTION BOX TO FINISHED GRADE.
- 3 LANDSCAPING PLANTER PER DWG. NO. LP1-LP5.
- 4 CEMENT CONC. SIDEWALK PER C.O.K. STD. PLAN CK-R.23.
- 5 CEMENT CONC. CURB AND GUTTER TYPE A PER C.O.K. STD. PLAN CK-R.17.
- 6 CONSTRUCT STRUCTURAL EARTH WALL, SEE WALL PLANS AND DETAILS ON DWG. NO. WP1-WP5.
- 7 INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-05. INCLUDED IN CURB RAMP PAY LIMIT.
- 8 PEDESTRIAN BRIDGE, SEE BRIDGE PLANS DWG. NO. S1-S36.
- 9 TYPE 410C CURB, SEE DETAIL ON DWG. NO. RD1.
- 10 INSTALL BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL PER WSDOT STD. PLAN C-22.45-07 WITH EXTRUDED CURB TYPE 6 PER WSDOT STD. PLAN F-10.42-00. SEE DETAIL ON DWG. NO. RD2.
- 11 INSTALL BEAM GUARDRAIL ANCHOR TYPE 11 PER WSDOT STD. PLAN C-23.70-01 WITH EXTRUDED CURB TYPE 6 PER WSDOT STD. PLAN F-10.42-00. SEE DETAIL ON DWG. NO. RD2.
- 12 PEDESTRIAN CHAIN LINK SIDEWALK SAFETY RAIL PER C.O.K. STD. PLAN CK-R.51A. PANEL HEIGHT 4'.
- 13 EXTRUDED CURB TYPE 6 PER WSDOT STD. PLAN F-10.42-00.
- 14 CONSTRUCT CURB RAMP TYPE PERPENDICULAR A PER DETAIL ON DWG. NO. RD1 AND WSDOT STD. PLAN F-40.15-04.
- 15 CHAIN LINK FENCE TYPE 4 PER WSDOT STD. PLAN L-20.10-03.

GENERAL NOTES:

1. ALL EXISTING STORM DRAIN PIPE, EXISTING CATCH BASINS, AND STORM MANHOLES SHOWN IN THESE PLANS ARE TO BE PROTECTED, UNLESS OTHERWISE NOTED ON THE DRAINAGE PLANS.
2. SEE DRAINAGE PLANS, PROFILES, AND DETAILS FOR ALL PROPOSED DRAINAGE ELEMENTS.
3. FOR WALL PROFILE AND STATIONING INFORMATION SEE DWG. WP1-WP5.
4. LOCATION OF JOINTS IN CURB TO MATCH JOINT LOCATIONS IN CONCRETE PAVEMENT.
5. JOINTS TO HAVE A DEPTH TO 1" ABOVE BOTTOM OF CURB OR BE FULL DEPTH.
6. CONNECT TO CURB AND GUTTER USING 1/2" JOINT SEALER.

LEGEND:

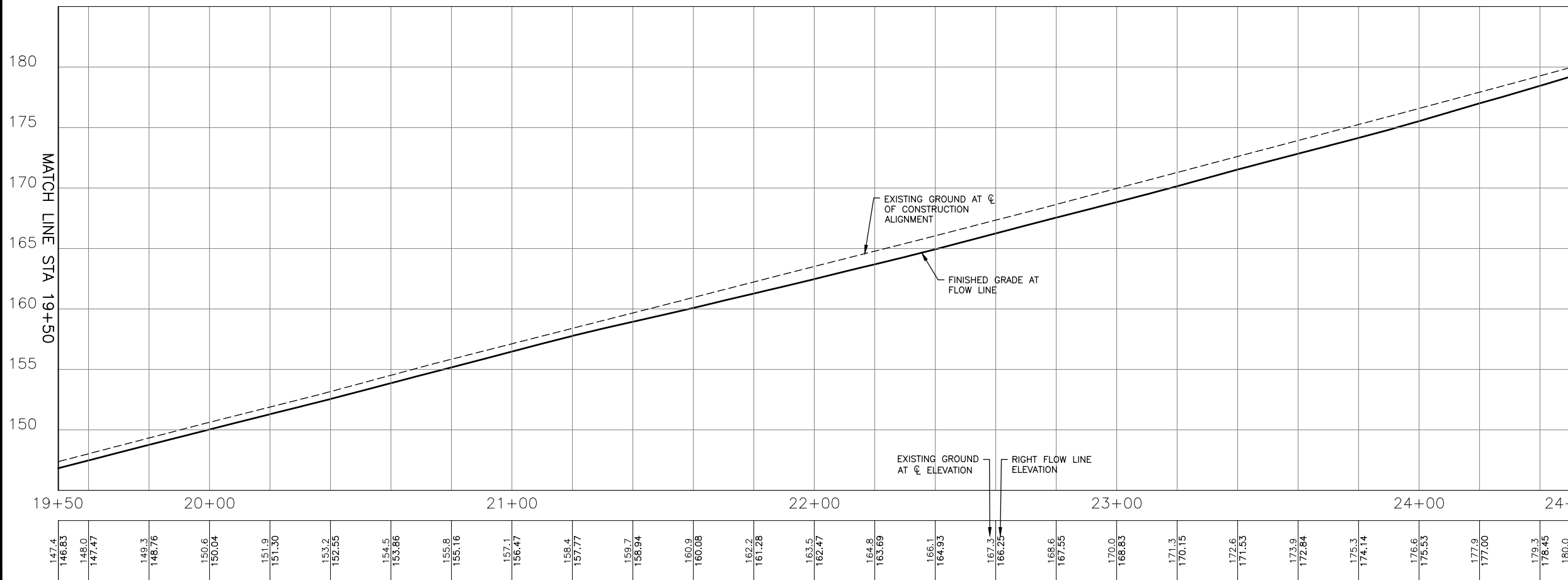
- STRUCTURAL EARTH WALL
- DETECTABLE WARNING SURFACE
- PLANING BITUMINOUS PAVEMENT AND OVERLAY 2" HMA CL 1/2" PG 58H-22
- OVERLAY 2" HMA CL 1/2" PG 58H-22 OVER 7" HMA CL 1/2" PG 58H-22 OVER 5" CSTC
- 11" HMA CL 1/2" PG 58H-22 OVER 5" CSTC
- 6" HMA CL 1/2" PG 58H-22 OVER 4" CSTC
- 4" HMA CL 1/2" PG 58H-22 OVER 4" CSTC
- CEMENT CONC. SIDEWALK PER C.O.K. STD PLAN CK-R.23
- 8.5" CEMENT CONC. PAVEMENT OVER 4" CSTC
- 6" STAMPED CONC. PAVEMENT OVER 4" CSTC, SEE DWG. NO. RD3
- LANDSCAPING, SEE LANDSCAPING PLANS DWG. NO. LP1-LP5



HORIZONTAL SCALE



VERTICAL SCALE



DWG. NO. RP3



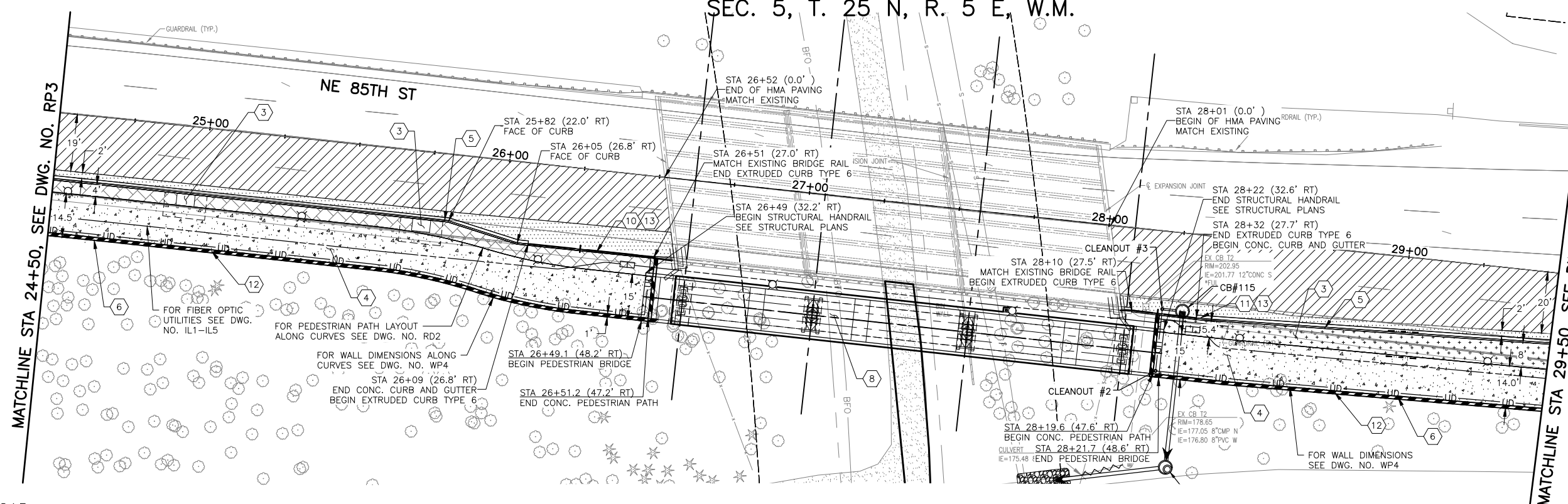
FILE	ENGR.	REVIEW	SCALE	DATE
RP3	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
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NE 85TH ST PED-BIKE CONNECTION
ROADWAY PLAN AND PROFILE

SHEET
14
100

SEC. 5, T. 25 N, R. 5 E, W.M.



CONSTRUCTION NOTES:

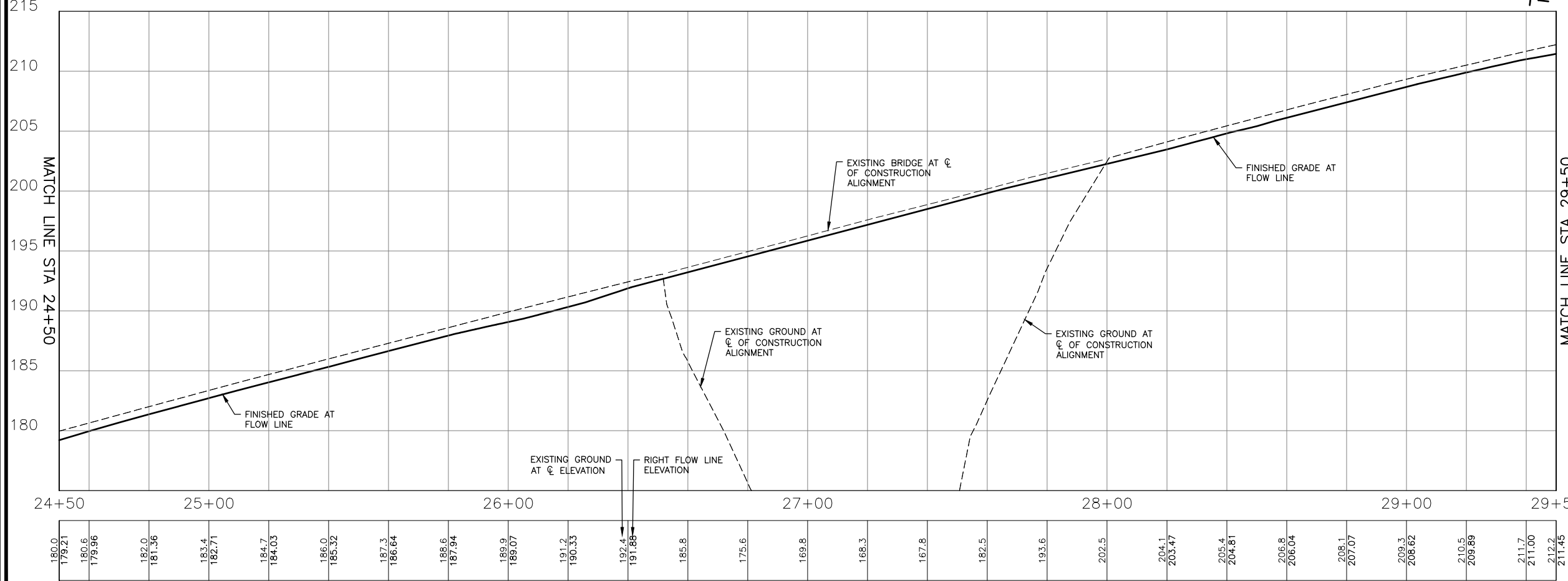
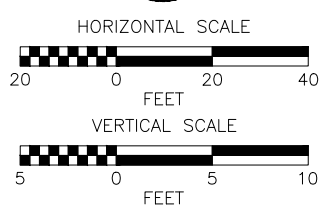
- ADJUST EXISTING CATCH BASIN TO GRADE.
- ADJUST JUNCTION BOX TO FINISHED GRADE.
- LANDSCAPING PLANTER PER DWG. NO. LP1-LP5.
- CEMENT CONC. SIDEWALK PER C.O.K. STD. PLAN CK-R.23.
- CEMENT CONC. CURB AND GUTTER TYPE A PER C.O.K. STD. PLAN CK-R.17.
- CONSTRUCT STRUCTURAL EARTH WALL, SEE WALL PLANS AND DETAILS ON DWG. NO. WP1-WP5.
- INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-05. INCLUDED IN CURB RAMP PAY LIMIT.
- PEDESTRIAN BRIDGE, SEE BRIDGE PLANS DWG. NO. S1-S36.
- TYPE 410C CURB, SEE DETAIL ON DWG. NO. RD1.
- INSTALL BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL PER WSDOT STD. PLAN C-22.45-07 WITH EXTRUDED CURB TYPE 6 PER WSDOT STD. PLAN F-10.42-00. SEE DETAIL ON DWG. NO. RD2.
- INSTALL BEAM GUARDRAIL ANCHOR TYPE 11 PER WSDOT STD. PLAN C-23.70-01 WITH EXTRUDED CURB TYPE 6 PER WSDOT STD. PLAN F-10.42-00. SEE DETAIL ON DWG. NO. RD2.
- PEDESTRIAN CHAIN LINK SIDEWALK SAFETY RAIL PER C.O.K. STD. PLAN CK-R.51A. PANEL HEIGHT 4'.
- EXTRUDED CURB TYPE 6 PER WSDOT STD. PLAN F-10.42-00.
- CONSTRUCT CURB RAMP TYPE PERPENDICULAR A PER DETAIL ON DWG. NO. RD1 AND WSDOT STD. PLAN F-40.15-04.
- CHAIN LINK FENCE TYPE 4 PER WSDOT STD. PLAN L-20.10-03.

GENERAL NOTES:

- ALL EXISTING STORM DRAIN PIPE, EXISTING CATCH BASINS, AND STORM MANHOLES SHOWN IN THESE PLANS ARE TO BE PROTECTED, UNLESS OTHERWISE NOTED ON THE DRAINAGE PLANS.
- SEE DRAINAGE PLANS, PROFILES, AND DETAILS FOR ALL PROPOSED DRAINAGE ELEMENTS.
- FOR WALL PROFILE AND STATIONING INFORMATION SEE DWG. WP1-WP5.
- LOCATION OF JOINTS IN CURB TO MATCH JOINT LOCATIONS IN CONCRETE PAVEMENT.
- JOINTS TO HAVE A DEPTH TO 1" ABOVE BOTTOM OF CURB OR BE FULL DEPTH.
- CONNECT TO CURB AND GUTTER USING 1/2" JOINT SEALER.

LEGEND:

- STRUCTURAL EARTH WALL
- DETECTABLE WARNING SURFACE
- PLANING BITUMINOUS PAVEMENT AND OVERLAY 2" HMA CL 1/2" PG 58H-22
- OVERLAY 2" HMA CL 1/2" PG 58H-22 OVER 7" HMA CL 1/2" PG 58H-22 OVER 5" CSTC
- 11" HMA CL 1/2" PG 58H-22 OVER 5" CSTC
- 6" HMA CL 1/2" PG 58H-22 OVER 4" CSTC
- 4" HMA CL 1/2" PG 58H-22 OVER 4" CSTC
- CEMENT CONC. SIDEWALK PER C.O.K. STD PLAN CK-R.23
- 8.5" CEMENT CONC. PAVEMENT OVER 4" CSTC
- 6" STAMPED CONC. PAVEMENT OVER 4" CSTC, SEE DWG. NO. RD3
- LANDSCAPING, SEE LANDSCAPING PLANS DWG. NO. LP1-LP5



DWG. NO. RP4

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STATE OF WASHINGTON
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54968
01/06/2025

FILE	ENGR.	REVIEW	SCALE	DATE
RP4	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



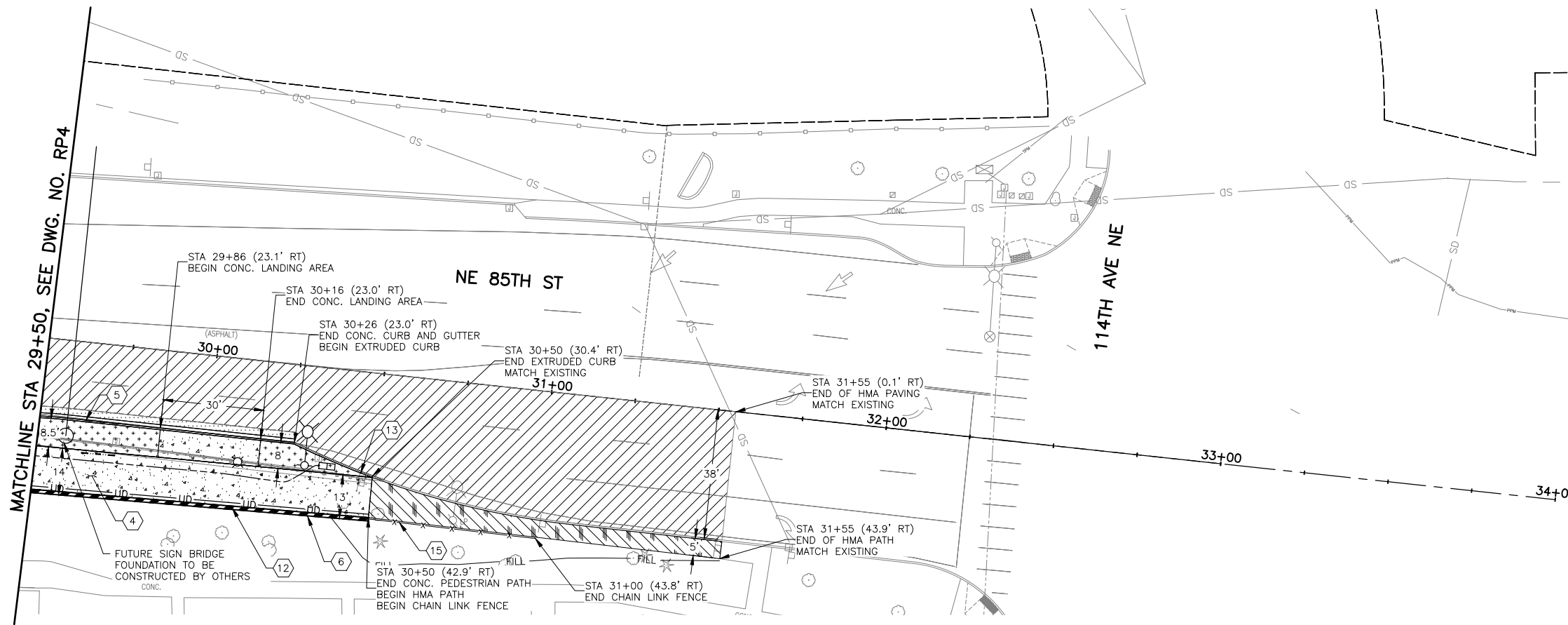
CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800

NE 85TH ST PED-BIKE CONNECTION

ROADWAY PLAN AND PROFILE

SHEET
15
100

SEC. 5, T. 25 N, R. 5 E, W.M.



CONSTRUCTION NOTES:

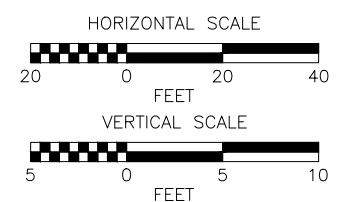
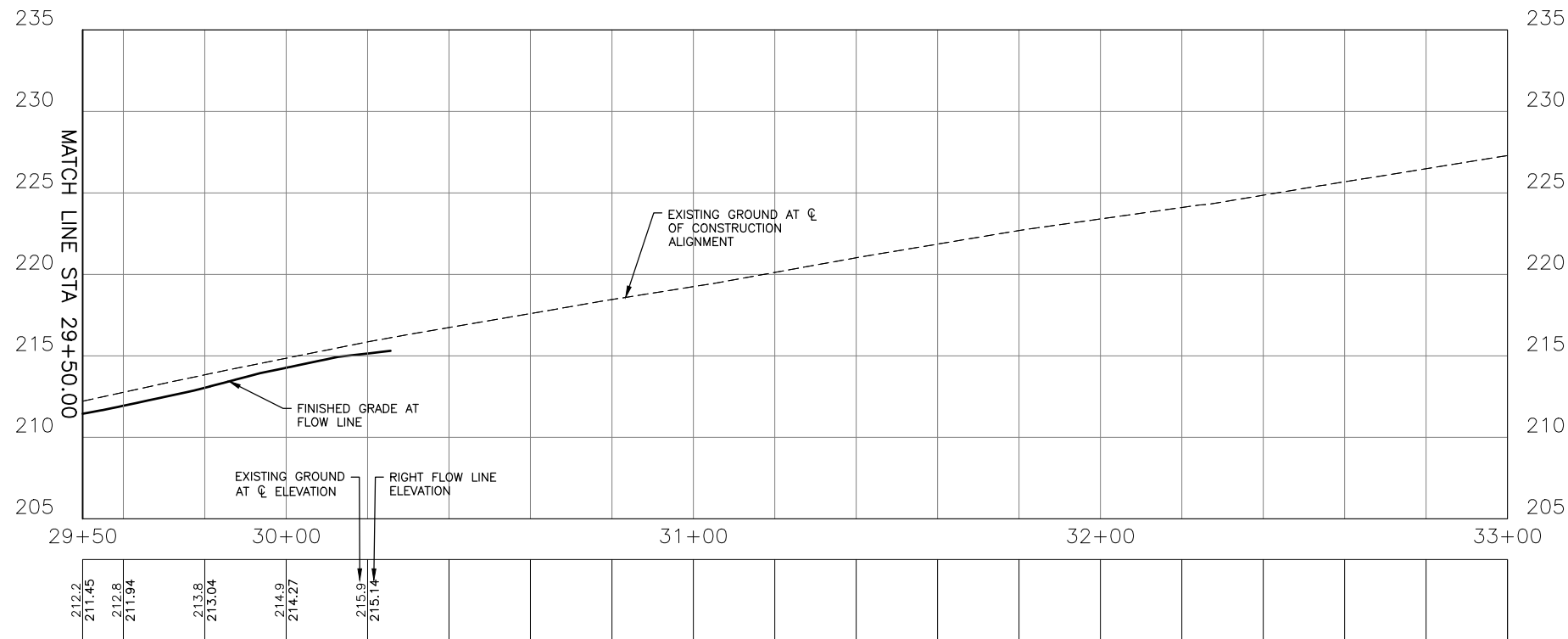
- 1 ADJUST EXISTING CATCH BASIN TO GRADE.
- 2 ADJUST JUNCTION BOX TO FINISHED GRADE.
- 3 LANDSCAPING PLANTER PER DWG. NO. LP1-LP5.
- 4 CEMENT CONC. SIDEWALK PER C.O.K. STD. PLAN CK-R.23.
- 5 CEMENT CONC. CURB AND GUTTER TYPE A PER C.O.K. STD. PLAN CK-R.17.
- 6 CONSTRUCT STRUCTURAL EARTH WALL, SEE WALL PLANS AND DETAILS ON DWG. NO. WP1-WP5.
- 7 INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-05. INCLUDED IN CURB RAMP PAY LIMIT.
- 8 PEDESTRIAN BRIDGE, SEE BRIDGE PLANS DWG. NO. S1-S36.
- 9 TYPE 410C CURB, SEE DETAIL ON DWG. NO. RD1.
- 10 INSTALL BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL PER WSDOT STD. PLAN C-22.45-07 WITH EXTRUDED CURB TYPE 6 PER WSDOT STD. PLAN F-10.42-00. SEE DETAIL ON DWG. NO. RD2.
- 11 INSTALL BEAM GUARDRAIL ANCHOR TYPE 11 PER WSDOT STD. PLAN C-23.70-01 WITH EXTRUDED CURB TYPE 6 PER WSDOT STD. PLAN F-10.42-00. SEE DETAIL ON DWG. NO. RD2.
- 12 PEDESTRIAN CHAIN LINK SIDEWALK SAFETY RAIL PER C.O.K. STD. PLAN CK-R.51A. PANEL HEIGHT 4'.
- 13 EXTRUDED CURB TYPE 6 PER WSDOT STD. PLAN F-10.42-00.
- 14 CONSTRUCT CURB RAMP TYPE PERPENDICULAR A PER DETAIL ON DWG. NO. RD1 AND WSDOT STD. PLAN F-40.15-04.
- 15 CHAIN LINK FENCE TYPE 4 PER WSDOT STD. PLAN L-20.10-03.

GENERAL NOTES:

1. ALL EXISTING STORM DRAIN PIPE, EXISTING CATCH BASINS, AND STORM MANHOLES SHOWN IN THESE PLANS ARE TO BE PROTECTED, UNLESS OTHERWISE NOTED ON THE DRAINAGE PLANS.
2. SEE DRAINAGE PLANS, PROFILES, AND DETAILS FOR ALL PROPOSED DRAINAGE ELEMENTS.
3. FOR WALL PROFILE AND STATIONING INFORMATION SEE DWG. WP1-WP5.
4. LOCATION OF JOINTS IN CURB TO MATCH JOINT LOCATIONS IN CONCRETE PAVEMENT.
5. JOINTS TO HAVE A DEPTH TO 1" ABOVE BOTTOM OF CURB OR BE FULL DEPTH.
6. CONNECT TO CURB AND GUTTER USING 1/2" JOINT SEALER.

LEGEND:

- STRUCTURAL EARTH WALL
- DETECTABLE WARNING SURFACE
- PLANING BITUMINOUS PAVEMENT AND OVERLAY 2" HMA CL 1/2" PG 58H-22
- OVERLAY 2" HMA CL 1/2" PG 58H-22 OVER 7" HMA CL 1/2" PG 58H-22 OVER 5" CSTC
- 11" HMA CL 1/2" PG 58H-22 OVER 5" CSTC
- 6" HMA CL 1/2" PG 58H-22 OVER 4" CSTC
- 4" HMA CL 1/2" PG 58H-22 OVER 4" CSTC
- CEMENT CONC. SIDEWALK PER C.O.K. STD PLAN CK-R.23
- 8.5" CEMENT CONC. PAVEMENT OVER 4" CSTC
- 6" STAMPED CONC. PAVEMENT OVER 4" CSTC, SEE DWG. NO. RD3
- LANDSCAPING, SEE LANDSCAPING PLANS DWG. NO. LP1-LP5



DWG. NO. RP5

PERTEET
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EVERETT, WA 98201
425.252.7700 | 800.615.9900



FILE	ENGR.	REVIEW	SCALE	DATE
RP5	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800

NE 85TH ST PED-BIKE CONNECTION

ROADWAY PLAN AND PROFILE

SHEET

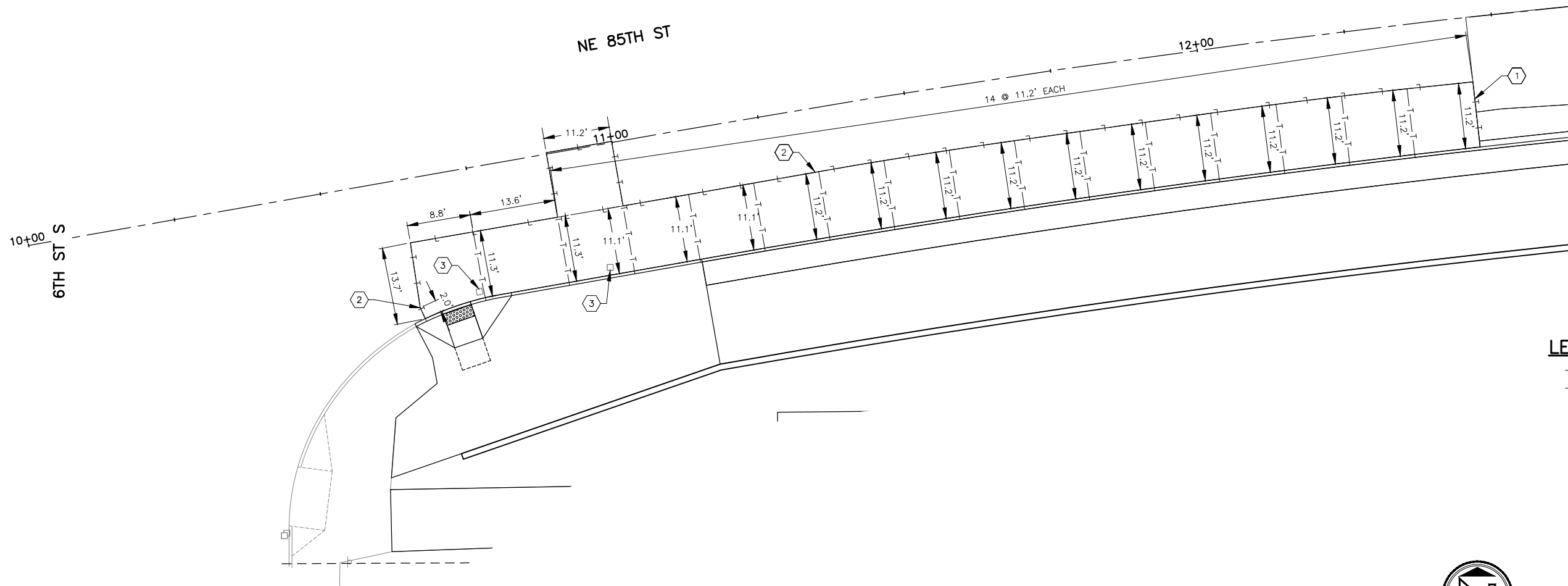
16 / 100

GENERAL NOTES

1. JOINTS SHALL BE CONSTRUCTED PER WSDOT STD. PLAN A-40.10-04 AND A-60.10-03.
2. JOINTING LAYOUT IS APPROXIMATE AND SHALL BE FIELD VERIFIED BY CONTRACTOR. PROPOSED JOINTS SHALL ALIGN WITH EXISTING JOINTS.

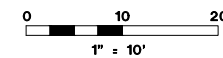
CONSTRUCTION NOTES

- ① TIE INTO HMA PER WSDOT STD. PLAN A-40.10-04 (HMA TRANSITION DETAIL).
- ② TIE INTO EXISTING CONCRETE PAVEMENT PER WSDOT STD. PLAN A-60.10-03.
- ③ JOINTING AT INLET PER WSDOT STD. PLAN A-40.15-00, CONDITION E.



LEGEND

- T—T—T— TRANSVERSE JOINT
- L—L—L— LONGITUDINAL JOINT



DWG. NO. JT1

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FILE	ENGR.	REVIEW	SCALE	DATE
JT1	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



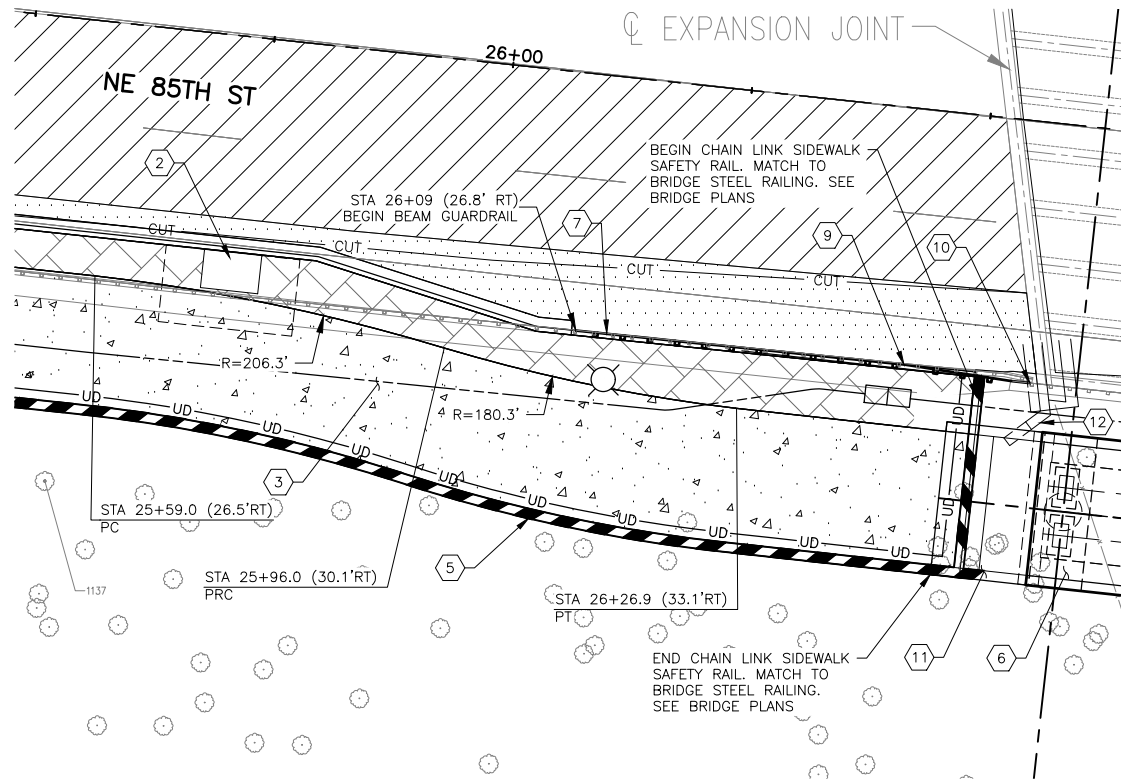
CITY OF KIRKLAND
 PUBLIC WORKS DEPARTMENT
 123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
 NE 85TH ST PED-BIKE CONNECTION
 CEMENT CONC. PAVEMENT
 JOINTING PLAN

SHEET

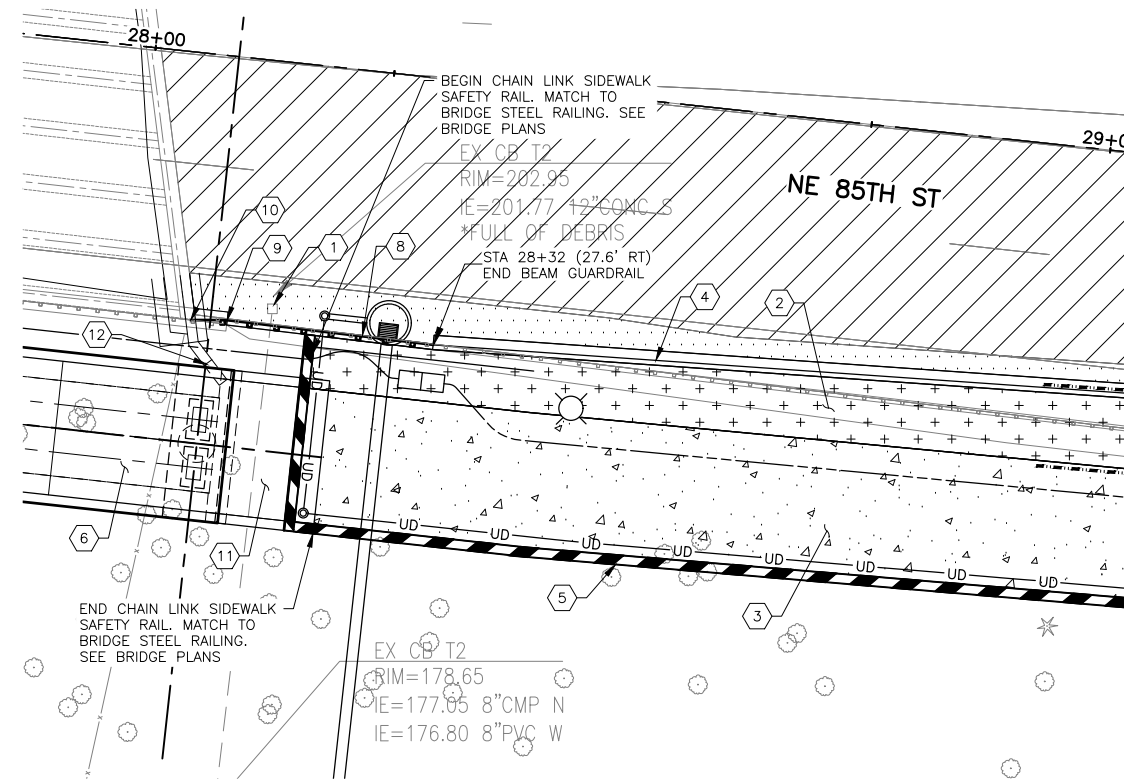
17 / 100

CONSTRUCTION NOTES:

- 1 REMOVE EXISTING CATCH BASIN PER DWG. NO. DR3.
- 2 LANDSCAPING PER DWG. NO. LP1-LP5.
- 3 CEMENT CONC. SIDEWALK PER C.O.K. STD. PLAN CK-R.23.
- 4 CEMENT CONC. CURB AND GUTTER TYPE A PER C.O.K. STD PLAN CK-R.17.
- 5 CONSTRUCT STRUCTURAL EARTH WALL WITH CHAIN LINK SIDEWALK SAFETY RAIL, SEE WALL PLANS AND DETAILS ON DWG. NO. WP1-WP5, WD1.
- 6 PEDESTRIAN BRIDGE, SEE BRIDGE PLANS ON DWG. NO. S1-S36.
- 7 INSTALL BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL PER WSDOT STD. PLAN C-22.45-07 WITH EXTRUDED CURB TYPE 6 PER WSDOT STD. PLAN F-10.42-00.
- 8 INSTALL BEAM GUARDRAIL ANCHOR TYPE 11 PER WSDOT STD. PLAN C-23.70-01 WITH EXTRUDED CURB TYPE 6 PER WSDOT STD. PLAN F-10.42-00.
- 9 INSTALL BEAM GUARDRAIL TYPE 31 PER WSDOT STD. PLAN C-20.10-09 WITH EXTRUDED CURB TYPE 6 PER WSDOT STD. PLAN F-10.42-00.
- 10 GUARDRAIL CONNECTION TO BRIDGE PER WSDOT STD. PLAN C-24.10-05, D CONNECTION.
- 11 BRIDGE JUMP SLAB, SEE BRIDGE PLANS ON DWG. NO. S23-S25.
- 12 REMOVE EXISTING WING WALLS PER BRIDGE PLANS ON DWG. NO. S1-S36.



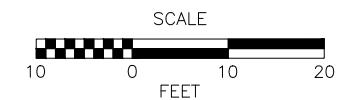
WEST SIDE OF BRIDGE



EAST SIDE OF BRIDGE

LEGEND:

- STRUCTURAL EARTH WALL
- PLANING BITUMINOUS PAVEMENT AND OVERLAY 2" HMA CL 1/2" PG 58H-22
- OVERLAY 2" HMA CL 1/2" PG 58H-22 OVER 7" HMA CL 1/2" PG 58H-22 OVER 5" CSTC
- CEMENT CONC. SIDEWALK PER C.O.K. STD PLAN CK-R.23
- EXPOSED AGGREGATE CONC. PAVEMENT OVER 4" CSTC. SEE LANDSCAPE PLANS
- LANDSCAPING PLANTER SEE LANDSCAPING PLANS DWG. NO. LP4 & LP5



DWG. NO. RD2

PERTEET
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EVERETT, WA 98201
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FILE	ENGR.	REVIEW	SCALE	DATE
RD2	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE

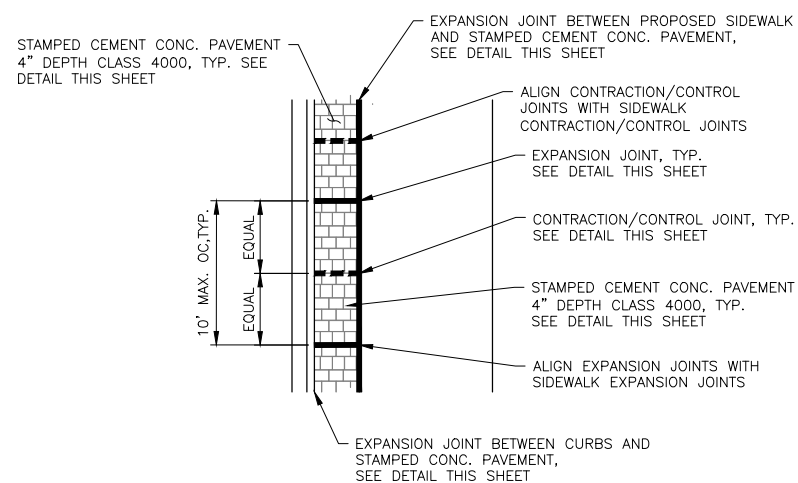


CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800

NE 85TH ST PED-BIKE CONNECTION

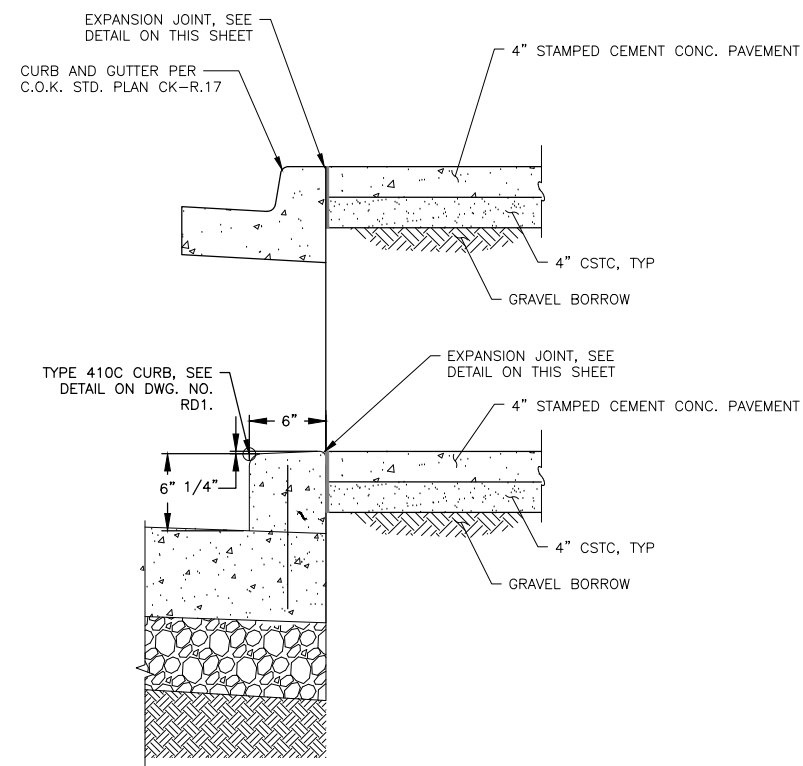
ROADWAY DETAILS

SHEET
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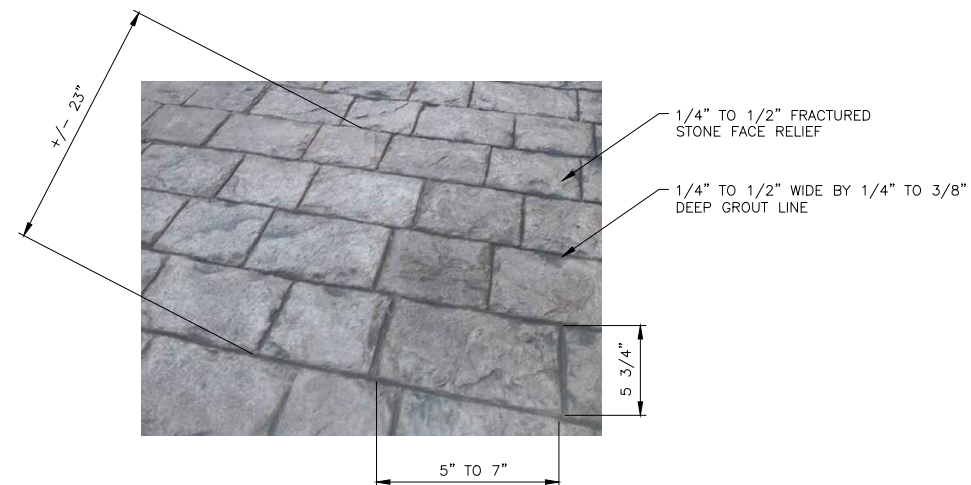
TYPICAL STAMPED CEMENT CONC. JOINT DETAIL

N.T.S.



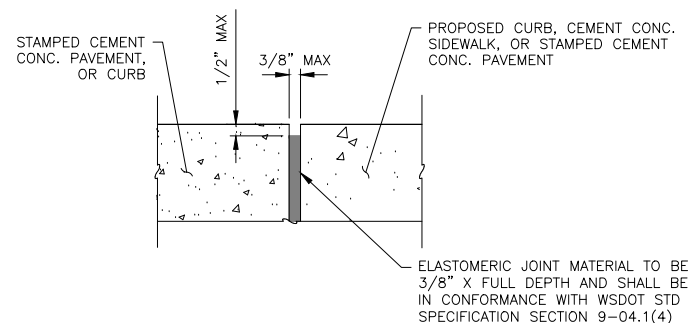
STAMPED CEMENT CONC. PAVEMENT DETAIL

N.T.S.



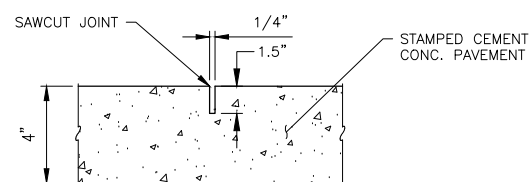
TYPICAL STAMPED CEMENT CONC. PATTERN DETAIL

N.T.S.



STAMPED CONCRETE EXPANSION JOINT DETAIL

N.T.S.



STAMPED CEMENT CONC. CONTRACTION AND CONTROL JOINT DETAIL

N.T.S.

STAMPED CONCRETE NOTES:

1. PROVIDE CONTRACTION/CONTROL JOINTS WHERE SHOWN ON LAYOUT DETAIL, SEE DETAIL ON THIS SHEET.
2. CONTRACTION/CONTROL JOINTS SHALL BE FORMED IN CONFORMANCE WITH WSDOT STD. SPECIFICATION SECTION 5-05.3(B)A.
3. SEE STAMPED CEMENT CONCRETE PAVEMENT SPECIAL PROVISION 5-05.

DWG. NO. RD3



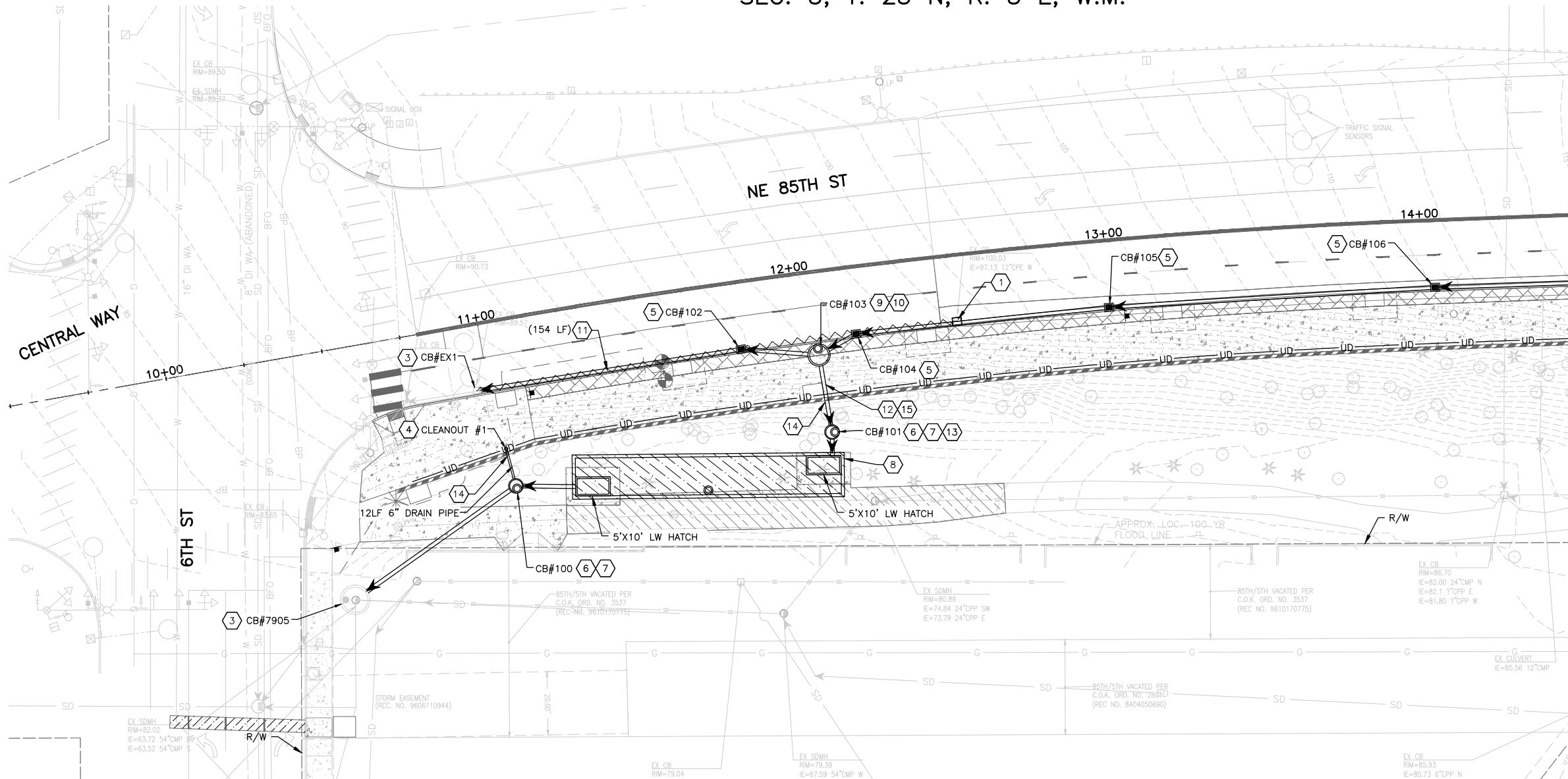
FILE	ENGR.	REVIEW	SCALE	DATE
RD3	JJD	JAT	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
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NE 85TH ST PED-BIKE CONNECTION
ROADWAY DETAILS

SHEET
20
100

SEC. 5, T. 25 N, R. 5 E, W.M.



MATCHLINE STA 14+50, SEE DWG. NO. DR2

CONSTRUCTION NOTES:

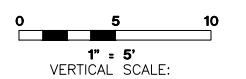
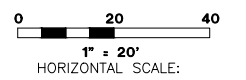
- 1 REMOVE EXISTING CATCH BASIN.
- 2 FOR CORRUGATED METAL PIPE (CMP) - CONTRACTOR SHALL INSPECT AND CCTV EXISTING PIPE TO DETERMINE PIPE CONDITION. FOR CMP IN GOOD CONDITION, PIPE SHALL BE FILLED WITH CDF AND PIPE ENDS SHALL BE PLUGGED WITH COMMERCIAL CEMENT CONCRETE. FOR ALL EXISTING PIPE IN BAD CONDITION, DISCUSS WITH THE CITY STORMWATER DIVISION FOR FURTHER ACTION.
FOR CONCRETE PIPE AND DUCTILE IRON PIPE - CONTRACTOR SHALL FILL PIPE WITH CDF AND BRICK, AND PIPE ENDS SHALL BE PLUGGED WITH CEMENT-BASE GROUT.
- 3 CONNECT NEW PIPE TO EXISTING CATCH BASIN.
- 4 INSTALL 6" CLEANOUT PER DETAIL ON DWG. NO. DD1.
- 5 INSTALL CATCH BASIN TYPE 1 PER COK STD PLAN CK-D.07.
- 6 INSTALL CATCH BASIN TYPE 2-48" PER COK STD PLAN CK-D.09.
- 7 INSTALL SOLID LOCKING LID WITH COK STORM DRAIN LOGO PER COK STD PLAN CK-D.18.
- 8 INSTALL DETENTION VAULT FACILITY PER DETAIL ON DWG. NO. DD1.
- 9 INSTALL FLOW SPLITTER PER DETAIL ON DWG. NO. DD2.
- 10 INSTALL SOLID LOCKING LID WITH ANTI-SLIP COATING AND COK STORM DRAIN LOGO PER COK STD PLAN CK-D.18A, SUPPLIED BY EJ GROUP INC, OR APPROVED EQUAL.
- 11 REMOVE EXISTING PIPE.
- 12 INSTALL CL. 50 DUCTILE IRON STORM SEWER PIPE 12 IN. DIAM. WITH RESTRAINED MECHANICAL JOINTS.
- 13 INSIDE OF CATCH BASIN TO BE EPOXY COATED FOR SCOUR PROTECTION.
- 14 INSTALL PIPE THROUGH WALL PER DETAIL ON DWG. NO. WD1.
- 15 INSTALL PIPE ANCHOR AT EVERY PIPE JOINT PER DETAIL ON DWG. NO. DD1.
- 16 INSTALL MANHOLE TYPE 3-48" PER WSDOT STD PLAN B-15.60.
- 17 INSTALL SOLID LOCKING LID WITH COK STORM DRAIN LOGO PER COK STD PLAN CK-D.18A.

GENERAL NOTES:

1. THE OFFSETS OF ALL CATCH BASINS ARE MEASURED TO THE CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
2. ALL EXISTING STORM DRAIN PIPE, EXISTING CATCH BASINS AND STORM MANHOLES SHOWN IN THESE PLANS ARE TO BE PROTECTED, UNLESS OTHERWISE NOTED.
3. ALL DRAINAGE STRUCTURES ARE PER COK STANDARD PLANS UNLESS NOTED OTHERWISE.
4. WALL UNDERDRAIN INVERTS AND SLOPES ARE APPROXIMATE AND PROFILES ARE NOT SHOWN ON THE PLANS. CONTRACTOR TO ADJUST WALL UNDERDRAIN SLOPES AND INVERTS AS NECESSARY TO AVOID UTILITY CONFLICTS. MINIMUM PIPE SLOPE IS 0.5%. CLEANOUTS SHALL BE SPACED EVERY 100 FEET ALONG THE LENGTH OF THE WALL. CLEANOUTS SHALL BE INSTALLED PER COK STD PLAN CK-D.05B.
5. ALL PIPE AND APPURTENANCES SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION IN ACCORDANCE WITH WSDOT SPECIFICATIONS. THIS SHALL INCLUDE LEVELING AND COMPACTING THE TRENCH BOTTOM, THE TOP OF THE FOUNDATION MATERIAL, AND ANY REQUIRED PIPE BEDDING, TO A UNIFORM GRADE SO THAT THE ENTIRE PIPE IS SUPPORTED BY A UNIFORMLY DENSE UNYIELDING BASE.
6. ALL STORM SEWER PIPE SHALL BE SCHEDULE A SMOOTH INTERIOR WALL HIGH-PERFORMANCE POLYPROPYLENE STORM SEWER PIPE UNLESS OTHERWISE NOTED.
7. ALL DRAINAGE STRUCTURES, SUCH AS CATCH BASINS, NOT LOCATED WITHIN A TRAVELED ROADWAY OR SIDEWALK, SHALL HAVE SOLID LOCKING LIDS. ALL DRAINAGE STRUCTURES ASSOCIATED WITH A PERMANENT DETENTION FACILITY SHALL HAVE SOLID LOCKING LIDS.
8. ALL PROPOSED CATCH BASINS SHALL HAVE VANED GRATES PER COK STD PLAN CK-D.15 AND CK-D.16 UNLESS NOTED OTHERWISE.

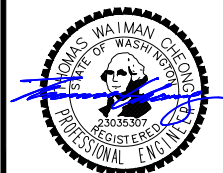
LEGEND:

- EXISTING STORM DRAIN PIPE
- PROPOSED STORM DRAIN PIPE
- REMOVE PIPE
- WALL UNDERDRAIN
- CATCH BASIN, TYPE 1
- CATCH BASIN, TYPE 2
- CONCRETE DETENTION VAULT



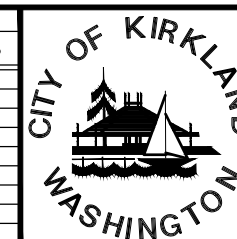
DWG. NO. DR1

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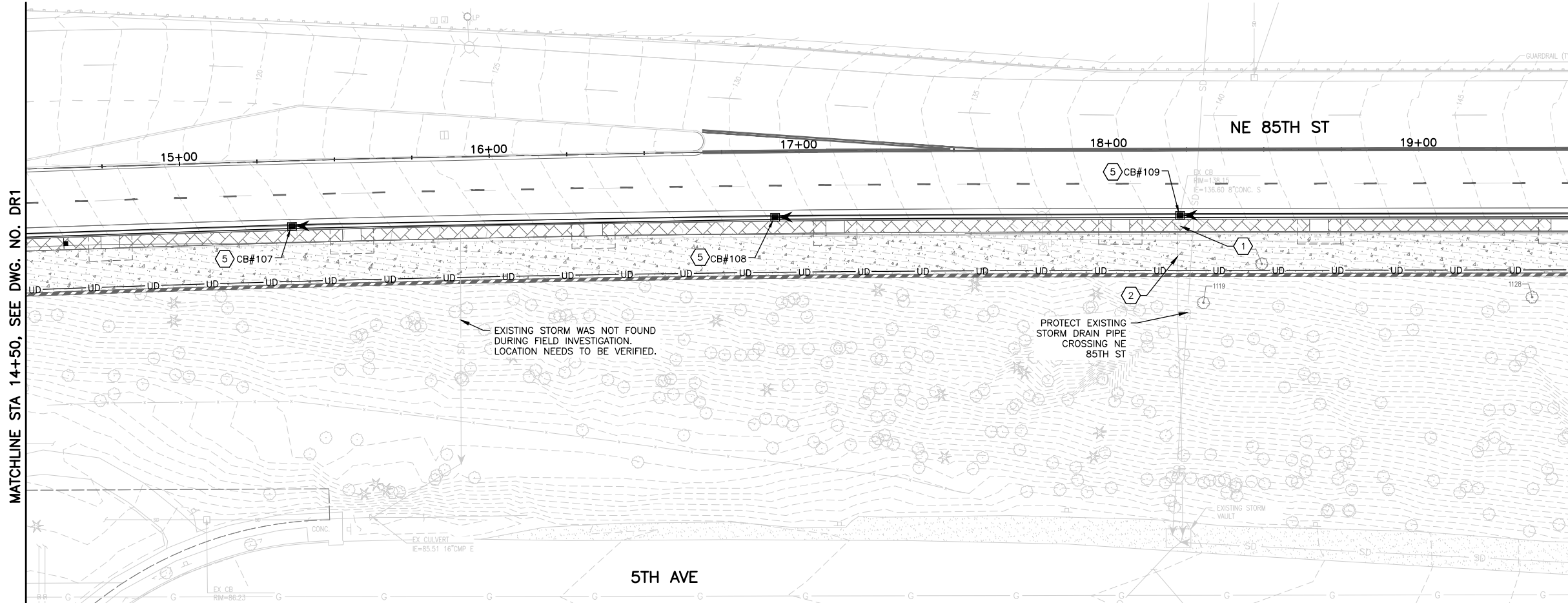
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CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
NE 85TH ST PED-BIKE CONNECTION
DRAINAGE PLAN

SHEET
21
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SEC. 5, T. 25 N, R. 5 E, W.M.



CONSTRUCTION NOTES:

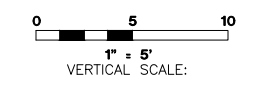
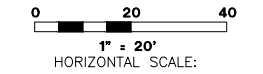
- 1 REMOVE EXISTING CATCH BASIN.
- 2 FOR CORRUGATED METAL PIPE (CMP) - CONTRACTOR SHALL INSPECT AND CCTV EXISTING PIPE TO DETERMINE PIPE CONDITION. FOR CMP IN GOOD CONDITION, PIPE SHALL BE FILLED WITH CDF AND PIPE ENDS SHALL BE PLUGGED WITH COMMERCIAL CEMENT CONCRETE. FOR ALL EXISTING PIPE IN BAD CONDITION, DISCUSS WITH THE CITY STORMWATER DIVISION FOR FURTHER ACTION.
FOR CONCRETE PIPE AND DUCTILE IRON PIPE - CONTRACTOR SHALL FILL PIPE WITH CDF AND BRICK, AND PIPE ENDS SHALL BE PLUGGED WITH CEMENT-BASE GROUT.
- 3 CONNECT NEW PIPE TO EXISTING CATCH BASIN.
- 4 INSTALL 6" CLEANOUT PER DETAIL ON DWG. NO. DD1.
- 5 INSTALL CATCH BASIN TYPE 1 PER COK STD PLAN CK-D.07.
- 6 INSTALL CATCH BASIN TYPE 2-48" PER COK STD PLAN CK-D.09.
- 7 INSTALL SOLID LOCKING LID WITH COK STORM DRAIN LOGO PER COK STD PLAN CK-D.18.
- 8 INSTALL DETENTION VAULT FACILITY PER DETAIL ON DWG. NO. DD1.
- 9 INSTALL FLOW SPLITTER PER DETAIL ON DWG. NO. DD2.
- 10 INSTALL SOLID LOCKING LID WITH ANTI-SLIP COATING AND COK STORM DRAIN LOGO PER COK STD PLAN CK-D.18A, SUPPLIED BY EJ GROUP INC, OR APPROVED EQUAL.
- 11 REMOVE EXISTING PIPE.
- 12 INSTALL CL. 50 DUCTILE IRON STORM SEWER PIPE 12 IN. DIAM. WITH RESTRAINED MECHANICAL JOINTS.
- 13 INSIDE OF CATCH BASIN TO BE EPOXY COATED FOR SCOUR PROTECTION.
- 14 INSTALL PIPE THROUGH WALL PER DETAIL ON DWG. NO. WD1.
- 15 INSTALL PIPE ANCHOR AT EVERY PIPE JOINT PER DETAIL ON DWG. NO. DD1.
- 16 INSTALL MANHOLE TYPE 3-48" PER WSDOT STD PLAN B-15.60.
- 17 INSTALL SOLID LOCKING LID WITH COK STORM DRAIN LOGO PER COK STD PLAN CK-D.18A.

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LEGEND:

