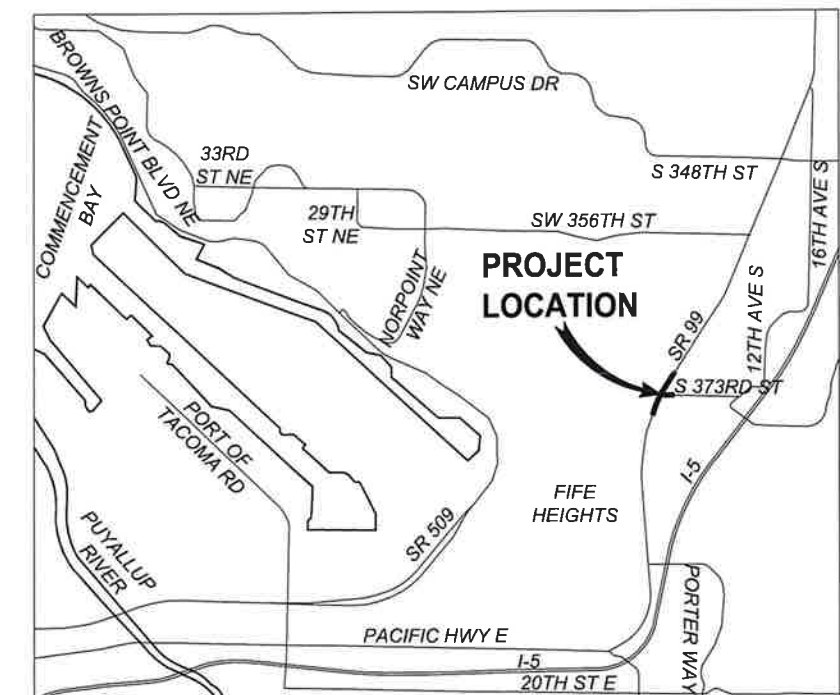


City of Federal Way
Public Works Department
**SR99 AT S 373RD ST ROUNDABOUT
& ACCESS MANAGEMENT**
CFW PROJECT #36224
TIB # 8-1-113(014)-1

SHEET INDEX		
SHEET NUMBER	DESCRIPTION	LOCATION
01	COVER SHEET	-
02	LEGEND & NOTES	-
03	ALIGNMENT CONTROL	-
04 - 07	ROADWAY SECTIONS	-
08	DEMO & TESC PLAN	STA 20+00 - STA 29+00
09	DEMO & TESC PLAN	STA 29+00 - STA 34+00
10	DEMO & TESC PLAN	STA 34+00 - STA 44+00
11	DEMO & TESC PLAN	STA 102+00 - STA 106+00
12	DEMO & TESC PLAN	-
13	ROADWAY PLAN AND PROFILE	STA 20+00 - STA 24+00
14	ROADWAY PLAN AND PROFILE	STA 24+00 - STA 28+00
15	ROADWAY PLAN AND PROFILE	STA 28+00 - STA 32+00
16	ROADWAY PLAN AND PROFILE	STA 32+00 - STA 36+00
17	ROADWAY PLAN AND PROFILE	STA 36+00 - STA 40+00
18	ROADWAY PLAN AND PROFILE	STA 40+00 - STA 44+00
19	ROADWAY PLAN AND PROFILE	STA 101+00 - STA 105+00
20 - 22	CURB ALIGNMENT	-
23 - 26	ROUNDABOUT CURB PROFILES	-
27	DRIVEWAY SECTIONS	-
28	ROADWAY DETAILS	-
29	STORMWATER SITE PLAN AND PROFILE	STA 24+00 - STA 28+00
30	STORMWATER SITE PLAN AND PROFILE	STA 28+00 - STA 32+00
31	STORMWATER SITE PLAN AND PROFILE	STA 32+00 - STA 36+00
32	STORMWATER SITE PLAN AND PROFILE	STA 101+00 - STA 105+00
33	STORMWATER SITE PLAN AND PROFILE	-
34	MAINTENANCE ROAD PLAN & PROFILE	STA 300+00 - STA 304+00
35	MAINTENANCE ROAD PLAN & PROFILE	STA 304+00 - STA 306+25
36 - 43	STORMWATER DETAILS	-
44 - 45	LANDSCAPE PLAN	-
46	PLANTING SCHEDULE & NOTES	-
47	LANDSCAPE DETAILS	-
48	PAVEMENT MARKING PLAN	STA 20+00 - STA 29+00
49	PAVEMENT MARKING PLAN	STA 29+00 - STA 34+00
50	PAVEMENT MARKING PLAN	STA 34+00 - STA 44+00
51	PAVEMENT MARKING PLAN	STA 102+00 - STA 106+00
52	PAVEMENT MARKING DETAILS	-
53	SIGNING PLAN	STA 20+00 - STA 29+00
54	SIGNING PLAN	STA 29+00 - STA 34+00
55	SIGNING PLAN	STA 34+00 - STA 44+00
56	SIGNING PLAN	STA 102+00 - STA 109+00
57 - 58	SIGN SCHEDULE	-
59	SIGNING DETAILS	-
60	RRFB PLAN	-
61 - 62	ILLUMINATION PLAN	-
63 - 67	WETLAND MITIGATION PLANS	-
68	TRAFFIC CONTROL PLAN NOTES & LEGEND	-
69	SPEED REDUCTION PLAN	-
70 - 79	TRAFFIC CONTROL PLAN	-
80	DETOUR PLAN	-
81-86	SECTION VIEW - SR99	STA 28+00 - STA 34+50
87 - 88	SECTION VIEW - S 373RD ST	STA 100+25 - STA 103+25
89 - 93	SECTION VIEW - MAINTENANCE ROAD	STA 300+25 - STA 306+25

LAKEHAVEN WATER AND SEWER DISTRICT - WATER MAIN REPLACEMENT		
SHEET NUMBER	DESCRIPTION	LOCATION
B1	SURVEY CONTROL, ALIGNMENT PLAN & SHEET INDEX	-
B2	LEGEND & ABBREVIATIONS	-
B3 - B4	GENERAL NOTES AND SITE PREPARATION DETAILS	-
B5 - B7	SITE PREPARATION, REMOVALS, & TESC PLAN	-
B8	WATER MAIN PLAN & PROFILE	STA 24+00 - STA 28+00
B9	WATER MAIN PLAN & PROFILE	STA 28+00 - STA 32+00
B10	WATER MAIN PLAN & PROFILE	STA 31+50 - STA 33+00
B11	WATER MAIN PLAN & PROFILE	STA 200+00 - STA 204+00
B12	WATER MAIN PLAN & PROFILE	STA 101+00 - STA 105+00
B13 - B14	WATER MAIN CONNECTION DETAILS	-
B15	SEQUENCING & TEMPORARY SERVICE NOTES	-
B16 - B18	GENERAL CONSTRUCTION SEQUENCING & TEMPORARY SERVICE PLAN	-
B20	RESTORATION PLANS	STA 24+00 - STA 32+00
B21	RESTORATION PLANS	STA 32+00 - STA 36+00
B22	RESTORATION PLANS	STA 201+00 - STA 204+00
B23	POTHOLE PLANS	-
B24 - B28	LAKEHAVEN STANDARD DETAILS	-



NTS



NOTE:
ELEVATIONS SHOWN ON PLANS ARE BASED ON NAVD-88 VERTICAL DATUM. CITY STANDARD VERTICAL DATUM IS NGVD-29. TO CONVERT BETWEEN VERTICAL DATUMS SUBTRACT 3.56 FEET FROM THE NAVD-88 ELEVATION.

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

RFB 26-012



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

COVER SHEET

APPROVED FOR CONSTRUCTION

Desiree S. Winkler

DESIREE S. WINKLER P.E.
DEPUTY PUBLIC WORKS DIRECTOR

9/18/26

DATE

BID SUBMITTAL

CITY PROJECT #:

36224

SHT. 01

OF 93

\\srv-dfs-wa\Projects\221\22060.00 - Federal Way SR 99 at S 373rd St RAB(E\Engineering)\CAD\Plan Sheets\220601.LEGEND.dwg, 8/10/2026

SURVEY LEGEND

MONUMENT IN CASE

SURFACE MONUMENT

MAG NAIL/SPIKE

REBAR & CAP

SPOT SHOT (DESCRIBED)

CATCH BASIN

STORM DRAIN MANHOLE

YARD DRAIN

CULVERT

SEWER MANHOLE

POWER POLE

POWER POLE W/UNDERGROUND CONNECT

POWER POLE WITH LUMINAIRE

POWER POLE WITH LUMINAIRE AND UNDERGROUND CONNECT

POWER METER

GUY ANCHOR

JUNCTION BOX

UTILITY VAULT

STREET LIGHT (LUMINAIRE)

LOT LIGHT

YARD LIGHT

TELEPHONE RISER

FIBER OPTIC MANHOLE

WATER VALVE

WATER METER

WATER VAULT LID

FIRE HYDRANT

UTILITY RISER (GENERIC/UNKNOWN)

STAND-PIPE (GENERIC/UNKNOWN)

BORE SITE (WITH FIELD DESCRIPTION)

GUARD POST (BOLLARD)

BOULDER

SIGN

MAILBOX (# OF BOXES)

EXISTING

SURVEY LEGEND (CONT.)

SHRUB

STUMP, DIAMETER

PLANTED AREA

DECIDUOUS TREE, DIAMETER (# OF TRUNKS)

CONIFEROUS TREE, DIAMETER (# OF TRUNKS)

WETLAND FLAG

PAINTED POWER

PAINTED TELEPHONE

PAINTED FIBER OPTIC

PAINTED WATER

RECORD WATER

OVERHEAD UTILITY LINE (GENERIC)

STORM

SEWER

FENCE

HEDGE (HEIGHT NOTED)

BUILDING

PAINTED STRIPE

PAINTED SKIP STRIPE

EDGE OF PAVEMENT

FLOWLINE

CONTOUR

RIGHT-OF-WAY CENTERLINE

RIGHT-OF-WAY

PROPERTY LINE

CONCRETE

GRAVEL

GRASS

ROCKERY

ASPHALT/CONCRETE

CHAINLINK

EXISTING

GENERAL NOTES

1. VERTICAL DATUM SHALL BE NAVD 88.
2. A COPY OF THE APPROVED PLANS SHALL BE ON SITE DURING CONSTRUCTION.

SURVEY NOTES

1. THE PURPOSE OF THIS TOPOGRAPHIC SURVEY IS FOR CIVIL ENGINEERING DESIGN. THIS IS NOT A BOUNDARY SURVEY. SOURCES OF BOUNDARY INFORMATION AS SHOWN INCLUDE FIELD-TIED MONUMENTATION, PLATS, COUNTY RECORDS OF SURVEY, AND AUDITOR INDEXING INFORMATION.
2. THE LOCATIONS OF EXISTING UNDERGROUND UTILITY SYSTEMS, AS SHOWN HEREON, ARE TAKEN FROM UTILITY LOCATE PAINT MARKS OR AS-BUILT PLANS AND ARE SHOWN IN AN APPROXIMATE WAY ONLY.
3. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. ALL LOCATOR SERVICES SHOULD BE CONTACTED PRIOR TO ANY CONSTRUCTION OR SUBSURFACE EXPLORATION. CALL 1-800-424-5555.
4. FIELD SURVEY: KPG PSOMAS, SEPTEMBER, 2022 & MARCH, 2024. LICENSEE MICHAEL R. BOWEN, P.L.S. NO. 29294/RONALD D. REICHEL, P.L.S. NO. 38015.
5. CONTOUR INTERVAL = 1 FOOT, ±0.5 FOOT PER NATIONAL MAPPING STANDARDS. CONTOURS DERIVED FROM DIRECT FIELD OBSERVATIONS.
6. STORM AND SEWER CONNECTIONS HAVE BEEN DRAWN FROM CENTER OF LID TO CENTER OF LID.
7. THE LOCATIONS AND DIMENSIONS OF UNDERGROUND VAULTS HAVE NOT BEEN VERIFIED AND ARE APPROXIMATE.
8. DUCTS ARE NOTED AS INDICATED IN THE FIELD BY UTILITY LOCATORS. MULTIPLE LINES AND/OR UTILITIES MAY SHARE DUCT RUNS; THIS MAY NOT BE SHOWN IN THE DRAWING.

ABBREVIATIONS

ABND	ABANDONED	N	NORTHING/NORTH
AC	ASPHALT	NO	NUMBER
AC	ASBESTOS CEMENT WATER PIPE	NTS	NOT TO SCALE
ACP	ASPHALT CONCRETE PAVEMENT	OC	ON CENTER
ADA	AMERICANS WITH DISABILITIES ACT	OD	OUTSIDE DIAMETER
AP	ANGLE POINT	OH	OVERHEAD UTILITIES
AVE	AVENUE	OWS	OIL WATER SEPARATOR
BLDG	BUILDING	PC	POINT OF CURVATURE
BMP	BEST MANAGEMENT PRACTICE	PCC	POINT OF CURVE ON CURVE
BOW	BACK OF WALK	PE	POLYETHYLENE
CB	CATCH BASIN	PG	PERFORMANCE GRADE
CDF	CONTROLLED DENSITY FILL	PI	POINT OF INTERSECTION
CFW	CITY OF FEDERAL WAY	PIV	POST INDICATOR VALVE
CI	CAST IRON	POB	POINT OF BEGINNING
CL	CENTERLINE	POC	POINT OF CONNECTION
CL	CLASS	POE	POINT OF ENDING
CO	CLEANOUT	PRC	POINT OF REVERSE CURVATURE
CONC	CONCRETE	PT	POINT OF TANGENCY
CONT	CONTAINER	PVC	POLYVINYL CHLORIDE
CSBC	CRUSHED SURFACING BASE COURSE	PVI	POINT OF VERTICAL INTERSECTION
DCVA	DOUBLE CHECK VALVE ASSEMBLY	R	RADIUS
DI	DUCTILE IRON	RJ	RESTRAINED JOINT
DIA #	DIAMETER	RT	RIGHT
E	EASTING/EAST	S	SLOPE/SOUTH
EL	ELEVATION	SD	STORM DRAIN
ELEV	ELEVATION	SDP	STORM DRAIN PIPE
EOP	EDGE OF PAVEMENT	SEW	SEWER
EX	EXISTING	SHT	SHEET
EXIST	EXISTING	SSMH	SANITARY SEWER MANHOLE
FDC	FIRE DEPARTMENT CONNECTION	ST	STREET
FL	FLANGE	STA	STATION
FL	FLOWLINE	STD	STANDARD
HORIZ	HORIZONTAL	T	TANGENT LENGTH
HMA	HOT MIX ASPHALT	T1	TYPE 1 CATCH BASIN
ICV	IRRIGATION CONTROL VALVE	T2	TYPE 2 CATCH BASIN
ID	INSIDE DIAMETER	TOC	TOP OF CURB
IE	INVERT ELEVATION	TOG	TOP OF GRATE
L	LENGTH OF CURVE	TYP	TYPICAL
LT	LEFT	VC	VERTICAL CURVE
LF	LINEAR FEET	VERT	VERTICAL
LP	LOW POINT	VLT	VAULT
MAX	MAXIMUM	W	WEST / WITH
MIN	MINIMUM	WAT	WATER
MH	MANHOLE	WSDOT	WASHINGTON STATE DEPARTMENT OF
MIC	MONUMENT IN CASE		TRANSPORTATION
MJ	MECHANICAL JOINT	WS	WATER SURFACE
MW	MONITORING WELL		



12131 113TH AVENUE NE, SUITE 203 (TEL) 425 821-3665
KIRKLAND, WASHINGTON 98034 (FAX) 425 825-8434



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

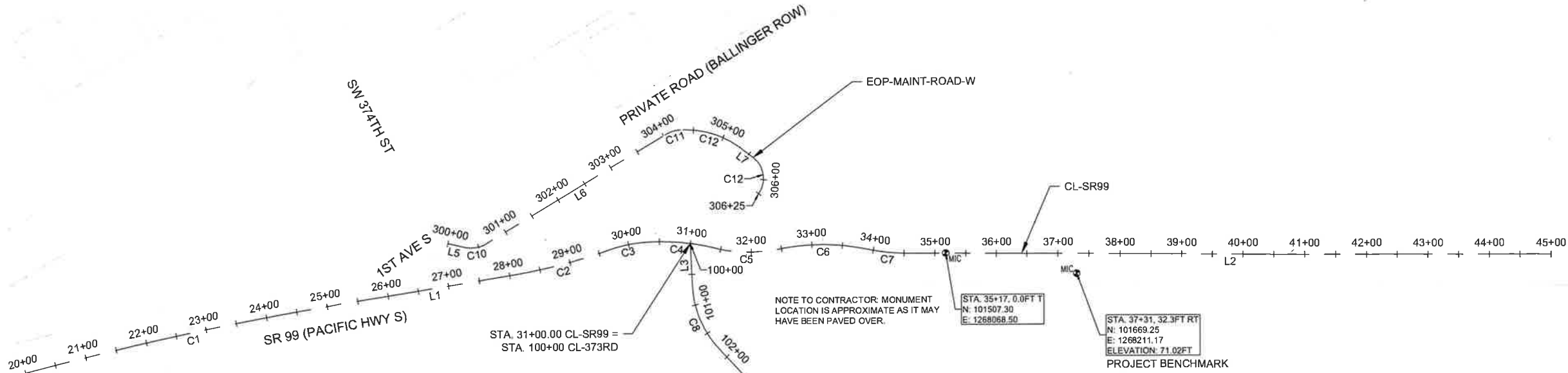
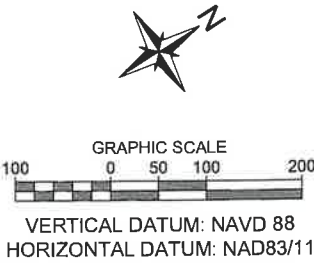
LEGEND & NOTES

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 02
OF 93

SEC. 32, T. 21 N., R. 04 E., W.M.



CL-SR99							
NUMBER	RADIUS (FT)	LENGTH (FT)	LINE/CHORD DIRECTION	BEGIN STATION	BEGIN N/E	END STATION	END N/E
C1	5730.00	551.54	N20° 26' 53.67"E	20+00.00	N: 100146.98, E: 1267427.48	25+51.54	N: 100663.57, E: 1267620.10
L1		247.89	N23° 12' 20.72"E	25+51.54	N: 100663.57, E: 1267620.10	27+99.43	N: 100891.40, E: 1267717.77
C2	1000.00	173.31	N18° 14' 26.47"E	27+99.43	N: 100891.40, E: 1267717.77	29+72.75	N: 101055.80, E: 1267771.96
C3	200.00	47.82	N20° 07' 30.08"E	29+72.75	N: 101055.80, E: 1267771.96	30+20.57	N: 101100.59, E: 1267788.37
C4	350.00	116.88	N36° 32' 28.00"E	30+20.57	N: 101100.59, E: 1267788.37	31+37.45	N: 101194.06, E: 1267857.64
C5	250.00	109.87	N33° 31' 03.15"E	31+37.45	N: 101194.06, E: 1267857.64	32+47.32	N: 101284.93, E: 1267917.82
C6	350.00	141.92	N32° 32' 36.12"E	32+47.32	N: 101284.93, E: 1267917.82	33+89.23	N: 101403.74, E: 1267993.64
C7	350.00	69.57	N38° 27' 54.38"E	33+89.23	N: 101403.74, E: 1267993.64	34+58.80	N: 101458.12, E: 1268036.84
L2		1041.20	N32° 46' 14.76"E	34+58.80	N: 101458.12, E: 1268036.84	45+00.00	N: 102333.61, E: 1268600.42

CL-373RD							
NUMBER	RADIUS (FT)	LENGTH (FT)	LINE/CHORD DIRECTION	BEGIN STATION	BEGIN N/E	END STATION	END N/E
L3		69.35	S60° 25' 03.53"E	100+00.00	N: 101166.69, E: 1267832.08	100+69.35	N: 101132.46, E: 1267892.39
C8	160.00	118.83	S81° 41' 37.08"E	100+69.35	N: 101132.46, E: 1267892.39	101+88.18	N: 101115.68, E: 1268007.29
C9	600.00	150.87	N84° 14' 02.10"E	101+88.18	N: 101115.68, E: 1268007.29	103+39.05	N: 101130.80, E: 1268157.00
L4		660.95	S88° 33' 45.18"E	103+39.05	N: 101130.80, E: 1268157.00	110+00.00	N: 101114.22, E: 1268817.74

EOP-MAINT-ROAD-W							
NUMBER	RADIUS (FT)	LENGTH (FT)	LINE/CHORD DIRECTION	BEGIN STATION	BEGIN N/E	END STATION	END N/E
L5		26.08	N45° 52' 15.02"E	300+00.00	N: 100836.01, E: 1267620.01	300+26.08	N: 100854.17, E: 1267638.73
C10	50.00	38.80	N23° 38' 17.49"E	300+26.08	N: 100854.17, E: 1267638.73	300+64.89	N: 100888.83, E: 1267653.90
L6		342.11	N1° 24' 19.96"E	300+64.89	N: 100888.83, E: 1267653.90	304+07.00	N: 101230.84, E: 1267662.29
C11	40.00	18.21	N14° 26' 59.98"E	304+07.00	N: 101230.84, E: 1267662.29	304+25.21	N: 101248.33, E: 1267666.80
C12	147.50	107.03	N48° 16' 53.44"E	304+25.21	N: 101248.33, E: 1267666.80	305+32.24	N: 101318.00, E: 1267744.94
L7		26.35	N69° 04' 06.88"E	305+32.24	N: 101318.00, E: 1267744.94	305+58.59	N: 101327.41, E: 1267769.55
C12	42.00	65.97	S65° 55' 53.12"E	305+58.59	N: 101327.41, E: 1267769.55	306+24.56	N: 101303.19, E: 1267823.79

transpogroup

WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034

(TEL) 425 821-3665
(FAX) 425 825-8434



CITY OF

Federal Way

Centered on Opportunity

33325 8TH AVE S FEDERAL WAY, WA 98003

PHONE: (253) 835-2700

WWW.FEDERALWAYWA.GOV



Know what's below.
Call before you dig.

DRAFTED: JRK

DESIGNED: BMK

REVIEWED: KBC

APPROVED:



9/18/2026

DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

ALIGNMENT CONTROL

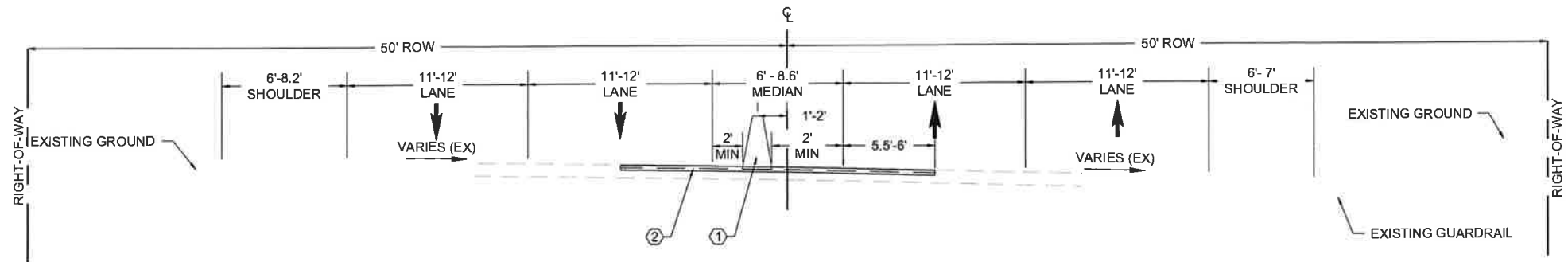
BID SUBMITTAL

CITY PROJECT #: 36224

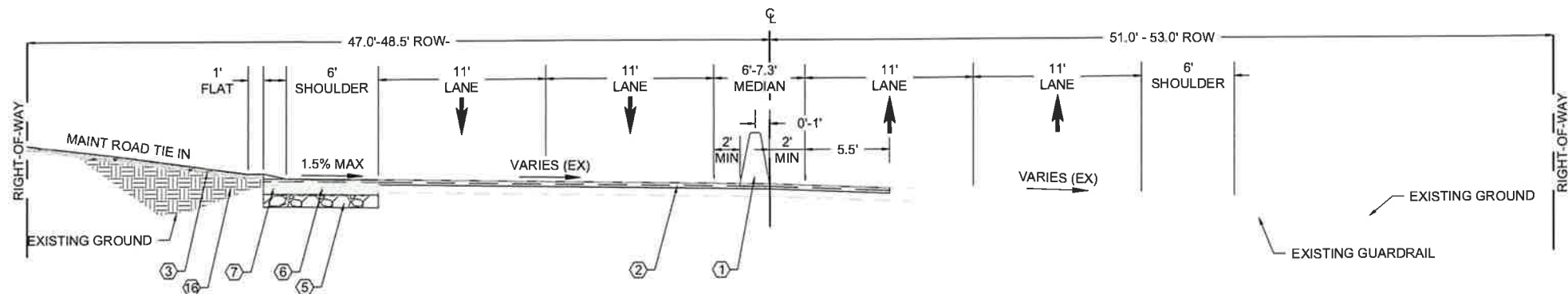
SHT. 03 OF 93

UNOFFICIAL COPY Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com

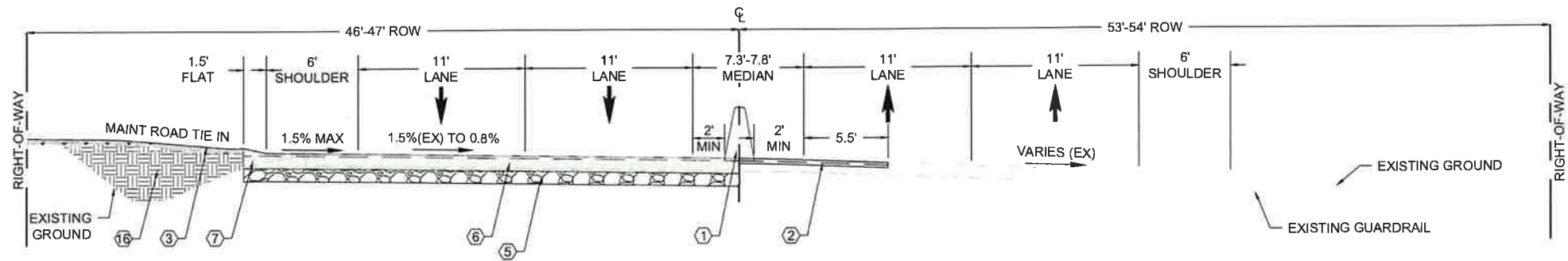
UNOFFICIAL COPY Official bid documents, plan holder's list, and addenda (if applicable)



A SR99 - LOOKING NORTH
NOT TO SCALE
STA. 22+29.4 TO STA. 26+50.0



B SR99 - LOOKING NORTH
NOT TO SCALE
STA. 26+50.0 TO STA. 27+43.8



C SR99 - LOOKING NORTH
NOT TO SCALE
STA. 27+43.8 TO STA. 27+56.0

MATERIAL CODE	
#	MATERIAL DESCRIPTION
①	SINGLE-SLOPE DUAL-FACED CONCRETE BARRIER WITH SCUPPERS PER WSDOT STD. PLAN C-70.15
②	4" PLANE & 4" INLAY HMA CL 1/2" PG 58H-22
③	SEE LANDSCAPING PLAN ON SHEETS 43-46
⑤	10" CRUSHED SURFACING TOP COURSE
⑥	12" HMA CL 1/2" PG 58H-22
⑦	18" RAISED ASPHALT EDGE PER DETAIL ON SHEET 28
⑩	GRAVEL BORROW

LEGEND

ASPHALT ROADWAY	
CRUSHED SURFACING TOP COURSE	
STAMPED CEMENT CONCRETE	
GRAVEL BORROW	
LANDSCAPING (SEE SHEETS 43-46)	

ROADWAY SECTION NOTES:

1. FINAL LIFT OF HMA SHALL BE DONE AT SAME TIME FOR ENTIRE PROJECT.
2. THE CONTRACTOR IS HEREBY MADE AWARE THAT EXISTING CONCRETE PAVEMENT PANELS BENEATH/WITHIN THE EXISTING PAVEMENT STRUCTURE MAY BE ENCOUNTERED DURING RECONSTRUCTION OF THE ROADWAY. IF ENCOUNTERED, THE CONTRACTOR SHALL REMOVE CONCRETE PANELS. REFER TO PROJECT SPECIFICATIONS APPENDIX FOR POTHOLE INFORMATION.
3. POND GRADING EARTHWORK DETAILS AND MATERIALS PROVIDED ON SHEETS 43-46.
4. ROADWAY SECTIONS ARE TYPICAL FOR THE STATION RANGE SHOWN. SEE ROADWAY PLAN AND PROFILES FOR DETAILED CURBLINE/RAISED EDGE LIMITS AND ROADWAY CROSS-SLOPE TRANSITIONS.

transpogroup
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203 (TEL) 425 821-3665
KIRKLAND, WASHINGTON 98034 (FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

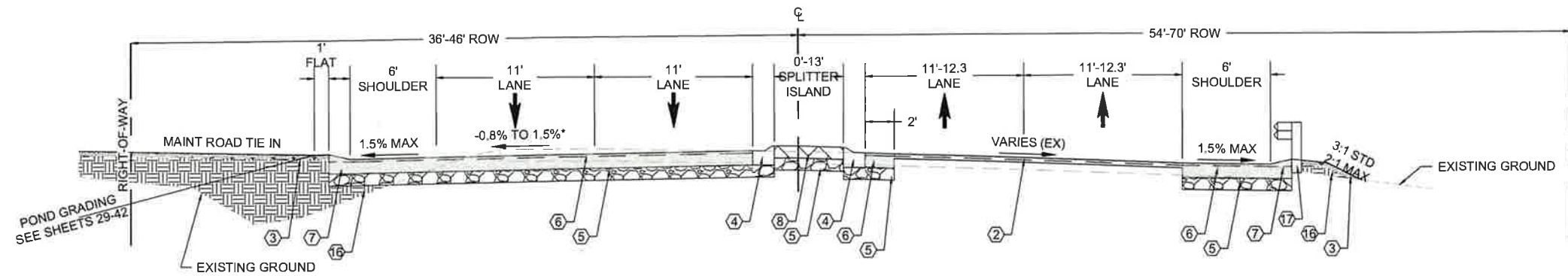
SR99 AT S 373RD ST ROUNDABOUT

ROADWAY SECTIONS

BID SUBMITTAL

CITY PROJECT #:
36224

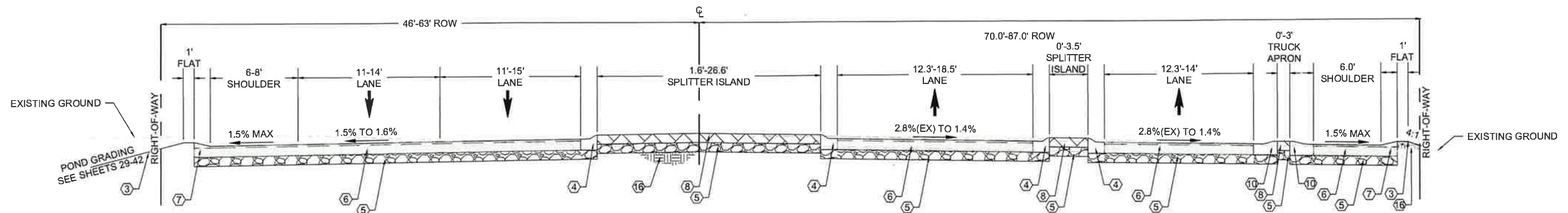
SHT. 04
OF 93



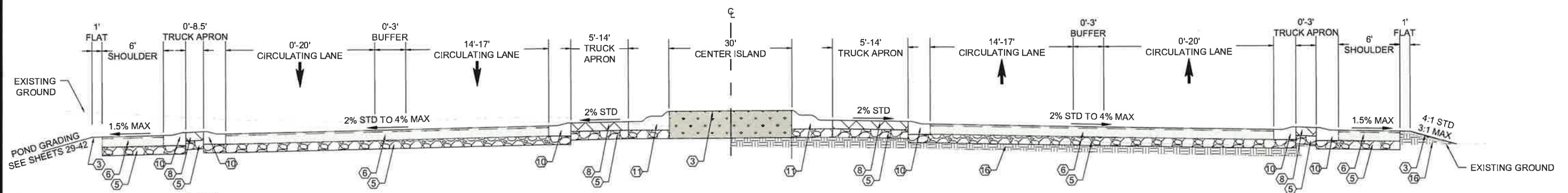
D SR99 - LOOKING NORTH
NOT TO SCALE
STA. 27+56.0 TO STA. 29+20.0
* END SB LANE SLOPE TRANSITION AT STA 27+95.00

MATERIAL CODE	
#	MATERIAL DESCRIPTION
②	4" PLANE & 4" INLAY HMA CL 1/2" PG 58H-22
③	SEE LANDSCAPING PLAN ON SHEETS 43-46
④	ROUNDAABOUT CEMENT CONCRETE CURB AND GUTTER 2 PER WSDOT STD. PLAN F-10.18
⑤	10" CRUSHED SURFACING TOP COURSE
⑥	12" HMA CL 1/2" PG 58H-22
⑦	18" STAMPED ASPHALT EDGE PER DETAIL ON SHEET 28
⑧	10" STAMPED CEMENT CONCRETE CLASS 4000 PER DETAIL ON SHEET 04
⑩	ROUNDAABOUT TRUCK APRON CEM. CONC. CURB AND GUTTER 1 PER WSDOT STD. PLAN F-10.18
⑪	ROUNDAABOUT CENTRAL ISLAND CEMENT CONCRETE CURB 3 PER WSDOT STD. PLAN F-10.18
⑫	GRAVEL BORROW
⑬	BEAM GUARDRAIL TYPE 31 PER WSDOT STD. PLAN C-20.10

NOTES:
1. SEE SHEET 04 FOR ROADWAY SECTION NOTES AND LEGEND.



E SR99 - LOOKING NORTH
NOT TO SCALE
STA. 29+20.0 TO STA. 30+26.8



F SR99 & S 373RD ST - INTERSECTION
NOT TO SCALE
SR99 STA. 31+00 AND S 373RD ST STA. 100+00

transpogroup **7T**
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203 (TEL) 425 821-3665
KIRKLAND, WASHINGTON 98034 (FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

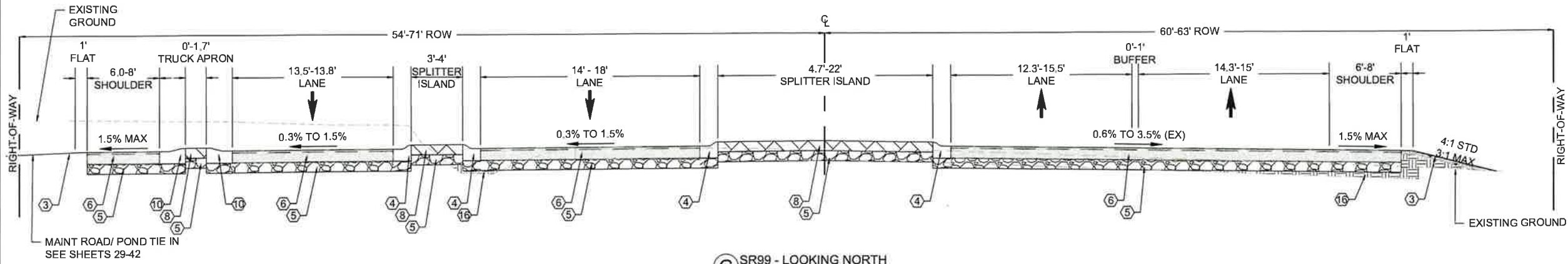
SR99 AT S 373RD ST ROUNDAABOUT

ROADWAY SECTIONS

BID SUBMITTAL

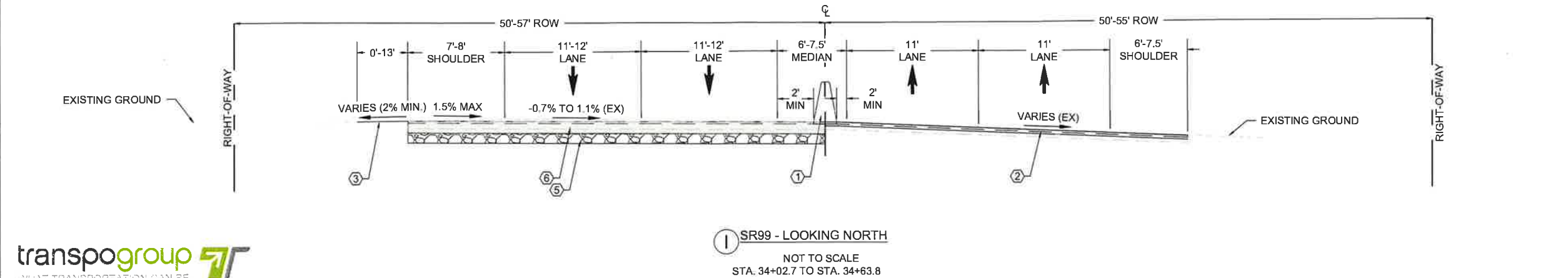
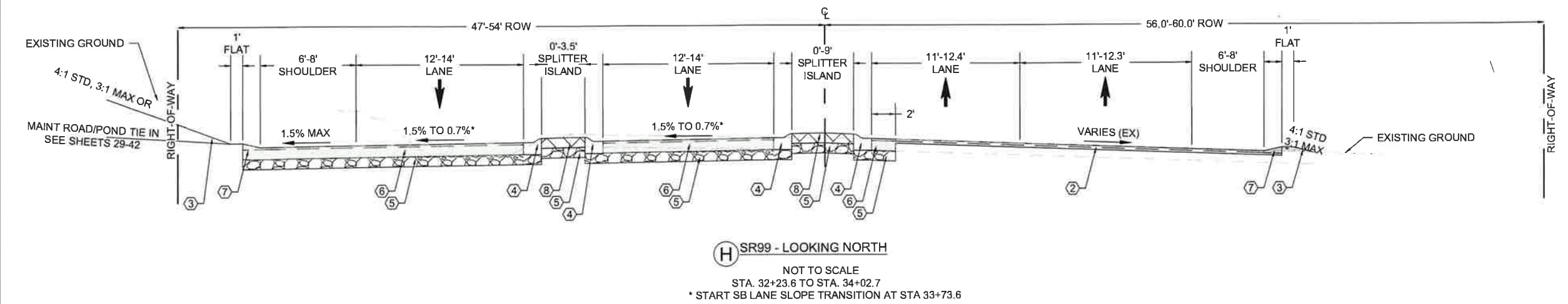
CITY PROJECT #: 36224

SHT. 05
OF 93



MATERIAL CODE	
#	MATERIAL DESCRIPTION
①	SINGLE-SLOPE DUAL-FACED CONCRETE BARRIER WITH SCUPPERS PER WSDOT STD. PLAN C-70.15
②	4" PLANE & 4" INLAY HMA CL 1/2" PG 58H-22
③	SEE LANDSCAPING PLAN ON SHEETS 43-46
④	ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER 2 PER WSDOT STD. PLAN F-10.18
⑤	10" CRUSHED SURFACING TOP COURSE
⑥	12" HMA CL 1/2" PG 58H-22
⑦	18" RAISED ASPHALT EDGE PER DETAIL ON SHEET 28
⑧	10" STAMPED CEMENT CONCRETE CLASS 4000 PER DETAIL ON SHEET 04
⑩	ROUNDABOUT TRUCK APRON CEM. CONC. CURB AND GUTTER 1 PER WSDOT STD. PLAN F-10.18
⑩	GRAVEL BORROW

NOTES:
1. SEE SHEET 04 FOR ROADWAY SECTION NOTES AND LEGEND.



transpogroup
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV

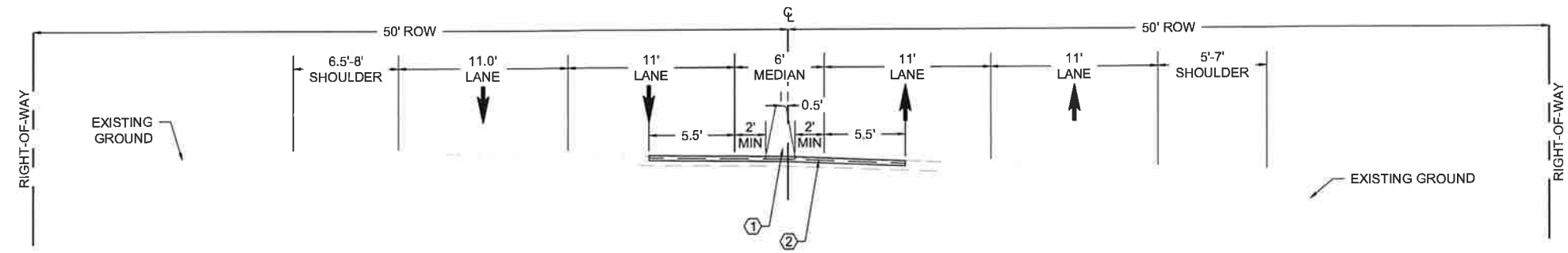


DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

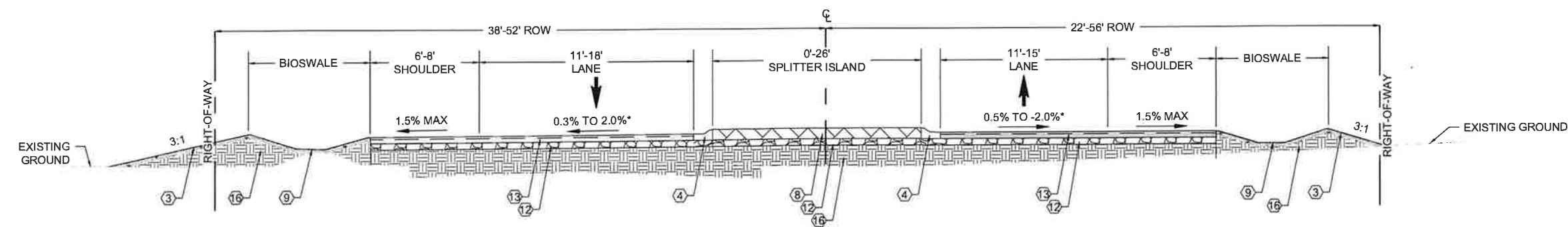
SR99 AT S 373RD ST ROUNDABOUT		CITY PROJECT #: 36224
ROADWAY SECTIONS		SHT. 06 OF 93



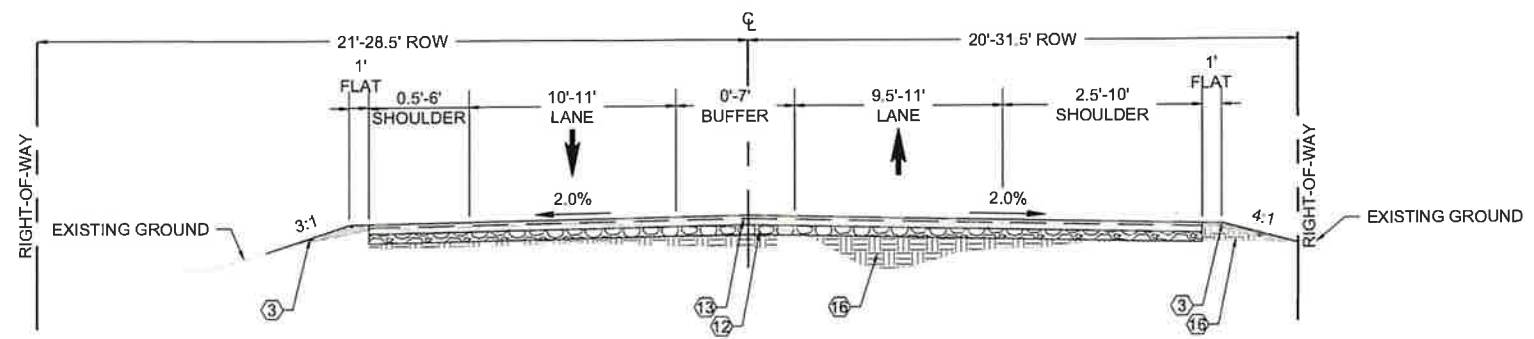
J SR99 - LOOKING NORTH
NOT TO SCALE
STA. 34+63.8 TO STA. 41+41.0

MATERIAL CODE	
#	MATERIAL DESCRIPTION
①	SINGLE-SLOPE DUAL-FACED CONCRETE BARRIER WITH SCUPPERS PER WSDOT STD. PLAN C-70.15
②	4" PLANE & 4" INLAY HMA CL 1/2" PG 58H-22
③	SEE LANDSCAPING PLAN ON SHEETS 43-46
④	ROUNDBOUT CEMENT CONCRETE CURB AND GUTTER 2 PER WSDOT STD. PLAN F-10.18
⑧	10" STAMPED CEMENT CONCRETE CLASS 4000 PER DETAIL ON SHEET 04
⑨	BIOSWALE PER STORMWATER PLAN ON SHEETS 29-42
⑫	6" CRUSHED SURFACING TOP COURSE
⑬	6" HMA CL 1/2" PG 58H-22
⑭	1.5" CRUSHED SURFACING TOP COURSE
⑮	8.5" CRUSHED SURFACING BASE COURSE
⑯	GRAVEL BORROW

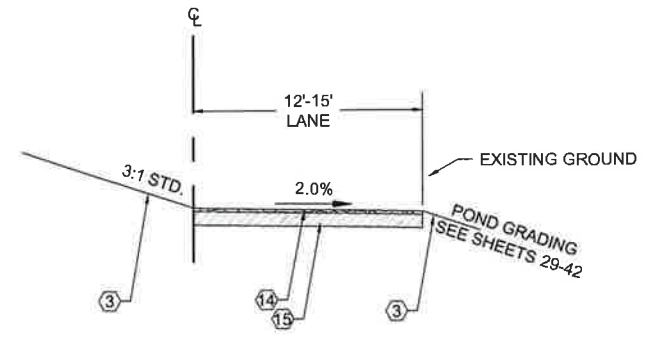
NOTES:
1. SEE SHEET 04 FOR ROADWAY SECTION NOTES AND LEGEND.



K S 373RD ST - LOOKING EAST
NOT TO SCALE
STA. 100+83.5 TO STA. 102+30.1
*LANE SLOPE TRANSITIONS END AT STA 101+83.10



L S 373RD ST - LOOKING EAST
NOT TO SCALE
STA. 102+30.1 TO STA. 103+37.7



M MAINTENANCE ROAD - LOOKING NORTH
NOT TO SCALE
STA. 300+00.0 TO STA. 306+24.6

transpogroup **7**
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE, NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



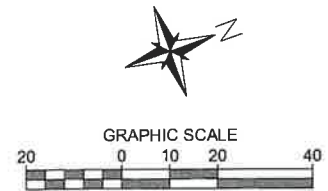
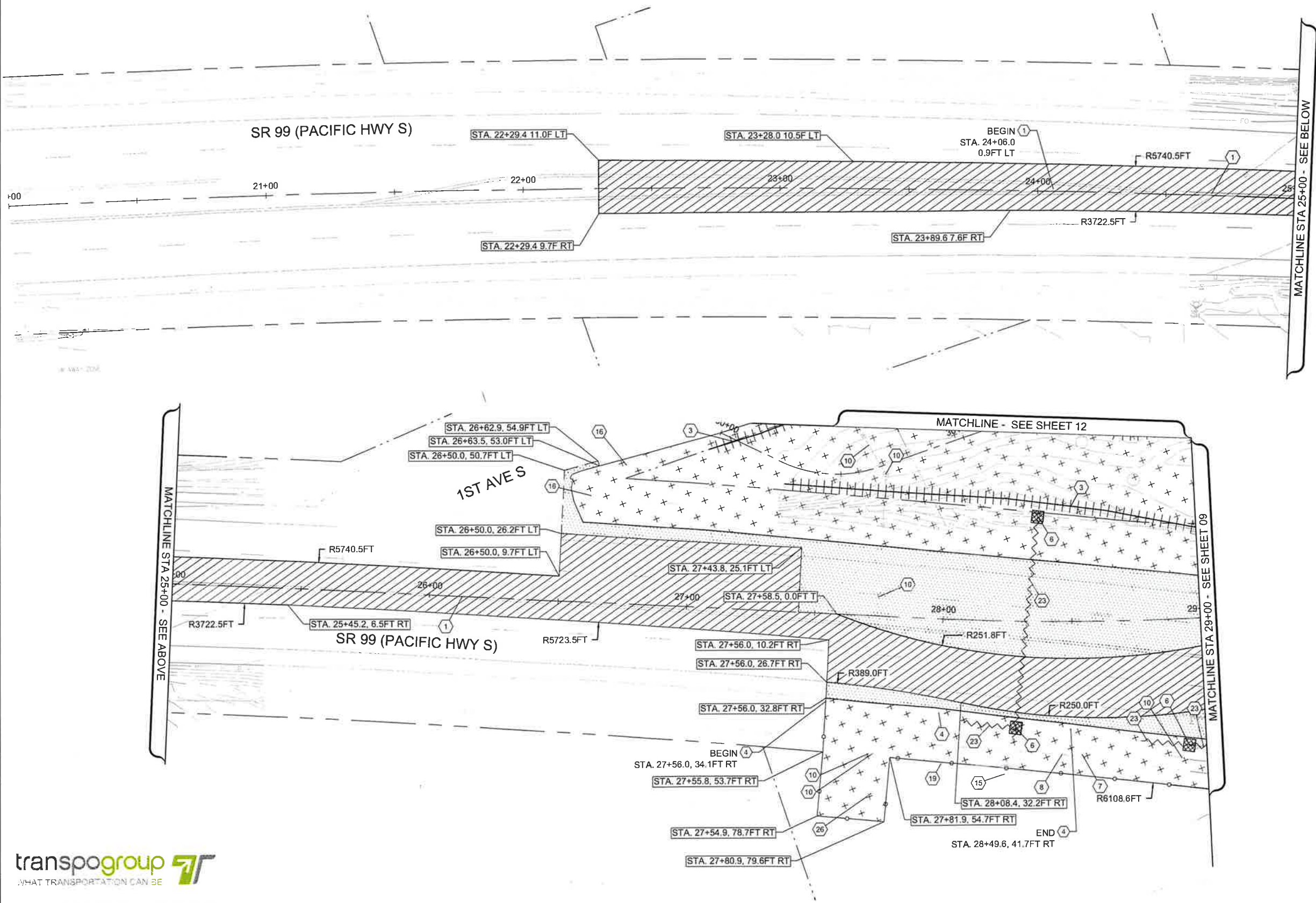
DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDBOUT		CITY PROJECT #: 36224
ROADWAY SECTIONS		SHT. 07 OF 93

SEC. 32, T. 21 N., R. 04 E., W.M.



- LEGEND**
- RIGHT-OF-WAY
 - PARCEL BOUNDARY
 - SAWCUT
 - HIGH VISIBILITY SILT FENCE
 - FENCE REMOVAL/RELOCATE
 - STORM PIPE/CULVERT REMOVAL
 - ROADWAY EXCAVATION
 - PLANING BITUMINOUS PAVEMENT
 - CLEAR AND GRUB
 - INLET PROTECTION
- # DEMO & TESC NOTES (THIS SHEET ONLY)**
- 1 REMOVE AND SALVAGE EXISTING TUFF CURB AND POST, COORDINATE WITH CITY TO DELIVER.
 - 3 REMOVE EXISTING FENCE.
 - 4 REMOVE EXISTING GUARDRAIL.
 - 6 PRIOR TO REMOVAL, INSTALL STORM DRAIN INLET PROTECTION PER WSDOT STANDARD PLAN I-40.20. REMOVE EXISTING CATCH BASIN.
 - 7 ADJUST EXISTING JUNCTION BOX TO FINAL GRADE.
 - 8 PROTECT EXISTING UTILITY POLE.
 - 10 WATER UTILITY IMPROVEMENTS, SEE BID SCHEDULE B FOR DETAILS.
 - 15 ABANDON EXISTING STORM SYSTEM. SEE SHEETS 29-33 FOR DETAILS.
 - 16 EXISTING SIGN. SEE SHEETS 53 - 58 FOR DETAILS.
 - 19 PROTECT EXISTING FENCE.
 - 23 REMOVE EXISTING STORM DRAIN PIPE.
 - 26 PROTECT EXISTING CULVERT.

- DEMO GENERAL NOTES**
- 1. CONTRACTOR SHALL PRESERVE AND PROTECT ALL ABOVE AND BELOW GRADE IMPROVEMENTS THAT ARE TO REMAIN IN PLACE. CONTRACTOR IS RESPONSIBLE FOR DAMAGES.
 - 2. SAVE AND PROTECT ALL EXISTING VEGETATION AND IRRIGATION SYSTEMS OUTSIDE OF THE CLEARING AND GRUBBING LIMITS.
 - 3. SAWCUT LINES ARE NOT LABELED FOR THE CONSTRUCTION OR REMOVAL OF UNDERGROUND UTILITIES.
 - 4. ALL EXISTING TREES WITHIN CLEARING LIMITS SHALL BE REMOVED UNLESS OTHERWISE NOTED.
 - 5. INSTALL HIGH VISIBILITY FENCE ALONG CLEARING AND GRUBBING LIMITS PER WSDOT STANDARD PLAN I-30.17.
 - 6. FULL DEPTH OF EXISTING ASPHALT ROADWAY SHALL BE REMOVED FOR EXTENTS OF ROADWAY EXCAVATION.
 - 7. CONTRACTOR SHALL DISPOSE OF EXCESS FILL MATERIALS AT AN UPLAND LOCATION IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS.

BID SUBMITTAL

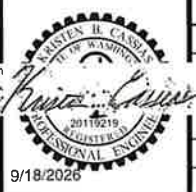


12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV

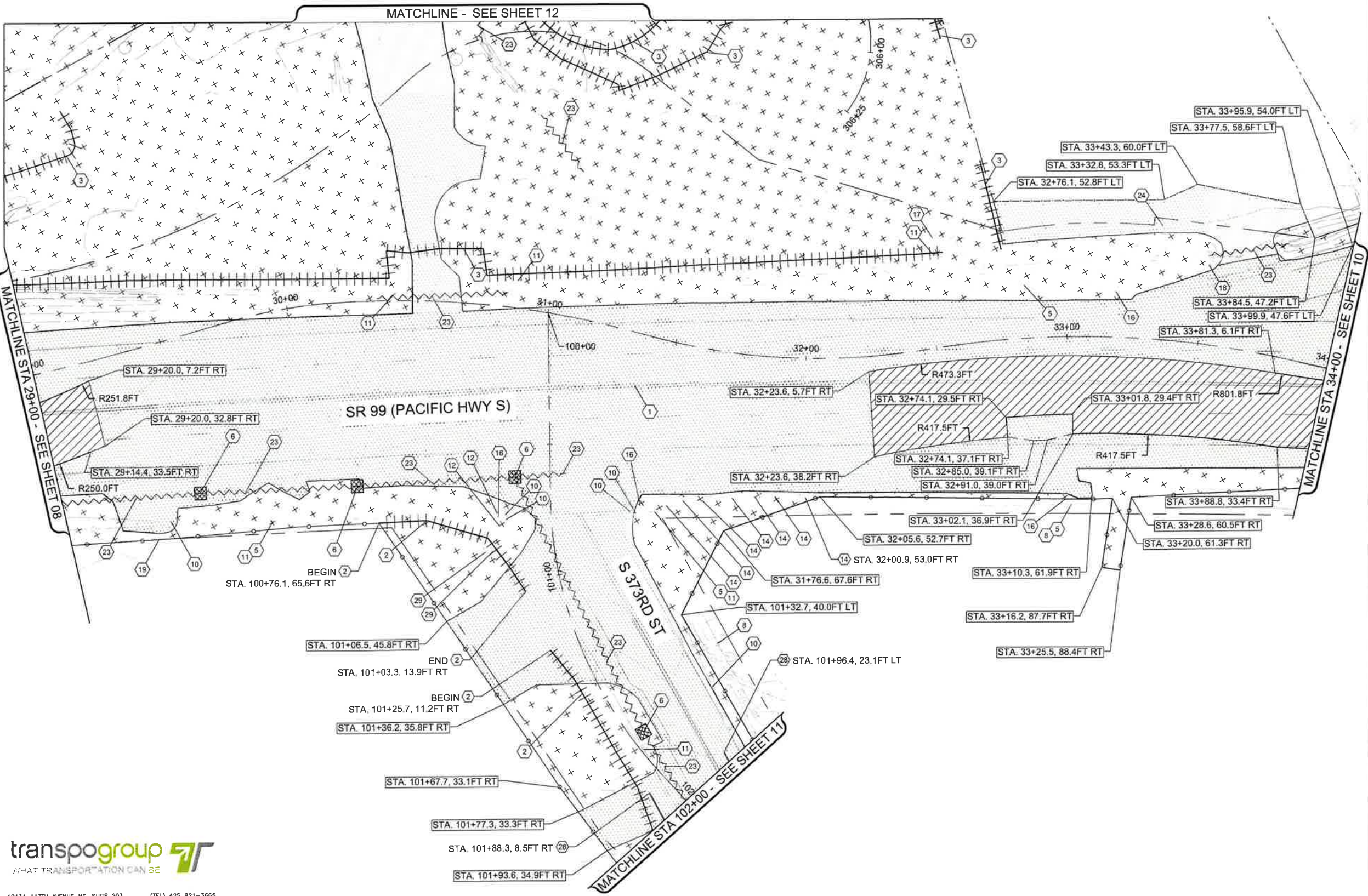
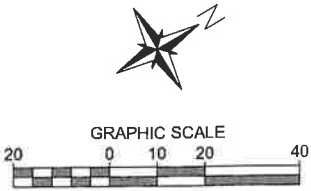


DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT		CITY PROJECT #: 36224
DEMO & TESC PLAN		SHT. 08 OF 93



LEGEND

RIGHT-OF-WAY	---
PARCEL BOUNDARY	- - -
SAWCUT	- - -
HIGH VISIBILITY SILT FENCE	—●—●—●—
FENCE REMOVAL/RELOCATE	
STORM PIPE/CULVERT REMOVAL	~~~~~
ROADWAY EXCAVATION	[Hatched Box]
PLANING BITUMINOUS PAVEMENT	[Diagonal Lines Box]
CLEAR AND GRUB	[Cross-hatched Box]
INLET PROTECTION	[Grid Box]

- # DEMO & TESC NOTES (THIS SHEET ONLY)**
- 1 REMOVE AND SALVAGE EXISTING TUFF CURB AND POST. COORDINATE WITH CITY TO DELIVER.
 - 2 RELOCATE EXISTING TEMPORARY FENCE. SEE SHEETS 13 - 19 FOR DETAILS.
 - 3 REMOVE EXISTING FENCE.
 - 5 REMOVE EXISTING LUMINAIRE. COORDINATE WITH PSE ON REMOVAL.
 - 6 PRIOR TO REMOVAL, INSTALL STORM DRAIN INLET PROTECTION PER WSDOT STANDARD PLAN I-40.20. REMOVE EXISTING CATCH BASIN.
 - 8 PROTECT EXISTING UTILITY POLE.
 - 10 WATER UTILITY IMPROVEMENTS, SEE BID SCHEDULE B FOR DETAILS.
 - 11 EXISTING UTILITY POLE TO BE RELOCATED BY OTHERS.
 - 12 REMOVE EXISTING GUARD POST.
 - 14 REMOVE AND SALVAGE EXISTING ECOLOGY BLOCK. COORDINATE WITH CITY TO DELIVER.
 - 16 EXISTING SIGN. SEE SHEETS 53 - 58 FOR DETAILS.
 - 17 EXISTING POWER METER TO BE REMOVED. CONTRACTOR TO COORDINATE WITH PSE.
 - 18 RELOCATE EXISTING MAILBOXES. SEE SHEETS FOR 13 - 19 FOR DETAILS.
 - 19 PROTECT EXISTING FENCE.
 - 23 REMOVE EXISTING STORM DRAIN PIPE.
 - 24 PROTECT EXISTING STORM DRAIN SYSTEM. SEE SHEETS 29-33 FOR DETAILS.
 - 28 APPROXIMATE SHORING WALL LIMITS FOR STORM VAULT INSTALLATION, CONTRACTOR SHALL PROVIDE DESIGN FOR FINAL SHORING LIMITS.
 - 29 REMOVE EXISTING STAND PIPES AND CONCRETE FOUNDATIONS.

transpogroup

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034

(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity

33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV

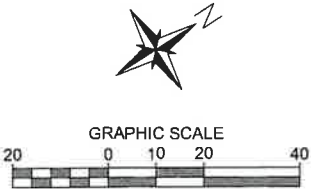
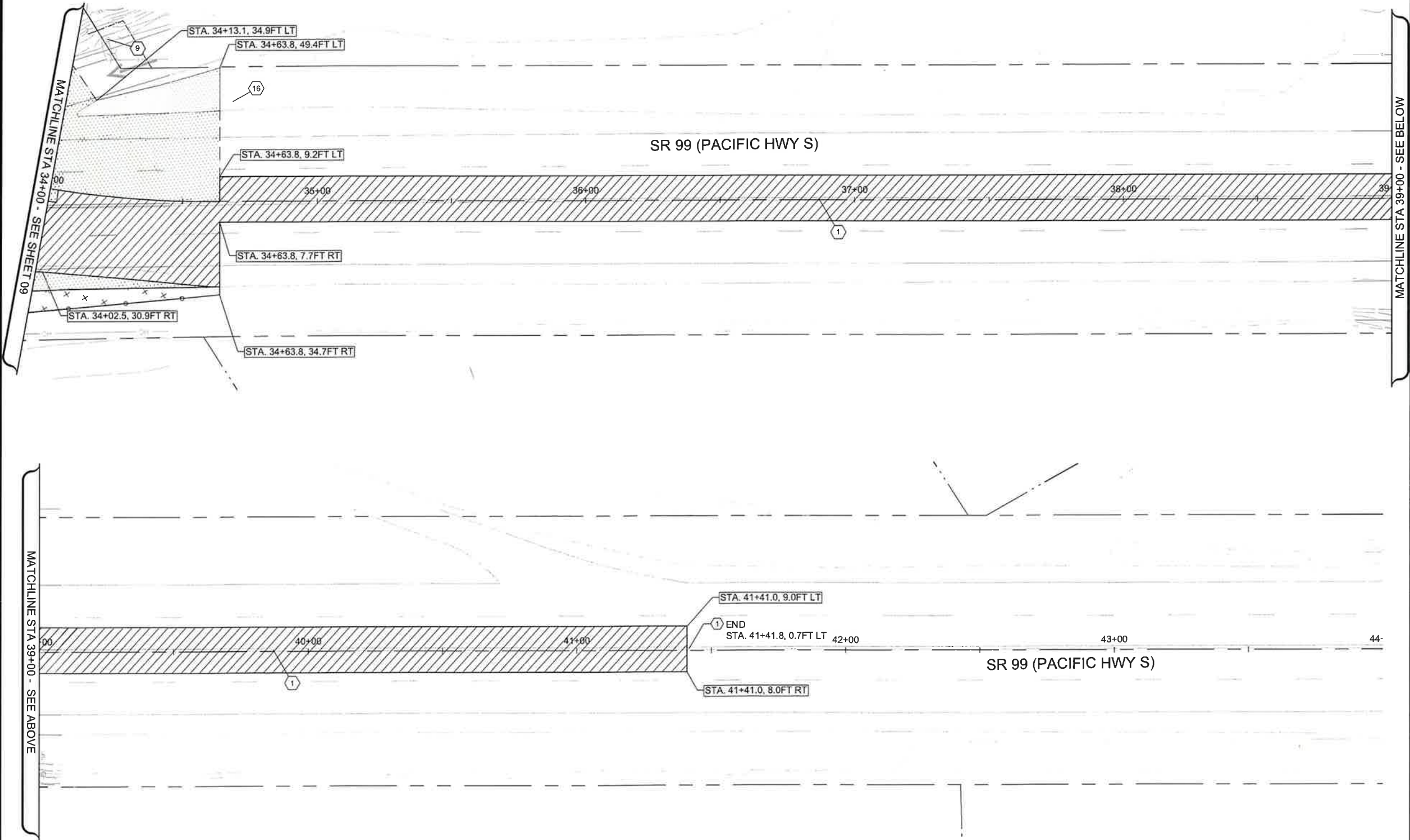


DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT		CITY PROJECT #: 36224
DEMO & TESC PLAN		SHT. 09 OF 93



LEGEND	
RIGHT-OF-WAY	
PARCEL BOUNDARY	
SAWCUT	
HIGH VISIBILITY SILT FENCE	
FENCE REMOVAL/RELOCATE	
STORM PIPE/CULVERT REMOVAL	
ROADWAY EXCAVATION	
PLANING BITUMINOUS PAVEMENT	
CLEAR AND GRUB	
INLET PROTECTION	

- # DEMO & TESC NOTES (THIS SHEET ONLY)
- 1 REMOVE AND SALVAGE EXISTING TUFF CURB AND POST, COORDINATE WITH CITY TO DELIVER.
 - 9 REMOVE EXISTING FOUNDATION, POLE, AND LUMINAIRE.
 - 16 EXISTING SIGN. SEE SHEETS 53 - 58 FOR DETAILS.



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034

(TEL) 425 821-3665
(FAX) 425 825-8434

**CITY OF
Federal Way**
Centered on Opportunity

33325 8TH AVE S
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV

Know what's below.
Call before you dig.

DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



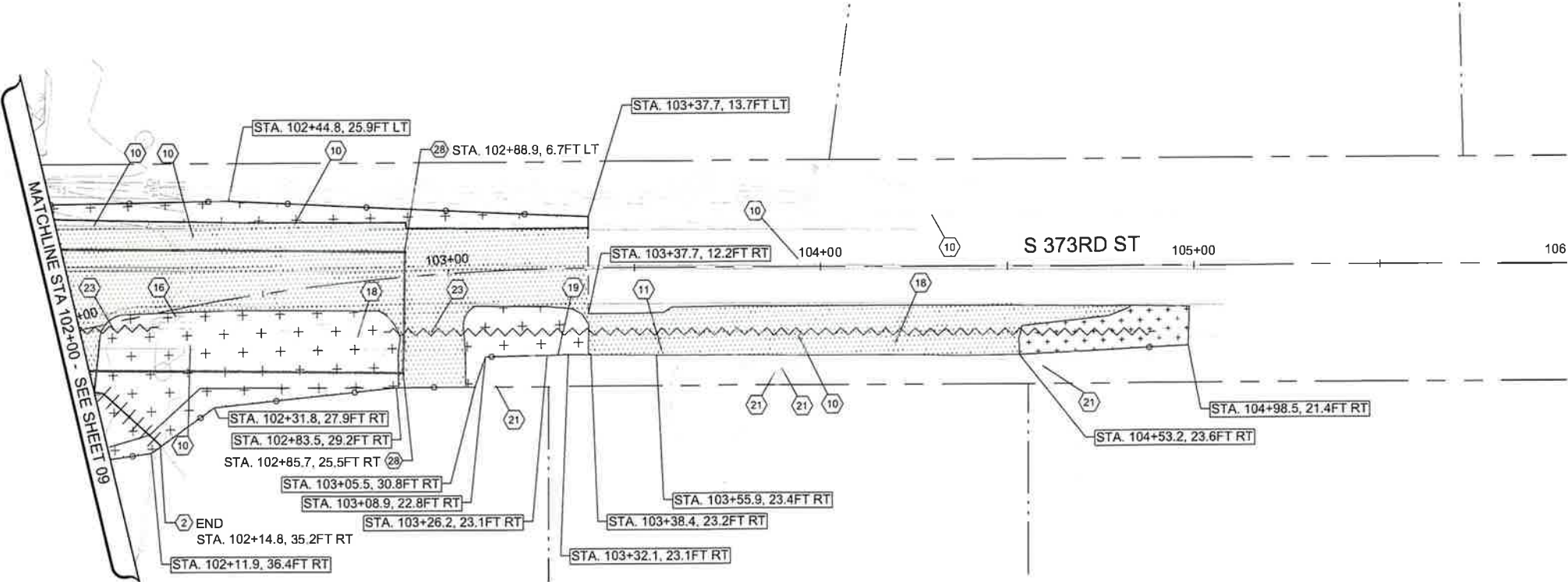
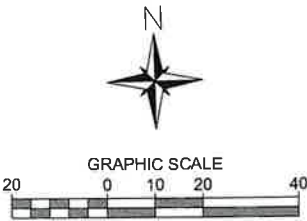
DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

DEMO & TESC PLAN

CITY PROJECT #:
36224

SHT. 10
OF 93



- LEGEND**
- RIGHT-OF-WAY
 - PARCEL BOUNDARY
 - SAWCUT
 - HIGH VISIBILITY SILT FENCE
 - FENCE REMOVAL/RELOCATE
 - STORM PIPE/CULVERT REMOVAL
 - ROADWAY EXCAVATION
 - PLANING BITUMINOUS PAVEMENT
 - CLEAR AND GRUB
 - INLET PROTECTION

- # DEMO & TESC NOTES (THIS SHEET ONLY)**
- 2 RELOCATE EXISTING TEMPORARY FENCE. SEE SHEETS 13 - 19 FOR DETAILS.
 - 10 WATER UTILITY IMPROVEMENTS, SEE BID SCHEDULE B FOR DETAILS.
 - 11 EXISTING UTILITY POLE TO BE RELOCATED BY OTHERS.
 - 16 EXISTING SIGN. SEE SHEETS 53 - 58 FOR DETAILS.
 - 18 RELOCATE EXISTING MAILBOXES. SEE SHEETS FOR 13 - 19 FOR DETAILS.
 - 19 PROTECT EXISTING FENCE.
 - 21 PROTECT EXISTING TREE.
 - 23 REMOVE EXISTING STORM DRAIN PIPE.
 - 28 APPROXIMATE SHORING WALL LIMITS FOR STORM VAULT INSTALLATION, CONTRACTOR SHALL PROVIDE DESIGN FOR FINAL SHORING LIMITS.



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034

(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

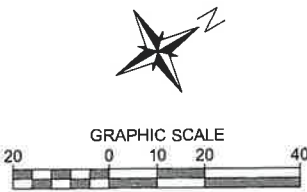
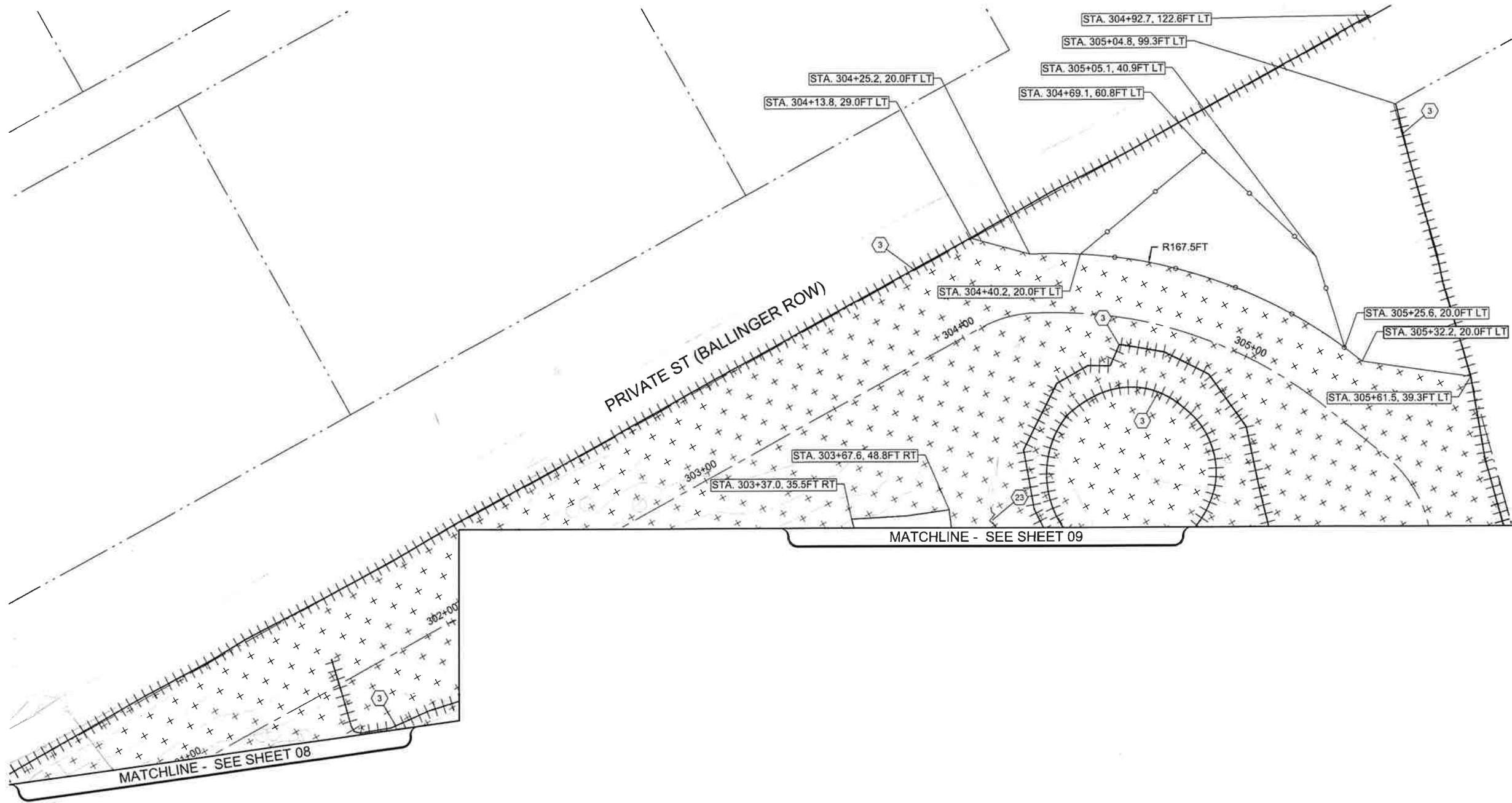
DEMO & TESC PLAN

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 11
OF 93

SEC. 32, T. 21 N., R. 04 E., W.M.



- LEGEND**
- RIGHT-OF-WAY
 - PARCEL BOUNDARY
 - SAWCUT
 - HIGH VISIBILITY SILT FENCE
 - FENCE REMOVAL/RELOCATE
 - STORM PIPE/CULVERT REMOVAL
 - ROADWAY EXCAVATION
 - PLANING BITUMINOUS PAVEMENT
 - CLEAR AND GRUB
 - INLET PROTECTION

- # DEMO & TESC NOTES (THIS SHEET ONLY)**
- 3 REMOVE EXISTING FENCE.
 - 23 REMOVE EXISTING STORM DRAIN PIPE.



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



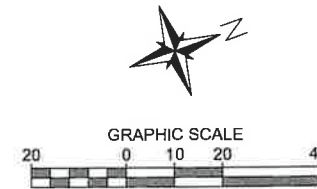
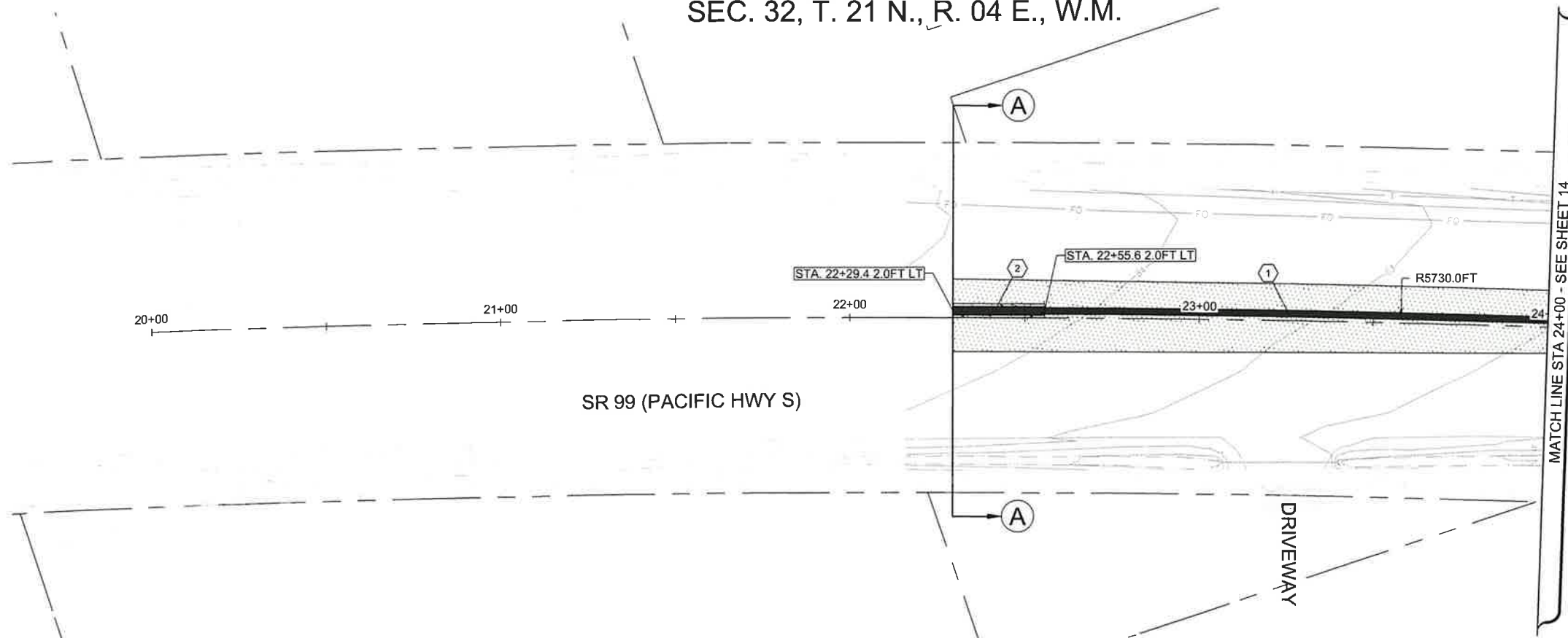
DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT
DEMO & TESC PLAN

BID SUBMITTAL

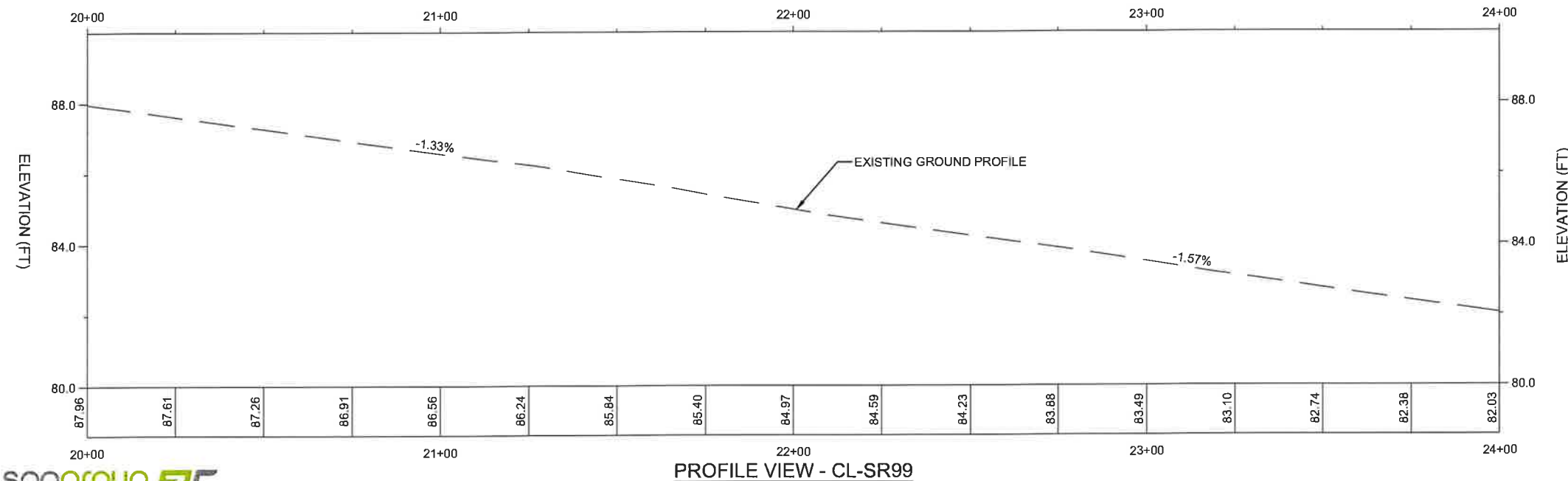
CITY PROJECT #: 36224
SHT. 12 OF 93

SEC. 32, T. 21 N., R. 04 E., W.M.



LEGEND

RIGHT-OF-WAY	
PARCEL BOUNDARY	
ASPHALT ROADWAY	
DETECTABLE WARNING SURFACE	
LANDSCAPING (SEE SHEETS 43-46)	
CONCRETE ISLAND	
TRUCK APRON	
MAINTENANCE ROAD	
CONCRETE	
CONCRETE BARRIER	



PAVING NOTES (THIS SHEET ONLY)

1. INSTALL SINGLE-SLOPE CONCRETE BARRIER WITH SCUPPERS PER WSDOT STANDARD PLAN C-70.15.
2. INSTALL PERMANENT IMPACT ATTENUATOR. MODEL SHALL BE 24" WIDTH QUADGUARD ELITE M10 (8-BAY) IMPACT ATTENUATOR OR APPROVED EQUAL.

transpogroup **7T**
WHAT TRANSPORTATION CAN BE

13131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

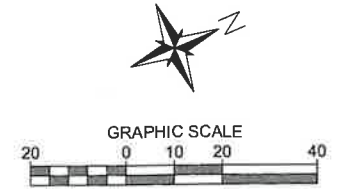
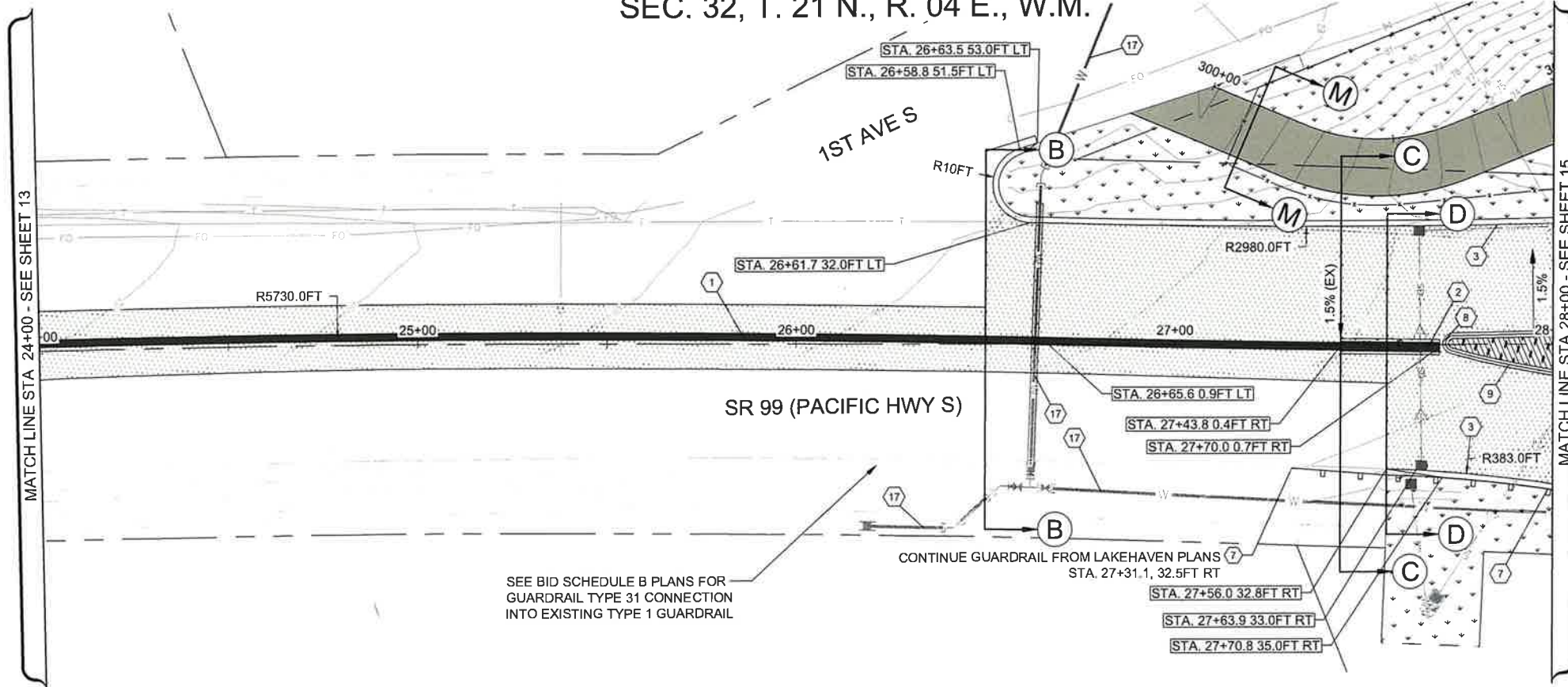
ROADWAY PLAN AND PROFILE

BID SUBMITTAL

CITY PROJECT #:
36224

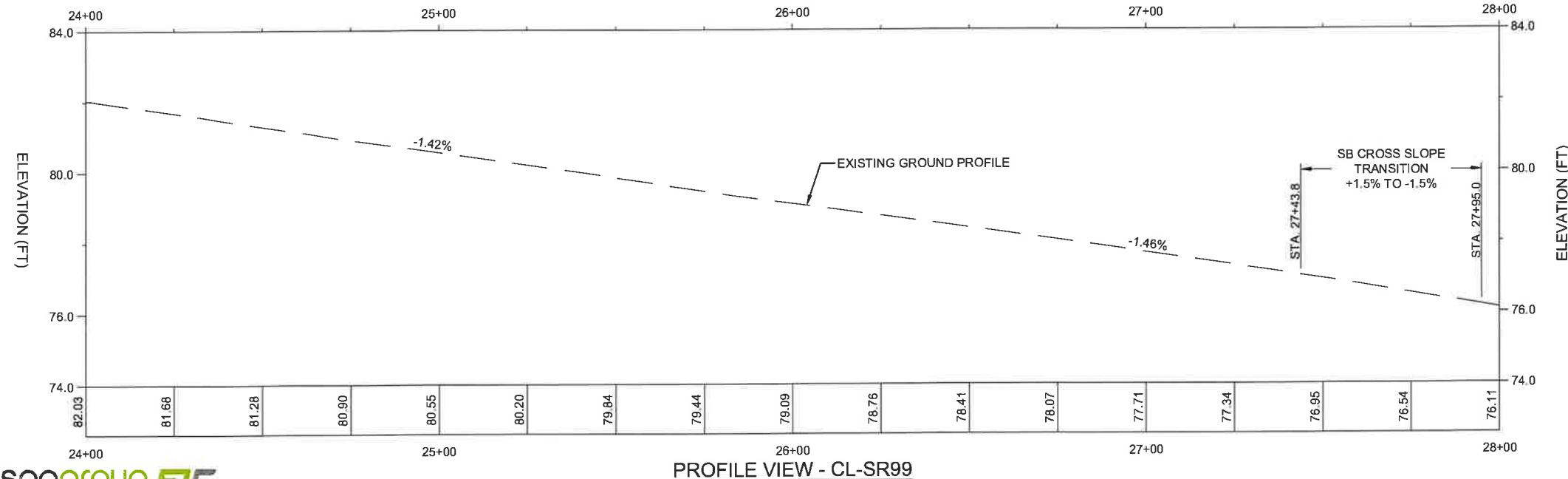
SHT. 13
OF 93

SEC. 32, T. 21 N., R. 04 E., W.M.



LEGEND

RIGHT-OF-WAY	
PARCEL BOUNDARY	
ASPHALT ROADWAY	
DETECTABLE WARNING SURFACE	
LANDSCAPING (SEE SHEETS 43-46)	
CONCRETE ISLAND	
TRUCK APRON	
MAINTENANCE ROAD	
CONCRETE	
CONCRETE BARRIER	



PROFILE VIEW - CL-SR99

PAVING NOTES (THIS SHEET ONLY)

- INSTALL SINGLE-SLOPE CONCRETE BARRIER WITH SCUPPERS PER WSDOT STANDARD PLAN C-70.15.
- INSTALL PERMANENT IMPACT ATTENUATOR. MODEL SHALL BE 24" WIDTH QUADGUARD ELITE M10 (8-BAY) IMPACT ATTENUATOR OR APPROVED EQUAL.
- CONSTRUCT RAISED ASPHALT EDGE PER DETAIL ON SHEET 28.
- INSTALL BEAM GUARDRAIL TYPE 31 WITH ANCHOR TYPE 11 PER WSDOT STANDARD PLANS C-20.10 AND C-23.70.
- CONSTRUCT ROUNDABOUT SPLITTER ISLAND NOSING CURB PER WSDOT STANDARD PLAN F-10.18.
- CONSTRUCT ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.18. SEE SHEETS 20-26 FOR HORIZONTAL AND VERTICAL DETAILS.
- WATER UTILITY IMPROVEMENTS, SEE BID SCHEDULE B FOR DETAILS.

transpogroup

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

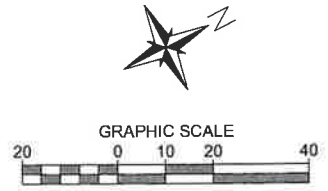
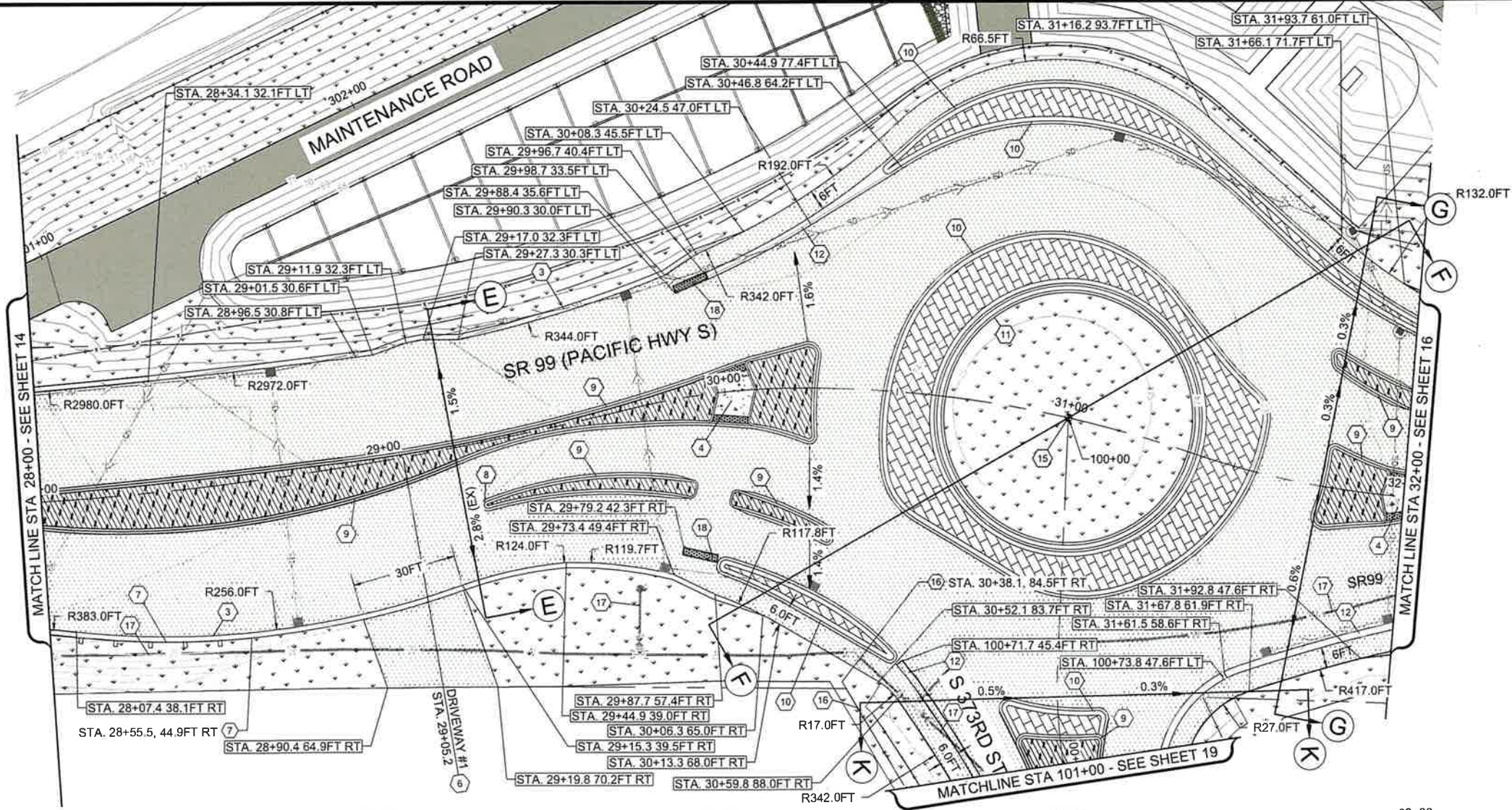
SR99 AT S 373RD ST ROUNDABOUT

ROADWAY PLAN AND PROFILE

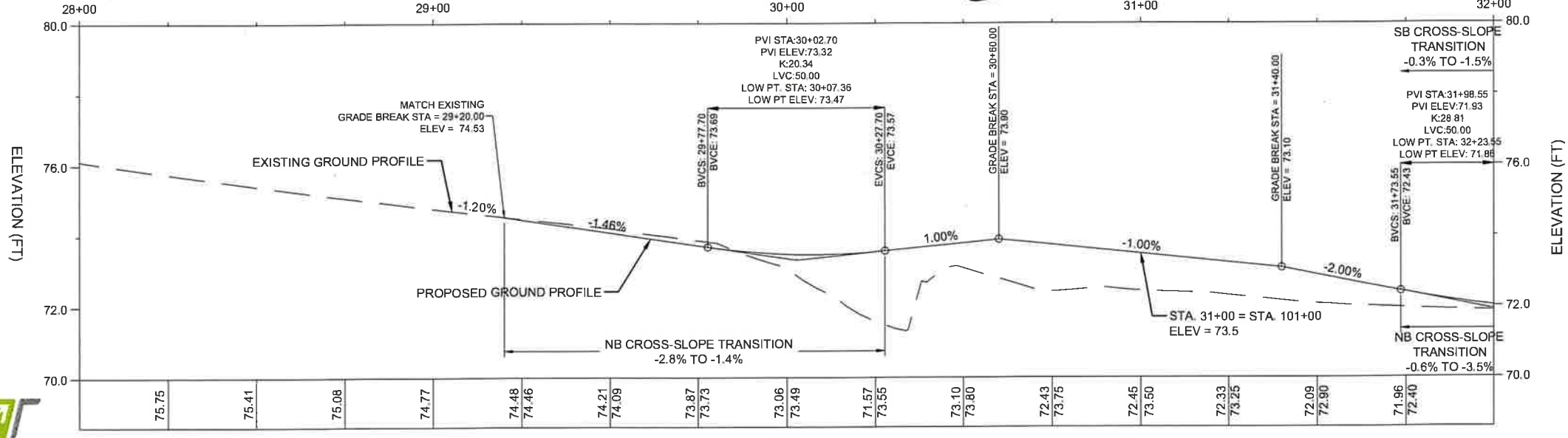
BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 14
OF 93



- LEGEND**
- RIGHT-OF-WAY
 - PARCEL BOUNDARY
 - ASPHALT ROADWAY
 - DETECTABLE WARNING SURFACE
 - LANDSCAPING (SEE SHEETS 43-46)
 - CONCRETE ISLAND
 - TRUCK APRON
 - MAINTENANCE ROAD
 - CONCRETE
 - CONCRETE BARRIER



- # PAVING NOTES (THIS SHEET ONLY)**
- 3 CONSTRUCT RAISED ASPHALT EDGE PER DETAIL ON SHEET 28.
 - 4 CONSTRUCT PEDESTRIAN REFUGE WITH FULL HEIGHT CURB, SEE TRANSITION DETAIL ON SHEET 28.
 - 6 CONSTRUCT ASPHALT DRIVEWAY PER DRIVEWAY PROFILE AND NOTES ON SHEET 27. LIMITED SURVEY IN THE AREA. DRIVEWAY ALIGNMENT AND ELEVATION SHALL BE STAKED AND APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
 - 7 INSTALL BEAM GUARDRAIL TYPE 31 WITH ANCHOR TYPE 11 PER WSDOT STANDARD PLANS C-20.10 AND C-23.70.
 - 8 CONSTRUCT ROUNDABOUT SPLITTER ISLAND NOSING CURB PER WSDOT STANDARD PLAN F-10.18.
 - 9 CONSTRUCT ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.18. SEE SHEETS 20-26 FOR HORIZONTAL AND VERTICAL DETAILS.
 - 10 CONSTRUCT ROUNDABOUT TRUCK APRON CEM. CONC. CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.18. SEE SHEETS 20-26 FOR HORIZONTAL AND VERTICAL DETAILS.
 - 11 CONSTRUCT ROUNDABOUT CENTRAL ISLAND CEMENT CONCRETE CURB PER WSDOT STANDARD PLAN F-10.18. SEE SHEETS 20-26 FOR HORIZONTAL AND VERTICAL DETAILS.
 - 12 CONSTRUCT MODIFIED ROUNDABOUT CEMENT CONCRETE CURB PER DETAIL ON SHEET 28.
 - 15 ESTABLISH NEW MONUMENT CASE AND COVER PER COFW STANDARD DETAIL FW.A10.30-A.
 - 16 RELOCATE EXISTING FENCE.
 - 17 WATER UTILITY IMPROVEMENTS, SEE BID SCHEDULE B FOR DETAILS.
 - 18 INSTALL DETECTABLE WARNING SURFACE PER WSDOT STANDARD PLAN F-45.10 AND DETAIL ON SHEET 28.



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

ROADWAY PLAN AND PROFILE

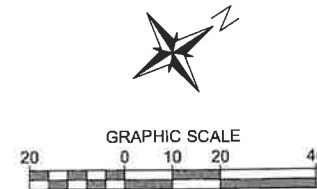
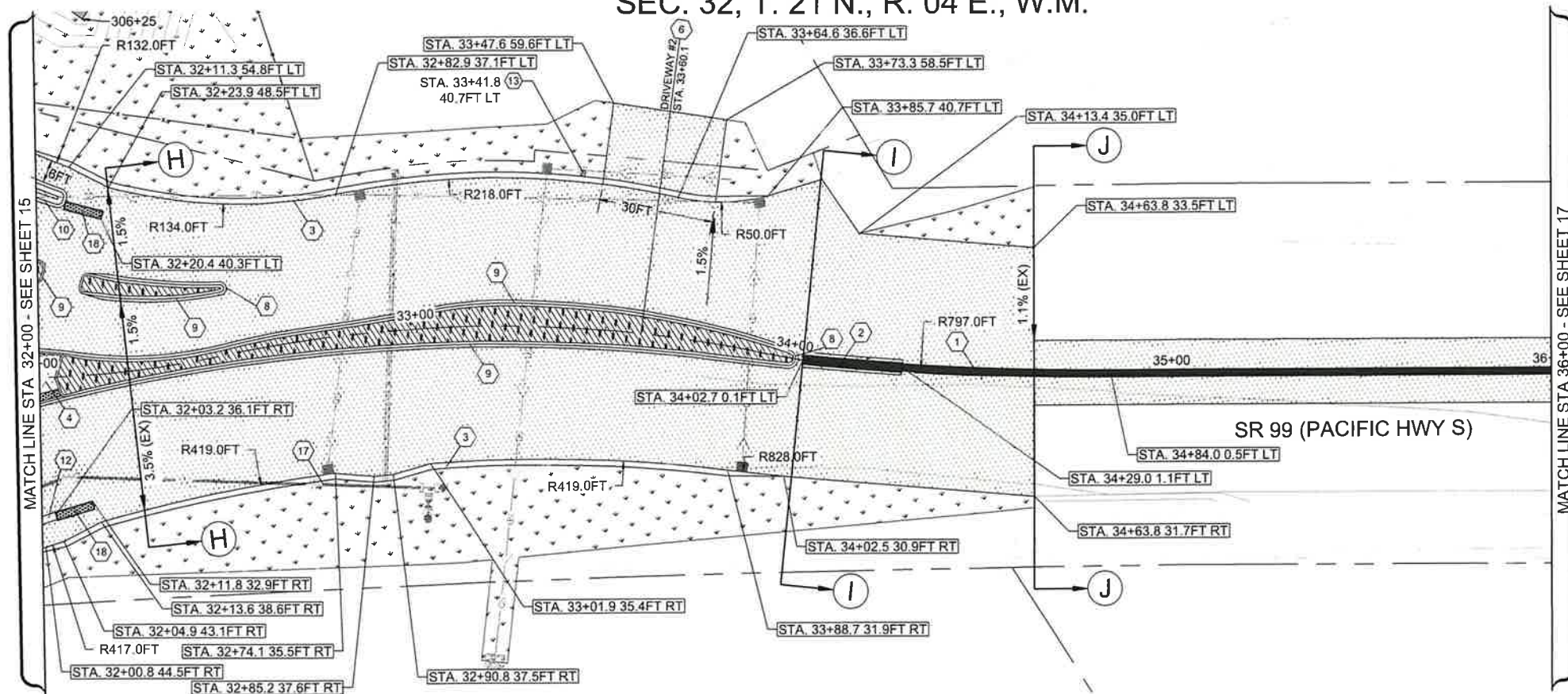
CITY PROJECT #:

36224

SHT. 15

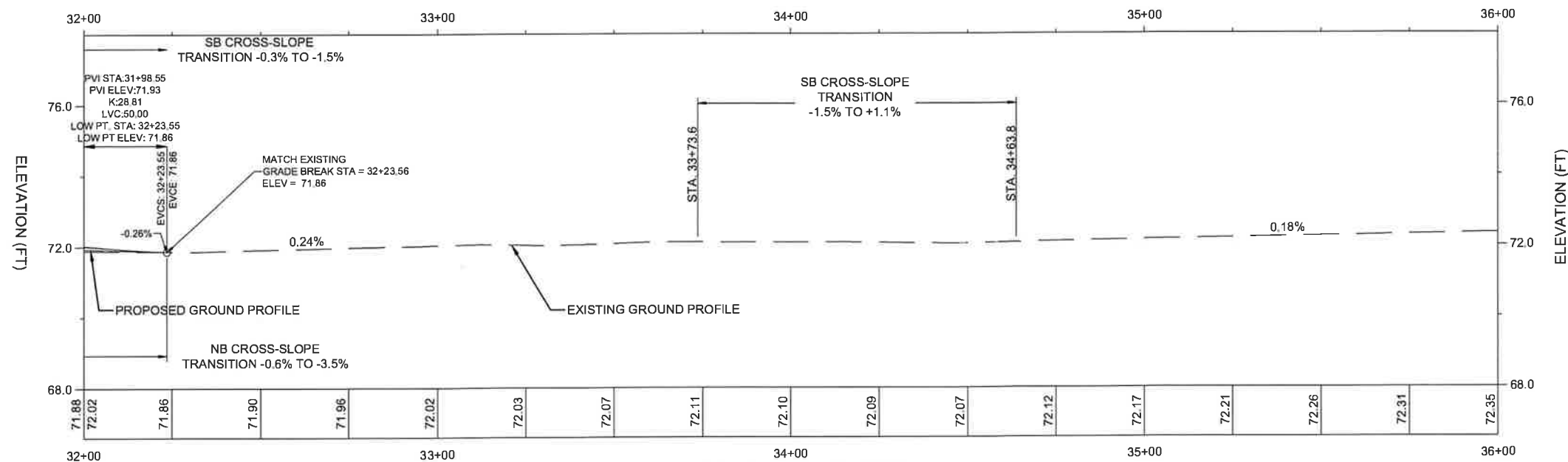
OF 93

SEC. 32, T. 21 N., R. 04 E., W.M.



LEGEND

RIGHT-OF-WAY	---
PARCEL BOUNDARY	---
ASPHALT ROADWAY	[Pattern]
DETECTABLE WARNING SURFACE	[Pattern]
LANDSCAPING (SEE SHEETS 43-46)	[Pattern]
CONCRETE ISLAND	[Pattern]
TRUCK APRON	[Pattern]
MAINTENANCE ROAD	[Pattern]
CONCRETE	[Pattern]
CONCRETE BARRIER	[Pattern]



PROFILE VIEW - CL-SR99

PAVING NOTES (THIS SHEET ONLY)

- INSTALL SINGLE-SLOPE CONCRETE BARRIER WITH SCUPPERS PER WSDOT STANDARD PLAN C-70.15.
- INSTALL 24" WIDTH QUADGUARD ELITE M10 (8-BAY) IMPACT ATTENUATOR OR APPROVED EQUAL.
- CONSTRUCT RAISED ASPHALT EDGE PER DETAIL ON SHEET 28.
- CONSTRUCT PEDESTRIAN REFUGE WITH FULL HEIGHT CURB, SEE TRANSITION DETAIL ON SHEET 28.
- CONSTRUCT ASPHALT DRIVEWAY PER DRIVEWAY PROFILE AND NOTES ON SHEET 27. LIMITED SURVEY IN THE AREA. DRIVEWAY ALIGNMENT AND ELEVATION SHALL BE STAKED AND APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
- CONSTRUCT ROUNDABOUT SPLITTER ISLAND NOSING CURB PER WSDOT STANDARD PLAN F-10.18.
- CONSTRUCT ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.18. SEE SHEETS 20-26 FOR HORIZONTAL AND VERTICAL DETAILS.
- CONSTRUCT ROUNDABOUT TRUCK APRON CEM. CONC. CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.18. SEE SHEETS 20-26 FOR HORIZONTAL AND VERTICAL DETAILS.
- CONSTRUCT MODIFIED ROUNDABOUT CEMENT CONCRETE CURB PER DETAIL ON SHEET 28.
- INSTALL EXISTING MAILBOX ON NEW MAILBOX SUPPORT TYPE 1 PER WSDOT STANDARD PLAN H-70.10.
- WATER UTILITY IMPROVEMENTS, SEE BID SCHEDULE B FOR DETAILS.
- INSTALL DETECTABLE WARNING SURFACE PER WSDOT STANDARD PLAN F-45.10 AND DETAIL ON SHEET 28.

transpogroup **7**
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3555
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV

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

DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:

9/18/2026

DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

ROADWAY PLAN AND PROFILE

BID SUBMITTAL

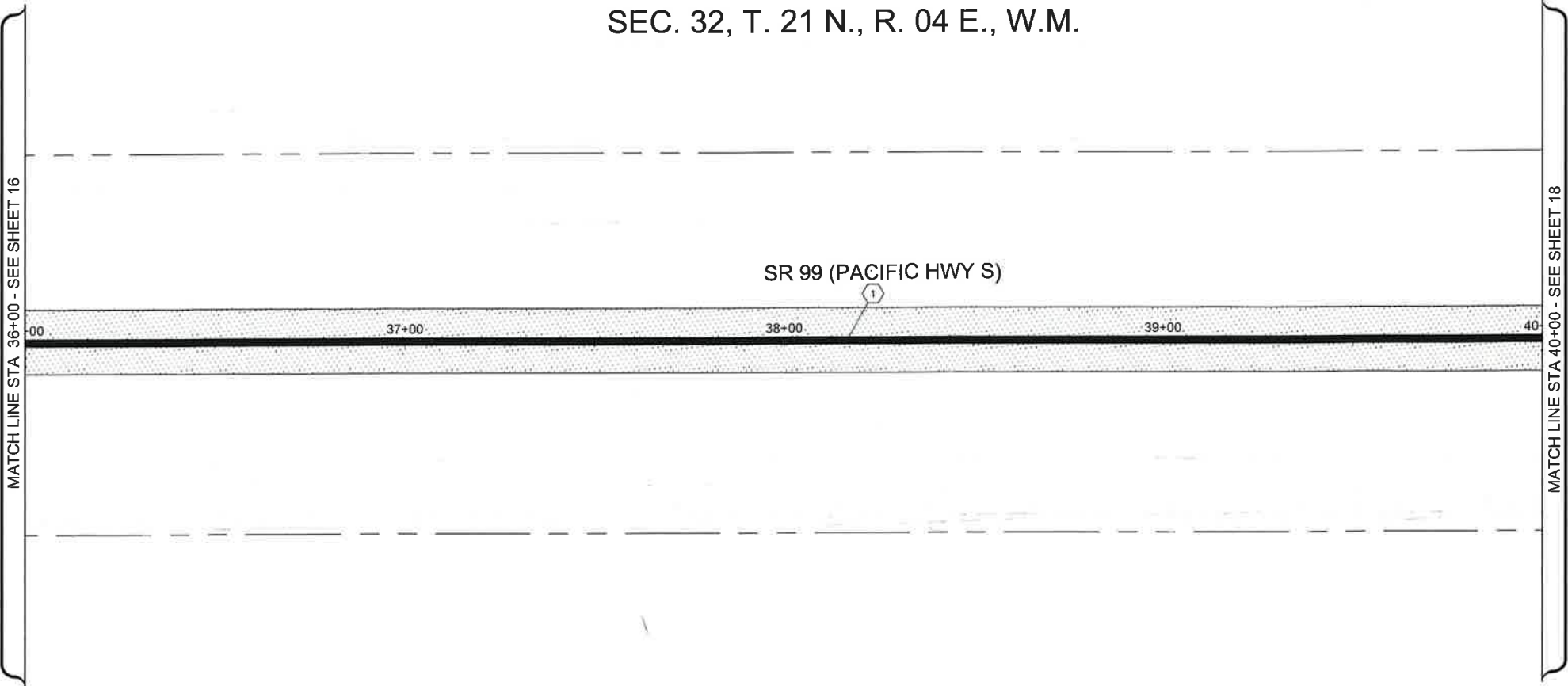
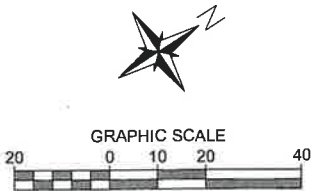
CITY PROJECT #:

36224

SHT. 16

OF 93

SEC. 32, T. 21 N., R. 04 E., W.M.

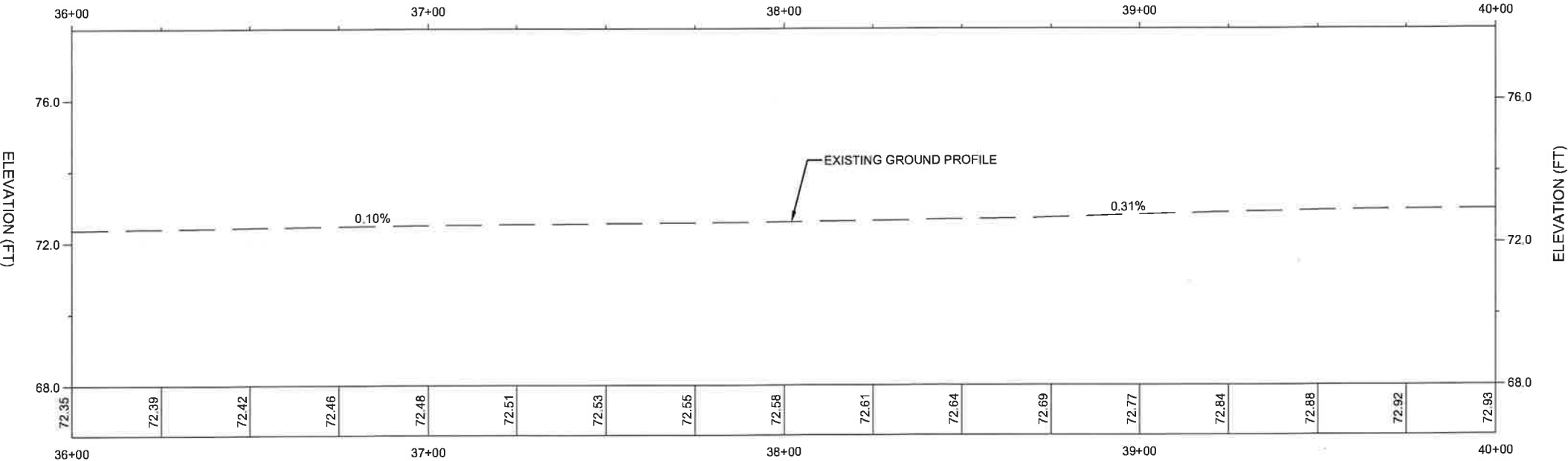


LEGEND

- RIGHT-OF-WAY
- PARCEL BOUNDARY
- ASPHALT ROADWAY
- DETECTABLE WARNING SURFACE
- LANDSCAPING (SEE SHEETS 43-46)
- CONCRETE ISLAND
- TRUCK APRON
- MAINTENANCE ROAD
- CONCRETE
- CONCRETE BARRIER

PAVING NOTES (THIS SHEET ONLY)

- 1 INSTALL SINGLE-SLOPE CONCRETE BARRIER WITH SCUPPERS PER WSDOT STANDARD PLAN C-70.15.



PROFILE VIEW - CL-SR99



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

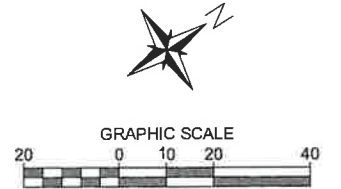
ROADWAY PLAN AND PROFILE

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 17
OF 93

SEC. 32, T. 21 N., R. 04 E., W.M.

