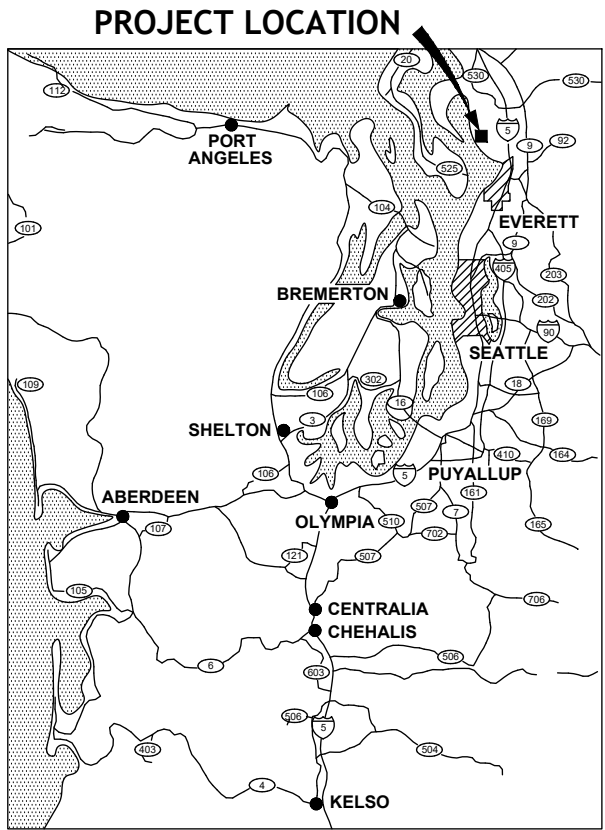


THE TULALIP TRIBES

WATER SYSTEM IMPROVEMENTS



HERMOSA BEACH ROAD AND FRYBERG ESTATES, MISSION BEACH ROAD, AND 88TH ST NE TULALIP INDIAN RESERVATION SNOHOMISH COUNTY



VICINITY MAP
NO SCALE



**HERMOSA BEACH RD AND FRYBERG ESTATES
LOCATION MAP**
NO SCALE



**MISSION BEACH RD
LOCATION MAP**
NO SCALE



**88TH ST NE
LOCATION MAP**
NO SCALE

DESIGN STANDARDS:

WSDOT DESIGN MANUAL 2024
WSDOT STANDARD PLANS 2024
SNOHOMISH COUNTY ENGINEERING DESIGN AND
DEVELOPMENT STANDARDS 2021

STANDARD SPECIFICATIONS:

WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND
MUNICIPAL CONSTRUCTION 2024

OWNER:

THE TULALIP TRIBES
6406 MARINE DR
TULALIP, WA 98271
ATTN: CHRISTINA PARKER
CELL: (360) 913-4205
OFFICE: (360) 716-5024

ENGINEER:

PARAMETRIX
719 2ND AVE, #200
SEATTLE, WA 98104
ATTN: HAPPY LONGFELLOW
OFFICE: (206) 394-3700



07-29-2025

Parametrix

1019 39th Avenue SE, Suite 100 • Puyallup, WA 98374
Ph: 253.604.6600

PROJECT NAME

**THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS**
TULALIP WASHINGTON

**COVER SHEET, PROJECT
VICINITY & LOCATION MAPS**

DRAWING NO.
1 OF 50

G1


















































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PATH: \\parametrix.com\pmx\PSO\Projects\Clients\1598-Tulalip Tribes\1598-Tulalip Tribes\158 Tulalip Bay Water System\99Sves\CADD\DWG\Water - Hermosa-Mission-68th-Waterworks LAYOUT: G2 PLOTTED BY: mohmojou DATE: Tuesday, July 29, 2025 8:32:32 PM

LEGEND

PROPOSED

EXISTING

	FOUND CASED/SURFACE MONUMENT
	FOUND REBAR AND CAP
	SET HUB & MAG NAIL
	SET REBAR WITH CAP
	DECIDUOUS TREE
	CONIFER TREE
	SIGN
	CATCH BASIN
	AREA DRAIN
	POWER GUY ANCHOR
	POWER GUY
	POWER POLE
	POWER POLE WITH DROP LINE, TRANSFORMER
	POWER JUNCTION BOX
	POWER METER
	POWER MANHOLE
	TELEPHONE HAND HOLE
	POWER POLE WITH LIGHT AND TRANSFORMER
	LIGHT STANDARD
	GATE POST
	WATER METER
	FIRE HYDRANT ASSEMBLY
	GATE VALVE
	BLOWOFF ASSEMBLY
	ARV ASSEMBLY
	MAIL BOX
	WOOD POST
	FLAG POST
	STANDARD MANHOLE
	UNDERGROUND TELECOM
	UNDERGROUND POWER
	OVERHEAD POWER
	WATER SERVICE LINE, SIZE AS NOTED
	WATER LINE, SIZE AS NOTED
	SANITARY SEWER GRAVITY MAIN, SIZE AS NOTED
	STORM DRAIN PIPE, SIZE AS NOTED
	EDGE OF ASPHALT PAVEMENT
	CHAIN LINK FENCE
	BUILDING OUTLINE
	EDGE OF VEGETATION
	ROCKERY WALL
	PROPERTY LINE
	LOT LINE
	MINOR CONTOUR, 1 FT
	MAJOR CONTOUR, 5 FT
	LOT LINE
	RIGHT OF WAY LINE

ABBREVIATIONS

AGG	AGGREGATE	G	GAS	SERV	SERVICE
APPROX	APPROXIMATE	GND	GROUND	SHT	SHEET
APWA	AMERICAN PUBLIC WORKS ASSOCIATION	GR	GRADE	SL	SLOPE, RAW SLUDGE
ASPH	ASPHALT	GULD	GENERAL USE LEVEL DESIGNATION	SPEC	SPECIFICATION
ASSY	ASSEMBLY	GV	GATE VALVE	SQ	SQUARE
AVE	AVENUE	ID	INSIDE DIAMETER	SQFT	SQUARE FOOT, SQUARE FEET
AVG	AVERAGE	IE	INVERT ELEVATION	SQIN	SQUARE INCH, SQUARE INCHES
BC	BEGINNING OF CURVE, BOLT CIRCLE	IN	INCH	SQYD	SQUARE YARD, SQUARE YARDS
BCR	BEGINNING OF CURVE CENTER	INSTL	INSTALL, INSTALLATION	SSMH	SANITARY SEWER MANHOLE
BLDG	BUILDING	INT	INTERIOR, INTERSECTION	ST	STREET
BLVD	BOULEVARD	INV	INVERT	STA	STATION
BM	BEAM, BENCH MARK	JB	JUNCTION BOX	STD	STANDARD
BRG	BEARING	JCT	JUNCTION	SUR	SURFACE
BVC	BEGIN VERTICAL CURVE	LAT	LATERAL, LATITUDE	SURV	SURVEY
CAP	CAPACITY	LB	POUND	SYS	SYSTEM
CEM	CEMENT	LBL	LABEL	TEL	TELEPHONE
CLR	CLEAR, CLEARANCE	LF	LINEAR FEET, LINEAR FOOT	TEMP	TEMPERATURE, TEMPORARY
CO	COUNTY, CLEANOUT	LN	LANE	THRU	THROUGH
COMP	COMPACTION	LT	LEFT	TOB	TOP OF BANK
CONC	CONCRETE	MAN	MANUAL	TOT	TOTAL
CONN	CONNECT, CONNECTION	MATL	MATERIAL	TYP	TYPICAL
CONST	CONSTRUCT, CONSTRUCTION	MIN	MINIMUM, MINUTE	UG	UNDERGROUND
CONTR	CONTRACTOR	MISC	MISCELLANEOUS	UP	UTILITY POLE
COORD	COORDINATE	MON	MONUMENT	V	VALVE, VENT, VOLT
CSBC	CRUSHED SURFACING BASE COURSE	MW	MONITORING WELL	VAR	VARIES, VARIABLE
CSTC	CRUSHED SURFACING TOP COURSE	N	NORTH, NORTHING	VOL	VOLUME
CTR	CENTER	NIC	NOT IN CONTRACT	W	WATER, WATT, WEST, WIDTH
CUFT	CUBIC FOOT, CUBIC FEET	NO.	NUMBER	WM	WATER METER
CY	CUBIC YARD	NTS	NOT TO SCALE	WS	WATER SURFACE
DEMO	DEMOLITION	PC	POINT OF CURVATURE	WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
DEPT	DEPARTMENT	PI	POINT OF INTERSECTION, PRESSURE INDICATOR		
DET	DETAIL	PIVC	POINT OF INTERSECTION FOR VERTICAL CURVE		
DIA	DIAMETER	PP	POWER POLE		
DIM	DIMENSION	PRV	PRESSURE REGULATING VALVE, PRESSURE RELIEF VALVE, PRESSURE REDUCING VALVE		
DIST	DISTANCE, DISTRICT				
DSGN	DESIGN	PSI	POUNDS PER SQUARE INCH		
DWG	DRAWING	PT	POINT OF TANGENCY, POINT		
E	EAST, EASTING	PVI	POINT OF VERTICAL INTERSECTION		
EA	EACH	PVT	PAVEMENT, PAVING, PRIVATE		
EC	END OF CURVE	PWR	POWER		
EL	ELEVATION	QTY	QUANTITY		
ELL	ELBOW	QUAL	QUALITY		
EOP	EDGE OF PAVEMENT	R	RISER		
EQUIP	EQUIPMENT	RAD	RADIUS		
EVC	END VERTICAL CURVE	RD	ROAD, ROOF DRAIN		
EXIST	EXISTING	RED	REDUCER		
EXL	EXCAVATE	REF	REFERENCE		
FCR	FINE CRUSHED ROCK	REQD	REQUIRED		
FG	FINISH GRADE	RFCA	RESTRAINED FLANGED COUPLING ADAPTER		
FH	FIRE HYDRANT	ROT	ROTATE		
FIN	FINISH, FINISHED	ROW	RIGHT OF WAY		
		RT	RIGHT		
		RV	RELIEF VALVE		
		RW	RIGHT OF WAY		
		S	SOUTH		
		SCH	SCHEDULE		

GENERAL NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING ALL MATERIALS, LABOR, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK SHOWN ON THESE DRAWINGS AND TO OBTAIN ACCEPTANCE BY THE PROJECT OWNER.
- THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH ADJACENT PROPERTY OWNERS. DRIVEWAYS AND ACCESSES SHALL REMAIN ACCESSIBLE AT ALL TIMES.
- EROSION CONTROL MEASURES ARE NOT LIMITED TO THE ITEMS ON THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES. NO SILTATION OF EXISTING DRAINAGE FACILITIES AND WETLANDS SHALL BE ALLOWED. CARE SHALL BE TAKEN TO PREVENT MIGRATION OF SILTS TO OFF-SITE PROPERTIES.
- ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL "PRE-CONSTRUCTION" STATE OR BETTER.
- ALL CONSTRUCTION MUST COMPLY WITH THE WSDOT STANDARD SPECIFICATION (LATEST EDITION) UNLESS OTHERWISE SUPERSEDED BY TRIBAL STANDARDS.

DRAWING INDEX		
DWG NO.	SHT NO.	DESCRIPTION
1	G1	COVER SHEET
2	G2	LEGEND, ABBREVIATIONS & DRAWING INDEX
3-17	HC1-HC15	HORIZONTAL CONTROL PLANS
18	KM1	KEY MAP
19-46	W1-W28	WATER PLAN & PROFILE
47-50	DT1-DT4	DETAILS



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REVISIONS	DATE	BY	DESIGNED
			Y. MAHMOODI
			DRAWN Y. MAHMOODI
			CHECKED J. WRIGHT
			APPROVED H. LONGFELLOW