- SD ——— EXISTING STORM DRAIN PIPE
- ←———— PROPOSED STORM DRAIN PIPE
- ~~~~~ REMOVE PIPE
- UD—UD— WALL UNDERDRAIN
- CATCH BASIN, TYPE 1
- ⊙ ⊙ CATCH BASIN, TYPE 2
- ▨ CONCRETE DETENTION VAULT



DWG. NO. DR2

MATCHLINE STA 14+50, SEE DWG. NO. DR1

MATCHLINE STA 19+50, SEE DWG. NO. DR3

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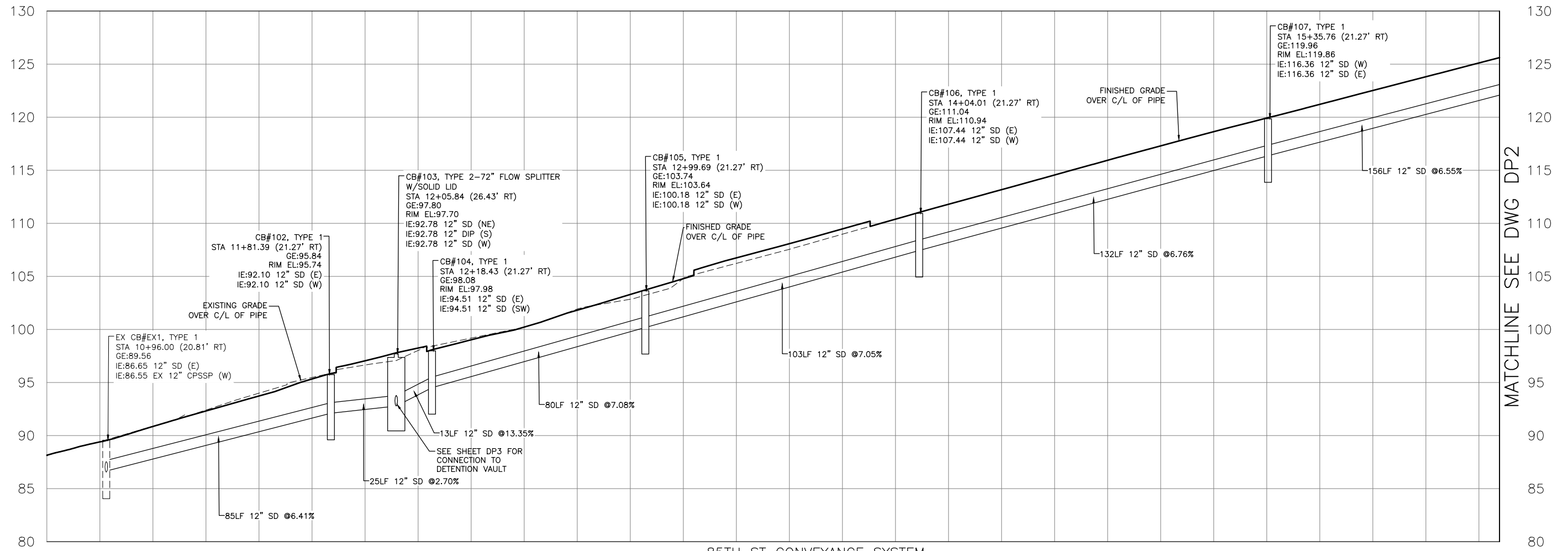
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DRAINAGE PLAN

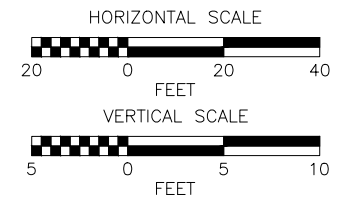
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SEC. 5, T. 25 N, R. 5 E, W.M.



85TH ST CONVEYANCE SYSTEM

MATCHLINE SEE DWG DP2



DWG. NO. DP1



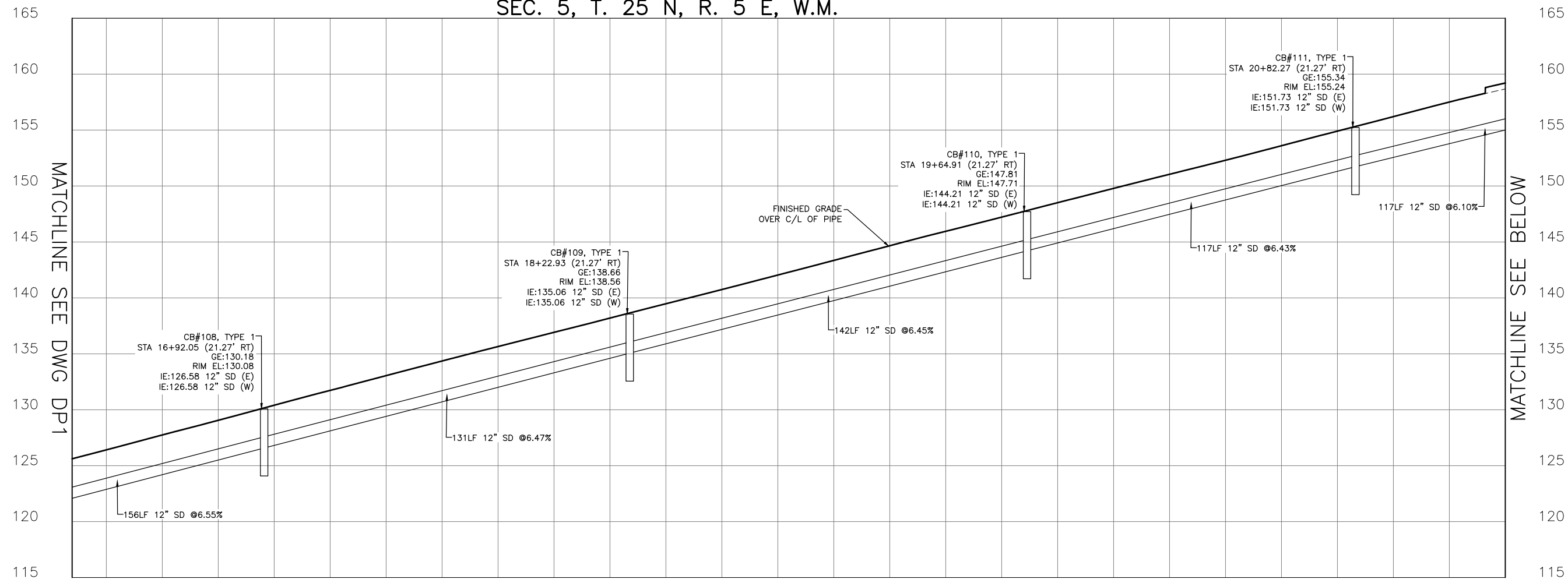
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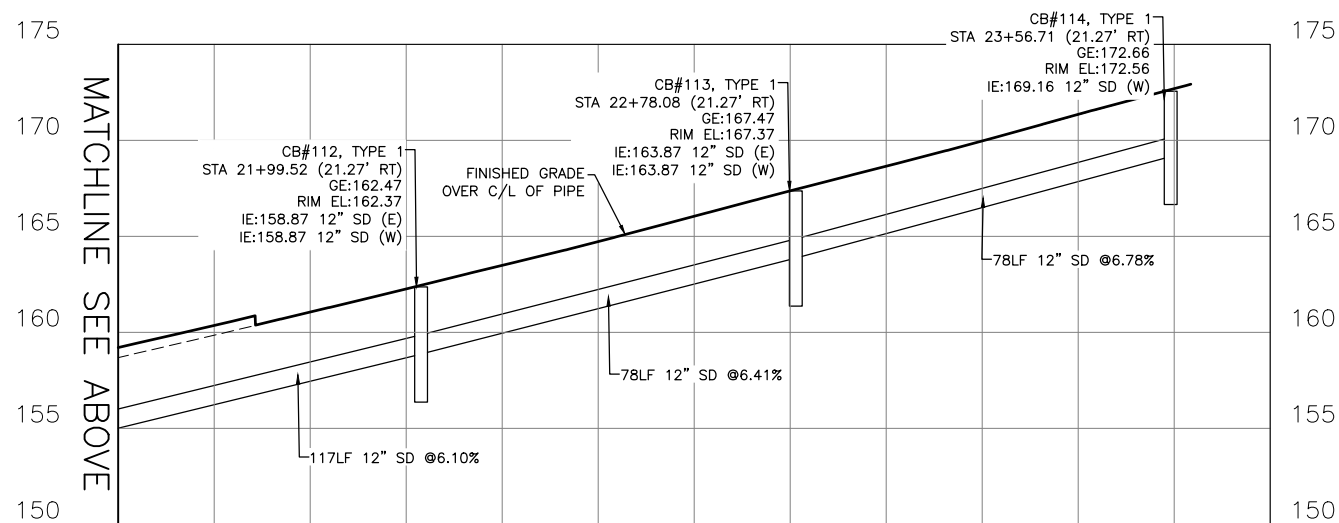
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NE 85TH ST PED-BIKE CONNECTION
DRAINAGE PROFILES

SHEET
24
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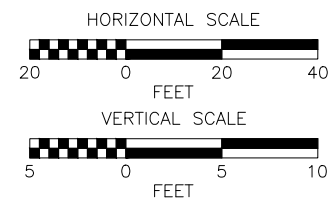
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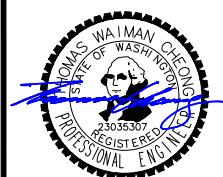
85TH ST CONVEYANCE SYSTEM



85TH ST CONVEYANCE SYSTEM



DWG. NO. DP2



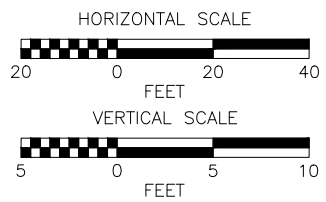
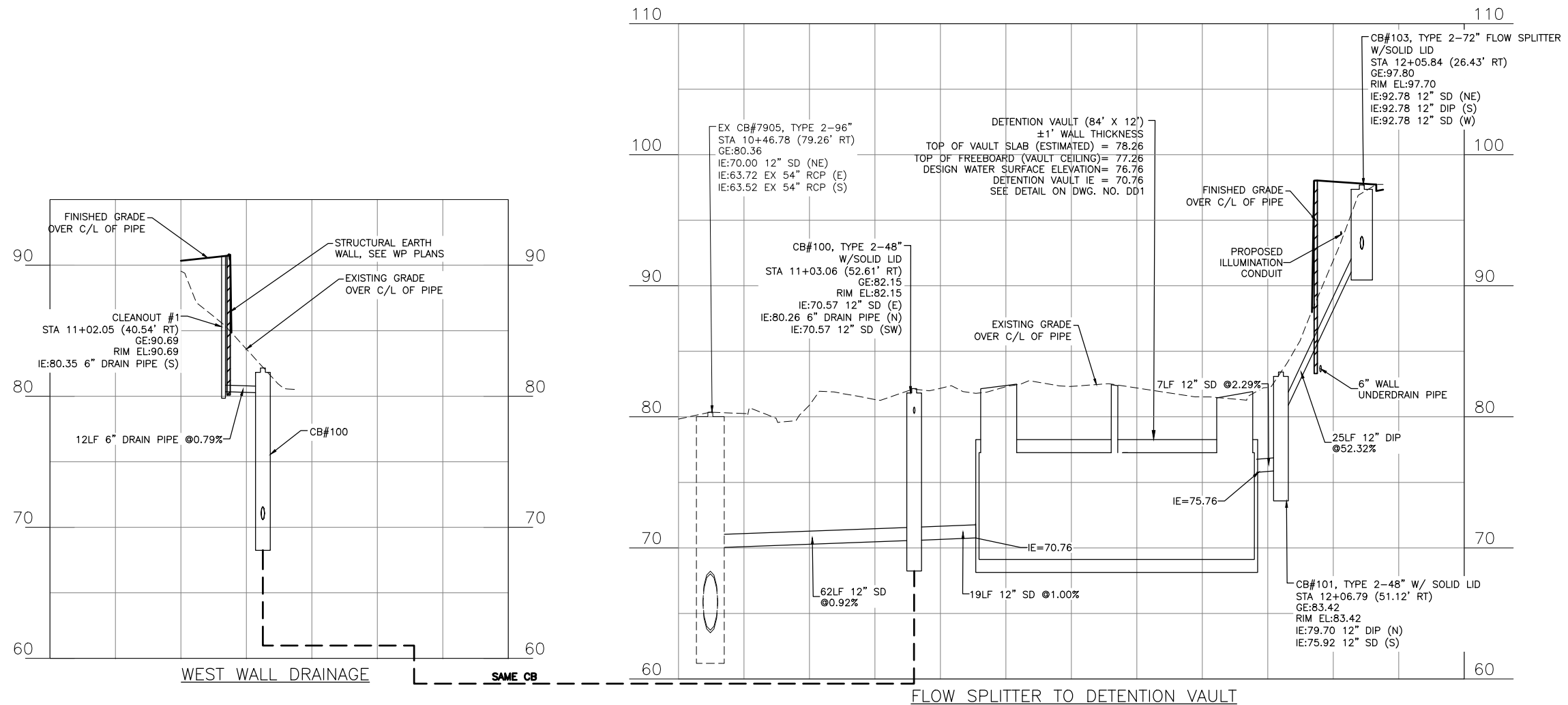
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CITY OF KIRKLAND
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 NE 85TH ST PED-BIKE CONNECTION
 DRAINAGE PROFILES

SHEET
 25 / 100

SEC. 5, T. 25 N, R. 5 E, W.M.



DWG. NO. DP3

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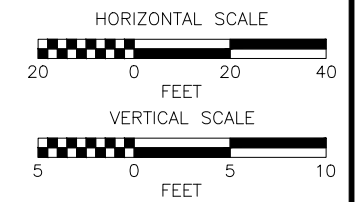
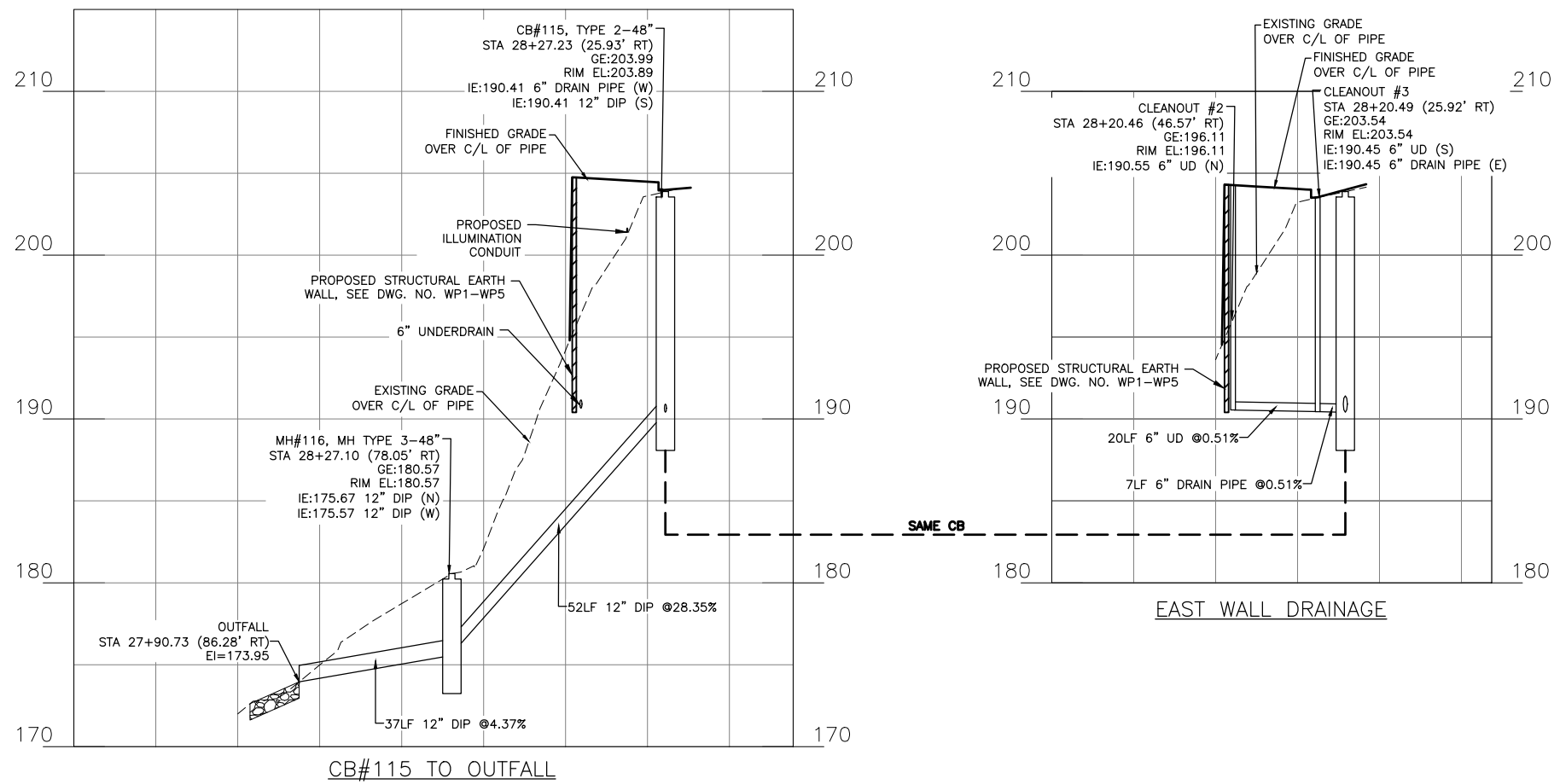
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NO.	REVISION	BY	REVIEW	DATE



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NE 85TH ST PED-BIKE CONNECTION
DRAINAGE PROFILES

SHEET
26
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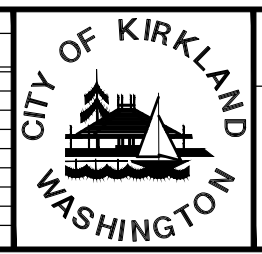


DWG. NO. DP4

PERTEET
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 EVERETT, WA 98201
 425.252.7700 | 800.615.9900

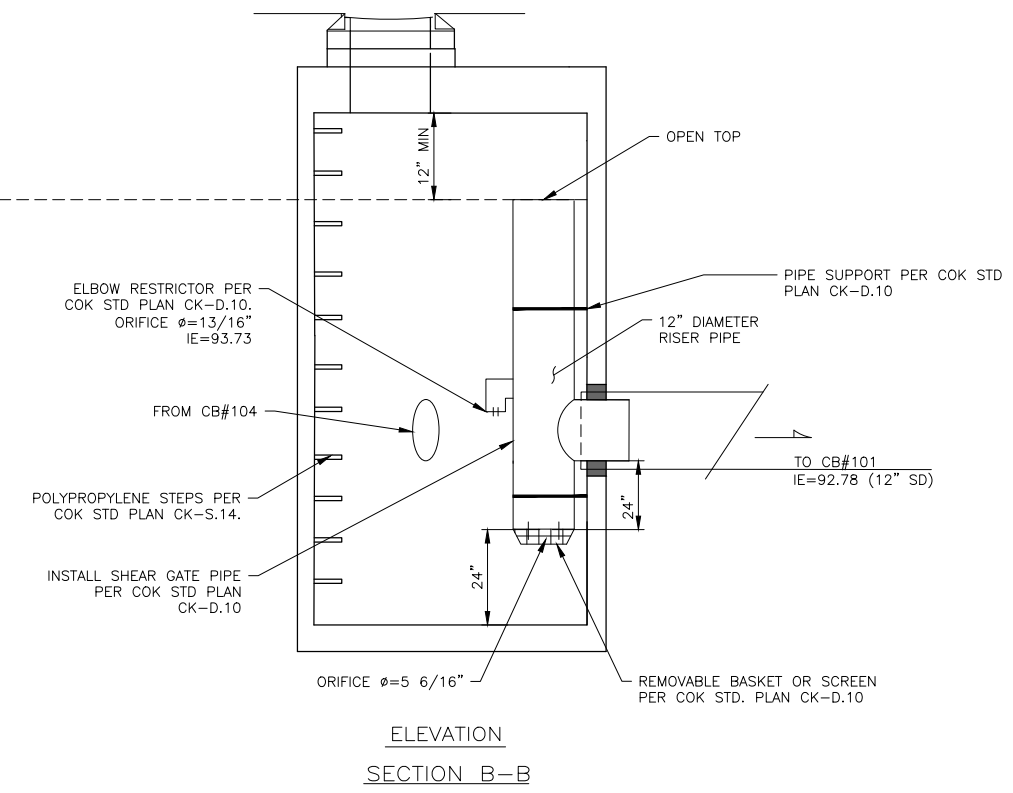
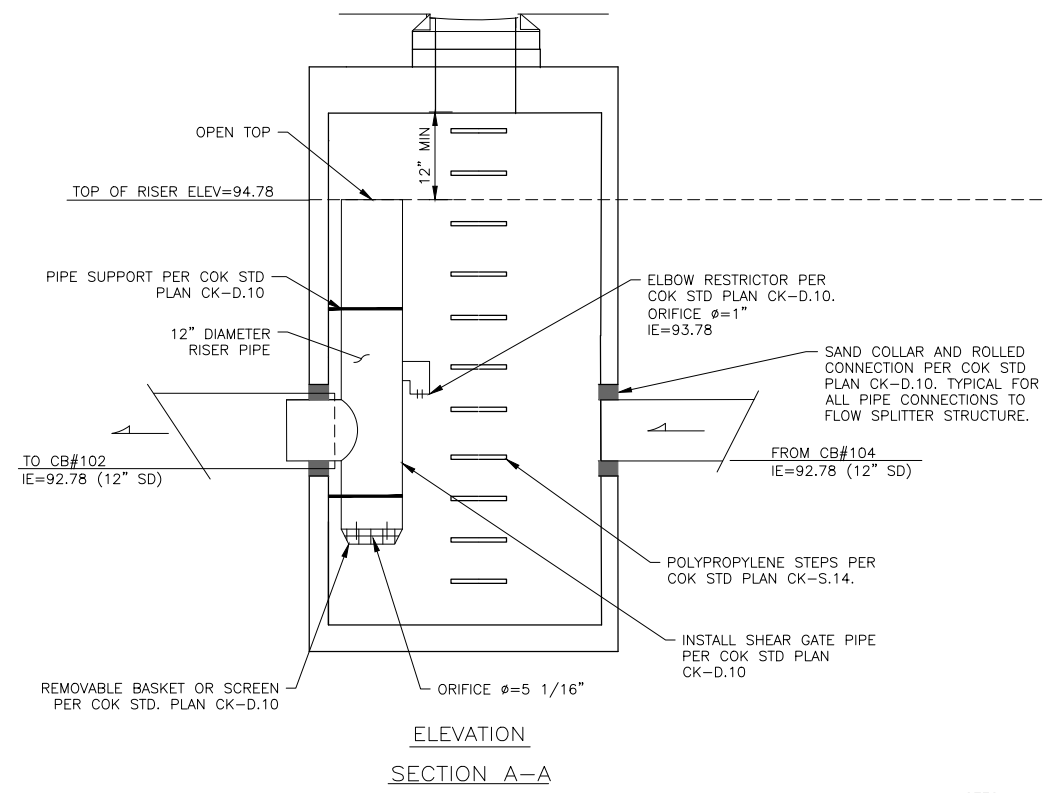
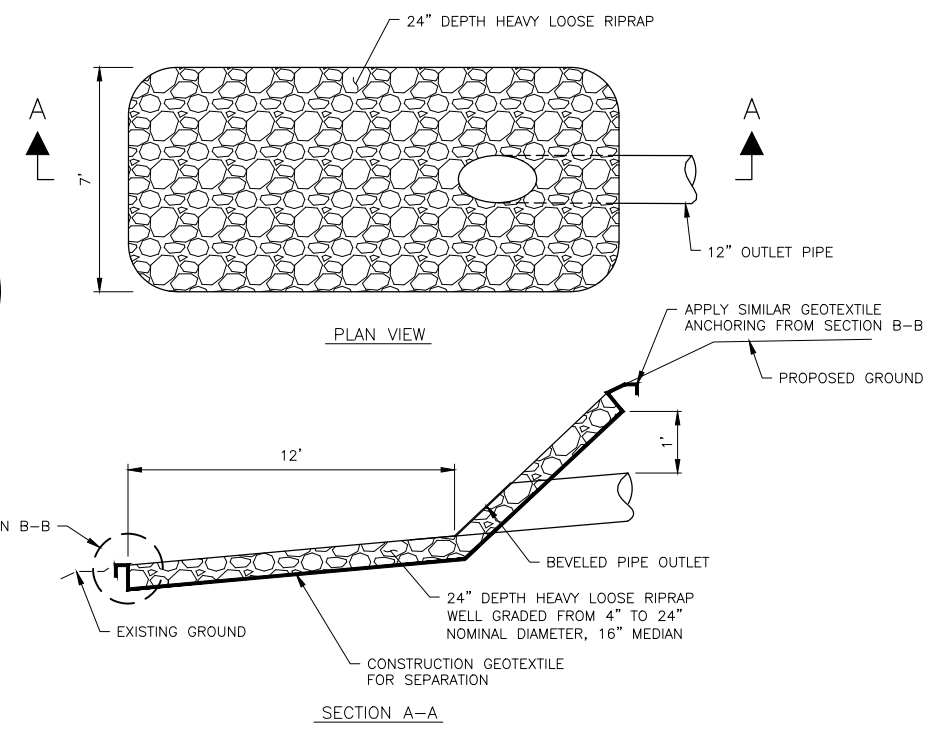
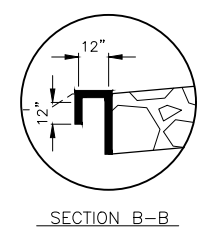
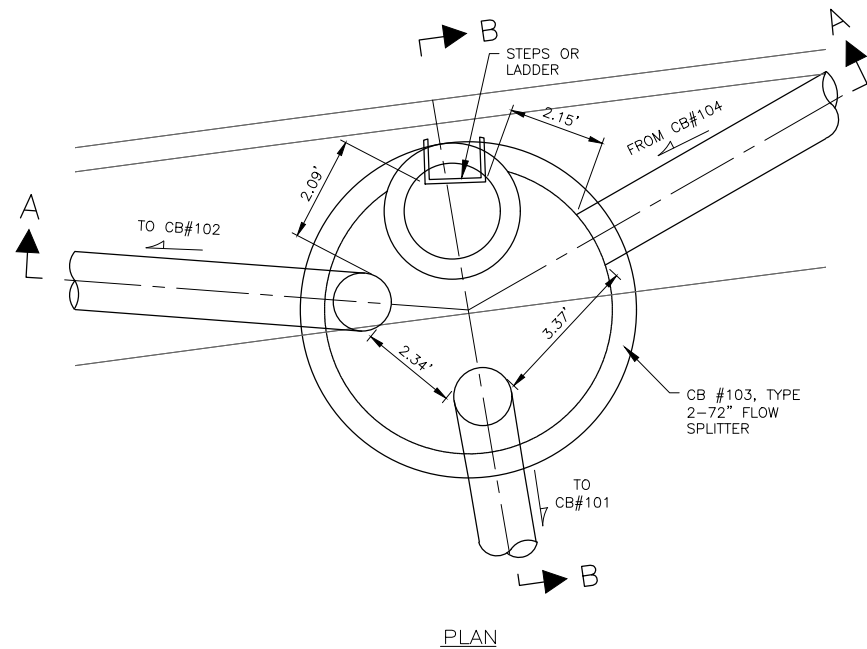


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NO.	REVISION	BY	REVIEW	DATE



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 NE 85TH ST PED-BIKE CONNECTION
 DRAINAGE PROFILES

SHEET
 27 / 100



NOTES:
 1. MATERIALS OF COMPONENTS SHOWN SHALL MATCH THOSE SPECIFIED IN CITY OF KIRKLAND PRE-APPROVED PLAN CK-D.10.
FLOW SPLITTER TYPE 2-72"
 N.T.S.

DWG. NO. DD2



FILE	ENGR.	REVIEW	SCALE	DATE
DD2	##	##	AS SHOWN	JANUARY 2025
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CITY OF KIRKLAND
 PUBLIC WORKS DEPARTMENT
 123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
 NE 85TH ST PED-BIKE CONNECTION
 DRAINAGE DETAILS

SHEET
 29
 100

SEC. 5, T. 25 N, R. 5 E, W.M.

GENERAL STRUCTURAL NOTES:

1. GENERAL

- 1.1 SPECIFIC STRUCTURAL DRAWING NOTES SHALL SUPERSEDE GENERAL STRUCTURAL NOTES WHERE THERE ARE DIFFERENCES.
- 1.2 DESIGN CODES AND REFERENCES:

THE STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FOLLOWING:
 - AASHTO LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 2009.
 - AASHTO GUIDE SPECIFICATIONS FOR LRFD SEISMIC BRIDGE DESIGN, 2nd EDITION, 2011.
 - AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, (AASHTO LRFD) 9th EDITION, 2020.
 - WSDOT BRIDGE DESIGN MANUAL (BDM), 2022.
 - WSDOT STANDARD SPECIFICATIONS M41-10, 2024.
 - AASHTO/AWS D1.5M/D1.5, BRIDGE WELDING CODE, 7th EDITION, 2020.
 - AWS D1.1M/D1.1, STRUCTURAL WELDING CODE, 24TH EDITION, 2020.
- 1.3 DESIGN LOADS:
 - 1.3.1 DEAD LOAD:
 - CIP REINFORCED CONCRETE: 155 PCF
 - PRECAST CONCRETE: 165 PCF
 - 1.3.2 LIVE LOAD (UNFACTORED):
 - PEDESTRIAN: 90 PSF
 - WIND LOAD: PER WSDOT BDM SECTION 3.11
 - MAINTENANCE VEHICLE: H-10 (NO IMPACT)
 - 1.3.3 SEISMIC DESIGN:
 - BRIDGE CLASSIFICATION: OTHER BRIDGE
 - RETURN PERIOD: 975 YR
 - SITE CLASS: D
 - PGA: 0.474g
 - S_{ps} : 1.018g
 - S_{pi} : 0.540g
 - SDC: D
 - 1.3.4 UNIFORM TEMPERATURE LOAD:
 - MAXIMUM DESIGN TEMPERATURE: 100° F
 - MINIMUM DESIGN TEMPERATURE: 0° F
 - REFERENCE CONSTRUCTION TEMPERATURE OF 64° F UNLESS NOTED OTHERWISE.
- 1.4 BRIDGE DESIGN LIFE: 75 YEARS
- 1.5 ALL UNITS ARE IN FEET UNO.
- 1.6 GEOTECHNICAL FOUNDATION RECOMMENDATIONS ARE BASED ON THE FINAL GEOTECHNICAL REPORT DATED DECEMBER 5TH, 2023.
- 1.7 BELOW GROUND STEEL CORROSION LOSS RATES FOR NON-AGGRESSIVE FILL (PER BDM 7.10.2.C):
 - RATE = 0.003 INCHES/YR
 - TOTAL LOSS = 0.225 INCHES

1.6 DEFINITIONS:

- BRG = BEARING
- CIP = CAST-IN-PLACE
- CJ = CONSTRUCTION JOINT
- CLR = CLEAR
- C/W = COMPLETE WITH
- E = EPOXY
- EA = EACH
- E/F = EACH FACE
- EOP = EDGE OF PAVEMENT
- E/W = EACH WAY
- HORIZ = HORIZONTAL
- HSS = HOLLOW STRUCTURAL SECTION
- ID = INNER DIAMETER
- INT = INTERIOR
- KSF = KIPS PER SQUARE FOOT
- KSI = KIPS PER SQUARE INCH
- LF = LINEAR FOOT
- MAX = MAXIMUM
- MIN = MINIMUM
- MISC = MISCELLANEOUS
- MSE = MECHANICALLY STABILIZED EARTH
- O/C = ON CENTER
- OD = OUTER DIAMETER
- P/C = PRECAST
- PL = PLATE
- PSF = POUNDS PER SQUARE FOOT
- PSI = POUNDS PER SQUARE INCH
- REF = REFERENCE DIMENSION
- ROW = RIGHT OF WAY
- SIM = SIMILAR
- SS = STAINLESS STEEL
- STIFF = STIFFENER
- STR = STRAIGHT
- SYMM = SYMMETRICAL
- THK = THICK
- T.O. = TOP OF
- T.O.C. = TOP OF CONCRETE
- T.O.S. = TOP OF STEEL
- TYP = TYPICAL
- UNO = UNLESS NOTED OTHERWISE
- U/S = UNDERSIDE
- VERT = VERTICAL
- W/ = WITH

2. FOUNDATIONS

- 2.1 FOUNDATION DESIGN IS BASED ON THE REVISED DRAFT GEOTECHNICAL REPORT DATED DECEMBER 5, 2023 PREPARED BY HWA GEOSCIENCES INC.
- 2.2 SOUND GROUND ELEVATIONS AND DRILLED SHAFT TIP ELEVATIONS MAY VARY. ACTUAL ELEVATIONS TO BE VERIFIED BY GEOTECHNICAL ENGINEER OF RECORD PRIOR TO START OF SHAFT CONCRETE POUR.
- 2.3 AS-CONSTRUCTED LOCATIONS AND ELEVATIONS OF DRILLED SHAFTS AND CSL TESTING REPORT SHALL BE PROVIDED TO ENGINEER OF RECORD PRIOR TO PLACEMENT OF COLUMN REINFORCING STEEL.

3. CONCRETE

- 3.1 CONCRETE COVER FROM FACE OF CONCRETE TO ANY REINFORCING BAR SHALL BE AS FOLLOWS (INCHES) UNO:
 - TOP OF DECK 2.5
 - SOFFIT OF DECK 1.0
 - SURFACES CAST AGAINST EARTH 3.0
 - STIRRUPS IN COLUMNS 1.5
 - OTHER SURFACES NOT SPECIFIED ABOVE 2.0
 - 3.2 ALL EXPOSED CONCRETE EDGES TO BE CHAMFERED 3/4" UNO.
 - 3.3 CONCRETE CLASSES
 - DRILLED SHAFTS 5000P
 - BRIDGE DECK 4000D
(INCLUDING CURB, PARAPET, AND JUMP SLAB)
 - ALL OTHER CONCRETE 4000
 - PRECAST VOIDED SLAB CONCRETE GIRDERS 7500
 - 3.4 ROUGHENED CONCRETE SURFACES SHALL BE WET ABRASIVE BLAST CLEANED TO SOUND CONCRETE AND FREE OF LAITANCE IN ACCORDANCE WITH ASTM D4259 TO A MINIMUM PROFILE OF 0.25 INCHES.
 - 3.5 ALL CONSTRUCTION JOINTS SHALL BE ROUGHENED UNLESS NOTED OTHERWISE.
 - 3.6 WALKING SURFACE OF BRIDGE DECK SHALL RECEIVE A TRANSVERSE BROOM FINISH AS PER WSDOT STANDARD SPECIFICATIONS SECTION 6.02.3 AND SPECIAL PROVISIONS.
 - 3.7 EPOXY SHALL MEET THE REQUIREMENTS OF ASTM C881 AND APPROPRIATE CLASS FOR THE SITE TEMPERATURE:
 - BONDING AGENT – TYPE II, GRADE 2
 - REBAR AND ANCHOR BOLT – TYPE IV, GRADE 1, 2, OR 3
 - LEVELING COURSE – TYPE I, GRADE 3
4. REINFORCING STEEL
- 4.1 REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A706 GRADE 60.
 - 4.2 REINFORCING STEEL DENOTED WITH THE SUFFIX "E" SHALL BE EPOXY COATED.
 - 4.3 WELDING OF REINFORCING STEEL IS NOT PERMITTED, UNO.
 - 4.4 SPLICING OF TRANSVERSE DECK REINFORCING BARS AT LOCATIONS OTHER THAN THOSE SPECIFIED ON THE DRAWINGS IS NOT PERMITTED.
 - 4.5 LONGITUDINAL BAR SPLICES ON ADJACENT BARS IN THE DECK SHALL BE STAGGERED SUCH THAT NOT MORE THAN 50% OF THE BARS ARE SPLICED AT ANY LOCATION.
 - 4.6 MECHANICAL COUPLERS SHALL ONLY BE USED WITH APPROVAL OF ENGINEER, UNO.
 - 4.7 POST-TENSIONING STEEL SHALL BE 0.6" DIA. SEVEN-WIRE AASHTO M203 GR 270 LOW RELAXATION STRAND.
 - 4.8 STRUCTURAL STEEL SHAPES SHALL BE ASTM A992, GR 50.
 - 4.9 REBAR TERMINATORS SHALL BE ASTM A970 COMPLIANT.

5. STRUCTURAL STEEL

- 5.1 MISCELLANEOUS STEEL SHALL CONFORM TO ASTM A572 GRADE 50, UNO.
- 5.2 WELDING OF MISCELLANEOUS STEEL SHALL CONFORM TO AWS D1.1. MINIMUM WELD SIZE SHALL BE 3/16" UNO.
- 5.3 ALL MISCELLANEOUS STEEL AND EMBEDDED PLATE SHALL BE HOT DIPPED GALVANIZED TO ASTM A123, UNO.
- 5.4 SHEAR CONNECTORS SHALL CONFORM TO ASTM A108, WITH A MINIMUM TENSILE STRENGTH OF 60 KSI.
- 5.5 WELDING OF SHEAR CONNECTORS SHALL CONFORM TO AWS D1.5.
- 5.6 NUTS SHALL BE TIGHTENED BY TURN-OF-THE-NUT METHOD, UNO.
- 5.7 ANCHOR RODS SHALL MEET THE REQUIREMENTS OF ASTM F1554, GR55, UNO.
- 5.8 AFTER FABRICATION OF DRILLED SHAFT CENTRALIZERS, ADD EPOXY COATING OR PAINT WITH INORGANIC ZINC.
- 5.9 PERMANENT CASING FOR DRILLED SHAFTS MUST CONFORM TO ASTM A572 GRADE 50 (Fy = 50 ksi) OR APPROVED EQUIVALENT.
- 5.10 STAINLESS STEEL ANCHOR BOLTS SHALL CONFORM TO ASTM F593 (Fu = 100 ksi).
- 5.11 RAILING SHALL BE FREE OF SHARP EDGES, BARBS, OR OTHER HAZARDS.

6. CONSTRUCTION

- 6.1 CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION/ERECTION. ERECTION SEQUENCE DRAWINGS AND LIFTING PLANS SHALL BE SIGNED/SEALED BY A WASHINGTON STATE LICENSED PROFESSIONAL ENGINEER AND BE SUBMITTED TO ENGINEER OF RECORD FOR REVIEW PRIOR TO CARRYING OUT THE OPERATIONS.
- 6.2 ALL DIMENSIONS SHOWN ARE BASED ON A MEAN CONSTRUCTION TEMPERATURE OF 64°F, UNO.
- 6.3 CONTRACTOR SHALL FIELD VERIFY ALL EXISTING FEATURES AND CONDITIONS PRIOR TO CONSTRUCTION AND SHOP FABRICATION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.
- 6.4 THE MEANS AND METHODS OF CONSTRUCTION, SEQUENCE OF WORKS, AND TEMPORARY WORKS ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION AND ERECTION.
- 6.5 FALSEWORK SHALL BE CAREFULLY RELEASED TO PREVENT IMPACT OR UNDUE STRESS ON THE STRUCTURE.

DWG. NO. S1



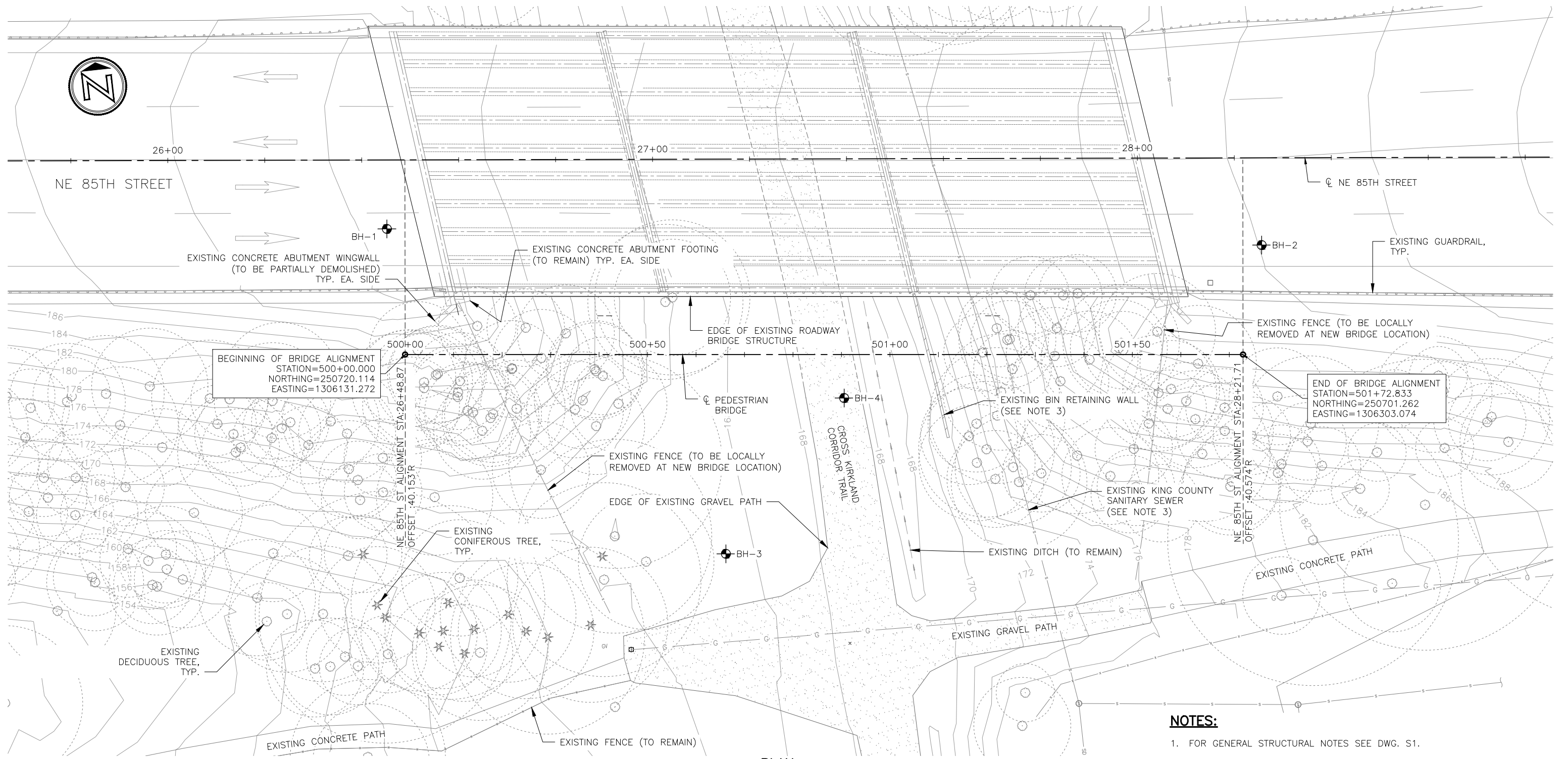
FILE	ENGR.	REVIEW	SCALE	DATE
1219-S1	CB	SV	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
NE 85TH ST PED-BIKE CONNECTION
BRIDGE PLANS
GENERAL STRUCTURAL NOTES

SHEET
30
100

SEC. 5, T. 25 N, R. 5 E, W.M.



BEGINNING OF BRIDGE ALIGNMENT
STATION=500+00.000
NORTHING=250720.114
EASTING=1306131.272

END OF BRIDGE ALIGNMENT
STATION=501+72.833
NORTHING=250701.262
EASTING=1306303.074

PLAN
SCALE: 1" = 10'

NOTES:

1. FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
2. FOR BOREHOLE LOCATIONS AND LOGS REFER TO GEOTECHNICAL REPORT.
3. KING COUNTY SANITARY SEWER SHALL BE PROTECTED IN PLACE. PRIOR TO GROUNDBREAKING, THE LOCATION OF THE SANITARY SEWER AT THE BRIDGE LOCATION SHALL BE POTHOLED AND LOCATED TO CONFIRM CLEARANCE TO DRILLED SHAFT AND DEPTH. NO POINT LOADS SHALL BE PLACED OVER THE LOCATED PIPE.

DWG. NO. S2



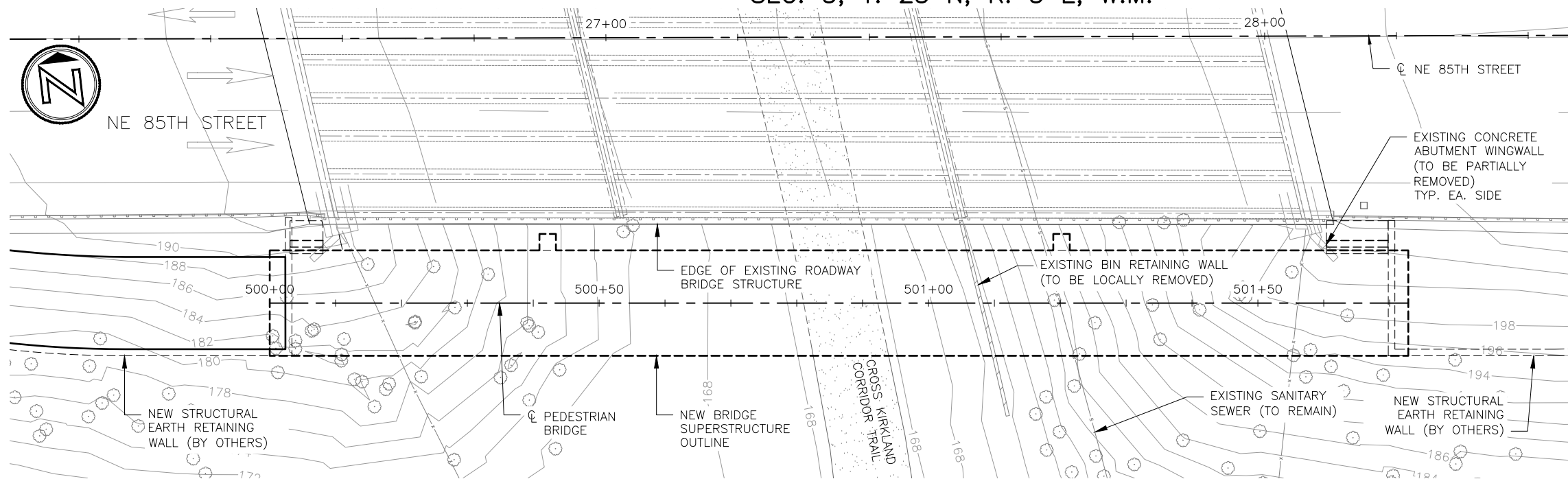
FILE	ENGR.	REVIEW	SCALE	DATE
1219-S2	CB	SV	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



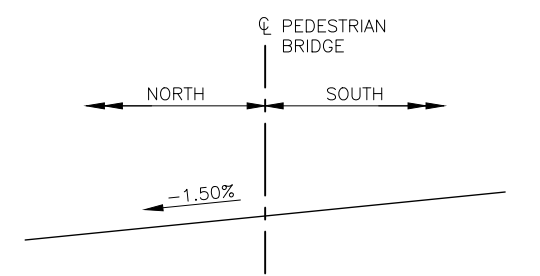
CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
NE 85TH ST PED-BIKE CONNECTION
BRIDGE PLANS
SITE PLAN

SHEET
31
100

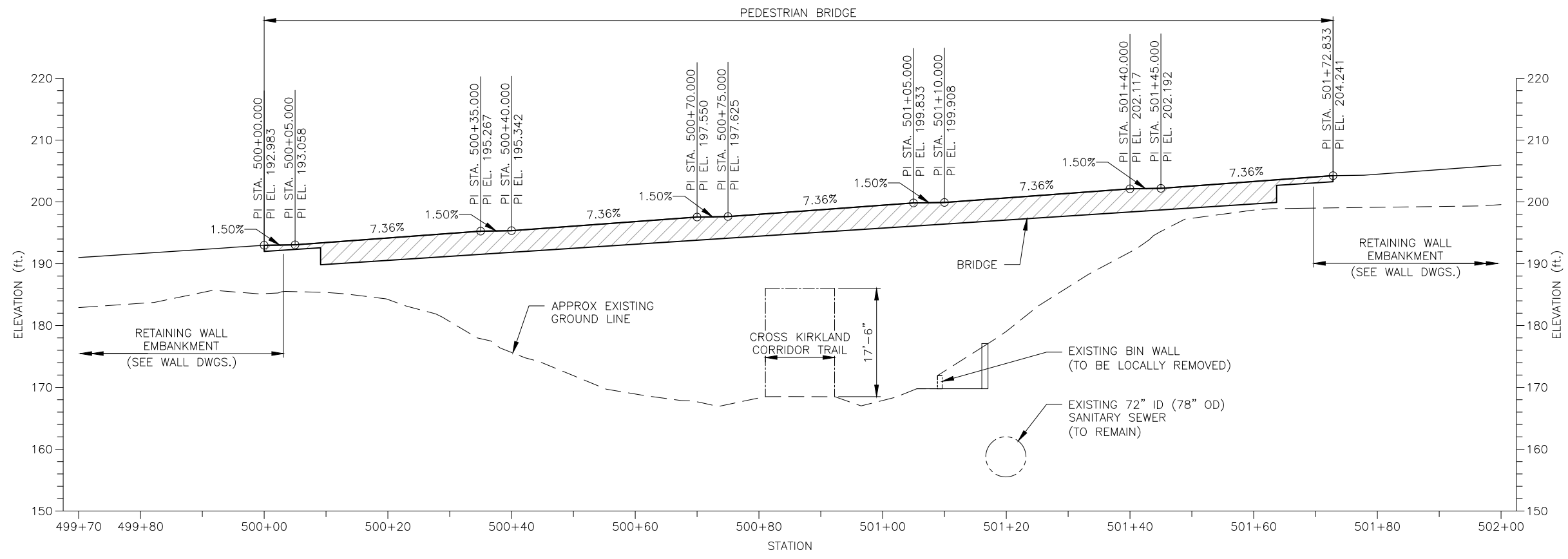
SEC. 5, T. 25 N, R. 5 E, W.M.



PLAN
SCALE: 1" = 10'



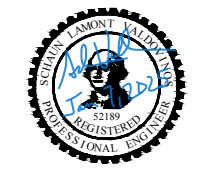
PEDESTRIAN BRIDGE SUPERELEVATION
SCALE: NTS



PROFILE ALONG ϕ PEDESTRIAN BRIDGE
SCALE: 1" = 10'

- NOTES:**
1. FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.

DWG. NO. S3



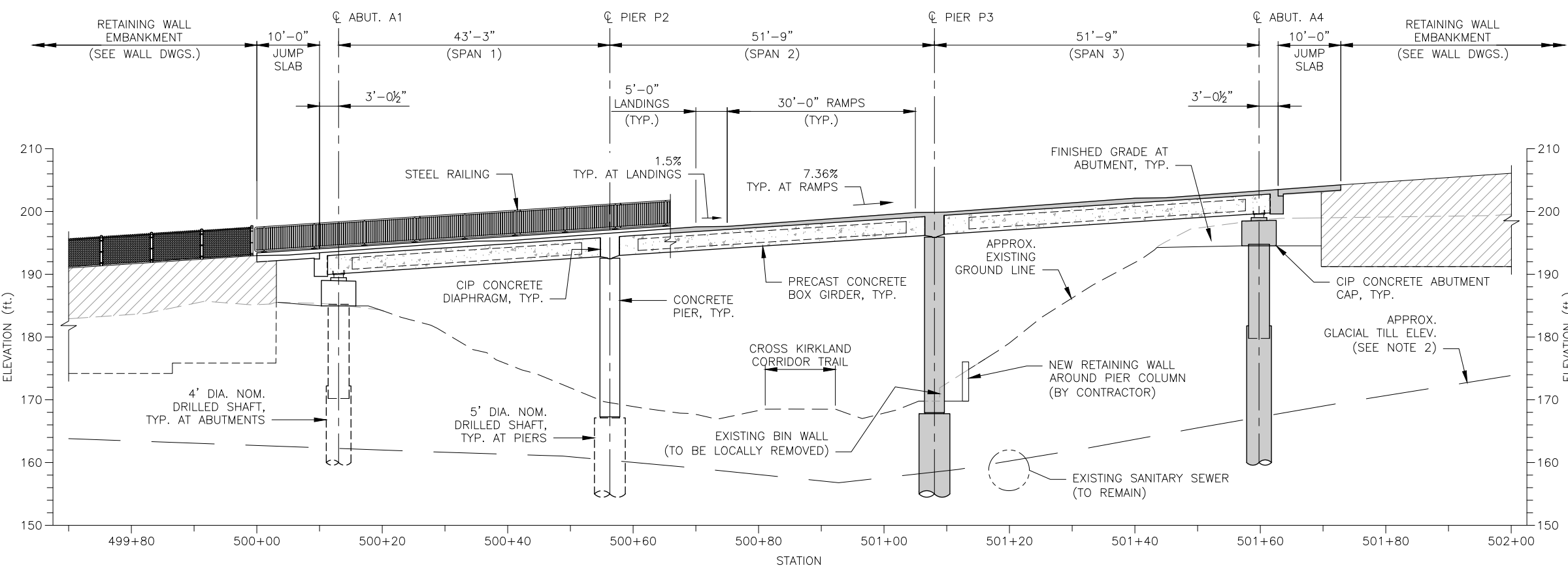
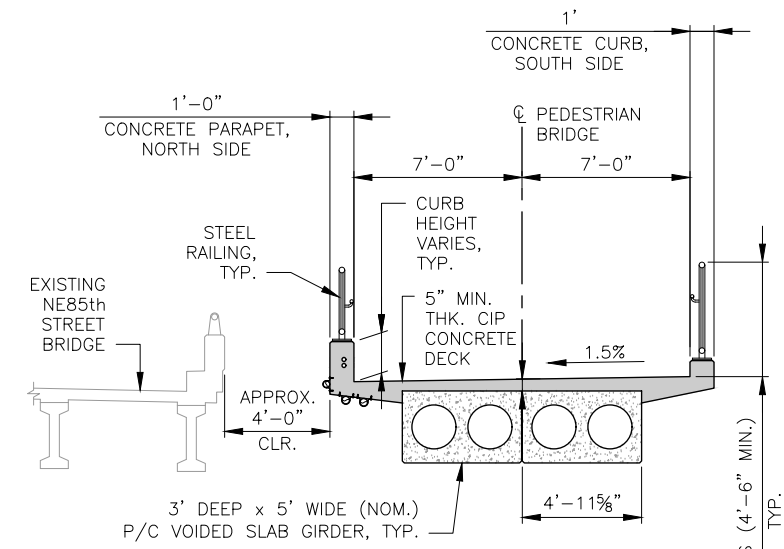
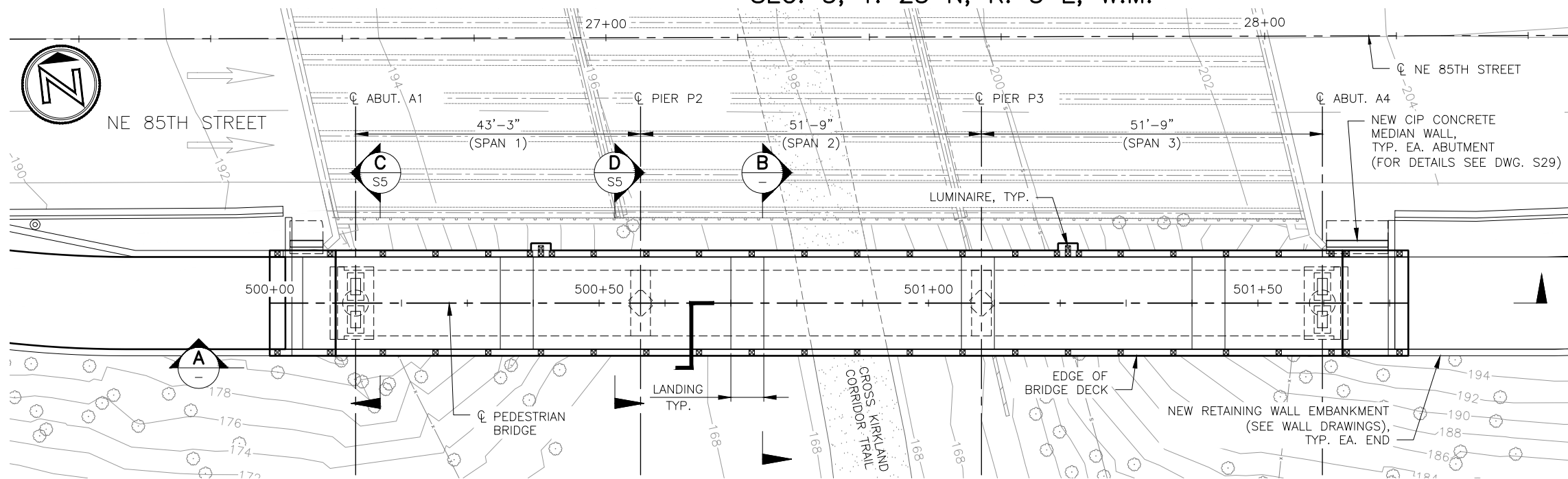
FILE	ENGR.	REVIEW	SCALE	DATE
1219-S3	CB	SV	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



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NE 85TH ST PED-BIKE CONNECTION
BRIDGE PLANS
ALIGNMENT & PROFILE

SHEET
32
100

SEC. 5, T. 25 N, R. 5 E, W.M.



- NOTES:**
- FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
 - GEOTECHNICAL DATUMS ARE BASED ON GEOLOGIC CROSS SECTION A-A (FIG. No. 4A) BY HWA GEOSCIENCES INC.

DWG. NO. S4



FILE	ENGR.	REVIEW	SCALE	DATE
1219-S4	CB	SV	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



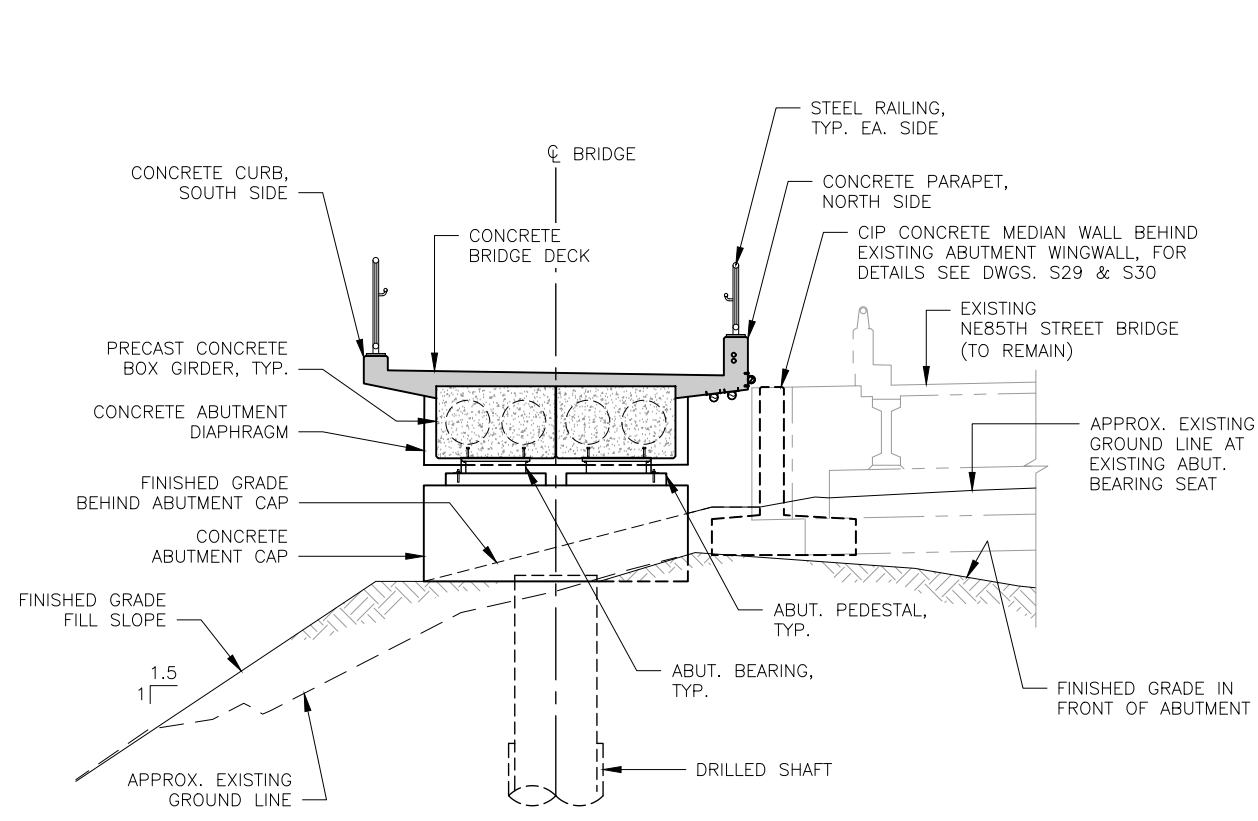
CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800

NE 85TH ST PED-BIKE CONNECTION

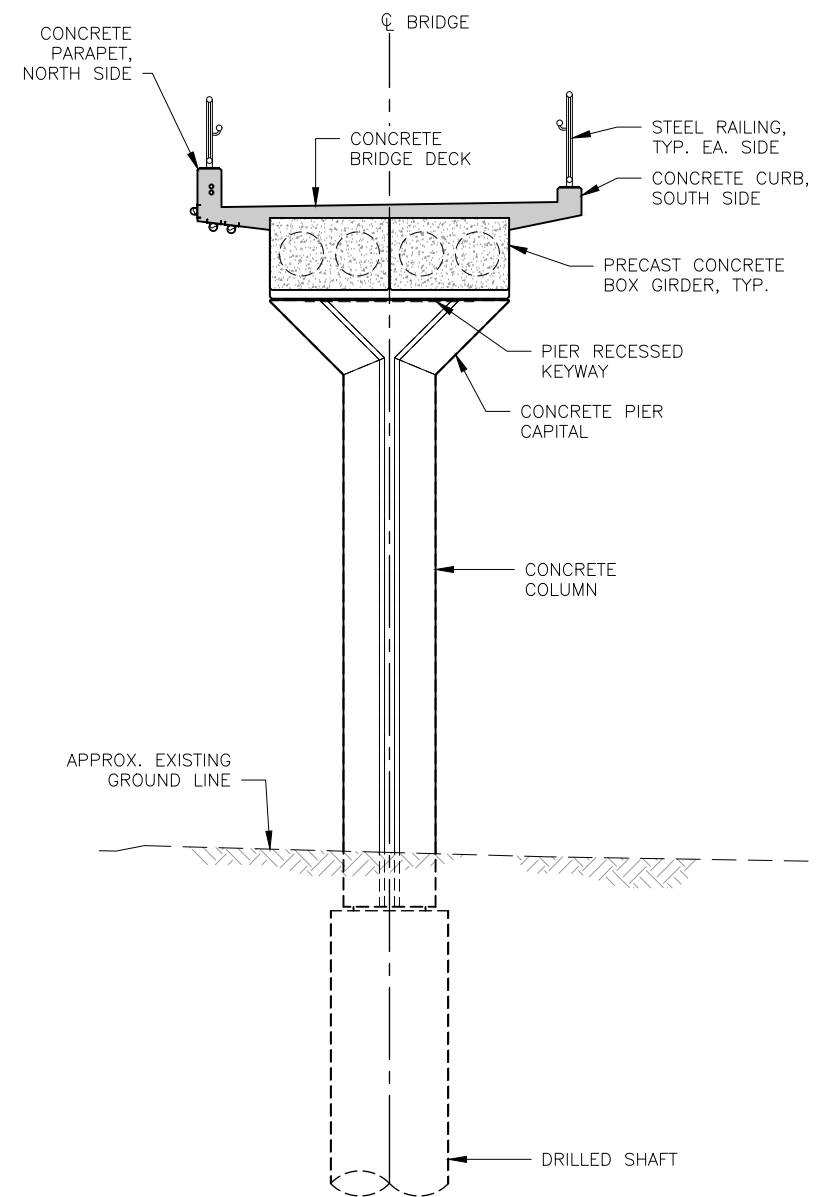
BRIDGE PLANS
GENERAL ARRANGEMENT - SHEET 1

SHEET
33
100

SEC. 5, T. 25 N, R. 5 E, W.M.



TYP. ABUTMENT SECTION **C**
SCALE: 1/4" = 1'-0" S4



TYP. PIER SECTION **D**
SCALE: 1/4" = 1'-0" S4

NOTES:

- FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.

DWG. NO. S5



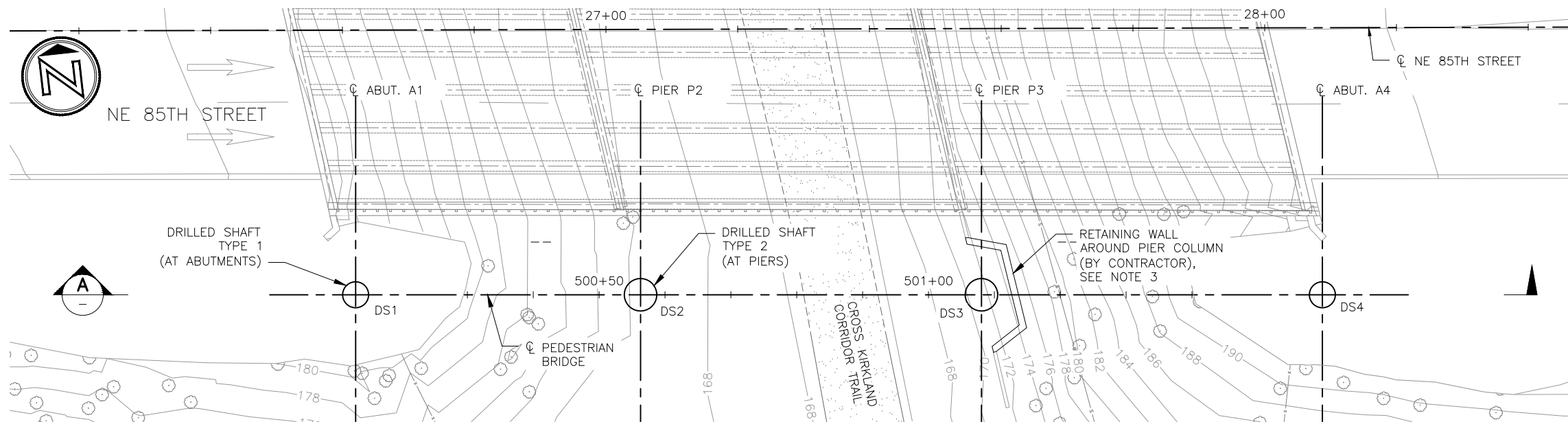
FILE	ENGR.	REVIEW	SCALE	DATE
1219-S5	CB	SV	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



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NE 85TH ST PED-BIKE CONNECTION
BRIDGE PLANS
GENERAL ARRANGEMENT - SHEET 2

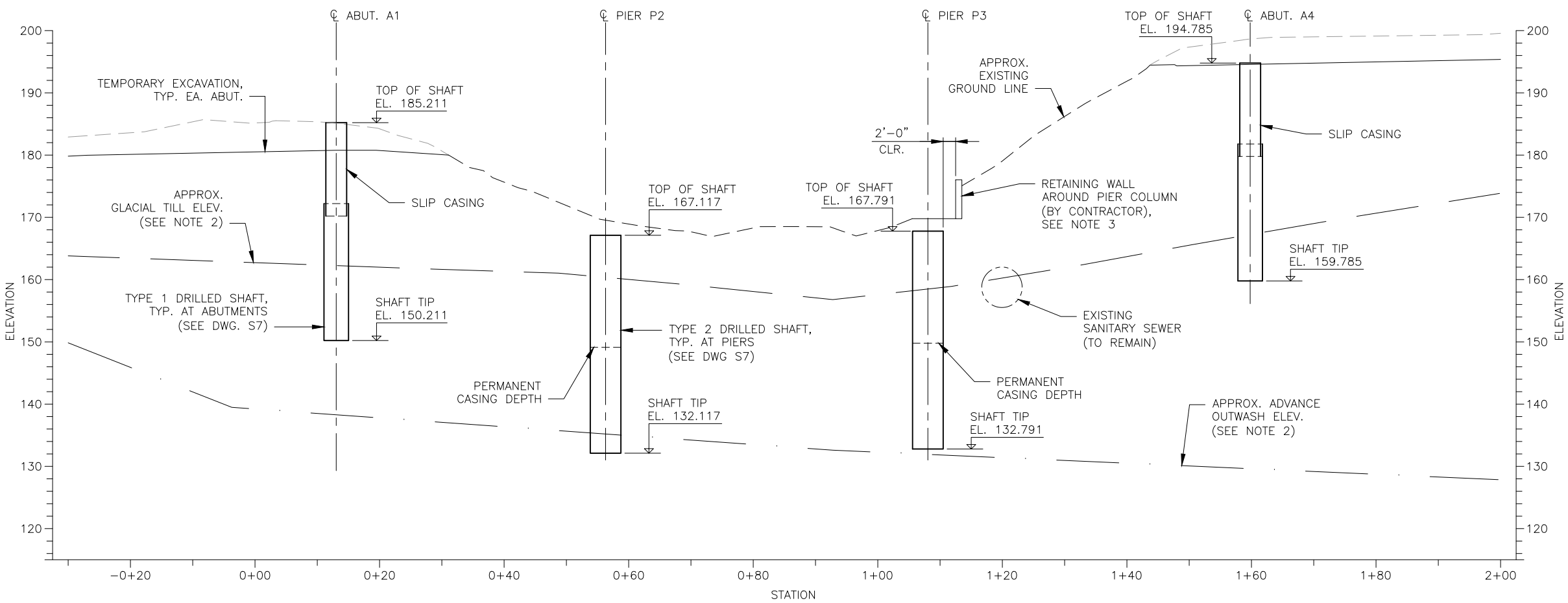
SHEET
34
100

SEC. 5, T. 25 N, R. 5 E, W.M.



PLAN
SCALE: 1" = 10'-0"

TABLE S6-1 - SHAFT CONTROL POINTS			
SHAFT	NORTHING	EASTING	SHAFT TYPE
DS1	250718.692	1306144.236	TYPE 1
DS2	250713.974	1306187.228	TYPE 2
DS3	250708.329	1306238.669	TYPE 2
DS4	250702.684	1306290.110	TYPE 1



SECTION
SCALE: 1" = 10'-0"

- NOTES:**
- FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
 - GEOTECHNICAL DATUMS ARE BASED ON GEOLOGIC CROSS SECTION A-A (FIG. No. 4A) BY HWA GEOSCIENCES INC.
 - TEMPORARY CUT/EXCAVATION INTO EAST SLOPE TO ACCOMMODATE PIER P3 SHAFT INSTALLATION/COLUMN CONSTRUCTION SHALL BE SUBMITTED TO AND APPROVED BY GEOTECHNICAL ENGINEER PRIOR TO EXCAVATION.

DWG. NO. S6



FILE	ENGR.	REVIEW	SCALE	DATE
1219-S6	CB	SV	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



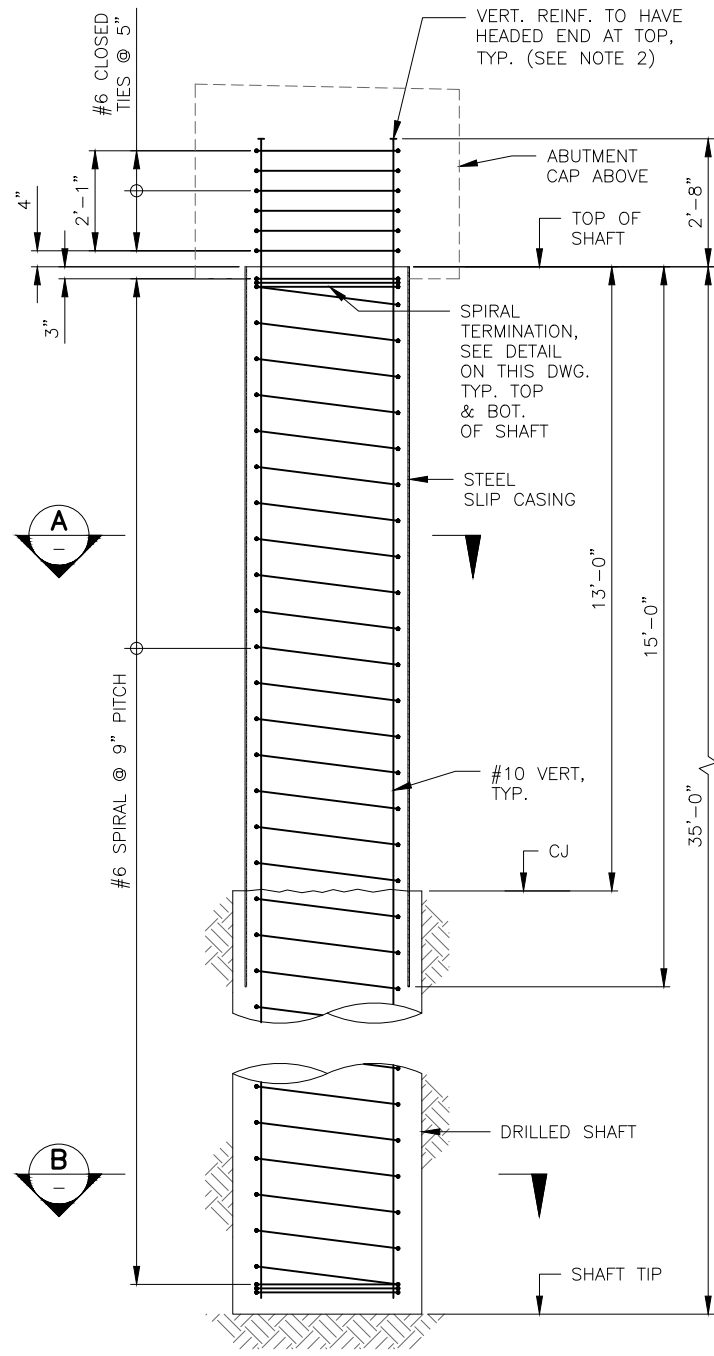
CITY OF KIRKLAND
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123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800

NE 85TH ST PED-BIKE CONNECTION

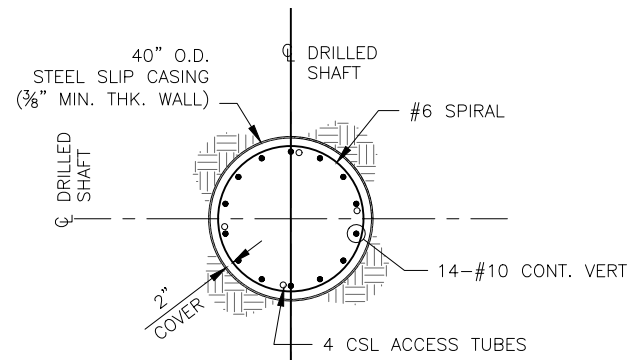
BRIDGE PLANS
FOUNDATION LAYOUT

SHEET
35
100

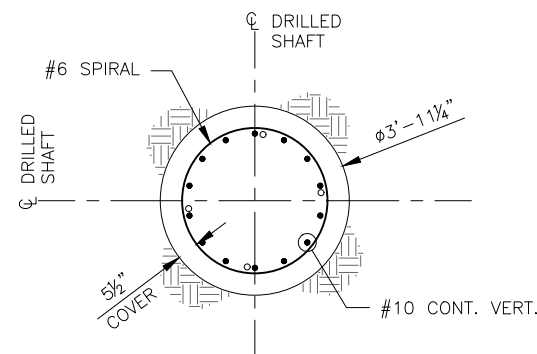
SEC. 5, T. 25 N, R. 5 E, W.M.



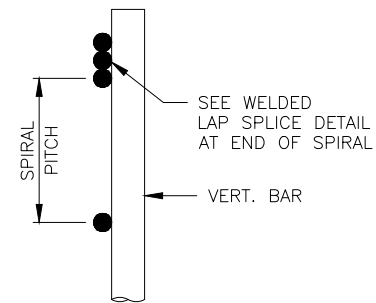
SHAFT ELEVATION - TYPE 1
SCALE: 1/2" = 1'-0"



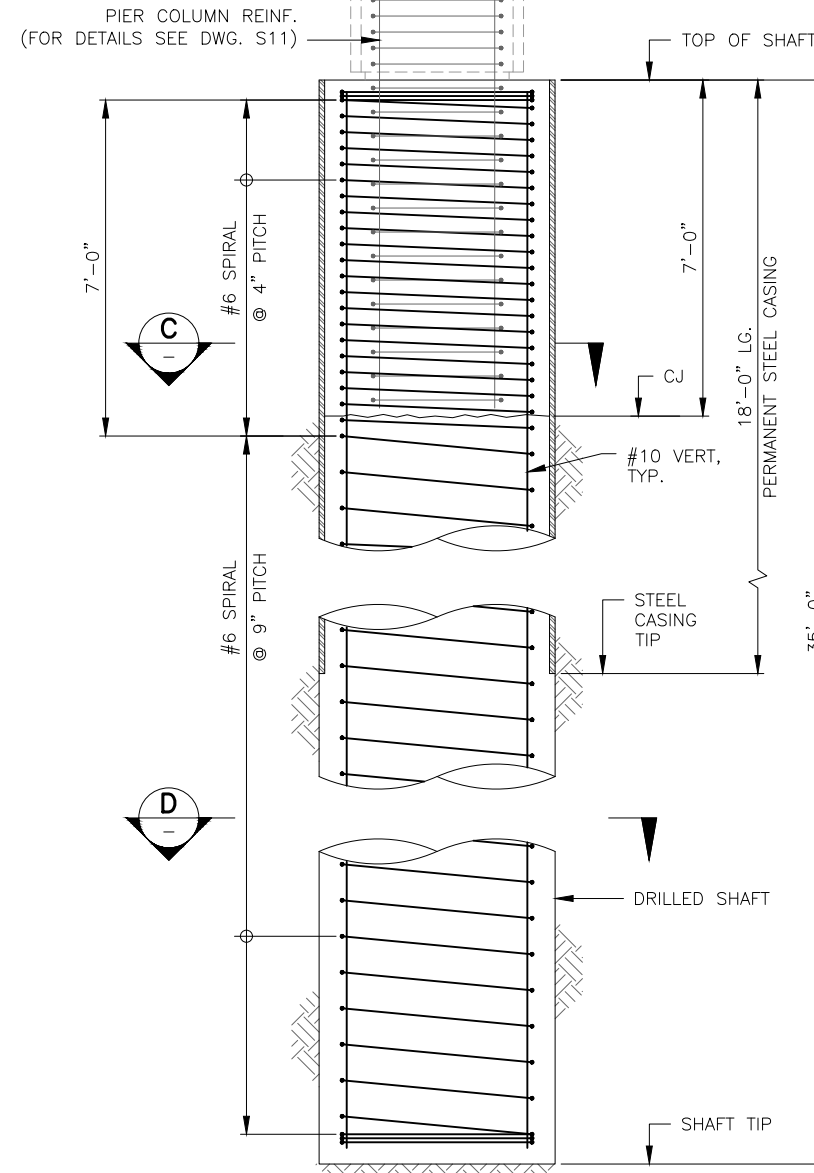
SECTION A
SCALE: 1/2" = 1'-0"



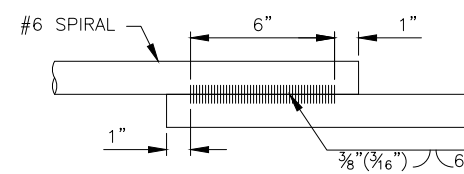
SECTION B
SCALE: 1/2" = 1'-0"



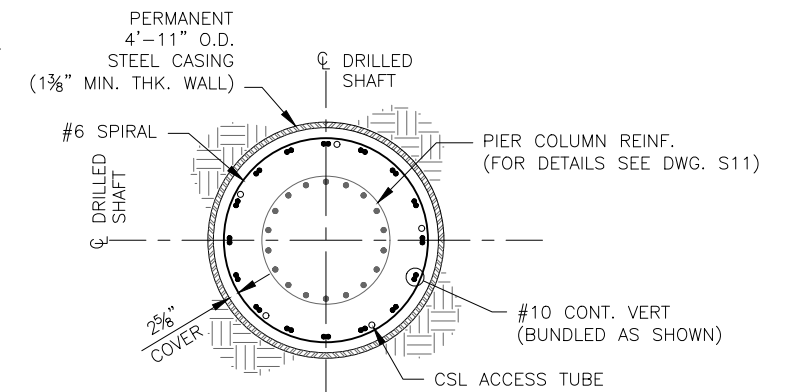
SPIRAL TERMINATION DETAIL
SCALE: 3" = 1'-0"



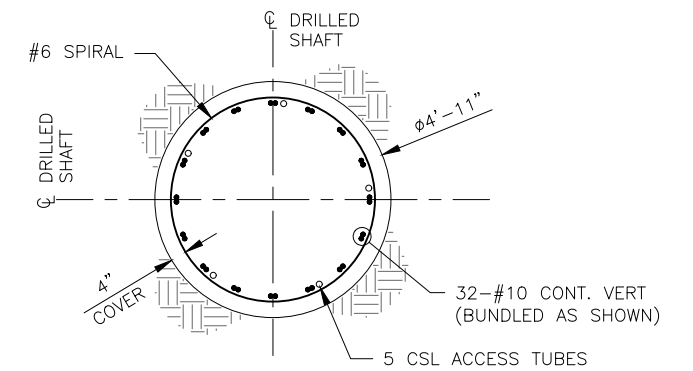
SHAFT ELEVATION - TYPE 2
SCALE: 1/2" = 1'-0"



WELDED LAP SPLICE DETAIL
SCALE: 3" = 1'-0"



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



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

NOTES:

- FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
- HEADED REINFORCEMENT MUST BE LENTON TERMINATORS OR APPROVED EQUIVALENT FROM WSDOT QUALIFIED PRODUCTS LIST.
- SHAFTS SHALL BE CONSTRUCTED USING OSCILLATOR AS PER THE SPECIAL PROVISIONS.
- THE EXACT LOCATIONS AND DEPTH OF ALL UNDERGROUND UTILITIES SHALL BE CONFIRMED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- PRIOR TO CASTING CONNECTION TO COLUMN REINFORCEMENT, CONTRACTOR SHALL REMOVE LAITANCE DOWN TO SOUND CONCRETE AT THE CONSTRUCTION JOINT AND SHALL CLEAN EXPOSED REINFORCEMENT.
- LAP SPLICES SHALL NOT BE PERMITTED FOR LONGITUDINAL REINFORCEMENT. MECHANICAL SPLICES ARE PERMITTED WHERE THEY ARE STAGGERED AT 24".
- ALL WELDS FOR STEEL CASING SHALL BE COMPLETE JOINT PENETRATION GROOVE WELDS.
- AS-BUILT LOCATIONS AND ELEVATIONS OF SHAFTS SHALL BE SENT TO ENGINEER OF RECORD (EOR) PRIOR TO PROCEEDING WITH COLUMN CONSTRUCTION.

DWG. NO. S7



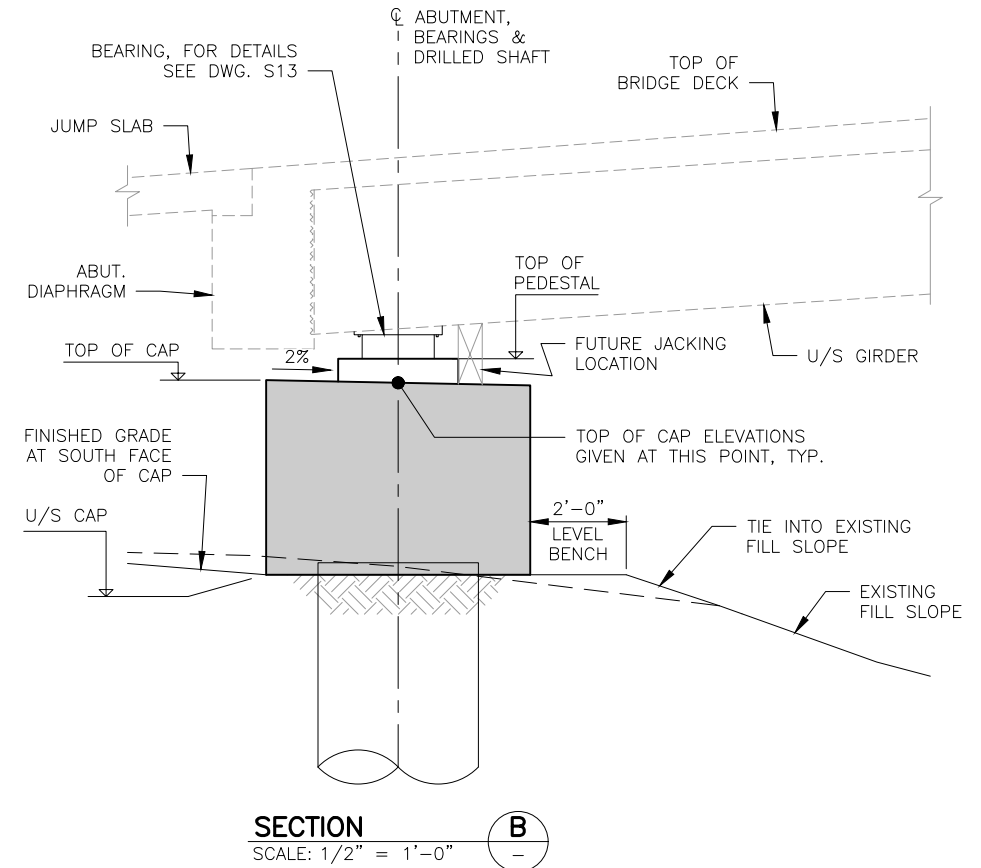
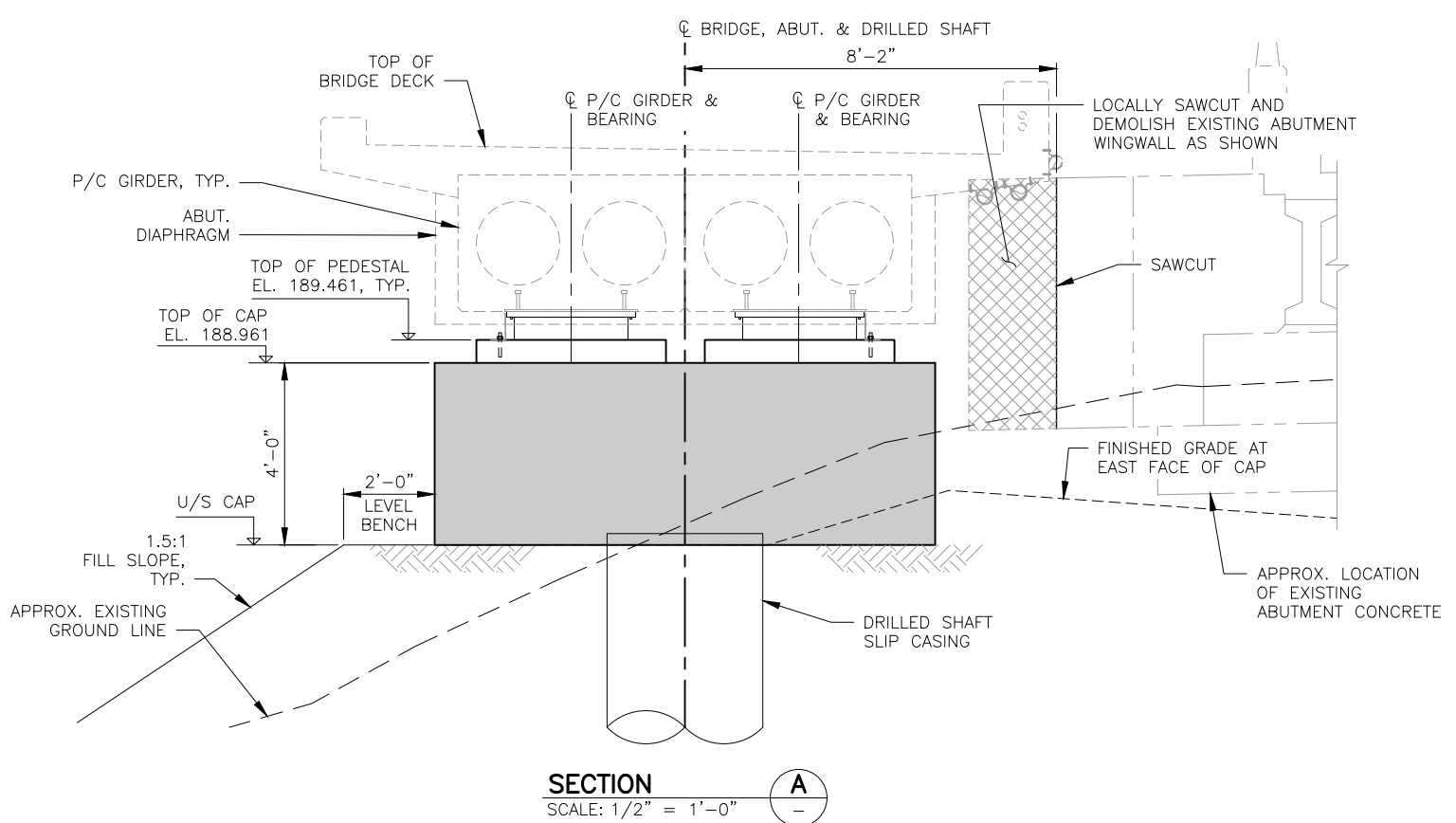
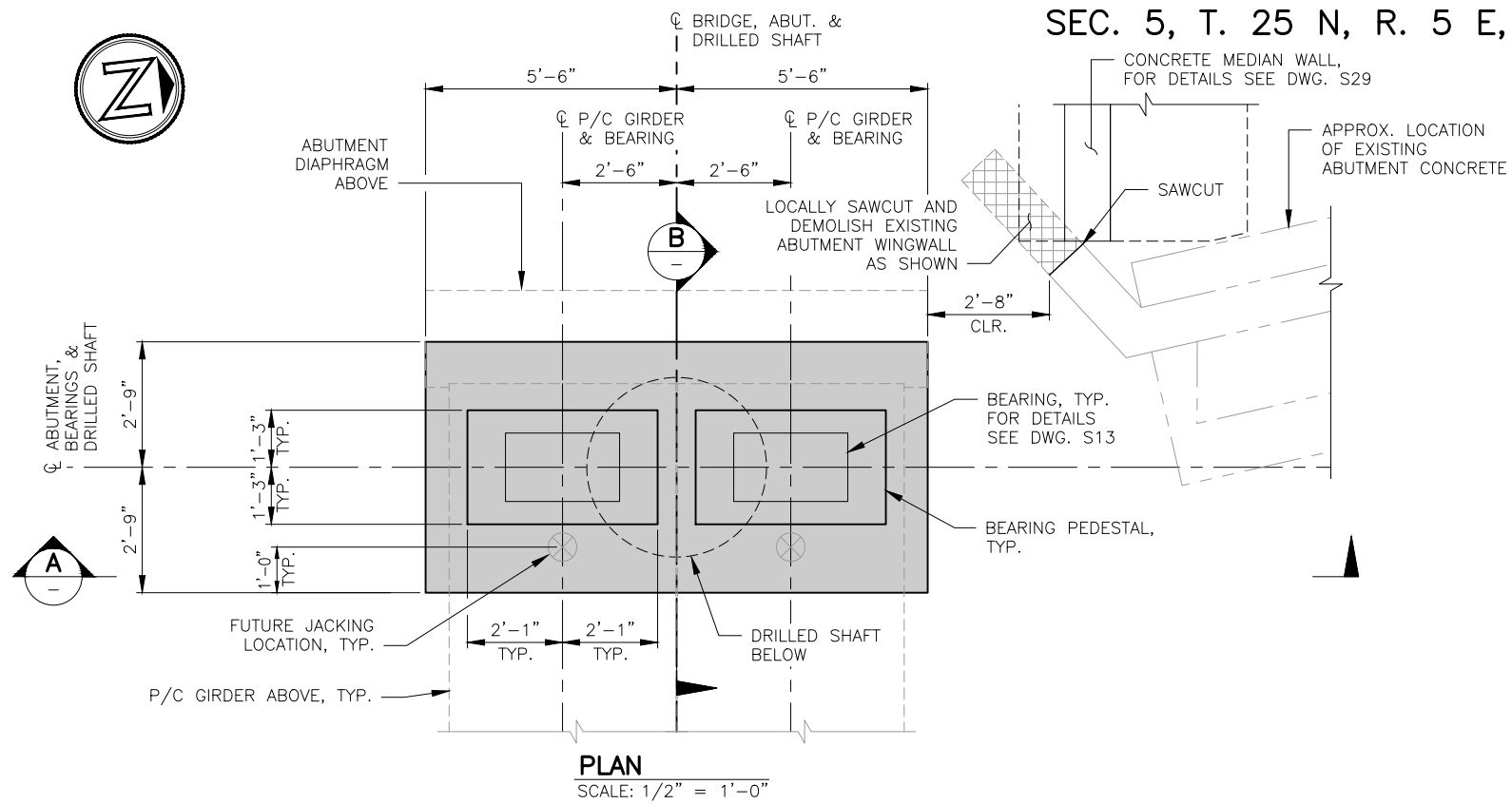
FILE	ENGR.	REVIEW	SCALE	DATE
1219-S7	CB	SV	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



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NE 85TH ST PED-BIKE CONNECTION
BRIDGE PLANS
DRILLED SHAFT DETAILS

SHEET
36
100

SEC. 5, T. 25 N, R. 5 E, W.M.



NOTES:
1. FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.

DWG. NO. S8



FILE	ENGR.	REVIEW	SCALE	DATE
1219-S8	CB	SV	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



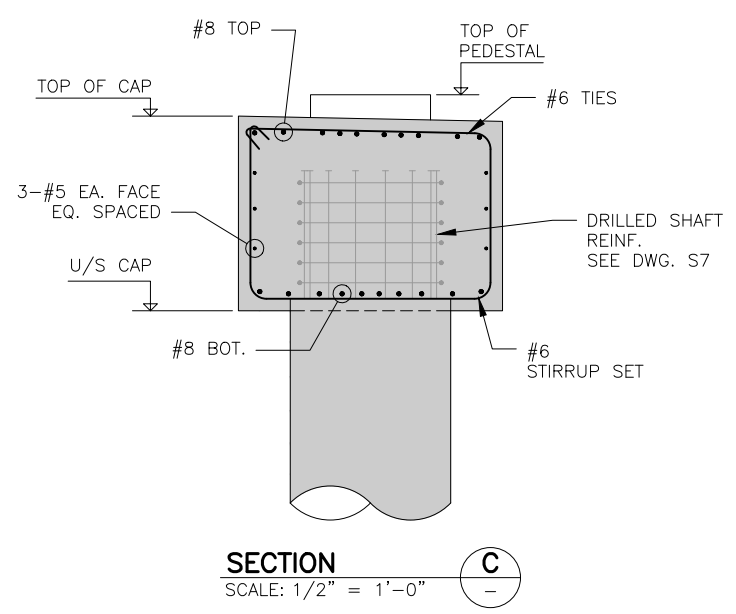
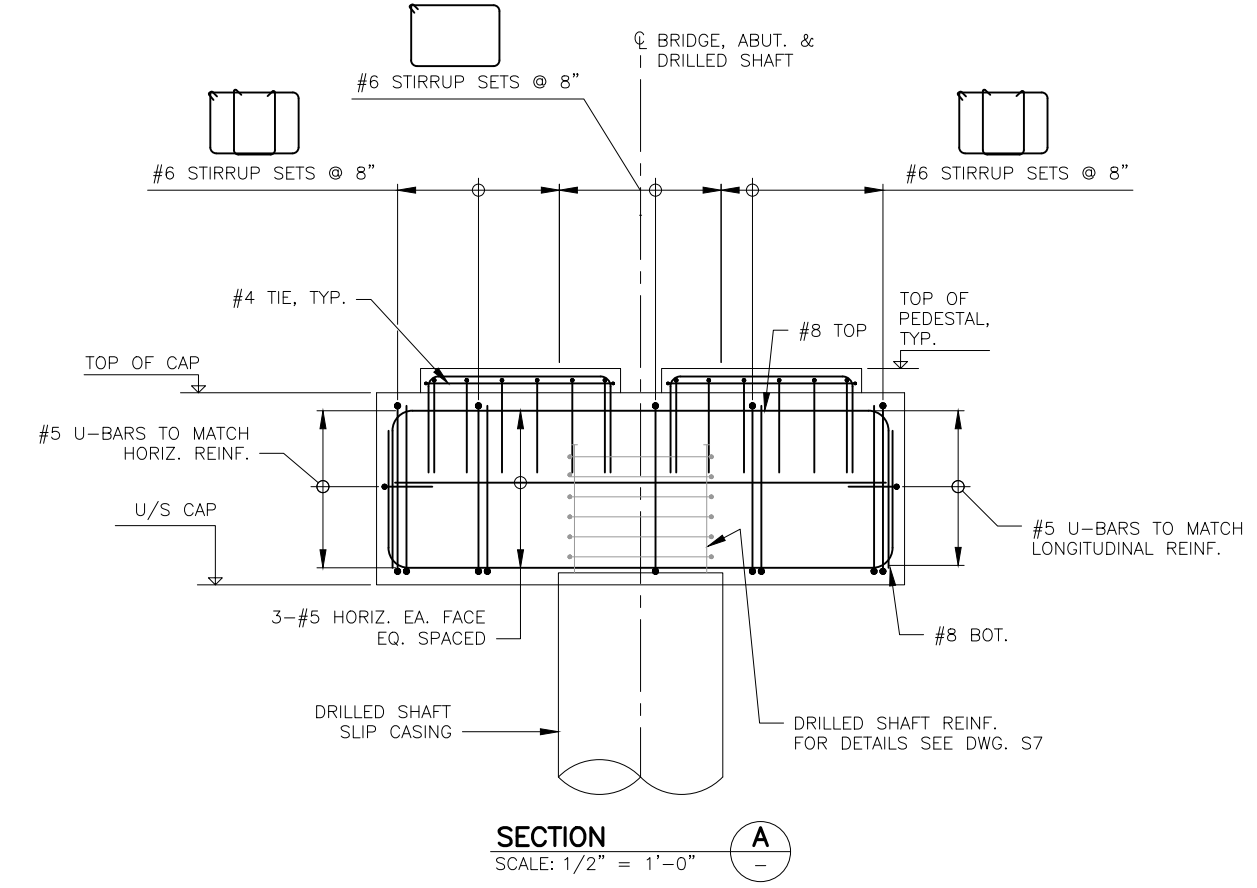