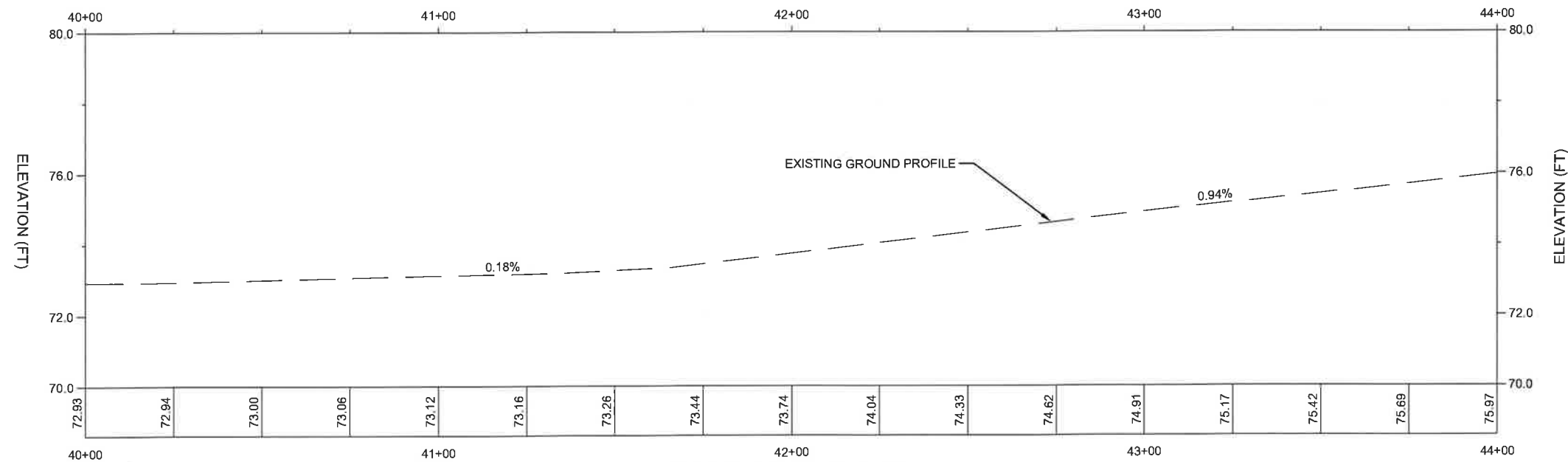


MATCH LINE STA 40+00 - SEE SHEET 17

STA. 41+14.7 0.5FT LT

SR 99 (PACIFIC HWY S)

STA. 41+41.0 0.5FT LT



PROFILE VIEW - CL-SR99

LEGEND

RIGHT-OF-WAY	
PARCEL BOUNDARY	
ASPHALT ROADWAY	
DETECTABLE WARNING SURFACE	
LANDSCAPING (SEE SHEETS 43-46)	
CONCRETE ISLAND	
TRUCK APRON	
MAINTENANCE ROAD	
CONCRETE	
CONCRETE BARRIER	

PAVING NOTES (THIS SHEET ONLY)

1. INSTALL SINGLE-SLOPE CONCRETE BARRIER WITH SCUPPERS PER WSDOT STANDARD PLAN C-70.15.
2. INSTALL PERMANENT IMPACT ATTENUATOR. MODEL SHALL BE 24" WIDTH QUADGUARD ELITE M10 (8-BAY) IMPACT ATTENUATOR OR APPROVED EQUAL.

transpogroup **7**
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203 (TEL) 425 821-3555
KIRKLAND, WASHINGTON 98034 (FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

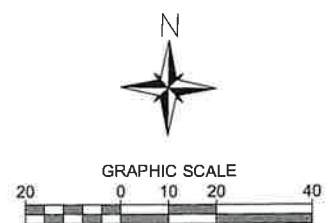
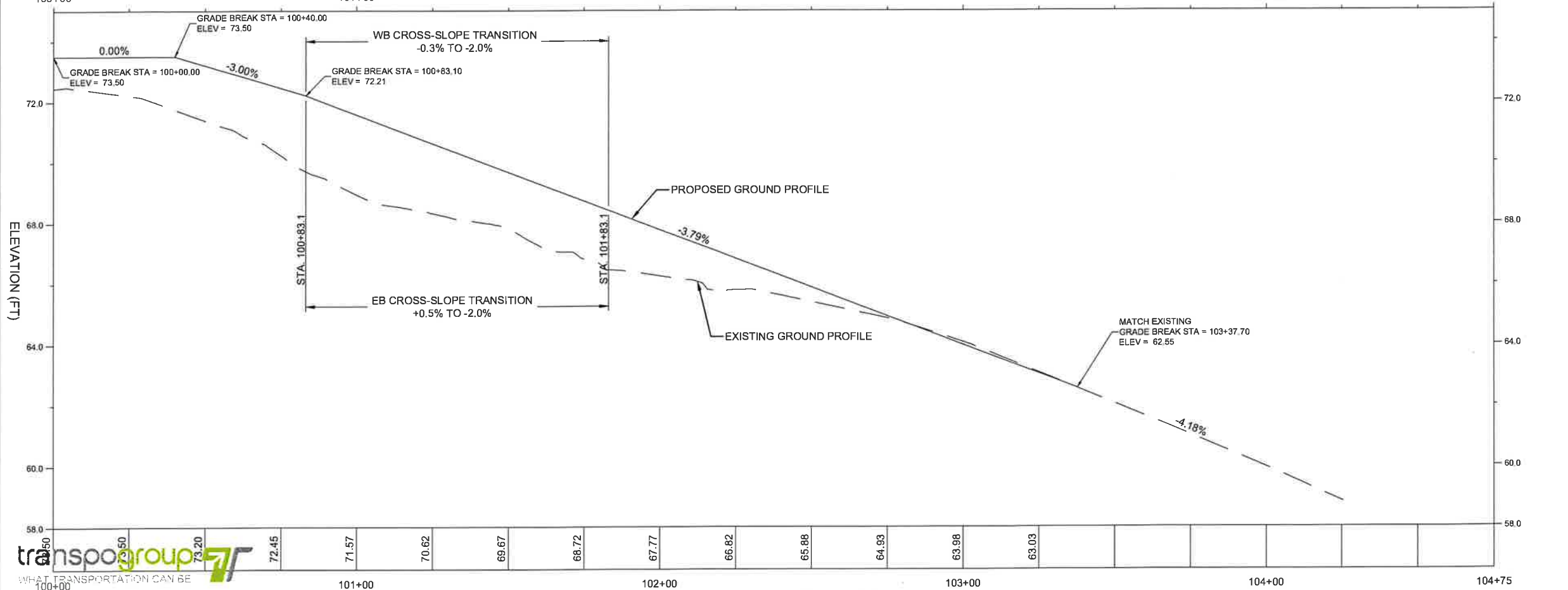
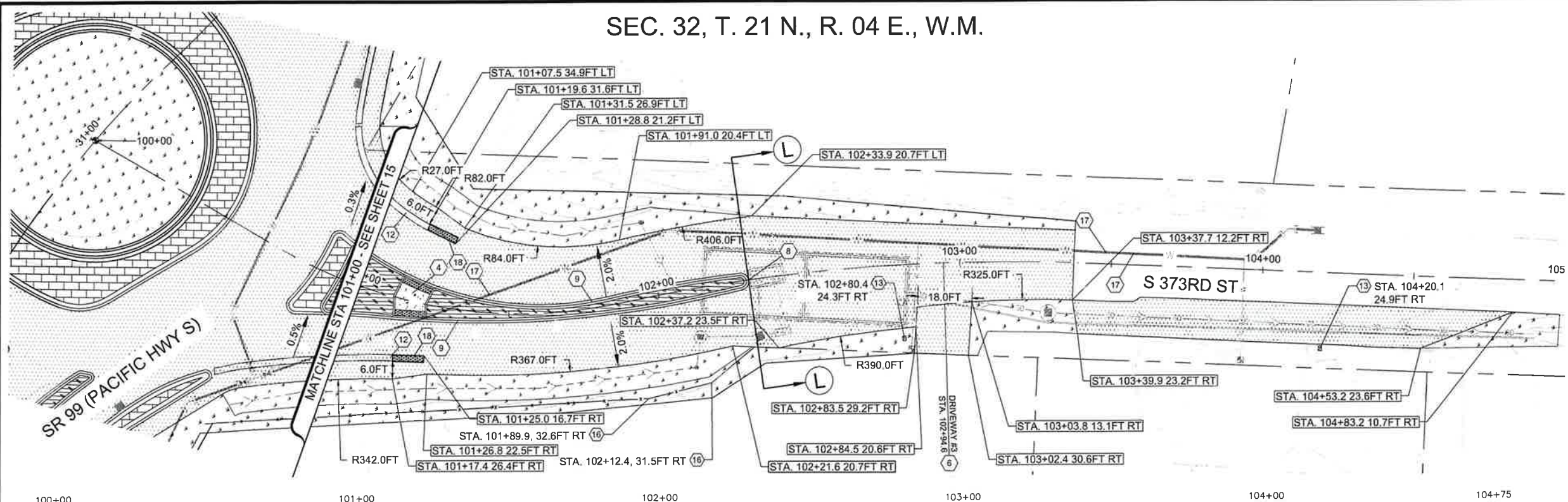
ROADWAY PLAN AND PROFILE

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 18
OF 93

SEC. 32, T. 21 N., R. 04 E., W.M.



- LEGEND**
- RIGHT-OF-WAY
 - PARCEL BOUNDARY
 - ASPHALT ROADWAY
 - DETECTABLE WARNING SURFACE
 - LANDSCAPING (SEE SHEETS 43-46)
 - CONCRETE ISLAND
 - TRUCK APRON
 - MAINTENANCE ROAD
 - CONCRETE
 - CONCRETE BARRIER

- # PAVING NOTES (THIS SHEET ONLY)**
- 4) CONSTRUCT PEDESTRIAN REFUGE WITH FULL HEIGHT CURB, SEE TRANSITION DETAIL ON SHEET 28.
 - 6) CONSTRUCT ASPHALT DRIVEWAY PER DRIVEWAY PROFILE AND NOTES ON SHEET 27. LIMITED SURVEY IN THE AREA. DRIVEWAY ALIGNMENT AND ELEVATION SHALL BE STAKED AND APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
 - 8) CONSTRUCT ROUNDABOUT SPLITTER ISLAND NOSING CURB PER WSDOT STANDARD PLAN F-10.18.
 - 9) CONSTRUCT ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.18. SEE SHEETS 20-26 FOR HORIZONTAL AND VERTICAL DETAILS.
 - 12) CONSTRUCT MODIFIED ROUNDABOUT CEMENT CONCRETE CURB PER DETAIL ON SHEET 28.
 - 13) INSTALL EXISTING MAILBOX ON NEW MAILBOX SUPPORT TYPE 1 PER WSDOT STANDARD PLAN H-70.10.
 - 16) RELOCATE EXISTING FENCE.
 - 17) WATER UTILITY IMPROVEMENTS, SEE BID SCHEDULE B FOR DETAILS.
 - 18) INSTALL DETECTABLE WARNING SURFACE PER WSDOT STANDARD PLAN F-45.10 AND DETAIL ON SHEET 28.

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:

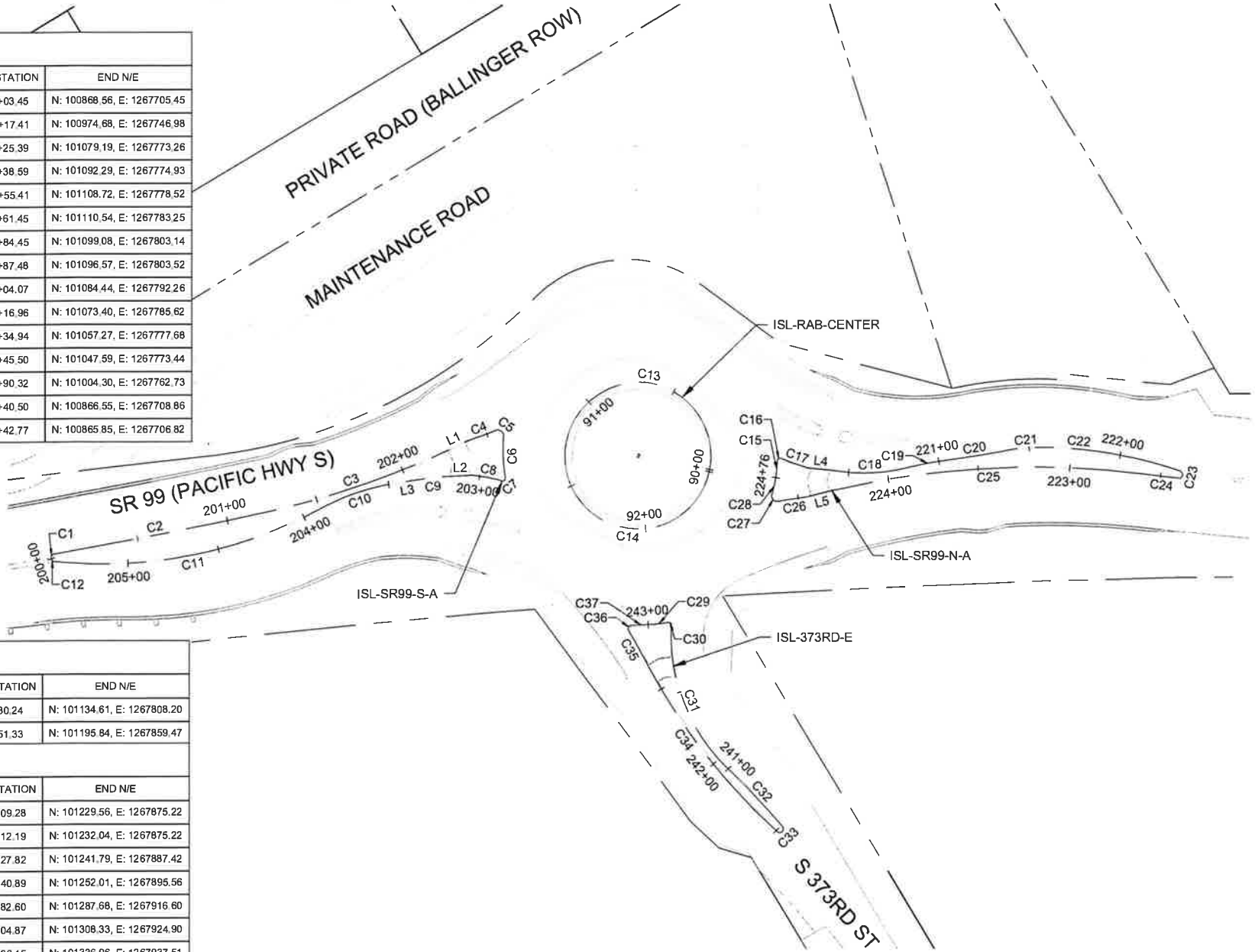


DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT		CITY PROJECT #: 36224
ROADWAY PLAN AND PROFILE		SHT. 19 OF 93

SEC. 32, T. 21 N., R. 04 E., W.M.

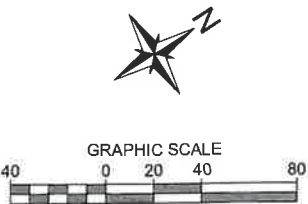
ISL-SR99-S-A							
NUMBER	RADIUS (FT)	LENGTH (FT)	LINE/CHORD DIRECTION	BEGIN STATION	BEGIN N/E	END STATION	END N/E
C1	2.00	3.45	N26° 55' 04.33"W	200+00.00	N: 100865.85, E: 1267706.82	200+03.45	N: 100868.56, E: 1267705.45
C2	3001.00	113.97	N21° 22' 34.34"E	200+03.45	N: 100868.56, E: 1267705.45	201+17.41	N: 100974.68, E: 1267746.98
C3	501.00	107.98	N14° 06' 50.19"E	201+17.41	N: 100974.68, E: 1267746.98	202+25.39	N: 101079.19, E: 1267773.26
L1		13.20	N7° 15' 06.73"E	202+25.39	N: 101079.19, E: 1267773.26	202+38.59	N: 101092.29, E: 1267774.93
C4	500.00	16.82	N12° 19' 24.34"E	202+38.59	N: 101092.29, E: 1267774.93	202+55.41	N: 101108.72, E: 1267778.52
C5	3.00	6.03	N68° 56' 53.15"E	202+55.41	N: 101108.72, E: 1267778.52	202+61.45	N: 101110.54, E: 1267783.25
C6	100.00	23.00	S60° 03' 13.41"E	202+61.45	N: 101110.54, E: 1267783.25	202+84.45	N: 101099.08, E: 1267803.14
C7	1.50	3.03	S8° 42' 40.47"E	202+84.45	N: 101099.08, E: 1267803.14	202+87.48	N: 101096.57, E: 1267803.52
C8	75.00	16.59	S42° 53' 09.43"W	202+87.48	N: 101096.57, E: 1267803.52	203+04.07	N: 101084.44, E: 1267792.26
L2		12.89	S31° 00' 51.61"W	203+04.07	N: 101084.44, E: 1267792.26	203+16.96	N: 101073.40, E: 1267785.62
C9	205.00	17.98	S26° 11' 56.52"W	203+16.96	N: 101073.40, E: 1267785.62	203+34.94	N: 101057.27, E: 1267777.68
L3		10.56	S23° 41' 08.81"W	203+34.94	N: 101057.27, E: 1267777.68	203+45.50	N: 101047.59, E: 1267773.44
C10	131.00	44.82	S13° 53' 04.08"W	203+45.50	N: 101047.59, E: 1267773.44	203+90.32	N: 101004.30, E: 1267762.73
C11	249.00	150.18	S21° 21' 41.32"W	203+90.32	N: 101004.30, E: 1267762.73	205+40.50	N: 100866.55, E: 1267708.86
C12	2.00	2.27	S71° 10' 11.85"W	205+40.50	N: 100866.55, E: 1267708.86	205+42.77	N: 100865.85, E: 1267706.82



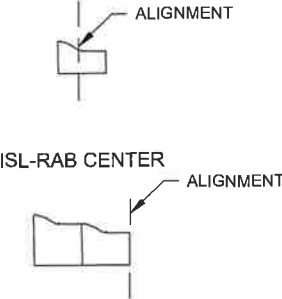
ISL-RAB-CENTER							
NUMBER	RADIUS (FT)	LENGTH (FT)	LINE/CHORD DIRECTION	BEGIN STATION	BEGIN N/E	END STATION	END N/E
C13	40.00	130.24	S39° 56' 22.56"W	90+00.00	N: 101195.84, E: 1267859.47	91+30.24	N: 101134.61, E: 1267808.20
C14	40.00	121.08	N39° 56' 22.56"E	91+30.24	N: 101134.61, E: 1267808.20	92+51.33	N: 101195.84, E: 1267859.47

ISL-SR99-N-A							
NUMBER	RADIUS (FT)	LENGTH (FT)	LINE/CHORD DIRECTION	BEGIN STATION	BEGIN N/E	END STATION	END N/E
C15	77.00	9.28	N52° 00' 09.49"W	220+00.00	N: 101223.85, E: 1267882.52	220+09.28	N: 101229.56, E: 1267875.22
C16	1.50	2.91	N0° 05' 02.79"E	220+09.28	N: 101229.56, E: 1267875.22	220+12.19	N: 101232.04, E: 1267875.22
C17	105.00	15.63	N51° 21' 33.22"E	220+12.19	N: 101232.04, E: 1267875.22	220+27.82	N: 101241.79, E: 1267887.42
L4		13.07	N38° 32' 21.89"E	220+27.82	N: 101241.79, E: 1267887.42	220+40.89	N: 101252.01, E: 1267895.56
C18	101.00	41.71	N30° 32' 09.30"E	220+40.89	N: 101252.01, E: 1267895.56	220+82.60	N: 101287.68, E: 1267916.60
C19	200.00	22.27	N21° 53' 40.70"E	220+82.60	N: 101287.68, E: 1267916.60	221+04.87	N: 101308.33, E: 1267924.90
C20	685.50	31.28	N23° 46' 37.17"E	221+04.87	N: 101308.33, E: 1267924.90	221+36.15	N: 101336.96, E: 1267937.51
C21	120.00	23.87	N28° 10' 07.14"E	221+36.15	N: 101336.96, E: 1267937.51	221+60.02	N: 101357.97, E: 1267948.76
C22	237.00	74.20	N42° 50' 11.11"E	221+60.02	N: 101357.97, E: 1267948.76	222+34.22	N: 101412.15, E: 1267999.01
C23	2.00	5.83	S44° 39' 06.68"E	222+34.22	N: 101412.15, E: 1267999.01	222+40.05	N: 101409.33, E: 1268001.80
C24	799.00	17.77	S39° 31' 41.96"W	222+40.05	N: 101409.33, E: 1268001.80	222+57.83	N: 101395.62, E: 1267990.49
C25	476.00	173.42	S29° 43' 42.33"W	222+57.83	N: 101395.62, E: 1267990.49	224+31.25	N: 101245.85, E: 1267904.96
L5		13.19	S18° 33' 58.93"W	224+31.25	N: 101245.85, E: 1267904.96	224+44.43	N: 101233.36, E: 1267900.77
C26	475.00	16.61	S23° 39' 03.65"W	224+44.43	N: 101233.36, E: 1267900.77	224+61.04	N: 101218.14, E: 1267894.10
C27	3.00	6.06	S80° 30' 09.29"W	224+61.04	N: 101218.14, E: 1267894.10	224+67.10	N: 101217.31, E: 1267889.09
C28	77.00	9.28	N45° 05' 49.40"W	224+67.10	N: 101217.31, E: 1267889.09	224+76.38	N: 101223.85, E: 1267882.52

ISL-373RD-E							
NUMBER	RADIUS (FT)	LENGTH (FT)	LINE/CHORD DIRECTION	BEGIN STATION	BEGIN N/E	END STATION	END N/E
C29	115.75	10.12	N25° 20' 36.45"E	240+00.00	N: 101122.93, E: 1267913.39	240+10.12	N: 101132.08, E: 1267917.72
C30	1.50	2.69	N74° 08' 38.72"E	240+10.12	N: 101132.08, E: 1267917.72	240+12.81	N: 101132.71, E: 1267919.97
C31	101.00	86.97	S79° 13' 05.83"E	240+12.81	N: 101132.71, E: 1267919.97	240+99.78	N: 101116.94, E: 1268002.79
C32	400.00	43.45	N79° 13' 31.33"E	240+99.78	N: 101116.94, E: 1268002.79	241+43.22	N: 101125.06, E: 1268045.45
C33	2.00	6.02	S11° 21' 56.70"E	241+43.22	N: 101125.06, E: 1268045.45	241+49.25	N: 101121.15, E: 1268046.23
C34	349.00	118.55	S84° 39' 46.33"W	241+49.25	N: 101121.15, E: 1268046.23	242+67.80	N: 101110.17, E: 1267928.76
C35	351.00	18.88	N87° 08' 43.93"W	242+67.80	N: 101110.17, E: 1267928.76	242+86.68	N: 101111.11, E: 1267909.91
C36	2.00	4.24	N27° 54' 50.48"W	242+86.68	N: 101111.11, E: 1267909.91	242+90.93	N: 101114.20, E: 1267908.27
C37	115.75	10.12	N30° 21' 12.86"E	242+90.93	N: 101114.20, E: 1267908.27	243+01.05	N: 101122.93, E: 1267913.39



ISL-SR99-S-A, ISL-373RD-E, ISL-SR99-N-A



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3685
(FAX) 425 825-8434



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

CURB ALIGNMENT

BID SUBMITTAL

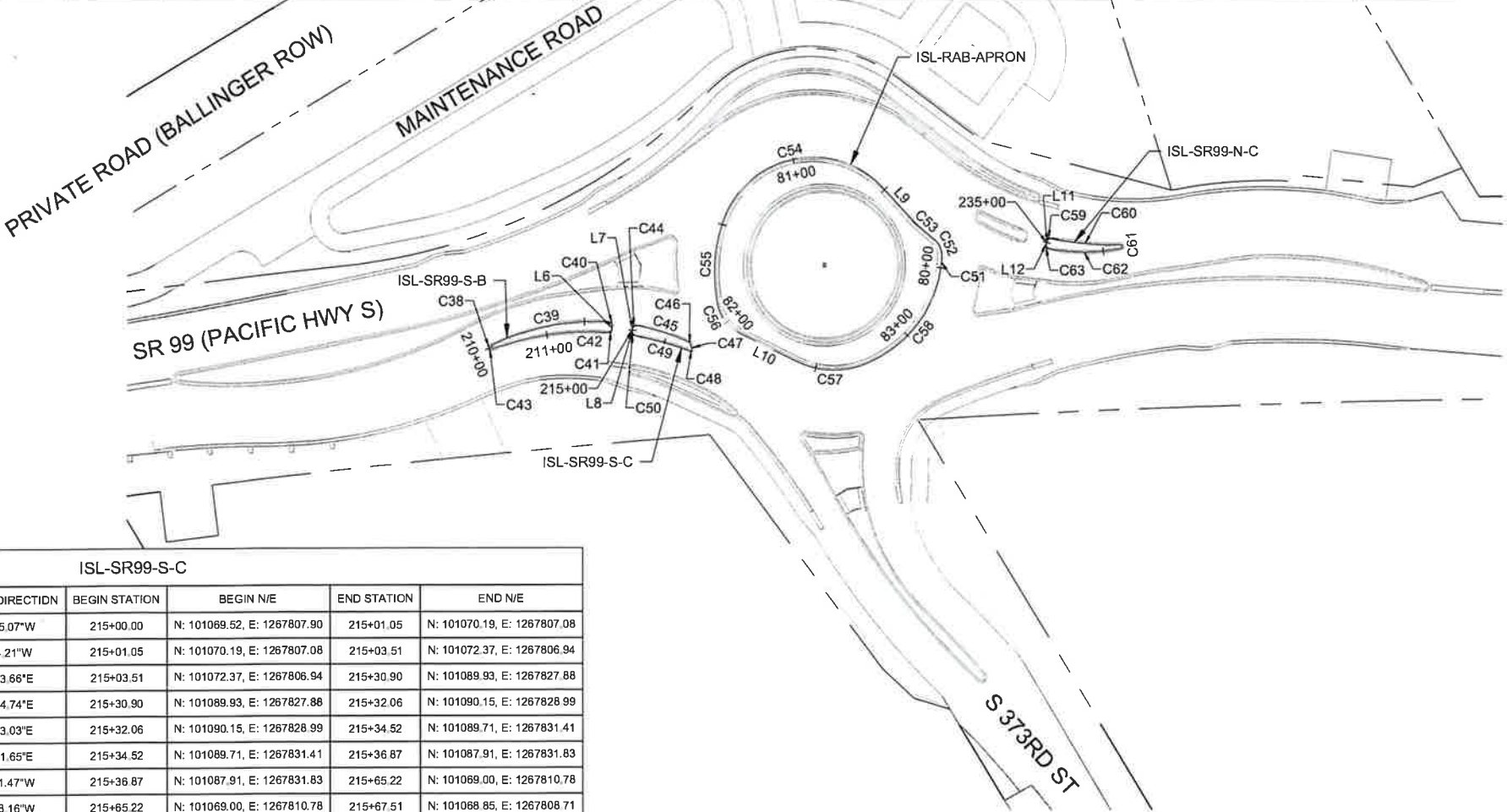
CITY PROJECT #:
36224

SHT. 20
OF 93

SEC. 32, T. 21 N., R. 04 E., W.M.

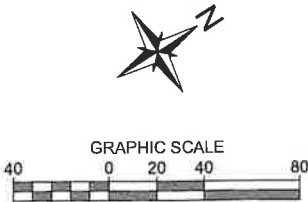
ISL-SR99-S-B							
NUMBER	RADIUS (FT)	LENGTH (FT)	LINE/CHORD DIRECTION	BEGIN STATION	BEGIN N/E	END STATION	END N/E
C38	1.00	1.52	N37° 34' 12.65"W	210+00.00	N: 101005.04, E: 1267777.52	210+01.52	N: 101006.13, E: 1267776.68
C39	114.25	60.94	N21° 14' 50.87"E	210+01.52	N: 101006.13, E: 1267776.68	210+62.46	N: 101062.26, E: 1267798.51
C40	1.50	2.43	N83° 01' 17.91"E	210+62.46	N: 101062.26, E: 1267798.51	210+64.89	N: 101062.52, E: 1267800.67
L6		2.21	S60° 29' 05.07"E	210+64.89	N: 101062.52, E: 1267800.67	210+67.11	N: 101061.11, E: 1267802.37
C41	1.50	2.28	S8° 54' 53.99"E	210+67.11	N: 101061.11, E: 1267802.37	210+69.39	N: 101059.08, E: 1267802.62
C42	135.75	58.84	S24° 14' 11.97"W	210+69.39	N: 101059.08, E: 1267802.62	211+28.23	N: 101005.82, E: 1267778.66
C43	1.00	1.52	S55° 21' 20.34"W	211+28.23	N: 101005.82, E: 1267778.66	211+29.75	N: 101005.04, E: 1267777.52

ISL-SR99-N-C							
NUMBER	RADIUS (FT)	LENGTH (FT)	LINE/CHORD DIRECTION	BEGIN STATION	BEGIN N/E	END STATION	END N/E
L11		1.22	N42° 12' 26.92"W	235+00.00	N: 101265.23, E: 1267881.73	235+01.22	N: 101266.13, E: 1267880.91
C59	1.50	2.28	N1° 21' 41.04"E	235+01.22	N: 101266.13, E: 1267880.91	235+03.50	N: 101268.20, E: 1267880.96
C60	140.75	34.73	N37° 51' 42.80"E	235+03.50	N: 101268.20, E: 1267880.96	235+38.23	N: 101295.55, E: 1267902.22
C61	1.00	2.99	S63° 37' 56.26"E	235+38.23	N: 101295.55, E: 1267902.22	235+41.22	N: 101294.66, E: 1267904.00
C62	99.25	36.14	S32° 22' 21.06"W	235+41.22	N: 101294.66, E: 1267904.00	235+77.36	N: 101264.31, E: 1267884.76
C63	1.50	2.49	N89° 42' 07.83"W	235+77.36	N: 101264.31, E: 1267884.76	235+79.84	N: 101264.32, E: 1267882.55
L12		1.22	N42° 12' 26.92"W	235+79.84	N: 101264.32, E: 1267882.55	235+81.06	N: 101265.23, E: 1267881.73

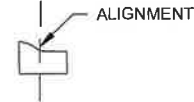


ISL-SR99-S-C							
NUMBER	RADIUS (FT)	LENGTH (FT)	LINE/CHORD DIRECTION	BEGIN STATION	BEGIN N/E	END STATION	END N/E
L7		1.05	N50° 29' 05.07"W	215+00.00	N: 101069.52, E: 1267807.90	215+01.05	N: 101070.19, E: 1267807.08
C44	1.50	2.45	N3° 40' 24.21"W	215+01.05	N: 101070.19, E: 1267807.08	215+03.51	N: 101072.37, E: 1267806.94
C45	114.25	27.39	N50° 00' 23.66"E	215+03.51	N: 101072.37, E: 1267806.94	215+30.90	N: 101089.93, E: 1267827.88
C46	1.50	1.16	N78° 58' 54.74"E	215+30.90	N: 101089.93, E: 1267827.88	215+32.06	N: 101090.15, E: 1267828.99
C47	98.50	2.47	S79° 37' 43.03"E	215+32.06	N: 101090.15, E: 1267828.99	215+34.52	N: 101089.71, E: 1267831.41
C48	1.00	2.35	S13° 08' 51.65"E	215+34.52	N: 101089.71, E: 1267831.41	215+36.87	N: 101087.91, E: 1267831.83
C49	135.75	28.35	S48° 04' 01.47"W	215+36.87	N: 101087.91, E: 1267831.83	215+65.22	N: 101069.00, E: 1267810.78
C50	1.50	2.29	S85° 47' 58.16"W	215+65.22	N: 101069.00, E: 1267810.78	215+67.51	N: 101068.85, E: 1267808.71
L8		1.05	N50° 29' 05.07"W	215+67.51	N: 101068.85, E: 1267808.71	215+68.56	N: 101069.52, E: 1267807.90

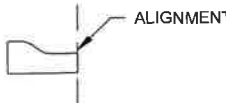
ISL-RAB-APRON							
NUMBER	RADIUS (FT)	LENGTH (FT)	LINE/CHORD DIRECTION	BEGIN STATION	BEGIN N/E	END STATION	END N/E
C51	60.00	5.79	N62° 13' 15.32"W	80+00.00	N: 101214.51, E: 1267864.33	80+05.79	N: 101218.06, E: 1267859.75
C52	10.00	9.61	N82° 31' 32.28"W	80+05.79	N: 101218.06, E: 1267859.75	80+15.41	N: 101219.26, E: 1267850.58
C53	100.00	17.37	S74° 54' 42.64"W	80+15.41	N: 101219.26, E: 1267850.58	80+32.78	N: 101214.75, E: 1267833.83
L9		18.56	S79° 53' 16.66"W	80+32.78	N: 101214.75, E: 1267833.83	80+51.34	N: 101211.49, E: 1267815.55
C54	47.00	98.66	S19° 45' 04.20"W	80+51.34	N: 101211.49, E: 1267815.55	81+50.00	N: 101134.77, E: 1267788.01
C55	80.00	40.14	S34° 45' 30.77"E	81+50.00	N: 101134.77, E: 1267788.01	81+90.14	N: 101111.85, E: 1267820.44
C56	20.00	18.26	N84° 42' 26.69"E	81+90.14	N: 101111.85, E: 1267820.44	82+08.40	N: 101113.48, E: 1267838.01
L10		32.05	N58° 32' 46.65"E	82+08.40	N: 101113.48, E: 1267838.01	82+40.45	N: 101130.20, E: 1267865.35
C57	41.00	33.76	N34° 57' 28.70"E	82+40.45	N: 101130.20, E: 1267865.35	82+74.21	N: 101157.09, E: 1267884.15
C58	60.00	63.60	N18° 59' 41.46"W	82+74.21	N: 101157.09, E: 1267884.15	83+37.81	N: 101214.45, E: 1267864.40



ISL-SR99-S-B, ISL-SR99-N-B, ISL-SR99-N-C



ISL-RAB APRON



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

CURB ALIGNMENT

BID SUBMITTAL

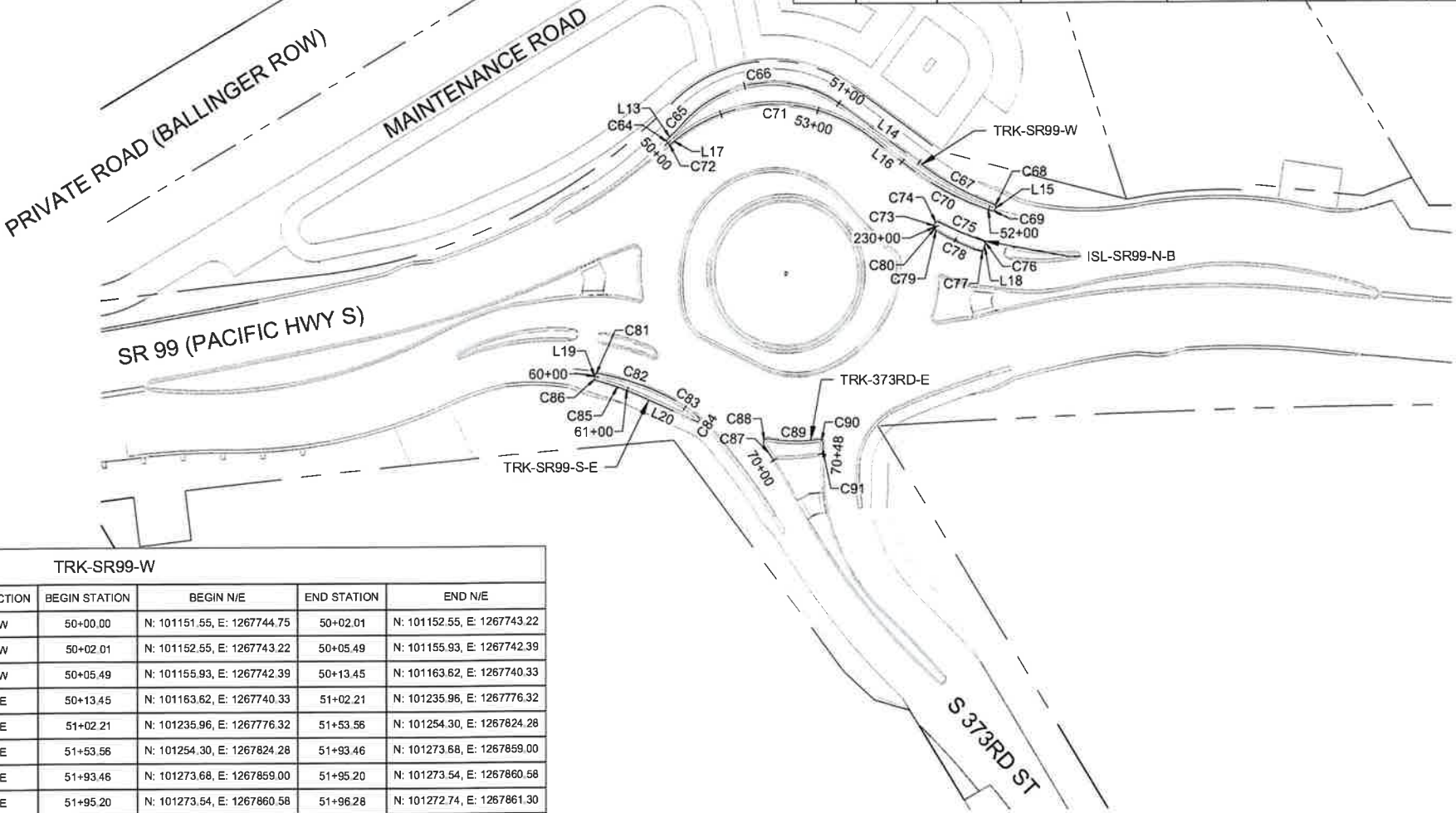
CITY PROJECT #:
36224

SHT. 21
OF 93

SEC. 32, T. 21 N., R. 04 E., W.M.

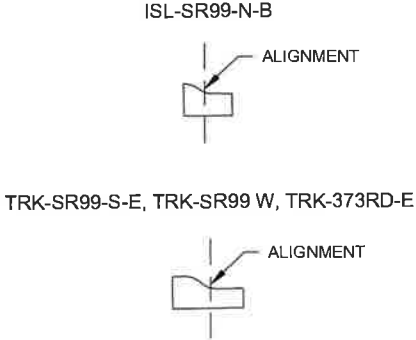
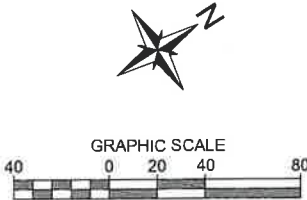
TRK-SR99-S-E							
NUMBER	RADIUS (FT)	LENGTH (FT)	LINE/CHORD DIRECTION	BEGIN STATION	BEGIN N/E	END STATION	END N/E
L19		0.29	N42° 38' 33.82"W	60+00.00	N: 101058.01, E: 1267823.65	60+00.29	N: 101058.23, E: 1267823.45
C81	1.67	2.49	N0° 11' 53.25"E	60+00.29	N: 101058.23, E: 1267823.45	60+02.78	N: 101060.49, E: 1267823.46
C82	129.17	35.79	N50° 58' 35.32"E	60+02.78	N: 101060.49, E: 1267823.46	60+38.57	N: 101082.95, E: 1267851.17
C83	74.17	19.96	N66° 37' 26.97"E	60+38.57	N: 101082.95, E: 1267851.17	60+58.53	N: 101090.85, E: 1267869.44
C84	1.17	3.32	S24° 13' 31.02"E	60+58.53	N: 101090.85, E: 1267869.44	60+61.85	N: 101088.75, E: 1267870.39
L20		32.41	S57° 12' 54.32"W	60+61.85	N: 101088.75, E: 1267870.39	60+94.26	N: 101071.20, E: 1267843.14
C85	124.58	21.71	S52° 13' 23.00"W	60+94.26	N: 101071.20, E: 1267843.14	61+15.97	N: 101057.92, E: 1267826.01
C86	1.67	2.62	N87° 42' 23.23"W	61+15.97	N: 101057.92, E: 1267826.01	61+18.59	N: 101058.01, E: 1267823.65

ISL-SR99-N-B							
NUMBER	RADIUS (FT)	LENGTH (FT)	LINE/CHORD DIRECTION	BEGIN STATION	BEGIN N/E	END STATION	END N/E
C73	78.50	0.90	N70° 06' 17.48"W	230+00.00	N: 101242.55, E: 1267852.53	230+00.90	N: 101242.86, E: 1267851.69
C74	1.50	3.42	N5° 09' 34.75"W	230+00.90	N: 101242.86, E: 1267851.69	230+04.32	N: 101245.57, E: 1267851.44
C75	140.75	24.43	N55° 08' 27.35"E	230+04.32	N: 101245.57, E: 1267851.44	230+28.75	N: 101259.52, E: 1267871.46
C76	1.50	2.29	S86° 01' 10.49"E	230+28.75	N: 101259.52, E: 1267871.46	230+31.04	N: 101259.37, E: 1267873.54
L18		2.66	S42° 12' 26.92"E	230+31.04	N: 101259.37, E: 1267873.54	230+33.70	N: 101257.40, E: 1267875.32
C77	1.50	2.43	S4° 08' 41.01"W	230+33.70	N: 101257.40, E: 1267875.32	230+36.12	N: 101255.24, E: 1267875.17
C78	99.25	24.06	S57° 22' 27.68"W	230+36.12	N: 101255.24, E: 1267875.17	230+60.18	N: 101242.30, E: 1267854.95
C79	2.00	1.63	S87° 35' 55.65"W	230+60.18	N: 101242.30, E: 1267854.95	230+61.81	N: 101242.24, E: 1267853.37
C80	78.50	0.90	N69° 26' 55.92"W	230+61.81	N: 101242.24, E: 1267853.37	230+62.71	N: 101242.55, E: 1267852.53



TRK-SR99-W							
NUMBER	RADIUS (FT)	LENGTH (FT)	LINE/CHORD DIRECTION	BEGIN STATION	BEGIN N/E	END STATION	END N/E
C84	1.33	2.01	N56° 56' 58.81"W	50+00.00	N: 101151.55, E: 1267744.75	50+02.01	N: 101152.55, E: 1267743.22
L13		3.48	N13° 49' 17.66"W	50+02.01	N: 101152.55, E: 1267743.22	50+05.49	N: 101155.93, E: 1267742.39
C85	198.83	7.96	N15° 01' 07.42"W	50+05.49	N: 101155.93, E: 1267742.39	50+13.45	N: 101163.62, E: 1267740.33
C86	59.67	88.76	N26° 27' 05.16"E	50+13.45	N: 101163.62, E: 1267740.33	51+02.21	N: 101235.96, E: 1267776.32
L14		51.35	N69° 04' 06.88"E	51+02.21	N: 101235.96, E: 1267776.32	51+53.56	N: 101254.30, E: 1267824.28
C67	138.83	39.90	N60° 50' 07.63"E	51+53.56	N: 101254.30, E: 1267824.28	51+93.46	N: 101273.68, E: 1267859.00
C68	1.17	1.73	S84° 48' 09.27"E	51+93.46	N: 101273.68, E: 1267859.00	51+95.20	N: 101273.54, E: 1267860.58
L15		1.08	S42° 12' 26.92"E	51+95.20	N: 101273.54, E: 1267860.58	51+96.28	N: 101272.74, E: 1267861.30
C69	1.17	1.89	S4° 05' 25.53"W	51+96.28	N: 101272.74, E: 1267861.30	51+98.16	N: 101271.05, E: 1267861.18
C70	139.17	49.05	S60° 29' 07.22"W	51+98.16	N: 101271.05, E: 1267861.18	52+47.21	N: 101247.01, E: 1267818.72
L16		22.39	S70° 34' 56.45"W	52+47.21	N: 101247.01, E: 1267818.72	52+69.61	N: 101239.57, E: 1267797.60
C71	78.83	105.56	S32° 13' 24.42"W	52+69.61	N: 101239.57, E: 1267797.60	53+75.16	N: 101156.79, E: 1267745.43
L17		3.80	S8° 20' 02.32"E	53+75.16	N: 101156.79, E: 1267745.43	53+78.97	N: 101153.01, E: 1267745.84
C72	1.33	2.01	S36° 47' 38.85"W	53+78.97	N: 101153.01, E: 1267745.84	53+80.98	N: 101151.55, E: 1267744.75

TRK-373RD-E							
NUMBER	RADIUS (FT)	LENGTH (FT)	LINE/CHORD DIRECTION	BEGIN STATION	BEGIN N/E	END STATION	END N/E
C87	351.08	8.98	N69° 44' 25.38"W	70+00.00	N: 101111.24, E: 1267907.94	70+08.98	N: 101111.28, E: 1267898.96
C88	2.17	5.06	N23° 38' 43.84"W	70+08.98	N: 101111.28, E: 1267898.96	70+14.04	N: 101114.93, E: 1267897.37
C89	73.33	25.27	N33° 22' 36.44"E	70+14.04	N: 101114.93, E: 1267897.37	70+39.31	N: 101135.93, E: 1267911.20
C90	2.17	4.00	N76° 23' 22.50"E	70+39.31	N: 101135.93, E: 1267911.20	70+43.31	N: 101136.74, E: 1267914.56
C91	101.08	5.01	S52° 08' 45.43"E	70+43.31	N: 101136.74, E: 1267914.56	70+48.32	N: 101133.67, E: 1267918.51



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3655
(FAX) 425 825-8434



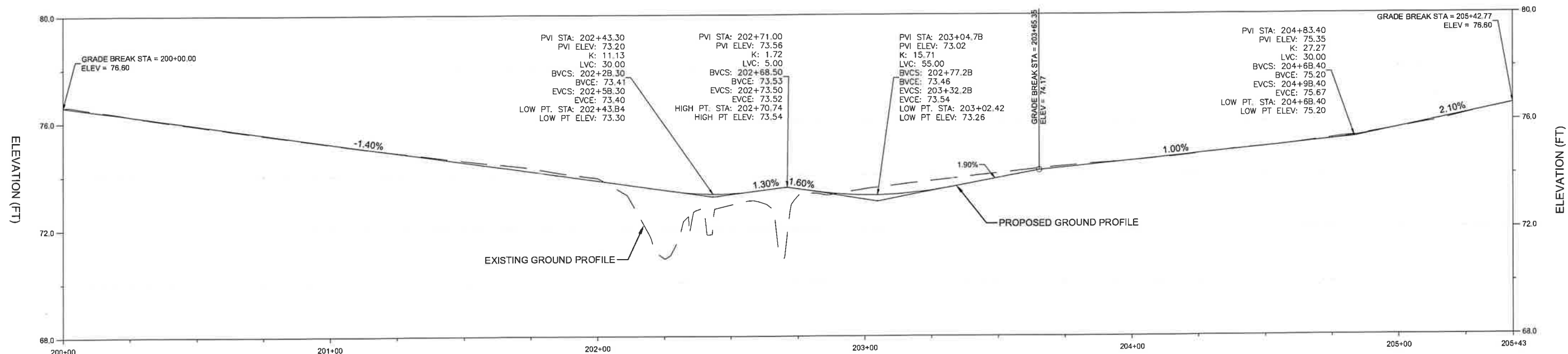
DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



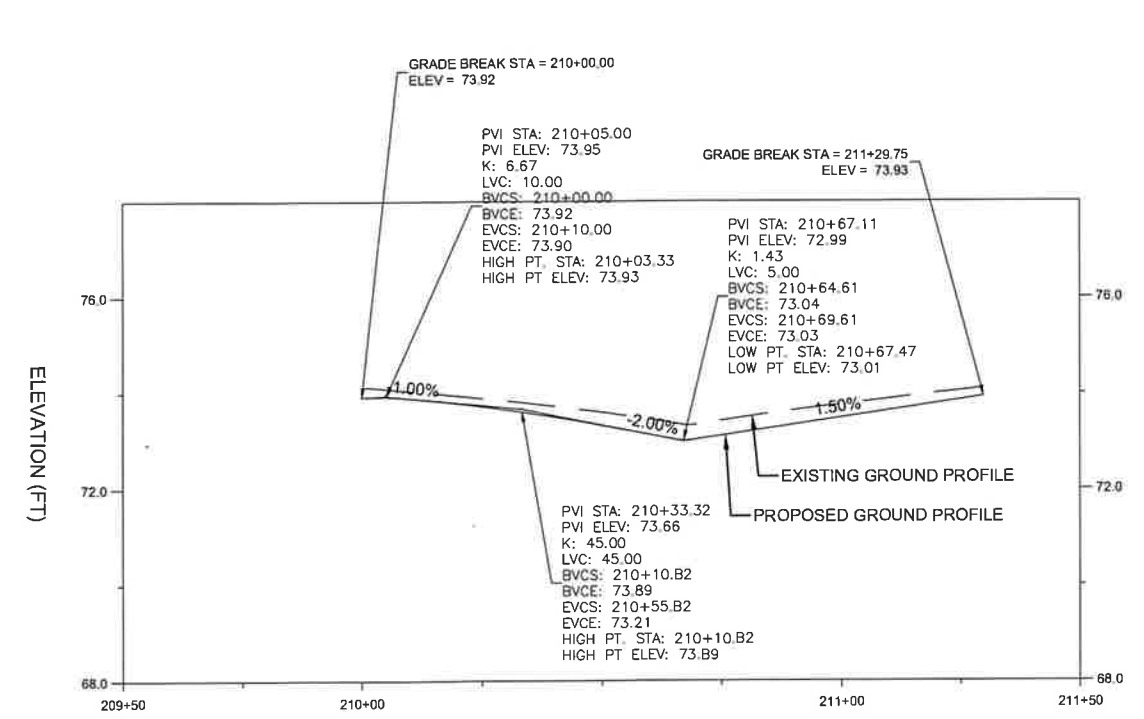
DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT
CURB ALIGNMENT

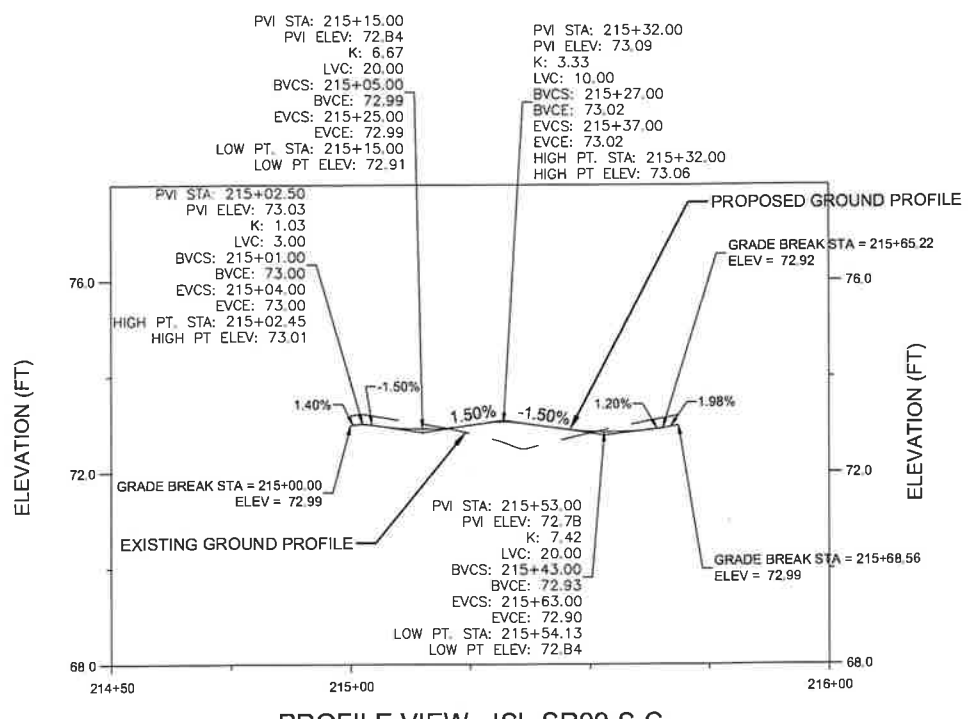
BID SUBMITTAL
CITY PROJECT #: 36224
SHT. 22
OF 93



PROFILE VIEW - ISL-SR99-S-A
STA 200+00 TO STA 205+43



PROFILE VIEW - ISL-SR99-S-B
STA 209+50 TO STA 211+50



PROFILE VIEW - ISL-SR99-S-C
STA 214+50 TO STA 216+00



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV

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

DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:

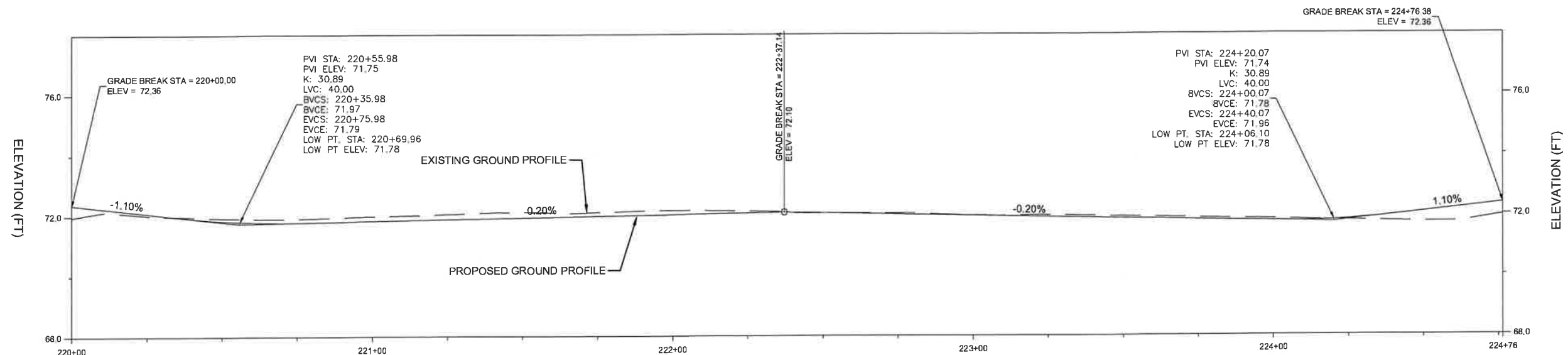


DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

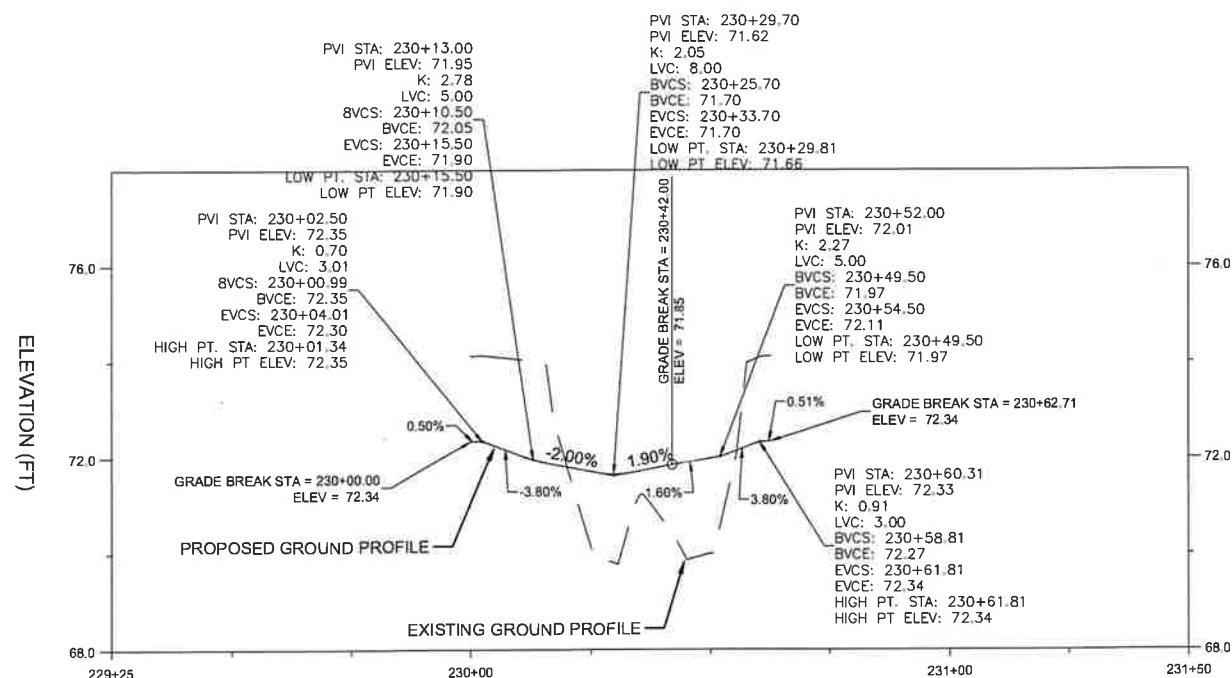
ROUNDABOUT CURB PROFILES

BID SUBMITTAL
CITY PROJECT #: 36224
SHT. 23
OF 93



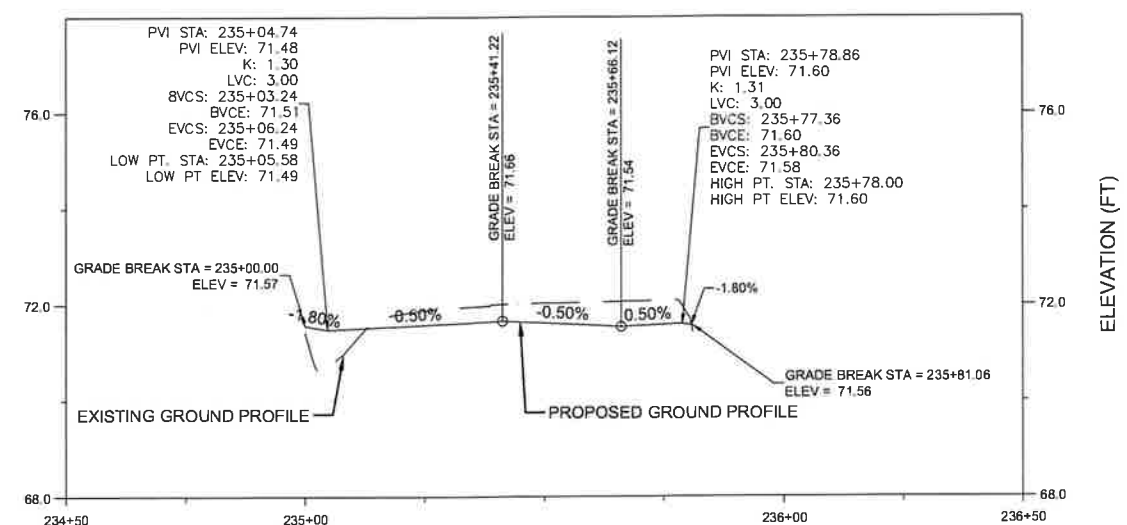
PROFILE VIEW - ISL-SR99-N-A

STA 220+00 TO STA 224+76



PROFILE VIEW - ISL-SR99-N-B

STA 229+25 TO STA 231+50

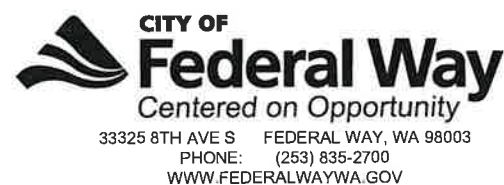


PROFILE VIEW - ISL-SR99-N-C

STA 234+50 TO STA 236+50



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

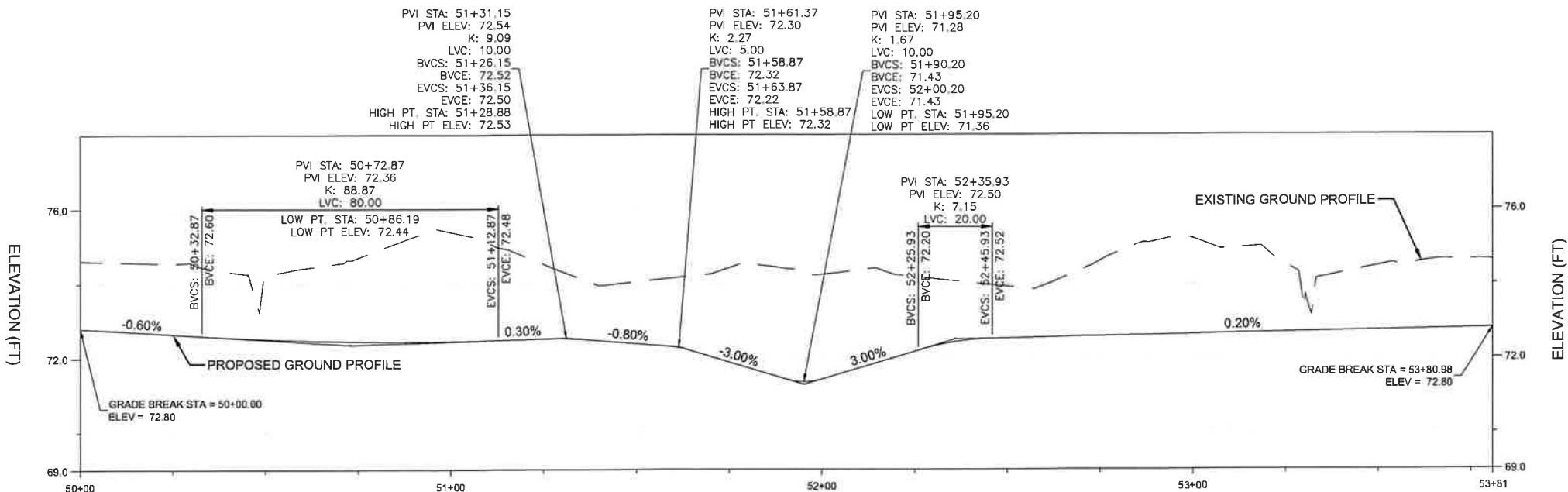
SR99 AT S 373RD ST ROUNDABOUT

ROUNDABOUT CURB PROFILES

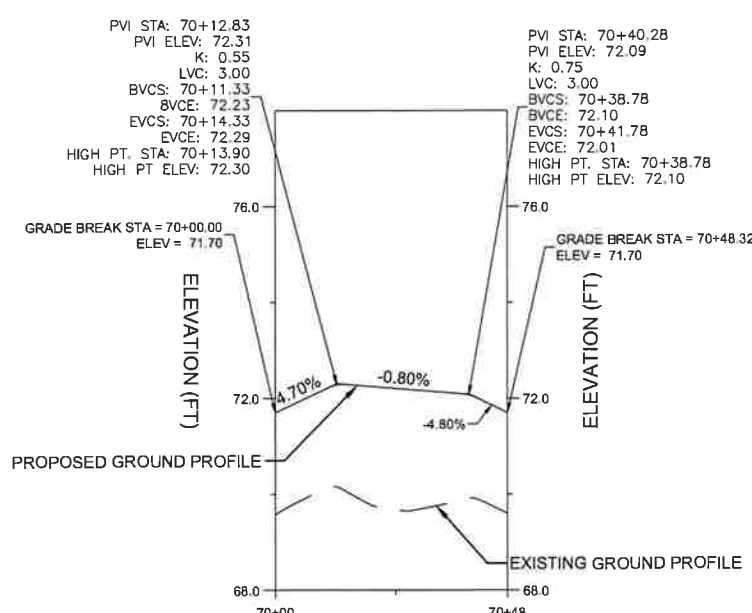
BID SUBMITTAL

CITY PROJECT #:
36224

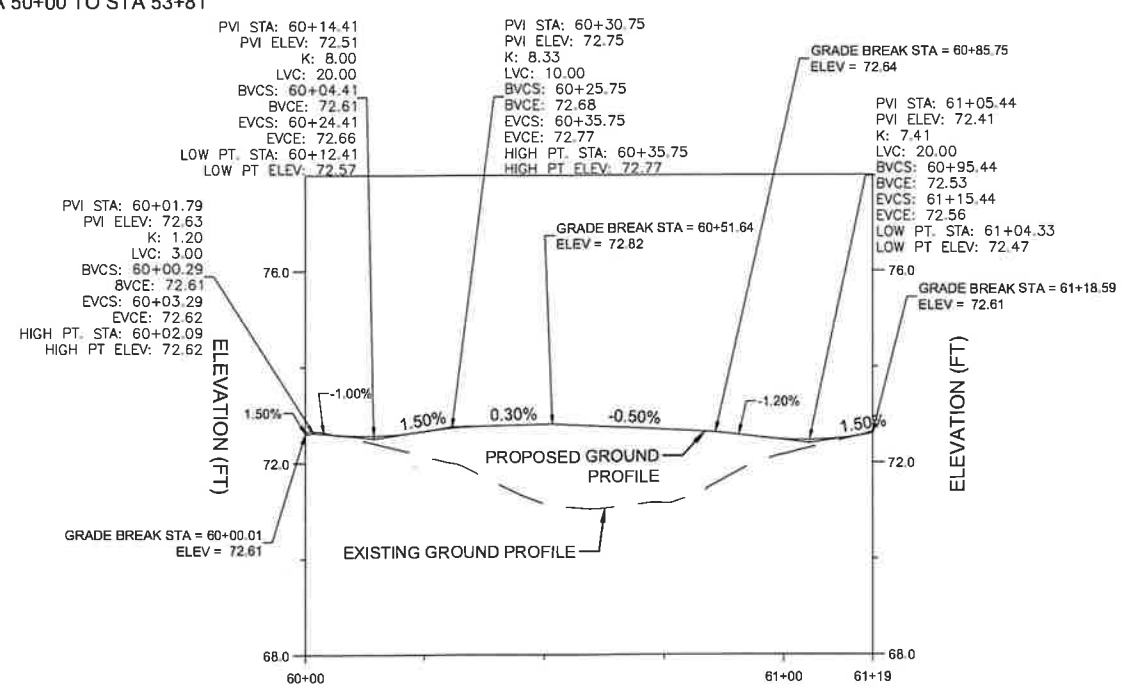
SHT. 24
OF 93



PROFILE VIEW - TRK-SR99-W
STA 50+00 TO STA 53+81



PROFILE VIEW - TRK-373RD-E
STA 70+00 TO STA 70+48



PROFILE VIEW - TRK-SR99-S-E
STA 60+00 TO STA 61+19



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3655
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:

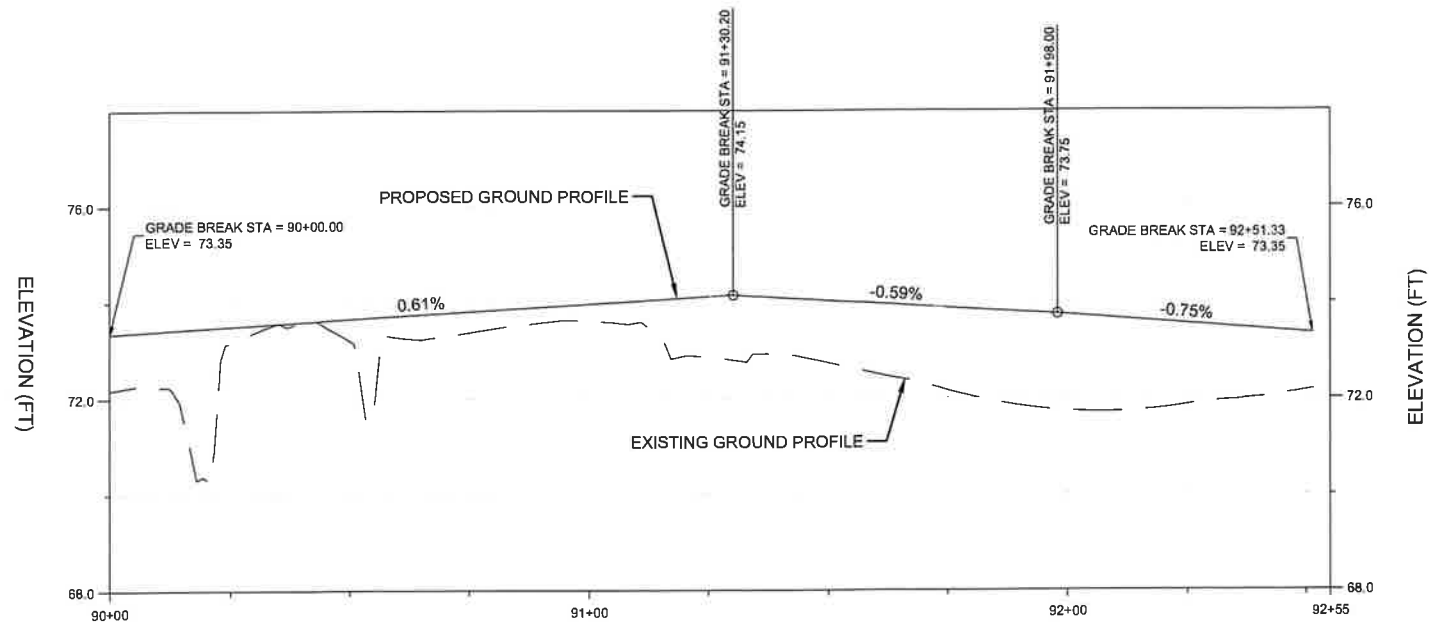


DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT		CITY PROJECT #: 36224
ROUNDABOUT CURB PROFILES		SHT. 25 OF 93

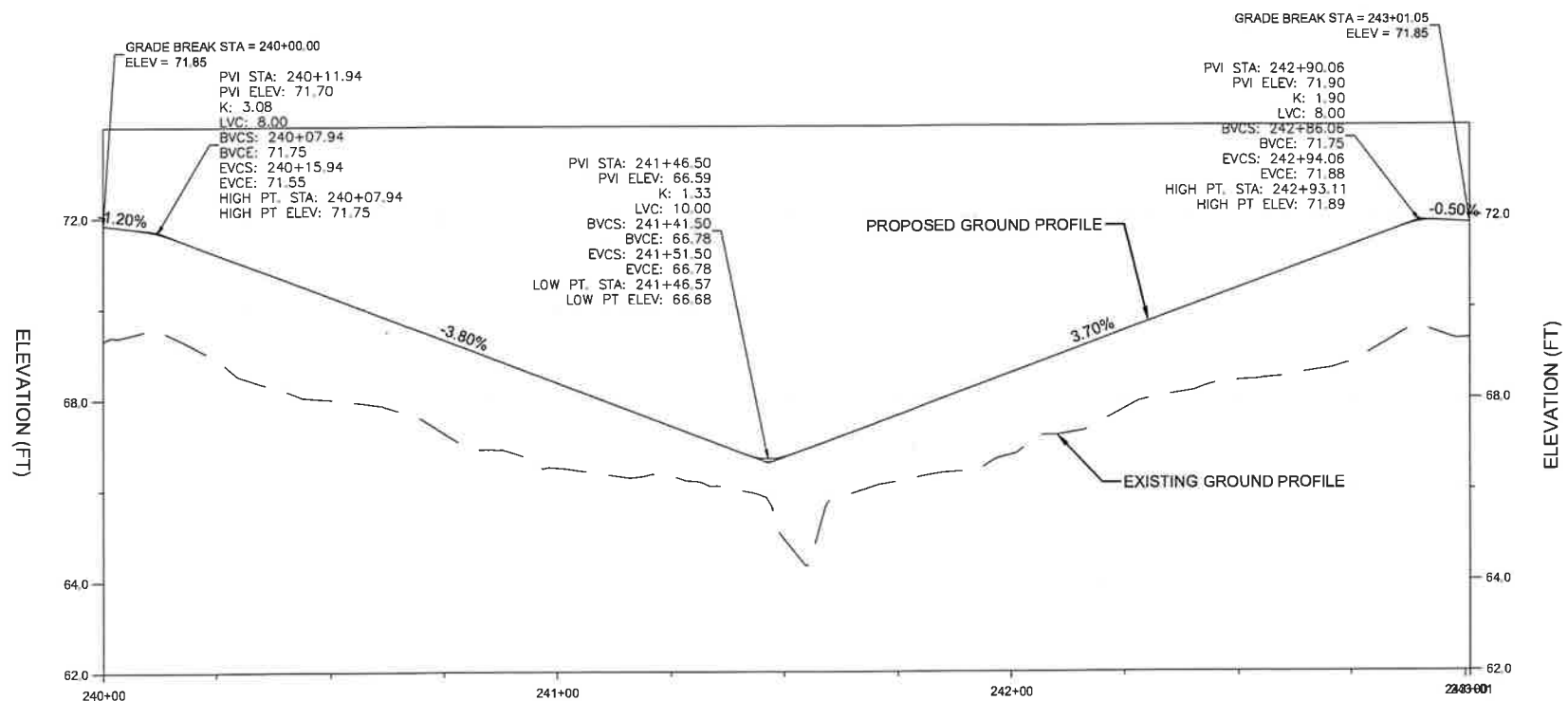
BID SUBMITTAL

\\nrc-dfs-wa\Projects\2211 22060.00 - Federal Way SR 99 at S 373rd St RAB\Engineering\CAD\Plan Sheets\22060-ROUNDABOUT-PROFILE.dwg, 8/12/2025



PROFILE VIEW - ISL-RAB-CENTER

STA 90+00 TO STA 92+55



PROFILE VIEW - ISL-373RD-E

STA 240+00 TO STA 243+01



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3655
(FAX) 425 825-8434



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

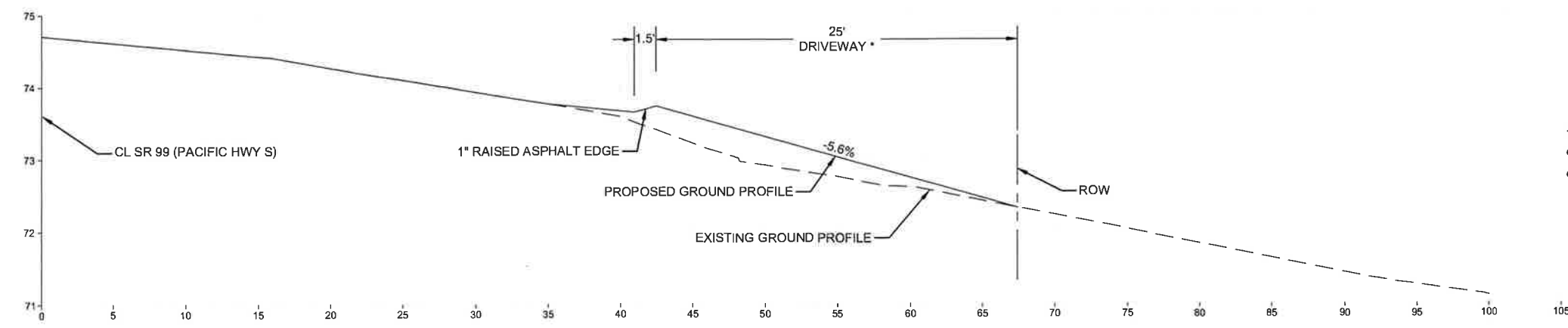
SR99 AT S 373RD ST ROUNDABOUT

ROUNDABOUT CURB PROFILES

BID SUBMITTAL

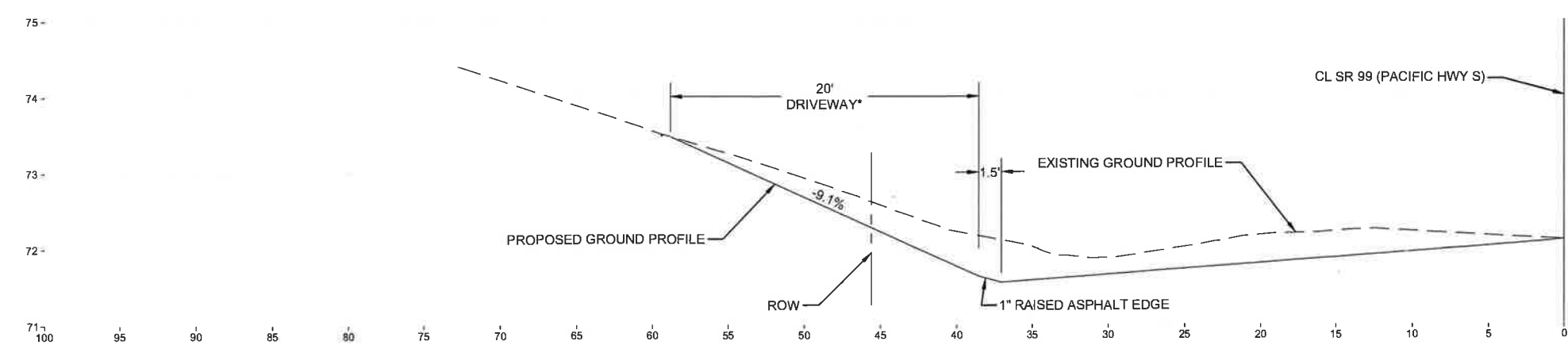
CITY PROJECT #:
36224

SHT. 26
OF 93



- NOTE TO CONTRACTOR:
1. DRIVEWAY SECTION SHALL USE THE FOLLOWING SECTION:
 - 6" CRUSHED SURFACING TOP COURSE
 - 6" HMA CL $\frac{1}{2}$ " PG 58H-22

DRIVEWAY #1
STA. 29+05.19



DRIVEWAY #2
STA. 33+60.10



DRIVEWAY #3
STA. 102+94.60



12131 113TH AVENUE NE, SUITE 203 (TEL) 425 821-3665
KIRKLAND, WASHINGTON 98034 (FAX) 425 825-8434



**CITY OF
Federal Way**
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



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

DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:



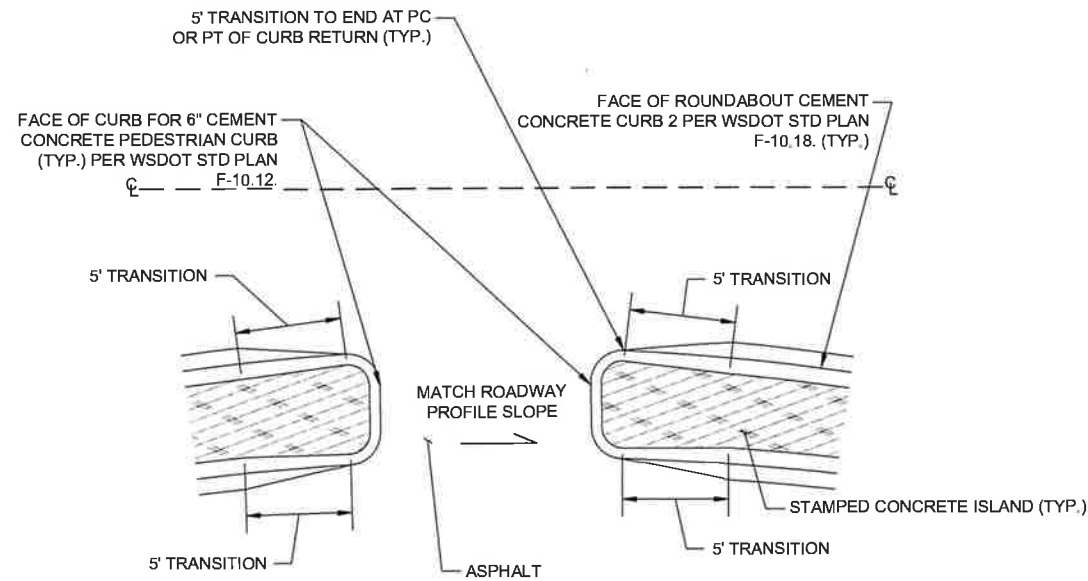
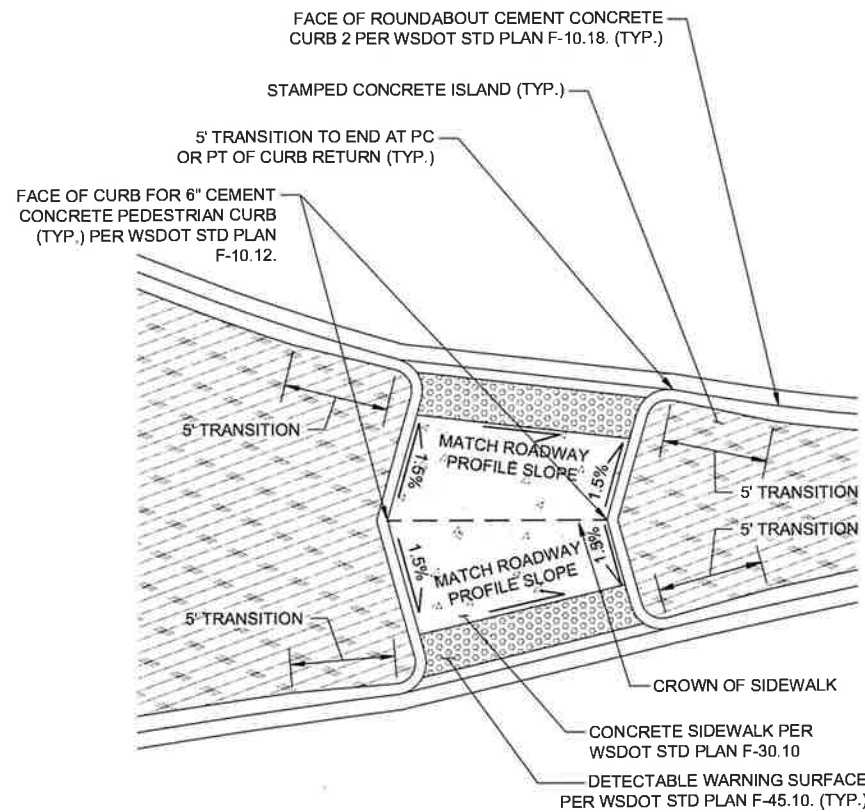
DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

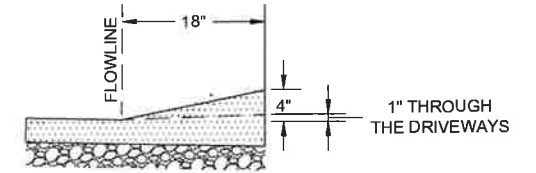
DRIVEWAY SECTIONS

CITY PROJECT #: 36224
SHT. 27 OF 93

BID SUBMITTAL



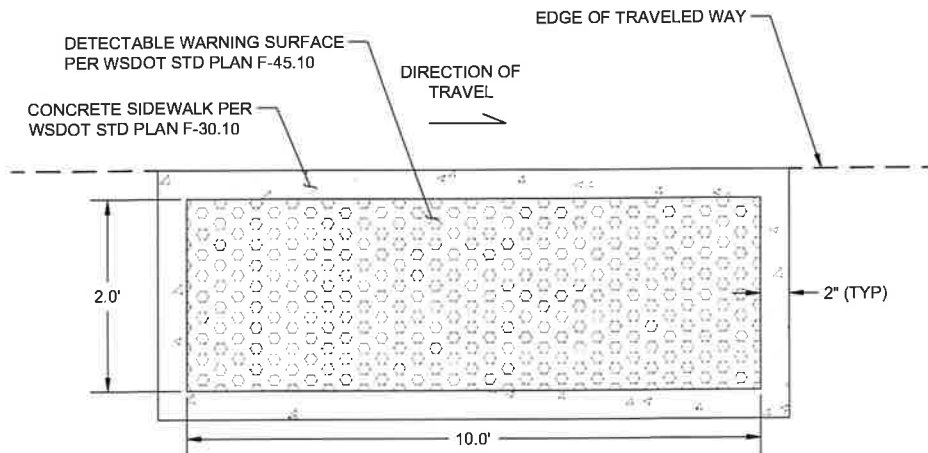
ROUNDABOUT CEMENT CONCRETE CURB TRANSITION TO 6" VERTICAL CONCRETE CURB
RAISED ISLAND
N.T.S.



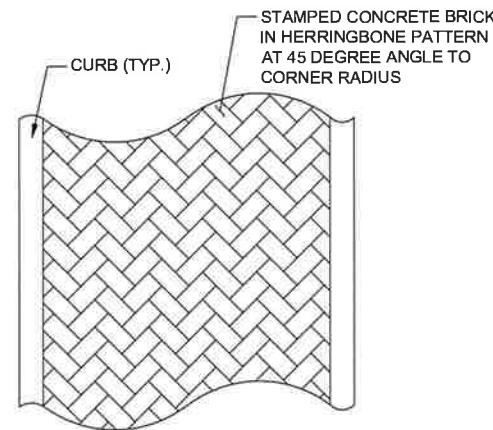
NOTE: RAISED PORTION SHALL BE HOT MIX ASPHALT CONSTRUCTED INTEGRALLY WITH ROAD PAVEMENT

RAISED ASPHALT EDGE
N.T.S.

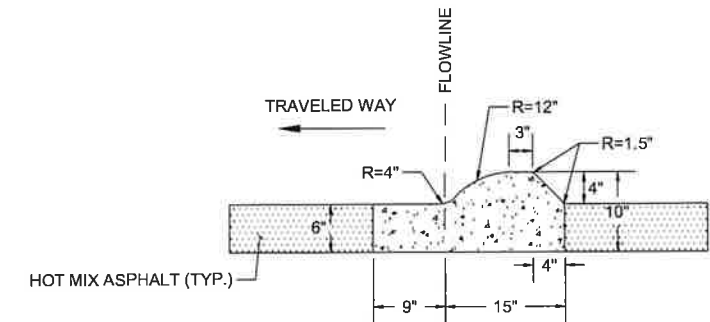
ROUNDABOUT CEMENT CONCRETE CURB TRANSITION TO 6" VERTICAL CONCRETE CURB
SPLITTER ISLAND
N.T.S.



DETECTABLE WARNING SURFACE DETAIL
N.T.S.



STAMPED CEMENT CONCRETE CLASS 4000 DETAIL
N.T.S.



MODIFIED ROUNDABOUT CEMENT CONCRETE CURB & GUTTER
N.T.S.

transpogroup **7**
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV

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

DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:

WESTON B. CASMAN
PROFESSIONAL ENGINEER
20110219
9/18/2026

DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

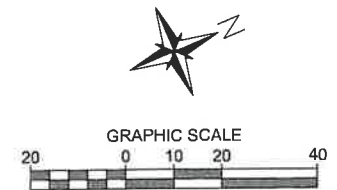
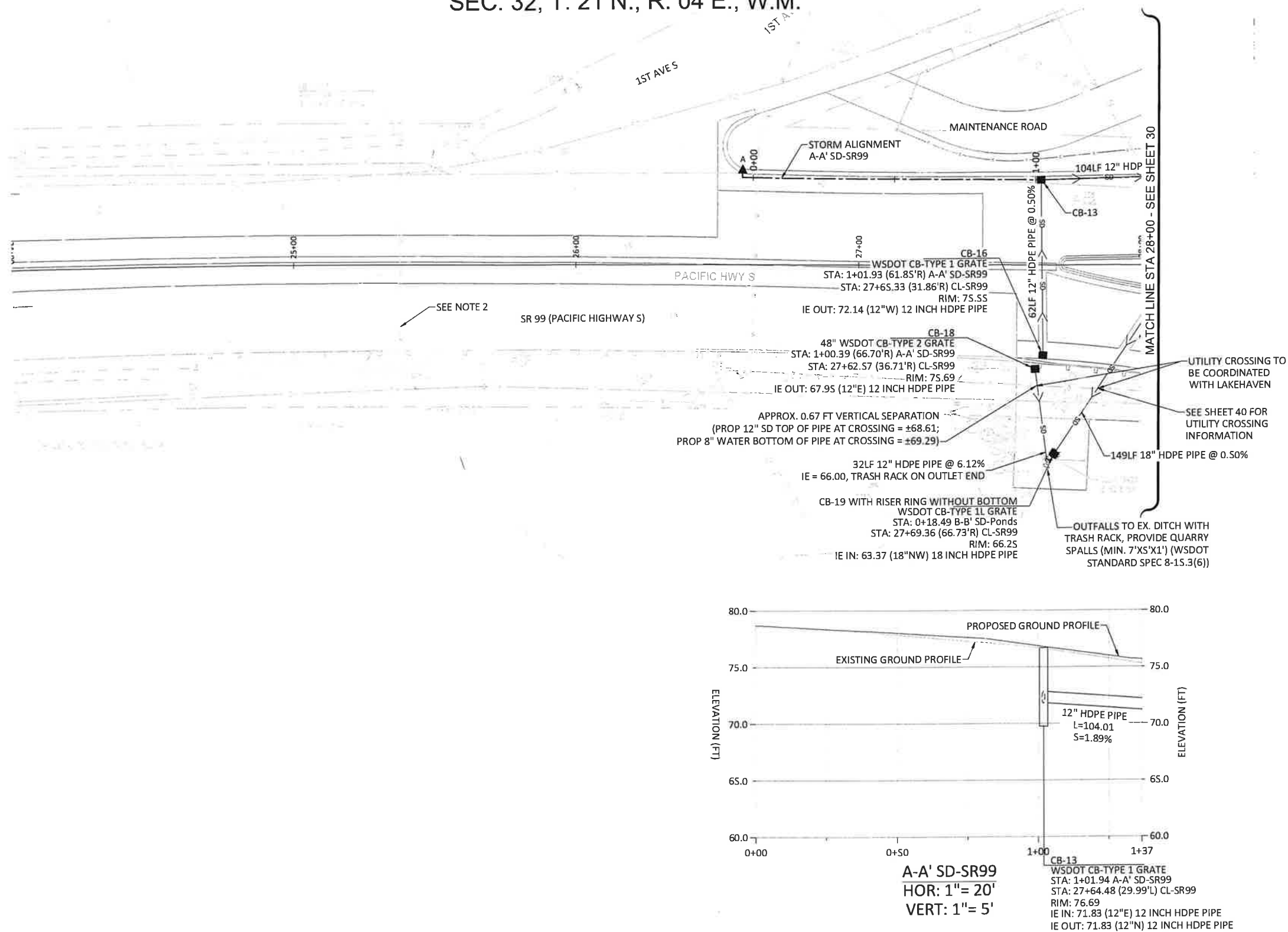
SR99 AT S 373RD ST ROUNDABOUT

ROADWAY DETAILS

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 28
OF 93

**LEGEND**

PROPOSED CONTOURS

RIGHT-OF-WAY

PARCEL BOUNDARY

PROPOSED STORM DRAIN PIPE

PROPOSED STORMWATER CATCH BASIN (TYPE 1; SEE NOTE 1)

PROPOSED STORMWATER CATCH BASIN (TYPE 2)

PROPOSED LANDSCAPING

PROPOSED BIORETENTION WITH UNDERDRAIN

SAND

UNDERDRAIN GRAVEL

PROPOSED BIORETENTION OUTLET STRUCTURE

PROPOSED OIL/WATER SEPARATOR

NOTES:

1. GRATED CATCH BASINS IN ROADWAY SHALL BE INSTALLED SUCH THAT THE GRATE IS ALIGNED WITH THE FLOWLINE AT THE LOW SIDE OF THE RAISED ASPHALT EDGE. GRATES TO BE SET TO 0.1' BELOW FINISH GRADE ELEVATION. ASPHALT SURFACING WITHIN 2 FEET OF RIM TO BE SLOPED TO DIRECT RUNOFF TO CATCH BASIN GRATE.
2. CONTRACTOR TO FIELD VERIFY DOWNSTREAM CONNECTION OF CB11337 IS DIRECTED TO VEGETATED AREA EAST OF SR 99.
3. CONTRACTOR TO FIELD VERIFY INLET PIPE (EXISTING PIPE) INVERT ELEVATION.



155 NE 100TH STREET, SUITE 302
SEATTLE, WASHINGTON 98125

(TEL) 206 631-8680
(FAX) 425 778-3650



DRAFTED: BMP

DESIGNED: MDS

REVIEWED: WMM

APPROVED:

**DRAWING VERSION / REVISION LOG**

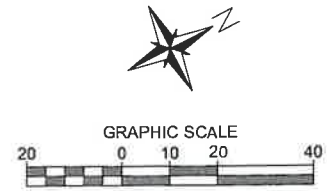
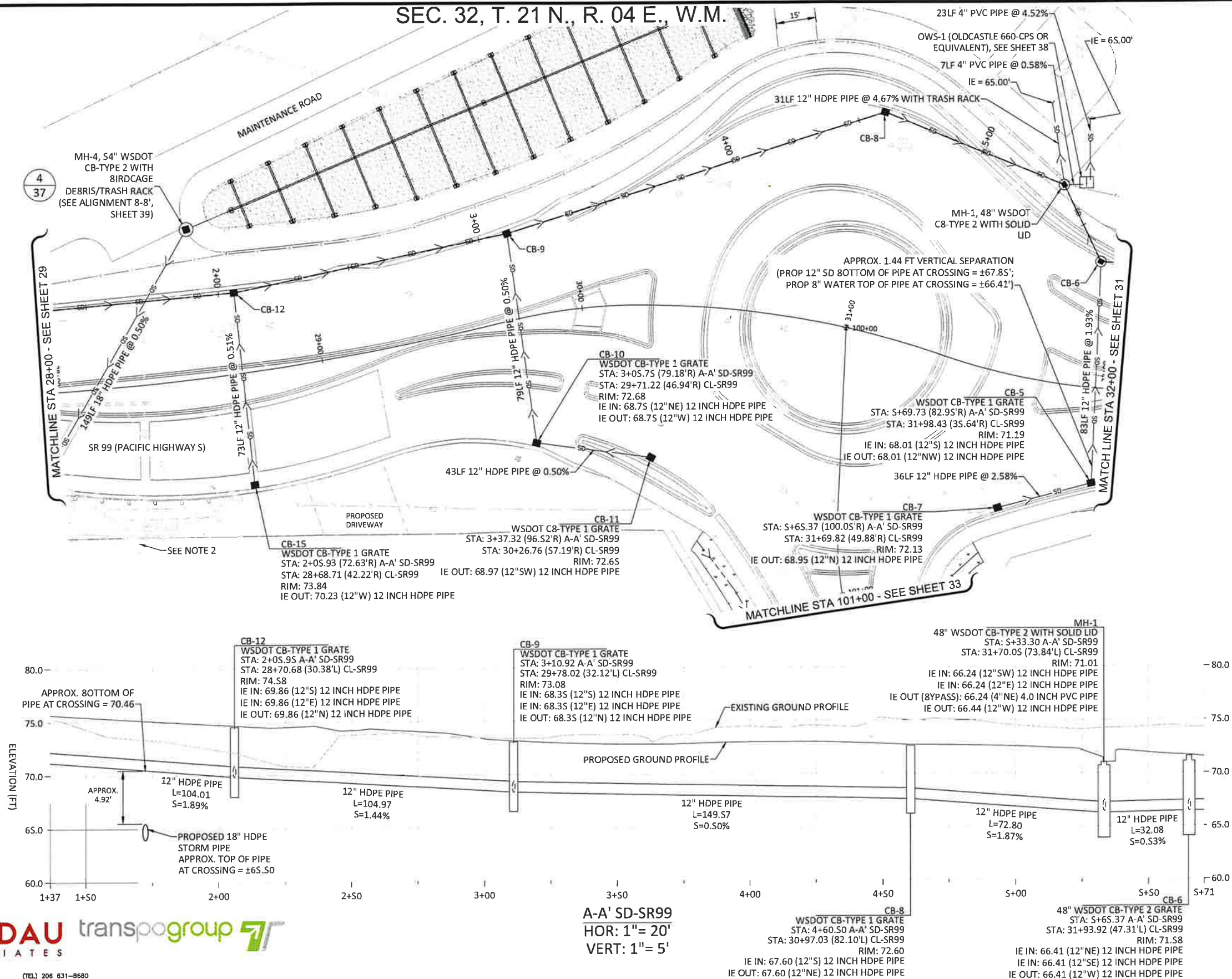
NO.	DATE	REVISION

SR 99 AT S 373RD ST ROUNDABOUT**STORMWATER PLAN AND PROFILE****BID SUBMITTAL**

CITY PROJECT #:
36224

SHT. 29
OF 93

SEC. 32, T. 21 N., R. 04 E., W.M.



- LEGEND**
- PROPOSED CONTOURS
 - RIGHT-OF-WAY
 - PARCEL BOUNDARY
 - PROPOSED STORM DRAIN PIPE
 - PROPOSED STORMWATER CATCH BASIN (TYPE 1; SEE NOTE 1)
 - PROPOSED STORMWATER CATCH BASIN (TYPE 2)
 - PROPOSED LANDSCAPING
 - PROPOSED BIORETENTION WITH UNDERDRAIN
 - SAND
 - UNDERDRAIN GRAVEL
 - PROPOSED BIORETENTION OUTLET STRUCTURE
 - PROPOSED OIL/WATER SEPARATOR

- NOTES**
1. GRATED CATCH BASINS IN ROADWAY SHALL BE INSTALLED SUCH THAT THE GRATE IS ALIGNED WITH THE FLOWLINE AT THE LOW SIDE OF THE RAISED ASPHALT EDGE. GRATES TO BE SET TO 0.1' BELOW FINISH GRADE ELEVATION, ASPHALT SURFACING WITHIN 2 FEET OF RIM TO BE SLOPED TO DIRECT RUNOFF TO CATCH BASIN GRATE.
 2. CONTRACTOR TO CAP INLET END OF 50\"/>

LA LANDAU transpogroup **7**
ASSOCIATES

155 NE 100TH STREET, SUITE 302
SEATTLE, WASHINGTON 98125
(TEL) 206 631-8680
(FAX) 425 778-3850

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: BMP
DESIGNED: MDS
REVIEWED: WMM
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

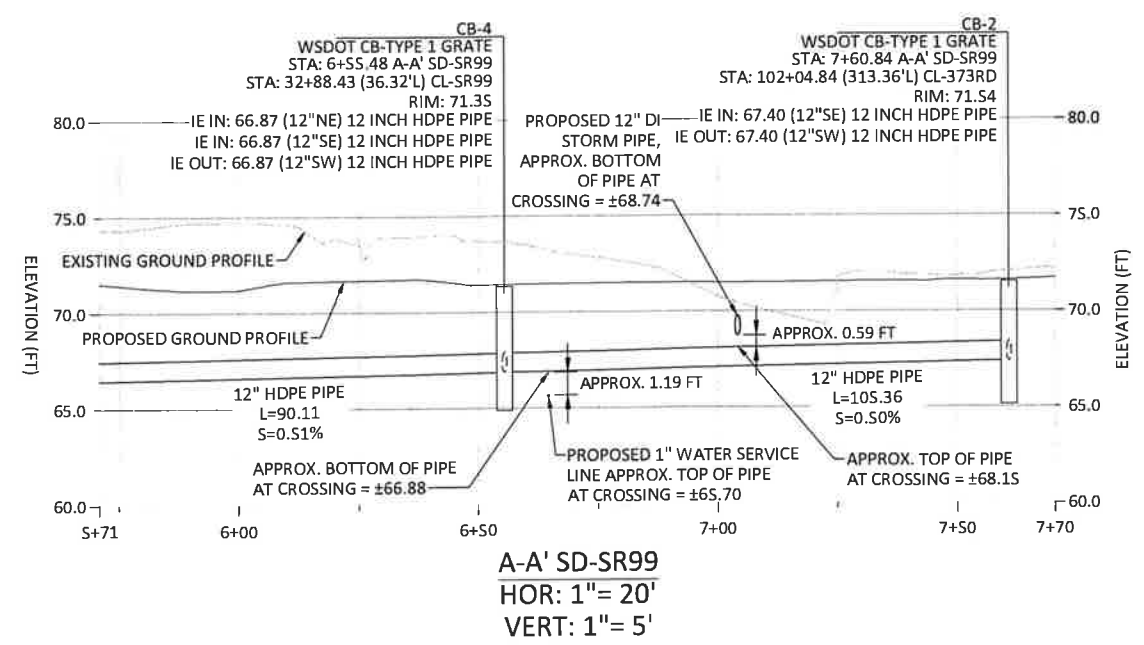
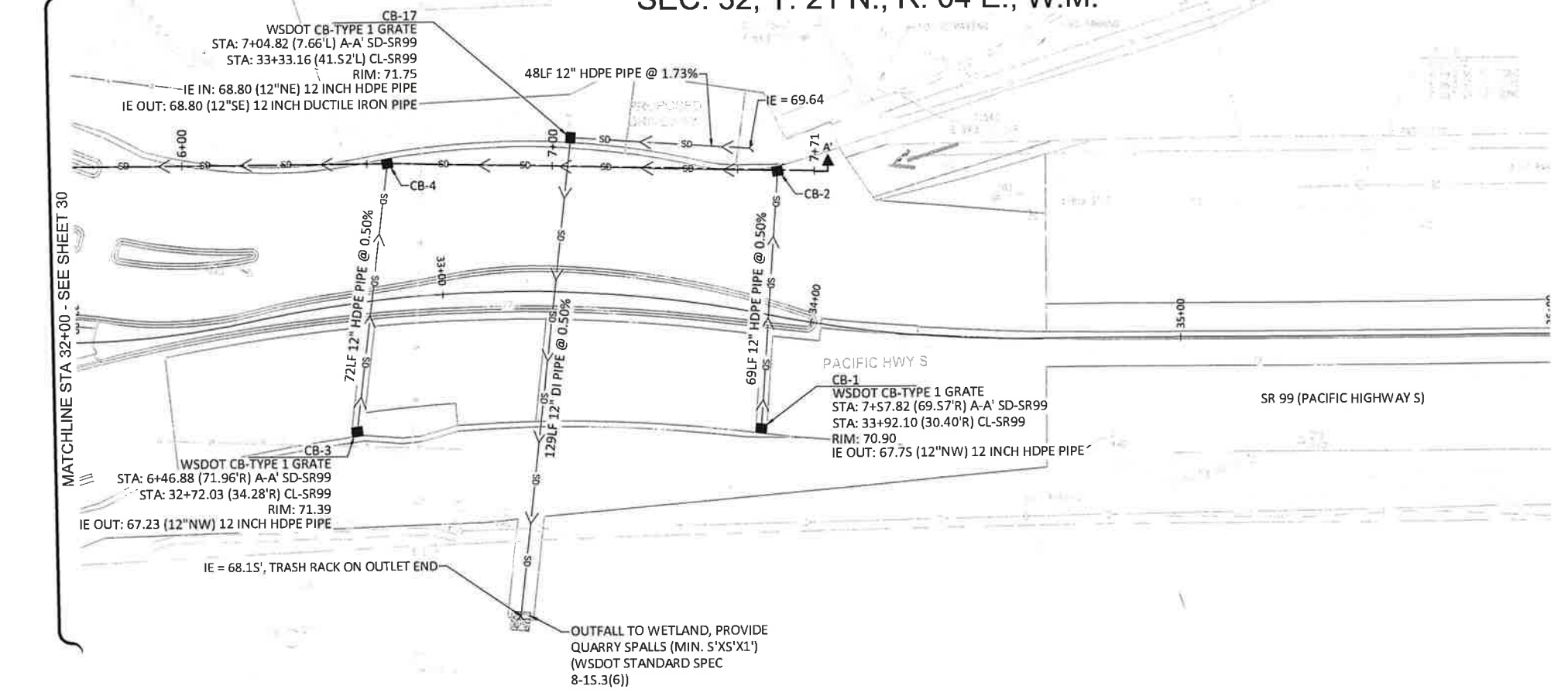
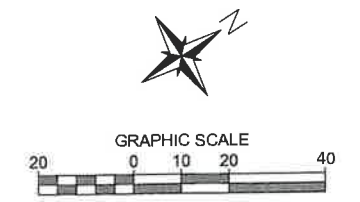
SR 99 AT S 373RD ST ROUNDABOUT STORMWATER PLAN AND PROFILE

CITY PROJECT #:
36224
SHT. 30
OF 93

UNOFFICIAL COPY Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com

UNOFFICIAL COPY Official bid documents, plan holder's list, and addenda (if applicable)

SEC. 32, T. 21 N., R. 04 E., W.M.



- LEGEND**
- PROPOSED CONTOURS
 - RIGHT-OF-WAY
 - PARCEL BOUNDARY
 - PROPOSED STORM DRAIN PIPE
 - PROPOSED STORMWATER CATCH BASIN (TYPE 1; SEE NOTE 1)
 - PROPOSED STORMWATER CATCH BASIN (TYPE 2)
 - PROPOSED LANDSCAPING
 - PROPOSED BIORETENTION WITH UNDERDRAIN
 - SAND
 - UNDERDRAIN GRAVEL
 - PROPOSED BIORETENTION OUTLET STRUCTURE
 - PROPOSED OILWATER SEPARATOR

- NOTES**
1. GRATED CATCH BASINS IN ROADWAY SHALL BE INSTALLED SUCH THAT THE GRATE IS ALIGNED WITH THE FLOWLINE AT THE LOW SIDE OF THE RAISED ASPHALT EDGE. GRATES TO BE SET TO 0.1' BELOW FINISH GRADE ELEVATION, ASPHALT SURFACING WITHIN 2 FEET OF RIM TO BE SLOPED TO DIRECT RUNOFF TO CATCH BASIN GRATE.



155 NE 100TH STREET, SUITE 302
SEATTLE, WASHINGTON 98125
(TEL) 206 631-8680
(FAX) 425 778-3650



DRAFTED: BMP
DESIGNED: MDS
REVIEWED: WMM
APPROVED:



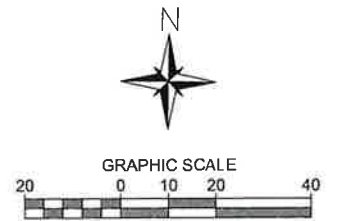
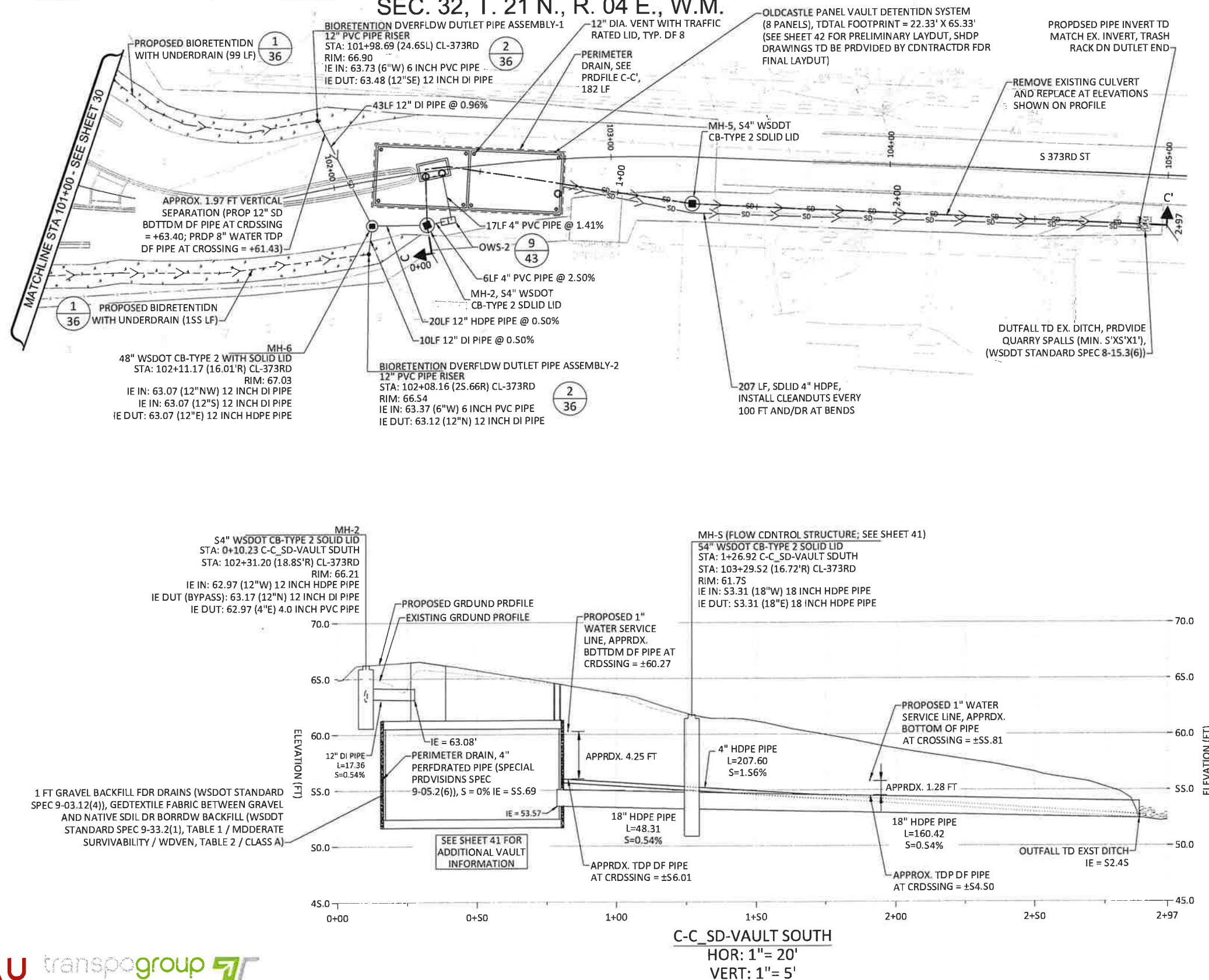
DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR 99 AT S 373RD ST ROUNDABOUT
STORMWATER PLAN AND PROFILE

BID SUBMITTAL

CITY PROJECT #:
36224
SHT. 31
OF 93

SEC. 32, T. 21 N., R. 04 E., W.M.



LEGEND

- PROPOSED CDNTOURS
- RIGHT-OF-WAY
- PARCEL BOUNDARY
- PROPOSED STORM DRAIN PIPE
- PROPOSED STDRM WATER CATCH BASIN (TYPE 1)
- PROPOSED STDRM WATER CATCH BASIN (TYPE 2)
- PROPOSED LANDSCAPING
- PROPOSED BIORETENTION WITH UNDERDRAIN
- SAND
- UNDERDRAIN GRAVEL
- PROPOSED BIORETENTION OUTLET STRUCTURE
- PROPOSED DITCH/WATER SEPARATOR

LANDAU transpogroup **7**
ASSOCIATES

155 NE 100TH STREET, SUITE 302
SEATTLE, WASHINGTON 98125

(TEL) 206 631-8680
(FAX) 425 778-3650

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: BMP
DESIGNED: MDS
REVIEWED: WMM
APPROVED:



09/04/26

DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

SR 99 AT S 373RD ST ROUNDABOUT

STORMWATER PLAN AND PROFILE

BID SUBMITTAL

CITY PROJECT #:
36224

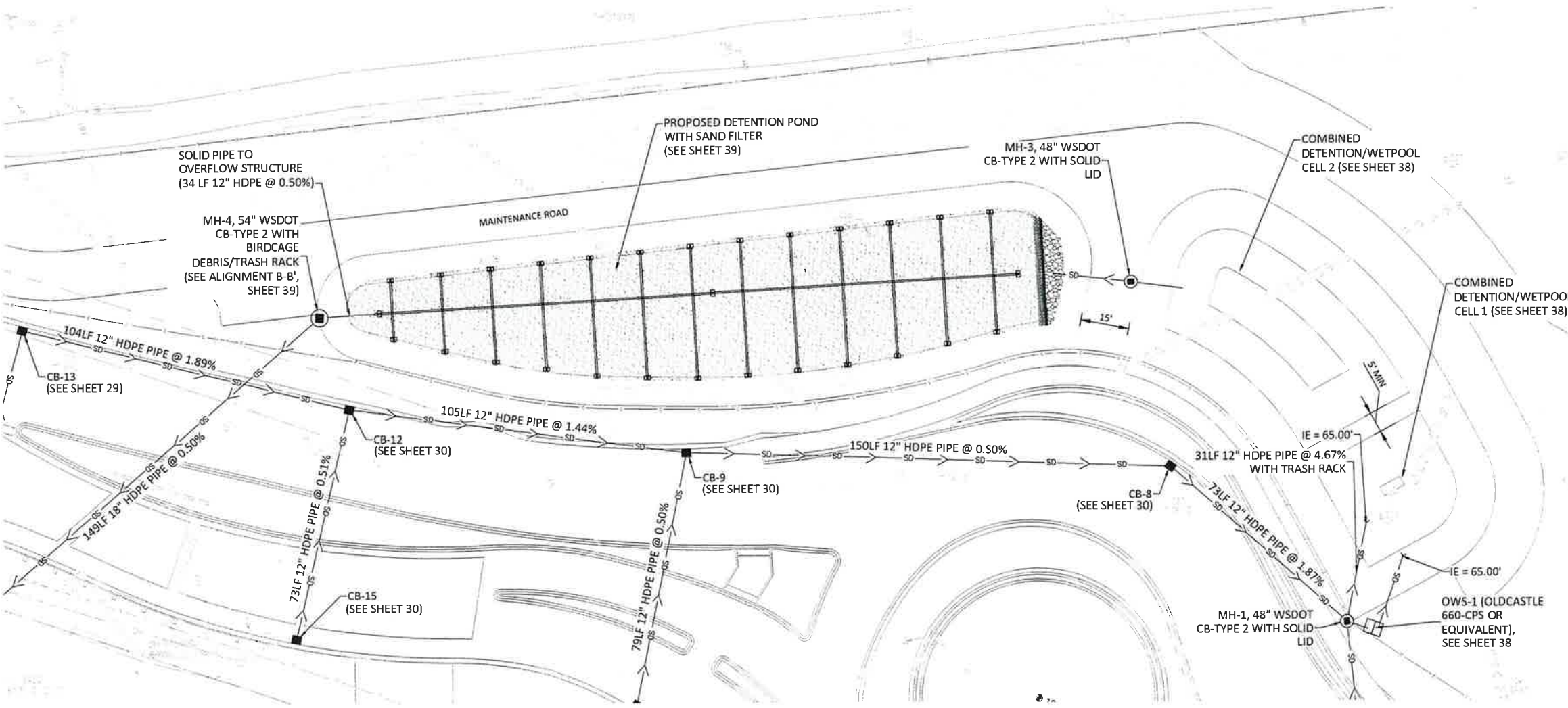
SHT. 32

DF 93

UNOFFICIAL COPY Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com

UNOFFICIAL COPY Official bid documents, plan holder's list, and addenda (if applicable)

G:\Projects\1168007010\Plan Set\PLAN SITE PLAN SW.dwg, 9/10/2026 1:33 PM



GRAPHIC SCALE

LEGEND

- PROPOSED CONTOURS
- RIGHT-OF-WAY
- PARCEL BOUNDARY
- PROPOSED STORM DRAIN PIPE
- PROPOSED STORMWATER CATCH BASIN (TYPE 1)
- PROPOSED STORMWATER CATCH BASIN (TYPE 2)
- PROPOSED LANDSCAPING
- PROPOSED BIORETENTION WITH UNDERDRAIN
- SAND
- UNDERDRAIN GRAVEL
- PROPOSED BIORETENTION OUTLET STRUCTURE
- PROPOSED OIL/WATER SEPARATOR



155 NE 100TH STREET, SUITE 302
SEATTLE, WASHINGTON 98125
(TEL) 206 631-8680
(FAX) 425 778-3650

**CITY OF
Federal Way**
Centered on Opportunity

33325 8TH AVE S
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV

Know what's below.
Call before you dig.