ONE INCH AT FULL SCALE, IF NOT, SCALE ACCORDINGLY
FILE NAME PS1598158-G2
JOB No. 216-1598-158
DATE JULY 2025



07-29-2025

Parametrix
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Ph: 253.604.6600

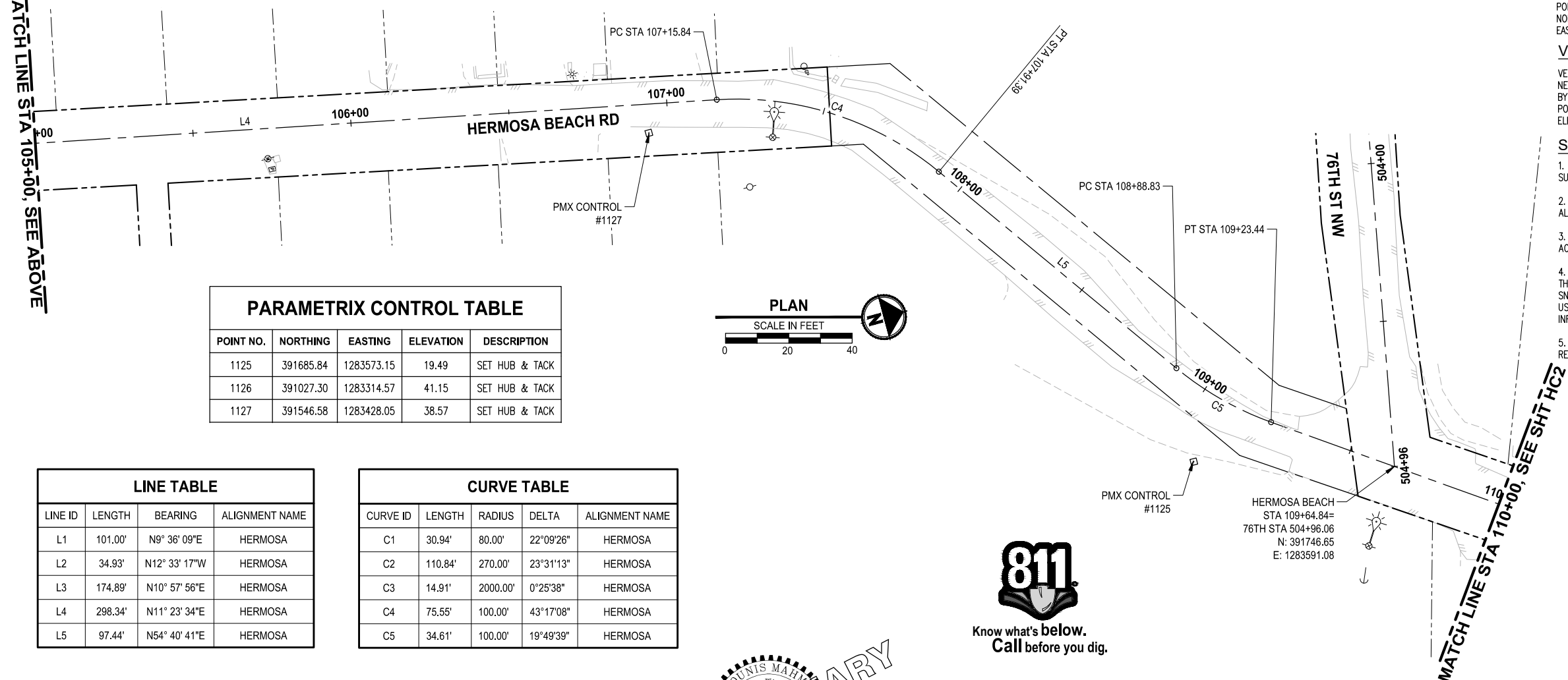
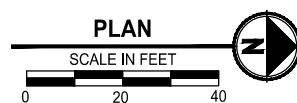
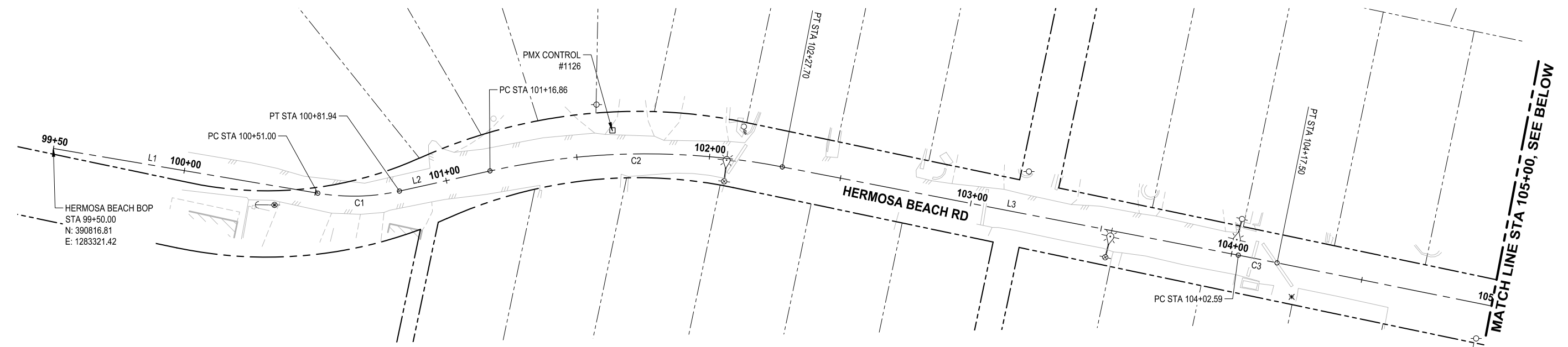
PROJECT NAME

THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

LEGEND, ABBREVIATIONS
& DRAWING INDEX

DRAWING NO.
2 OF 50

G2



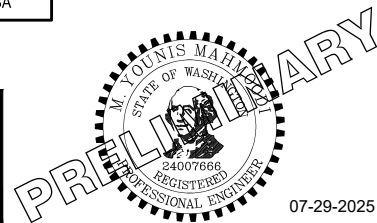
PARAMETRIX CONTROL TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1125	391685.84	1283573.15	19.49	SET HUB & TACK
1126	391027.30	1283314.57	41.15	SET HUB & TACK
1127	391546.58	1283428.05	38.57	SET HUB & TACK

LINE TABLE			
LINE ID	LENGTH	BEARING	ALIGNMENT NAME
L1	101.00'	N8° 36' 09"E	HERMOSA
L2	34.93'	N12° 33' 17"W	HERMOSA
L3	174.89'	N10° 57' 56"E	HERMOSA
L4	298.34'	N11° 23' 34"E	HERMOSA
L5	97.44'	N54° 40' 41"E	HERMOSA

CURVE TABLE				
CURVE ID	LENGTH	RADIUS	DELTA	ALIGNMENT NAME
C1	30.94'	80.00'	22°09'26"	HERMOSA
C2	110.84'	270.00'	23°31'13"	HERMOSA
C3	14.91'	2000.00'	0°25'38"	HERMOSA
C4	75.55'	100.00'	43°17'08"	HERMOSA
C5	34.61'	100.00'	19°49'39"	HERMOSA

▷	REVISIONS	DATE	BY	DESIGNED D. SUSLIKOV
				DRAWN D. SUSLIKOV
				CHECKED J. EMERY
				APPROVED H. LONGFELLOW

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY	
FILE NAME	PS1598158-HC1-4
JOB No.	216-1598-158
DATE	JULY 2025



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Ph: 253.604.6600

PROJECT NAME

**THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS**

TULALIP WASHINGTON

**HERMOSA BEACH RD
BEGIN - STA 110+00**

DRAWING NO.
3 OF 50

HC1

HORIZONTAL DATUM (WSRN):
HORIZONTAL DATUM FOR THIS SURVEY IS NAD 1983(11), WASHINGTON STATE PLANE NORTH ZONE COORDINATE SYSTEM, U.S. SURVEY FEET, BASED ON THE WASHINGTON STATE REFERENCE NETWORK (WSRN) WITH VERIFICATION TIES TO THE FOLLOWING MONUMENTS PUBLISHED BY WSDOT

POINT DESIGNATION: QUILCEDA
NORTHING: 388056.032
EASTING: 1307665.380

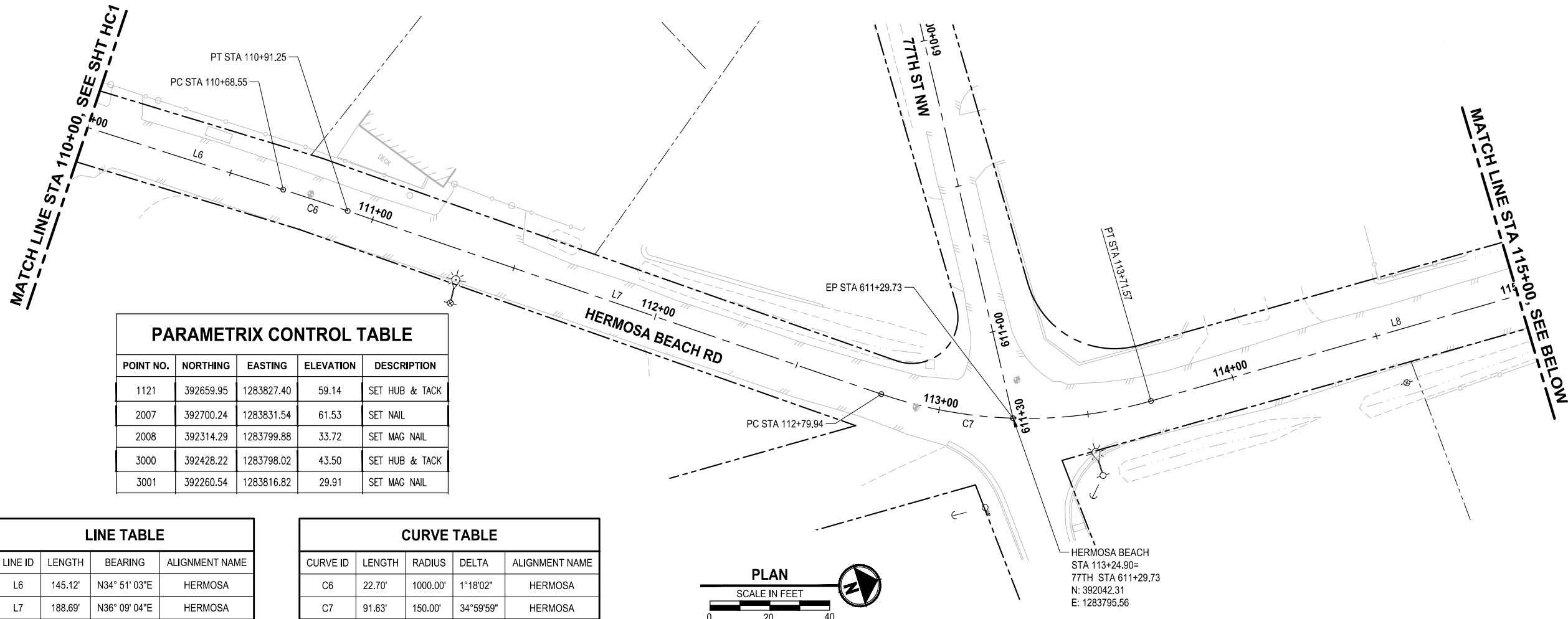
VERTICAL DATUM (WSRN):

VERTICAL DATUM FOR THIS SURVEY IS NAVD 88 BASED ON THE WASHINGTON STATE REFERENCE NETWORK (WSRN) WITH VERIFICATION TIES TO THE FOLLOWING MONUMENT PUBLISHED BY WSDOT
POINT DESIGNATION: QUILCEDA
ELEVATION: 19.997

SURVEY NOTES:

1. THIS MAP CORRECTLY REPRESENTS CONDITIONS AND FEATURES EXISTING AT THE TIME OF THIS SURVEY IN OCTOBER, 2023.
2. CONVENTIONAL AND GPS SURVEY EQUIPMENT WAS USED IN THE PERFORMANCE OF THIS SURVEY. ALL EQUIPMENT IS MAINTAINED IN CONFORMANCE WITH CURRENT STATE STATUTE.
3. THIS SURVEY WAS PREPARED BY FIELD TRAVERSE AS PER WAC 332-130-090, PART C. RELATIVE ACCURACY EXCEEDS 1 FOOT IN TEN THOUSAND.
4. RIGHT OF WAY INFORMATION SHOWN HEREON IS BASED ON PUBLIC INFORMATION PROVIDED BY THE SNOHOMISH COUNTY ASSESSOR'S OFFICE. BOUNDARY LINES SHOWN HEREON ARE BASED UPON SNOHOMISH COUNTY GIS AND ARE FOR REPRESENTATION PURPOSES ONLY AND SHOULD NOT BE USED FOR DESIGN ACTIVITIES THAT WILL RELY ON AN ACCURATE REPRESENTATION OF BOUNDARY INFORMATION.
5. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT, WHICH MAY REVEAL RESTRICTIONS OR EASEMENTS OF RECORD. ACCORDINGLY, NONE ARE SHOWN HEREON.

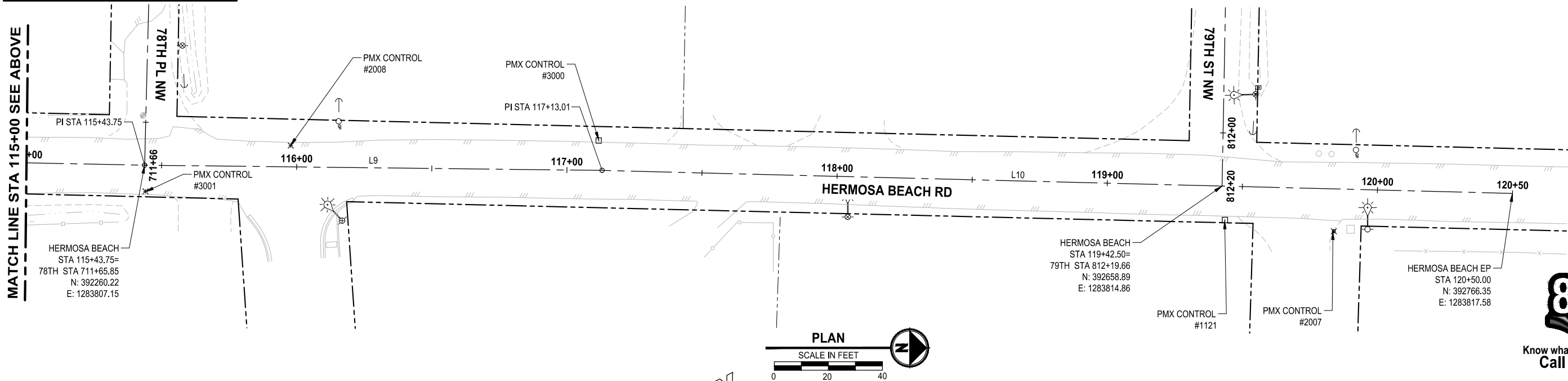
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LAYOUT: HC2
PLOTED BY: mohmoyou DATE: Tuesday, July 29, 2025 8:33:12 PM



PARAMETRIX CONTROL TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1121	392659.95	1283827.40	59.14	SET HUB & TACK
2007	392700.24	1283831.54	61.53	SET NAIL
2008	392314.29	1283799.88	33.72	SET MAG NAIL
3000	392428.22	1283798.02	43.50	SET HUB & TACK
3001	392260.54	1283816.82	29.91	SET MAG NAIL

LINE TABLE			
LINE ID	LENGTH	BEARING	ALIGNMENT NAME
L6	145.12'	N34° 51' 03"E	HERMOSA
L7	188.69'	N36° 09' 04"E	HERMOSA
L8	172.18'	N1° 09' 05"E	HERMOSA
L9	169.27'	N0° 39' 05"E	HERMOSA
L10	336.99'	N1° 26' 47"E	HERMOSA