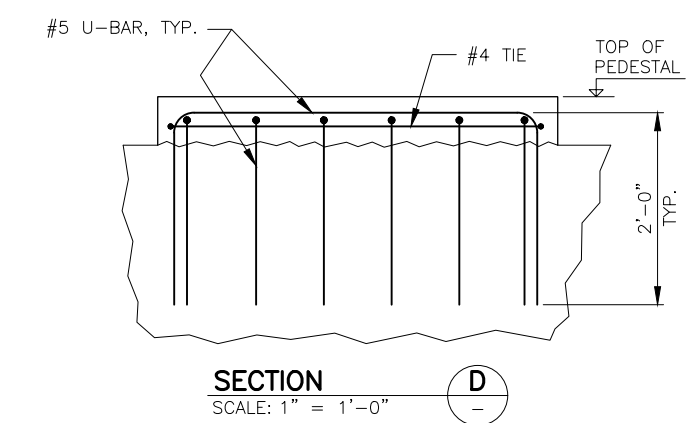
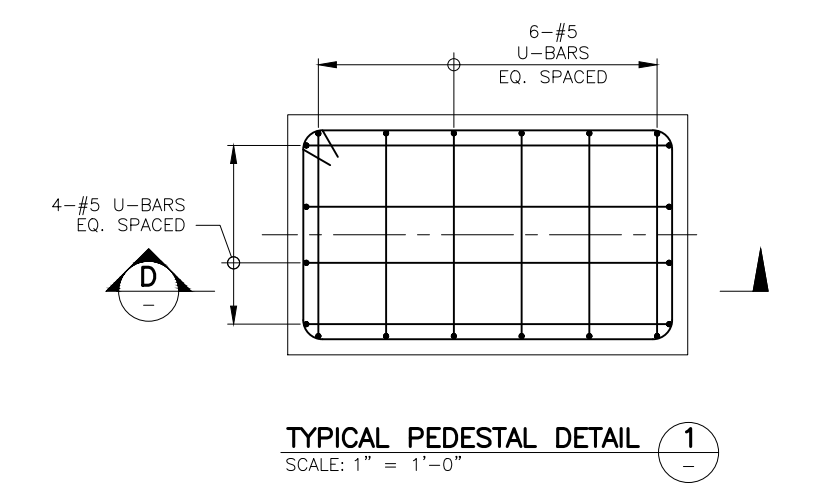
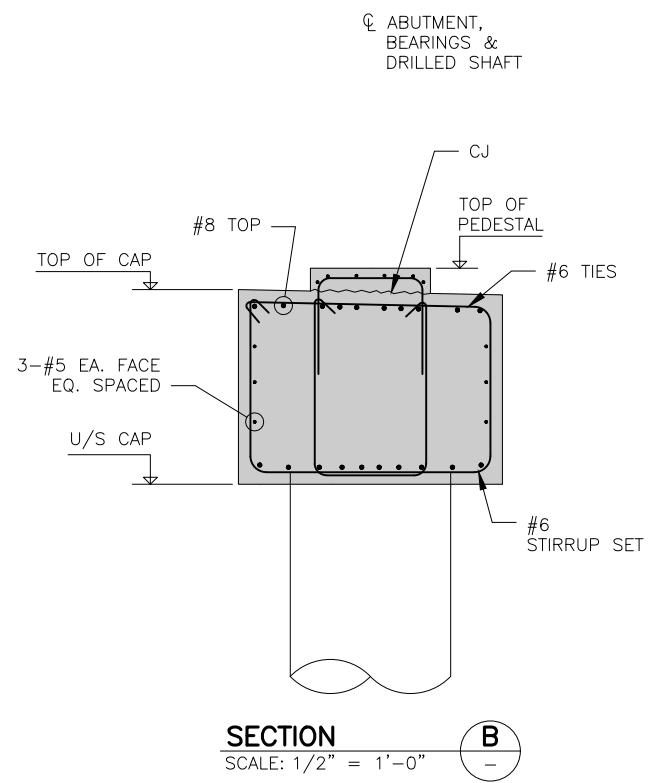
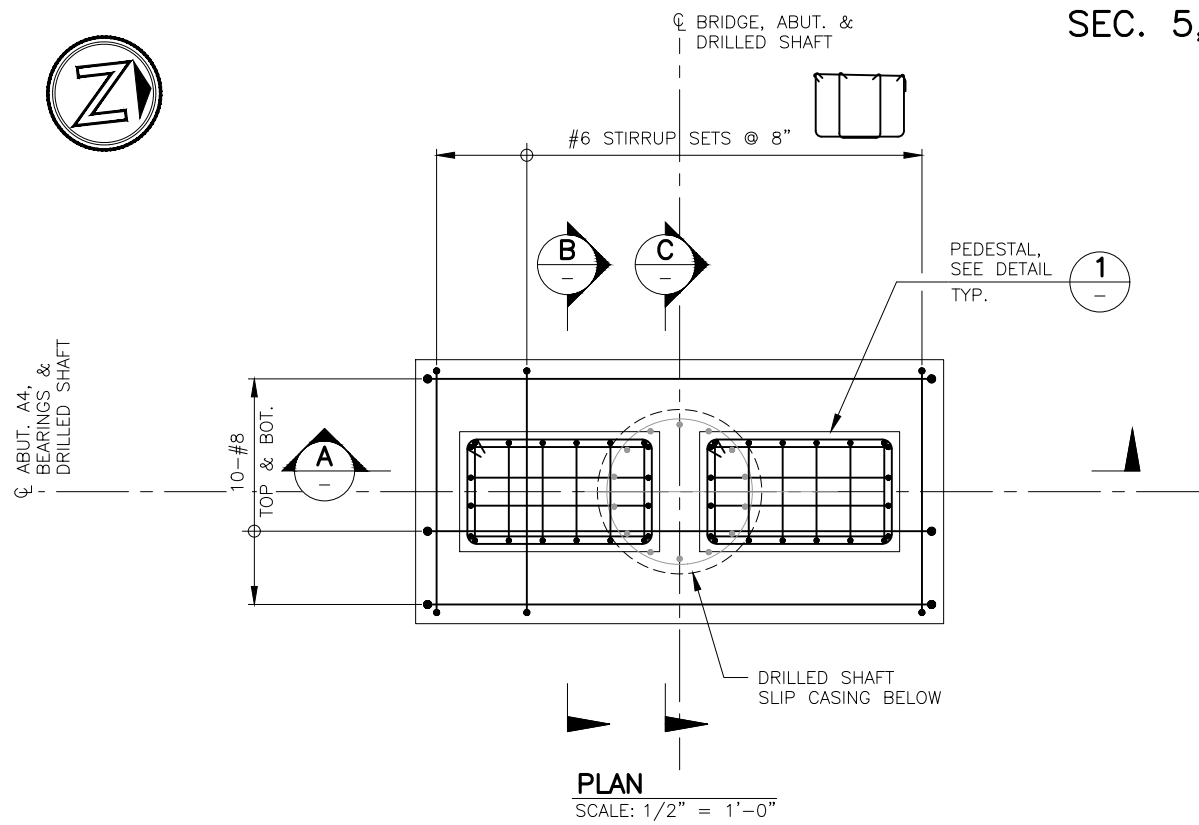
CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
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NE 85TH ST PED-BIKE CONNECTION

BRIDGE PLANS
ABUTMENT A1 - OUTLINE

SHEET
37
100

SEC. 5, T. 25 N, R. 5 E, W.M.

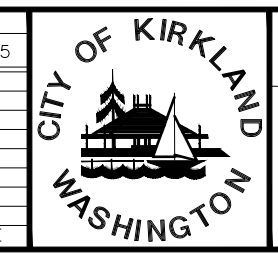


NOTES:
1. FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.

DWG. NO. S9



FILE	ENGR.	REVIEW	SCALE	DATE
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NO.	REVISION	BY	REVIEW	DATE



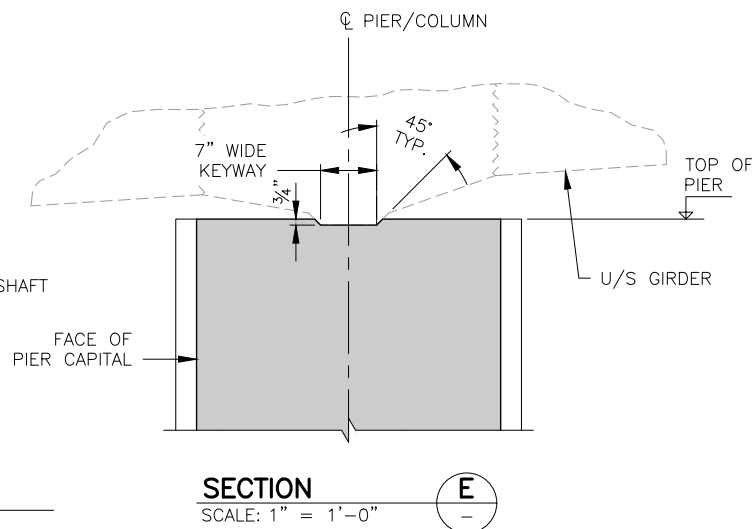
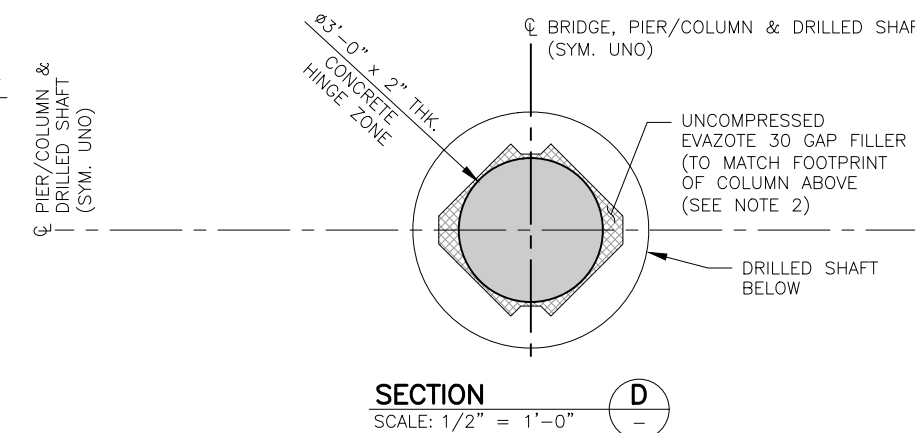
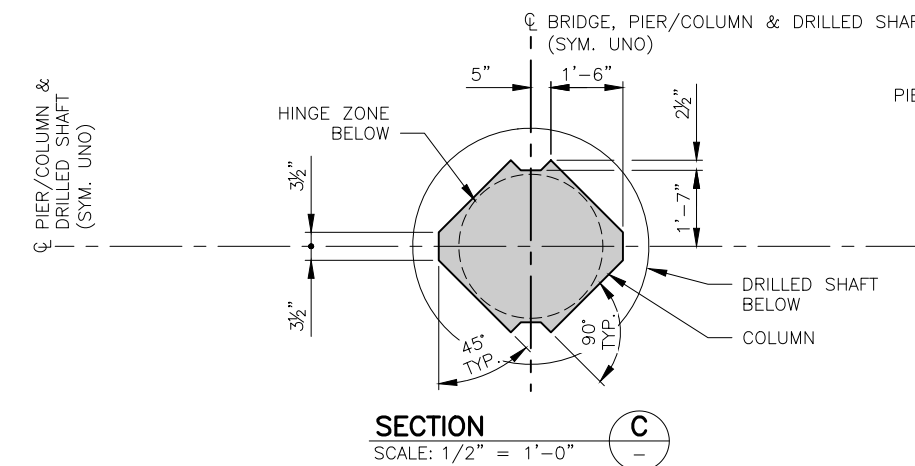
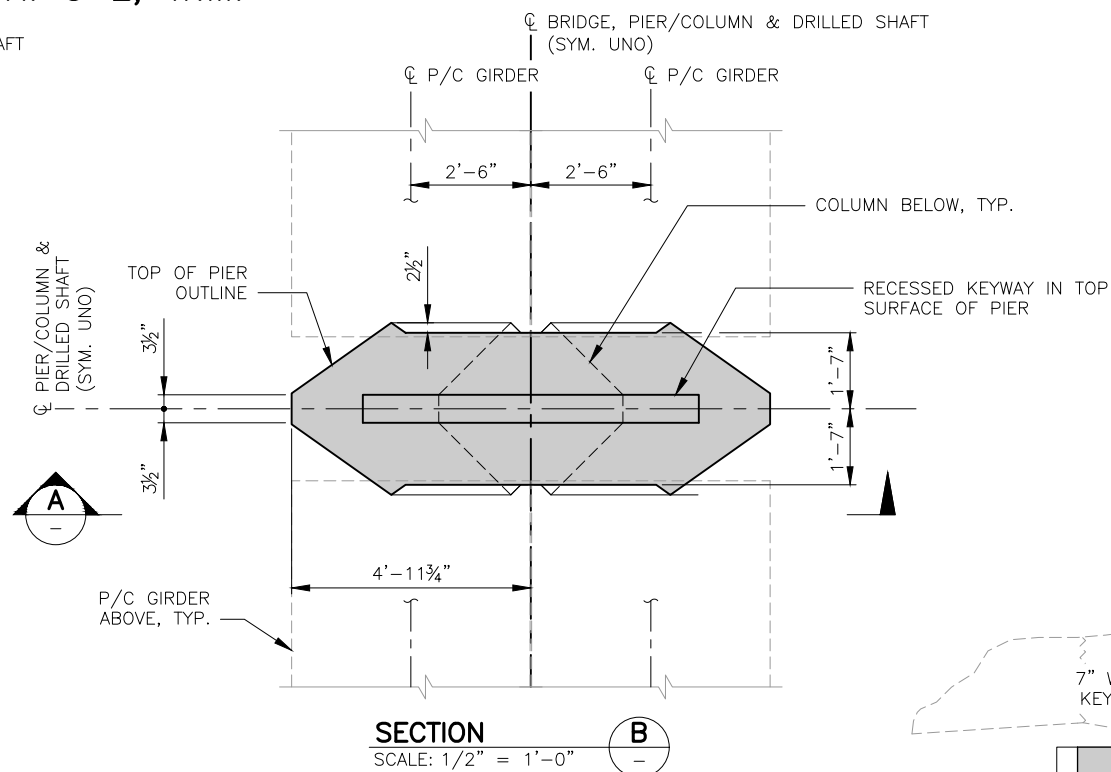
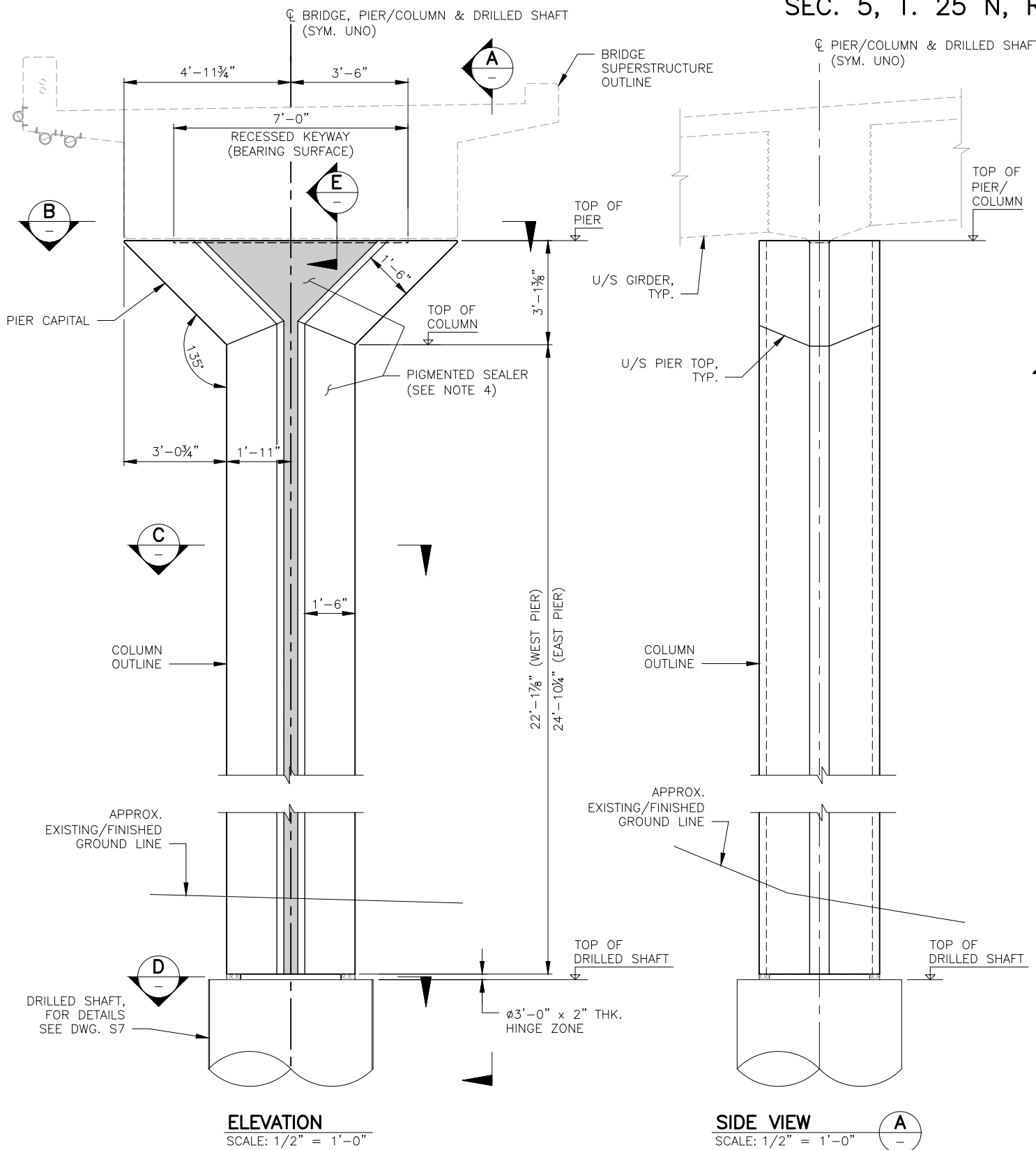
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NE 85TH ST PED-BIKE CONNECTION

BRIDGE PLANS
ABUTMENT A1 - REINFORCEMENT

SHEET
38
100

SEC. 5, T. 25 N, R. 5 E, W.M.



NOTES:

- FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
- GAP AT HINGE ZONE SHALL BE FORMED AND COLUMN ABOVE SHALL BE CAST PRIOR TO BEING FILLED WITH EVAZOTE.
- TEMPORARY GIRDER SHORING SHALL BE UTILIZED AT PIERS.
- SHADED REGION INDICATED ON THIS DWG. SHALL BE PAINTED WITH PIGMENTED SEALER WITH THE COLOR "MOUNT BAKER GREEN". ALL OTHER EXTERIOR CONCRETE SURFACES (EXCEPT TOP OF DECK) SHALL BE PAINTED WITH PIGMENTED SEALER IN THE COLOR "MOUNT ST. HELENS GREY".

DWG. NO. S10



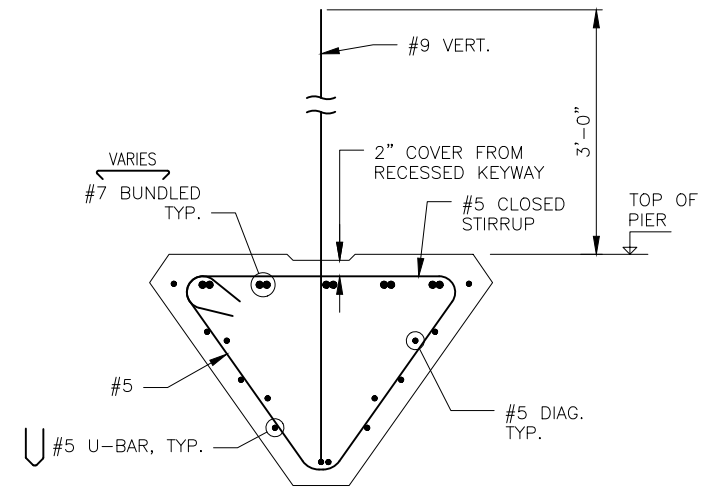
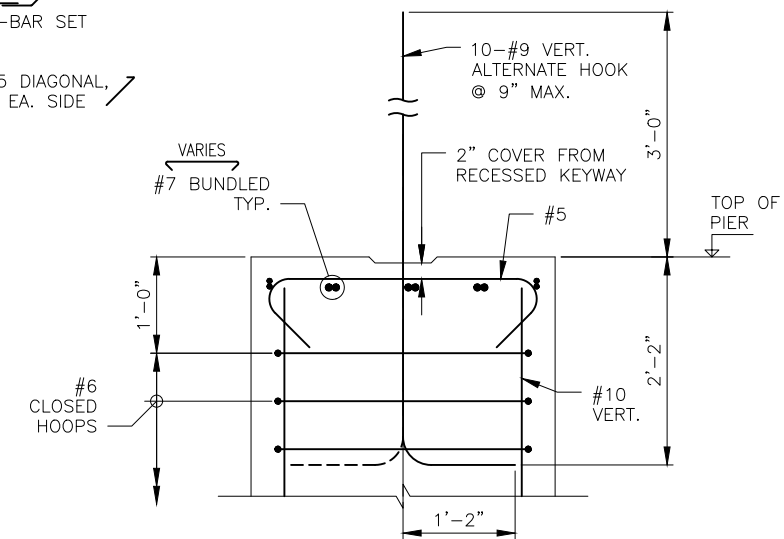
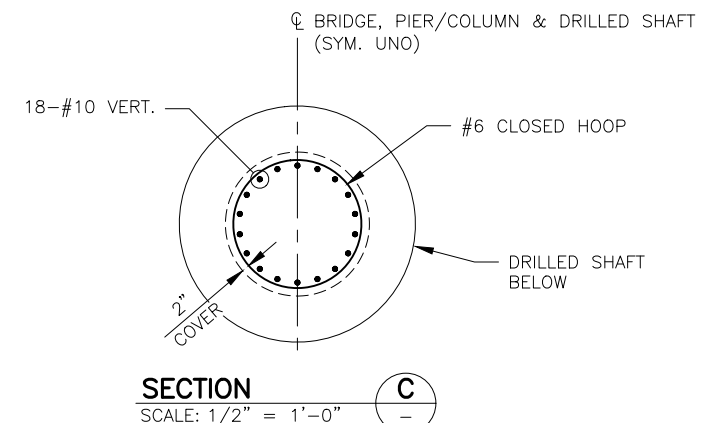
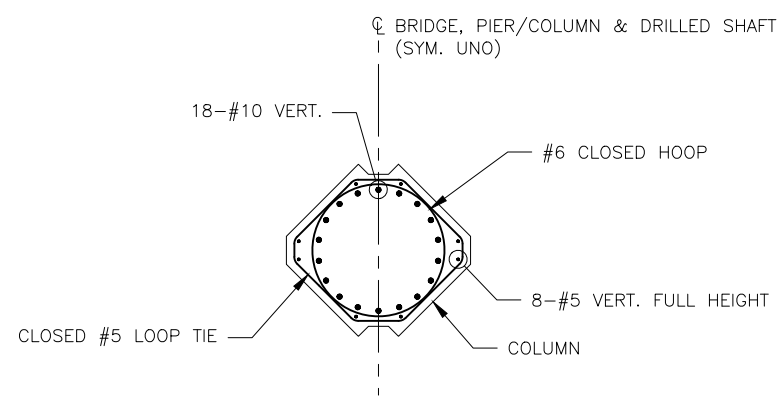
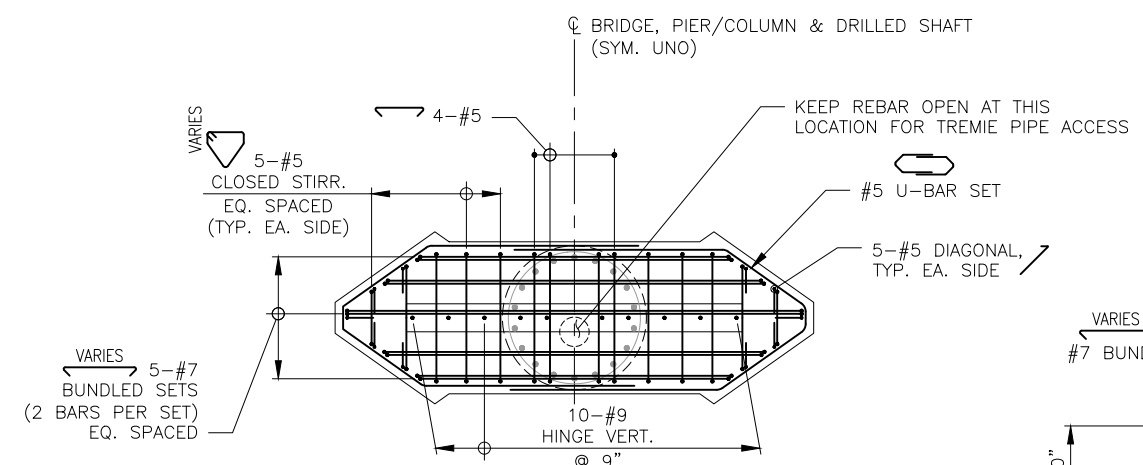
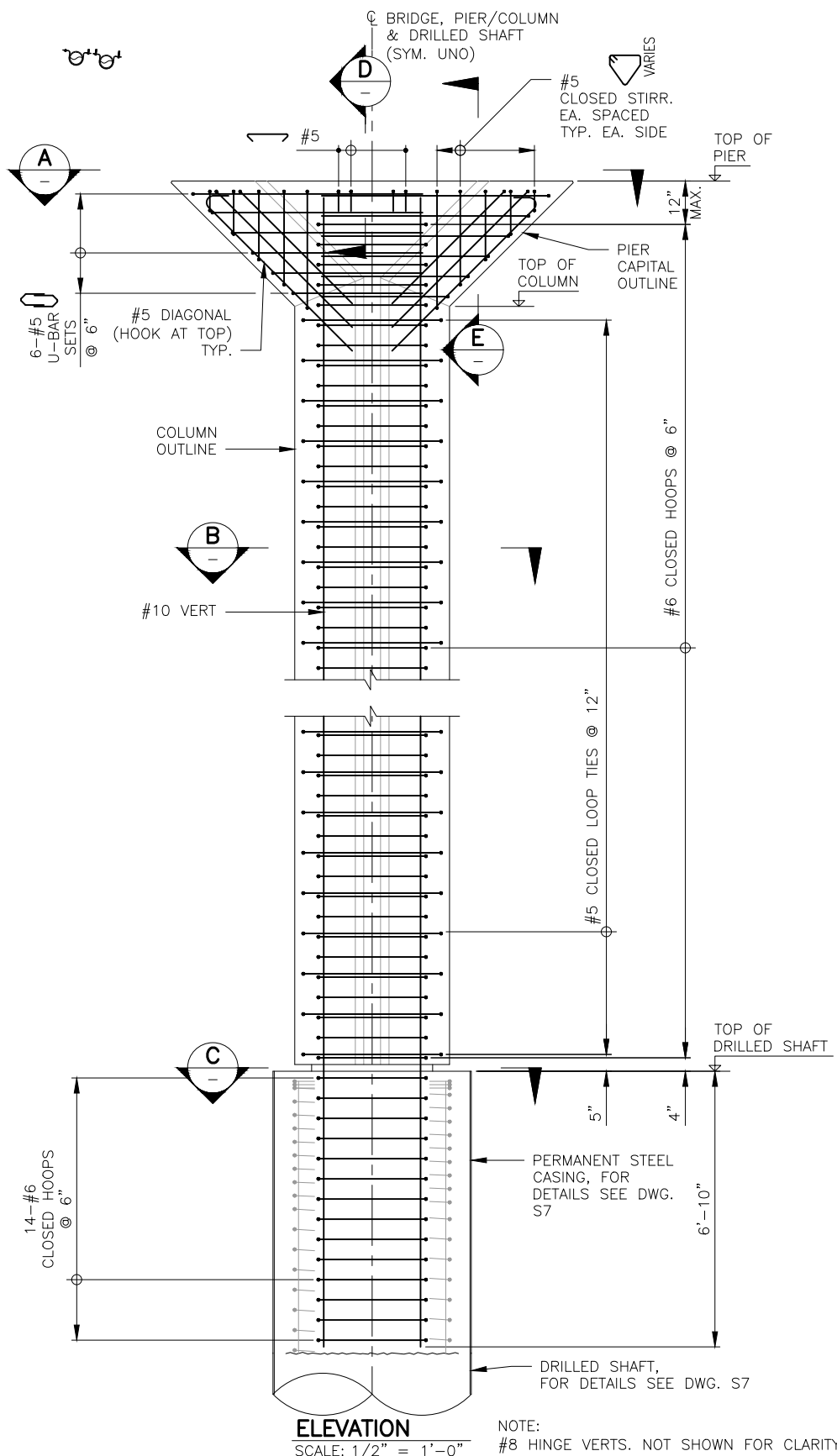
FILE	ENGR.	REVIEW	SCALE	DATE
1219-S10	CB	SV	AS SHOWN	JANUARY 2025
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NE 85TH ST PED-BIKE CONNECTION
BRIDGE PLANS
PIERS - OUTLINE

SHEET
39
100

SEC. 5, T. 25 N, R. 5 E, W.M.

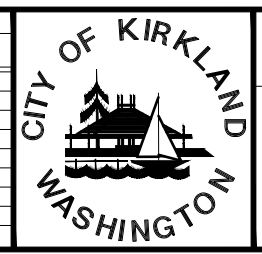


- NOTES:**
- FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
 - SPLICING OF VERTICAL REINFORCEMENT IN CIRCULAR COLUMN CAGE IS NOT PERMITTED.

DWG. NO. S11



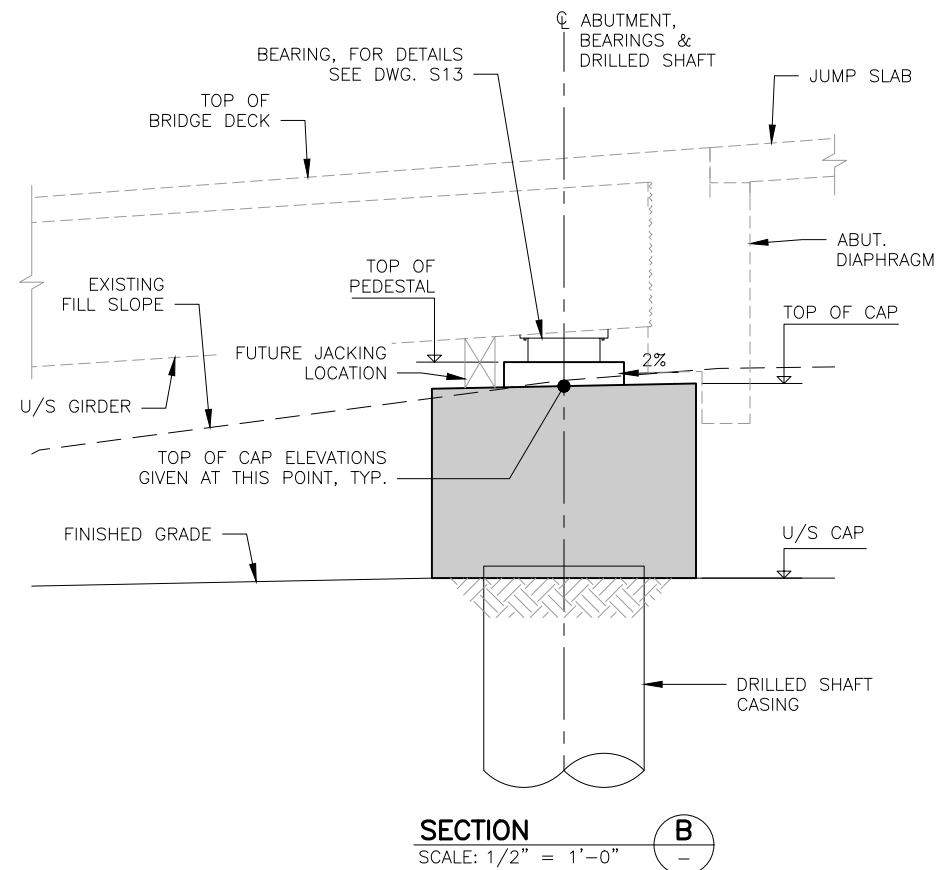
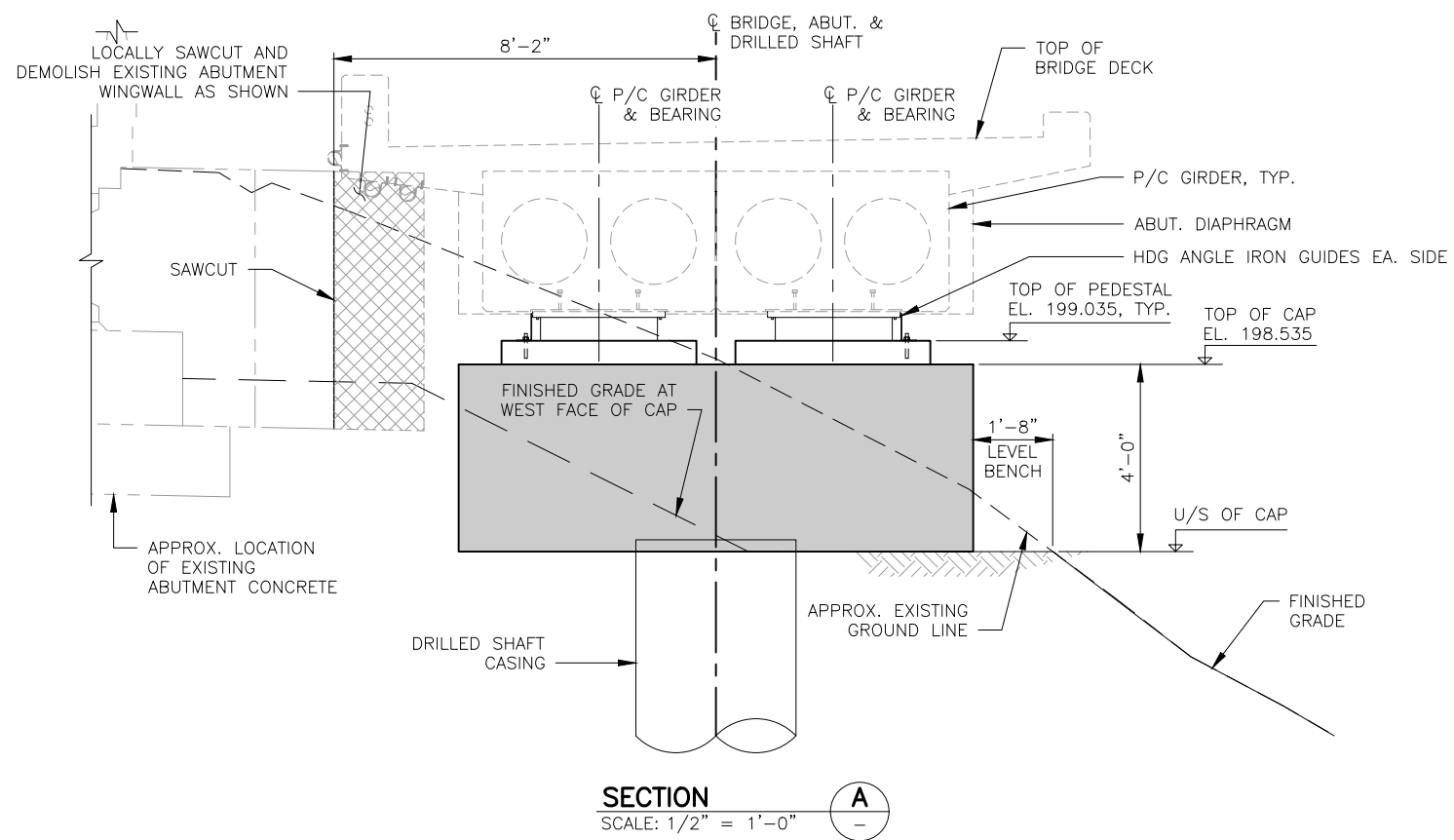
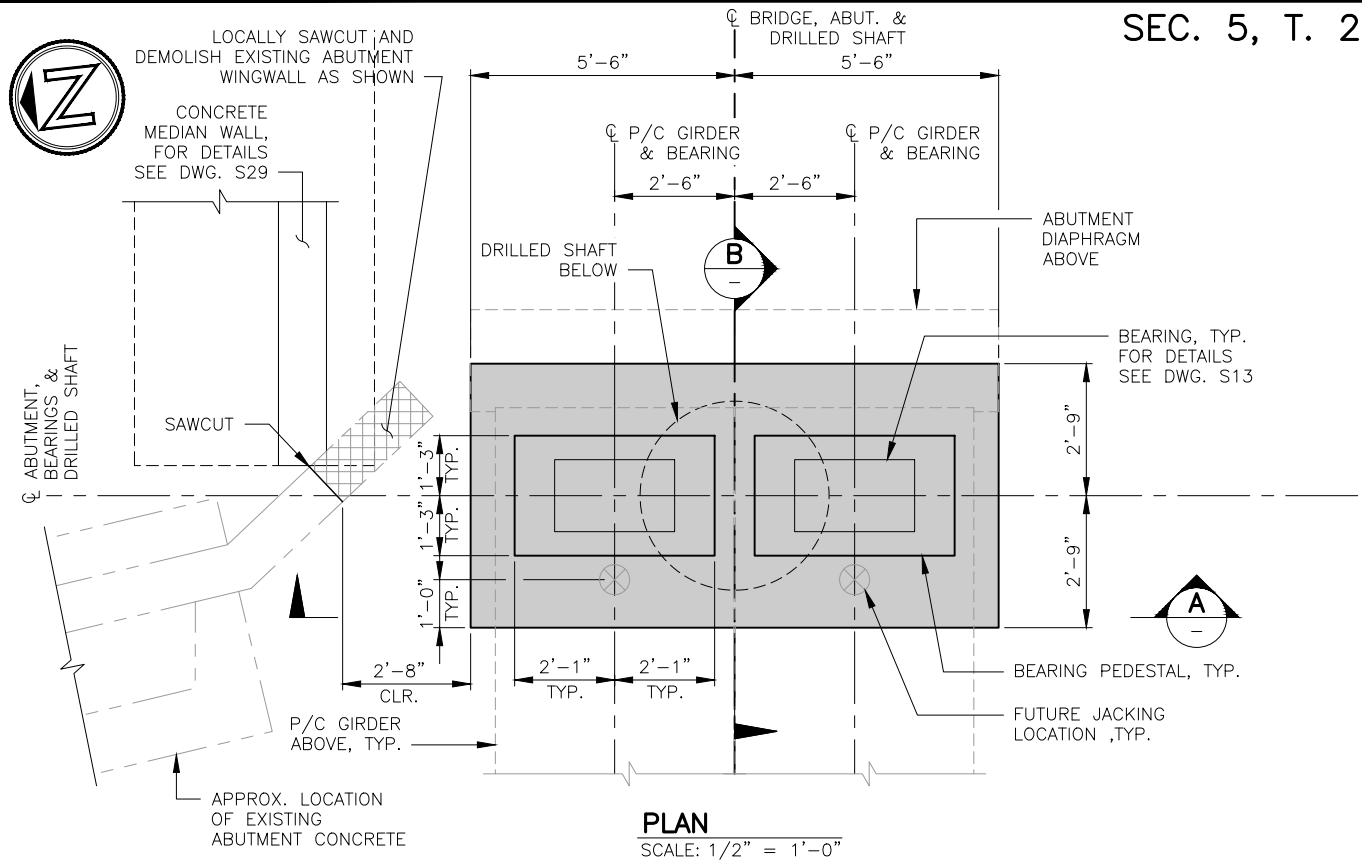
FILE	ENGR.	REVIEW	SCALE	DATE
1219-S11	CB	SV	AS SHOWN	JANUARY 2025
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NE 85TH ST PED-BIKE CONNECTION
BRIDGE PLANS
PIERS - REINFORCEMENT

SHEET
40
100

SEC. 5, T. 25 N, R. 5 E, W.M.



NOTES:

1. FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
2. REINFORCEMENT FOR ABUTMENT A4 SHALL MATCH ABUTMENT A1. FOR DETAILS SEE DWG. S9.

DWG. NO. S12



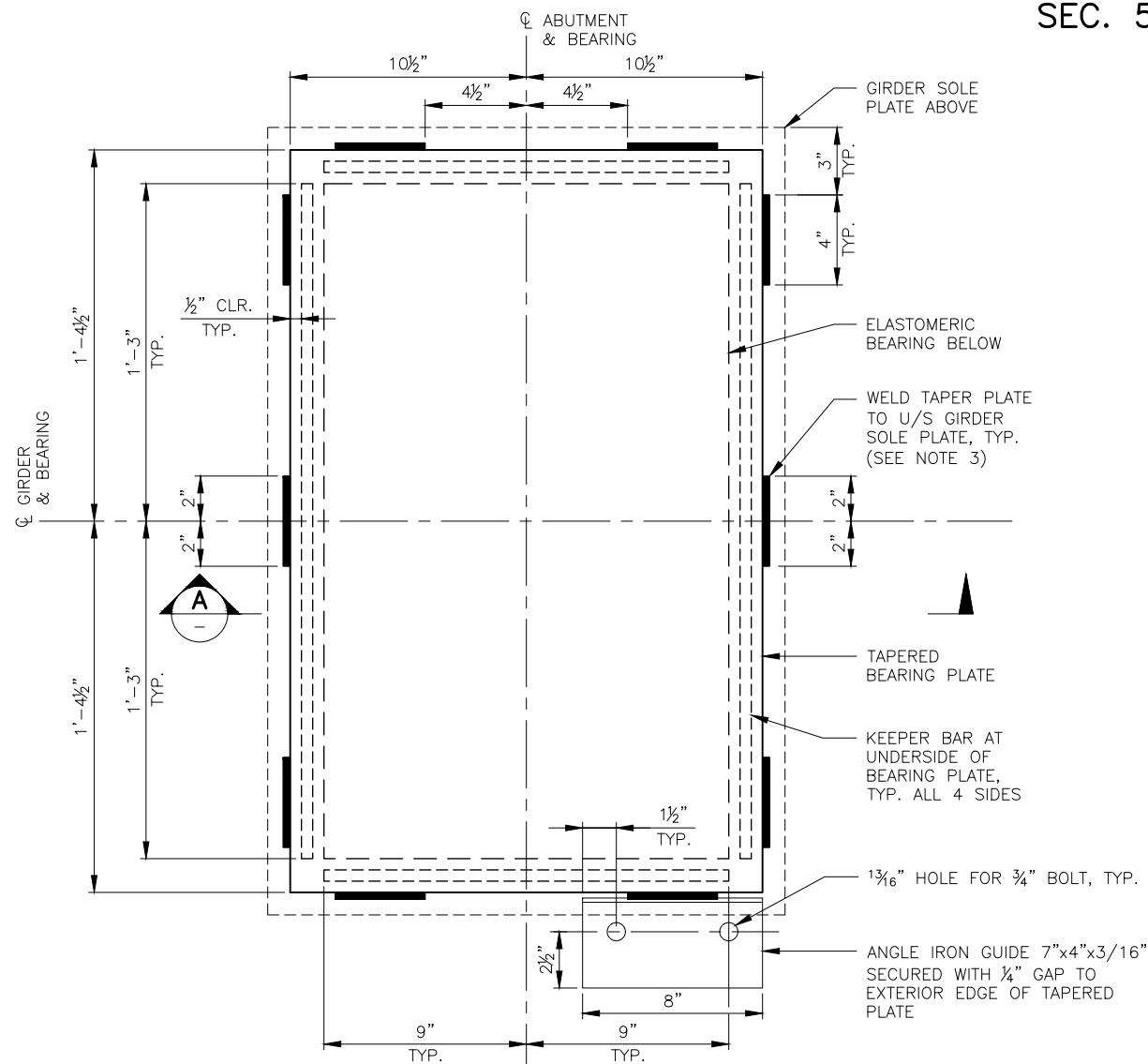
FILE	ENGR.	REVIEW	SCALE	DATE
1219-S12	CB	SV	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



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NE 85TH ST PED-BIKE CONNECTION
BRIDGE PLANS
ABUTMENT A4 - OUTLINE

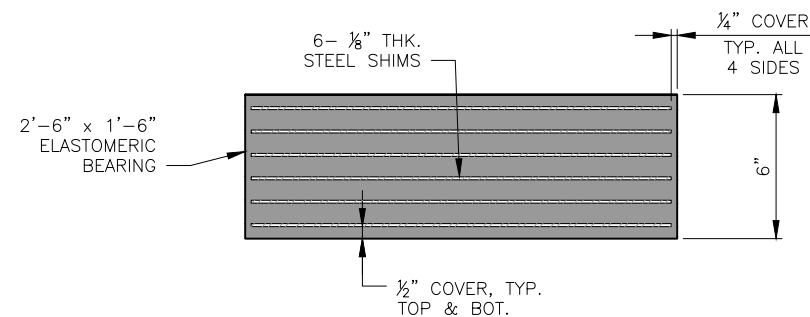
SHEET
41
100

SEC. 5, T. 25 N, R. 5 E, W.M.



PLAN - TYP. ABUTMENT BEARING ASSEMBLY

SCALE: 3" = 1'-0"

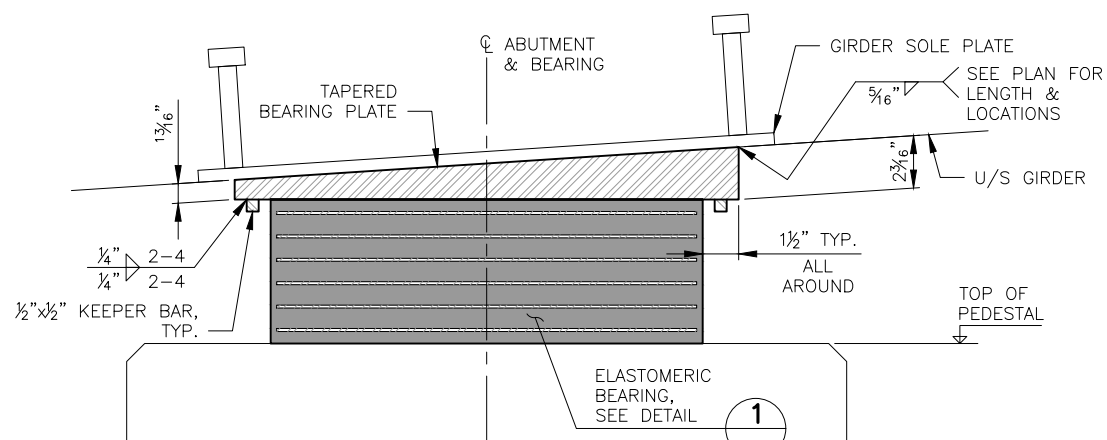


ELASTOMERIC BEARING DETAIL 1

SCALE: 3" = 1'-0"

TABLE S13-1 - BEARING DESIGN TABLE

SERVICE I LIMIT STATE	ABUT. A1		ABUT. A4	
	GIRDER A	GIRDER B	GIRDER A	GIRDER B
DEAD LOAD REACTION (KIPS)	69	69	82	82
LIVE LOAD REACTION (W/O IMPACT) (KIPS)	20	20	25	25
UNLOADED HEIGHT (INCHES)	6.00	6.00	6.00	6.00
LOADED HEIGHT (INCHES)	5.96	5.96	5.96	5.96
SHEAR MODULES (PSI)	165	165	165	165



SECTION A

SCALE: 3" = 1'-0"

NOTES:

- FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
- TAPERED PLATE ASSEMBLY MUST BE HOT DIPPED GALVANIZED.
- STRIP GALVANIZING BEFORE WELDING IF TAPERED PLATE IS ATTACHED FOLLOWING GIRDER FABRICATION.

DWG. NO. S13



FILE	ENGR.	REVIEW	SCALE	DATE
1219-S13	CB	SV	AS SHOWN	JANUARY 2025
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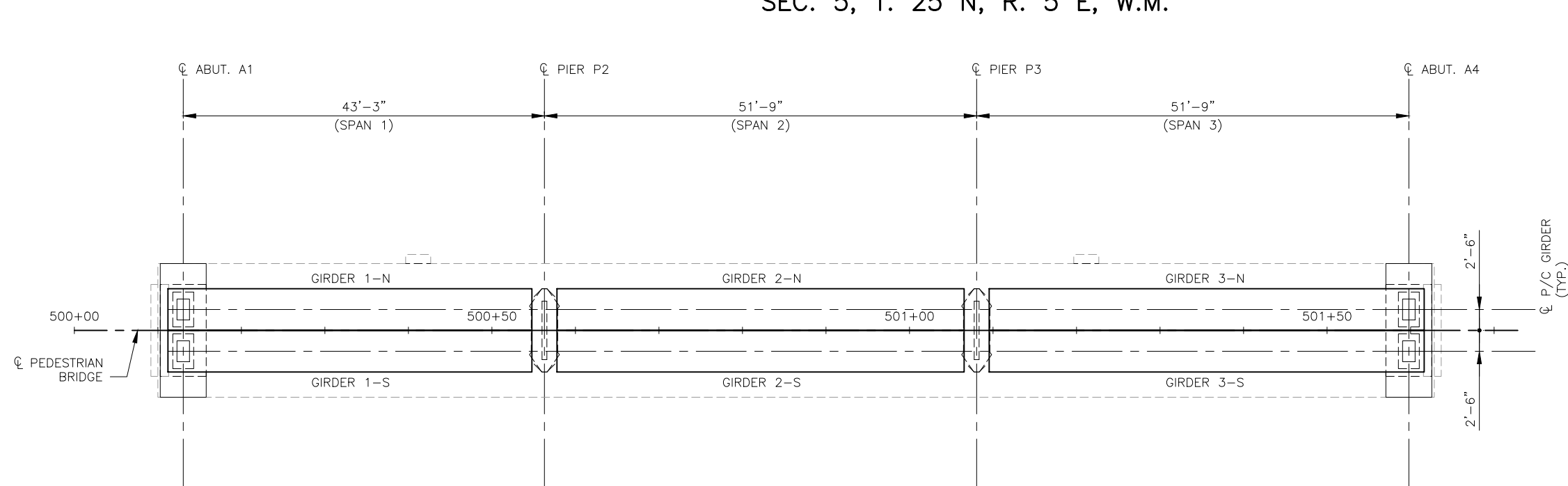
NE 85TH ST PED-BIKE CONNECTION

BRIDGE PLANS
BEARINGS

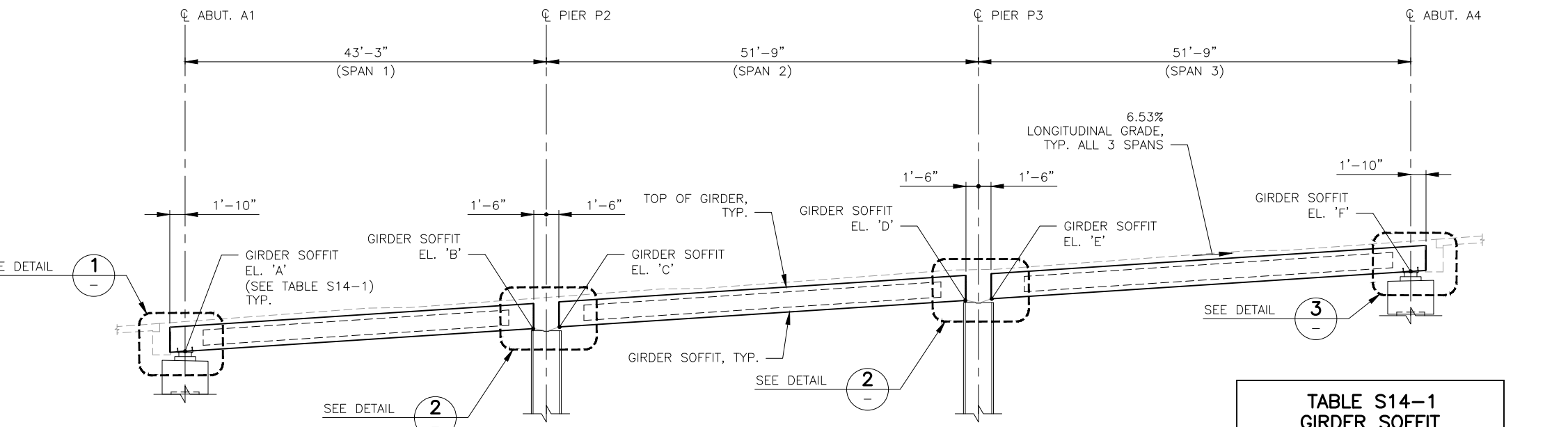
SHEET

42 / 100

SEC. 5, T. 25 N, R. 5 E, W.M.



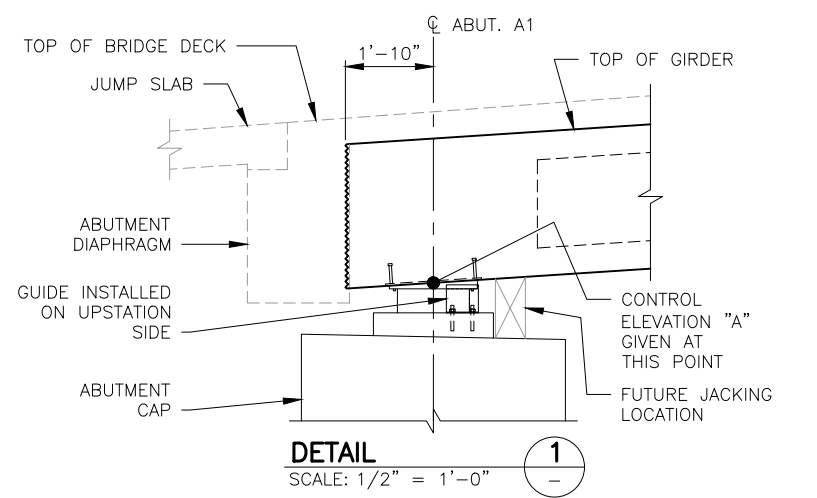
PLAN
SCALE: 1/8" = 1'-0"



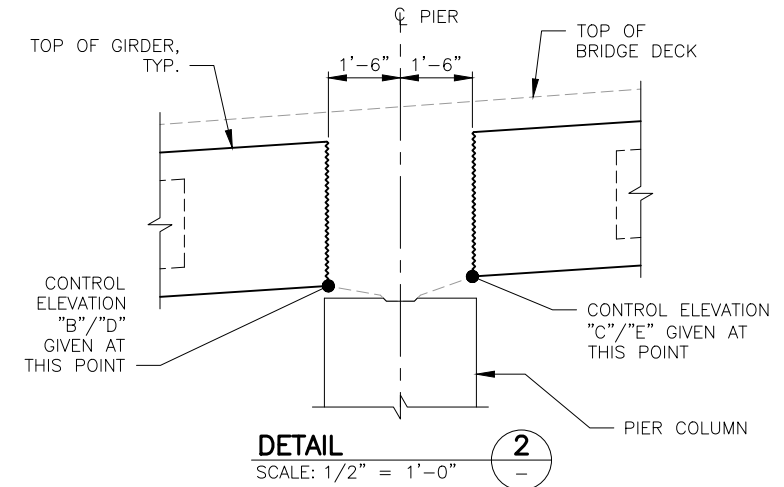
ELEVATION
SCALE: 1/8" = 1'-0"

**TABLE S14-1
GIRDER SOFFIT
CONTROL ELEVATIONS**

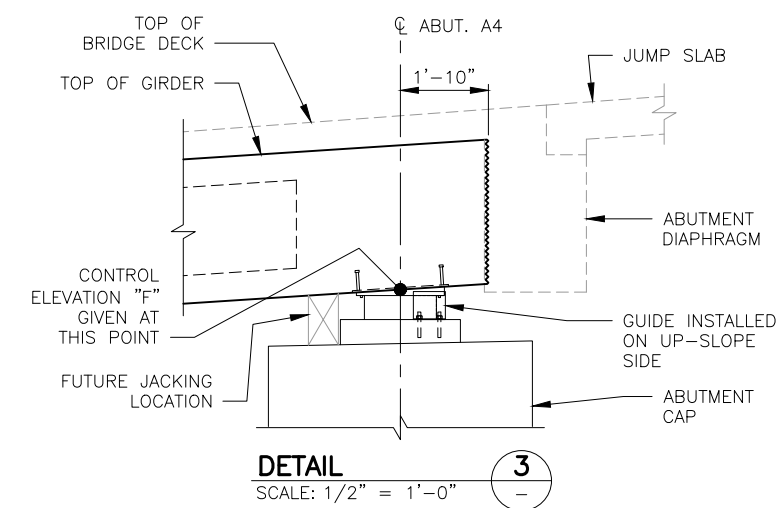
LOCATION	ELEVATION (ft.)
"A"	190.086
"B"	192.810
"C"	193.006
"D"	196.186
"E"	196.382
"F"	199.660



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



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



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

- NOTES:**
- FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
 - SEE "CONSTRUCTION STAGING" DRAWINGS.

DWG. NO. S14



FILE	ENGR.	REVIEW	SCALE	DATE
1219-S14-S17	CB	SV	AS SHOWN	JANUARY 2025
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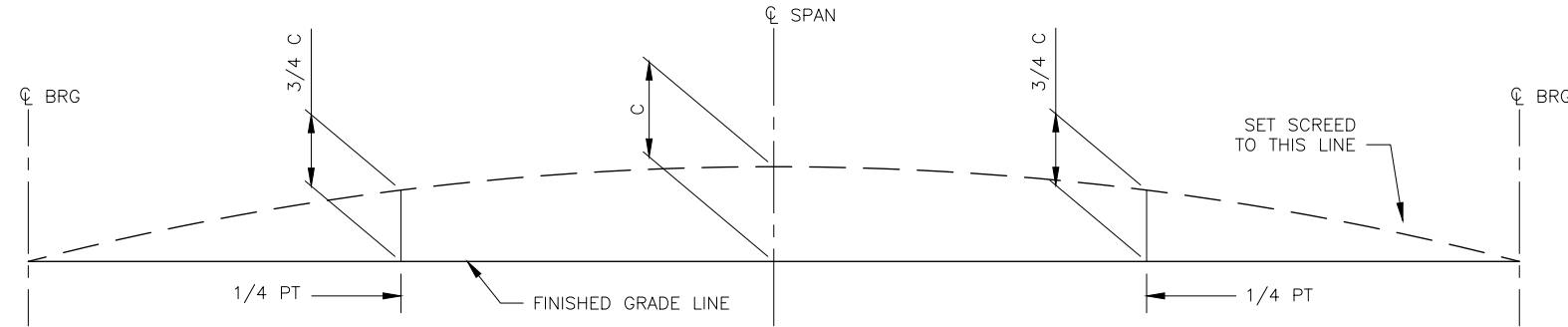
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BRIDGE PLANS
GIRDER LAYOUT

SHEET
43
100

SEC. 5, T. 25 N, R. 5 E, W.M.

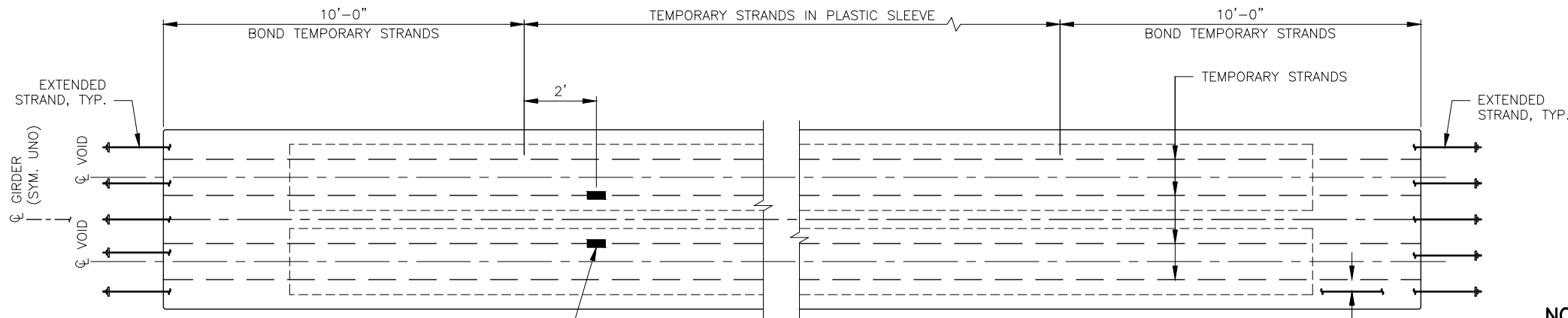
GIRDER SCHEDULE

SPAN	GIRDER	GIRDER HEIGHT "H"	GIRDER WIDTH "W"	LENGTH ALONG GIRDER GRADE (SEE GIRDER NOTE 2)	VOIDS		GIRDER END DETAILS		MIN. CONC. COMP. STRENGTH		PRESTRESSING STRANDS (SEE GIRDER NOTES 3-4)						"A" DIMENSION AT ϕ BEARINGS	DECK SCREED CAMBER "C"	MIDSPAN VERTICAL DEFLECTION "D"		TRANSVERSE REINFORCEMENT						LONGITUDINAL REINFORCEMENT			SHIPPING AND HANDLING DETAILS														
					NUMBER	DIAMETER	END 1 TYPE	END 2 TYPE	$\theta 1$	$\theta 2$	AT 28-DAY, F'C (KSI)	AT RELEASE, F'C (KSI)	ROW 1			ROW 2			TOP ROW		LOWER BOUND @ 40 DAYS	UPPER BOUND @ 120 DAYS	ZONE 1		ZONE 2		ZONE 3		G1 (TOP)		G2 (BOT)		L	L1	L2	K_{θ} MINIMUM SHIPPING SUPPORT ROTATIONAL SPRING CONSTANT (KIP-IN/RAD)	W_{cc} MINIMUM SHIPPING SUPPORT CNTR.-TO-CNTR. WHEEL SPACING							
													PERMANENT STRANDS	EXTENDED NUMBER AND LENGTH	DEBONDED NUMBER AND LENGTH	PERMANENT STRANDS			EXTENDED NUMBER AND LENGTH	DEBONDED NUMBER AND LENGTH			PERMANENT STRANDS	TEMPORARY STRANDS	BAR SIZE	SPACING	LENGTH	BAR SIZE	SPACING	LENGTH	BAR SIZE	SPACING						LENGTH	BAR SIZE	NO. OF BARS	BAR SIZE	NO. OF BARS		
1	N/S	36"	4'-11 $\frac{1}{8}$ "	43'-8 $\frac{3}{8}$ "	2	1'-10"	A	C	90	90	7.5	6.0	14	5@2'-0"	-	-	-	-	2	2	MIN. 6"	$\frac{1}{8}$ "	$\frac{1}{8}$ "	$\frac{1}{4}$ "	#5	3"	1'-0"	#5	6"	10'-0"	#5	18"	-	#4	6	#4	6	#4	6	3'-0"	3'-0"	3'-0"	40000	6'-0"
2	N/S	36"	4'-11 $\frac{1}{8}$ "	48'-10 $\frac{5}{8}$ "	2	1'-10"	C	C	90	90	7.5	6.0	16	5@2'-0"	-	-	-	-	2	2	MIN. 6"	$\frac{1}{8}$ "	$\frac{1}{8}$ "	$\frac{1}{4}$ "	#5	3"	1'-0"	#5	6"	10'-0"	#5	18"	-	#4	6	#4	6	#4	6	3'-0"	3'-0"	3'-0"	40000	6'-0"
3	N/S	36"	4'-11 $\frac{1}{8}$ "	52'-2 $\frac{5}{8}$ "	2	1'-10"	C	A	90	90	7.5	6.0	16	5@2'-0"	-	-	-	-	2	2	MIN. 6"	$\frac{1}{8}$ "	$\frac{1}{8}$ "	$\frac{1}{4}$ "	#5	3"	1'-0"	#5	6"	10'-0"	#5	18"	-	#4	6	#4	6	#4	6	3'-0"	3'-0"	3'-0"	40000	6'-0"



SCREED SETTING DIMENSIONS

SCALE: NTS
FOR DIMENSION "C" SEE GIRDER SCHEDULE



PLAN - TYPICAL GIRDER

SCALE: NTS

NOTES:

- FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
- FABRICATOR SHALL INCREASE GIRDER LENGTH AS NECESSARY TO COMPENSATE FOR SHORTENING DUE TO PRESTRESS AND SHRINKAGE.
- ALL STRANDS MUST BE 0.6# AASHTO M203 GRADE 270 LOW RELAXATION STRANDS, JACKED TO 202.5 KSI. STRANDS MUST BE SYMMETRICAL ABOUT THE GIRDER CENTERLINE. ALL STRANDS MUST BE FULLY BONDED.
- STRANDS MUST BE SPACED EVENLY ACROSS GIRDER WIDTH. STAGGER EXTENDED STRAND LOCATIONS WITH RESPECT TO GIRDER IN ADJACENT SPANS.
- ALL REINFORCING SPLICES MUST BE 2'-0" LONG MINIMUM, UNLESS OTHERWISE SHOWN.

DWG. NO. S15



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1219-S14-S17	CB	SV	AS SHOWN	JANUARY 2025
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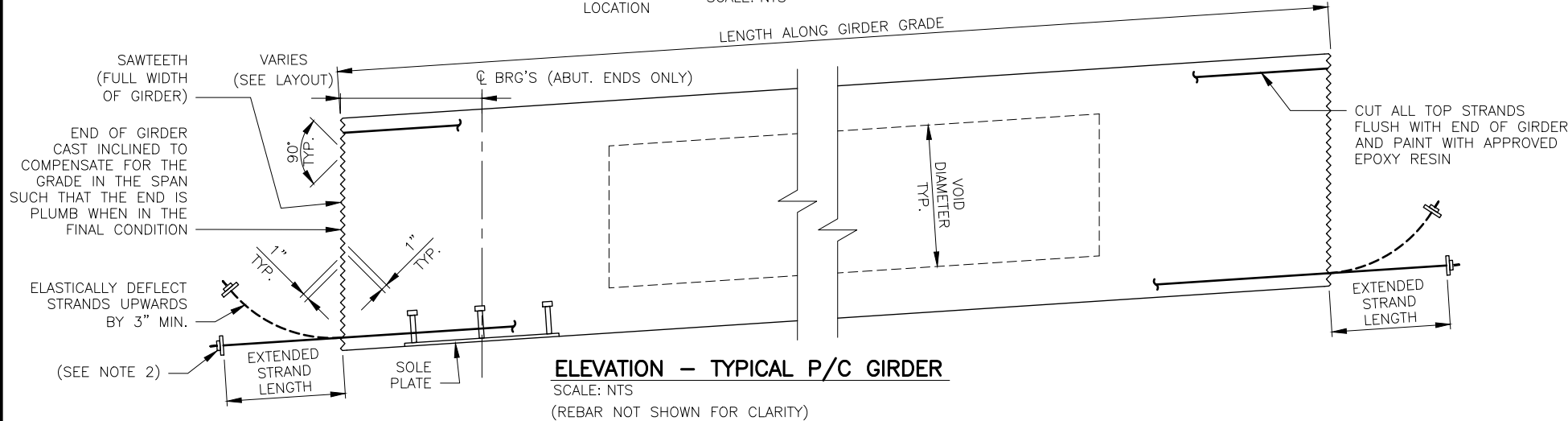
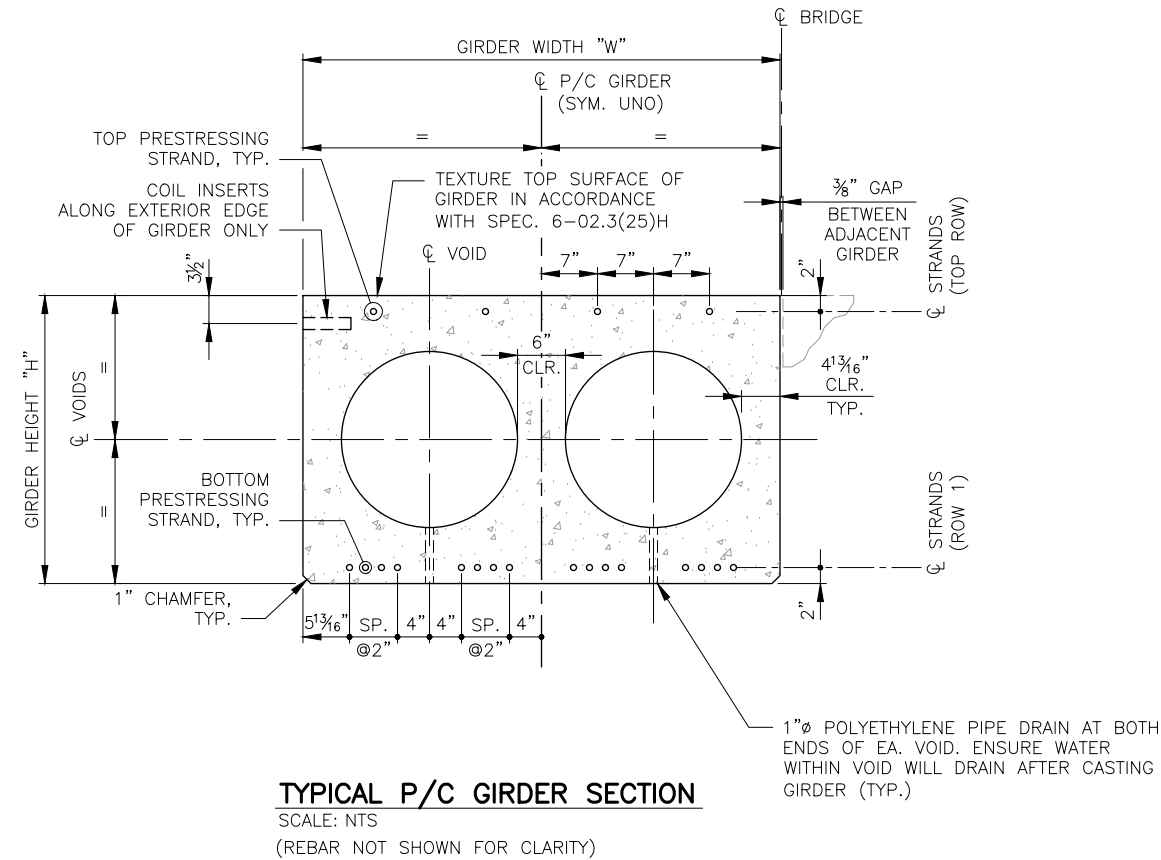
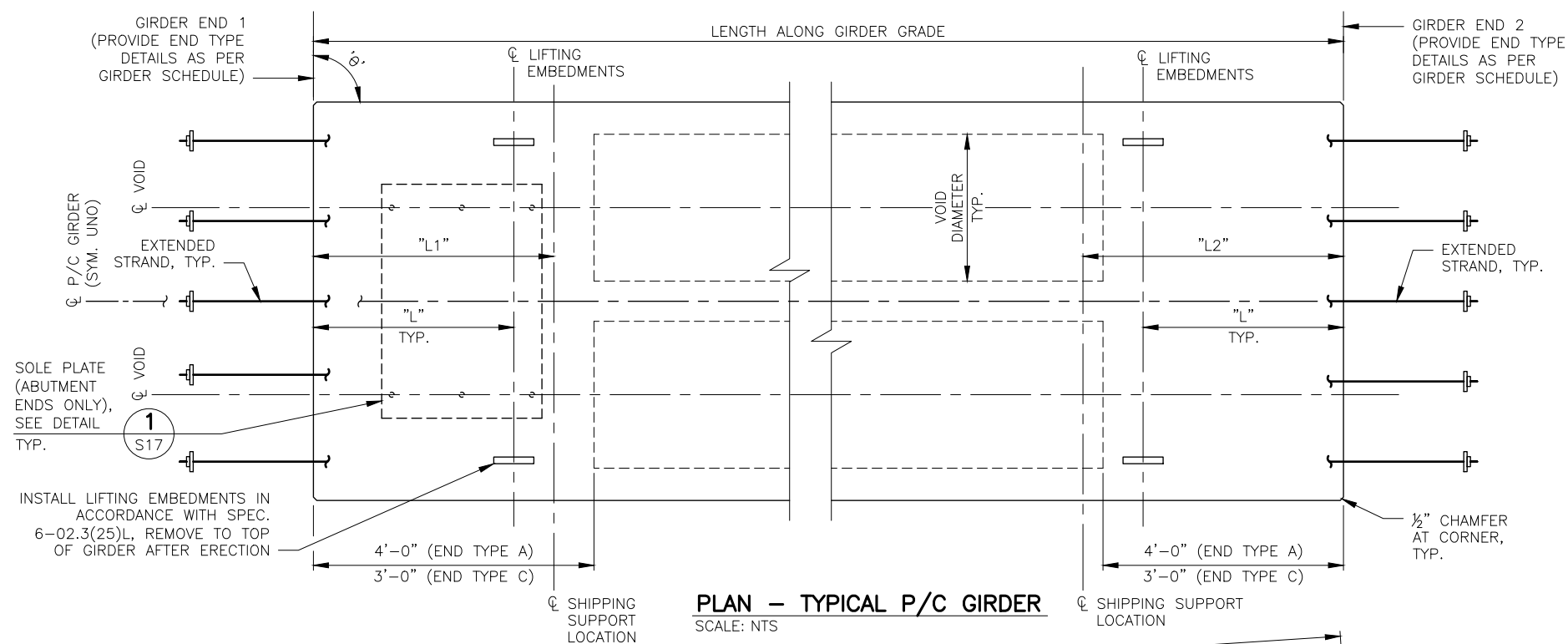


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BRIDGE PLANS
GIRDER DETAILS - SHEET 1

SHEET

44
100

SEC. 5, T. 25 N, R. 5 E, W.M.



NOTES:

- FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
- ALL EXTENDED STRANDS SHALL BE EITHER: 1) TACK WELDED TO A CHUCK COMPRISED OF ASTM A36 \square 4"x4"x $\frac{1}{2}$ " WITH $\frac{3}{4}$ " ϕ HOLE, OR 2) ASTM A108 STEEL STRAND ANCHOR WITH STRAND GRIPS SEATED TIGHTLY IMMEDIATELY BEFORE PLACING DIAPHRAGM CONCRETE. SECURELY TIE DEFLECTED STRANDS/ANCHOR TO THE ADJACENT REBAR CAGE TO PREVENT DISPLACEMENT DURING CONCRETE POUR.
- COIL INSERTS IN GIRDER SHALL MATCH SPACING OF DECK SOFFIT REBAR AND BE APPROVED BY EOR.
- SEE S17 FOR GIRDER MILD REINFORCEMENT AT ENDS.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE GIRDER SCHEDULE ON DWG. S15 AND WITH DWG. S17.

DWG. NO. S16



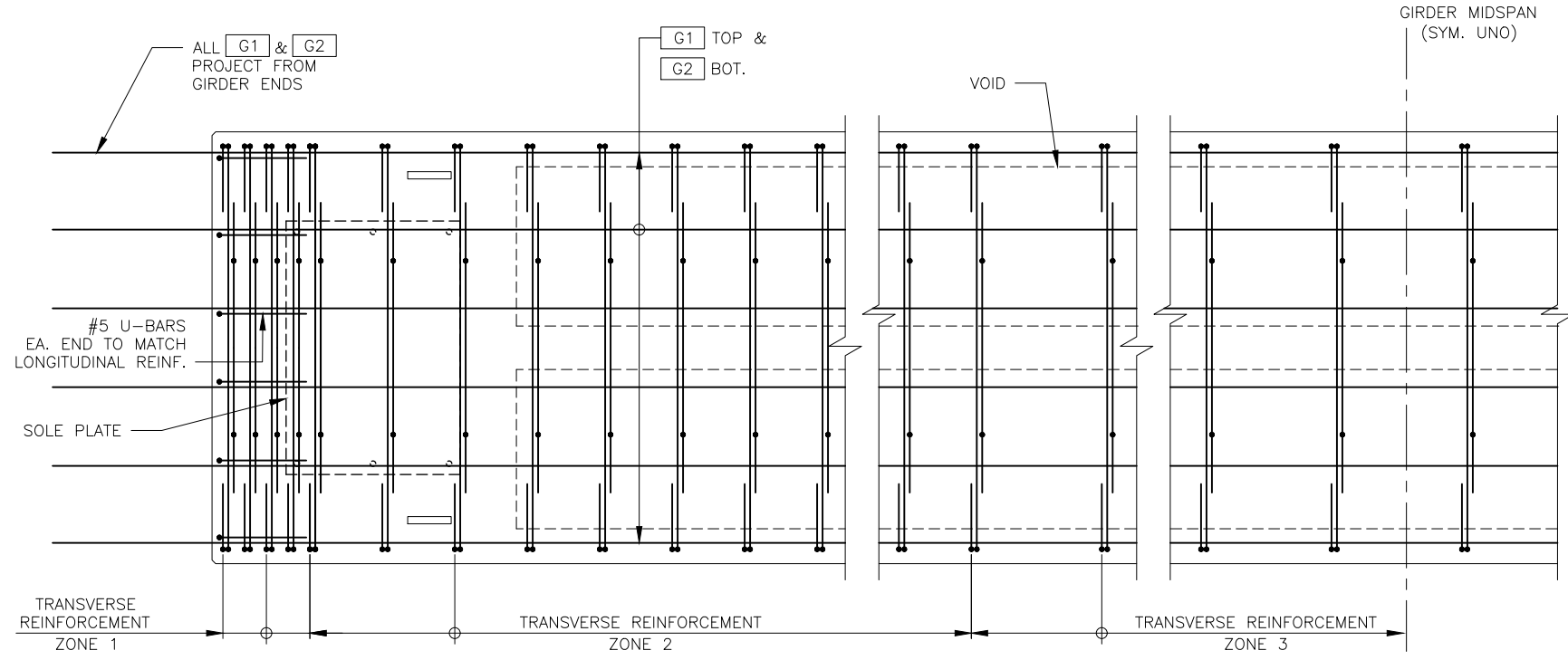
FILE	ENGR.	REVIEW	SCALE	DATE
1219-S14-S17	CB	SV	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



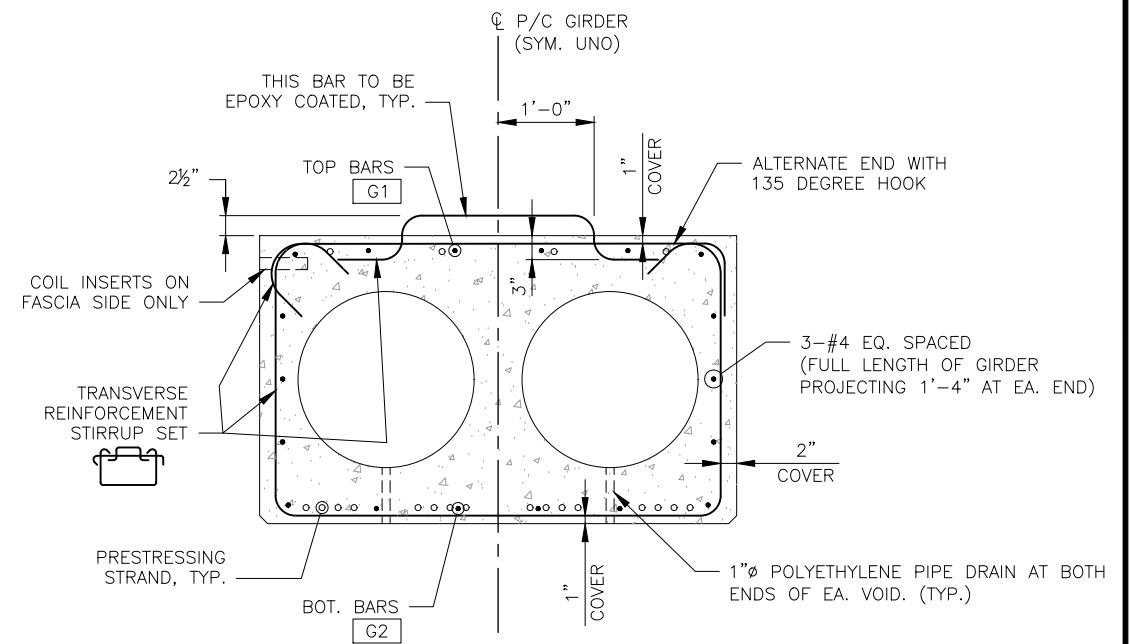
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NE 85TH ST PED-BIKE CONNECTION
BRIDGE PLANS
GIRDER DETAILS - SHEET 2

SHEET
45
100

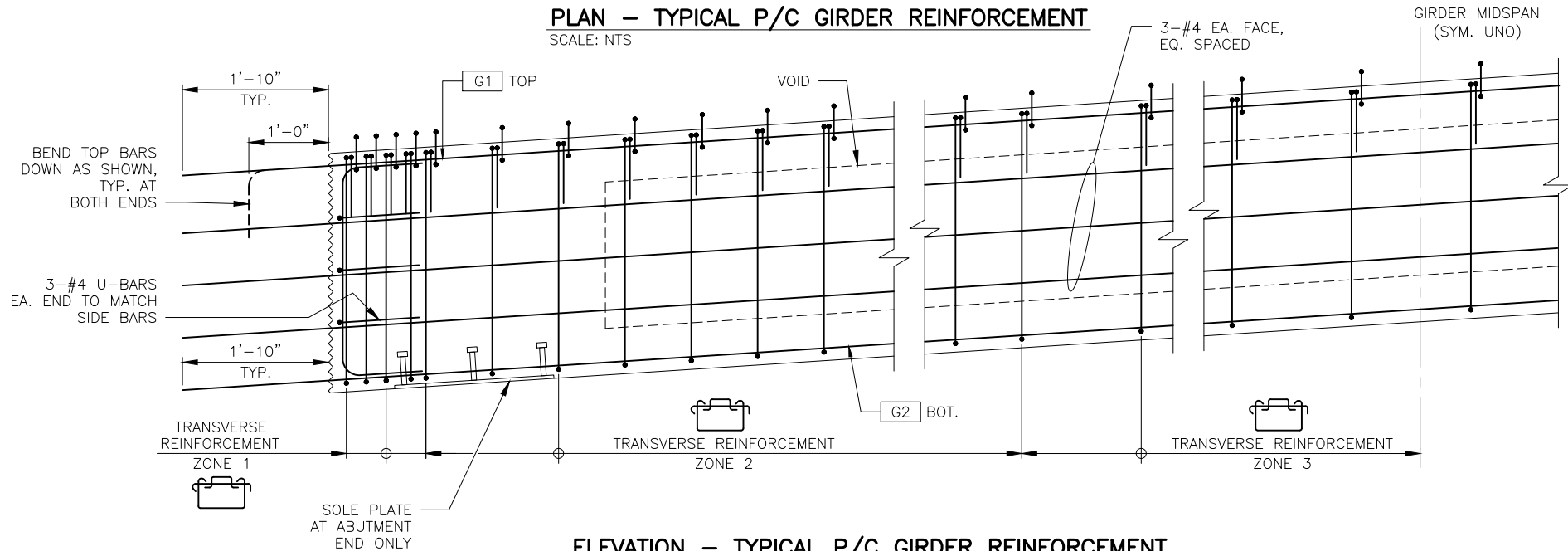
SEC. 5, T. 25 N, R. 5 E, W.M.



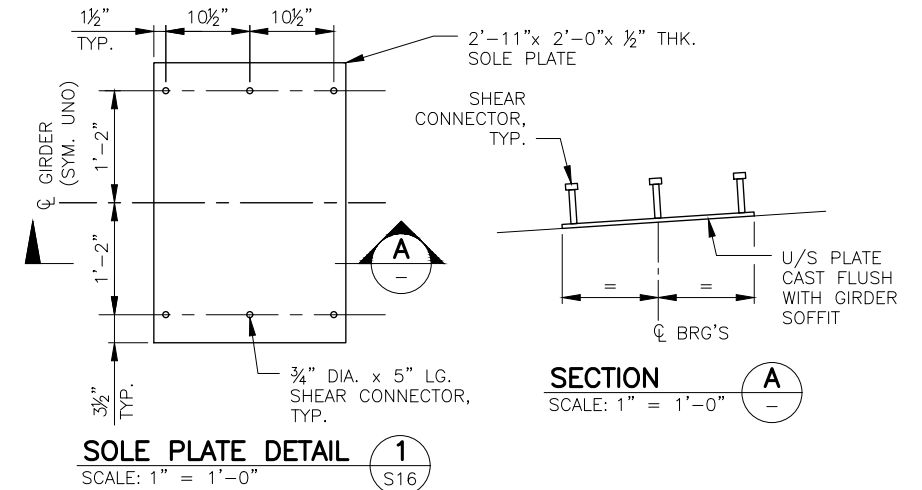
PLAN – TYPICAL P/C GIRDER REINFORCEMENT
SCALE: NTS



(NOTE: SOLID DOTS REPRESENT REBAR AND OPEN DOTS REPRESENT PRESTRESSING STRANDS)
SECTION – TYPICAL P/C GIRDER REINFORCEMENT
SCALE: NTS



ELEVATION – TYPICAL P/C GIRDER REINFORCEMENT
SCALE: NTS
(PROJECTING REBAR APPLIES TO BOTH ENDS OF GIRDERS)



NOTES:

- FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
- SOLE PLATE ASSEMBLY SHALL BE HOT DIPPED GALVANIZED.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE GIRDER SCHEDULE ON DWG. S15 AND WITH DWG. S16.

DWG. NO. S17



FILE	ENGR.	REVIEW	SCALE	DATE
1219-S14-S17	CB	SV	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



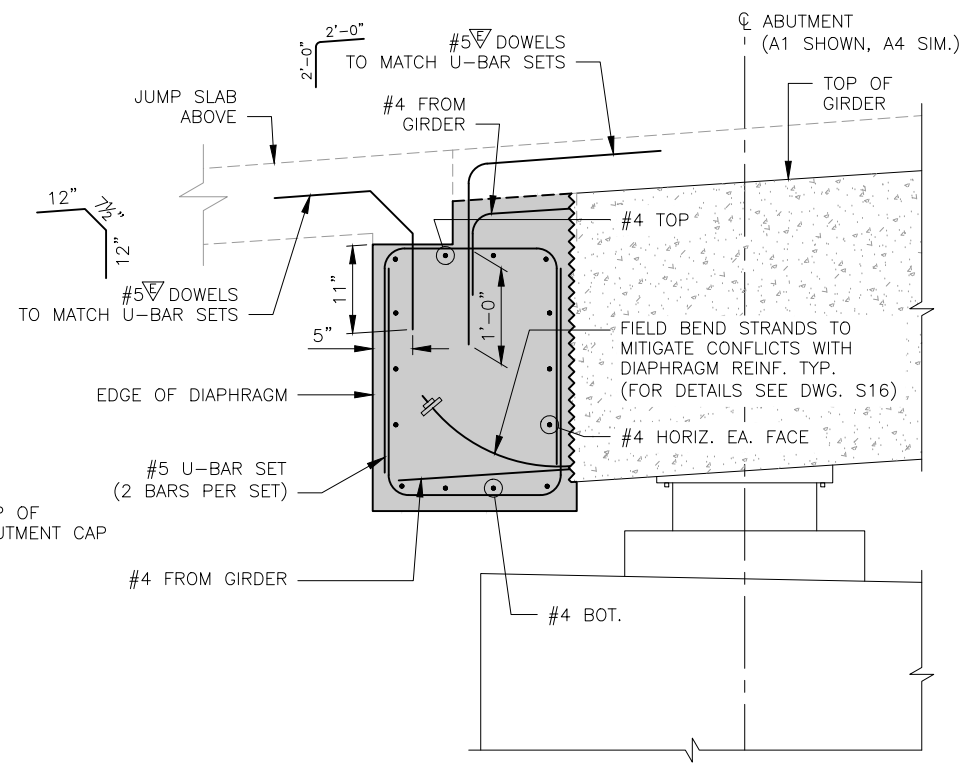
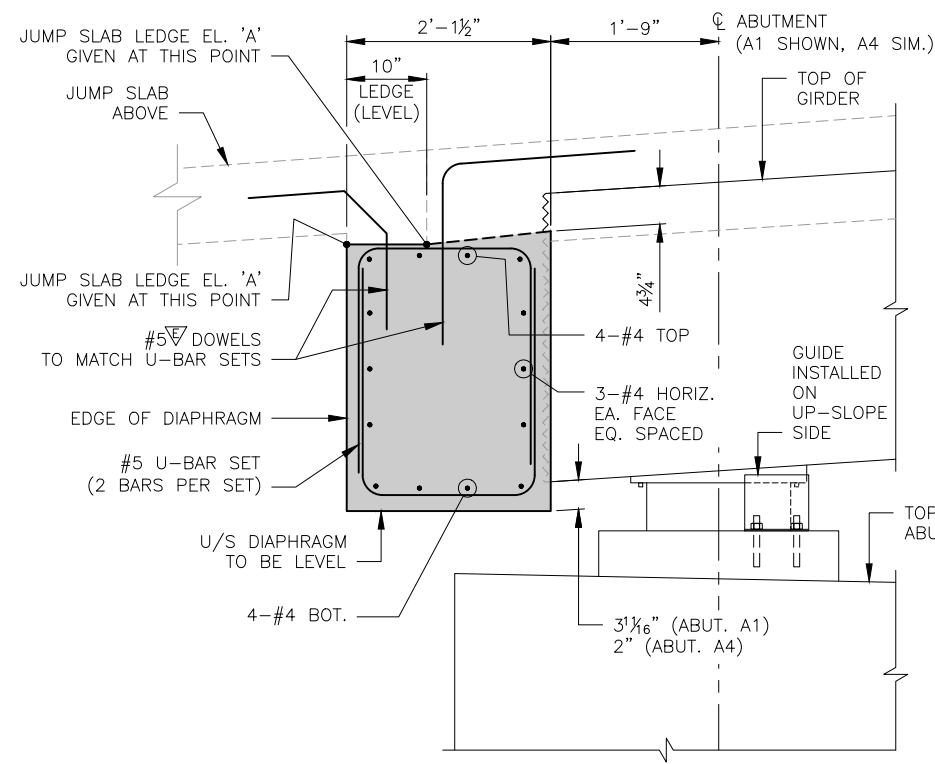
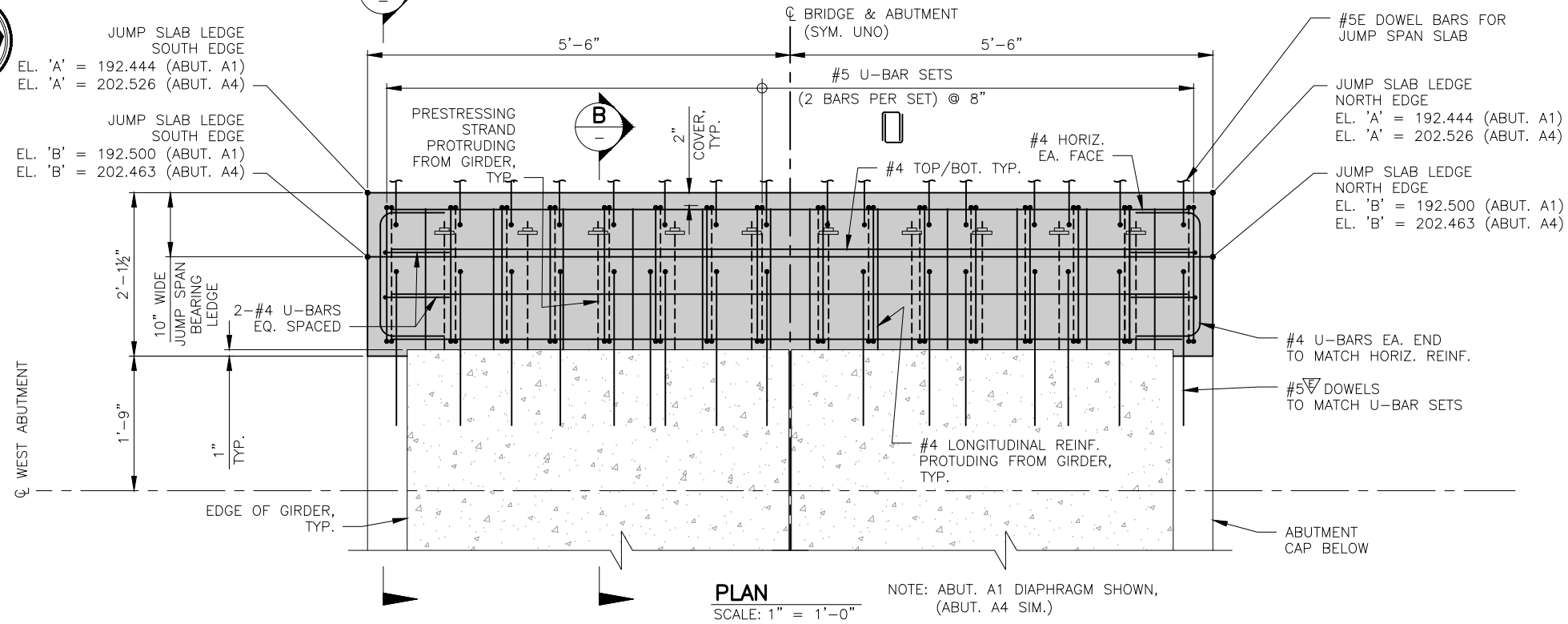
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NE 85TH ST PED-BIKE CONNECTION

BRIDGE PLANS
GIRDER DETAILS – SHEET 3

SHEET
46
100

SEC. 5, T. 25 N, R. 5 E, W.M.



NOTES:

1. FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
2. ABUTMENT DIAPHRAGMS ARE INTENDED TO BE CAST MONOLITHIC WITH DECK CONCRETE.
3. SEE "CONSTRUCTION STAGING" DRAWINGS.

DWG. NO. S18

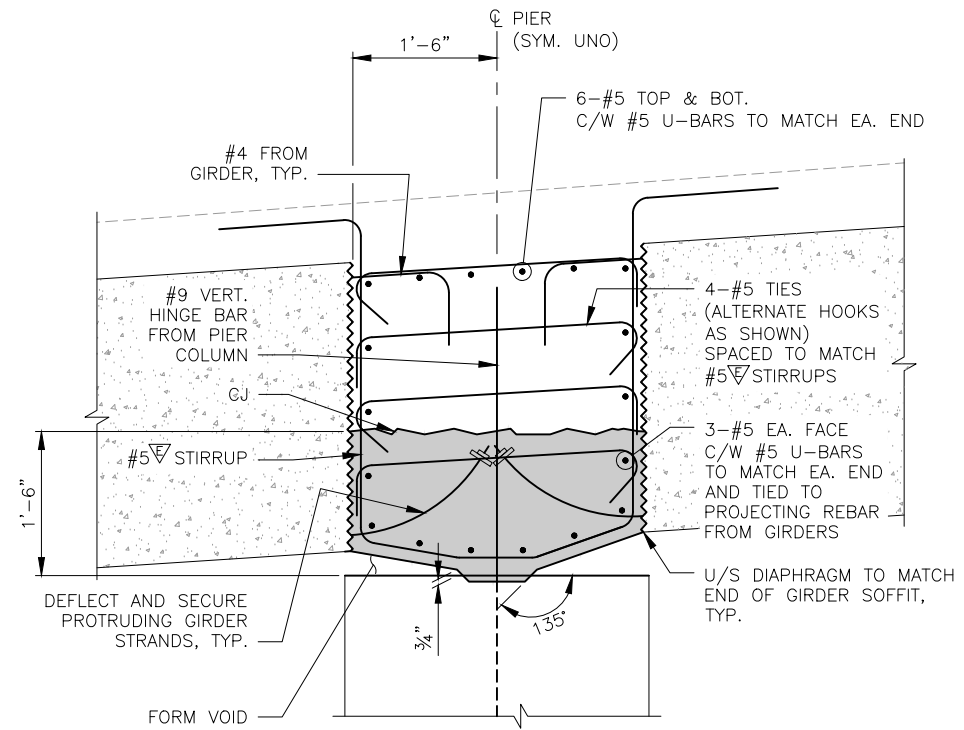
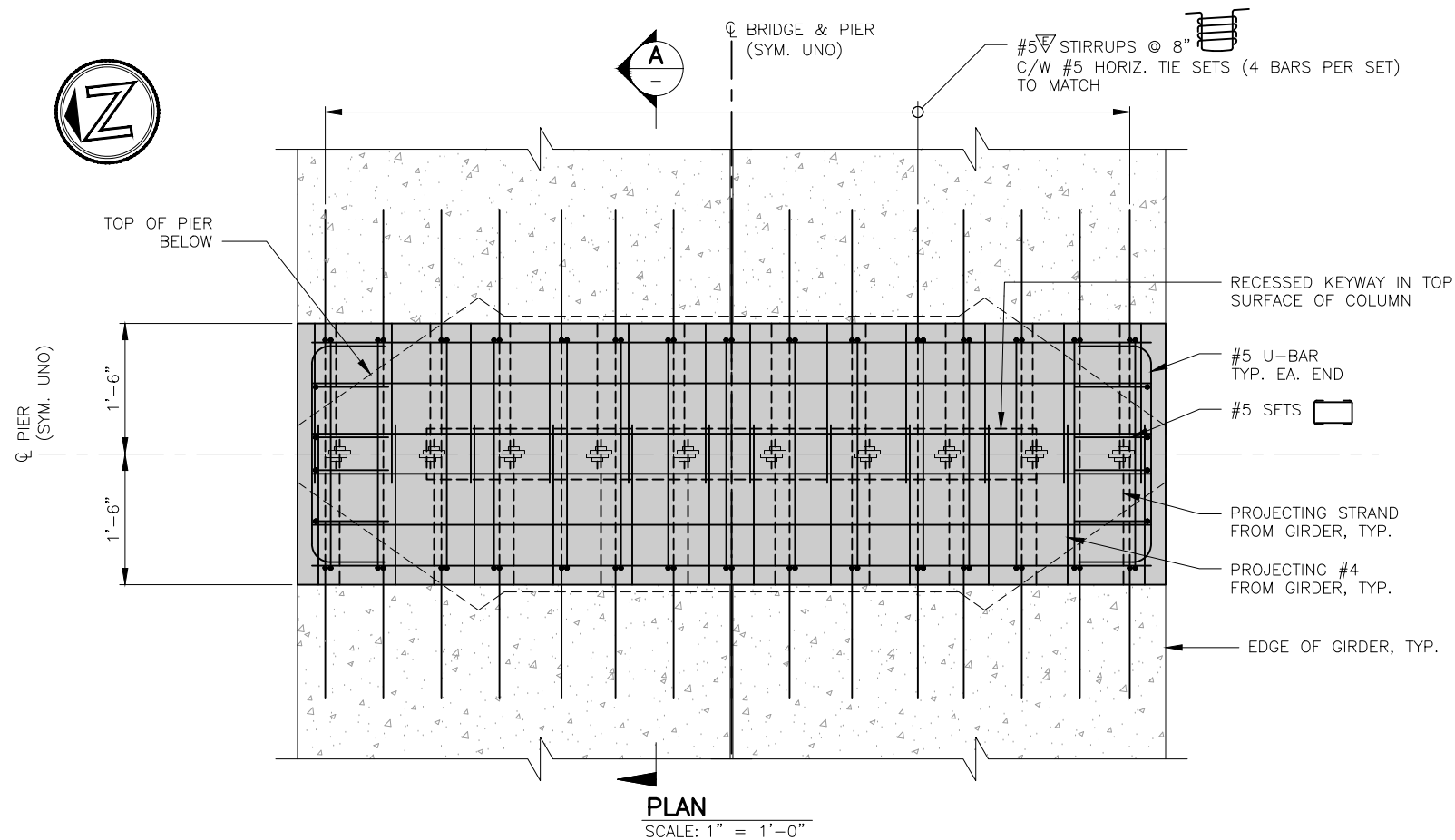


FILE	ENGR.	REVIEW	SCALE	DATE
1219-S18	CB	SV	AS SHOWN	JANUARY 2025
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NE 85TH ST PED-BIKE CONNECTION
BRIDGE PLANS
ABUTMENT DIAPHRAGMS

SHEET
47
100



TYPICAL PIER DIAPHRAGM SECTION
SCALE: 1" = 1'-0"
(PROJECTING REBAR FROM GIRDERS NOT SHOWN FOR CLARITY)

NOTES:

- FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
- PIER DIAPHRAGMS SHALL USE DECK CONCRETE MIX AND SHALL BE CAST PRIOR TO DECK CONCRETE.
- SEE "CONSTRUCTION STAGING" DRAWINGS.

DWG. NO. S19



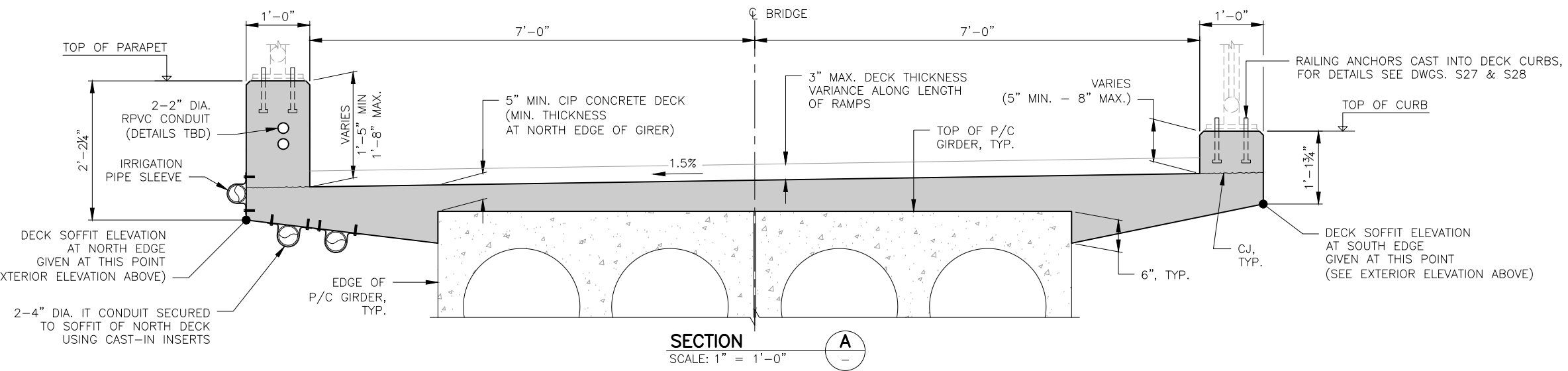
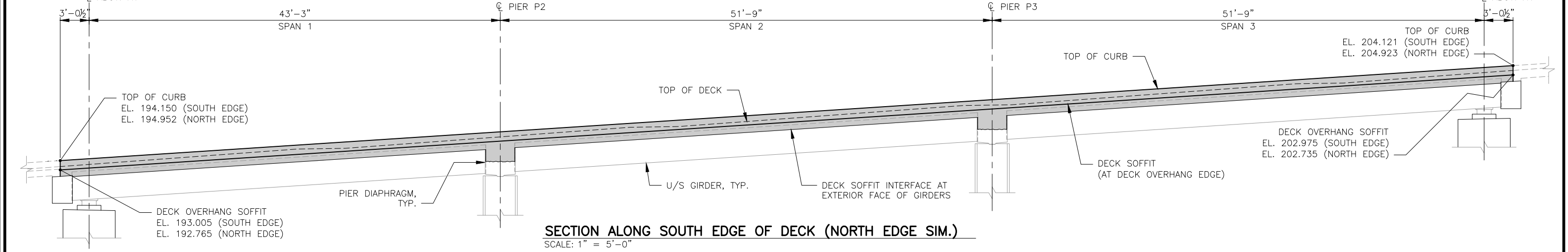
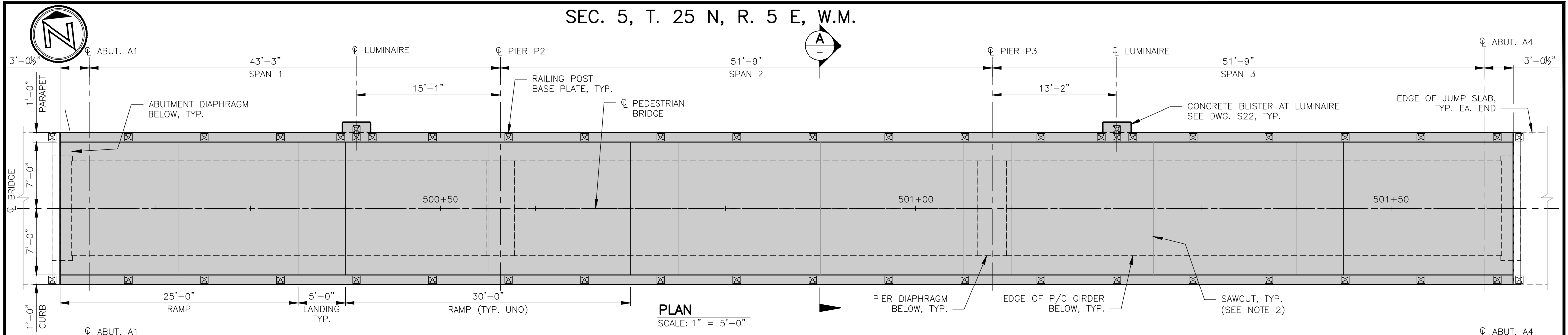
FILE	ENGR.	REVIEW	SCALE	DATE
1219-S19	CB	SV	AS SHOWN	JANUARY 2025
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BRIDGE PLANS
PIER DIAPHRAGMS

SHEET
48
100

SEC. 5, T. 25 N, R. 5 E, W.M.



- NOTES:**
- FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
 - DECK SURFACE SHALL HAVE TRANSVERSE 1/8" WIDE BY 1/8" DEEP SAWCUTS FULL WIDTH OF DECK AT EA. END OF LANDINGS, AND AT THE MIDPOINT OF EA. RUN OF RAMP. SAWCUTS SHALL BE MADE PRIOR TO CASTING CURBS AND FILLED WITH SIKAFLEX CONSTRUCTION SEALANT.
 - IT CONDUIT MATERIAL, DETAILS, ATTACHMENTS (INCLUDING INSERTS) SHALL BE SUBMITTED FOR APPROVAL BY ENGINEER.

DWG. NO. S20



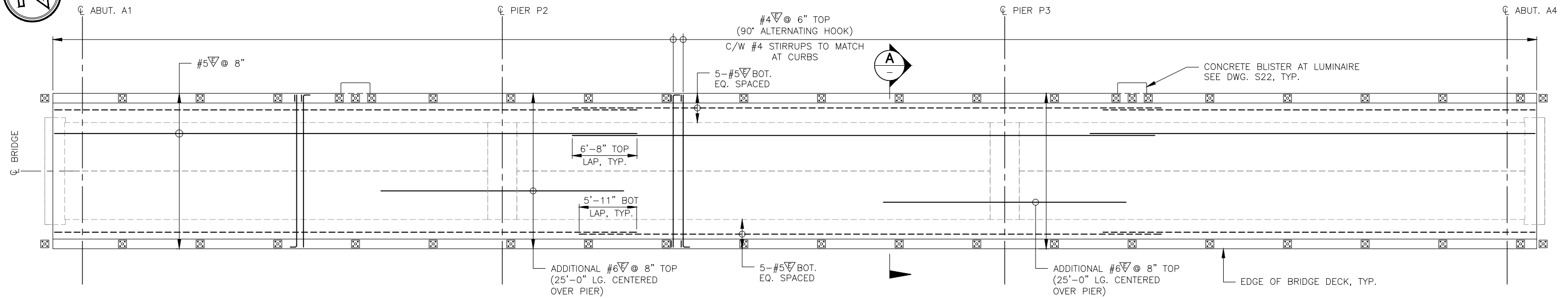
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1219-S20	CB	SV	AS SHOWN	JANUARY 2025
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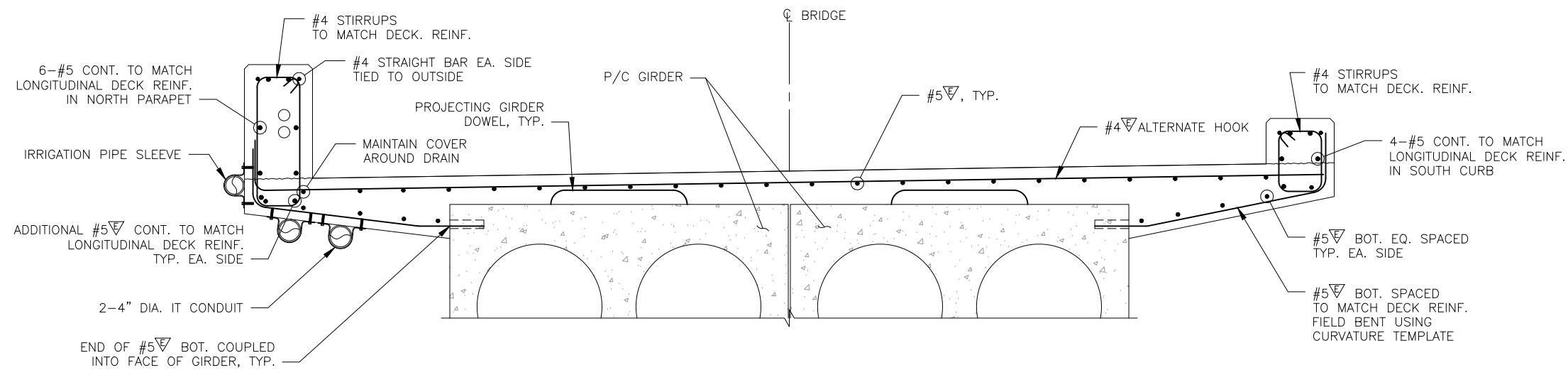
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NE 85TH ST PED-BIKE CONNECTION
BRIDGE PLANS
DECK LAYOUT

SHEET
49
100

SEC. 5, T. 25 N, R. 5 E, W.M.



PLAN
SCALE: 1" = 5'-0"



SECTION
SCALE: 1" = 1'-0"

NOTES:

- FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.

DWG. NO. S21



FILE	ENGR.	REVIEW	SCALE	DATE
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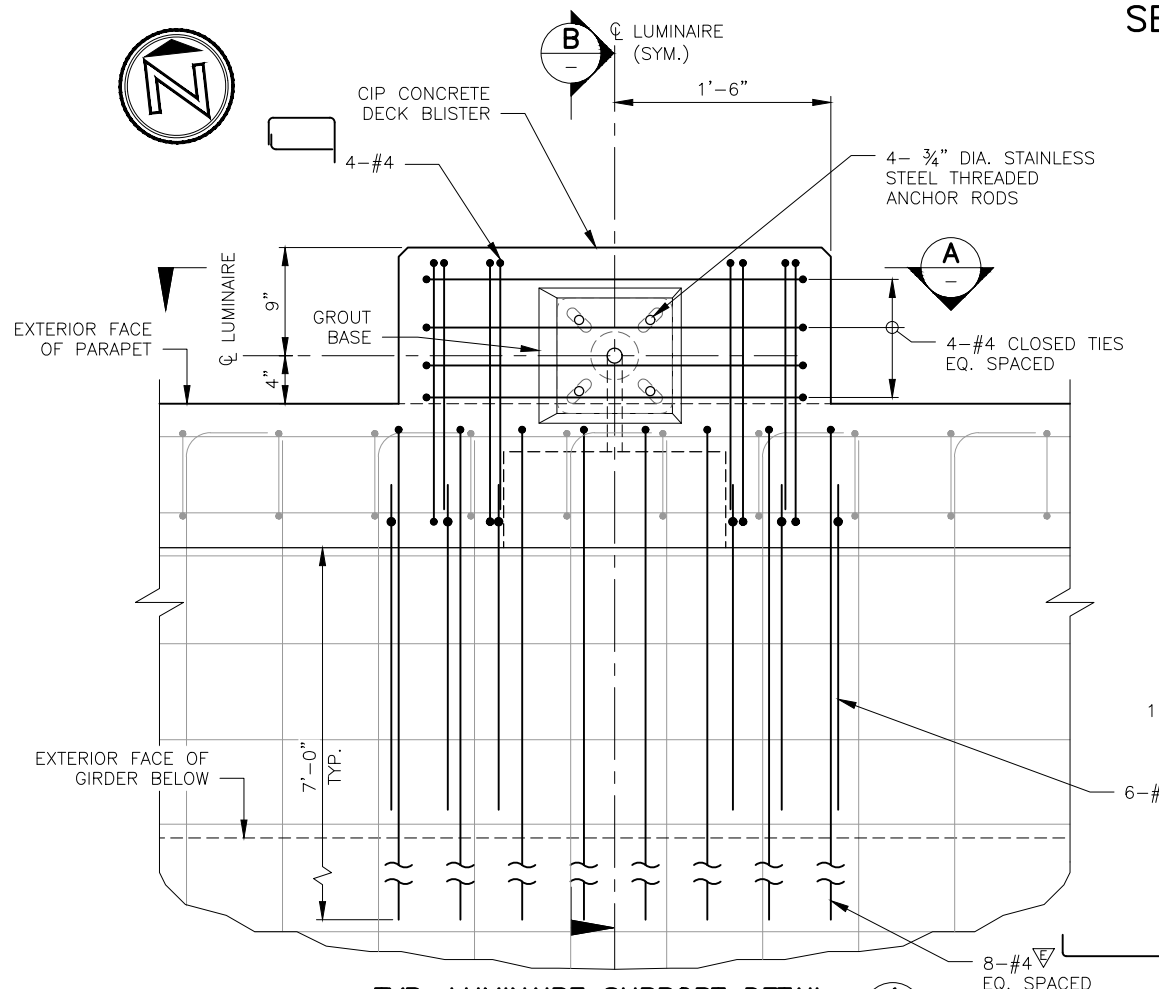
NE 85TH ST PED-BIKE CONNECTION

BRIDGE PLANS
DECK REINFORCEMENT

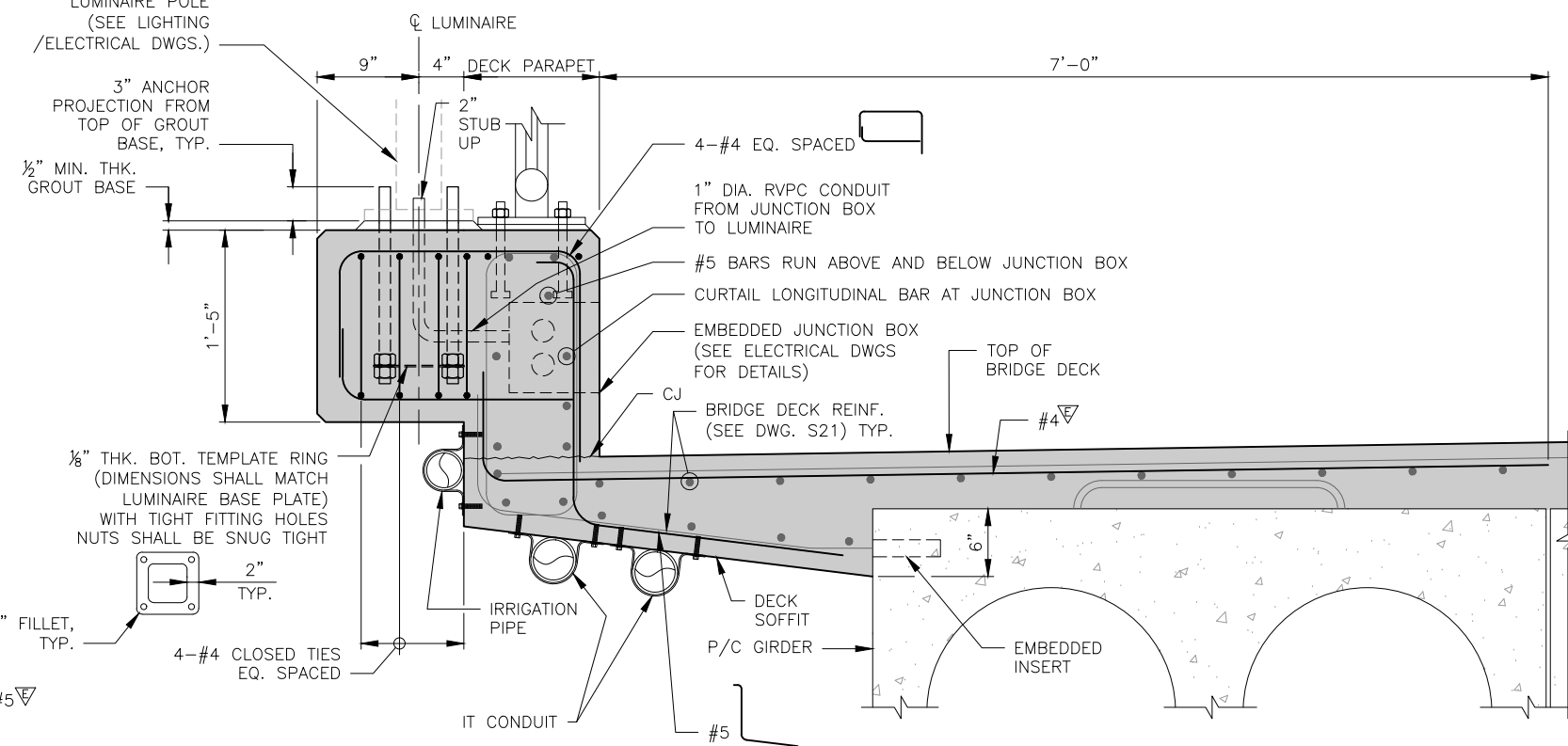
SHEET

50 / 100

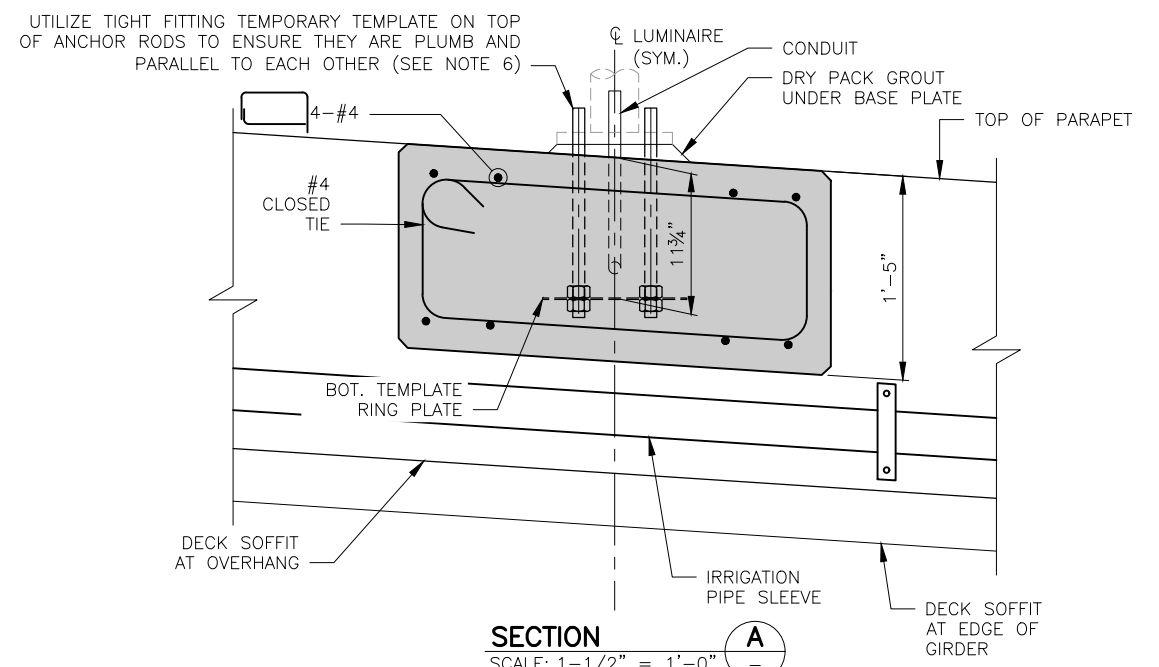
SEC. 5, T. 25 N, R. 5 E, W.M.



TYP. LUMINAIRE SUPPORT DETAIL (1)
SCALE: 1-1/2" = 1'-0"



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



SECTION (A)
SCALE: 1-1/2" = 1'-0"

UTILIZE TIGHT FITTING TEMPORARY TEMPLATE ON TOP OF ANCHOR RODS TO ENSURE THEY ARE PLUMB AND PARALLEL TO EACH OTHER (SEE NOTE 6)

NOTES:

- FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
- ANCHORAGE ASSEMBLY IS BASED ON LUMEC LUMINAIRE POLE TYPE APR4 BY SIGNIFY. ALTERNATIVE POLE TYPES SHALL BE SUBMITTED AND REVIEWED BY ENGINEER PRIOR TO CONSTRUCTION.
- IRRIGATION PIPE SLEEVE SHALL BE COMPRISED OF ALUMINUM SCHEDULE 40 PIPE WITH 3-INCH I.D. PIPE SLEEVE SHALL BE AFFIXED TO OUTER FACE OF PARAPET AT CONSTANT GRADE USING COMPATIBLE STRAPS WITH POST-INSTALLED ALUMINUM BOLTS INTO CONCRETE. STRAPS SHALL BE AT A MINIMUM SPACING OF 10-FT O.C.
- EMBEDDED INSERT SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL.
- NEMA 4X NON-ADJUSTABLE FLUSH-MOUNT JUNCTION BOX SHALL BE PER STD PLAN J-40.36-02 AND SHALL BE SECURED TO FORMWORK PRIOR TO CASTING PARAPET.
- ANCHOR RODS PROJECTING FROM CONCRETE SHALL BE TEMPORARILY WRAPPED IN TIN FOIL PRIOR TO CONCRETE POUR TO PREVENT THREADS FROM BEING CONTAMINATED FROM CONCRETE SPLATTER.
- LEVELING NUTS SHALL BE USED BENEATH THE BASE PLATE AND SHALL BE RECESSED INTO THE CONCRETE DURING THE POUR WITH TEMPORARY FOAM WRAPPED AROUND THEM.

DWG. NO. S22



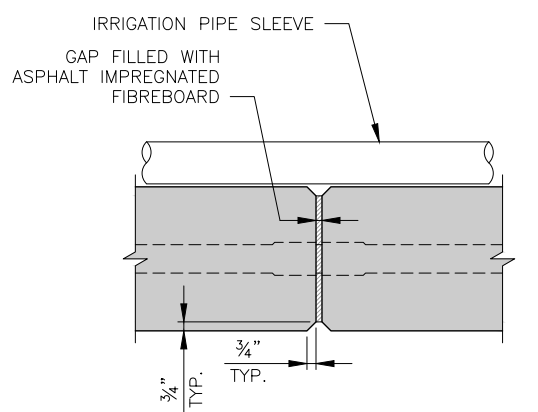
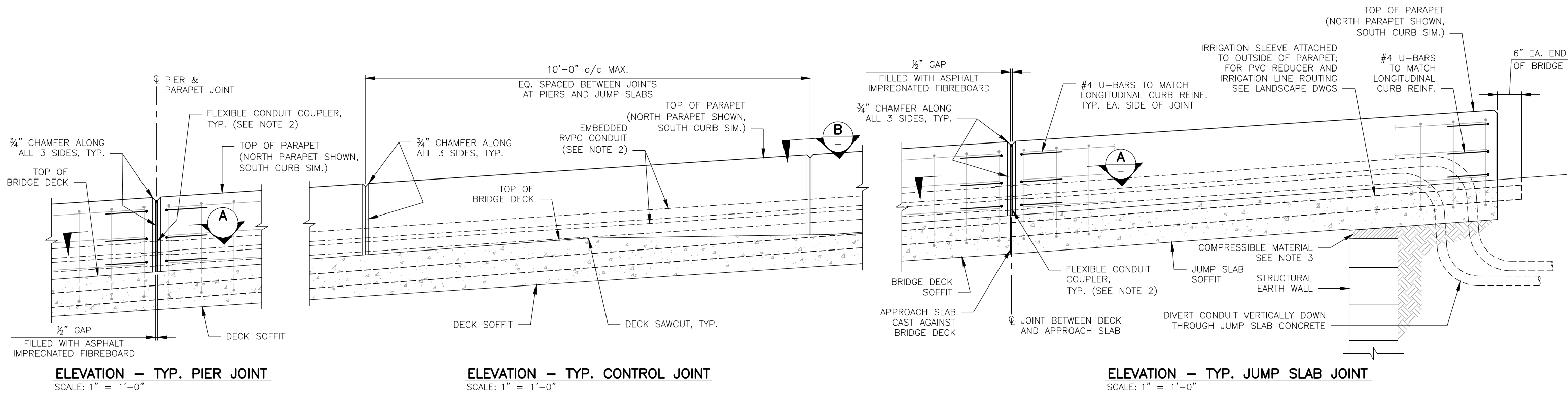
FILE	ENGR.	REVIEW	SCALE	DATE
1219-S22	CB	SV	AS SHOWN	JANUARY 2025
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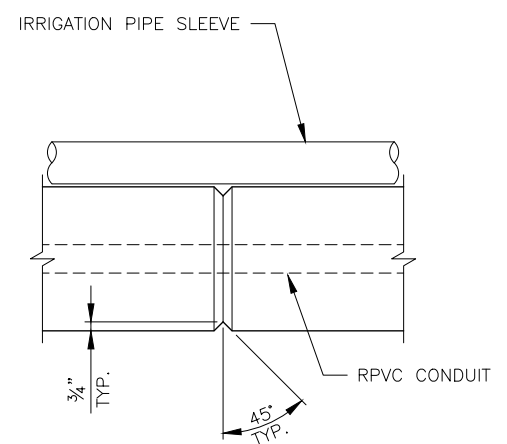
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NE 85TH ST PED-BIKE CONNECTION
BRIDGE PLANS
DECK LUMINAIRE SUPPORTS

SHEET
51
100

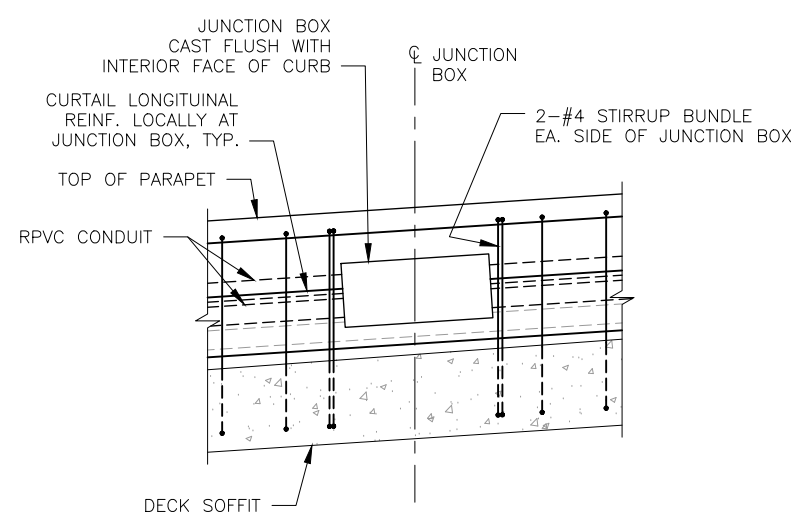
SEC. 5, T. 25 N, R. 5 E, W.M.



NOTE: CURB REINF. NOT SHOWN FOR CLARITY



NOTE: CURB REINF. NOT SHOWN FOR CLARITY



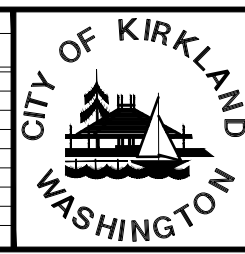
NOTES:

- FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
- ELECTRICAL CONDUIT AND JUNCTION BOXES SHALL BE AS PER ELECTRICAL ENGINEER'S SPECIFICATIONS.
- INSTALL COMPRESSIBLE FILLER MATERIAL USING EVAZOTE 50 OR APPROVED EQUIVALENT TO FULLY COVER THE TOP OF MSE WALL FACING MATERIAL.

DWG. NO. S23



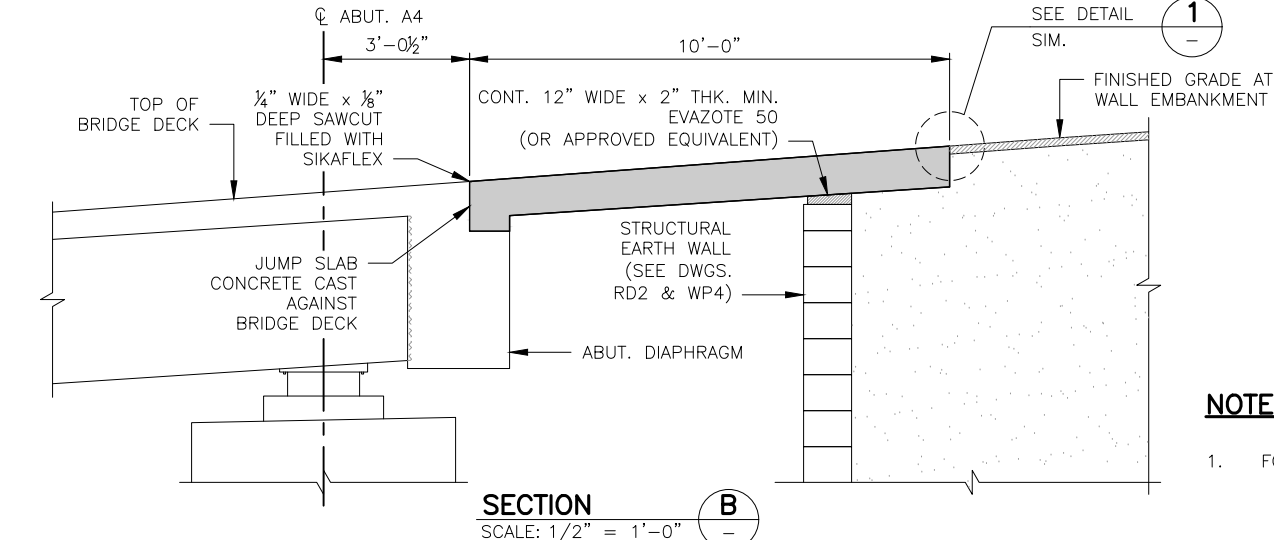
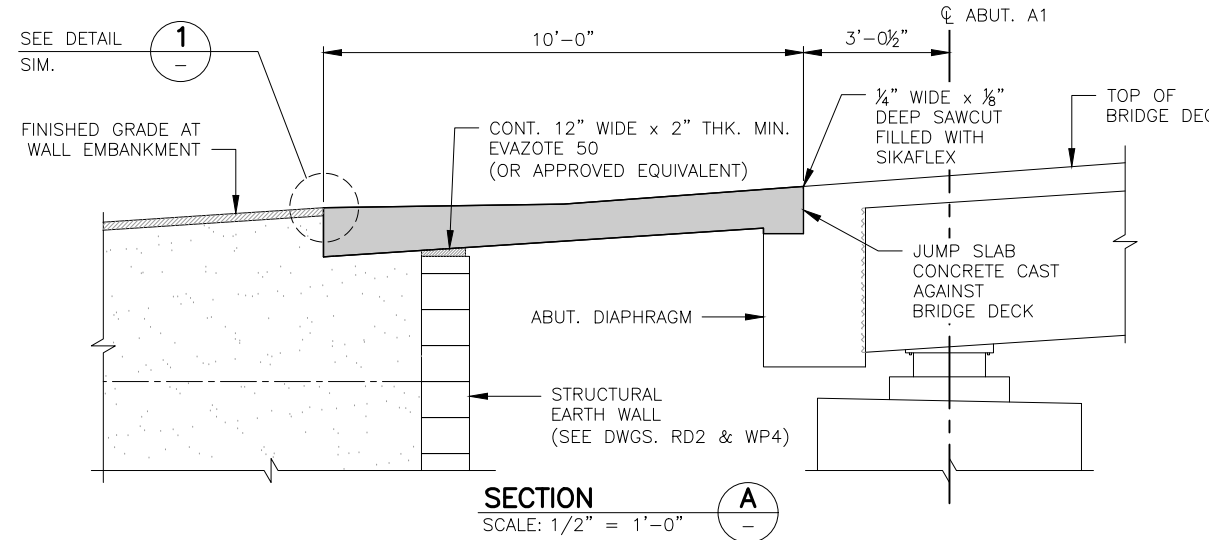
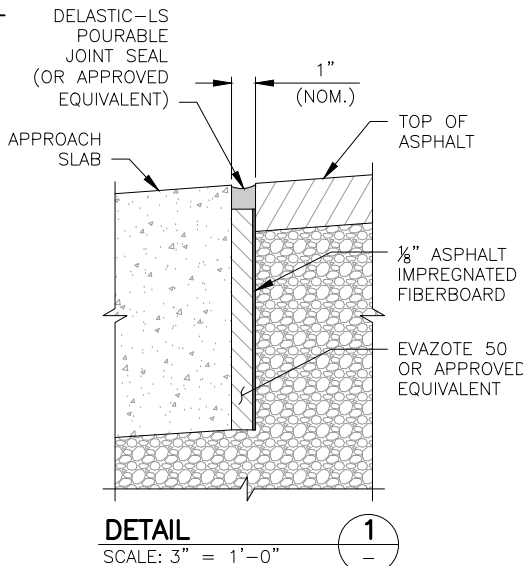
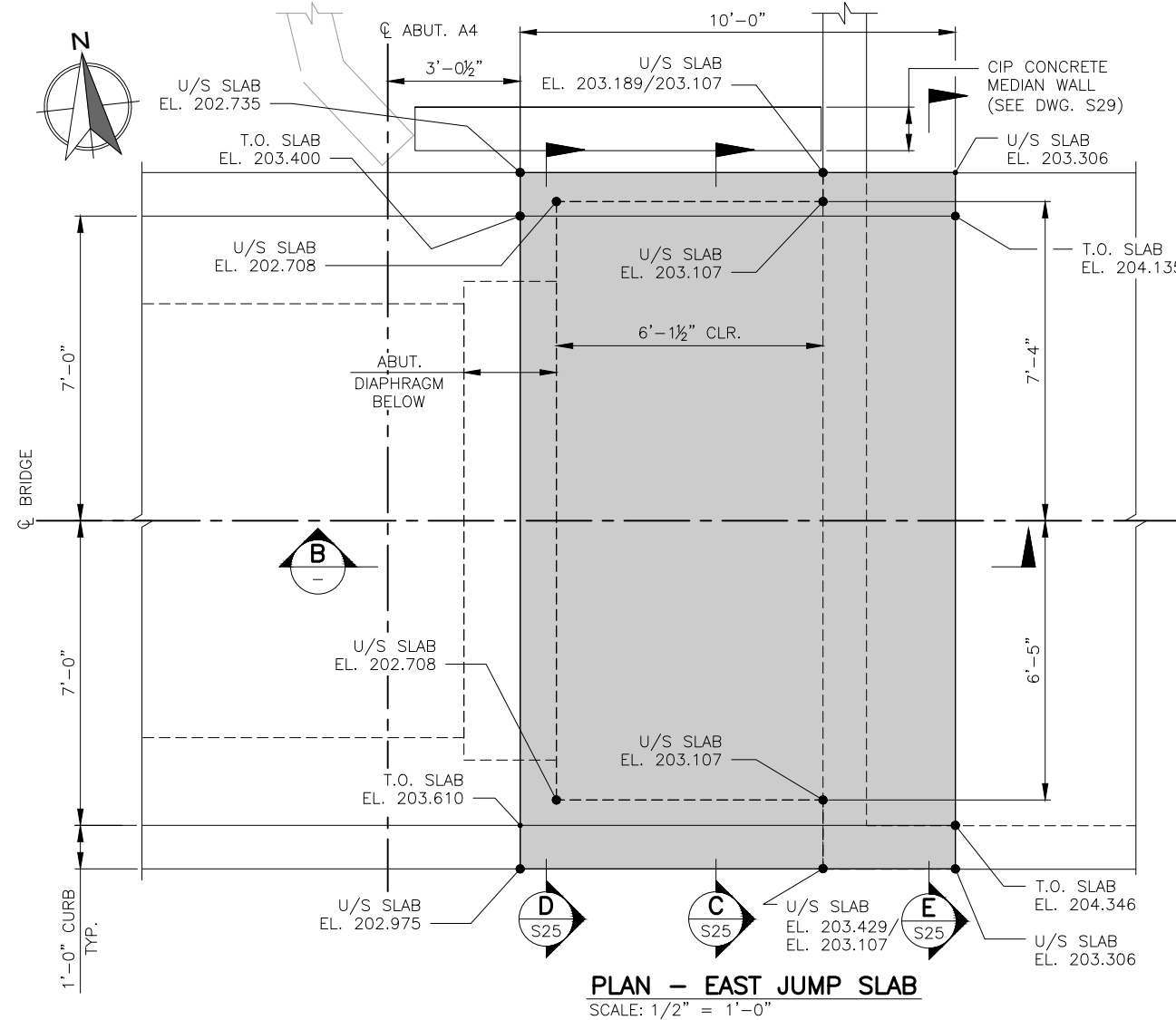
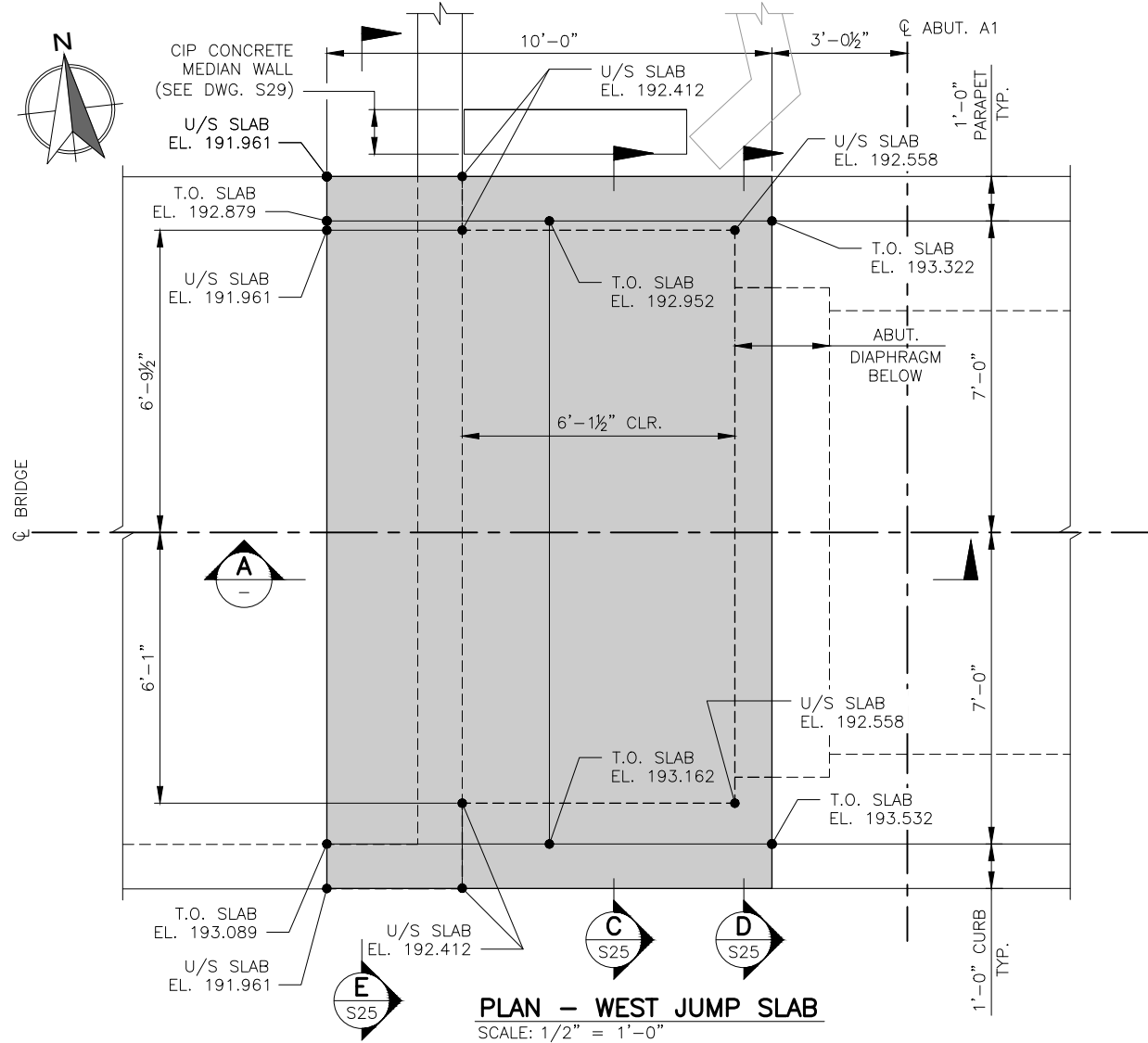
FILE	ENGR.	REVIEW	SCALE	DATE
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BRIDGE PLANS
DECK CURB DETAILS

SHEET
52
100

SEC. 5, T. 25 N, R. 5 E, W.M.



NOTES:
 1. FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.

DWG. NO. S24



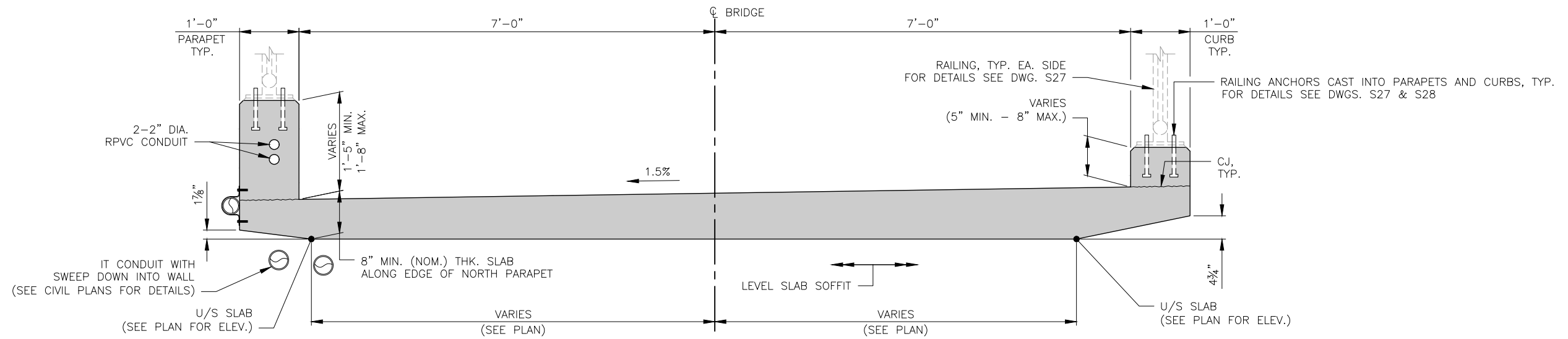
FILE	ENGR.	REVIEW	SCALE	DATE
1219-S25	CB	SV	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



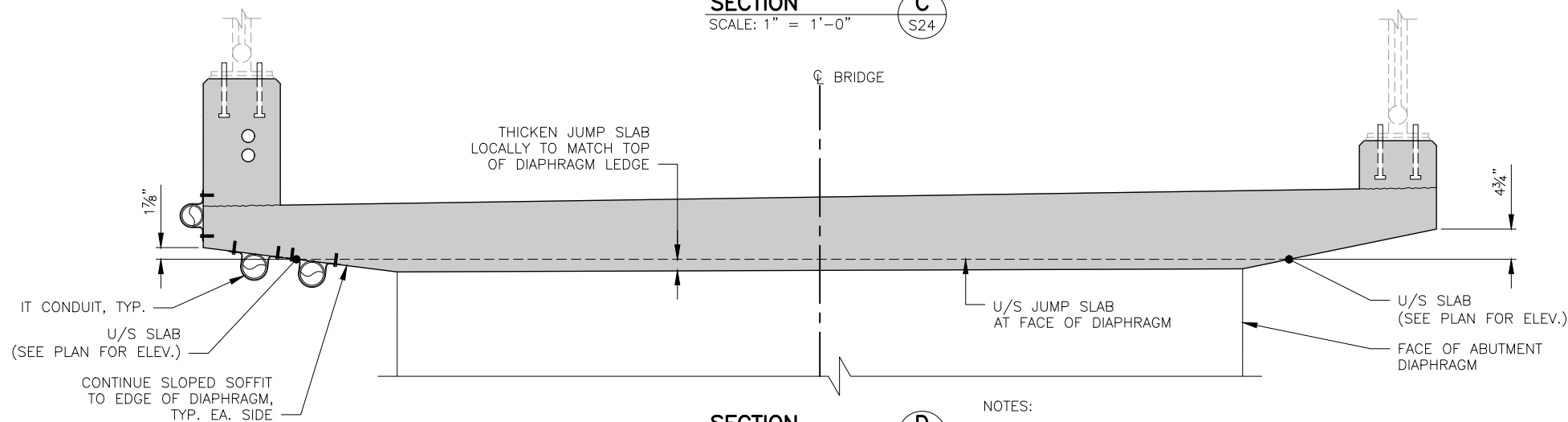
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 NE 85TH ST PED-BIKE CONNECTION
 BRIDGE PLANS
 JUMP SPANS - OUTLINE

SHEET
 53
 100

SEC. 5, T. 25 N, R. 5 E, W.M.

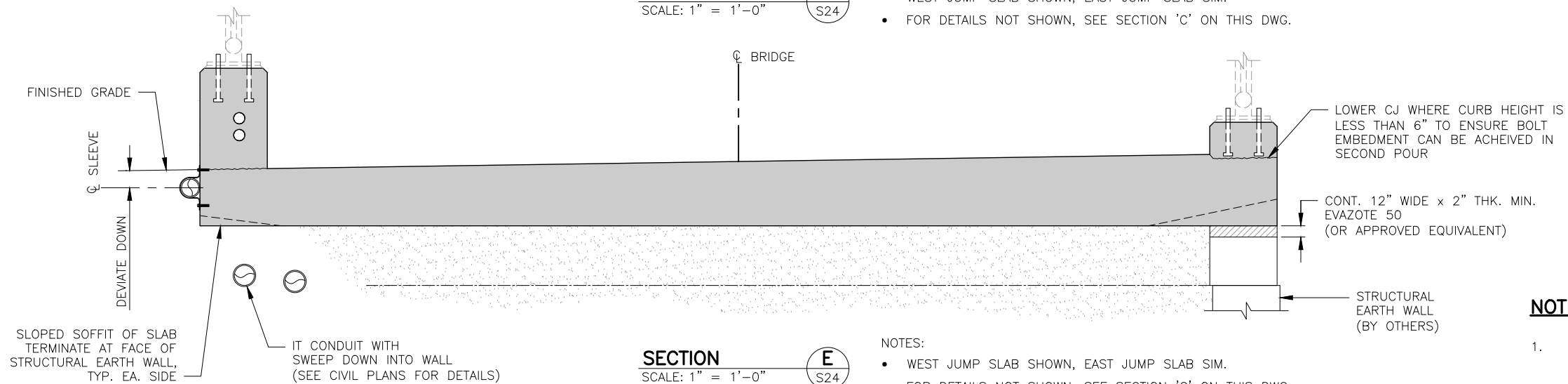


SECTION C
SCALE: 1" = 1'-0"



SECTION D
SCALE: 1" = 1'-0"

- NOTES:
- WEST JUMP SLAB SHOWN, EAST JUMP SLAB SIM.
 - FOR DETAILS NOT SHOWN, SEE SECTION 'C' ON THIS DWG.



SECTION E
SCALE: 1" = 1'-0"

- NOTES:
- WEST JUMP SLAB SHOWN, EAST JUMP SLAB SIM.
 - FOR DETAILS NOT SHOWN, SEE SECTION 'C' ON THIS DWG.

NOTES:

1. FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.

DWG. NO. S25