DRAFTED: BMP
DESIGNED: MDS
REVIEWED: WMM
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR 99 AT S 373RD ST ROUNDABOUT

STORMWATER PLAN AND PROFILE

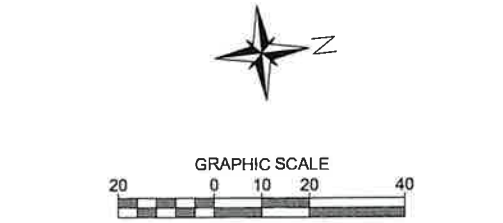
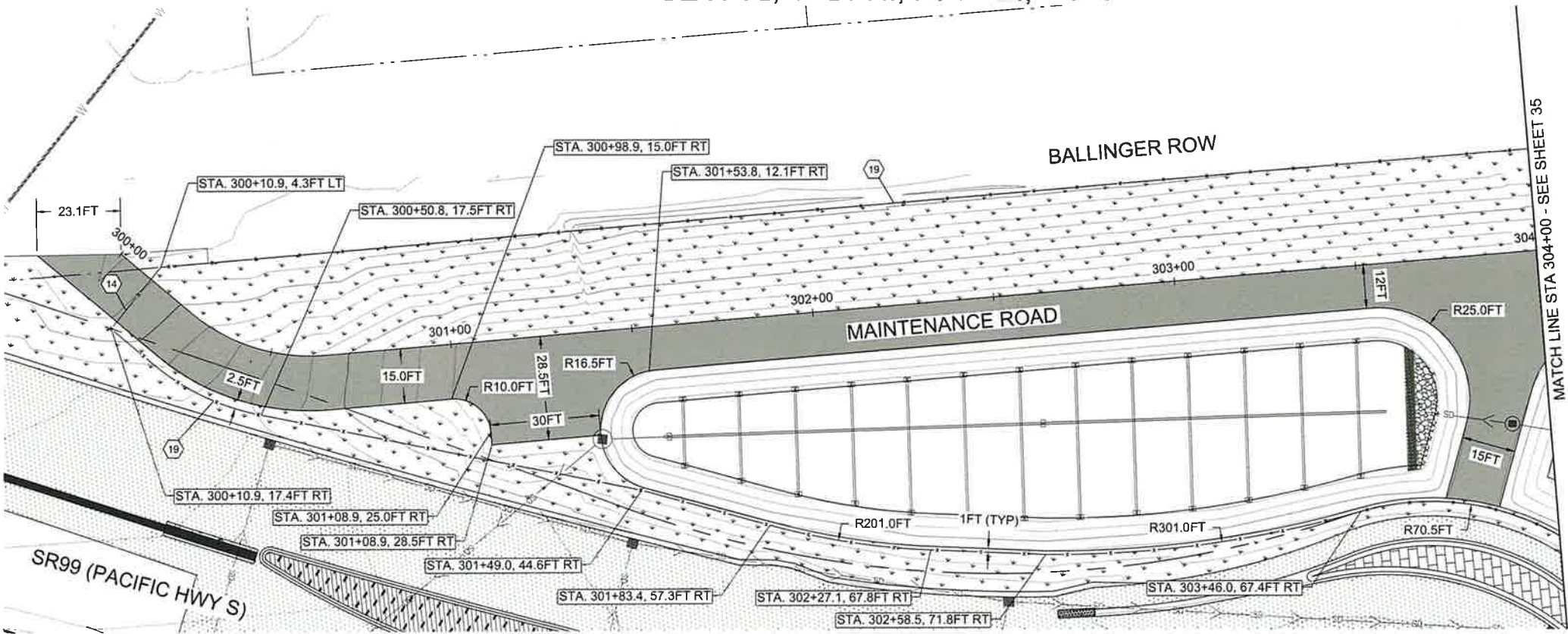
BID SUBMITTAL

CITY PROJECT #:
36224

SHT. **33**
OF **93**

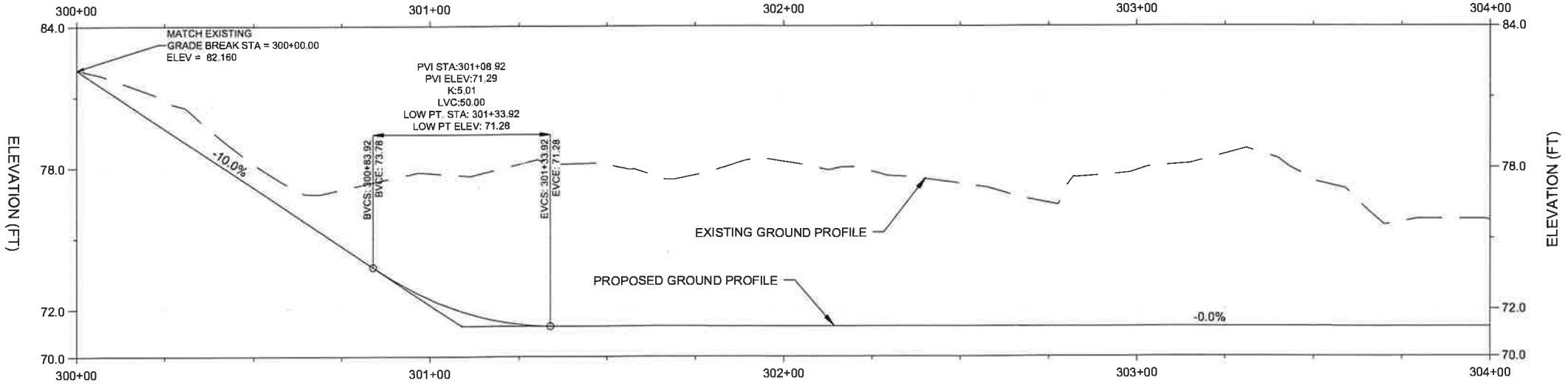
G:\Projects\1188007010\Plan Set\Plan SW.dwg, 9/10/2026 1:33 PM

SEC. 32, T. 21 N., R. 04 E., W.M.



- LEGEND**
- RIGHT-OF-WAY
 - PARCEL BOUNDARY
 - ASPHALT ROADWAY
 - DETECTABLE WARNING SURFACE
 - LANDSCAPING (SEE SHEETS 43-46)
 - CONCRETE ISLAND
 - TRUCK APRON
 - MAINTENANCE ROAD
 - CONCRETE
 - CONCRETE BARRIER

- # **PAVING NOTES (THIS SHEET ONLY)**
- 14) INSTALL CHAIN LINK DOUBLE 14FT GATE PER WSDOT STANDARD PLAN L-30.10-02.
 - 19) INSTALL CHAIN LINK FENCE TYPE 3 PER WSDOT STANDARD PLAN L-20.10-03



PROFILE VIEW - EOP-MAINT-ROAD-W



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



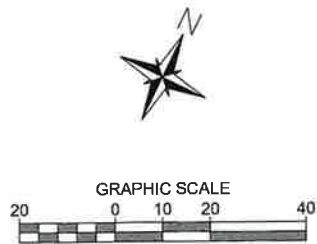
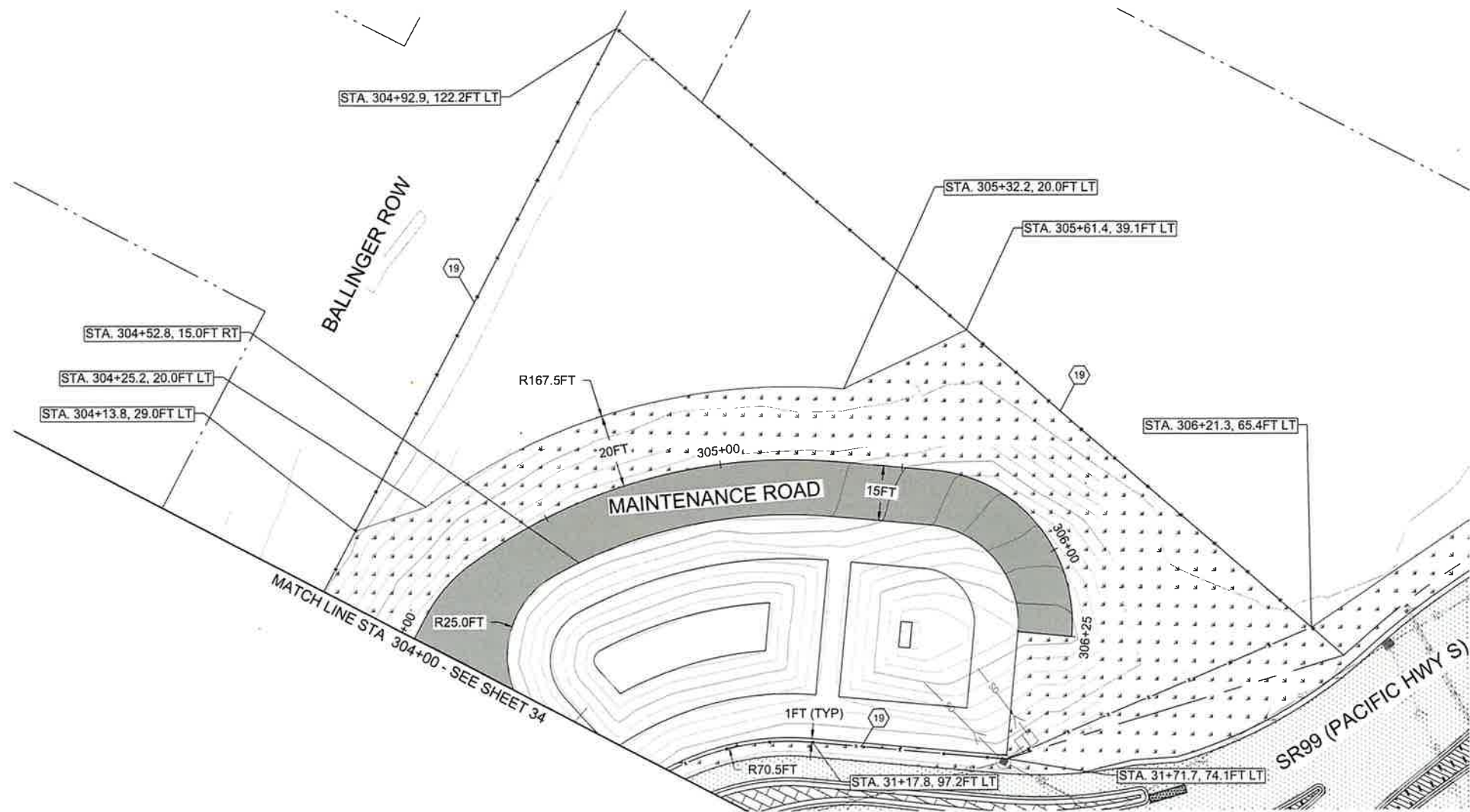
DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT
MAINTENANCE ROAD PLAN AND PROFILE

BID SUBMITTAL

CITY PROJECT #
36224
SHT. 34
OF 93

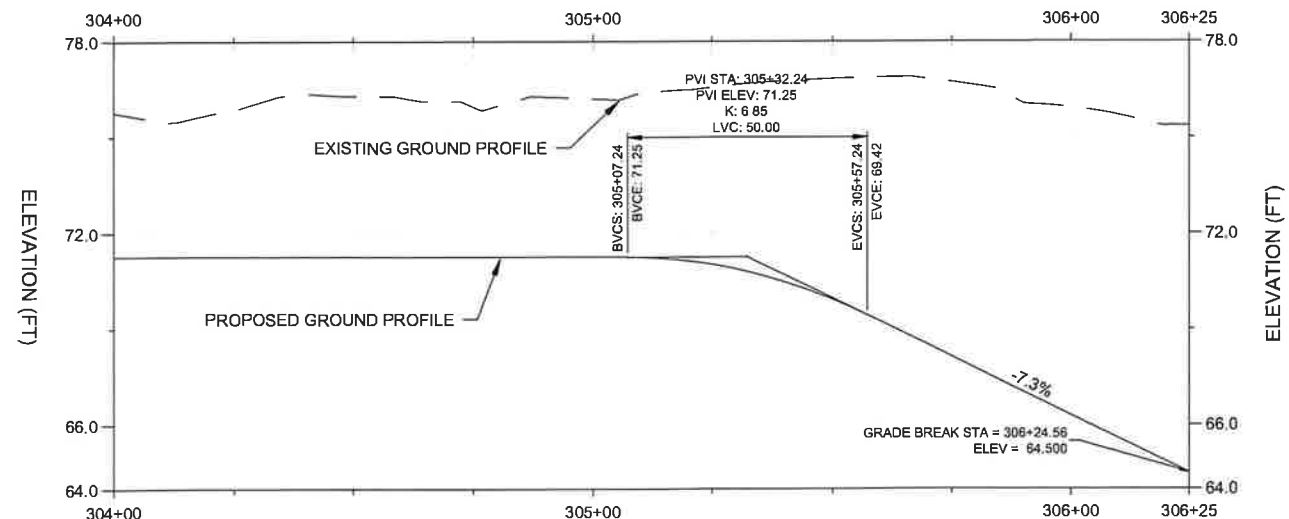
SEC. 32, T. 21 N., R. 04 E., W.M.



LEGEND

RIGHT-OF-WAY	---
PARCEL BOUNDARY	- - -
ASPHALT ROADWAY	[Pattern]
DETECTABLE WARNING SURFACE	[Pattern]
LANDSCAPING (SEE SHEETS 43-46)	[Pattern]
CONCRETE ISLAND	[Pattern]
TRUCK APRON	[Pattern]
MAINTENANCE ROAD	[Pattern]
CONCRETE	[Pattern]
CONCRETE BARRIER	[Pattern]

- # PAVING NOTES (THIS SHEET ONLY)
- 19 INSTALL CHAIN LINK FENCE TYPE 3 PER WSDOT STANDARD PLAN L-20.10-03



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



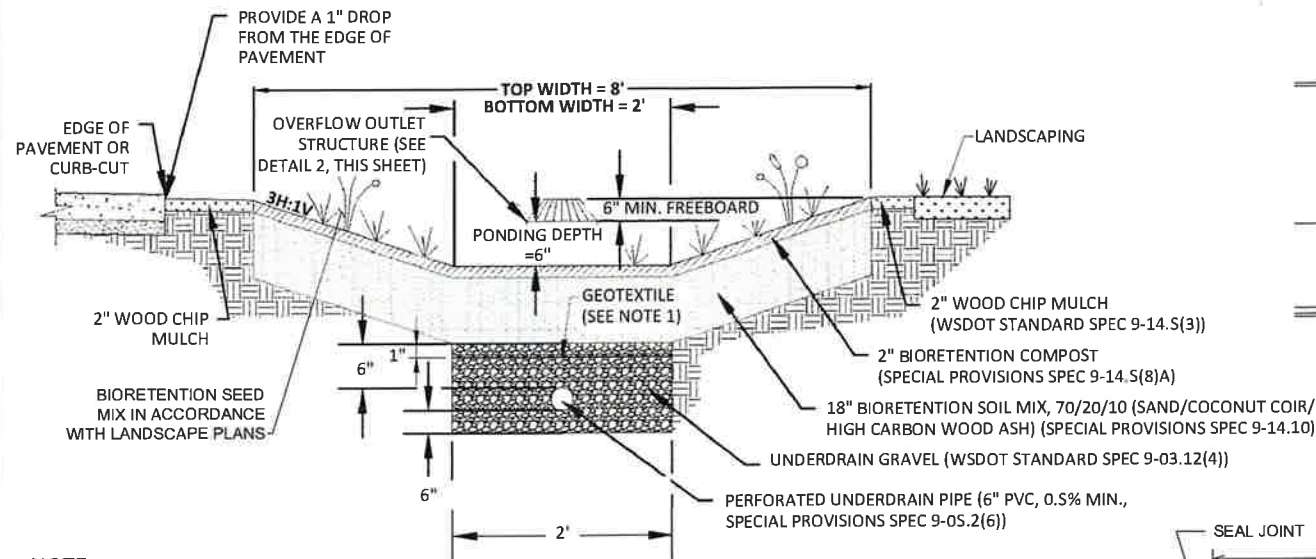
DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT		CITY PROJECT #: 36224
MAINTENANCE ROAD PLAN AND PROFILE		SHT. 35 OF 93

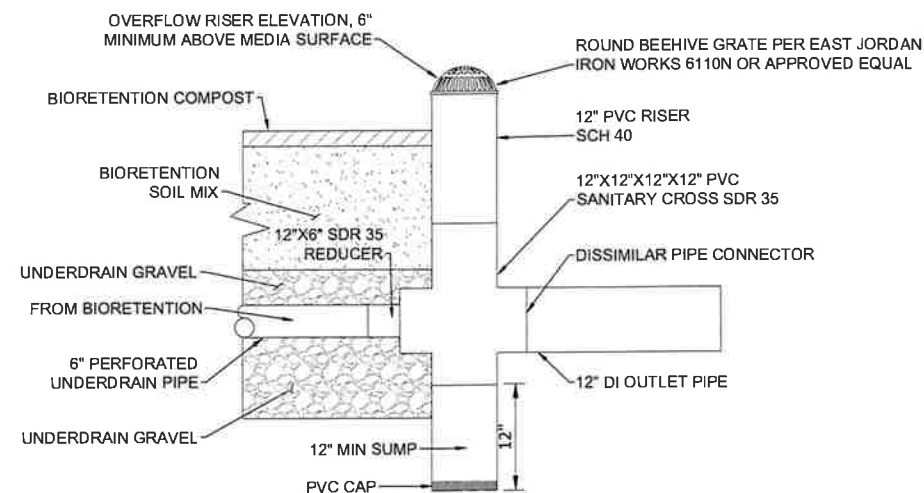
BID SUBMITTAL



NOTE

1. GEOTEXTILE FABRIC TO MEET REQUIREMENTS OF WSDOT STANDARD SPEC 9-33.2(1), TABLE 1 / MODERATE SURVIVABILITY / WOVEN, TABLE 2 / CLASS A (1" COVER OF UNDERDRAIN GRAVEL OVER GEOTEXTILE).

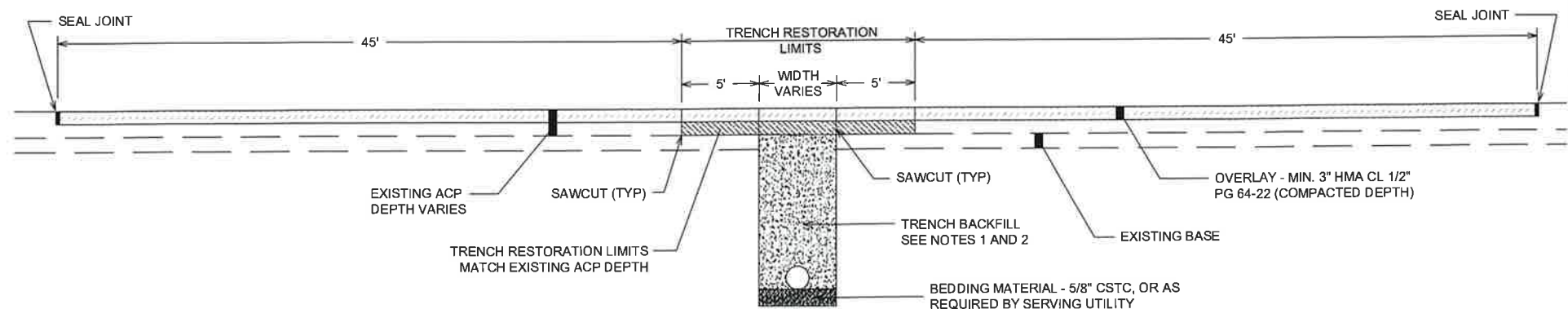
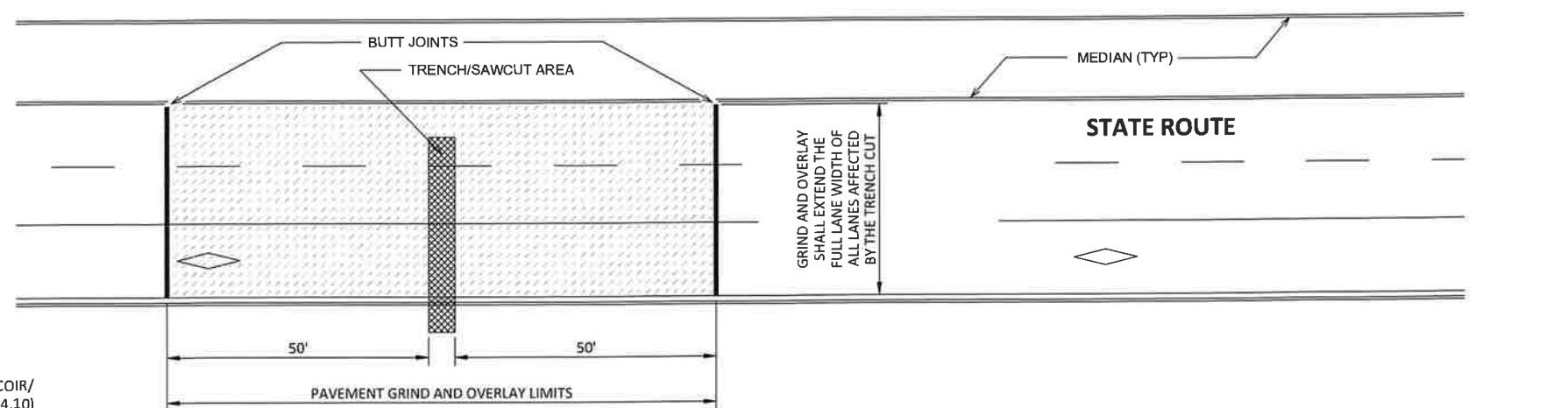
1 BIORETENTION WITH UNDERDRAIN NOT TO SCALE



NOTES

1. ALL FITTINGS TO BE RUBBER GASKETED.
2. ALL PVC RISERS AND FITTINGS INSTALLED ABOVE GRADE SHALL HAVE PROTECTIVE ULTRAVIOLET COATING, OPAQUE LATEX WATER BASED PAINT OR APPROVED EQUAL.

2 BIORETENTION OVERFLOW OUTLET STRUCTURE NOT TO SCALE



NOTES:

1. FOR TRENCHES LESS THAN 18" WIDE, USE 100% CDF FOR TRENCH BACKFILL.
2. FOR TRENCHES GREATER THAN 18" WIDE, USE 5/8" CSTC.
3. COMPACTION TESTING REQUIRED AS DIRECTED.
4. PROVIDE DELIVERY TICKET(S) AND/OR SOURCE FOR ALL MATERIALS.
5. THIS DETAIL IS APPLICABLE TO TRANSVERSE AND LONGITUDINAL TRENCHES.
6. THIS DETAIL COPIED FROM CITY OF FEDERAL WAY STD. DETAIL FW.B55.20-E (REVISED JUNE 2024).

3 PIPE BEDDING AND BACKFILL (WSDOT DESIGNATED STATE ROUTES) NOT TO SCALE



155 NE 100TH STREET, SUITE 302
SEATTLE, WASHINGTON 98125

(TEL) 206 631-8680
(FAX) 425 778-3650



DRAFTED: BMP
DESIGNED: MDS
REVIEWED: WMM
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

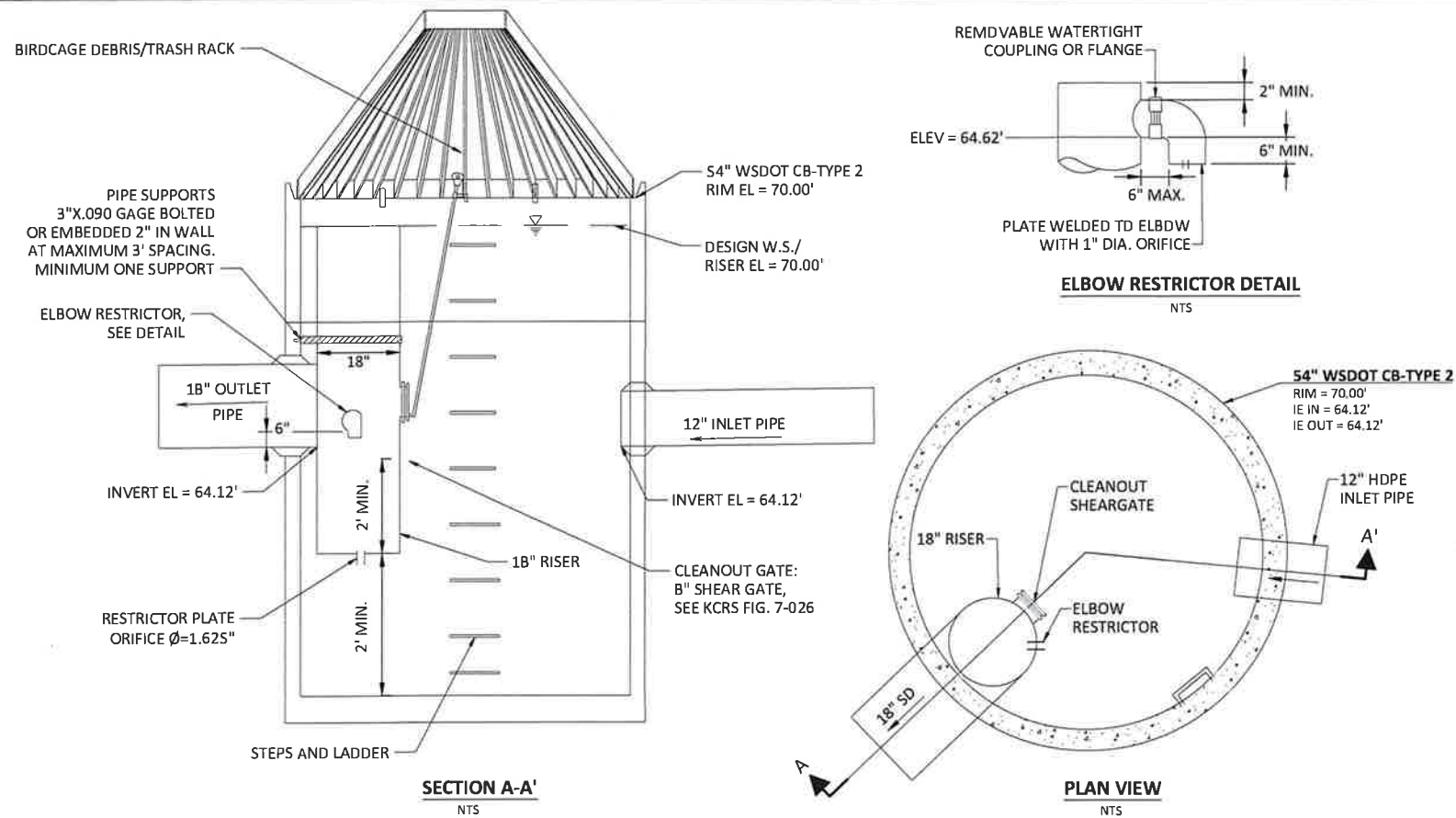
SR 99 AT S 373RD ST ROUNDABOUT

STORMWATER DETAILS

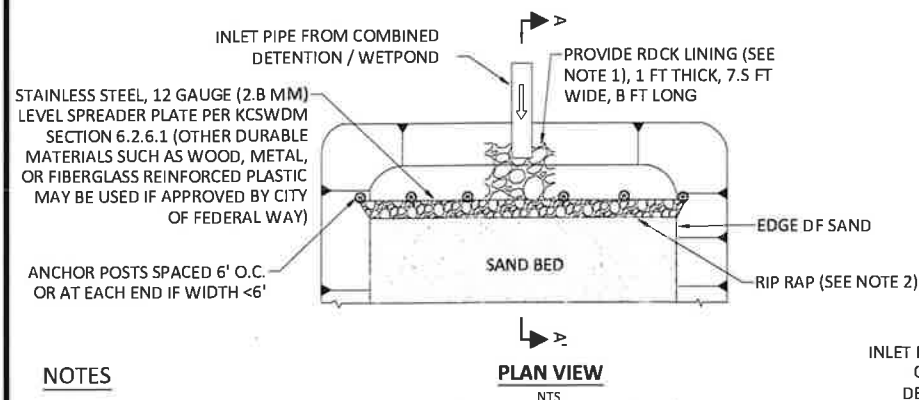
BID SUBMITTAL

CITY PROJECT #:
36224

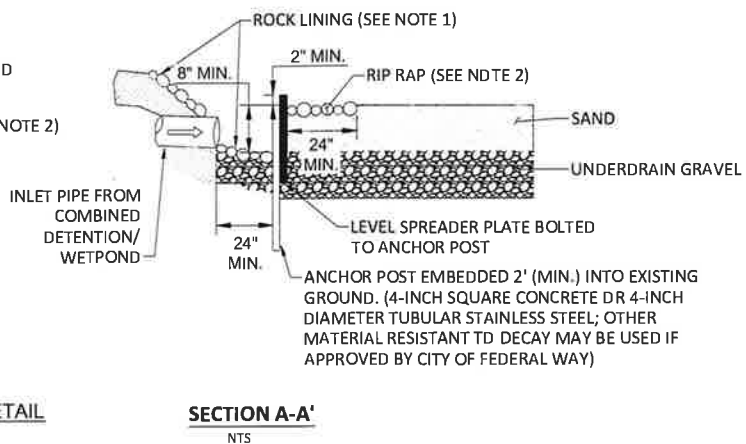
SHT. 36
OF 93



4 SAND FILTER FLOW CONTROL STRUCTURE (MH-4)
NOT TO SCALE



5 ANCHORED PLATE FLOW SPREADER DETAIL
NOT TO SCALE



6 PIPE BEDDING AND BACKFILL
NOT TO SCALE

- NOTES:
- FOR TRENCHES GREATER THAN 18" WIDE IN PAVED AREAS, BACKFILL UTILITY TRENCHES WITHIN PAVED AREAS WITH 5/8" CRUSHED SURFACING PER WSDOT 9-03.9(3), COMPACT TO A MINIMUM OF 95%.
 - FOR TRENCHES LESS THAN 18" WIDE IN PAVED AREAS, BACKFILL UTILITY TRENCHES WITHIN PAVED AREAS WITH 100% CDF TO BE PER WSDOT SPECIFICATION 2-09.3(1) E BACKFILLING.
 - IN UNPAVED AREAS, TRENCHES MAY BE BACKFILLED WITH NATIVE MATERIAL AND COMPACTED TO 90% WITH THE CITY'S ENGINEER OR DESIGNEE PRIOR TO APPROVAL.
 - NATIVE MATERIAL MUST HAVE PRIOR APPROVAL FOR USE IN TRENCH BACKFILL.
 - NATIVE MATERIALS MUST BE CAPABLE OF ACHIEVING REQUIRED COMPACTION AS EVIDENCED FROM APPROVED SOILS ANALYSIS AND TESTING.
 - IF NATIVE MATERIALS ARE PROPOSED, THEY MUST MEET WSDOT SPECIFICATION 9-03.19. ONSITE PROCESSING OF THE NATIVE MATERIAL IS REQUIRED TO VERIFY SIZING AND THAT UNSUITABLES ARE REMOVED. THIS WORK SHALL BE CERTIFIED BY A GEOTECHNICAL ENGINEER.
 - IF NATIVE MATERIAL IS USED FOR TRENCH BACKFILL, AN APPROVED GEOLOGICAL TECHNICIAN (THIRD PARTY INSPECTOR) SHALL BE ON-SITE DURING THE TRENCH BACKFILLING TO DOCUMENT AND CERTIFY MATERIAL AND COMPACTION MEETS SPECIFICATIONS. COSTS TO BE INCIDENTAL TO TRENCH BACKFILL OPERATION.
 - NO RECYCLED MATERIAL WILL BE ALLOWED IN THE TRENCH BACKFILL.
 - IF MATERIAL IS IMPORTED, PROVIDE DELIVERY TICKETS AND SOURCE FOR ALL MATERIALS.
 - TRENCH SHALL BE BACKFILLED AND COMPACTED IN 6-INCH LIFTS IN ACCORDANCE WITH WSDOT 2-09.3(1).
 - TEST METHOD FOR AGGREGATES SHALL MEET WSDOT SPECIFICATION 9-03.20.
 - FOR CITY STORM: PIPE BEDDING, PIPE ZONE BACKFILLS, AND TRENCH BACKFILL SHALL FOLLOW WSDOT SPECIFICATION 7-08.3(3).
 - THIS DETAIL IS NOT APPLICABLE TO CITY OF FEDERAL WAY CONDUIT BEDDING. COORDINATE WITH THE TRAFFIC DIVISION FOR CONDUIT INSTALLATION DETAILS.
 - THIS DETAIL COPIED FROM CITY OF FEDERAL WAY STD. DETAIL FW.B55.20-A (REVISED JUNE 2024).

LANDAU transpogroup
ASSOCIATES

155 NE 100TH STREET, SUITE 302
SEATTLE, WASHINGTON 98125

(TEL) 206 631-8680
(FAX) 425 778-3650

CITY OF Federal Way
Centered on Opportunity
33325 BTH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: BMP
DESIGNED: MOS
REVIEWED: WMM
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

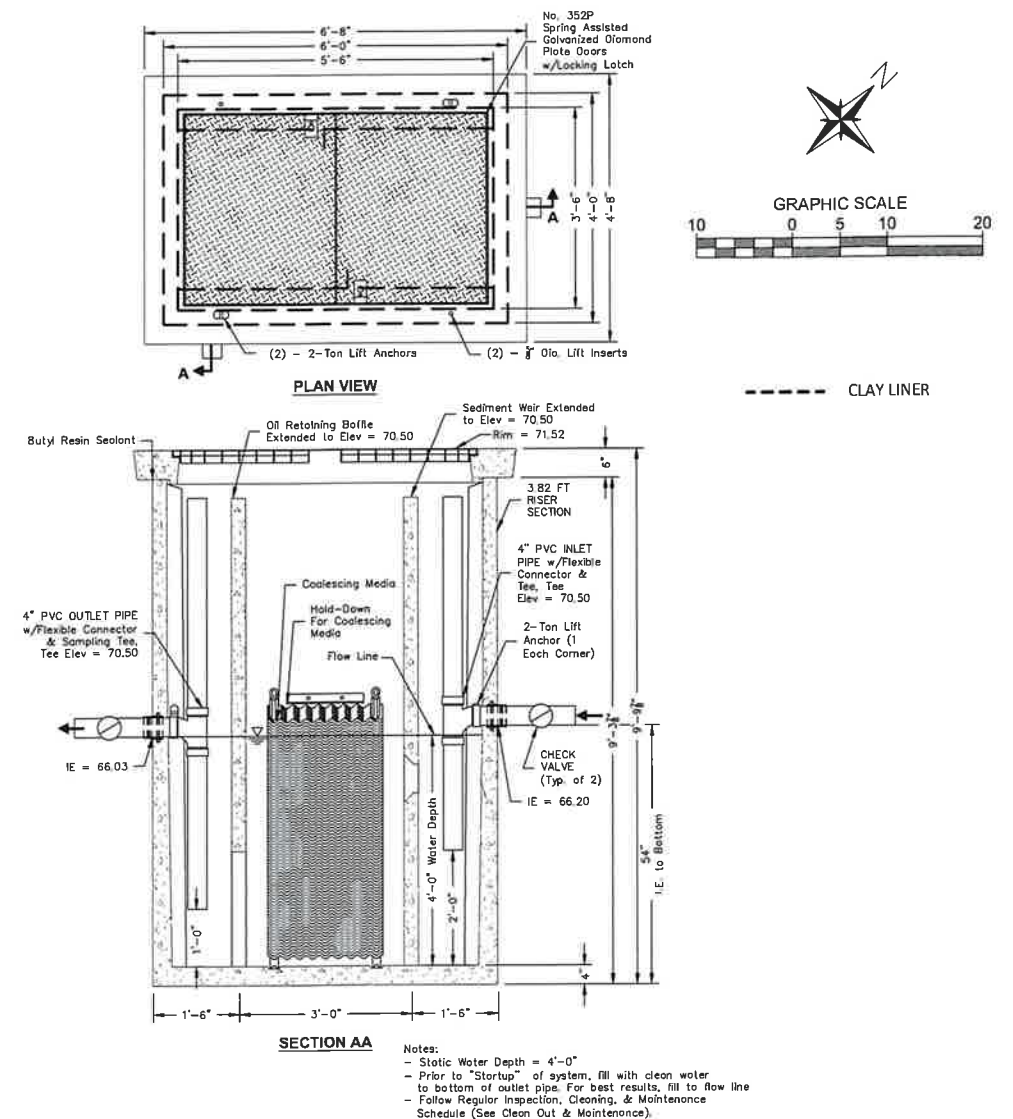
SR 99 AT S 373RD ST ROUNDABOUT

STORMWATER DETAILS

BID SUBMITTAL

CITY PROJECT#:
36224

SHT. 37
OF 93



48" WSDOT CB-TYPE 2 WITH SOLID REMOVABLE MANHOLE COVER, RIM = 71.00'

DESIGN W.S./ OVERFLOW EL = 70.00'

PIPE SUPPORTS
3"X.090 GAGE BOLTED OR EMBEDDED 2" IN WALL AT MAXIMUM 3' SPACING. MINIMUM ONE SUPPORT

18" RISER

18" OUTLET PIPE

INVERT ELEV = 67.50'

18" INLET PIPE

INVERT ELEV = 67.50'

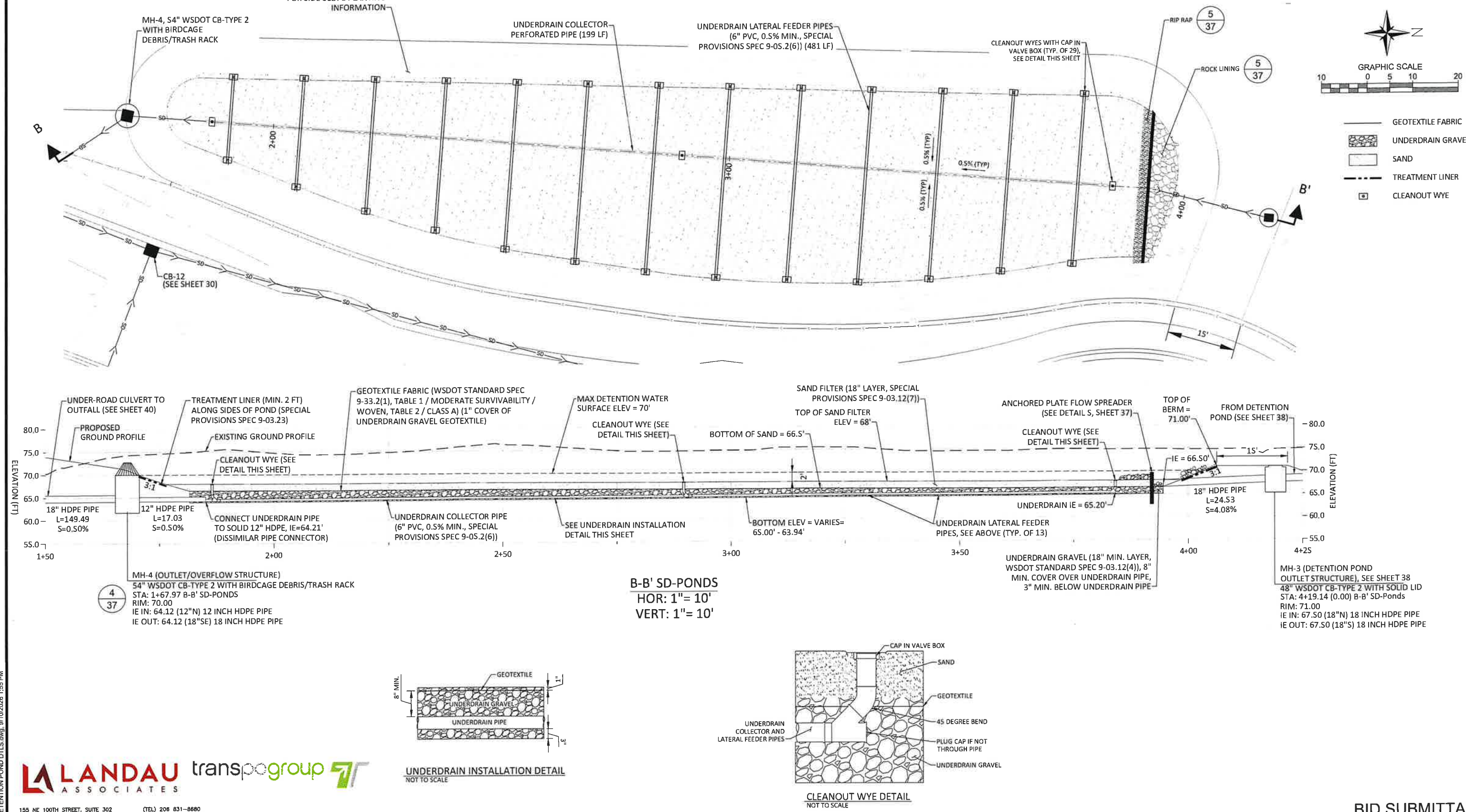
STEPS AND LADDER

6" MIN

2" MIN

2"

18"



155 NE 100TH STREET, SUITE 302
SEATTLE, WASHINGTON 98125
(TEL) 206 831-8680
(FAX) 425 778-3650

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: BMP
DESIGNED: MDS
REVIEWED: WMM
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

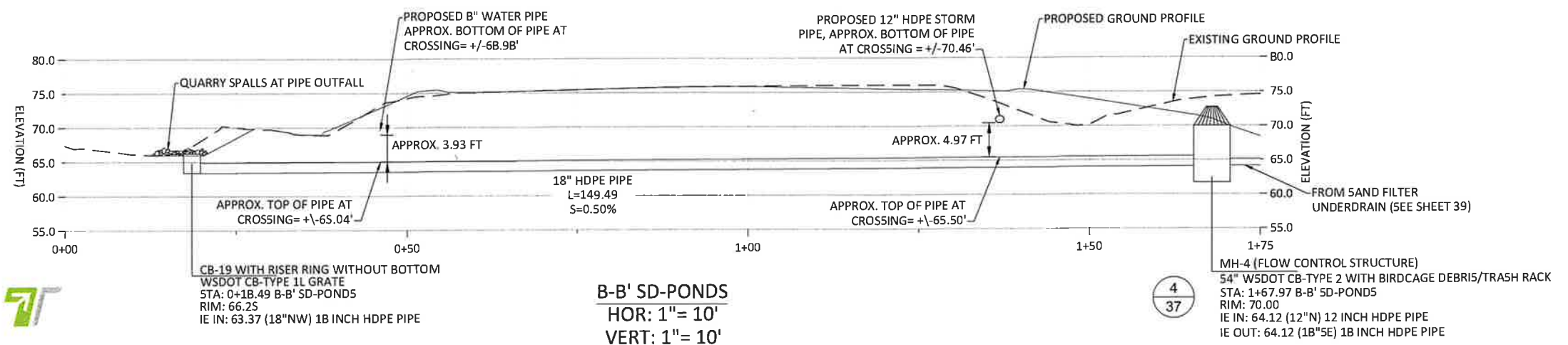
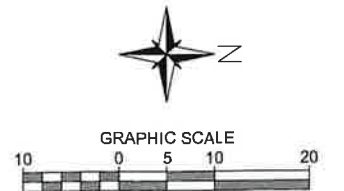
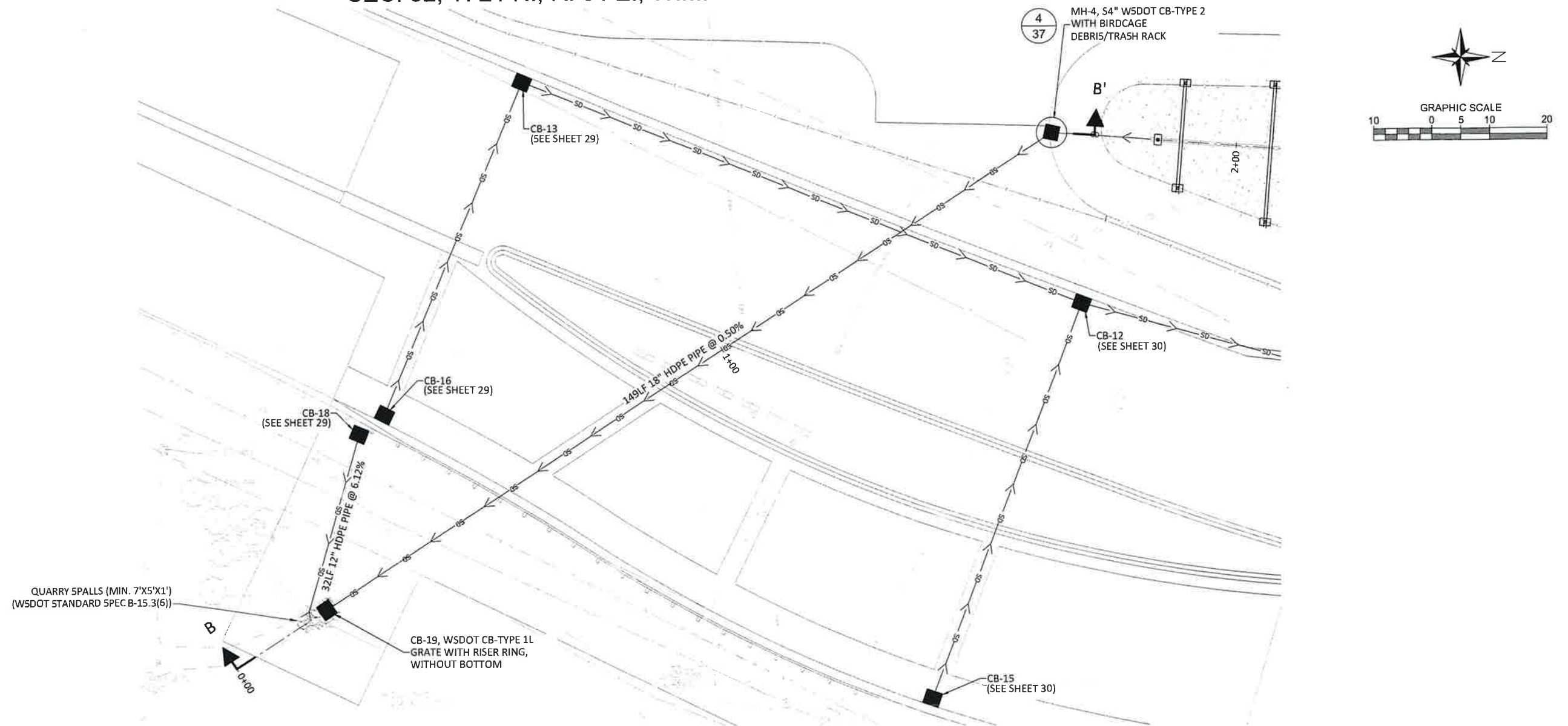
SR 99 AT S 373RD ST ROUNDABOUT

STORMWATER DETAILS

CITY PROJECT #:	36224
SHT.	39
OF	93

G:\Projects\1168007\10\Plan Set\DETENTION POND DTL.S.dwg, 9/10/2026 1:55 PM

SEC. 32, T. 21 N., R. 04 E., W.M.



155 NE 100TH STREET, SUITE 302
SEATTLE, WASHINGTON 98125
(TEL) 206 631-8680
(FAX) 425 778-3550

CITY OF Federal Way
Centered on Opportunity
33325 BTH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: BMP
DESIGNED: MDS
REVIEWED: WMM
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

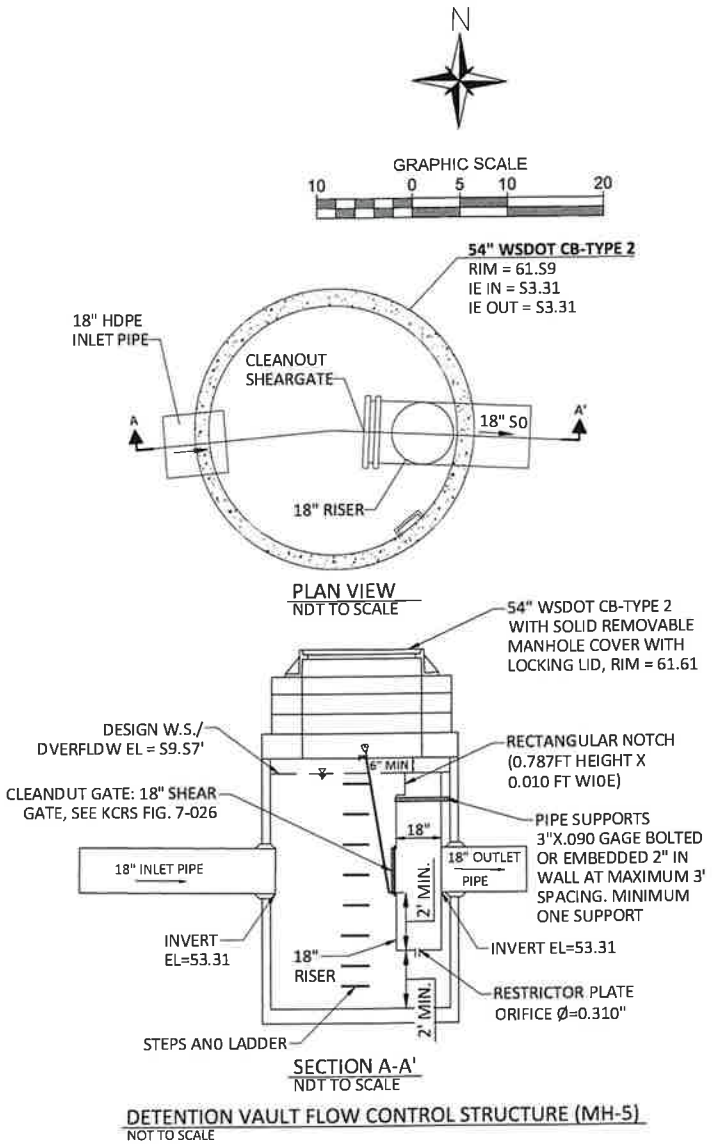
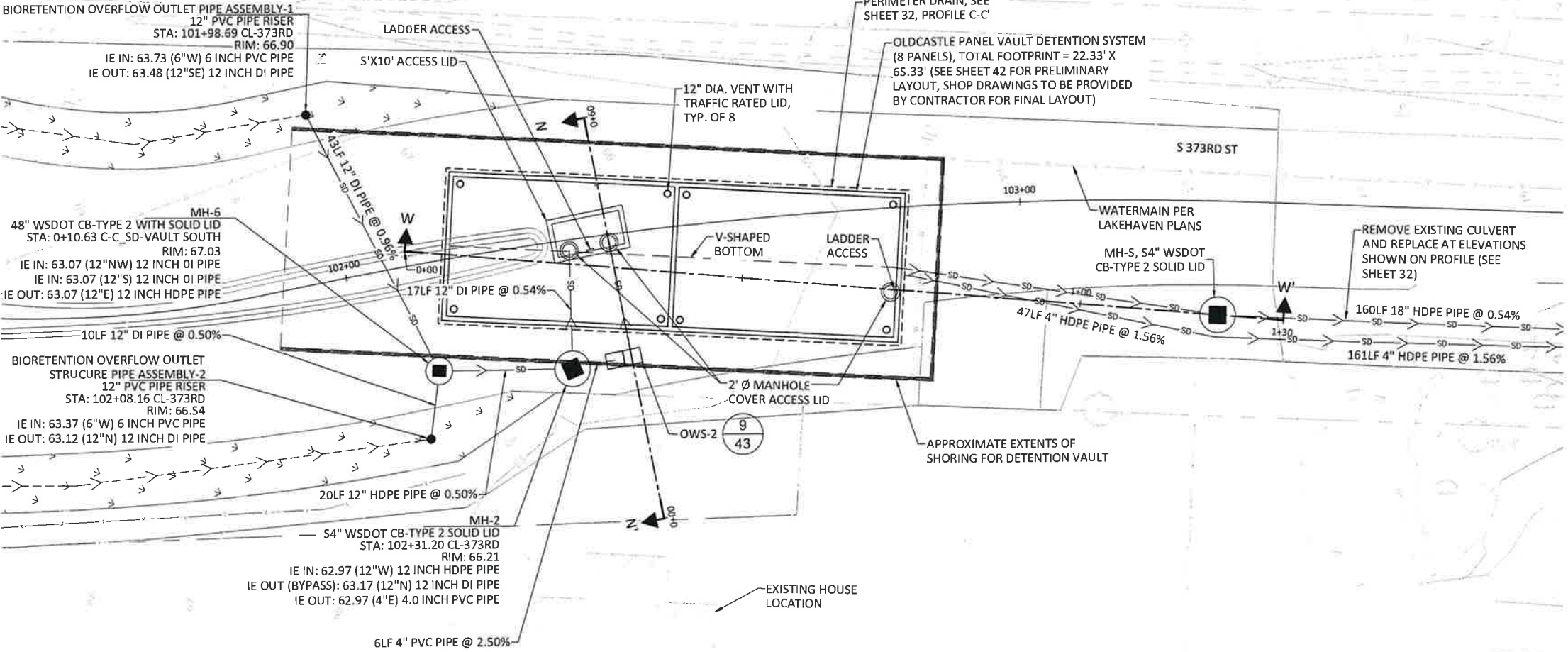
SR 99 AT S 373RD ST ROUNDABOUT

STORMWATER DETAILS

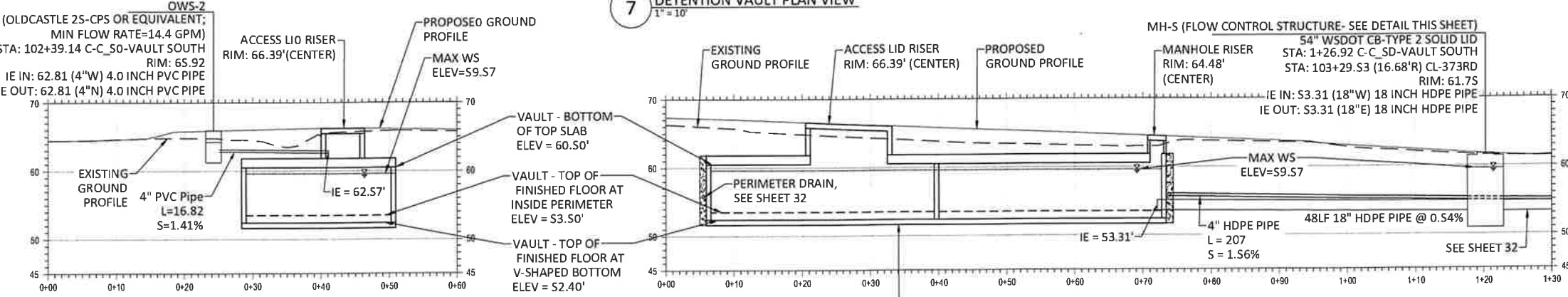
BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 40
OF 93



7 DETENTION VAULT PLAN VIEW
1" = 10'



VAULT NOTES:

1. ALL METAL PARTS MUST BE CORROSION RESISTANT. STEEL PARTS MUST BE STAINLESS STEEL OR ALUMINIZED STEEL.
2. PROVIDE WATER STOP AT ALL CAST-IN-PLACE CONSTRUCTION JOINTS.
3. VAULTS < 10' WIDE MUST USE REMOVABLE LIDS.
4. PREFABRICATED VAULT SECTIONS MAY REQUIRE STRUCTURAL MODIFICATIONS TO SUPPORT 5'X10' OPENING OVER MAIN VAULT. ALTERNATIVELY, ACCESS CAN BE PROVIDED VIA A SIDE VESTIBULE. ACCESS LID TO BE ROAD RATED FOR EXPECTED TRAFFIC/VEHICLES.
5. IF SUMP IS SET BACK FROM WALL, TEE WILL REQUIRE ADDITIONAL 3-POINT BRACING SECURED TO VAULT WALL.
6. CONTRACTOR IS RESPONSIBLE FOR ALL SHORING AND TRENCH SAFETY.
7. MINIMUM INTERNAL HEIGHT OF VAULT, ACCOUNTING FOR SLOPED FLOOR REQUIREMENTS, SHALL BE SEVEN FEET (7') IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2021 KING COUNTY SURFACE WATER DESIGN MANUAL (AMENDED 2024) STANDARDS.
8. THE DETENTION VAULT BOTTOM SHALL SLOPE AT LEAST 5% FROM EACH SIDE TOWARDS THE CENTER, FORMING A BROAD "V" TO FACILITATE SEDIMENT REMOVAL IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2021 KING COUNTY SURFACE WATER DESIGN MANUAL (AMENDED 2024) STANDARDS.
9. PENETRATIONS IN INTERNAL STRUCTURAL WALL TO BE PROVIDED TO ALLOW FLOW THROUGH VAULT CHAMBERS.
10. VENTILATION PIPES AS SHOWN ON THIS SHEET SHALL BE PROVIDED TO ALLOW FOR ARTIFICIAL VENTILATION PRIOR TO ENTRY OF MAINTENANCE PERSONNEL INTO THE VAULT.
11. PERIMETER DRAINS AND/OR BALLAST TO BE INSTALLED AS SHOWN ON THIS SHEET FOR VAULT TO COUNTERACT BUOYANCY. PERIMETER DRAINS WILL COLLECT GROUNDWATER TO DISCHARGE TO AN APPROVED LOCATION. FIELD DETERMINATION OF GROUNDWATER DEPTHS TO BE COMPLETED.

BID SUBMITTAL



155 NE 100TH STREET, SUITE 302
SEATTLE, WASHINGTON 98125
(TEL) 206 631-9880
(FAX) 425 778-3650

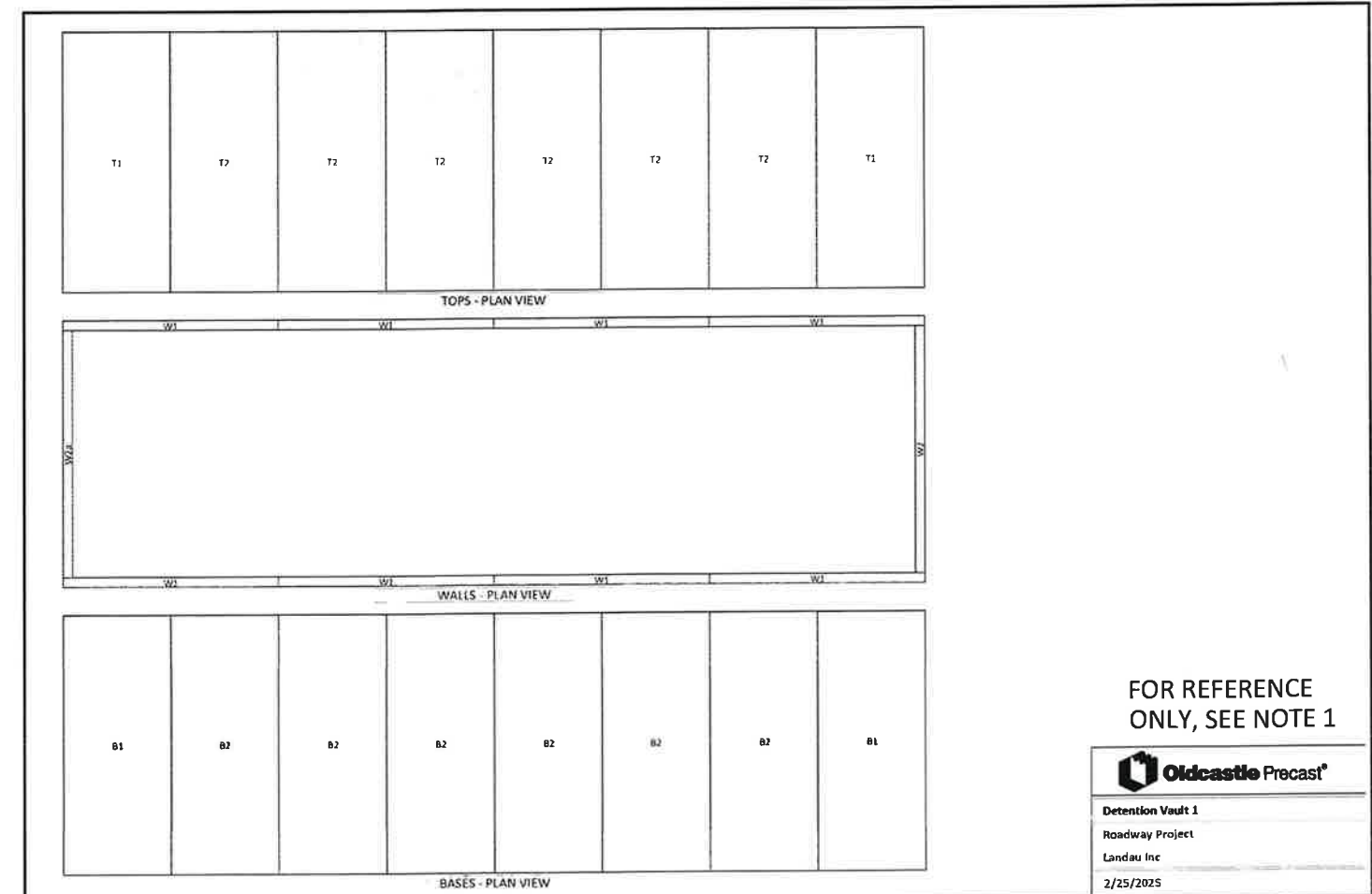
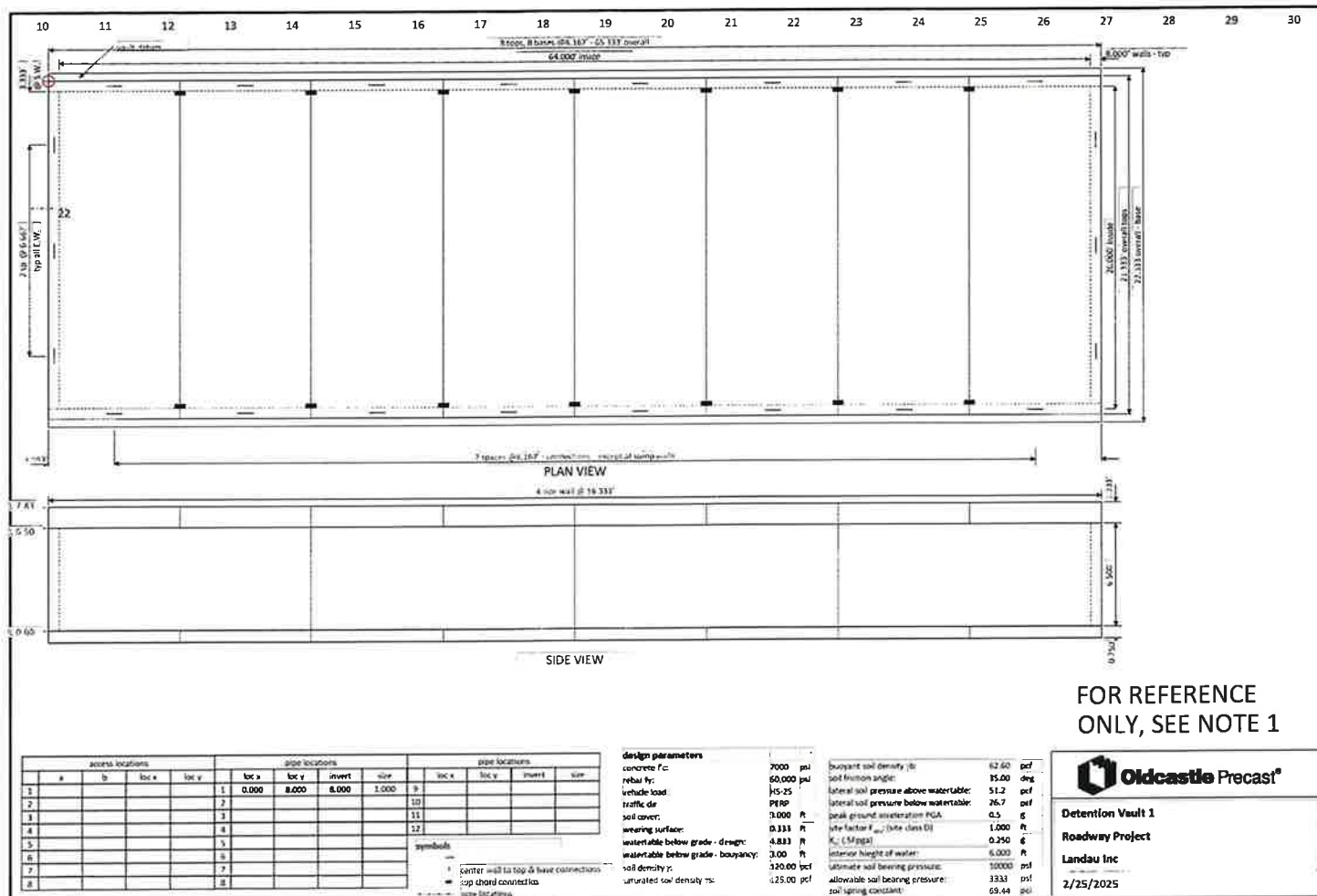


DRAFTED: BMP
DESIGNED: MDS
REVIEWED: WMM
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR 99 AT S 373RD ST ROUNDABOUT		CITY PROJECT #: 36224
STORMWATER DETAILS		SHT. 41 OF 93



8 DETENTION VAULT PLAN VIEW
NTS

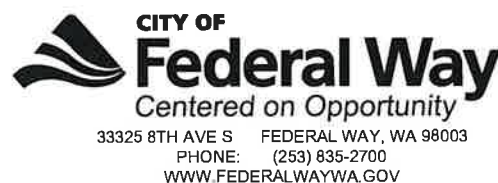
VAULT NOTES:

1. CONTRACTOR SHALL COORDINATE FINAL VAULT DESIGN WITH OLDCASTLE AND SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR REVIEW BY CITY AND PROJECT ENGINEER.



155 NE 100TH STREET, SUITE 302
SEATTLE, WASHINGTON 98125

(TEL) 206 631-8680
(FAX) 425 778-3650



Know what's below.
Call before you dig.

DRAFTED: BMP
DESIGNED: MDS
REVIEWED: WMM
APPROVED:



09/04/26

DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

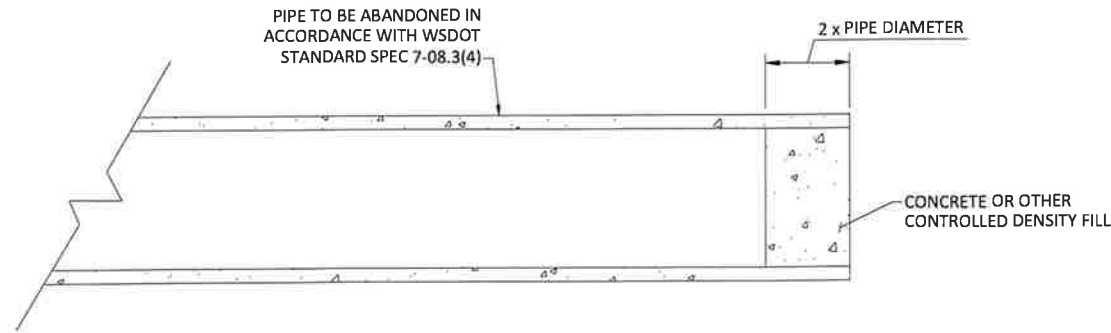
SR 99 AT S 373RD ST ROUNDABOUT

STORMWATER DETAILS

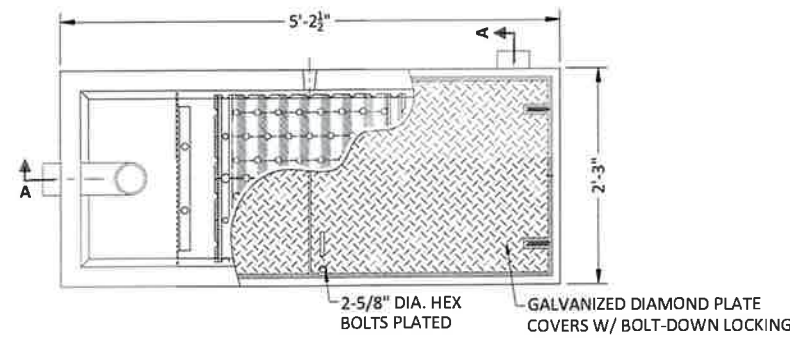
BID SUBMITTAL

CITY PROJECT #:
36224

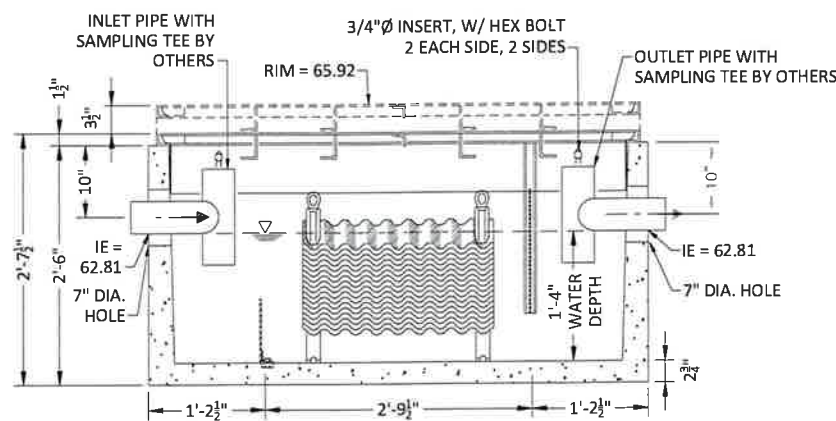
SHT. 42
OF 93



8 ABANDONED PIPE DETAIL
NOT TO SCALE



PLAN VIEW

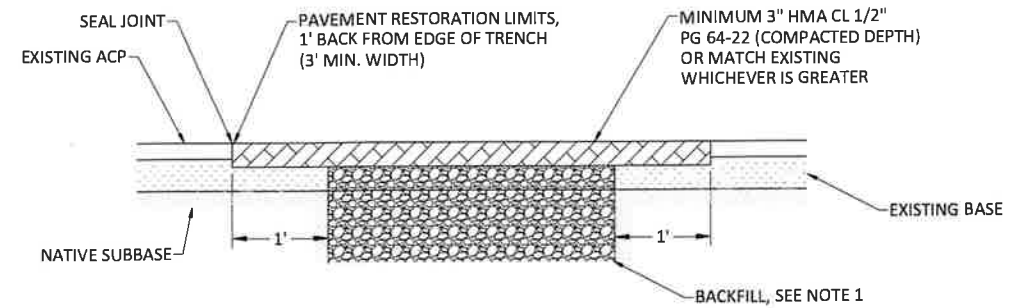


SECTION AA

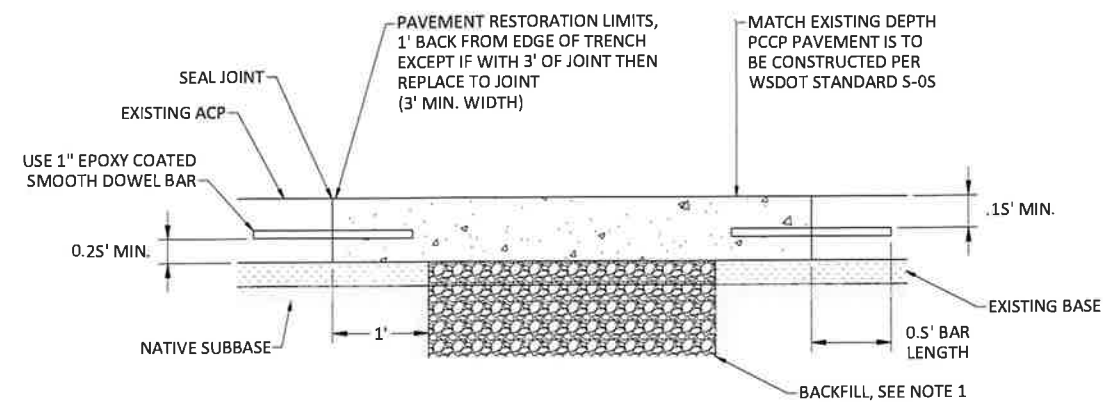
9 OIL/WATER SEPARATOR (OWS-2)
NOT TO SCALE

NOTES

1. ALL BAFFLES AND WEIRS TO BE 3/16" STEEL PLATE
2. STATIC WATER DEPTH = 1'-4"
3. CONTRACTOR TO:
 - SUPPLY AND INSTALL ALL PIPING & SAMPLING TEES
 - GROUT IN ALL PIPES
 - FILL WITH CLEAN WATER PRIOR TO "START-UP" OF SYSTEM
 - VERIFY ALL BLOCKOUT SIZES AND LOCATIONS



ACP TRENCH RESTORATION



PCCP TRENCH RESTORATION

NOTES

1. BACKFILL SHALL BE IN ACCORDANCE WITH SHEET 37, DETAIL 6.
2. THIS DETAIL IS APPLICABLE TO TRANSVERSE AND LONGITUDINAL TRENCHES.
3. THIS DETAIL DOES NOT APPLY TO WSDOT DESIGNATED STATE ROUTES. FOR TRENCHES ON WSDOT DESIGNATED STATE ROUTES, SEE SHEET 36, DETAIL 3.
4. IF CONCRETE PANELS ARE ENCOUNTERED DURING TRENCHING, TRENCH SHALL BE RESTORED PER THE PCCP TRENCH RESTORATION DETAIL.
5. THIS DETAIL COPIED FROM CITY OF FEDERAL WAY STD. DETAIL FW.BSS.20-D (REVISED JUNE 2024).

10 TRENCH RESTORATION
NOT TO SCALE



155 NE 100TH STREET, SUITE 302
SEATTLE, WASHINGTON 98125
(TEL) 206 631-8680
(FAX) 425 778-3650



DRAFTED: BMP
DESIGNED: MDS
REVIEWED: WMM
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR 99 AT S 373RD ST ROUNDABOUT

STORMWATER DETAILS

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 43
OF 93

PLANT SUMMARY

SYMBOL COMMON NAME

CONIFEROUS TREES

- INCENSE CEDAR 6' HT.
INCENSE CEDAR 8'-10' HT.

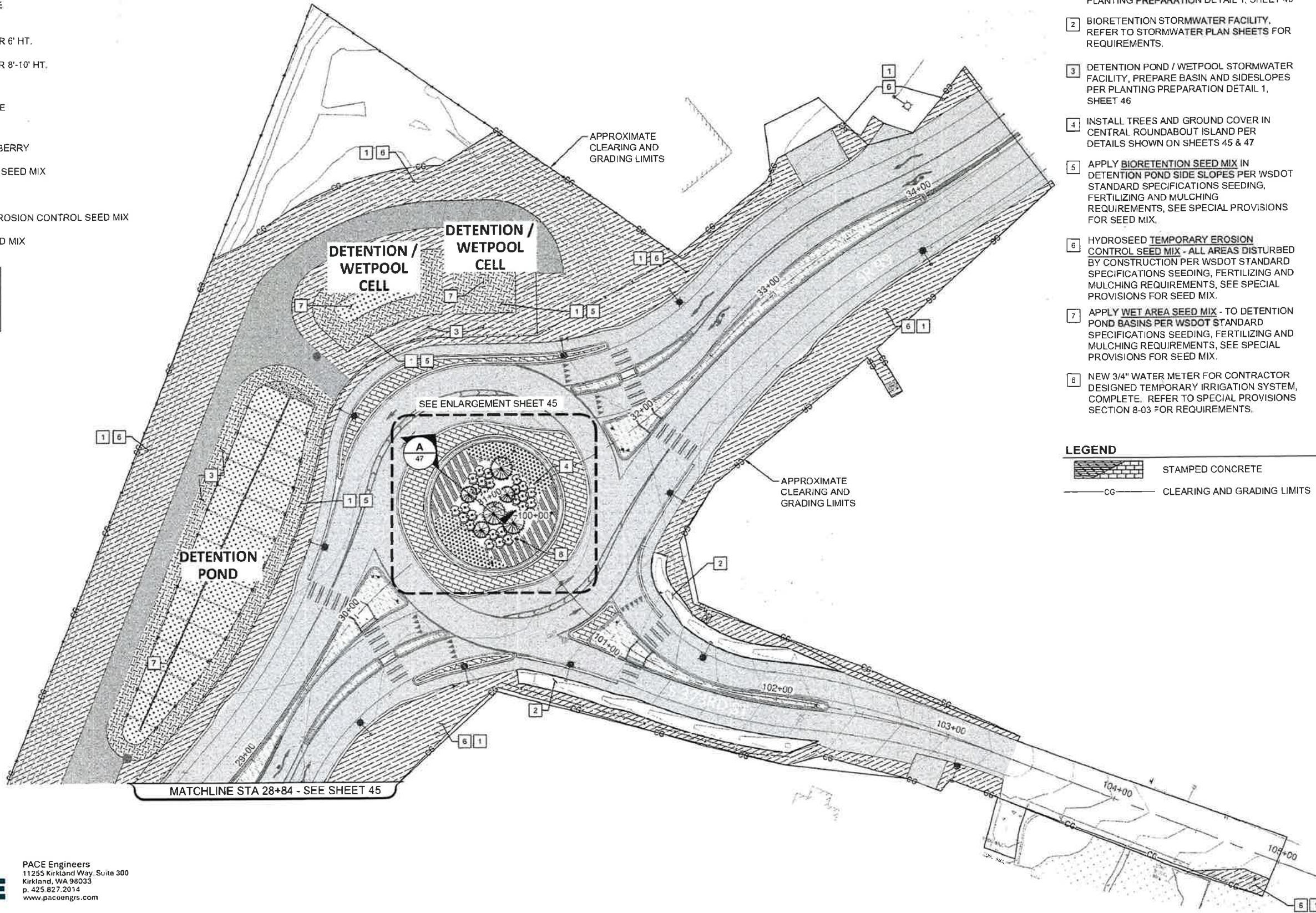
SHRUBS

- OREGON GRAPE

GROUND COVERS

- BEACH STRAWBERRY
BIORETENTION SEED MIX
KINNIKINNICK
TEMPORARY EROSION CONTROL SEED MIX
WET AREA SEED MIX

REFER TO SHEET 46 FOR FULL PLANT SCHEDULE & GENERAL LANDSCAPE NOTES. REFER TO SHEET 47 FOR DETAILS.



LANDSCAPE CONSTRUCTION:

1. PREPARE PLANTING AREA AS SHOWN IN PLANTING PREPARATION DETAIL 1, SHEET 46
2. BIORETENTION STORMWATER FACILITY. REFER TO STORMWATER PLAN SHEETS FOR REQUIREMENTS.
3. DETENTION POND / WETPOOL STORMWATER FACILITY. PREPARE BASIN AND SIDESLOPES PER PLANTING PREPARATION DETAIL 1, SHEET 46
4. INSTALL TREES AND GROUND COVER IN CENTRAL ROUNDABOUT ISLAND PER DETAILS SHOWN ON SHEETS 45 & 47
5. APPLY BIORETENTION SEED MIX IN DETENTION POND SIDE SLOPES PER WSDOT STANDARD SPECIFICATIONS SEEDING, FERTILIZING AND MULCHING REQUIREMENTS, SEE SPECIAL PROVISIONS FOR SEED MIX.
6. HYDROSEED TEMPORARY EROSION CONTROL SEED MIX - ALL AREAS DISTURBED BY CONSTRUCTION PER WSDOT STANDARD SPECIFICATIONS SEEDING, FERTILIZING AND MULCHING REQUIREMENTS, SEE SPECIAL PROVISIONS FOR SEED MIX.
7. APPLY WET AREA SEED MIX - TO DETENTION POND BASINS PER WSDOT STANDARD SPECIFICATIONS SEEDING, FERTILIZING AND MULCHING REQUIREMENTS, SEE SPECIAL PROVISIONS FOR SEED MIX.
8. NEW 3/4" WATER METER FOR CONTRACTOR DESIGNED TEMPORARY IRRIGATION SYSTEM, COMPLETE. REFER TO SPECIAL PROVISIONS SECTION 8-03 FOR REQUIREMENTS.

CITY OF FEDERAL WAY
PLANTING REQUIREMENTS

1. ALL TREES SHALL BE CONTAINER GROWN, BALLED AND BURLAP OR BAGGED TREES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
2. ALL PLANT MATERIALS SHALL BE INSPECTED AND APPROVED BY THE CITY PRIOR TO INSTALLATION.
3. ALL NEW LANDSCAPE AREAS SHALL INCORPORATE SOIL AMENDMENTS AS DESCRIBED IN THE SPECIFICATIONS.
4. ALL GRASS AND LANDSCAPE AREAS SHALL CONTAIN AT LEAST FOUR INCHES OF TOPSOIL AT FINISHED GRADE. ADDITIONAL DEPTHS ARE REQUIRED IN THE ROUNDABOUT CENTER ISLAND AND THE BIORETENTION SWALES. LANDSCAPE AREAS SHALL BE COVERED WITH THREE INCHES OF MULCH.

LEGEND

- STAMPED CONCRETE
CLEARING AND GRADING LIMITS
STREET LIGHT
STREET SIGN



PACE Engineers
11255 Kirkland Way, Suite 300
Kirkland, WA 98033
p. 425.827.2014
www.paceengrs.com

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: ET
DESIGNED: ET
REVIEWED: BW
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

LANDSCAPE PLAN

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 44
OF 93

PLANT SUMMARY

SYMBOL COMMON NAME

CONIFEROUS TREES

- INCENSE CEDAR 6' HT.
INCENSE CEDAR 8'-10' HT.

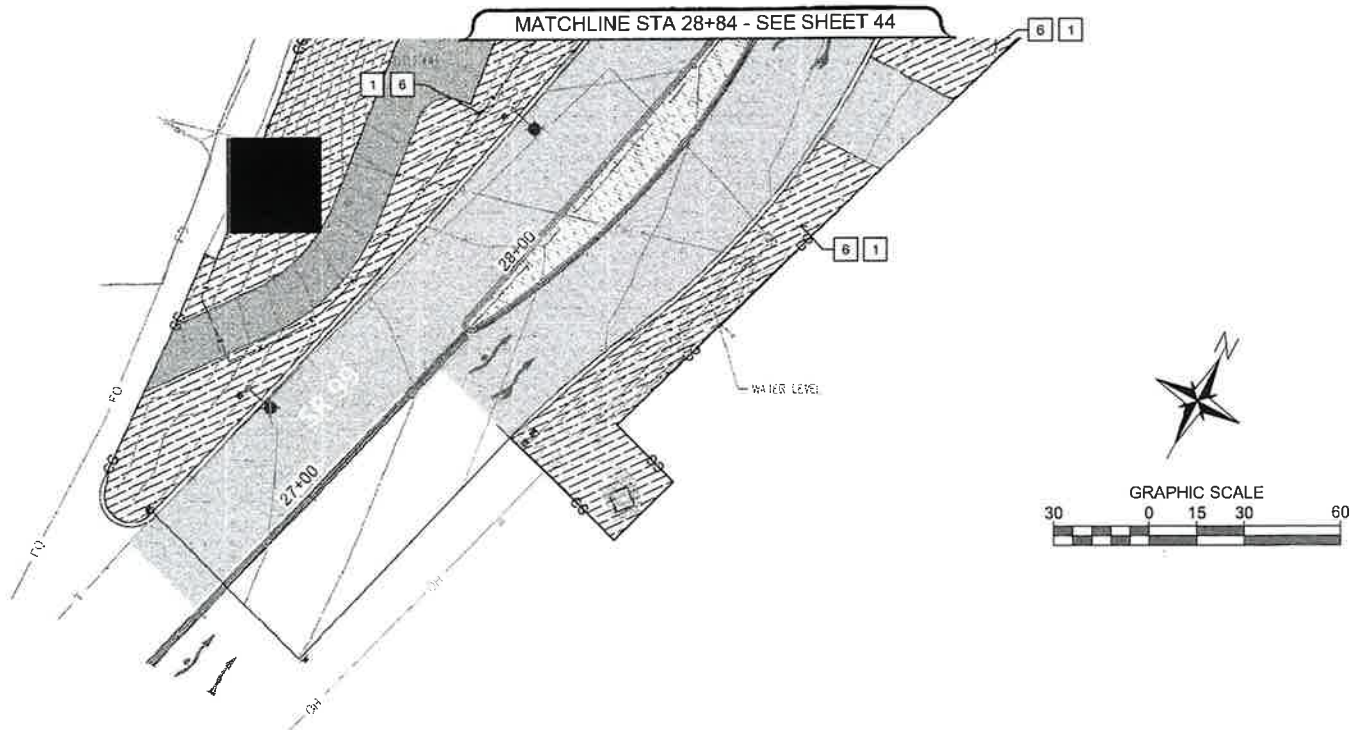
SHRUBS

- OREGON GRAPE

GROUND COVERS

- BEACH STRAWBERRY
BIORETENTION SEED MIX
KINNIKINNICK
TEMPORARY EROSION CONTROL SEED MIX
WET AREA SEED MIX

REFER TO SHEET 46 FOR
FULL PLANT SCHEDULE &
GENERAL LANDSCAPE
NOTES. REFER TO SHEET
47 FOR DETAILS.



LANDSCAPE CONSTRUCTION:

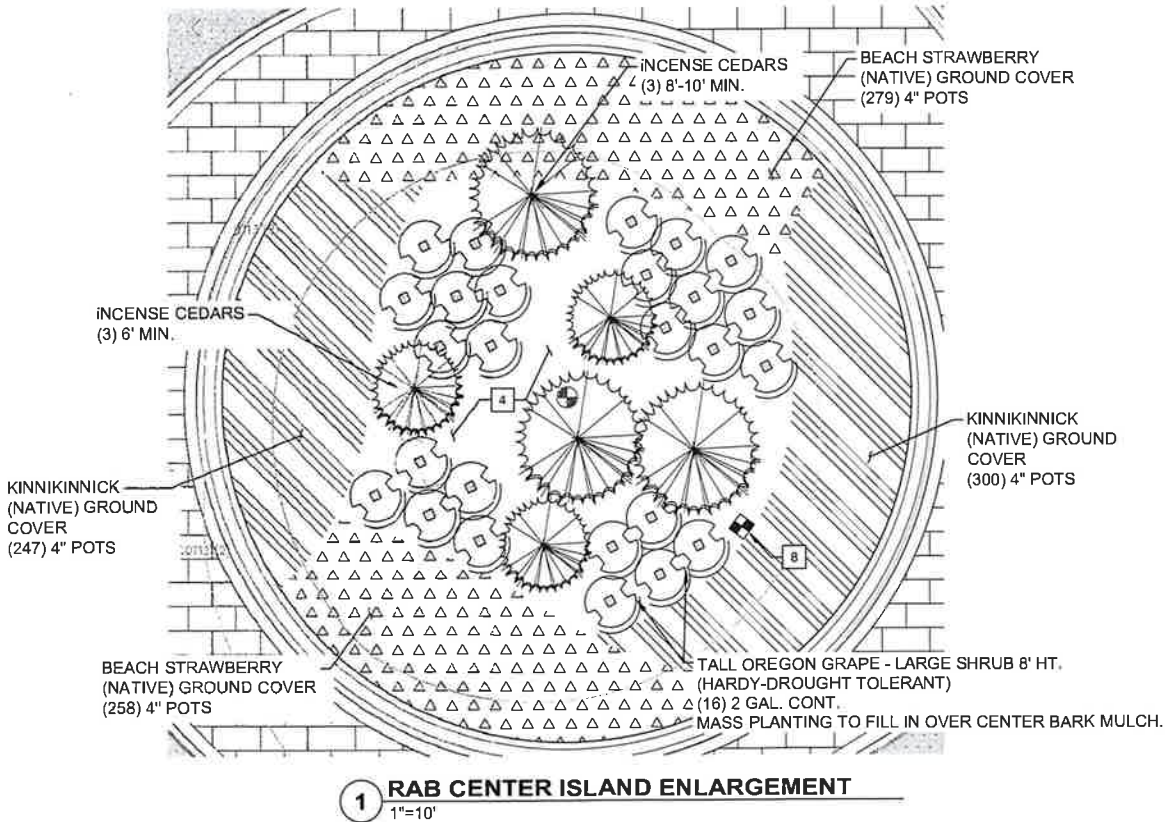
- 1 PREPARE PLANTING AREA AS SHOWN IN PLANTING PREPARATION DETAIL 1, SHEET 46
- 2 NOT USED
- 3 NOT USED
- 4 INSTALL TREES AND GROUND COVER IN CENTRAL ROUNDABOUT ISLAND PER DETAILS SHOWN ON SHEETS 45 & 47
- 5 NOT USED
- 6 HYDROSEED **TEMPORARY EROSION CONTROL SEED MIX** - ALL AREAS DISTURBED BY CONSTRUCTION PER WSDOT STANDARD SPECIFICATIONS SEEDING, FERTILIZING AND MULCHING REQUIREMENTS. SEE SPECIAL PROVISIONS FOR SEED MIX.
- 7 NOT USED
- 8 NEW 3/4" WATER METER FOR CONTRACTOR DESIGNED TEMPORARY IRRIGATION SYSTEM, COMPLETE. REFER TO SPECIAL PROVISIONS SECTION 8-03 FOR REQUIREMENTS.

CITY OF FEDERAL WAY
PLANTING REQUIREMENTS

1. ALL TREES SHALL BE CONTAINER GROWN, BALLED AND BURLAP OR BAGGED TREES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
2. ALL PLANT MATERIALS SHALL BE INSPECTED AND APPROVED BY THE CITY PRIOR TO INSTALLATION.
3. ALL NEW LANDSCAPE AREAS SHALL INCORPORATE SOIL AMENDMENTS AS DESCRIBED IN THE SPECIFICATIONS.
4. ALL GRASS AND LANDSCAPE AREAS SHALL CONTAIN AT LEAST FOUR INCHES OF TOPSOIL AT FINISHED GRADE. ADDITIONAL DEPTHS ARE REQUIRED IN THE ROUNDABOUT CENTER ISLAND AND THE BIORETENTION SWALES. LANDSCAPE AREAS SHALL BE COVERED WITH THREE INCHES OF MULCH.

LEGEND

- STAMPED CONCRETE
CLEARING AND GRADING LIMITS
STREET LIGHT
STREET SIGN



PACE Engineers
11255 Kirkland Way, Suite 300
Kirkland, WA 98033
p. 425.827.2014
www.paceengrs.com

1 RAB CENTER ISLAND ENLARGEMENT
1"=10'

BID SUBMITTAL

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: ET
DESIGNED: ET
REVIEWED: BW
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

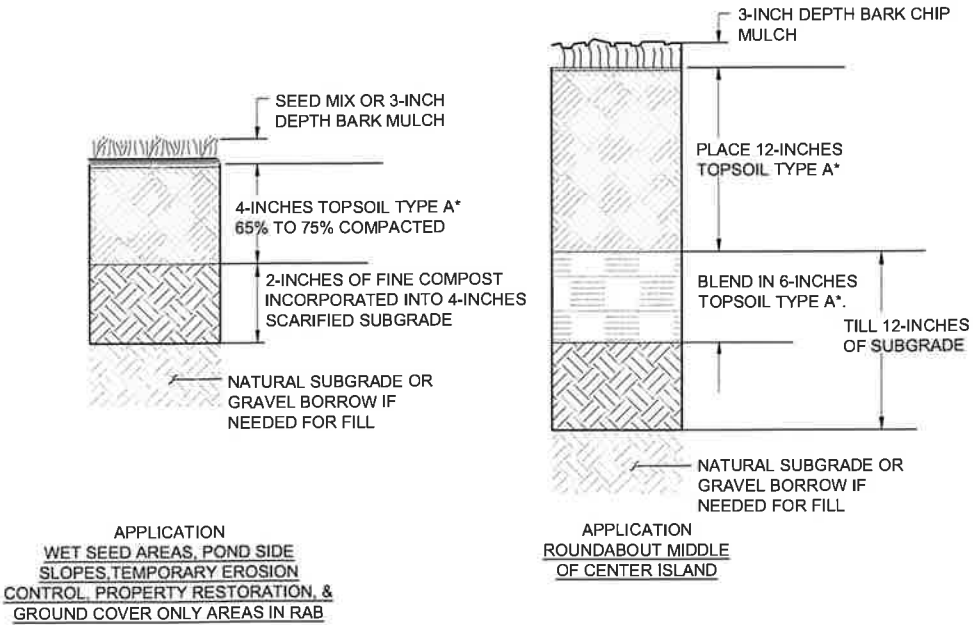
LANDSCAPE PLAN

CITY PROJECT #:
36224

SHT. 45
OF 93

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME		COMMON NAME	SIZE		QTY	REMARKS
CONIFEROUS TREES							
	CALOCEDRUS DECURRENS		INCENSE CEDAR 6' HT.	6' HT. MIN		3	
	CALOCEDRUS DECURRENS		INCENSE CEDAR 8'-10' HT.	8'-10' HT. MIN.		3	
SHRUBS							
	MAHONIA AQUIFOLIUM		OREGON GRAPE	2 GAL		26	
SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	REMARKS
GROUND COVERS							
	AU	ARCTOSTAPHYLOS UVA-URSI	KINNIKINNICK	4" POT	18" o.c.	547	NATIVE
	FC	FRAGARIA CHILOENSIS	BEACH STRAWBERRY	4" POT	18" o.c.	537	NATIVE
	B	SEED MIX B	BIORETENTION SEED MIX	---		7,860 SF	
	FA2	SEED MIX C	WET AREA SEED MIX	---		8,195 SF	
	FR	SEED MIX D	TEMPORARY EROSION CONTROL SEED MIX	---		47,087 SF	



- 1 PLANTING PREPARATION NTS SEE WSDOT STANDARD SPECIFICATIONS SECTION 8-02.3(5) FOR ADDITIONAL REQUIREMENTS.
- * TOPSOIL TYPE A IS DEFINED IN THE SPECIAL PROVISIONS TO THE WSDOT STD SPECIFICATIONS. REFER TO SECTION 9-14.2(1) FOR REQUIREMENTS.

GENERAL LANDSCAPE NOTES:

1. A TEMPORARY AUTOMATIC IRRIGATION SYSTEM IS PLANNED FOR THIS PROJECT FOR THE PURPOSES OF PLANT ESTABLISHMENT IN THE ROUNDABOUT CENTER ISLAND. PRIOR TO PLANT INSTALLATION, THE TEMPORARY IRRIGATION SYSTEM SHALL BE COMPLETED AND FULLY FUNCTIONAL. REFER TO SECTION 8-03 OF THE SPECIFICATIONS FOR REQUIREMENTS.
2. GRADING SHALL BE ACCEPTED PRIOR TO PLANT INSTALLATION. FINISHED GRADE FOR NEW PLANTING AREAS SHALL ALLOW FOR TOPSOIL AND BARK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND HAULING ALL EXTRA DEBRIS AND EXCESS SOIL GENERATED BY THIS PROJECT.
4. ALL PLANT SIZES NOTED FOR HEIGHT, SPREAD AND CALIPER ARE MINIMUM REQUIREMENTS.
5. PLANT SUBSTITUTIONS (CULTIVARS, VARIETIES OR QUANTITIES) SHALL NOT BE MADE UNLESS PERMITTED IN WRITING FROM CITY.
6. PLANTING SHALL CONFORM TO WSDOT STD SPECIFICATION SECTION 8-02.3(8),
7. PLANT MATERIAL SHALL CONFORM TO WSDOT STD SECTION 9-14.7.
8. PLANTING AREA PREPARATIONS SHALL CONFORM TO WSDOT STD SPECIFICATION SECTION 8-02.3(5) AND THE DETAILS PROVIDED.
9. LAYOUT OF PLANT MATERIAL SHALL CONFORM TO WSDOT STD SPECIFICATION SECTION 8-02.3(7).
10. SEEDING, FERTILIZING, AND MULCHING, SHALL CONFORM TO WSDOT STD. SPECIFICATION 8-02.3(9).
11. PLANTING DATES AND CONDITIONS:
 - A. ALL PLANT MATERIAL SHALL BE INSTALLED BETWEEN THE DATES OF OCTOBER 1, THROUGH MARCH 1ST AND CONFORMING TO THE CONDITIONS NOTED IN WSDOT STANDARD SPECIFICATIONS SECTION 8-02.3(8) UNLESS OTHERWISE APPROVED BY THE PROJECT ENGINEER.
 - B. APPLICATION OF SEED SHALL OCCUR BETWEEN THE DATES OF MARCH 1 THROUGH MAY 15, OR SEPTEMBER 1 THROUGH OCTOBER 1 AND CONFORMING TO THE CONDITIONS NOTED IN WSDOT STANDARD SPECIFICATIONS 8-02.3(9).

TOPSOIL TYPE A , FERTILIZER, MULCH AND ROOT BARRIERS

12. TOPSOIL TYPE A SHALL CONFORM TO THE SPECIAL PROVISIONS, REFER TO SECTION 9-14.2(1) FOR REQUIREMENTS.
13. ALL PLANTING TO BE FERTILIZED AFTER PLANTING AS REQUIRED BY THE STANDARD SPECIFICATIONS, REFER TO SECTION 8-02.3(9)B FERTILIZER FOR APPLICATION REQUIREMENTS, SECTION 9-14.4 FOR MATERIAL REQUIREMENTS.
14. BARK CHIP MULCH SHALL CONFORM TO THE SPECIAL PROVISIONS TO THE STANDARD SPECIFICATION, REFER TO SECTION 9-14.5(3) FOR REQUIREMENTS.
15. ROOT BARRIER TO BE 18-INCHES DEEP, MODEL UB-18-2 BY DEEPROOT, OR APPROVED EQUAL. REFER TO SPECIAL PROVISIONS SECTION 9-14.9 FOR PRODUCT REQUIREMENTS.
16. FINE COMPOST SHALL CONFORM TO SECTION 9-14.5(8) IN WSDOT STANDARD SPECIFICATIONS.



PACE Engineers
11255 Kirkland Way, Suite 300
Kirkland, WA 98033
p. 425.827.2014
www.paceengrs.com



DRAFTED: ET
DESIGNED: ET
REVIEWED: BW
APPROVED:



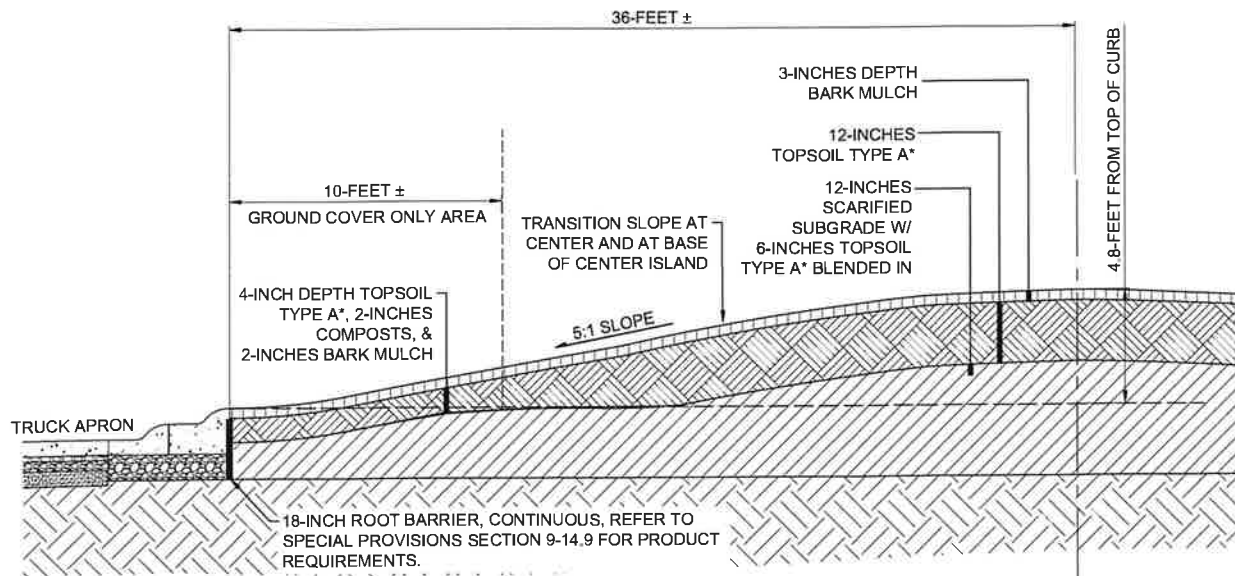
DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

PLANT SCHEDULE & NOTES

BID SUBMITTAL

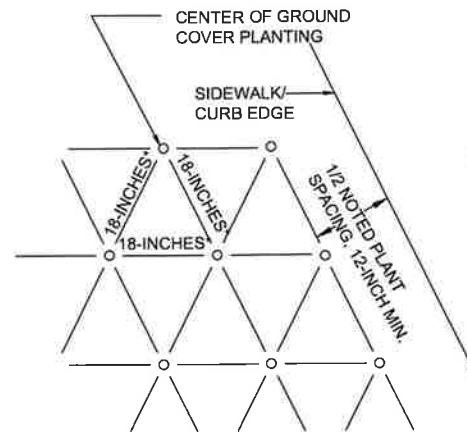
CITY PROJECT #:
36224
SHT. 46
OF 93



A ROUNDABOUT CENTER ISLAND LANDSCAPE GRADES

NTS

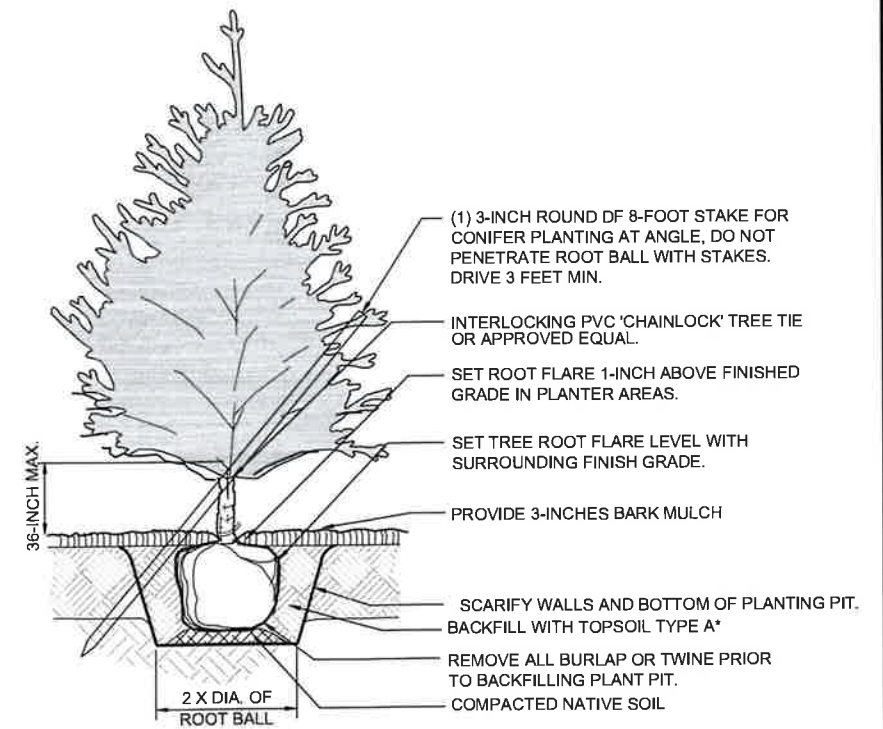
* TOPSOIL TYPE A IS DEFINED IN THE SPECIAL PROVISIONS TO THE WSDOT STD SPECIFICATIONS, REFER TO SECTION 9-14.2(1) FOR REQUIREMENTS.



1 GROUND COVER SPACING

NTS

*SPACING INDICATED SHALL BE USED FOR GROUND COVER PLANTING SPECIFIED FOR THIS PROJECT.



2 CONIFER PLANTING DETAIL

NTS

* TOPSOIL TYPE A IS DEFINED IN THE SPECIAL PROVISIONS TO THE WSDOT STD SPECIFICATIONS, REFER TO SECTION 9-14.2(1) FOR REQUIREMENTS.



PACE Engineers
11255 Kirkland Way, Suite 300
Kirkland, WA 98033
p. 425.827.2014
www.paceengrs.com

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: ET
DESIGNED: ET
REVIEWED: BW
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

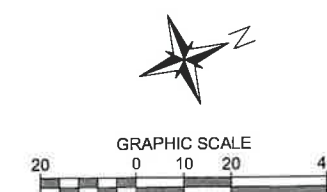
SR99 AT S 373RD ST ROUNDABOUT

LANDSCAPE DETAILS

BID SUBMITTAL

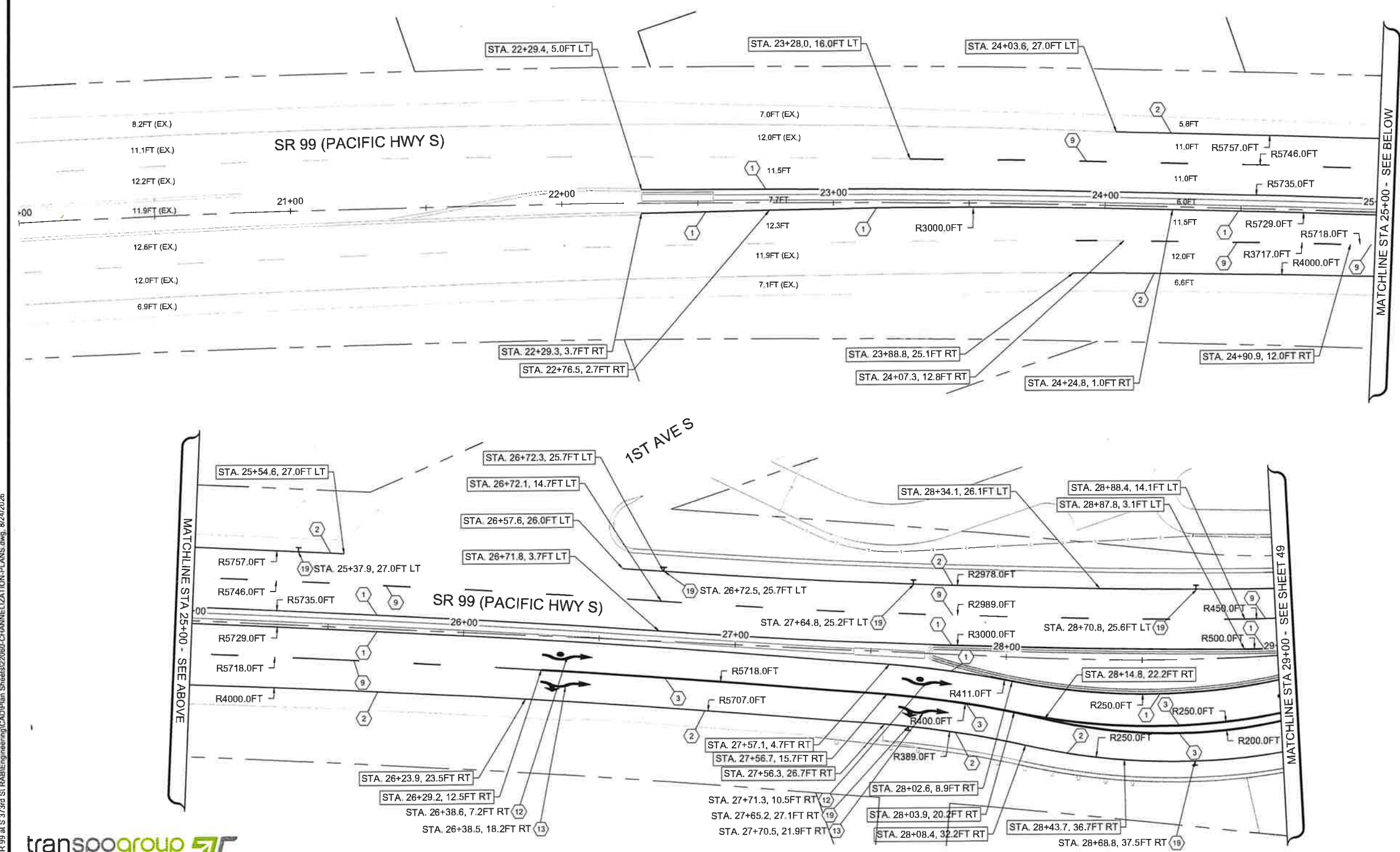
CITY PROJECT #:
36224

SHT. 47
OF 93



- LEGEND**
- | DESCRIPTION | EXISTING | PROPOSED |
|------------------------|----------|----------|
| RIGHT-OF-WAY | --- | --- |
| CHANNELIZATION FEATURE | --- | --- |
- # PAVEMENT MARKING NOTES (THIS SHEET ONLY)**
- 1 4" YELLOW PROFILED PLASTIC EDGE LINE (TYPE D WITH TYPE 2YR RPMS) PER COFW STANDARD DETAIL FW.M20.30.
 - 2 4" WHITE PLASTIC EDGE LINE (TYPE D PER COFW STANDARD DETAIL FW.M20.30).
 - 3 8" WHITE PROFILED PLASTIC WIDE LINE (TYPE D WITH TYPE 2WR RPMS) PER COFW STANDARD DETAIL FW.M20.40.
 - 9 4" WHITE PROFILED PLASTIC LANE LINE (TYPE D WITH TYPE 2WR RPMS) PER COFW STANDARD DETAIL FW.M20.40.
 - 12 WHITE PLASTIC TYPE TC TRAFFIC ARROW PER DETAIL ON SHEET 52.
 - 13 WHITE PLASTIC TYPE TR TRAFFIC ARROW PER DETAIL ON SHEET 52.
 - 19 INSTALL DRAINAGE MARKING SYMBOL PER WSDOT STANDARD PLAN M-24.60.

- PAVEMENT MARKING NOTES**
- ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED PAVEMENT MARKINGS, OR AS DIRECTED BY THE ENGINEER, SHALL BE REMOVED. EXISTING PAVEMENT MARKINGS TO REMAIN THAT ARE DAMAGED OR OTHERWISE ALTERED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED BY THE CONTRACTOR. NO PAVING OVER PLASTIC MARKINGS. REMOVE ALL EXISTING PAVEMENT MARKINGS WHERE PAVING WILL OCCUR.
 - STATIONING FOR ALL PAVEMENT MARKING SYMBOLS AND LETTERING IS MEASURED TO THE CENTER OF THE SYMBOL. ALL SYMBOLS AND LETTERING SHALL BE PERPENDICULAR TO ADJACENT LANE STRIPING AND CENTERED WITHIN THE LANE UNLESS OTHERWISE NOTED.