CURVE TABLE				
CURVE ID	LENGTH	RADIUS	DELTA	ALIGNMENT NAME
C6	22.70'	1000.00'	1°18'02"	HERMOSA
C7	91.63'	150.00'	34°59'59"	HERMOSA



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REVISIONS	DATE	BY	DESIGNED
			D. SUSLIKOV
			D. SUSLIKOV
			CHECKED J. EMERY
			APPROVED H. LONGFELLOW

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY	
FILE NAME	PS1598158-HC1-4
JOB No.	216-1598-158
DATE	JULY 2025



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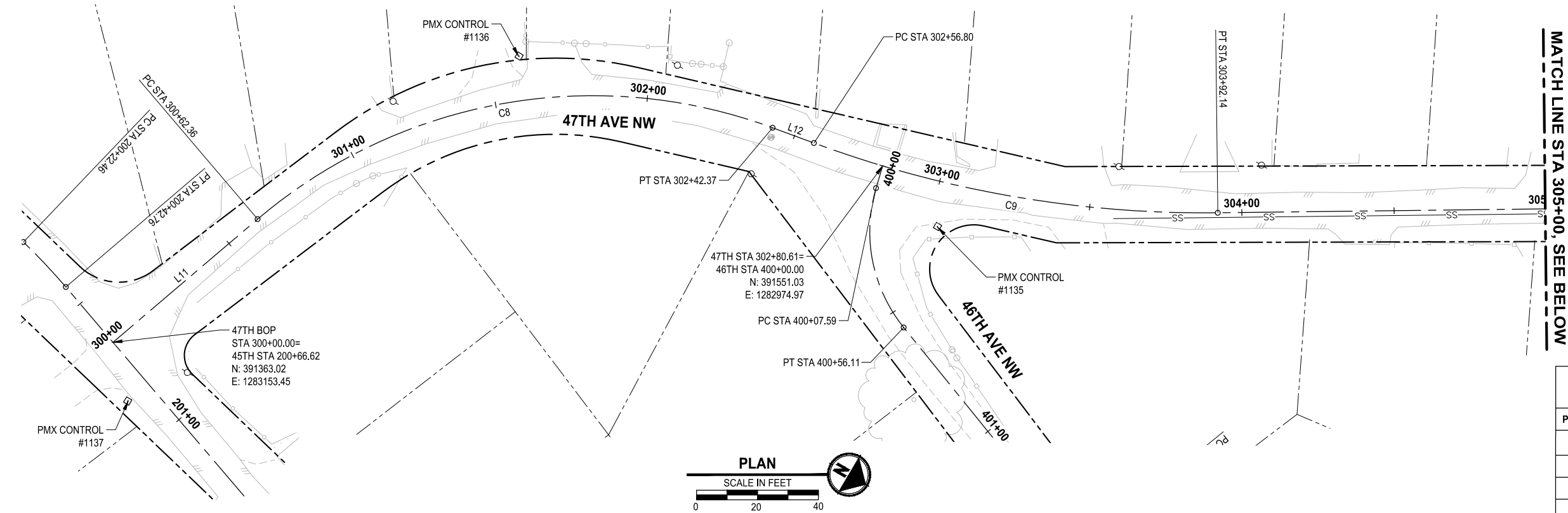
THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

HERMOSA BEACH ROAD
STA 110+00 - STA 120+50

DRAWING NO.
4 OF 50

HC2

PATH: \\parametrix.com\pmx\PSO\Projects\Clients\1598-TulalipTribes\216-1598-156-TulalipWaterSystem\995\cadd\DWG\Water - Hermosa-Mission-88h-Waterworks
LAYOUT: HC3
PLOTED BY: mohmoyou DATE: Tuesday, July 29, 2025 8:33:14 PM



MATCH LINE STA 305+00, SEE BELOW

PARAMETRIX CONTROL TABLE

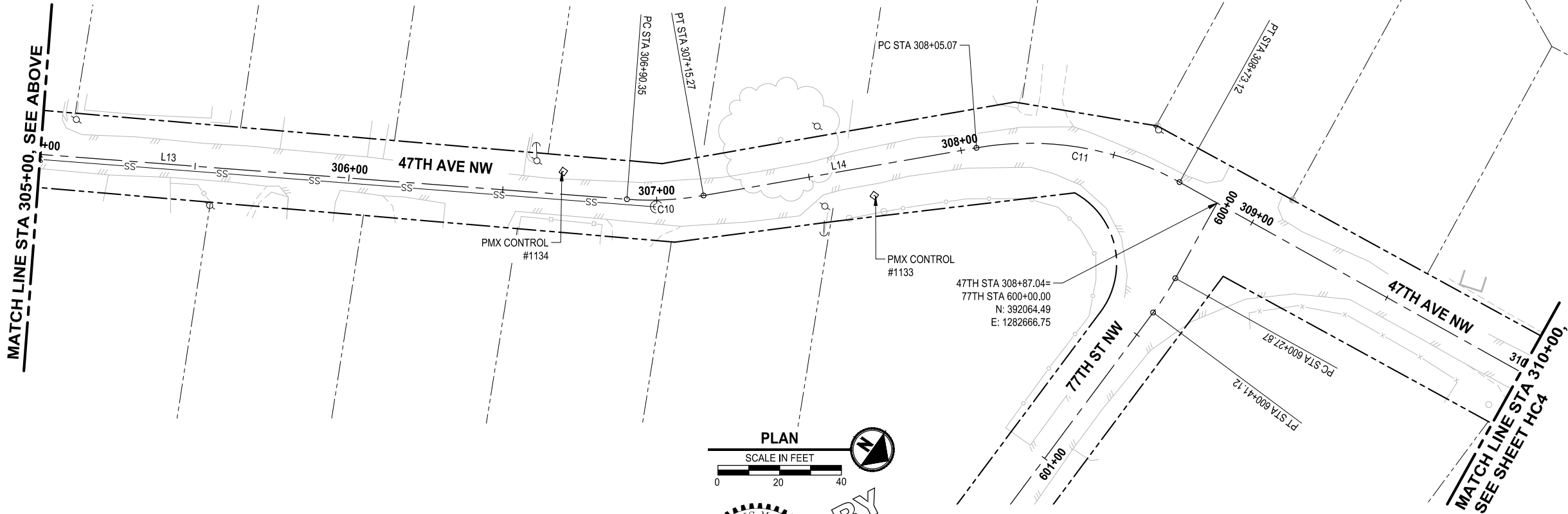
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1133	391972.81	1282729.58	119.37	SET HUB & TACK
1134	391886.41	1282782.00	119.92	SET HUB & TACK
1135	391576.66	1282982.91	95.26	SET HUB & TACK
1136	391429.97	1283004.76	87.08	SET HUB & TACK
1137	391377.00	1283167.57	71.19	SET HUB & TACK

LINE TABLE

LINE ID	LENGTH	BEARING	ALIGNMENT NAME
L11	62.36'	N71° 00' 22"W	47TH
L12	14.43'	N10° 20' 09"W	47TH
L13	298.21'	N31° 17' 35"W	47TH
L14	89.80'	N45° 34' 27"W	47TH

CURVE TABLE

CURVE ID	LENGTH	RADIUS	DELTA	ALIGNMENT NAME
C8	180.01'	170.00'	60°40'13"	47TH
C9	135.34'	370.00'	20°57'26"	47TH
C10	24.93'	100.00'	14°16'52"	47TH
C11	68.05'	100.00'	38°59'15"	47TH



MATCH LINE STA 305+00, SEE ABOVE

MATCH LINE STA 310+00, SEE SHEET HC4

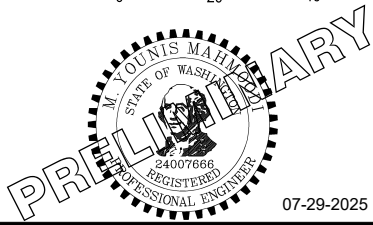


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REVISIONS	DATE	BY	DESIGNED
			D. SUSLIKOV
			D. SUSLIKOV
			CHECKED J. EMERY
			APPROVED H. LONGFELLOW

ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY
FILE NAME
PS1598158-HC1-4
JOB No.
216-1598-158
DATE
JULY 2025



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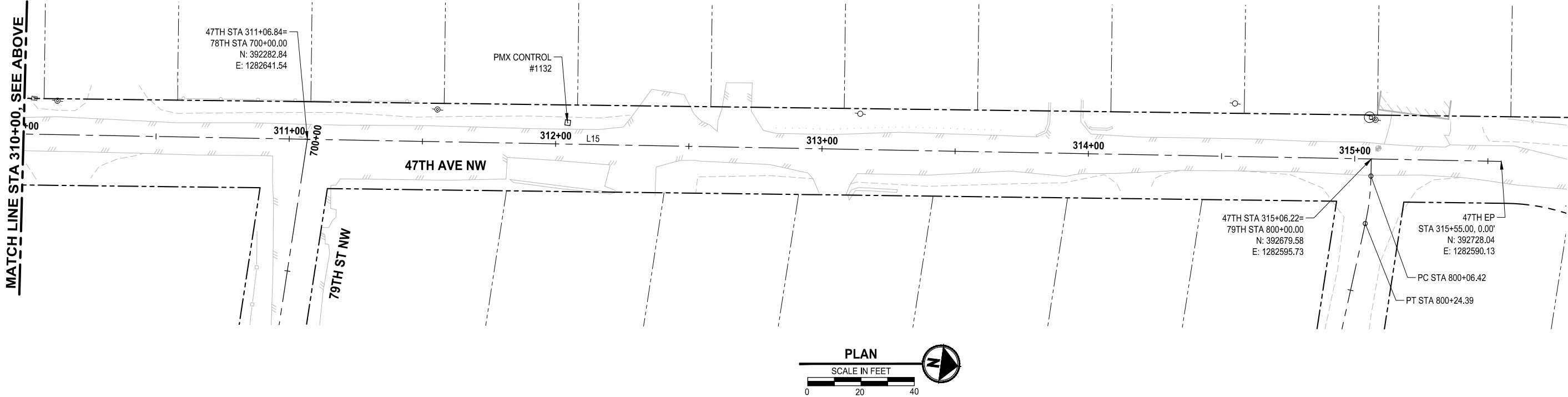
THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

47TH AVE NW BEGIN - STA 310+00

DRAWING NO.
5 OF 50

HC3

PATH: \\parametrix.com\pmx\PSO\Projects\Clients\1598-Tulalip Tribes\216-1598-156 Tulalip Water System\995\cadd\DWG\Water - Hermosa-Mission-88h-Waterworks
LAYOUT: HC4
PLOTTED BY: mohmoyou DATE: Tuesday, July 29, 2025 8:33:17 PM



PARAMETRIX CONTROL TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1132	392378.84	1282622.36	110.91	SET HUB & TACK

LINE TABLE			
LINE ID	LENGTH	BEARING	ALIGNMENT NAME
L15	681.88'	N6° 35' 11"W	47TH



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			D. SUSLIKOV
			DRAWN
			D. SUSLIKOV
			CHECKED
			J. EMERY
			APPROVED
			H. LONGFELLOW

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY	
FILE NAME	PS1598158-HC1-4
JOB No.	216-1598-158
DATE	JULY 2025