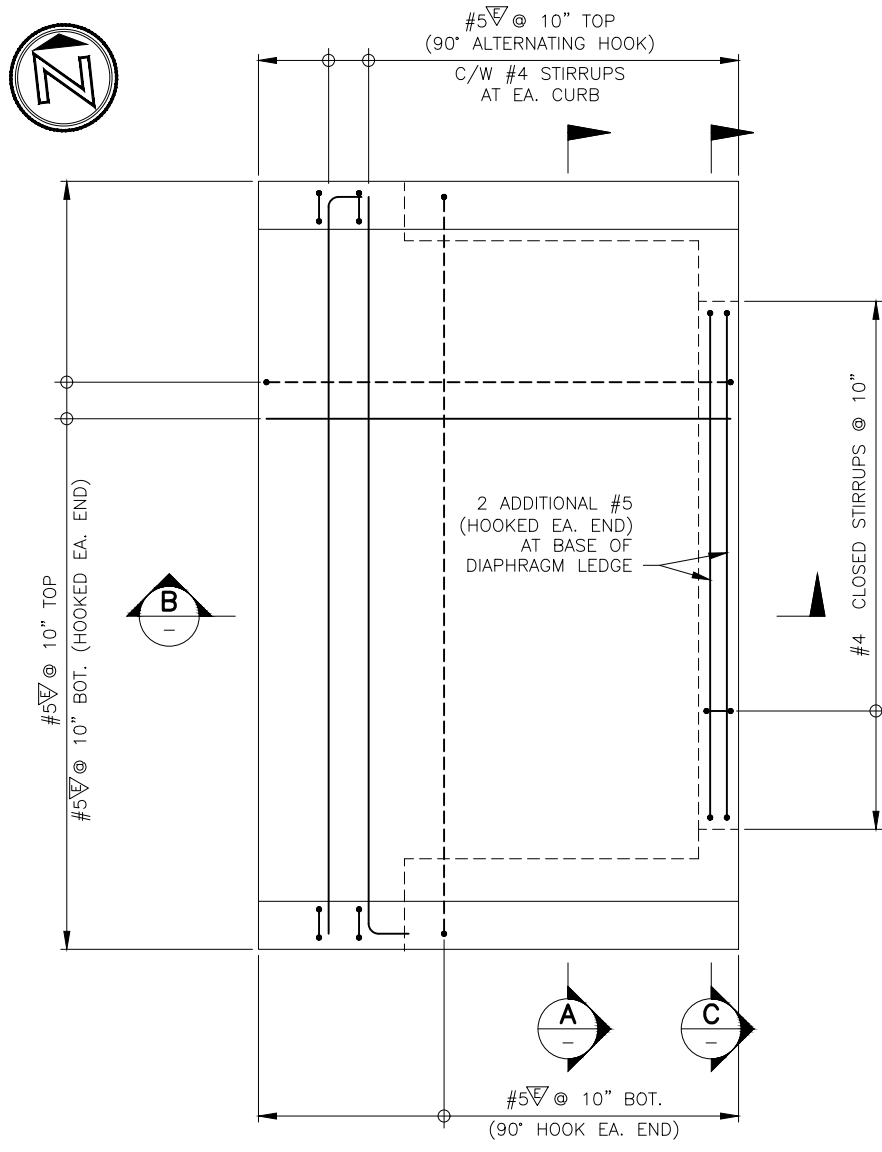
FILE	ENGR.	REVIEW	SCALE	DATE
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NO.	REVISION	BY	REVIEW	DATE



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NE 85TH ST PED-BIKE CONNECTION
BRIDGE PLANS
JUMP SPANS - DETAILS

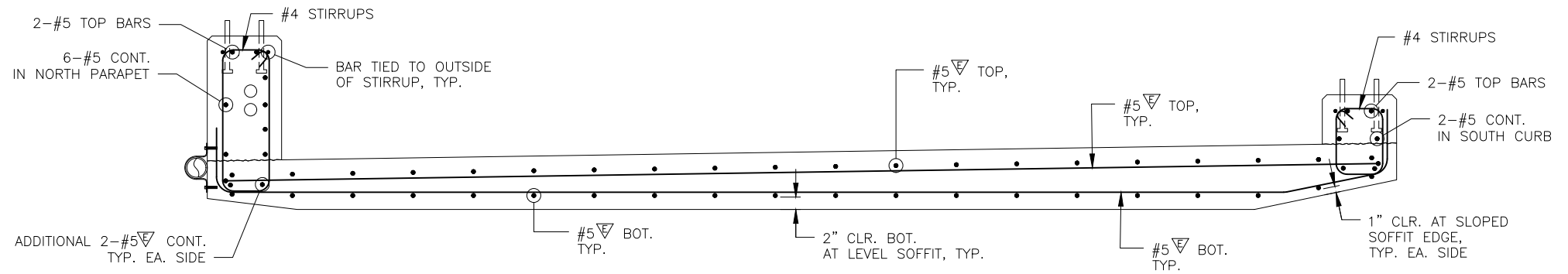
SHEET
54
100

SEC. 5, T. 25 N, R. 5 E, W.M.

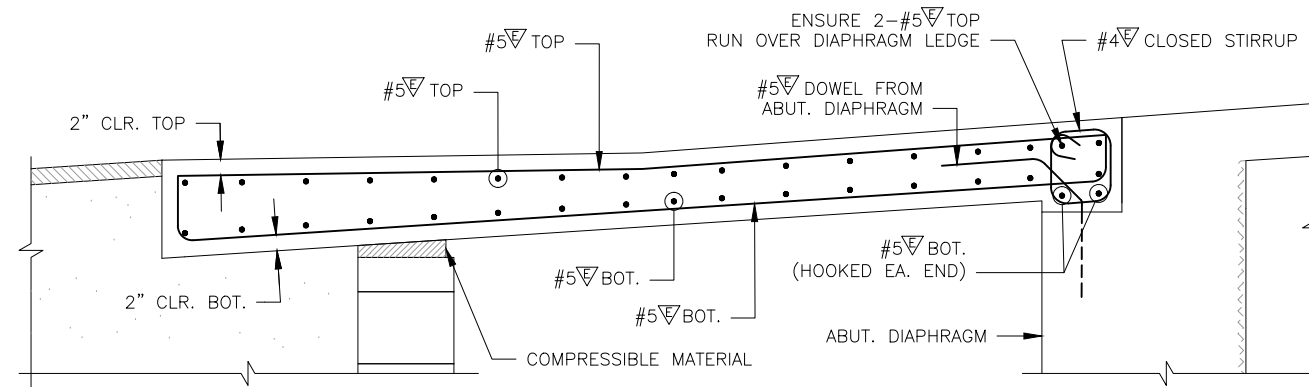


NOTE: WEST JUMP SLAB SHOWN, EAST JUMP SLAB SIM.

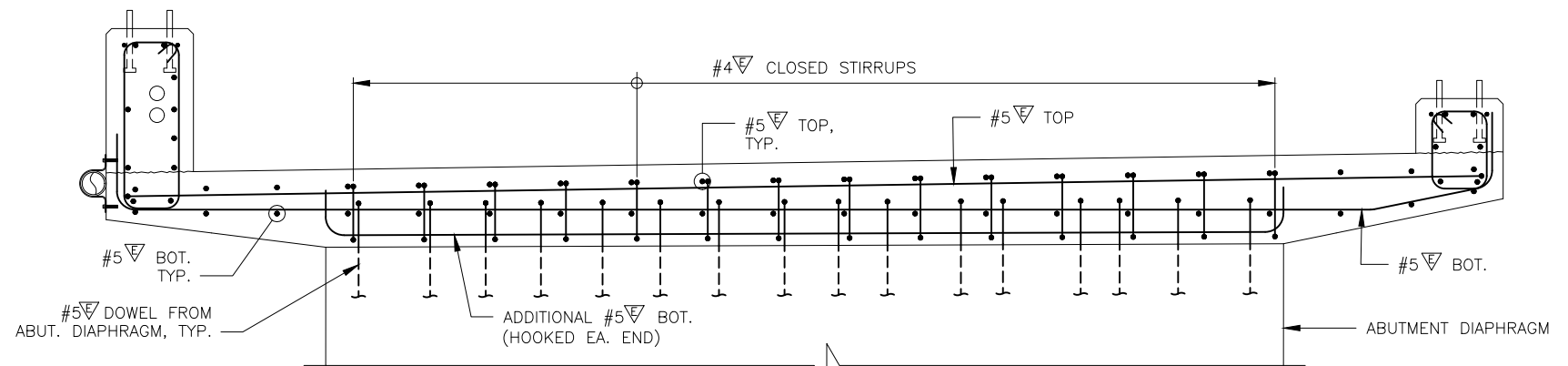
PLAN
SCALE: 1/2" = 1'-0"



SECTION A
SCALE: 1" = 1'-0"
(IT CONDUIT NOT SHOWN)



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



SECTION C
SCALE: 1" = 1'-0"
(IT CONDUIT NOT SHOWN)

- NOTES:
- WEST JUMP SLAB SHOWN, EAST JUMP SLAB SIM.
 - FOR DETAILS NOT SHOWN, SEE SECTION 'A' ON THIS DWG.

NOTES:

1. FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.

DWG. NO. S26



FILE	ENGR.	REVIEW	SCALE	DATE
1219-S26	CB	SV	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



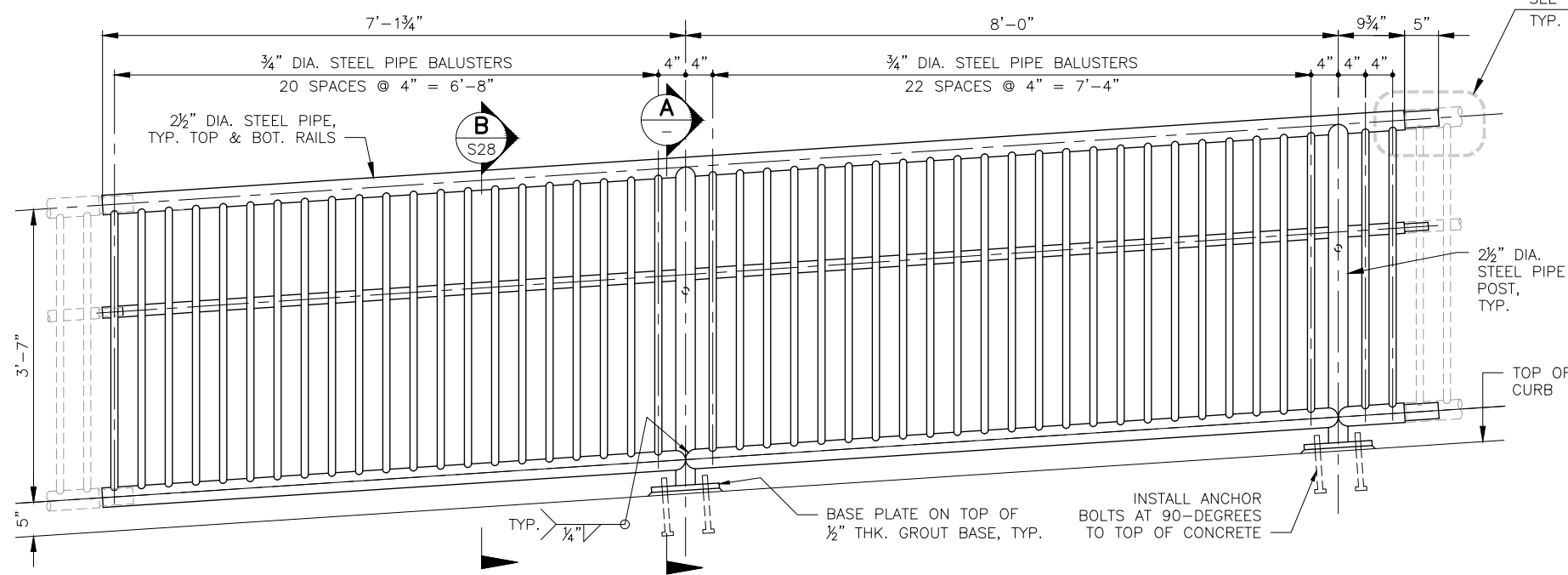
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NE 85TH ST PED-BIKE CONNECTION

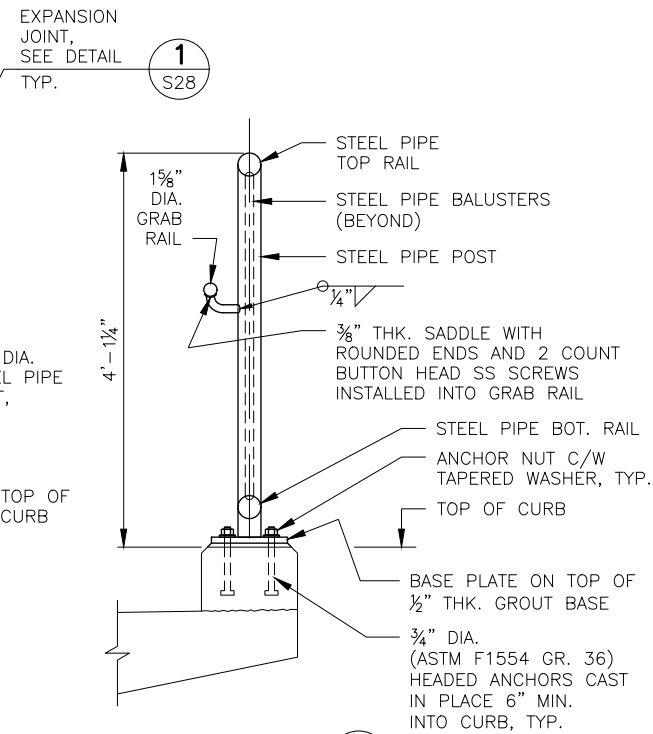
BRIDGE PLANS
JUMP SPANS - REINFORCEMENT

SHEET
55
100

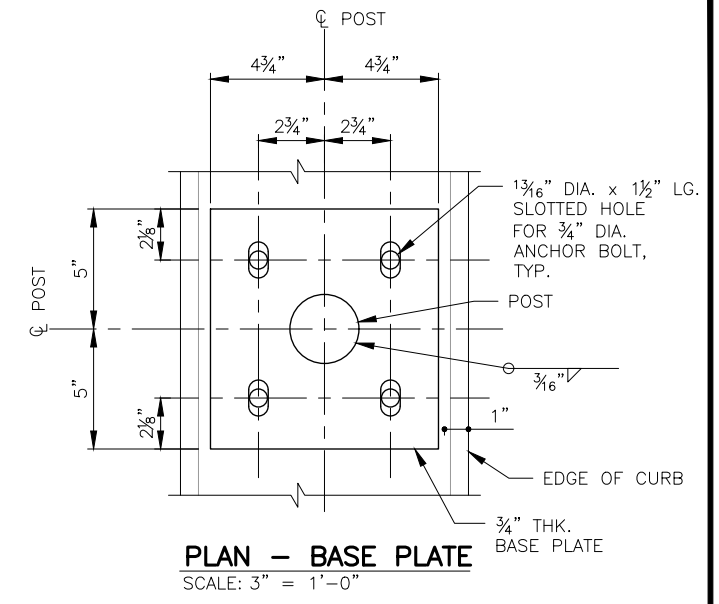
SEC. 5, T. 25 N, R. 5 E, W.M.



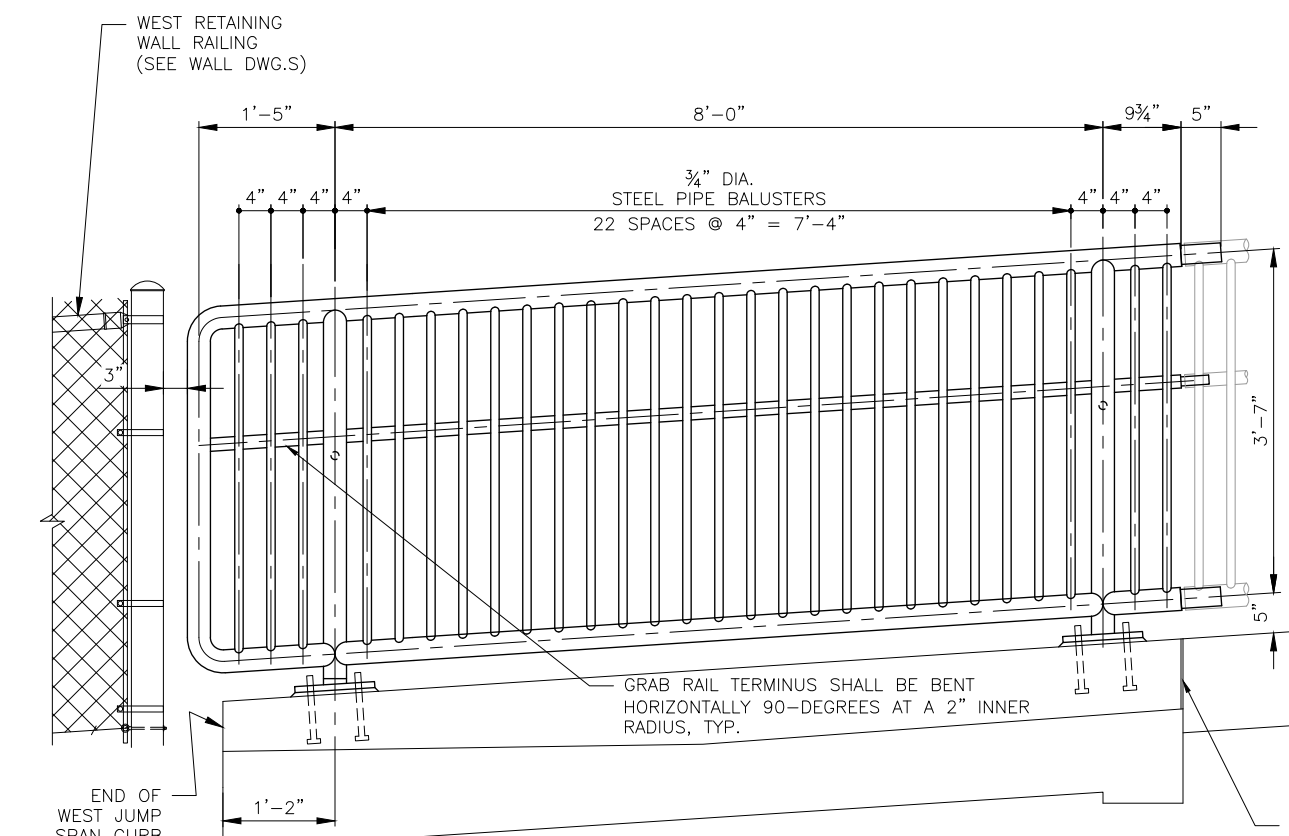
ELEVATION - TYPICAL SEGMENT
SCALE: 1" = 1'-0"



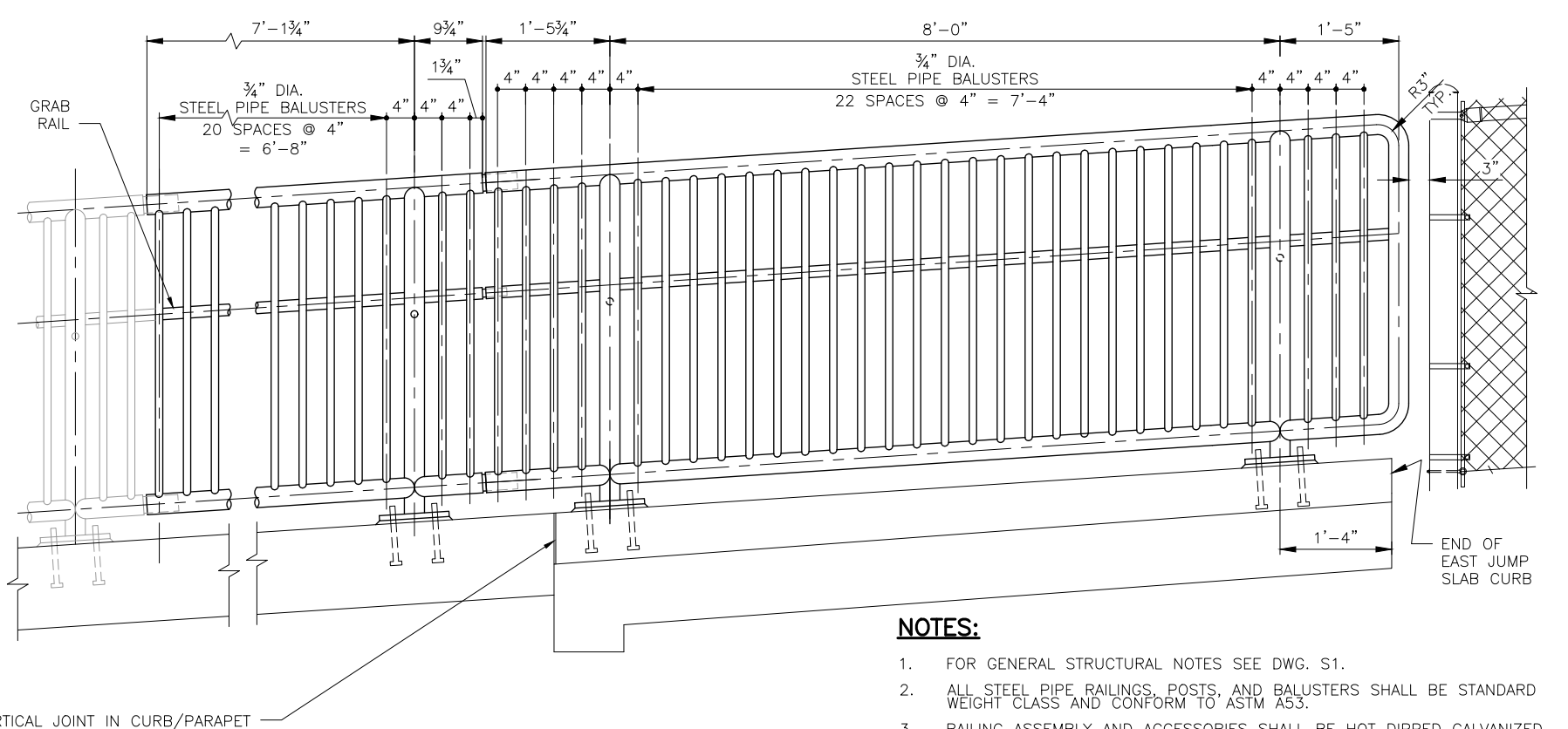
SECTION A
SCALE: 1" = 1'-0"



PLAN - BASE PLATE
SCALE: 3" = 1'-0"



ELEVATION - WEST END SEGMENT
SCALE: 1" = 1'-0"



ELEVATION - EAST END SEGMENT
SCALE: 1" = 1'-0"

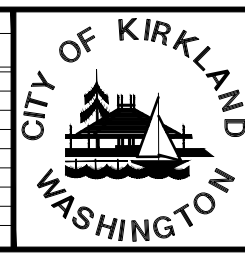
NOTES:

- FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
- ALL STEEL PIPE RAILINGS, POSTS, AND BALUSTERS SHALL BE STANDARD WEIGHT CLASS AND CONFORM TO ASTM A53.
- RAILING ASSEMBLY AND ACCESSORIES SHALL BE HOT DIPPED GALVANIZED.
- RAILING PLANE SHALL BE PLUMB.
- SEE S28 FOR ADDITIONAL DETAILS.

DWG. NO. S27



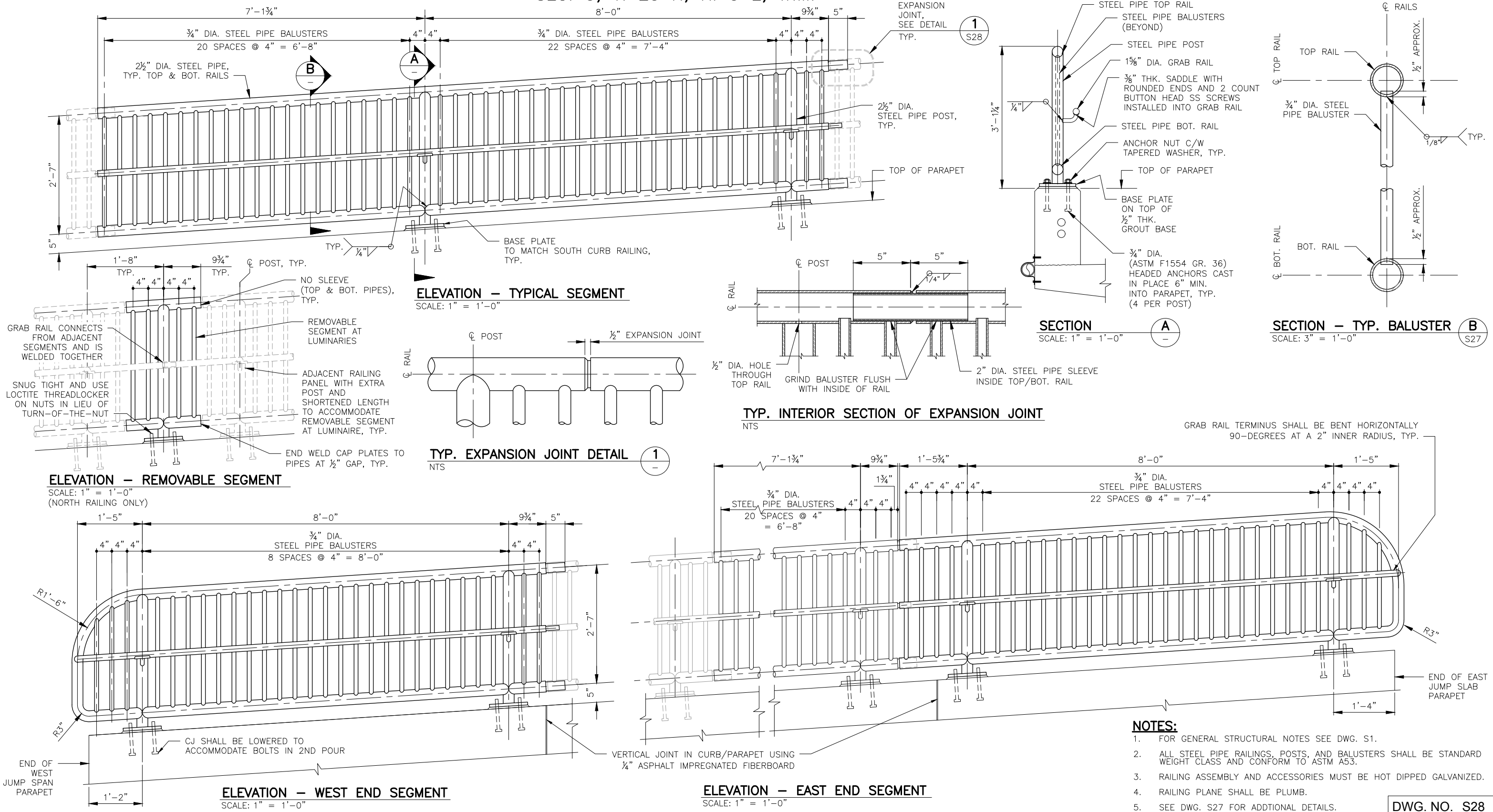
FILE	ENGR.	REVIEW	SCALE	DATE
1219-S27-S28	CB	SV	AS SHOWN	JANUARY 2025
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123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
NE 85TH ST PED-BIKE CONNECTION
BRIDGE PLANS
RAILING - SOUTH CURB

SHEET
56
100

SEC. 5, T. 25 N, R. 5 E, W.M.



FILE	ENGR.	REVIEW	SCALE	DATE
1219-S27-S28	CB	SV	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



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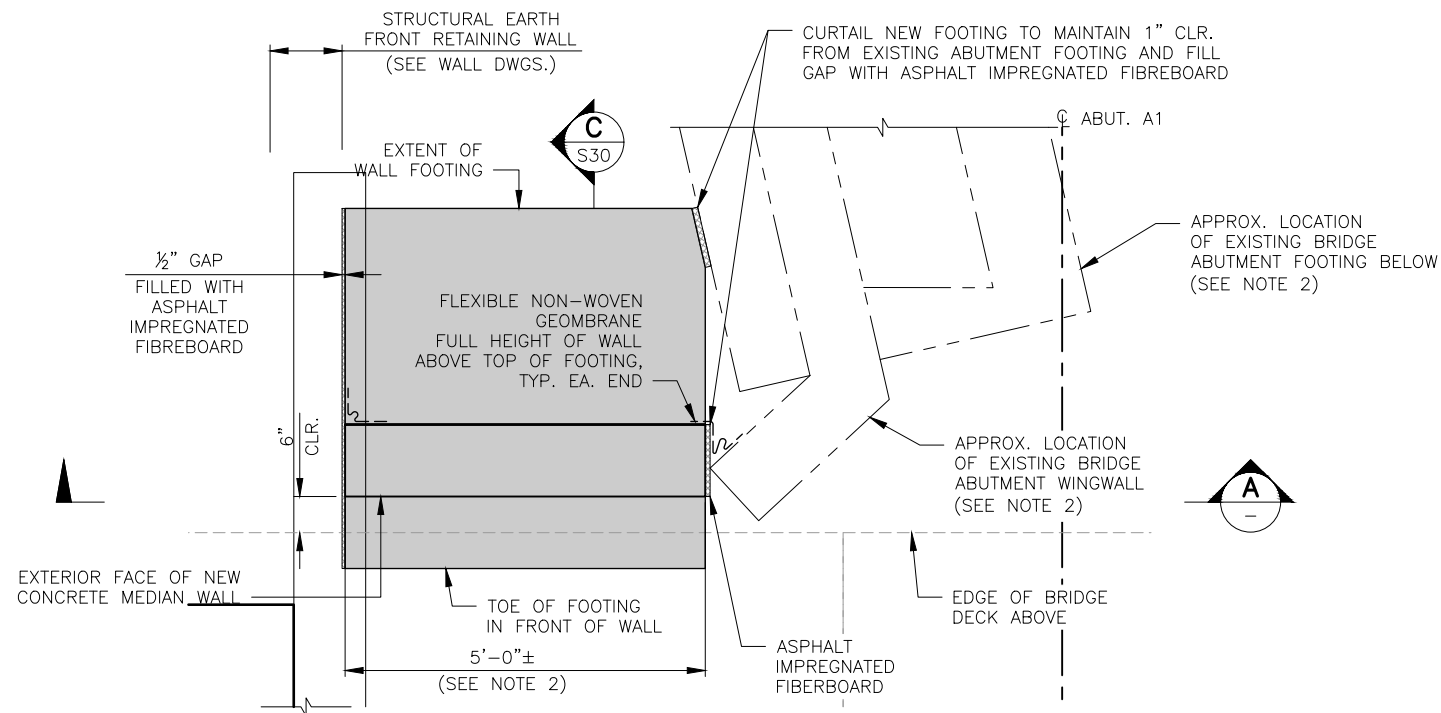
NE 85TH ST PED-BIKE CONNECTION

BRIDGE PLANS
RAILING - NORTH PARAPET

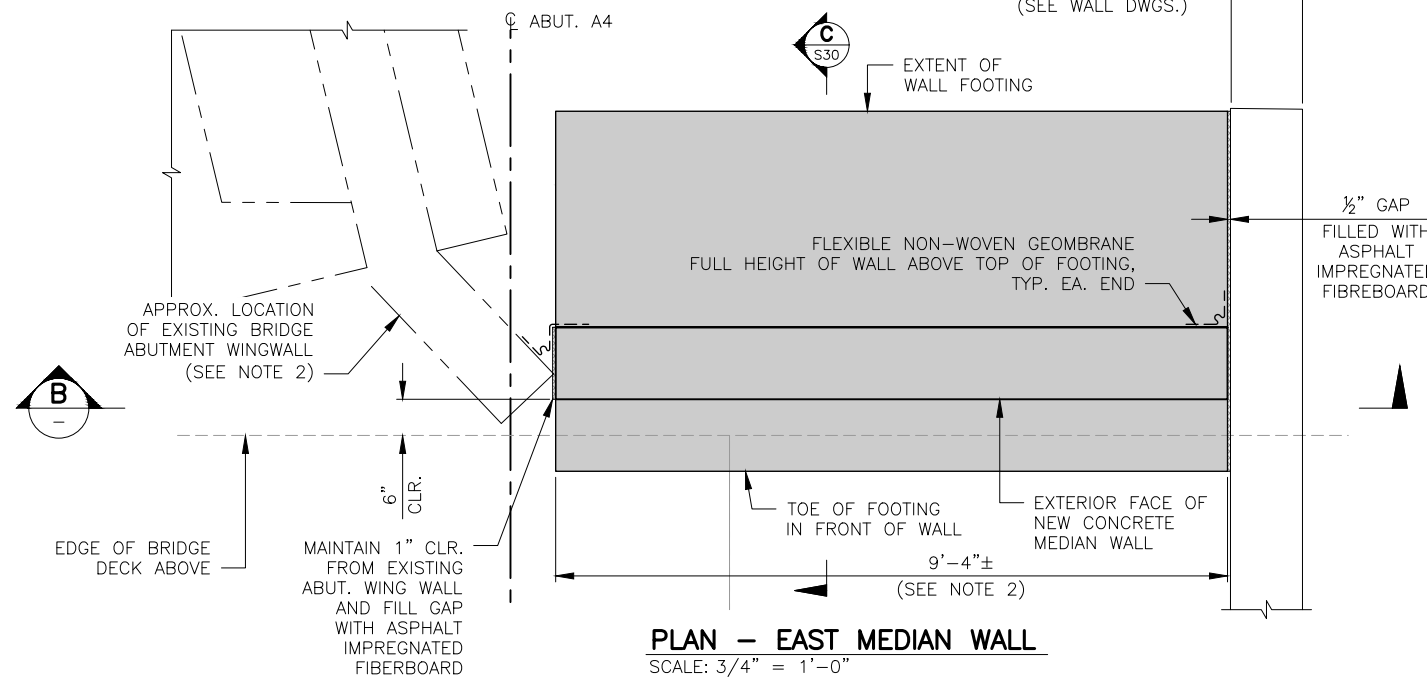
DWG. NO. S28

SHEET
57
100

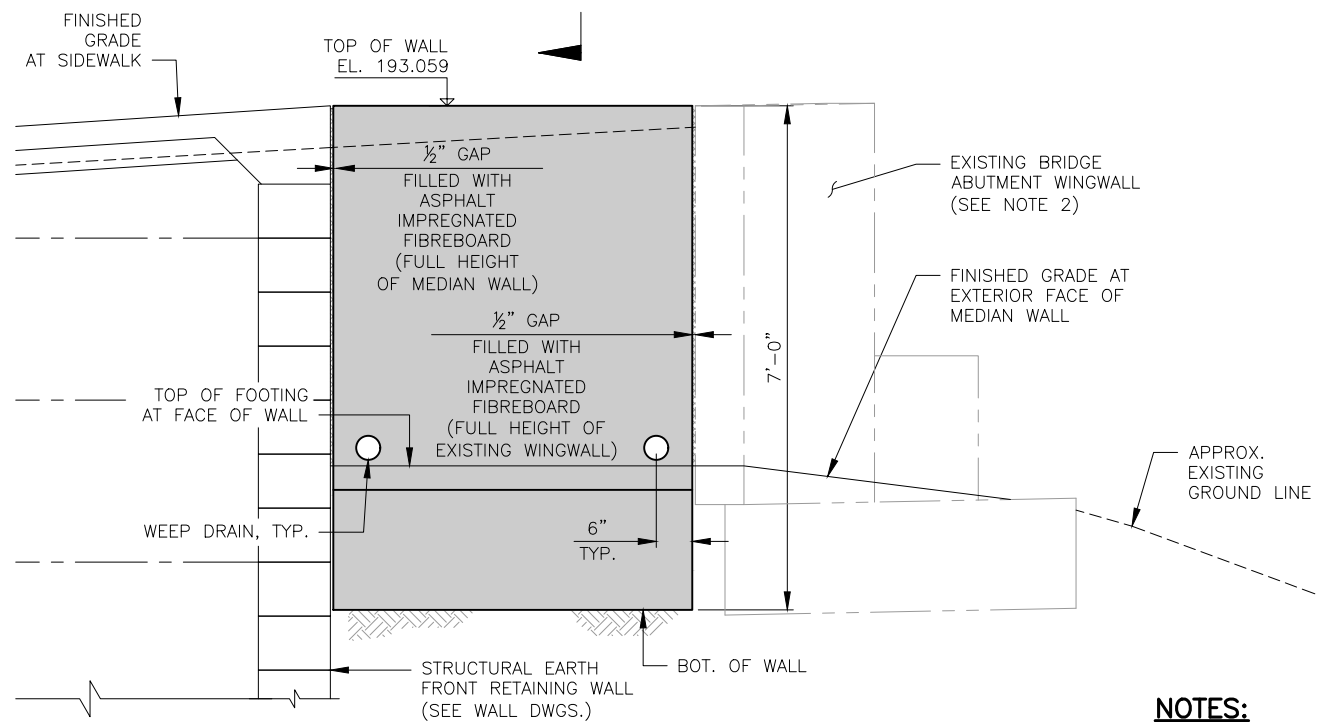
SEC. 5, T. 25 N, R. 5 E, W.M.



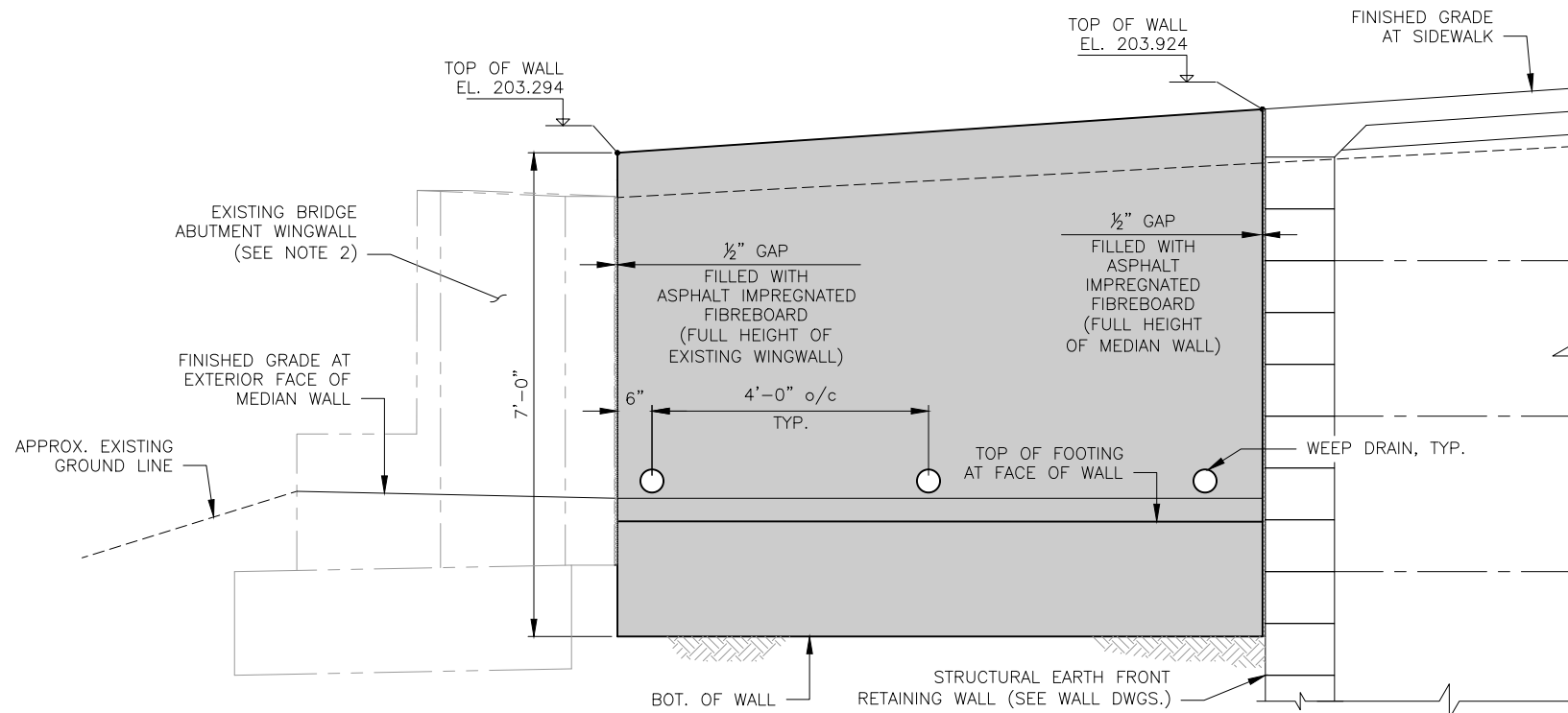
PLAN - WEST MEDIAN WALL
SCALE: 3/4" = 1'-0"



PLAN - EAST MEDIAN WALL
SCALE: 3/4" = 1'-0"



SECTION A
SCALE: 3/4" = 1'-0"



SECTION B
SCALE: 3/4" = 1'-0"

NOTES:

- FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
- WALL LENGTHS ARE APPROXIMATE AND SHALL EXTEND FULL DISTANCE BETWEEN AS-BUILT LOCATIONS OF EXISTING SAWCUT BRIDGE WINGWALL AND NEW STRUCTURAL EARTH FRONT RETAINING WALL.

DWG. NO. S29



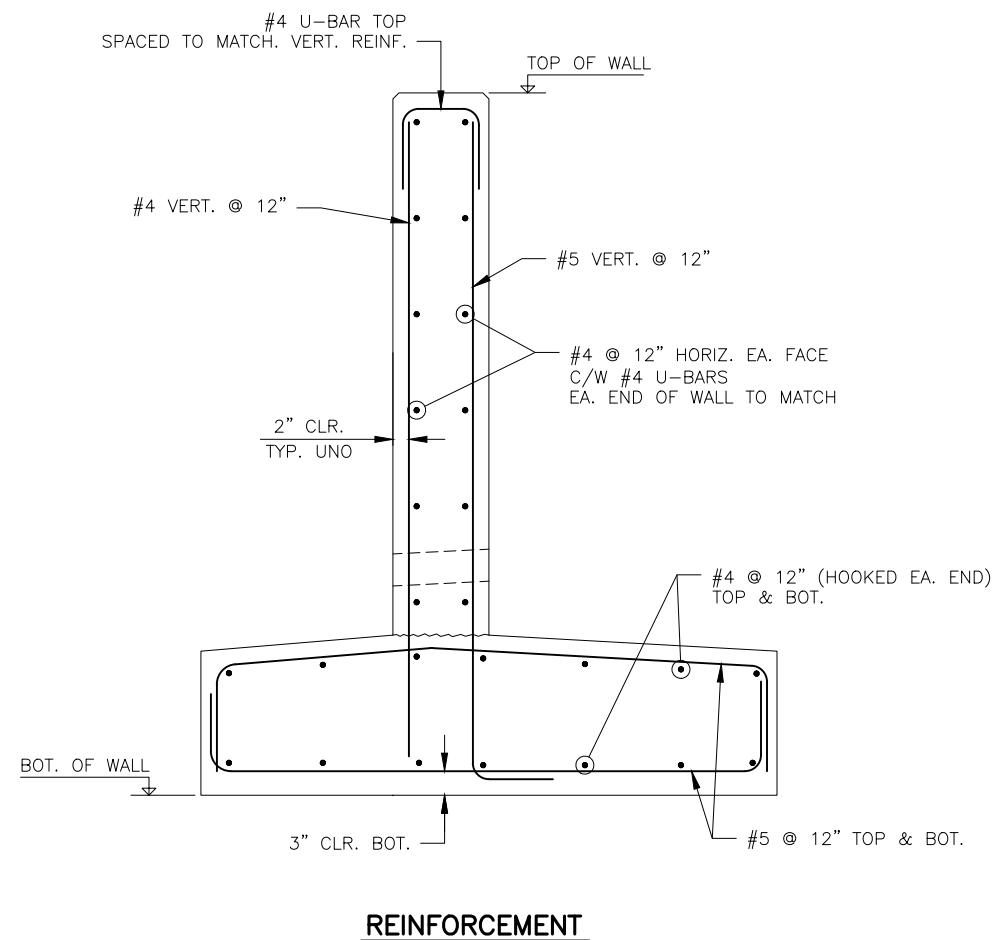
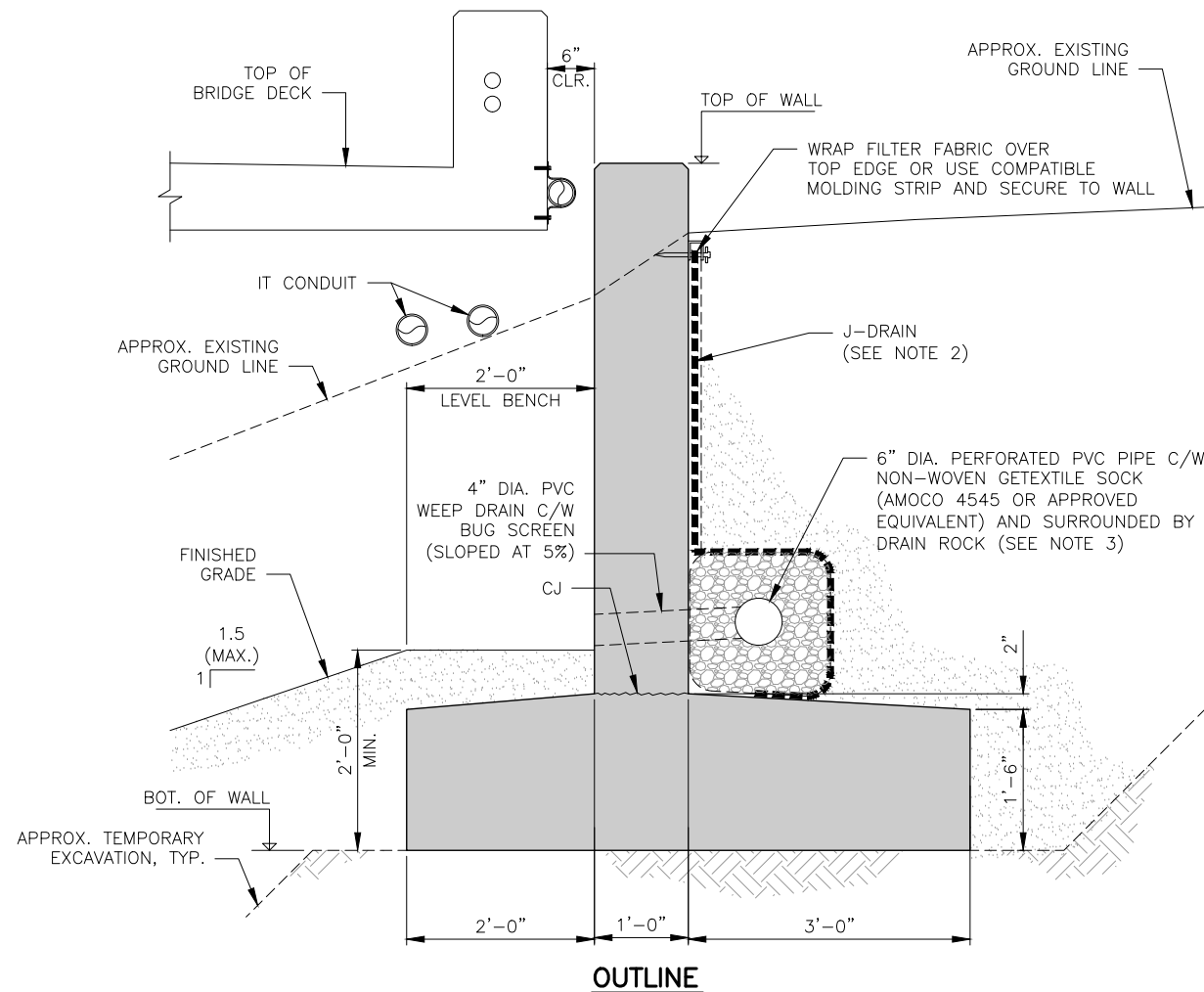
FILE	ENGR.	REVIEW	SCALE	DATE
1219-S29-S30	CB	SV	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



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NE 85TH ST PED-BIKE CONNECTION
BRIDGE PLANS
MEDIAN WALLS - SHEET 1

SHEET
58
100

SEC. 5, T. 25 N, R. 5 E, W.M.



TYP. WALL SECTION C
SCALE: 1/2" = 1'-0"

NOTES:

1. FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
2. J-DRAIN SHALL BE FULL COVERAGE RETAINING WALL SYSTEM BY JDR ENTERPRISES (OR APPROVED EQUIVALENT).
3. PERFORATED DRAIN PIPES SHALL BE 6" DIA. PVC AND SURROUNDED BY 6" MIN. THICK CLEAR CRUSH WHICH IS WRAPPED IN NON-WOVEN GEOTEXTILE.

DWG. NO. S30



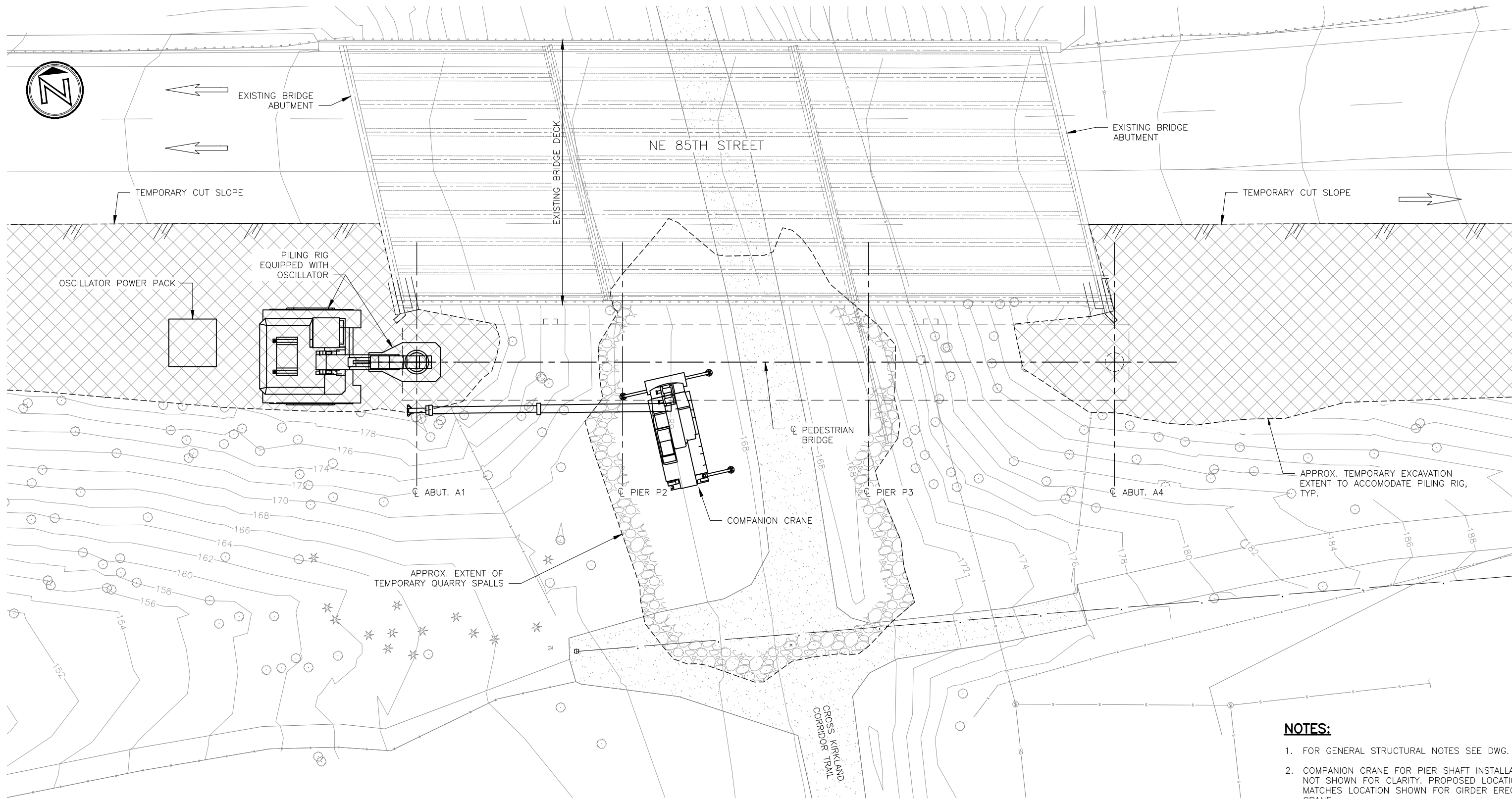
FILE	ENGR.	REVIEW	SCALE	DATE
1219-S29-S30	CB	SV	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



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NE 85TH ST PED-BIKE CONNECTION
BRIDGE PLANS
MEDIAN WALLS - SHEET 2

SHEET
59
100

SEC. 5, T. 25 N, R. 5 E, W.M.



NOTES:

1. FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
2. COMPANION CRANE FOR PIER SHAFT INSTALLATION NOT SHOWN FOR CLARITY. PROPOSED LOCATION MATCHES LOCATION SHOWN FOR GIRDER ERECTION CRANE.

DWG. NO. S31



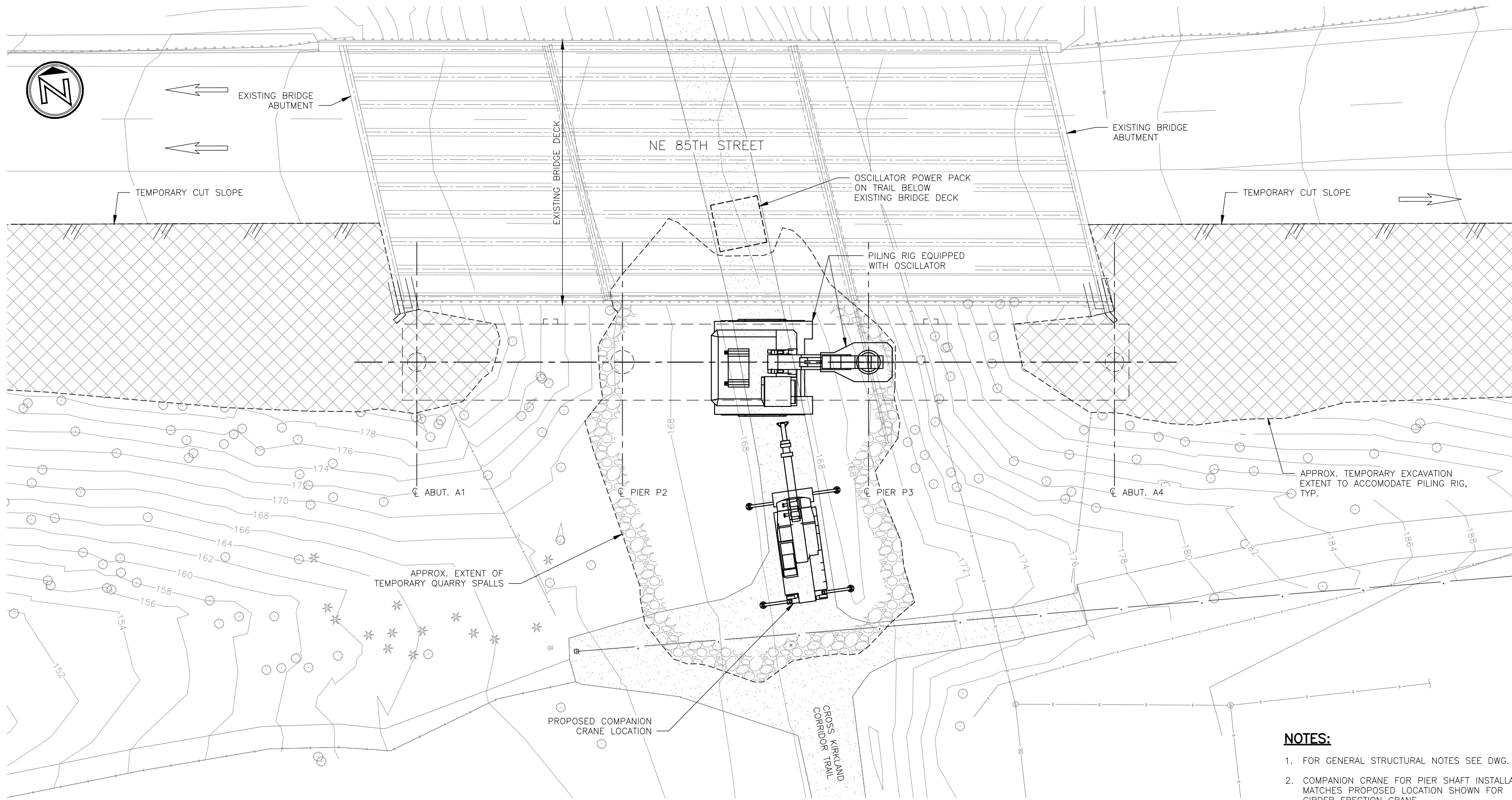
FILE	ENGR.	REVIEW	SCALE	DATE
1219-S31-S36	CB	SV	1" = 10'	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



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 123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
 NE 85TH ST PED-BIKE CONNECTION
 BRIDGE PLANS
 ABUTMENT A1 STAGING PLAN

SHEET
 60
 100

SEC. 5, T. 25 N, R. 5 E, W.M.



NOTES:

1. FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
2. COMPANION CRANE FOR PIER SHAFT INSTALLATION MATCHES PROPOSED LOCATION SHOWN FOR GIRDER ERECTION CRANE.

DWG. NO. S32



FILE	ENGR.	REVIEW	SCALE	DATE
1219-S31-S36	CB	SV	1" = 10'	JANUARY 2025
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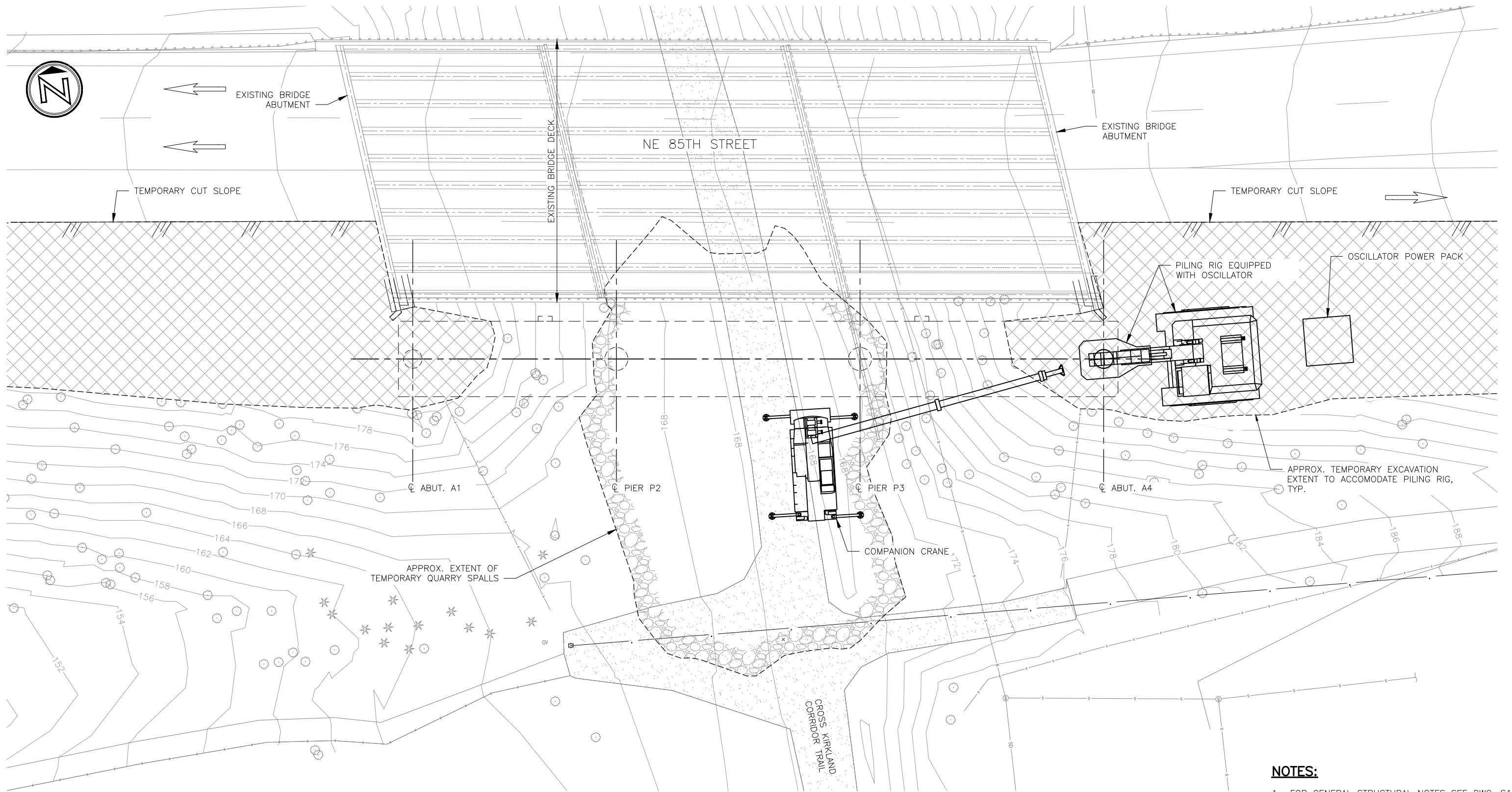
NE 85TH ST PED-BIKE CONNECTION

BRIDGE PLANS
PIER STAGING PLAN

SHEET

61 / 100

SEC. 5, T. 25 N, R. 5 E, W.M.



NOTES:

1. FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.

DWG. NO. S33



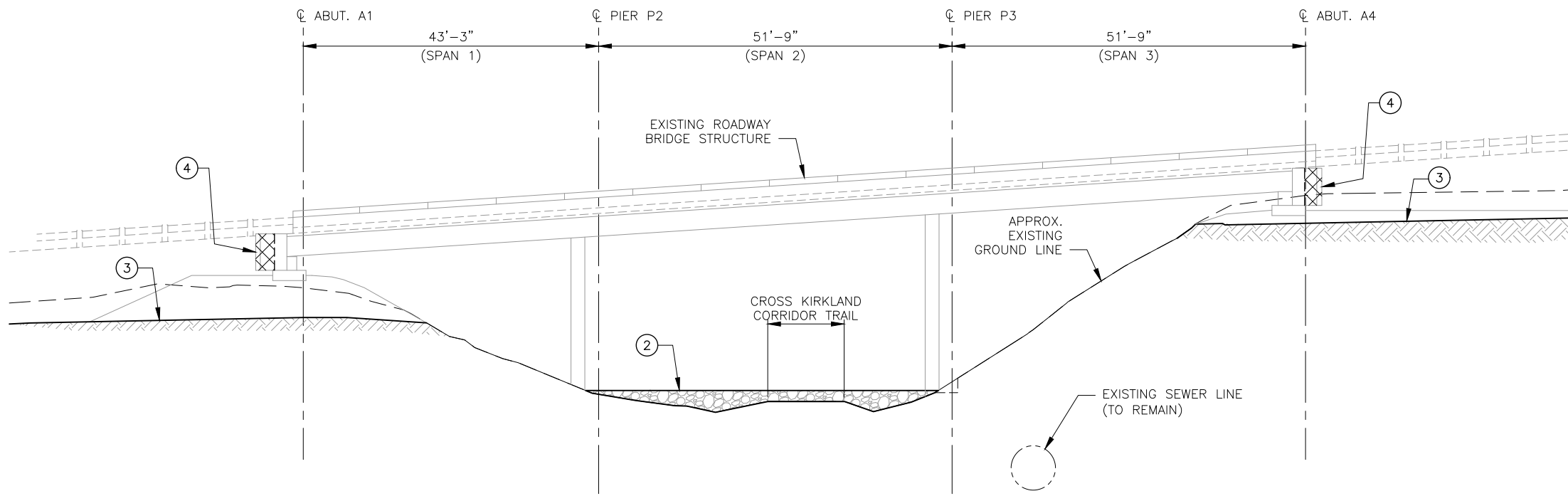
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NO.	REVISION	BY	REVIEW	DATE



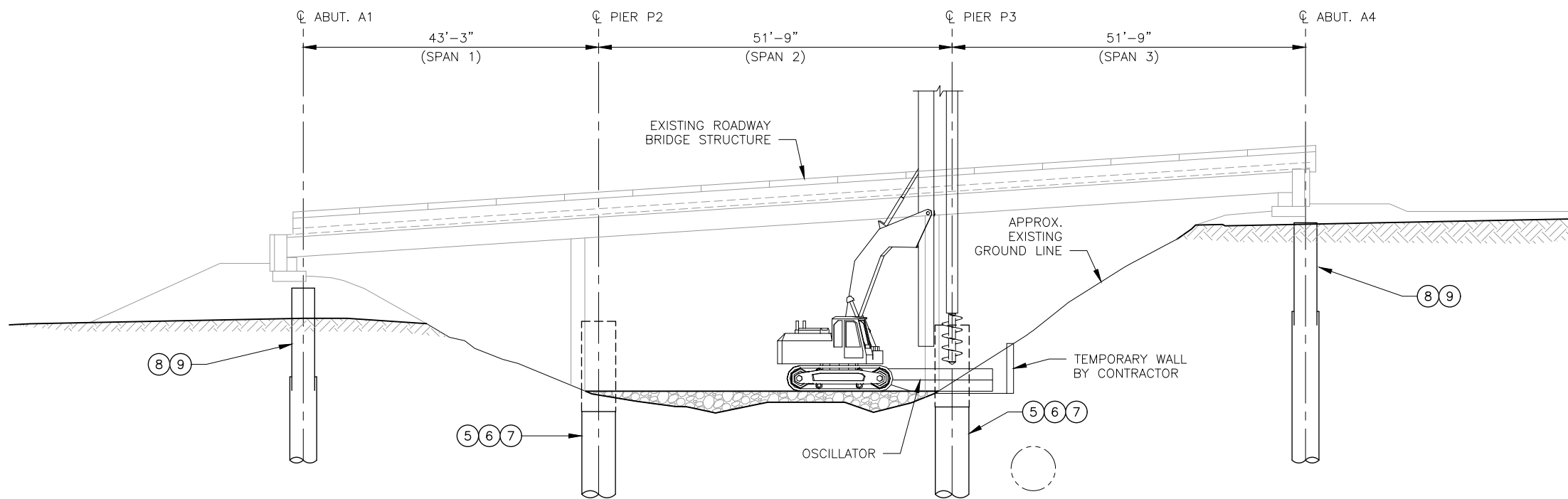
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 NE 85TH ST PED-BIKE CONNECTION
 BRIDGE PLANS
 ABUTMENT A4 STAGING PLAN

SHEET
 62
 100

SEC. 5, T. 25 N, R. 5 E, W.M.



ELEVATION - PHASE 1
SCALE: NTS



ELEVATION - PHASE 2
SCALE: NTS

SUGGESTED CONSTRUCTION STAGING:

- ① FABRICATE GIRDERS OFF-SITE.
- ② ADD TEMPORARY QUARRY SPALLS ACROSS EXISTING TRAIL (WITH TEMPORARY CULVERTS IN THE DITCHES) TO PROVIDE WORK PLATFORM FOR DRILL RIG AND OSCILLATOR TO INSTALL THE PIER DRILLED SHAFTS.
- ③ EXCAVATE THE GROUND AT THE ABUTMENTS (INCLUDING SOUTHERN LANE OF NE85th STREET AND BEHIND EXISTING WING WALLS AND ABUTMENTS) TO CREATE LEVEL BENCH FOR DRILL RIG AND OSCILLATOR.
- ④ SAW CUT EXISTING CONCRETE BRIDGE WINGWALLS AS SPECIFIED ON THE PLANS.
- ⑤ ARTESIAN PRESSURE EXISTS AT THE SITE. THEREFORE, MEASURES TO MAINTAIN SUFFICIENT WATER HEAD NEED TO BE IMPLEMENTED AT THE PIERS SHAFT CONSTRUCTION.
- ⑥ INSTALL DRILLED SHAFTS AT THE PIERS, UTILIZING A 10'-0" EXTENSION OF THE TEMPORARY CASING ABOVE GRADE FILLED WITH WATER TO MAINTAIN A WATER HEAD TO BALANCE ARTESIAN PRESSURE.
- ⑦ PLACE SHAFT REINFORCING CAGE IN EACH PIER SHAFT, POUR CONCRETE USING TREMIE, PUMP DISPLACED WATER FROM CASING INTO BAKER TANKS, EXTRACT TEMPORARY CASING, LEAVING PERMANENT CASING AT TOP OF SHAFT AT COLUMN SPLICE ZONES WITH 10'-0" EXTENSION ABOVE GRADE WHILE MAINTAINING WATER HEAD.
- ⑧ INSTALL DRILLED SHAFTS AT THE ABUTMENTS USING TEMPORARY CASING.
- ⑨ PLACE SHAFT REINFORCING CAGE, POUR CONCRETE USING TREMIE, EXTRACT TEMPORARY CASING, AND INSTALL SLIP CASING AT THE UPPER PORTION OF SHAFT.

NOTES:

1. FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.

DWG. NO. S34



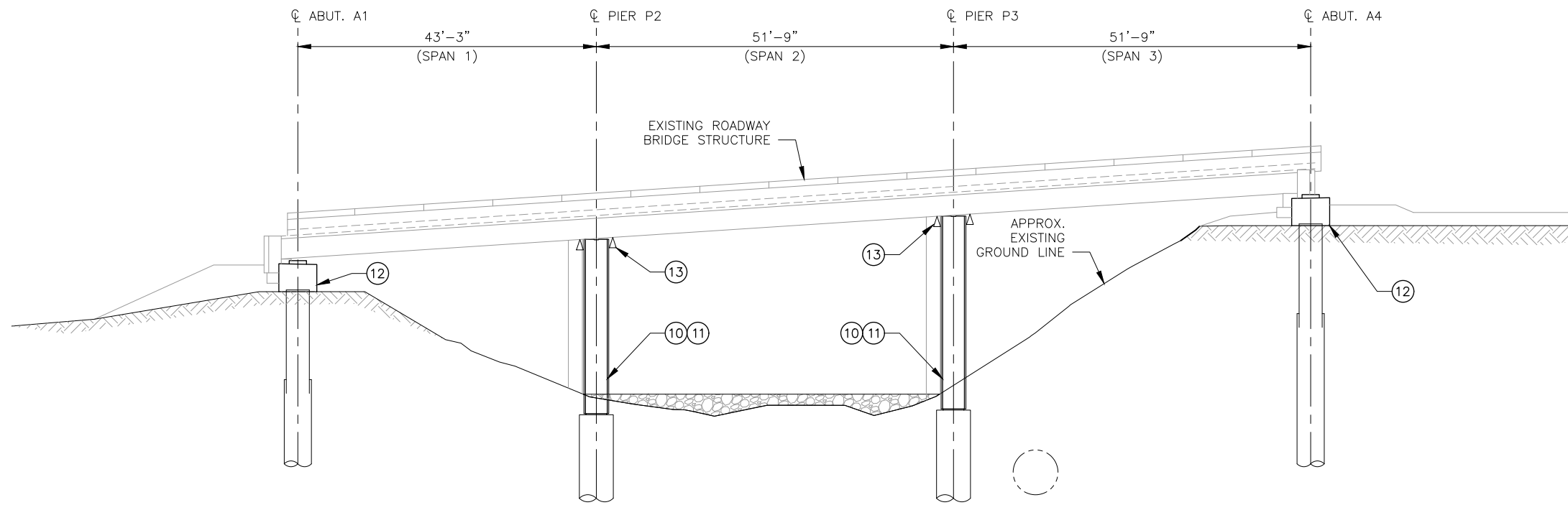
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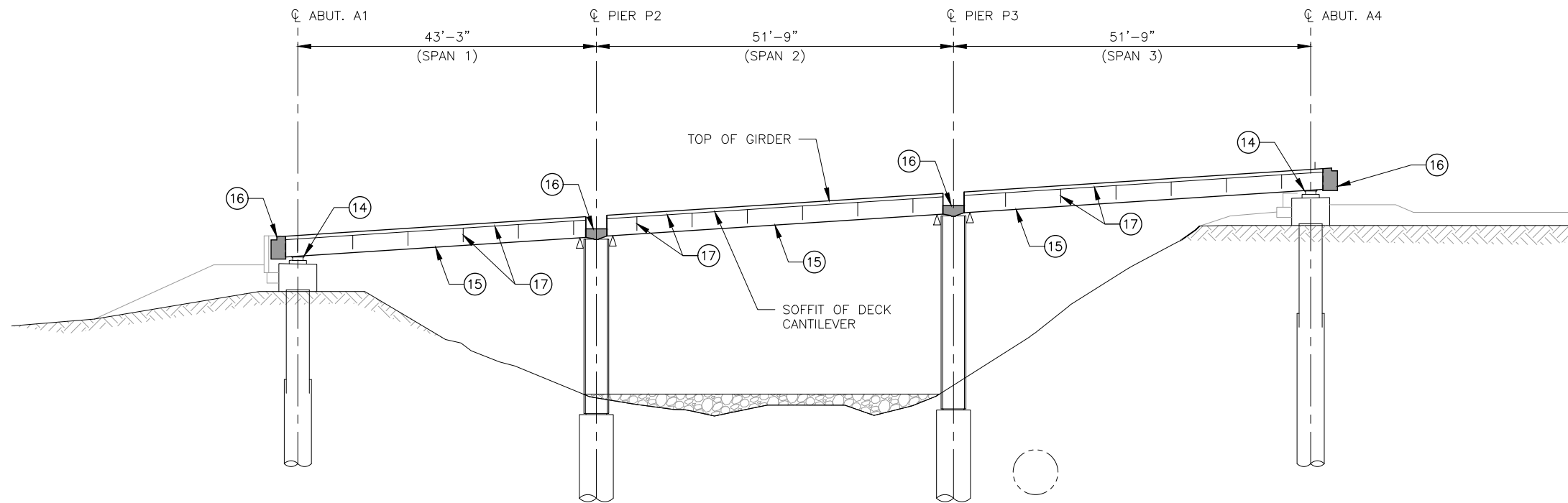
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NE 85TH ST PED-BIKE CONNECTION
BRIDGE PLANS
CONSTRUCTION STAGING - SHEET 1

SHEET
63
100

SEC. 5, T. 25 N, R. 5 E, W.M.



ELEVATION - PHASE 3
SCALE: NTS



ELEVATION - PHASE 4
SCALE: NTS

SUGGESTED CONSTRUCTION STAGING:

- 10 TRIM CASING TO FINAL ELEVATIONS, INSTALL CIRCULAR PIER COLUMN REINFORCING CAGES, STAND FORMS, AND INSTALL ARCHITECTURAL REINFORCEMENT AND CAPITAL REINFORCEMENT.
- 11 CLOSE PIER FORMS, POUR CONCRETE USING TREMIE AND CURE PIERS FOR REQUIRED DURATION.
- 12 FORM ABUTMENT PILE CAPS, INSTALL REINFORCING AND POUR CONCRETE. WITH PEDESTAL CJ FORM PEDESTALS AS SECOND POUR TO TARGET ELEVATIONS WITH LIGHT BROOM FINISH.
- 13 ASSEMBLE TEMPORARY SHORING TOWERS AT PIERS OR UTILIZE TEMPORARY BRACKETS WITH CROSSBEAMS TO SUPPORT GIRDERS.
- 14 INSTALL BEARINGS AT ABUTMENTS.
- 15 ERECT GIRDERS FOR ALL 3 SPANS.
- 16 INSTALL REINFORCEMENT AND POUR PARTIAL DEPTH DIAPHRAGMS AT PIERS AND FULL DEPTH DIAPHRAGMS AT ABUTMENTS.
- 17 INSTALL OVERHANG BRACKETS AND FORMWORK ALONG EACH EDGE OF BRIDGE.

TEMPORARY STRAND CUTTING SEQUENCE:

1. ERECT AND BRACE GIRDERS ON TEMPORARY SUPPORTS AT EACH FACE OF PIER USING SHORING TOWERS OR SIMILAR.
2. BLOCKOUTS FOR STRAND DETENSIONING SHALL BE LOCATED ON THE LOW SIDE OF THE GIRDER.
3. JUST PRIOR TO CUTTING TEMPORARY STRANDS REMOVE EXPANDED POLYSTYRENE IN BLOCKOUTS IN TOP FACE OF GIRDERS. ONCE THE EXPANDED POLYSTYRENE HAS BEEN REMOVED FROM THE STRAND DETENSIONING BLOCKOUT, PREVENT MOISTURE FROM ENTERING THE BLOCKOUT UNTIL THE TEMPORARY TOP STRAND IS CUT AND THE BLOCKOUT IS FILLED WITH GROUT.
4. CUT STRANDS IN BLOCKOUTS 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 MUST BE RELEASED IN A SYMMETRICAL MANNER ABOUT THE GIRDER CENTERLINE STARTING WITH THOSE NEAREST FROM THE CENTERLINE AND WORKING OUTWARDS.
5. WITHIN 24 HOURS OF CUTTING THE TEMPORARY STRANDS, FILL THE BLOCKOUTS WITH GROUT CONFORMING TO STD SPEC 9-20.3(2). REMOVE ALL MOISTURE IN BLOCKOUTS PRIOR TO FILLING THEM WITH GROUT.

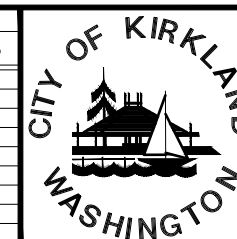
NOTES:

1. FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.
2. CONTRACTOR SHALL DEVELOP ENGINEERED PLANS FOR THE TEMPORARY GIRDER SUPPORTS AND SHORING FOR APPROVAL BY EOR. THE DEPICTION ILLUSTRATED HEREIN IS NOT INTENDED TO DEPICT THE CONTRACTOR'S MEANS AND METHODS. CONTRACTOR SHALL LOCATE, DESIGN, CONSTRUCT, AND REMOVE THE TEMPORARY SUPPORTS.
3. BOTTOM PORTION OF PIER DIAPHRAGM SHALL NOT BE CAST UNTIL GIRDERS REACH A MINIMUM OF 28 DAY AGE.
4. LIVE LOAD SHALL NOT BE PERMITTED ON THE BRIDGE SPANS PRIOR TO THE FIRST STAGE PIER DIAPHRAGM REACHING A MINIMUM 3000 PSI COMPRESSIVE STRENGTH.

DWG. NO. S35



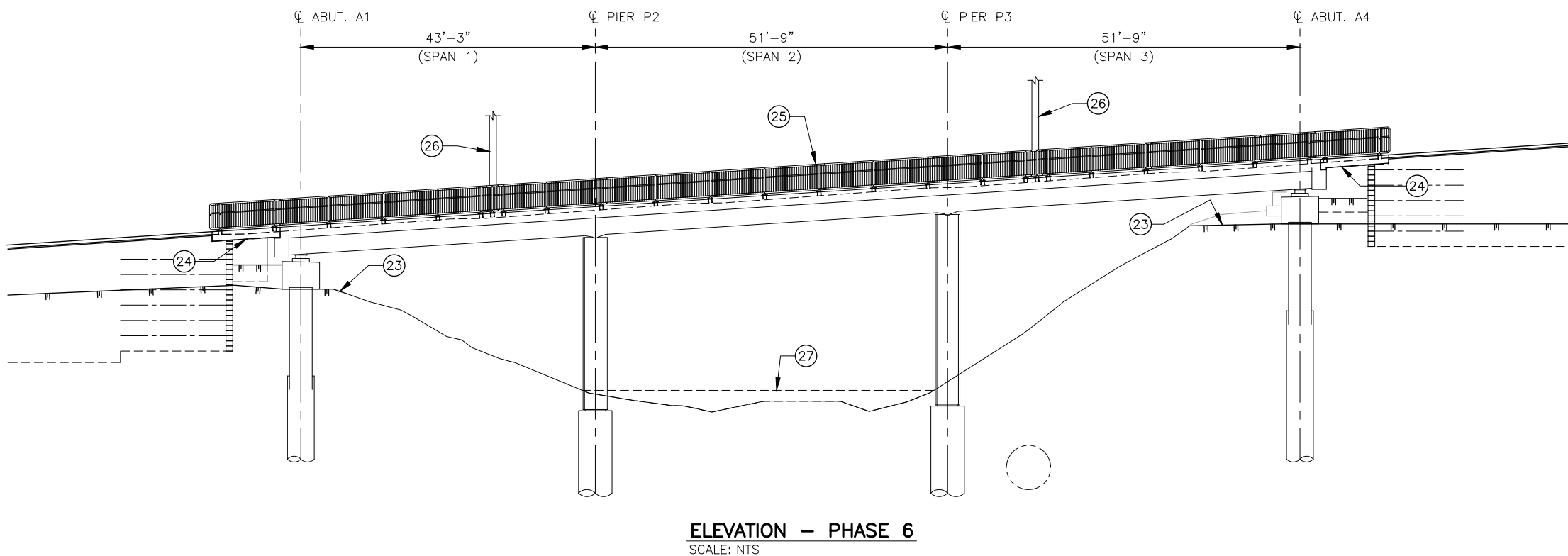
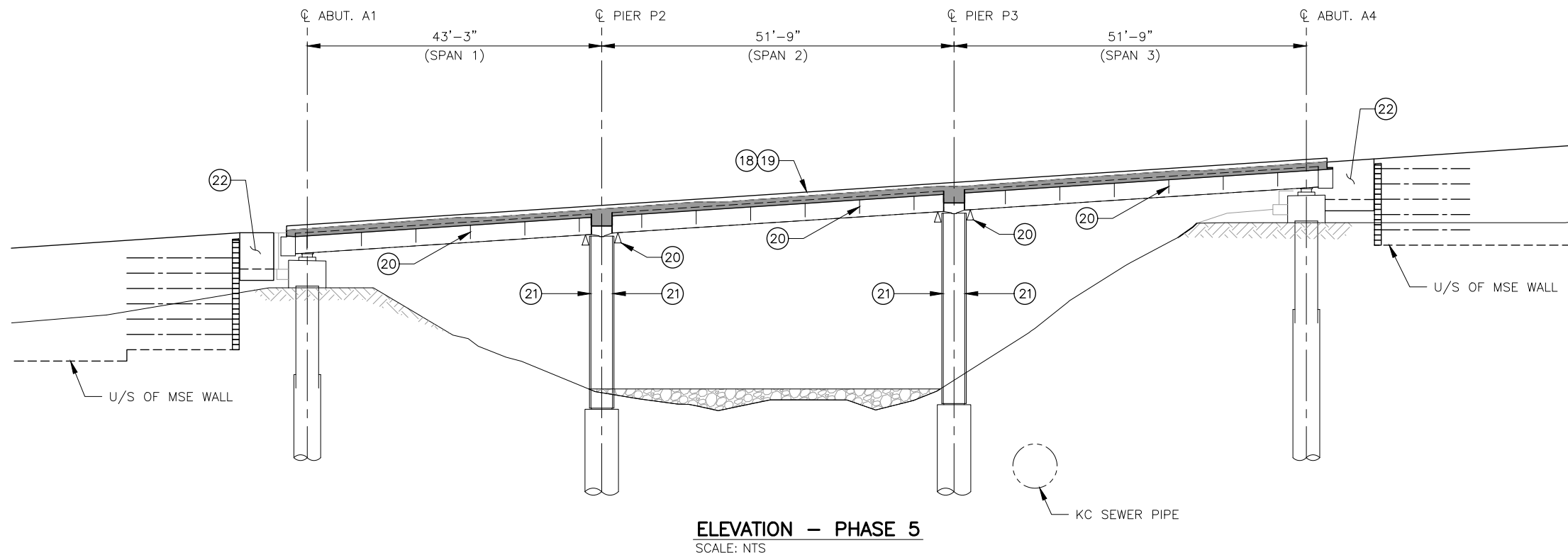
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NO.	REVISION	BY	REVIEW	DATE



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NE 85TH ST PED-BIKE CONNECTION
BRIDGE PLANS
CONSTRUCTION STAGING - SHEET 2

SHEET
64
100

SEC. 5, T. 25 N, R. 5 E, W.M.



SUGGESTED CONSTRUCTION STAGING:

- (18) INSTALL DECK AND CURB REINFORCEMENT, CONDUIT, JUNCTION BOXES, AND POUR DECK FROM WEST TO EAST (LOW TO HIGH). POUR PIER DIAPHRAGM SECOND STAGES AFTER EACH SPAN IS POURED.
- (19) IMMEDIATELY AFTER THE DECK IS FINISHED, INSTALL THE CURING SYSTEM COMPRISED OF PRE-SOAKED BURLAP, SOAKER HOSES WITH APPROVED MANIFOLD SETUP BY WATER TANKS ON SITE, AND COVERED BY WHITE REFLECTIVE PLASTIC SHEETING (AND WIND RESTRAINTS) TO WET CURE THE DECK FOR 14 DAYS. CAST BRIDGE CURB AND PARAPET AS SECOND STAGE.
- (20) AFTER DECK CONCRETE IS FULLY CURED AND HAS REACHED 28 DAY STRENGTH, REMOVE OVERHANG SOFFIT FORMS AND ANY TEMPORARY GIRDER SUPPORTS.
- (21) APPLY PIGMENTED SEALER TO EXPOSED CONCRETE AFTER MIN. 28 DAYS.
- (22) FOLLOWING THE COMPLETION OF APPROACH MSE WALL CONSTRUCTION (INCLUDING SHORT TERM WALL SETTLEMENT AS PER GEOTECHNICAL RECOMMENDATIONS), CONSTRUCT CAST-IN-PLACE MEDIAN WALLS ADJACENT TO JUMP SPANS.
- (23) REMOVE ANY TEMPORARY FILLS AND REPLACE WITH FINISHED EARTHWORKS GRADING.
- (24) FORM AND CONSTRUCT JUMP SPANS AT EACH END OF BRIDGE.
- (25) INSTALL PRE-FABRICATED RAILING SYSTEM ALONG EACH SIDE OF BRIDGE.
- (26) INSTALL ELECTRICAL WIRING AND LIGHTING.
- (27) REMOVE QUARRY SPALLS AND RE-INSTATE EXISTING TRAIL.

NOTES:

1. FOR GENERAL STRUCTURAL NOTES SEE DWG. S1.

DWG. NO. S36



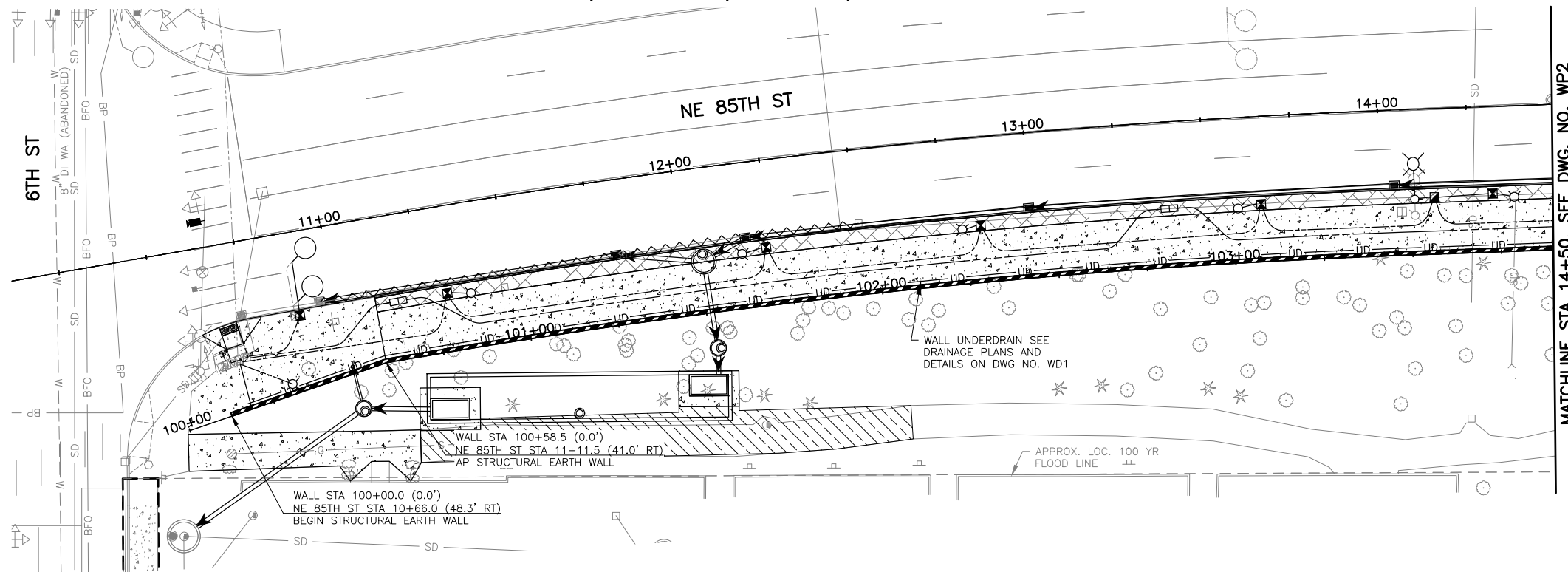
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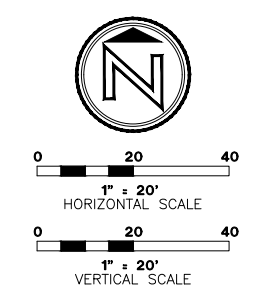
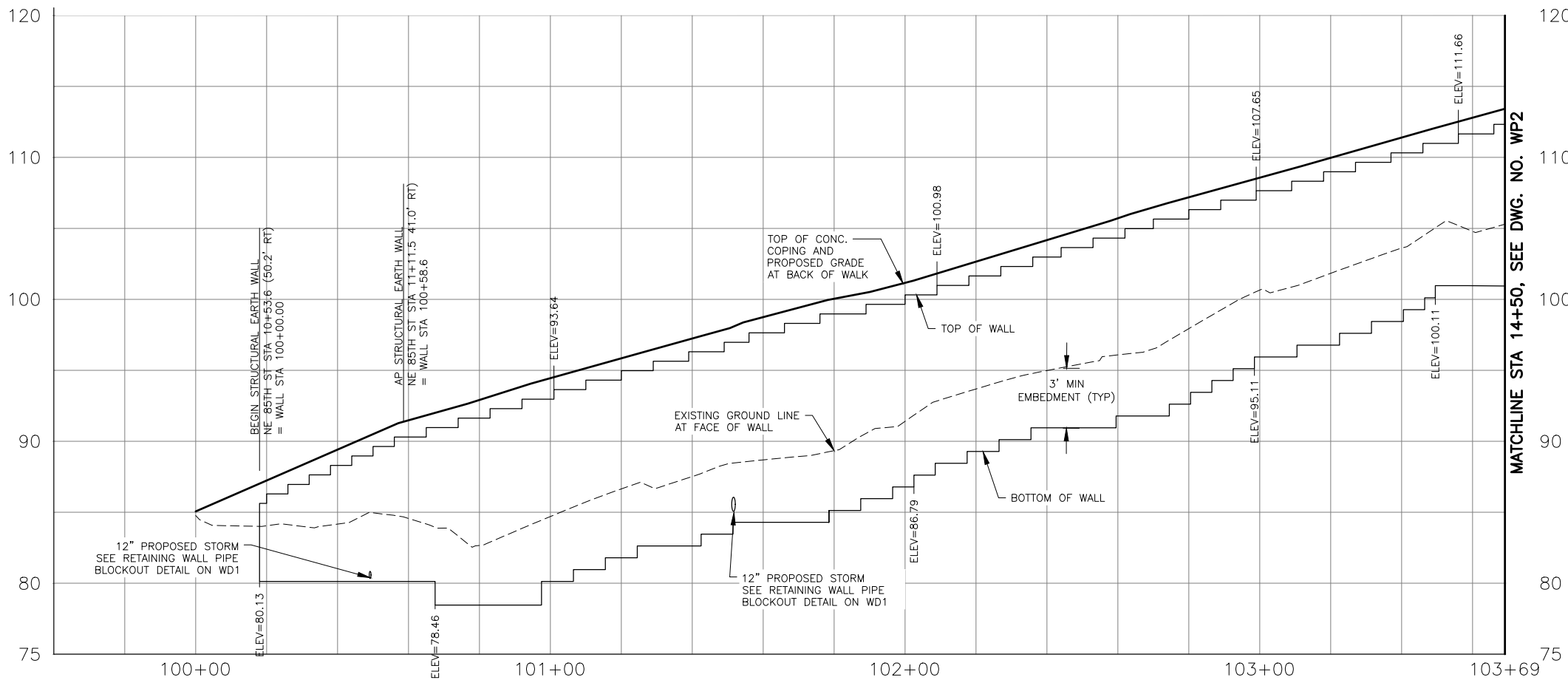
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BRIDGE PLANS
CONSTRUCTION STAGING - SHEET 3

SHEET
65
100

SEC. 5, T. 25 N, R. 5 E, W.M.



- GENERAL NOTES:**
- SEE SPECIAL PROVISIONS FOR WALL DESIGN REQUIREMENTS.
 - ALL CONSTRUCTION MUST CONFORM TO WALL MANUFACTURER SPECIFICATIONS AND REQUIREMENTS.
 - REINFORCING ZONE SHOWN IN PLANS ARE APPROXIMATE AND ARE CONTINGENT UPON THE APPROVED WALL PLANS BY THE CONTRACTOR. GEOGRID SPACING AND LENGTH SHALL MEET ALL MANUFACTURER REQUIREMENTS.
 - ALL STATIONS AND OFFSETS ARE MEASURED TO THE FACE OF WALL.
 - REFERENCE DETAILS, DWG NO. WD1.
 - CONNECT UNDERDRAIN PIPE TO DRAINAGE STRUCTURE AS SHOWN IN PLAN. PROVIDE POSITIVE FLOW FROM WALL TO DRAINAGE STRUCTURE.
 - ELEVATIONS SHOWN ARE INFORMATIONAL ONLY. THE CONTRACTOR SHALL SUBMIT WALL PLANS THAT MEET THE REQUIREMENTS OF THE PLANS, SPECS AND MANUFACTURER.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY AND LOCATE ALL UTILITY CROSSINGS THROUGH, UNDER AND AROUND WALLS.
 - CONSTRUCTION SHALL BE PHASED SUCH THAT GEOGRID IS NOT DAMAGED DURING UTILITY INSTALLATION.
 - CONTRACTOR SHALL COORDINATE WITH WALL MANUFACTURER TO ENSURE THAT ALL FOUNDATIONS AND STORM DRAINAGE FACILITIES SHALL BE ACCOMMODATED BY WALL GEOGRIDS.



DWG. NO. WP1

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



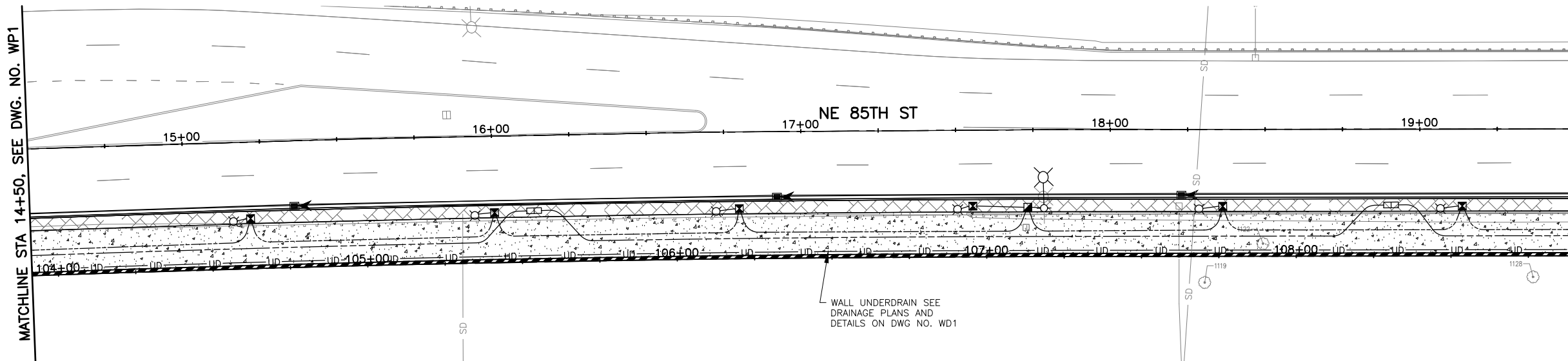
FILE	ENGR.	REVIEW	SCALE	DATE
WP1	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



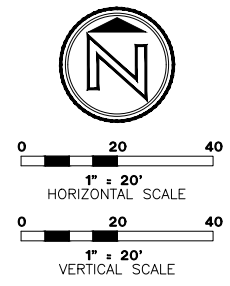
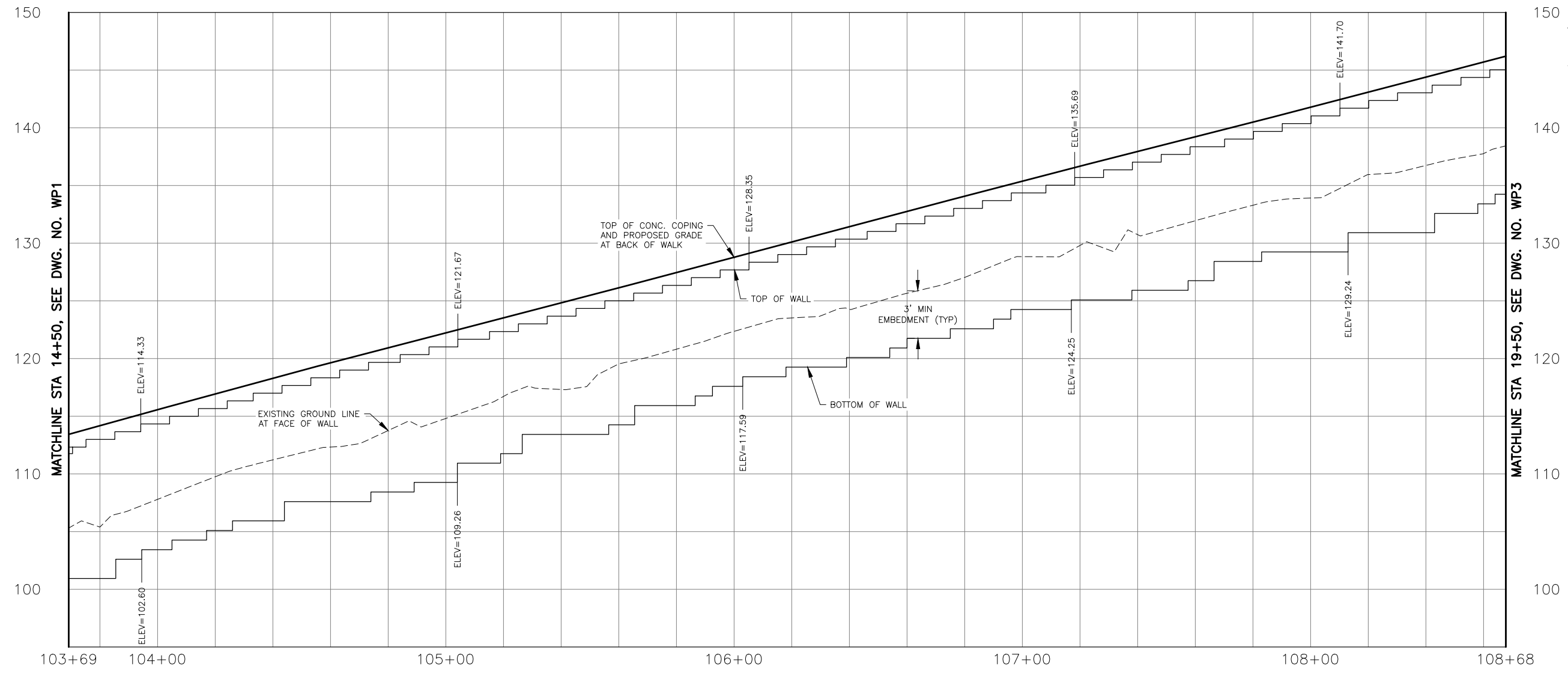
CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
NE 85TH ST PED-BIKE CONNECTION
WALL PLAN AND ELEVATION

SHEET
66
100

SEC. 5, T. 25 N, R. 5 E, W.M.



- GENERAL NOTES:**
- SEE SPECIAL PROVISIONS FOR WALL DESIGN REQUIREMENTS.
 - ALL CONSTRUCTION MUST CONFORM TO WALL MANUFACTURER SPECIFICATIONS AND REQUIREMENTS.
 - REINFORCING ZONE SHOWN IN PLANS ARE APPROXIMATE AND ARE CONTINGENT UPON THE APPROVED WALL PLANS BY THE CONTRACTOR. GEGRID SPACING AND LENGTH SHALL MEET ALL MANUFACTURER REQUIREMENTS.
 - ALL STATIONS AND OFFSETS ARE MEASURED TO THE FACE OF WALL.
 - REFERENCE DETAILS, DWG NO. WD1.
 - CONNECT UNDERDRAIN PIPE TO DRAINAGE STRUCTURE AS SHOWN IN PLAN. PROVIDE POSITIVE FLOW FROM WALL TO DRAINAGE STRUCTURE.
 - ELEVATIONS SHOWN ARE INFORMATIONAL ONLY. THE CONTRACTOR SHALL SUBMIT WALL PLANS THAT MEET THE REQUIREMENTS OF THE PLANS, SPECS AND MANUFACTURER.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY AND LOCATE ALL UTILITY CROSSINGS THROUGH, UNDER AND AROUND WALLS.
 - CONSTRUCTION SHALL BE PHASED SUCH THAT GEGRID IS NOT DAMAGED DURING UTILITY INSTALLATION.
 - CONTRACTOR SHALL COORDINATE WITH WALL MANUFACTURER TO ENSURE THAT ALL FOUNDATIONS AND STORM DRAINAGE FACILITIES SHALL BE ACCOMMODATED BY WALL GEOGRIDS.



DWG. NO. WP2

PERTEET
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EVERETT, WA 98201
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FILE	ENGR.	REVIEW	SCALE	DATE
WP2	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



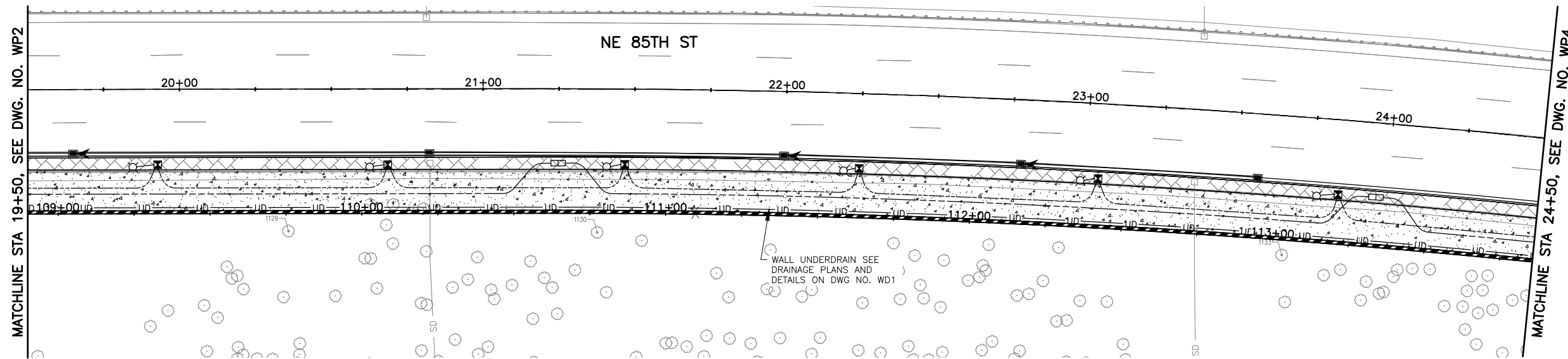
CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800

NE 85TH ST PED-BIKE CONNECTION

WALL PLAN AND ELEVATION

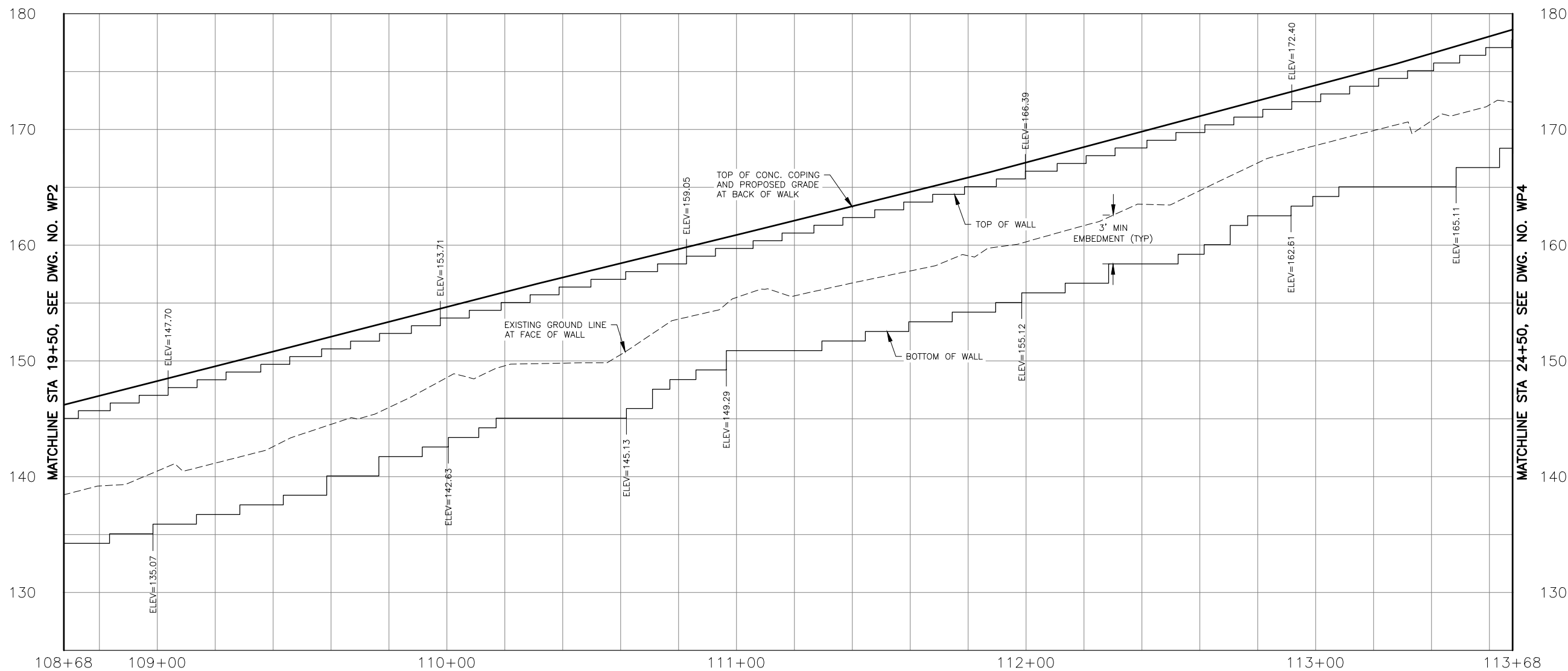
SHEET
67
100

SEC. 5, T. 25 N, R. 5 E, W.M.



GENERAL NOTES:

1. SEE SPECIAL PROVISIONS FOR WALL DESIGN REQUIREMENTS.
2. ALL CONSTRUCTION MUST CONFORM TO WALL MANUFACTURER SPECIFICATIONS AND REQUIREMENTS.
3. REINFORCING ZONE SHOWN IN PLANS ARE APPROXIMATE AND ARE CONTINGENT UPON THE APPROVED WALL PLANS BY THE CONTRACTOR. GEGRID SPACING AND LENGTH SHALL MEET ALL MANUFACTURER REQUIREMENTS.
4. ALL STATIONS AND OFFSETS ARE MEASURED TO THE FACE OF WALL.
5. REFERENCE DETAILS, DWG NO. WD1.
6. CONNECT UNDERDRAIN PIPE TO DRAINAGE STRUCTURE AS SHOWN IN PLAN. PROVIDE POSITIVE FLOW FROM WALL TO DRAINAGE STRUCTURE.
7. ELEVATIONS SHOWN ARE INFORMATIONAL ONLY. THE CONTRACTOR SHALL SUBMIT WALL PLANS THAT MEET THE REQUIREMENTS OF THE PLANS, SPECS AND MANUFACTURER.
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10. CONTRACTOR SHALL COORDINATE WITH WALL MANUFACTURER TO ENSURE THAT ALL FOUNDATIONS AND STORM DRAINAGE FACILITIES SHALL BE ACCOMMODATED BY WALL GEGRIDS.