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV

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

DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:

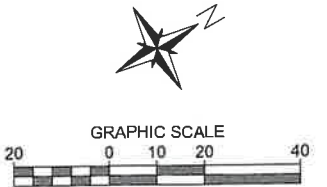
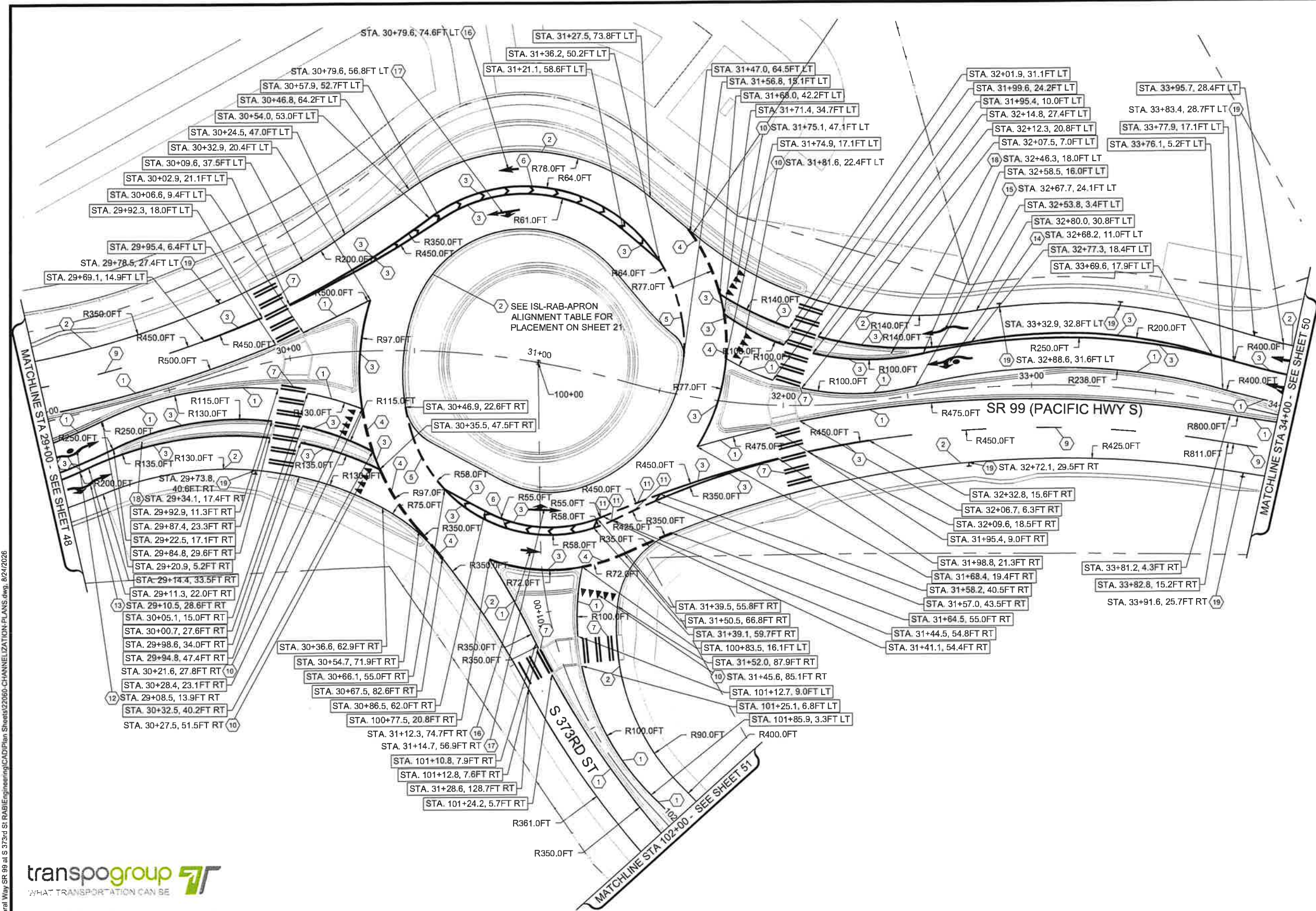


DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT		CITY PROJECT #: 36224
PAVEMENT MARKING PLAN		SHT. 48 OF 93

\\nrc-dfw\proj\1211 22060.00 - Federal Way SR 99 at S 373rd St\RA\Engineering\CAD\Plan Sheets\22060-CHANNELIZATION-PLANS.dwg, 8/24/2026

\\nev-dfw-wp\Projects\2211 22060 00 - Federal Way SR 99 at S 373rd St\RAE\Engineering\CAD\Plan Sheets\22060 CHANNELIZATION PLANS.dwg, 8/24/2026



- LEGEND**
- | DESCRIPTION | EXISTING | PROPOSED |
|------------------------|----------|----------|
| RIGHT-OF-WAY | --- | --- |
| CHANNELIZATION FEATURE | --- | --- |
- # PAVEMENT MARKING NOTES (THIS SHEET ONLY)**
- 4" YELLOW PROFILED PLASTIC EDGE LINE (TYPE D WITH TYPE 2YR RPMS) PER COFW STANDARD DETAIL FW.M20.30.
 - 4" WHITE PLASTIC EDGE LINE (TYPE D PER COFW STANDARD DETAIL FW.M20.30.
 - 8" WHITE PROFILED PLASTIC WIDE LINE (TYPE D WITH TYPE 2YR RPMS) PER COFW STANDARD DETAIL FW.M20.40.
 - 12" WHITE FLAT PLASTIC WIDE DOTTED ENTRY LINE PER WSDOT STANDARD PLAN M-20.10-04.
 - 8" WHITE FLAT PLASTIC WIDE DOTTED CIRCULATING LANE LINE PER WSDOT STANDARD PLAN M-20.10-04.
 - 8" WHITE PLASTIC (TYPE D) DIAGONAL CROSSHATCH MARKING AT 10' SPACING PER WSDOT STANDARD PLAN M-24.60-04.
 - 10' WHITE PLASTIC (TYPE A) CROSSWALK PER COFW STANDARD DETAIL FW.M15.10.
 - 4" WHITE PROFILED PLASTIC LANE LINE (TYPE D WITH TYPE 2YR RPMS) PER COFW STANDARD DETAIL FW.M20.40.
 - WHITE PLASTIC YIELD LINE (TYPE 2) PER WSDOT STANDARD PLAN M-24.60-04.
 - 8" WHITE PLASTIC STRONG LANE LINE (TYPE D) PER WSDOT STANDARD PLAN M-20.10-04.
 - WHITE PLASTIC TYPE TC TRAFFIC ARROW PER DETAIL ON SHEET 52.
 - WHITE PLASTIC TYPE TR TRAFFIC ARROW PER DETAIL ON SHEET 52.
 - WHITE PLASTIC TYPE TLC TRAFFIC ARROW PER DETAIL ON SHEET 52.
 - WHITE PLASTIC TYPE T TRAFFIC ARROW PER DETAIL ON SHEET 52.
 - WHITE PLASTIC TYPE 1S TRAFFIC ARROW PER WSDOT STANDARD PLAN M-24.40-02.
 - WHITE PLASTIC TYPE 3SL TRAFFIC ARROW PER WSDOT STANDARD PLAN M-24.40-02.
 - INSTALL SURFACE MOUNTED FLEXIBLE GUIDE POST WHITE PER WSDOT STANDARD PLAN M-40.10.
 - INSTALL DRAINAGE MARKING SYMBOL PER WSDOT STANDARD PLAN M-24.60.

transpogroup 
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3555
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:



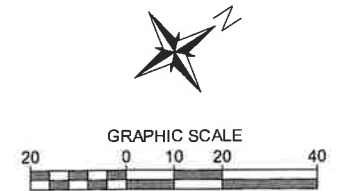
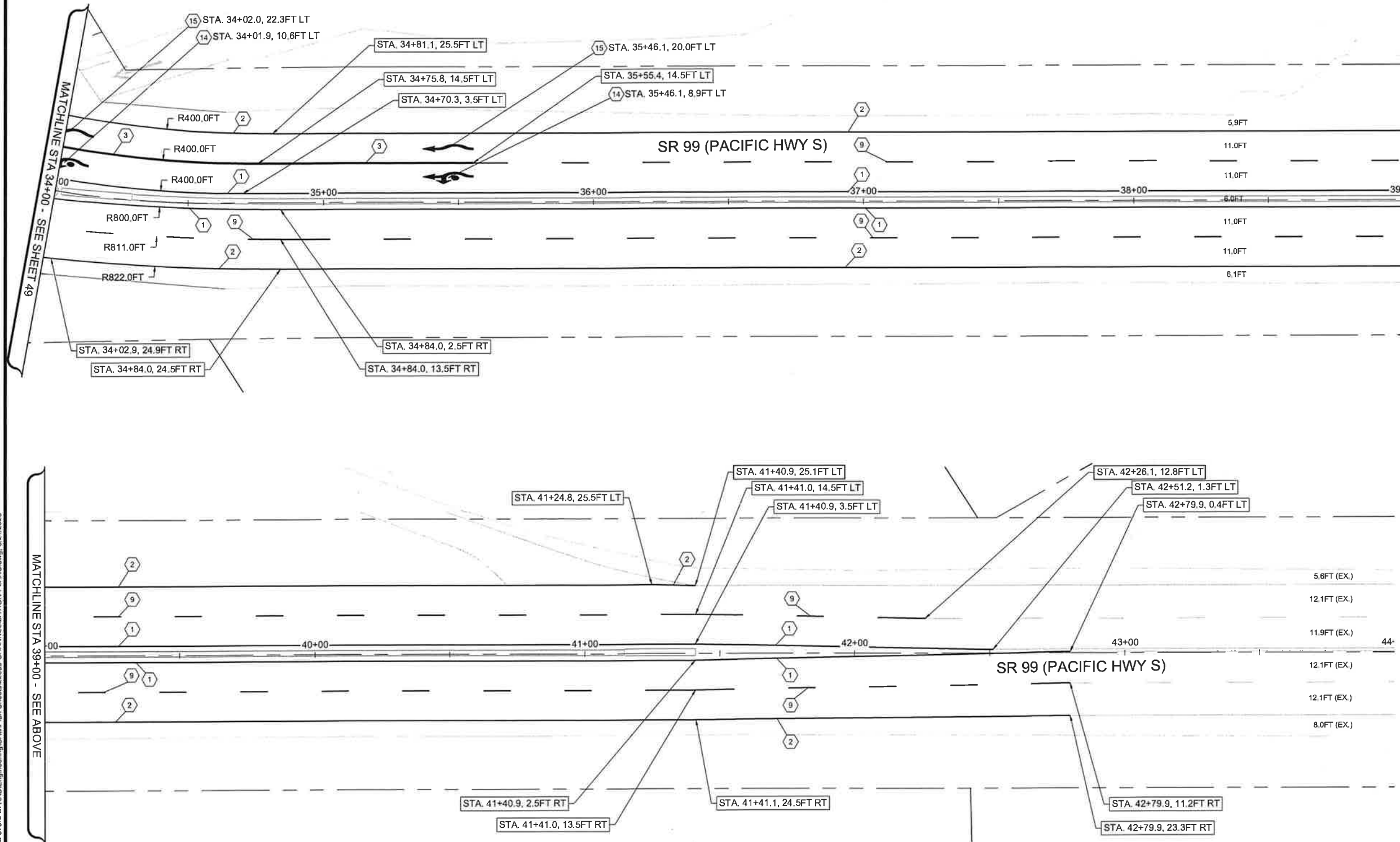
DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT		CITY PROJECT #:
PAVEMENT MARKING PLAN		36224
		SHT. 49
		OF 93

UNOFFICIAL COPY Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com

UNOFFICIAL COPY Official bid documents, plan holder's list, and addenda (if applicable)

\\srv-dfs-wa\Projects\22060.00 - Federal Way SR 99 at S 373rd St\RA\Engineering\CAD\Plan Sheets\22060-CHANNELIZATION-PLANS.dwg, 8/24/2026



LEGEND

DESCRIPTION	EXISTING	PROPOSED
RIGHT-OF-WAY	---	---
CHANNELIZATION FEATURE	---	---

PAVEMENT MARKING NOTES (THIS SHEET ONLY)

- 4" YELLOW PROFILED PLASTIC EDGE LINE (TYPE D WITH TYPE 2YR RPMS) PER COFW STANDARD DETAIL FW.M20.30.
- 4" WHITE PLASTIC EDGE LINE (TYPE D PER COFW STANDARD DETAIL FW.M20.30.
- 8" WHITE PROFILED PLASTIC WIDE LINE (TYPE D WITH TYPE 2WR RPMS) PER COFW STANDARD DETAIL FW.M20.40.
- 4" WHITE PROFILED PLASTIC LANE LINE (TYPE D WITH TYPE 2WR RPMS) PER COFW STANDARD DETAIL FW.M20.40.
- WHITE PLASTIC TYPE TLC TRAFFIC ARROW PER DETAIL ON SHEET 52.
- WHITE PLASTIC TYPE T TRAFFIC ARROW PER DETAIL ON SHEET 52.

transpogroup
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3655
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

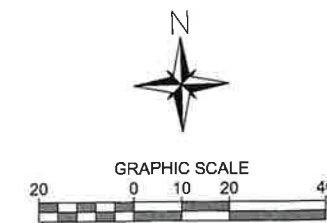
SR99 AT S 373RD ST ROUNDABOUT

PAVEMENT MARKING PLAN

BID SUBMITTAL

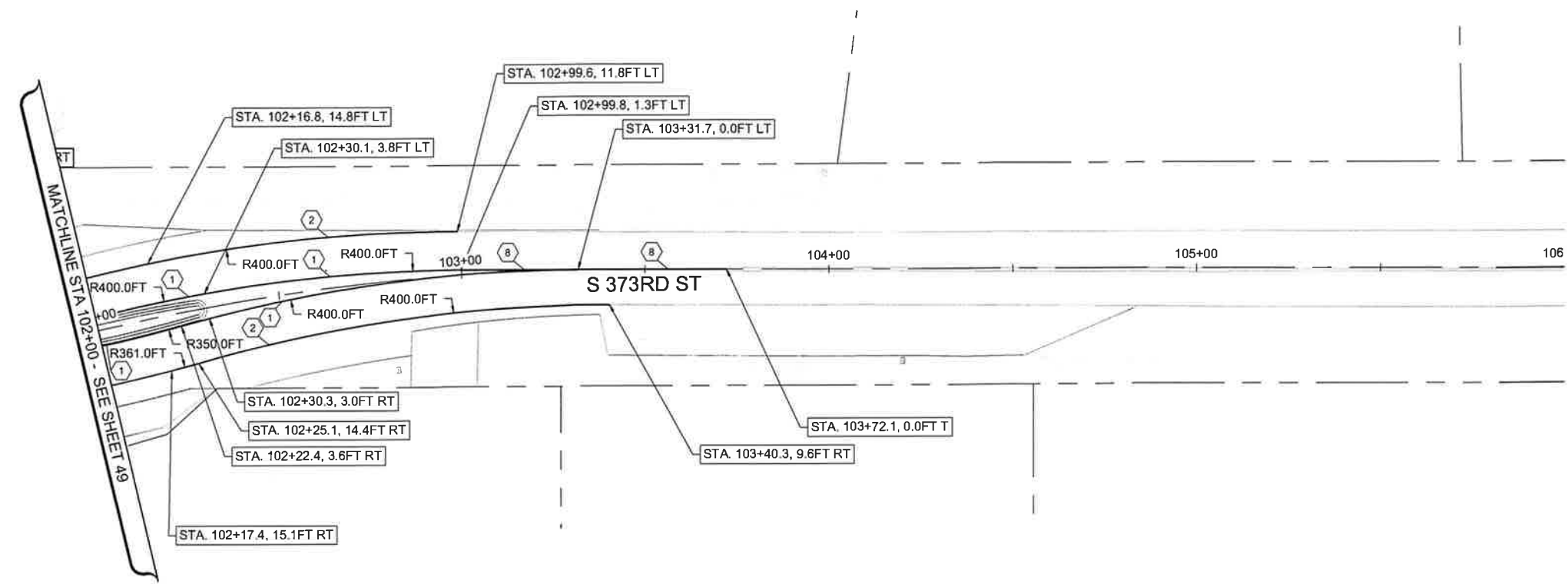
CITY PROJECT #:
36224

SHT. **50**
OF **93**



LEGEND		
DESCRIPTION	EXISTING	PROPOSED
RIGHT-OF-WAY		
CHANNELIZATION FEATURE		

- # PAVEMENT MARKING NOTES (THIS SHEET ONLY)
- 1 4" YELLOW PROFILED PLASTIC EDGE LINE (TYPE D WITH TYPE 2YR RPMS) PER COFW STANDARD DETAIL FW.M20.30.
 - 2 4" WHITE PLASTIC EDGE LINE (TYPE D PER COFW STANDARD DETAIL FW.M20.30.
 - 8 4" YELLOW PROFILED DOUBLE YELLOW CENTERLINE (TYPE D WITH TYPE 2YY RPMS) PER COFW STANDARD DETAIL FW.M20.40.



12131 113TH AVENUE NE, SUITE 203 (TEL) 425 821-3665
KIRKLAND, WASHINGTON 98034 (FAX) 425 825-8434



**CITY OF
Federal Way**
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



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

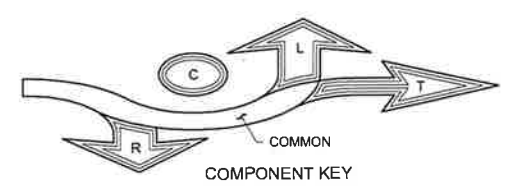
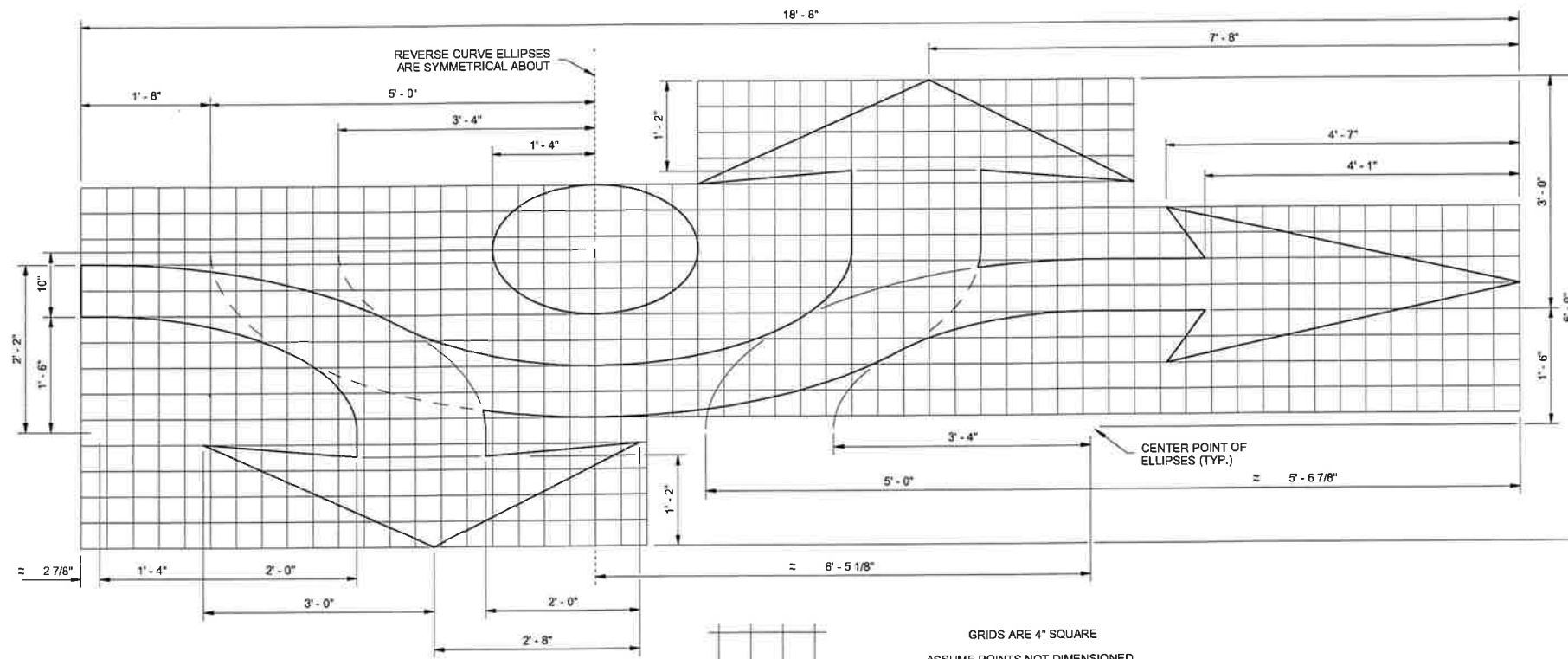
DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

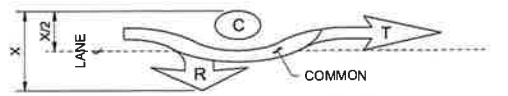
SR99 AT S 373RD ST ROUNDABOUT		CITY PROJECT #: 36224
PAVEMENT MARKING PLAN		SHT. 51 OF 93

BID SUBMITTAL



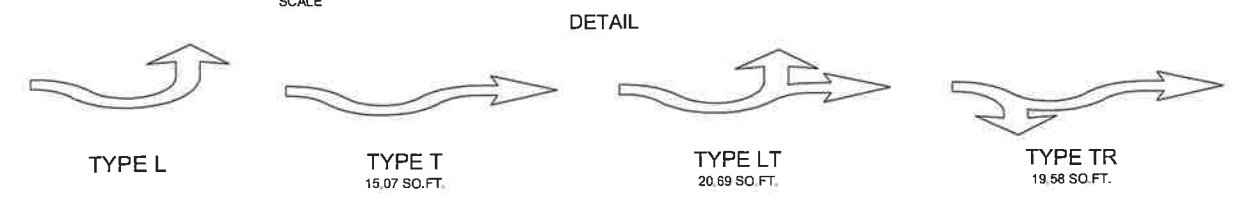
THE LABELED AREAS ABOVE CORRESPOND TO THE PORTIONS NEEDED FOR EACH TYPE OF ROUNDABOUT TRAFFIC ARROW.

FOR EXAMPLE: THE ROUNDABOUT TRAFFIC ARROW TYPE TRC REQUIRES THE "COMMON", "T", "R", AND "C" AREAS.



ROUNDABOUT TRAFFIC ARROW TYPE TRC

CENTER THE ARROW ON THE LANE CENTERLINE BETWEEN THE LATERAL EXTREMITIES OF THAT ARROW TYPE.



ROUNDABOUT TRAFFIC ARROWS DETAIL
N.T.S.

transpogroup **7**

WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203 (TEL) 425 821-3665
KIRKLAND, WASHINGTON 98034 (FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:

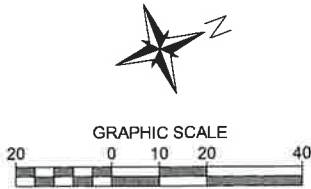


DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT		CITY PROJECT #: 36224
PAVEMENT MARKING DETAILS		SHT. 52 OF 93

BID SUBMITTAL

SEC. 32, T. 21 N., R. 04 E., W.M.

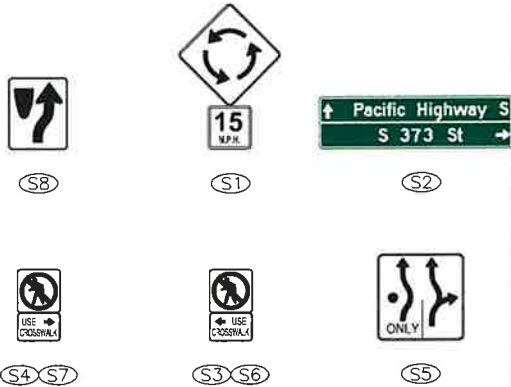


LEGEND

DESCRIPTION	EXISTING	PROPOSED
RIGHT-OF-WAY	---	---
CHANNELIZATION	---	---
NEW SIGN NOTE		(S#)
SIGN REMOVAL NOTE		(R#)
SIGN RELOCATE NOTE		(RL#)
SIGN TO REMAIN NOTE		(E#)
SIGN		■
DOUBLE POST MOUNTED SIGN		■
BARRIER MOUNTED SIGN		■
POLE MOUNTED SIGN		→

NOTE
SEE SHEETS 57-58 FOR SIGN SCHEDULE.

SIGN LEGEND (THIS SHEET ONLY)



BID SUBMITTAL



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

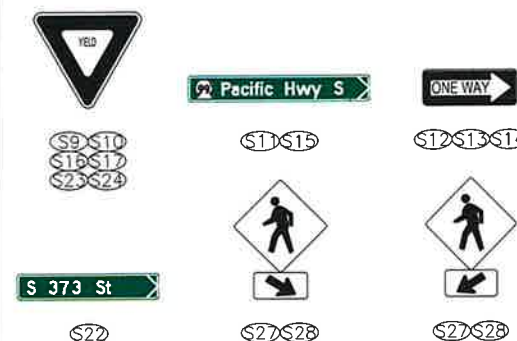
SIGNING PLAN

CITY PROJECT #:
36224

SHT. 53
OF 93

DESCRIPTION	EXISTING	PROPOSED
RIGHT-OF-WAY		
CHANNELIZATION		
NEW SIGN NOTE		
SIGN REMOVAL NOTE		
SIGN RELOCATE NOTE		
SIGN TO REMAIN NOTE		
SIGN		
DOUBLE POST MOUNTED SIGN		
BARRIER MOUNTED SIGN		
POLE MOUNTED SIGN		

SIGN LEGEND (THIS SHEET ONLY)



BID SUBMITTAL

SHT. 54
OF 93

SEE RRFB PLAN _____
FOR SIGN DETAILS (TYP.)

MATCHLINE STA 34+00 - SEE SHEET 55

SR 99 (PACIFIC HWY S)

S 373RD ST

[illegible]

SIGNING PLAN

12131 113TH AVENUE NE, SUITE 203 (TEL) 425 821-3665
KIRKLAND, WASHINGTON 98034 (FAX) 425 825-8434



DRAFTED: JRK

DESIGNED: BMK

REVIEWED: BMK

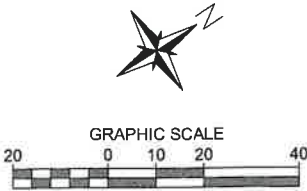
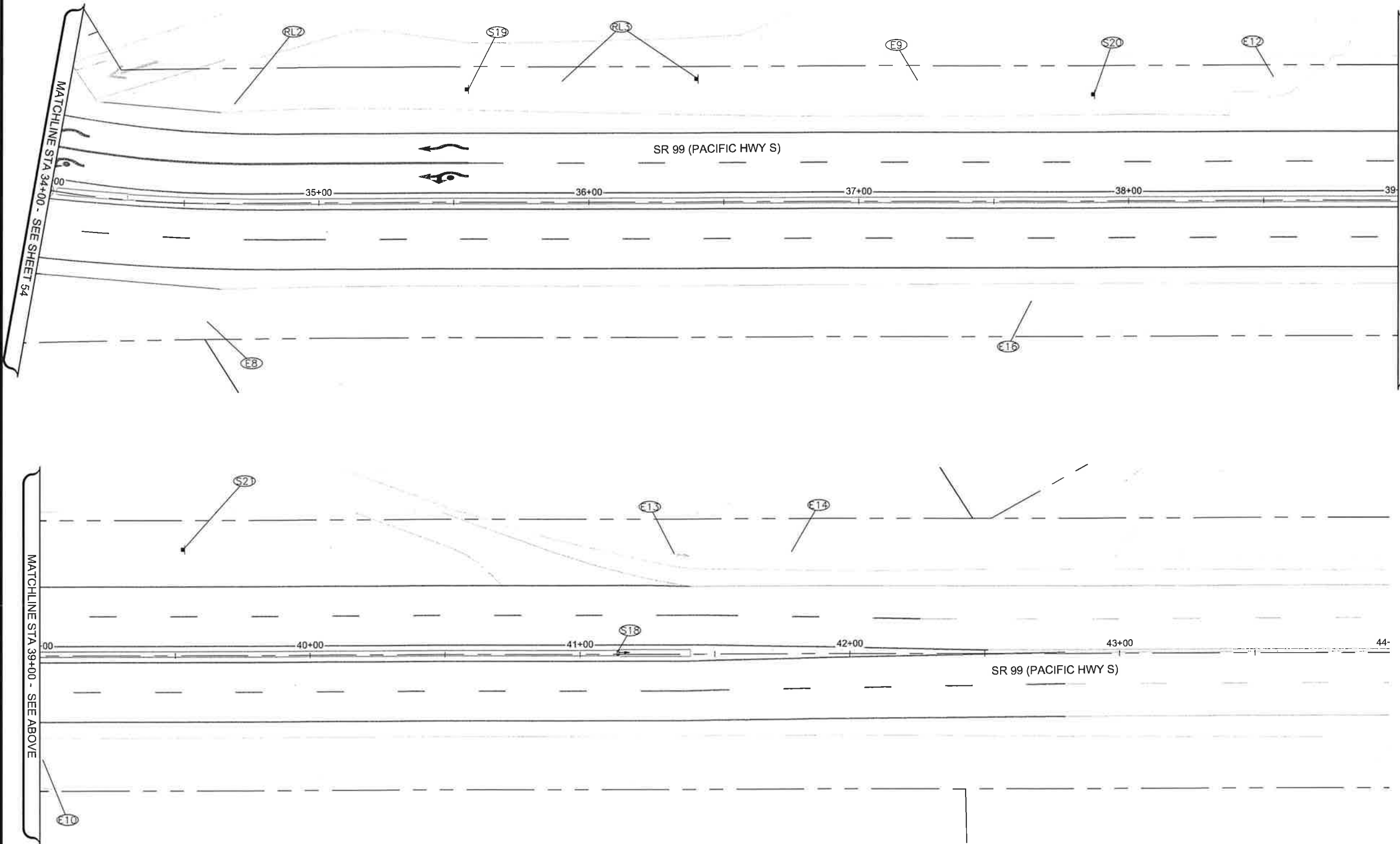
APPROVED:



*****UNOFFICIAL COPY***** Official bid documents, plan holder's list, and addenda (if applicable)
are available on BXWA.com

UNOFFICIAL COPY Official bid documents, plan holder's list, and addenda (if applicable)

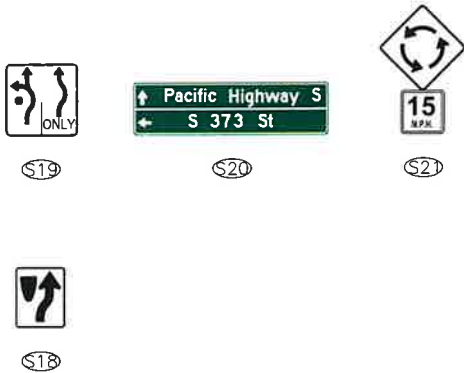
SEC. 32, T. 21 N., R. 04 E., W.M.



LEGEND		
DESCRIPTION	EXISTING	PROPOSED
RIGHT-OF-WAY	---	---
CHANNELIZATION	---	---
NEW SIGN NOTE		(S#)
SIGN REMOVAL NOTE		(R#)
SIGN RELOCATE NOTE		(RL#)
SIGN TO REMAIN NOTE		(E#)
SIGN		■
DOUBLE POST MOUNTED SIGN		■ ■
BARRIER MOUNTED SIGN		—■
POLE MOUNTED SIGN		—■

NOTE
SEE SHEETS 57-58 FOR SIGN SCHEDULE.

SIGN LEGEND (THIS SHEET ONLY)



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

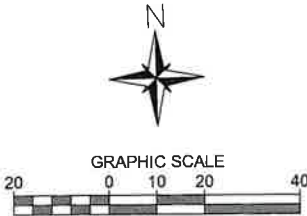
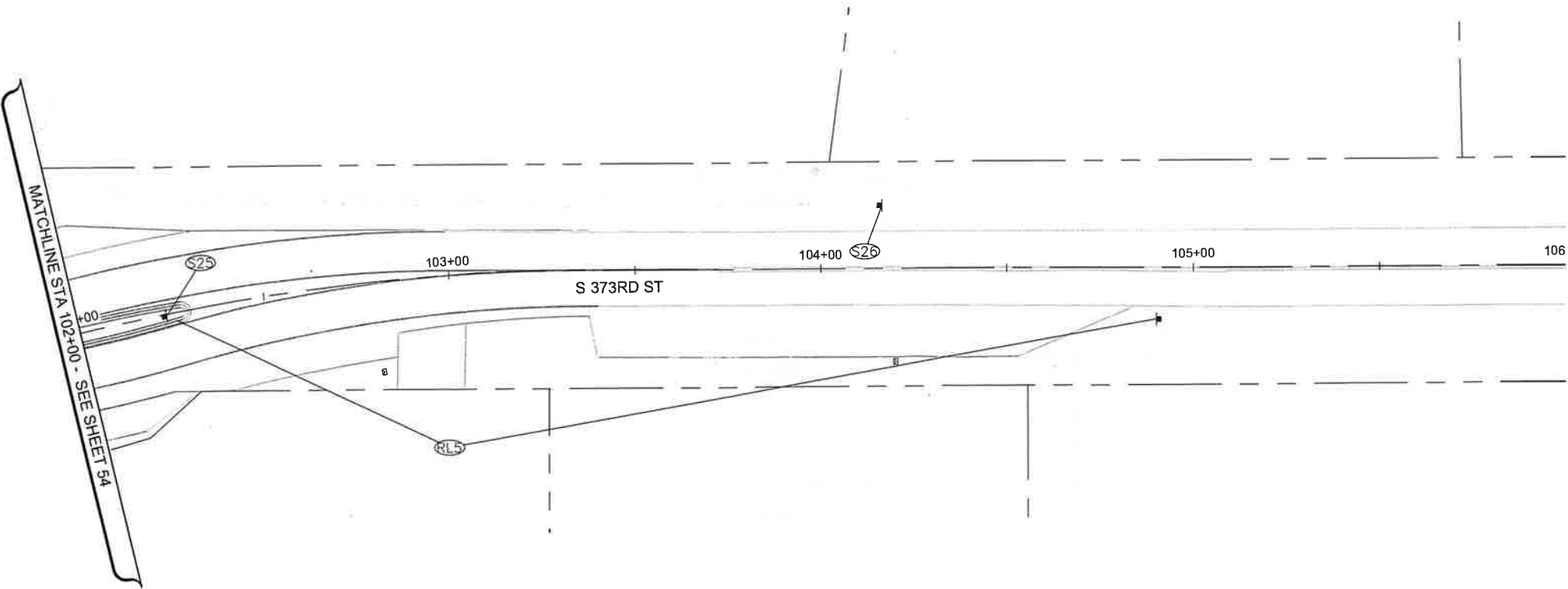
SIGNING PLAN

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 55
OF 93

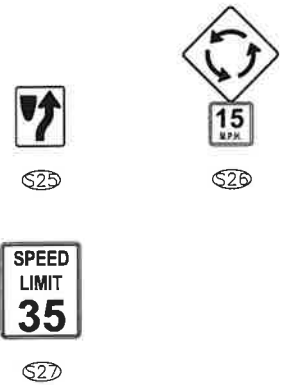
SEC. 32, T. 21 N., R. 04 E., W.M.



LEGEND		
DESCRIPTION	EXISTING	PROPOSED
RIGHT-OF-WAY	---	---
CHANNELIZATION		---
NEW SIGN NOTE		(S#)
SIGN REMOVAL NOTE		(R#)
SIGN RELOCATE NOTE		(RL#)
SIGN TO REMAIN NOTE		(E#)
SIGN		■
DOUBLE POST MOUNTED SIGN		■ ■
BARRIER MOUNTED SIGN		→ ■
POLE MOUNTED SIGN		○

NOTE
SEE SHEETS 57-58 FOR SIGN SCHEDULE.

SIGN LEGEND (THIS SHEET ONLY)



BID SUBMITTAL



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434



**CITY OF
Federal Way**
Centered on Opportunity

33325 8TH AVE S
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



Know what's below.
Call before you dig.

DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

SIGNING PLAN

CITY PROJECT #:
36224

SHT. 56
OF 93

\\srv-dfs-wa\Projects\2211_22060.00 - Federal Way SR 99 at S 373rd St\RA\Engineering\CAD\Plan Sheets\22060-SIGNING-PLAN.dwg, 9/14/2026

SIGN INSTALLATION SPECIFICATIONS								
SIGN NO.	SIGN CODE	DESCRIPTION	ALIGNMEN T	STATION LOCATION	SIGN SIZE		POST MATERIAL*	REMARKS
					X	Y		
S1	W2-6	CIRCULAR INTERSECTION	SR99	23+55.4, 34.0FT RT	30"	30"	STEEL	
	W13-1P	15 MPH SPEED ADVISORY			18"	18"		MOUNT BELOW W2-6
S2	D1-201 (MOD)	ADVANCE STREET NAME	SR 99	24+77.0, 33.3FT RT	96"	24"	STEEL	MOUNT ON TWO SIGN POSTS
S3	R9-3A	NO PEDESTRIAN CROSSING SYMBOL	SR 99	25+60.6, 32.6FT RT	18"	18"	STEEL	
	R9-3B(L)	USE CROSSWALK LEFT ARROW			18"	12"		MOUNT BELOW R9-3A
S4	R9-3A	NO PEDESTRIAN CROSSING SYMBOL	SR 99	25+48.5, 37.7FT LT	18"	18"	STEEL	INSTALL ON EXISTING SIGN POST
	R9-3B(R)	USE CROSSWALK RIGHT ARROW			18"	12"		MOUNT BELOW R9-3A
S5	R3-8 (MOD)	LANE USE	SR 99	26+27.4, 37.5FT RT	36"	36"	STEEL	
S6	R9-3A	NO PEDESTRIAN CROSSING SYMBOL	SR 99	26+61.5, 32.7FT RT	18"	18"	STEEL	
	R9-3B(L)	USE CROSSWALK LEFT ARROW			18"	12"		MOUNT BELOW R9-3A
S7	R9-3A	NO PEDESTRIAN CROSSING SYMBOL	SR 99	26+62.8, 34.5FT LT	18"	18"	STEEL	
	R9-3B(R)	USE CROSSWALK RIGHT ARROW			18"	12"		MOUNT BELOW R9-3A
S8	R4-7	KEEP RIGHT	SR 99	22+56.6, 2.0FT LT	24"	30"	STEEL	INSTALL ON CONCRETE BARRIER PER DETAIL ON SHEET 59
S9	R1-2	YIELD	SR 99	30+08.4, 67.3FT RT	48"	48"	STEEL	
S10	R1-2	YIELD	SR 99	30+22.1, 10.6FT RT	48"	48"	STEEL	
S11	D3-302 (MOD)	STREET NAME - PACIFIC HWY S	SR 99	30+23.5, 8.3FT LT	78"	12"	STEEL	MOUNT ON TWO SIGN POSTS
S12	R6-1	ONE WAY (R)	SR 99	30+80.3, 27.2FT RT	48"	18"	STEEL	
S13	R6-1	ONE WAY (R)	SR 99	31+27.4, 19.6FT RT	48"	18"	STEEL	
S14	R6-1	ONE WAY (R)	SR 99	31+24.1, 22.0FT LT	48"	18"	STEEL	
S15	D3-302 (MOD)	STREET NAME - PACIFIC HWY S	SR 99	31+79.1, 7.6FT RT	78"	12"	STEEL	MOUNT ON TWO SIGN POSTS
S16	R1-2	YIELD	SR 99	31+80.5, 7.3FT RT	48"	48"	STEEL	
S17	R1-2	YIELD	SR 99	31+91.7, 66.2FT LT	48"	48"	STEEL	
S18	R4-7	KEEP RIGHT	SR 99	41+13.7, 0.5FT LT	24"	30"	STEEL	INSTALL ON CONCRETE BARRIER PER DETAIL ON SHEET 59
S19	R3-8 (MOD)	LANE USE	SR 99	35+55.4, 41.6FT LT	36"	36"	STEEL	
S20	D1-201 (MOD)	ADVANCE STREET NAME	SR 99	37+87.3, 37.8FT LT	96"	24"	STEEL	
S21	W2-6	CIRCULAR INTERSECTION	SR 99	39+53.4, 39.2FT LT	30"	30"	STEEL	
	W13-1P	15 MPH SPEED ADVISORY			18"	18"		MOUNT BELOW W2-6
S22	D3-302 (MOD)	STREET NAME - S 373RD ST	373RD	100+96.1, 6.0FT RT	72"	12"	STEEL	MOUNT ON TWO SIGN POSTS
S23	R1-2	YIELD	373RD	100+97.2, 7.4FT LT	48"	48"	STEEL	
S24	R1-2	YIELD	373RD	101+08.0, 35.4FT LT	48"	48"	STEEL	
S25	R4-7C	NARROW KEEP RIGHT	373RD	102+23.5, 0.5FT RT	18"	30"	STEEL	
S26	W2-6	CIRCULAR INTERSECTION	373RD	104+16.4, 17.5FT LT	30"	30"	STEEL	
	W13-1P	15 MPH SPEED ADVISORY			18"	18"		MOUNT BELOW W2-6
S27	W11-2 (FYG)	PEDESTRIAN SYMBOL	373RD	101+21.0, 26.0FT LT	30"	30"	STEEL	FACING E
	W16-7PR (FYG)	DIAGONAL DOWNWARD ARROW			21"	15"		UNDER W11-2
	W11-2 (FYG)	PEDESTRIAN SYMBOL			30"	30"		FACING W
	W16-7PL (FYG)	DIAGONAL DOWNWARD ARROW			21"	15"		UNDER W11-2
S28	W11-2 (FYG)	PEDESTRIAN SYMBOL	373RD	101+25.0, 30.6FT RT	30"	30"	STEEL	FACING W
	W16-7PR (FYG)	DIAGONAL DOWNWARD ARROW			21"	15"		UNDER W11-2
	W11-2 (FYG)	PEDESTRIAN SYMBOL			30"	30"		FACING E
	W16-7PL (FYG)	DIAGONAL DOWNWARD ARROW			21"	15"		UNDER W11-2

* SIGN INSTALLATION PER COFW STANDARD DETAIL FW.G24.50.



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

SIGN SCHEDULE

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 57
OF 93

UNOFFICIAL COPY Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com

UNOFFICIAL COPY Official bid documents, plan holder's list, and addenda (if applicable)

\\nas01s-wa\Projects\2211 22060.00 - Federal Way SR 99 at S 373rd St\RA\B\Engineering\CAD\Plan Sheets\22060-SIGNING-PLAN.dwg, 9/14/2026

SIGN REMOVAL SPECIFICATIONS*					
SIGN NO.	SIGN CODE	DESCRIPTION	ALIGNMENT	EXISTING STATION LOCATION	REMARKS
R1	EX.	ILLEGAL TO CROSS YELLOW CENTER LINE	SR 99	23+96.8 RT	REMOVE EXISTING SIGN(S) AND POST
	EX.	NO LEFT TURN SYMBOL			
R2	EX.	NO LEFT TURN SYMBOL	SR 99	26+60.8 LT	REMOVE EXISTING SIGN(S) AND POST
R3	EX.	NO LEFT TURN SYMBOL	SR 99	33+17.7 LT	REMOVE EXISTING SIGN(S) AND POST
	EX.	NO U TURN SYMBOL	SR 99		
R4	EX.	NO PARKING SYMBOL	SR 99	29+71.5 RT	REMOVE EXISTING SIGN(S) AND POST
	EX.	TOW AWAY ZONE	SR 99		
R5	EX.	NO PARKING SYMBOL	SR 99	30+41.4 LT	REMOVE EXISTING SIGN(S) FROM EXISTING UTILITY POLE
	EX.	TOW AWAY ZONE	SR 99		
R6	EX.	NO LEFT TURN SYMBOL	SR 99	30+92.6 RT	REMOVE EXISTING SIGN(S) AND POST
R7	EX.	PACIFIC HWY S	SR 99	31+50.4 RT	REMOVE EXISTING SIGN(S) AND POST
	EX.	S 373 ST	SR 99		
	EX.	STOP	SR 99		
	EX.	NO LEFT TURN SYMBOL	SR 99		
R8	EX.	NO LEFT TURN SYMBOL	SR 99	38+53.4 LT	REMOVE EXISTING SIGN
	EX.	NO PARKING SYMBOL			MOVE EXISTING SIGN UP AND MAINTAIN POST.

* CONTRACTOR SHALL SALVAGE AND DELIVER ALL EXISTING SIGNING EQUIPMENT SPECIFIED FOR REMOVAL BACK TO THE KING COUNTY SIGN SHOP, UNLESS OTHERWISE NOTIFIED IN WRITING BY THE ENGINEER.

EXISTING SIGNS TO BE MAINTAINED					
SIGN NO.	SIGN CODE	DESCRIPTION	ALIGNMENT	EXISTING STATION LOCATION	REMARKS
E1	EX.	TOW AWAY ZONE NEXT MILE	SR 99	20+04.0 RT	
E2	EX.	NO PARKING	SR 99	21+20.4 LT	
	EX.	TOW AWAY ZONE SYMBOL			
E3	EX.	SPEED LIMIT 45 AHEAD	SR 99	21+98.1 LT	
E4	EX.	NO PARKING	SR 99	25+26.9 RT	
	EX.	TOW AWAY ZONE SYMBOL			
E5	EX.	NO PARKING	SR 99	25+48.5 LT	
	EX.	TOW AWAY ZONE SYMBOL			
E6	EX.	NO OUTLET PLATE (R)	SR 99	26+01.1 LT	
	EX.	1 AVE S			
	EX.	SW 374 ST			
	EX.	STOP SIGN			
	EX.	NO LEFT TURN			
E7	EX.	NO OUTLET	SR 99	26+74.1 LT	
E8	EX.	NO PARKING	SR 99	34+58.0 RT	
	EX.	TOW AWAY ZONE SYMBOL			
E9	EX.	YOUR SPEED	SR 99	37+21.6 LT	
E10	EX.	NO PARKING	SR 99	39+01.1 RT	
	EX.	TOW AWAY ZONE SYMBOL			
E11	EX.	STATE ROUTE 99 (NORTH)	SR 99	26+94.3 RT	
	EX.	HISTORIC ROUTE (SR 99)	SR 99		
E12	EX.	NO PARKING	SR 99	38+53.5 LT	
E13	EX.	NO PARKING	SR 99	41+35.0 LT	
	EX.	TOW AWAY ZONE SYMBOL			
E14	EX.	WEIGH STATION (R)	SR 99	41+78.3 LT	
E15	EX.	YOUR SPEED	SR 99	20+80.9 RT	
	EX.	TOW AWAY ZONE SYMBOL			
E16	EX.	CONSERVATION PROPERTY	SR 99	37+63.9 RT	

SIGN RELOCATION SPECIFICATIONS							
SIGN NO.	SIGN CODE	DESCRIPTION	ALIGNMENT	EXISTING STATION LOCATION	NEW STATION LOCATION	POST MATERIAL	REMARKS*
RL1	SPECIAL	PIERCE TRANSIT BUS STOP	SR 99	32+98.4 RT	*	*	RELOCATE EXISTING SIGN(S) AND POST
RL2	SPECIAL	PIERCE TRANSIT BUS STOP	SR 99	34+68.8 LT	*	*	RELOCATE EXISTING SIGN(S) AND POST
RL3	R3-2	NO LEFT TURN SYMBOL	SR 99	35+90.0 LT	36+40.4 LT	STEEL	RELOCATE EXISTING SIGN(S) ONTO NEW POST
	R8-3	NO PARKING SYMBOL					
RL4	R5-2	NO TRUCKS	373RD	101+73.7 LT	100+97.5 RT	STEEL	RELOCATE EXISTING SIGN(S) ONTO NEW POST
	R5-2AP (MOD)	EXCEPT LOCAL DELIVERIES					
RL5	R2-1	SPEED LIMIT 35	373RD	102+23.5	104+90.0	STEEL	RELOCATE EXISTING SIGN(S) ONTO NEW POST

* CONTRACTOR SHALL COORDINATE WITH PIERCE TRANSIT ON SIGN RELOCATION. MINIMUM TWO WEEK NOTICE IS REQUIRED.



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

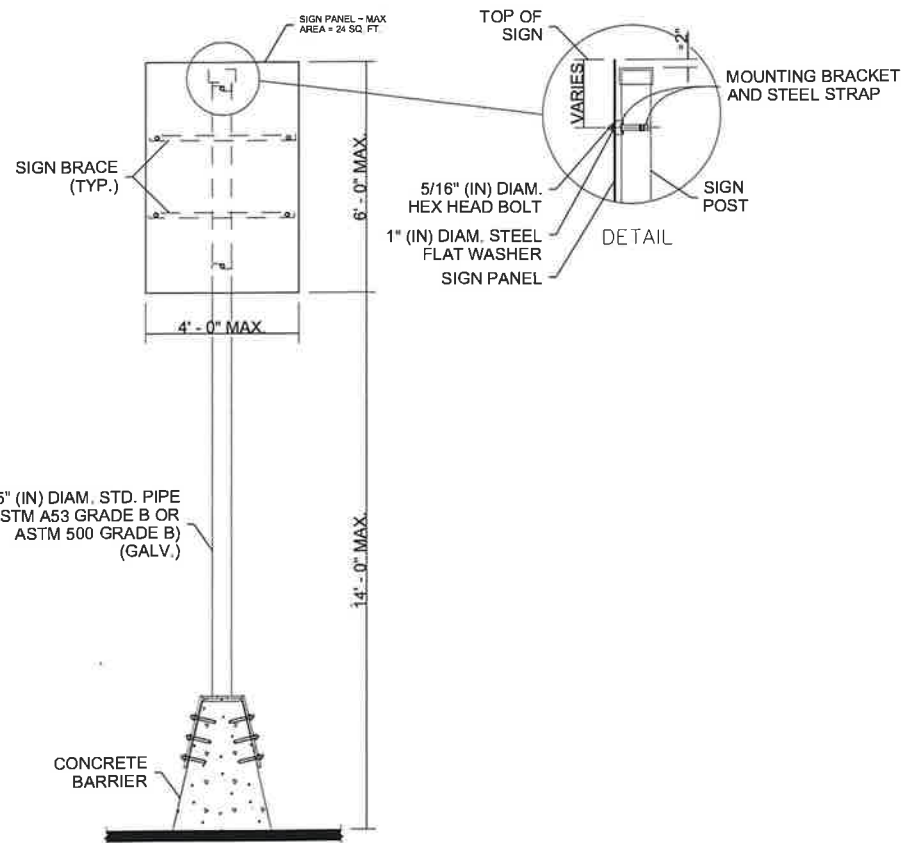
SIGN SCHEDULE

BID SUBMITTAL

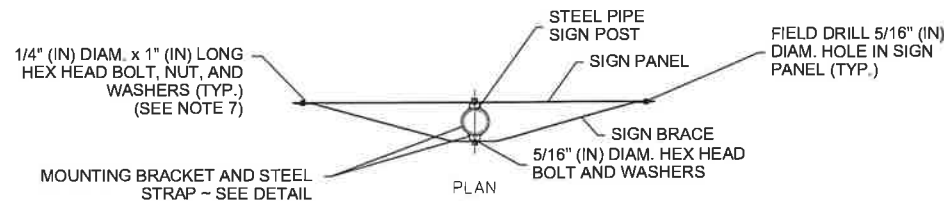
CITY PROJECT #:
36224

SHT. 58
OF 93

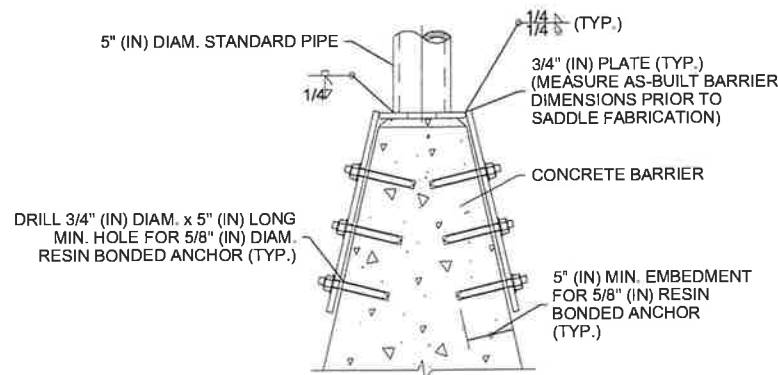
\\sr99\cfs\proj\1211_22060_00 - Federal Way SR 99 at S 373rd St RAB\Engineering\CAD\Plan Sheets\22060-SIGNING-PLAN.dwg, 8/24/2026



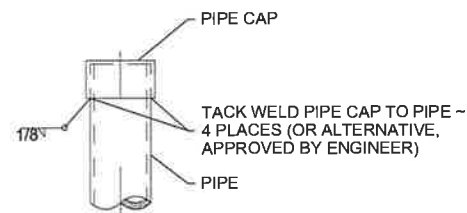
BARRIER - MOUNTED SIGN POST



SIGN BRACE ON SIGN POST



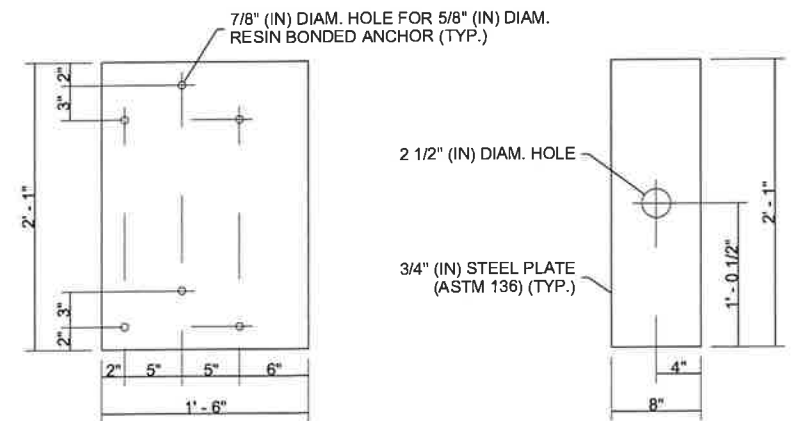
TYPICAL SECTION



CAP DETAIL

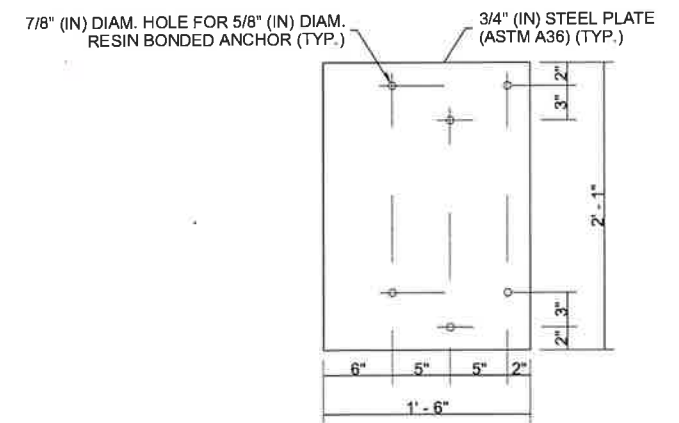
NOTES:

1. SIGN POST SHALL BE INSTALLED PLUMB.
2. PLACEMENT OF SIGN SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION 8-21.3(2).
3. CENTER OF SIGN PANEL SHALL BE LOCATED 17' (FT) OR LESS ABOVE THE GROUND SURFACE.
4. SIGN POST SHALL BE MOUNTED ON BARRIER WITH A MINIMUM SEGMENT WEIGHT OF 10,000 LBS. AND A MINIMUM WIDTH OF 2' - 0" AT THE BASE. DO NOT MOUNT SIGN POST ON TYPE 2 PRE-CAST BARRIER.
5. SADDLE MOUNT ANCHOR BOLTS SHALL NOT BE WITHIN 1' - 6" OF THE END OF A BARRIER SEGMENT.
6. RESIN BONDED ANCHORS SHALL CONFORM TO WSDOT STANDARD SPECIFICATIONS 9-06.
7. FOR SIGN PANEL MOUNTING DETAILS, SEE WSDOT STANDARD PLAN G-50.10.
8. SIGN POST ASSEMBLY SHALL BE GALVANIZED AFTER FABRICATION PER AASHTO M 111.



LEFT PANEL

TOP PANEL



RIGHT PANEL

transpogroup
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV

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

DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

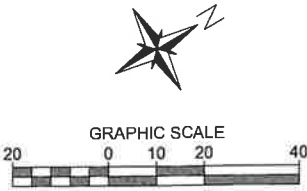
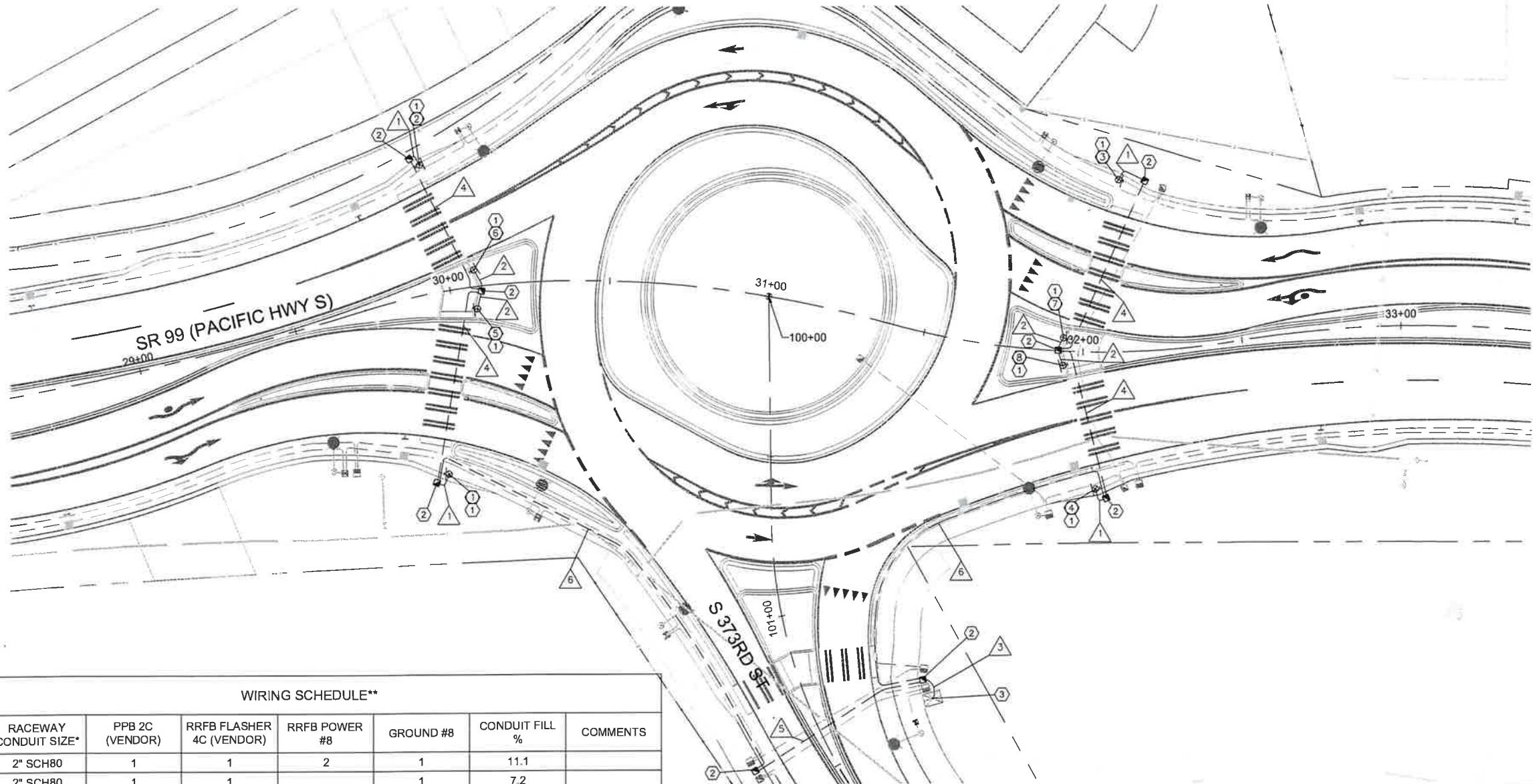
SR99 AT S 373RD ST ROUNDABOUT

SIGNING DETAILS

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 59
OF 93



LEGEND	
RIGHT-OF-WAY	---
CONDUIT	---
CONSTRUCTION NOTE	#
WIRE NOTE	Δ
POLE CONSTRUCTION NOTE	#
RRFB BI-DIRECTIONAL	⌘
RRFB UNI-DIRECTIONAL	⌘
PUSHBUTTON	+
JUNCTION BOX TYPE 2	⌘
SERVICE CABINET (SEE ILLUMINATION PLAN)	⌘

- # **RRFB NOTES (THIS SHEET ONLY)**
1. INSTALL FW RECTANGULAR RAPID-FLASHING BEACON (FW RRFB) POLE AND EQUIPMENT INCLUDING ASSOCIATED SIGNS, FLASHERS AND PUSHBUTTON ASSEMBLY PER CITY OF FEDERAL WAY STANDARD DETAILS FW.J24.10 AND FW.J24.20.
 2. INSTALL TYPE 2 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10-04.
 3. CONNECT RRFB POWER TO SERVICE CABINET. SEE SHEET 62 FOR SERVICE CABINET BREAKER SCHEDULE.

- RRFB NOTES**
1. THE LOCATIONS OF PROPOSED CONDUITS AND JUNCTION BOXES SHOWN IN THESE PLANS ARE GRAPHICAL REPRESENTATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY FINAL LOCATIONS WITH THE ENGINEER PRIOR TO INSTALLATION.
 2. THE CONTRACTOR SHALL FIELD VERIFY AND STAKE LOCATIONS OF ALL PROPOSED RRFB POLES AND FOUNDATIONS WITH THE ENGINEER PRIOR TO INSTALLATION. ALL PROPOSED SIGNS AND FOUNDATIONS SHALL BE LOCATED WITHIN RIGHT-OF-WAY AND PANELS SHALL NOT OVERHANG OUTSIDE OF RIGHT-OF-WAY. SIGN PANELS THAT OVERHANG SIDEWALKS/PATHWAYS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 7 FT FROM THE BOTTOM OF THE LOWEST PANEL TO THE ADJACENT SIDEWALK/PATHWAY SURFACE.
 3. PEDESTRIAN PUSHBUTTON SHALL BE ORIENTED ON THE POLE TO BE ALIGNED PARALLEL WITH PEDESTRIAN CROSSWALK. SIGNS SHALL BE ORIENTED TO FACE APPROACHING AND ONCOMING TRAFFIC.
 4. CONCRETE PAD SHALL BE INSTALLED AROUND JUNCTION BOXES INSTALLED OUTSIDE OF PAVEMENT PER CITY OF FEDERAL WAY STANDARD DETAIL FW.J33.25.

WIRING SCHEDULE**							
# NO.	RACEWAY CONDUIT SIZE*	PPB 2C (VENDOR)	RRFB FLASHER 4C (VENDOR)	RRFB POWER #8	GROUND #8	CONDUIT FILL %	COMMENTS
1	2" SCH80	1	1	2	1	11.1	
2	2" SCH80	1	1		1	7.2	
3	2" SCH80			8	1	17.5	
4	2" SCH80	1	1	2	1	11.1	
5	2" SCH80			4	1	9.7	
6	2" SCH80			4	1	9.7	

* ALL CONDUIT SHALL BE PVC AND SHALL CONTAIN A GROUND WIRE EQUAL IN SIZE TO THE LARGEST CONDUCTOR (MINIMUM NO. 8) UNLESS OTHERWISE NOTED.

** RRFB MANUFACTURER'S WIRING MAY VARY FROM WHAT IS SHOWN ON THESE PLANS. CONTRACTOR SHALL INSTALL RRFB WIRING PER MANUFACTURER'S INSTRUCTIONS.

POLE SCHEDULE							
POLE NO.	FIELD LOCATION		POLE TYPE	POLE LENGTH	RRFB CONFIGURATION	PPB CONFIGURATION	COMMENTS
	STATION	OFFSET					
①	29+86.9	56.3FT RT	FW RRFB	16'	UNI-DIRECTIONAL	PPB-L	WITH CONTROLLER
②	29+97.4	40.0FT LT	FW RRFB	16'	UNI-DIRECTIONAL	PPB-R	WITH CONTROLLER
③	32+12.3	53.6FT LT	FW RRFB	16'	UNI-DIRECTIONAL	PPB-L	WITH CONTROLLER
④	32+04.3	42.7FT RT	FW RRFB	16'	UNI-DIRECTIONAL	PPB-R	WITH CONTROLLER
⑤	30+07.8	7.0FT RT	FW RRFB	14'	UNI-DIRECTIONAL	PPB-R	
⑥	30+08.1	5.2FT LT	FW RRFB	14'	UNI-DIRECTIONAL	PPB-L	
⑦	31+93.7	4.1FT LT	FW RRFB	14'	UNI-DIRECTIONAL	PPB-R	
⑧	31+94.0	4.5FT RT	FW RRFB	14'	UNI-DIRECTIONAL	PPB-L	



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034

(TEL) 425 821-3665
(FAX) 425 825-8434



DRAFTED: JRK
DESIGNED: JRK
REVIEWED: BMK
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

RRFB PLAN

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 60
OF 93

SEC. 32, T. 21 N., R. 04 E., W.M.

WIRING SCHEDULE			
# NO.	CONDUIT	WIRE	COMMENTS
1	2" SCH40 PVC	2-#8 (ILLUM)	ILLUM CKT A/1, SHALL BE ALUMINUM
2	2" SCH40 PVC	2-#8 (ILLUM)	ILLUM CKT B/1, SHALL BE ALUMINUM
3	2" SCH40 PVC	4-#8 (ILLUM)	ILLUM CKT A/1 & B/1, SHALL BE ALUMINUM
	2" SCH40 PVC		SPARE (WITH GROUND AND PULL TAPE)
	2" SCH40 PVC		SPARE (WITH GROUND AND PULL TAPE)
4	2" SCH40 PVC	4-#8 (ILLUM)	ILLUM CKT A/1 & B/1 SHALL BE ALUMINUM
5	2" SCH80 PVC	2-#8 (ILLUM)	ILLUM CKT A/1, SHALL BE ALUMINUM
	2" SCH80 PVC		SPARE (WITH GROUND AND PULL TAPE)
6	2" SCH40 PVC		SPARE (WITH GROUND AND PULL TAPE)
7	4" SCH40 PVC		SPARE (WITH GROUND AND PULL TAPE)
8	4" SCH80 PVC		SPARE (WITH GROUND AND PULL TAPE)
	4" SCH80 PVC		SPARE (WITH GROUND AND PULL TAPE)
9	2" SCH80 PVC	2-#8 (ILLUM)	ILLUM CKT B/1, SHALL BE ALUMINUM
	2" SCH80 PVC		SPARE (WITH GROUND AND PULL TAPE)

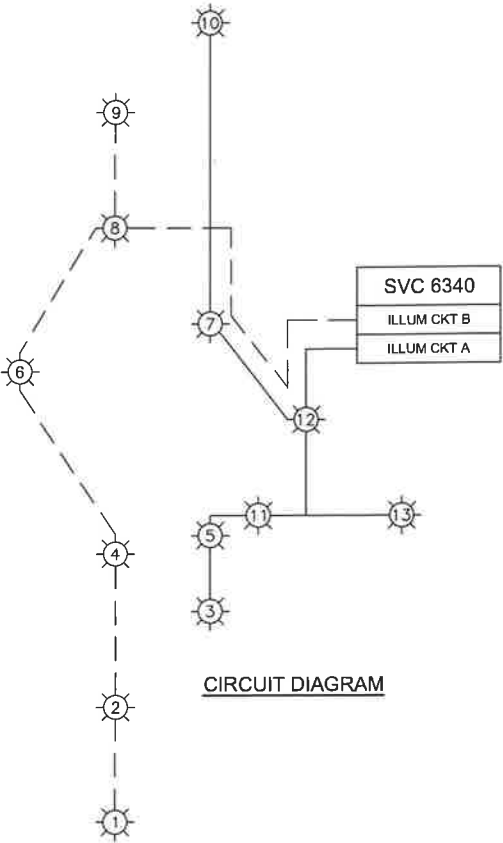
*ALL CONDUIT SHALL CONTAIN A GROUND WIRE EQUAL IN SIZE TO THE LARGEST CONDUCTOR AND SHALL BE COPPER.

SERVICE CABINET BREAKER SCHEDULE*				
SERVICE	CIRCUIT	LOAD (WATTS)	BREAKER RATING (AMPS)	CONTACTOR SIZE (AMPS)
6340	MAIN	1132	100	
6340	A	598	15	30
6340	B	534	15	30
6340	RRFB A	120	15	
6340	RRFB B	120	15	
6340	RRFB C	120	15	
6340	RRFB D	120	15	

*SEE CITY OF FEDERAL WAY STANDARD DETAIL FW.J10.21 FOR FULL LIST OF BREAKERS TO PROVIDE IN SERVICE CABINET.

LIGHT LEVEL CALCULATION SUMMARY				
CALCULATION AREA	MINIMUM AVERAGE MAINTAINED ILLUMINANCE (fc)		MAXIMUM UNIFORMITY RATIO (Avg/Min)	
	TARGET*	CALCULATED	TARGET*	CALCULATED
SR 99 ROUNDABOUT	1.30	1.41	3.00	3.44

*PER CITY OF FEDERAL WAY "STREET LIGHT STANDARDS - OUTSIDE CITY CENTER" ARTERIAL <=66FT CRITERIA FROM STANDARD DETAIL NO. FW.J33-40.



CIRCUIT DIAGRAM



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

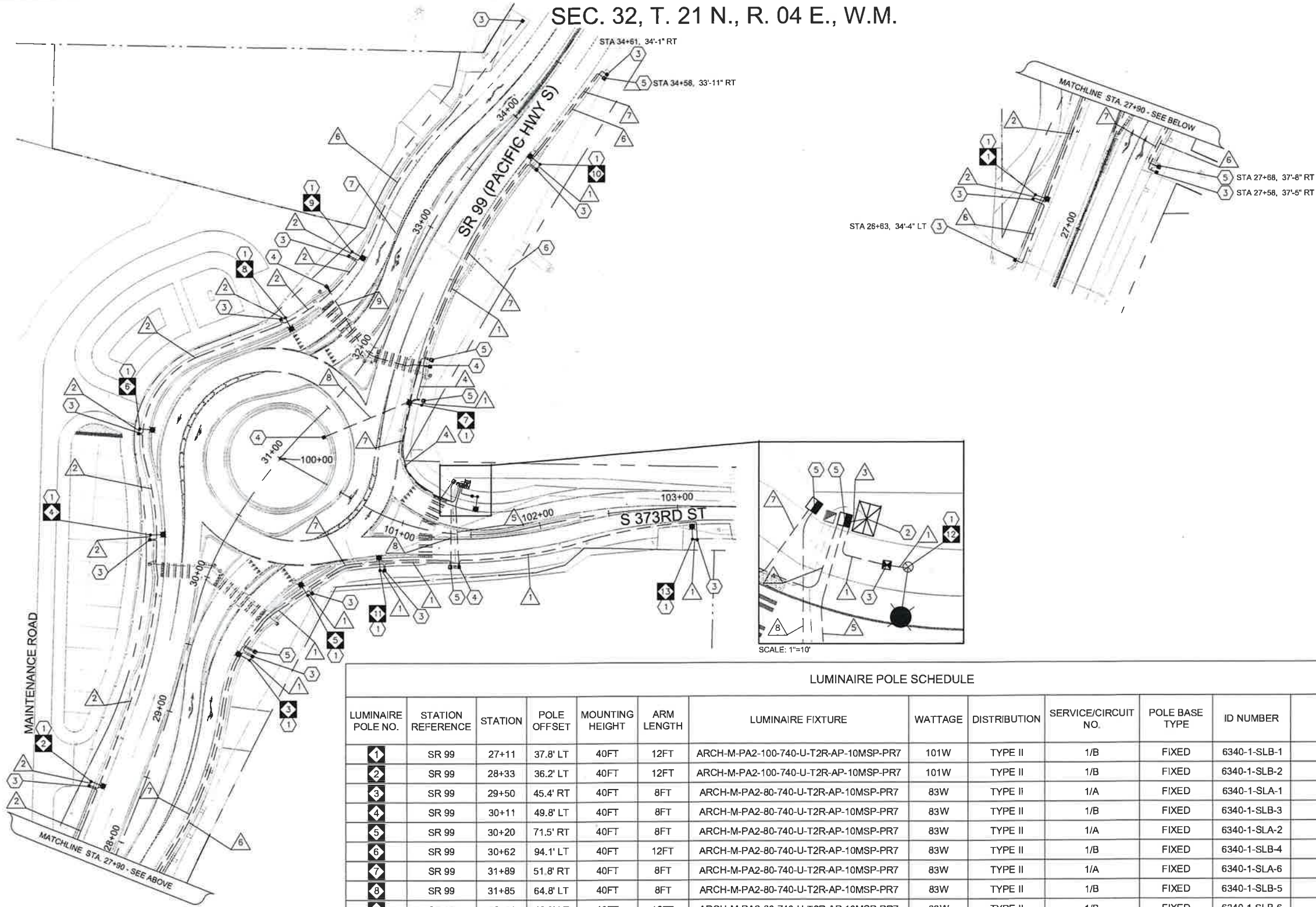
ILLUMINATION DETAILS

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 61
OF 93

SEC. 32, T. 21 N., R. 04 E., W.M.



transpogroup **7**
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: MPL
DESIGNED: MPL
REVIEWED: BMK
APPROVED:

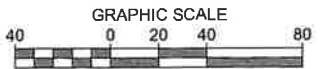


DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

ILLUMINATION PLAN



LEGEND

RIGHT-OF-WAY	---
CONDUIT	---
CONSTRUCTION NOTE	#
LIGHT STANDARD NOTE	⬮
WIRE NOTE	⚡
LUMINAIRE AND LIGHT STANDARD	⬮ --- ⚡
TYPE 1 JUNCTION BOX	⬮
TYPE 2 JUNCTION BOX	⬮
TYPE 8 JUNCTION BOX	⬮
SERVICE CABINET	⬮

CONSTRUCTION NOTES

1. INSTALL LIGHT STANDARD FOUNDATION, POLE ARM, AND LUMINAIRE PER CITY OF FEDERAL WAY STANDARD DETAILS FW.J33.10, FW.J33.11, FW.J33.25. MOUNTING HEIGHT, ARM LENGTH, AND WATTAGE PER LUMINAIRE POLE SCHEDULE ON THIS SHEET. INSTALL CIMCON NODE INTO 7-PIN PHOTOCELL RECEPTACLE.
2. INSTALL CITY SERVICE CABINET AND FOUNDATION PER CITY OF FEDERAL WAY STANDARD DETAILS FW.J10.21 AND FW.J10.23. COORDINATE WITH PSE ON FINAL SERVICE CONNECTION.
3. INSTALL TYPE 1 JUNCTION BOX PER CITY OF FEDERAL WAY STANDARD DETAIL FW.J33.25 AND WSDOT J-40.10.
4. INSTALL TYPE 2 JUNCTION BOX PER CITY OF FEDERAL WAY STANDARD DETAIL FW.J33.25 AND WSDOT J-40.10.
5. INSTALL TYPE 8 JUNCTION BOX PER CITY OF FEDERAL WAY STANDARD DETAIL FW.J33.25 AND WSDOT J-40.30.
6. EXISTING LUMINAIRE AND ARM TO BE REMOVED FROM EXISTING UTILITY POLE. COORDINATE WITH PSE FOR REMOVAL.
7. REMOVE EXISTING LIGHT POLE, ARM, AND FIXTURE. REMOVE ASSOCIATED JUNCTION BOXES AND WIRING BACK TO NEAREST POLE IN CIRCUIT.

GENERAL NOTES

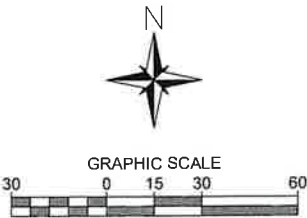
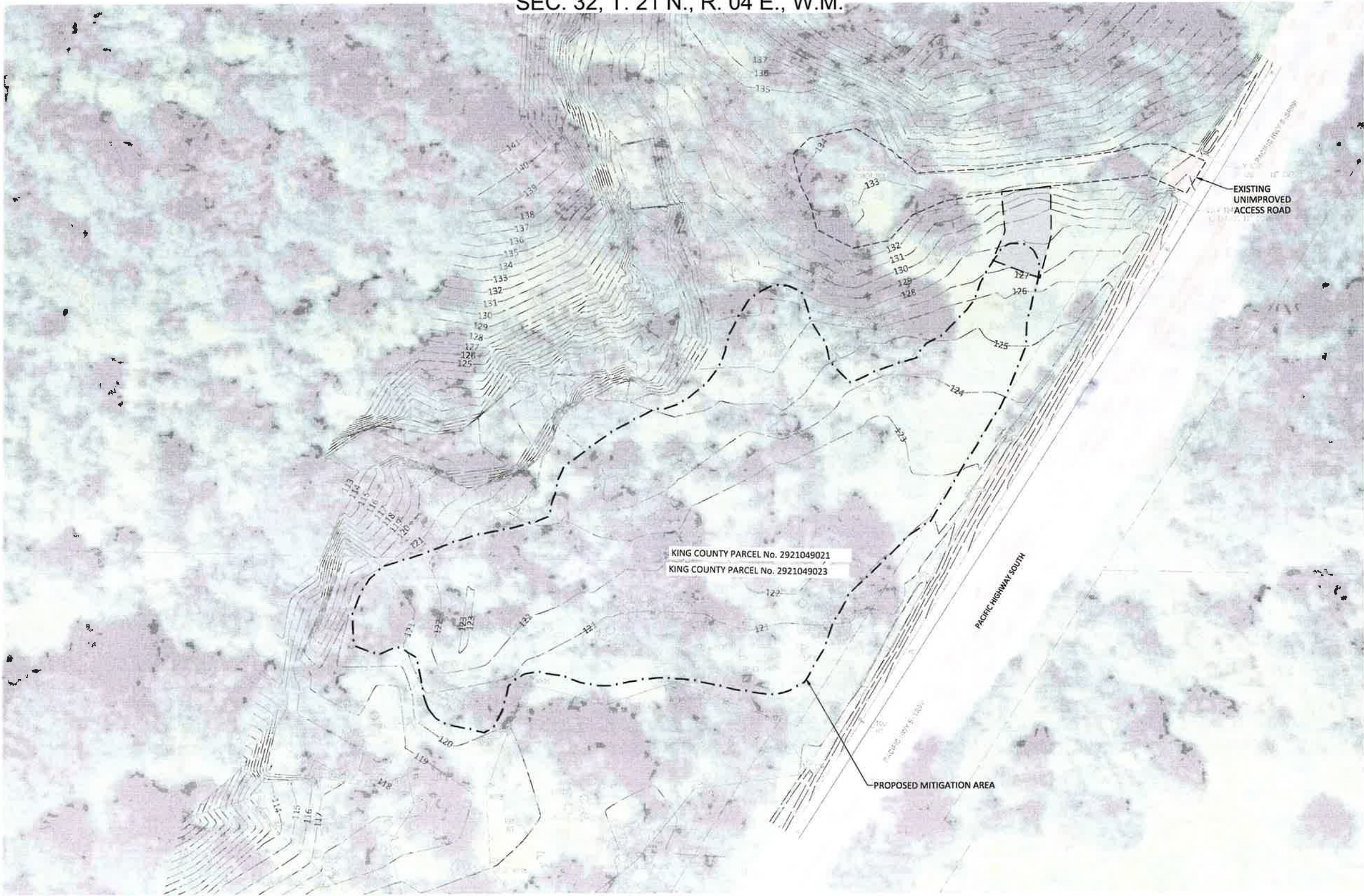
1. SEE SHEET 61 FOR SCHEDULES, LIGHT LEVEL CALCULATION SUMMARY, AND CIRCUIT DIAGRAM.
2. THE LOCATIONS OF PROPOSED CONDUITS AND JUNCTION BOXES SHOWN IN THESE PLANS ARE GRAPHICAL REPRESENTATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY FINAL LOCATIONS WITH THE ENGINEER PRIOR TO INSTALLATION.
3. THE CONTRACTOR SHALL FIELD VERIFY AND STAKE LOCATIONS OF ALL PROPOSED LUMINAIRE POLES AND FOUNDATIONS WITH THE ENGINEER PRIOR TO INSTALLATION.
4. CONCRETE PAD SHALL BE INSTALLED AROUND JUNCTION BOXES INSTALLED OUTSIDE OF PAVEMENT PER CITY OF FEDERAL WAY STANDARD DETAIL FW.J33.25.

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 62
OF 93

SEC. 32, T. 21 N., R. 04 E., W.M.



LEGEND

- EXISTING CONTOUR ——— -120- ———
- EDGE OF WETLAND ———
- GIS PROPERTY LINE ———
- PROPOSED MITIGATION AREA (1.07 AC) [dashed box symbol]
- EXISTING UNIMPROVED ACCESS ROAD (APPROX. 6,158 SF) [dashed line symbol]
- TEMPORARY ACCESS ROUTE (APPROX. 1,273 SF), SEE SHEET 2 [dashed line symbol]
- WETLAND BOUNDARY OR SAMPLE PLOT (SP) FLAG [dashed line symbol]
- DECIDUOUS TREE, DIAMETER [circle symbol]
- CONIFEROUS TREE, DIAMETER [circle symbol]

NOTES

- 1. SURVEY BY KPG PSOMAS, MAY 2025.



155 NE 100TH STREET, SUITE 302
SEATTLE, WASHINGTON 98125
(TEL) 206 631-8680
(FAX) 425 778-3650



**CITY OF
Federal Way**
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.CITYOFFEDERALWAY.COM



- DRAFTED: BMP
- DESIGNED: BMB
- REVIEWED: MDV
- APPROVED: MWW

PRELIMINARY

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR 99 AT S 373RD ST ROUNDABOUT

WETLAND MITIGATION PLANS

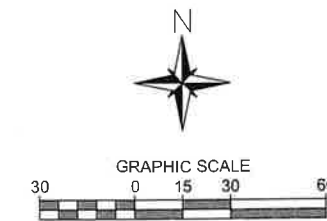
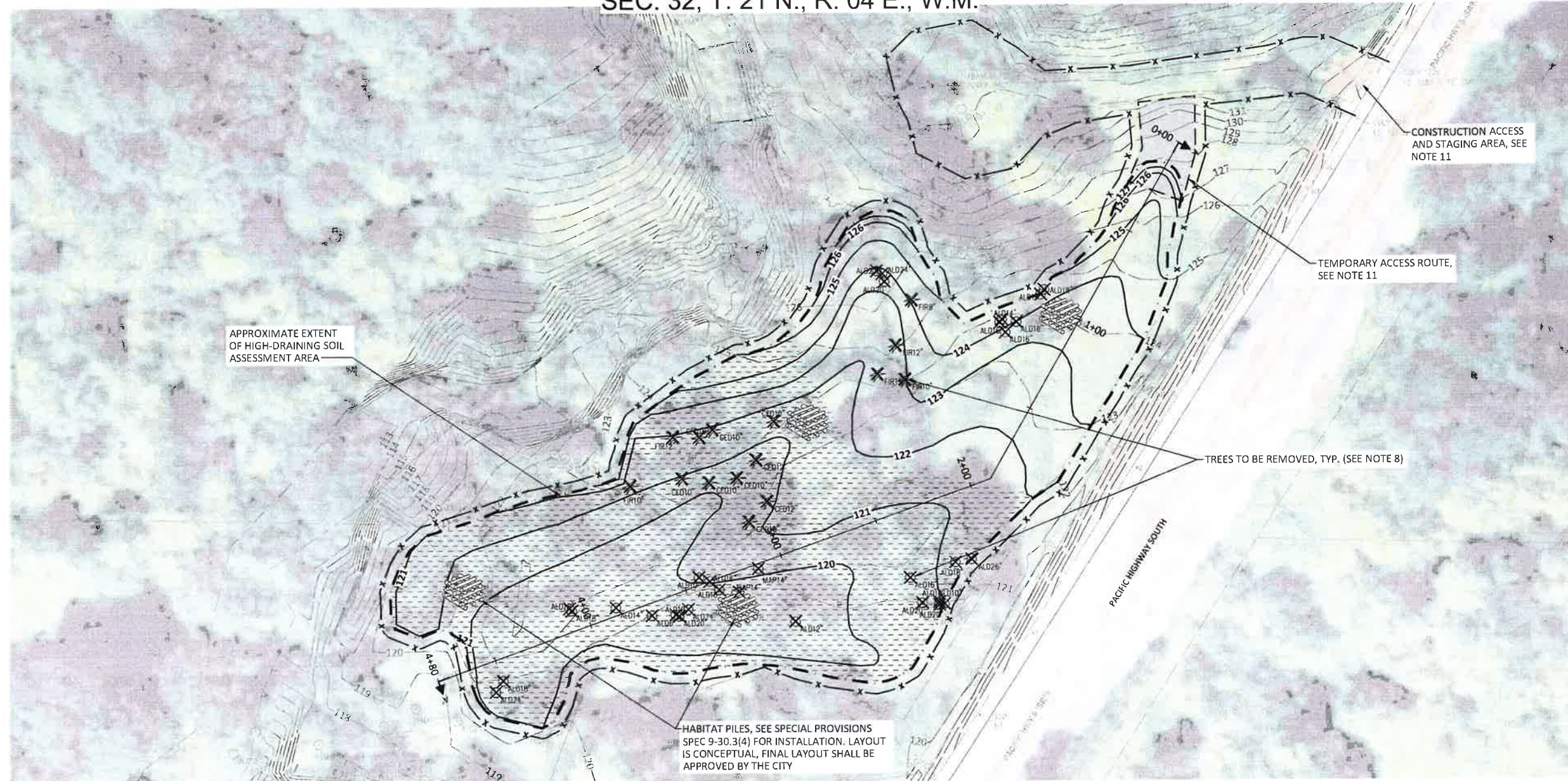
EXISTING CONDITIONS

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 63
OF 93

SEC. 32, T. 21 N., R. 04 E., W.M.

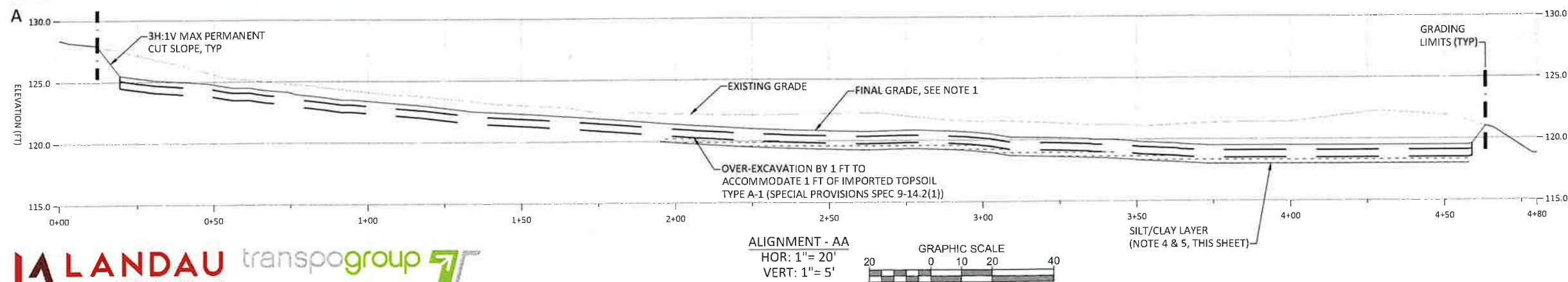


LEGEND

- PROPOSED CONTOUR (SEE NOTE 1) ——— 120 ———
- EXISTING CONTOUR ——— 120 ———
- HIGH VISIBILITY SILT FENCE — x — x — x — x —
- GRADING LIMITS ————
- HIGH-DRAINING SOIL ASSESSMENT AREA (SEE NOTE #3 AND #4) [Pattern]
- TREE TO BE REMOVED X
- HABITAT PILE [Pattern]

NOTES

1. CAD FILES WITH PROPOSED SURFACE DATA TO BE PROVIDED TO CONTRACTOR TO BE USED BY CONTRACTOR TO GENERATE STAKING PLANS FOR THE PROPOSED GRADING. CONTRACTOR TO PROVIDE COPY OF STAKING PLAN FOR ENGINEER AND/OR CITY REVIEW AND APPROVAL PRIOR TO BEGINNING WORK.
2. ALL AREAS TO BE OVER-EXCAVATED BY 1 FOOT AND SUBSEQUENTLY RAISED TO FINAL GRADES THROUGH IMPORTATION AND PLACEMENT OF TOPSOIL TYPE A-1 (SEE SPECIAL PROVISIONS SPEC 9-14.2(1)).
3. THE CONTRACTOR SHALL DELINEATE EXTENT OF HIGH-DRAINING SOIL AREA PER SPECIAL PROVISION 8-30.3(1) C.
4. REFER TO SPECIAL PROVISION 8-30.3(3)C3 FOR PLACEMENT OF WETLAND SILT/CLAY IN AREA OF HIGH-DRAINING SOIL.
5. PLACEMENT OF WETLAND SILT/CLAY MATERIAL SHALL BE PLACED IN ACCORDANCE WITH SPECIAL PROVISION 8-30.3(3)C3 AND INSPECTED BY A CITY REPRESENTATIVE PRIOR TO PLACEMENT OF TOPSOIL.
6. THE AERIAL EXTENT OF THE PLACED WETLAND SILT/CLAY MATERIAL SHALL BE DOCUMENTED ON THE AS-BUILT SURVEY.
7. PERMANENT CUT SLOPE SHALL HAVE A MAXIMUM SLOPE OF 3H:1V.
8. RETAIN ALL FELLED TREES OF 12" OR GREATER DIA. BREAST HEIGHT TO BE INSTALLED IN MITIGATION AREA AS HABITAT PILES PER THIS SHEET AND SPECIAL PROVISIONS SPEC 8-30.3(4).
9. INSTALL HIGH VISIBILITY SILT FENCE ALONG CLEARING AND GRUBBING LIMITS PER WSDOT STANDARD PLAN I-30.17-01.
10. CONTRACTOR TO FIELD LOCATE TEMPORARY ACCESS ROUTE FROM EXISTING ACCESS ROAD TO MITIGATION AREA AND STAGING AREA LIMITS AND OBTAIN APPROVAL OF TEMPORARY ACCESS AND STAGING AREA LIMITS FROM CITY AND ENGINEER PRIOR TO BEGINNING WORK.
11. CONSTRUCTION ACCESS TO BE STABILIZED PER WSDOT STANDARD SPECIFICATION 8-01.3(7) AND WSDOT STANDARD PLAN I-80.10.02. THE STAGING AREA AND TEMPORARY ACCESS ROUTE SHALL BE STABILIZED PER CONSTRUCTION ACCESS SPECIFICATIONS OR APPROVED ALTERNATIVE AS NEEDED TO FACILITATE CONTRACTOR ACCESS AND WORK AREA. ALTERNATIVES TO BE APPROVED BY CITY AND/OR PROJECT ENGINEER.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND HAULING ALL EXTRA DEBRIS AND EXCESS SOIL GENERATED BY THIS PROJECT. PER SPECIAL PROVISIONS SPEC 2-09.3(1)D.



LANDAU transpogroup **7**
ASSOCIATES

155 NE 100TH STREET, SUITE 302
SEATTLE, WASHINGTON 98125

(TEL) 206 631-8680
(FAX) 425 778-3650

CITY OF
Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.CITYOFFEDERALWAY.COM



DRAFTED: BMP
DESIGNED: BMB
REVIEWED: MDV
APPROVED: MWW

PRELIMINARY

DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

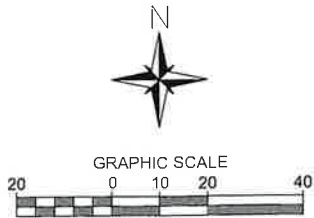
SR 99 AT S 373RD ST ROUNDABOUT
WETLAND MITIGATION PLANS
GRADING PLAN

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 64
OF 93

SEC. 32, T. 21 N., R. 04 E., W.M.



LEGEND

- PROPOSED CONTOUR ——— 120 ———
- EXISTING CONTOUR ——— 120 ———
- FORESTED WETLAND SEED MIX AND PLANTINGS  19,322 SF
- SCRUB/SHRUB WETLAND SEED MIX AND PLANTINGS  19,745 SF
- EMERGENT WETLAND SEED MIX AND PLANTINGS  7,645 SF
- UPLAND RESTORATION SEED MIX  4,603 SF
- HABITAT PILE 

NOTES

- CAD FILES WITH PROPOSED SURFACE DATA TO BE PROVIDED TO CONTRACTOR TO BE USED BY CONTRACTOR TO GENERATE STAKING PLANS FOR THE PROPOSED GRADING. CONTRACTOR TO PROVIDE COPY OF STAKING PLAN FOR ENGINEER AND/OR CITY REVIEW AND APPROVAL PRIOR TO BEGINNING WORK. TOTAL AREA OF WETLAND CREATED IS APPROXIMATELY 1.07 ACRES.
- REMOVE CONSTRUCTION ENTRANCE AND STAGING AREA STABILIZATION MATERIALS AND RIP SOIL PRIOR TO APPLICATION OF UPLAND RESTORATION SEED MIX.



155 NE 100TH STREET, SUITE 302
SEATTLE, WASHINGTON 98125

(TEL) 206 631-8680
(FAX) 425 778-3650



DRAFTED: BMP
DESIGNED: BMB
REVIEWED: MDV
APPROVED: MWW

PRELIMINARY

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR 99 AT S 373RD ST ROUNDABOUT

WETLAND MITIGATION PLANS

PLANTING AREAS

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 65
OF 93

TABLE 1

Emergent Wetland Seed Mix (0.18 acres)		
Common Name	Botanical name	Composition of mix
Slough Sedge	<i>Corex obnupta</i>	15%
Small-wing Sedge	<i>Carex micraptero</i>	20%
Awl-fruited Sedge	<i>Carex stipata</i>	20%
Common Spikerush	<i>Eleocharis palustris</i>	10%
Small-fruited Bulrush	<i>Scirpus microcarpus</i>	25%
Poverty Rush	<i>Juncus tenuis</i>	10%

>Seeding Rate: 0.5 lbs / 1,000 sf over 0.18 acres is 4 lbs total

TABLE 2

Emergent Wetland Plantings (0.18 acres)				
Species	Form	Minimum Container Size	Minimum Spacing (ft OC)	Quantity
Hard stem bullrush (<i>Schoenoplectus acutus</i>)	Plug	10 ci	3	600
Small-fruited bullrush (<i>Scirpus microcarpus</i>)	Plug	10 ci	3	500

>Emergent wetland species should be planted in clusters of 30 with like species

TABLE 3

Scrub/ Shrub and Forested Wetland Seed Mix (0.89 acres)

Common Name	Botanical name	Composition of mix
Meadow Barley	<i>Hordeum brachyantherum</i>	35%
Northwestern Mannagrass	<i>Glyceria occidentallis</i>	20%
Native Red Fescue	<i>Festuca rubra rubra</i>	20%
Water Foxtail	<i>Alapecurus geniculatus</i>	13%
Common Spikerush	<i>Eleocharis palustris</i>	5%
American Sloughgrass	<i>Beckmannia syzigachne</i>	4%
Tufted Hairgrass	<i>Deschampsia cespitosa</i>	2.50%
Spike Bentgrass	<i>Agrastis exarata</i>	0.50%

> Seeding rate: 42 lbs / acre aver 0.89 acres is 38 lbs total

NOTES

1. PLANTINGS AND SEEDING AREA PREPARATION SPECIFICATIONS DETAILED IN STANDARD SPECIFICATION 8-02.5)(A,B,C).
2. PLANTING AND SEEDING DATES AS PER 8-02.3(8)A AND 8-02.3(A)
3. PLANT MATERIAL TO ADHERE TO STANDARD SPECIFICATION 9-14.7(1) AND (2).
4. ALL SEED MIXES, EXCEPT UPLAND RESTORATION MIX, TO BE HYDROSEEDDED WITH HYDROMULCH, TACKIFIER, AND FERTILIZER ADDED. SEE SPECIAL PROVISIONS SPEC 9-14.4 AND 9-14.5(2).
5. EMERGENT WETLAND PLANTINGS SEED MIX TO BE APPLIED WITH HYDROSEEDER, TACKIFIER AT 4LBS/ACRE AND 10-30-10 FERTILIZER AT 2LBS/ 1,000 SQUARE FEET TO BE ADDED TO HYDROSEED SLURRY
6. PLANTINGS TO BE INSTALLED IN LINEAR ROWS SPACED 6' APART.
7. SPACING BETWEEN TREES AND SHRUBS SHOULD ADHERE TO MINIMUM SPACING REQUIREMENTS SHOWN IN TABLES.
8. UPLAND RESTORATION SEED CAN BE BROADCAST BY HAND.
9. UPLAND RESTORATION SEED MIX TO BE USED ON ALL UPLAND AREAS DISTURBED DURING GRADING, STAGING, OR HAULING.

TABLE 4

Forested Wetland Plantings (0.44 Acres)				
Species	Form	Minimum Height (ft)	Minimum Spacing (ft OC)	Quantity
Oregon Ash (<i>Fraxinus latifolia</i>)	Bare root	4	10	45
Black Cottonwood (<i>Populus balsomifera</i>)	Bare root	4	10	70
Quaking aspen (<i>Papulus tremulaides</i>)	Bare root	4	10	75
Total Trees				190
Red-osier Dogwood (<i>Cornus sericea</i>)	Live Stake	4	7	100
Nootka Rose (<i>Rasa nutkana</i>)	Bare root	2	7	100
Pacific ninebark (<i>Physacarpus capitatus</i>)	Bare root	2	7	90
Salmonberry (<i>Rubus spectabilis</i>)	Bare root	2	7	90
Total shrubs				380

TABLE 5

Scrub/ Shrub Wetland Plantings (0.45 acres)				
Species	Form	Minimum Height (ft)	Minimum Spacing (ft OC)	Quantity
Douglas Spirea (<i>Spirea dauglasii</i>)	Bare root	2	6	180
Red-osier Dogwood (<i>Cornus sericea</i>)	Live Stake	3	6	150
Pacific Willow (<i>Salix lasiandra</i>)	Live Stake	4	6	105
Scouler's willow (<i>Salix scauleriana</i>)	Live Stake	4	6	150
Total Shrubs				585

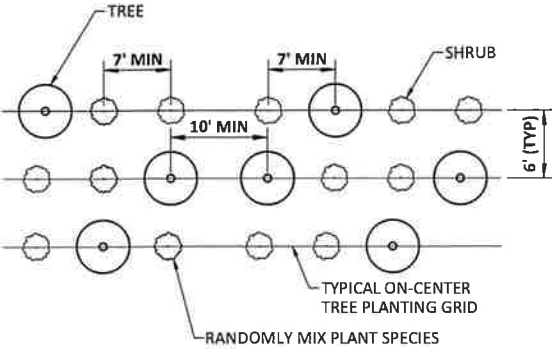
>Dogwood stake diameter should be o minimum of ½ in and no more 1 ½ in

>Willaw stoke diameter should be a minimum of ¼ in and na more than 1 ½ in

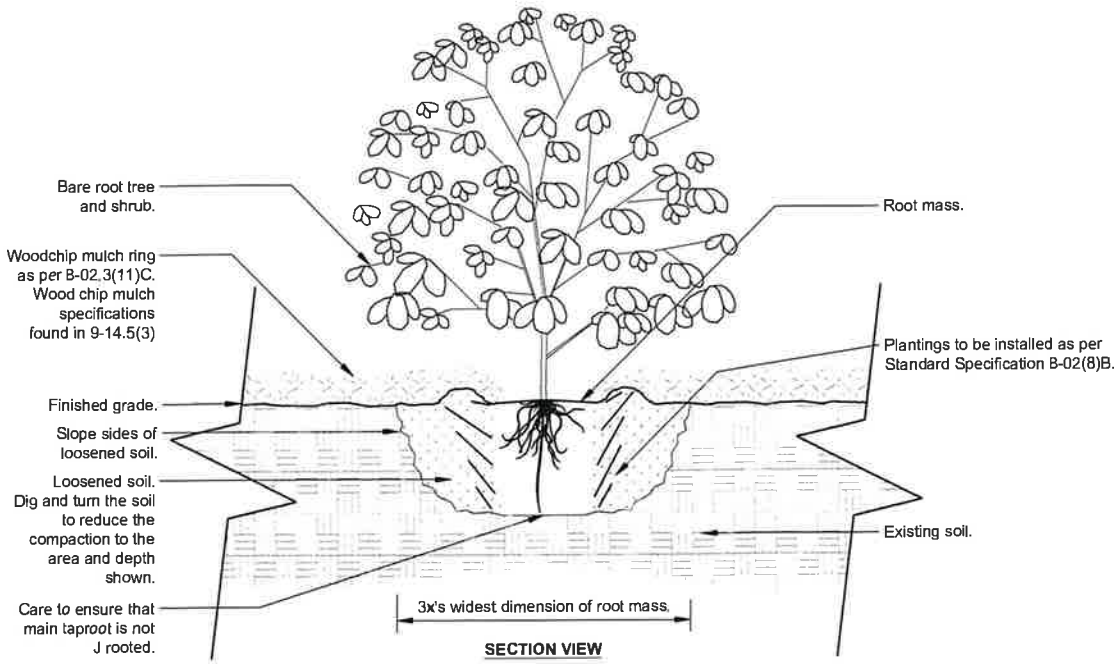
TABLE 6

Upland Restoration Seed Mix (0.11 acres)		
Common Name	Botanical name	Composition of mix
Meadow Barley	<i>Hordeum brachyontherum</i>	40%
California	<i>Bramus carinatus</i>	35%
Native Red	<i>Festuca rubra rubra</i>	20%
Tufted Hairgrass	<i>Deschampsia cespitasa</i>	3%
Spike Bentgrass	<i>Agrastis exarata</i>	2%

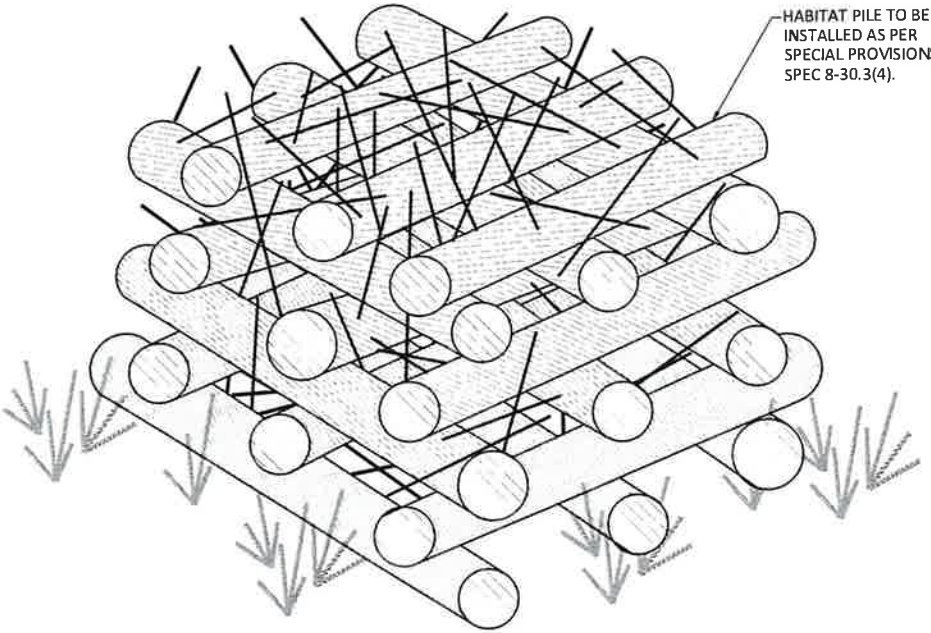
>Seeding Rate: 1 lb / 1,000 sf as needed



PLANTING DETAIL
NTS



BARE ROOT TREE/SHRUB DETAIL
NTS



HABITAT PILE DETAIL
NTS



155 NE 100TH STREET, SUITE 302
SEATTLE, WASHINGTON 98125

(TEL) 206 631-8680
(FAX) 425 778-3650



DRAFTED: BMP
DESIGNED: BMB
REVIEWED: MDV
APPROVED: MWW

PRELIMINARY

DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

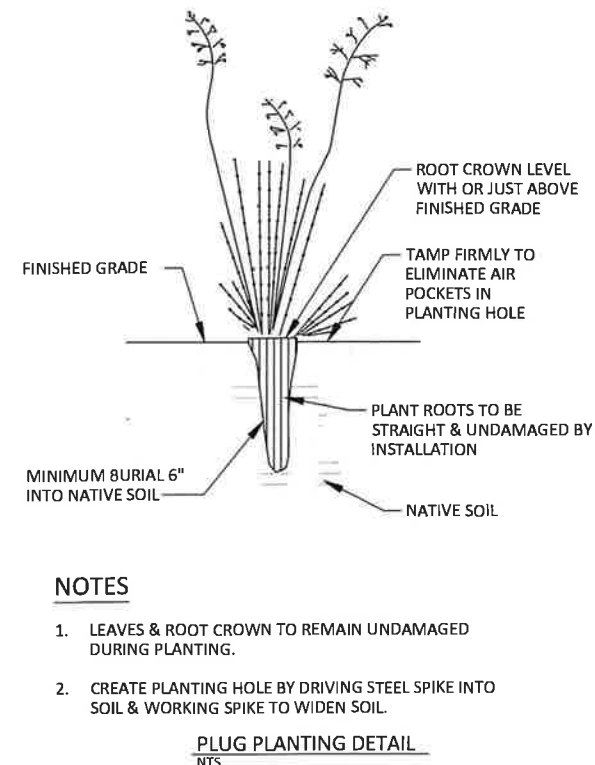
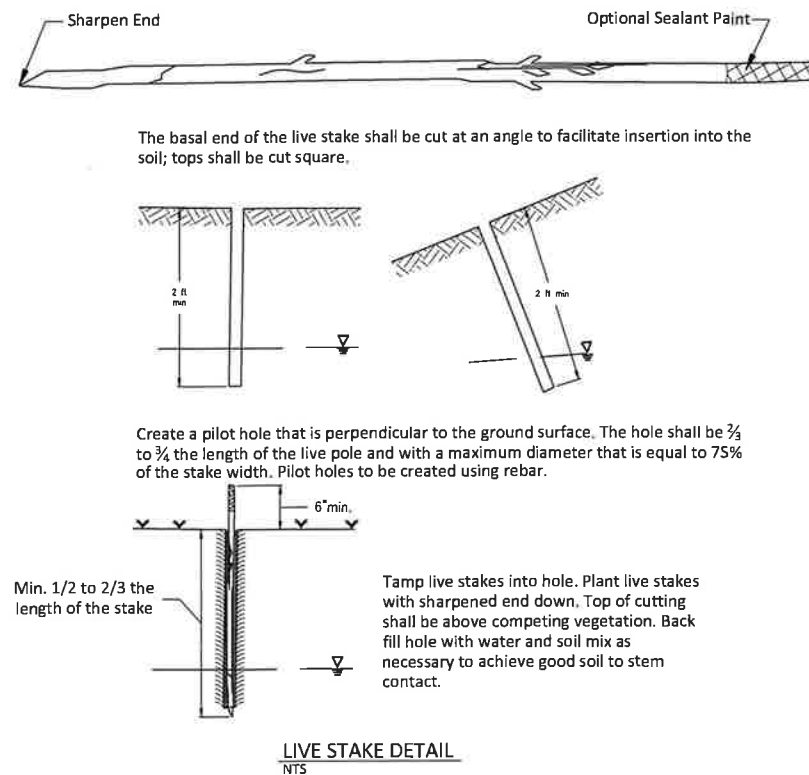
SR 99 AT S 373RD ST ROUNDABOUT

WETLAND MITIGATION PLANS
PLANTING DETAILS

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 66
OF 93



NOTES

1. LEAVES & ROOT CROWN TO REMAIN UNDAMAGED DURING PLANTING.
2. CREATE PLANTING HOLE BY DRIVING STEEL SPIKE INTO SOIL & WORKING SPIKE TO WIDEN SOIL.



155 NE 100TH STREET, SUITE 302
SEATTLE, WASHINGTON 98125

(TEL) 206 631-8680
(FAX) 425 778-3650



DRAFTED: BMP
DESIGNED: BMB
REVIEWED: MDV
APPROVED: MWW

PRELIMINARY

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR 99 AT S 373RD ST ROUNDABOUT

WETLAND MITIGATION PLANS

PLANTING DETAILS

BID SUBMITTAL

CITY PROJECT #:
36224

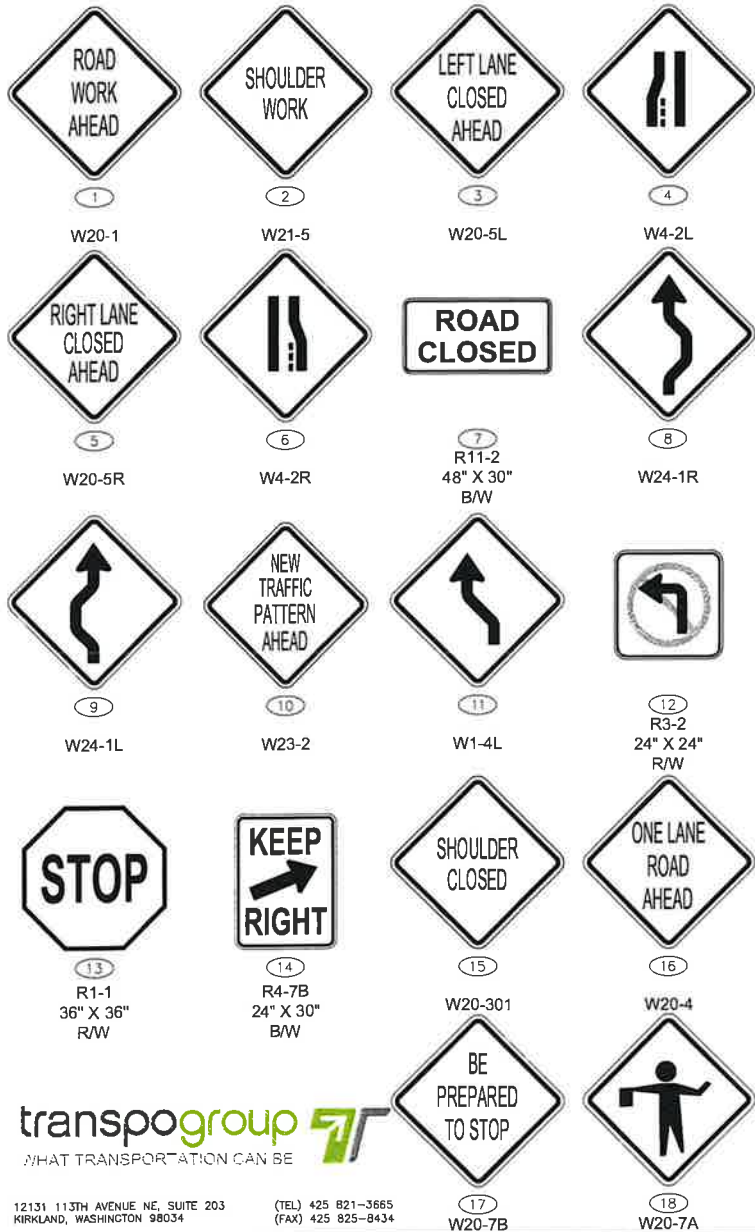
SHT. **67**
OF **93**

SEC. 32, T. 21 N., R. 04 E., W.M.

LEGEND

DESCRIPTION	SYMBOL
RIGHT-OF-WAY	-----
CONSTRUCTION NOTE	#
SIGN NOTE	#
CHANNELIZATION DEVICE (HIGH VISIBILITY)	•
TEMPORARY SIGN ON PORTABLE CRASHWORTHY SUPPORT	K
SEQUENTIAL ARROW PANEL	<<<
TYPE III BARRICADE	+++
DIRECTION OF TRAVEL	→
TRANSPORTABLE ATTENUATOR	
WORK AREA	

SIGN LEGEND



transpogroup
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425-821-3665
(FAX) 425-825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SIGN SPACING = X (1)		
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ±
URBAN STREETS	25 MPH OR LESS	100' ±

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (FT)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
HOST VEHICLE WEIGHT 9,900 TO 22,000 LBS						HOST VEHICLE WEIGHT > 22,000 LBS				
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH
100'	123'	172'	74'	100'	150'	100'	123'	172'	74'	100'
PROTECTIVE VEHICLE (WORK VEHICLE) = R										
NO SPECIFIED DISTANCE REQUIRED										

MINIMUM LANE CLOSURE TAPER LENGTH = L (FT)										
LANE WIDTH (FT)	POSTED SPEED (MPH)									
	20	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

MINIMUM SHOULDER TAPER LENGTH = L/3 (FT)										
SHOULDER WIDTH (FT)	POSTED SPEED (MPH)									
	25	30	35	40	45	50	55	60	65	70
8	40	40	60	90	120	130	150	160	170	190
10	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THAN 8'.										