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PROJECT NAME

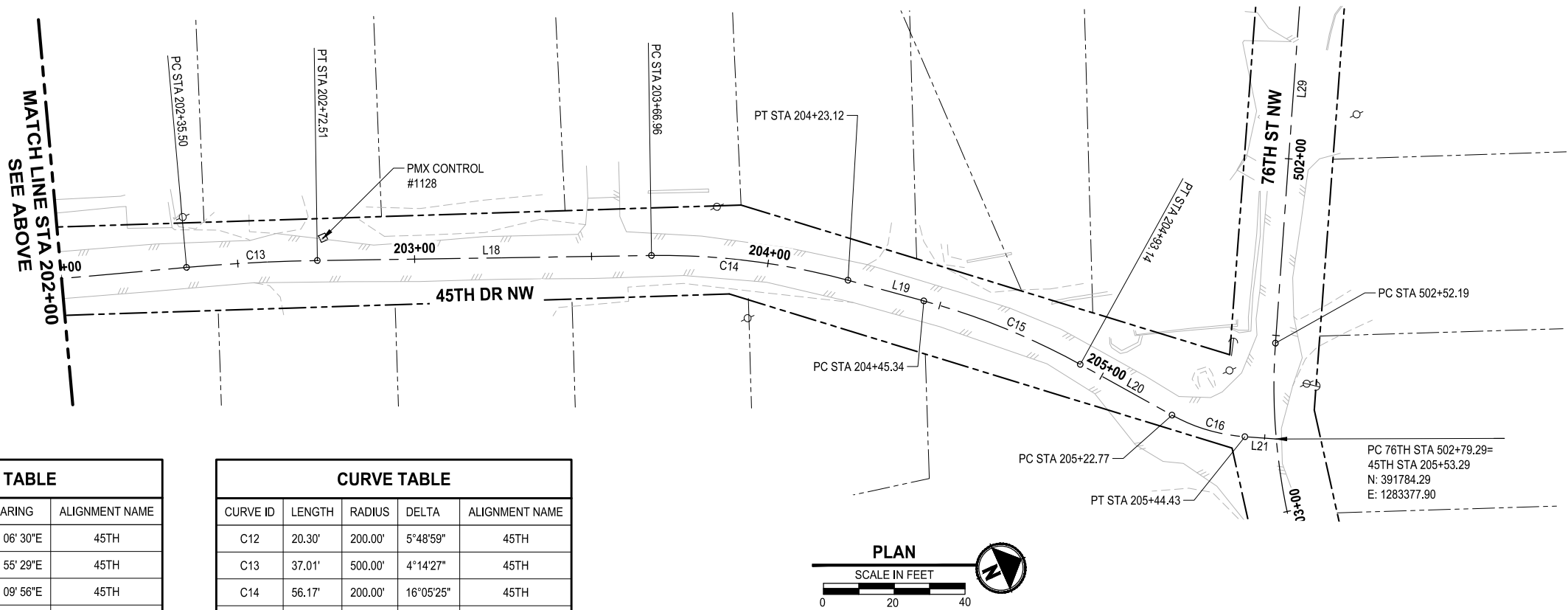
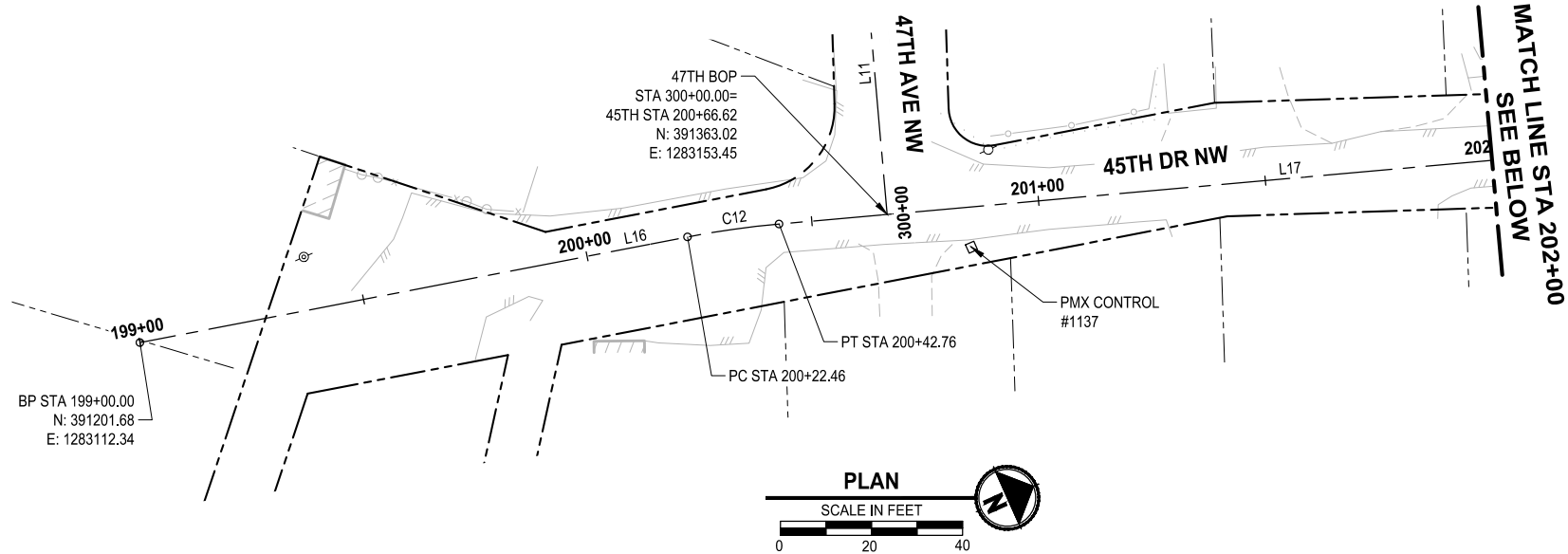
THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

47TH AVE NW STA
310+00 - END

DRAWING NO.
6 OF 50

HC4

PATH: \\parametrix.com\pmx\PSO\Projects\Clients\1598-Tulalip Tribes\1598-Tulalip Tribes\216-1598-156-Tulalip Water System\995\cadd\DWG\Water - Hermosa-Mission-88h-Waterworks
LAYOUT: HC5
PLOT BY: mohmoyou DATE: Tuesday, July 29, 2025 8:33:53 PM



LINE TABLE			
LINE ID	LENGTH	BEARING	ALIGNMENT NAME
L16	122.46'	N13° 06' 30"E	45TH
L17	192.74'	N18° 55' 29"E	45TH
L18	94.45'	N23° 09' 56"E	45TH
L19	22.22'	N39° 15' 21"E	45TH
L20	29.63'	N52° 57' 05"E	45TH
L21	8.86'	N28° 07' 49"E	45TH

CURVE TABLE				
CURVE ID	LENGTH	RADIUS	DELTA	ALIGNMENT NAME
C12	20.30'	200.00'	5°48'59"	45TH
C13	37.01'	500.00'	4°14'27"	45TH
C14	56.17'	200.00'	16°05'25"	45TH
C15	47.81'	200.00'	13°41'44"	45TH
C16	21.66'	50.00'	24°49'16"	45TH

PARAMETRIX CONTROL TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1128	391561.44	1283216.28	68.52	SET HUB & TACK
1137	391377.00	1283167.57	71.19	SET HUB & TACK



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REVISIONS	DATE	BY	DESIGNED
			D. SUSLIKOV
			D. SUSLIKOV
			CHECKED J. EMERY
			APPROVED H. LONGFELLOW

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY	
FILE NAME	PS1598158-HC5-11
JOB No.	216-1598-156
DATE	JULY 2025



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Ph: 253.604.6600

PROJECT NAME

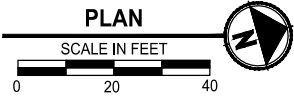
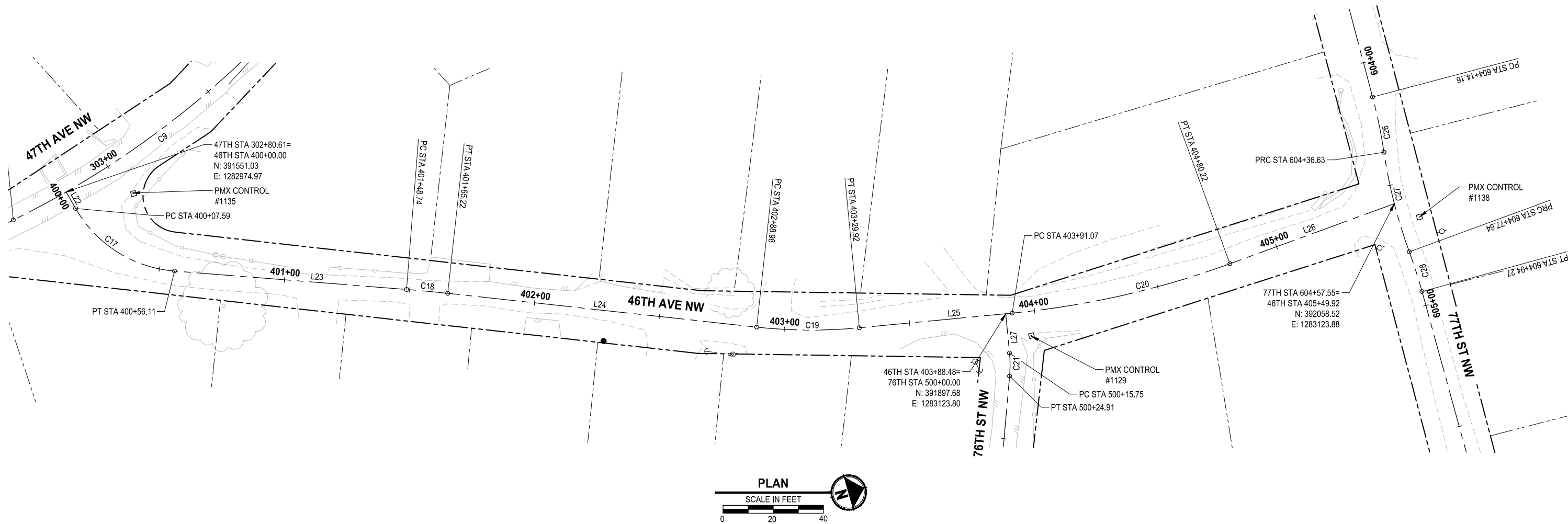
THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

45TH DR NW

DRAWING NO.
7 OF 50

HC5

LAYOUT: HC6 PATH: \\parametrix.com\pmx\PSD\Projects\Clients\1598-TulalipTribes\216-1598-156-TulalipPayWaterSystem\995\cadd\DWG\Water - Hermosa-Mission-88h-Waterworks PLOTTED BY: mohmoyou DATE: Tuesday, July 29, 2025 8:33:56 PM



LINE TABLE			
LINE ID	LENGTH	BEARING	ALIGNMENT NAME
L22	7.59'	N75° 58' 37"E	46TH
L23	92.64'	N20° 22' 31"E	46TH
L24	123.76'	N22° 05' 30"E	46TH
L25	61.14'	N10° 21' 50"E	46TH
L26	69.70'	N4° 13' 50"W	46TH

CURVE TABLE				
CURVE ID	LENGTH	RADIUS	DELTA	ALIGNMENT NAME
C17	48.52'	50.00'	55°36'06"	46TH
C18	16.48'	550.00'	1°43'00"	46TH
C19	40.94'	200.00'	11°43'40"	46TH
C20	89.15'	350.00'	14°35'40"	46TH

PARAMETRIX CONTROL TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1129	391905.20	1283135.02	88.47	SET HUB & TACK
1135	391576.66	1282982.91	95.26	SET HUB & TACK
1138	392066.71	1283131.70	81.36	SET HUB & TACK



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			DRAWN
			D. SUSLIKOV
			CHECKED
			J. EMERY
			APPROVED
			H. LONGFELLOW

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FILE NAME	PS1598158-HC5-11
JOB No.	216-1598-158
DATE	JULY 2025



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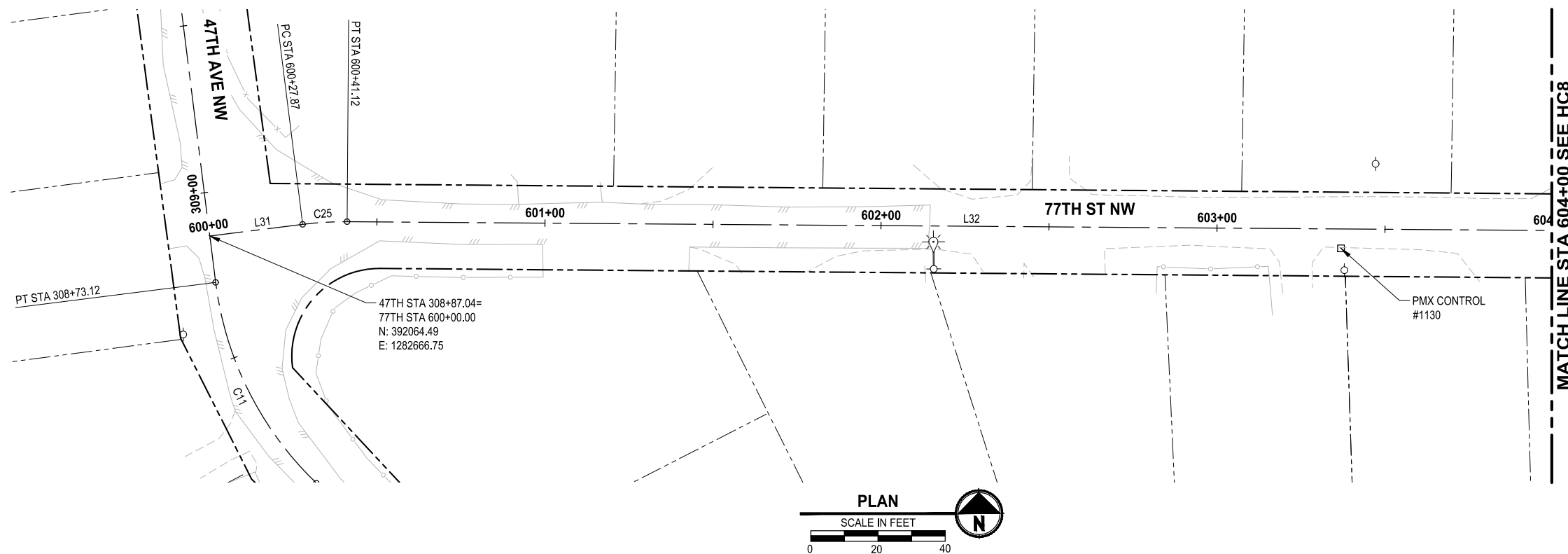
PROJECT NAME

THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

46TH AVE NW

DRAWING NO.
8 OF 50

HC6



LINE TABLE			
LINE ID	LENGTH	BEARING	ALIGNMENT NAME
L27	15.75'	S79° 38' 10"E	76TH
L28	73.17'	S69° 07' 56"E	76TH
L29	128.76'	S61° 52' 11"E	76TH
L30	135.95'	S79° 20' 30"E	76TH
L31	27.87'	N83° 24' 49"E	77TH
L32	373.04'	S88° 59' 46"E	77TH

CURVE TABLE				
CURVE ID	LENGTH	RADIUS	DELTA	ALIGNMENT NAME
C21	9.17'	50.00'	10°30'14"	76TH
C22	25.35'	200.00'	7°15'45"	76TH
C23	77.60'	170.00'	26°09'18"	76TH
C24	30.31'	200.00'	8°40'59"	76TH
C25	13.25'	100.00'	7°35'25"	77TH



▷	REVISIONS	DATE	BY	DESIGNED D. SUSLIKOV
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FILE NAME	PS1598158-HC5-11
JOB No.	216-1598-158
DATE	JULY 2025