0 20 40

1" = 20'
HORIZONTAL SCALE

0 20 40

1" = 20'
VERTICAL SCALE

DWG. NO. WP3

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



FILE	ENGR.	REVIEW	SCALE	DATE
WP3	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



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PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800

NE 85TH ST PED-BIKE CONNECTION

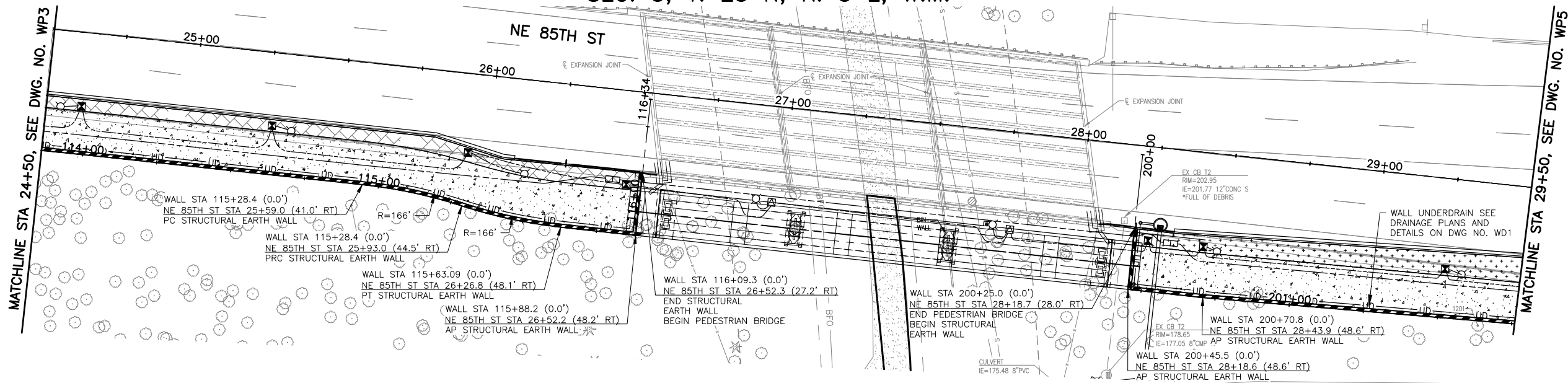
WALL PLAN AND ELEVATION

SHEET

68

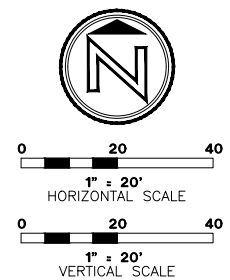
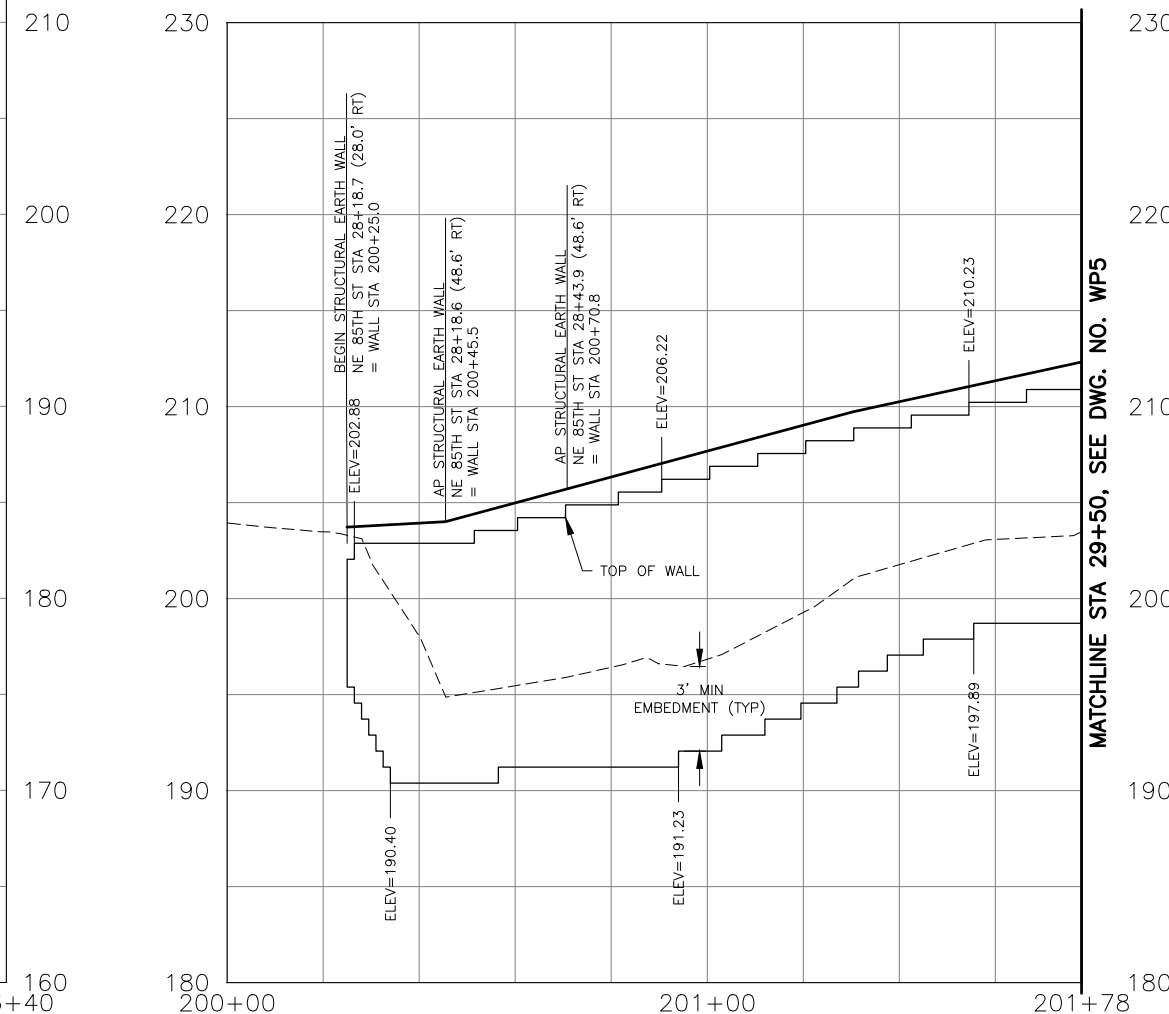
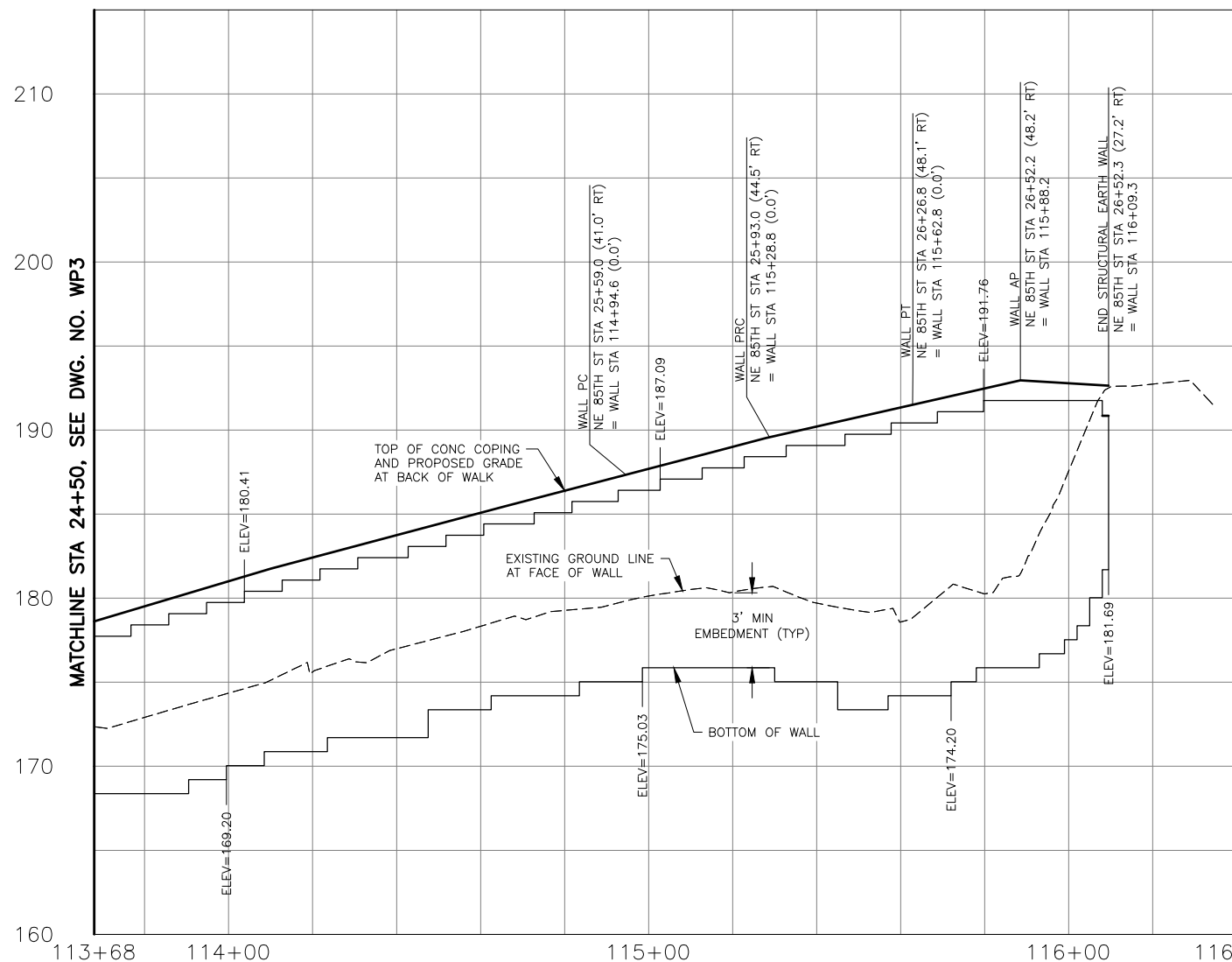
100

SEC. 5, T. 25 N, R. 5 E, W.M.



GENERAL NOTES:

1. SEE SPECIAL PROVISIONS FOR WALL DESIGN REQUIREMENTS.
2. ALL CONSTRUCTION MUST CONFORM TO WALL MANUFACTURER SPECIFICATIONS AND REQUIREMENTS.
3. REINFORCING ZONE SHOWN IN PLANS ARE APPROXIMATE AND ARE CONTINGENT UPON THE APPROVED WALL PLANS BY THE CONTRACTOR. GEOGRID SPACING AND LENGTH SHALL MEET ALL MANUFACTURER REQUIREMENTS.
4. ALL STATIONS AND OFFSETS ARE MEASURED TO THE FACE OF WALL.
5. REFERENCE DETAILS, DWG NO. WD1.
6. CONNECT UNDERDRAIN PIPE TO DRAINAGE STRUCTURE AS SHOWN IN PLAN. PROVIDE POSITIVE FLOW FROM WALL TO DRAINAGE STRUCTURE.
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8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY AND LOCATE ALL UTILITY CROSSINGS THROUGH, UNDER AND AROUND WALLS.
9. CONSTRUCTION SHALL BE PHASED SUCH THAT GEOGRID IS NOT DAMAGED DURING UTILITY INSTALLATION.
10. CONTRACTOR SHALL COORDINATE WITH WALL MANUFACTURER TO ENSURE THAT ALL FOUNDATIONS AND STORM DRAINAGE FACILITIES SHALL BE ACCOMMODATED BY WALL GEOGRIDS.



DWG. NO. WP4



FILE	ENGR.	REVIEW	SCALE	DATE
WP4	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



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PUBLIC WORKS DEPARTMENT
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NE 85TH ST PED-BIKE CONNECTION

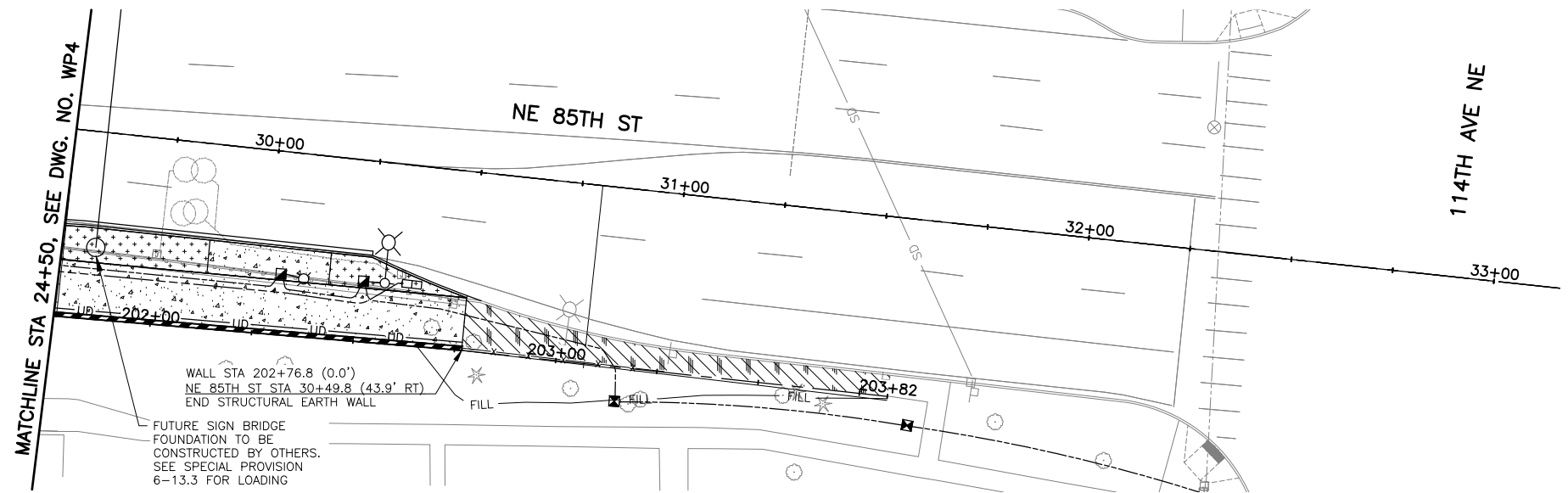
WALL PLAN AND ELEVATION

SHEET

69

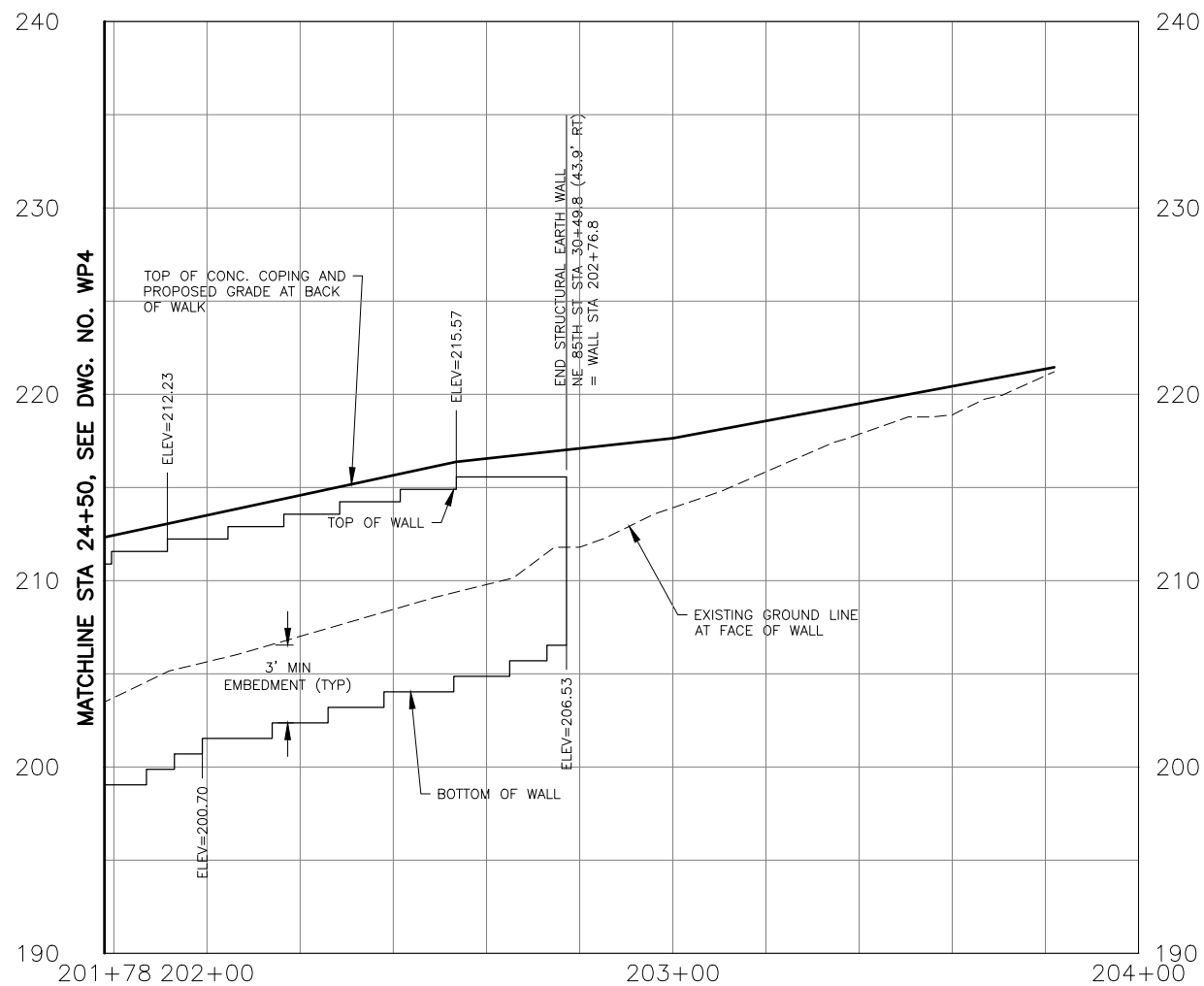
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SEC. 5, T. 25 N, R. 5 E, W.M.



GENERAL NOTES:

1. SEE SPECIAL PROVISIONS FOR WALL DESIGN REQUIREMENTS.
2. ALL CONSTRUCTION MUST CONFORM TO WALL MANUFACTURER SPECIFICATIONS AND REQUIREMENTS.
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10. CONTRACTOR SHALL COORDINATE WITH WALL MANUFACTURER TO ENSURE THAT ALL FOUNDATIONS AND STORM DRAINAGE FACILITIES SHALL BE ACCOMMODATED BY WALL GEOGRIDS.



0 20 40

1" = 20'
HORIZONTAL SCALE

0 20 40

1" = 20'
VERTICAL SCALE

DWG. NO. WP5

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



FILE	ENGR.	REVIEW	SCALE	DATE
WP5	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800

NE 85TH ST PED-BIKE CONNECTION

WALL PLAN AND ELEVATION

SHEET

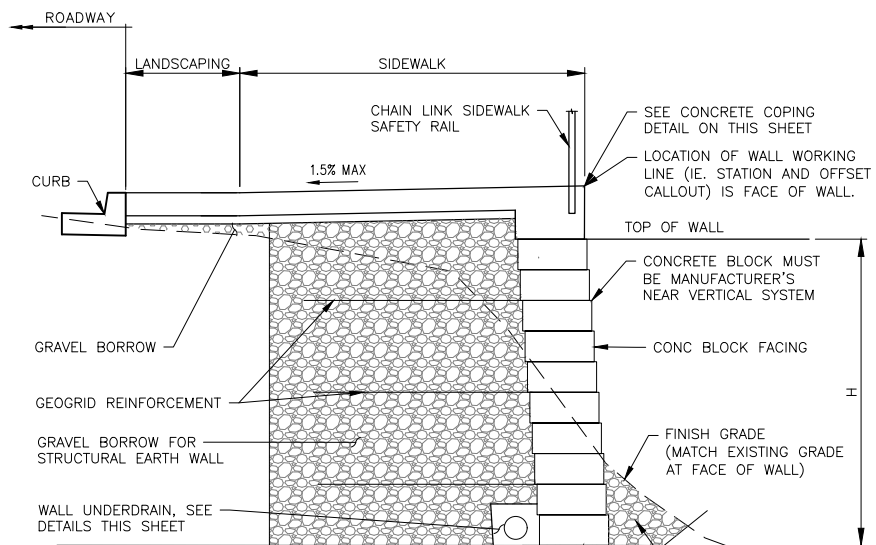
70

100

SEC. 5, T. 25 N, R. 5 E, W.M.

GENERAL NOTES:

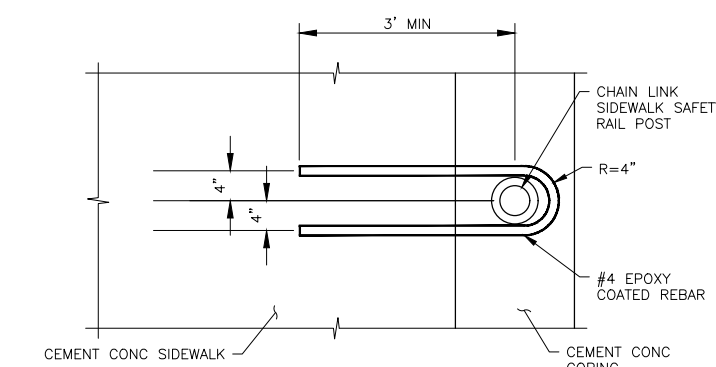
- SEE SPECIAL PROVISIONS FOR WALL DESIGN REQUIREMENTS.
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- CONSTRUCTION SHALL BE PHASED SUCH THAT GRID IS NOT DAMAGED DURING UTILITY INSTALLATION.



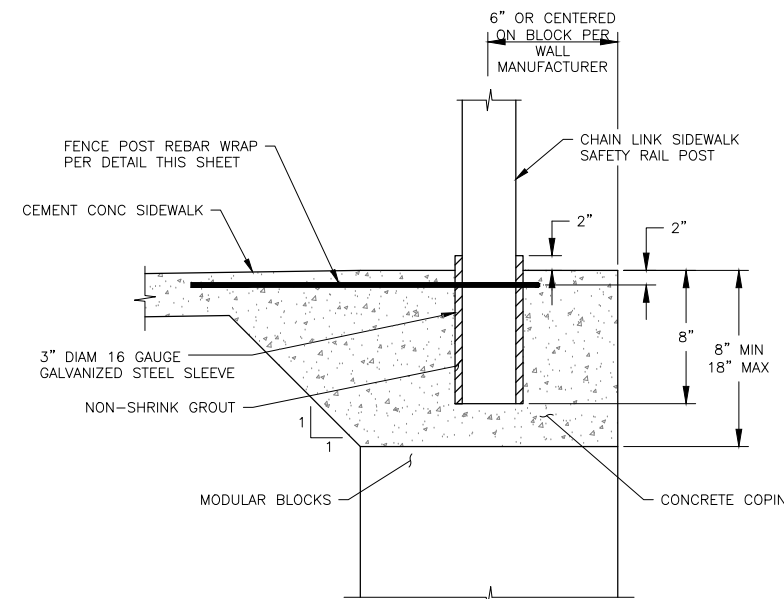
- NOTES:
- INSTALL PEDESTRIAN RAILING PER MANUFACTURER'S RECOMMENDATIONS.
 - WALL BATTER VARIES WITH MANUFACTURER & BLOCK TYPE. WALL SYSTEM USED SHALL BE MANUFACTURER'S NEAR VERTICAL SYSTEM.

6" THICK CSBC LEVELING PAD PER MANUFACTURER'S RECOMMENDATIONS

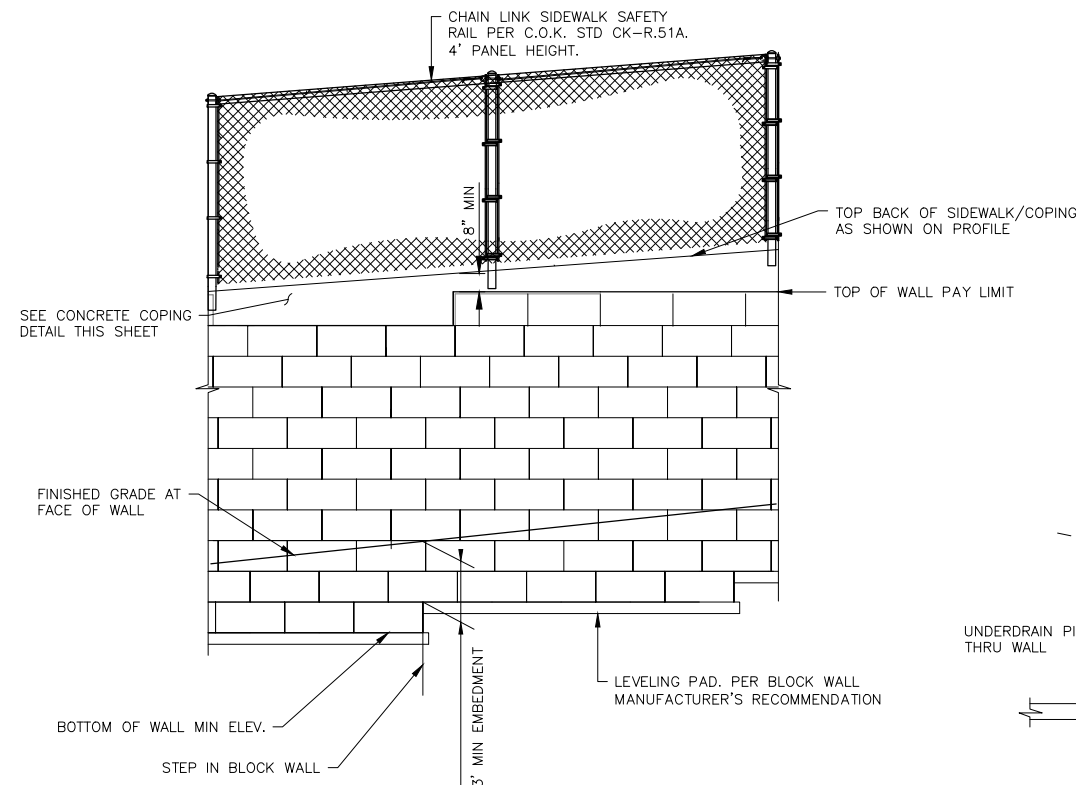
STRUCTURAL EARTH WALL TYPICAL SECTION



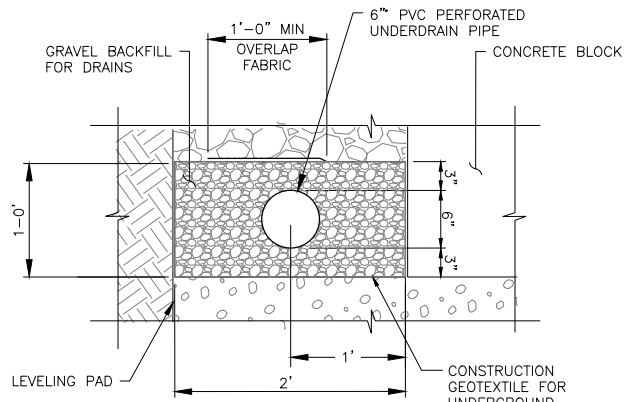
CHAIN LINK SIDEWALK SAFETY RAIL POST REBAR WRAP



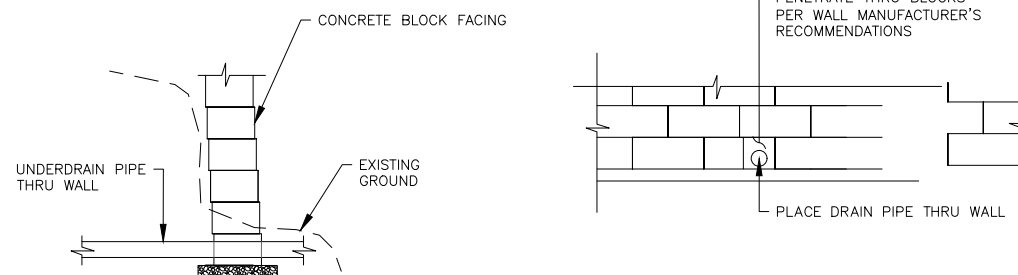
CONCRETE COPING WITH RAIL POST



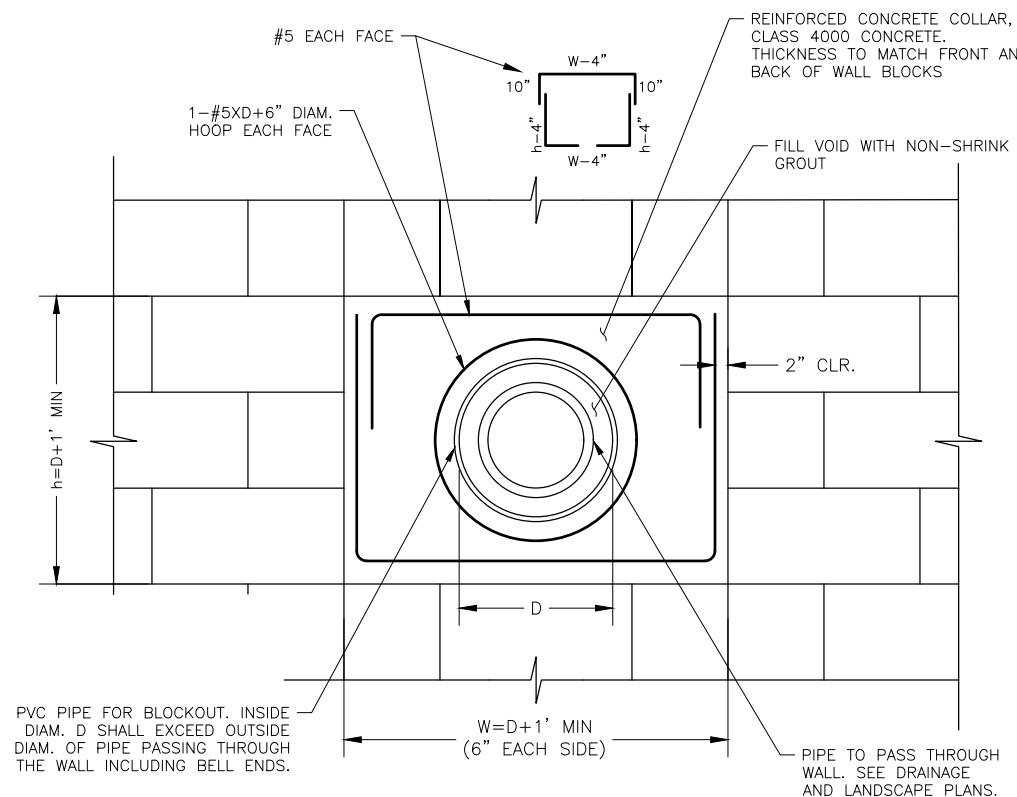
WALL ELEVATION DETAIL



UNDERDRAIN PIPE DETAIL



UNDERDRAIN THRU WALL



RETAINING WALL PIPE BLOCKOUT DETAIL

DWG. NO. WD1

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

811
Know what's below.
Call before you dig.



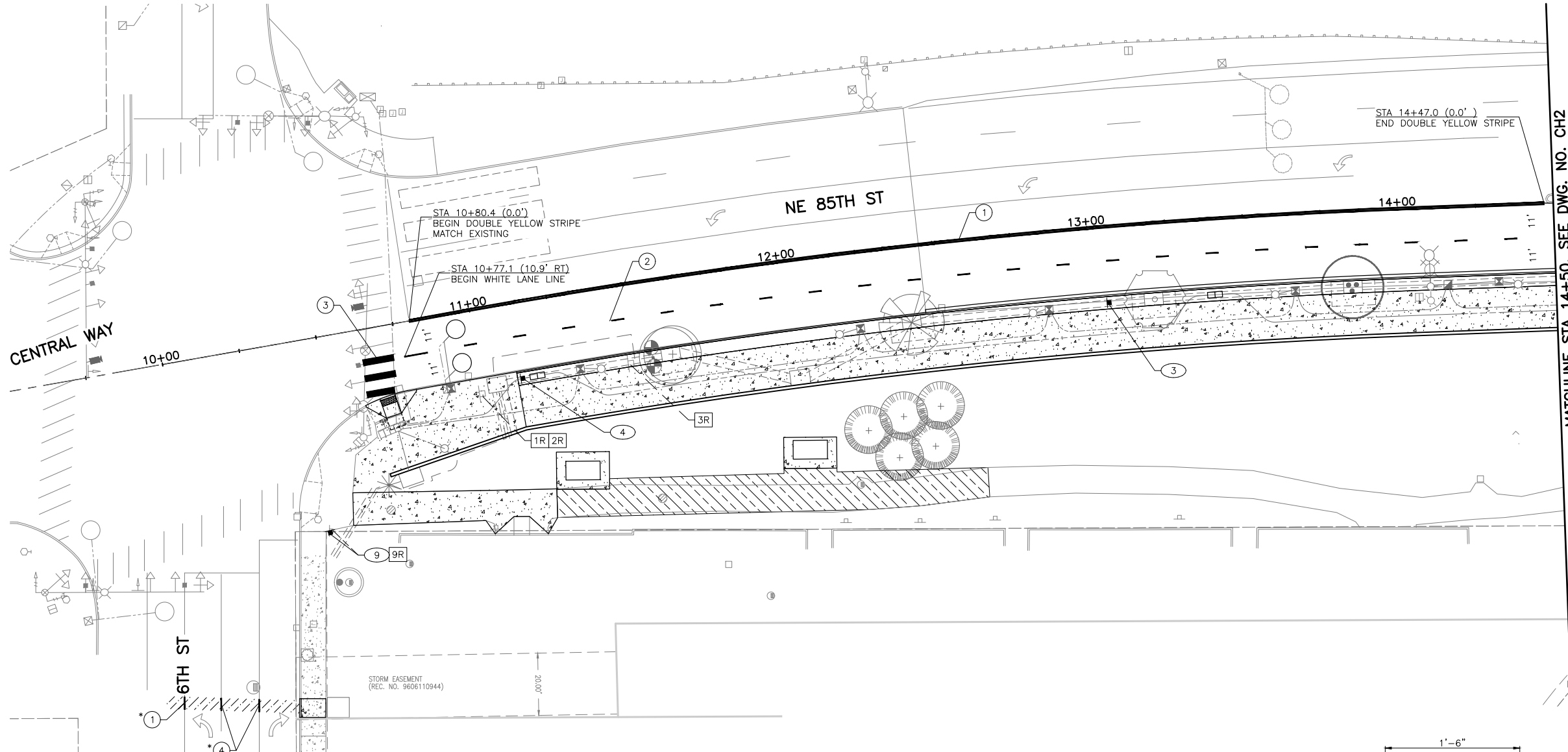
FILE	ENGR.	REVIEW	SCALE	DATE
WD1	JUD	JAT	NTS	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
NE 85TH ST PED-BIKE CONNECTION
WALL DETAILS AND SECTIONS

SHEET
71
100

SEC. 5, T. 25 N, R. 5 E, W.M.



CHANNELIZATION NOTES:

- ① DOUBLE YELLOW CENTER STRIPE PER CITY OF KIRKLAND STD. PLAN NO. CK-R.31.
- ② 4" PAINTED WHITE LANE LINE PER CITY OF KIRKLAND STD. PLAN NO. CK-R.31.
- ③ PLASTIC MMA CROSSWALK. LAYOUT STRIPING PER CITY OF KIRKLAND STD. PLAN NO. CK-R.28.
- ④ 6" PAINTED WHITE EDGE LINE PER CITY OF KIRKLAND STD. PLAN NO. CK-R.35.

GENERAL NOTES:

1. SIGN CLEARANCE FROM BOTTOM SIGN - 7' ABOVE PAVEMENT. LOCATE 1' FROM BACK OF SIDEWALK OR 1.5' FROM EDGE OF PAVEMENT OR FACE OF CURB (SEE C.O.K. STD. PLAN CK-R.43) UNLESS OTHERWISE NOTED.
2. SIGNS SHALL BE PLACED PER M.U.T.C.D. STANDARDS.
3. CONFLICTING STRIPING TO BE REMOVED PER DIRECTION OF THE ENGINEER.
4. ENGINEER SHALL APPROVE ALL CHANNELIZATION LAYOUT AND DIMENSIONS PRIOR TO CONTRACTOR BEGINNING STRIPING OPERATIONS.
5. ALL LANE WIDTHS ARE MEASURED TO THE FACE OF CURB, WHEN PRESENT.
6. SEE SPECIAL PROVISIONS SECTION 8-21.3(5)A FOR CUSTOM SIGN REPLACEMENT.

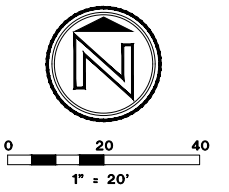
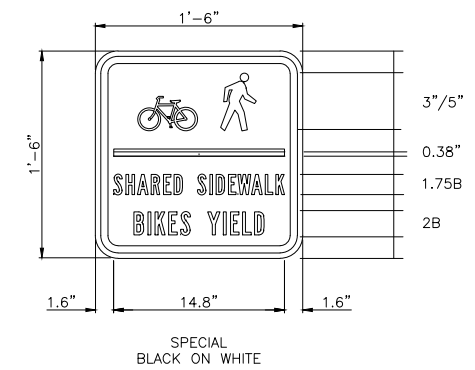
SIGN LEGEND:

- ⊗ - NEW SIGN
- ⊗ - REMOVE EXISTING SIGN
- ⊗ (NEW LOCATION) EXISTING SIGN ASSEMBLY TO BE RELOCATED
- ⊗ (EXISTING LOCATION)
- - NEW SIGN
- - EXISTING SIGN

* NOTE: REPLACE PAVEMENT MARKINGS AFTER WATER SERVICE TRENCH BACKFILL AND RESTORATION. SEE DWG. NO. RP1 FOR TRENCH LIMITS.

SIGN TABLE

DWG. NO.	SIGN NO.	EXISTING STATION	EXISTING OFFSET	PROPOSED STATION	PROPOSED OFFSET	SIGN TYPE	SIZE		DESCRIPTION	REMARKS
							X (IN)	Y (IN)		
CH1	1R	10+99.42	27.14' RT			CUSTOM	30	10	MUSLIM ASSOCIATION OF PUGET SOUND	REMOVE SIGN
CH1	2R	10+99.42	27.14' RT			CUSTOM	36	30	ADOPT-A-ROAD	REMOVE SIGN
CH1	3R	11+48.61	25.44' RT			R2-1	24	30	35 MPH	REMOVE SIGN
CH1	3			13+04.53	24.50' RT	R2-1	24	30	35 MPH	
CH1	4			11+12.50	24.50' RT	CUSTOM	18	18	SHARED SIDEWALK BIKES YIELD	
CH1	9R	10+44.07	62.04' RT			CUSTOM	18	24	PUBLIC TRAIL	REMOVE SIGN
CH1	9			10+44.07	62.04' RT	CUSTOM	18	24	PUBLIC TRAIL	



DWG. NO. CH1



FILE	ENGR.	REVIEW	SCALE	DATE
CH1	##	##	1"=20'	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



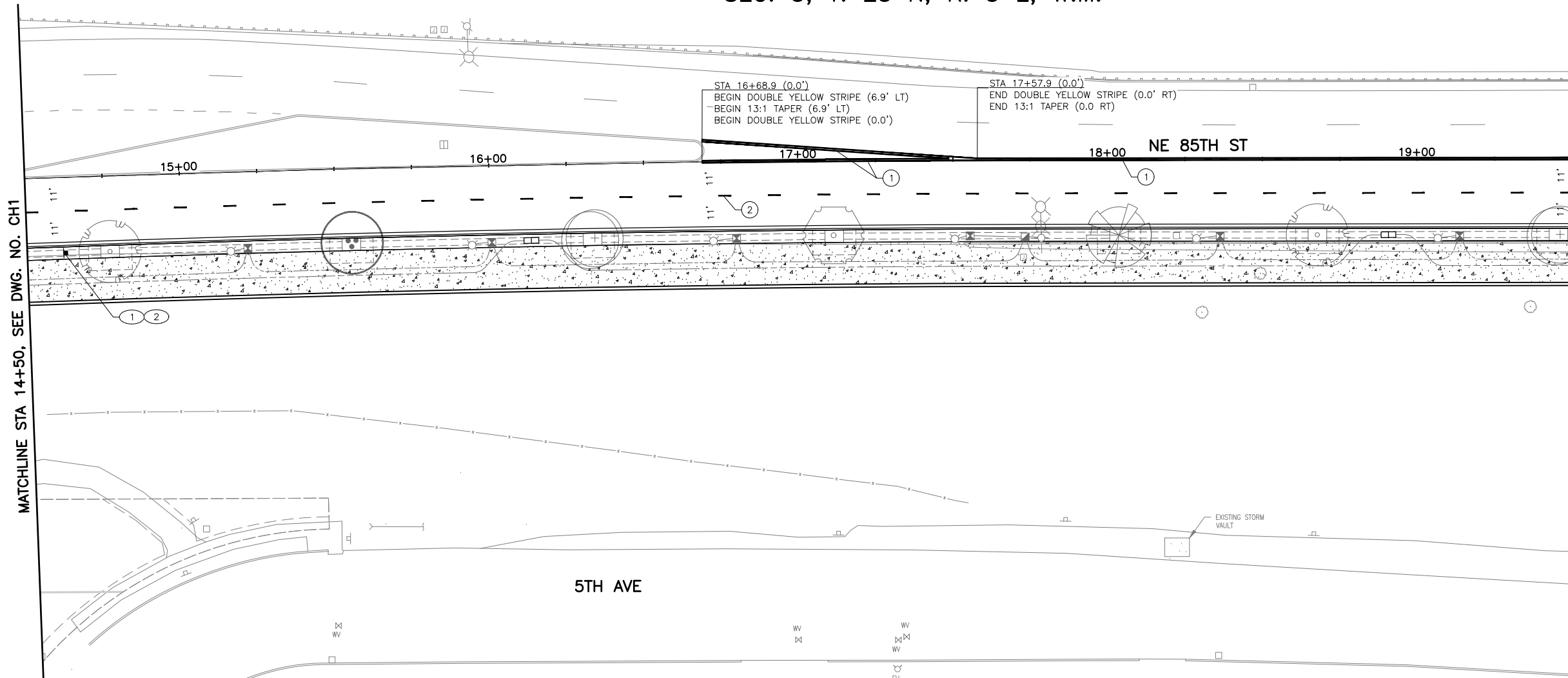
CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800

NE 85TH ST PED-BIKE CONNECTION

CHANNELIZATION AND SIGNING PLAN

SHEET
72
100

SEC. 5, T. 25 N, R. 5 E, W.M.



CHANNELIZATION NOTES:

- ① DOUBLE YELLOW CENTER STRIPE PER CITY OF KIRKLAND STD. PLAN NO. CK-R.31.
- ② 4" PAINTED WHITE LANE LINE PER CITY OF KIRKLAND STD. PLAN NO. CK-R.31.
- ③ PLASTIC MMA CROSSWALK. LAYOUT STRIPING PER CITY OF KIRKLAND STD. PLAN NO. CK-R.28.
- ④ 6" PAINTED WHITE EDGE LINE PER CITY OF KIRKLAND STD. PLAN NO. CK-R.35.

GENERAL NOTES:

1. SIGN CLEARANCE FROM BOTTOM SIGN - 7' ABOVE PAVEMENT. LOCATE 1' FROM BACK OF SIDEWALK OR 1.5' FROM EDGE OF PAVEMENT OR FACE OF CURB (SEE C.O.K. STD. PLAN CK-R.43) UNLESS OTHERWISE NOTED.
2. SIGNS SHALL BE PLACED PER M.U.T.C.D. STANDARDS.
3. CONFLICTING STRIPING TO BE REMOVED PER DIRECTION OF THE ENGINEER.
4. ENGINEER SHALL APPROVE ALL CHANNELIZATION LAYOUT AND DIMENSIONS PRIOR TO CONTRACTOR BEGINNING STRIPING OPERATIONS.
5. ALL LANE WIDTHS ARE MEASURED TO THE FACE OF CURB, WHEN PRESENT.
6. SEE SPECIAL PROVISIONS SECTION 8-21.3(5)A FOR CUSTOM SIGN REPLACEMENT.

SIGN LEGEND:

- ⊗ - NEW SIGN
- ⊗⊗ - REMOVE EXISTING SIGN
- ⊗⊗ (NEW LOCATION) EXISTING SIGN ASSEMBLY TO BE RELOCATED
- ⊗⊗ (EXISTING LOCATION)
- - NEW SIGN
- ▣ - EXISTING SIGN

MATCHLINE STA 14+50, SEE DWG. NO. CH1

MATCHLINE STA 19+50, SEE DWG. NO. CH3

SIGN TABLE										
DWG. NO.	SIGN NO.	EXISTING STATION	EXISTING OFFSET	PROPOSED STATION	PROPOSED OFFSET	SIGN TYPE	SIZE		DESCRIPTION	REMARKS
							X (IN)	Y (IN)		
CH2	1			14+61.80	24.50' RT	CUSTOM	30	10	MUSLIM ASSOCIATION OF PUGET SOUND	INSTALL ABOVE SIGN 2
CH2	2			14+61.80	24.50' RT	CUSTOM	36	30	ADOPT-A-ROAD	



0 20 40
1" = 20'

DWG. NO. CH2

PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
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FILE	ENGR.	REVIEW	SCALE	DATE
CH2	##	##	1"=20'	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



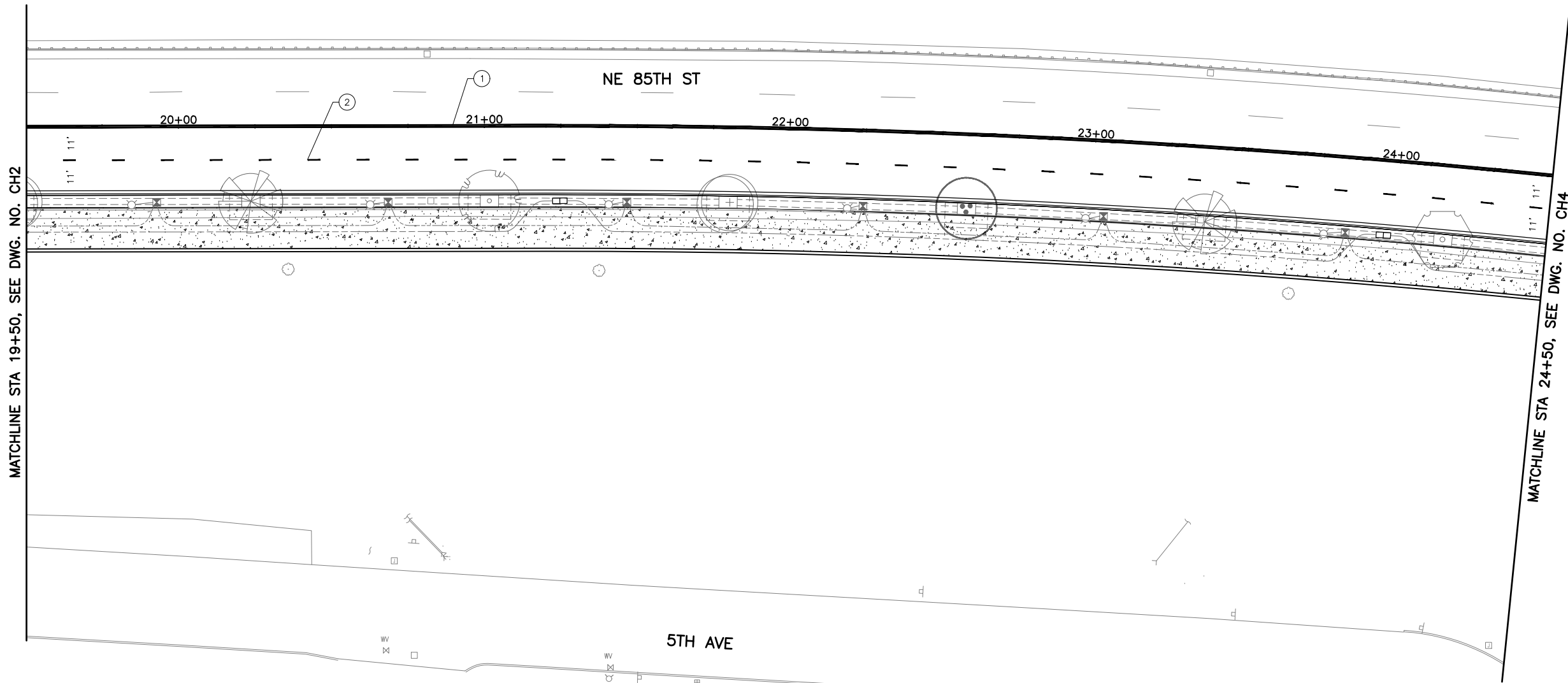
CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
NE 85TH ST PED-BIKE CONNECTION
CHANNELIZATION
AND SIGNING PLAN

SHEET

73

100

SEC. 5, T. 25 N, R. 5 E, W.M.



CHANNELIZATION NOTES:

- ① DOUBLE YELLOW CENTER STRIPE PER CITY OF KIRKLAND STD. PLAN NO. CK-R.31.
- ② 4" PAINTED WHITE LANE LINE PER CITY OF KIRKLAND STD. PLAN NO. CK-R.31.
- ③ PLASTIC MMA CROSSWALK. LAYOUT STRIPING PER CITY OF KIRKLAND STD. PLAN NO. CK-R.28.
- ④ 6" PAINTED WHITE EDGE LINE PER CITY OF KIRKLAND STD. PLAN NO. CK-R.35.

GENERAL NOTES:

- 1. SIGN CLEARANCE FROM BOTTOM SIGN - 7' ABOVE PAVEMENT. LOCATE 1' FROM BACK OF SIDEWALK OR 1.5' FROM EDGE OF PAVEMENT OR FACE OF CURB (SEE C.O.K. STD. PLAN CK-R.43) UNLESS OTHERWISE NOTED.
- 2. SIGNS SHALL BE PLACED PER M.U.T.C.D. STANDARDS.
- 3. CONFLICTING STRIPING TO BE REMOVED PER DIRECTION OF THE ENGINEER.
- 4. ENGINEER SHALL APPROVE ALL CHANNELIZATION LAYOUT AND DIMENSIONS PRIOR TO CONTRACTOR BEGINNING STRIPING OPERATIONS.
- 5. ALL LANE WIDTHS ARE MEASURED TO THE FACE OF CURB, WHEN PRESENT.
- 6. SEE SPECIAL PROVISIONS SECTION 8-21.3(5)A FOR CUSTOM SIGN REPLACEMENT.

SIGN LEGEND:

- ⊗ - NEW SIGN
- XXR - REMOVE EXISTING SIGN
- XX (NEW LOCATION) - EXISTING SIGN ASSEMBLY TO BE RELOCATED
- XX (EXISTING LOCATION)
- - NEW SIGN
- ▣ - EXISTING SIGN

MATCHLINE STA 19+50, SEE DWG. NO. CH2

MATCHLINE STA 24+50, SEE DWG. NO. CH4



DWG. NO. CH3



FILE	ENGR.	REVIEW	SCALE	DATE
CH3	##	##	1"=20'	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE

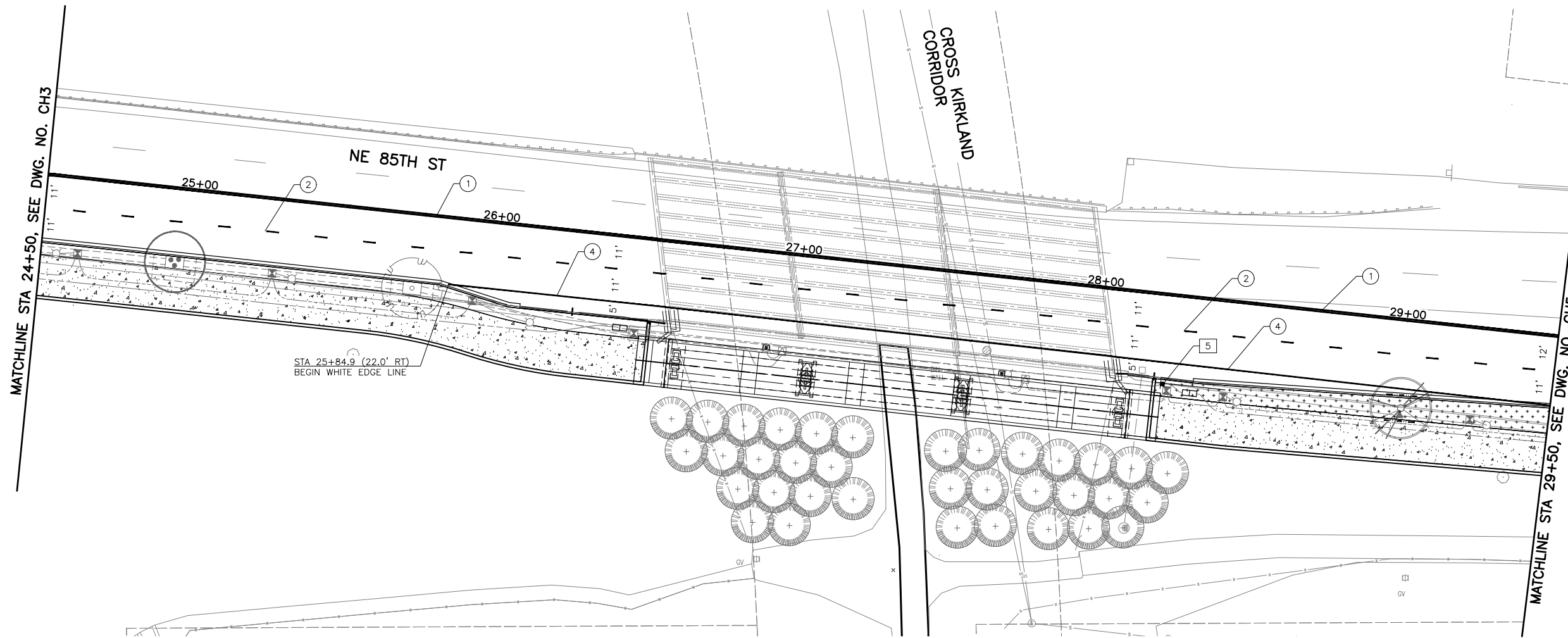


CITY OF KIRKLAND
 PUBLIC WORKS DEPARTMENT
 123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
 NE 85TH ST PED-BIKE CONNECTION
 CHANNELIZATION
 AND SIGNING PLAN

SHEET

74 / 100

SEC. 5, T. 25 N, R. 5 E, W.M.



CHANNELIZATION NOTES:

- ① DOUBLE YELLOW CENTER STRIPE PER CITY OF KIRKLAND STD. PLAN NO. CK-R.31.
- ② 4" PAINTED WHITE LANE LINE PER CITY OF KIRKLAND STD. PLAN NO. CK-R.31.
- ③ PLASTIC MMA CROSSWALK. LAYOUT STRIPING PER CITY OF KIRKLAND STD. PLAN NO. CK-R.28.
- ④ 6" PAINTED WHITE EDGE LINE PER CITY OF KIRKLAND STD. PLAN NO. CK-R.35.

GENERAL NOTES:

- 1. SIGN CLEARANCE FROM BOTTOM SIGN - 7' ABOVE PAVEMENT. LOCATE 1' FROM BACK OF SIDEWALK OR 1.5' FROM EDGE OF PAVEMENT OR FACE OF CURB (SEE C.O.K. STD. PLAN CK-R.43) UNLESS OTHERWISE NOTED.
- 2. SIGNS SHALL BE PLACED PER M.U.T.C.D. STANDARDS.
- 3. CONFLICTING STRIPING TO BE REMOVED PER DIRECTION OF THE ENGINEER.
- 4. ENGINEER SHALL APPROVE ALL CHANNELIZATION LAYOUT AND DIMENSIONS PRIOR TO CONTRACTOR BEGINNING STRIPING OPERATIONS.
- 5. ALL LANE WIDTHS ARE MEASURED TO THE FACE OF CURB, WHEN PRESENT.
- 6. SEE SPECIAL PROVISIONS SECTION 8-21.3(5)A FOR CUSTOM SIGN REPLACEMENT.

SIGN LEGEND:

- ⊗ - NEW SIGN
- XXR - REMOVE EXISTING SIGN
- ⊗ (NEW LOCATION) / ⊗ (EXISTING LOCATION) - EXISTING SIGN ASSEMBLY TO BE RELOCATED
- - NEW SIGN
- ▣ - EXISTING SIGN

SIGN TABLE

DWG. NO.	SIGN NO.	EXISTING STATION	EXISTING OFFSET	PROPOSED STATION	PROPOSED OFFSET	SIGN TYPE	SIZE		DESCRIPTION	REMARKS
							X (IN)	Y (IN)		
CH4	5	30+45.71	32.86' RT	28+21.44	29.56' RT	CUSTOM	24	18	EVEREST PARK	



0 20 40
1" = 20'

DWG. NO. CH4

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



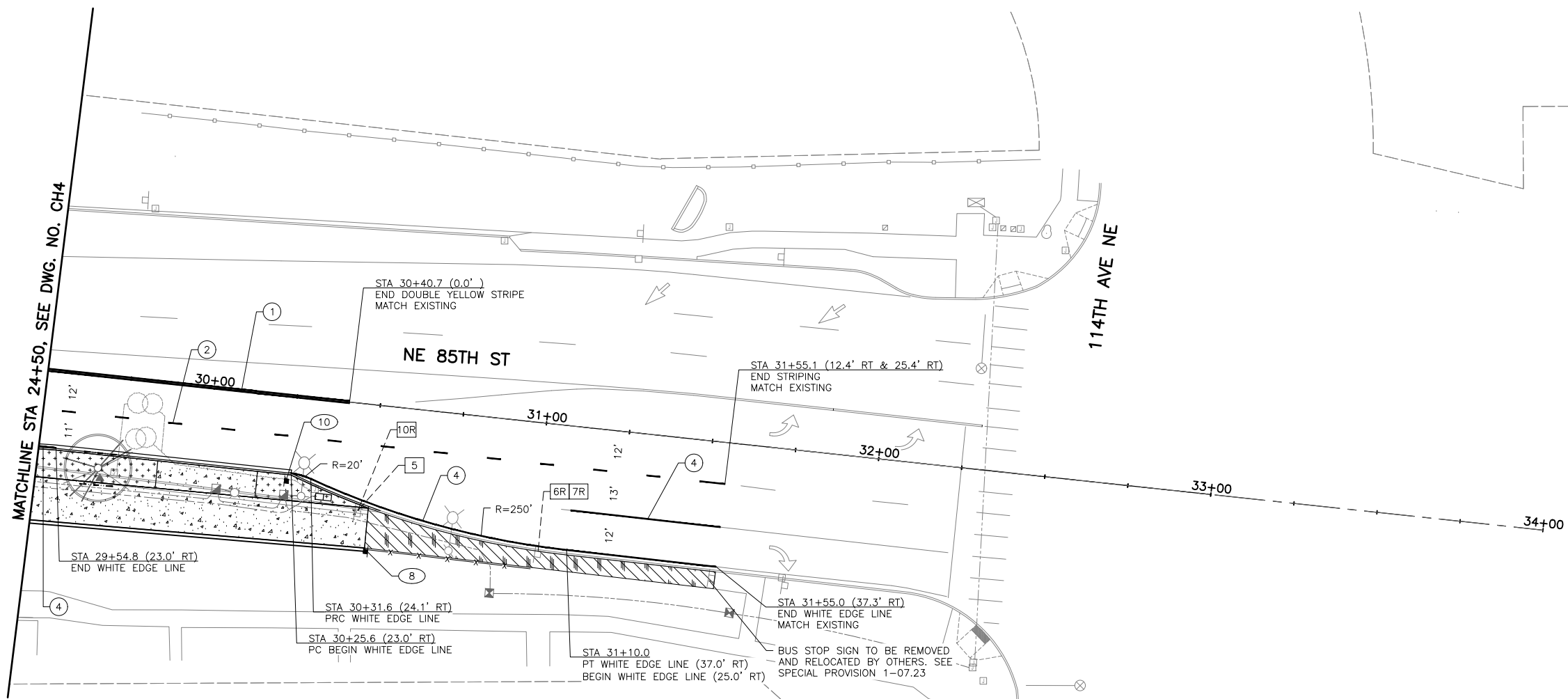
FILE	ENGR.	REVIEW	SCALE	DATE
CH4	##	##	1"=20'	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
NE 85TH ST PED-BIKE CONNECTION
CHANNELIZATION
AND SIGNING PLAN

SHEET
75
100

SEC. 5, T. 25 N, R. 5 E, W.M.



CHANNELIZATION NOTES:

- ① DOUBLE YELLOW CENTER STRIPE PER CITY OF KIRKLAND STD. PLAN NO. CK-R.31.
- ② 4" PAINTED WHITE LANE LINE PER CITY OF KIRKLAND STD. PLAN NO. CK-R.31.
- ③ PLASTIC MMA CROSSWALK. LAYOUT STRIPING PER CITY OF KIRKLAND STD. PLAN NO. CK-R.28.
- ④ 6" PAINTED WHITE EDGE LINE PER CITY OF KIRKLAND STD. PLAN NO. CK-R.35.

GENERAL NOTES:

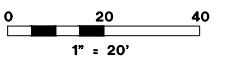
1. SIGN CLEARANCE FROM BOTTOM SIGN - 7' ABOVE PAVEMENT. LOCATE 1' FROM BACK OF SIDEWALK OR 1.5' FROM EDGE OF PAVEMENT OR FACE OF CURB (SEE C.O.K. STD. PLAN CK-R.43) UNLESS OTHERWISE NOTED.
2. SIGNS SHALL BE PLACED PER M.U.T.C.D. STANDARDS.
3. CONFLICTING STRIPING TO BE REMOVED PER DIRECTION OF THE ENGINEER.
4. ENGINEER SHALL APPROVE ALL CHANNELIZATION LAYOUT AND DIMENSIONS PRIOR TO CONTRACTOR BEGINNING STRIPING OPERATIONS.
5. ALL LANE WIDTHS ARE MEASURED TO THE FACE OF CURB, WHEN PRESENT.
6. SEE SPECIAL PROVISIONS SECTION 8-21.3(5)A FOR CUSTOM SIGN REPLACEMENT.

SIGN LEGEND:

- ⊗ - NEW SIGN
- ⊗XR - REMOVE EXISTING SIGN
- ⊗X (NEW LOCATION) EXISTING SIGN ASSEMBLY TO BE RELOCATED
- ⊗ (EXISTING LOCATION)
- - NEW SIGN
- - EXISTING SIGN

SIGN TABLE

DWG. NO.	SIGN NO.	EXISTING STATION	EXISTING OFFSET	PROPOSED STATION	PROPOSED OFFSET	SIGN TYPE	SIZE		DESCRIPTION	REMARKS
							X (IN)	Y (IN)		
CH5	5	30+45.71	32.86' RT	28+21.44	29.56' RT	CUSTOM	24	18	EVEREST PARK	RELOCATE SIGN, SEE DWG. NO. CH4
CH5	6R	31+00.64	39.19' RT			R3-7	36	36	RIGHT TURN MUST TURN RIGHT	REMOVE SIGN
CH5	7R	31+00.64	39.19' RT			CUSTOM	24	6	EXCEPT TRANSIT	REMOVE SIGN
CH5	8			30+50.83	43.94' RT	CUSTOM	18	18	SHARED SIDEWALK BIKES YIELD	
CH5	10R	30+45.71	32.86' RT			W3-5A	35	35	25 MPH SPEED ZONE AHEAD	REMOVE SIGN
CH5	10			30+24.42	25.56' RT	W3-5A	36	36	25 MPH SPEED ZONE AHEAD	



DWG. NO. CH5

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



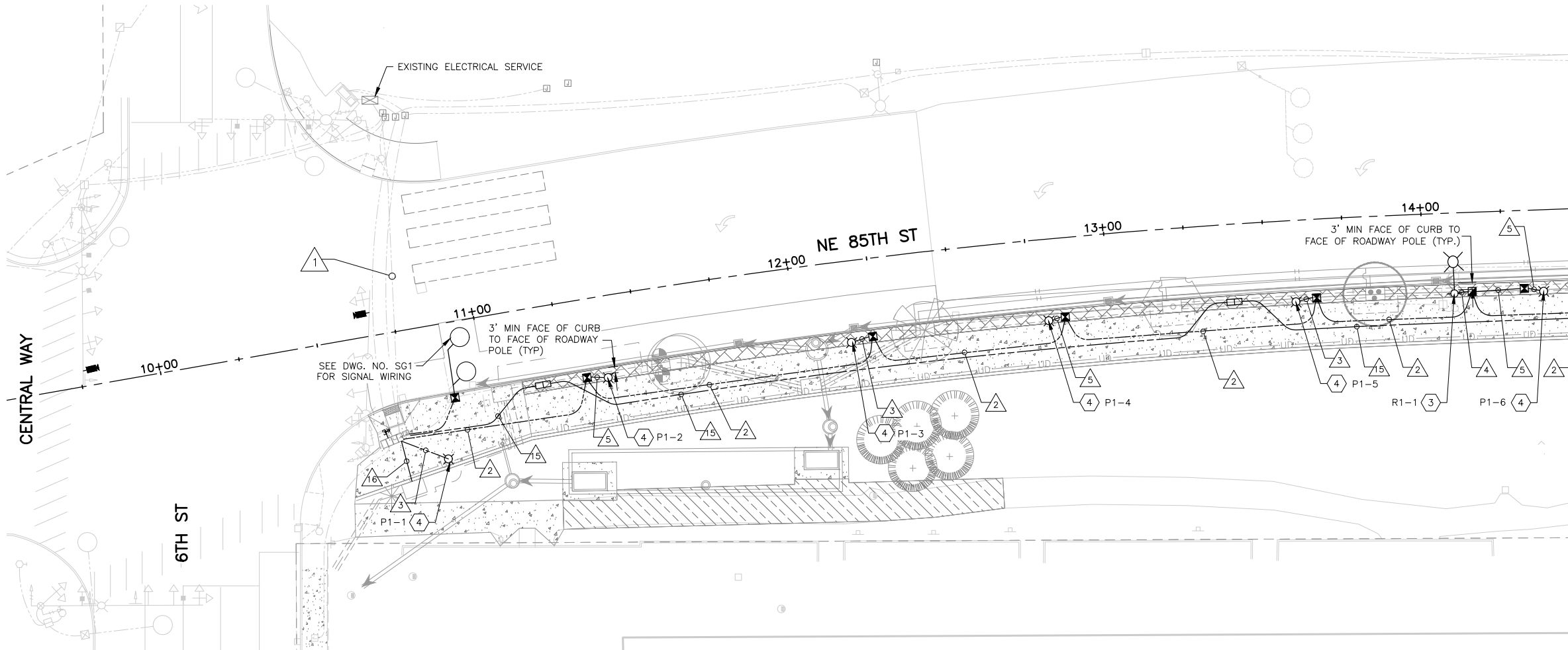
FILE	ENGR.	REVIEW	SCALE	DATE
CH5	##	##	1"=20'	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
NE 85TH ST PED-BIKE CONNECTION
CHANNELIZATION
AND SIGNING PLAN

SHEET
76
100

SEC. 5, T. 25 N, R. 5 E, W.M.



MATCHLINE STA 14+50, SEE DWG. NO. IL2

CONSTRUCTION NOTES:

- ① NOT USED.
- ② NOT USED.
- ③ CONSTRUCT ROADWAY LUMINAIRE FOUNDATION PER CITY OF KIRKLAND STD. PLAN NO. CK-TS.08. PROVIDE SLIP BASE PER WSDOT STD PLAN J-28.43-01. FURNISH AND INSTALL STREET LIGHT STANDARD WITH TYPE 1 (DAVIT) MAST ARM, CONDUIT, WIRING AND ALL ASSOCIATED EQUIPMENT PER WSDOT STD PLAN J-28.10-02, LUMINAIRE SCHEDULE, AND SPECIAL PROVISIONS.
- ④ CONSTRUCT PEDESTRIAN LUMINAIRE FOUNDATION PER CITY OF KIRKLAND STD. PLAN NO. CK-R.47A. PROVIDE SLIP BASE PER WSDOT STD PLAN J-28.43-01. FURNISH AND INSTALL STREET LIGHT STANDARD WITH MAST ARM, CONDUIT, WIRING, AND ALL ASSOCIATED EQUIPMENT PER LUMINAIRE SCHEDULE.
- ⑤ SEE STRUCTURAL PLANS FOR BRIDGE MOUNTING AND CONDUIT INSTALLATION. FURNISH AND INSTALL STREET LIGHT STANDARD WITH MAST ARM, CONDUIT, WIRING, AND ALL ASSOCIATED EQUIPMENT PER LUMINAIRE SCHEDULE. INSTALL NEMA 4X JUNCTION BOX IN BRIDGE CURB PER WSDOT STD PLAN J-40.36 AND J-45.36.

ILLUMINATION LEGEND:

- ROADWAY LUMINAIRE
- PEDESTRIAN LUMINAIRE
- JUNCTION BOX TYPE 1
- JUNCTION BOX TYPE 2
- NEMA 4x JUNCTION BOX
- SERVICE CABINET
- TYPE 25-TA FIBER OPTIC VAULT
- CONDUIT
- CONDUIT WIRE NOTE
- CONSTRUCTION NOTE

LUMINAIRE SCHEDULE

LUMINAIRE #	LOCATION STATION	OFFSET	LUMINAIRE CIRCUIT	OUTLET CIRCUIT	FIXTURE TYPE	POLE TYPE	MOUNTING ARM TYPE	LUMINAIRE ARM	MOUNTING HEIGHT	FOUNDATION DEPTH	COMMENTS
P1-1	10+84	42' RT	P1	O1	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GF1-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	
P1-2	11+39	26' RT	P1	O3	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GF1-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	
P1-3	12+17	26' RT	P1	O1	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GF1-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	
P1-4	12+80	26' RT	P1	O3	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GF1-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	
P1-5	13+59	26' RT	P1	O1	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GF1-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	
R1-1	14+10	25' RT	R1	N/A	130W LED AEL-BRAND COBRA-HEAD, TYPE III DISTRIBUTION, 3K COLOR TEMPERATURE, MEDIUM-CUTOFF	WSDOT J-3512-WA15LT3721		12'-0"	35'-0"	5'-6"	