CHANNELIZATION DEVICE SPACING (FT)		
MPH	TAPER	TANGENT
50 / 65	40	80
35 / 45	30	60
25 / 30	20	40

TRAFFIC CONTROL GENERAL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PART 6, CITY OF FEDERAL WAY STANDARD SPECIFICATIONS, AND THE CONTRACT, UNLESS OTHERWISE NOTED. A COPY OF THESE DOCUMENTS SHALL BE ON SITE DURING CONSTRUCTION.
- A COPY OF THE APPROVED PLAN(S) SHALL BE ON SITE DURING CONSTRUCTION.
- ALL PERMITS REQUIRED FOR WORK WITHIN THE PUBLIC RIGHT OF WAY MUST BE OBTAINED PRIOR TO THE START OF CONSTRUCTION.
 - CITY OF FEDERAL WAY PUBLIC WORKS - (253) 835-2700
 - SOUTH KING FIRE DEPARTMENT - (253) 946-7258
 - CITY OF FEDERAL WAY POLICE DEPARTMENT - (253) 835-6700
 - PIERCE TRANSIT - (253) 581-8000
- NOTIFY THE FOLLOWING AGENCIES A MINIMUM OF 10 CALENDAR DAYS IN ADVANCE OF ANY ROAD CLOSURES OR DETOURS:
 - CITY OF FEDERAL WAY PUBLIC WORKS - (253) 835-2700
 - SOUTH KING FIRE DEPARTMENT - (253) 946-7258
 - CITY OF FEDERAL WAY POLICE DEPARTMENT - (253) 835-6700
 - PIERCE TRANSIT - (253) 581-8000
- MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES, UNLESS OTHERWISE NOTED IN THESE PLANS OR APPROVED BY THE ENGINEER. NO LEFT TURNS WILL BE PERMITTED TO OR FROM SR 99.
- ALL WORK SHALL BE CONSISTENT WITH UTILITY AGENCY REQUIREMENTS. THE CONTRACTOR SHALL CONTACT UTILITY AGENCIES 48 HOURS PRIOR TO COMMENCING WORK AND SHALL COORDINATE WITH ALL AFFECTED UTILITY AGENCIES THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING UTILITIES RESULTING FROM CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL NOTIFY THE AFFECTED UTILITY AGENCY IMMEDIATELY UPON DAMAGE AND SHALL BE RESPONSIBLE FOR REPLACING DAMAGED EQUIPMENT TO THE SATISFACTION OF THE AFFECTED UTILITY AGENCY.
- MAINTAIN ACCESS TO TRANSIT STOPS AT ALL TIMES. COORDINATE WITH PIERCE TRANSIT (253-581-8000) A MINIMUM OF 10 CALENDAR DAYS IN ADVANCE OF IMPLEMENTING TEMPORARY TRAFFIC CONTROL THAT WOULD IMPACT A TRANSIT STOP. COORDINATE WITH PIERCE TRANSIT REGARDING REQUIREMENTS FOR TEMPORARILY RELOCATING TRANSIT STOPS.
- FLAGGING STATIONS SHALL BE ILLUMINATED DURING HOURS OF DARKNESS AS APPROVED BY THE ENGINEER. FLAGGERS SHOULD BE VISIBLE AND DISCERNABLE AS A FLAGGER FROM A MINIMUM DISTANCE OF 1,000'.
- MAINTAIN EXISTING LANE WIDTHS AT ALL TIMES. DEVICES SHALL BE OFFSET FROM LANE/EDGE LINES BY A MINIMUM OF 2'. THE TRAFFIC CONTROL SUPERVISOR MAY FIELD-ADJUST DEVICES UP TO THE LANE/EDGE LINE IF NEEDED, BUT DEVICES SHALL NOT ENCRoACH INTO THE OPEN LANE. WHERE EXISTING LANE WIDTHS CANNOT FEASIBLY BE MAINTAINED, LANE WIDTHS SHALL BE 11' MINIMUM AT ALL TIMES, UNLESS OTHERWISE NOTED IN THESE PLANS.
- WHERE STEEL PLATES ARE NECESSARY TO COVER AN EXCAVATION WITHIN THE ROADWAY, EACH SIDE OF THE PLATE SHALL HAVE A MINIMUM 12" BEARING ON THE SIDES OF THE EXCAVATION. PLATES SHALL BE ANCHORED AND BEDDED ON TEMPORARY PAVEMENT PATCH MATERIAL, SHIMMED TO PREVENT MOVEMENT, ORIENTED PERPENDICULAR TO TRAFFIC, WITH BEDDING TAPERED ON ALL SIDES TO PROVIDE SMOOTH TRANSITION FOR ALL USERS. PLATES SHALL BE TEXTURED TO PROVIDE A NON-SKID SURFACE AS APPROVED BY THE ENGINEER. PLATES SHALL BE DELINEATED WITH PAINT AT ITS EDGES AND WARNING SIGN(S) W8-24 (STEEL PLATE AHEAD) INSTALLED AS DIRECTED BY THE ENGINEER.
- TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE CRASHWORTHY AND COMPLY WITH MUTCD PART 6.
- CHANNELIZATION DEVICES USING DURING HOURS OF DARKNESS SHALL HAVE RETROREFLECTIVE BANDS.
- EXISTING SIGNAGE IN CONFLICT WITH TEMPORARY TRAFFIC CONTROL SIGNAGE SHALL BE REMOVED OR SECURELY COVERED BY A METHOD APPROVED BY THE ENGINEER.
- TEMPORARY TRAFFIC CONTROL SIGNS IN PLACE AT ONE LOCATION CONTINUOUSLY FOR LONGER THAN THREE DAYS SHALL BE CLASS A.
- CLASS A CONSTRUCTION SIGNING SHALL BE INSTALLED AS SHOWN IN THESE PLANS AND PER WSDOT STANDARD PLANS K-80.10 AND G-22.10.
- THE CONTRACTOR SHALL FIELD STAKE AND VERIFY FINAL LOCATIONS OF PROPOSED CLASS A SIGNS WITH THE ENGINEER PRIOR TO INSTALLATION.
- SIGNS SHALL BE BLACK LEGEND ON ORANGE BACKGROUND, UNLESS OTHERWISE NOTED IN THESE PLANS.
- DIAMOND SHAPED WARNING SIGNS (W SERIES) SHALL BE 48" X 48", UNLESS OTHERWISE NOTED IN THESE PLANS.
- SIGNS MOUNTED TO TYPE 3 BARRICADES SHALL BE INSTALLED PER MUTCD CHAPTER 6F SECTION 6F.63 OR THE MANUFACTURER'S RECOMMENDATIONS.
- TEMPORARY CONCRETE BARRIERS SHALL BE INSTALLED PER WSDOT STANDARD PLAN K-80.35. TEMPORARY CONCRETE BARRIERS MAY BE PLACED UNANCHORED, UNLESS OTHERWISE NOTED IN THESE PLANS.
- TEMPORARY NARROW CONCRETE BARRIERS SHALL BE INSTALLED PER WSDOT STANDARD PLAN K-80.37-01.
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) BOARDS SHOULD BE LOCATED BEHIND GUARDRAIL OR BARRIER WHEREVER FEASIBLE. PCMS BOARDS NOT LOCATED BEHIND GUARDRAIL OR BARRIER SHALL HAVE A TAPER CONSISTING A MINIMUM OF 3 CHANNELIZATION DEVICES IN ADVANCE OF THE PCMS BOARD. PCMS BOARDS SHALL BE REMOVED WHEN NOT DISPLAYING ANY MESSAGES.
- TYPE 3 BARRICADES SHALL BE INSTALLED PER MUTCD CHAPTER 6F SECTION 6F.63.
- PROVIDE PEDESTRIAN AND BICYCLE TRAFFIC WITH AN ALTERNATE ROUTE WHEN EXISTING FACILITIES ARE INTERRUPTED BY CONSTRUCTION ACTIVITIES. ALTERNATIVE ROUTES SHALL BE CLEARLY DELINEATED AND SEPARATED FROM THE CONSTRUCTION ACTIVITIES. THE FOLLOWING GUIDANCE IS PROVIDED REGARDING TEMPORARY TRAFFIC CONTROL FOR PEDESTRIANS:
 - TEMPORARY TRAFFIC CONTROL DEVICES AND OTHER CONSTRUCTION WORKMATERIALS/EQUIPMENT SHALL NOT ENCRoACH INTO THE USABLE WIDTH OF PEDESTRIAN ROUTES.
 - PROVIDE A MINIMUM 84" UNOBSTRUCTED VERTICAL CLEARANCE FOR PEDESTRIAN ROUTES. SIGNS AND OTHER DEVICES LOWER THAN 84" ABOVE THE PEDESTRIAN ROUTE SHALL NOT PROJECT GREATER THAN 4" INTO THE ROUTE.
 - MAINTAIN THE WIDTH OF EXISTING PEDESTRIAN ROUTES WHENEVER FEASIBLE. WHEN NOT FEASIBLE TO MAINTAIN A MINIMUM WIDTH OF 60" THROUGH THE LENGTH OF THE ROUTE, MAINTAIN A MINIMUM WIDTH OF 48" THROUGH THE LENGTH OF THE ROUTE AND PROVIDE 60'X60' PASSING ZONES SPACED AT MAXIMUM INTERVALS OF 200' ALONG THE ROUTE.
 - PROVIDE A SMOOTH, CONTINUOUS, HARD SURFACE THROUGH THE LENGTH AND WIDTH OF THE PEDESTRIAN ROUTE. THERE SHALL BE NO CURBS OR VERTICAL ELEVATION CHANGES GREATER THAN 1/2" IN GRADE OR TERRAIN. VERTICAL ELEVATION DIFFERENCES BETWEEN 1/4" AND 1/2" SHALL BE BEVELED AT A MAXIMUM SLOPE OF 2:1.
 - IF CHANNELIZATION DEVICES ARE USED TO DELINEATE A PEDESTRIAN ROUTE, A CONTINUOUS DETECTABLE EDGING SHALL BE PROVIDED THROUGH THE LENGTH OF THE ROUTE. THE TOP OF THE EDGING SHALL BE A MINIMUM OF 32" ABOVE THE ROUTE SURFACE AND THE BOTTOM OF THE EDGING SHALL BE A MAXIMUM OF 2" ABOVE THE ROUTE SURFACE.
 - AT LOCATIONS WHERE PROVIDING AN ALTERNATE PEDESTRIAN ROUTE IS INFEASIBLE, PEDESTRIAN CLOSURE/DIRECTION SIGNAGE SHALL BE POSTED IN ADVANCE OF THE PEDESTRIAN FACILITY CLOSURE AT THE NEAREST MARKED CROSSWALK OR INTERSECTION.
 - PHYSICAL BARRICADES SHALL BE INSTALLED WHEREVER THE EXISTING ACCESSIBLE ROUTE IS CLOSED TO PREVENT PEDESTRIANS FROM INADVERTENTLY ENTERING A WORK AREA.
 - TEMPORARY RAMPS SHALL BE CONSTRUCTED WHEREVER AN ALTERNATE PEDESTRIAN ROUTE CROSSES A CURB AND EXISTING CURB RAMPS ARE UNAVAILABLE. THE MINIMUM WIDTH OF THE RAMP SHALL BE 48"; THE MAXIMUM SLOPE OF THE RAMP SHALL BE 8.3%; THE MAXIMUM CROSS SLOPE OF THE RAMP SHALL BE 2%. THE BOTTOM OF THE TEMPORARY RAMP SHALL BE FLUSH WITH THE ROADWAY. TEMPORARY DETECTABLE WARNING MATS (OR SIMILAR) SHALL BE INSTALLED AT STREET CROSSINGS.
 - INFORMATION REGARDING CLOSED PEDESTRIAN ROUTES, ALTERNATE CROSSINGS, AND SIGN/SIGNAL INFORMATION SHALL BE COMMUNICATED TO PEDESTRIANS BY PROVIDING DEVICES SUCH AS AUDIO INFORMATION DEVICES, ACCESSIBLE PEDESTRIAN SIGNALS, AND/OR DETECTABLE BARRIER/CHANNELIZATION DEVICES.
- POSTED SPEED FOR SR 99: 50 MPH.
- POSTED SPEED FOR S 373RD ST: 35 MPH.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING TUFF POST CURB AND BASE AS NECESSARY TO IMPLEMENT TRAFFIC CONTROL PLANS. CONTRACTOR SHALL RE-INSTALL TUFF POST CURB AND BASE AT THE END OF EACH PHASE.
- CONTRACTOR SHALL PROVIDE A "BUSINESS OPEN DURING CONSTRUCTION" SIGN AT EVERY RESIDENTIAL DRIVEWAY APPROACH WITHIN THE PROJECT LIMITS. "BUSINESS OPEN DURING CONSTRUCTION" SIGNS SHALL BE CONSTRUCTION SIGNS CLASS A.
- CONTRACTOR SHALL INSTALL TWO CITY OF FEDERAL WAY PROJECT SIGNS FOR THE DURATION OF CONSTRUCTION. THE SIGNS SHALL BE CONSTRUCTION SIGNS CLASS A. COORDINATE WITH ENGINEER FOR LOCATION.
- MINIMUM 4 FOOT PEDESTRIAN ACCESS ROUTE SHALL BE MAINTAINED ALONG THE SHOULDER ON SR 99 AND S 373RD STREET THROUGHOUT CONSTRUCTION.
- RDW PERMIT WILL BE REQUIRED FROM THE CITY OF MILTON FOR ANY TRAFFIC CONTROL SIGNS OR DEVICES WITHIN THE CITY OF MILTON. CONTRACTOR IS RESPONSIBLE FOR APPLICATIONS AND ALL FEES.

BID SUBMITTAL

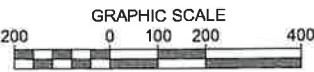
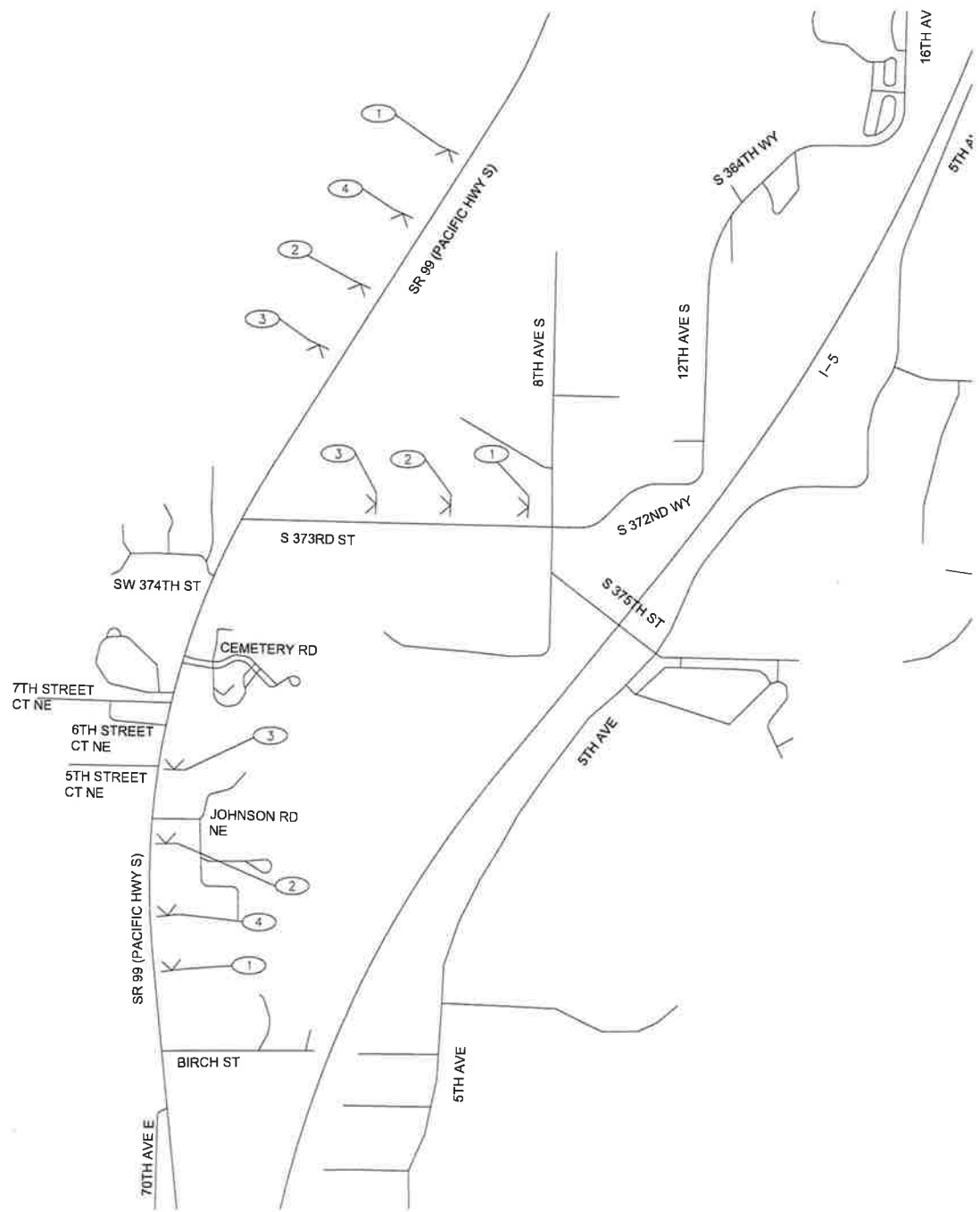
SR99 AT S 373RD ST ROUNDABOUT

TRAFFIC CONTROL PLAN NOTES & LEGEND

CITY PROJECT #:
36224

SHT. 68
OF 93

SEC. 32, T. 21 N., R. 04 E., W.M.



LEGEND	
DESCRIPTION	SYMBOL
TEMPORARY SIGN	K

- NOTES:
- SEE SHEET SHEET 68 FOR GENERAL NOTES, SIGN SCHEDULE, AND LEGEND.
 - SPEED REDUCTION PLAN SHALL BE IN PLACE STARTING WITH STAGE 3 THROUGH THE END OF CONSTRUCTION.
 - SIGN SPACING SHALL BE PER TABLE ON SHEET 68.
 - ALL EXISTING SPEED LIMIT SIGNS WITHIN THE SPEED REDUCTION PLAN LIMITS SHALL BE COVERED.

SIGN LEGEND (THIS SHEET ONLY)



1
W20-1



2
W3-5 (25)



3
R2-1 (25)
B/W



4
R2-1 (40)
B/W



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434



**CITY OF
Federal Way**
Centered on Opportunity

33325 8TH AVE S
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



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

DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

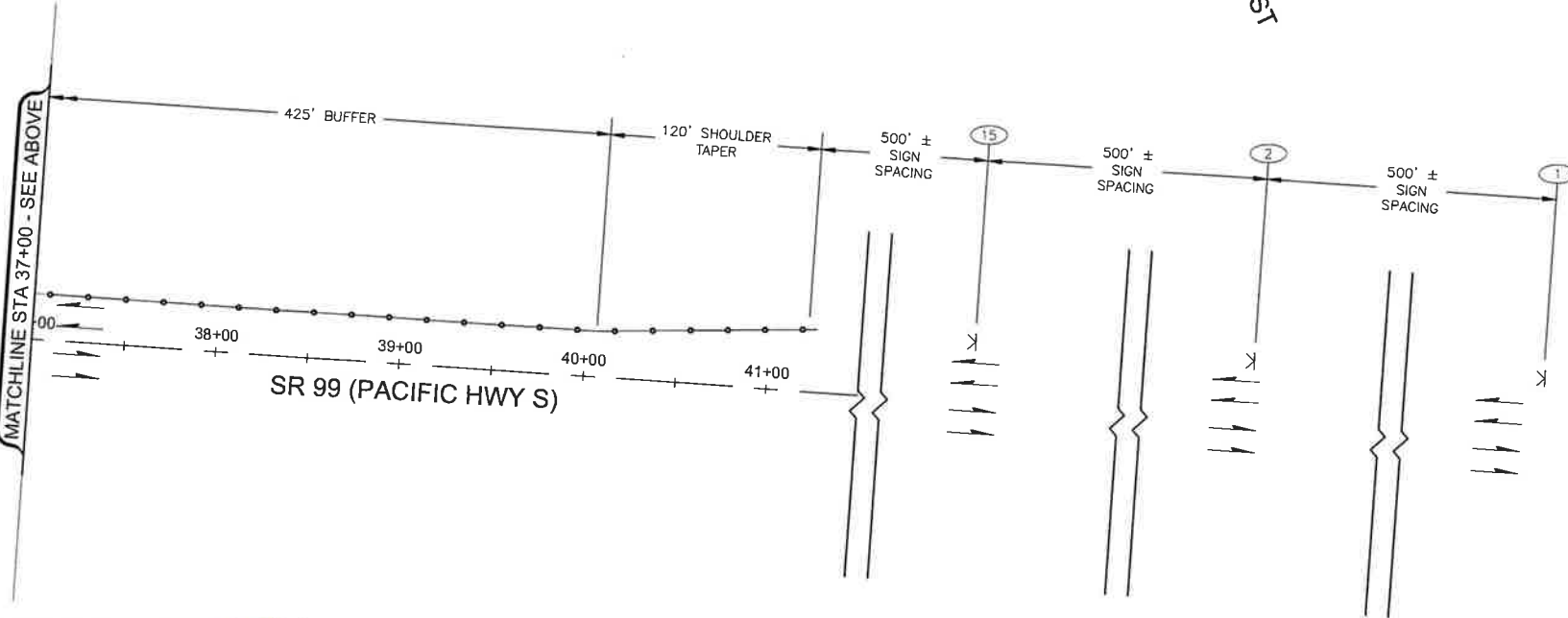
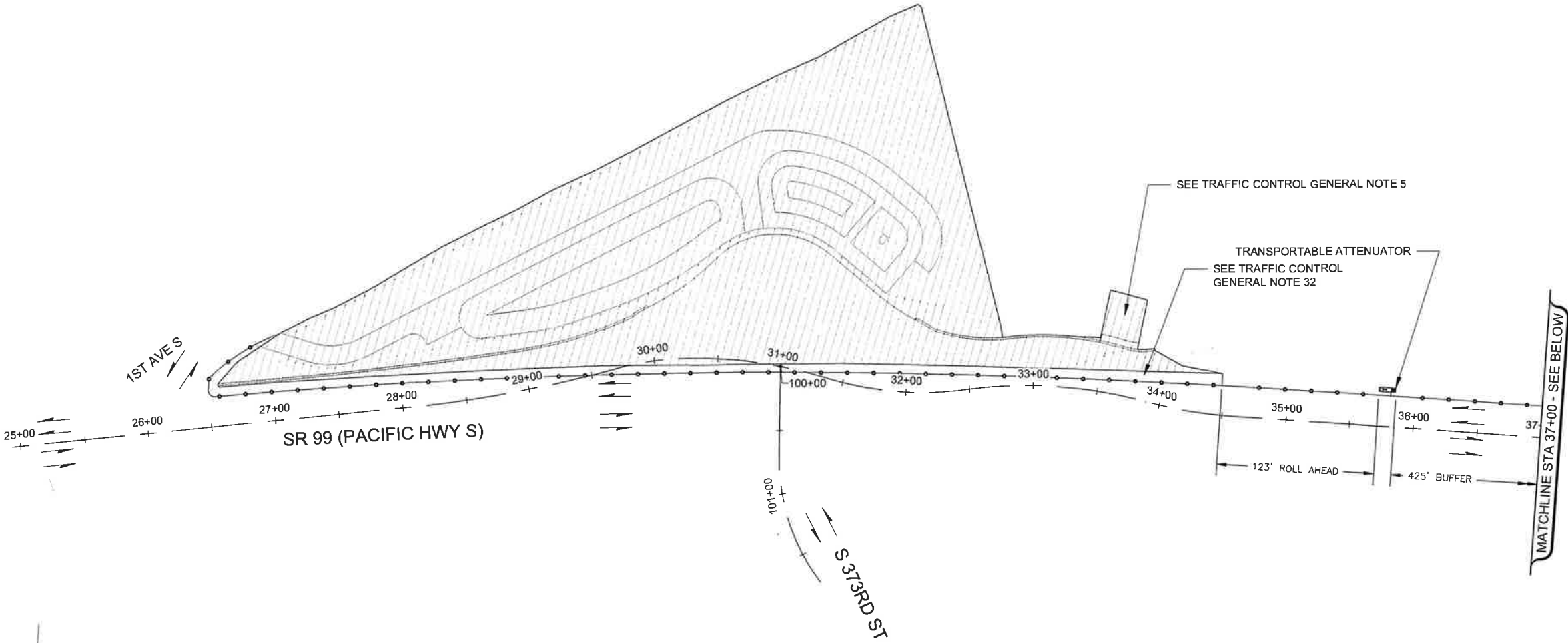
SR99 AT S 373RD ST ROUNDABOUT

SPEED REDUCTION PLAN

BID SUBMITTAL

CITY PROJECT #:	36224
SHT. 69	OF 93

SEC. 32, T. 21 N., R. 04 E., W.M.



LEGEND

DESCRIPTION	SYMBOL
RIGHT-OF-WAY	---
CONSTRUCTION NOTE	#
SIGN NOTE	#
CHANNELIZATION DEVICE (HIGH VISIBILITY)	—•—•—•—
TEMPORARY SIGN	K
SEQUENTIAL ARROW PANEL	<<<<
TYPE III BARRICADE	+++
DIRECTION OF TRAVEL	→
TRANSPORTABLE ATTENUATOR	[Symbol]
WORK AREA	[Hatched Box]

NOTES:

- SEE SHEET SHEET 68 FOR GENERAL NOTES, TABLES, AND LEGEND.
- SEE SHEET 69 FOR SPEED REDUCTION PLAN.

SIGN LEGEND (THIS SHEET ONLY)

Symbol	Sign Type	Sign Number
[Diamond]	ROAD WORK AHEAD	1
[Diamond]	SHOULDER WORK	2
[Diamond]	SHOULDER CLOSED	15

W20-1 W21-5 W20-301



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV

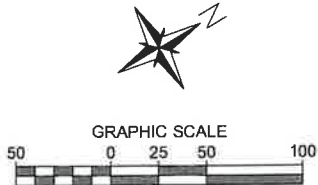
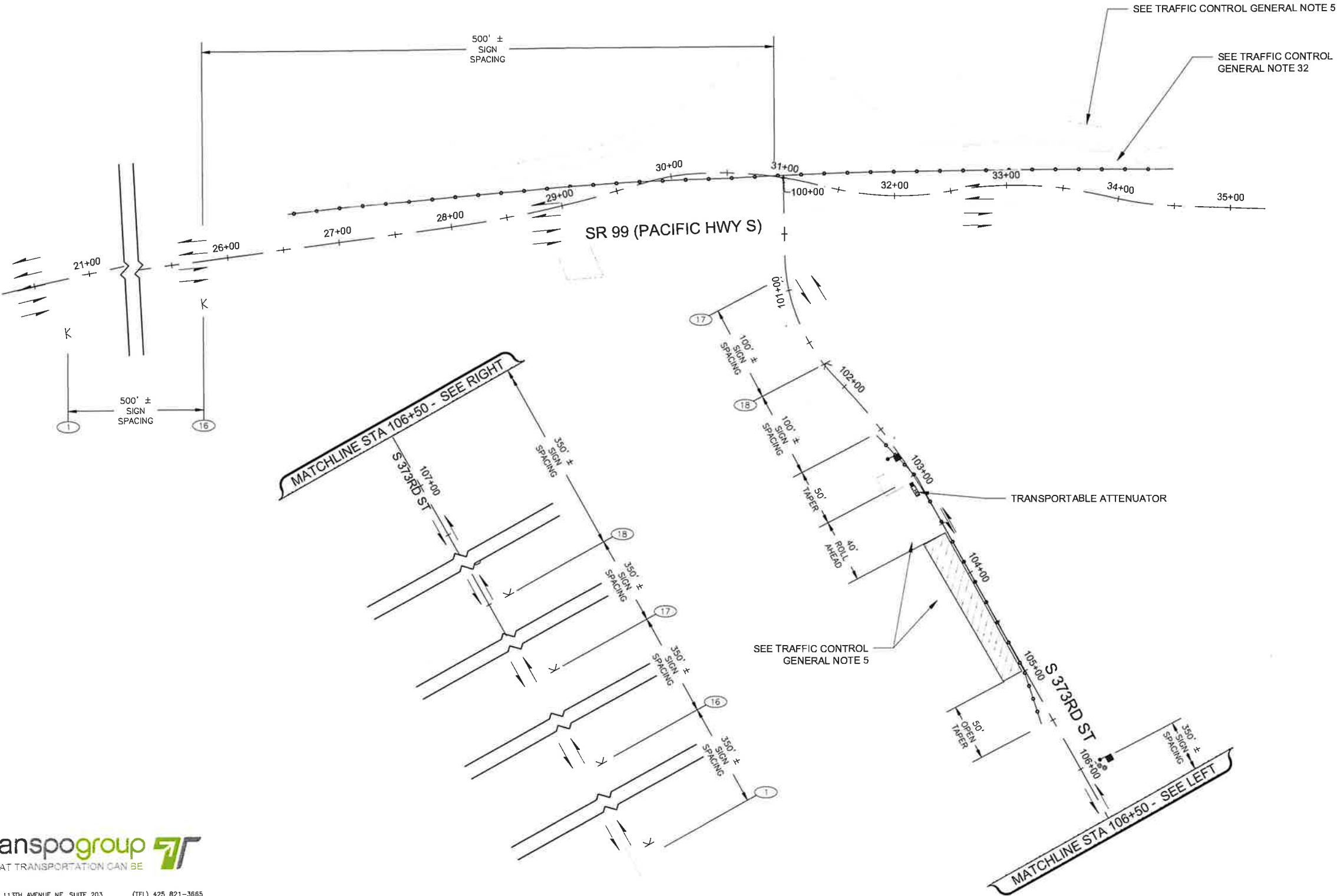
811
Know what's below.
Call before you dig.

DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT TRAFFIC CONTROL PLAN - STAGE 1	CITY PROJECT #: 36224
	SHT. 70 OF 93



LEGEND	
DESCRIPTION	SYMBOL
RIGHT-OF-WAY	---
CONSTRUCTION NOTE	#
SIGN NOTE	#
CHANNELIZATION DEVICE (HIGH VISIBILITY)	—●—
TEMPORARY SIGN	K
SEQUENTIAL ARROW PANEL	<<<
TYPE III BARRICADE	+++
DIRECTION OF TRAVEL	→
TRANSPORTABLE ATTENUATOR	▬
WORK AREA	▨
FLAGGER	♦

- NOTES:
- SEE SHEET SHEET 68 FOR GENERAL NOTES, TABLES, AND LEGEND.
 - SEE SHEET 69 FOR SPEED REDUCTION PLAN.

SIGN LEGEND (THIS SHEET ONLY)

1
W20-1

16
W20-4

17
W3-4

18
W20-7A



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

**CITY OF
Federal Way**
Centered on Opportunity
33325 8TH AVE S
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV

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

DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:



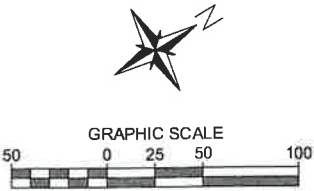
DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

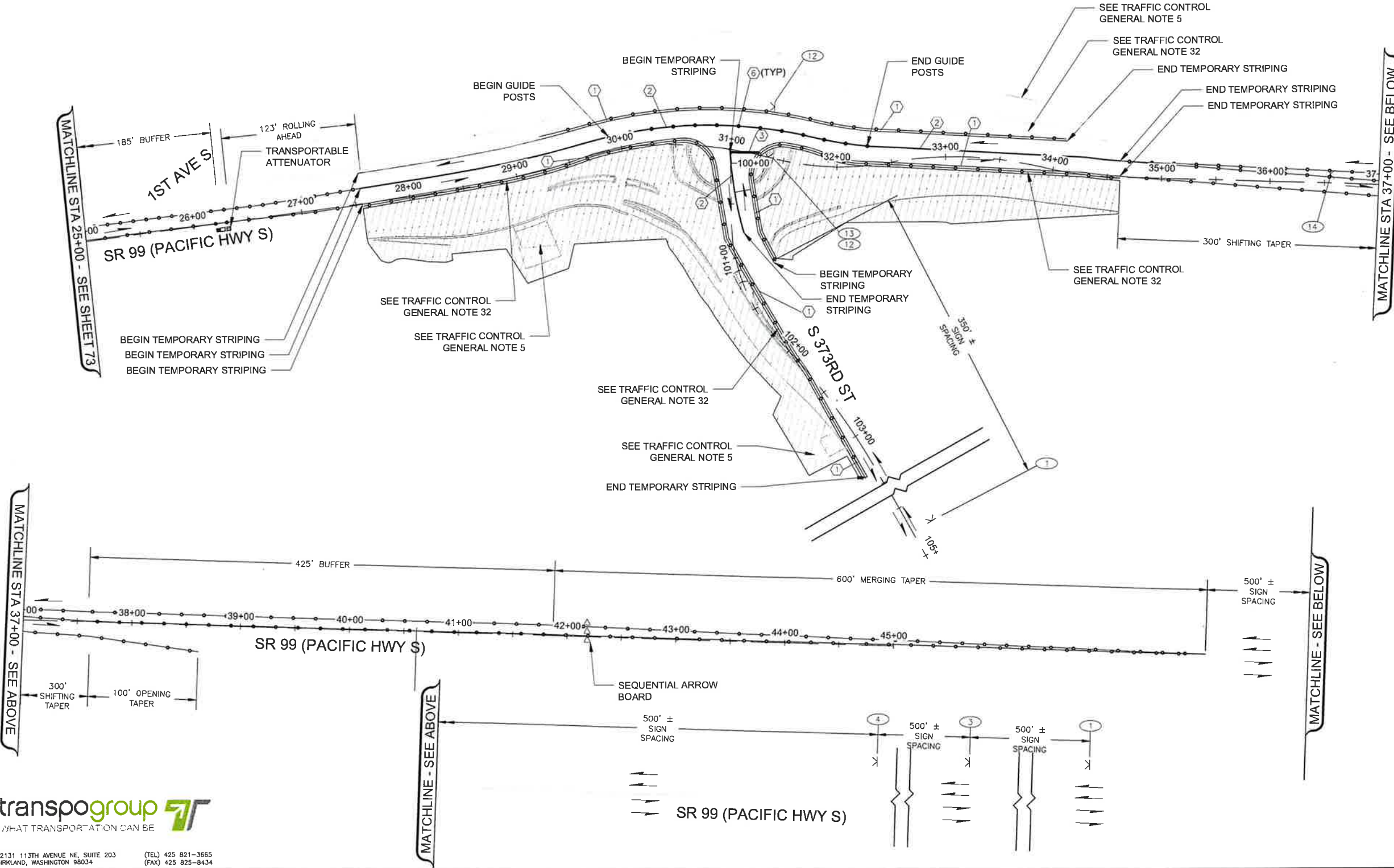
TRAFFIC CONTROL PLAN - STAGE 2

BID SUBMITTAL

CITY PROJECT #:	36224
SHT.	71
OF	93



LEGEND	
DESCRIPTION	SYMBOL
RIGHT-OF-WAY	_____
CONSTRUCTION NOTE	⬡#
SIGN NOTE	⬢#
CHANNELIZATION DEVICE (HIGH VISIBILITY)	—●—●—●—●—●—●—●—●—●—
FLEXIBLE GUIDE POST	●
TEMPORARY SIGN	K
SEQUENTIAL ARROW PANEL	<<<
TYPE III BARRICADE	///
DIRECTION OF TRAVEL	→
TRANSPORTABLE ATTENUATOR	▬▬▬▬
WORK AREA	▨
NOTES:	



transpogroup

WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034

(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity

33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV

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

DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:

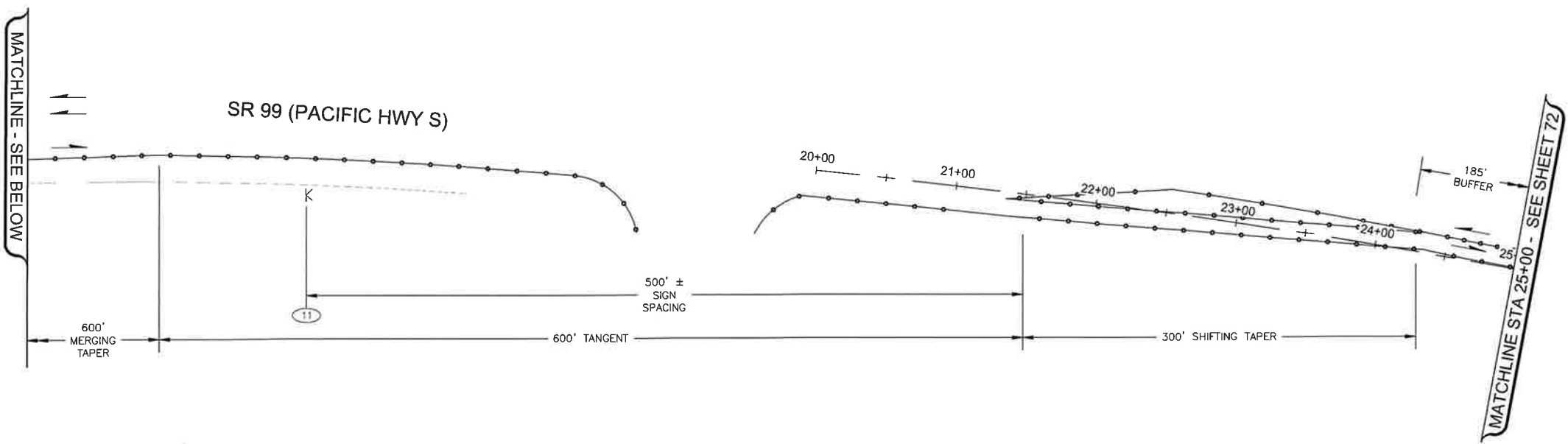


DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

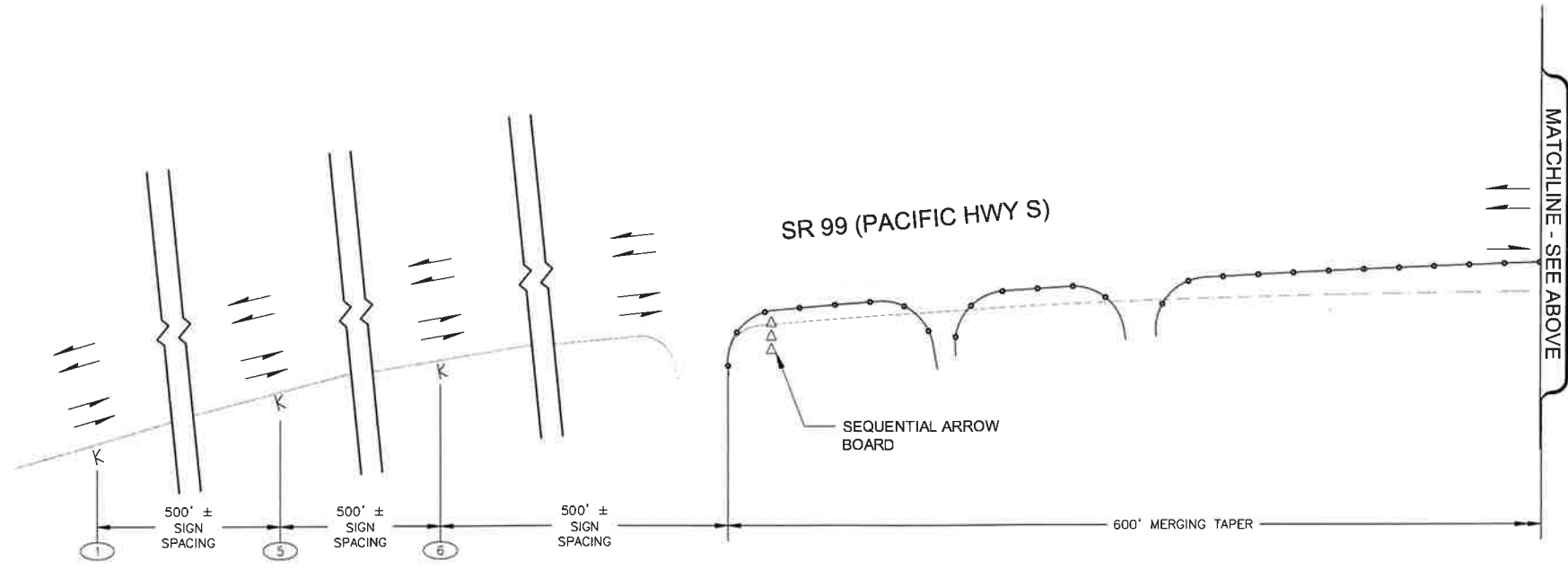
TRAFFIC CONTROL PLAN - STAGE 3A

CITY PROJECT #:	36224
SHT.	72
OF	93



LEGEND	
DESCRIPTION	SYMBOL
RIGHT-OF-WAY	---
CONSTRUCTION NOTE	#
SIGN NOTE	Ⓚ
CHANNELIZATION DEVICE (HIGH VISIBILITY)	—●—
TEMPORARY SIGN	K
SEQUENTIAL ARROW PANEL	<<<
TYPE III BARRICADE	+++
DIRECTION OF TRAVEL	→
TRANSPORTABLE ATTENUATOR	▬
WORK AREA	▨

- NOTES:
- SEE SHEET SHEET 68 FOR GENERAL NOTES, TABLES, AND LEGEND.
 - SEE SHEET 69 FOR SPEED REDUCTION PLAN.



SIGN LEGEND (THIS SHEET ONLY)

1	5	6
W20-1	W20-5R	W4-2R
11		
W1-4L		



12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV

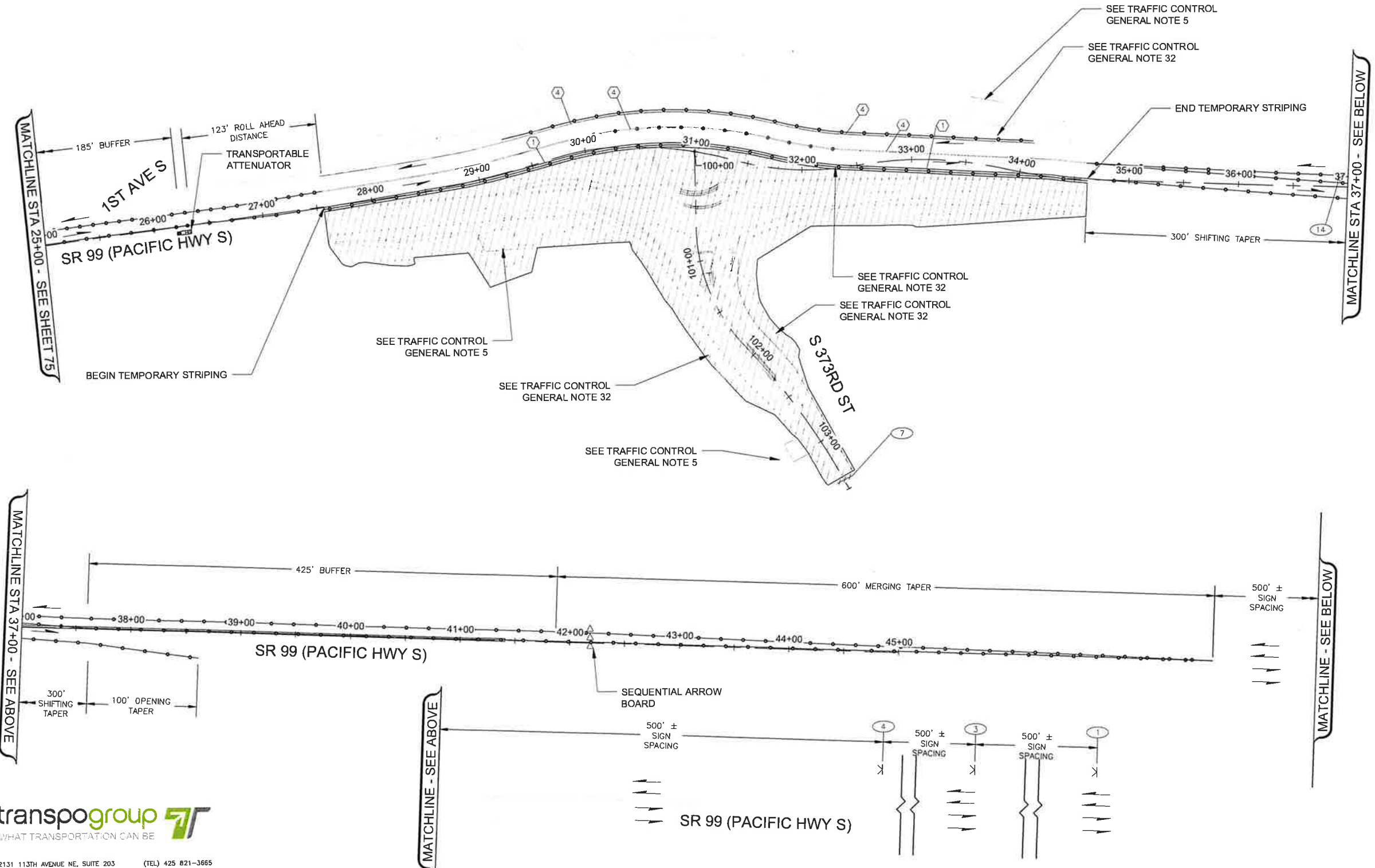
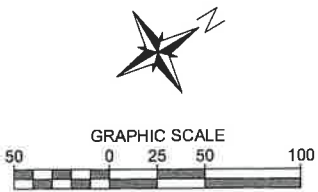


DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT		CITY PROJECT #:
TRAFFIC CONTROL PLAN - STAGE 3A		36224
		SHT. 73
		OF 93



LEGEND

DESCRIPTION	SYMBOL
RIGHT-OF-WAY	---
CONSTRUCTION NOTE	Ⓢ
SIGN NOTE	Ⓢ
CHANNELIZATION DEVICE (HIGH VISIBILITY)	—●—
FLEXIBLE GUIDE POST	•
TEMPORARY SIGN	K
SEQUENTIAL ARROW PANEL	◀▶▶
TYPE III BARRICADE	⚡
DIRECTION OF TRAVEL	→
TRANSPORTABLE ATTENUATOR	▬
WORK AREA	▨

NOTES:

- SEE SHEET SHEET 68 FOR GENERAL NOTES, TABLES, AND LEGEND.
 - SEE SHEET 80 FOR DETOUR PLAN.
 - SEE SHEET 69 FOR SPEED REDUCTION PLAN.
- CONSTRUCTION NOTES (THIS SHEET ONLY)**
- ① INSTALL TEMPORARY WHITE EDGE LINE PER WSDOT STANDARD PLAN M-20.10-04.
 - ④ PROTECT AND MAINTAIN EXISTING TEMPORARY STRIPING FROM TRAFFIC CONTROL PLAN - STAGE 3A ON SHEET 72.
- SIGN LEGEND (THIS SHEET ONLY)**

①
W20-1

③
W20-5L

④
W4-2L

⑦
R11-2

⑭
R4-7B
24" X 30"
B/W

transpogroup
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203 (TEL) 425 821-3655
KIRKLAND, WASHINGTON 98034 (FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV

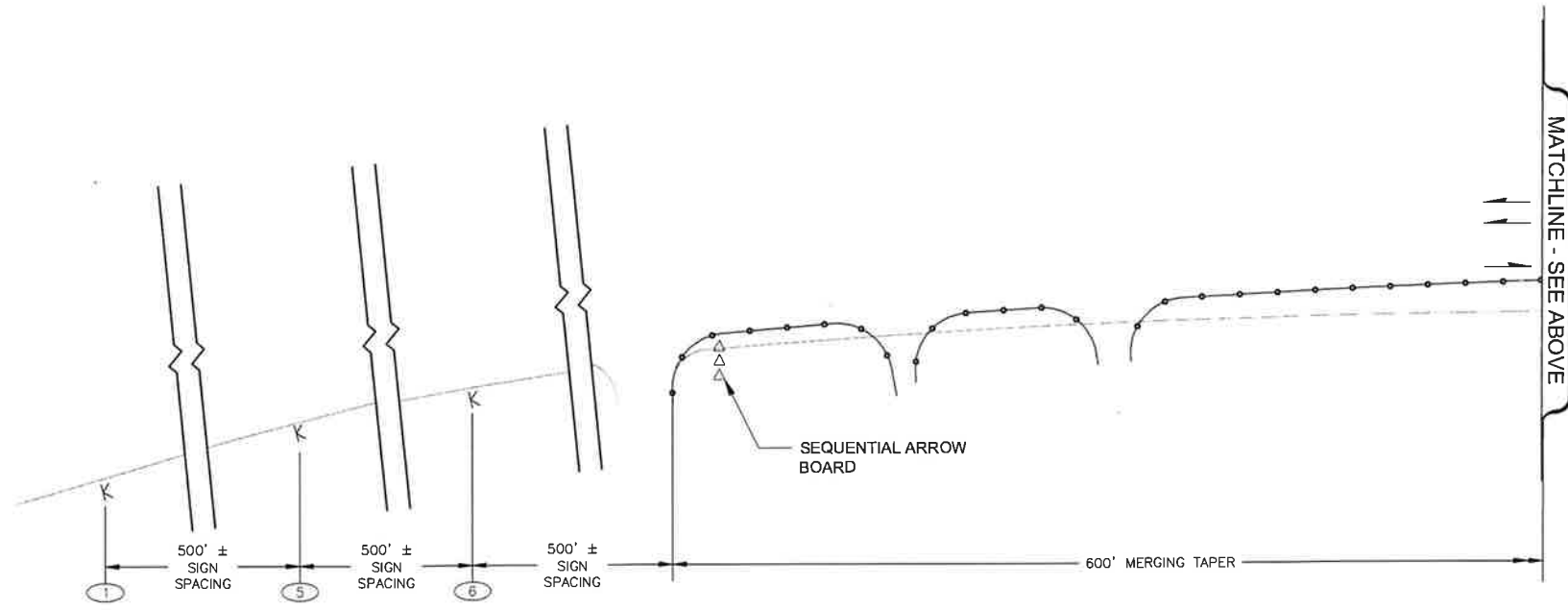
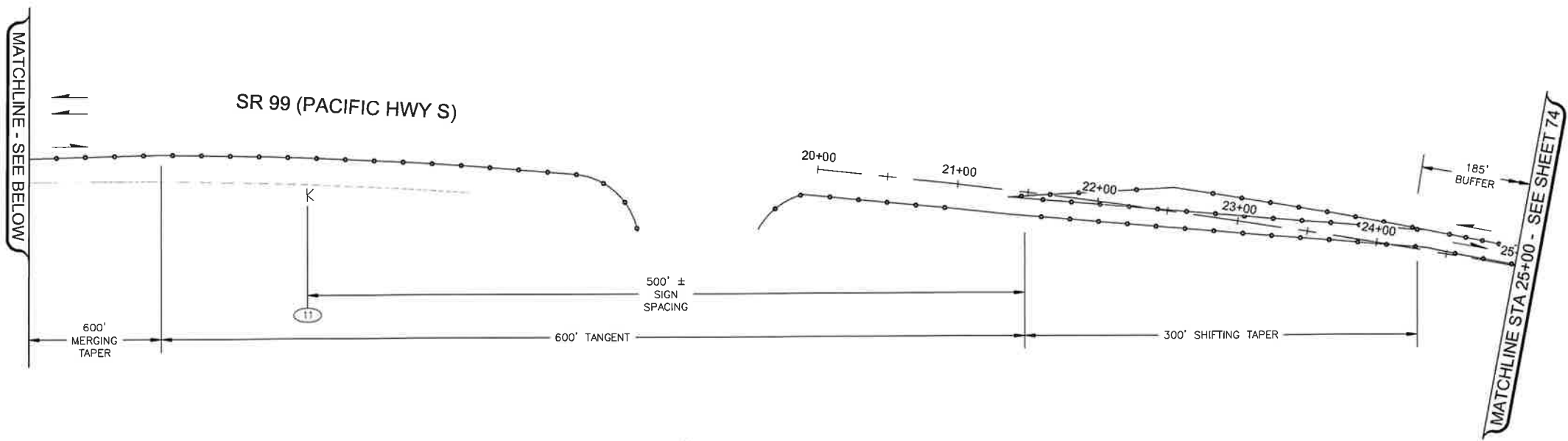


DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT		CITY PROJECT #:
TRAFFIC CONTROL PLAN - STAGE 3B		36224
		SHT. 74
		OF 93



LEGEND

DESCRIPTION	SYMBOL
RIGHT-OF-WAY	---
CONSTRUCTION NOTE	#
SIGN NOTE	#
CHANNELIZATION DEVICE (HIGH VISIBILITY)	—●—●—●—
TEMPORARY SIGN	K
SEQUENTIAL ARROW PANEL	<<<
TYPE III BARRICADE	+++
DIRECTION OF TRAVEL	→
TRANSPORTABLE ATTENUATOR	▬▬▬
WORK AREA	▨

NOTES:

- SEE SHEET SHEET 68 FOR GENERAL NOTES, TABLES, AND LEGEND.
- SEE SHEET 80 FOR DETOUR PLAN.
- SEE SHEET 69 FOR SPEED REDUCTION PLAN.

SIGN LEGEND (THIS SHEET ONLY)



1
W20-1



5
W20-5R



6
W4-2R



11
W1-4L

transpogroup **7**
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203 (TEL) 425 821-3665
KIRKLAND, WASHINGTON 98034 (FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:

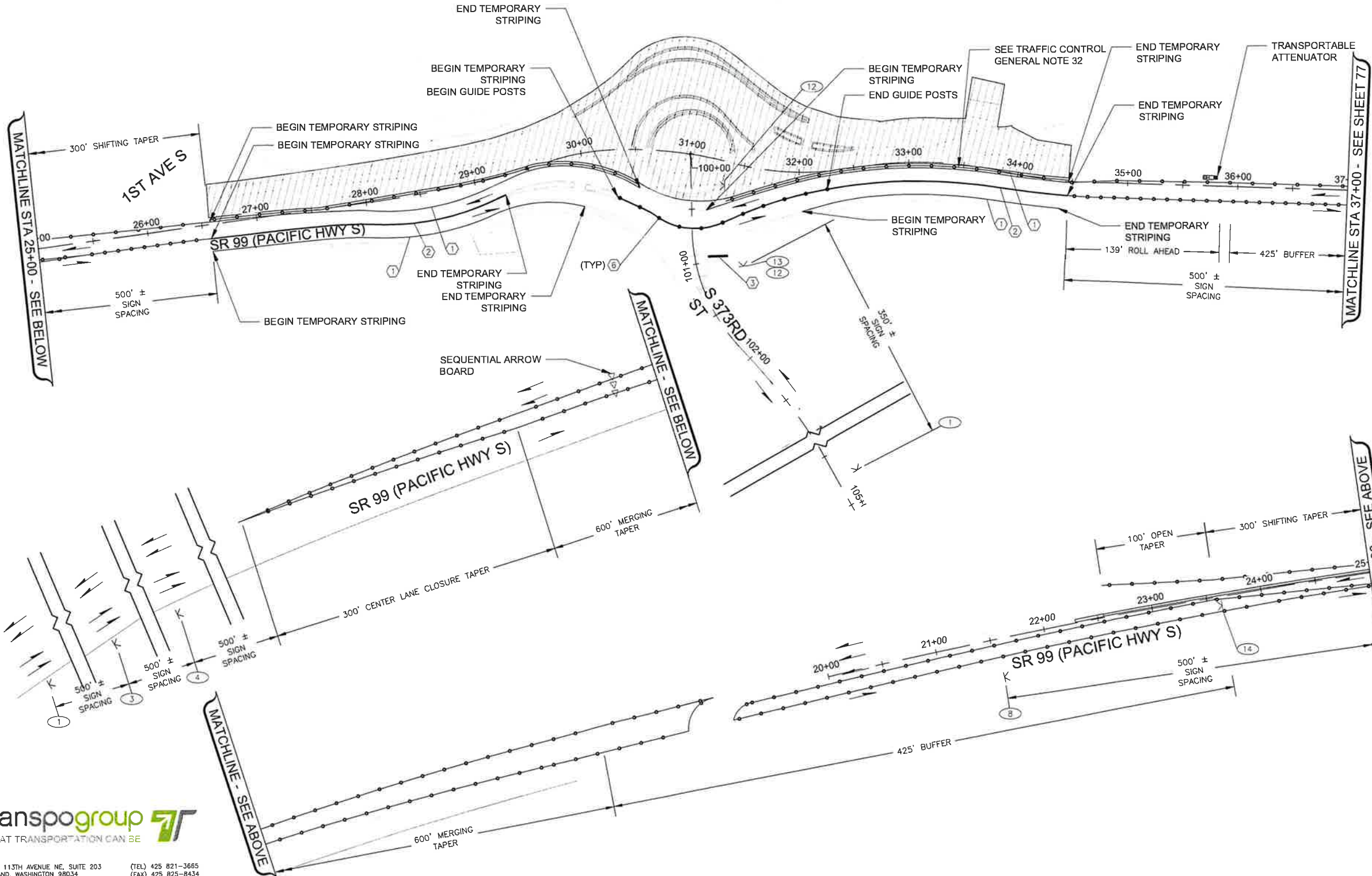


DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT
TRAFFIC CONTROL PLAN - STAGE 3B

BID SUBMITTAL

CITY PROJECT #:
36224
SHT. 75
OF 93



LEGEND

DESCRIPTION	SYMBOL
RIGHT-OF-WAY	---
CONSTRUCTION NOTE	#
SIGN NOTE	#
CHANNELIZATION DEVICE (HIGH VISIBILITY)	—•—•—•—
FLEXIBLE GUIDE POST	•
TEMPORARY SIGN	K
SEQUENTIAL ARROW PANEL	<<<
TYPE III BARRICADE	***
DIRECTION OF TRAVEL	→
TRANSPORTABLE ATTENUATOR	▬▬▬
WORK AREA	▨

NOTES:

- SEE SHEET SHEET 68 FOR GENERAL NOTES, TABLES, AND LEGEND.
- SEE SHEET 69 FOR SPEED REDUCTION PLAN.

- CONSTRUCTION NOTES (THIS SHEET ONLY)**
- ① INSTALL TEMPORARY WHITE EDGE LINE PER WSDOT STANDARD PLAN M-20.10-04.
 - ② INSTALL TEMPORARY DOUBLE YELLOW CENTER LINE PER WSDOT STANDARD PLAN M-20.10-04.
 - ③ INSTALL TEMPORARY STOP BAR PER WSDOT STANDARD PLAN M-24.60-04.
 - ⑥ INSTALL SURFACE MOUNT FLEXIBLE GUIDE POST AT 5-FOOT SPACING PER WSDOT STANDARD PLAN M-40.10-04.
- SIGN LEGEND (THIS SHEET ONLY)**

① W20-1	③ W20-5L	④ W4-2L
⑧ W24-1R	⑫ R3-2 30" X 30" R/W	⑬ R1-1 36" X 36" R/W
⑭ R4-7B 24" X 30" B/W		

BID SUBMITTAL

transpogroup **7T**
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



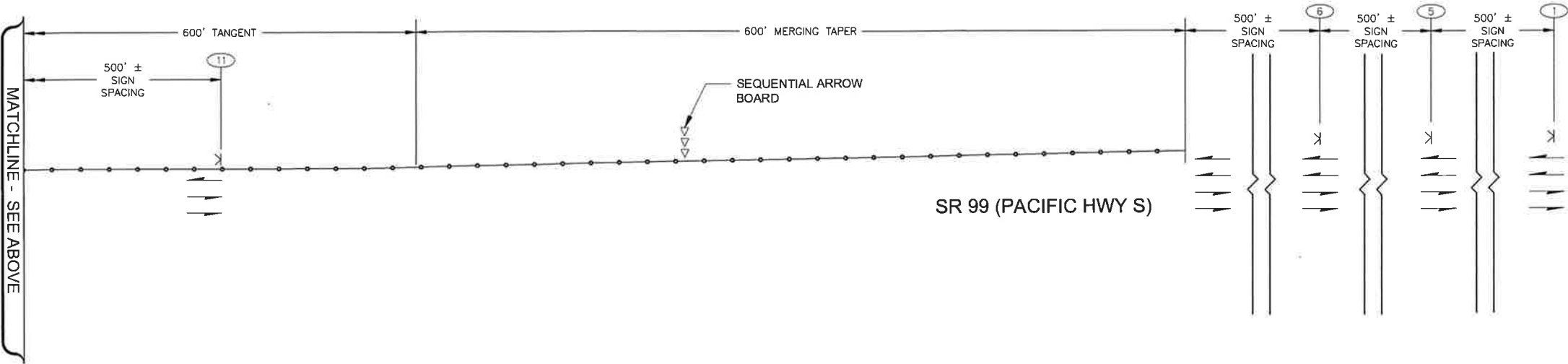
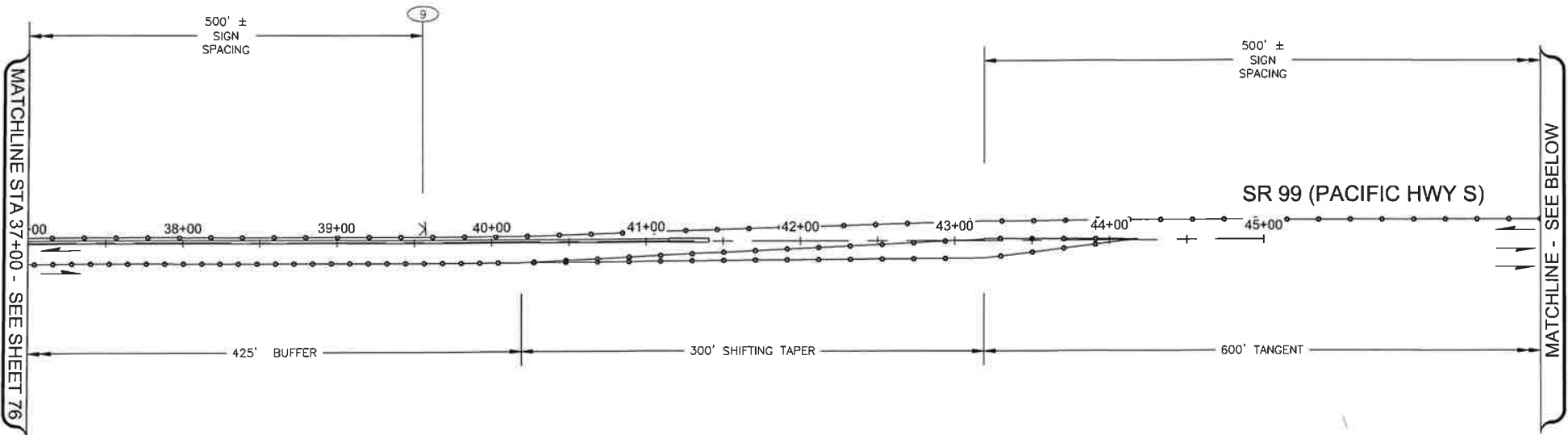
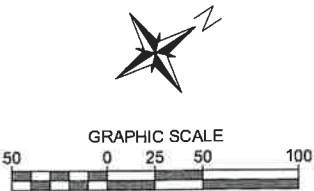
DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT
TRAFFIC CONTROL PLAN - STAGE 4

CITY PROJECT #:
36224
SHT. **76**
OF **93**



LEGEND	
DESCRIPTION	SYMBOL
RIGHT-OF-WAY	---
CONSTRUCTION NOTE	(#)
SIGN NOTE	(#)
CHANNELIZATION DEVICE (HIGH VISIBILITY)	—●—●—●—●—
TEMPORARY SIGN	K
SEQUENTIAL ARROW PANEL	<<<>
TYPE III BARRICADE	+++
DIRECTION OF TRAVEL	→
TRANSPORTABLE ATTENUATOR	▬▬▬
WORK AREA	▨

- NOTES:
- SEE SHEET SHEET 68 FOR GENERAL NOTES, TABLES, AND LEGEND.
 - SEE SHEET 69 FOR SPEED REDUCTION PLAN.

SIGN LEGEND (THIS SHEET ONLY)

(1)	(5)	(6)
W20-1	W20-5R	W4-2R
(9)	(11)	
W24-1L	W1-4L	



12131 113TH AVENUE NE, SUITE 203 (TEL) 425 821-3665
KIRKLAND, WASHINGTON 98034 (FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:

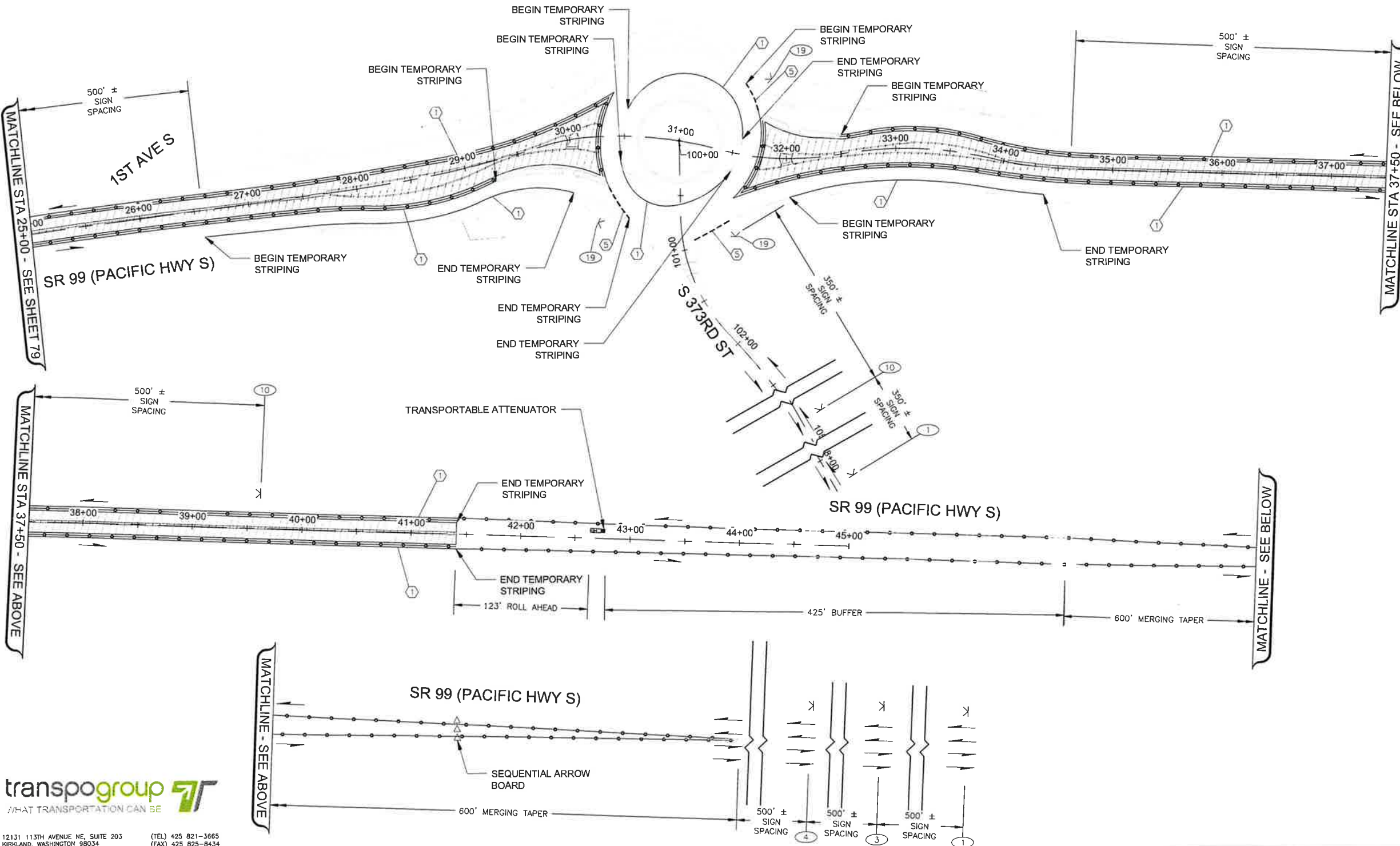
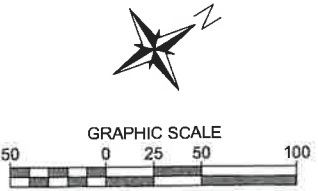


DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT
TRAFFIC CONTROL PLAN - STAGE 4

BID SUBMITTAL

CITY PROJECT #: 36224
SHT. 77
OF 93



LEGEND	
DESCRIPTION	SYMBOL
RIGHT-OF-WAY	---
CONSTRUCTION NOTE	#
SIGN NOTE	#
CHANNELIZATION DEVICE (HIGH VISIBILITY)	—•—•—•—
TEMPORARY SIGN	K
SEQUENTIAL ARROW PANEL	<<<<
TYPE III BARRICADE	+++
DIRECTION OF TRAVEL	→
TRANSPORTABLE ATTENUATOR	■ ■ ■ ■
WORK AREA	▨ ▨ ▨ ▨

- NOTES:
- SEE SHEET SHEET 68 FOR GENERAL NOTES, TABLES, AND LEGEND.
 - SEE SHEET 69 FOR SPEED REDUCTION PLAN.
- CONSTRUCTION NOTES (THIS SHEET ONLY)

- ① INSTALL TEMPORARY WHITE EDGE LINE PER WSDOT STANDARD PLAN M-20.10-04.
- ⑤ INSTALL TEMPORARY WIDE DOTTED ENTRY LINE PER WSDOT STANDARD PLAN M-20.10-04.

SIGN LEGEND (THIS SHEET ONLY)

① W20-1	③ W20-5L	④ W4-2L
⑩ W23-2	①⑨ R1-2 36" X 36" R/W	

transpogroup **7T**
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV

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

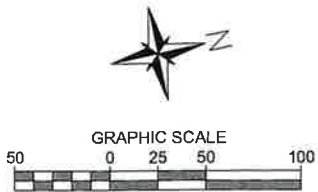
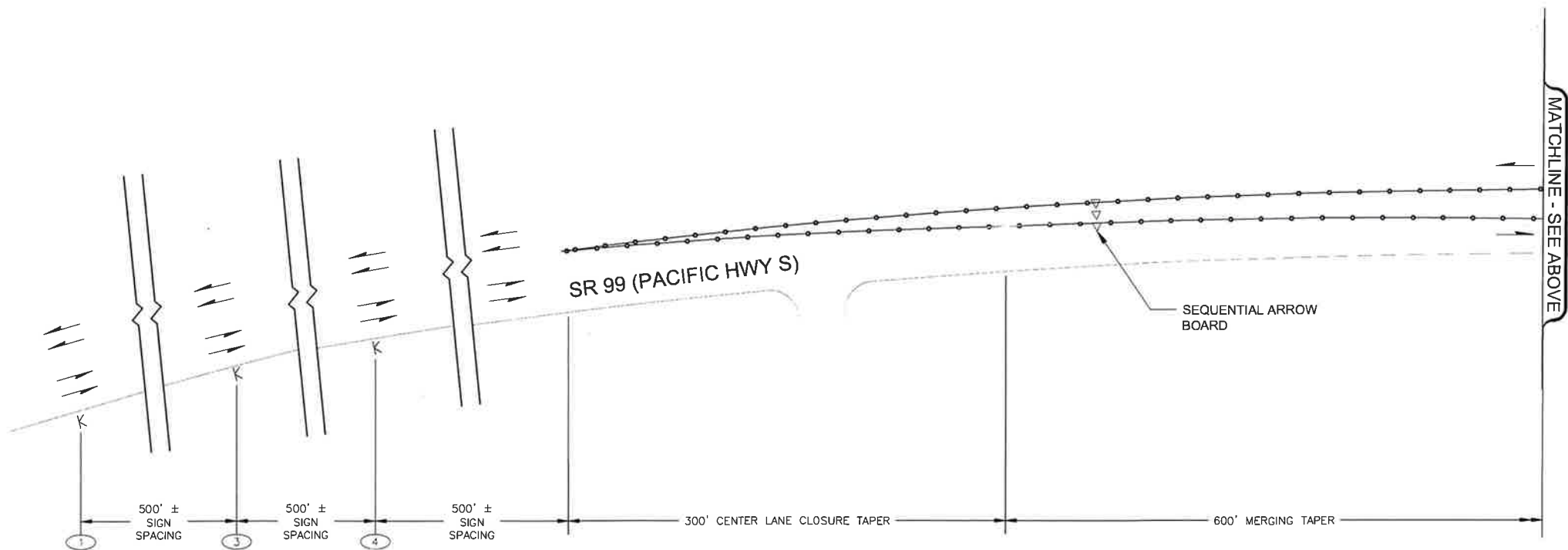
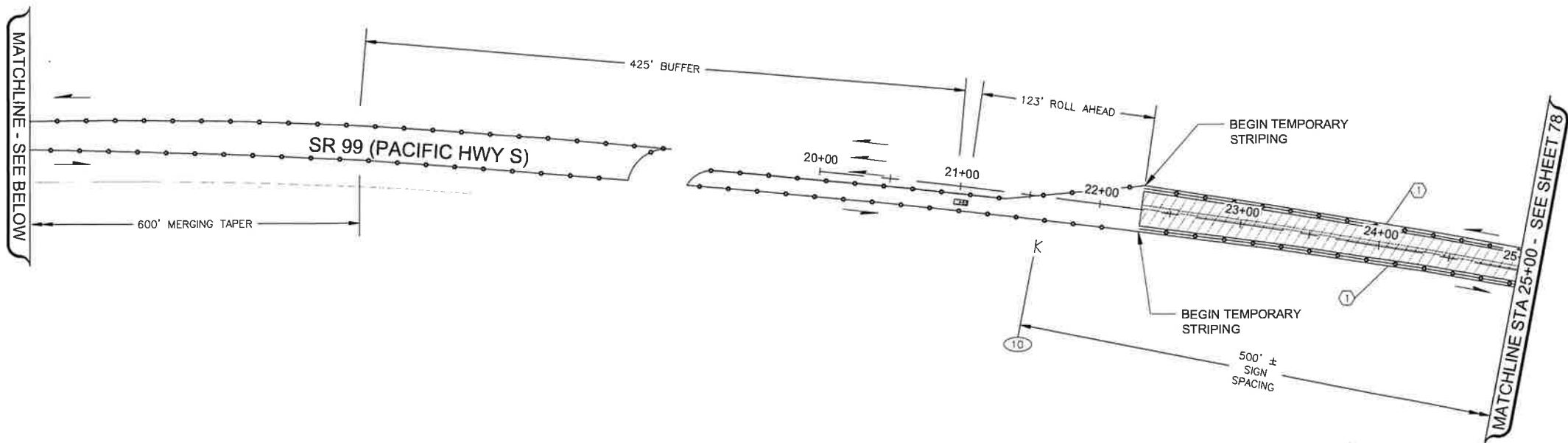
DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT	CITY PROJECT #: 36224
TRAFFIC CONTROL PLAN - STAGE 5	SHT. 78 OF 93

SEC. 32, T. 21 N., R. 04 E., W.M.



LEGEND

DESCRIPTION	SYMBOL
RIGHT-OF-WAY	---
CONSTRUCTION NOTE	Ⓢ
SIGN NOTE	Ⓢ
CHANNELIZATION DEVICE (HIGH VISIBILITY)	—●—●—●—
TEMPORARY SIGN	K
SEQUENTIAL ARROW PANEL	◁◁◁
TYPE III BARRICADE	+++
DIRECTION OF TRAVEL	→
TRANSPORTABLE ATTENUATOR	▬▬▬
WORK AREA	▨

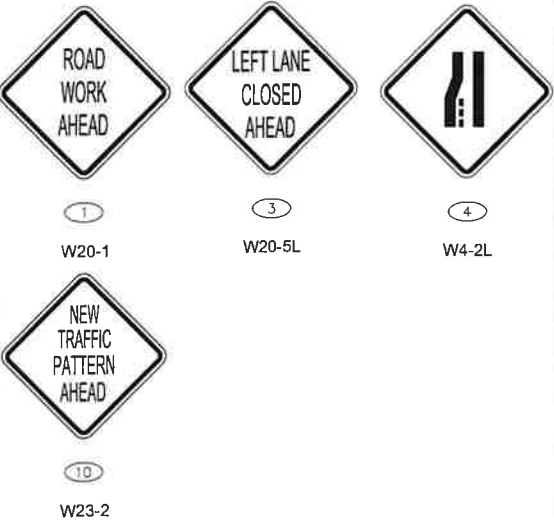
NOTES:

- SEE SHEET SHEET 68 FOR GENERAL NOTES, TABLES, AND LEGEND.
- SEE SHEET 69 FOR SPEED REDUCTION PLAN.

CONSTRUCTION NOTES (THIS SHEET ONLY)

- ① INSTALL TEMPORARY WHITE EDGE LINE PER WSDOT STANDARD PLAN M-20.10-04.

SIGN LEGEND (THIS SHEET ONLY)



transpogroup **7T**
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: BMK
APPROVED:

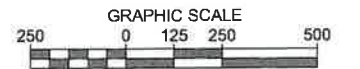


DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT
TRAFFIC CONTROL PLAN - STAGE 5

BID SUBMITTAL

CITY PROJECT #: 36224
SHT. 79
OF 93

[illegible]

DESCRIPTION

SYMBOL

 $\angle$ $\leftarrow -$ 

1. SEE SHEET SHEET 68 FOR GENERAL NOTES, SIGN SCHEDULE, AND LEGEND.
2. SEE SHEET 74 AND 75 FOR STAGE 3B TRAFFIC CONTROL PLAN.
2. SEE SHEET 69 FOR SPEED REDUCTION PLAN.

END
DETOUR

M4-8A

①



M4-9(MOD)

2



M4-9L

3



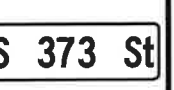
M4-9R

4



W20-3

5



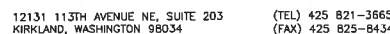
4-4 (MOD)

6

R11-4 (MOD)
B/W

7

BID SUBMITTAL



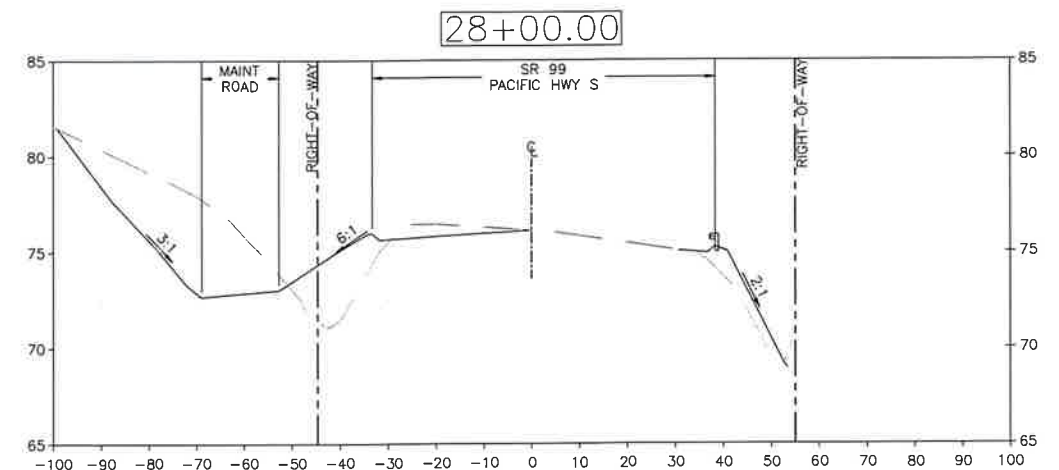
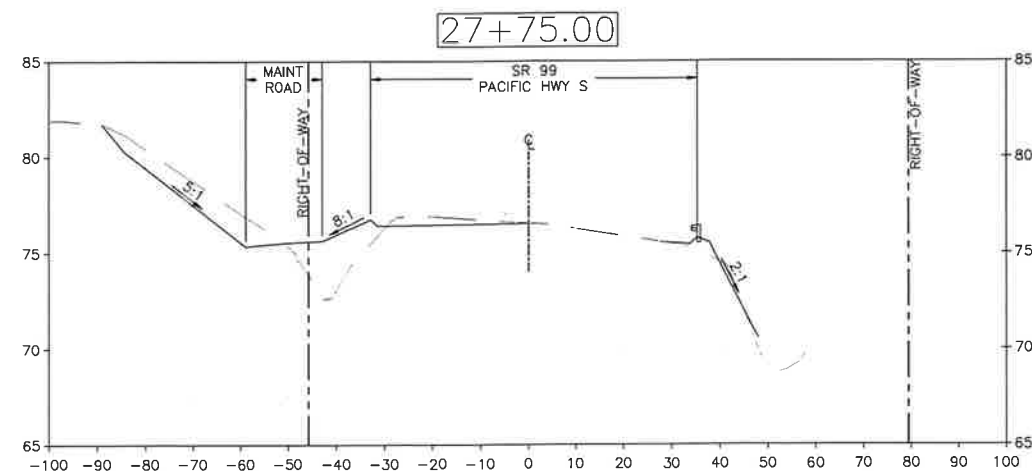
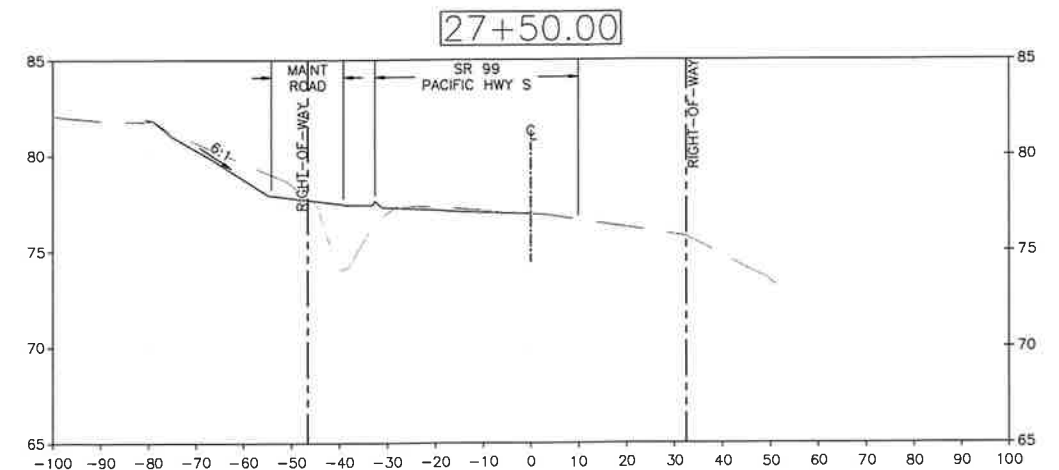
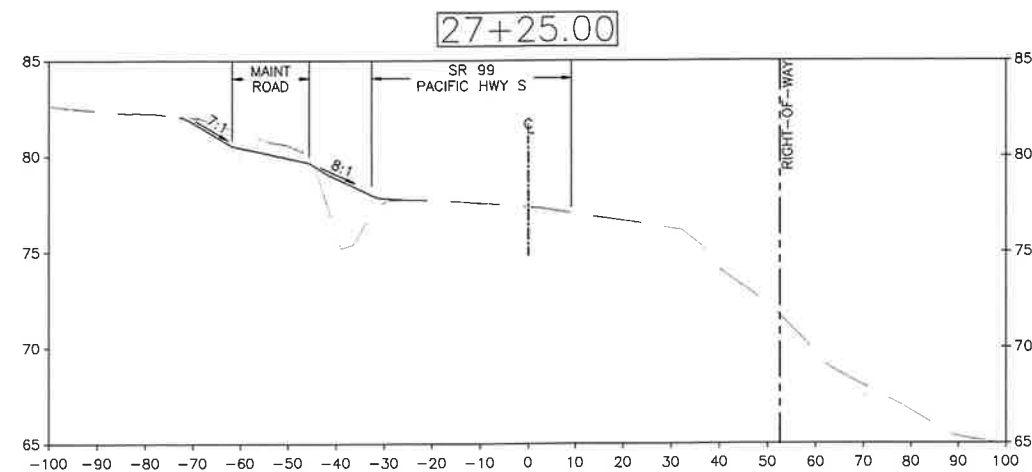
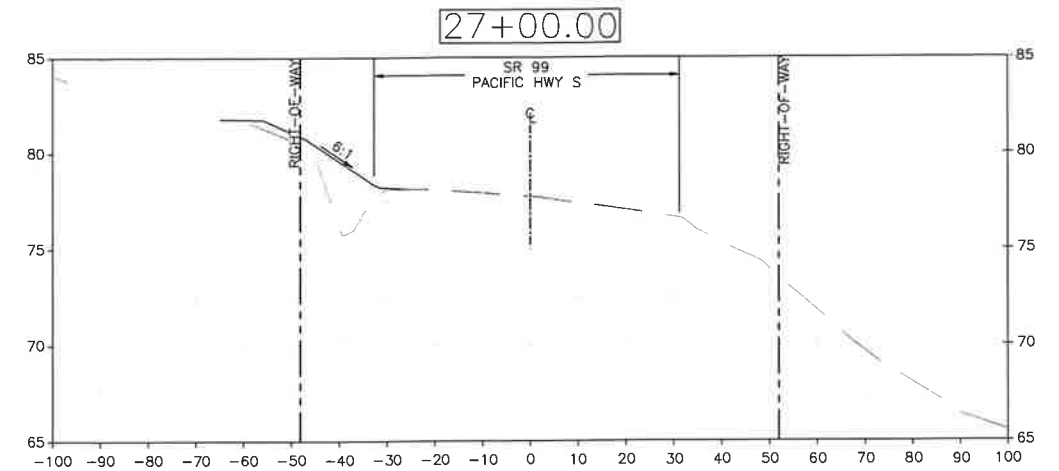
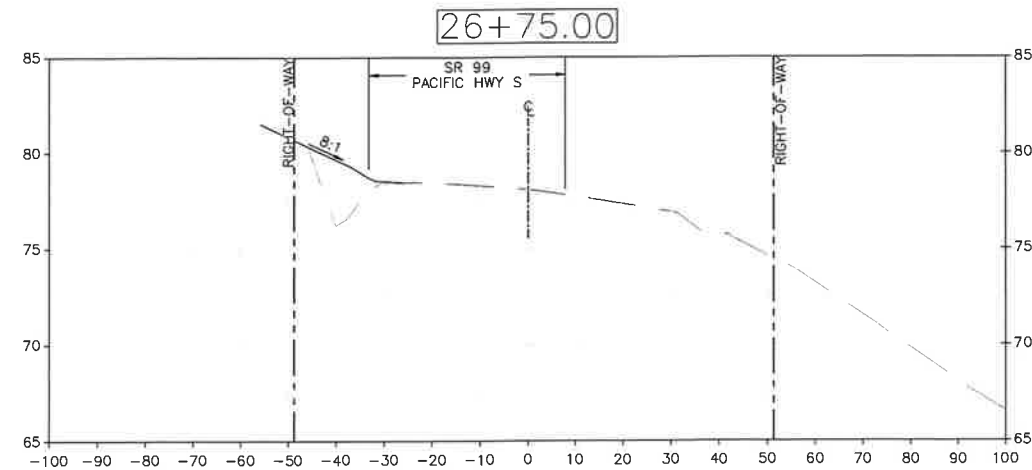
DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

DETOUR PLAN - STAGE 3B

CITY PROJECT #:
36224

SHT. 80
OF 93

UNOFFICIAL COPY Official bid documents, plan holder's list, and addenda (if applicable)



transpogroup **7F**
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV

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

DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

SECTION VIEW - SR99 (S LEG)

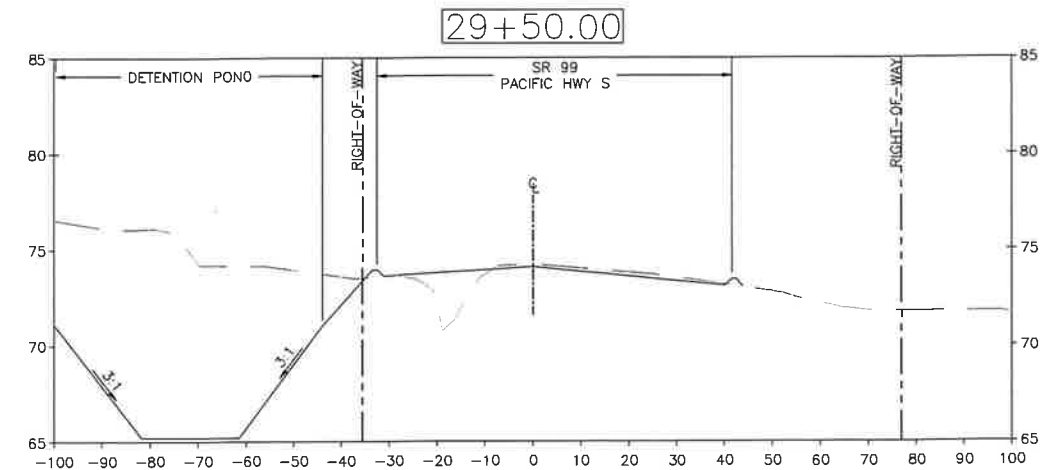
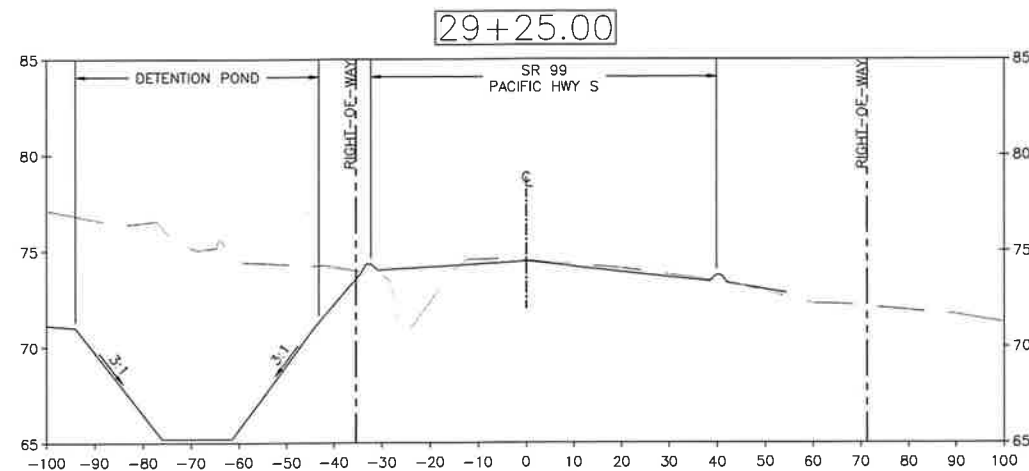
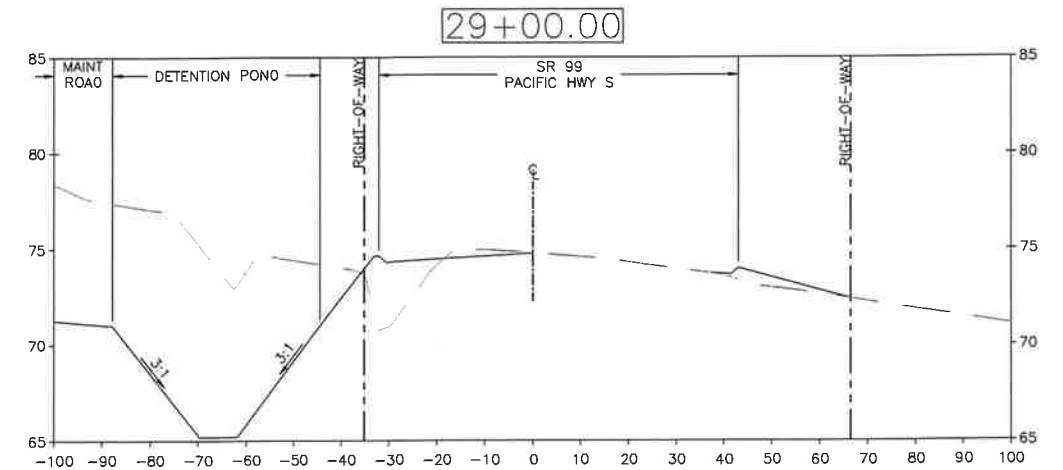
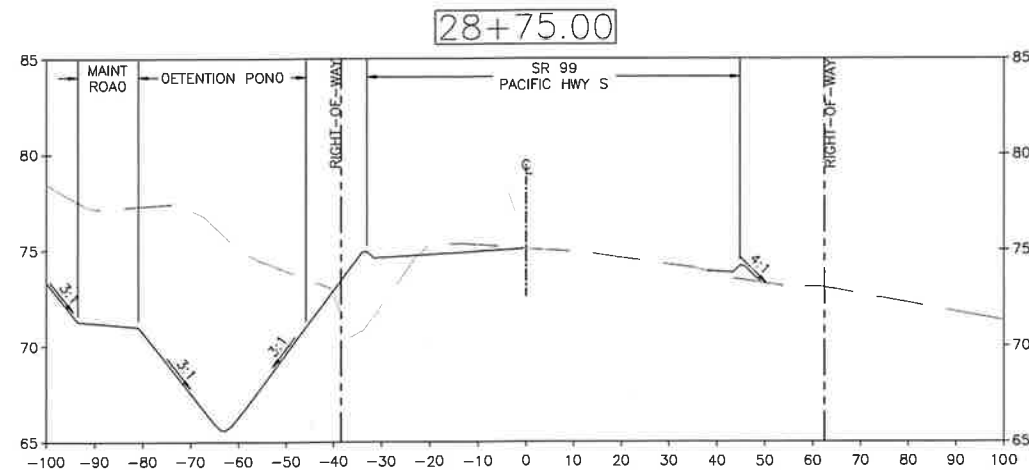
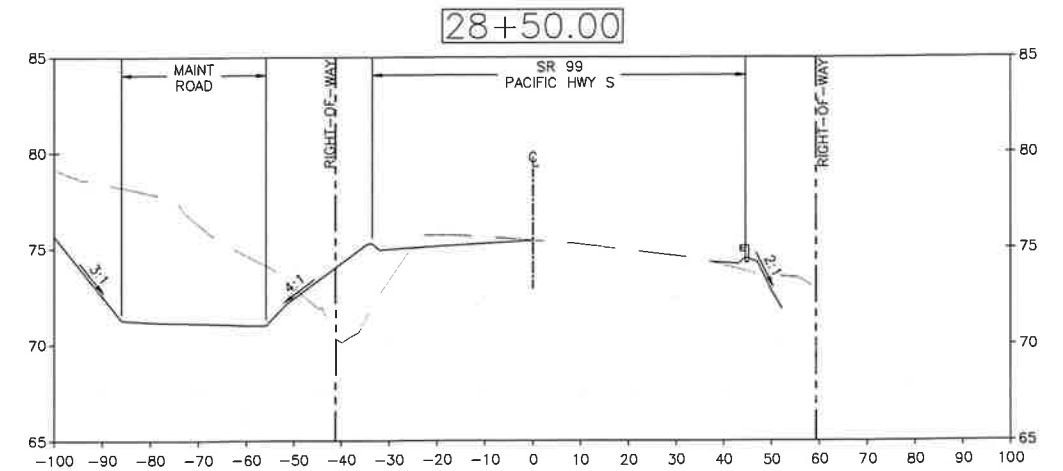
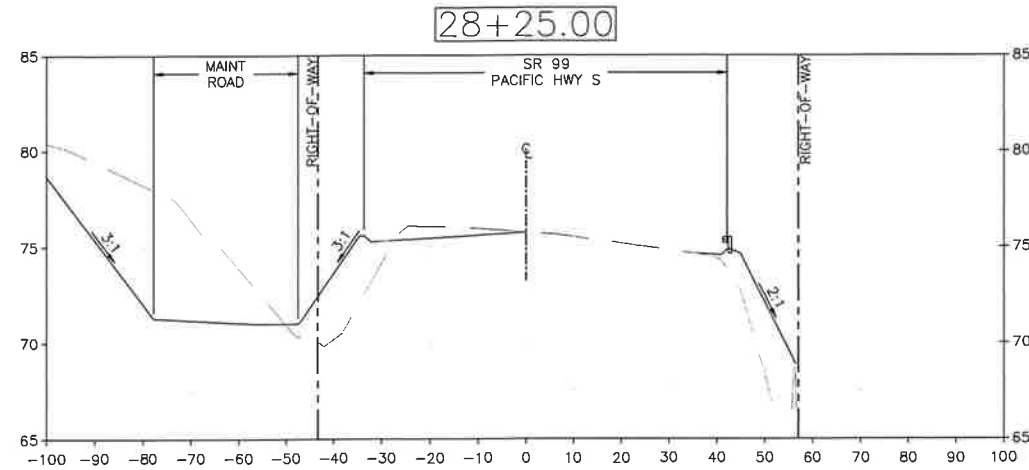
BID SUBMITTAL

CITY PROJECT #:
36224

SHT. **81**
OF **93**

UNOFFICIAL COPY Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com

UNOFFICIAL COPY Official bid documents, plan holder's list, and addenda (if applicable)



transpogroup **7F**
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

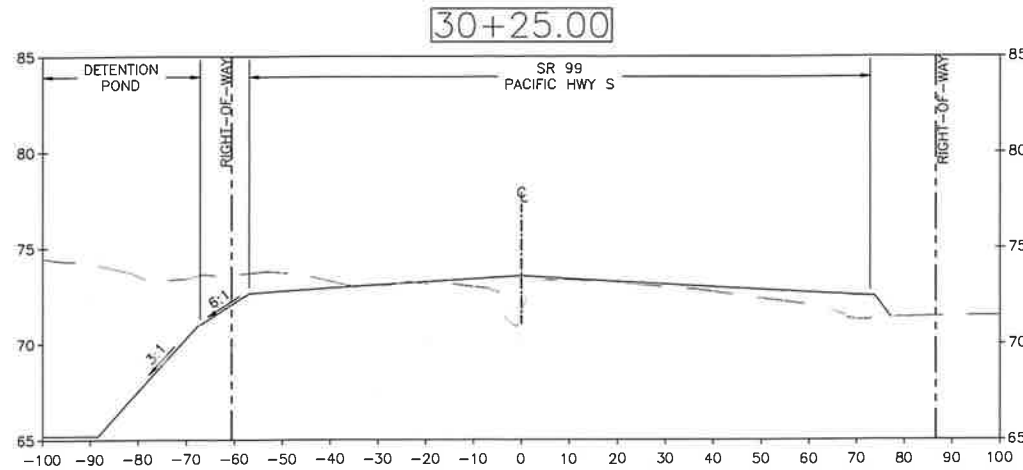
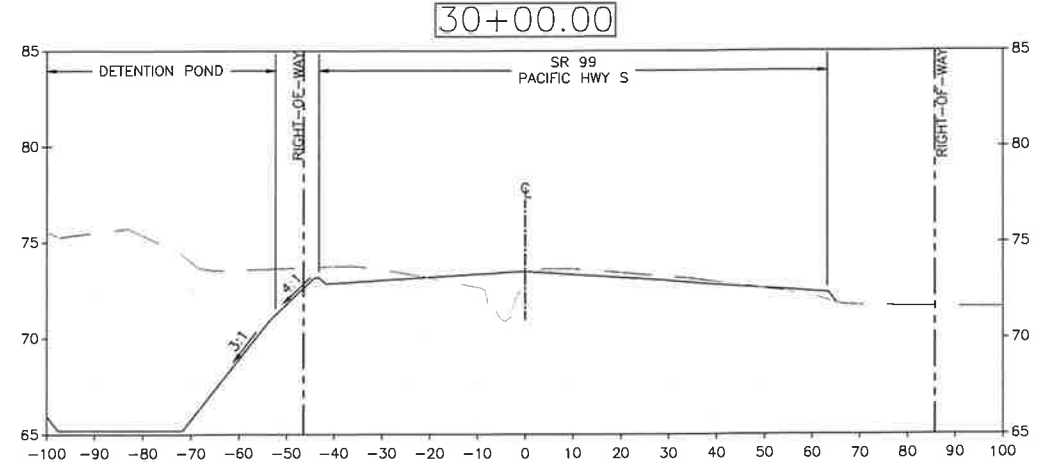
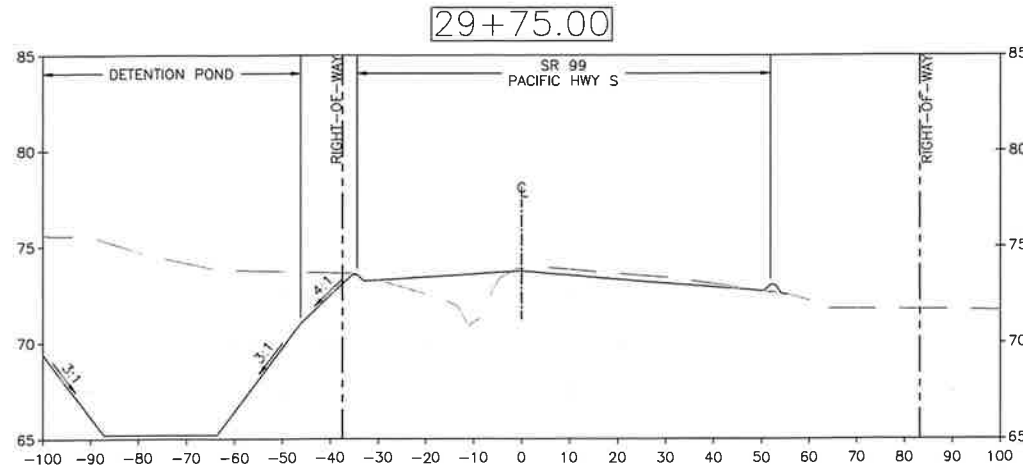
SR99 AT S 373RD ST ROUNDABOUT

SECTION VIEW - SR99 (S LEG)

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 82
OF 93



transpogroup **7T**
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203 (TEL) 425-821-3665
KIRKLAND, WASHINGTON 98034 (FAX) 425-825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

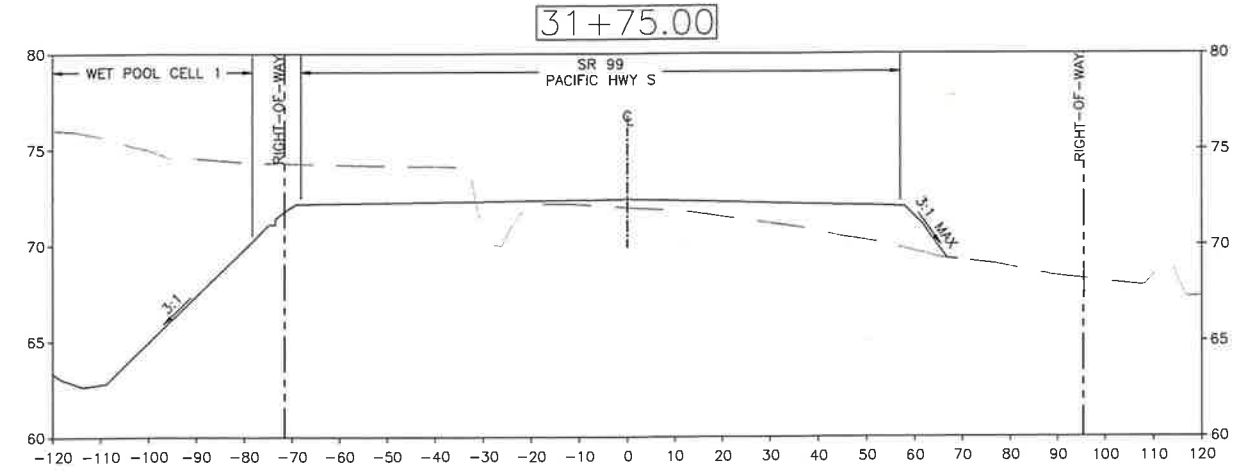
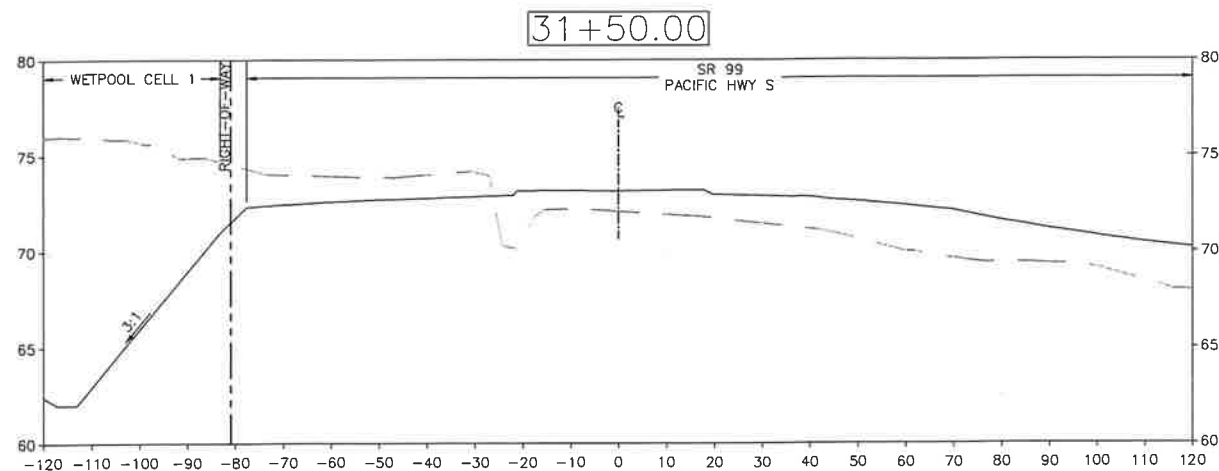
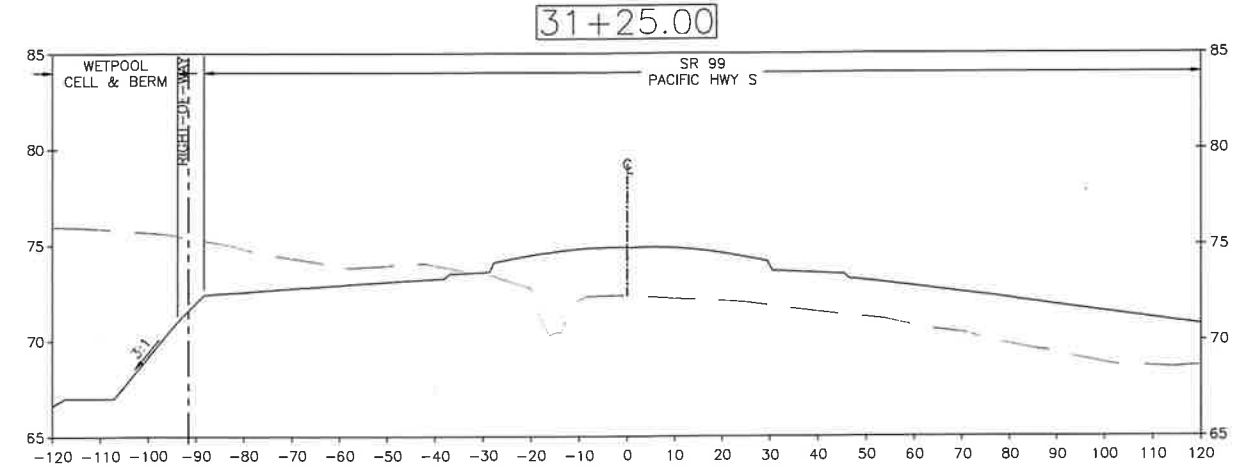
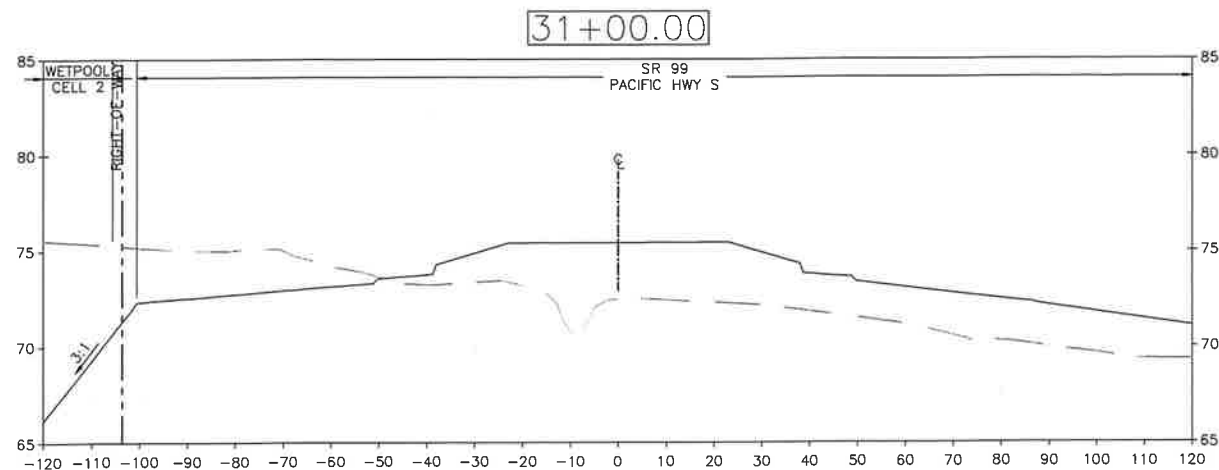
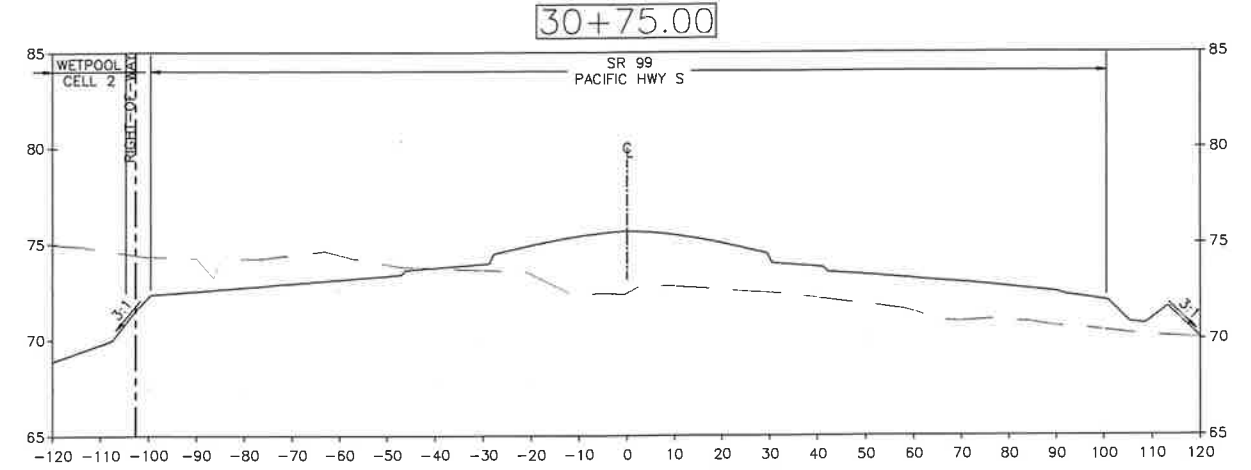
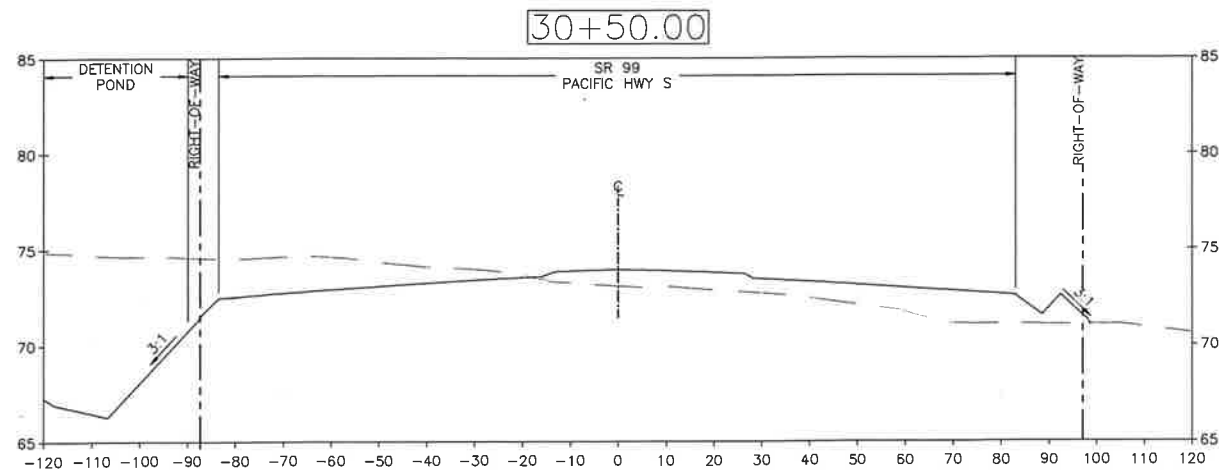
SECTION VIEW - SR99 (S LEG)

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 83
OF 93

\\nev-dfs-wa\Projects\2211_22060_00 - Federal Way SR 99 at S 373rd St\RA\Engineering\CAD\Plan Sheets\22060-CROSS-SECTIONS.dwg, 9/8/2026



transpogroup **7**
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203 (TEL) 425 821-3665
KIRKLAND, WASHINGTON 98034 (FAX) 425 825-8434

CITY OF
Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT
SECTION VIEW - SR99 (CENTER)