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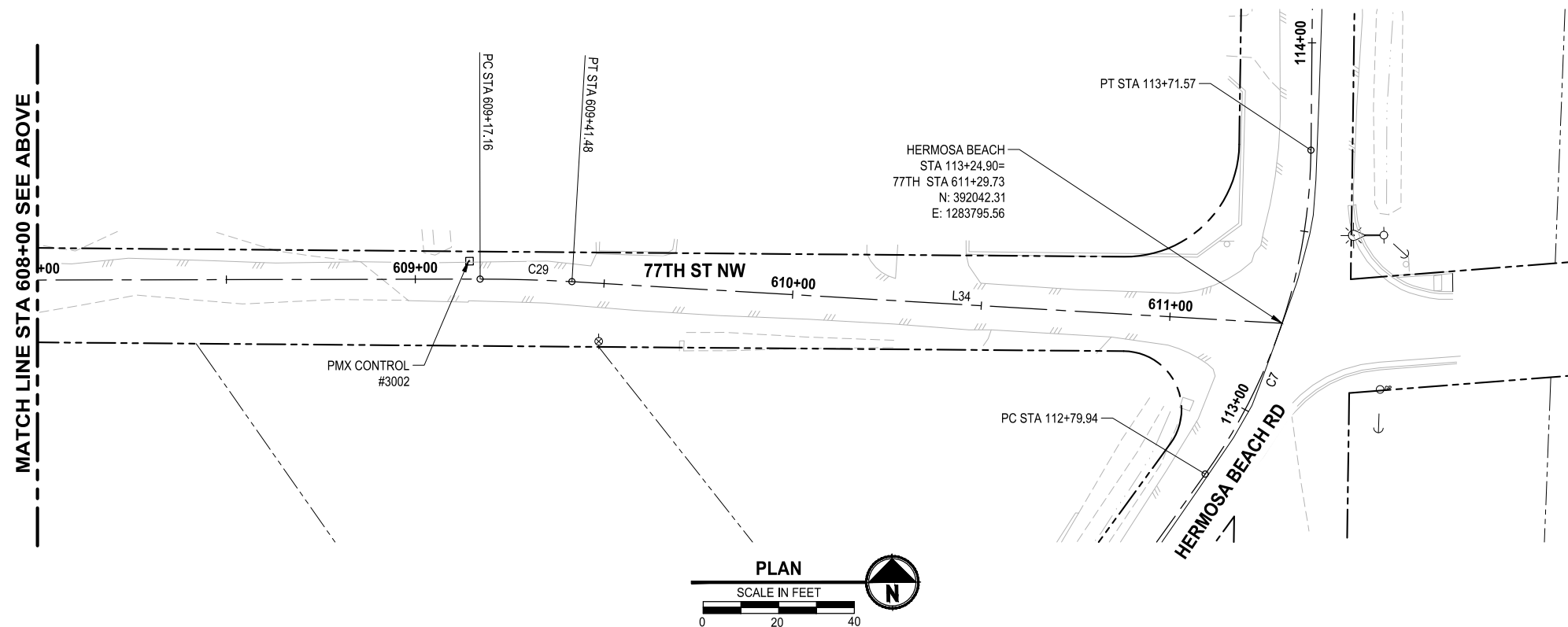
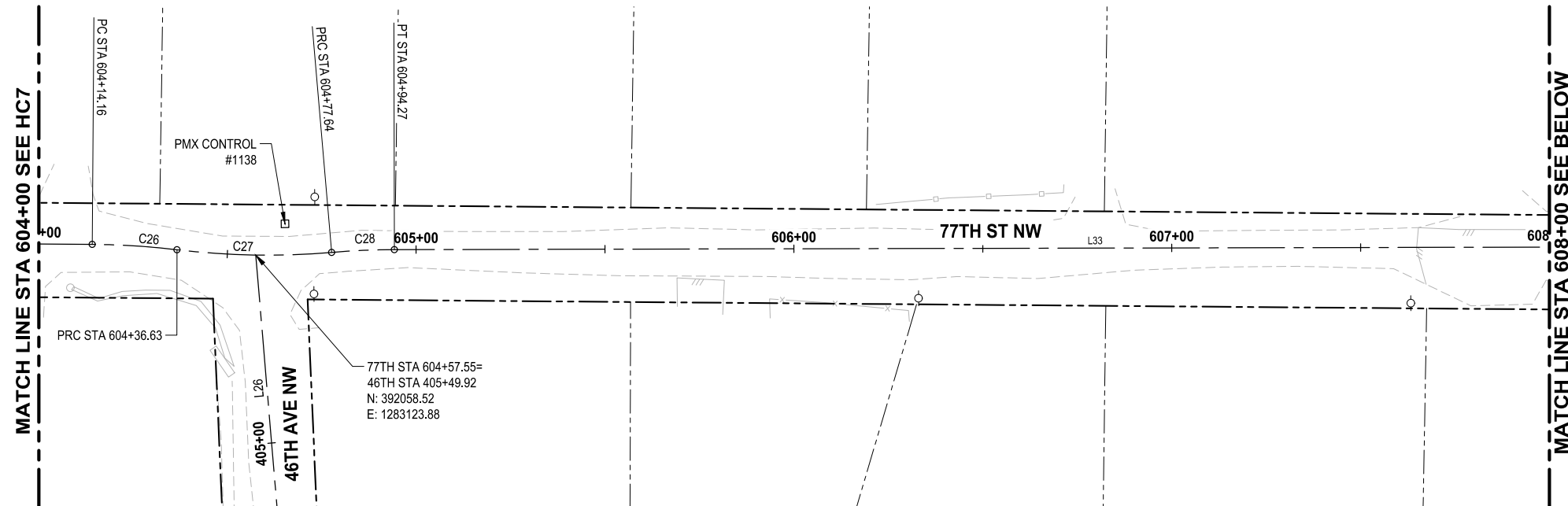
**THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS**

TULALIP WASHINGTON

**76TH ST NW AND 77TH ST NW
BEGIN - STA 604+00**

DRAWING NO.
9 OF 50

HC7



PARAMETRIX CONTROL TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1138	392066.71	1283131.70	81.36	SET HUB & TACK
3002	392060.96	1283580.70	26.76	SET HUB & TACK

LINE TABLE			
LINE ID	LENGTH	BEARING	ALIGNMENT NAME
L33	422.89'	S89° 32' 26"E	77TH
L34	188.25'	S86° 03' 25"E	77TH

CURVE TABLE				
CURVE ID	LENGTH	RADIUS	DELTA	ALIGNMENT NAME
C26	22.47'	200.00'	6°26'17"	77TH
C27	41.00'	200.00'	11°44'49"	77TH
C28	16.63'	200.00'	4°45'53"	77TH
C29	24.32'	400.00'	3°29'01"	77TH

▷	REVISIONS	DATE	BY	DESIGNED D. SUSLIKOV
				DRAWN D. SUSLIKOV
				CHECKED J. EMERY
				APPROVED H. LONGFELLOW

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FILE NAME PS1598158-HC5-11
JOB No. 216-1598-158
DATE JULY 2025



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**THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS**

TULALIP WASHINGTON

77TH ST NW STA 604+00 - END

DRAWING NO.
10 OF 50

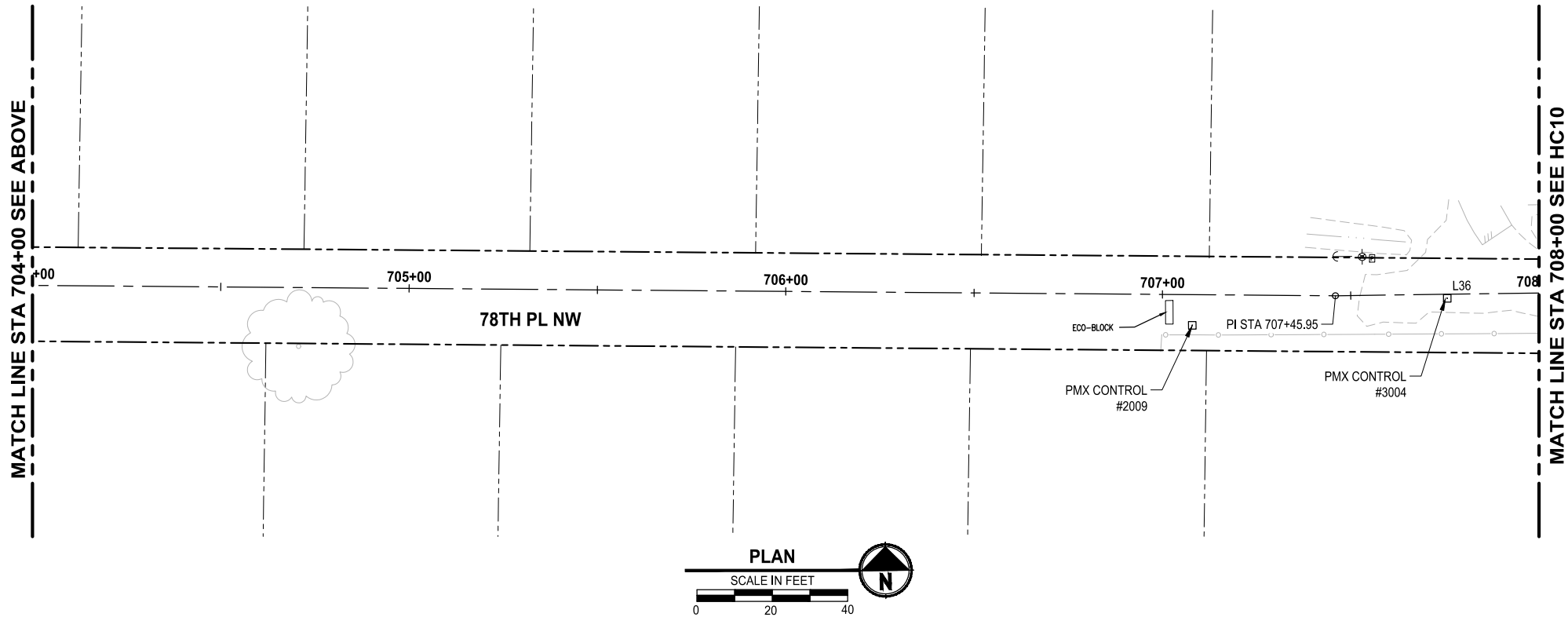
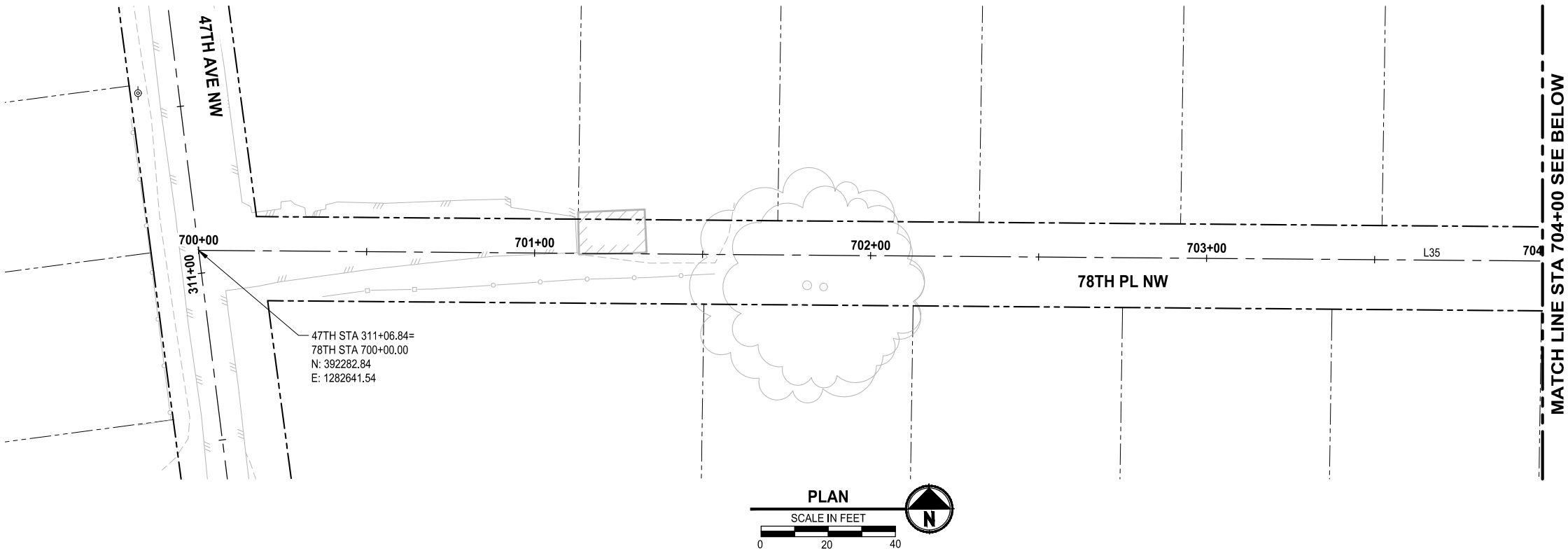
HC8



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LAYOUT: HC9 PATH: \\parametrix.com\pmx\PSD\Projects\Clients\1598-TulalipTribes\216-1598-156 TulalipWaterSystem\995\cadd\DWG\Water - Hermosa-Mission-88h-Waterworks PLOTTED BY: mohmoyou DATE: Tuesday, July 29, 2025 8:34:09 PM



PARAMETRIX CONTROL TABLE

2009	392261.84	1283349.26	40.62	SET HUB & TACK
3004	392268.32	1283417.02	38.80	SET HUB & TACK

LINE TABLE

LINE ID	LENGTH	BEARING	ALIGNMENT NAME
L35	745.95'	S88° 57' 33"E	78TH
L36	66.05'	N89° 48' 45"E	78TH



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FILE NAME PS1598158-HC5-11
JOB No. 216-1598-158
DATE JULY 2025