P1-6	14+38	26' RT	P1	O3	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GF1-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	

BREAKER SCHEDULE

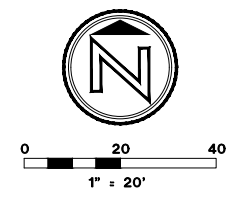
CIRCUIT	DESCRIPTION	BREAKER RATING	CONTRACTOR RATING	VOLTAGE	LOADING (KVA)	LOADING AMPS
EX SIGNAL	EXISTING SIGNAL	20A	30A	120V	0.7KVA	5.4A
EX STREET LIGHT	EXISTING STREET LIGHTS	20A	30A	240V	1.2KVA	5.0A
IR1	IRRIGATION CONTROLLER	20A	30A	120V	0.2KVA	1.5A
P1	PEDESTRIAN LIGHTING 1	20A	30A	240V	1.2KVA	4.9A
P2	PEDESTRIAN LIGHTING 2	20A	30A	240V	1.1KVA	4.6A
R1	ROADWAY LIGHTING 1	20A	30A	240V	1.5KVA	2.1A
O1	OUTLET 1	20A	30A	120V	1.5KVA	12.6A
O3	OUTLET 3	20A	30A	120V	1.5KVA	12.6A

GENERAL NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH 2024 WSDOT STANDARD PLANS & SPECIFICATIONS AND THE LATEST AMENDMENTS, APWA STANDARDS, DESIGN AND CONSTRUCTION STANDARDS, EXCEPT AS MODIFIED BY CONTRACT PLANS AND SPECIAL PROVISIONS.
- ALL CONDUIT CONTAINING COPPER CONDUCTORS SHALL INCLUDE 1-#8 GROUND WIRE (MIN. SIZE UNLESS SPECIFIED IN WIRE SCHEDULE). ALL CONDUIT SHALL CONTAIN A PULL STRING LABELED.
- ALL TYPE 1 AND 2 JUNCTION BOXES SHALL BE PER WSDOT STD PLAN J-40.10.
- JUNCTION BOXES SHALL BE KEPT OUT OF THE SIDEWALK UNLESS APPROVED BY THE ENGINEER OR INSTRUCTED ON THE PLANS. JUNCTION BOXES SHALL HAVE SLIP-RESISTANT LIDS PER CITY OF KIRKLAND PRE-APPROVED PLANS POLICY G-2.
- NUMBER OF CONDUIT BENDS BETWEEN PULL POINTS SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREE TOTAL). IF NUMBER OF BENDS EXCEEDS 360 DEGREES, THE CONTRACTOR SHALL INSTALL ADDITIONAL JUNCTION BOXES AS REQUIRED.
- JUNCTION BOXES SHALL BE PLACED A MAXIMUM OF 3' AWAY FROM LIGHT POLE WITH HAND HOLE FACING J-BOX PER CITY OF KIRKLAND STD. PLAN NO. CK-R.47B.
- SEE DWG. NO. SP1-SP5 FOR ILLUMINATION POLE REMOVAL.
- ROADWAY LIGHT LEVELS SHALL BE MAINTAINED THROUGHOUT THE PROJECT. REMOVAL OF ROADWAY LUMINAIRES REQUIRE THE PERMISSION OF THE ENGINEER AND REPLACEMENT WITH PERMANENT OR TEMPORARY LUMINAIRES PROVIDING ACCEPTABLE EQUIVALENT OR BETTER LIGHT LEVELS.

ILLUMINATION AND FIBER OPTIC WIRING SCHEDULE

#	CONDUIT	CONDUCTORS	BARE GROUND	CIRCUIT	NOTES
1	EXST	6-#8, 6-#4	1-#8	IR1, P1, P2, R1, O1, O3	
2	3" SCH 40 PVC	4-#8, 6-#4	1-#8	P1, P2, R1, O1, O3	
3	2" SCH 40 PVC	2-#8, 2-#4	1-#8	P1, O1	
4	2" SCH 40 PVC	2-#8	1-#8	R1	
5	2" SCH 40 PVC	2-#8, 2-#4	1-#8	P1, O3	
15	(2) 4" SCH 40 PVC				FUTURE FIBER OPTIC
16	2" SCH 40 PVC	2-#8	1-#8	IR1	



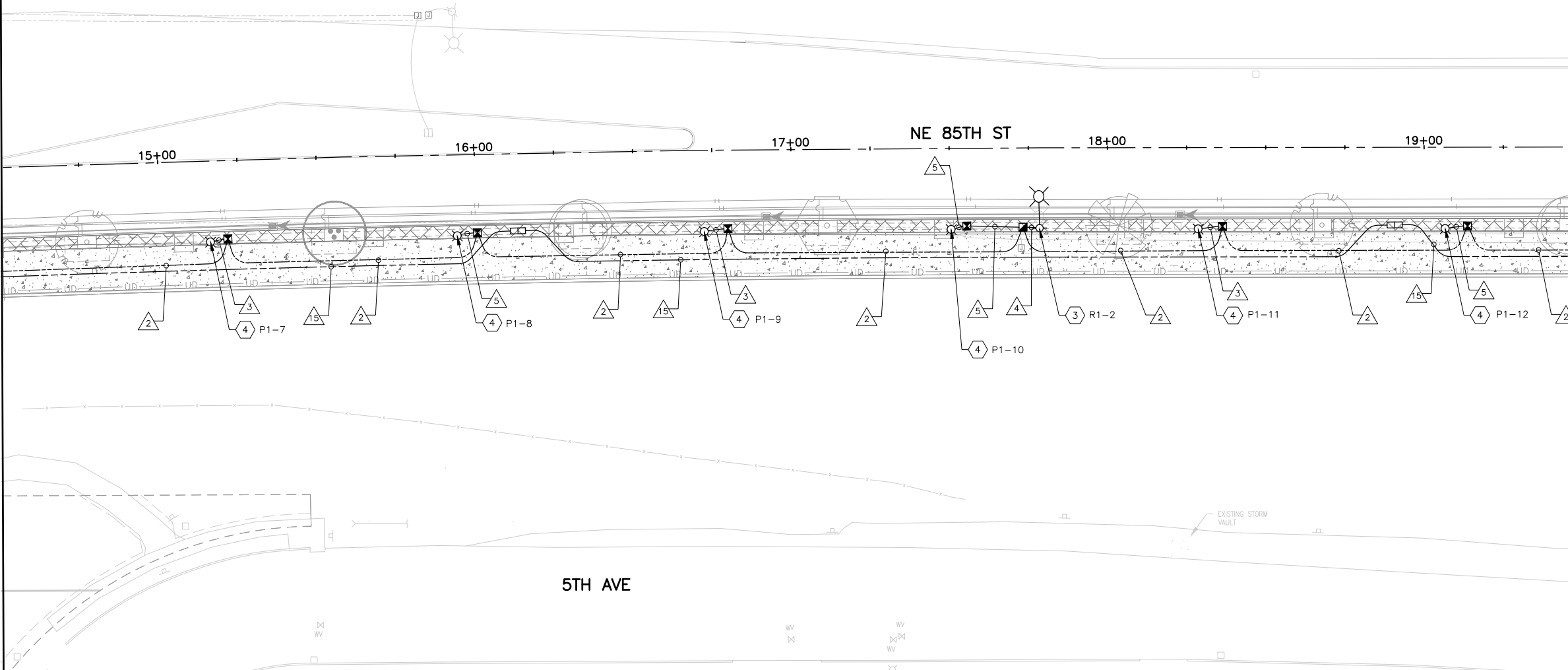
DWG. NO. IL1

 2707 COLBY AVENUE, SUITE 900 EVERETT, WA 98201 425.252.7700 800.615.9900	 Know what's below. Call before you dig.	 01/06/25	FILE	ENGR.	REVIEW	SCALE	DATE	 CITY OF KIRKLAND PUBLIC WORKS DEPARTMENT 123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800	SHEET 77 / 100
			IL1	##	##	AS SHOWN	JANUARY 2025		

SEC. 5, T. 25 N, R. 5 E, W.M.

MATCHLINE STA 14+50, SEE DWG. NO. IL1

MATCHLINE STA 19+50, SEE DWG. NO. IL3



CONSTRUCTION NOTES:

- ① NOT USED.
- ② NOT USED.
- ③ CONSTRUCT ROADWAY LUMINAIRE FOUNDATION PER CITY OF KIRKLAND STD. PLAN NO. CK-TS.08. PROVIDE SLIP BASE PER WSDOT STD PLAN J-28.43-01. FURNISH AND INSTALL STREET LIGHT STANDARD WITH TYPE 1 (DAVIT) MAST ARM, CONDUIT, WIRING AND ALL ASSOCIATED EQUIPMENT PER PER WSDOT STD PLAN J-28.10-02, LUMINAIRE SCHEDULE, AND SPECIAL PROVISIONS.
- ④ CONSTRUCT PEDESTRIAN LUMINAIRE FOUNDATION PER CITY OF KIRKLAND STD. PLAN NO. CK-R.47A. PROVIDE SLIP BASE PER WSDOT STD PLAN J-28.43-01. FURNISH AND INSTALL STREET LIGHT STANDARD WITH MAST ARM, CONDUIT, WIRING, AND ALL ASSOCIATED EQUIPMENT PER LUMINAIRE SCHEDULE.
- ⑤ SEE STRUCTURAL PLANS FOR BRIDGE MOUNTING AND CONDUIT INSTALLATION. FURNISH AND INSTALL STREET LIGHT STANDARD WITH MAST ARM, CONDUIT, WIRING, AND ALL ASSOCIATED EQUIPMENT PER LUMINAIRE SCHEDULE. INSTALL NEMA 4X JUNCTION BOX IN BRIDGE CURB PER WSDOT STD PLAN J-40.36 AND J-45.36.

ILLUMINATION LEGEND:

- ROADWAY LUMINAIRE
- PEDESTRIAN LUMINAIRE
- JUNCTION BOX TYPE 1
- JUNCTION BOX TYPE 2
- NEMA 4x JUNCTION BOX
- SERVICE CABINET
- TYPE 25-TA FIBER OPTIC VAULT
- CONDUIT
- CONDUIT WIRE NOTE
- CONSTRUCTION NOTE

LUMINAIRE SCHEDULE

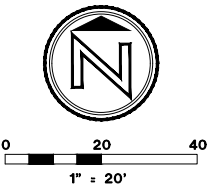
LUMINAIRE #	LOCATION		LUMINAIRE CIRCUIT	OUTLET CIRCUIT	FIXTURE TYPE	POLE TYPE	MOUNTING ARM TYPE	LUMINAIRE ARM	MOUNTING HEIGHT	FOUNDATION DEPTH	COMMENTS
	STATION	OFFSET									
P1-7	15+16	26' RT	P1	O1	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GFI-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	
P1-8	15+94	26' RT	P1	O3	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GFI-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	
P1-9	16+72	26' RT	P1	O1	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GFI-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	
P1-10	17+51	26' RT	P1	O3	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GFI-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	
R1-2	17+79	25' RT	R1	N/A	130W LED AEL-BRAND COBRA-HEAD, TYPE III DISTRIBUTION, 3K COLOR TEMPERATURE	WSDOT J-3512-WA15LT3721		12'-0"	35'-0"	5'-6"	
P1-11	18+29	26' RT	P1	O1	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GFI-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	
P1-12	19+07	26' RT	P1	O3	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GFI-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	

GENERAL NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH 2024 WSDOT STANDARD PLANS & SPECIFICATIONS AND THE LATEST AMENDMENTS, APWA STANDARDS, DESIGN AND CONSTRUCTION STANDARDS, EXCEPT AS MODIFIED BY CONTRACT PLANS AND SPECIAL PROVISIONS.
- ALL CONDUIT CONTAINING COPPER CONDUCTORS SHALL INCLUDE 1-#8 GROUND WIRE (MIN. SIZE UNLESS SPECIFIED IN WIRE SCHEDULE). ALL CONDUIT SHALL CONTAIN A PULL STRING LABELED.
- ALL TYPE 1 AND 2 JUNCTION BOXES SHALL BE PER WSDOT STD PLAN J-40.10.
- JUNCTION BOXES SHALL BE KEPT OUT OF THE SIDEWALK UNLESS APPROVED BY THE ENGINEER OR INSTRUCTED ON THE PLANS. JUNCTION BOXES SHALL HAVE SLIP-RESISTANT LIDS PER CITY OF KIRKLAND PRE-APPROVED PLANS POLICY G-2.
- NUMBER OF CONDUIT BENDS BETWEEN PULL POINTS SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREE TOTAL). IF NUMBER OF BENDS EXCEEDS 360 DEGREES, THE CONTRACTOR SHALL INSTALL ADDITIONAL JUNCTION BOXES AS REQUIRED.
- JUNCTION BOXES SHALL BE PLACED A MAXIMUM OF 3' AWAY FROM LIGHT POLE WITH HAND HOLE FACING J-BOX PER CITY OF KIRKLAND STD. PLAN NO. CK-R.47B.
- SEE DWG. NO. SP1-SP5 FOR ILLUMINATION POLE REMOVAL.
- ROADWAY LIGHT LEVELS SHALL BE MAINTAINED THROUGHOUT THE PROJECT. REMOVAL OF ROADWAY LUMINAIRES REQUIRE THE PERMISSION OF THE ENGINEER AND REPLACEMENT WITH PERMANENT OR TEMPORARY LUMINAIRES PROVIDING ACCEPTABLE EQUIVALENT OR BETTER LIGHT LEVELS.

ILLUMINATION AND FIBER OPTIC WIRING SCHEDULE

#	CONDUIT	CONDUCTORS	BARE GROUND	CIRCUIT	NOTES
2	2" SCH 40 PVC	4-#8, 6-#4	1-#8	P1, P2, R1, O1, O3	
3	2" SCH 40 PVC	2-#8, 2-#4	1-#8	P1, O1	
4	2" SCH 40 PVC	2-#8	1-#8	R1	
5	2" SCH 40 PVC	2-#8, 2-#4	1-#8	P1, O3	
15	(2) 4" SCH 40 PVC				FUTURE FIBER OPTIC



DWG. NO. IL2



01/06/25

FILE	ENGR.	REVIEW	SCALE	DATE
IL2	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800

NE 85TH ST PED-BIKE CONNECTION

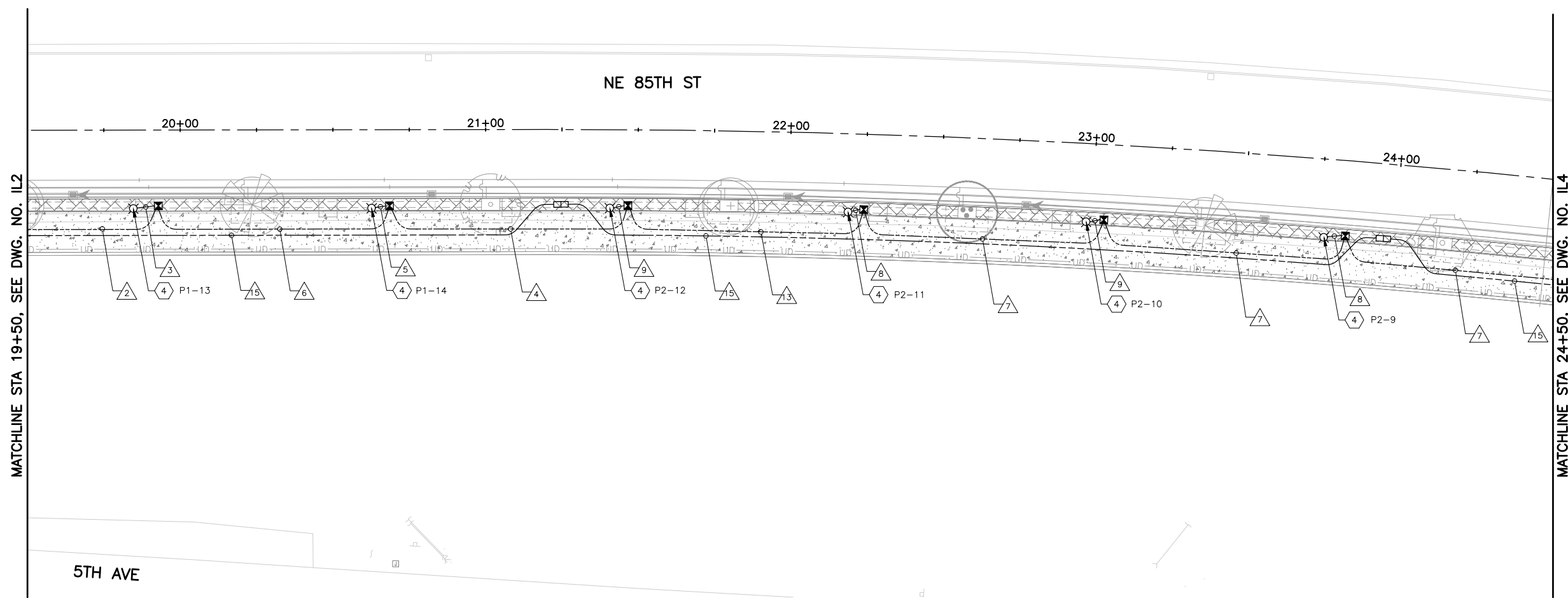
ILLUMINATION PLAN

SHEET

78

100

SEC. 5, T. 25 N, R. 5 E, W.M.



MATCHLINE STA 19+50, SEE DWG. NO. IL2

MATCHLINE STA 24+50, SEE DWG. NO. IL4

CONSTRUCTION NOTES:

- ① NOT USED.
- ② NOT USED.
- ③ CONSTRUCT ROADWAY LUMINAIRE FOUNDATION PER CITY OF KIRKLAND STD. PLAN NO. CK-TS.08. PROVIDE SLIP BASE PER WSDOT STD PLAN J-28.43-01. FURNISH AND INSTALL STREET LIGHT STANDARD WITH TYPE 1 (DAVIT) MAST ARM, CONDUIT, WIRING AND ALL ASSOCIATED EQUIPMENT PER PER WSDOT STD PLAN J-28.10-02, LUMINAIRE SCHEDULE, AND SPECIAL PROVISIONS.
- ④ CONSTRUCT PEDESTRIAN LUMINAIRE FOUNDATION PER CITY OF KIRKLAND STD. PLAN NO. CK-R.47A. PROVIDE SLIP BASE PER WSDOT STD PLAN J-28.43-01. FURNISH AND INSTALL STREET LIGHT STANDARD WITH MAST ARM, CONDUIT, WIRING, AND ALL ASSOCIATED EQUIPMENT PER LUMINAIRE SCHEDULE.
- ⑤ SEE STRUCTURAL PLANS FOR BRIDGE MOUNTING AND CONDUIT INSTALLATION. FURNISH AND INSTALL STREET LIGHT STANDARD WITH MAST ARM, CONDUIT, WIRING, AND ALL ASSOCIATED EQUIPMENT PER LUMINAIRE SCHEDULE. INSTALL NEMA 4X JUNCTION BOX IN BRIDGE CURB PER WSDOT STD PLAN J-40.36 AND J-45.36.

ILLUMINATION LEGEND:

- ROADWAY LUMINAIRE
- PEDESTRIAN LUMINAIRE
- JUNCTION BOX TYPE 1
- JUNCTION BOX TYPE 2
- NEMA 4x JUNCTION BOX
- SERVICE CABINET
- TYPE 25-TA FIBER OPTIC VAULT
- CONDUIT
- CONDUIT WIRE NOTE
- CONSTRUCTION NOTE

LUMINAIRE SCHEDULE

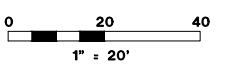
LUMINAIRE #	LOCATION STATION	OFFSET	LUMINAIRE CIRCUIT	OUTLET CIRCUIT	FIXTURE TYPE	POLE TYPE	MOUNTING ARM TYPE	LUMINAIRE ARM	MOUNTING HEIGHT	FOUNDATION DEPTH	COMMENTS
P1-13	19+85	26' RT	P1	01	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GFI-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	
P1-14	20+63	26' RT	P1	03	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GFI-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	
P2-12	21+41	26' RT	P2	04	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GFI-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	
P2-11	22+19	26' RT	P2	02	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GFI-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	
P2-10	22+98	26' RT	P2	04	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GFI-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	
P2-9	23+77	26' RT	P2	02	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GFI-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	

GENERAL NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH 2024 WSDOT STANDARD PLANS & SPECIFICATIONS AND THE LATEST AMENDMENTS, APWA STANDARDS, DESIGN AND CONSTRUCTION STANDARDS, EXCEPT AS MODIFIED BY CONTRACT PLANS AND SPECIAL PROVISIONS.
- ALL CONDUIT CONTAINING COPPER CONDUCTORS SHALL INCLUDE 1-#8 GROUND WIRE (MIN. SIZE UNLESS SPECIFIED IN WIRE SCHEDULE). ALL CONDUIT SHALL CONTAIN A PULL STRING LABELED.
- ALL TYPE 1 AND 2 JUNCTION BOXES SHALL BE PER WSDOT STD PLAN J-40.10.
- JUNCTION BOXES SHALL BE KEPT OUT OF THE SIDEWALK UNLESS APPROVED BY THE ENGINEER OR INSTRUCTED ON THE PLANS. JUNCTION BOXES SHALL HAVE SLIP-RESISTANT LIDS PER CITY OF KIRKLAND PRE-APPROVED PLANS POLICY G-2.
- NUMBER OF CONDUIT BENDS BETWEEN PULL POINTS SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREE TOTAL). IF NUMBER OF BENDS EXCEEDS 360 DEGREES, THE CONTRACTOR SHALL INSTALL ADDITIONAL JUNCTION BOXES AS REQUIRED.
- JUNCTION BOXES SHALL BE PLACED A MAXIMUM OF 3' AWAY FROM LIGHT POLE WITH HAND HOLE FACING J-BOX PER CITY OF KIRKLAND STD. PLAN NO. CK-R.47B.
- SEE DWG. NO. SP1-SP5 FOR ILLUMINATION POLE REMOVAL.
- ROADWAY LIGHT LEVELS SHALL BE MAINTAINED THROUGHOUT THE PROJECT. REMOVAL OF ROADWAY LUMINAIRES REQUIRE THE PERMISSION OF THE ENGINEER AND REPLACEMENT WITH PERMANENT OR TEMPORARY LUMINAIRES PROVIDING ACCEPTABLE EQUIVALENT OR BETTER LIGHT LEVELS.

ILLUMINATION AND FIBER OPTIC WIRING SCHEDULE

#	CONDUIT	CONDUCTORS	BARE GROUND	CIRCUIT	NOTES
2	2" SCH 40 PVC	4-#8, 6-#4	1-#8	P1, P2, R1, 01, 03	
3	2" SCH 40 PVC	2-#8, 2-#4	1-#8	P1, 01	
4	2" SCH 40 PVC	2-#8	1-#8	R1	
5	2" SCH 40 PVC	2-#8, 2-#4	1-#8	P1, 03	
6	2" SCH 40 PVC	4-#8, 2-#4	1-#8	P1, R1, 03	
7	2" SCH 40 PVC	2-#8, 6-#4	1-#8	P2, R1, 02, 04	
8	2" SCH 40 PVC	4-#4	1-#8	P2, 02	
9	2" SCH 40 PVC	4-#4	1-#8	P2, 04	
13	2" SCH 40 PVC	2-#8, 4-#4	1-#8	P2, R1, 04	
15	(2) 4" SCH 40 PVC				FUTURE FIBER OPTIC



DWG. NO. IL3

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



01/06/25

FILE	ENGR.	REVIEW	SCALE	DATE
IL3	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800

NE 85TH ST PED-BIKE CONNECTION

ILLUMINATION PLAN

SHEET
79
100

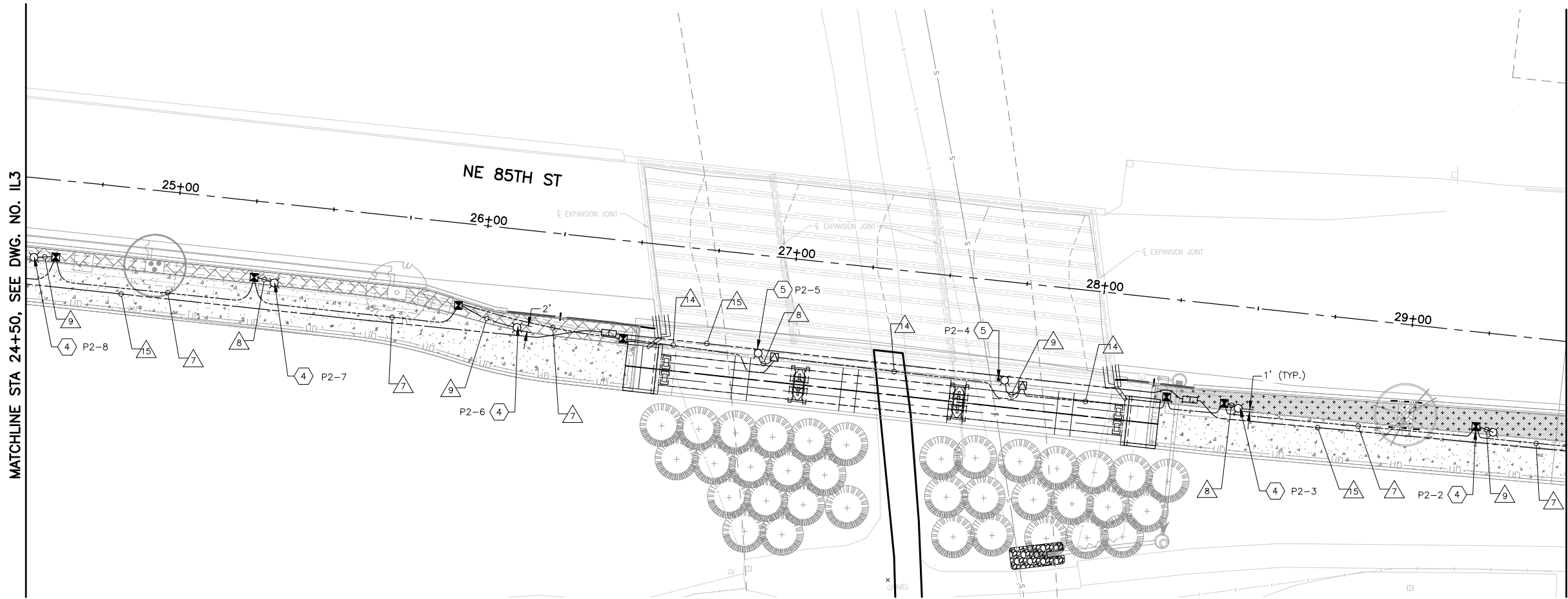
SEC. 5, T. 25 N, R. 5 E, W.M.

CONSTRUCTION NOTES:

- ① NOT USED.
- ② NOT USED.
- ③ CONSTRUCT ROADWAY LUMINAIRE FOUNDATION PER CITY OF KIRKLAND STD. PLAN NO. CK-TS.08. PROVIDE SLIP BASE PER WSDOT STD PLAN J-28.43-01. FURNISH AND INSTALL STREET LIGHT STANDARD WITH TYPE 1 (DAVIT) MAST ARM, CONDUIT, WIRING AND ALL ASSOCIATED EQUIPMENT PER PER WSDOT STD PLAN J-28.10-02, LUMINAIRE SCHEDULE, AND SPECIAL PROVISIONS.
- ④ CONSTRUCT PEDESTRIAN LUMINAIRE FOUNDATION PER CITY OF KIRKLAND STD. PLAN NO. CK-R.47A. PROVIDE SLIP BASE PER WSDOT STD PLAN J-28.43-01. FURNISH AND INSTALL STREET LIGHT STANDARD WITH MAST ARM, CONDUIT, WIRING, AND ALL ASSOCIATED EQUIPMENT PER LUMINAIRE SCHEDULE.
- ⑤ SEE STRUCTURAL PLANS FOR BRIDGE MOUNTING AND CONDUIT INSTALLATION. FURNISH AND INSTALL STREET LIGHT STANDARD WITH MAST ARM, CONDUIT, WIRING, AND ALL ASSOCIATED EQUIPMENT PER LUMINAIRE SCHEDULE. INSTALL NEMA 4X JUNCTION BOX IN BRIDGE CURB PER WSDOT STD PLAN J-40.36 AND J-45.36.

ILLUMINATION LEGEND:

- ⊕ ROADWAY LUMINAIRE
- ⊗ PEDESTRIAN LUMINAIRE
- ⊠ JUNCTION BOX TYPE 1
- ⊡ JUNCTION BOX TYPE 2
- ⊞ NEMA 4X JUNCTION BOX
- ⊞ SERVICE CABINET
- ⊞ TYPE 25-TA FIBER OPTIC VAULT
- CONDUIT
- △ CONDUIT WIRE NOTE
- ⊞ CONSTRUCTION NOTE



LUMINAIRE SCHEDULE

LUMINAIRE #	LOCATION		LUMINAIRE CIRCUIT	OUTLET CIRCUIT	FIXTURE TYPE	POLE TYPE	MOUNTING ARM TYPE	LUMINAIRE ARM	MOUNTING HEIGHT	FOUNDATION DEPTH	COMMENTS
	STATION	OFFSET									
P2-8	24+55	26' RT	P2	O4	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GFI-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	
P2-7	25+33	26' RT	P2	O2	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GFI-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	
P2-6	26+13	32' RT	P2	O4	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GFI-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	
P2-5	26+91	31' RT	P2	O2	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-U-10-GFI-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	12'-7.5"	N/A	SEE STRUCTURAL PLANS FOR FOUNDATION AT BRIDGE
P2-4	27+71	31' RT	P2	O4	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-U-10-GFI-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	12'-7.5"	N/A	SEE STRUCTURAL PLANS FOR FOUNDATION AT BRIDGE
P2-3	28+47	33' RT	P2	O2	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GFI-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	
P2-2	29+30	32' RT	P2	O4	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GFI-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	

GENERAL NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH 2024 WSDOT STANDARD PLANS & SPECIFICATIONS AND THE LATEST AMENDMENTS, APWA STANDARDS, DESIGN AND CONSTRUCTION STANDARDS, EXCEPT AS MODIFIED BY CONTRACT PLANS AND SPECIAL PROVISIONS.
- ALL CONDUIT CONTAINING COPPER CONDUCTORS SHALL INCLUDE 1-#8 GROUND WIRE (MIN. SIZE UNLESS SPECIFIED IN WIRE SCHEDULE). ALL CONDUIT SHALL CONTAIN A PULL STRING LABELED.
- ALL TYPE 1 AND 2 JUNCTION BOXES SHALL BE PER WSDOT STD PLAN J-40.10.
- JUNCTION BOXES SHALL BE KEPT OUT OF THE SIDEWALK UNLESS APPROVED BY THE ENGINEER OR INSTRUCTED ON THE PLANS. JUNCTION BOXES SHALL HAVE SLIP-RESISTANT LIDS PER CITY OF KIRKLAND PRE-APPROVED PLANS POLICY G-2.
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- JUNCTION BOXES SHALL BE PLACED A MAXIMUM OF 3' AWAY FROM LIGHT POLE WITH HAND HOLE FACING J-BOX PER CITY OF KIRKLAND STD. PLAN NO. CK-R.47B.
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- ROADWAY LIGHT LEVELS SHALL BE MAINTAINED THROUGHOUT THE PROJECT. REMOVAL OF ROADWAY LUMINAIRES REQUIRE THE PERMISSION OF THE ENGINEER AND REPLACEMENT WITH PERMANENT OR TEMPORARY LUMINAIRES PROVIDING ACCEPTABLE EQUIVALENT OR BETTER LIGHT LEVELS.

ILLUMINATION AND FIBER OPTIC WIRING SCHEDULE

#	CONDUIT	CONDUCTORS	BARE GROUND	CIRCUIT	NOTES
7	2" SCH 40 PVC	2-#8, 6-#4	1-#8	P2, R1, O2, O4	
8	2" SCH 40 PVC	4-#4	1-#8	P2, O2	SEE STRUCTURAL PLANS FOR CONDUIT IN BRIDGE
9	2" SCH 40 PVC	4-#4	1-#8	P2, O4	SEE STRUCTURAL PLANS FOR CONDUIT IN BRIDGE
14	2" SCH 40 PVC	2-#8, 6-#4	1-#8	P2, R1, O2, O4	SEE STRUCTURAL PLANS FOR CONDUIT IN BRIDGE
15	(2) 4" SCH 40 PVC				ATTACH RIGID CONDUIT OUTSIDE BRIDGE STRUCTURE

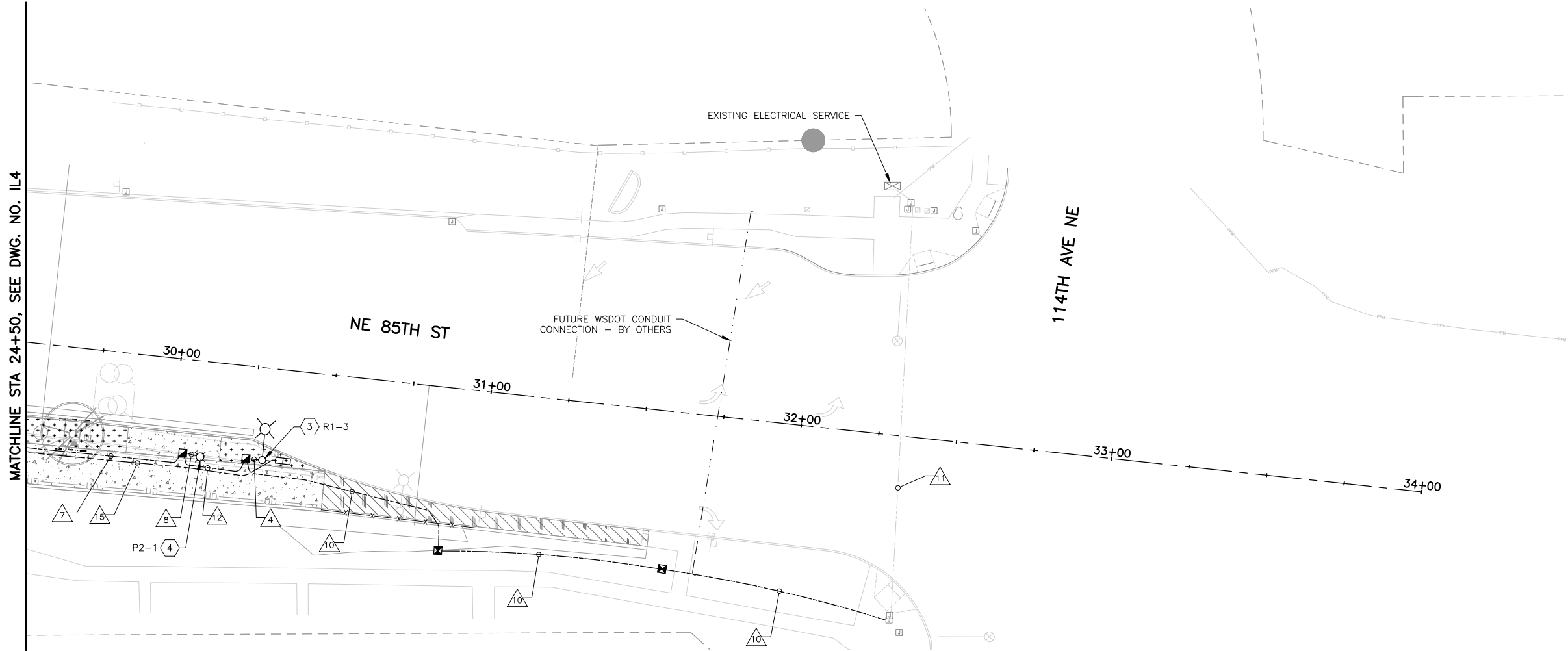


0 20 40
1" = 20'

DWG. NO. IL4