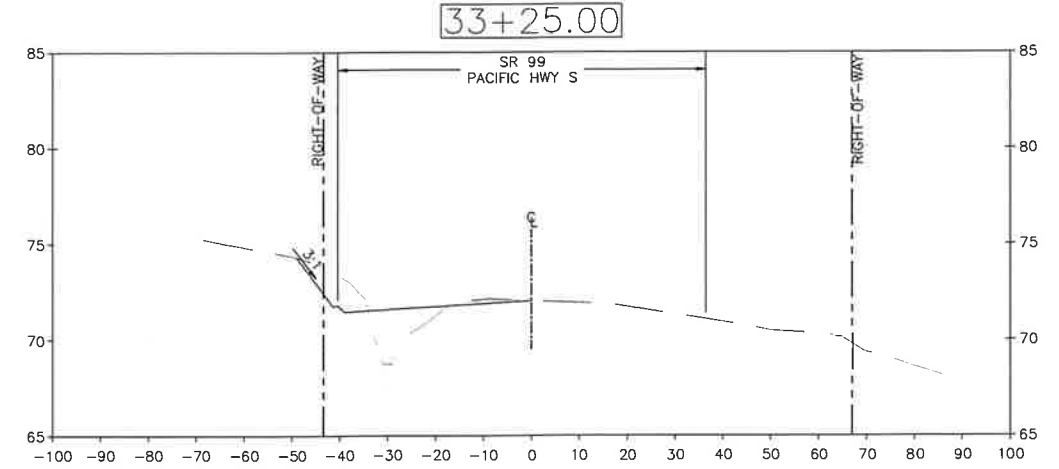
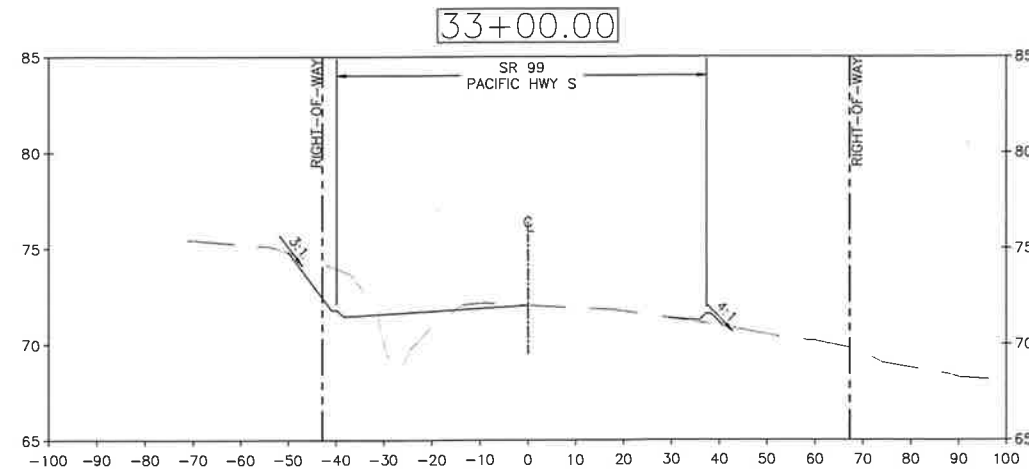
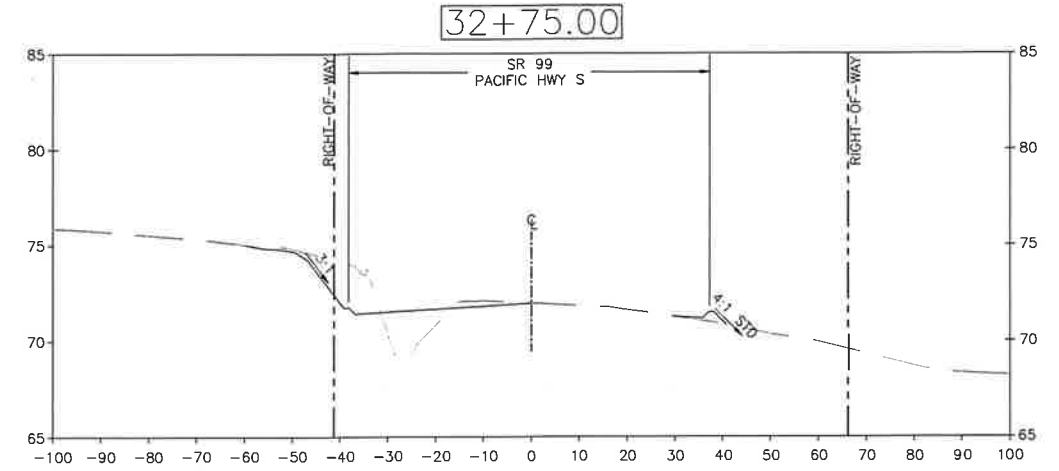
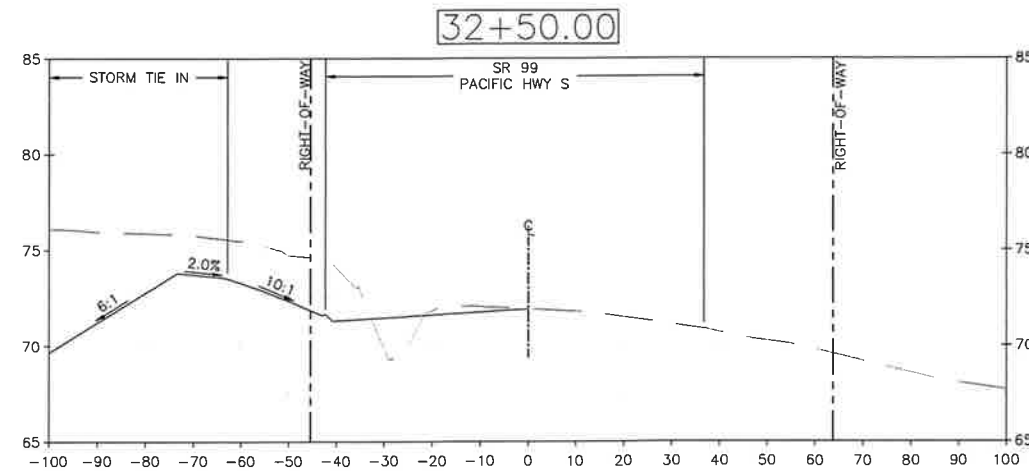
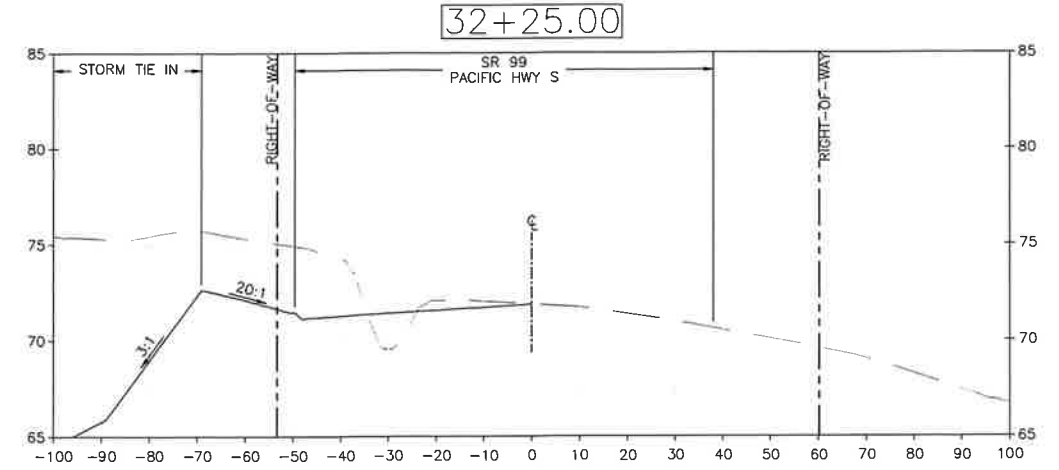
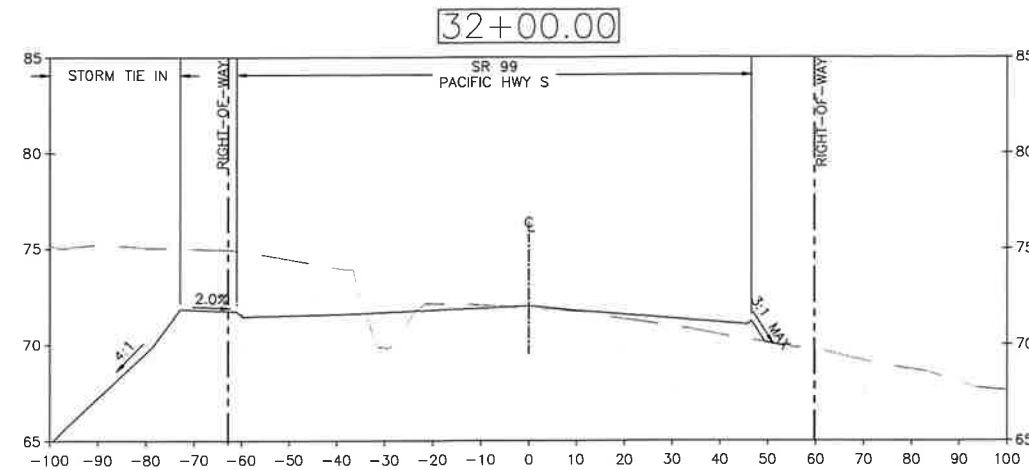
BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 84
OF 93

UNOFFICIAL COPY Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com

UNOFFICIAL COPY Official bid documents, plan holder's list, and addenda (if applicable)



transpogroup **7**
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203 (TEL) 425 821-3665
KIRKLAND, WASHINGTON 98034 (FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG

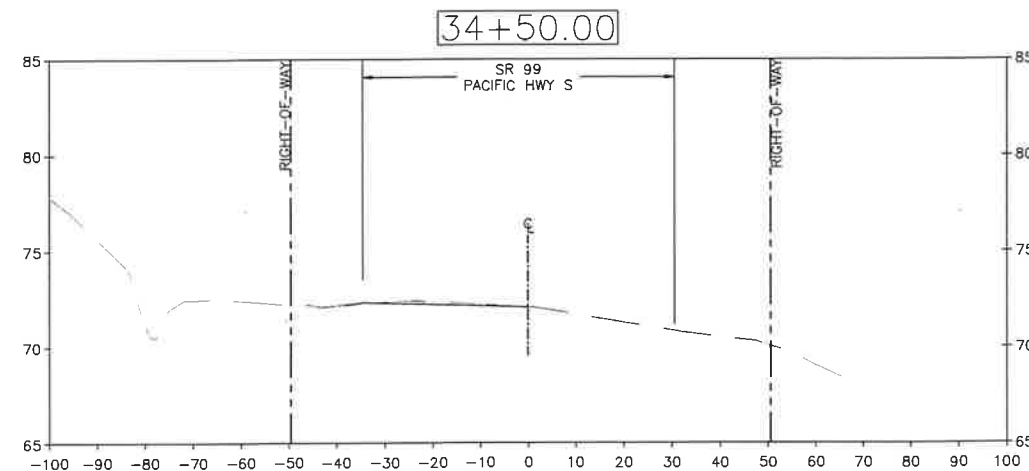
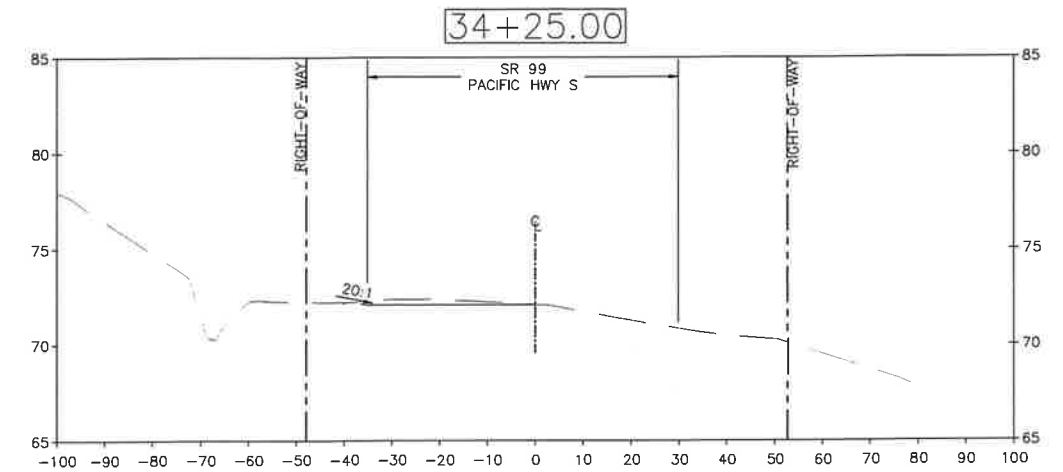
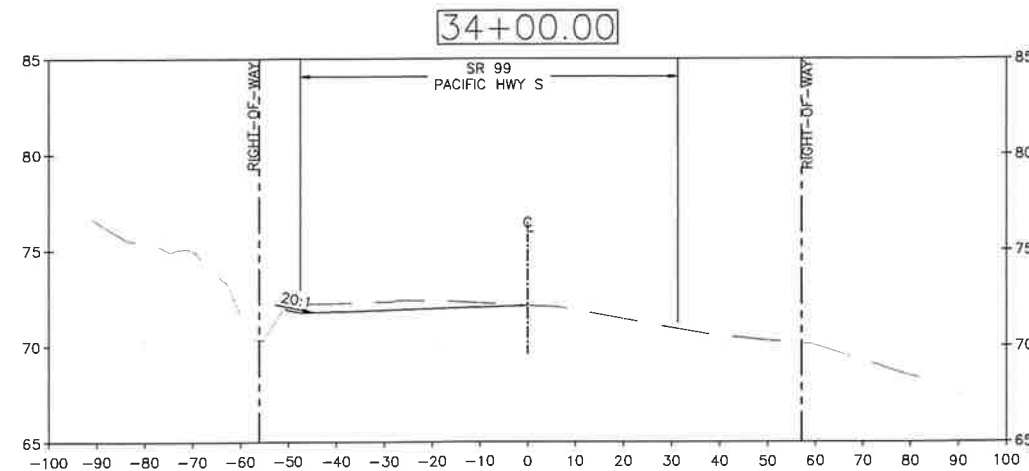
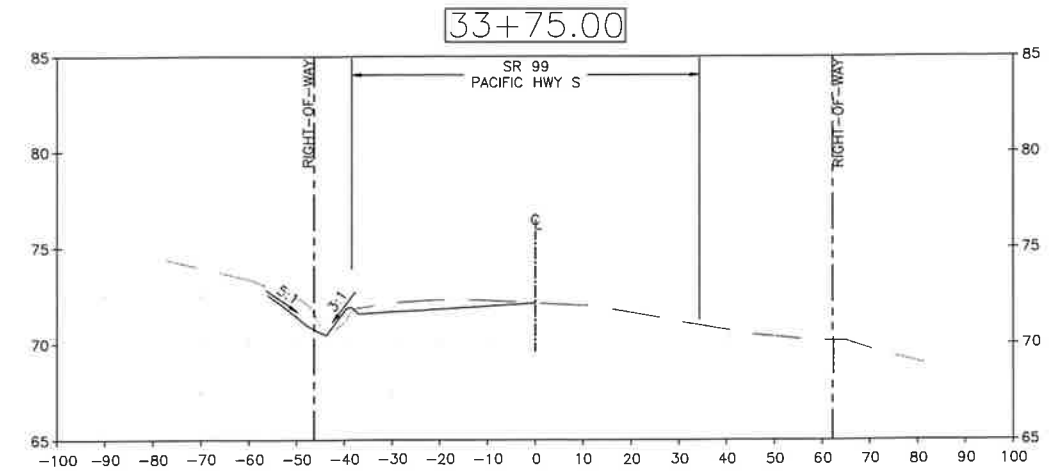
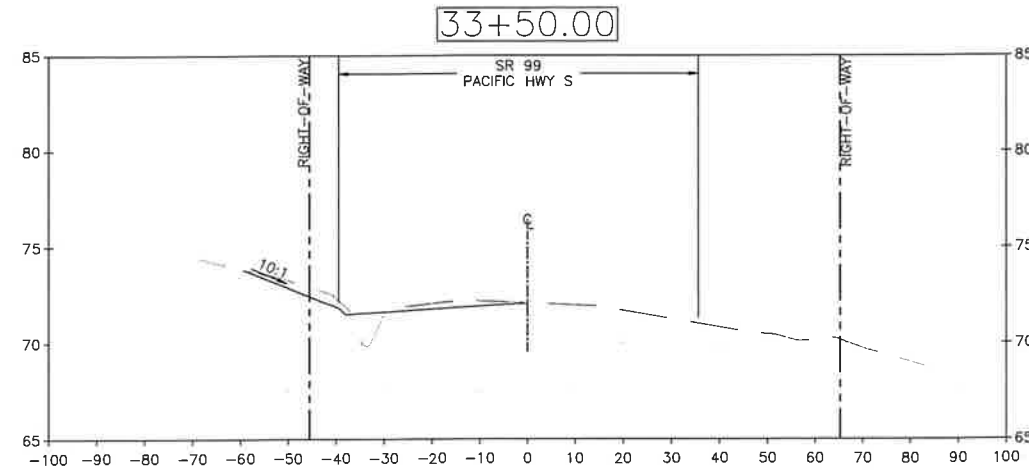
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT
SECTION VIEW - SR99 (N LEG)

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 85
OF 93



transpogroup 
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203 (TEL) 425 821-3665
KIRKLAND, WASHINGTON 98034 (FAX) 425 825-8434


CITY OF
Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV


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

DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

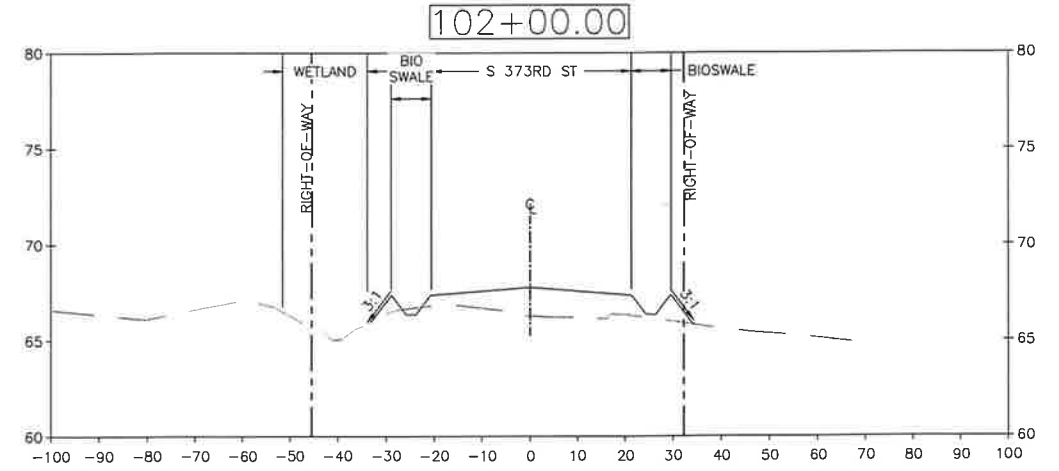
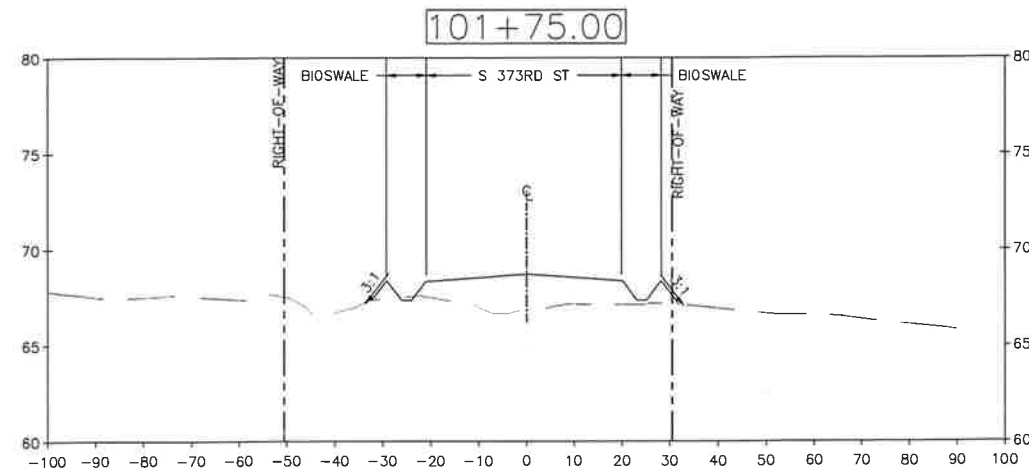
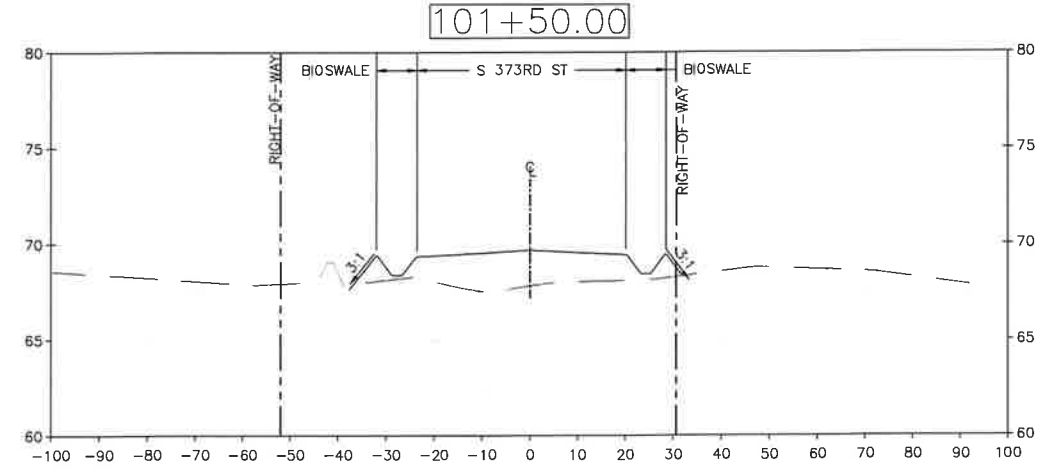
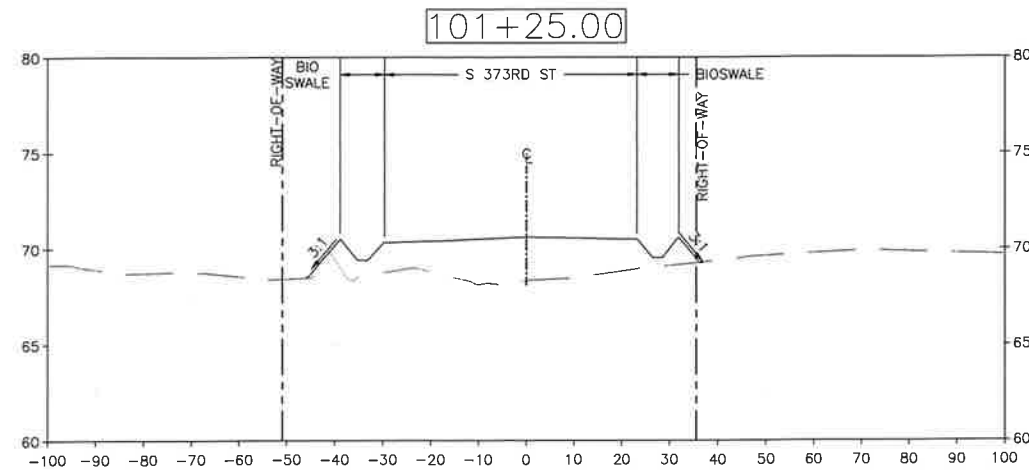
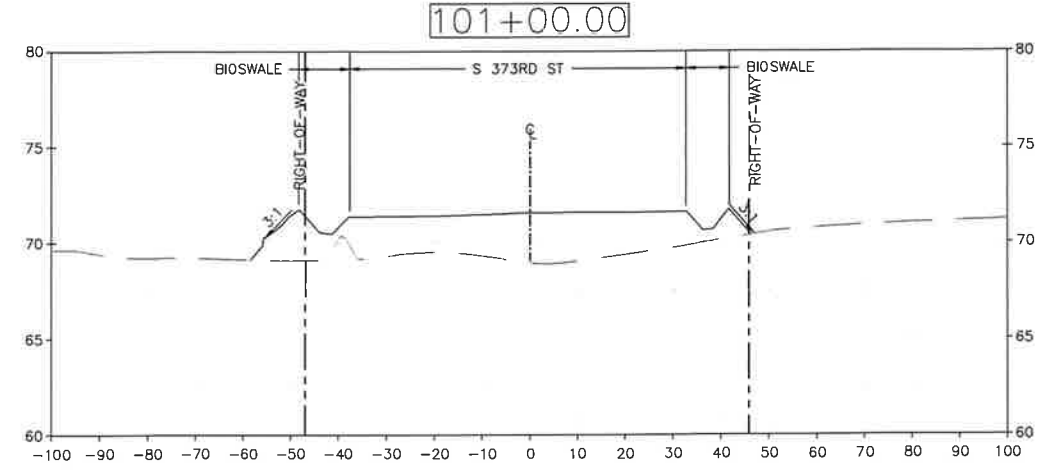
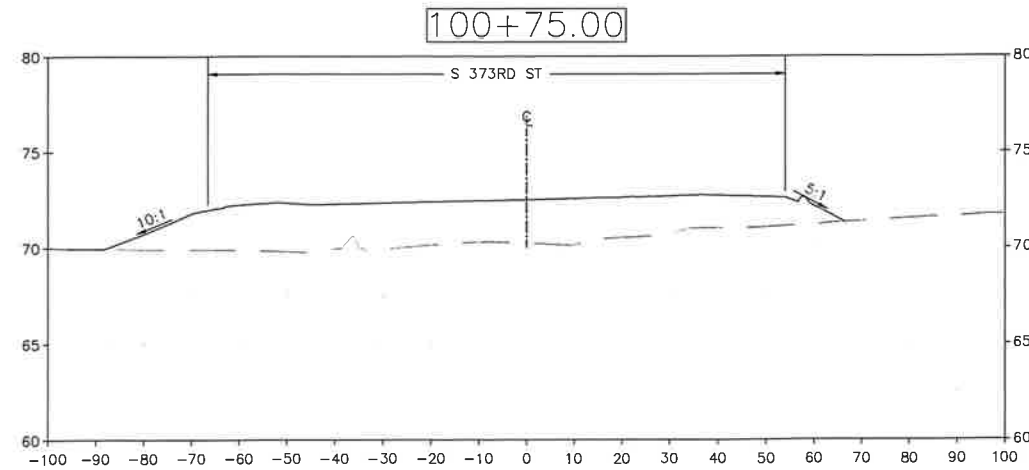
SR99 AT S 373RD ST ROUNDABOUT

SECTION VIEW - SR99 (N LEG)

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 86
OF 93



transpogroup **7F**
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

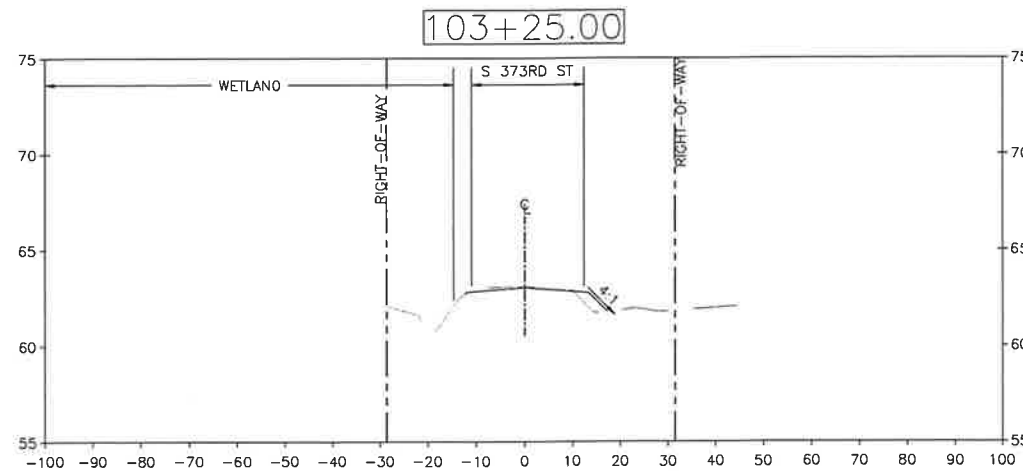
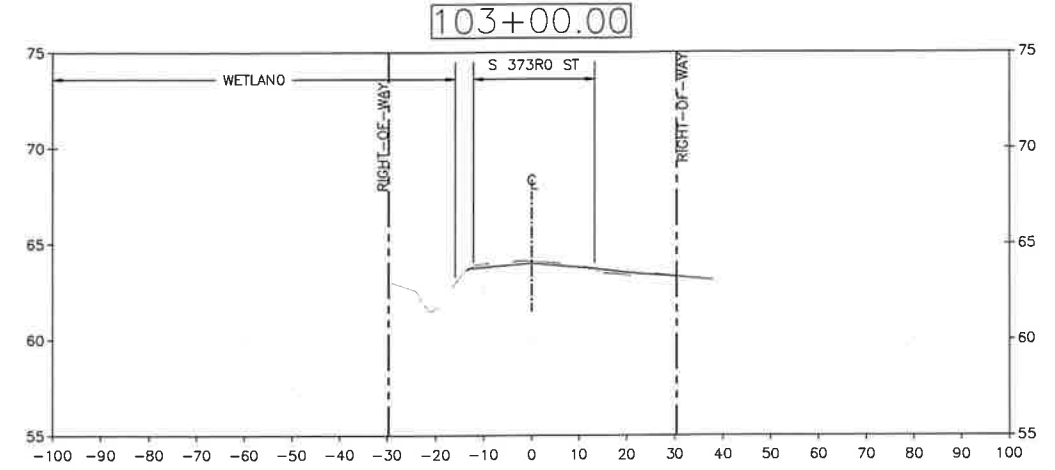
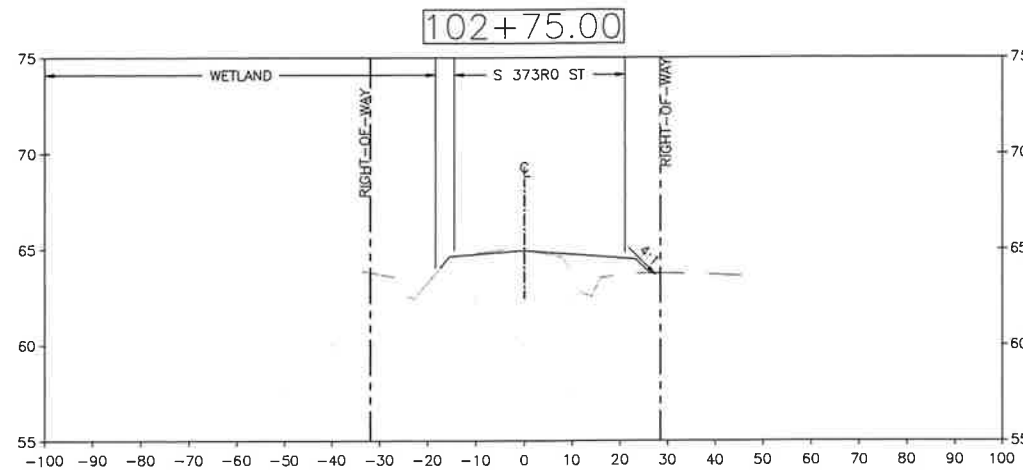
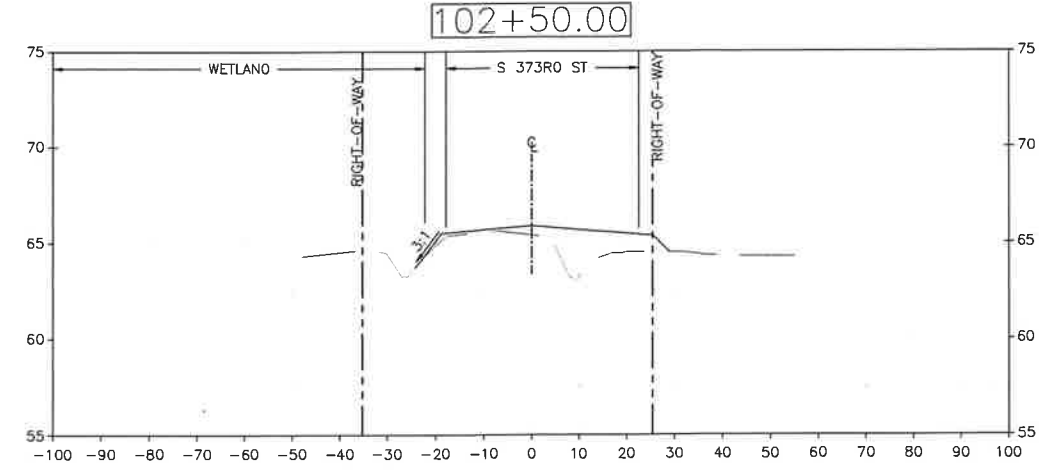
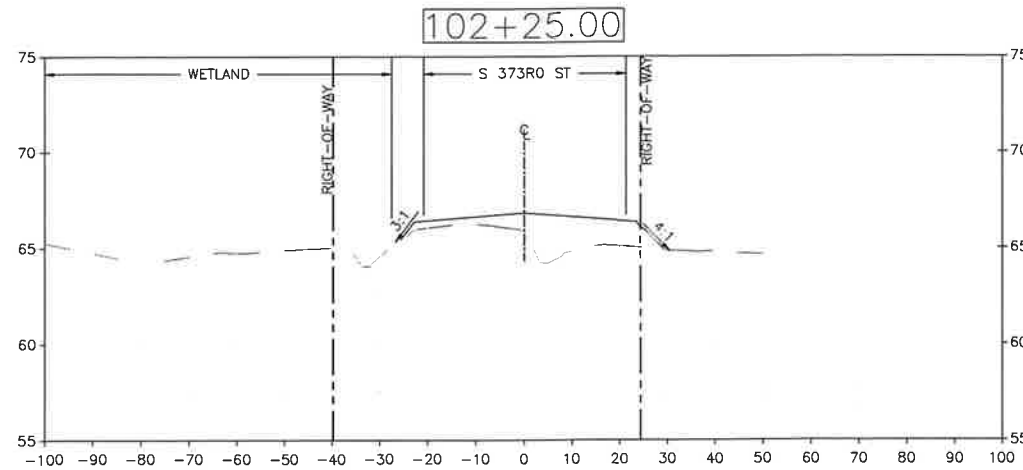
SR99 AT S 373RD ST ROUNDABOUT

SECTION VIEW - S 373RD ST

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 87
OF 93



transpogroup 
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203 (TEL) 425-821-3665
KIRKLAND, WASHINGTON 98034 (FAX) 425-825-8434

 **CITY OF
Federal Way**
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV


Know what's below.
Call before you dig.

DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

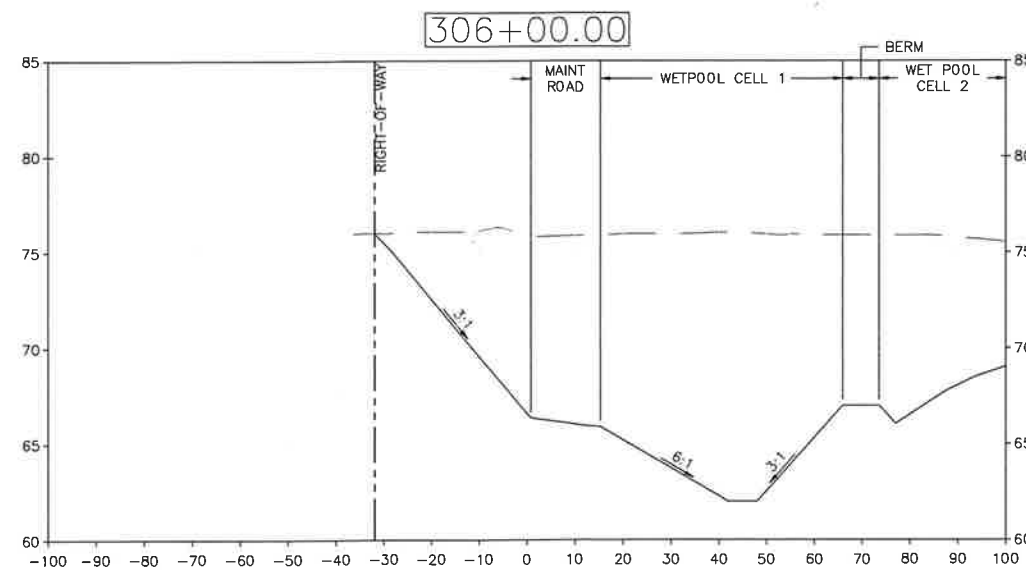
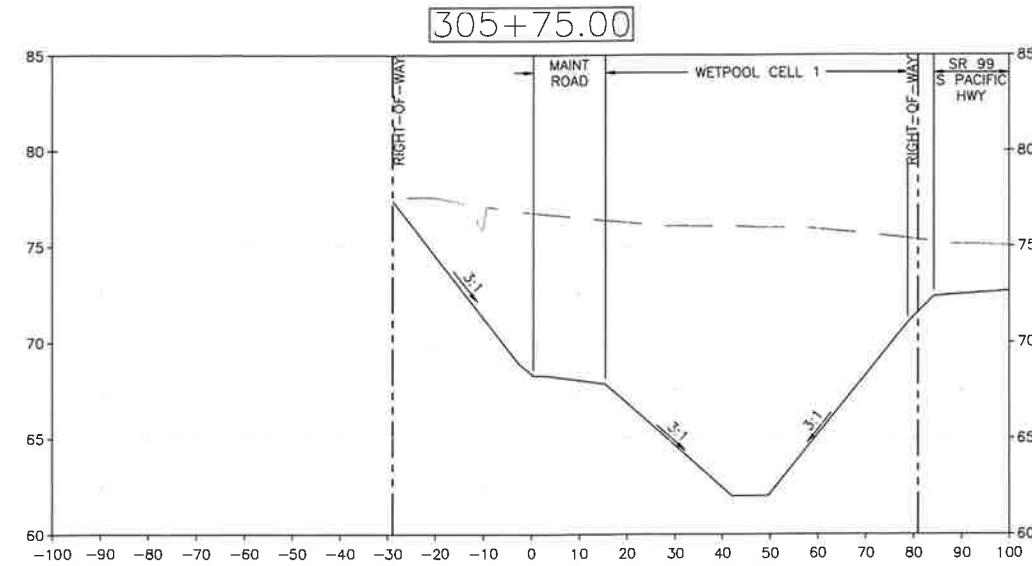
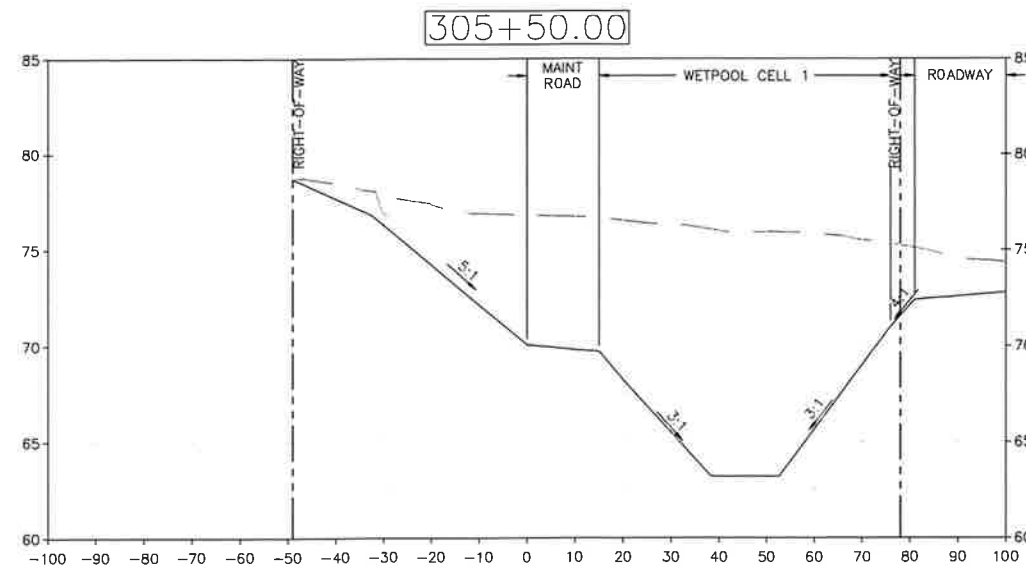
SR99 AT S 373RD ST ROUNDABOUT

SECTION VIEW - S 373RD ST

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 88
OF 93



transpogroup **7**
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

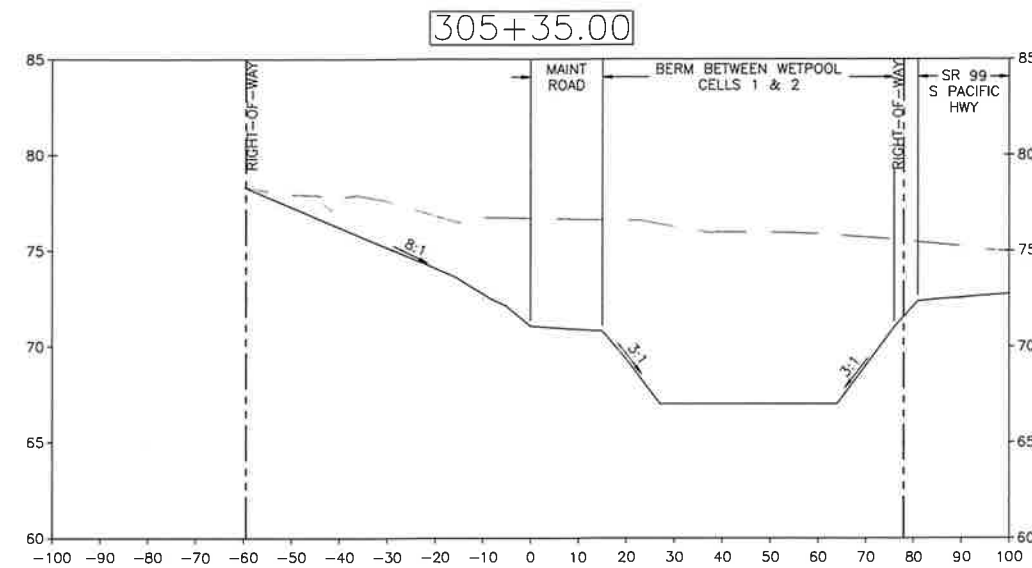
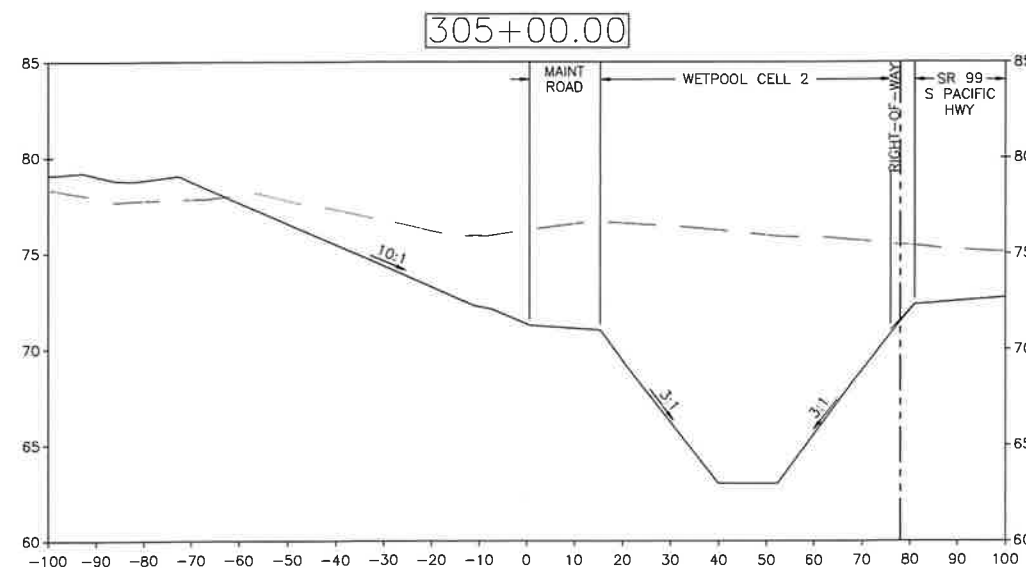
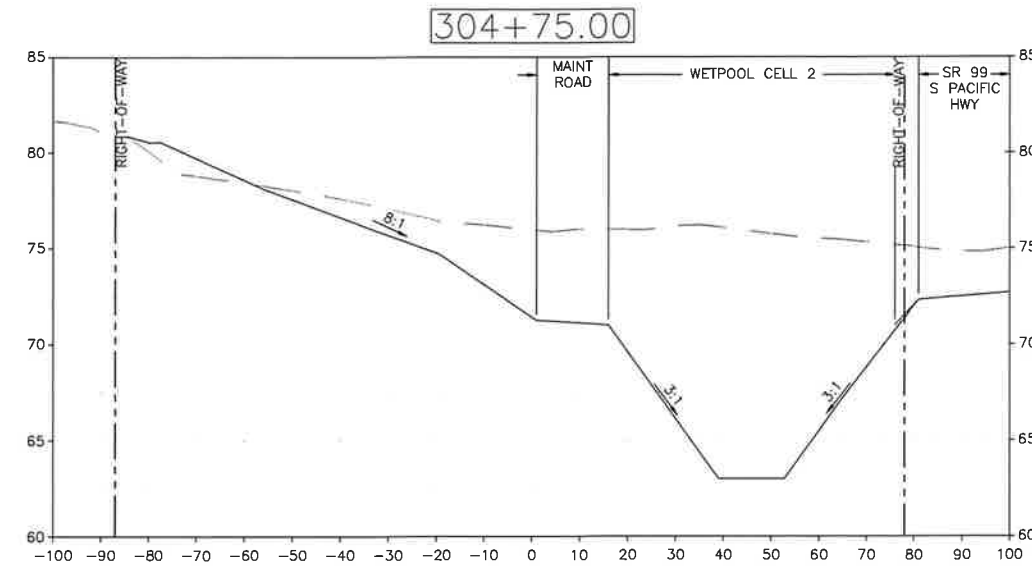
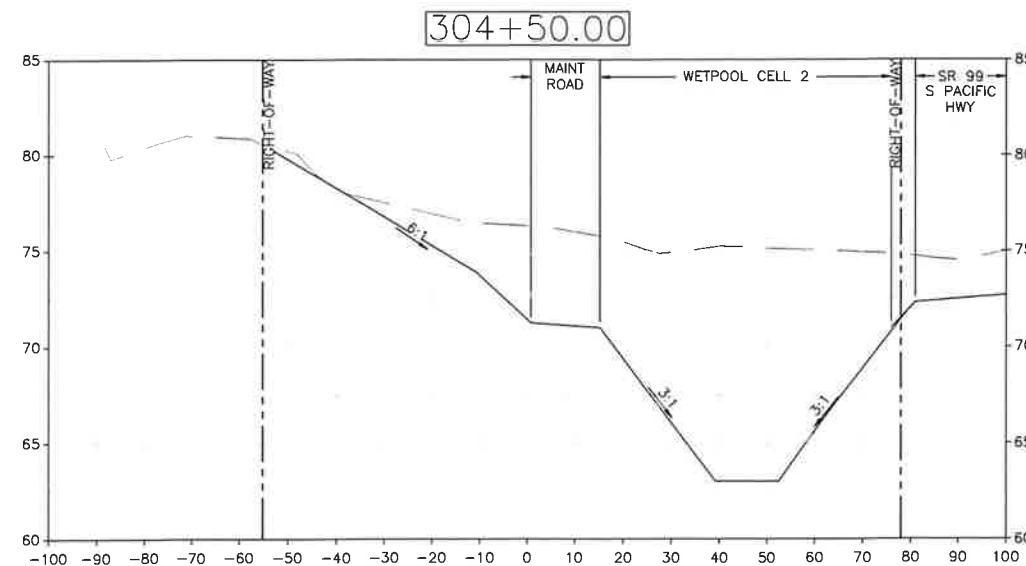
SR99 AT S 373RD ST ROUNDABOUT

SECTION VIEW - MAINT ROAD

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 89
OF 93



transpogroup **7F**
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034

(TEL) 425 821-3665
(FAX) 425 825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV



DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

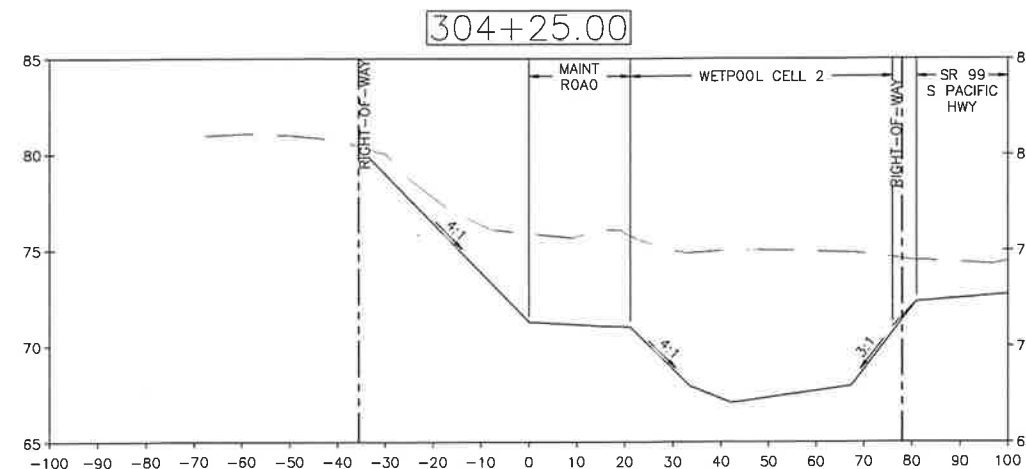
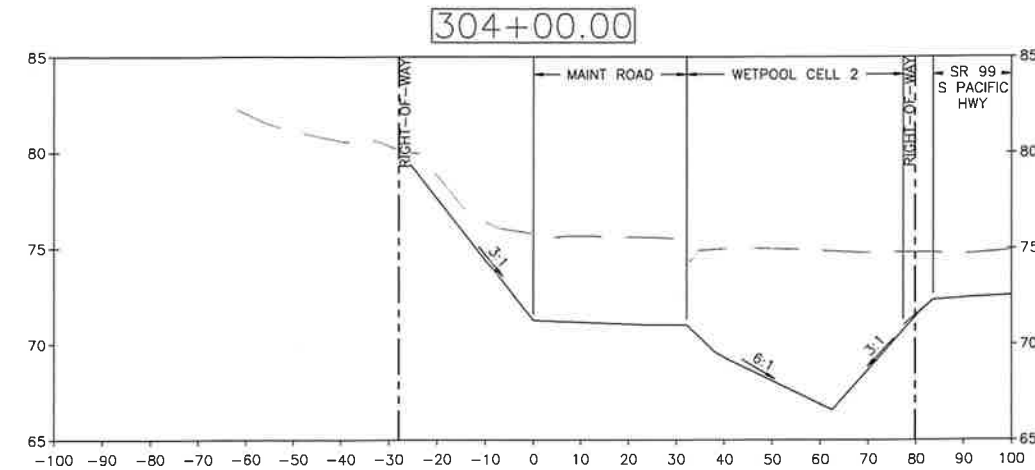
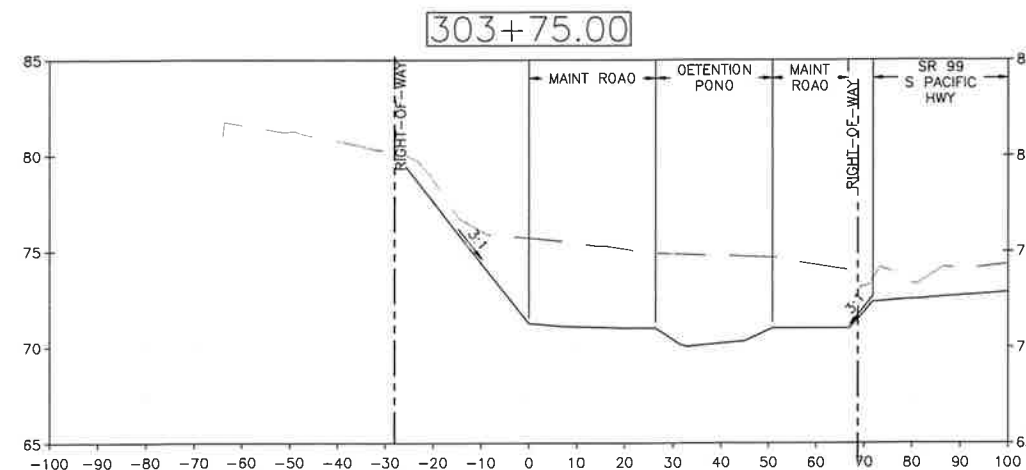
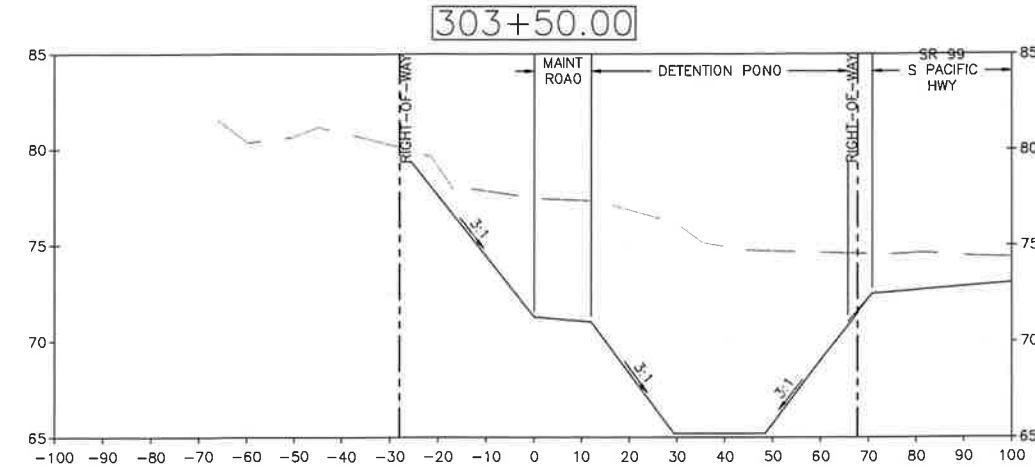
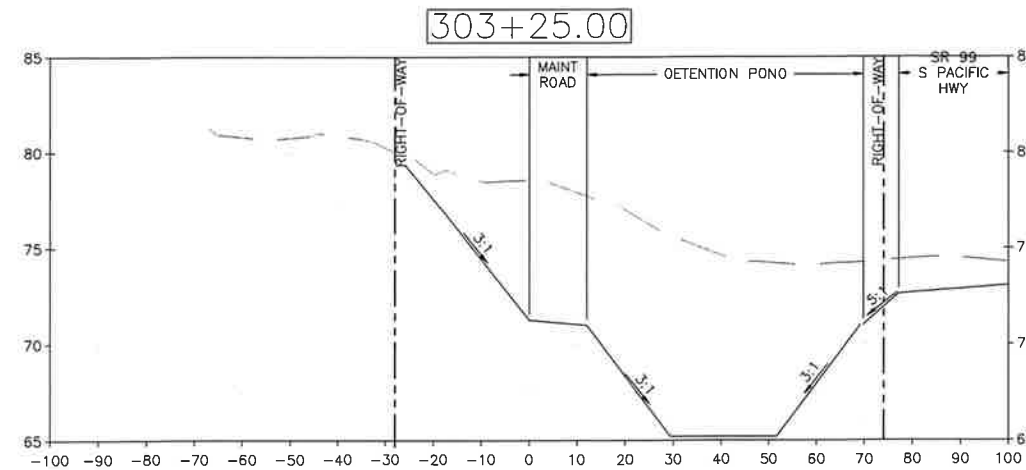
SR99 AT S 373RD ST ROUNDABOUT

SECTION VIEW - MAINT ROAD

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 90
OF 93



transpogroup 
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203 (TEL) 425 821-3665
KIRKLAND, WASHINGTON 98034 (FAX) 425 825-8434


Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV


Know what's below.
Call before you dig.

DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:

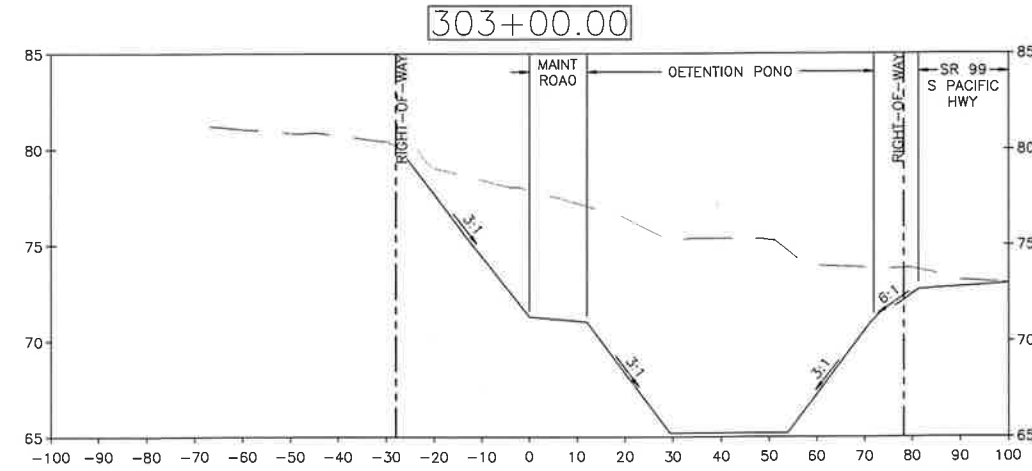
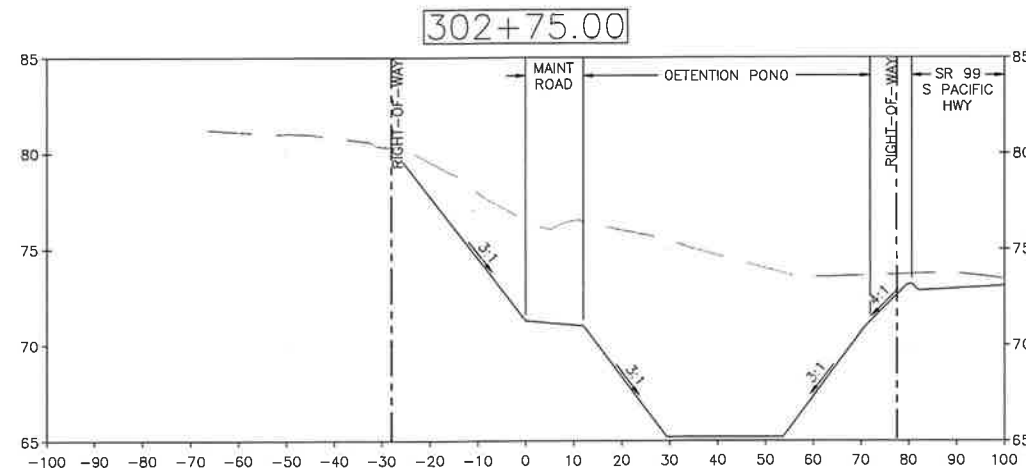
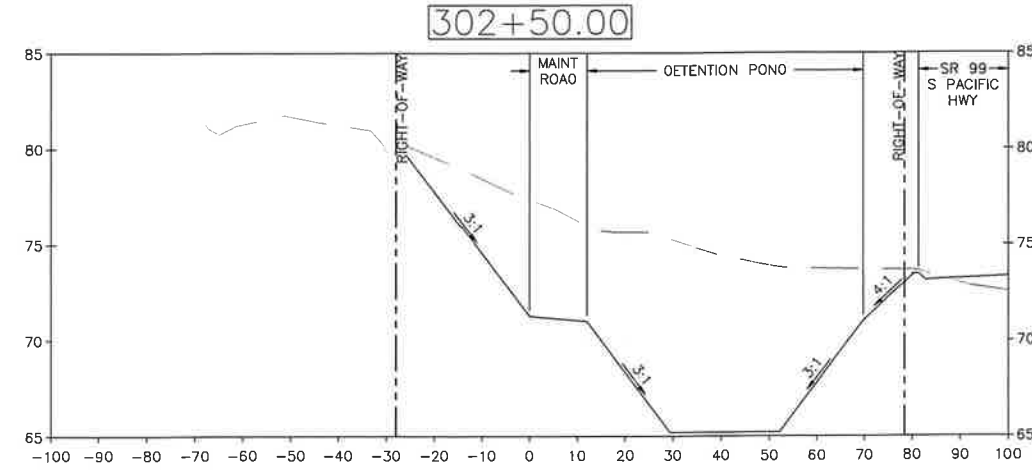
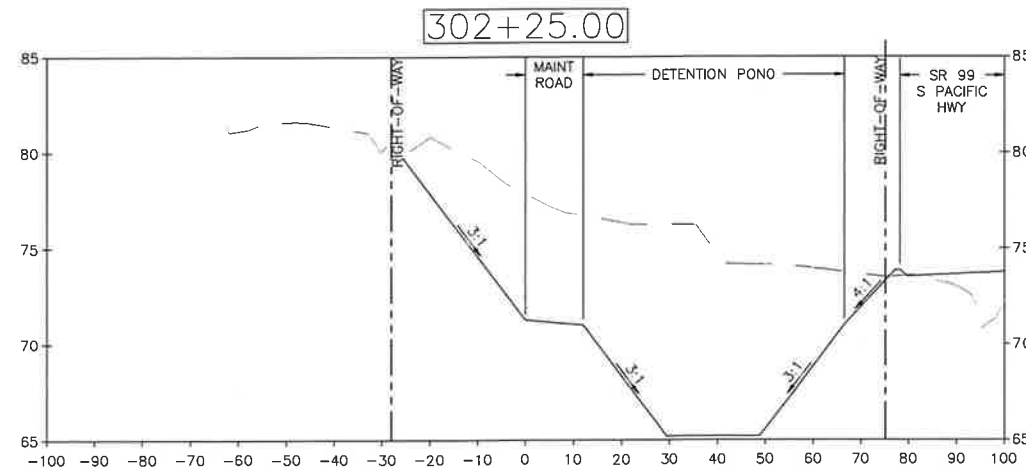
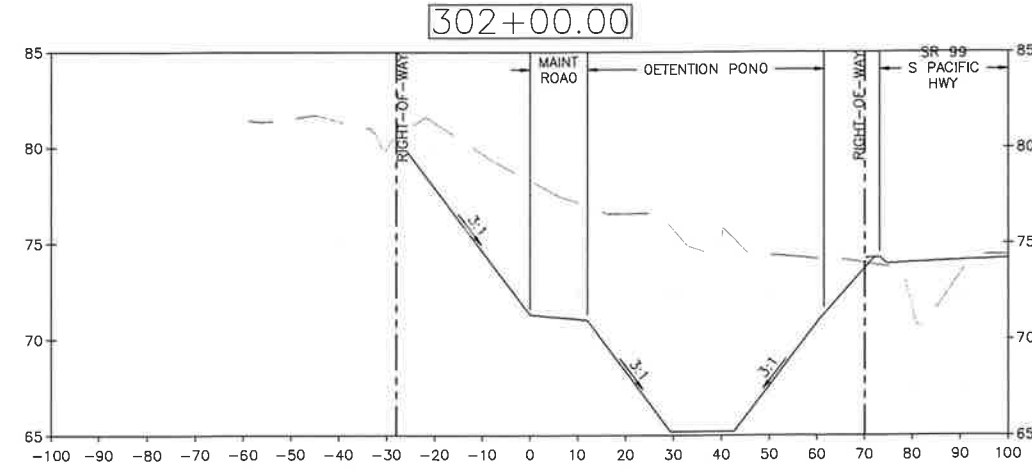
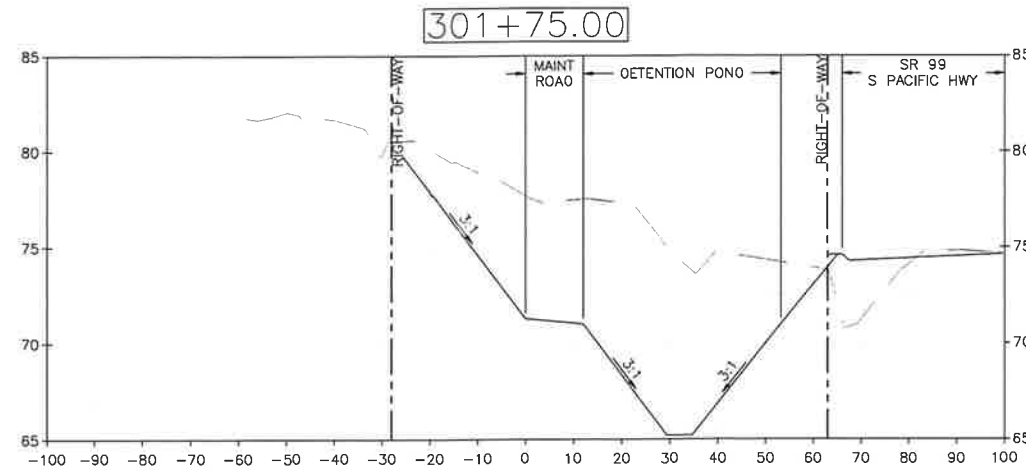


DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT
SECTION VIEW - MAINT ROAD

BID SUBMITTAL

CITY PROJECT #:
36224
SHT. 91
OF 93



transpogroup **7**
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE, NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425-821-3665
(FAX) 425-825-8434

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV

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

DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:

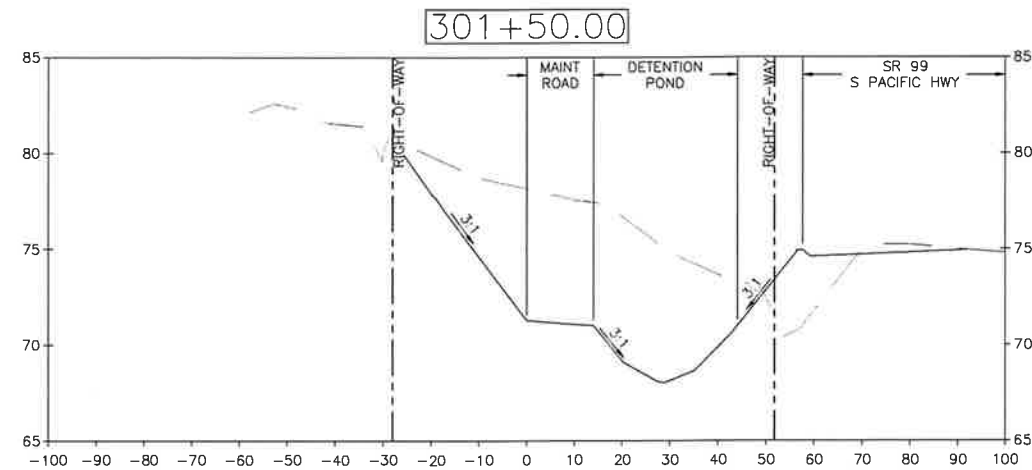
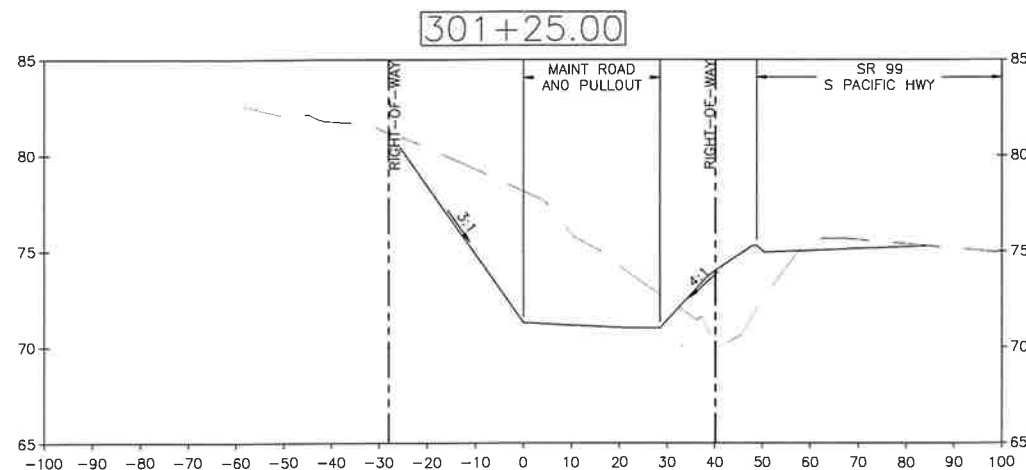
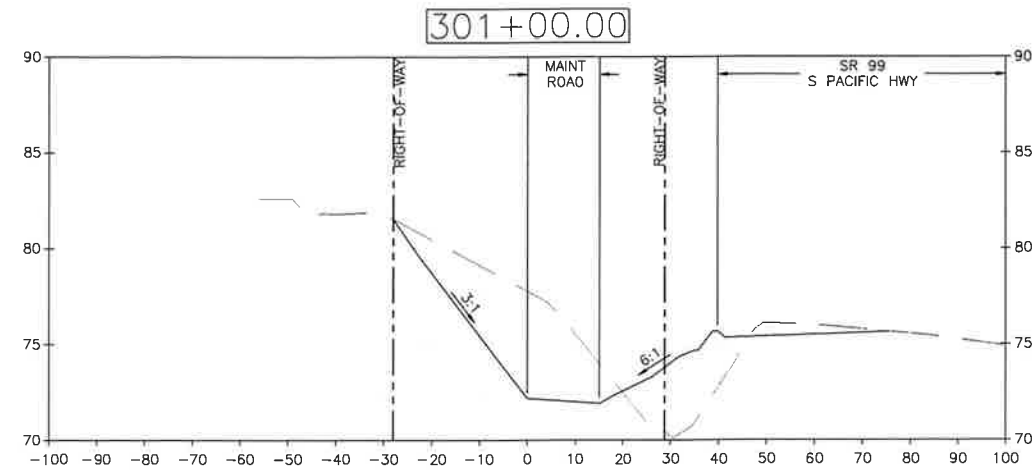
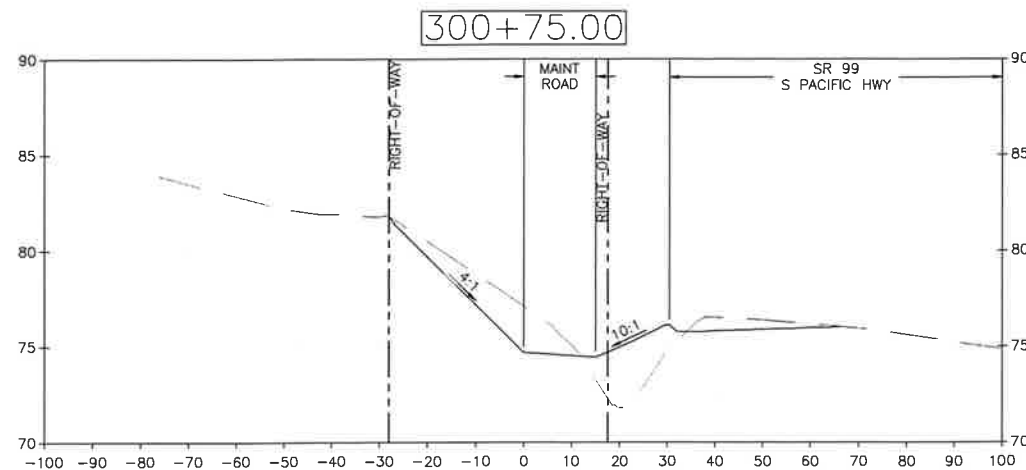
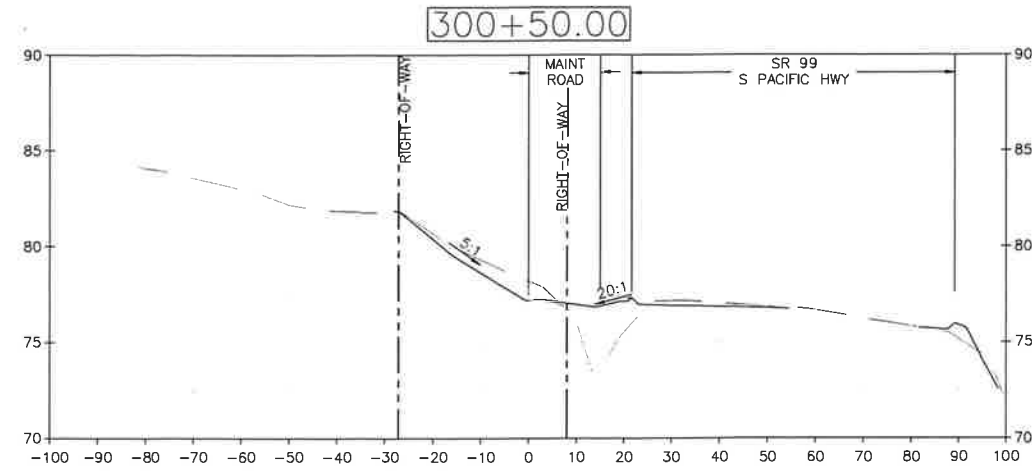
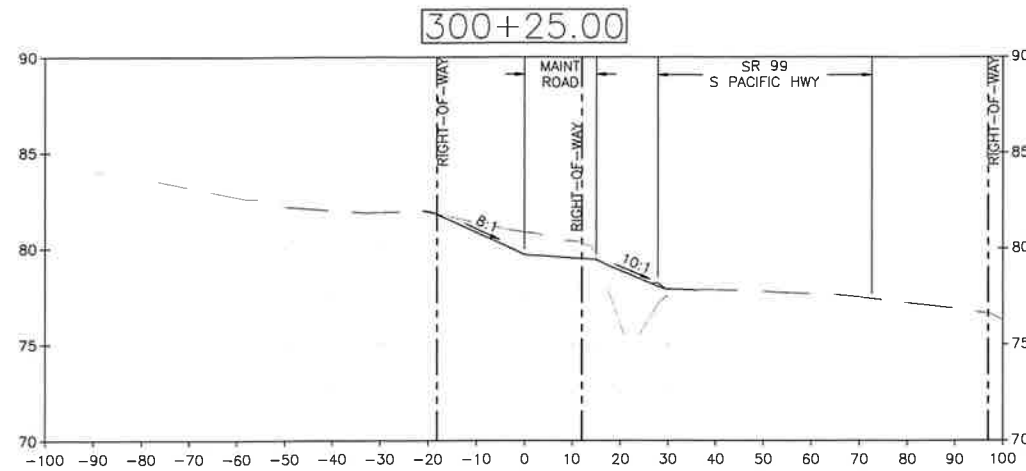


DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT
SECTION VIEW - MAINT ROAD

BID SUBMITTAL

CITY PROJECT #:
36224
SHT. **92**
OF **93**



transpogroup 
WHAT TRANSPORTATION CAN BE

12131 113TH AVENUE NE, SUITE 203
KIRKLAND, WASHINGTON 98034
(TEL) 425 821-3665
(FAX) 425 825-8434

 **CITY OF
Federal Way**
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.FEDERALWAYWA.GOV


Know what's below.
Call before you dig.

DRAFTED: JRK
DESIGNED: BMK
REVIEWED: KBC
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

SR99 AT S 373RD ST ROUNDABOUT

SECTION VIEW - MAINT ROAD

BID SUBMITTAL

CITY PROJECT #:
36224

SHT. 93
OF 93

J:\PNWLAKHAVEN\BID\AK040100-2023-2025 On-Call\BID\AK040111 - 2025 WMI Pacific Highway South (SR 99) & S. 373rd SW\CAD\Sheet\Files\99\AK040111\INDX01.dwg, 8/25/2026

EXISTING LEGEND

SEE BIO SCHEOULE A DRAWINGS FOR EXISTING SURVEY LEGENO.

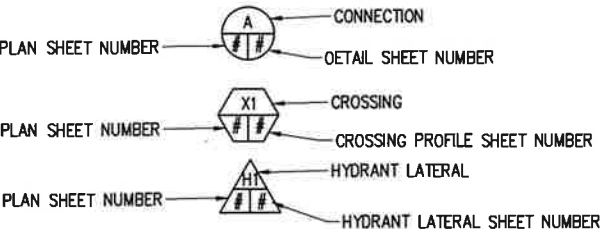
PROPOSED LEGEND (SCHEDULE A)

SEE BIO SCHEOULE A FOR PROPOSED LEGENOS.

PROPOSED LEGEND (SCHEDULE B)

	GATE VALVE (PER LWSO STD PLAN 1002)
	LONG SLEEVE COUPLING (OI TO OI/PVC PER LWSO STD PLAN 1001)
	TRANSITION COUPLING (AC TO OI PER LWSO STD PLAN 1001)
	11 1/4" BENO
	22 1/2" BENO
	45" BENO
	TEE
	REOUCEER
	CAP
	FLANGE JOINT (FL)
	WATER METER (PER LWSO STD PLAN 1200/1201)
	APPROXIMATE LOCATE STATION (PER LWSO STD PLAN 1011)
	FIRE HYDRANT (PER LWSO STD PLAN 1100)
	RESTRAINED MECHANICAL JOINT (RJ, MJ)
	THRUST BLOCK (PER LWSO STD PLAN 1003)
	THRUST COLLAR (PER LWSO STD PLAN 1005)
	AIR AIR VACUUM VALVE ASSEMBLY(PER LWSO STD PLAN 1203.1/1203.2)
	CDF ENCASAEMENT OF WATER MAIN(PER LWSO STD PLAN 1000.2)
	EX WATER (LOCATED)
	EX WATER (RECORD)
	PROPOSEO WATER MAIN
	PROPOSEO WATER SERVICE
	RESTRAINED JOINT LIMITS (PROFILE VIEW)

CONNECTION, CROSSING, & HYDRANT REFERENCE NOTES



ABBREVIATIONS

AC	ASPHALT CONCRETE	MAX	MAXIMUM
ACP	ASPHALT CONCRETE PAVEMENT	MIN	MINIMUM
AOA	AMERICANS WITH OISABILITIES ACT	MH	MANHOLE
AP	ANGLE POINT	MIC	MONUMENT IN CASE
APPROX	APPROXIMATE	MJ	MECHANICAL JOINT
BLDG	BUILDING	MON	MONUMENT
CB	CATCH BASIN	N	NORTH OR NORTHING
CCP	CEMENT CONCRETE PAVEMENT	NAVD	NORTH AMERICAN VERTICAL OATUM
CDF	CONTROLLED OENSITY FILL	NO	NUMBER
CHLK	CHAINLINK	NTS	NOT TO SCALE
CL	CENTERLINE	OC	ON CENTER
CL	CLASS	OO	OUTSIOE OIAMETER
CO	CLEANOUT	PC	POINT OF CURVE
CO_	CITY OF _	PCC	POINT OF COMPOUND CURVATURE
COL	COLUMN CONC CONCRETE	PCCP	PERVIOUS CEMENT CONCRETE PAVEMENT
CSTC	CRUSHED SURFACING TOP COURSE	PI	POINT OF INTERSECTION
CSBC	CRUSHED SURFACING BASE COURSE	POB	POINT OF BEGINNING
OI	DUCTILE IRON	POE	POINT OF ENOING
OIA	OIAMETER	PRC	POINT OF REVERSE CURVATURE
OW	ORIVEWAY	PT	POINT OF TANGENT
E	EAST OR EASTING	PVC	POLYVINYL CHLORIOE OR
EA	EACH		POINT OF VERTICAL CURVATURE
ELEV	ELEVATION	PVT	POINT OF VERTICAL TANGENT
EOP	EDGE OF PAVEMENT	PM	POINT OF VERTICAL INTERSECTION
EW	EACH WAY EXIST EXISTING	R	RADIUS
FF	FINISHED FLOOR	ROW	RIGHT OF WAY
FL	FLOW LINE	RT	RIGHT
FO	FIBER OPTIC	S	SLOPE OR SOUTH
FOC	FACE OF CURB	SO	STORM ORAIN
GV	GATE VALVE	SOMH	STORM ORAIN MANHOLE
HMA	HOT MIX ASPHALT	SE	SOUTHEAST
HORIZ	HORIZONTAL	SHT	SHEET
HP	HIGH POINT	SQ	SQUARE
IO	INSIOE OIAMETER	SS	SANITARY SEWER
IE	INVERT ELEVATION	SSMH	SANITARY SEWER MANHOLE
IN	INCH/INCHES	ST	STREET
JB	JUNCTION BOX	STA	STATION
L	LENGTH	STD	STANOARO
LT	LEFT	STCR	STRUCTURE
LF	LINEAR FEET	SW	SOUTHWEST
LP	LOW POINT	TYP	TYPICAL
LWSO	LAKEHAVEN WATER & SEWER OISTRICT	VERT	VERTICAL
		W	WEST
		YD	YARO ORAIN

PSOMAS

3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.286.1640
www.psomas.com



DRAFTED: DPY
DESIGNED: AJO
REVIEWED: SOD
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

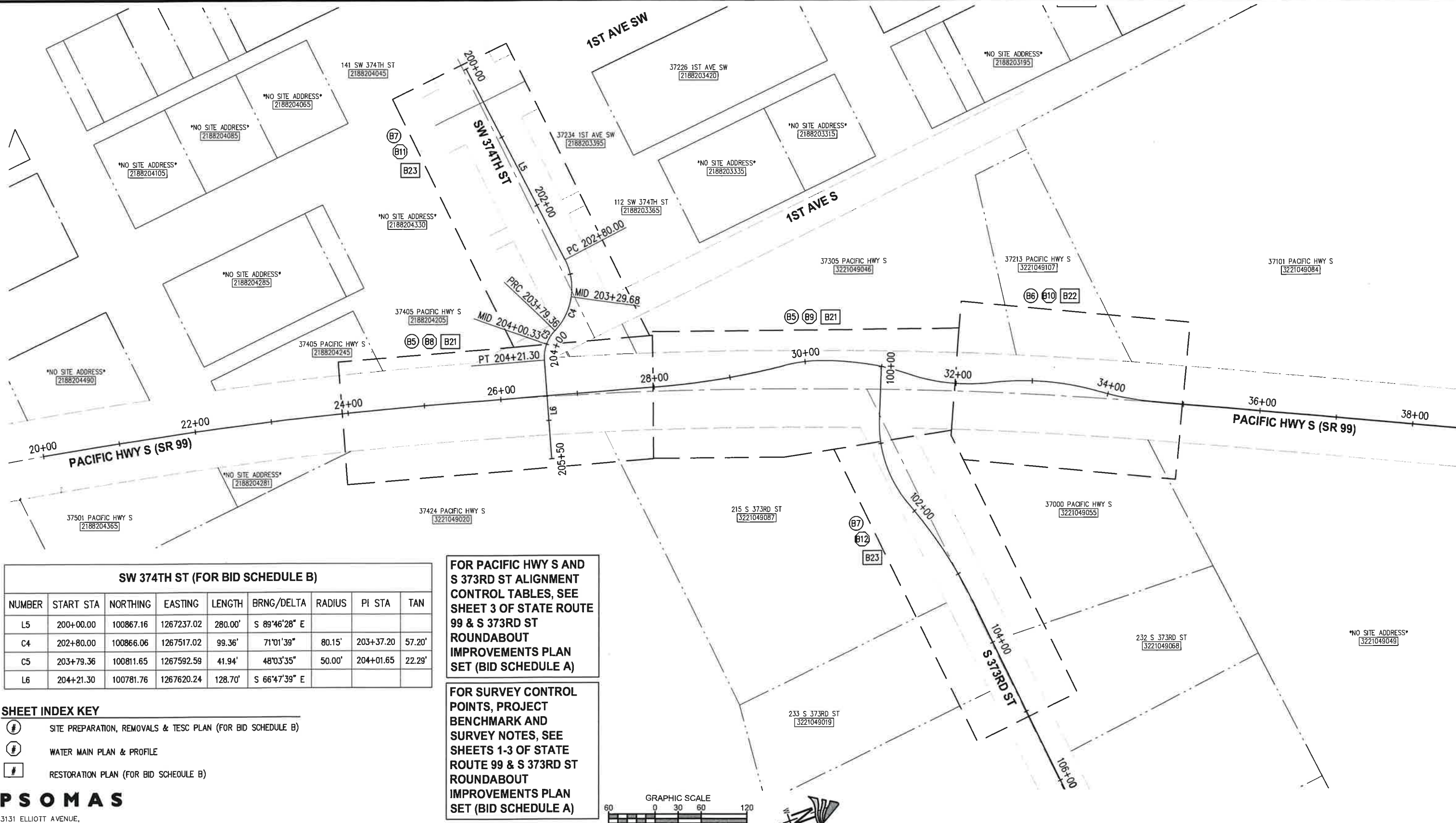
WMI-SR99/S 373RD ST ROUNDABOUT

LEGEND & ABBREVIATIONS
(BID SCHEDULE B)

BID DOCUMENT

CITY PROJECT #:	36224
SHT. OF	B2 B29

J:\PNV\LAKEHAVEN\93\AK040100-2023-2025 On-Call\93\AK040111 - 2025 WMI Pacific Highway South (SR 99) & S. 373rd St\CAD\Drawings\AK040111\INDX01.dwg, 8/25/2026



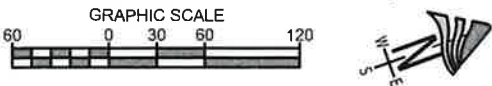
SW 374TH ST (FOR BID SCHEDULE B)								
NUMBER	START STA	NORTHING	EASTING	LENGTH	BRNG/DELTA	RADIUS	PI STA	TAN
L5	200+00.00	100867.16	1267237.02	280.00'	S 89°46'28" E			
C4	202+80.00	100866.06	1267517.02	99.36'	71°01'39"	80.15'	203+37.20	57.20'
C5	203+79.36	100811.65	1267592.59	41.94'	48°03'35"	50.00'	204+01.65	22.29'
L6	204+21.30	100781.76	1267620.24	128.70'	S 66°47'39" E			

- SHEET INDEX KEY**
- SITE PREPARATION, REMOVALS & TESC PLAN (FOR BID SCHEDULE B)
 - WATER MAIN PLAN & PROFILE
 - RESTORATION PLAN (FOR BID SCHEDULE B)

PSOMAS
3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.286.1640
www.psomas.com

FOR PACIFIC HWY S AND
S 373RD ST ALIGNMENT
CONTROL TABLES, SEE
SHEET 3 OF STATE ROUTE
99 & S 373RD ST
ROUNDBOUT
IMPROVEMENTS PLAN
SET (BID SCHEDULE A)

FOR SURVEY CONTROL
POINTS, PROJECT
BENCHMARK AND
SURVEY NOTES, SEE
SHEETS 1-3 OF STATE
ROUTE 99 & S 373RD ST
ROUNDBOUT
IMPROVEMENTS PLAN
SET (BID SCHEDULE A)



 Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM		 Know what's below. Call before you dig.		 JEFFREY M. FENN STATE OF WASHINGTON LICENSED PROFESSIONAL ENGINEER 09-17-2026		DRAWING VERSION / REVISION LOG		WMI-SR99/S 373RD ST ROUNDBOUT		BID DOCUMENT	
DRAFTED: DPY		DESIGNED: AJO		REVIEWED: SOD		APPROVED:		NO. DATE REVISION		CITY PROJECT #:	
										36224	
										SHT. B1	
										OF B29	

J:\P\W\LAKEHAVEN\LAKE040100-2023-2025 On-Call\B\AK04011 - 2025 WMI Pacific Highway South (SR 99) & S. 373rd St\CAADD\SheetFiles\B\AK040111\NDX01.dwg, 8/25/2025

LAKEHAVEN WATER AND SEWER DISTRICT
CONSTRUCTION GENERAL NOTES:

- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE CURRENT WSDOT / APWA "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION," AS AMENDED OR SUPPLEMENTED BY APPROVED LAKEHAVEN WATER AND SEWER DISTRICT (LWSD) STANDARDS.
- PROTECTION OF THE ENVIRONMENT:** NO CONSTRUCTION RELATED ACTIVITY SHALL CAUSE OR CONTRIBUTE TO DEGRADATION OF THE ENVIRONMENT, INTRODUCTION OF POLLUTANTS TO SURFACE OR GROUND WATERS, OR PARTICULATE OR OTHER EMISSIONS TO THE ATMOSPHERE WHICH EXCEED LOCAL, STATE OR FEDERAL STANDARDS. ANY ACTIVITY POTENTIALLY RESULTING IN A DIRECT DISCHARGE TO STATE WATERS SHALL BE SUBJECT TO THE PRIOR APPROVAL OF THE WASHINGTON STATE DEPARTMENT OF ECOLOGY. NOISE LEVELS FROM EQUIPMENT AND CONSTRUCTION RELATED ACTIVITIES SHALL CONFORM TO FEDERAL, STATE, AND JURISDICTIONAL AGENCY REQUIREMENTS.
- THE CONTRACTOR SHALL CALL 811 A MINIMUM OF THREE BUSINESS DAYS PRIOR TO THE START OF ANY EXCAVATION.
- THE CONTRACTOR SHALL FIELD-VERIFY EXISTING CONDITIONS, INCLUDING PERFORMING UTILITY POTHOLING IF NECESSARY, AND COORDINATE ANY NECESSARY ADJUSTMENTS TO PREVIOUSLY APPROVED WORK (AS IDENTIFIED IN THE RIGHT-OF-WAY PERMIT) WITH THE DISTRICT PRIOR TO COMMENCING WORK ON TEMPORARY OR PERMANENT PROJECT IMPROVEMENTS.
- THE CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING AND NEW IMPROVEMENTS NOT DESIGNATED FOR REMOVAL OR REPLACEMENT FROM DISPLACEMENT OR DAMAGE. THE CONTRACTOR SHALL COORDINATE WITH AND (IF NECESSARY) COMPENSATE THE OWNERS OF THE AFFECTED IMPROVEMENT(S) TO STABILIZE, PRESERVE, PROTECT AND/OR REPLACE SUCH IMPROVEMENT(S).
- DRIVEWAY ACCESS:** DRIVEWAY ACCESS TO PARCELS SHALL BE MAINTAINED AT ALL TIMES EXCEPT DURING ACTIVE TRENCHING, WATER OR SEWER FACILITY REMOVAL AND/OR PLACEMENT, TRENCH BACKFILL, SURFACING AND/OR PAVING AT, OR IN THE IMMEDIATE VICINITY OF THE RESPECTIVE DRIVEWAY LOCATION(S). PRIOR TO THE END OF EACH WORKDAY, THE CONTRACTOR SHALL INSTALL ANCHORED TEMPORARY STEEL PLATES (WITH NON-SKID SURFACE AND COLD MIX ASPHALT AROUND THE EDGES) OR TEMPORARY PAVEMENT ACROSS ANY TRENCH SECTION CROSSING A DRIVEWAY THAT HAS NOT BEEN RESTORED TO FINISH GRADE. THE TEMPORARY STEEL PLATES, TEMPORARY PAVEMENT AND/OR COMPLETED TRENCH SECTION SHALL EXTEND THE FULL WIDTH OF THE DRIVEWAY AND PROVIDE FOR SAFE TRAFFIC MOVEMENT. THE CONTRACTOR SHALL COORDINATE ANY DRIVEWAY CLOSURES WITH LWSD AND THE RESPECTIVE PROPERTY OWNER(S) A MINIMUM OF 48-HOURS PRIOR TO THE SCHEDULED CLOSURE.
- ALL TRENCH BACKFILL SHALL BE COMPACTED TO 95% OF RELATIVE DENSITY, OR GREATER, IF SO SHOWN ON THE PLANS OR OTHERWISE REQUIRED BY THE RIGHT-OF-WAY AGENCY HAVING JURISDICTION, FROM THE BOTTOM OF THE EXCAVATION TO THE SURFACE.
- REFER TO DISTRICT MAP TO DETERMINE THE AGENCY HAVING JURISDICTION OVER DESIGN AND CONSTRUCTION REQUIREMENTS.
- FOR WORK PERFORMED IN PUBLIC RIGHT-OF-WAY, THE CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH THE REQUIREMENTS INCLUDING NOTIFICATIONS, SITE MANAGEMENT, AND RESTORATION AS REQUIRED BY THE RIGHT-OF-WAY JURISDICTION, AND TO RESTORE, IF IMPACTED, PRIVATE PROPERTY.
- THE CONTRACTOR SHALL ADHERE TO APPROVED TRAFFIC CONTROL PLANS AND ALLOWABLE HOURS OF WORK.
- THE CONTRACTOR SHALL COORDINATE ACTIVITIES SO THAT ALL MAIL DELIVERY, GARBAGE/RECYCLING PICKUP, AND ALL BUS ROUTES WILL NOT BE IMPEDED AND ACCESS WILL BE CONTINUOUS THROUGH CONSTRUCTION.
- ASBESTOS CEMENT PIPE REMOVAL WORK SHALL BE PERFORMED BY AN ASBESTOS ABATEMENT CONTRACTOR CERTIFIED BY L&I. ASBESTOS CEMENT PIPE CUTTING SHALL BE PERFORMED WITH A SHELL CUTTER.

LAKEHAVEN WATER AND SEWER DISTRICT
WATER GENERAL CONSTRUCTION NOTES:

- WATER MAINS AND HYDRANT LATERALS SHALL BE DUCTILE IRON PIPE, SPECIAL THICKNESS CLASS 52. RESTRAINED JOINTS SHALL BE INSTALLED ON ALL HYDRANT LATERALS IN ACCORDANCE WITH STANDARD PLAN 1100 AND ON WATER MAINS WHERE NOTED IN THE PLANS.
- RESTRAINED JOINTS SHALL BE OF TYPE AND MANUFACTURE AS SPECIFIED IN THE LWSD DESIGN AND CONSTRUCTION STANDARDS. INSTALLATION OF EACH RESTRAINED JOINT SHALL BE PERFORMED IN THE PRESENCE OF LWSD INSPECTORS. LWSD INSPECTORS MAY ELECT TO FIELD MARK EACH SUCH OBSERVED COMPLETED RESTRAINED JOINT.
- FITTINGS FOR WATER MAINS SHALL BE DUCTILE IRON PRESSURE CLASS 350 FOR PLAIN-END, PUSH-ON, MECHANICAL OR FLANGE JOINTS. ALL FITTINGS CONNECTING TO NEW WATER MAINS SHALL HAVE RESTRAINED JOINTS EXCEPT WHERE NOTED ON THE PLANS OR AS DIRECTED BY THE DISTRICT.
- WATER MAIN CONNECTIONS AT COUPLINGS AND FITTINGS SHALL ALIGN WITHOUT DEFLECTION. DEFLECTION AT ALL OTHER CONNECTIONS SHALL NOT EXCEED THREE (3)-DEGREES, OR HALF OF THE MANUFACTURER'S RECOMMENDED MAXIMUM DEFLECTION, WHICHEVER IS LESS.
- DISRUPTION OF WATER SERVICE.** ANY PROPOSED WATER SERVICE DISRUPTION IS SUBJECT TO THE ADVANCE REVIEW OF, AND CONDITIONS AS MAY BE IMPOSED BY LWSD, AND SHALL BE CONTROLLED BY AUTHORIZED LWSD PERSONNEL TO MINIMIZE SERVICE DISRUPTION AND ENSURE WATER SYSTEM INTEGRITY. VALVE OPERATION ON ACTIVE (CHARGED) WATER MAIN(S) SHALL BE BY AUTHORIZED LWSD PERSONNEL ONLY.

FOR SINGLE FAMILY RESIDENTIAL AND IRRIGATION SERVICE CONNECTIONS:

- THE CONTRACTOR SHALL COORDINATE AND CONFIRM WITH THE DISTRICT A MINIMUM OF 48-HOURS (2 BUSINESS DAYS) IN ADVANCE OF ANY ANTICIPATED WATER SERVICE DISRUPTION LESS THAN 4-HOURS DURING A CALENDAR DAY OR 24-HOUR PERIOD, AND PREPARE AND HAND-DELIVER LWSD-FURNISHED NOTIFICATION FORMS TO EACH AFFECTED WATER SYSTEM CUSTOMER A MINIMUM OF 24-HOURS PRIOR TO SUCH DISRUPTION AS MAY BE AUTHORIZED BY LWSD.
- THE CONTRACTOR SHALL COORDINATE AND CONFIRM WITH THE ENGINEER A MINIMUM OF 72-HOURS (3 BUSINESS DAYS) IN ADVANCE OF ANY ANTICIPATED WATER SERVICE DISRUPTION EXCEEDING 4-HOURS AND NOT EXCEEDING 8-HOURS DURING A CALENDAR DAY OR 24-HOUR PERIOD, AND PREPARE AND HAND-DELIVER LWSD-FURNISHED NOTIFICATION FORMS TO EACH AFFECTED WATER SYSTEM CUSTOMER A MINIMUM OF 48-HOURS PRIOR TO SUCH DISRUPTION AS MAY BE AUTHORIZED BY LWSD.

FOR PROPOSED WATER SERVICE DISRUPTIONS AFFECTING WATER SERVICE CUSTOMERS THAT DO NOT MEET THE ABOVE CRITERIA, THE CONTRACTOR SHALL SUBMIT A PROPOSED PLAN FOR PROVIDING TEMPORARY WATER SERVICE AND/OR CONSTRUCTION SEQUENCING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY WATER SERVICE AND SEQUENCING, WHICH MAY INCLUDE NIGHT WORK.

- WATER FACILITIES IDENTIFIED FOR REMOVAL OR IN CONFLICT WITH NEW FACILITIES SHALL BE REMOVED AND DISPOSED, OR REMOVED, SALVAGED, AND DELIVERED TO LWSD AS NOTED ON THE PLANS OR STATED IN THE CONSTRUCTION CONTRACT. WORK IN THE VICINITY OF AND/OR INVOLVING ASBESTOS CEMENT PIPE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF LOCAL, STATE AND FEDERAL RULES AND REGULATIONS, INCLUDING WORKER EXPOSURE LIMITS PRESCRIBED IN WAC 296-62-07705, AND THE NOTIFICATION, PERMITTING, OFFSITE DISPOSAL AND REPORTING REQUIREMENTS.
- PRESUMED SOIL BEARING STRENGTH FOR THRUST BLOCKS IS 2,000 PSF IN THE ABSENCE OF SOIL ANALYSIS SUBMITTED TO AND APPROVED BY LWSD FROM A LICENSED GEOTECHNICAL ENGINEER.
- PROVIDE A MINIMUM COVER OF 36" FOR 8" AND SMALLER WATER MAINS, AND 48" (OR 12" TO TOP OF NUT, WHICHEVER IS GREATER) FOR 10" TO 16" WATER MAINS, EXCEPT AT TRANSITIONS TO MATCH EXISTING WATER MAINS OR FOR OTHER SITE CONSTRAINTS REVIEWED AND APPROVED BY THE DISTRICT. COVER SHALL BE CONSIDERED FROM TOP OF PIPE TO FINISHED GRADE. SEE STANDARD PLAN 1000 FOR WATER MAIN TRENCHING, BEDDING AND BACKFILL DETAIL.

PSOMAS

3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.286.1640
www.psomas.com



CONSTRUCTION GENERAL NOTES

NOT TO SCALE STD. PLAN NO. 0000 MAY 2024



WATER UTILITY GENERAL CONSTRUCTION NOTES

1 OF 2

NOT TO SCALE STD. PLAN NO. 0100.1 MAY 2024



DRAFTED: DPY
DESIGNED: AJO
REVIEWED: SOD
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

WMI-SR99/S 373RD ST ROUNDABOUT

GENERAL NOTES AND SITE PREPARATION DETAILS
(BID SCHEDULE B)

CITY PROJECT #:
36224

SHT. B3
OF B29

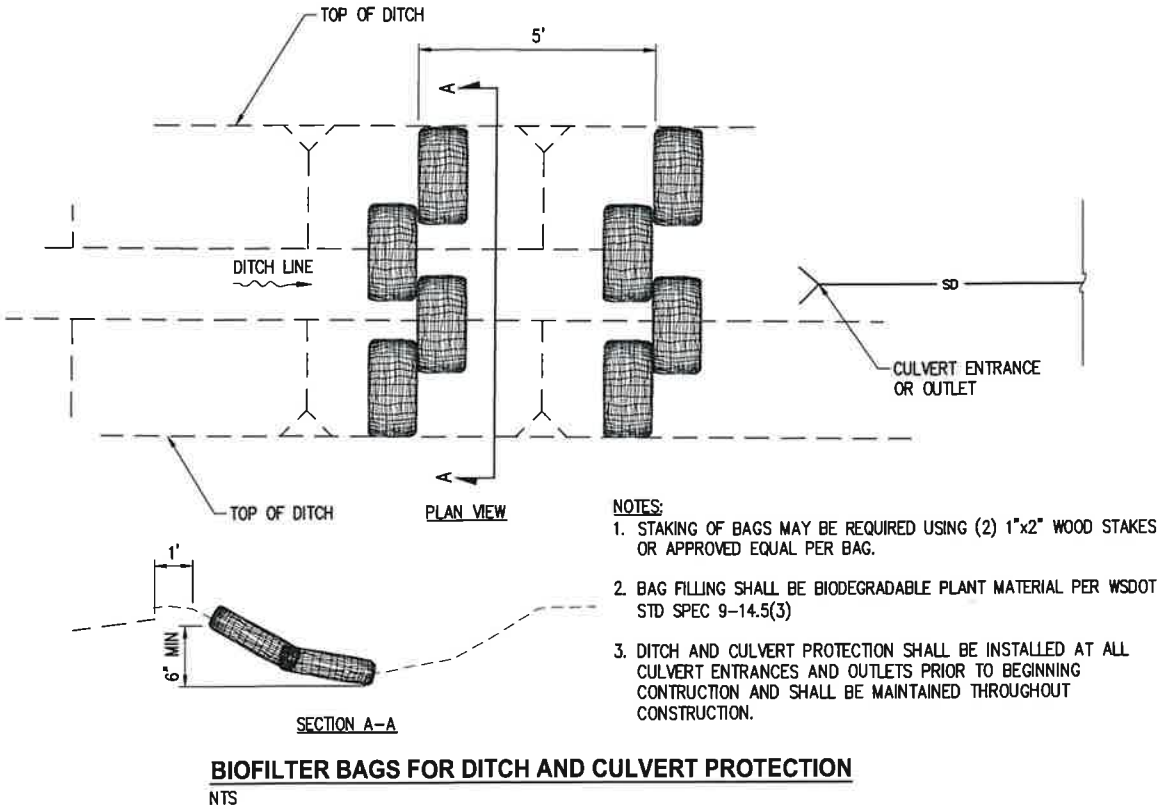
J:\P\W\LAKEHAVEN\9\AK040100-2023-2025 On-Call\9\LAKEHAVEN\9\AK040111\INDX01.dwg, 8/25/2026

LAKEHAVEN WATER AND SEWER DISTRICT
WATER GENERAL CONSTRUCTION NOTES (continued):

9. WATER MAINS SHALL BE LOCATED ABOVE ALL UNDERGROUND UTILITIES WHERE FEASIBLE. THE MINIMUM VERTICAL CLEARANCE BETWEEN THE WATER MAIN AND NON-POTABLE CONVEYANCE SYSTEMS SHALL BE 18" (SEE "WASHINGTON STATE DEPARTMENT OF HEALTH WATER SYSTEM DESIGN MANUAL" SECTION 6.3.4 FOR DEFINITIONS OF NON-POTABLE CONVEYANCE SYSTEMS). IF LWSD DETERMINES 18" MINIMUM CLEARANCE CANNOT BE OBTAINED, THE WATER MAIN SHALL BE PROTECTED AS DEFINED IN THE WASHINGTON STATE DEPARTMENT OF ECOLOGY PIPELINE SEPARATION DESIGN AND INSTALLATION REFERENCE GUIDE (LATEST EDITION) OR AS SUPERSEDED BY LWSD DESIGN AND CONSTRUCTION STANDARDS.
10. THE MINIMUM VERTICAL CLEARANCE BETWEEN WATER MAIN AND ALL UNDERGROUND UTILITIES NOT DEFINED AS NON-POTABLE CONVEYANCE SYSTEMS SHALL BE 18". IF LWSD DETERMINES THIS MINIMUM CLEARANCE CANNOT BE MET, A CLEARANCE OF AT LEAST 6" WILL BE ALLOWED PROVIDED EITHER A NEOPRENE PAD OR HIGH DENSITY POLYETHYLENE CLOSED-CELL FOAM PAD WITH A MINIMUM DENSITY OF 9.5 PCF (ETHAFOAM 900 OR APPROVED EQUAL) IS INSTALLED BETWEEN THE WATER MAIN AND THE CROSSING UTILITY.
11. VALVE BOX LIDS SHALL BE ADJUSTED IMMEDIATELY FOLLOWING COMPLETION OF THE SUBGRADE AND EACH SURFACING COURSE. ALL UTILITY COVERS THAT ARE LOCATED ON PROPOSED ASPHALT ROADWAYS SHALL BE TEMPORARILY PLACED AT SUBGRADE ELEVATION PRIOR TO PLACING CRUSHED SURFACING MATERIAL. CONTRACTOR SHALL ENSURE THAT ALL VALVE BOX COVERS AND LIDS ARE VISIBLE, AT GRADE, AND ACCESSIBLE TO LWSD AT ALL TIMES EXCEPT DURING GRADING AND SURFACING IN THE VICINITY OF THE VALVE.
12. ALL GATE VALVES SHALL BE INSTALLED PER LWSD STANDARD PLANS.
13. IF ANY PART OF THE COATING OR LINING OF A PIPE, FITTING, OR WATER APPURTENANCE IS DAMAGED, REPLACEMENT THEREOF SHALL BE MADE BY THE CONTRACTOR AT NO EXPENSE TO LWSD. REPAIR SHALL BE ALLOWED AT THE DISCRETION AND DIRECTION OF THE DISTRICT.

PROJECT SPECIFIC GENERAL NOTES

1. CONTRACT PROVISIONS SHOWN ON ON PLAN SHEETS B1 - B29 ARE APPLICABLE TO BID SCHEDULE B. SEE BID SCHEDULE A FOR ALL OTHER PROVISIONS.



PSOMAS

3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.286.1640
www.psomas.com



WATER UTILITY GENERAL CONSTRUCTION NOTES
2 OF 2

NOT TO SCALE STD. PLAN NO. 0100.2 MAY 2024



Know what's below.
Call before you dig.

DRAFTED: DPY
DESIGNED: AJO
REVIEWED: SOD
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

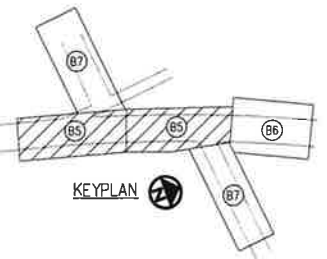
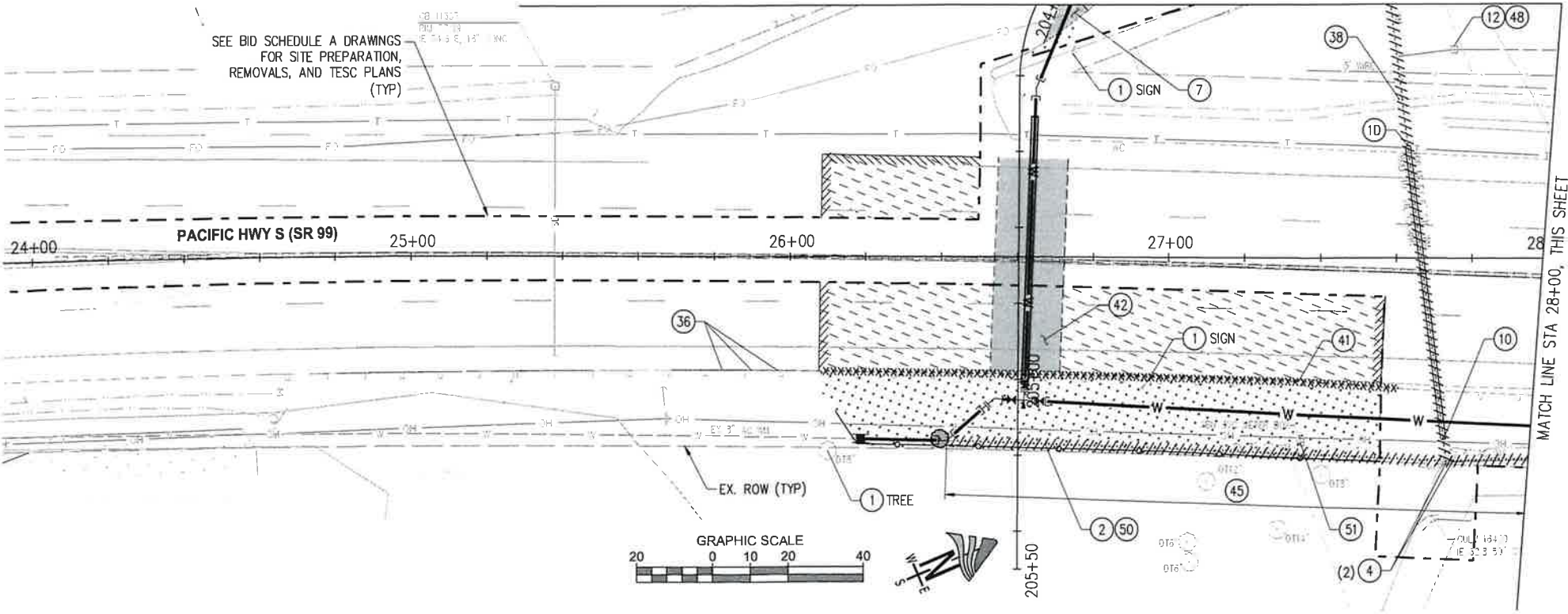
WMI-SR99/S 373RD ST ROUNDABOUT

GENERAL NOTES AND SITE PREPARATION DETAILS
(BID SCHEDULE B)

BID DOCUMENT

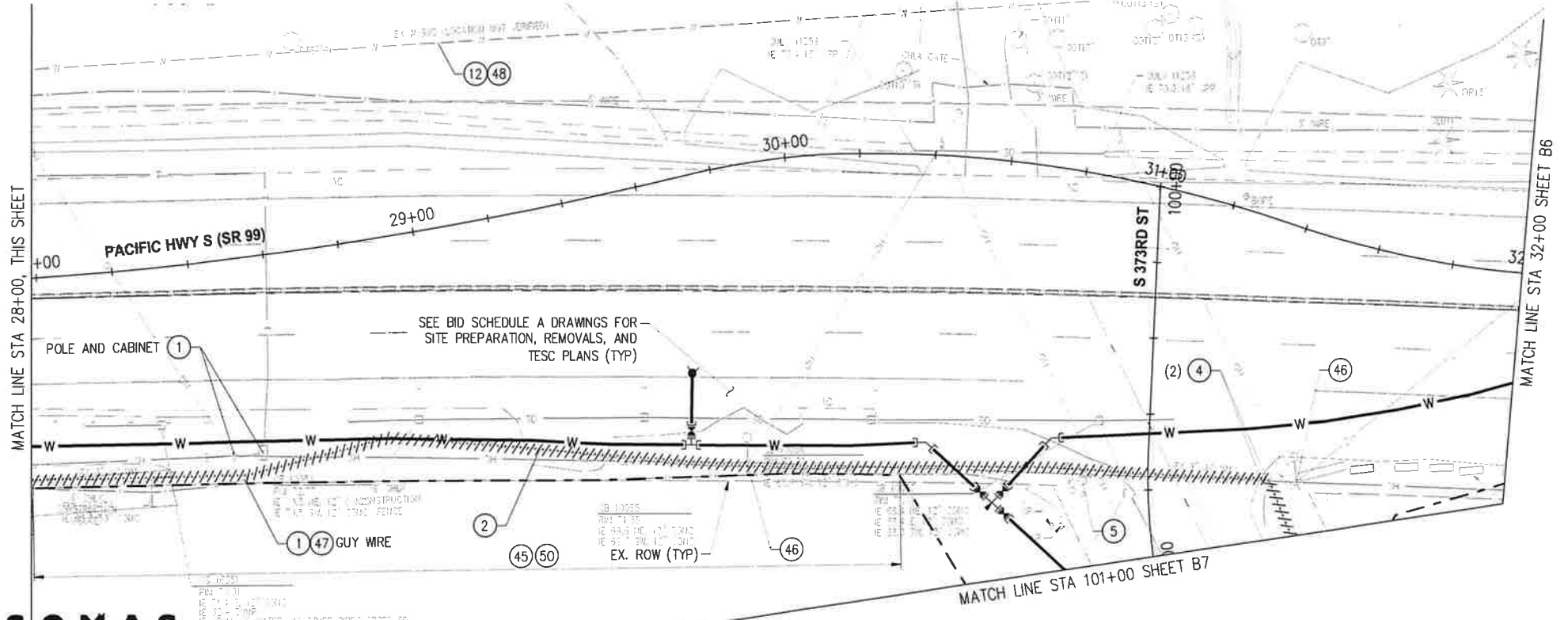
CITY PROJECT #:
36224

SHT. B4
OF B29



- GENERAL NOTES**
1. ALL WATER MAIN REMOVALS SHALL OCCUR PER THE CONTRACT AND AS SHOWN ON PLANS UNLESS BOTH THE COFW AND LWSO DETERMINE REMOVAL OF THE EXISTING WATER MAIN WILL CAUSE UNDUE DISRUPTION TO EXISTING CONDITIONS. IN THIS SCENARIO, THE CONTRACTOR MUST OBTAIN WRITTEN APPROVAL FROM THE COFW AND LWSO TO NOT REMOVE THE WATER MAIN AND SHALL DECOMMISSION IT IN PLACE PER LWSO STD PLAN 1010.
 2. SEE SHEET B3-B4 FOR REMAINING TESC GENERAL NOTES.
 3. SEE SCHEDULE A SPECIAL PROVISIONS 8-01 FOR EROSION AND WATER POLLUTION CONTROL.

- SITE PREPARATION, REMOVALS & TESC NOTES**
- 1 PRESERVE AND PROTECT.
 - 2 REMOVE EXISTING AC WATER MAIN. LOCATION SHOWN IS APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND CLOSEST JOINT AT CONNECTION POINTS.
 - 4 REMOVE EXISTING WATER VALVE(S) AND APPURTENANCES.
 - 5 REMOVE EXISTING HYDRANT ASSEMBLY AND GUARD POSTS (WHEN APPLICABLE)
 - 7 SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT, FULL DEPTH.
 - 10 PROTECT AND REPURPOSE EXISTING 10" STEEL CASING PIPE. REMOVE EXISTING CONCRETE END PLUG, APPROXIMATELY 80 LF OF 6" STEEL WATER MAIN FROM WITHIN 10" STEEL CASING, AND PORTION OF 10" CASING. SEE DETAIL, SHEET B20. SEE POTHOLE PLAN SHEET B24 FOR ANTICIPATED AND APPROXIMATE DEPTH OF EXISTING 10" STEEL CASING WATER MAIN.
 - 12 REMOVE EXISTING WATER METER, METER BOX, SETTER AND SERVICE LINE. THE EXISTING WATER METER SHALL BE REINSTALLED AS PART OF NEW SERVICE CONNECTION. SEE WATER PLAN SHEETS FOR FINAL METER LOCATIONS AND NEW SERVICE CONNECTION TREATMENT.
 - 36 PROTECT EXISTING GUARDRAIL BEYOND INDICATED REMOVAL LIMITS.
 - 38 REMOVE EXISTING STEEL WATER MAIN. LOCATION SHOWN IS APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND CLOSEST JOINT AT CONNECTION POINTS.
 - 41 REMOVE EXISTING GUARDRAIL.
 - 42 SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT, FULL DEPTH PER COFW STD DETAIL FW.B55.2D-E.
 - 45 POTHOLE EXISTING WATER MAIN TO VERIFY HORIZONTAL ALIGNMENT PRIOR TO WATER MAIN WORK. SEE POTHOLE FROM ROW LINE AND PROVIDE DATA TO ENGINEER.
 - 46 EXISTING POLE BEING REMOVED (BY OTHERS). SEE APPENDIX G FOR NEW POLE LOCATIONS. CONTRACTOR SHALL COORDINATE BID SCHEDULE B AND UTILITY RELOCATION WORK BY OTHERS INCLUDING SCHEDULING AND SEQUENCING.
 - 47 VACUUM EXCAVATE AROUND POLE AND GUY WIRE TO REMOVE EXISTING WATER MAIN.
 - 48 PRIOR TO REMOVAL OF THIS WATER SERVICE AND DISRUPTION OF SERVICE, PROVIDE 10 WORKING DAYS NOTICE TO PROPERTY OWNER AT 37213 PACIFIC HWY S.
 - 50 CONTRACTOR SHALL HYDROEXCAVATE EXISTING WATER MAIN WHEN ADJACENT TO ROW OR WITHIN DELINEATED WETLAND AREAS.
 - 51 REMOVE EXISTING ABANDONED METER BOX AND SERVICE LINE WITHIN EXCAVATION LIMITS.