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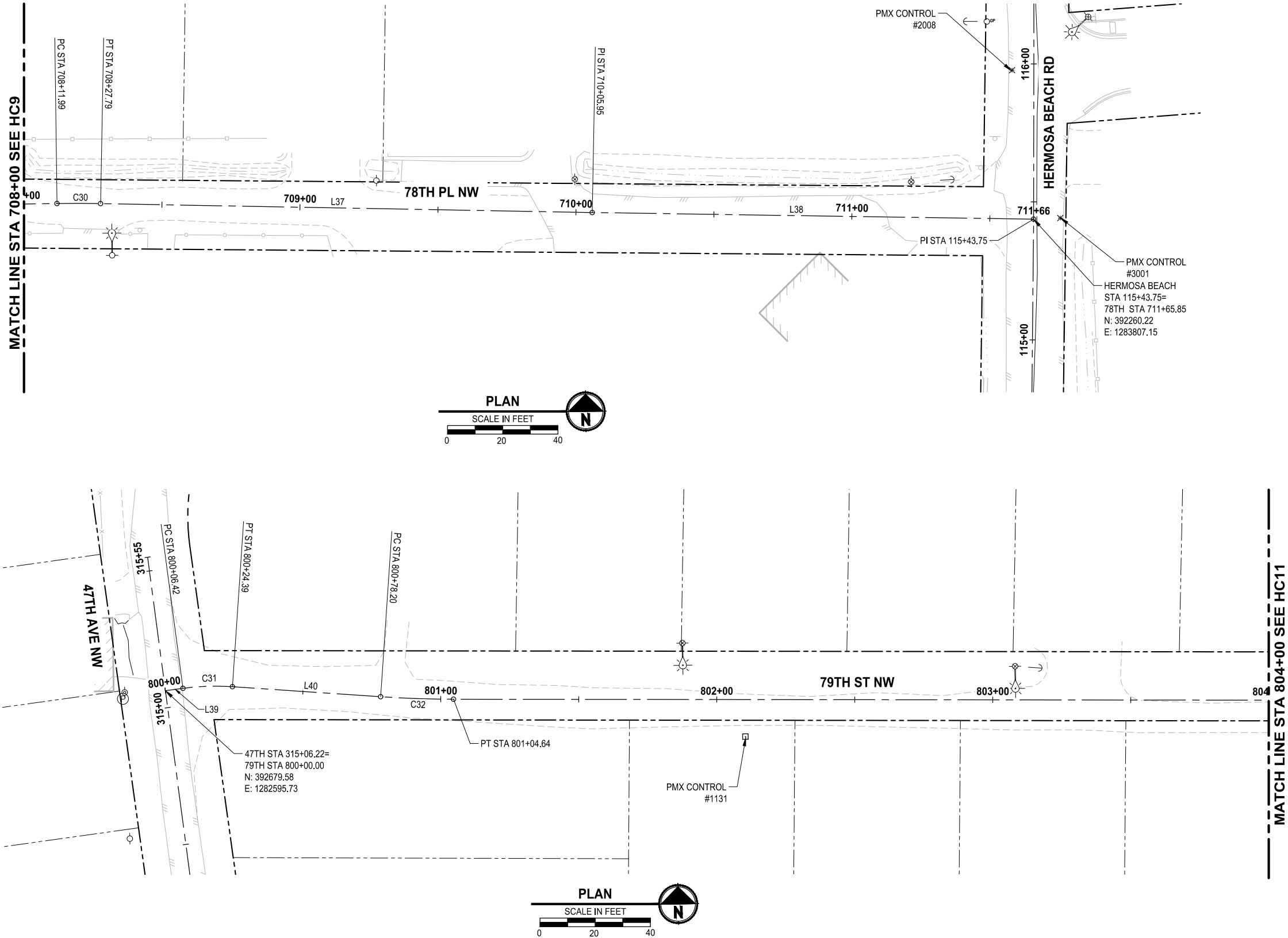
THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

78TH PL NW BEGIN - STA 708+00

DRAWING NO.
11 OF 50

HC9

LAYOUT: HC10 PATH: \\parametrix.com\pmx\PSO\Projects\Clients\1598-TulalipTribes\1598-158 TulalipBoysWaterSystem\99Sves\CAADD\DWG\Water - Hermosa-Mission-88th-Waterworks PLOTTED BY: mahmouyeu DATE: Tuesday, July 29, 2025 8:34:14 PM



PARAMETRIX CONTROL TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1131	392659.26	1282805.56	111.18	SET HUB & TACK
2008	392314.29	1283799.88	33.72	SET MAG NAIL
3001	392260.54	1283816.82	29.91	SET MAG NAIL

LINE TABLE			
LINE ID	LENGTH	BEARING	ALIGNMENT NAME
L37	178.16'	S88° 22' 37"E	78TH
L38	159.91'	S88° 33' 06"E	78TH
L39	6.42'	N83° 24' 49"E	79TH
L40	53.82'	S85° 08' 42"E	79TH

CURVE TABLE				
CURVE ID	LENGTH	RADIUS	DELTA	ALIGNMENT NAME
C30	15.80'	500.00'	1°48'37"	78TH
C31	17.97'	90.00'	11°26'29"	79TH
C32	26.44'	400.00'	3°47'15"	79TH



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FILE NAME	PS1598158-HC5-11
JOB No.	216-1598-158
DATE	JULY 2025



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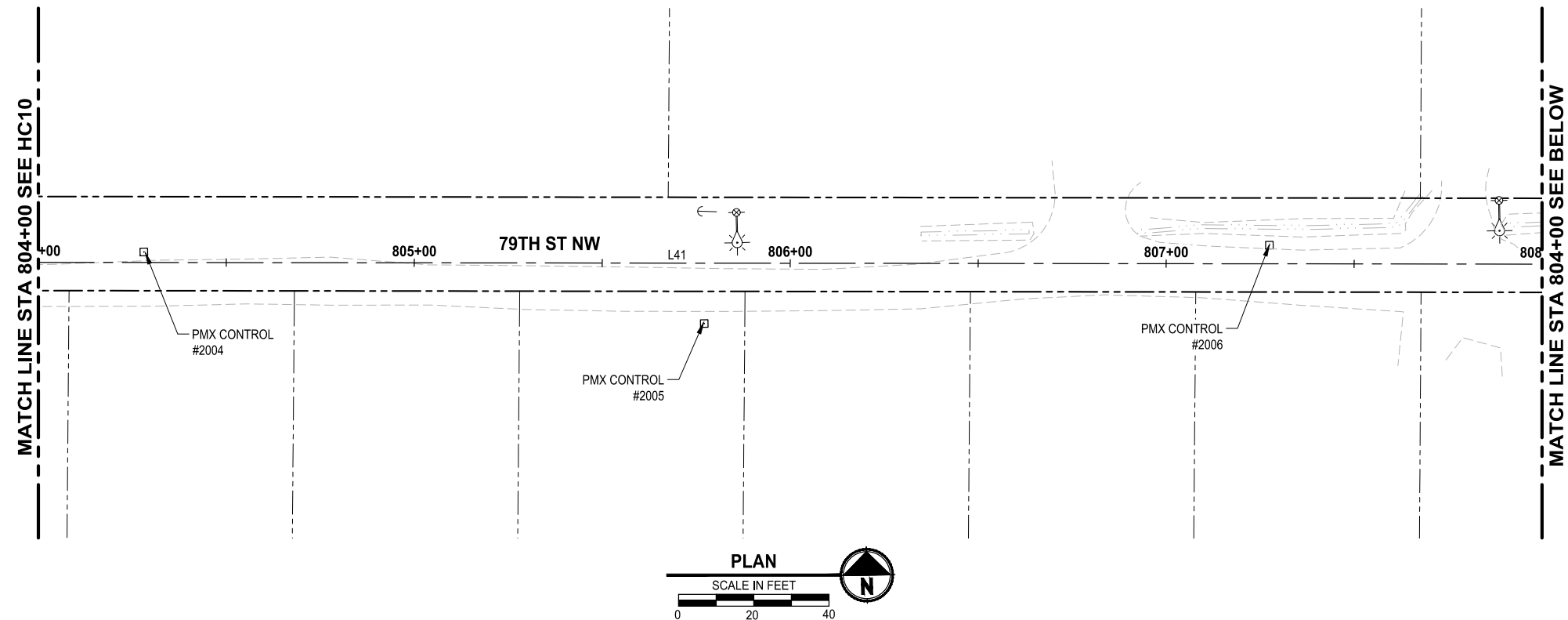
PROJECT NAME

THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

78TH PL NW STA 708+00 - END
AND 79TH ST NW BEGIN - 804+00

DRAWING NO.
12 OF 50

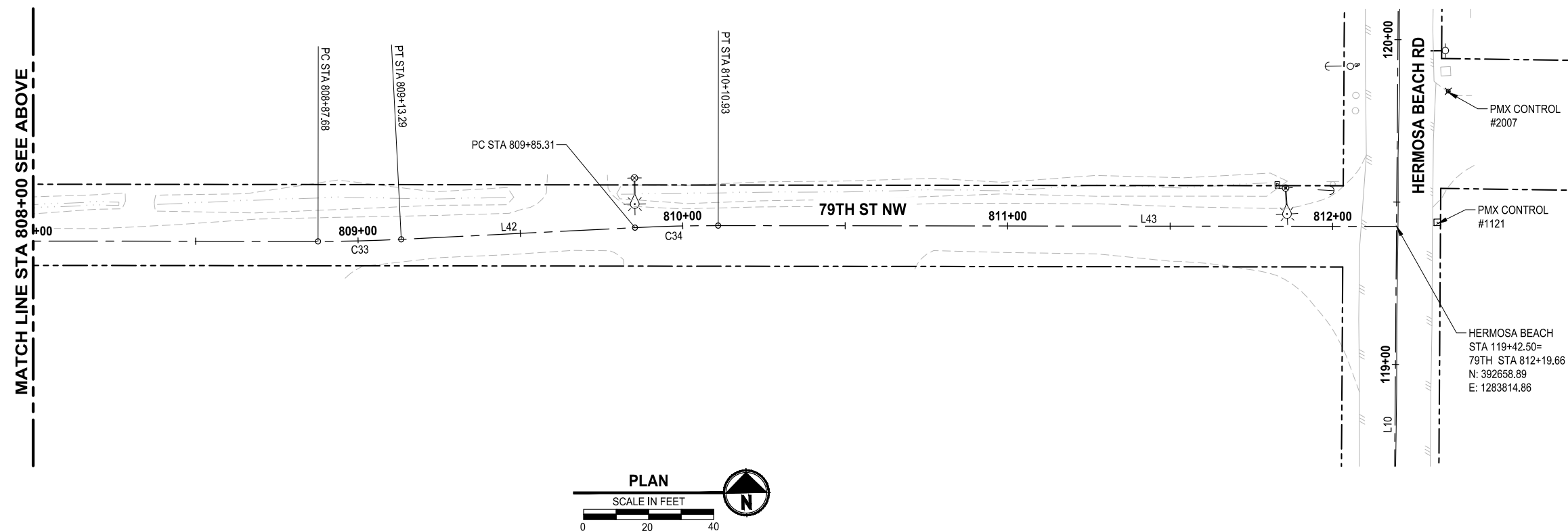
HC10



PARAMETRIX CONTROL TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1121	392659.95	1283827.40	59.14	SET HUB & TACK
2005	392649.82	1283172.20	75.88	SET HUB & TACK
2006	392668.01	1283322.86	67.88	COMPARE 1124
2007	392700.24	1283831.54	61.53	SET NAIL

LINE TABLE			
LINE ID	LENGTH	BEARING	ALIGNMENT NAME
L41	783.03'	S88° 55' 57"E	79TH
L42	72.02'	N88° 07' 56"E	79TH
L43	208.73'	S88° 55' 57"E	79TH

CURVE TABLE				
CURVE ID	LENGTH	RADIUS	DELTA	ALIGNMENT NAME
C33	25.62'	500.00'	2°56'07"	79TH
C34	25.62'	500.00'	2°56'07"	79TH



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				CHECKED J. EMERY
				APPROVED H. LONGFELLOW

<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div> <p>ONE INCH AT FULL SCALE IF NOT, SCALE ACCORDINGLY</p>	
FILE NAME	PS1598158-HC5-11
JOB No.	216-1598-158
DATE	JULY 2025



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THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