 2707 COLBY AVENUE, SUITE 900 EVERETT, WA 98201 425.252.7700 800.615.9900	 Know what's below. Call before you dig.	 01/06/25	FILE	ENGR.	REVIEW	SCALE	DATE	 CITY OF KIRKLAND PUBLIC WORKS DEPARTMENT 123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800	SHEET 80 / 100
			IL4	##	##	AS SHOWN	JANUARY 2025		

SEC. 5, T. 25 N, R. 5 E, W.M.



MATCHLINE STA 24+50, SEE DWG. NO. IL4

CONSTRUCTION NOTES:

- ① NOT USED.
- ② NOT USED.
- ③ CONSTRUCT ROADWAY LUMINAIRE FOUNDATION PER CITY OF KIRKLAND STD. PLAN NO. CK-TS.08. PROVIDE SLIP BASE PER WSDOT STD PLAN J-28.43-01. FURNISH AND INSTALL STREET LIGHT STANDARD WITH TYPE 1 (DAVIT) MAST ARM, CONDUIT, WIRING AND ALL ASSOCIATED EQUIPMENT PER PER WSDOT STD PLAN J-28.10-02, LUMINAIRE SCHEDULE, AND SPECIAL PROVISIONS.
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ILLUMINATION LEGEND:

- ROADWAY LUMINAIRE
- PEDESTRIAN LUMINAIRE
- JUNCTION BOX TYPE 1
- JUNCTION BOX TYPE 2
- NEMA 4x JUNCTION BOX
- SERVICE CABINET
- TYPE 25-TA FIBER OPTIC VAULT
- CONDUIT
- CONDUIT WIRE NOTE
- CONSTRUCTION NOTE

LUMINAIRE SCHEDULE

LUMINAIRE #	LOCATION		LUMINAIRE CIRCUIT	OUTLET CIRCUIT	FIXTURE TYPE	POLE TYPE	MOUNTING ARM TYPE	LUMINAIRE ARM	MOUNTING HEIGHT	FOUNDATION DEPTH	COMMENTS
	STATION	OFFSET									
P2-1	30+09	31' RT	P2	O2	LUMEC CAND1-65W42LED3K-G2-PC-C-RLE5-240-RCD7-GN8	LUMEC APR4-W-12-GFI-PS-LBC2-GN8	LUMEC CN1-1A-GN8	2'-3"	13'-2.5"	4'-0"	
R1-3	30+29	30' RT	R1	N/A	ERL2-18C330 - TYPE III - MC - 140W LED	COK CK-TS.08		12'-0"	35'-0"	5'-6"	FIXED BASE

ILLUMINATION AND FIBER OPTIC WIRING SCHEDULE

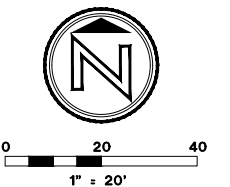
#	CONDUIT	CONDUCTORS	BARE GROUND	CIRCUIT	NOTES
7	2" SCH 40 PVC	2-#8, 6-#4	1-#8	P2, R1, O2, O4	
8	2" SCH 40 PVC	4-#4	1-#8	P2, O2	
10	2" SCH 40 PVC	4-#4	1-#8	O2, O4	
11	EXST	4-#4	1-#8	O2, O4	
12	2" SCH 40 PVC	2-#8, 4-#4	1-#8	R1, O2, O4	
15	(2) 4" SCH 40 PVC				FUTURE FIBER OPTIC

GENERAL NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH 2024 WSDOT STANDARD PLANS & SPECIFICATIONS AND THE LATEST AMENDMENTS, APWA STANDARDS, DESIGN AND CONSTRUCTION STANDARDS, EXCEPT AS MODIFIED BY CONTRACT PLANS AND SPECIAL PROVISIONS.
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- JUNCTION BOXES SHALL BE PLACED A MAXIMUM OF 3' AWAY FROM LIGHT POLE WITH HAND HOLE FACING J-BOX PER CITY OF KIRKLAND STD. PLAN NO. CK-R.47B.
- SEE DWG. NO. SP1-SP5 FOR ILLUMINATION POLE REMOVAL.
- ROADWAY LIGHT LEVELS SHALL BE MAINTAINED THROUGHOUT THE PROJECT. REMOVAL OF ROADWAY LUMINAIRES REQUIRE THE PERMISSION OF THE ENGINEER AND REPLACEMENT WITH PERMANENT OR TEMPORARY LUMINAIRES PROVIDING ACCEPTABLE EQUIVALENT OR BETTER LIGHT LEVELS.

BREAKER SCHEDULE

CIRCUIT	DESCRIPTION	BREAKER RATING	CONTRACTOR RATING	VOLTAGE	LOADING (KVA)	LOADING AMPS
EX SIGNAL	EXISTING SIGNAL	20A	30A	120V	0.7KVA	5.9A
EX STREET LIGHT	EXISTING STREET LIGHTS	20A	30A	240V	0.7KVA	3.0A
O2	OUTLET 2	20A	30A	120V	1.3KVA	10.8A
O4	OUTLET 4	20A	30A	120V	1.3KVA	10.8A
SPARE		20A	30A			

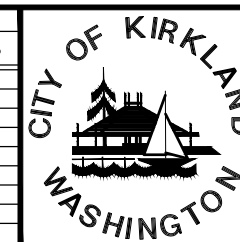


DWG. NO. IL5



01/06/25

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IL5	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



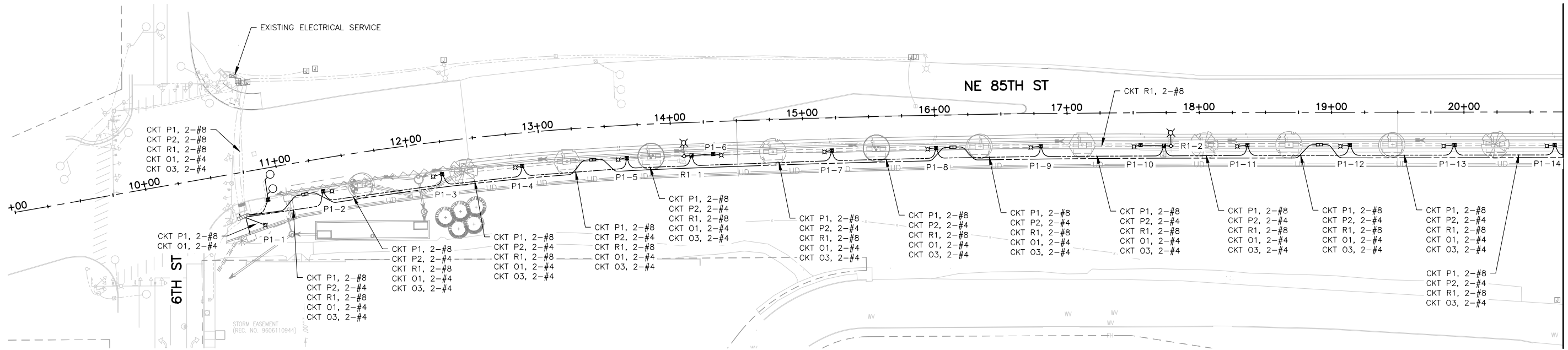
CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800

NE 85TH ST PED-BIKE CONNECTION

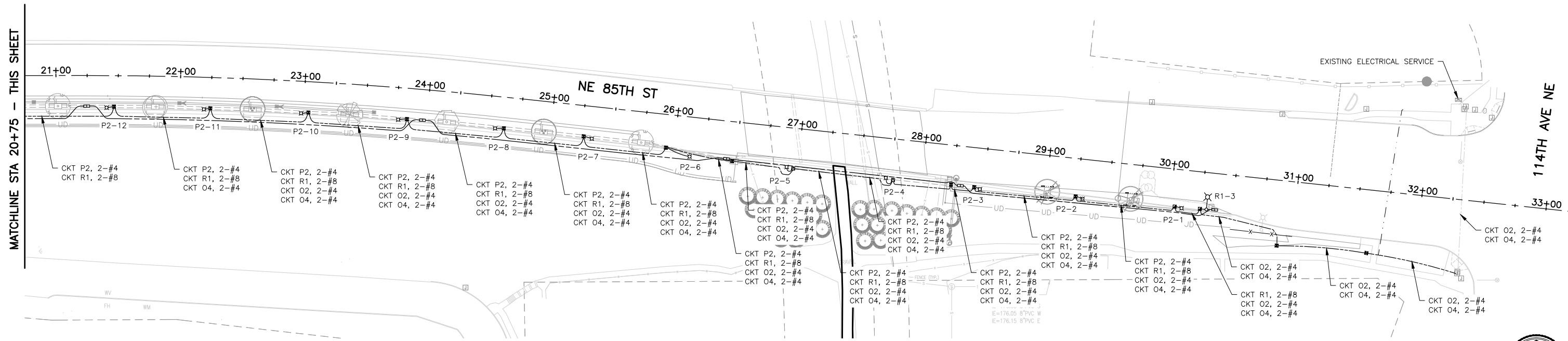
ILLUMINATION PLAN

SHEET
81
100

SEC. 5, T. 25 N, R. 5 E, W.M.



WIRING SCHEMATIC



WIRING SCHEMATIC

MATCHLINE STA 20+75 - THIS SHEET

MATCHLINE STA 20+75 - THIS SHEET

114TH AVE NE

DWG. NO. IL6

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



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FILE	ENGR.	REVIEW	SCALE	DATE
IL6	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE

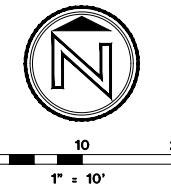


CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
NE 85TH ST PED-BIKE CONNECTION
ILLUMINATION DETAILS

SHEET
82
100

GENERAL SHEET NOTES:

- UTILITY LOCATION (DIAL-A-DIG) PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- ALL JUNCTION BOXES AND CONDUIT RUNS SHALL BE INSTALLED AS SHOWN IN THE PLANS. LOCATIONS SHOWN ARE SCHEMATIC. EXACT LOCATIONS TO BE CONFIRMED BY THE ENGINEER. SEE WSDOT STANDARD PLANS J-40.10-04 AND J-40.30-04.
- UNLESS OTHERWISE SPECIFIED, ALL PROPOSED SIGNAL CONDUIT SHALL BE SCHEDULE. 80 PVC.
- EQUIPMENT GROUNDS SHALL BE #8 (MIN.) WITH #4 COPPER TO THE #4 HOOPS OF SIGNAL POLE OR STREET LIGHT FOUNDATION PER NEC.
- SEE DWG. NO. RD1 FOR CURB RAMP DIMENSIONS AND DETAILS.
- EXISTING PUSH BUTTON TO BE REMOVED AND RELOCATED TO NEW POLE. CONDUCTOR RUNS FROM PPB TO CABINET MUST BE CONTINUOUS. NO SPLICES TO EXISTING CABLE.

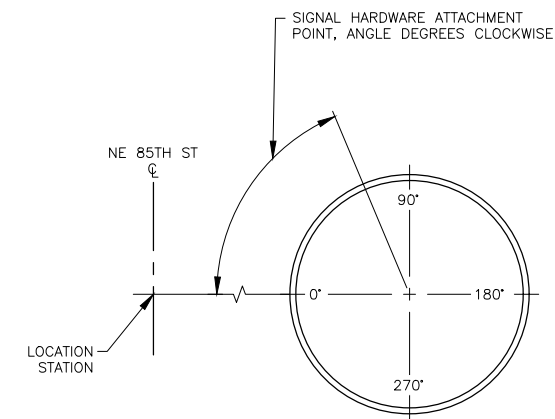


CONSTRUCTION NOTES:

- REMOVE EXISTING JUNCTION BOX.
- ADJUST JUNCTION BOX TO GRADE. REPLACE LIDS WITH SLIP-RESISTANT LIDS PER C.O.K. PRE-APPROVED PLANS POLICY G-2.
- INSTALL CAMERA/RADAR.
- INSTALL CAMERA/RADAR CONTROLLER EQUIPMENT.
- VIRTUAL LOOP DETECTION ZONE, SHOWN FOR REFERENCE ONLY. COORDINATE WITH CITY SIGNAL SHOP.
- INSTALL PERFORMED DETECTOR LOOP TYPE 3. LAYOUT PER WSDOT STD. PLAN J-50.12-02 IN CENTER OF LANE. SEE SPECIAL PROVISION 8-20.
- REMOVE AND RELOCATE EXISTING PUSH BUTTON.

SIGNAL POLE SCHEDULE				
STD. NO.	TYPE	STATION AND OFFSET	FOUNDATION TYPE	BUTTON ORIENTATION
1	PPB	10+66.56 (27.76' rt)	WSDOT STD PLAN J-20.15	90°

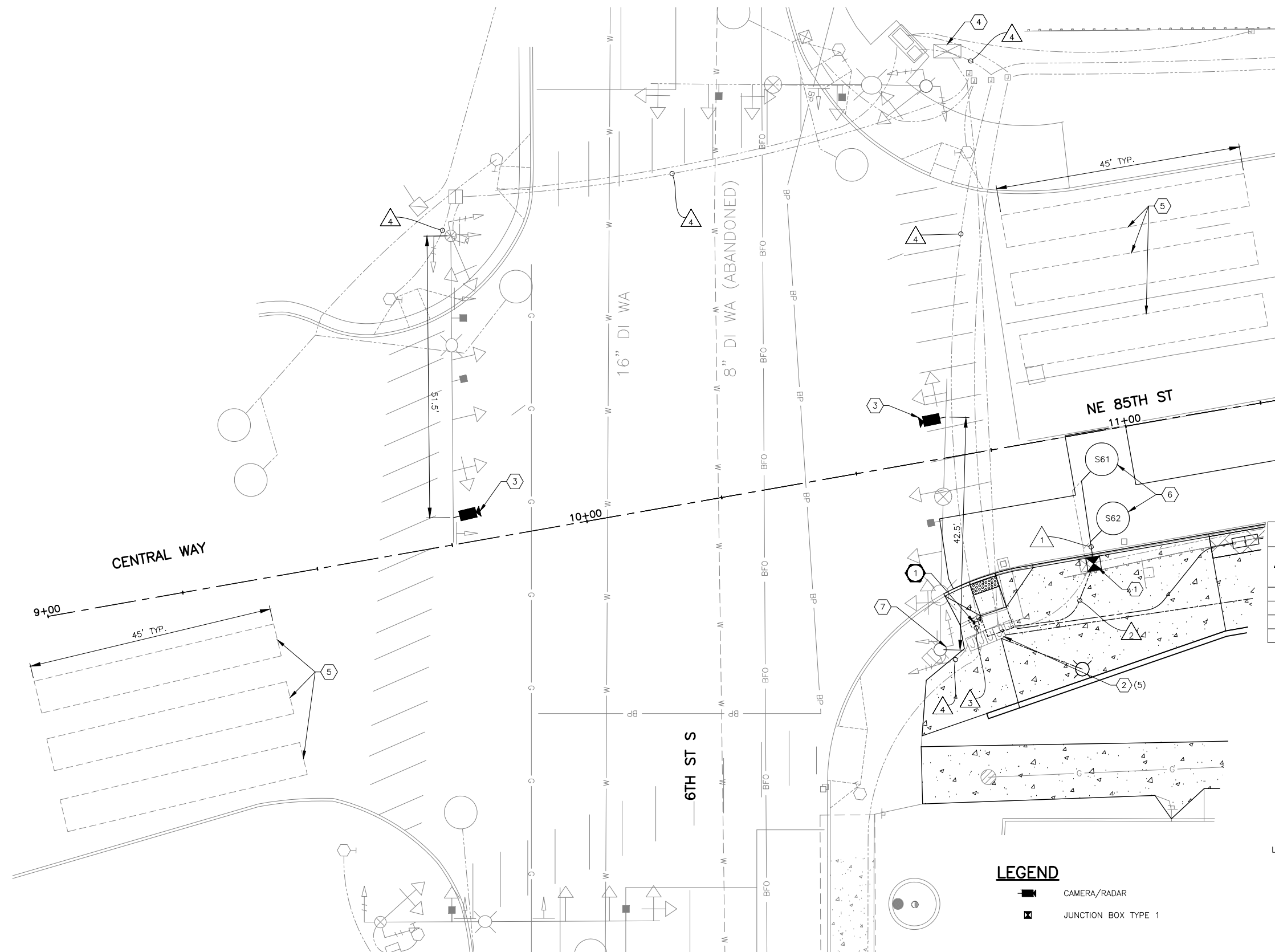
WIRE SCHEDULE					
NO.	CONDUIT	TW PR LOOP #14	VEHICLE DETECT 2C(SH)	PPB 2C(SH)	VIDEO DET (CAT5E)
1	SAWCUT	2			
2	2" SCH 40 PVC		2		
3	2" SCH 40 PVC			1	
4	EXISTING				1



POLE ORIENTATION & ATTACHMENT POINT DETAIL

PLAN VIEW
N.T.S.

DWG. NO. SG1



LEGEND

- CAMERA/RADAR
- JUNCTION BOX TYPE 1

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



01/06/25

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NO.	REVISION	BY	REVIEW	DATE



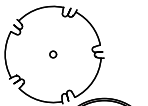
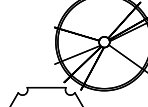

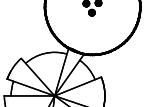
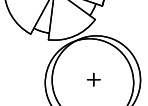

CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
NE 85TH ST PED-BIKE CONNECTION
SIGNAL PLAN

SHEET
83
100

PLANTING SCHEDULE

SYM	QTY	SCIENTIFIC/Common Name	SIZE	REMARKS
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STREET TREES


	4	<i>Tilia cordata</i> 'Greenspire' / GREENSPIRE LITTLE LEAF LINDEN	3" CAL; B&B	FULL, WELL BRANCHED AND WELL ROOTED; STRAIGHT, SINGLE, CENTRAL LEADER & SYMMETRICAL BRANCHING HABIT, MIN 5' BRANCHING HT
	2	<i>Acer rubrum</i> 'Karpick' / KARPICK MAPLE	3" CAL; B&B	
	3	<i>Ulmus</i> 'Frontier' / FRONTIER ELM	3" CAL; B&B	
	4	<i>Acer saccharum</i> 'Green Mountain' / GREEN MOUNTAIN SUGAR MAPLE	3" CAL; B&B	
	4	<i>Nysaa sylvatica</i> / BLACK TUPELO	3" CAL; B&B	
	4	<i>Cornus</i> 'Eddies White Wonder' / EDDIES WHITE WONDER DOGWOOD	3" CAL; B&B	

TREE WELL PLANTING

	380	<i>Pachysandra terminalis</i> 'Green Sheen' / JAPANESE PACHYSANDRA 'GREEN SHEEN'	#1 CONT	FULL AND WELL ROOTED
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RESTORATION PLANTING MIX

TREE

	40	<i>Pseudotsuga menziesii</i> / DOUGLAS FIR	6' HT; B&B OR GROW BAG	STRAIGHT TRUNK, NOT SHEARED; SYMMETRICAL, FULL, WELL BRANCHED & WELL ROOTED, PARK GRADE
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MEDIUM SHRUB

	540	<i>Mahonia aquifolium</i> / OREGON GRAPE	#2 CONT	FULL, WELL BRANCHED AND WELL ROOTED
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SMALL SHRUB

	1,002	<i>Symphoricarpos alba</i> / SNOWBERRY	#2 CONT	FULL, WELL BRANCHED AND WELL ROOTED
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PLANTING STRIP

	235 SY	SOD LAWN		SEE SPECS
	9 SY	4" DEPTH WOOD CHIP MULCH		SEE SPECS

ABBREVIATIONS

%	PERCENT	EA	EACH	SPEC(S)	SPECIFICATION(S)
&	AND	EX	EXISTING	STD	STANDARD
©	AT	HT	HEIGHT	SY	SQUARE YARD
#/NO.	NUMBER	HDPE	HIGH DENSITY POLYETHYLENE	SYM	SYMBOL
ABBV(S)	ABBREVIATION(S)	KZC	KIRKLAND ZONING CODE	TYP	TYPICAL
B&B	BALLED AND BURLAPPED	MFR(S)	MANUFACTURER(S)	W/	WITH
CAL	CALIPER	MAX	MAXIMUM		
CLR	CLEAR	MIN	MINIMUM		
CONT	CONTAINER	POC	POINT OF CONNECTION		
CF	CUBIC FEET	PSI	POUNDS PER SQUARE INCH		
CKC	CROSS KIRKLAND CORRIDOR	PVC	POLYVINYL CHLORIDE		
DIA	DIAMETER	QTY	QUANTITY		
DWGS	DRAWINGS	SCH	SCHEDULE		

PLANTING NOTES

- BRING ANY DISCREPANCIES WITH THE DWGS AND/OR SPECS & SITE CONDITIONS TO THE ATTENTION OF ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- LOCATE UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
- VERIFY ALL GRADES WITH THE ENGINEER BEFORE COMMENCEMENT OF PLANTING:
 - ALL GRADES SHALL FLOW SMOOTHLY INTO ONE ANOTHER WITH NO ABRUPT TRANSITIONS AND PRODUCE POSITIVE STORMWATER DRAINAGE.
 - THE CONTRACTOR IS RESPONSIBLE FOR ANY ADVERSE DRAINAGE CONDITIONS THAT MAY AFFECT PLANT GROWTH UNLESS THE CONTRACTOR CONTACTS THE ENGINEER IMMEDIATELY, INDICATING ANY POSSIBLE PROBLEM.
- FIELD STAKE OR DEMARCATOR TREE, TREE WELL, SOD, AND RESTORATION PLANTING MIX LOCATIONS FOR ENGINEER'S REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- ENSURE PLANT MATERIAL RECEIVES ADEQUATE WATER THROUGHOUT ONE (1) YEAR GUARANTEE PERIOD FOR PLANT ESTABLISHMENT, SEE SPECS.
- TREE LOCATIONS SHOWN ON PLANTING PLANS (SHEETS LP1 TO LP5) ARE APPROXIMATE; IF FIELD ADJUSTMENTS ARE NECESSARY THE FOLLOWING MIN SETBACKS FOR CENTERLINE OF TREE TRUNKS TO EDGE OF DRIVEWAY, FACE OF CURB OR INTERSECTION AND TO CENTER OF ALL OTHERS SHOWN APPLY:

A. STREET LIGHTS	20'
B. DRIVEWAYS	10'
C. INTERSECTIONS	30'
D. UNDERGROUND SEWER & WATER LINES	5'
E. UNDERGROUND GAS LINES	5'
F. UNDERGROUND HIGH PRESSURE GAS LINES	5'
G. UTILITY/POWER POLES	5'
H. UNDERGROUND FIBER CABLE	5'
I. NEW TREES IN ROW FROM EX TREES	20'
J. BACK OF CURB	2'
K. WALLS	10'
- SHRUB OFFSETS FOR RESTORATION PLANTING ONLY FROM CENTER OF SHRUB TO EDGE OF WALL OR PAVING AND TO CENTER OF LIGHTS:

SHRUB SIZE	PAVING	WALLS	STREET LIGHT
SMALL	1.5'	1.5'	1.5'
MEDIUM	5'	3'	3'

TREE MITIGATION REPLACEMENT







- TREE REMOVALS ARE BASED ON TREES IMPACTED BY THE NEW WALL AND MULTI-USE PATH AS IDENTIFIED IN THE ARBORIST REPORT. REMOVALS MAY INCLUDE NON-VIABLE, DEAD/DYING/ OR HAZARDOUS TREES, WHICH ARE NOT SUBJECT TO MITIGATION REQUIREMENTS PER KZC 95.23.4.

TOTAL TREE REMOVAL	QTY
REMOVED TREES WHICH ARE NOT SIGNIFICANT (THEREFORE NOT REGULATED, SEE NOTE 1.d.)	241
REMOVED TREES WHICH ARE NOT VIABLE (THEREFORE NOT REGULATED)	50
REMOVED TREES WHICH ARE POTENTIALLY REGULATED (SEE NOTE 4)	172
REGULATED, VIABLE TREES REQUIRED TO BE MITIGATED	122

MITIGATION REQUIREMENTS			
TREE CATEGORY	QTY	MITIGATION RATIO	REPLACEMENT QTY
SIGNIFICANT TREES (6"-25.9" DBH)	120	1:1	120
LANDMARK TREES (26"+ DBH)	2	3:1	6
		TOTAL 126	
REPLACEMENT PROVISIONS			
	QTY		
REPLACEMENT TREES PROVIDED ON-SITE	61		
TREES TO BE MITIGATED THROUGH FEE-IN-LIEU	65		

- TREE STATUS DETERMINATION FOR VIABILITY PER KZC 95.10.17.J.
 - LANDMARK TREES ARE TO BE MITIGATED AT A 3:1 RATIO PER KZC 95.23.3A.
 - SIGNIFICANT TREES ARE TO BE MITIGATED AT A 1:1 RATIO PER KZC TABLE 95.25.3 TREE REPLACEMENT STANDARDS.
 - TREES THAT ARE NOT SIGNIFICANT ARE <6" DBH.
- TREES REQUIRING MITIGATION MUST MEET THE FOLLOWING CRITERIA:
 - IS A REGULATED TREE AT LEAST 6" DBH THAT IS NOT ON A PROHIBITED PLANT LIST.
 - BE VIABLE PER KZC TABLE 95.30.2.
 - ALL ONSITE MITIGATION TREES ARE LISTED ON THE APPROVED CITY OF KIRKLAND APPROVED LANDMARK TREE MITIGATION LIST.
 - POTENTIALLY REGULATED TREES REFERS TO SIGNIFICANT TREES BEFORE THE VIABILITY ASSESSMENT IS APPLIED.

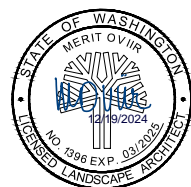
LEGEND

	DETAIL IDENTIFICATION SHEET IDENTIFICATION
	EXISTING TREE
	EXISTING STREET LIGHTING
	NEW STREET LIGHTING; SEE LIGHTING PLANS
	SOIL CELL OUTLINE 11 SOIL CELLS PER TREE (21 CF EA CELL)
	ROOT BARRIER; 18" DEPTH AT TREES IN SOD LAWN AREAS AND IN TREE WELLS ADJACENT TO ROADWAY CURBS, 12" DEPTH AT TREE WELLS WITH SOIL CELLS ON SIDES ADJACENT TO PEDESTRIAN PAVING; INSTALL ROOT BARRIER PER MFR'S DIRECTION

DWG. NO. LS1

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811
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2101 4TH AVENUE, SUITE 1900
SEATTLE, WA 98121
206.682.3051 phone
206.682.3245 fax

FILE	ENGR.	REVIEW	SCALE	DATE
LS1	MW	JV	N/A	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
NE 85TH ST PED-BIKE CONNECTION
PLANTING SCHEDULE, LEGEND, NOTES,
TREE MITIGATION REPLACEMENT & ABBVS

SHEET
85
100

IRRIGATION SCHEDULE

POP-UP SPRAY HEADS

SYMBOL	DESCRIPTION	RADIUS	PRESSURE	GPM + 10%
	HUNTER PRS-30-12-MP PRO ADJUSTABLE 4A	4'	30	0.24

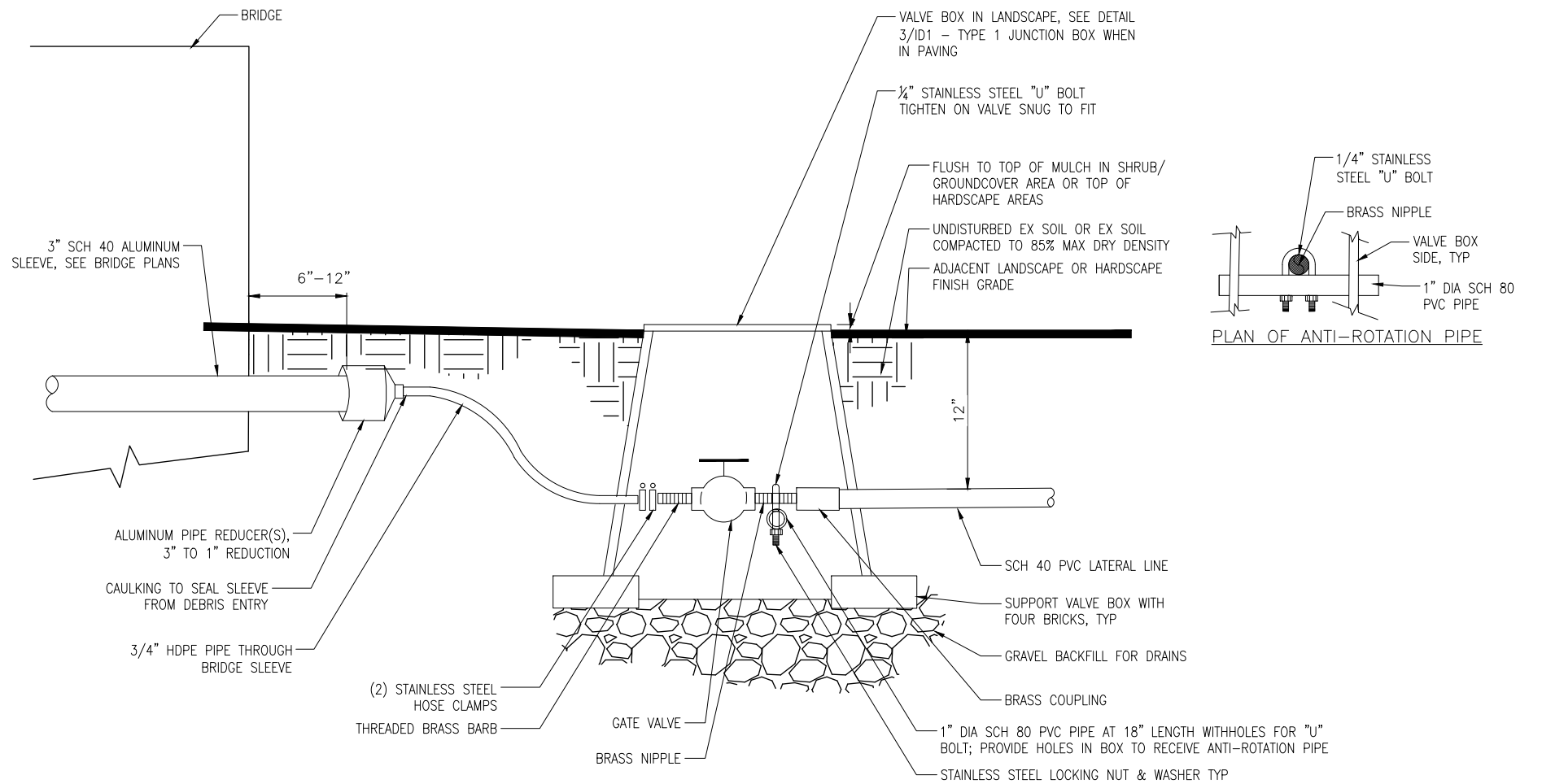
- PIPE SLEEVES (SCH 80 PVC) WITH SIZE
 - LATERAL LINE (SCH 40 PVC) WITH SIZE
 - 1.5" MAINLINE UNLESS NOTED OTHERWISE ON PLAN (SCH 40 PVC)
 - HUNTER RZWS-36-25-CV ROOT WATERING SYSTEM (0.25 GPM BUBBLER WITH CHECK VALVE) - FOUR (4) PER TREE.
- GPM → XX
VALVE SIZE → XX
- AUTOMATIC CONTROL VALVES WITH SIZE- RAINBIRD PEB SERIES
 - 1.5" HAMMOND GATE VALVE MODEL 667 OR APPROVED EQUAL
 - POINT OF CONNECTION
 - 1" WATER METER, SEE CIVIL DWGS
 - TYPE 1 JUNCTION BOX PER WSDOT STD PLAN J-40.10. PROVIDE SLIP-RESISTANT LID PER CITY OF KIRKLAND PRE-APPROVED PLANS POLICY G-2
 - 1" WILKINS 950XLT DOUBLE CHECK VALVE ASSEMBLY
 - QUICK COUPLER; RAINBIRD 44 LRC
 - PEDESTAL MOUNTED IRRIGATION CONTROLLER, WEATHERMATIC SMARTLINE CONTROLLER BUNDLE SL1616-1YR-BDL-M1NA, WITH REMOTE, MOUNTED IN SLPED-ENC-SS-1600 STAINLESS STEEL PEDESTAL
 - MANUAL DRAIN VALVE

PIPE SIZE LEGEND

- 3/4" INSTALL SCH 40 PVC IN-LINE CHECK VALVE (KBI SPRING CHECK VALVE, KC2 THREADED FITTINGS) ON LATERAL LINES, SIZED TO MATCH LATERAL LINE, ON ALL LINES WHERE SLOPE EXCEEDS 14' OF ELEVATION DROP. INSTALL ONE IN-LINE CHECK VALVE FOR EVERY 14' CHANGE IN ELEVATION ON SPRAY AND ROOT WATERING SYSTEM CIRCUITS.
- 1"
- 1-1/2"

IRRIGATION NOTES

- THERE IS A LOSS OF PRESSURE IN EACH PIPE FITTING DUE TO FRICTION & ADDITIONAL HEADS MAY BE NEEDED DUE TO FIELD CONDITIONS. THESE LOSSES ARE COMPENSATED FOR BY ADDING TEN (10) PERCENT TO THE MFRS RATED GPM FOR EACH NOZZLE.
- LOCATE AUTOMATIC CONTROL VALVES IN TREE WELL AT POINT OF EASY ACCESS. RESIDENT ENGINEER TO REVIEW & APPROVE FINAL LOCATION OF ALL AUTOMATIC CONTROL VALVES PRIOR TO INSTALLATION.
- HEAD LOCATION MUST BE ADJUSTED IN THE FIELD TO COMPLY WITH EX SITE CONDITIONS, PLANT MATERIALS & ANY OTHER ITEMS DEEMED APPROPRIATE BY THE ENGINEER.
- CONTRACTOR SHALL COORDINATE IRRIGATION EQUIPMENT WITH PLANT MATERIAL, TO AVOID CONFLICTS, SPRAY BLOCKAGE & ANY OTHER ITEMS DEEMED APPROPRIATE BY THE ENGINEER.
- EX STATIC PSI AT PROPOSED IRRIGATION METER IS BETWEEN 72-82 PSI. INFORMATION PROVIDED BY NICK BELDEAN, GROUNDS DIVISION LEAD AT CITY OF KIRKLAND PUBLIC WORKS DEPARTMENT, 915 8TH ST, KIRKLAND, WA 98033, 425.587.3908, RECEIVED ON 07/04/23. PRIOR TO INSTALLATION OF IRRIGATION SYSTEM, CONTRACTOR SHALL FIELD VERIFY EX PSI & NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN THE DESIGN PSI & EX PSI PRIOR TO PROCEEDING WITH WORK.
- SYSTEM DESIGNED TO 30 PSI (SPRAY HEADS).
- IRRIGATION CONTRACTOR SHALL COORDINATE IRRIGATION SLEEVING LOCATIONS WITH GENERAL CONTRACTOR.
- DRAWING IS SCHEMATIC. ACTUAL LOCATIONS MAY VARY DUE TO PLANT MATERIALS, UTILITIES OR EX CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR LOCATING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
- ALL IRRIGATION SLEEVING TO BE STAKED IN THE FIELD & LOCATED ON DIMENSIONED "AS-BUILT" DRAWING TO ALLOW FUTURE LOCATION & USE.
- WHERE PIPE SIZES ARE NOT SHOWN ON THE PLAN, PIPE SHALL BE SIZED TO THE NEXT LARGEST PIPE SIZE SHOWN UPSTREAM ON THE PLAN.



1 IRRIGATION CONNECTION AT BRIDGE CROSSING
NOT TO SCALE

DWG. NO. LS2



FILE	ENGR.	REVIEW	SCALE	DATE
LS2	MW	JV	N/A	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE

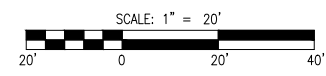
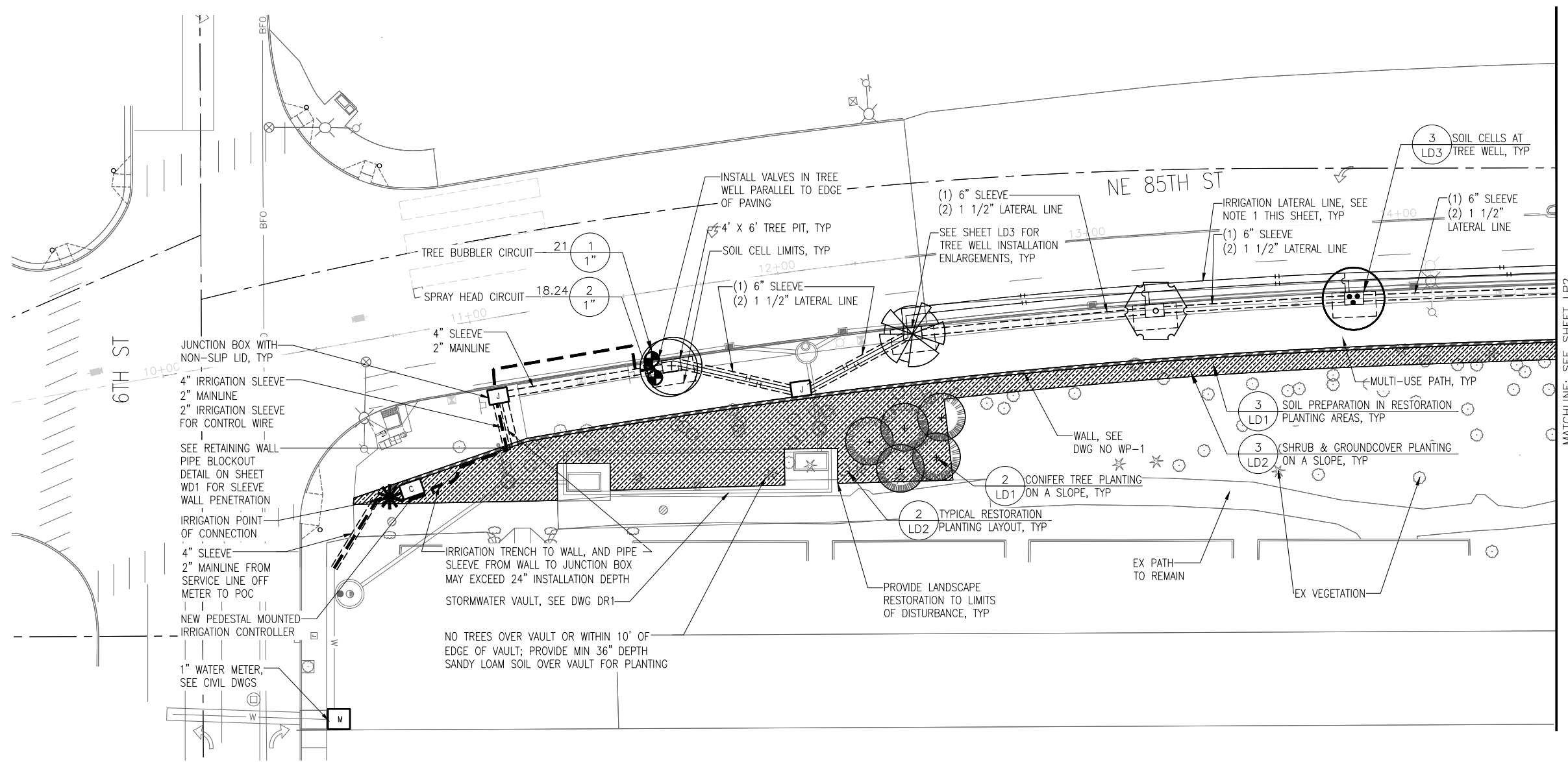


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PUBLIC WORKS DEPARTMENT
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NE 85TH ST PED-BIKE CONNECTION
IRRIGATION SCHEDULE, NOTES,
LEGEND AND DETAIL

SHEET
86
100

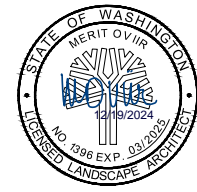
SEC. 5, T. 25 N, R. 5 E, W.M.

- NOTES:
 1. IRRIGATION PIPE IS SHOWN SCHEMATICALLY FOR CLARITY. INSTALL IRRIGATION LINES UNDER PAVING IN SLEEVES.
 2. SEE SHEET LS1 FOR PLANT SCHEDULE.



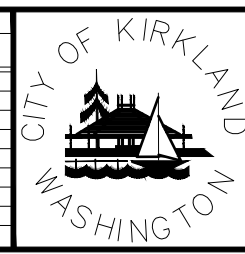
DWG. NO. LP1

PERTEET
 2707 COLBY AVENUE, SUITE 900