LEGEND

	REMOVE GRAVEL		REMOVE DECIDUOUS TREE
	REMOVE ASPHALT PAVEMENT FULL DEPTH		REMOVE BUSH/SHRUB
	ASPHALT PAVEMENT GRIND (SEE SHEET B19 FOR DEPTHS)		PAVING LIMITS
	CLEAR AND GRUB		SAWCUT LINE
	ABANDON PIPE		HIGH VISIBILITY SILT FENCE
	PIPE REMOVAL		BIOFILTER BAGS (SEE DETAIL, SHEET B4)
	GUARDRAIL REMOVAL		PROPOSED WATER MAIN (SEE SHEETS B8-B12)
	SCHEDULE A TESC PLAN AREA		

PSOMAS

3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.286.1640
www.psomas.com

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.CITYOFFEDERALWAY.COM



DRAFTED: DPY
DESIGNED: AJO
REVIEWED: SOD
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

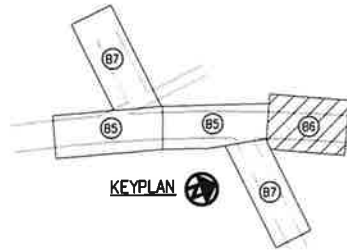
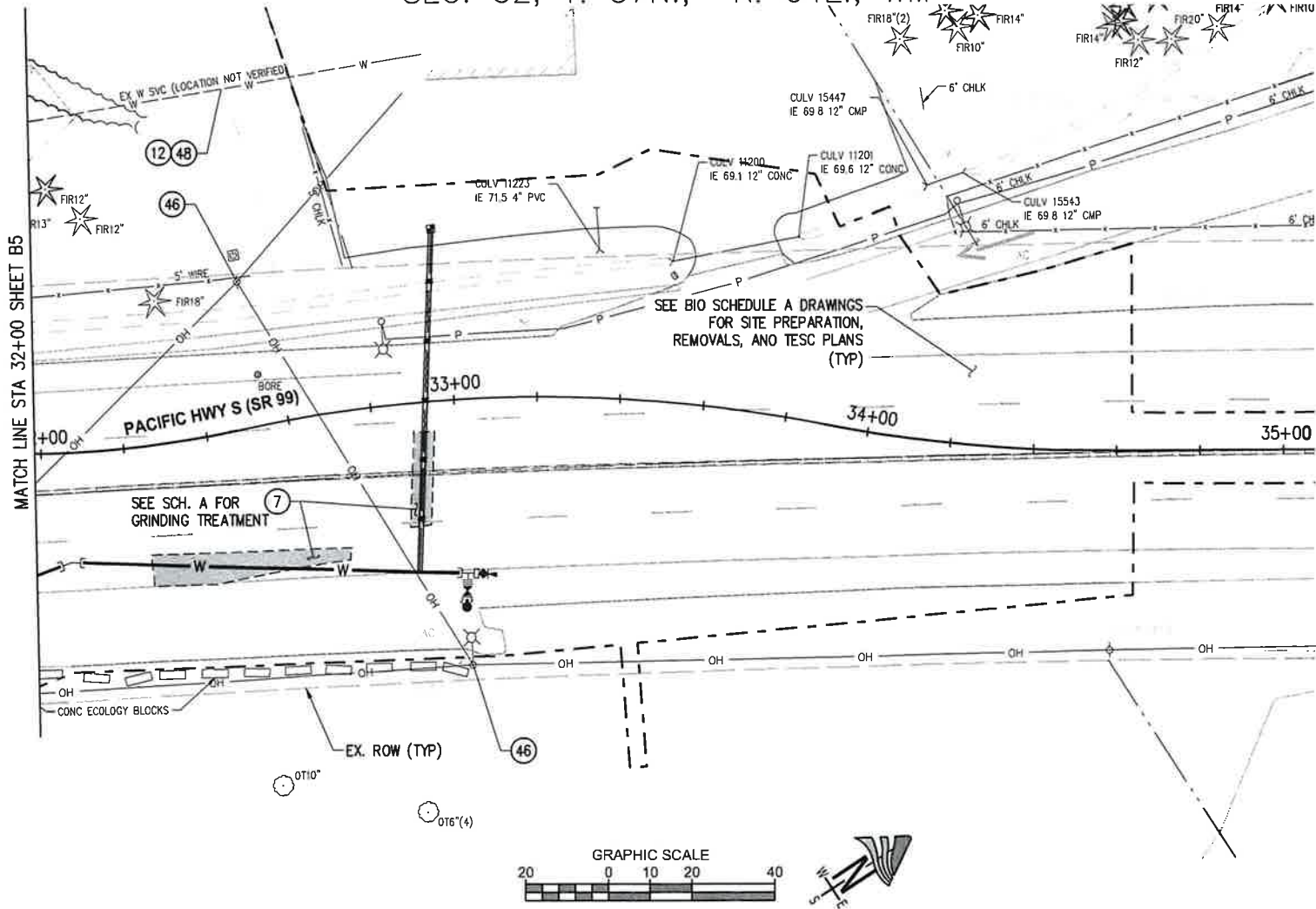
WMI-SR99/S 373RD ST ROUNDABOUT

SITE PREPARATION, REMOVALS & TESC PLAN
(BID SCHEDULE B)

CITY PROJECT #:
36224
SHT. **B5**
OF **B29**

J:\P\W\LAKEHAVEN\B\AK040100-2023-2025 On-Call\B\AK040111 - 2025 WMI Pacific Highway South (SR 99) & S. 373rd St\ACADD\SheetFiles\B\AK040111SP01.dwg, 9/25/2026

SEC. 32, T. 37N., R. 04E., WM



GENERAL NOTES

1. ALL WATER MAIN REMOVALS SHALL OCCUR PER THE CONTRACT AND AS SHOWN ON PLANS UNLESS BOTH THE COFW AND LWSO DETERMINE REMOVAL OF THE EXISTING WATER MAIN WILL CAUSE UNDUE DISRUPTION TO EXISTING CONDITIONS. IN THIS SCENARIO, THE CONTRACTOR MUST OBTAIN WRITTEN APPROVAL FROM THE COFW AND LWSO TO NOT REMOVE THE WATER MAIN AND SHALL DECOMMISSION IT IN PLACE PER LWSO STD PLAN 1010.
2. SEE SHEET B3-B4 FOR REMAINING TESC GENERAL NOTES.
3. SEE SCHEDULE A SPECIAL PROVISIONS 8-01 FOR EROSION AND WATER POLLUTION CONTROL.

SITE PREPARATION, REMOVALS & TESC NOTES

- 7 SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT, FULL DEPTH.
- 12 REMOVE EXISTING WATER METER, METER BOX, SETTER AND SERVICE LINE. THE EXISTING WATER METER SHALL BE REINSTALLED AS PART OF NEW SERVICE CONNECTION. SEE WATER PLAN SHEETS FOR FINAL METER LOCATIONS AND NEW SERVICE CONNECTION TREATMENT.
- 46 EXISTING POLE BEING REMOVED (BY OTHERS). SEE APPENDIX G FOR NEW POLE LOCATIONS. CONTRACTOR SHALL COORDINATE BID SCHEDULE B AND UTILITY RELOCATION WORK BY OTHERS INCLUDING SCHEDULING AND SEQUENCING.
- 48 PRIOR TO REMOVAL OF THIS WATER SERVICE AND DISRUPTION OF SERVICE, PROVIDE 10 WORKING DAYS NOTICE TO PROPERTY OWNER AT 37213 PACIFIC HWY S.

LEGEND

	REMOVE GRAVEL		REMOVE DECIDUOUS TREE
	REMOVE ASPHALT PAVEMENT FULL DEPTH		REMOVE BUSH/SHRUB
	ASPHALT PAVEMENT GRIND (SEE SHEET B19 FOR DEPTHS)		PAVING LIMITS
	CLEAR AND GRUB		SAWCUT LINE
	ABANDON PIPE		HIGH VISIBILITY SILT FENCE
	PIPE REMOVAL		BIOFILTER BAGS (SEE DETAIL, SHEET B4)
	GUARDRAIL REMOVAL		PROPOSED WATER MAIN (SEE SHEETS B8-B12)
	SCHEDULE A TESC PLAN AREA		

PSOMAS

3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.286.1640
www.psomas.com



DRAFTED: DPY
DESIGNED: AJO
REVIEWED: SOD
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

WMI-SR99/S 373RD ST ROUNDABOUT

SITE PREPARATION, REMOVALS & TESC PLAN
(BID SCHEDULE B)

BID DOCUMENT

CITY PROJECT #:
36224

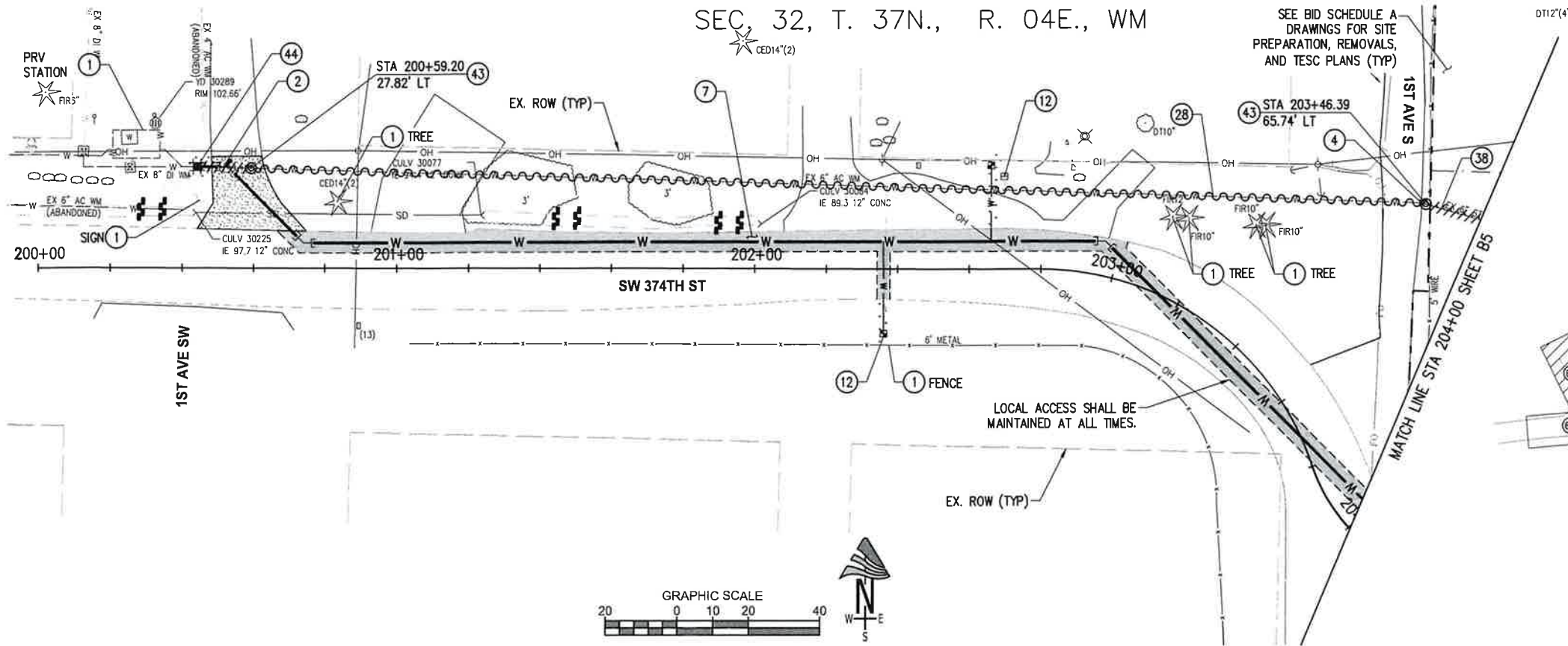
SHT. B6
OF B29

J:\PNW\LAKEHAVEN\B1\AK040100-2023-2025 On-Cali\B1\AK040111 - 2025 WMI Pacific Highway South (SR 99) & S. 373rd St\CAD\SheetFiles\B1\AK040111SP01.dwg, 8/25/2026

SEC. 32, T. 37N., R. 04E., WM

SEE BID SCHEDULE A
DRAWINGS FOR SITE
PREPARATION, REMOVALS,
AND TESC PLANS (TYP)

DT12"(4)



GENERAL NOTES

1. ALL WATER MAIN REMOVALS SHALL OCCUR PER THE CONTRACT AND AS SHOWN ON PLANS UNLESS BOTH THE COFW AND LWSO DETERMINE REMOVAL OF THE EXISTING WATER MAIN WILL CAUSE UNDUE DISRUPTION TO EXISTING CONDITIONS. IN THIS SCENARIO, THE CONTRACTOR MUST OBTAIN WRITTEN APPROVAL FROM THE COFW AND LWSO TO NOT REMOVE THE WATER MAIN AND SHALL DECOMMISSION IT IN PLACE PER LWSO STD PLAN 1D1D.
2. SEE SHEET B3-B4 FOR REMAINING TESC GENERAL NOTES.
3. SEE SCHEDULE A SPECIAL PROVISIONS 8-D1 FOR EROSION AND WATER POLLUTION CONTROL.

SITE PREPARATION, REMOVALS & TESC NOTES

- 1 PRESERVE AND PROTECT.
- 2 REMOVE EXISTING AC WATER MAIN. LOCATION SHOWN IS APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND CLOSEST JOINT AT CONNECTION POINTS.
- 4 REMOVE EXISTING WATER VALVE(S) AND APPURTENANCES.
- 7 SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT, FULL DEPTH.
- 12 REMOVE EXISTING WATER METER, METER BOX, SETTER AND SERVICE LINE. THE EXISTING WATER METER SHALL BE REINSTALLED AS PART OF NEW SERVICE CONNECTION. SEE WATER PLAN SHEETS FOR FINAL METER LOCATIONS AND NEW SERVICE CONNECTION TREATMENT.
- 28 ABANDON EXISTING WATER MAIN IN PLACE PER LWSO STD PLAN 1D1D.
- 38 REMOVE EXISTING STEEL WATER MAIN. LOCATION SHOWN IS APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND CLOSEST JOINT AT CONNECTION POINTS.
- 39 REMOVE EXISTING AC WATER MAIN. LOCATION SHOWN IS APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND CLOSEST JOINT AT CONNECTION POINTS. CONTRACTOR SHALL STAKE CLEAR AND GRUB LIMITS AS SHOWN IN PLANS AND NO WORK, LABORERS, EQUIPMENT AND/OR MATERIALS SHALL GO BEYOND THESE LIMITS. CONTRACTOR SHALL VACUUM EXCAVATE AND/OR HAND EXCAVATE AS TO NOT EXTEND OUTSIDE LIMITS. IF IT IS IDENTIFIED DURING CONSTRUCTION THAT THE EXISTING WATER MAIN IS WITHIN THE WETLAND LIMITS, THEN CITY/DISTRICT MAY CONSIDER ABANDONMENT IN PLACE PER GENERAL NOTE 1 ABOVE.
- 40 REMOVE EXISTING 6" ABANDONED STEEL WATER MAIN WHERE IN CONFLICT WITH NEW IMPROVEMENTS OR REMOVAL OF EX. AC WATER MAIN. CAP EXPOSED ENDS OF STEEL TO REMAIN.
- 43 INSTALL LOCATE STATIONS PER LWSO STD DETAIL 1D1D AT MAXIMUM 300' INTERVALS.
- 44 REMOVE EXISTING DI WATER MAIN. LOCATION SHOWN IS APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND CLOSEST JOINT AT CONNECTION POINTS.
- 49 PRIOR TO REMOVAL OF THIS WATER SERVICE AND DISRUPTION OF SERVICE, PROVIDE 10 WORKING DAYS NOTICE TO PROPERTY OWNER AT 215 S 373RD ST.
- 52 CONTRACTOR SHALL HYDROEXCAVATE EXISTING WATER MAIN WHEN ADJACENT TO DELINEATED WETLAND AREA.

LEGEND

	REMOVE GRAVEL		REMOVE DECIDUOUS TREE
	REMOVE ASPHALT PAVEMENT FULL DEPTH		REMOVE BUSH/SHRUB
	ASPHALT PAVEMENT GRIND (SEE SHEET B19 FOR DEPTHS)		PAVING LIMITS
	CLEAR AND GRUB		SAWCUT LINE
	ABANDON PIPE		HIGH VISIBILITY SILT FENCE
	PIPE REMOVAL		BIOFILTER BAGS (SEE DETAIL, SHEET B4)
	GUARDRAIL REMOVAL		PROPOSED WATER MAIN (SEE SHEETS B8-B12)
	SCHEDULE A TESC PLAN AREA		

PSOMAS

3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.286.1640
www.psomas.com



33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.CITYOFFEDERALWAY.COM



Know what's below.
Call before you dig.

DRAFTED: DPY
DESIGNED: AJO
REVIEWED: SOD
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

WMI-SR99/S 373RD ST ROUNDABOUT

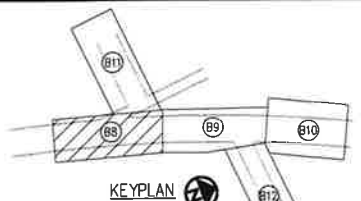
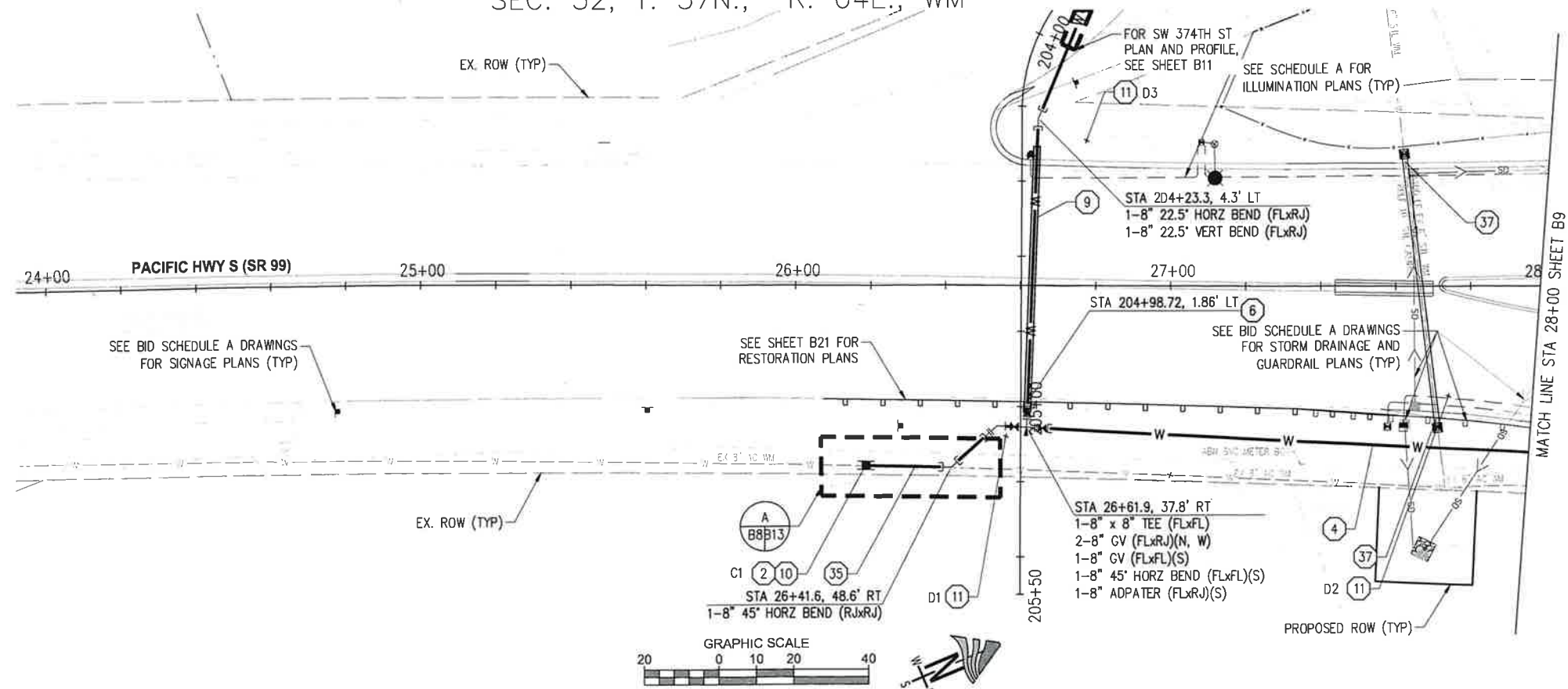
SITE PREPARATION, REMOVALS & TESC PLAN
(BID SCHEDULE B)

BID DOCUMENT

CITY PROJECT #:
36224

SHT. B7
OF B29

SEC. 32, T. 37N., R. 04E., WM



GENERAL NOTES

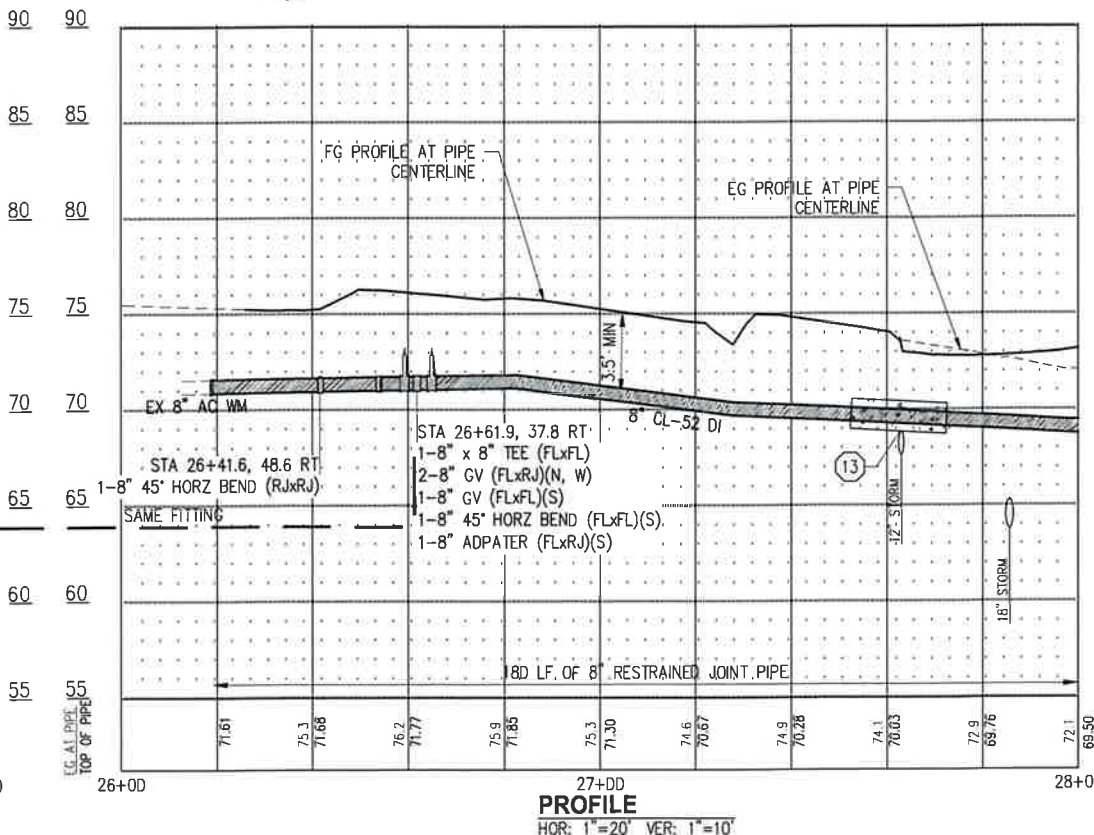
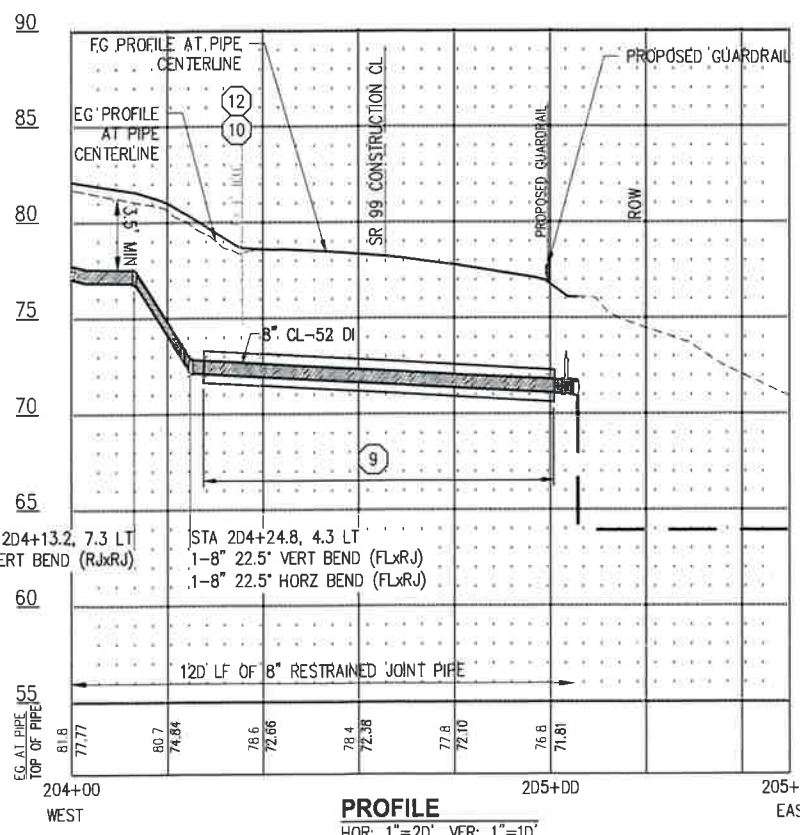
1. FOR WATERMAIN FACILITY REMOVALS AND ASBESTOS CEMENT ABATEMENT, SEE SITE PREPARATION, REMOVALS, AND TESC PLANS, SHEETS B5-B7 AND CONSTRUCTION SEQUENCING PLANS SHEETS B15-B18.
2. WHERE 9" VERTICAL SEPARATION AND/OR CROSSING OF DRY UTILITIES IS NOT ACHIEVABLE, INSTALL ETHAFOAM/POLYETHYLENE PAD BETWEEN UTILITIES. SEE LWSO STD DETAIL 100D.2.
3. SEE BID SCHEDULE A DRAWINGS FOR ROADWAY PLAN & PROFILES, STORM DRAINAGE, ILLUMINATION PLANS, AND OTHER WORK RELATED TO BID SCHEDULE A.
4. FOR REMAINING GENERAL NOTES, SEE SHEETS B3-B4.

CONSTRUCTION NOTES

2. CONNECT TO EXISTING AC WATER MAIN WITH DI TO AC TRANSITION COUPLING PER LWSO STD PLAN 1001. SEE WATER CONNECTION DETAILS SHEETS.
4. DEFLECT PIPE JOINTS TO ACHIEVE PIPE ALIGNMENT SHOWN. SEE GENERAL WATER NOTE 4, SHEET B3.
6. PLACE CARSONITE MARKER OVER WATER MAIN AFTER PRESSURE TESTING IS COMPLETE AND PRIOR TO GUARDRAIL RECONSTRUCTION.
9. INSTALL 8D LF OF 18" STEEL CASING WITH SPACERS PER LWSO STD PLAN 1007.
10. CONTRACTOR TO POTHOLE UTILITY PRIOR TO CONSTRUCTION. FOR EXISTING POT HOLE UTILITY LOCATION AND INFORMATION, SEE POT HOLE PLAN, SHEET B24.
11. FOR EXISTING UTILITY LOCATION, TYPE, AND DEPTH INFORMATION, SEE POT HOLE PLAN, SHEET B24.
12. UTILITY CROSSING. SEE GENERAL NOTE 1D, SHEET B4.
13. UTILITY CROSSING. ENCASE WATER MAIN IN PUMPABLE FLOWABLE CONTROLLED DENSITY FILL (CDF) PER LWSO 10DD.2. PROVIDE MIN 6" VERT CLEARANCE EXCEPT WHERE SHOWN OTHERWISE, TYP.
35. CONTRACTOR SHALL STAKE RIGHT-OF-WAY AND HYDROEXCAVATE WATER MAIN BETWEEN CONNECTION TO EXISTING AND 45" BEND.
37. CONSTRUCT 10" DUCTILE IRON EXTENSION TO 10" STEEL CASING PIPE SEE DETAIL, SHEET B2D.

WATER LEGEND

- Gate Valve (PER LWSO STD PLAN 1002)
- LONG SLEEVE COUPLING (DI TO DI/PVC PER LWSO STD PLAN 10D1)
- TRANSITION COUPLING (AC TO DI PER LWSO STD PLAN 10D1)
- 11 1/2" BEND
- 22 1/2" BEND
- 45" BEND
- TEE
- REDUCER
- CAP
- FLANGE JOINT (FL)
- WATER METER (PER LWSO STD PLAN 12D0/12D1)
- APPROXIMATE LOCATE STATION (PER LWSO STD PLAN 10D1)
- FIRE HYDRANT (PER LWSO STD PLAN 11D0)
- RESTRAINED MECHANICAL JOINT (RJ, MJ)
- THRUST BLOCK (PER LWSO STD PLAN 10D3)
- THRUST COLLAR (PER LWSO STD PLAN 10D5)
- AIR AIR VACUUM VALVE ASSEMBLY (PER LWSO STD PLAN 12D3.1/12D3.2)
- CDF ENCASEMENT OF WATER MAIN (PER LWSO STD PLAN 10DD.2)
- EX WATER (LOCATED)
- EX WATER (RECORD)
- PROPOSED WATER MAIN
- PROPOSED WATER SERVICE
- RESTRAINED JOINT LIMITS (PROFILE VIEW)



PSOMAS

3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.286.1640
www.psomas.com

PROFILE
HOR: 1"=20' VER: 1"=10'

PROFILE
HOR: 1"=20' VER: 1"=10'

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.CITYOFFEDERALWAY.COM

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

DRAFTED: DPY
DESIGNED: AJO
REVIEWED: SOD
APPROVED:



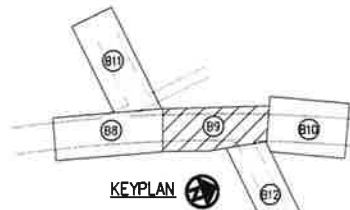
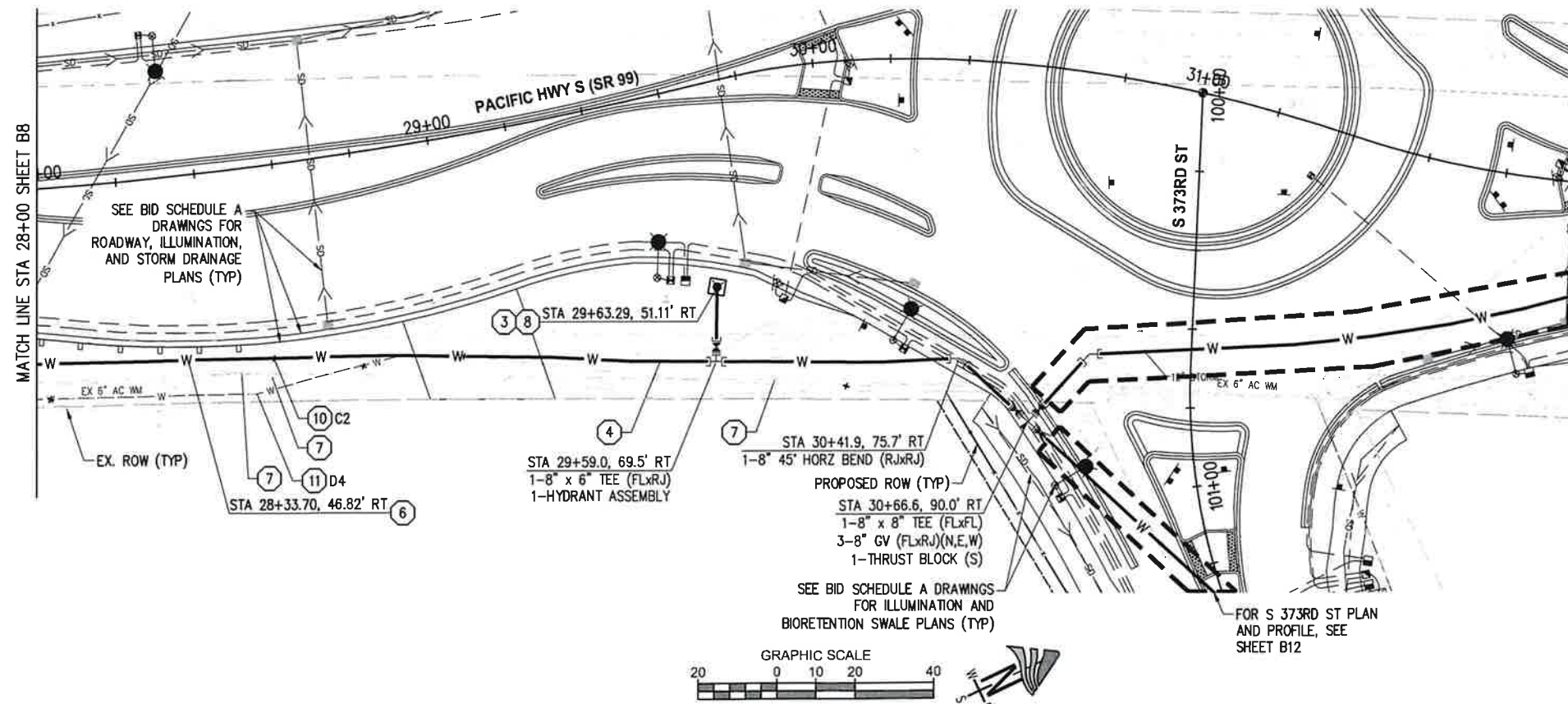
DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

WMI-SR99/S 373RD ST ROUNDABOUT

WATER MAIN PLAN & PROFILE
PACIFIC HIGHWAY S - STA 24+00 TO STA 28+00
(BID SCHEDULE B)

CITY PROJECT #:	36224
SHT.	B8
OF	B29

UNOFFICIAL COPY Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com



GENERAL NOTES

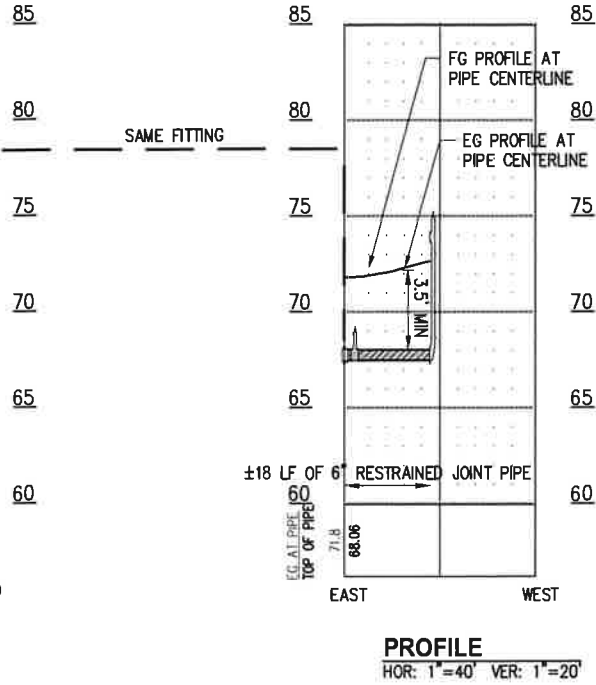
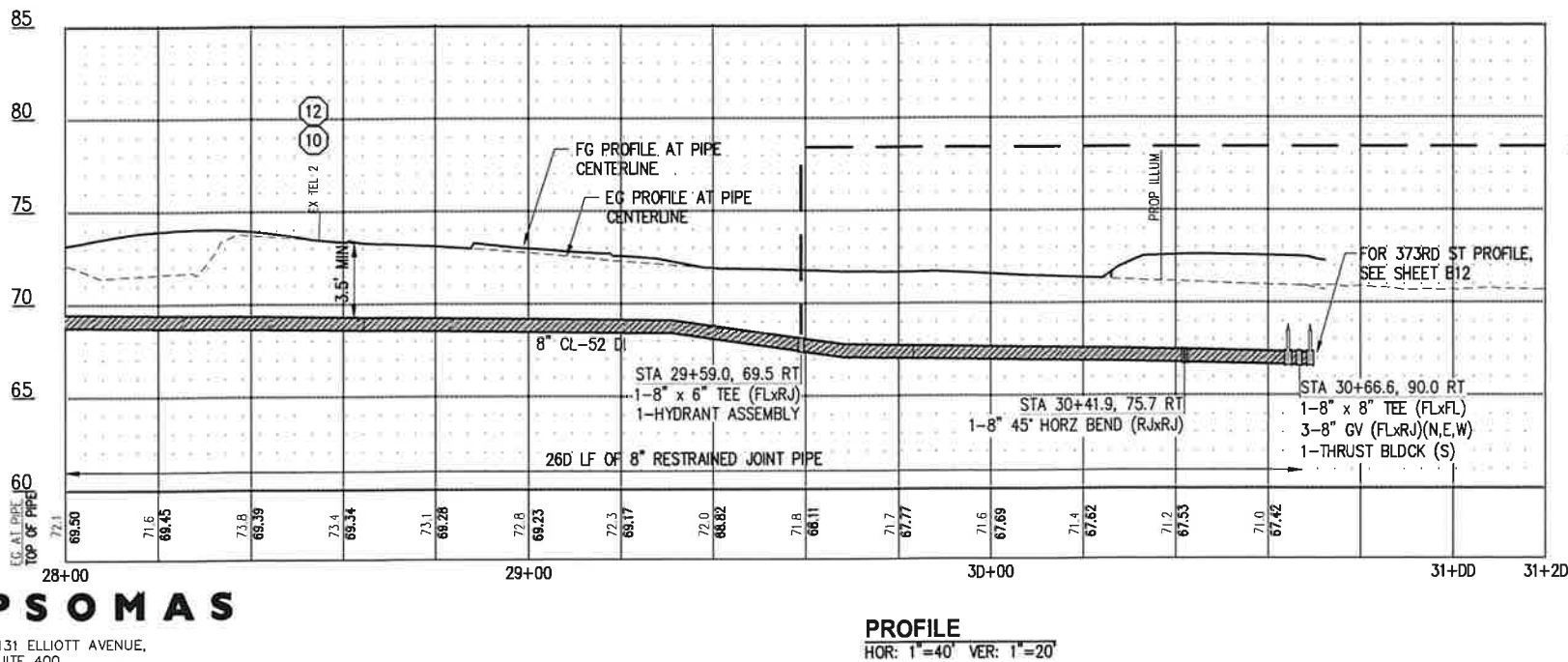
1. FOR WATERMAIN FACILITY REMOVALS AND ASBESTOS CEMENT ABATEMENT, SEE SITE PREPARATION, REMOVALS, AND TESC PLANS, SHEETS B5-B7 AND CONSTRUCTION SEQUENCING PLANS SHEETS B15-B18.
2. WHERE 9" VERTICAL SEPARATION AND/OR CROSSING OF DRY UTILITIES IS NOT ACHIEVABLE, INSTALL ETHAFOAM/POLYETHYLENE PAD BETWEEN UTILITIES. SEE LWSO STD DETAIL 100D.2.
3. SEE BID SCHEDULE A DRAWINGS FOR ROADWAY PLAN & PROFILES, STORM DRAINAGE, ILLUMINATION PLANS, AND OTHER WORK RELATED TO BID SCHEDULE A.
4. FOR REMAINING GENERAL NOTES, SEE SHEETS B3-B4.

CONSTRUCTION NOTES

3. INSTALL NEW FIRE HYDRANT ASSEMBLY PER LWSO STD PLAN 1100.1.
4. DEFLECT PIPE JOINTS TO ACHIEVE PIPE ALIGNMENT SHOWN. SEE GENERAL WATER NOTE 4, SHEET B3.
6. PLACE CARSONITE MARKER OVER WATER MAIN AFTER PRESSURE TESTING IS COMPLETE AND PRIOR TO GUARDRAIL RECONSTRUCTION.
7. SUPPORT UTILITY POLE DURING TRENCH EXCAVATION. COORDINATE WITH PSE FOR POLE SUPPORT OR UTILITY FOR SUPPORT DURING TRENCHING OPERATIONS.
8. INSTALL CEMENT CONCRETE PAD SURROUNDING HYDRANT AND/OR VALVE BOX(ES) PER LWSO STD PLAN 1100.2. WHERE HYDRANT AND VALVE BOX PADS ARE LESS THAN 24" APART CONNECT AND INSTALL IN ONE CONCRETE POUR. SHAPE CEMENT CONC. HYDRANT PAD TO EXISTING GROUND CONTOURS TO MAINTAIN DRAINAGE. SET HYDRANT PAD FLUSH WITH EXISTING GROUND.
10. CONTRACTOR TO POTHOLE UTILITY PRIOR TO CONSTRUCTION. FOR EXISTING POTHOLE UTILITY LOCATION AND INFORMATION, SEE POTHOLE PLAN, SHEET B24.
11. FOR EXISTING UTILITY LOCATION, TYPE, AND DEPTH INFORMATION, SEE POTHOLE PLAN, SHEET B24.
12. UTILITY CROSSING. SEE GENERAL NOTE 1D, SHEET B4.

WATER LEGEND

- GATE VALVE (PER LWSO STD PLAN 1002)
- LONG SLEEVE COUPLING (DI TO DI/PVC PER LWSO STD PLAN 1001)
- TRANSITION COUPLING (AC TO DI PER LWSO STD PLAN 1001)
- 11 1/4" BEND
- 22 1/2" BEND
- 45° BEND
- TEE
- REDUCER
- CAP
- FLANGE JOINT (FL)
- WATER METER (PER LWSO STD PLAN 1200/1201)
- APPROXIMATE LOCATE STATION (PER LWSO STD PLAN 1011)
- FIRE HYDRANT (PER LWSO STD PLAN 1100)
- RESTRAINED MECHANICAL JOINT (RJ, MJ)
- THRUST BLOCK (PER LWSO STD PLAN 1003)
- THRUST COLLAR (PER LWSO STD PLAN 1005)
- AIR AIR VACUUM VALVE ASSEMBLY (PER LWSO STD PLAN 1203.1/1203.2)
- CDF ENCASUREMENT OF WATER MAIN (PER LWSO STD PLAN 1000.2)
- EX WATER (LOCATED)
- EX WATER (RECORD)
- PROPOSED WATER MAIN
- PROPOSED WATER SERVICE
- RESTRAINED JOINT LIMITS (PROFILE VIEW)



PSOMAS

3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.286.1640
www.psomas.com

CITY OF
Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.CITYOFFEDERALWAY.COM



DRAFTED: DPY
DESIGNED: AJO
REVIEWED: SOD
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

WMI-SR99/S 373RD ST ROUNDABOUT

WATER MAIN PLAN & PROFILE
PACIFIC HIGHWAY S – STA 28+00 TO STA 32+00
(BID SCHEDULE B)

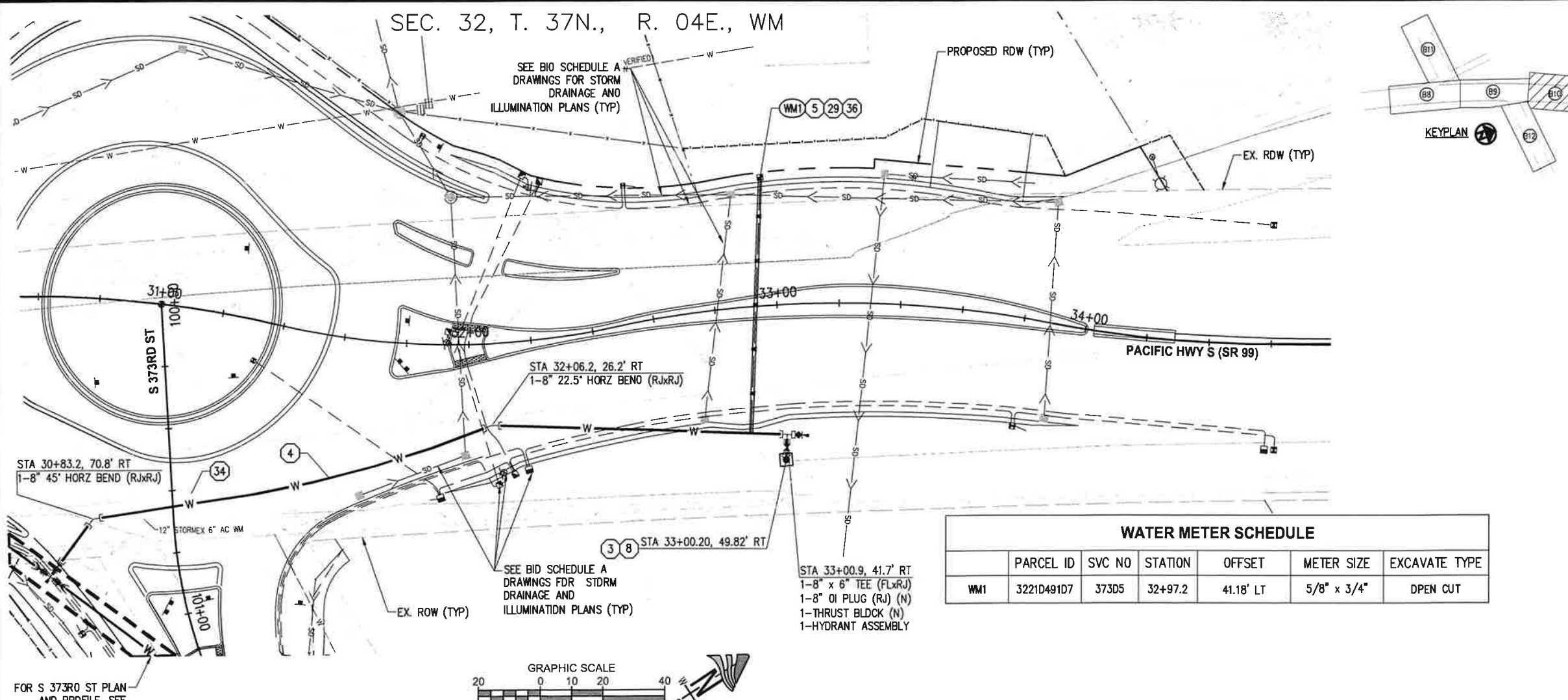
CITY PROJECT #:

36224

SHT. B9

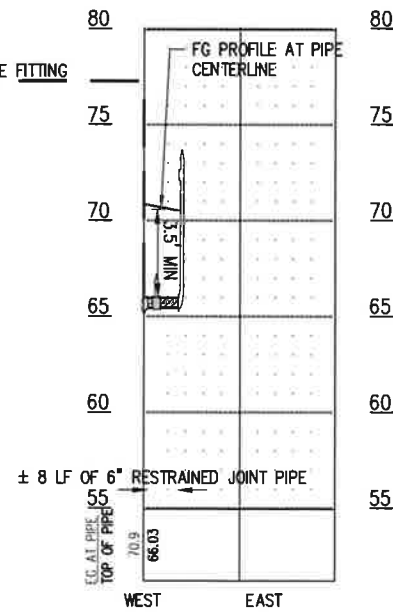
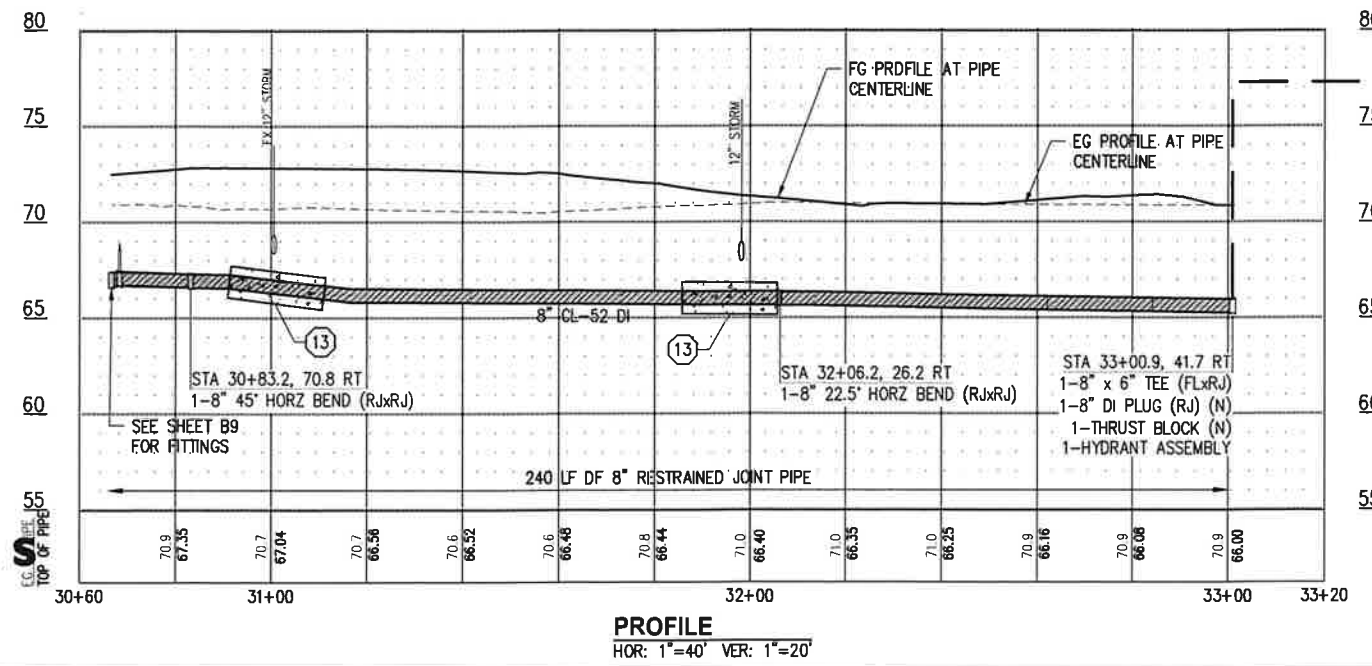
OF B29

J:\P\W\LAKEHAVEN\B\AK040100-2023-2025 On-Call\AK040111 - 2025 WMI Pacific Highway South (SR 99) & S. 373rd St\ACD\Sheet\AK040111\PLR\WATRO2.dwg, 8/25/2026



WATER METER SCHEDULE						
	PARCEL ID	SVC NO	STATION	OFFSET	METER SIZE	EXCAVATE TYPE
WM1	3221D491D7	373D5	32+97.2	41.18' LT	5/8" x 3/4"	OPEN CUT

- GENERAL NOTES**
- FOR WATERMAIN FACILITY REMOVALS AND ASBESTOS CEMENT ABATEMENT, SEE SITE PREPARATION, REMOVALS, AND TESC PLANS, SHEETS B5-B7 AND CONSTRUCTION SEQUENCING PLANS SHEETS B15-B18.
 - WHERE 9" VERTICAL SEPARATION AND/OR CROSSING OF DRY UTILITIES IS NOT ACHIEVABLE, INSTALL ETHAFDAM/POLYETHYLENE PAD BETWEEN UTILITIES. SEE LWSO STD DETAIL 1000.2.
 - SEE BID SCHEDULE A DRAWINGS FOR ROADWAY PLAN & PROFILES, STORM DRAINAGE, ILLUMINATION PLANS, AND OTHER WORK RELATED TO BID SCHEDULE A.
 - FOR REMAINING GENERAL NOTES, SEE SHEETS B3-B4.
- CONSTRUCTION NOTES**
- INSTALL NEW FIRE HYDRANT ASSEMBLY PER LWSO STD PLAN 1100.1.
 - DEFLECT PIPE JOINTS TO ACHIEVE PIPE ALIGNMENT SHOWN. SEE GENERAL WATER NOTE 4, SHEET B3.
 - INSTALL WATER METER AND NEW 5/8" x 3/4" WATER SERVICE CONNECTION PER LWSO STD PLAN 1200.1 & 1200.2. CONTRACTOR SHALL INSTALL NEW METER BOX WITHIN RIGHT OF WAY (WHEN APPLICABLE) AND CONNECT NEW METER SETTER TO EXISTING CUSTOMER SERVICE LINE BEYOND NEW METER SETTER. SEE WATER METER SCHEDULE FOR LOCATIONS AND METER SIZES. WHERE SERVICE LINE IS NOT PERPENDICULAR TO THE MAIN, INSTALL WIRE ALONG FULL SERVICE LINE.
 - INSTALL CEMENT CONCRETE PAD SURROUNDING HYDRANT AND/OR VALVE BOX(ES) PER LWSO STD PLAN 1100.2. WHERE HYDRANT AND VALVE BOX PADS ARE LESS THAN 24" APART CONNECT AND INSTALL IN ONE CEMENT POUR. SHAPE CEMENT CONC. HYDRANT PAD TO EXISTING GROUND CONTOURS TO MAINTAIN DRAINAGE. SET HYDRANT PAD FLUSH WITH EXISTING GROUND.
 - UTILITY CROSSING. ENCASE WATER MAIN IN PUMPABLE FLOWABLE CONTROLLED DENSITY FILL (CDF) PER LWSO 1000.2. PROVIDE MIN 6" VERT CLEARANCE EXCEPT WHERE SHOWN OTHERWISE, TYP.
 - PRIVATE PROPERTY OWNER WILL CONSTRUCT CUSTOMER SUPPLY LINE TO RDW LINE. COORDINATE WITH OWNER ON SCHEDULE OF WORK TO MAKE FINAL CONNECTION.
 - CCTV AND SURFACE LOCATE EXISTING STORM MAIN 200' NORTH OF CATCH BASIN AT LEAST 10 DAYS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REPORT TO DISTRICT ANY KNOWN CONFLICT BETWEEN EXISTING STORM AND PROPOSED WATER MAIN.
 - CONSTRUCT NEW 2" SERVICE LINE PER LWSO STD PLAN 1201.1 & 1201.2 IN 4" PVC C900 CASING WITH SPACERS LOCATED AT 10' ON CENTER. FILL VOIDS WITH SAND AND INSTALL CASING SEALS ON BOTH ENDS.



- WATER LEGEND**
- GATE VALVE (PER LWSO STD PLAN 1002)
 - LONG SLEEVE COUPLING (DI TO DI/PVC PER LWSO STD PLAN 1001)
 - TRANSITION COUPLING (AC TO DI PER LWSO STD PLAN 1001)
 - 11 1/2" BEND
 - 22 1/2" BEND
 - 45° BEND
 - TEE
 - REDUCER
 - CAP
 - FLANGE JOINT (FL)
 - WATER METER (PER LWSO STD PLAN 1200/1201)
 - APPROXIMATE LOCATE STATION (PER LWSO STD PLAN 1011)
 - FIRE HYDRANT (PER LWSO STD PLAN 1100)
 - RESTRAINED MECHANICAL JOINT (RJ, MJ)
 - THRUST BLOCK (PER LWSO STD PLAN 1003)
 - THRUST COLLAR (PER LWSO STD PLAN 1005)
 - AIR AIR VACUUM VALVE ASSEMBLY (PER LWSO STD PLAN 1203.1/1203.2)
 - COF ENCASEMENT OF WATER MAIN (PER LWSO STD PLAN 1000.2)
 - EX WATER (LOCATED)
 - EX WATER (RECORD)
 - PROPOSED WATER MAIN
 - PROPOSED WATER SERVICE
 - RESTRAINED JOINT LIMITS (PROFILE VIEW)

PSOMAS

3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.286.1640
www.psomas.com

CITY OF Federal Way
Centered on Opportunity

33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.CITYOFFEDERALWAY.COM

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

DRAFTED: DPY
DESIGNED: AJO
REVIEWED: SOD
APPROVED:

JEFFREY M. FERGUSON
PROFESSIONAL ENGINEER
NO. 111111
8-11-2023

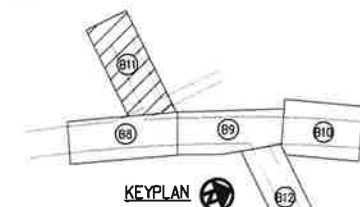
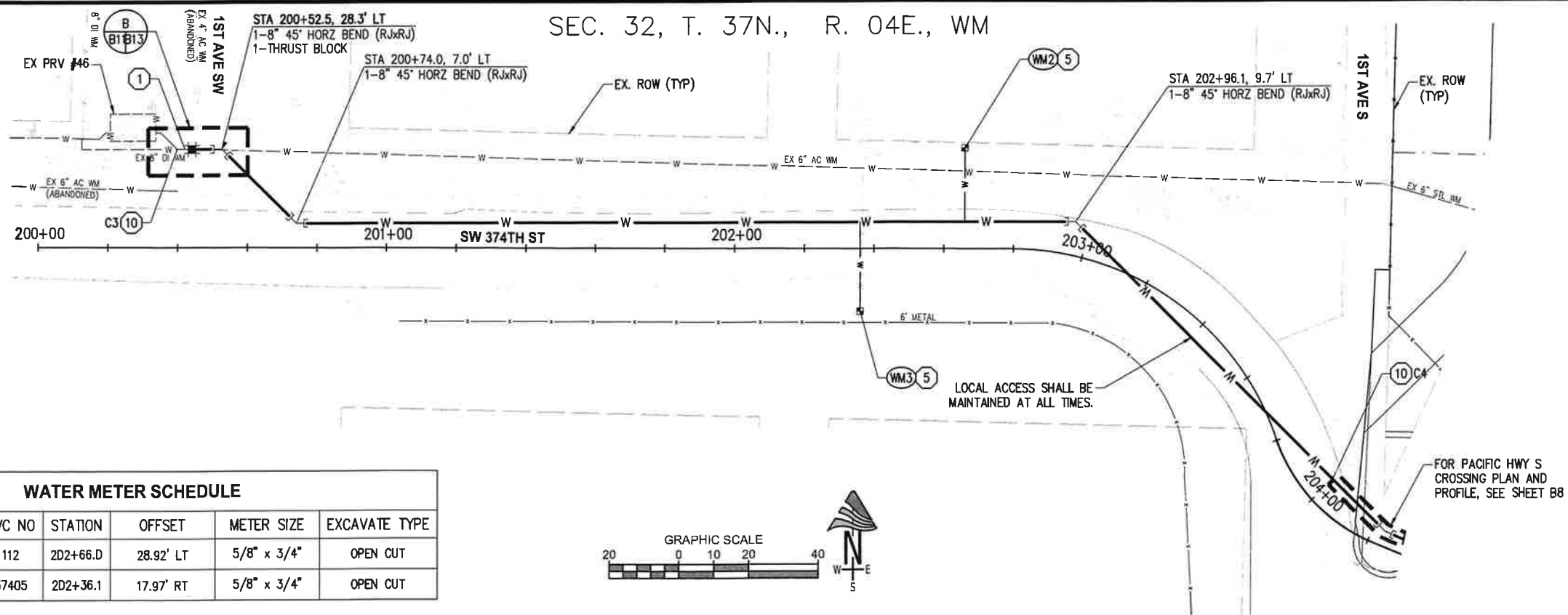
DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

WMI-SR99/S 373RD ST ROUNDABOUT

WATER MAIN PLAN & PROFILE
PACIFIC HIGHWAY S - STA 31+50 TO STA 33+00
(BID SCHEDULE B)

CITY PROJECT #: 36224

SHT. B10
OF B29



GENERAL NOTES

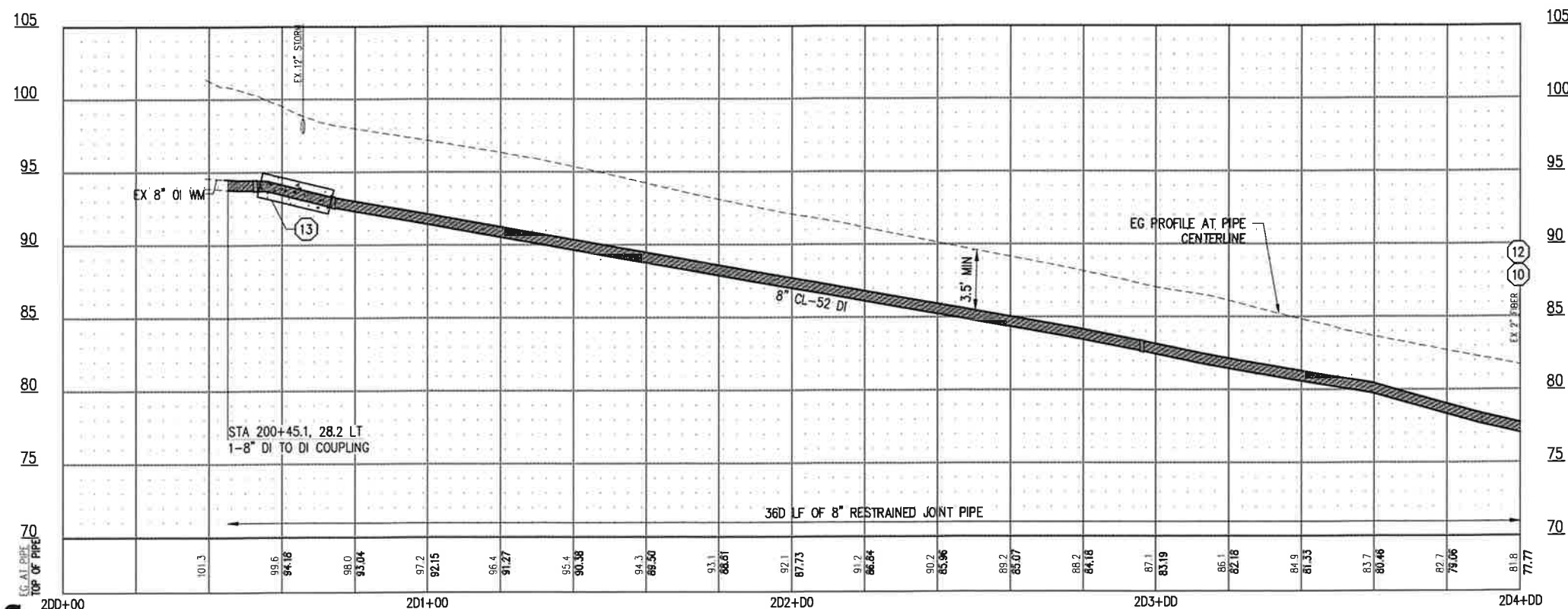
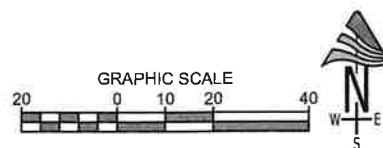
- FOR WATERMAIN FACILITY REMOVALS AND ASBESTOS CEMENT ABATEMENT, SEE SITE PREPARATION, REMOVALS, AND TESC PLANS, SHEETS B5-B7 AND CONSTRUCTION SEQUENCING PLANS SHEETS B15-B18.
- WHERE 9" VERTICAL SEPARATION AND/OR CROSSING OF DRY UTILITIES IS NOT ACHIEVABLE, INSTALL ETHAFOAM/POLYETHYLENE PAD BETWEEN UTILITIES. SEE LWSO STD DETAIL 1000.2.
- SEE BID SCHEDULE A DRAWINGS FOR ROADWAY PLAN & PROFILES, STORM DRAINAGE, ILLUMINATION PLANS, AND OTHER WORK RELATED TO BID SCHEDULE A.
- FOR REMAINING GENERAL NOTES, SEE SHEETS B3-B4.

CONSTRUCTION NOTES

- CONNECT TO EXISTING DI WATER MAIN PER LWSO STD PLAN 10D1. SEE WATER CONNECTION DETAIL SHEETS.
- INSTALL WATER METER AND NEW 5/8" X 3/4" WATER SERVICE CONNECTION PER LWSO STD PLAN 12D0.1 & 12D0.2. CONTRACTOR SHALL INSTALL NEW METER BOX WITHIN RIGHT OF WAY (WHEN APPLICABLE) AND CONNECT NEW METER SETTER TO EXISTING CUSTOMER SERVICE LINE BEYOND NEW METER SETTER. SEE WATER METER SCHEDULE FOR LOCATIONS AND METER SIZES. WHERE SERVICE LINE IS NOT PERPENDICULAR TO THE MAIN, INSTALL WIRE ALONG FULL SERVICE LINE.
- CONTRACTOR TO POTHOLE UTILITY PRIOR TO CONSTRUCTION. FOR EXISTING POTHOLE UTILITY LOCATION AND INFORMATION, SEE POTHOLE PLAN, SHEET B24.
- UTILITY CROSSING. SEE GENERAL NOTE 10, SHEET B4.
- UTILITY CROSSING. ENCASE WATER MAIN IN PUMPABLE FLOWABLE CONTROLLED DENSITY FILL (COF) PER LWSO 1000.2. PROVIDE MIN 6" VERT CLEARANCE EXCEPT WHERE SHOWN OTHERWISE, TYP.

WATER METER SCHEDULE

	PARCEL ID	SVC NO	STATION	OFFSET	METER SIZE	EXCAVATE TYPE
WM2	21882D3365	112	2D2+66.D	28.92' LT	5/8" x 3/4"	OPEN CUT
WM3	21882D42D5	37405	2D2+36.1	17.97' RT	5/8" x 3/4"	OPEN CUT



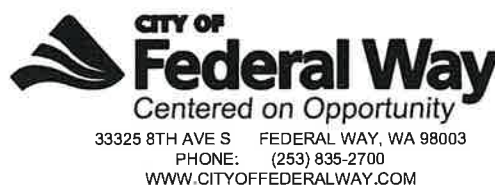
WATER LEGEND

	GATE VALVE (PER LWSO STD PLAN 1002)
	LONG SLEEVE COUPLING (DI TO DI/PVC PER LWSO STD PLAN 10D1)
	TRANSITION COUPLING (AC TO DI PER LWSO STD PLAN 1001)
	11 1/2" BEND
	22 1/2" BEND
	45" BEND
	TEE
	REDUCER
	CAP
	FLANGE JOINT (FL)
	WATER METER (PER LWSO STD PLAN 1200/1201)
	APPROXIMATE LOCATE STATION (PER LWSO STD PLAN 10D1)
	FIRE HYDRANT (PER LWSO STD PLAN 11D0)
	RESTRAINED MECHANICAL JOINT (RJ, MJ)
	THRUST BLOCK (PER LWSO STD PLAN 1003)
	THRUST COLLAR (PER LWSO STD PLAN 1005)
	AIR AIR VACUUM VALVE ASSEMBLY (PER LWSO STD PLAN 1203.1/1203.2)
	CDF ENCASEMENT OF WATER MAIN (PER LWSO STD PLAN 1000.2)
	EX WATER (LOCATED)
	EX WATER (RECORD)
	PROPOSED WATER MAIN
	PROPOSED WATER SERVICE
	RESTRAINED JOINT LIMITS (PROFILE VIEW)

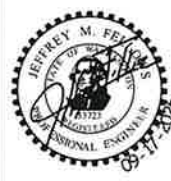
PSOMAS

3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.286.1640
www.psomas.com

PROFILE
HOR: 1"=40' VER: 1"=20'



DRAFTED: DPY
DESIGNED: AJO
REVIEWED: SOD
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

WMI-SR99/S 373RD ST ROUNDABOUT

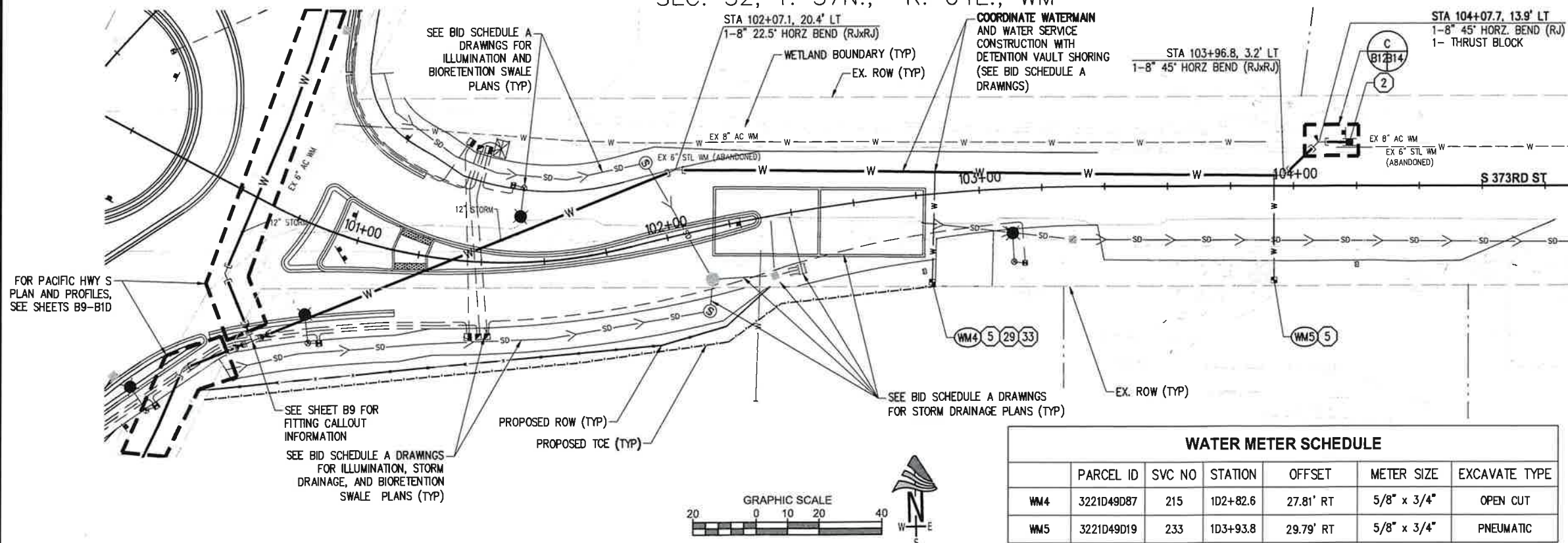
WATER MAIN PLAN & PROFILE
SW 374TH ST - STA 200+00 TO STA 204+00
(BID SCHEDULE B)

BID DOCUMENT

CITY PROJECT #:
36224

SHT. B11
OF B29

SEC. 32, T. 37N., R. 04E., WM



GENERAL NOTES

- FOR WATERMAIN FACILITY REMOVALS AND ASBESTOS CEMENT ABATEMENT, SEE SITE PREPARATION, REMOVALS, AND TESC PLANS, SHEETS B5-B7 AND CONSTRUCTION SEQUENCING PLANS SHEETS B15-B18.
- WHERE 9" VERTICAL SEPARATION AND/OR CROSSING OF DRY UTILITIES IS NOT ACHIEVABLE, INSTALL ETHAFOAM/POLYETHYLENE PAD BETWEEN UTILITIES. SEE LWSO STD DETAIL 1000.2.
- SEE BID SCHEDULE A DRAWINGS FOR ROADWAY PLAN & PROFILES, STORM DRAINAGE, ILLUMINATION PLANS, AND OTHER WORK RELATED TO BID SCHEDULE A.
- FOR REMAINING GENERAL NOTES, SEE SHEETS B3-B4.

CONSTRUCTION NOTES

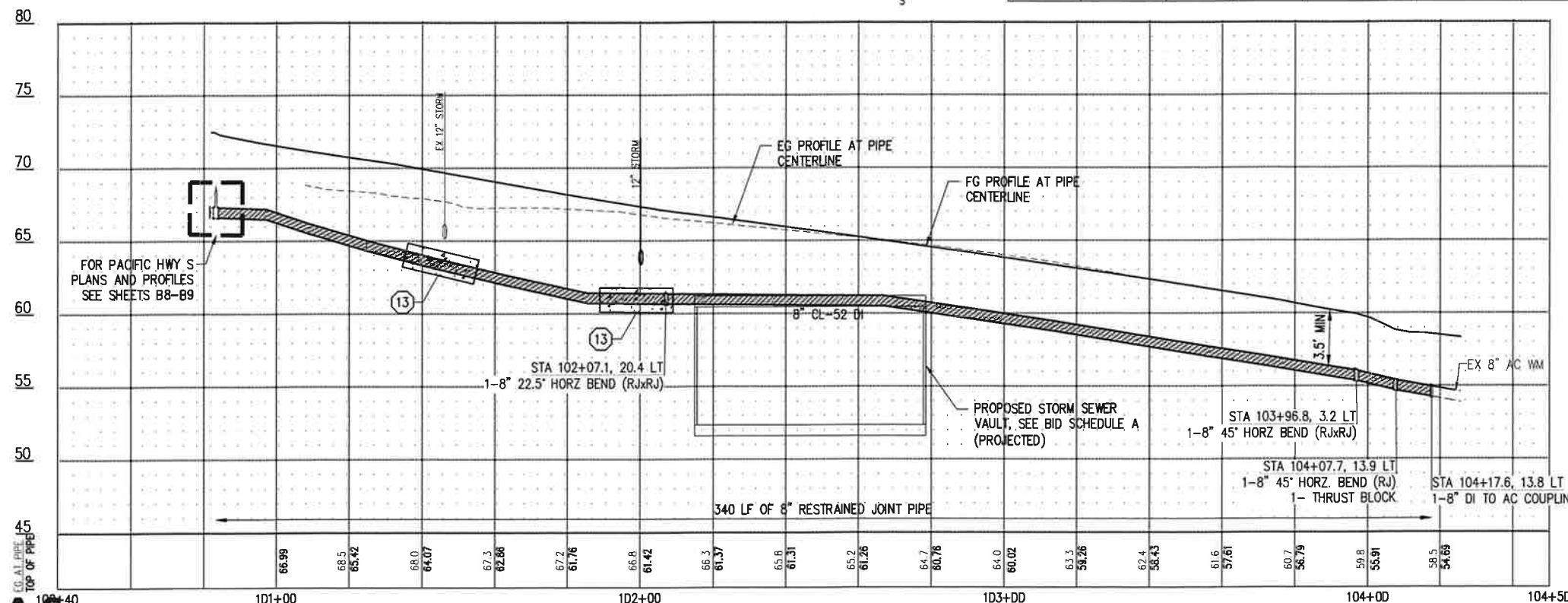
- CONNECT TO EXISTING AC WATER MAIN WITH DI TO AC TRANSITION COUPLING PER LWSO STD PLAN 1001. SEE WATER CONNECTION DETAILS SHEETS.
- INSTALL WATER METER AND NEW 5/8" X 3/4" WATER SERVICE CONNECTION PER LWSO STD PLAN 1200.1 & 1200.2. CONTRACTOR SHALL INSTALL NEW METER BOX WITHIN RIGHT OF WAY (WHEN APPLICABLE) AND CONNECT NEW METER SETTER TO EXISTING CUSTOMER SERVICE LINE BEYOND NEW METER SETTER. SEE WATER METER SCHEDULE FOR LOCATIONS AND METER SIZES. WHERE SERVICE LINE IS NOT PERPENDICULAR TO THE MAIN, INSTALL WIRE ALONG FULL SERVICE LINE.
- UTILITY CROSSING. ENCASE WATER MAIN IN PUMPABLE FLOWABLE CONTROLLED DENSITY FILL (CDF) PER LWSO 1000.2. PROVIDE MIN 6" VERT CLEARANCE EXCEPT WHERE SHOWN OTHERWISE, TYP.
- PRIVATE PROPERTY OWNER WILL CONSTRUCT CUSTOMER SUPPLY LINE TO ROW LINE. COORDINATE WITH OWNER ON SCHEDULE OF WORK TO MAKE FINAL CONNECTION.
- CONSTRUCT WATER SERVICE A MINIMUM OF 18" FROM EDGE OF VAULT.

WATER METER SCHEDULE

	PARCEL ID	SVC NO	STATION	OFFSET	METER SIZE	EXCAVATE TYPE
WM4	3221D49D87	215	102+82.6	27.81' RT	5/8" x 3/4"	OPEN CUT
WM5	3221D49D19	233	103+93.8	29.79' RT	5/8" x 3/4"	PNEUMATIC

WATER LEGEND

- ✕ GATE VALVE (PER LWSO STD PLAN 1002)
- LONG SLEEVE COUPLING (DI TO DI/PVC PER LWSO STD PLAN 1001)
- TRANSITION COUPLING (AC TO DI PER LWSO STD PLAN 1001)
- 11 1/2" BEND
- 22 1/2" BEND
- 45° BEND
- TEE
- REDUCER
- CAP
- FLANGE JOINT (FL)
- WATER METER (PER LWSO STD PLAN 1200/1201)
- APPROXIMATE LOCATE STATION (PER LWSO STD PLAN 1011)
- FIRE HYDRANT (PER LWSO STD PLAN 1100)
- RESTRAINED MECHANICAL JOINT (RJ, MJ)
- THRUST BLOCK (PER LWSO STD PLAN 1003)
- THRUST COLLAR (PER LWSO STD PLAN 1005)
- AIR AIR VACUUM VALVE ASSEMBLY (PER LWSO STD PLAN 1203.1/1203.2)
- CDF ENCASEMENT OF WATER MAIN (PER LWSO STD PLAN 1000.2)
- EX WATER (LOCATED)
- EX WATER (RECORD)
- PROPOSED WATER MAIN
- PROPOSED WATER SERVICE
- RESTRAINED JOINT LIMITS (PROFILE VIEW)



PROFILE
HOR: 1"=40' VER: 1"=20'

PSOMAS

3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.286.1640
www.psomas.com

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.CITYOFFEDERALWAY.COM



DRAFTED: DPY
DESIGNED: AJO
REVIEWED: SOD
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

WMI-SR99/S 373RD ST ROUNDABOUT

WATER MAIN PLAN & PROFILE
SW 373RD ST - STA 101+00 TO STA 105+00
(BID SCHEDULE B)

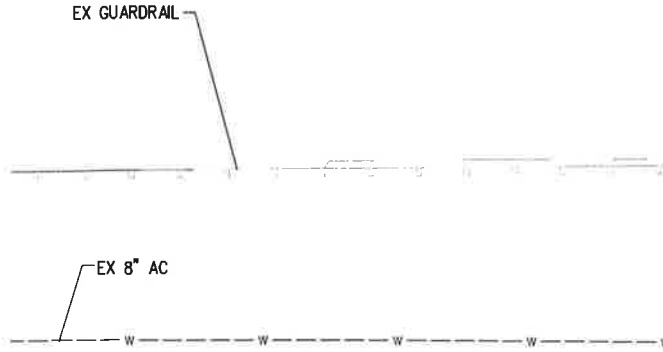
BID DOCUMENT

CITY PROJECT #:
36224

SHT. B12
OF B29

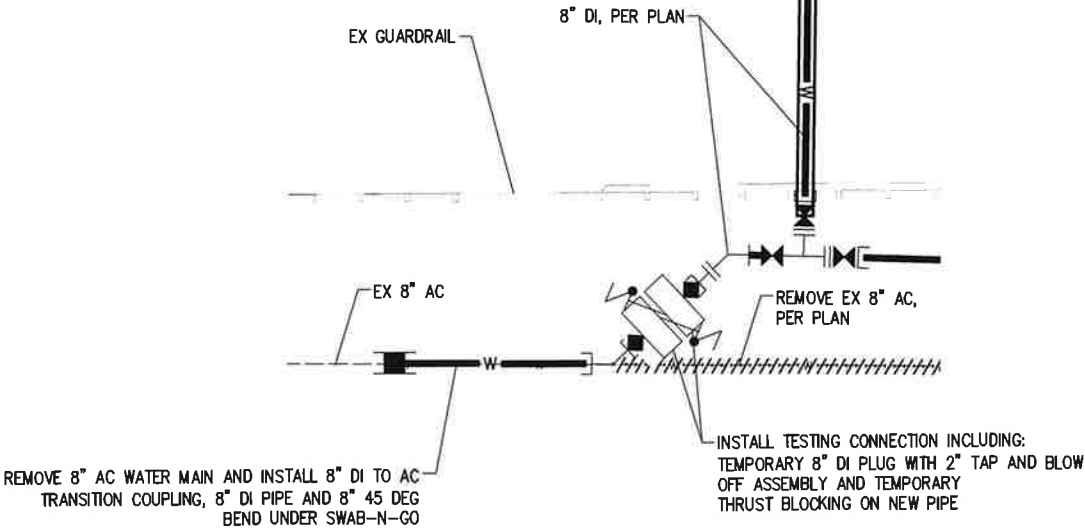
J:\P\W\LAKEWAY\B\LAKEWAY\SR99\2025\WMI Pacific Highway South (SR 99) & S. 373rd St\CAD\Drawings\AK040111\DET-CONN01.dwg, 8/20/2026

PACIFIC HWY S (SR 99)



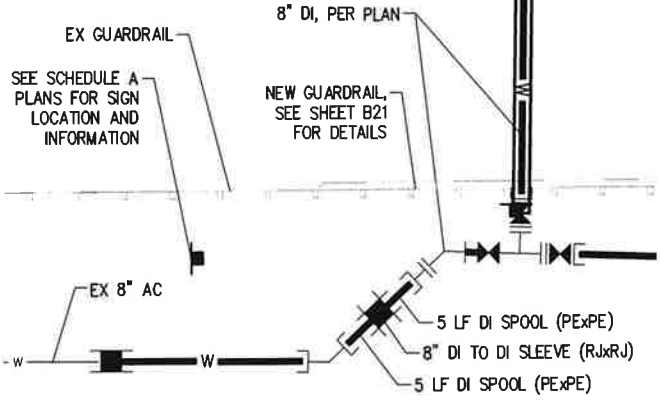
EXISTING CONFIGURATION

PACIFIC HWY S (SR 99)



TESTING CONFIGURATION

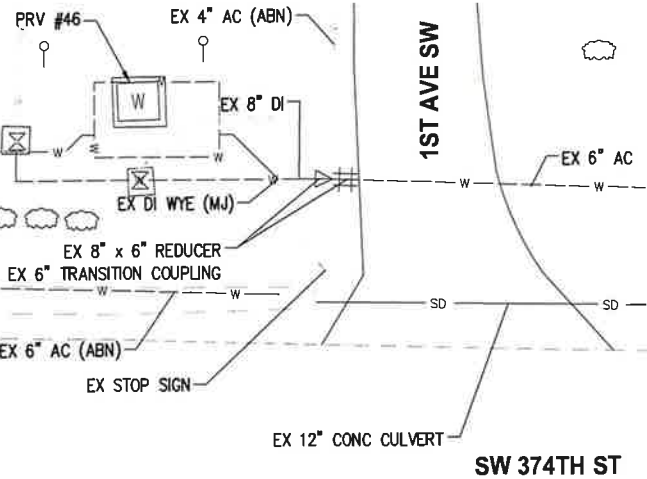
PACIFIC HWY S (SR 99)



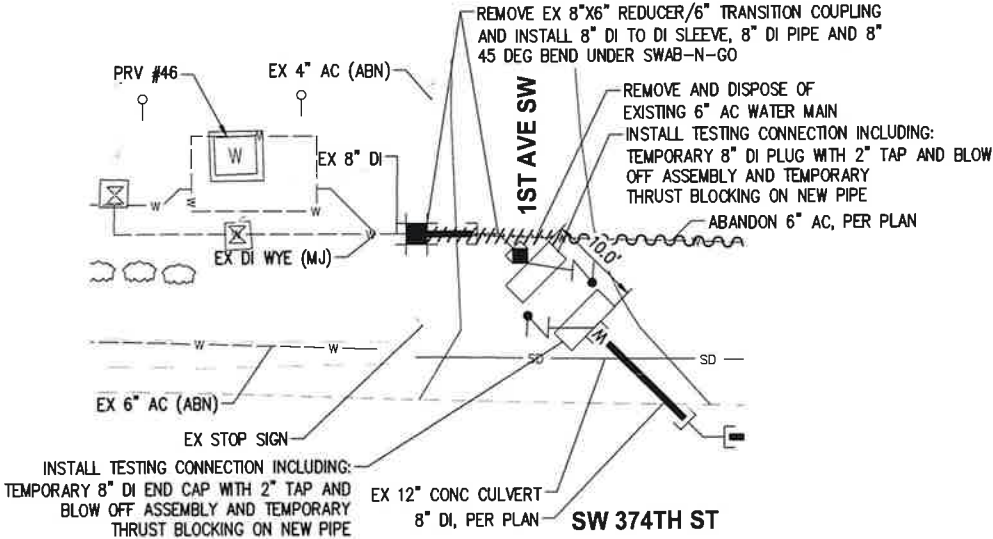
FINAL CONFIGURATION



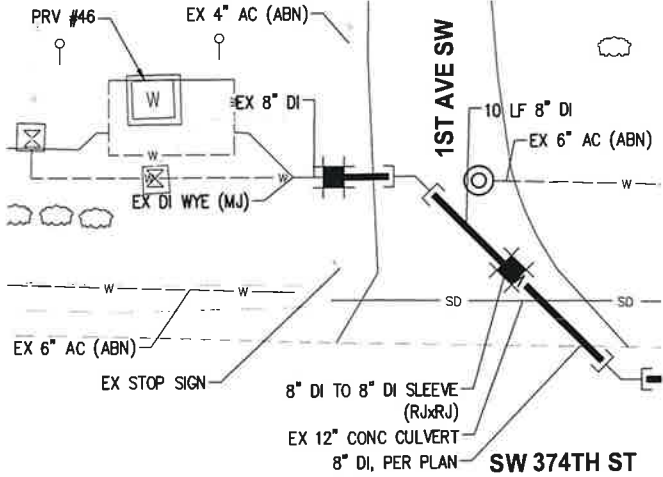
CONNECTION A DETAILS



EXISTING CONFIGURATION



TESTING CONFIGURATION



FINAL CONFIGURATION



CONNECTION B DETAILS

PSOMAS

3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.286.1640
www.psomas.com



DRAFTED: DPY
DESIGNED: AJO
REVIEWED: SOD
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

WMI-SR99/S 373RD ST ROUNDABOUT

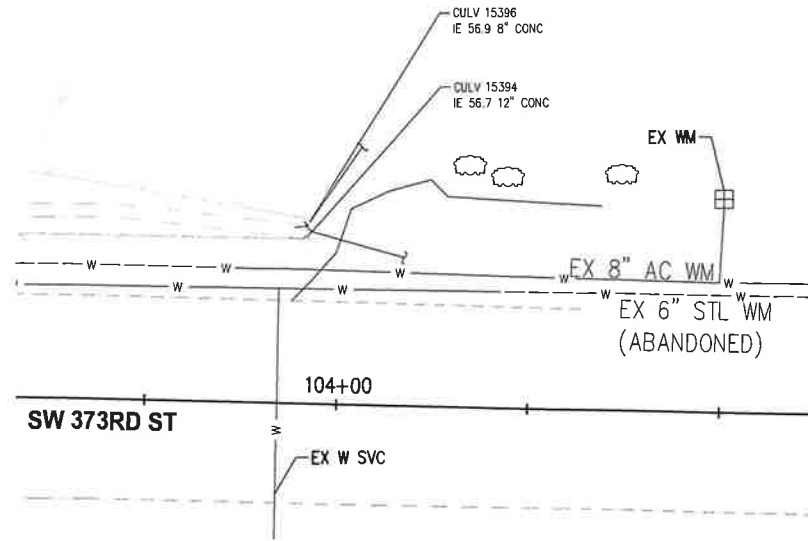
WATER MAIN CONNECTION DETAILS
CONNECTIONS A & B
(BID SCHEDULE B)

BID DOCUMENT

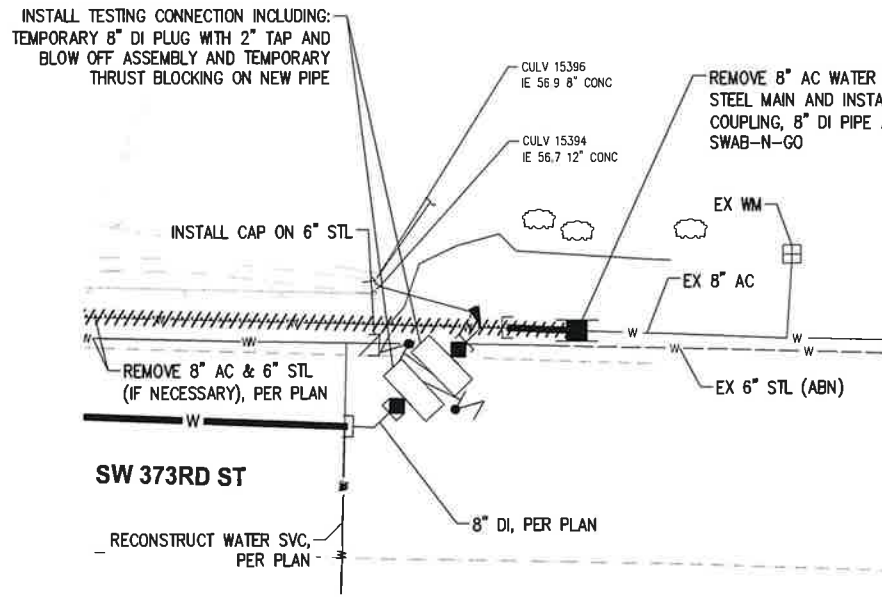
CITY PROJECT #:
36224

SHT. B13
OF B29

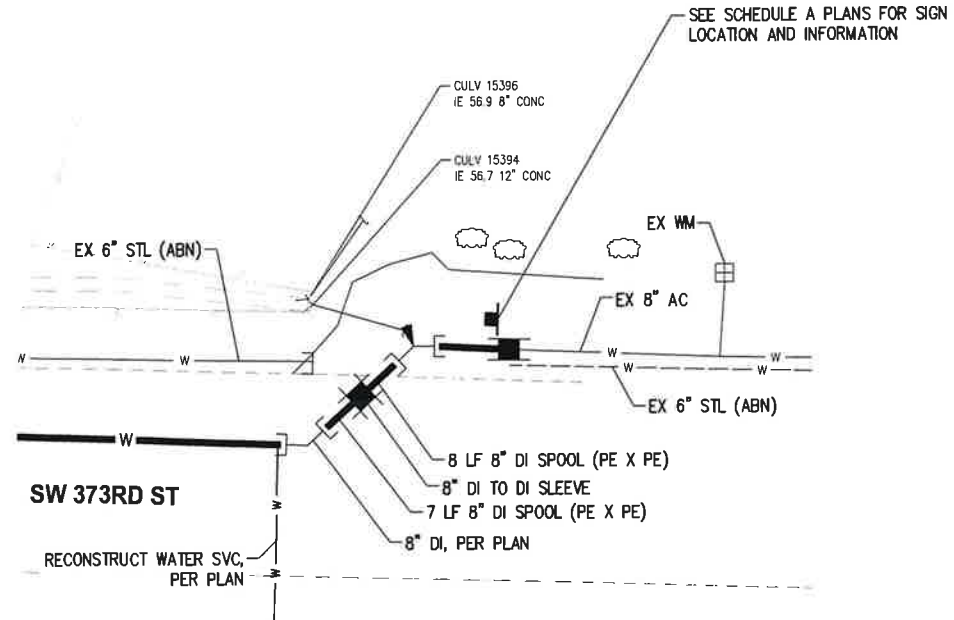
J:\PNW\LAKEHAVEN\B1AK040100-2023-2025 On-Call\B1AK040111 - 2025 WMI Pacific Highway South (SR 99) & S. 373rd St\CAD\SheetFiles\B1AK040111DET-CONN01.dwg, 8/20/2026



EXISTING CONFIGURATION



TESTING CONFIGURATION



FINAL CONFIGURATION



PSOMAS

3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.266.1640
www.psomas.com



DRAFTED: DPY
DESIGNED: AJO
REVIEWED: SOD
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

WMI-SR99/S 373RD ST ROUNDABOUT

WATER MAIN CONNECTION DETAILS
CONNECTION C
(BID SCHEDULE B)

BID DOCUMENT

CITY PROJECT #:
36224
SHT. **B14**
OF **B29**

J:\PNW\LAKEHAVEN\B\AK040100-2023-2025 On-Cam\LAKE040111 - 2025 WMI Pacific Highway South (SR 99) & S. 373rd SW\CADD\SheetFiles\B\AK040111.DET-SEC01.dwg, 8/25/2026

CONSTRUCTION SEQUENCE GENERAL NOTES

NOTE: OPERATION OF VALVES CONNECTED TO LAKEHAVEN WATER AND SEWER DISTRICT'S ACTIVE WATER SYSTEM SHALL ONLY BE PERFORMED BY LAKEHAVEN WATER AND SEWER DISTRICT STAFF, WITH NO EXCEPTIONS.

ABBREVIATIONS:

LAKEHAVEN WATER & SEWER DISTRICT (LWSD)
SOUTH KING FIRE AND RESCUE (SKFR)
DUCTILE IRON (DI)
PRESSURE REDUCING VALVE (PRV)

CITY OF FEDERAL WAY (COFW)
ASBESTOS-CEMENT (AC)
POLYVINYL CHLORIDE (PVC)
KING COUNTY (KC)

DEFINITIONS:

CUT AND CAP – PROCESS INCLUDING BUT NOT LIMITED TO WATER MAIN SEGMENT ISOLATION BY LWSD, EXCAVATING AND EXPOSING THE EXISTING WATER MAIN (SUFFICIENT FOR THE CUT AND CAP WITH TEMPORARY OR PERMANENT BLOWOFF ASSEMBLY, AND CONFIRMING PIPE MATERIAL, DIMENSIONS, DEPTH, ALIGNMENT, AND JOINT PROXIMITY FOR CONNECTION), CUTTING THE PIPE IF AND AS NECESSARY, DRAINING ONE OR MORE MAIN SEGMENTS, CONFIRMING ISOLATION OF THE WATER MAIN SEGMENT, CUTTING OR COMPLETING THE CUT AND DRAINING OF THE PIPE, PREPARING FOR AND PUMPING EXCESS WATER FROM EXCAVATION, REMOVING WATER MAIN, INSTALLING TEMPORARY OR PERMANENT BLOWOFF ASSEMBLY, BACKFILLING THE TRENCH WITH PERMANENT OR INTERIM (TEMPORARY) BACKFILL, PLACING TEMPORARY ANCHORED STEEL PLATES WITH COLD MIX RAMPS TO SECURE THE PLATE(S) AND/OR SURFACING FOR INCOMPLETE OR TEMPORARY TRENCH/SURFACE RESTORATION, REMOVING SUCH TEMPORARY FEATURES IN CONJUNCTION WITH COMPLETION OF THE CONNECTION BETWEEN THE NEW WATER MAIN AND APPURTENANCES WITH THE EXISTING WATER SYSTEM, AND ALL WORK ASSOCIATED WITH COMPLETING THESE ITEMS OF WORK. SEE 'NOTES' BELOW.

STANDARD WATER MAIN INSTALLATION – PROCESS FOR EXTENDING OR INSTALLING WATER MAIN IMPROVEMENTS WHERE THE LENGTH OF THE PIPE RUN, AND/OR WORKING CONDITIONS PRECLUDE THE USE OF THE 'SWAB-AND-GO' PROCESS AS DETERMINED BY LWSD IN ACCORDANCE WITH LWSD STANDARDS, AND WASHINGTON STATE DEPARTMENT OF HEALTH RULES AND REGULATIONS. THE STANDARD WATER MAIN INSTALLATION PROCESS INCLUDES BUT IS NOT LIMITED TO INSTALLING THE NEW WATER MAIN WITH A TEMPORARY OR PERMANENT BLOWOFF ASSEMBLY AT EACH TERMINUS, OR AS INDICATED ON THE PLANS, AND/OR AS MAY BE DIRECTED BY LWSD, AND FLUSHING, FILLING AND DISINFECTING, PRESSURE TESTING, DRAINING AFTER A MINIMUM OF 24-HOURS AND MAXIMUM OF 96-HOURS OF DISINFECTION, FLUSHING, FILLING, TESTING FOR CHLORINE RESIDUAL*, AND SAMPLING TWO CONSECUTIVE DAYS FOR STANDARD 48-HOUR BACTERIOLOGICAL TESTS*. FOLLOWING SATISFACTORY COMPLETION OF ALL TESTING, THE PROCESS ALSO INCLUDES BUT IS NOT LIMITED TO ISOLATING AND DRAINING THE CONNECTING MAIN SEGMENT(S) OF THE EXISTING WATER SYSTEM*, DRAINING THE TESTED SEGMENT OF NEW MAIN, REMOVING TEMPORARY FEATURES (BLOWOFF ASSEMBLIES, BACKFILL, STEEL PLATES, SURFACING), COMPLETING THE CONNECTION(S) TO THE EXISTING WATER SYSTEM, FLUSHING*, AND ACTIVATING THE ISOLATED EXISTING AND NEW WATER MAIN SEGMENTS*. SEE 'NOTES' BELOW, AND REFER TO SECTIONS 7-09.3(23) AND (24) OF THE SPECIAL PROVISIONS FOR MORE SPECIFIC DETAILS. (* CONDUCTED BY LWSD IN COORDINATION WITH, AND WITH SUPPORT PROVIDED BY, THE CONTRACTOR).

SWAB-AND-GO – REFER TO THE 'NOTES' BELOW, AND SECTION 7-09.3(19)A OF THE SPECIAL PROVISIONS FOR MORE SPECIFIC DETAILS.

FIRE WATCH – WHEN A REQUIRED FIRE PROTECTION SYSTEM IS OUT OF SERVICE, THE FIRE DEPARTMENT AND THE FIRE CODE OFFICIAL SHALL BE NOTIFIED IMMEDIATELY BY THE CONTRACTOR AND, WHERE REQUIRED BY THE FIRE CODE OFFICIAL, THE BUILDING SHALL BE EITHER EVACUATED OR AN APPROVED FIRE WATCH SHALL BE PROVIDED FOR ALL OCCUPANTS LEFT UNPROTECTED BY THE SHUTDOWN UNTIL THE FIRE PROTECTION SYSTEM HAS BEEN RETURNED TO SERVICE. WHERE UTILIZED, FIRE WATCHES SHALL BE PROVIDED WITH NOT LESS THAN ONE APPROVED MEANS FOR NOTIFICATION OF THE FIRE DEPARTMENT AND THEIR ONLY DUTY SHALL BE TO PERFORM CONSTANT PATROLS OF THE PROTECTED PREMISES AND KEEP WATCH FOR FIRES.

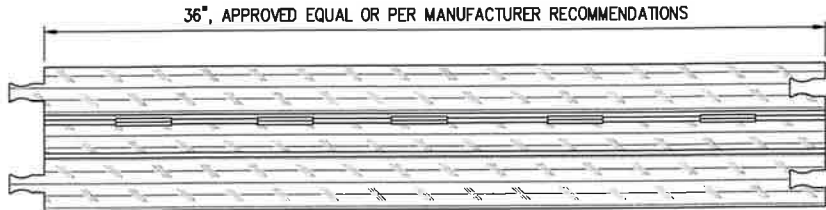
GENERAL NOTES:

- IT IS ANTICIPATED THAT A MINIMUM OF TWO (2) CREWS MAY BE NEEDED TO COMPLETE ONE OF MORE PORTIONS OF THE WORK WITHIN THE TIME FRAMES OUTLINED IN THE SUGGESTED CONSTRUCTION SEQUENCE. ADVANCE SAWCUTTING AND PRE-EXCAVATION WITH ANCHORED TEMPORARY STEEL PLATES, AND PERFORMING SELECTED STAGES CONCURRENTLY WHEN AND WHERE VIABLE, SUCH AS INSTALLING NEW MAIN(S) WHILE REMOVING EXISTING MAINS, ARE POTENTIAL OPTIONS FOR REDUCING THE AMOUNT OF TIME TO PERFORM THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANNING, SCHEDULING AND SEQUENCING THE WORK, SEE SP 1-08.4(3). THE SUGGESTED CONSTRUCTION SEQUENCE AS OUTLINED BELOW DOES NOT INCLUDE ALL DETAILS OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO DEVELOP AND PROPOSE A CONSTRUCTION SEQUENCE FOR LWSD REVIEW AND ACCEPTANCE IN ADVANCE OF THE WORK, AND FOR ALL THE DETAILS FOR PERFORMING AND COMPLETING THE WORK IN ACCORDANCE WITH THE CONTRACT PROVISIONS.
- WHERE FIRE HYDRANT SERVICE WILL BE DISRUPTED DUE TO PROJECT-RELATED WATER SYSTEM WORK IN NON-SINGLE FAMILY (SFR) AREAS, LWSD AND THE CONTRACTOR SHALL BE JOINTLY RESPONSIBLE TO COORDINATE WITH SKFR A MINIMUM OF THREE (3) BUSINESS DAYS IN ADVANCE OF ANY SUCH DISRUPTION TO ENSURE THAT SUFFICIENT FIREFIGHTING CAPABILITY IS AVAILABLE PENDING REACTIVATION OF THE HYDRANT(S).
- WHERE EXISTING AND LIVE SERVICE LINES CONFLICT WITH THE PROPOSED WATER MAIN, THE CONTRACTOR SHALL NOTIFY THE AFFECTED PARCEL OWNER OF A TEMPORARY SHUTDOWN PER SECTION 7-10.3 OF THE SPECIAL PROVISIONS AND RELOCATE THE EXISTING WATER SERVICE TO AVOID THE NEW WATER MAIN. THIS RELOCATION WOULD BE TEMPORARY BETWEEN WHEN THE NEW WATER MAIN GETS TRENCHED IN AND WHEN THE CONFLICTING SERVICE IS TRANSFERRED OVER TO THE LIVE NEW WATER MAIN. SEE THE PLANS FOR A TEMPORARY WATER SERVICE RELOCATION DETAIL.
- FOR ALLOWABLE WORKING HOURS, REFER TO SECTION 1-08.0(2) OF THE SPECIAL PROVISIONS.
- ALL DRAINED OR DISCHARGED WATER FROM EXISTING OR NEW WATER MAINS SHALL BE STORED AND TREATED IN A STEEL ROLL-OFF TANK (BAKER TANK, WATER TRUCK OR APPROVED EQUAL). SUCH STORED AND TREATED, DRAINED AND/OR DISCHARGE WATER SHALL NOT BE DRAINED TO ANY SEWER SYSTEM WITHOUT THE WRITTEN APPROVAL OF, AND SHALL BE SUBJECT TO SUCH CONDITIONS AS MAY BE IMPOSED BY, THE COFW AND/OR LWSD.
- AS PART OF CUTS AND CAPS, THE CONTRACTOR SHALL CONFIRM PIPE MATERIAL, OUTSIDE DIAMETER, CONNECTION DEPTH, ALIGNMENT, AND PROXIMITY TO THE NEAREST PIPE JOINT OF THE EXISTING WATER MAIN(S) TO WHICH NEW MAIN OR APPURTENANCES ARE PROPOSED TO BE CONNECTED. AT THE DIRECTION OF THE LWSD INSPECTOR, THE LOCATION OF THE CUT AND CAP MAY BE ADJUSTED FORWARD OR BACK TO ENSURE SUFFICIENT SEPARATION OF THE NEW CONNECTION FROM THE NEAREST PIPE JOINT ON THE PORTION OF

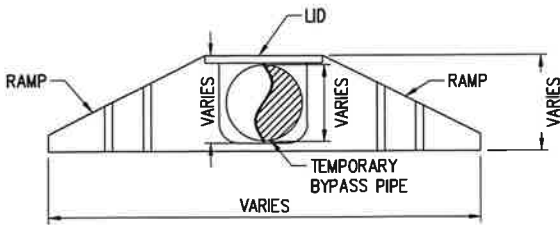
- THE EXISTING WATER MAIN TO REMAIN IN SERVICE.
- WHERE EXISTING UTILITY POLES ARE ADJACENT TO TRENCH-RELATED WORK, THE CONTRACTOR SHALL COORDINATE WITH PSE FOR POWER POLE SUPPORT, AND SHALL ENSURE THAT THE STRUCTURAL INTEGRITY AND FUNCTIONAL CAPABILITIES ARE PRESERVED AND PROTECTED DURING THE WORK. SEE SECTION 1-05.14(A) OF THE SPECIAL PROVISIONS FOR UTILITY CONTACT INFORMATION.
 - PLACE TEMPORARY BACKFILL, INSTALL ANCHORED TEMPORARY STEEL PLATES WITH COLD MIX RAMPS TO SECURE THE PLATE(S) AND/OR TEMPORARY SURFACING FOR ANY TRENCH SECTIONS REMAINING OPEN OR INCOMPLETELY RESTORED TO FINISH GRADE PRIOR TO THE END OF THE WORK DAY (TYPICAL). PLACE CAUTIONARY WARNING SIGNS FOR TEMPORARY SURFACING, ESPECIALLY STEEL PLATES AS REQUIRED BY THE MUTCO, AND/OR REVIEWED TEMPORARY TRAFFIC CONTROL PLAN.
 - THE CONTRACTOR SHALL INSTALL ALL TEMPORARY WATER MAINS AND SERVICE LINES (BYPASS PIPE) ABOVE GROUND EXCEPT WHERE NEEDED TO PROVIDE ROADWAY CROSSINGS. AT DRIVEWAYS OR VEHICLE TRAFFIC AREAS, CONTINUOUS VEHICLE ACCESS SHALL BE MAINTAINED DURING BYPASS OPERATIONS WITHOUT DAMAGE TO THE BYPASS PIPE OR DISRUPTION OF WATER SERVICE.
 - ALL BYPASS PIPE INCLUDING APPURTENANCES SHALL CONFORM TO APPLICABLE AWWA STANDARDS AND BE CERTIFIED NSF 61. PIPE SHALL BE RATED FOR PRESSURE CLASS 200 OR EQUAL. TEMPORARY WATER MAINS SHALL BE SIZED AS SHOWN ON PLANS. TEMPORARY WATER MAINS SHALL BE A MINIMUM OF 1-1/2 INCH DIA. AND TEMPORARY SERVICE LINES SHALL MATCH THE SIZE OF THE METER SETTER. TEMPORARY SERVICE LINES SHALL EXTEND APPROXIMATELY PERPENDICULAR FROM THE TEMPORARY WATER MAIN TO THE BACK OF THE SETTER AT THE METER BOX.
 - THE BYPASS PIPE SHALL BE PRESSURE TESTED AND DISINFECTED PER SPECIFICATIONS.
 - CONTRACTOR SHALL VERIFY LOCATION AND QUANTITY OF ALL EXISTING WATER SERVICES AND, IF NECESSARY, INSTALL ADDITIONAL CONNECTIONS NOT SHOWN ON THESE PLANS.
 - WATER BYPASS PIPE INCLUDING TEMPORARY BLOW-OFFS AND OTHER ASSOCIATED APPURTENANCES SHOWN ARE SCHEMATIC, NOT TO SCALE, AND PROVIDED FOR CONVENIENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND ROUTING THE WATER BYPASS PIPE TO COORDINATE WITH CONSTRUCTION ACTIVITIES, AND TO MEET ALL CONTRACT REQUIREMENTS. NO PORTION OF THE BYPASS PIPE SHALL BE LOCATED OUTSIDE CITY RIGHT-OF-WAY AND EASEMENT BOUNDARIES. RIGHT OF WAY SHOWN ON THESE PLANS IS SCHEMATIC AND BASED UPON GIS DATA.
 - CONTRACTOR SHALL COORDINATE, PREPARE AND POST LWSD-FURNISHED NOTICES PRIOR TO PROPOSED WATER SERVICE DISRUPTIONS AS SHOWN ON THE REVIEWED THREE-WEEK LOOK AHEAD SCHEDULE, AND AS MORE COMPLETELY DESCRIBED IN GENERAL WATER NOTE B3, AND IN THE SPECIAL PROVISIONS. CONTRACTOR SHALL SCHEDULE AND COORDINATE IN ADVANCE, AND PERFORM THE WORK TO MINIMIZE WATER SERVICE DISRUPTIONS.
 - SEE SP 7-10 AND SHEETS B17-B18 FOR SUGGESTED WATER CONSTRUCTION SEQUENCE NARRATIVES AND STAGING. FOR TEMPORARY WATER SERVICE DETAILS, SEE LWSD STD PLAN 1301. FOR CONSTRUCTION OF NEW WATER MAINS, CONNECTIONS AND HYDRANTS ASSEMBLIES. SEE WATER PLANS AND PROFILES, SHEETS B8-B12.
 - ALL EXISTING UTILITY, RIGHT-OF-WAY AND PROPERTY LINE INFORMATION SHOWN ON SHEETS ARE SCHEMATIC AND ARE SOLELY FOR THE CONTRACTOR'S REFERENCE ONLY. SEE WATERLINE PLAN AND PROFILES, SHEETS B8-B12 FOR THIS INFORMATION.
 - ALL WATER DRAINED FROM WATER MAINS DURING CONSTRUCTION SEQUENCING OR PROGRESSION OF PROJECT OR SHALL BE STORED AND TREATED IN STEEL ROLL OFF TANKS (BAKER TANK OR APPROVED EQUAL). PROPOSED LOCATION(S) SHALL BE SUBJECT TO THE ADVANCE REVIEW & APPROVAL OF COFW, KC & LWSD.

CONSTRUCTION SEQUENCE PLANS:

- FOR COMMON BIDDING PURPOSES, A SUGGESTED CONSTRUCTION STAGING SEQUENCE AND DETAILS CORRESPONDING TO THE FOLLOWING NARRATIVE IS SHOWN ON PLAN SHEETS B17-B18.



PLAN



SECTION

NOTES:

- HEAVY DUTY HOSE PROTECTION RAMPS SHALL BE INSTALLED AT ALL DRIVEWAYS AND SHALL BE MODULAR AND EITHER MADE OF POLYURETHANE, RUBBER, PLASTIC OR METAL. ASPHALT RAMPS SHALL NOT BE USED EXCEPT WHERE APPROVED BY THE DISTRICT INSPECTOR.
- CONTRACTOR SHALL PROVIDE INFORMATION ON PROPOSED MATERIAL THAT IS EQUAL OR BETTER PRIOR TO APPROVAL OF THE ENGINEER.
- HOSE RAMPS WILL NOT BE ALLOWED ON ROADWAYS. TEMPORARY WATER SERVICE SHALL BE INSTALLED UNDER ASPHALT PER LWSD DETAIL 1301.

HEAVY DUTY HOSE PROTECTION RAMPS (TYP)
NTS

PSOMAS

3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.285.1640
www.psomas.com



33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.CITYOFFEDERALWAY.COM



Know what's below.
Call before you dig.

DRAFTED: DPY

DESIGNED: AJO

REVIEWED: SOD

APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

WMI-SR99/S 373RD ST ROUNDABOUT

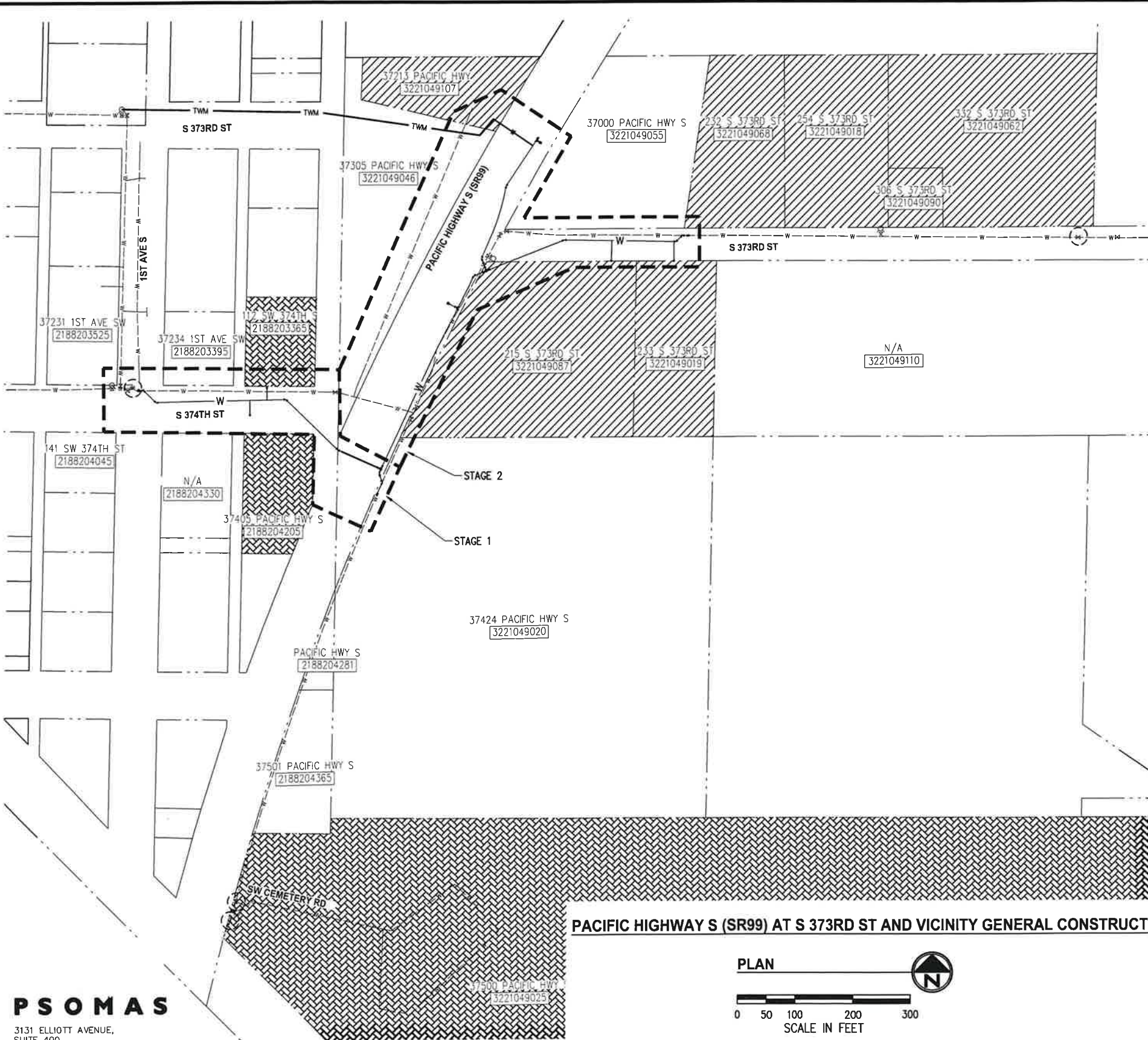
SEQUENCING & TEMPORARY SERVICE NOTES
(BID SCHEDULE B)

BID DOCUMENT

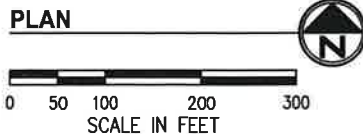
CITY PROJECT #:
36224

SHT. B15
OF B29

J:\PNV\LAKEHAVEN\B\AK040100-2023-2025 On-Call\B\AK040111 - 2025 WMI Pacific Highway South (SR 99) & S. 373rd SW\CADD\SheetFiles\B\AK040111SEC01.dwg, 8/25/2026



PACIFIC HIGHWAY S (SR99) AT S 373RD ST AND VICINITY GENERAL CONSTRUCTION SEQUENCING PLAN



GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE, PREPARE AND POST LWSO-FURNISHED NOTICES PRIOR TO PROPOSED WATER SERVICE DISRUPTIONS AS SHOWN ON THE REVIEWED THREE-WEEK LOOK AHEAD SCHEDULE AND AS MORE COMPLETELY DESCRIBED IN GENERAL WATER NOTE 5, SHEET B3 AND IN THE SPECIAL PROVISIONS. CONTRACTOR SHALL SCHEDULE AND COORDINATE IN ADVANCE, AND PERFORM THE WORK TO MINIMIZE WATER SERVICE DISRUPTIONS.
2. SEE SP 7-10 OF CONTRACT SPECIFICATIONS FOR WATER CONSTRUCTION SEQUENCE CORRESPONDING TO THE CONSTRUCTION STAGING SHOWN ON THIS PLAN. FOR STAGING DETAILS, SEE SHEET B15 AND LWSO STANDARD PLANS. FOR CONSTRUCTION OF NEW WATER MAINS, CONNECTIONS AND HYDRANTS. SEE WATER PLANS AND PROFILES, SHEETS B8-B12.
3. ALL EXISTING UTILITY, RIGHT-OF-WAY AND PROPERTY LINE INFORMATION SHOWN ON PLANS ARE SCHEMATIC AND ARE SOLELY FOR THE CONTRACTOR'S REFERENCE ONLY.
4. ALL WATER DRAINED FROM WATER MAINS DURING CONSTRUCTION SEQUENCING OR PROGRESSION OF PROJECT SHALL BE STORED AND TREATED IN STEEL ROLL OFF TANKS (BAKER TANK OR APPROVED EQUAL). PROPOSED LOCATION(S) SHALL BE SUBJECT TO THE ADVANCE REVIEW & APPROVAL OF COFW & LWSO.
5. SEQUENCING PLAN SHOWN IS FOR WATER MAIN ONLY. SEE SCHEDULE A DRAWINGS FOR SEQUENCING OF SCHEDULE A IMPROVEMENTS.