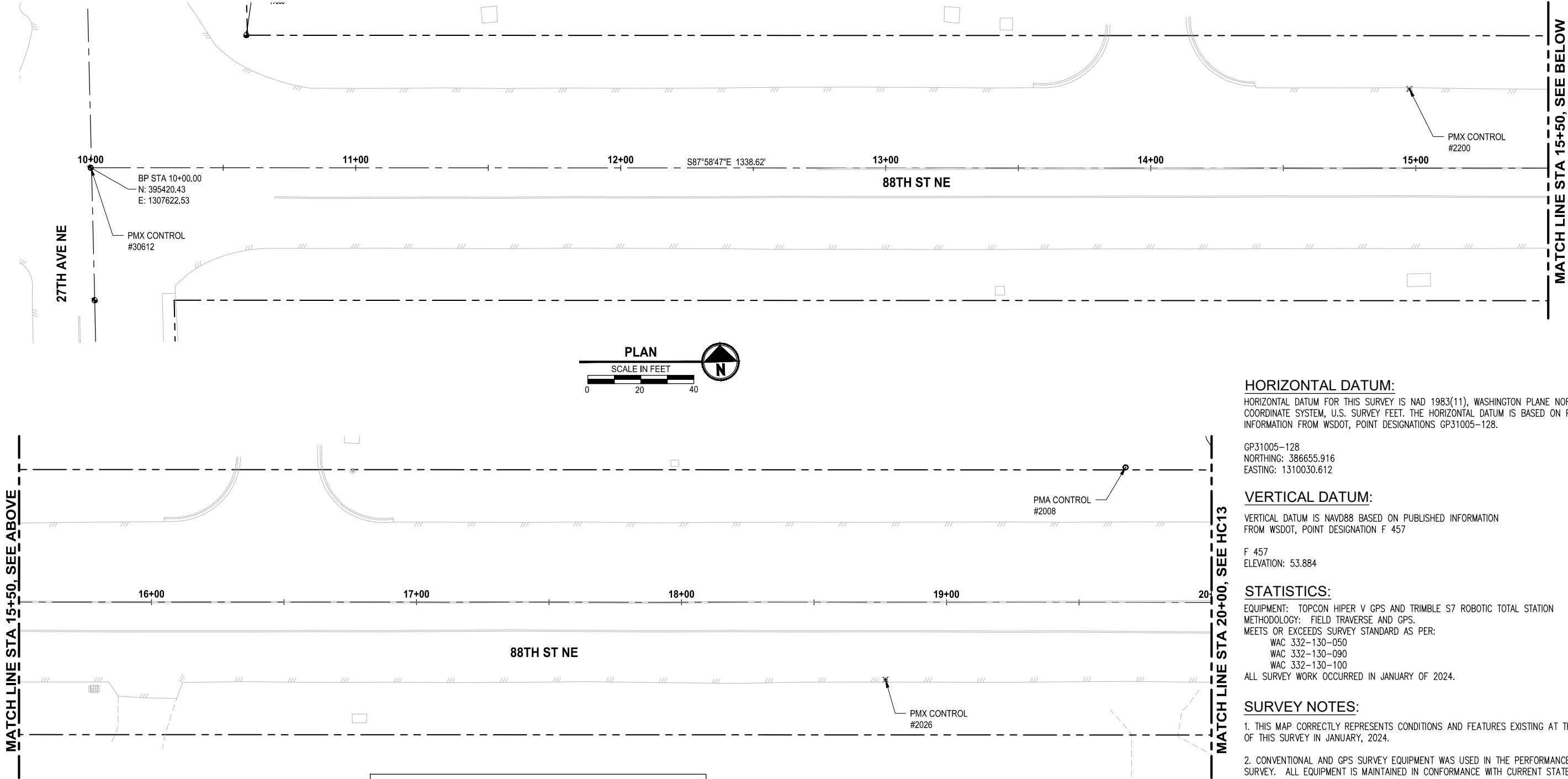
79TH ST NW STA 804+00 - END

DRAWING NO.
13 OF 50

HC11

PLOTTED BY: mahmoudy DATE: Tuesday, July 29, 2025 8:35:08 PM

PATH: \\parametrix.com\pmx\PSO\Projects\Clients\1598-158 TulalipTribes\216-1598-158 TulalipTribe\CAADD\DWG\Water - Hermosa-Mission-88th-Waterworks LAYOUT: HC12



HORIZONTAL DATUM:

HORIZONTAL DATUM FOR THIS SURVEY IS NAD 1983(11), WASHINGTON PLANE NORTH ZONE COORDINATE SYSTEM, U.S. SURVEY FEET. THE HORIZONTAL DATUM IS BASED ON PUBLISHED INFORMATION FROM WSDOT, POINT DESIGNATIONS GP31005-128.

GP31005-128
 NORTHING: 386655.916
 EASTING: 1310030.612

VERTICAL DATUM:

VERTICAL DATUM IS NAVD88 BASED ON PUBLISHED INFORMATION FROM WSDOT, POINT DESIGNATION F 457

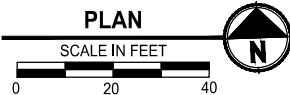
F 457
 ELEVATION: 53.884

STATISTICS:

EQUIPMENT: TOPCON HIPER V GPS AND TRIMBLE S7 ROBOTIC TOTAL STATION
 METHODOLOGY: FIELD TRAVERSE AND GPS.
 MEETS OR EXCEEDS SURVEY STANDARD AS PER:
 WAC 332-130-050
 WAC 332-130-090
 WAC 332-130-100
 ALL SURVEY WORK OCCURRED IN JANUARY OF 2024.

SURVEY NOTES:

- THIS MAP CORRECTLY REPRESENTS CONDITIONS AND FEATURES EXISTING AT THE TIME OF THIS SURVEY IN JANUARY, 2024.
- CONVENTIONAL AND GPS SURVEY EQUIPMENT WAS USED IN THE PERFORMANCE OF THIS SURVEY. ALL EQUIPMENT IS MAINTAINED IN CONFORMANCE WITH CURRENT STATE STATUTE.
- THIS SURVEY WAS PREPARED BY FIELD TRAVERSE AS PER WAC 332-130-090, PART C. RELATIVE ACCURACY EXCEEDS 1 FOOT IN TEN THOUSAND.



PARAMETRIX CONTROL TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2008	395437.22	1308591.29	48.23	SET R/CAP
2026	395360.38	1308497.95	48.65	SET MAG NAIL
2200	395432.77	1308120.85	49.02	SET MAG NAIL
30612	395420.43	1307622.53	50.37	FOUND MON IN CASE



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			D. SUSLIKOV
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			J. EMERY
			APPROVED
			H. LONGFELLOW

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FILE NAME	PS1598158-HC12-15
JOB No.	216-1598-158
DATE	JULY 2025



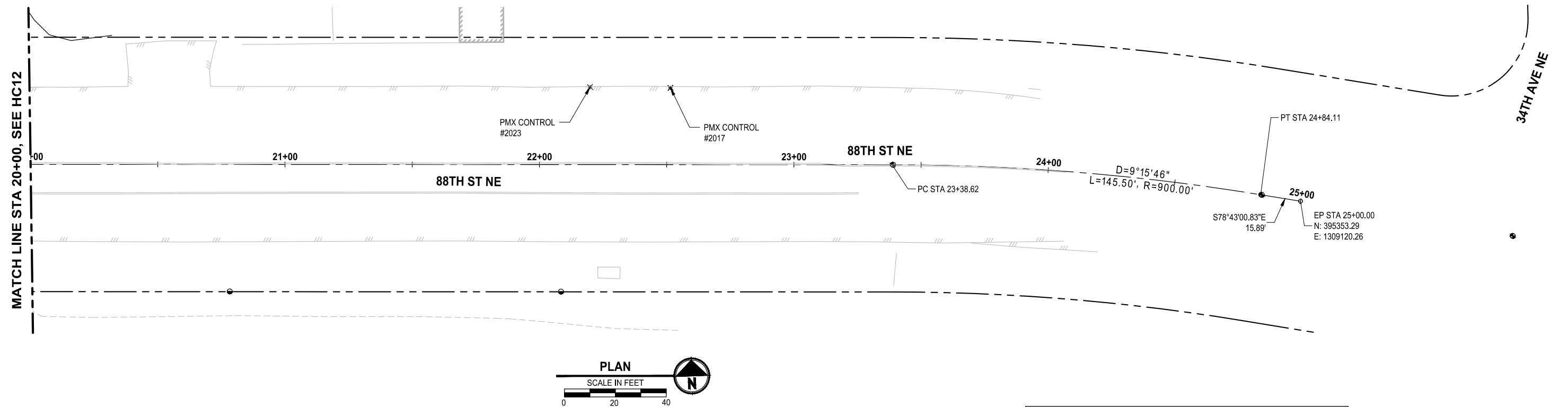
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PROJECT NAME
THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
 TULALIP WASHINGTON

88TH ST NE BEGIN - STA 20+00

DRAWING NO.
 14 OF 50
HC12




PARAMETRIX CONTROL TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2017	395406.45	1308874.30	40.84	SET MAG NAIL
2023	395407.85	1308842.75	41.59	SET MAG NAIL



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				APPROVED H. LONGFELLOW

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FILE NAME
PS1598158-HC12-15
JOB No.
216-1598-158
DATE
JULY 2025



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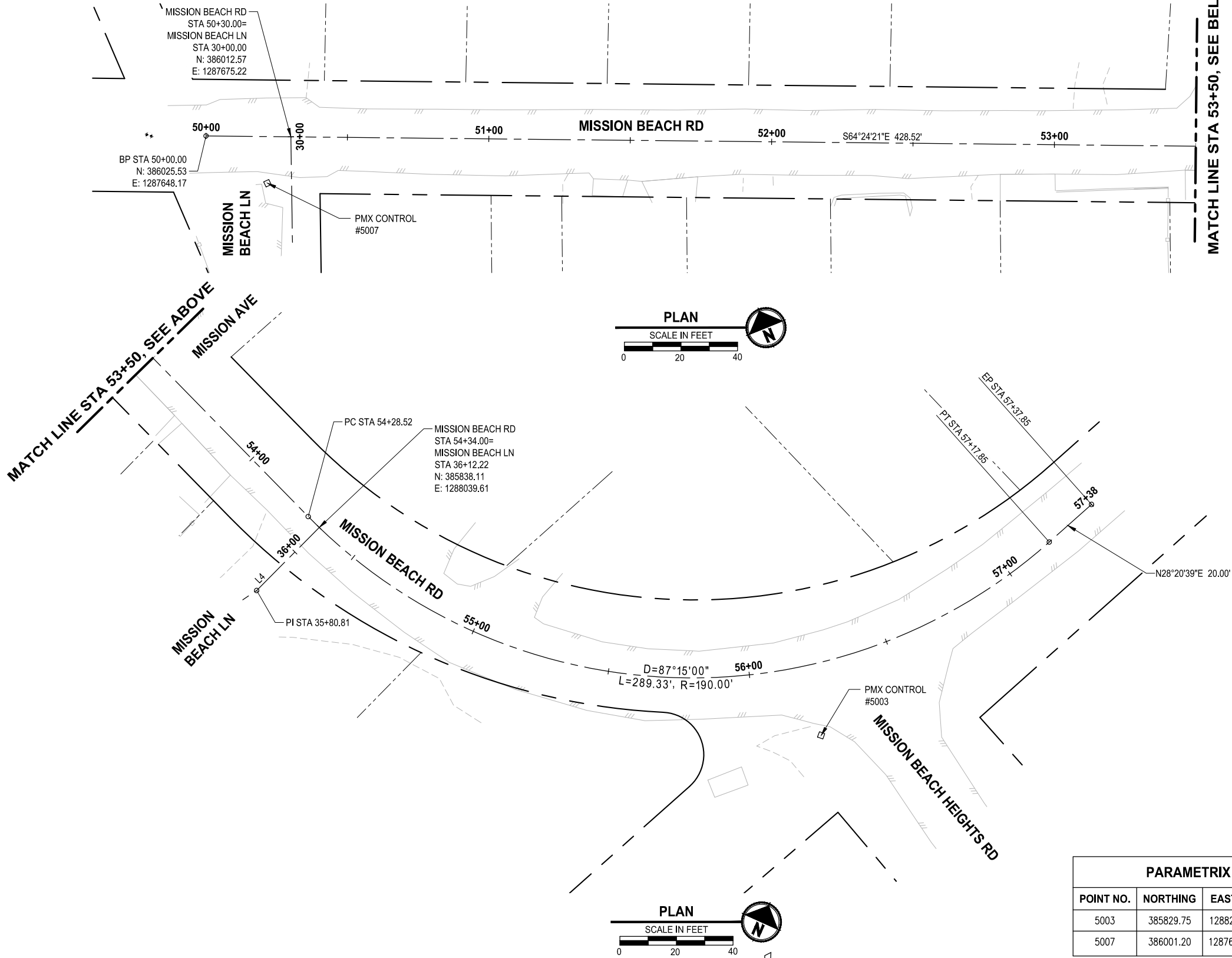
THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

88TH ST NE STA 20+00 - END

DRAWING NO.
5 OF 50

HC13

LAYOUT: HC14 PATH: \\parametrix.com\pmx\PSO\Projects\Clients\1598-158 TulalipTribes\216-1598-158 TulalipTribe\CAADD\DWG\Water - Hermosa-Mission-88th-Waterworks PLOTTED BY: mahmoudy DATE: Tuesday, July 29, 2025 8:35:11 PM



HORIZONTAL DATUM (WSRN):

HORIZONTAL DATUM FOR THIS SURVEY IS NAD 1983(11), WASHINGTON STATE PLANE NORTH ZONE COORDINATE SYSTEM, U.S. SURVEY FEET, BASED ON THE WASHINGTON STATE REFERENCE NETWORK (WSRN) WITH VERIFICATION TIES TO THE FOLLOWING MONUMENTS PUBLISHED BY WSDOT

POINT DESIGNATION: QUILCEDA
NORTHING: 388056.032
EASTING: 1307665.380

VERTICAL DATUM (WSRN):

VERTICAL DATUM FOR THIS SURVEY IS NAVD 88 BASED ON THE WASHINGTON STATE REFERENCE NETWORK (WSRN) WITH VERIFICATION TIES TO THE FOLLOWING MONUMENT PUBLISHED BY WSDOT
POINT DESIGNATION: QUILCEDA
ELEVATION: 19.997

STATISTICS:

EQUIPMENT: TRIMBLE R12I GPS AND TRIMBLE S7 ROBOTIC TOTAL STATION
METHODOLOGY: FIELD TRAVERSE AND GPS.
MEETS OR EXCEEDS SURVEY STANDARD AS PER:
WAC 332-130-050
WAC 332-130-090
WAC 332-130-100
ALL SURVEY WORK OCCURRED IN OCTOBER OF 2023.