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FILE	ENGR.	REVIEW	SCALE	DATE
LP1	MW	JV	1"=20'	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE

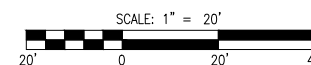
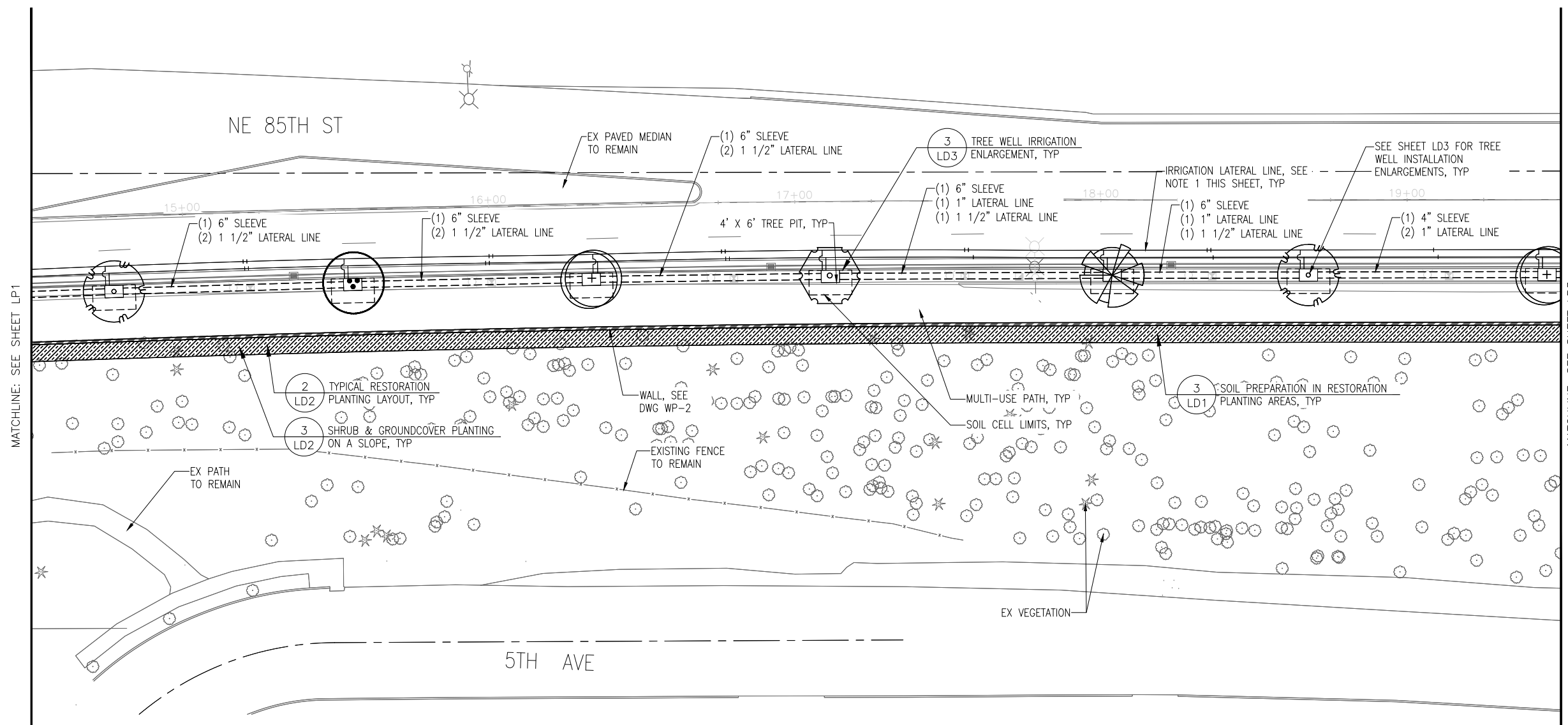


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 NE 85TH ST PED-BIKE CONNECTION
 LANDSCAPE PLAN

SHEET
 87
 100

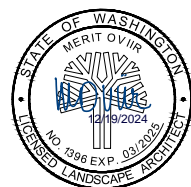
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- NOTES:
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 2. SEE SHEET LS1 FOR PLANT SCHEDULE.



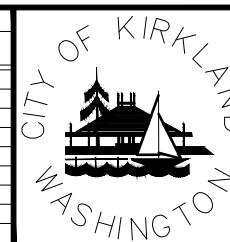
DWG. NO. LP2

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FILE	ENGR.	REVIEW	SCALE	DATE
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NO.	REVISION	BY	REVIEW	DATE

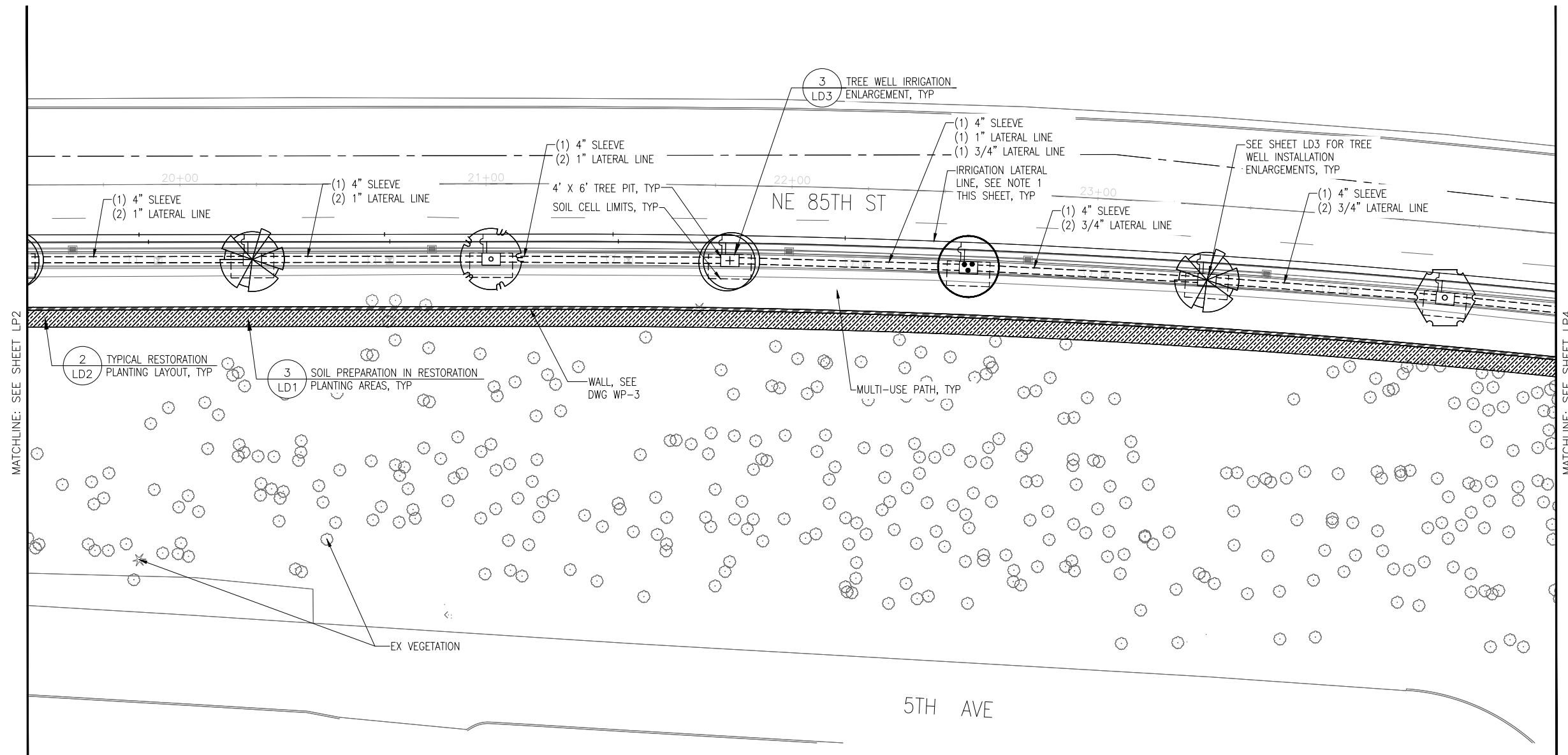


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 LANDSCAPE PLAN

SHEET
 88
 100

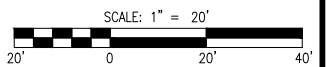
SEC. 5, T. 25 N, R. 5 E, W.M.

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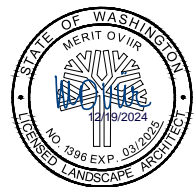
MATCHLINE: SEE SHEET LP2

MATCHLINE: SEE SHEET LP4



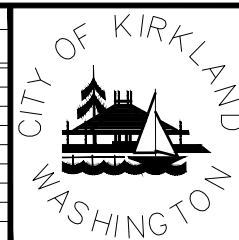
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FILE	ENGR.	REVIEW	SCALE	DATE
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NO.	REVISION	BY	REVIEW	DATE

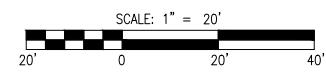
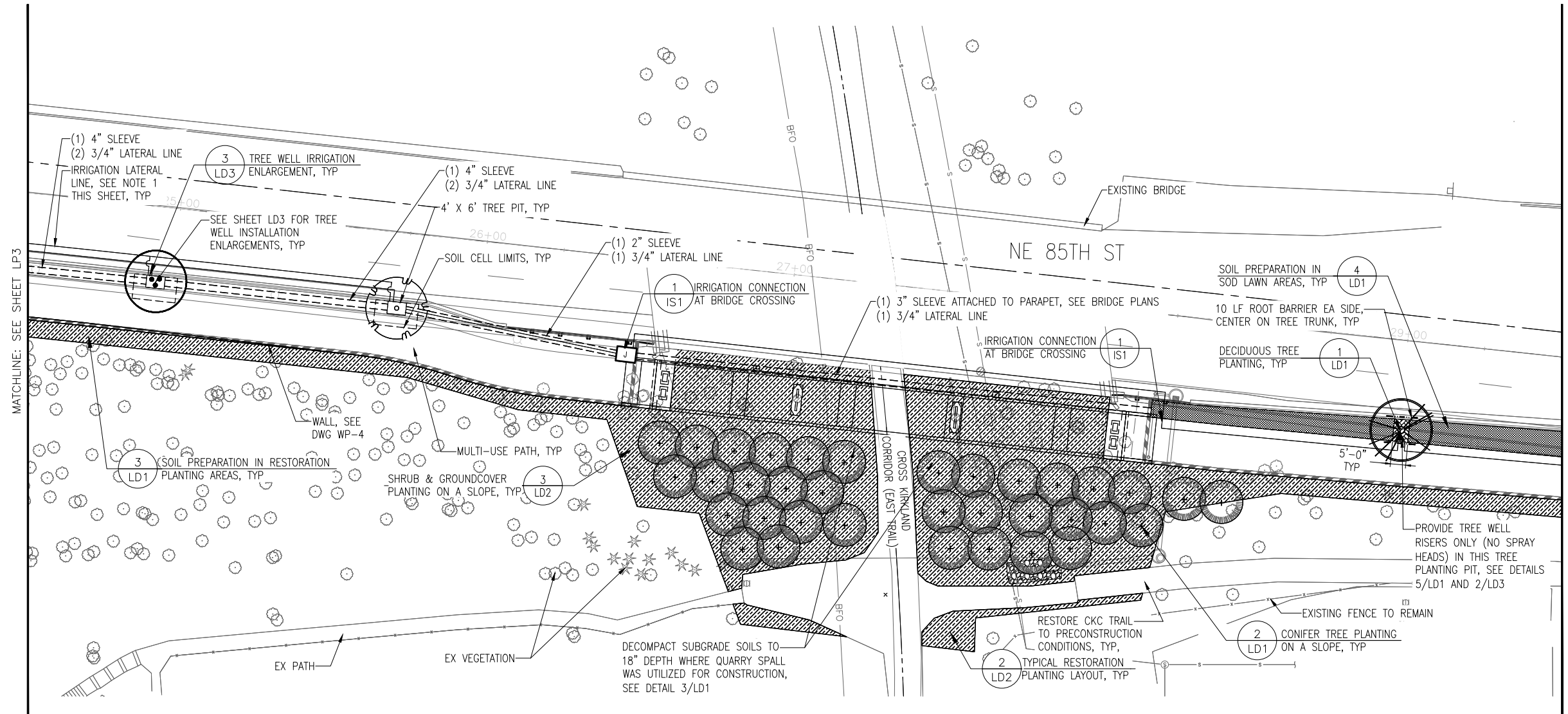


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SHEET
 89
 100

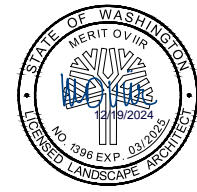
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- NOTES:
 1. IRRIGATION PIPE IS SHOWN SCHEMATICALLY FOR CLARITY. INSTALL IRRIGATION LINES UNDER PAVING IN SLEEVES.
 2. SEE SHEET LS1 FOR PLANT SCHEDULE.



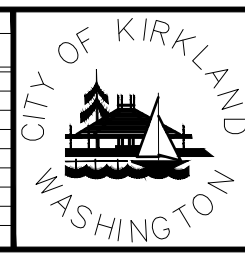
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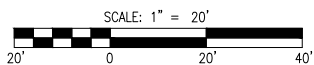
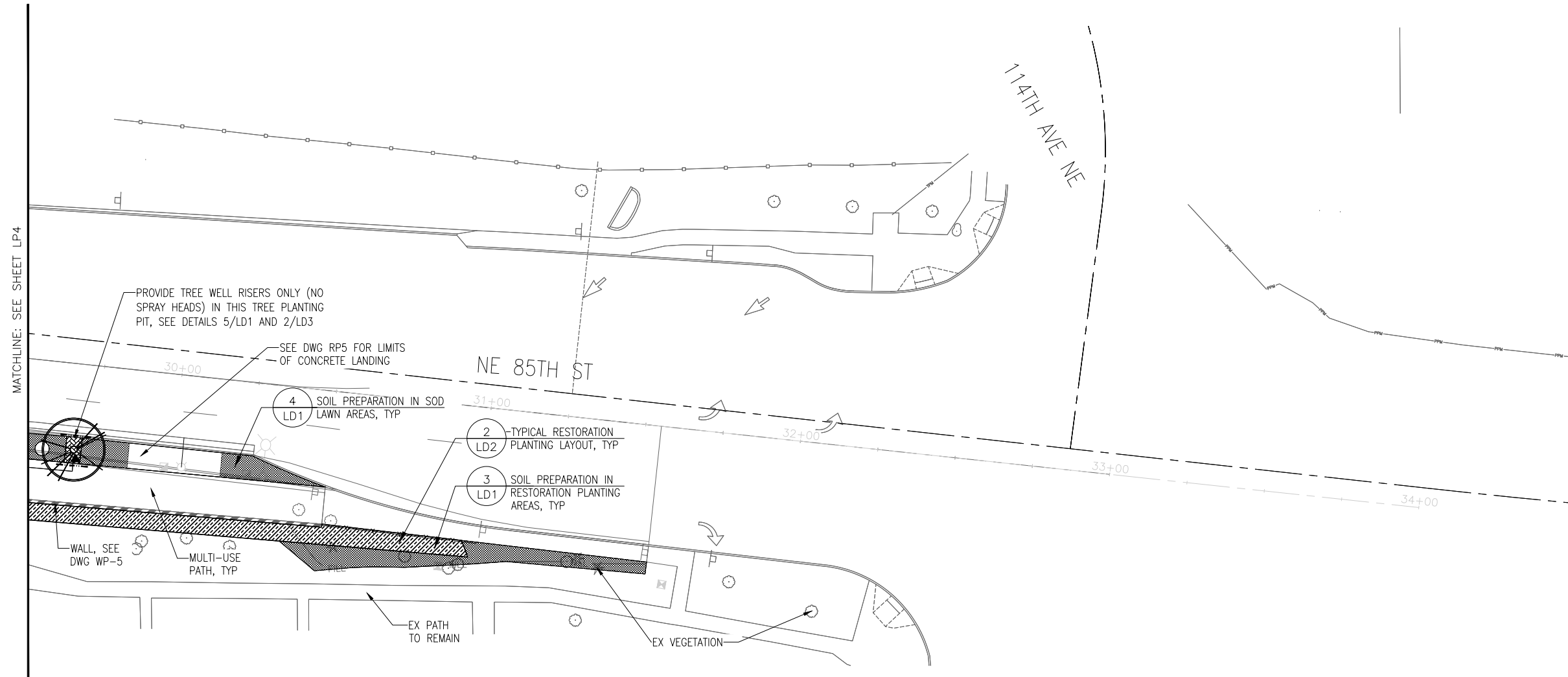


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 NE 85TH ST PED-BIKE CONNECTION
 LANDSCAPE PLAN

SHEET
 90 / 100

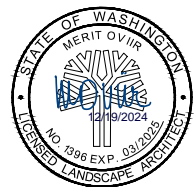
SEC. 5, T. 25 N, R. 5 E, W.M.

NOTE:
 1. SEE SHEET LS1 FOR PLANT SCHEDULE.
 2. IRRIGATION PIPE IS SHOWN SCHEMATICALLY FOR CLARITY. INSTALL IRRIGATION SLEEVES UNDER PAVING IN SLEEVES.



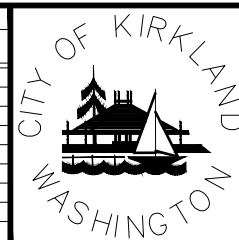
DWG. NO. LP5

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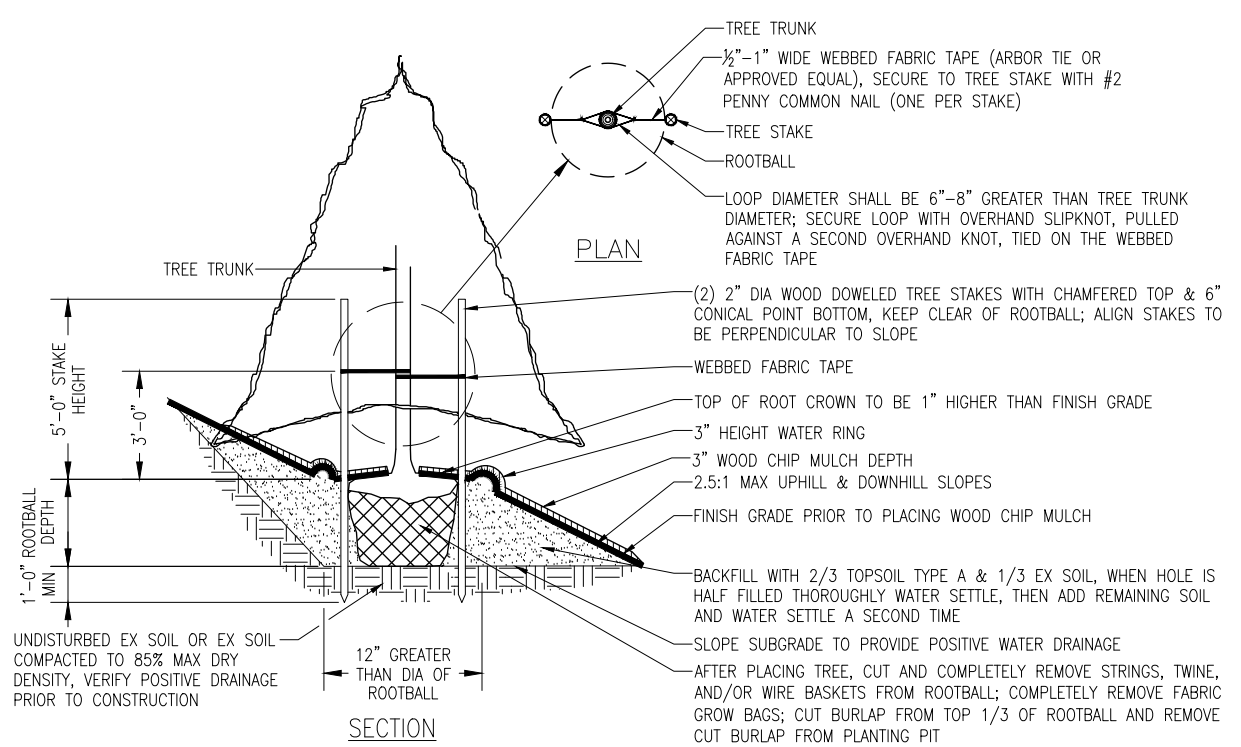
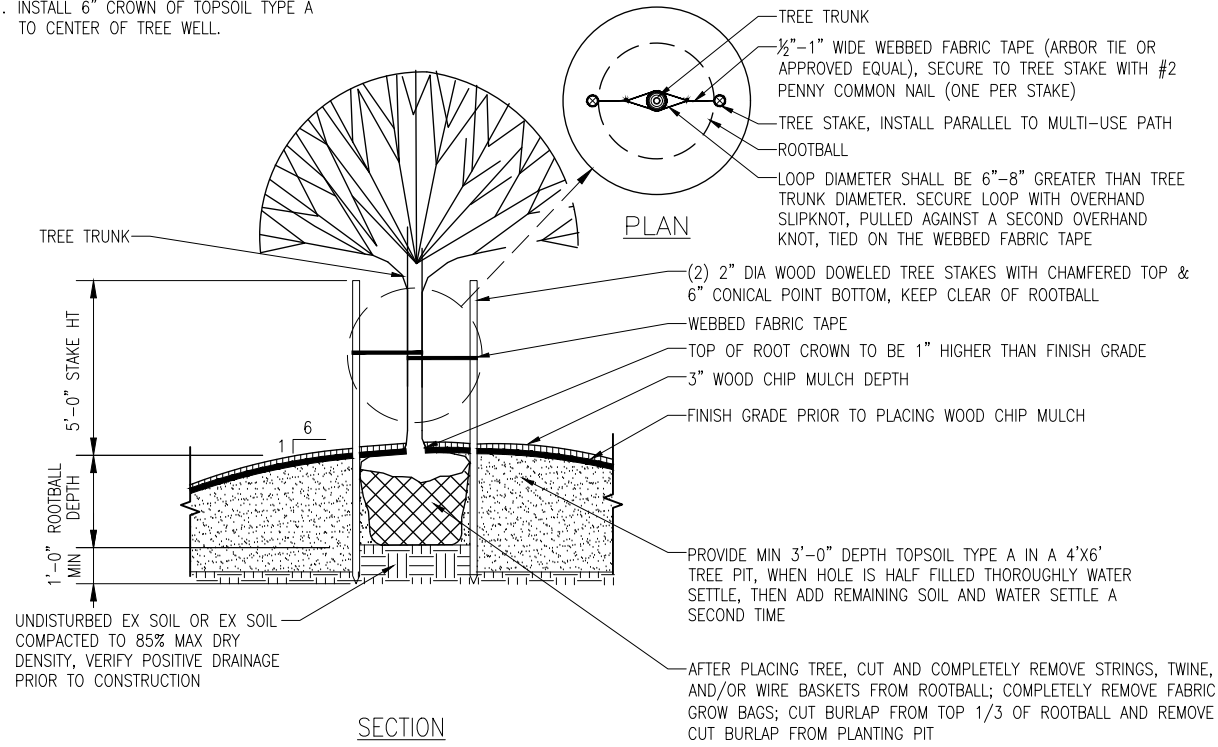
FILE	ENGR.	REVIEW	SCALE	DATE
LP5	MW	JV	1"=20'	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



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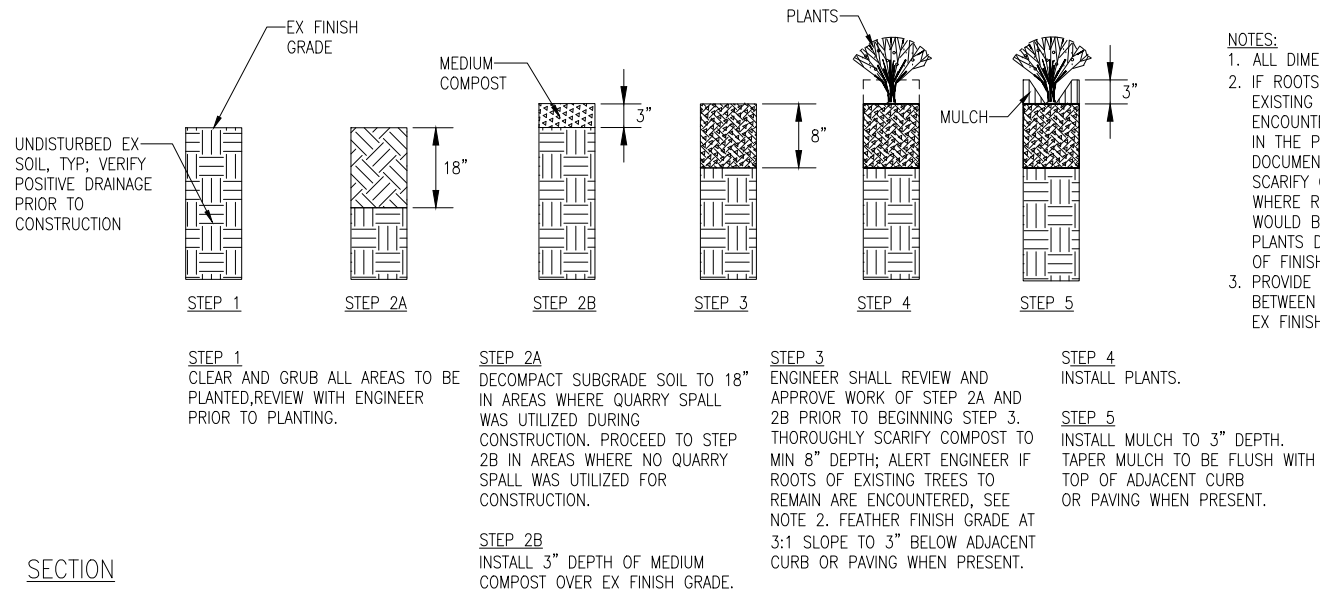
SHEET
 91 / 100

NOTE:
1. INSTALL 6" CROWN OF TOPSOIL TYPE A TO CENTER OF TREE WELL.

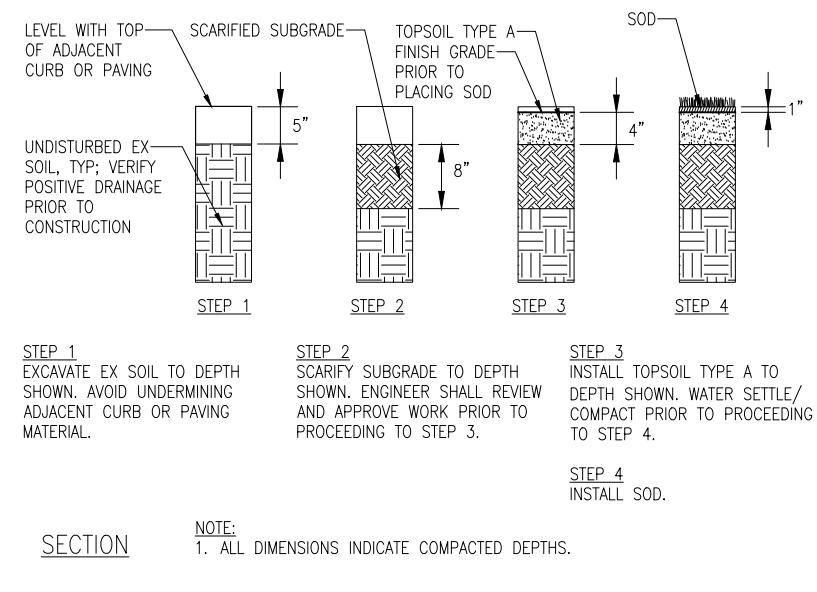


1 DECIDUOUS TREE PLANTING
NOT TO SCALE

2 CONIFER TREE PLANTING ON A SLOPE
NOT TO SCALE



NOTES:
1. ALL DIMENSIONS INDICATE COMPACTED DEPTHS.
2. IF ROOTS 2" DIAMETER OR GREATER OF EXISTING TREES TO REMAIN ARE ENCOUNTERED, PHOTO DOCUMENT CONDITIONS IN THE PRESENCE OF ENGINEER AND PROVIDE DOCUMENTATION TO ENGINEER. DO NOT SCARIFY COMPOST INTO EXISTING SUBGRADE WHERE ROOTS OF EXISTING TREES TO REMAIN WOULD BE DISTURBED; INSTEAD INSTALL PLANTS DIRECTLY THROUGH COMPOST ON TOP OF FINISH GRADE PRIOR TO MULCHING.
3. PROVIDE A SMOOTH AND EVEN TRANSITION BETWEEN NEW FINISH GRADE AND ADJACENT EX FINISH GRADE.



NOTE:
1. ALL DIMENSIONS INDICATE COMPACTED DEPTHS.

3 SOIL PREPARATION IN RESTORATION PLANTING AREAS
NOT TO SCALE

4 SOIL PREPARATION IN SOD LAWN AREAS
NOT TO SCALE

DWG. NO. LD1

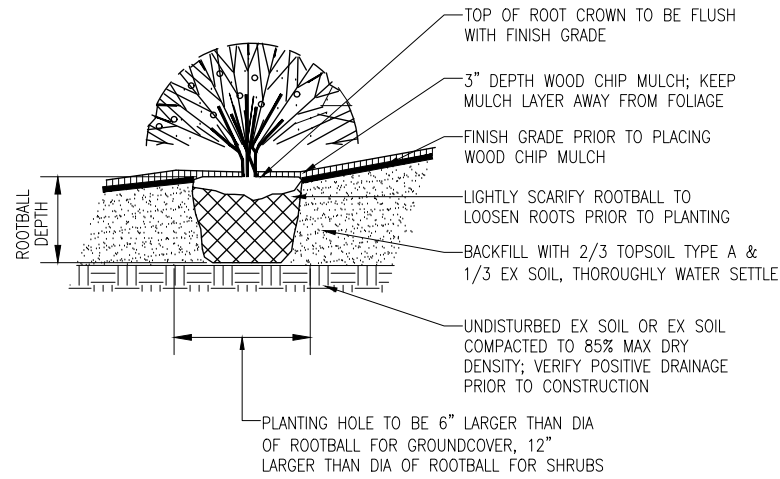


FILE	ENGR.	REVIEW	SCALE	DATE
LD1	MW	JV	N/A	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



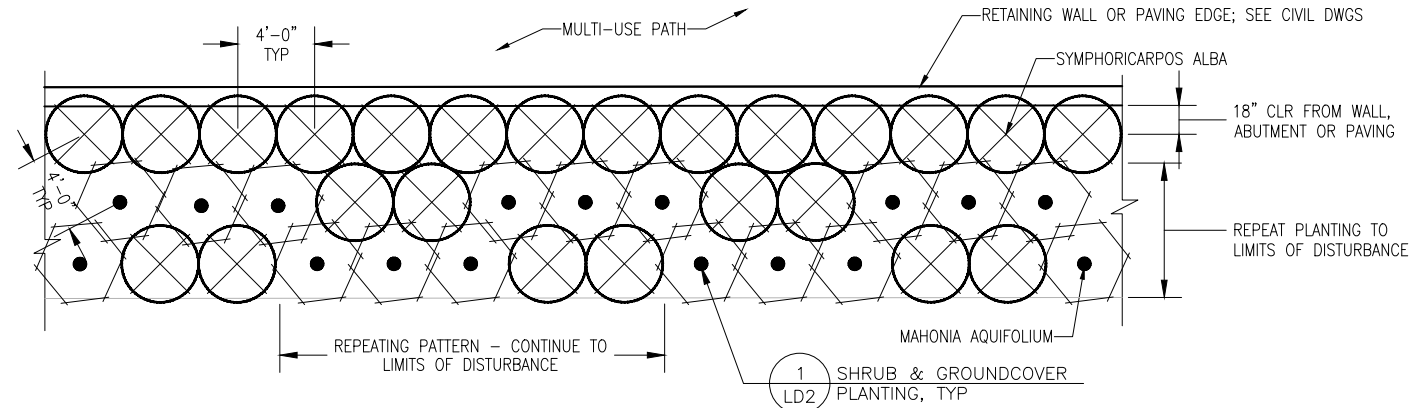
CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
NE 85TH ST PED-BIKE CONNECTION
PLANTING DETAILS

SHEET
92
100



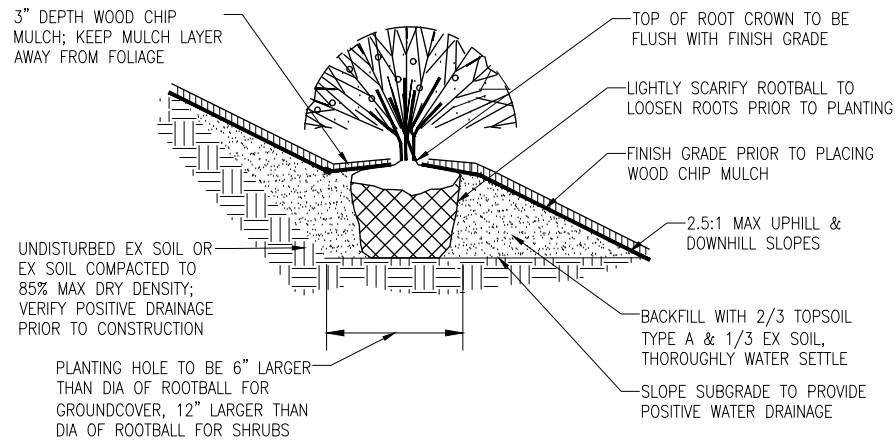
SECTION

1 SHRUB & GROUNDCOVER PLANTING
NOT TO SCALE



PLAN

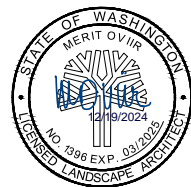
2 TYPICAL RESTORATION PLANTING LAYOUT
SCALE = 1:5



SECTION

3 SHRUB & GROUNDCOVER PLANTING ON A SLOPE
NOT TO SCALE

DWG. NO. LD2

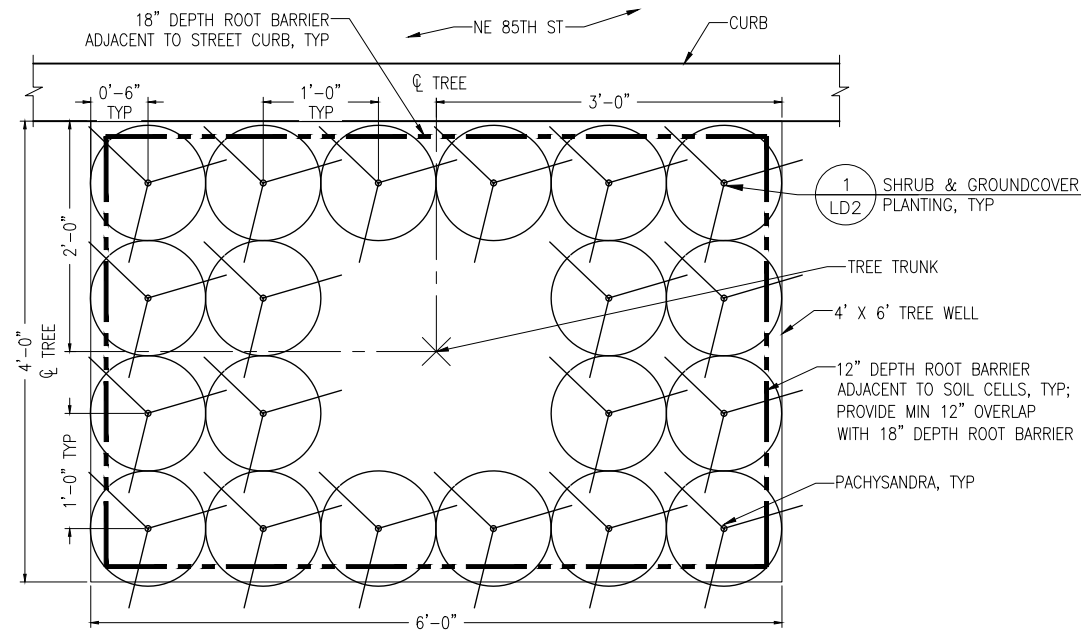


FILE	ENGR.	REVIEW	SCALE	DATE
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NO.	REVISION	BY	REVIEW	DATE

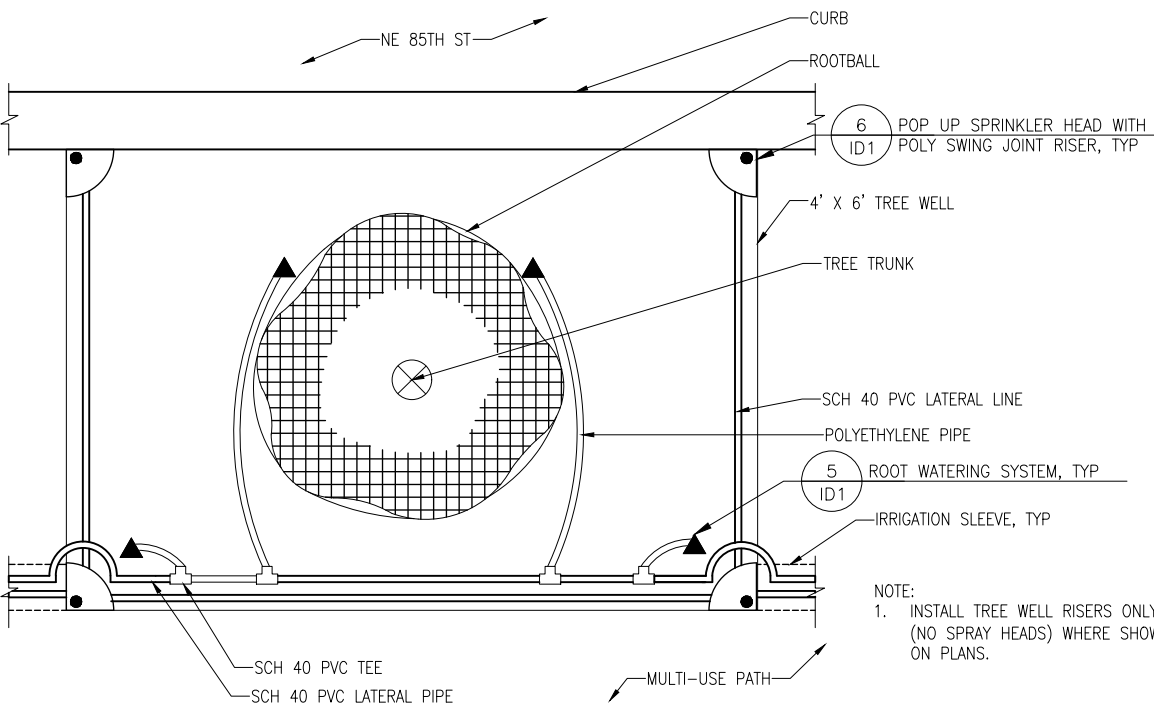


CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
NE 85TH ST PED-BIKE CONNECTION
PLANTING DETAILS

SHEET
93 / 100

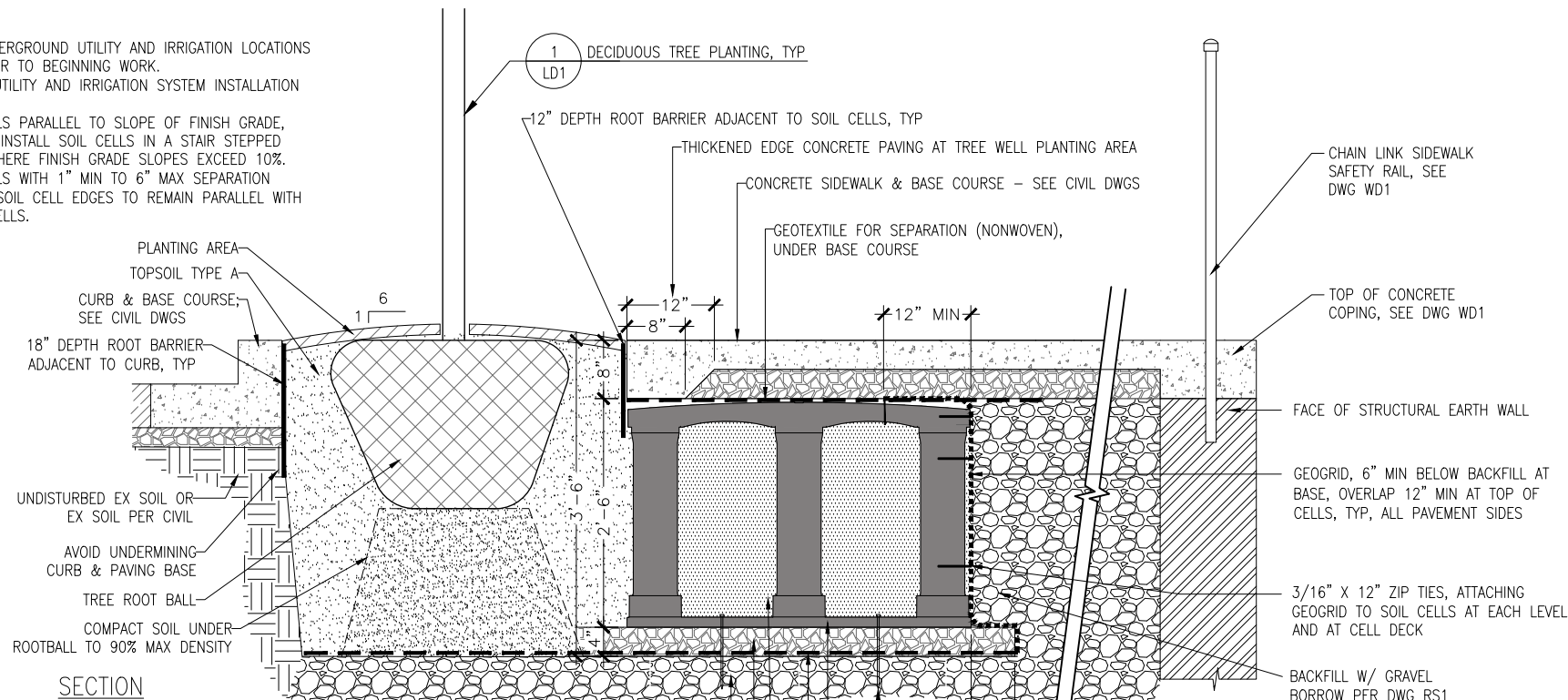


1 TREE WELL PLANTING ENLARGEMENT
NOT TO SCALE

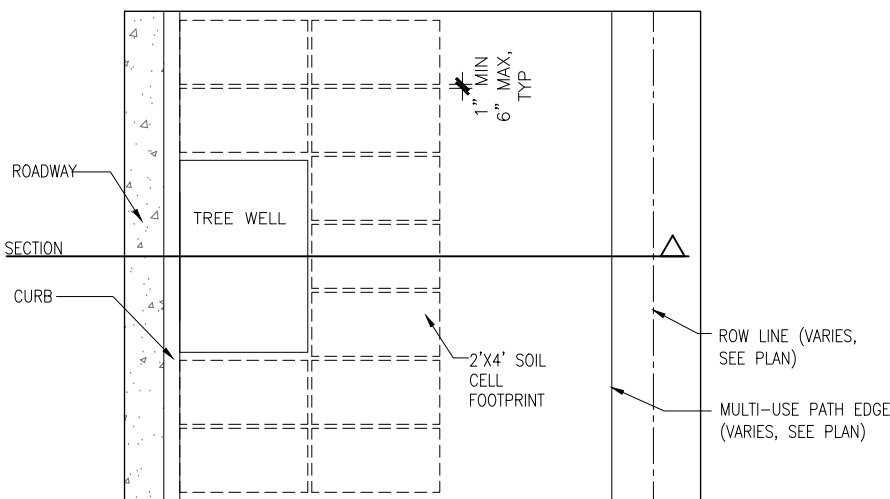


2 TREE WELL IRRIGATION ENLARGEMENT
NOT TO SCALE

- NOTE:**
1. FIELD VERIFY UNDERGROUND UTILITY AND IRRIGATION LOCATIONS AND DEPTHS PRIOR TO BEGINNING WORK.
 2. COORDINATE W/ UTILITY AND IRRIGATION SYSTEM INSTALLATION AS REQUIRED.
 3. INSTALL SOIL CELLS PARALLEL TO SLOPE OF FINISH GRADE, MAX 10% SLOPE. INSTALL SOIL CELLS IN A STAIR STEPPED CONFIGURATION WHERE FINISH GRADE SLOPES EXCEED 10%.
 4. INSTALL SOIL CELLS WITH 1" MIN TO 6" MAX SEPARATION BETWEEN CELLS. SOIL CELL EDGES TO REMAIN PARALLEL WITH ADJACENT SOIL CELLS.



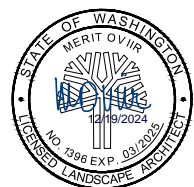
SECTION



PLAN

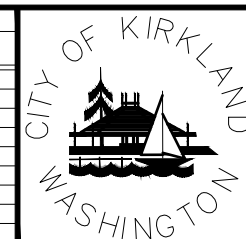
3 SOIL CELLS AT TREE WELL
NOT TO SCALE

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



HBB
LANDSCAPE ARCHITECTURE
2101 4TH AVENUE, SUITE 1900
SEATTLE, WA 98121

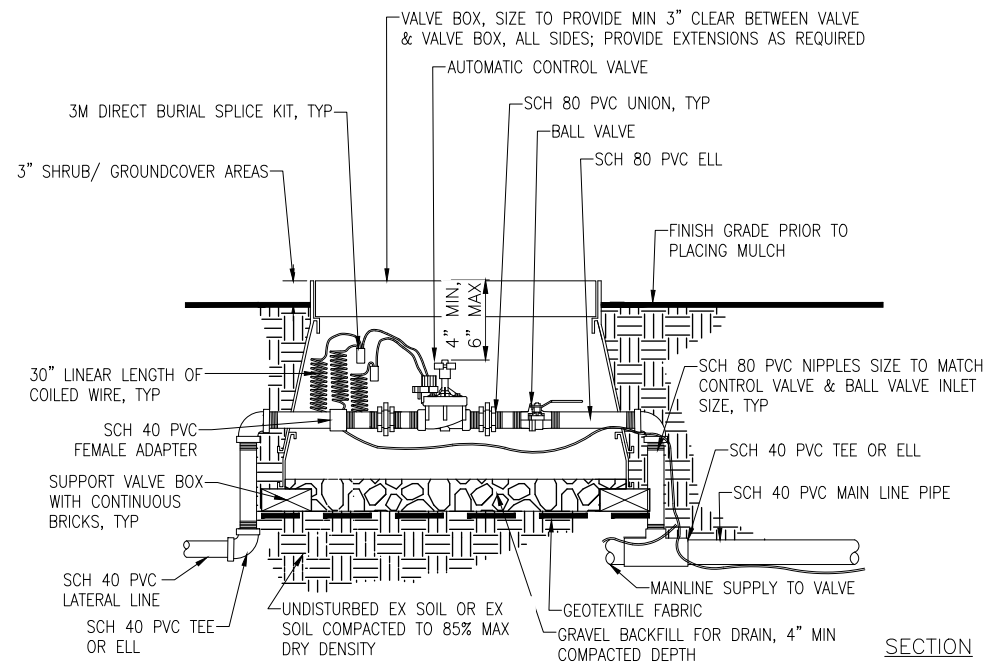
FILE	ENGR.	REVIEW	SCALE	DATE
LD3	MW	JV	N/A	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
NE 85TH ST PED-BIKE CONNECTION
TREE WELL INSTALLATION ENLARGEMENTS

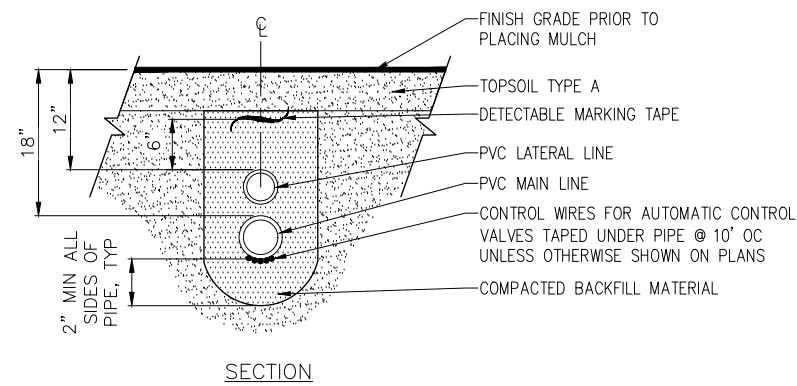
DWG. NO. LD3

SHEET
94
100

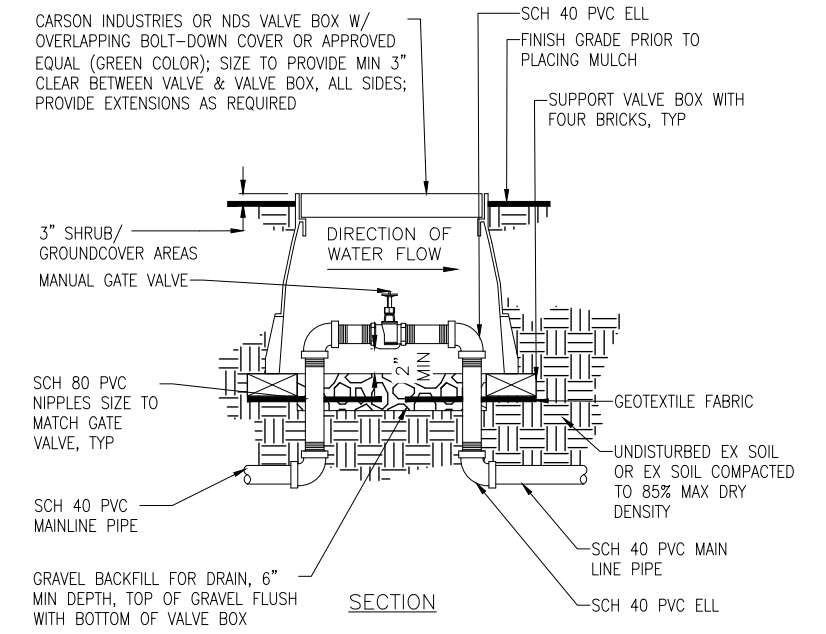


1 AUTOMATIC CONTROL VALVE
NOT TO SCALE

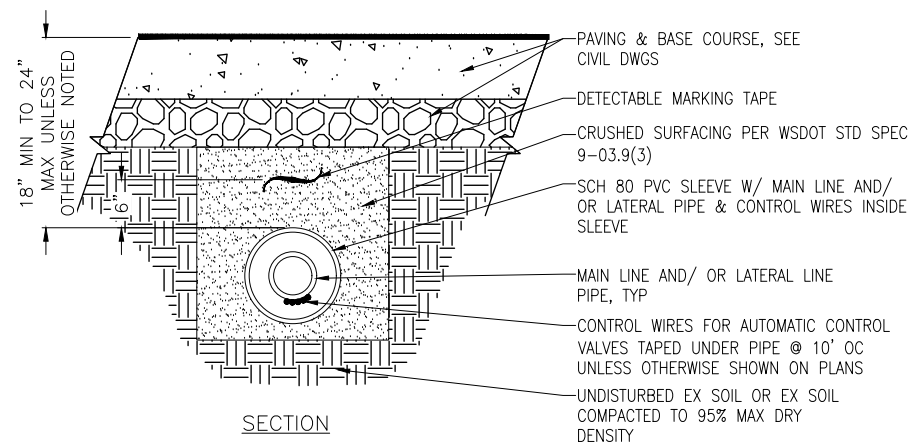
- NOTES:**
1. ALL IRRIGATION PIPE UNDER PAVEMENT SHALL BE SLEEVED, SEE DETAIL 4/ID1.
 2. BACKFILL MATERIAL TO BE FREE OF ROCK OR DEBRIS LARGER THAN 1". NO ROCK OR DEBRIS SHALL BE PLACED DIRECTLY ADJACENT TO ANY PIPE.



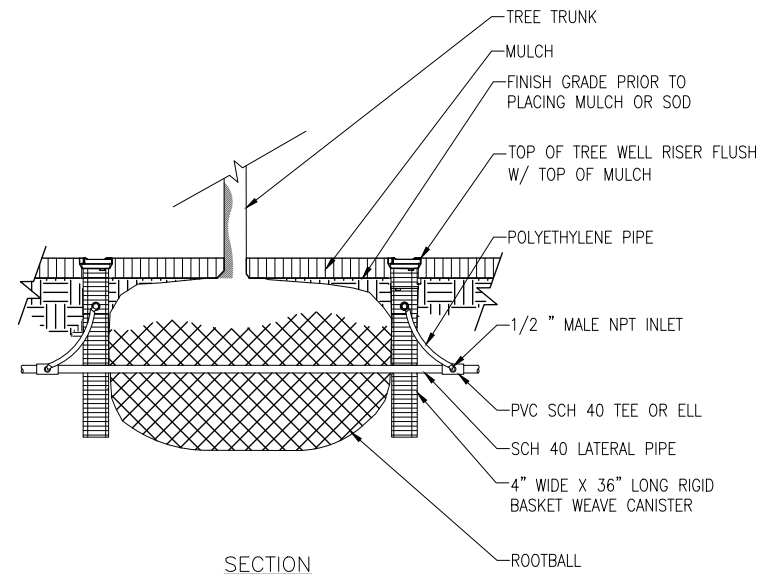
2 MAIN AND OR LATERAL PIPE TRENCH
NOT TO SCALE



3 GATE VALVE
NOT TO SCALE

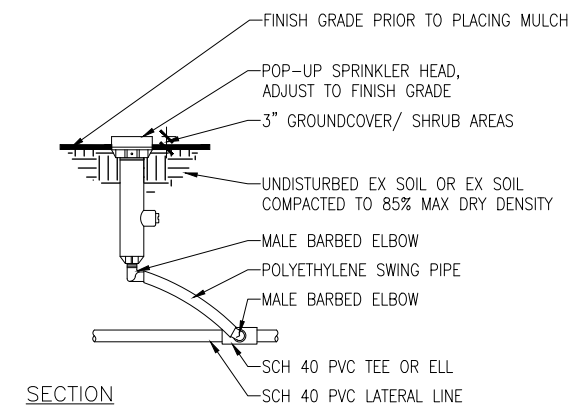


4 PIPE SLEEVE UNDER PAVEMENT
NOT TO SCALE



- NOTES:**
1. INSTALL FOUR (4) TREE WELL RISERS PER TREE.
 2. ABOUT TWO (2) TREE WELL RISERS TO TREE ROOTBALL.
 3. SEE TREE WELL IRRIGATION ENLARGEMENT DETAIL 2/LD3 FOR PLAN VIEW LAYOUT OF ROOT WATERING SYSTEM.

5 ROOT WATERING SYSTEM
NOT TO SCALE

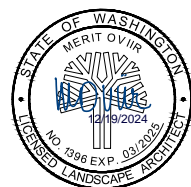


6 POP UP SPRINKLER HEAD WITH POLY SWING JOINT RISER
NOT TO SCALE

DWG. NO. ID1

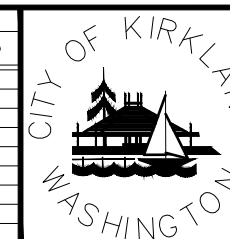
PERTEET
2707 COLBY AVENUE, SUITE 900
EVERETT, WA 98201
425.252.7700 | 800.615.9900

811
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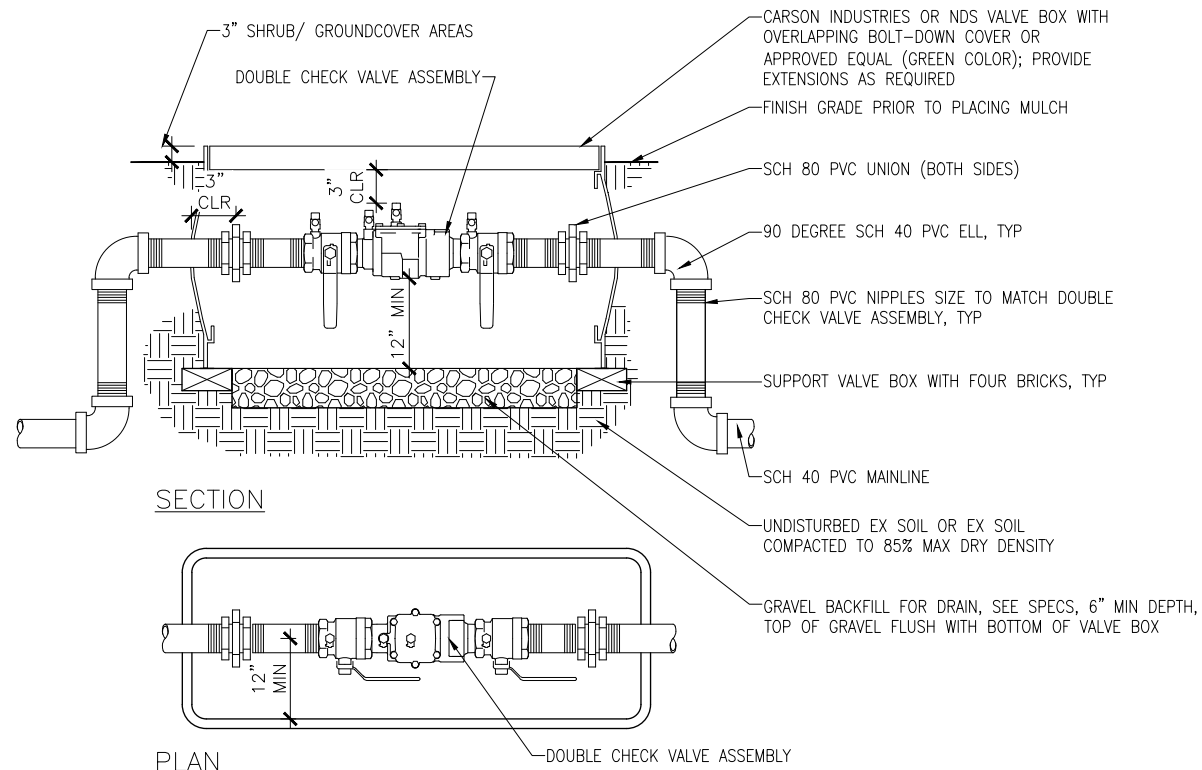
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LANDSCAPE ARCHITECTURE
2101 4TH AVENUE, SUITE 1900
SEATTLE, WA 98121

FILE	ENGR.	REVIEW	SCALE	DATE
ID1	MW	JV	N/A	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE

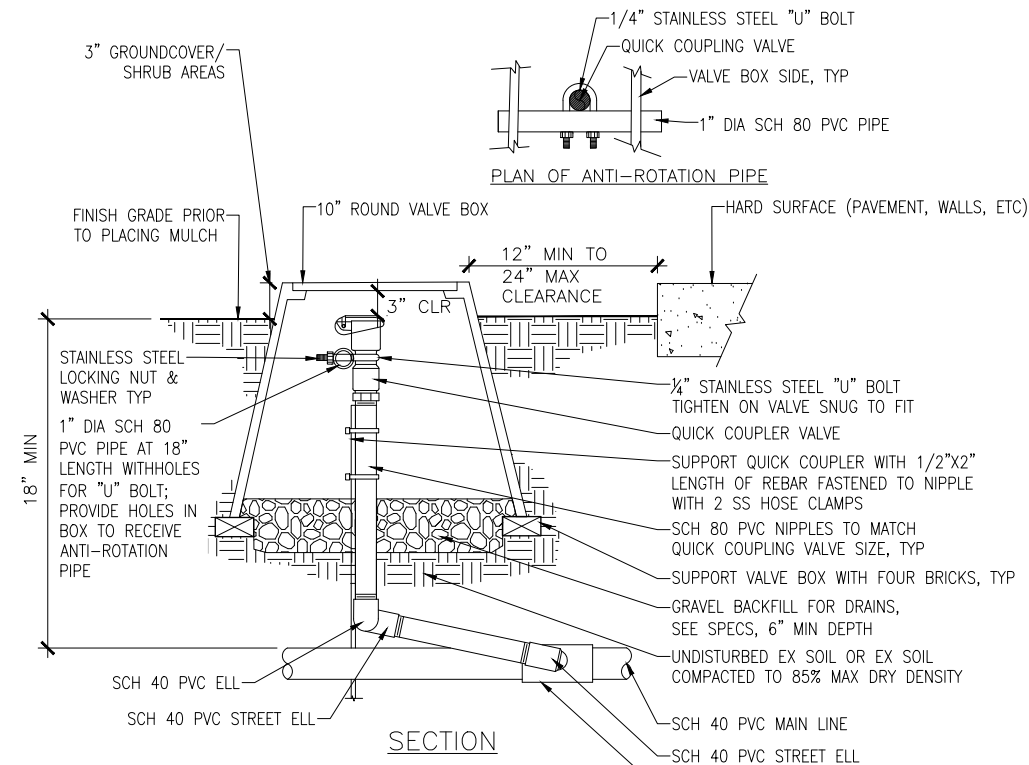


CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
NE 85TH ST PED-BIKE CONNECTION
IRRIGATION DETAILS

SHEET
95
100



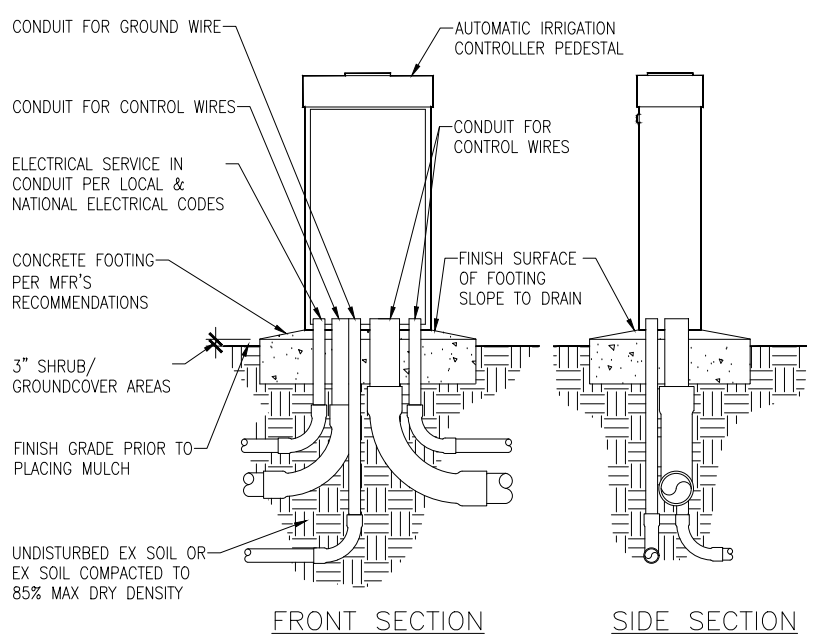
1 DOUBLE CHECK VALVE ASSEMBLY
NOT TO SCALE



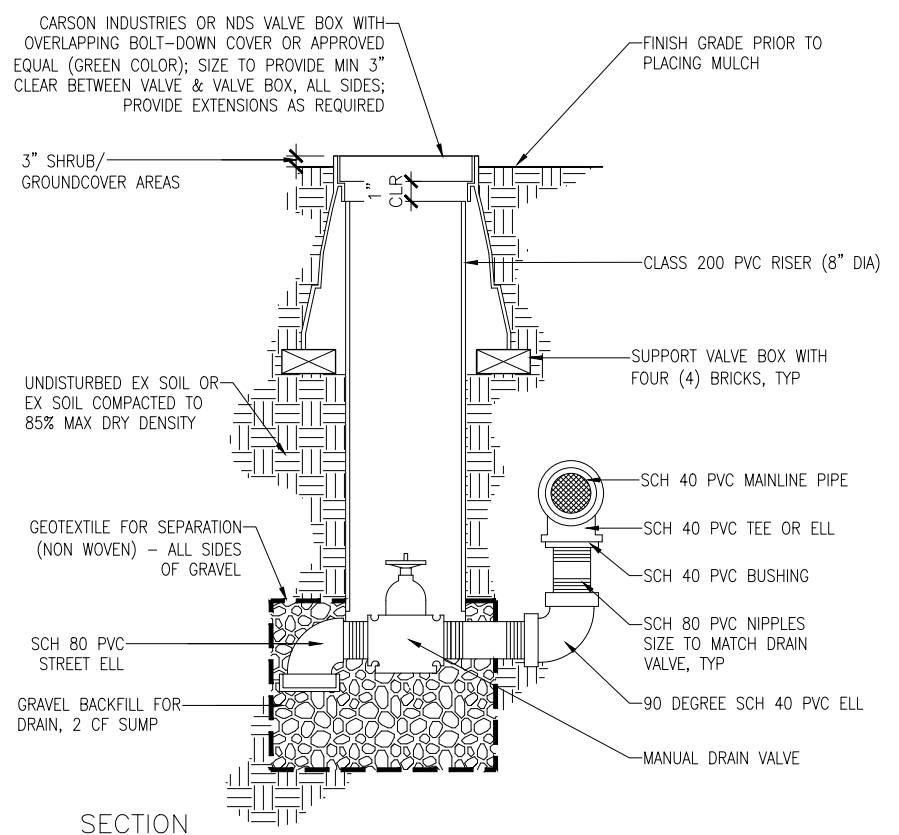
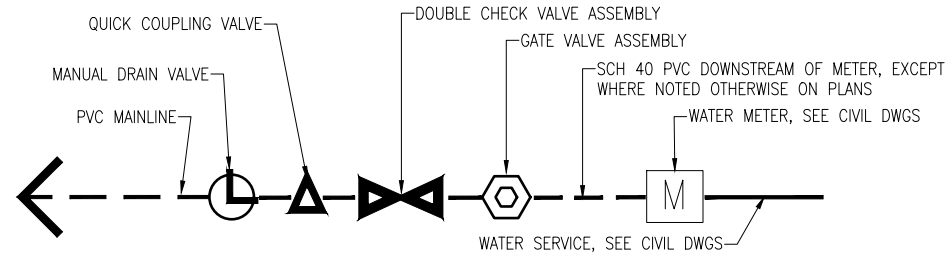
3 QUICK COUPLING VALVE
NOT TO SCALE

NOTES:

1. ALL CONDUITS SHALL EXTEND MIN 6" BEYOND EDGE OF CONCRETE FOOTING AND MIN 18" DEPTH BELOW FINISH GRADE.
2. INSTALLATION TO BE COMPLETED PER MFR'S RECOMMENDATIONS.



4 OUTDOOR AUTOMATIC CONTROLLER PEDESTAL MOUNT
NOT TO SCALE



5 MANUAL DRAIN VALVE
NOT TO SCALE

DWG. NO. ID2

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

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LANDSCAPE ARCHITECTURE
2101 4TH AVENUE, SUITE 1800
SEATTLE, WA 98121
206.682.3051 phone
206.682.3245 fax

STATE OF WASHINGTON
MERIT OVIR
LICENSED LANDSCAPE ARCHITECT
NO. 1396 EXP. 03/2025

FILE	ENGR.	REVIEW	SCALE	DATE
ID1	MW	JV	N/A	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE

CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800

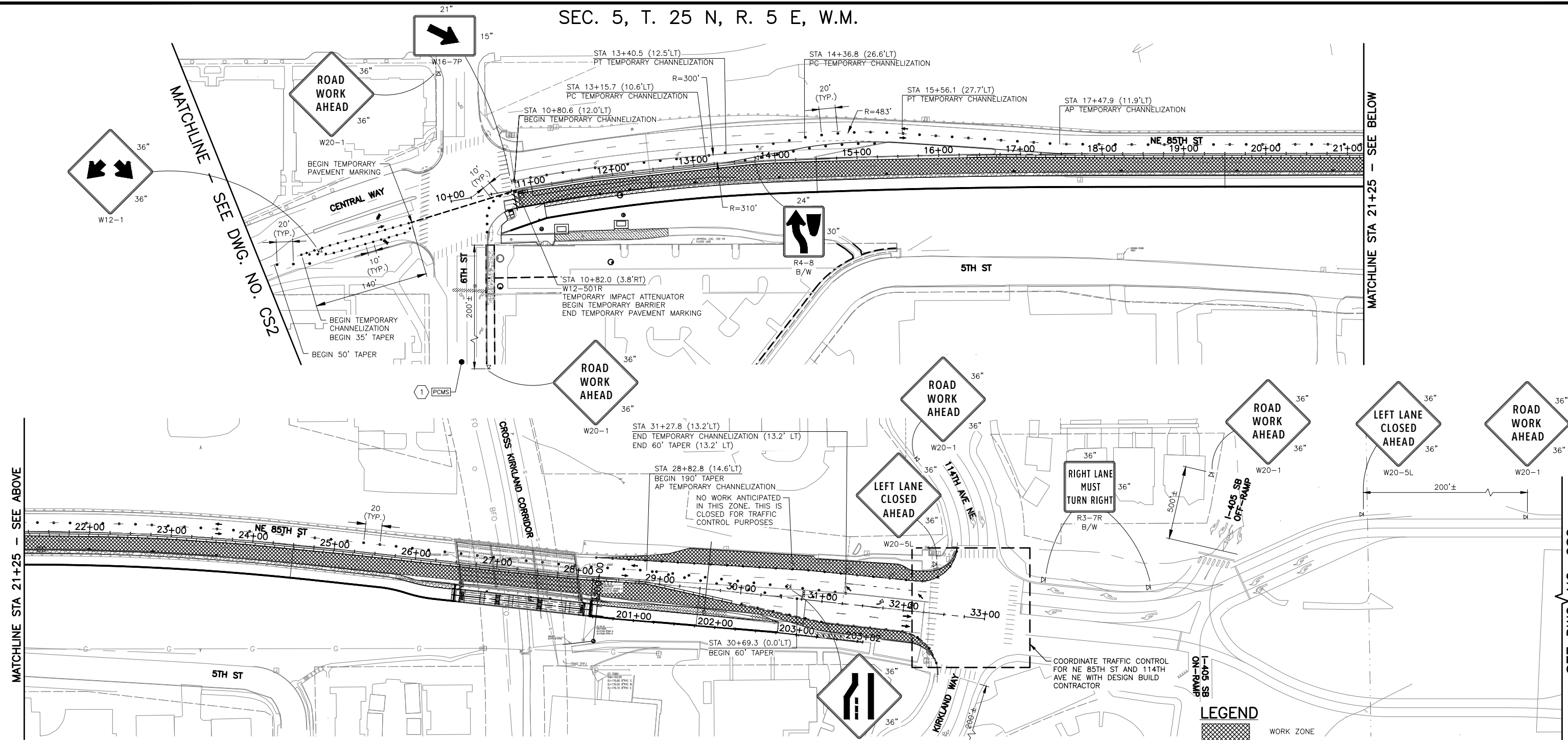
CITY OF KIRKLAND WASHINGTON

NE 85TH ST PED-BIKE CONNECTION

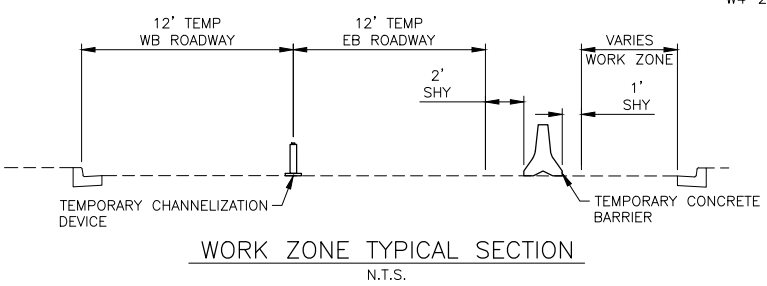
IRRIGATION DETAILS

SHEET 96 / 100

SEC. 5, T. 25 N, R. 5 E, W.M.



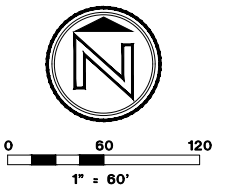
- GENERAL NOTES:**
- POSTED SPEED LIMIT WEST OF 6TH STREET IS 30MPH. THEREFORE ALL TAPER WEST OF 6TH STREET SHALL MEET MUTCD REQUIREMENTS FOR A 30 MPH DESIGN SPEED.
 - ALL SIGNS SHALL BE BLACK ON ORANGE UNLESS OTHERWISE SPECIFIED.
 - CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
 - ANY CONSTRUCTION OR INSTALLATION ACTIVITIES AFFECTING TRANSIT OPERATIONS OR FACILITIES MUST BE COORDINATED THROUGH METRO TRANSIT CONSTRUCTION INFORMATION CENTER. FOR NOTIFICATION INFORMATION AND GUIDELINES, PLEASE VISIT: <https://kingcounty.gov/en/dept/metro/about/contractor-resources/transit-system-impacts>.
 - COORDINATE WITH PRIVATE PROPERTY OWNERS FOR TRAFFIC CONTROL ON PRIVATE STREETS PETER KIRK LN AND URBAN PLZ.
 - PCMS BOARDS TO BE IN PLACE A MINIMUM OF 2 WEEKS BEFORE START OF CONSTRUCTION AND AT LEAST 4 WEEKS AFTER CONSTRUCTION BEGINS.
 - PCMS TO BE FIELD LOCATED. COORDINATE FINAL LOCATION WITH ENGINEER.
 - COORDINATE SIGN LAYOUT WITH ADJACENT WSDOT PROJECT AT 114TH AVE NE.



PCMS NOTES:
2 WEEKS BEFORE CONSTRUCTION:

PCMS		PCMS	
1	2	1	2
85TH ST LANE CLOSURES	STARTING XX/XX/XX	CONST AHEAD	EXPECT DELAYS
2.0 SEC	2.0 SEC	2.0 SEC	2.0 SEC

- LEGEND**
- WORK ZONE
 - CHANNELIZATION DEVICE
 - ALLOWED VEHICLE MOVEMENTS (FOR REFERENCE, NOT TO BE APPLIED TO ROADWAY UNLESS OTHERWISE NOTED)
 - TEMPORARY PRECAST CONCRETE BARRIER
 - LANE GUIDE (FOR REFERENCE, NOT TO BE APPLIED TO ROADWAY)
 - TEMPORARY PAVEMENT MARKING - WHITE TAPE LANE GUIDE SIGN
 - TEMPORARY IMPACT ATTENUATOR
 - PORTABLE CHANGEABLE MESSAGE SIGN
 - SEQUENTIAL ARROW SIGN
 - TYPE 3 BARRICADE



DWG. NO. CS1

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

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ANGENT WING WEN
STATE OF WASHINGTON
54968
REGISTERED
PROFESSIONAL ENGINEER
01/06/2025

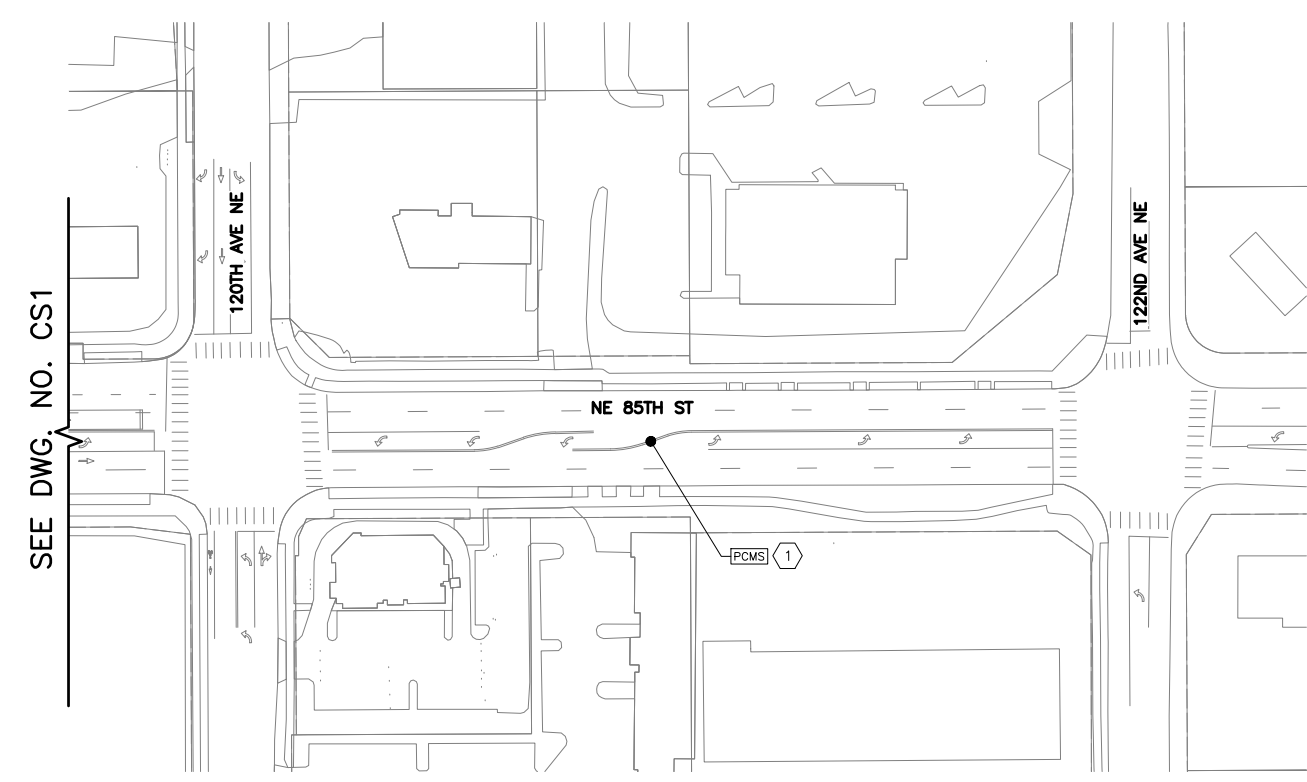
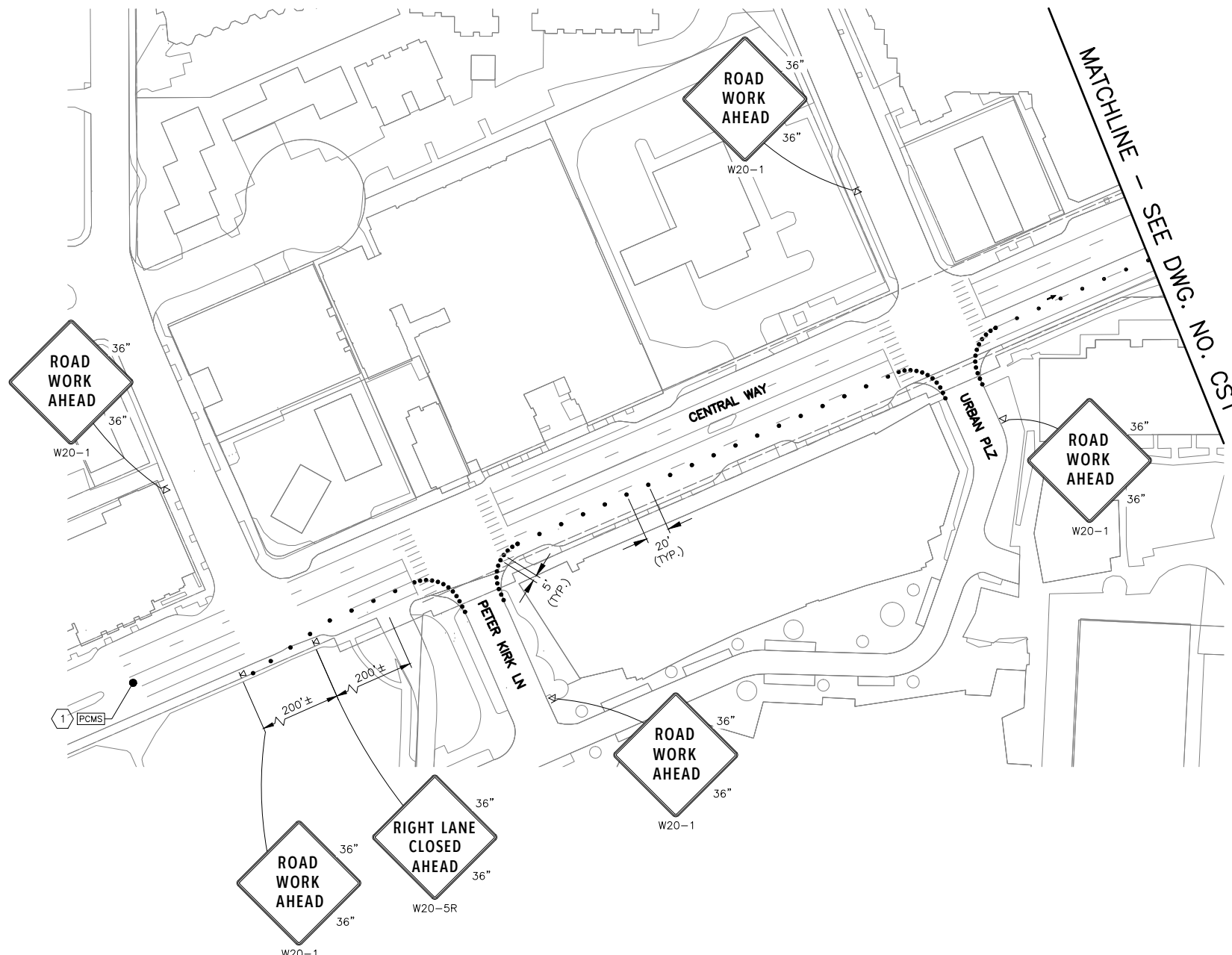
FILE	ENGR.	REVIEW	SCALE	DATE
CS1	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE

CITY OF KIRKLAND
WASHINGTON

CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800
NE 85TH ST PED-BIKE CONNECTION
CONSTRUCTION SEQUENCING PLAN

SHEET
97
100

SEC. 5, T. 25 N, R. 5 E, W.M.



GENERAL NOTES:

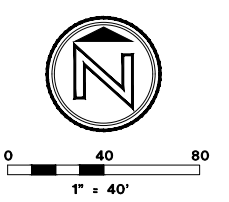
- POSTED SPEED LIMIT WEST OF 6TH STREET IS 30MPH, THEREFORE ALL TAPER WEST OF 6TH STREET SHALL MEET MUTCD REQUIREMENTS FOR A 30 MPH DESIGN SPEED.
- ALL SIGNS SHALL BE BLACK ON ORANGE UNLESS OTHERWISE SPECIFIED.
- CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
- ANY CONSTRUCTION OR INSTALLATION ACTIVITIES AFFECTING TRANSIT OPERATIONS OR FACILITIES MUST BE COORDINATED THROUGH METRO TRANSIT CONSTRUCTION INFORMATION CENTER. FOR NOTIFICATION INFORMATION AND GUIDELINES, PLEASE VISIT: <https://kingcounty.gov/en/dept/metro/about/contractor-resources/transit-system-impacts>.
- COORDINATE WITH PRIVATE PROPERTY OWNERS FOR TRAFFIC CONTROL ON PRIVATE STREETS PETER KIRK LN AND URBAN PLZ.
- PCMS BOARDS TO BE IN PLACE A MINIMUM OF 2 WEEKS BEFORE START OF CONSTRUCTION AND AT LEAST 4 WEEKS AFTER CONSTRUCTION BEGINS.
- PCMS TO BE FIELD LOCATED. COORDINATE FINAL LOCATION WITH ENGINEER.
- COORDINATE SIGN LAYOUT WITH ADJACENT WSDOT PROJECT AT 114TH AVE NE.

PCMS NOTES:

2 WEEKS BEFORE CONSTRUCTION:		DURING CONSTRUCTION:	
PCMS		PCMS	
1	2	1	2
85TH ST LANE CLOSURES	STARTING XX/XX/XX	CONST AHEAD	EXPECT DELAYS
2.0 SEC	2.0 SEC	2.0 SEC	2.0 SEC

LEGEND

- WORK ZONE
- CHANNELIZATION DEVICE
- ALLOWED VEHICLE MOVEMENTS (FOR REFERENCE, NOT TO BE APPLIED TO ROADWAY UNLESS OTHERWISE NOTED)
- TEMPORARY PRECAST CONCRETE BARRIER
- LANE GUIDE (FOR REFERENCE, NOT TO BE APPLIED TO ROADWAY)
- TEMPORARY PAVEMENT MARKING - WHITE TAPE LANE GUIDE SIGN
- TEMPORARY IMPACT ATTENUATOR
- PORTABLE CHANGEABLE MESSAGE SIGN
- SEQUENTIAL ARROW SIGN
- TYPE 3 BARRICADE



DWG. NO. CS2



FILE	ENGR.	REVIEW	SCALE	DATE
CS2	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
 PUBLIC WORKS DEPARTMENT
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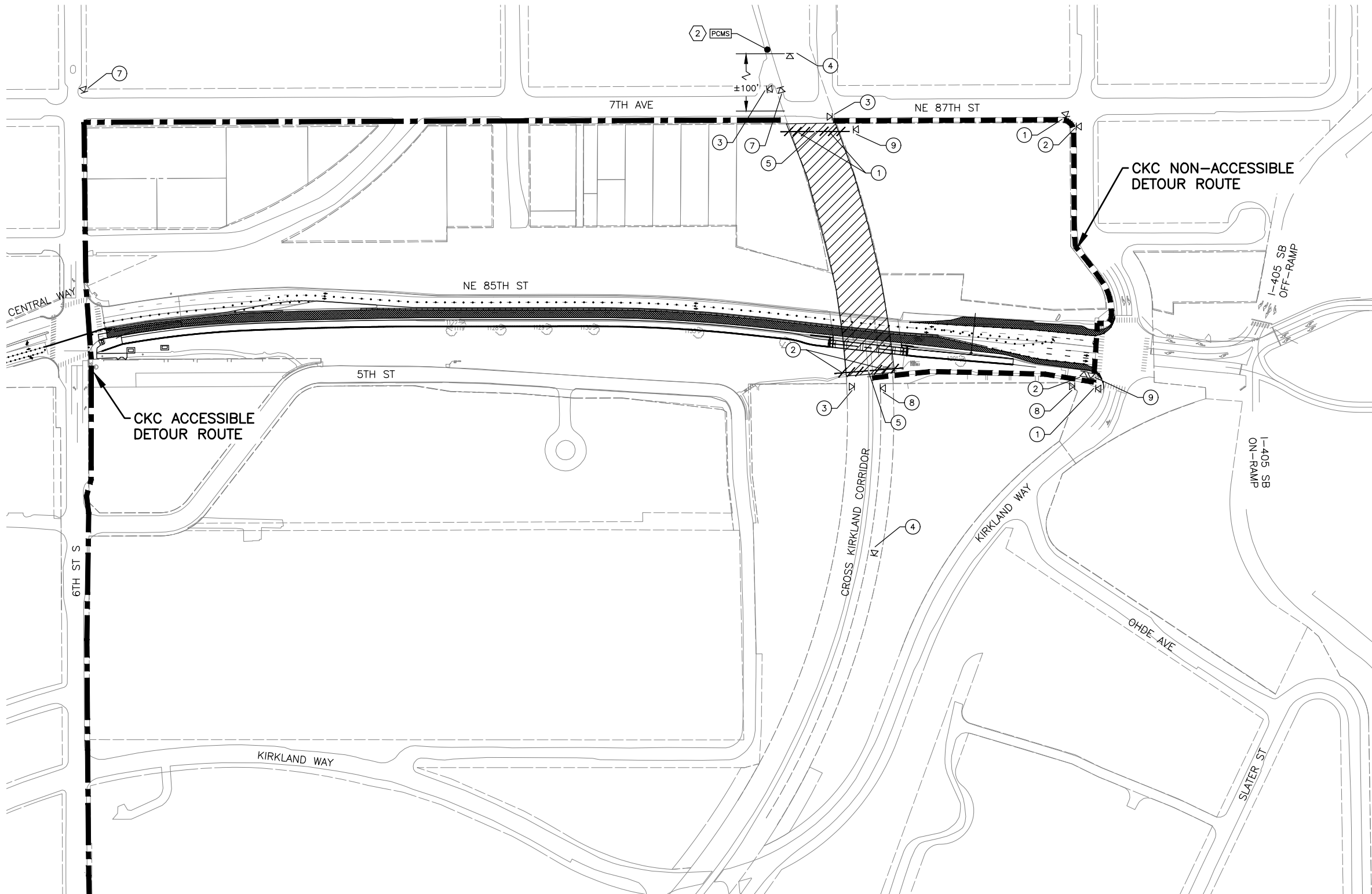
NE 85TH ST PED-BIKE CONNECTION

CONSTRUCTION SEQUENCING PLAN

SHEET

98 / 100

SEC. 5, T. 25 N, R. 5 E, W.M.



MATCHLINE - SEE DWG. NO. PD2

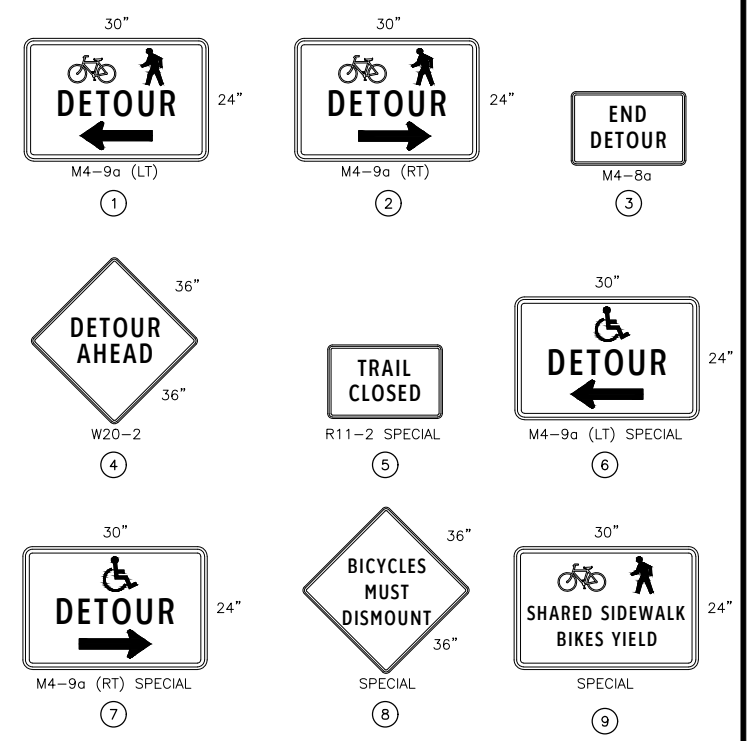
2 PCMS NOTES:

2 WEEKS BEFORE CONSTRUCTION:

PCMS	
1	2
TRAIL CLOSURE	STARTING XX/XX/XX
2.0 SEC	2.0 SEC

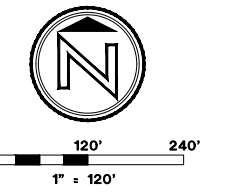
DURING CONSTRUCTION:

PCMS	
1	2
TRAIL CLOSED AHEAD	FOLLOW DETOUR
2.0 SEC	2.0 SEC



- LEGEND**
- CKC CLOSURE
 - TEMPORARY SIGN LOCATION
 - TYPE 3 BARRICADE
 - CKC NON-ACCESSIBLE DETOUR ROUTE
 - CKC ACCESSIBLE DETOUR ROUTE

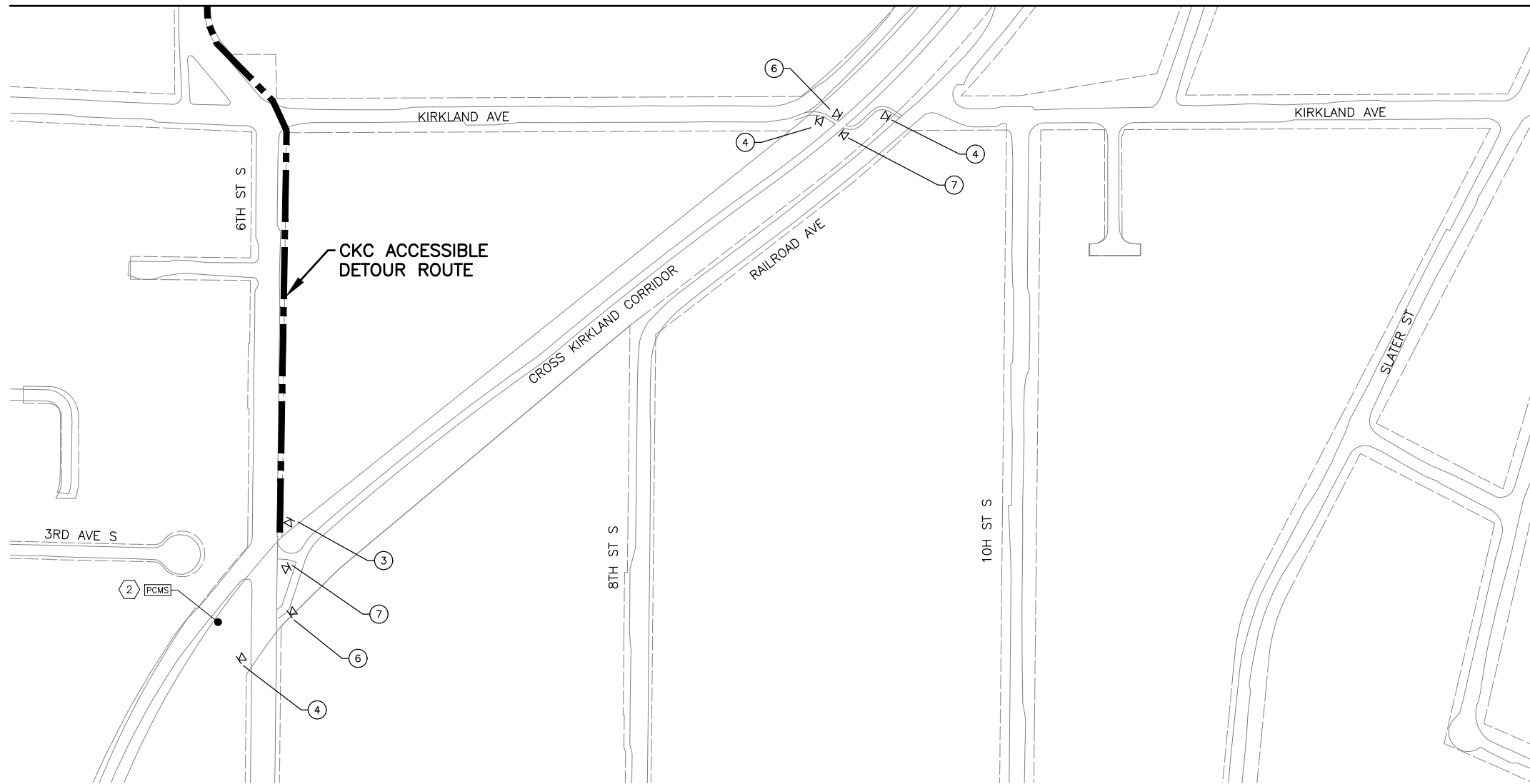
- NOTES:**
- ALL SIGNS SHALL BE BLACK ON ORANGE UNLESS OTHERWISE NOTE.
 - ADVANCE NOTIFICATION ON CROSS KIRKLAND CORRIDOR (CKC) ROAD CLOSURE SHALL BE POSTED A MINIMUM OF 14 CALENDAR DAYS PRIOR TO CLOSURE.
 - PCMS BOARDS TO BE IN PLACE A MINIMUM OF 2 WEEKS BEFORE START OF CONSTRUCTION AND AT LEAST 4 WEEKS AFTER CONSTRUCTION BEGINS.
 - PCMS TO BE FIELD LOCATED. COORDINATE FINAL LOCATION WITH ENGINEER.



DWG. NO. PD1

<p>PERTEET 2707 COLBY AVENUE, SUITE 900 EVERETT, WA 98201 425.252.7700 800.615.9900</p>	<p>811 Know what's below. Call before you dig.</p>	<p>VINCENT WING STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER 54968 01/06/2025</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>FILE</th> <th>ENGR.</th> <th>REVIEW</th> <th>SCALE</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>PD1</td> <td>##</td> <td>##</td> <td>AS SHOWN</td> <td>JANUARY 2025</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <th>NO.</th> <th>REVISION</th> <th>BY</th> <th>REVIEW</th> <th>DATE</th> </tr> </tbody> </table>	FILE	ENGR.	REVIEW	SCALE	DATE	PD1	##	##	AS SHOWN	JANUARY 2025																					NO.	REVISION	BY	REVIEW	DATE		<p>CITY OF KIRKLAND PUBLIC WORKS DEPARTMENT 123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800</p> <p>NE 85TH ST PED-BIKE CONNECTION</p> <p>CONSTRUCTION PEDESTRIAN DETOUR PLAN</p>	<p>SHEET</p> <p>99</p> <p>100</p>
			FILE	ENGR.	REVIEW	SCALE	DATE																																		
PD1	##	##	AS SHOWN	JANUARY 2025																																					
NO.	REVISION	BY	REVIEW	DATE																																					
Jan 06, 2025 - 4:26pm nancy.eaton X:\kirkland_city_of\Projects\20210013 - ne 85th st ped-bike\CADD\02 - plan sheets\20210013 PD.dwg Layout Name: PD1																																									

MATCHLINE - SEE DWG. NO. PD1



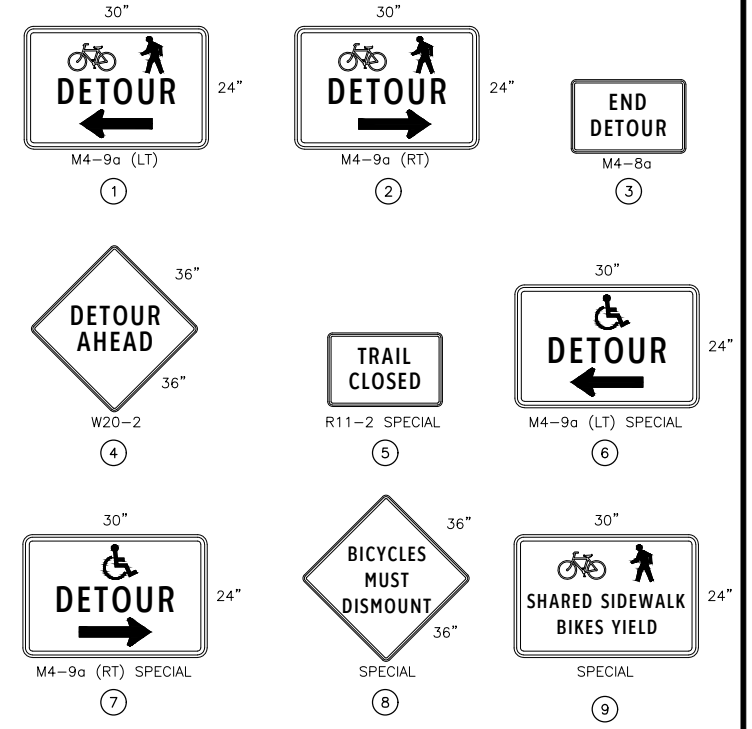
2 PCMS NOTES:

2 WEEKS BEFORE CONSTRUCTION:

PCMS	
1	2
TRAIL CLOSURE	STARTING XX/XX/XX
2.0 SEC	2.0 SEC

DURING CONSTRUCTION:

PCMS	
1	2
TRAIL CLOSED AHEAD	FOLLOW DETOUR
2.0 SEC	2.0 SEC

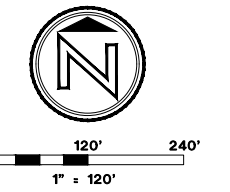


LEGEND

- CKC CLOSURE
- TEMPORARY SIGN LOCATION
- TYPE 3 BARRICADE
- CKC NON-ACCESSIBLE DETOUR ROUTE
- CKC ACCESSIBLE DETOUR ROUTE

NOTES:

1. ALL SIGNS SHALL BE BLACK ON ORANGE UNLESS OTHERWISE NOTE.
2. ADVANCE NOTIFICATION ON CROSS KIRKLAND CORRIDOR (CKC) ROAD CLOSURE SHALL BE POSTED A MINIMUM OF 14 CALENDAR DAYS PRIOR TO CLOSURE.
3. PCMS BOARDS TO BE IN PLACE A MINIMUM OF 2 WEEKS BEFORE START OF CONSTRUCTION AND AT LEAST 4 WEEKS AFTER CONSTRUCTION BEGINS.
4. PCMS TO BE FIELD LOCATED. COORDINATE FINAL LOCATION WITH ENGINEER.

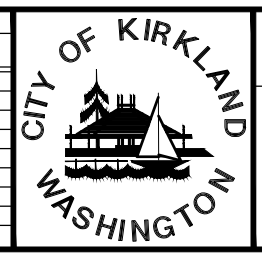


DWG. NO. PD2

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

811
Know what's below.
Call before you dig.

FILE	ENGR.	REVIEW	SCALE	DATE
##	##	##	AS SHOWN	JANUARY 2025
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (425)587-3800

NE 85TH ST PED-BIKE CONNECTION

CONSTRUCTION
PEDESTRIAN DETOUR PLAN

SHEET

100 / 100