CONTRACTOR SHALL REVIEW BID SCHEDULE A TRAFFIC CONTROL PLANS AND THE FOLLOWING STAGE LIMITS, CONSTRUCTION ACTIVITIES AND COORDINATE PROPOSED WATER MAIN WORK AND PROPOSED WATER MAIN STAGES WITH THESE BID SCHEDULE A STAGES TO LIMIT WATER SERVICE OUTAGES AND TRAFFIC CONTROL IMPACTS. THESE WATER MAIN SEQUENCING STAGES ARE SUGGESTED MEANS OF COMPLETING THE WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY A CONSTRUCTION SEQUENCING PLAN THAT COORDINATES WITH THE BID SCHEDULE A STAGES.

SUGGESTED CONSTRUCTION SEQUENCING AND TEMPORARY WATER SERVICE LEGEND

	STAGE "X" LIMITS		EXISTING WATER VALVE
	STAGE "X" LENGTH		EXISTING WATER SERVICE
	EXISTING WATER LINE		EXISTING BLOWOFF VALVE
	TEMPORARY WATER MAIN (SEE PLAN FOR SIZE)		EXISTING AIR VACUUM
	PROPOSED WATER LINE SEE WATER SHEETS		EXISTING HYDRANT
	PARCEL LINE OR RIGHT-OF-WAY LINE		WATER VALVE OPERATION
	IMPACTED PARCELS STAGE 1		CUT AND CAP WATERMAIN, SEE SHEET B15 FOR DEFINITION.
	IMPACTED PARCELS STAGE 2		

PSOMAS

3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.286.1640
www.psomas.com

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.CITYOFFEDERALWAY.COM



DRAFTED: DPY
DESIGNED: AJO
REVIEWED: SOD
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

WMI-SR99/S 373RD ST ROUNDABOUT

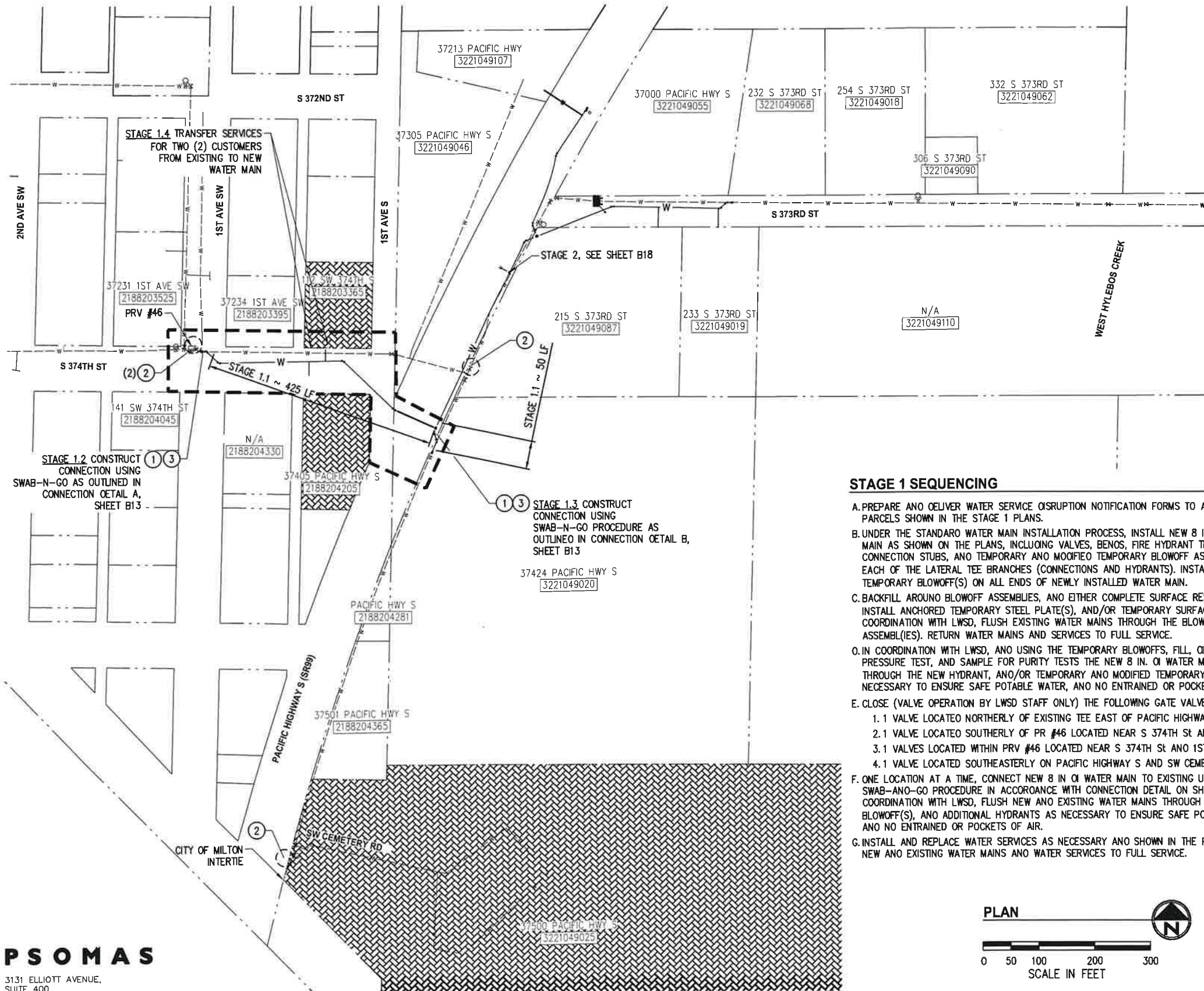
GENERAL CONSTRUCTION SEQUENCING &
TEMPORARY SERVICE PLAN
(BID SCHEDULE B)

BID DOCUMENT

CITY PROJECT #:
36224

SHT. **B16**
OF **B29**

J:\PNW\LAKEHAVEN\LAKE00100-2023-2025 On-Call\91 AK040111 - 2025 WMI Pacific Highway South (SR 99) & S 373rd St\ACADD\SheetFiles\91 AK040111 SECD02.dwg, 8/25/2026



PACIFIC HIGHWAY S (SR99) AT S 373RD ST AND VICINITY - STAGE 1

STAGE 1 SEQUENCING

- A. PREPARE AND DELIVER WATER SERVICE DISRUPTION NOTIFICATION FORMS TO ALL IMPACTED PARCELS SHOWN IN THE STAGE 1 PLANS.
- B. UNDER THE STANDARD WATER MAIN INSTALLATION PROCESS, INSTALL NEW 8 IN. CI WATER MAIN AS SHOWN ON THE PLANS, INCLUDING VALVES, BENOS, FIRE HYDRANT TEES, SERVICE CONNECTION STUBS, AND TEMPORARY AND MODIFIED TEMPORARY BLOWOFF ASSEMBLIES AT EACH OF THE LATERAL TEE BRANCHES (CONNECTIONS AND HYDRANTS). INSTALL MODIFIED TEMPORARY BLOWOFF(S) ON ALL ENDS OF NEWLY INSTALLED WATER MAIN.
- C. BACKFILL AROUND BLOWOFF ASSEMBLIES, AND EITHER COMPLETE SURFACE RESTORATION, OR INSTALL ANCHORED TEMPORARY STEEL PLATE(S), AND/OR TEMPORARY SURFACING. IN COORDINATION WITH LWSO, FLUSH EXISTING WATER MAINS THROUGH THE BLOWOFF ASSEMBLIES. RETURN WATER MAINS AND SERVICES TO FULL SERVICE.
- D. IN COORDINATION WITH LWSO, AND USING THE TEMPORARY BLOWOFFS, FILL, DISINFECT, PRESSURE TEST, AND SAMPLE FOR PURITY TESTS THE NEW 8 IN. CI WATER MAIN, AND FLUSH THROUGH THE NEW HYDRANT, AND/OR TEMPORARY AND MODIFIED TEMPORARY BLOWOFFS AS NECESSARY TO ENSURE SAFE POTABLE WATER, AND NO ENTRAINED OR POCKETS OF AIR.
- E. CLOSE (VALVE OPERATION BY LWSO STAFF ONLY) THE FOLLOWING GATE VALVES:
- 1.1 VALVE LOCATED NORTHERLY OF EXISTING TEE EAST OF PACIFIC HIGHWAY S.
 - 2.1 VALVE LOCATED SOUTHERLY OF PR #46 LOCATED NEAR S 374TH ST AND 1ST AVE SW.
 - 3.1 VALVES LOCATED WITHIN PR #46 LOCATED NEAR S 374TH ST AND 1ST AVE SW.
 - 4.1 VALVE LOCATED SOUTHEASTERLY ON PACIFIC HIGHWAY S AND SW CEMETERY RD.
- F. ONE LOCATION AT A TIME, CONNECT NEW 8 IN. CI WATER MAIN TO EXISTING UNDER THE SWAB-AND-GO PROCEDURE IN ACCORDANCE WITH CONNECTION DETAIL ON SHEET B13. IN COORDINATION WITH LWSO, FLUSH NEW AND EXISTING WATER MAINS THROUGH THE TEMPORARY BLOWOFF(S), AND ADDITIONAL HYDRANTS AS NECESSARY TO ENSURE SAFE POTABLE WATER, AND NO ENTRAINED OR POCKETS OF AIR.
- G. INSTALL AND REPLACE WATER SERVICES AS NECESSARY AND SHOWN IN THE PLANS. RESTORE NEW AND EXISTING WATER MAINS AND WATER SERVICES TO FULL SERVICE.

PLAN



GENERAL NOTES

- CONTRACTOR SHALL COORDINATE, PREPARE AND POST LWSO-FURNISHED NOTICES PRIOR TO PROPOSED WATER SERVICE DISRUPTIONS AS SHOWN ON THE REVIEWED THREE-WEEK LOOK AHEAD SCHEDULE AND AS MORE COMPLETELY DESCRIBED IN GENERAL WATER NOTE 5, SHEET B3 AND IN THE SPECIAL PROVISIONS. CONTRACTOR SHALL SCHEDULE AND COORDINATE IN ADVANCE, AND PERFORM THE WORK TO MINIMIZE WATER SERVICE DISRUPTIONS.
- SEE SP 7-10 OF CONTRACT SPECIFICATIONS FOR WATER CONSTRUCTION SEQUENCE CORRESPONDING TO THE CONSTRUCTION STAGING SHOWN ON THIS PLAN. FOR STAGING DETAILS, SEE SHEET B15 AND LWSO STANDARD PLANS. FOR CONSTRUCTION OF NEW WATER MAINS, CONNECTIONS AND HYDRANTS. SEE WATER PLANS AND PROFILES, SHEETS B8-B12.
- ALL EXISTING UTILITY, RIGHT-OF-WAY AND PROPERTY LINE INFORMATION SHOWN ON PLANS ARE SCHEMATIC AND ARE SOLELY FOR THE CONTRACTOR'S REFERENCE ONLY.
- ALL WATER DRAINED FROM WATER MAINS DURING CONSTRUCTION SEQUENCING OR PROGRESSION OF PROJECT SHALL BE STORED AND TREATED IN STEEL ROLL OFF TANKS (BAKER TANK OR APPROVED EQUAL). PROPOSED LOCATION(S) SHALL BE SUBJECT TO THE ADVANCE REVIEW & APPROVAL OF COFW & LWSO.
- SEQUENCING PLAN SHOWN IS FOR WATER MAIN ONLY. SEE SCHEDULE A DRAWINGS FOR SEQUENCING OF SCHEDULE A IMPROVEMENTS.

CONSTRUCTION NOTES

- CUT, CAP, AND INSTALL MODIFIED TEMPORARY BLOWOFF PER LWSO STD DETAIL 1300.
- SHUT OFF VALVE DURING CUT AND CAP, MODIFIED TEMPORARY BLOWOFF INSTALLATION AND FINAL CONNECTION.
- CONSTRUCT SWAB-N-GO CONNECTION. SEE CONNECTION DETAIL SHEETS B13-B14.

SUGGESTED CONSTRUCTION SEQUENCING AND TEMPORARY WATER SERVICE LEGEND

	STAGE "X" LIMITS		EXISTING WATER VALVE
	STAGE "X" LENGTH		EXISTING WATER SERVICE
	EXISTING WATER LINE		EXISTING BLOWOFF VALVE
	TEMPORARY WATER MAIN (SEE PLAN FOR SIZE)		EXISTING AIR VACUUM
	PROPOSED WATER LINE SEE WATER SHEETS		EXISTING HYDRANT
	PARCEL LINE OR RIGHT-OF-WAY LINE		WATER VALVE OPERATION
	IMPACTED PARCELS STAGE 1		CUT AND CAP WATERMAIN, SEE SHEET B15 FOR DEFINITION.
	IMPACTED PARCELS STAGE 2		

PSOMAS

3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.286.1640
www.psomas.com



DRAFTED: DPY
DESIGNED: AJO
REVIEWED: SOD
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

WMI-SR99/S 373RD ST ROUNDABOUT

GENERAL CONSTRUCTION SEQUENCING &
TEMPORARY SERVICE PLAN
(BID SCHEDULE B)

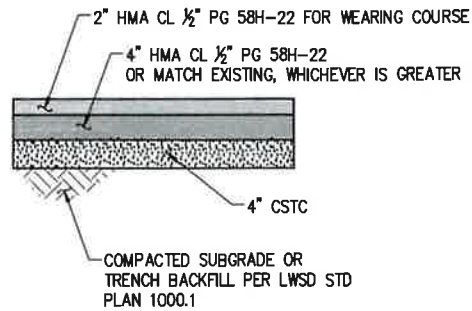
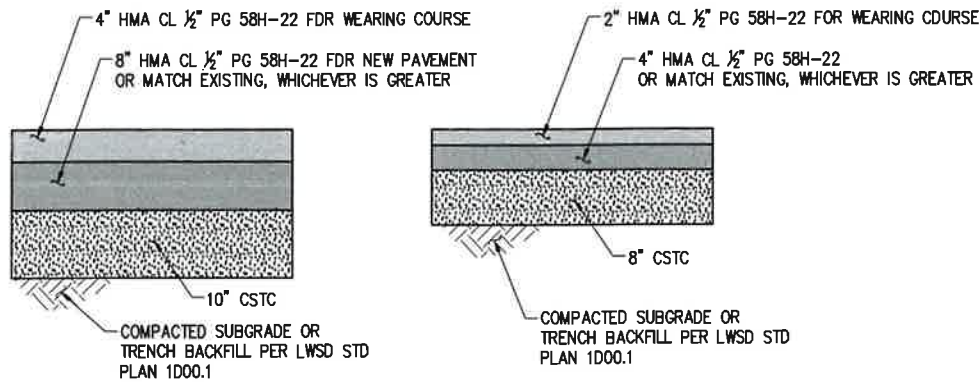
BID DOCUMENT

CITY PROJECT #:
36224

SHT. B17
OF B29

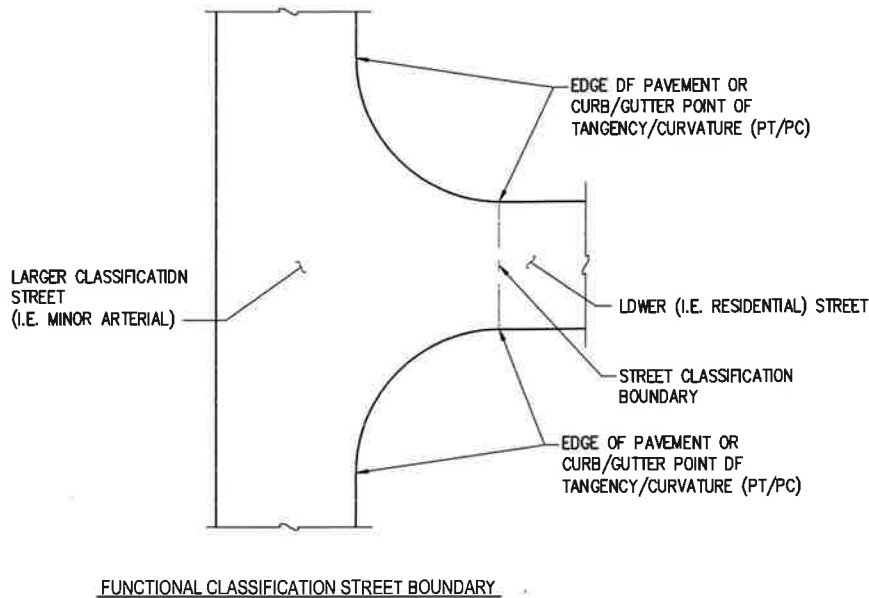


J:\PNW\LAKEHAVEN\LAKE040100-2023-2025 On-Call\BID\LAKE040111 - 2025 WMI Pacific Highway South (SR 99) & S. 373rd St\CAD\Drawings\LAKE040111DET-REST01.dwg, 9/17/2026

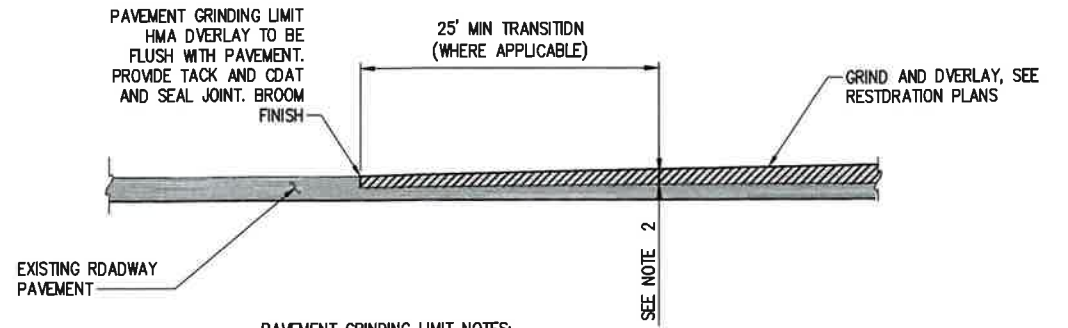
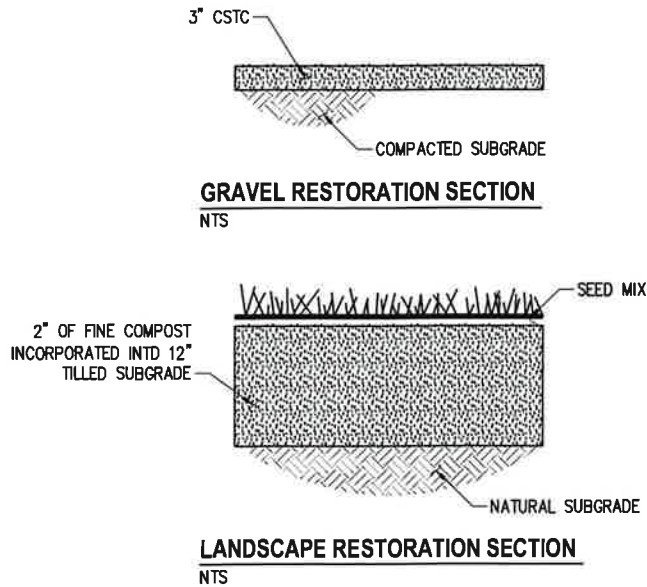


ROADWAY CLASSIFICATION FOR PROJECT STREETS		
STREET NAME	FUNCTIONAL CLASSIFICATION	JURISDICTION
SW 374TH ST	LOCAL	FEDERAL WAY
1ST AVE S	LOCAL	FEDERAL WAY
SW 373RD ST	PRINCIPAL COLLECTOR	FEDERAL WAY
SR 99 (PAC HWY S)	PRINCIPAL ARTERIAL	FEDERAL WAY

- NOTES:**
- HMA CL ½" SHALL BE COMPACTED IN LIFTS NOT TO EXCEED 0.3' UNLESS APPROVED BY THE CDFW PUBLIC WORKS DEPARTMENT. DENSITY SHALL BE AT LEAST 92% OF MAXIMUM THEORETICAL DENSITY (RICE DENSITY).
 - TOP COURSE (CRUSHED SURFACING) SHALL BE COMPACTED IN DEPTHS NOT TO EXCEED 0.35' EXCEPT TOP COURSE SHALL BE 0.17' UNLESS OTHERWISE DIRECTED. DENSITY SHALL BE AT 95% OF ASTM D 1557.
 - CSTC OR CRUSHED SURFACING TOP COURSE SHOWN IN ROADWAY SECTIONS SHALL BE PAID UNDER "CRUSHED SURFACING TOP COURSE FOR ROADWAY."

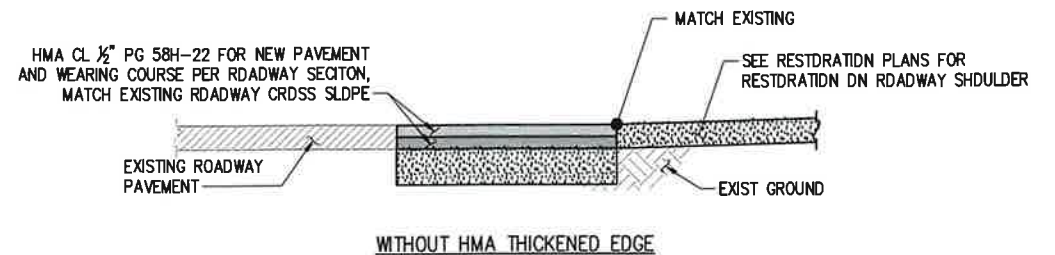


ROADWAY SECTIONS
NTS

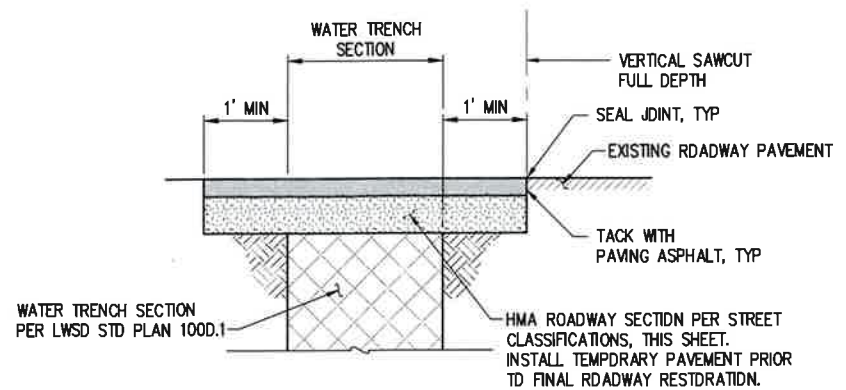


- PAVEMENT GRINDING LIMIT NOTES:**
- FINAL GRINDING LIMITS SHALL BE FIELD LOCATED TO AVOID PONDING AND TO PROVIDE A SMOOTH TRANSITION BETWEEN THE EXISTING DRIVING SURFACE AND THE NEW DRIVING SURFACE.
 - PLANING BITUMINOUS PAVEMENT DEPTHS SHALL BE:
 - 4" ON SR 99 (PACIFIC HIGHWAY S)
 - 2" ON S 373RD ST

PAVEMENT PLANING LIMITS DETAIL
NTS



EDGE RESTORATION DETAIL
NTS



- NOTES**
- INSTALL AND MAINTAIN TEMPORARY PAVEMENT AS TEMPORARY TRENCH PATCH PRIOR TO OVERLAY. TEMPORARY PAVEMENT SHALL BE HOT MIX ASPHALT FOR AREAS WITHIN ROADWAYS AND COLD MIX WITHIN SHOULDER AREAS UNLESS WRITTEN APPROVAL FROM DISTRICT/CITY STATES OTHERWISE. TEMPORARY PAVEMENT THICKNESS SHALL BE AS FOLLOWS:
 - PRINCIPAL ARTERIAL - MIN 8"
 - PRINCIPAL COLLECTOR - MIN 3"
 - LOCAL/RESIDENTIAL STREET - MIN 3"

TEMPORARY TRENCH PATCH SECTION
NTS

PSOMAS

3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.286.1640
www.psomas.com



DRAFTED: DPY
DESIGNED: AJO
REVIEWED: SOD
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

WMI-SR99/S 373RD ST ROUNDABOUT

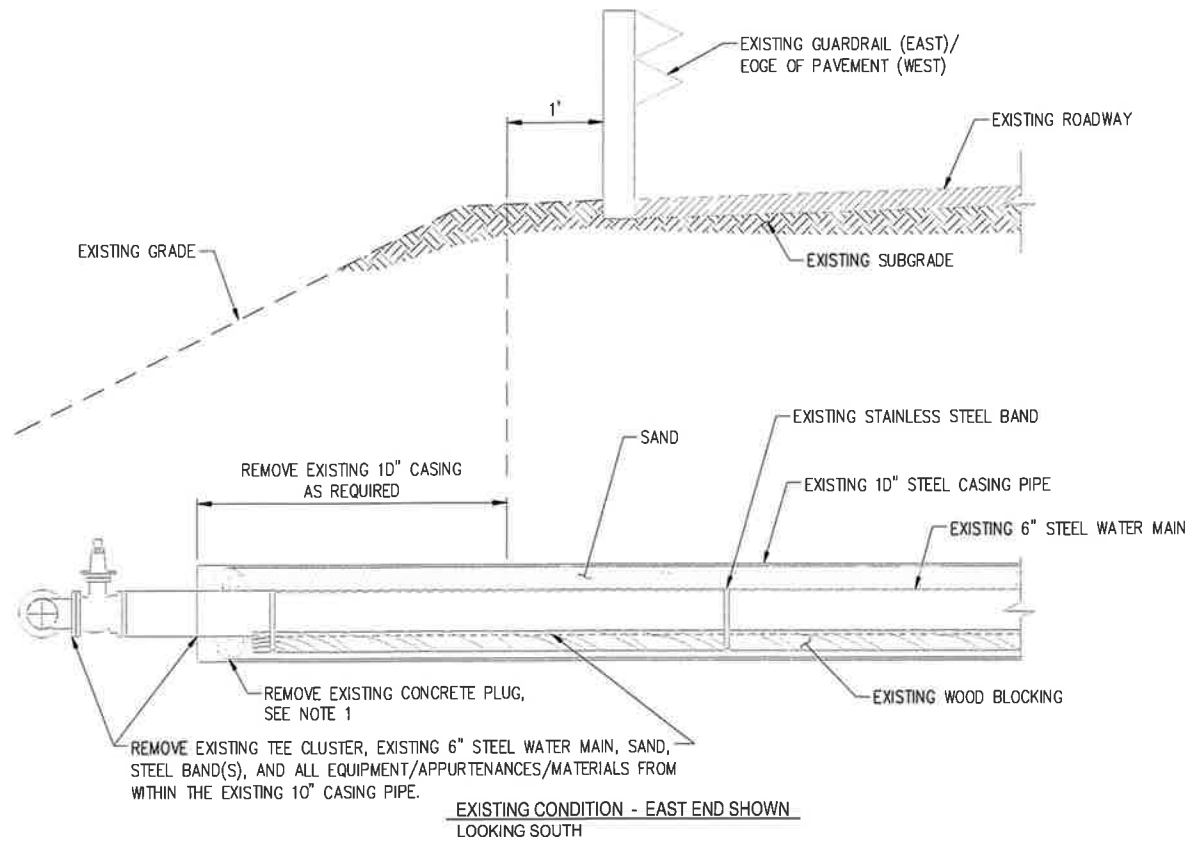
RESTORATION DETAILS
(BID SCHEDULE B)

BID DOCUMENT

CITY PROJECT #:
36224

SHT. **B19**
OF **B29**

J:\PNW\LAKEHAVEN\9\AK040100-2023 On-Call\9\AK040111 - 2025 WMI Pacific Highway South (SR 99) & S. 373rd St\CAD\SheetFiles\9\AK040111\DET-REST01.dwg, 9/22/2026



NOTES:

- 1) CONTRACTOR SHALL EXCAVATE, EXPOSE, AND REMOVE ONE CONCRETE END PLUG AT LEAST 10 WORKING DAYS PRIOR TO REMOVING 6" STEEL WATER MAIN. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF 10' STEEL CASING PIPE IS FILLED WITH CONCRETE OR CDF BEYOND LOCATIONS SHOWN IN DETAIL.
- 2) AFTER REMOVING 6" STEEL WATER MAIN, SAND, AND WOOD BLOCKING CONTRACTOR SHALL CCTV 10" CASING PIPE PRIOR TO CONSTRUCTING TRANSITION COUPLINGS OR EXTENSIONS TO EXISTING 10" CASING PIPE. SEE SPECIAL PROVISION 3-D2.3(9).
- 3) DI SPOOL SHALL EXTEND A MINIMUM 3" ABOVE EXISTING FILL WITHIN JUNCTION BOX.
- 4) OWNERSHIP OF 10" STEEL CASING PIPE, NEW PIPE, AND JUNCTION BOXES SHALL BE TRANSFERRED FROM DISTRICT TO THE CITY OF FEDERAL WAY UPON ACCEPTANCE OF WORK BY BOTH THE CITY AND DISTRICT.
- 5) SEE POTHOLE D2, SHEET B24 FOR EXISTING 10" CASING PIPE DEPTH.
- 6) SEE SCHEDULE A DRAWINGS FOR PROPOSED GRADING, ROADWAY LIMITS, AND OTHER PROPOSED ELEMENTS NOT SPECIFIED IN SCHEDULE B DRAWINGS.

PSOMAS

3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.286.1640
www.psomas.com



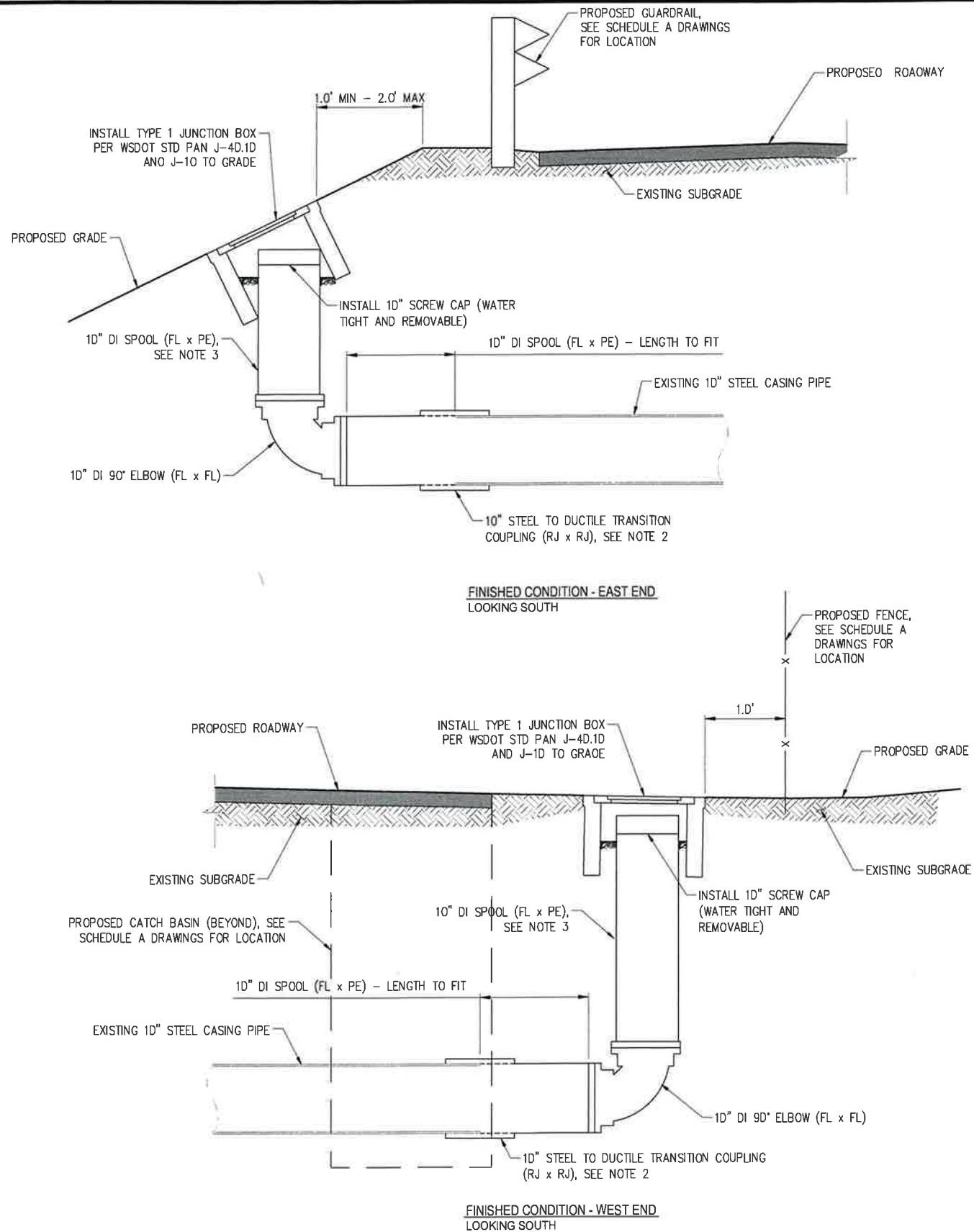
DRAFTED: DPY
DESIGNED: AJO
REVIEWED: SOD
APPROVED:



REPURPOSE 10" STEEL CASING PIPE DETAIL
NTS

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

UNOFFICIAL COPY Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com



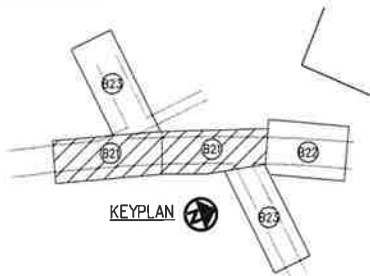
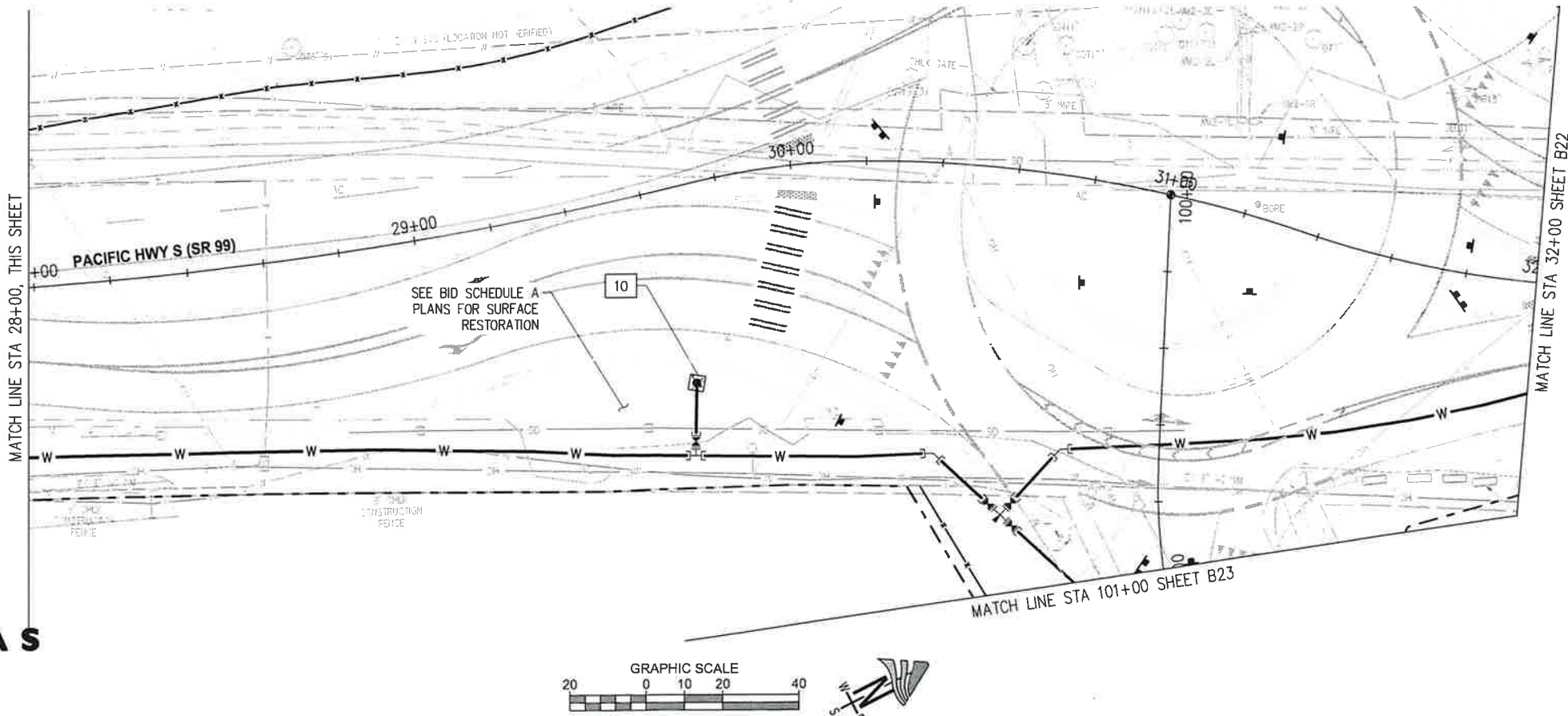
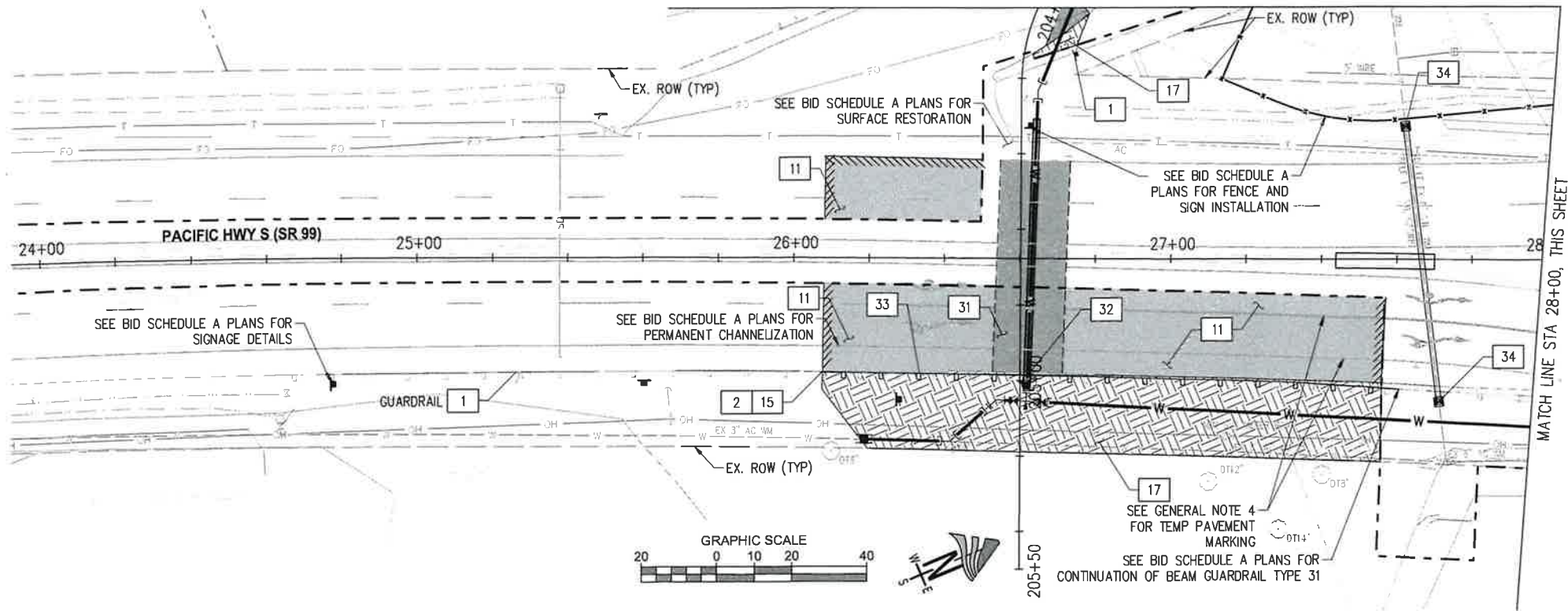
FINISHED CONDITION - WEST END
LOOKING SOUTH

WMI-SR99/S 373RD ST ROUNDABOUT

RESTORATION DETAILS
(BID SCHEDULE B)

BID DOCUMENT

CITY PROJECT #:
36224
SHT. B20
OF B29



GENERAL NOTES

1. CONTRACTOR SHALL IDENTIFY AND MARK IN THE FIELD - PAVEMENT RECONSTRUCTION AND SHOULDER REPAIR LIMITS - FOR CONTRACTING AGENCY APPROVAL PRIOR TO SAWCUTTING.
2. SEE SITE PREP 2-01 FOR SITE RESTORATION REQUIREMENTS.
3. SEE SHEET B19, FOR HMA RESTORATION DETAILS AND SECTIONS OUTSIDE OF SCHEDULE A IMPROVEMENTS.
4. ANY PORTIONS OF DAMAGED OR REMOVED EXISTING PAVEMENT MARKINGS AND SYMBOLS SHALL BE REPLACED WITH TEMPORARY PAVEMENT MARKING TAPE PER WSDOT STD SPEC 9-34.5.

RESTORATION NOTES

- 1 PRESERVE AND PROTECT.
- 2 MATCH EXISTING.
- 10 PROTECTIVE CONCRETE PAD PER LWSD STD DETAIL, SEE CONSTRUCTION NOTE 8 ON WATER PLANS (TYP).
- 11 GRIND (PLANING BITUMINOUS PAVEMENT) AND CL 1/2" 58H-22 FOR WEARING COURSE. FOR DEPTHS, SEE SHEET B19.
- 12 REMOVE AND RESET SIGN ON NEW GALVANIZED SIGN POST AND FOUNDATION PER COFW STD DETAIL FW.G24.50.
- 15 INSTALL BEAM GUARDRAIL TYPE 1 TO BEAM GUARDRAIL TYPE 31 ADAPTOR PER WSDOT STD PLAN C-25.80.
- 17 LAWN RESTORATION PER DETAIL, SHEET B19.
- 31 HMA PAVEMENT RESTORATION, SEE COFW STD DETAIL FW.B55.20-E AND DETAILS, SHEET B19.
- 32 CONTRACTOR SHALL COORDINATE LOCATION OF WATER MAIN CROSSING WITH GUARDRAIL POSTS. WATER MAIN SHALL BE CENTERED BETWEEN GUARD RAIL POST.
- 33 INSTALL BEAM GUARDRAIL TYPE 31 PER WSDOT STD PLAN C-2D.10.
- 34 INSTALL TYPE 1 JUNCTION BOX PER WSDOT STD PLAN J-40.10 AND J-10 SEE DETAIL, SHEET B20 FOR DETAILS.

RESTORATION LEGEND

- HMA CL 1/2" 58H-22 FOR NEW PAVEMENT (SEE SHEET B19 FOR DEPTHS)
- HMA CL 1/2" 58H-22 FOR WEARING COURSE (SEE SHEET B19 FOR DEPTHS)
- LANDSCAPE RESTORATION (SEE DETAIL, SHEET B19)
- GRAVEL RESTORATION
- PAVING LIMITS
- SCHEDULE A RESTORATION LIMITS

PSOMAS

3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.286.1640
www.psomas.com



33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.CITYOFFEDERALWAY.COM



DRAFTED: DPY
DESIGNED: AJO
REVIEWED: SOD
APPROVED:



DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

UNOFFICIAL COPY Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com

WMI-SR99/S 373RD ST ROUNDABOUT

RESTORATION PLANS
STA 24+00 TO STA 32+00
(BID SCHEDULE B)

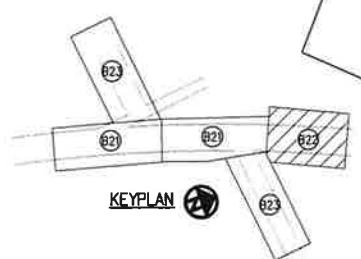
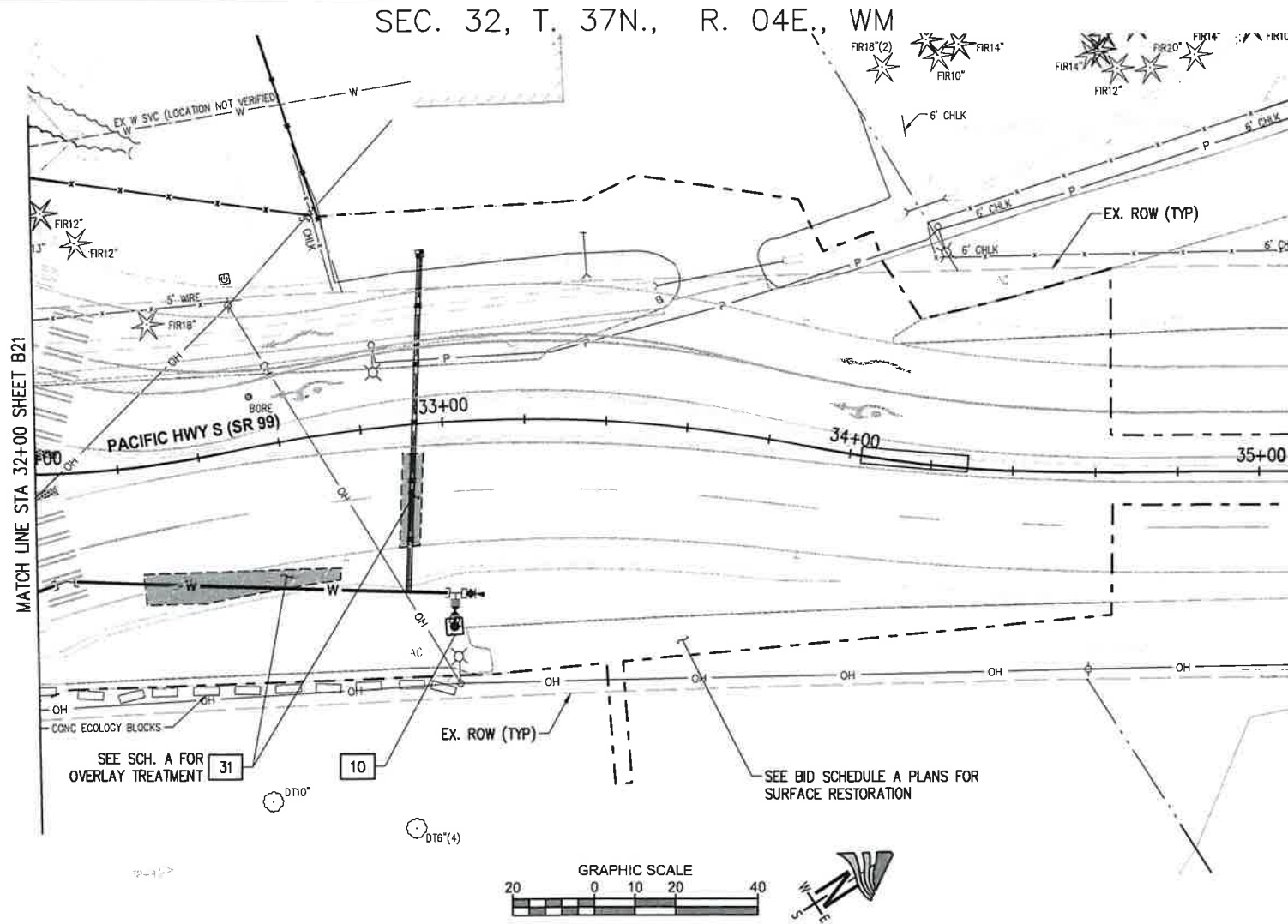
BID DOCUMENT

CITY PROJECT #:
36224

SHT. B21
OF B29

J:\PNW\LAKEHAVEN\LA040100-2023-2025 On-Call\91-AK040111 - 2025 WMI Pacific Highway South (SR 99) & S. 373rd St\ACADD\SheetFiles\91-AK040111\REST01.dwg, 9/16/2026

SEC. 32, T. 37N., R. 04E., WM



GENERAL NOTES

1. CONTRACTOR SHALL IDENTIFY AND MARK IN THE FIELD - PAVEMENT RECONSTRUCTION AND SHOULDER REPAIR LIMITS - FOR CONTRACTING AGENCY APPROVAL PRIOR TO SAWCUTTING.
2. SEE SITE PREP 2-01 FOR SITE RESTORATION REQUIREMENTS.
3. SEE SHEET B19, FOR HMA RESTORATION DETAILS AND SECTIONS OUTSIDE OF SCHEDULE A IMPROVEMENTS.
4. ANY PORTIONS OF DAMAGED OR REMOVED EXISTING PAVEMENT MARKINGS AND SYMBOLS SHALL BE REPLACED WITH TEMPORARY PAVEMENT MARKING TAPE PER WSDOT STD SPEC 9-34.5.

RESTORATION NOTES

- 10 PROTECTIVE CONCRETE PAD PER LWSD STD DETAIL, SEE CONSTRUCTION NOTE 8 ON WATER PLANS (TYP).
- 31 HMA PAVEMENT RESTORATION, SEE COFW STD DETAIL FW.B55.20-E AND DETAILS, SHEET B19.

RESTORATION LEGEND

- HMA CL 1/2" 58H-22 FOR NEW PAVEMENT (SEE SHEET B19 FOR DEPTHS)
- HMA CL 1/2" 58H-22 FOR WEARING COURSE (SEE SHEET B19 FOR DEPTHS)
- LANDSCAPE RESTORATION (SEE DETAIL, SHEET B19)
- GRAVEL RESTORATION
- PAVING LIMITS
- SCHEDULE A RESTORATION LIMITS

PSOMAS

3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.286.1640
www.psomas.com

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.CITYOFFEDERALWAY.COM



DRAFTED: DPY
DESIGNED: AJO
REVIEWED: SOD
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

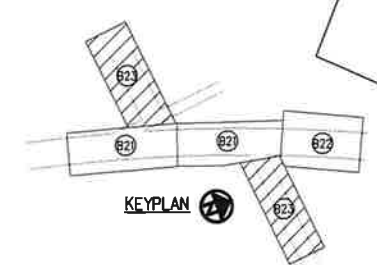
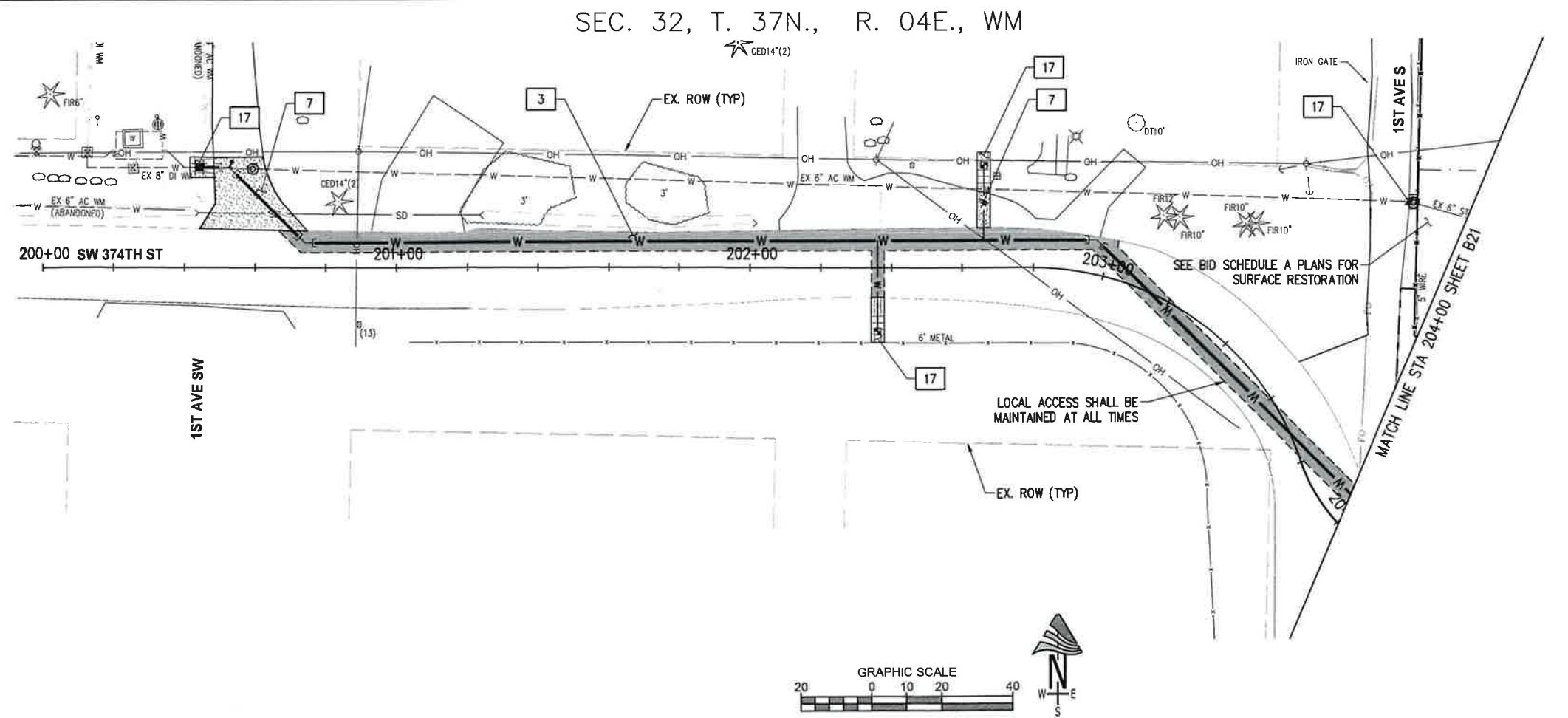
WMI-SR99/S 373RD ST ROUNDABOUT

RESTORATION PLANS
STA 32+00 TO STA 36+00
(BID SCHEDULE B)

BID DOCUMENT

CITY PROJECT #:
36224
SHT. **B22**
OF **B29**

J:\P\W\LAKEHAVEN\LAKE00100-2023-2025 On-Call\SR 99\SR 99 & S. 373rd St\AC\Sheet\Final\SR 99 & S. 373rd St\AC\Sheet\Final\SR 99 & S. 373rd St.dwg, 9/16/2026

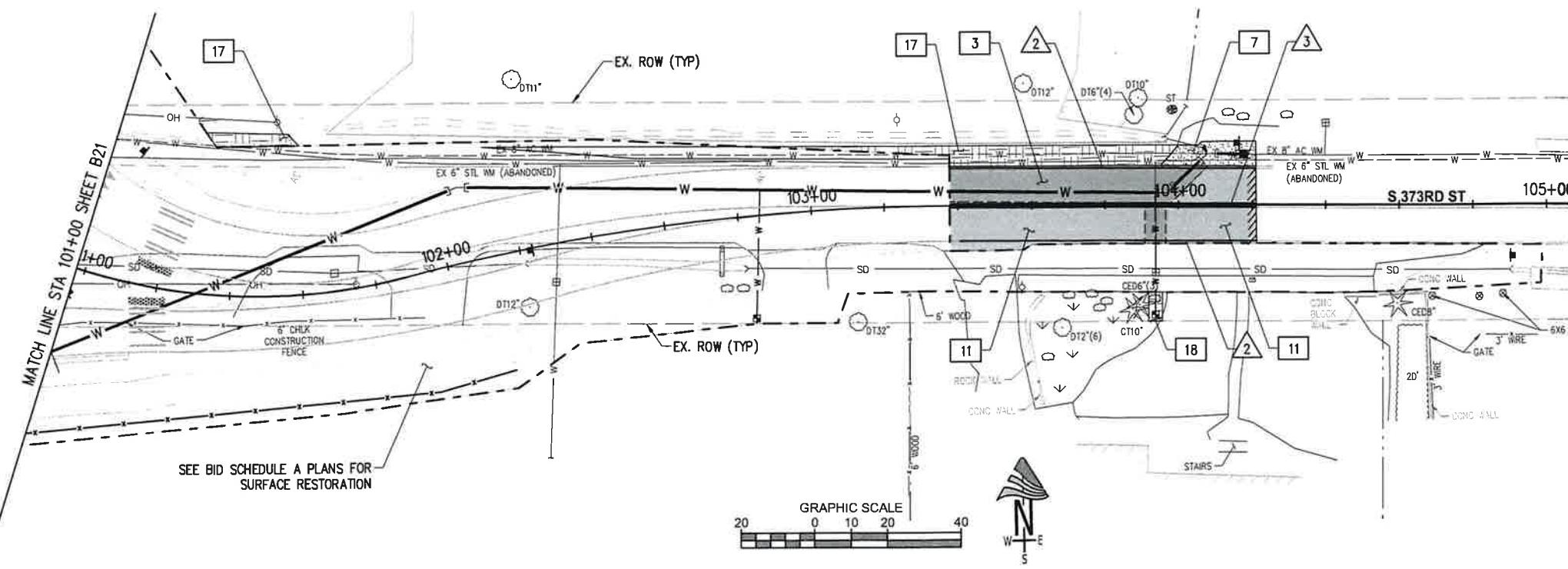


- GENERAL NOTES**
1. CONTRACTOR SHALL IDENTIFY AND MARK IN THE FIELD - PAVEMENT RECONSTRUCTION AND SHOULDER REPAIR LIMITS - FOR CONTRACTING AGENCY APPROVAL PRIOR TO SAWCUTTING.
 2. SEE SITE PREP 2-01 FOR SITE RESTORATION REQUIREMENTS.
 3. SEE SHEET B19, FOR HMA RESTORATION DETAILS AND SECTIONS OUTSIDE OF SCHEDULE A IMPROVEMENTS.
 4. ANY PORTIONS OF DAMAGED OR REMOVED EXISTING PAVEMENT MARKINGS AND SYMBOLS SHALL BE REPLACED WITH TEMPORARY PAVEMENT MARKING TAPE PER WSDOT STD SPEC 9-34.5.

- RESTORATION NOTES**
- 3 HMA FOR NEW PAVEMENT, SEE DETAIL, SHEET B19.
 - 7 GRAVEL RESTORATION, SEE SECTION, SHEET B19.
 - 11 GRIND (PLANING BITUMINOUS PAVEMENT) AND CL 1/2" 58H-22 FOR WEARING COURSE. FOR DEPTHS, SEE SHEET B19.
 - 17 LAWN RESTORATION PER DETAIL, SHEET B19.
 - 18 LANDSCAPE RESTORATION AREA; INSTALL 6" TOPSOIL TYPE A, TYP.

- CHANNELIZATION NOTES**
- 2 4" WHITE PLASTIC EDGE LINE TYPE D PER COFW STANDARD DETAIL FW.M20.30.
 - 3 4" YELLOW PROFILED DOUBLE YELLOW CENTERLINE (TYPE D WITH MONO-DIRECTIONAL TYPE 2W RPMS) PER COFW STANDARD DETAIL FW.M20.40.

- RESTORATION LEGEND**
- HMA CL 1/2" 58H-22 FOR NEW PAVEMENT (SEE SHEET B19 FOR DEPTHS)
 - HMA CL 1/2" 58H-22 FOR WEARING COURSE (SEE SHEET B19 FOR DEPTHS)
 - LANDSCAPE RESTORATION (SEE DETAIL, SHEET B19)
 - GRAVEL RESTORATION
 - PAVING LIMITS
 - SCHEDULE A RESTORATION LIMITS



PSOMAS

3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.286.1640
www.psomas.com

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.CITYOFFEDERALWAY.COM

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

DRAFTED: DPY
DESIGNED: AJO
REVIEWED: SOD
APPROVED:



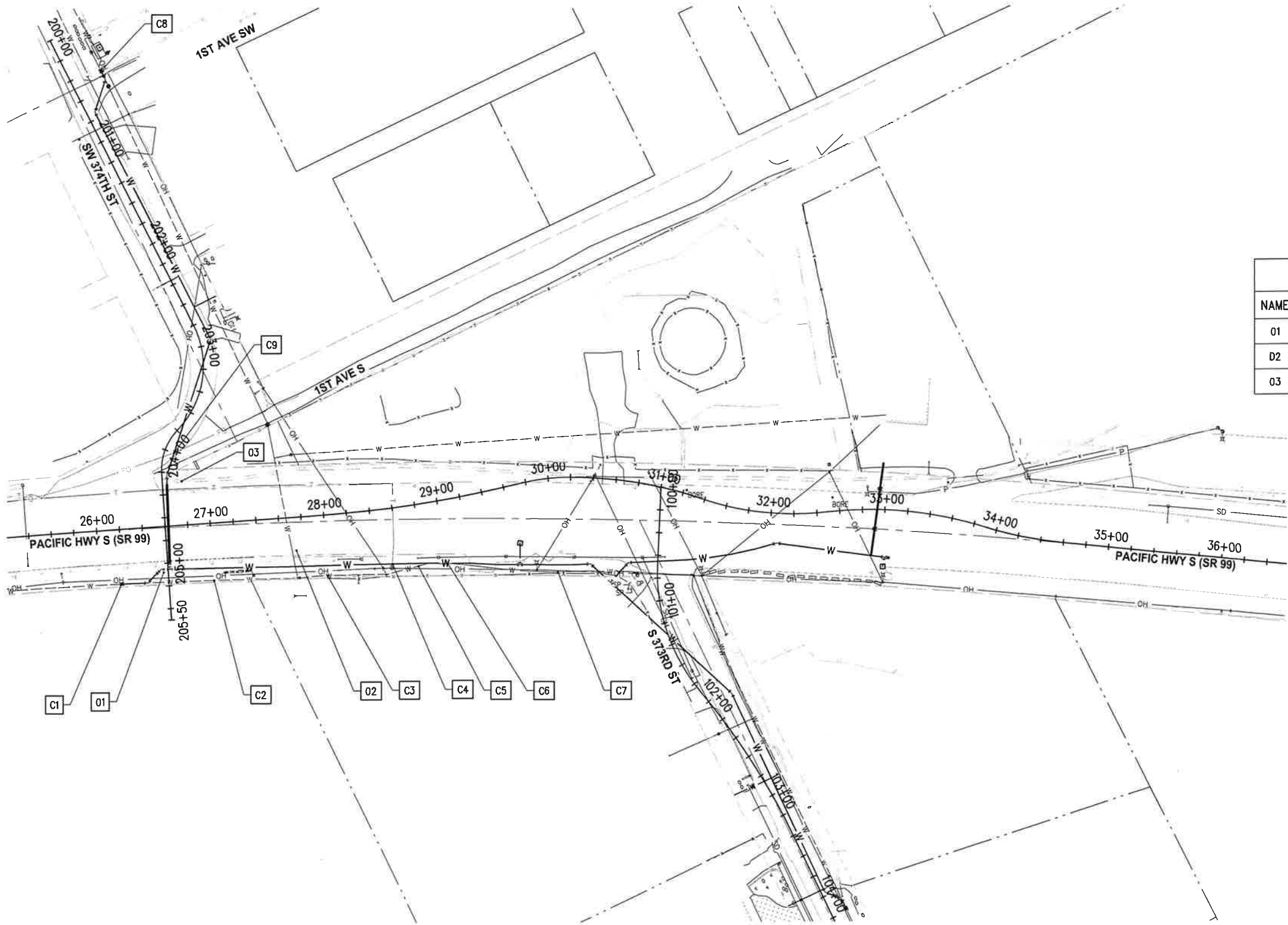
DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

WMI-SR99/S 373RD ST ROUNDABOUT
RESTORATION PLANS
STA 201+00 TO STA 204+00 & STA 101+50 TO STA 105+00
(BID SCHEDULE B)

BID DOCUMENT

CITY PROJECT #:	36224
SHT.	B23
OF	B29

J:\PNW\LAKEHAVEN\9\AK040100-2023-2025 On-Call\9\AK040111 - 2025 WMI Pacific Highway South (SR 99) & S 373rd SW\CAD\SheetFiles\9\AK040111\POTHOLE01.dwg, 9/16/2026



GENERAL NOTES

- DESIGN POTHOLE LOCATIONS WERE COMPLETED BY APPLIED PROFESSIONAL SERVICES (APS) ON 04/28/25
- UTILITY DEPTHS ARE FROM TOP OF EXISTING PAVEMENT TO TOP OF EXISTING UTILITY.
- POTHOLE DATA IS PROVIDED FOR REFERENCE ONLY.
- CONTRACTOR SHALL COMPLETE POTHOLING WITHIN FIRST 10 WORKING DAYS OF THE CONTRACT AND PROVIDE INFORMATION TO ENGINEER MINIMUM 7 WORKING DAYS PRIOR TO BEGINNING WATER MAIN WORK.
- LOCATION OF POTHOLE SHALL BE PROVIDED WITH OFFSET FROM CENTERLINE.

DESIGN POTHOLE DATA

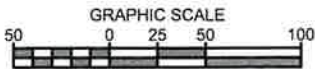
NAME	ALIGNMENT	STA/OFF	TYPE	UTILITY DEPTH	PAVEMENT THICKNESS
01	SR 99	26+56.28, 40.20 RT	8" AC WATER	48"	N/A
D2	SR 99	27+74.19, 29.27 RT	10" STEEL WATER	74"	N/A
03	SR 99	26+77.36, 38.62 LT	4" PVC COMM	44"	N/A

CONTRACTOR POTHOLE DATA

NAME	ALIGNMENT	STATION-OFFSET	TYPE	UTILITY DEPTH
C1	CL-SR99	26+18.91, 47.98 RT	8" AC WATER	
C2	CL-SR99	27+00.00, 50.40 RT	8" AC WATER	
C3	CL-SR99	28+00.00, 53.44 RT	6" AC WATER	
C4	CL-SR99	28+54.60, 48.81 RT	COMM	
C5	CL-SR99	28+75.84, 53.99 RT	6" AC WATER	
C6	CL-SR99	29+00.00, 55.46 RT	6" AC WATER	
C7	CL-SR99	30+00.00, 82.42 RT	6" AC WATER	
C8	SW 374TH ST	200+44.11, 28.24 LT	8" DI WATER	
C9	SW 374TH ST	203+99.57, 8.38 LT	8" OI WATER	

PSOMAS

3131 ELLIOTT AVENUE,
SUITE 400
SEATTLE, WA 98121
206.286.1640
www.psomas.com



DRAFTED: DPY
DESIGNED: AJO
REVIEWED: SOD
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

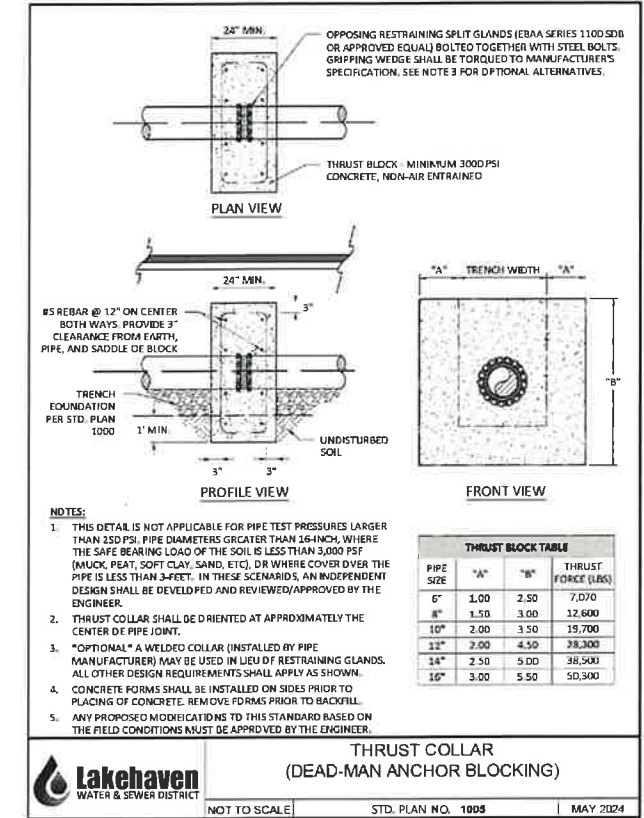
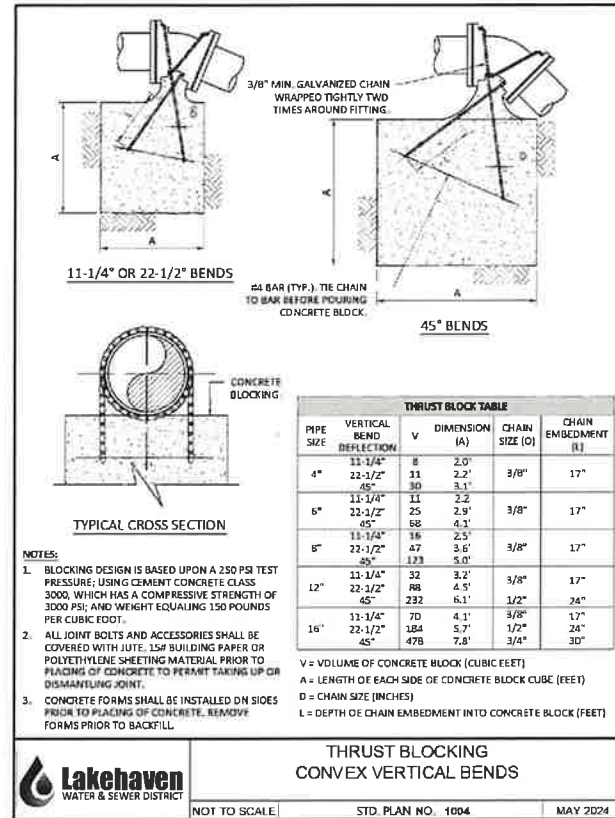
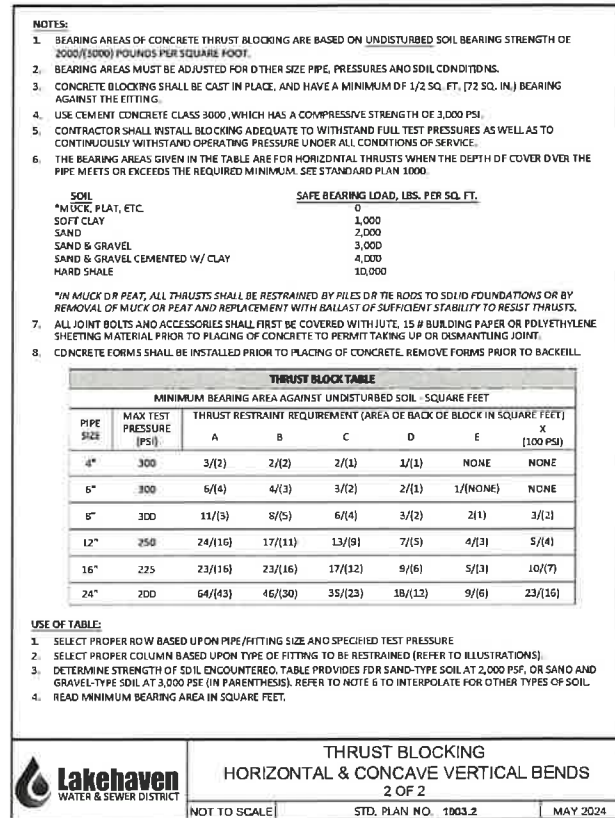
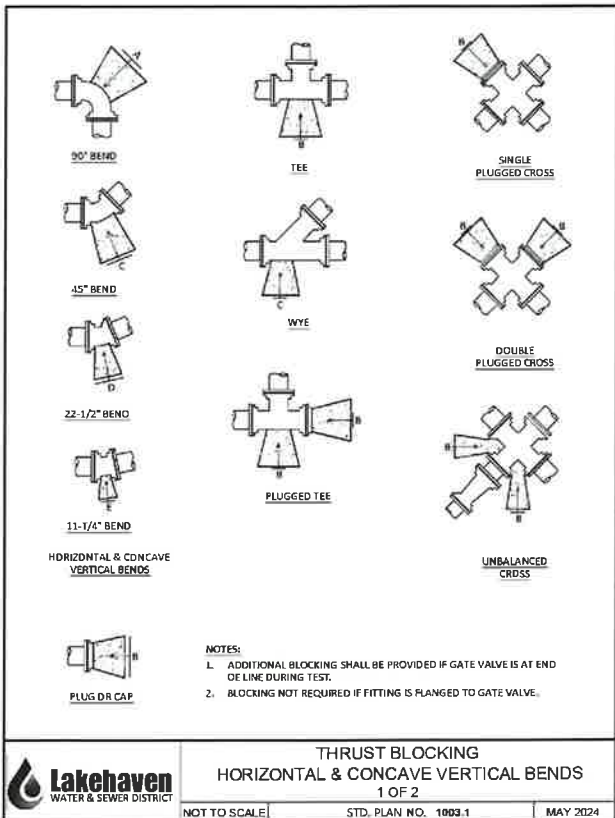
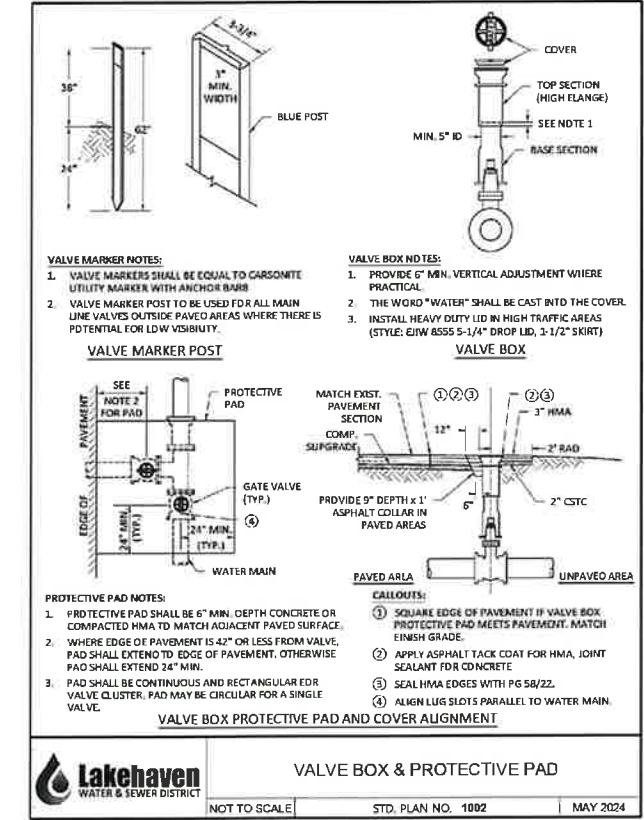
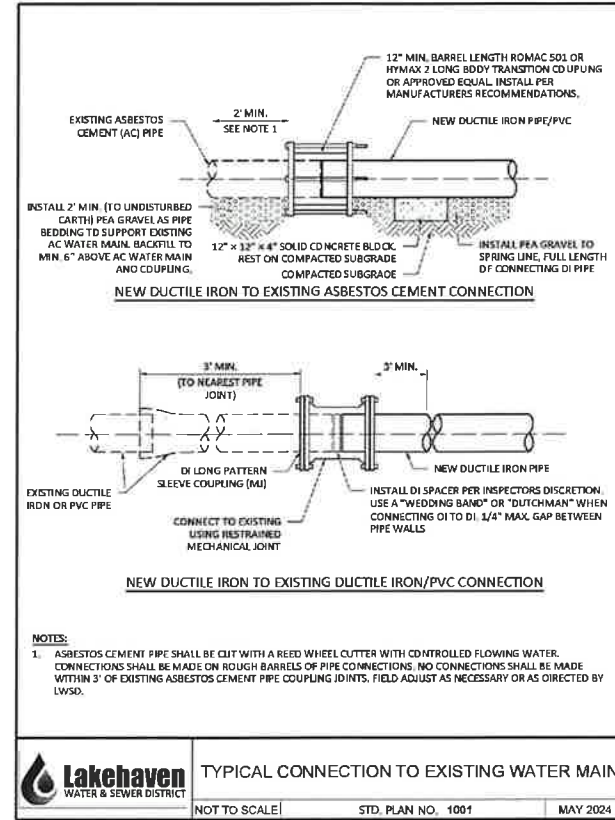
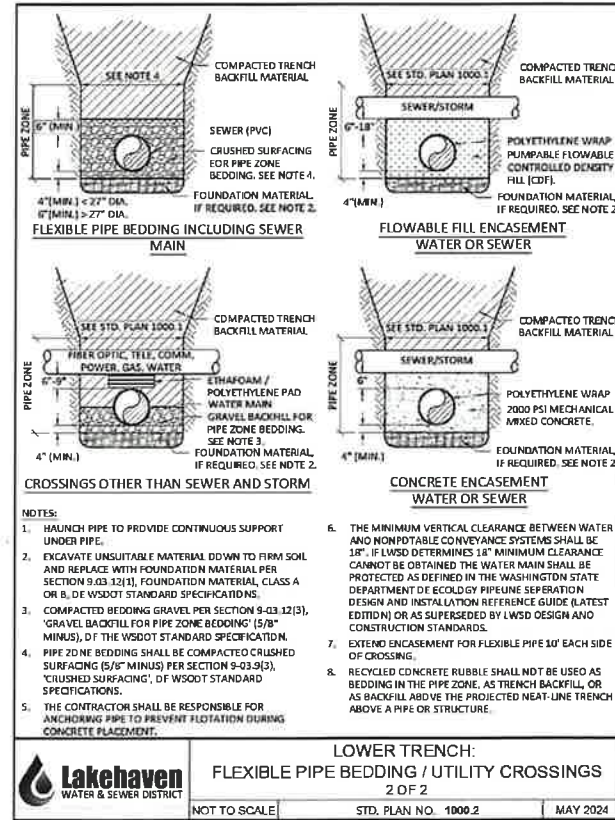
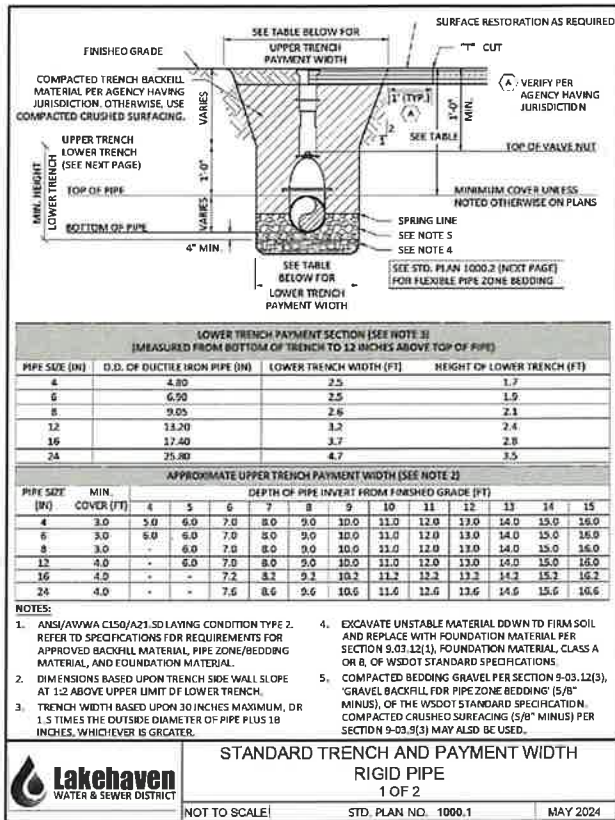
WMI-SR99/S 373RD ST ROUNDABOUT

POTHOLE PLANS
(BID SCHEDULE B)

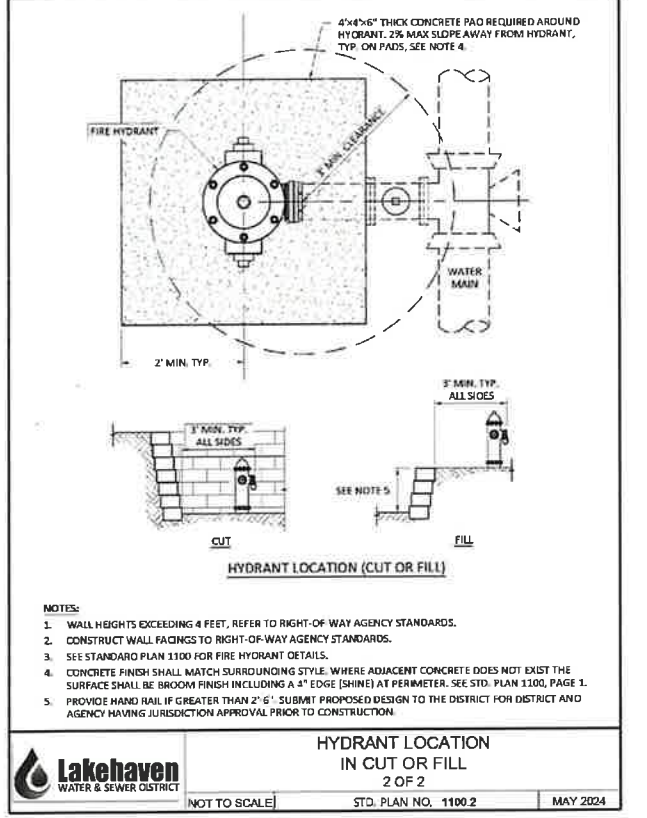
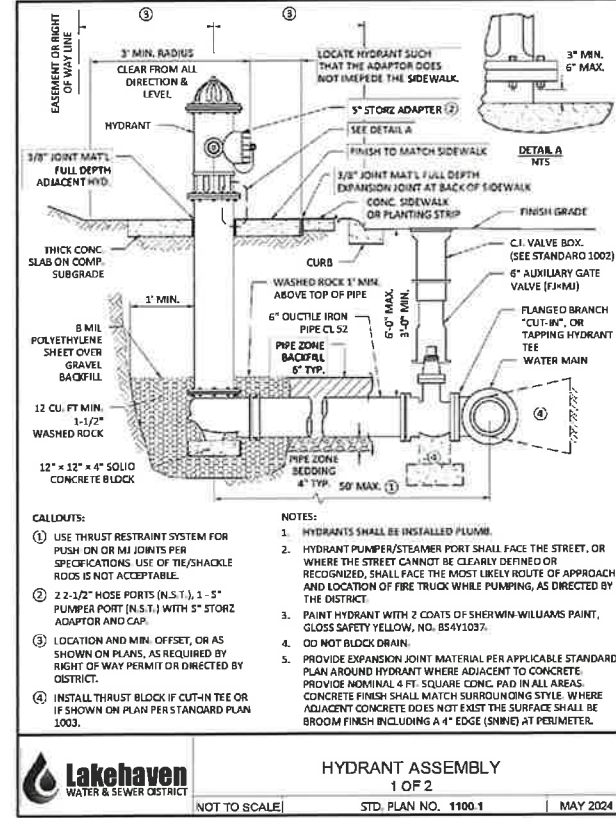
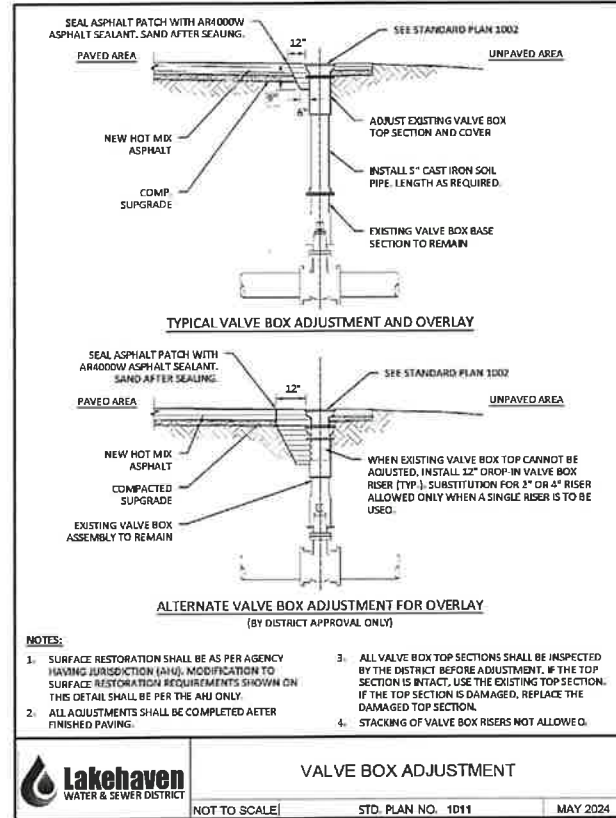
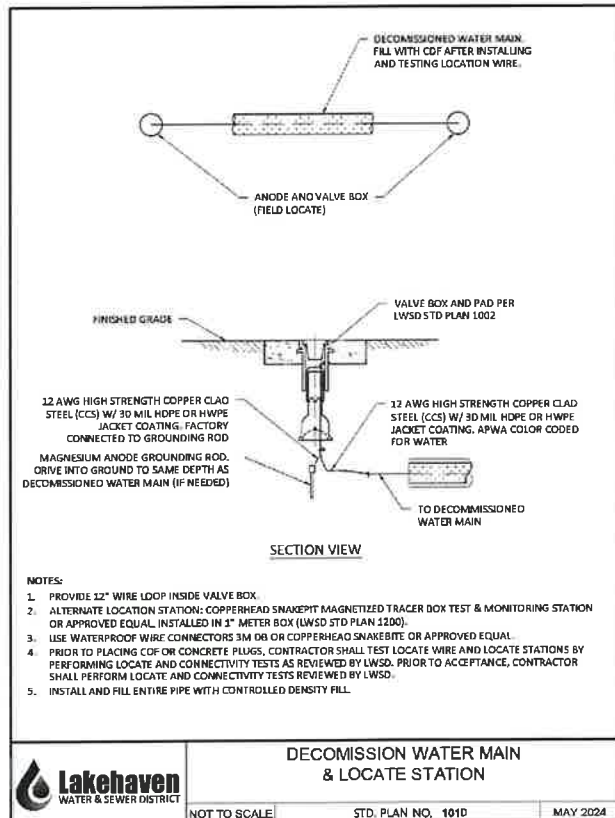
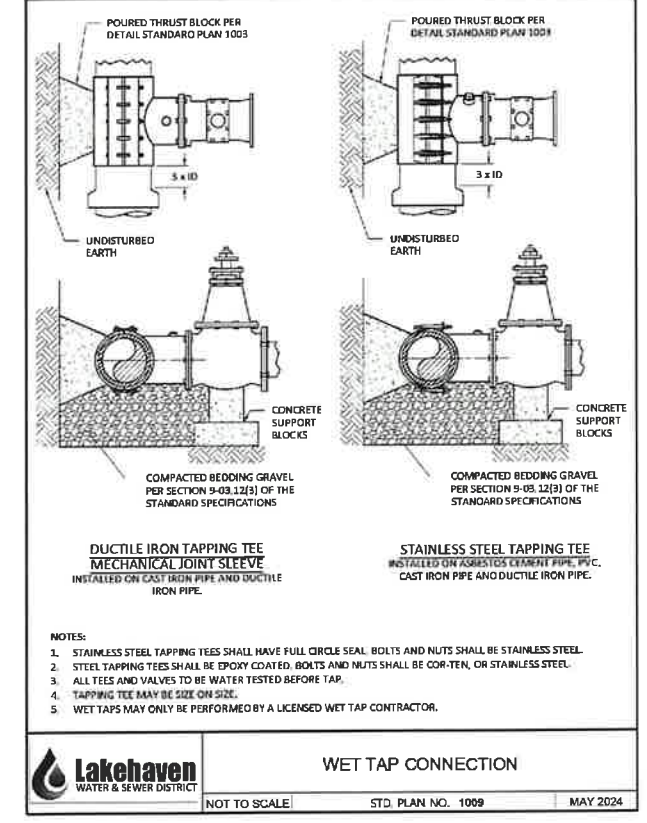
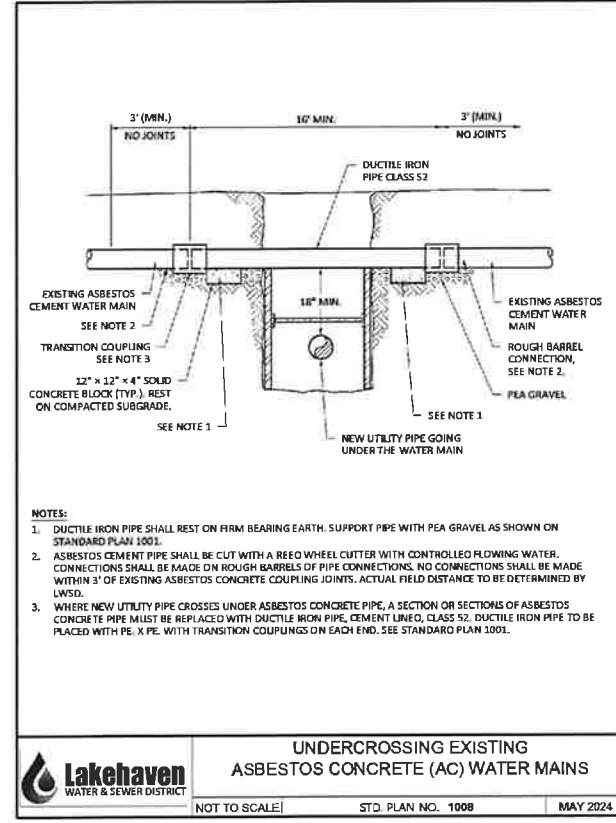
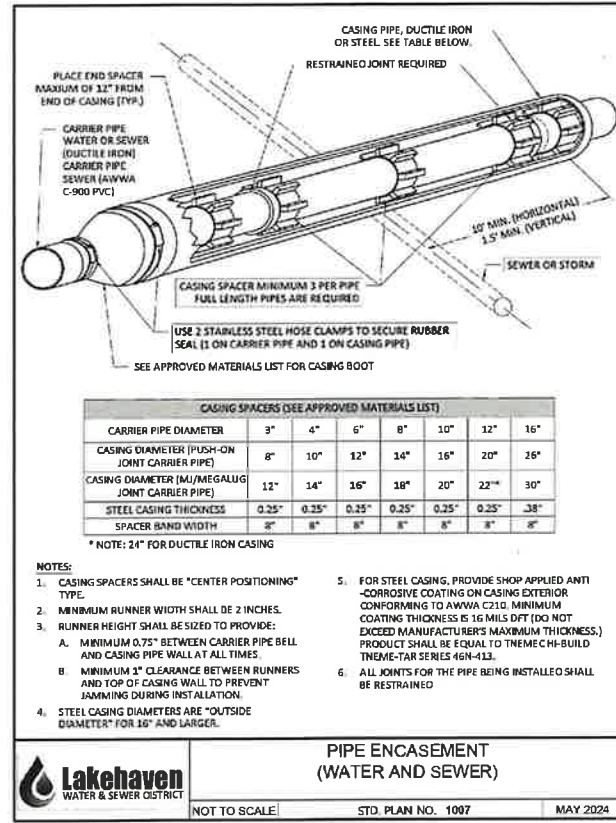
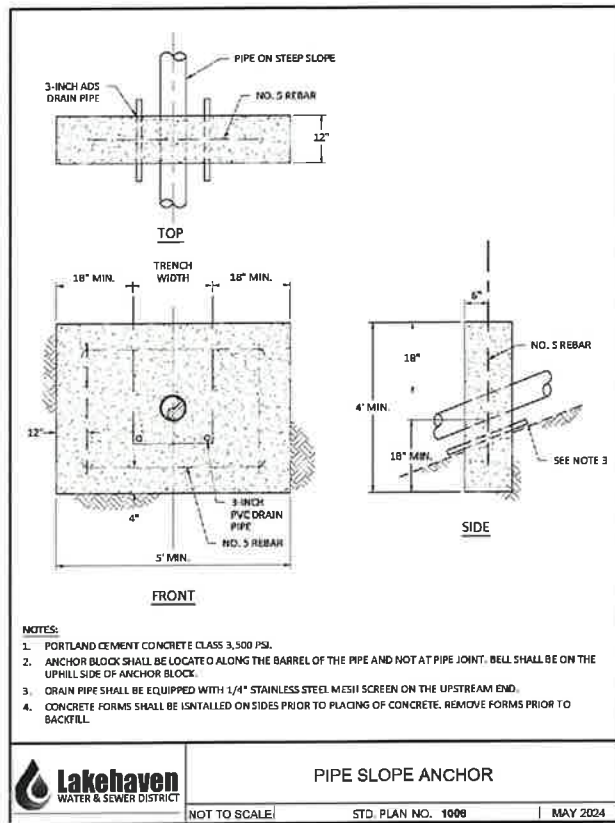
BID DOCUMENT

CITY PROJECT #:
36224

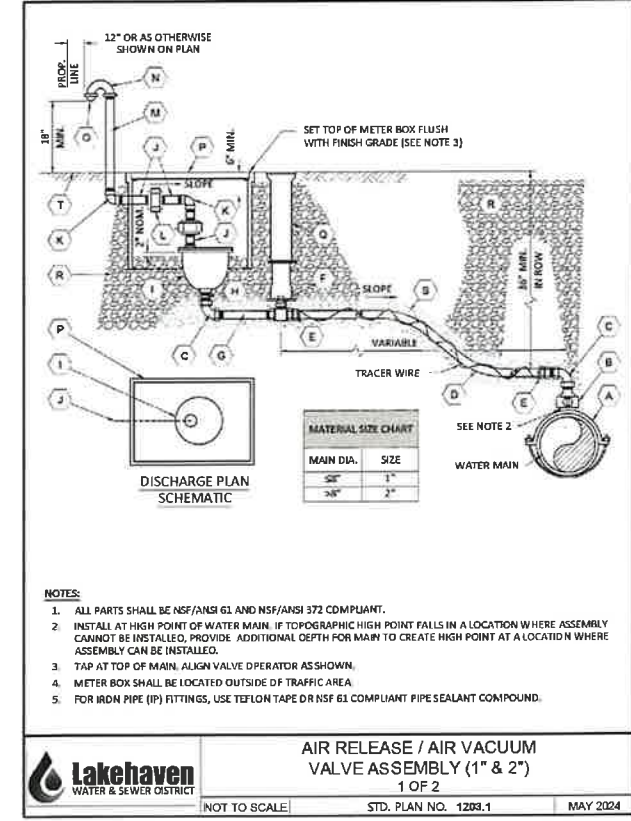
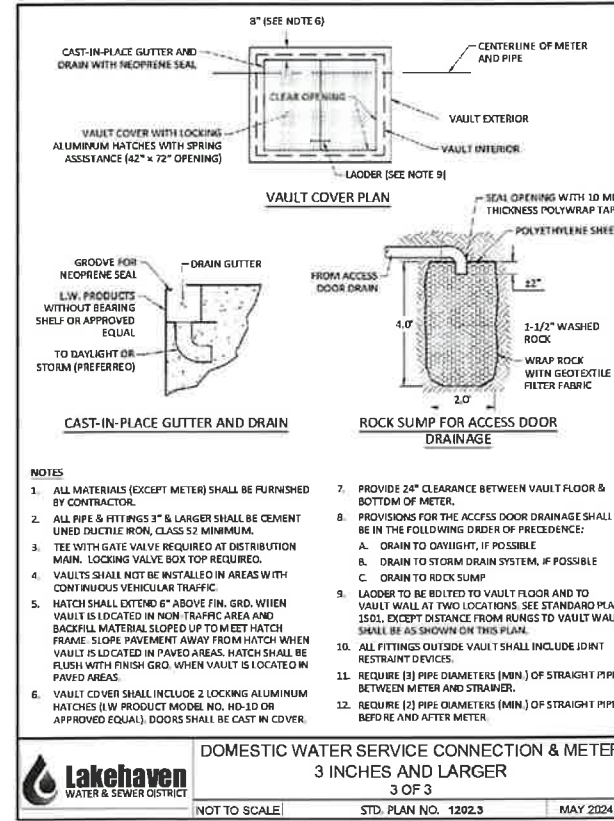
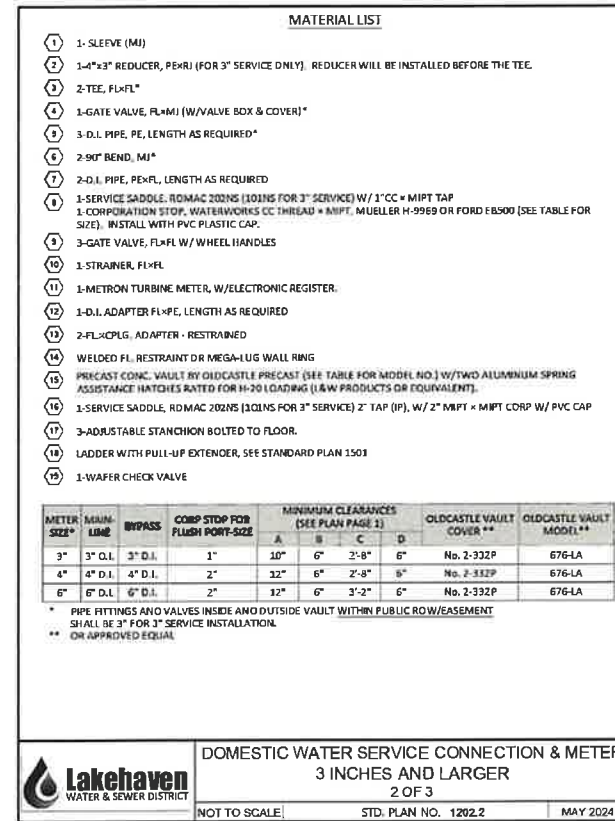
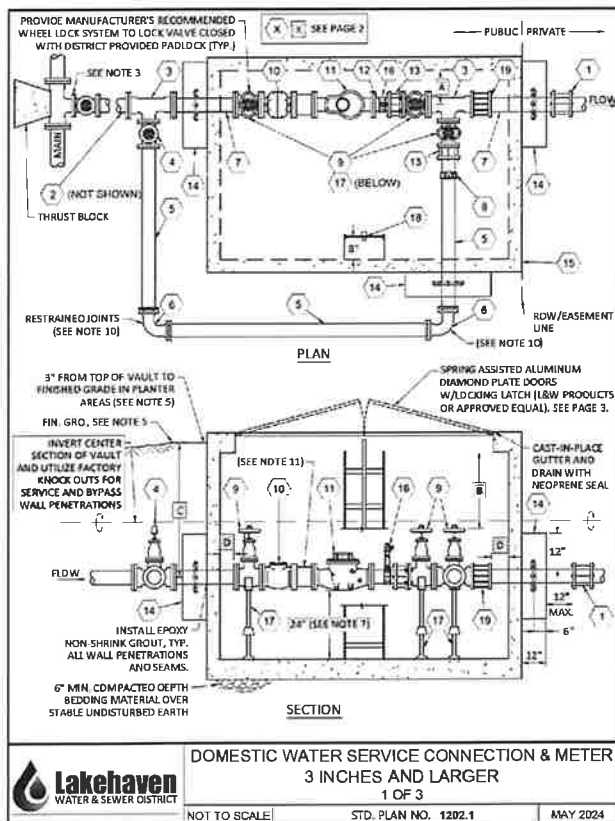
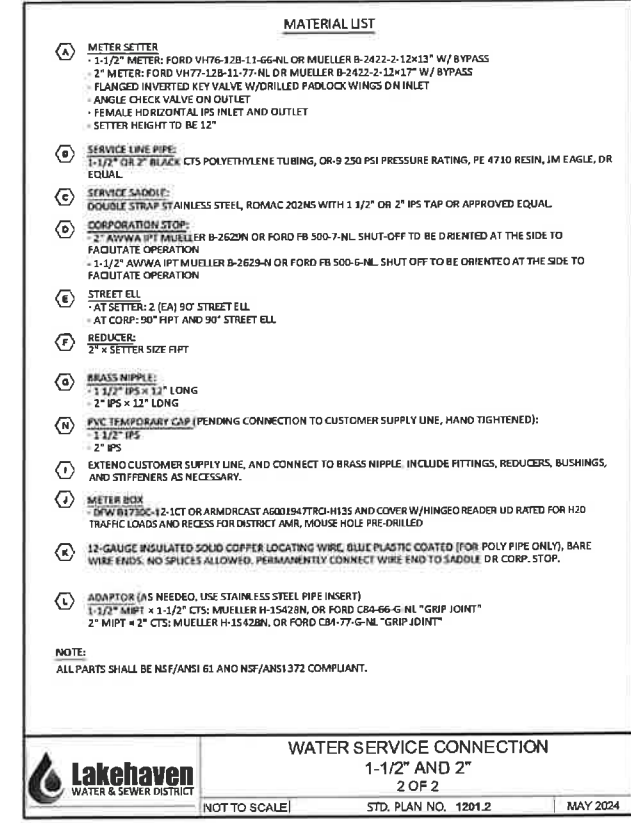
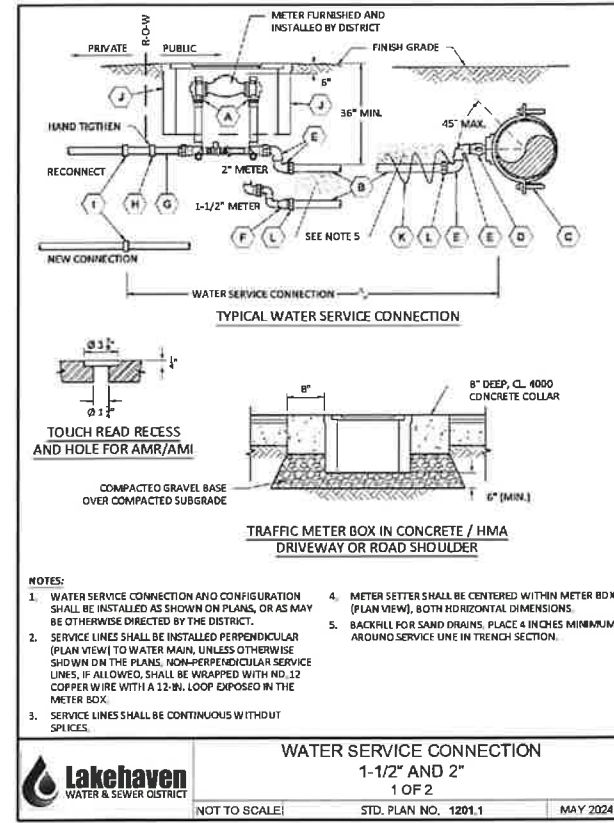
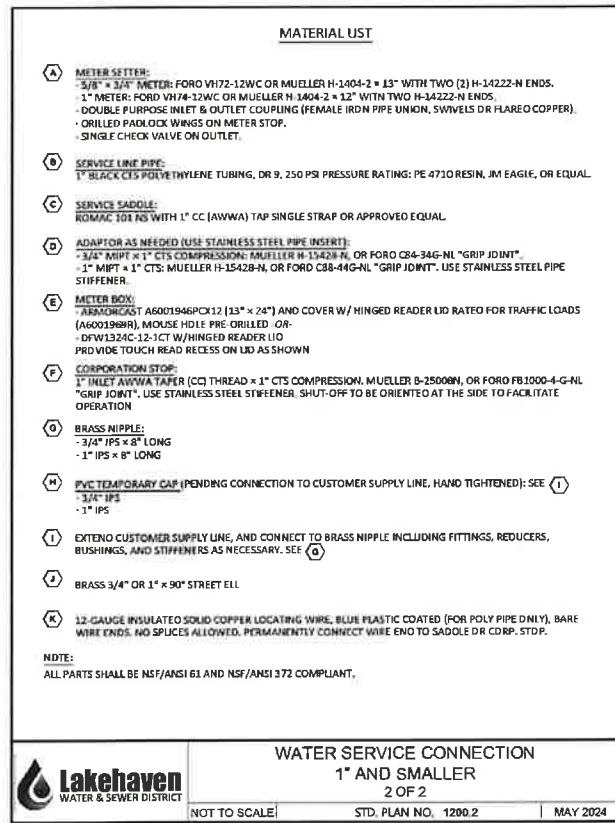
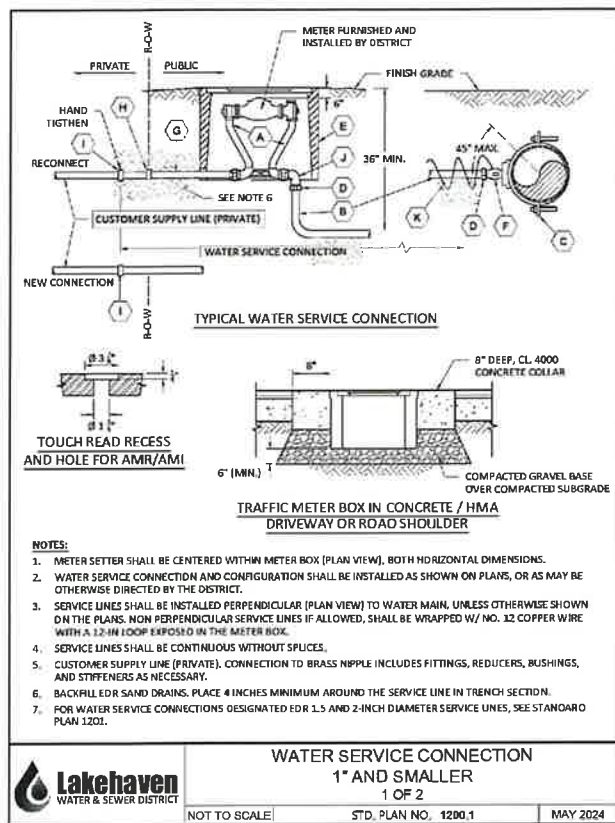
SHT. B24
OF B29



J:\PNW\LAKEHAVEN\BID\AK040100-2023-2025 On-Cam\BID\AK040111-2025 WMI Pacific Highway South (SR 99) & S 373rd St\BID\AK040111DET-LWSD STD PLANS.dwg, 9/16/2024



J:\P\W\LAKEHAVEN\LAKE040100-2023-2025 On-Call\SR99\LAKE040111-2025 WMI Pacific Highway South (SR 99) & S. 373rd St\SHEET\SR99\LAKE040111.DET-LWSD STD PLANS.dwg, 9/16/2025



J:\P\W\LAKEHAVEN\BID\2023-2025 On-Call\BID\AK040111 - 2025 WMI Pacific Highway South (SR 99) & S. 373rd St\BID\STD PLANS.dwg, 9/16/2025

MATERIAL INDEX		
(A)	SERVICE SADDLE 2" SINGLE STRAP (ROMAC 101NS) 1" AWWA/CCTAP OR APPROVED EQUAL 2" DOUBLE STRAP (ROMAC 202NS) 2" IPS TAP OR APPROVED EQUAL	
(B)	CORPORATION STOP 1" INLET AWWA/CCT TAPER THREAD x 1" MIPT (MUELLER B-296GN, OR FORD FB400-4-NL), 2" MIPT/MIPT (MUELLER B-296GN, OR FORD FB500-7-NL)	
(C)	BRASS 90° ELBOW 1" OR 2" IPS	
(D)	PIPE 1" OR 2" BLACK CTS POLYETHYLENE TUBING, PE 4710, SDR 9, 250 PSI	
(E)	ADAPTER (USE PIPE INSERTS) 1" MIPT x 1" CTS (MUELLER H-1542BN OR FORD CB444-G-NL) 2" MIPT x 2" CTS (MUELLER H-1542BN OR FORD CB777-G-NL)	
(F)	1" BALL VALVE CURB STOP BRASS, 300 PSI WORKING PRESSURE, FNPRIP FORD B11-444-NL, MUELLER B-2028AN	
(G)	2" GATE VALVE 300 PSI WORKING PRESSURE, FNPRIP, AWWA C-509, 2" SQUARE WRENCH NUT CLOW MODEL 2639 OR APPROVED EQUAL	
(H)	BRASS NIPPLE 1" IPS OR 2" IPS x 3" LONG	
(I)	BRASS NIPPLE 1" IPS x 3" LONG, 2" IPS x 3" LONG	
(J)	COMBINATION AIR RELEASE/VACUUM VALVE, CENTER LATERALLY IN BOX 1" APCO 143C, CRISPIN UL-20, OR EQUAL 2" APCO 145C, CRISPIN UL-20, OR EQUAL	
(K)	GALVANIZED IRON NIPPLE 1" OR 2" IPS	
(L)	GALVANIZED IRON 90° ELBOW 1" OR 2" IPS	
(M)	GALVANIZED IRON UNION, 1" OR 2" IPS	
(N)	GALVANIZED IRON PIPE 1" OR 2" IPS, SCHED 40, LENGTH TO FIT. PAINT ABOVE FINISH GRADE WITH 2 COATS SHERWIN WILLIAMS PAINT, GLOSS SAFETY YELLOW, NO. 85437.	
(O)	GALVANIZED IRON 180° RETURN BEND, 1" OR 2" IPS	
(P)	COPPER BEEHIVE BLOW-OFF STRAINER 1" OR 2" IPS	
(Q)	BOX: DFW B1730C-12-1CT OR ARMORCAST A6001640PCX12 (COVER: A6001647TRCI W/ CAST IRON READER LID)	
(R)	CAST IRON VALVE BOX AND LID, PER STD PLAN 1102	
(S)	APPROVED TRENCH BACKFILL PER AGENCY HAVING JURISDICTION.	
(T)	BACKFILL FOR SAND DRAINS. PLACE 4-IN. MIN. AROUND SERVICE LINE IN TRENCH SECTION	
(U)	SURFACING DEPTH AND MATERIALS SHALL MATCH EXISTING OR IMPROVEMENTS AS SHOWN ON PLANS	

AIR RELEASE / AIR VACUUM VALVE ASSEMBLY (1" & 2")
2 OF 2

NOT TO SCALE | STD. PLAN NO. 1203.2 | MAY 2024

	PERMANENT BLOWOFF ASSEMBLY NOT TO SCALE STD. PLAN NO. 1204.1 MAY 2024
--	--

	PERMANENT BLOWOFF ASSEMBLY (IN HIGH TRAFFIC AREAS) NOT TO SCALE STD. PLAN NO. 1204.2 MAY 2024
--	--

	WATER SAMPLING STATION NOT TO SCALE STD. PLAN NO. 1205 MAY 2024
--	--

	CUBE LAUNCH ASSEMBLY 12 IN. & 14 IN. 1 OF 2 NOT TO SCALE STD. PLAN NO. 1208.1 MAY 2024
--	---

CUBE LAUNCH ASSEMBLY 12 IN. & 14 IN. 2 OF 2 NOT TO SCALE STD. PLAN NO. 1208.2 MAY 2024	CUBE LAUNCH ASSEMBLY 12 IN. & 14 IN. 2 OF 2 NOT TO SCALE STD. PLAN NO. 1208.2 MAY 2024
---	---

	TEMPORARY BLOWOFF ASSEMBLY NOT TO SCALE STD. PLAN NO. 1300 MAY 2024
--	--

	TEMPORARY WATER MAIN AND WATER SERVICES 1 OF 2 NOT TO SCALE STD. PLAN NO. 1301.1 MAY 2024
--	--