SURVEY NOTES:

1. THE INTENDED PURPOSE OF THIS SURVEY IS TO PROVIDE EXISTING FEATURES AND CONDITIONS FOR THE PURPOSE OF ENGINEERING DESIGN OF A WATER LINE.
2. THIS MAP CORRECTLY REPRESENTS CONDITIONS AND FEATURES EXISTING AT THE TIME OF THIS SURVEY IN OCTOBER, 2023.
3. CONVENTIONAL AND GPS SURVEY EQUIPMENT WAS USED IN THE PERFORMANCE OF THIS SURVEY. ALL EQUIPMENT IS MAINTAINED IN CONFORMANCE WITH CURRENT STATE STATUTE.
4. THIS SURVEY WAS PREPARED BY FIELD TRAVERSE AS PER WAC 332-130-090, PART C. RELATIVE ACCURACY EXCEEDS 1 FOOT IN TEN THOUSAND.
5. ALL SURFACE FEATURES AND INVERT STRUCTURE ELEVATION SHOWN HEREON WERE FIELD LOCATED AND MEASURED BY PARAMETRIX FOR THIS SURVEY. UNDERGROUND UTILITY LINES WERE NOT LOCATED OR SURVEYED AS A PART OF THIS SURVEY.
6. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND STORM AND SEWER SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND STORM AND SEWER SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.
7. BOUNDARY INFORMATION SHOWN HEREON IS BASED ON PUBLIC RECORD PROVIDED BY THE SNOHOMISH COUNTY RECORDERS OFFICE.
8. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT, WHICH MAY REVEAL RESTRICTIONS OR EASEMENTS OF RECORD. ACCORDINGLY, NONE ARE SHOWN HEREON.
9. CONTOUR AND ELEVATION ACCURACY MEETS OR EXCEEDS THE NATIONAL MAPPING STANDARDS OF ONE-HALF THE CONTOUR INTERVAL. ALL CONTOURS ARE DERIVED FROM DIRECT FIELD OBSERVATIONS

REFERENCES:

- (R1) UNRECORDED PLAT OF MISSION BEACH HOMES
(R2) SNOQUALMIE BEACH PLAT VOL10 PG120
(R3) SNOHOMISH COUNTY SHORT PLAT ZA9403043 AFN 9704105001

PARAMETRIX CONTROL TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
5003	385829.75	1288231.51	48.28	SET HUB & TACK
5007	386001.20	1287660.78	19.75	SET HUB & TACK



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			CHECKED
			J. EMERY
			APPROVED
			H. LONGFELLOW

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FILE NAME	PS1598158-HC12-15
JOB No.	216-1598-158
DATE	JULY 2025

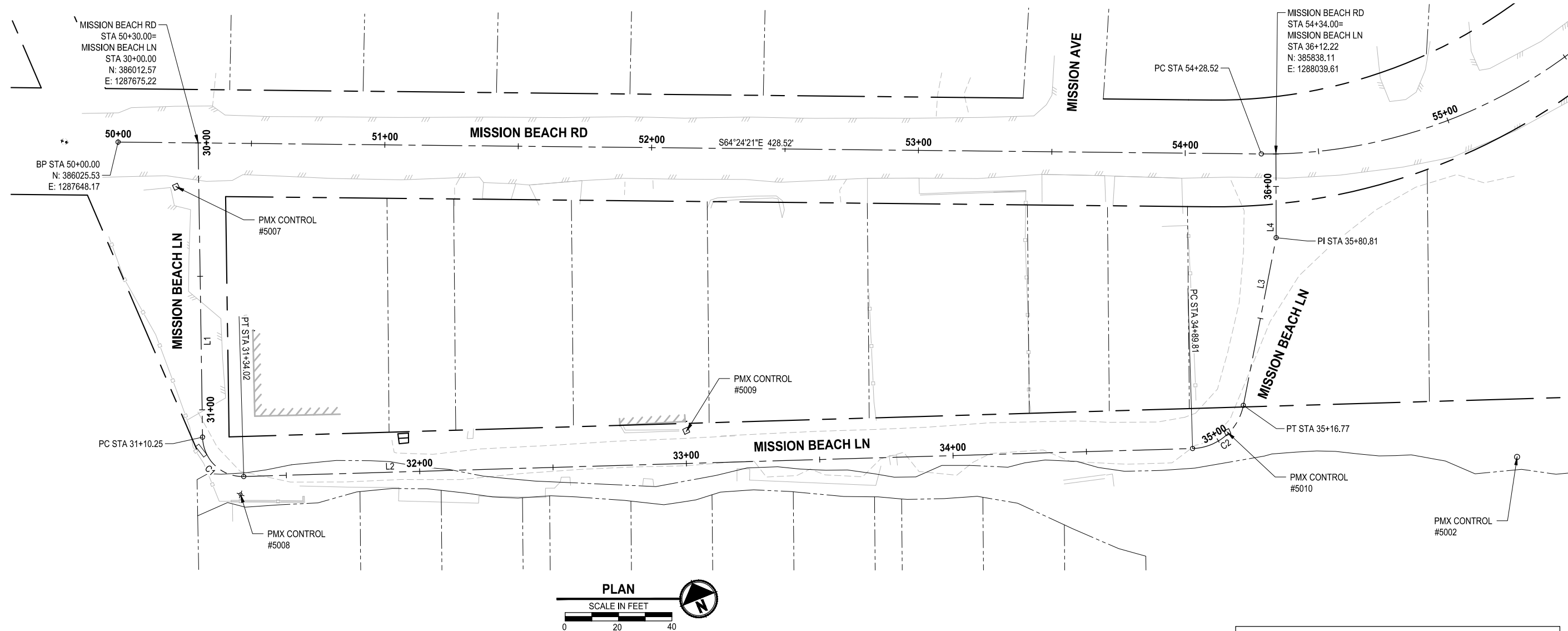


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PROJECT NAME
THE TULALIP TRIBES 2023 WATER SYSTEM IMPROVEMENTS TULALIP WASHINGTON

MISSION BEACH RD

DRAWING NO. 16 OF 50
HC14



LINE TABLE			
LINE ID	LENGTH	BEARING	ALIGNMENT NAME
L1	110.25'	S24° 08' 11"W	MISSION BEACH LN
L2	355.79'	S66° 41' 21"E	MISSION BEACH LN
L3	64.04'	N36° 04' 34"E	MISSION BEACH LN
L4	31.41'	N24° 49' 34"E	MISSION BEACH LN

PARAMETRIX CONTROL TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
5002	385696.99	1288073.56	37.02	SET R/CAP
5007	386001.20	1287660.78	19.75	SET HUB & TAC
5008	385886.46	1287633.97	20.31	SET NAIL
5009	385837.51	1287795.44	29.69	SET HUB & TAC
5010	385751.30	1287979.06	36.79	SET HUB & TAC

CURVE TABLE				
CURVE ID	LENGTH	RADIUS	DELTA	ALIGNMENT NAME
C1	23.78'	15.00'	90°49'32"	MISSION BEACH LI
C2	26.96'	20.00'	77°14'04"	MISSION BEACH LI



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				CHECKED J. EMERY
				APPROVED H. LONGFELLOW

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FILE NAME
PS1598158-HC12-15
JOB No.
216-1598-158
DATE
JULY 2025



PROJECT NAME

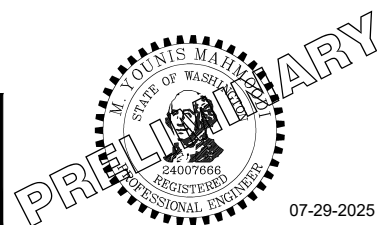
**THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS**

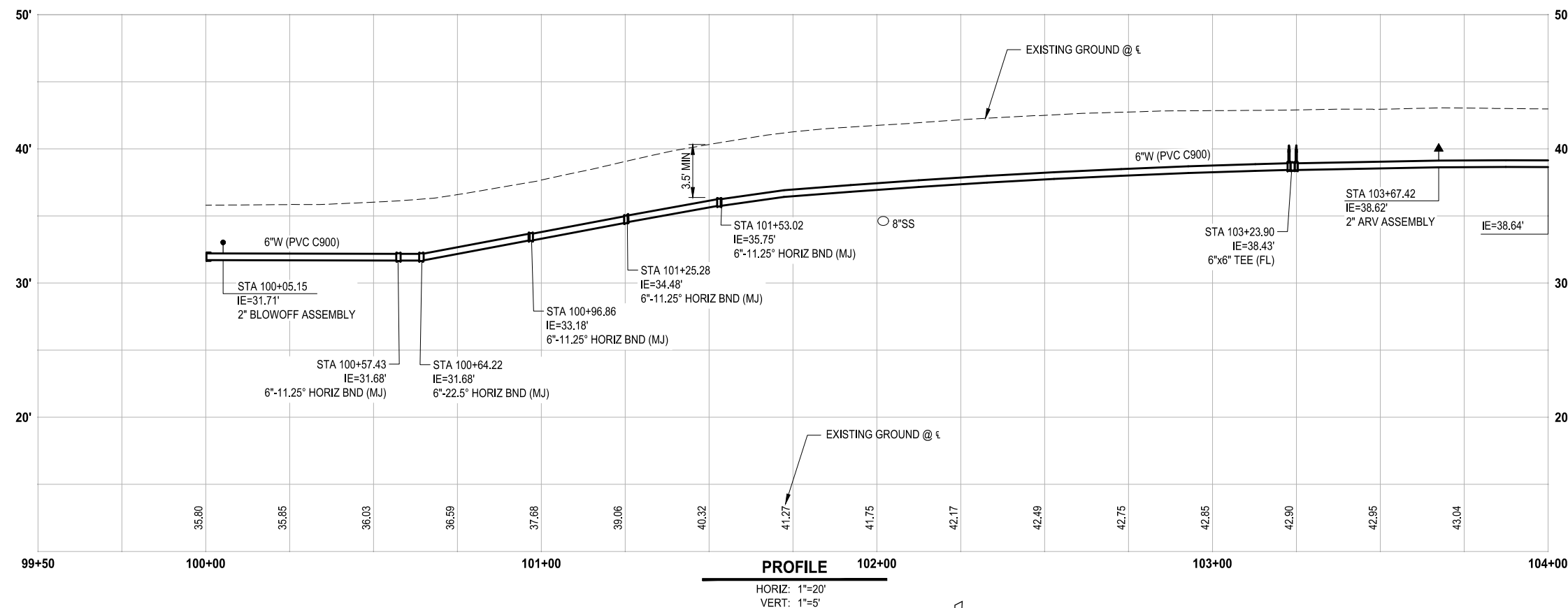
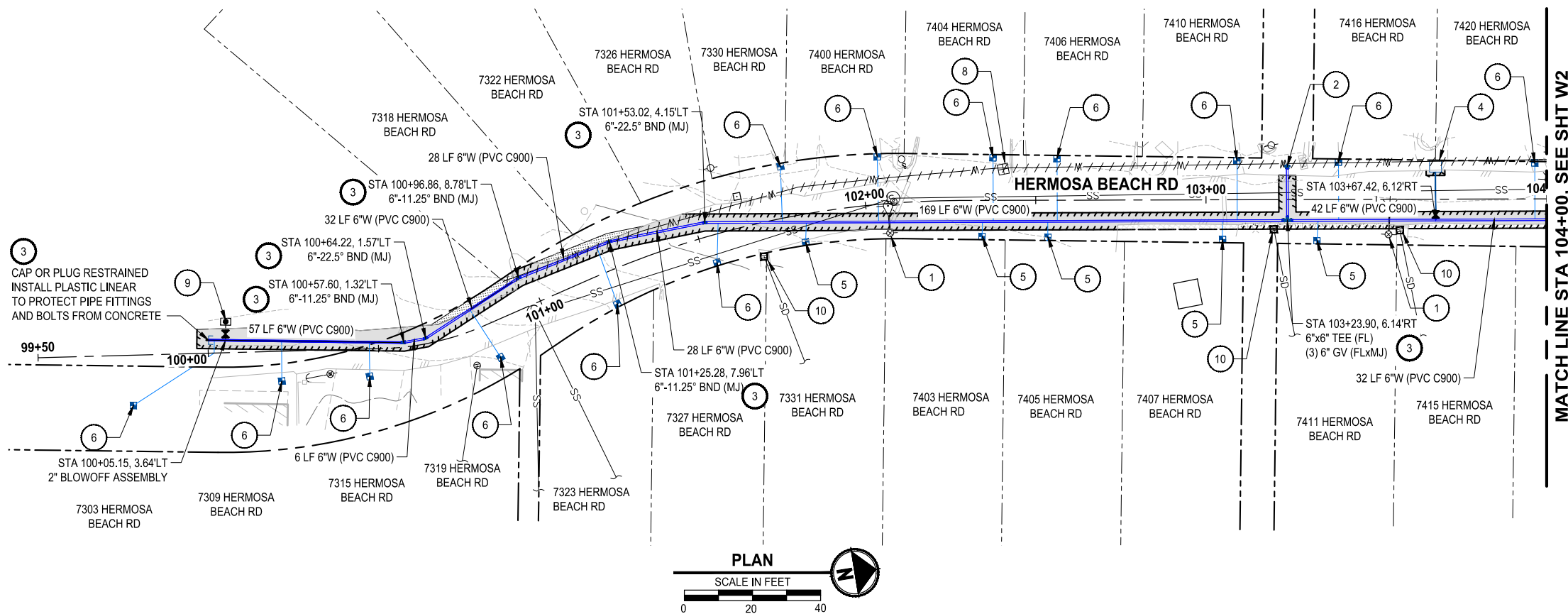
TULALIP WASHINGTON

MISSION BEACH LN

DRAWING NO.
17 OF 50

HC15

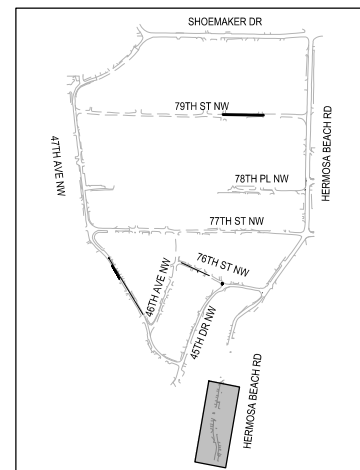
**KM1**




WATER KEY NOTES:

CONSTRUCTION NOTES:

TESC / RESTORATION LEGEND



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

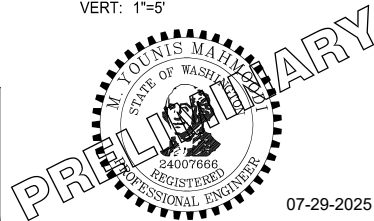
	REVISIONS	DATE	BY	DESIGNED Y. MAHMOODI
				DRAWN Y. MAHMOODI
				CHECKED J. WRIGHT
				APPROVED H. LONGFELLOW

ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

FILE NAME
PS1598158-W01-04

JOB No.
216-1598-158

DATE
JULY 2025

**ParametriX**

PROJECT NAME

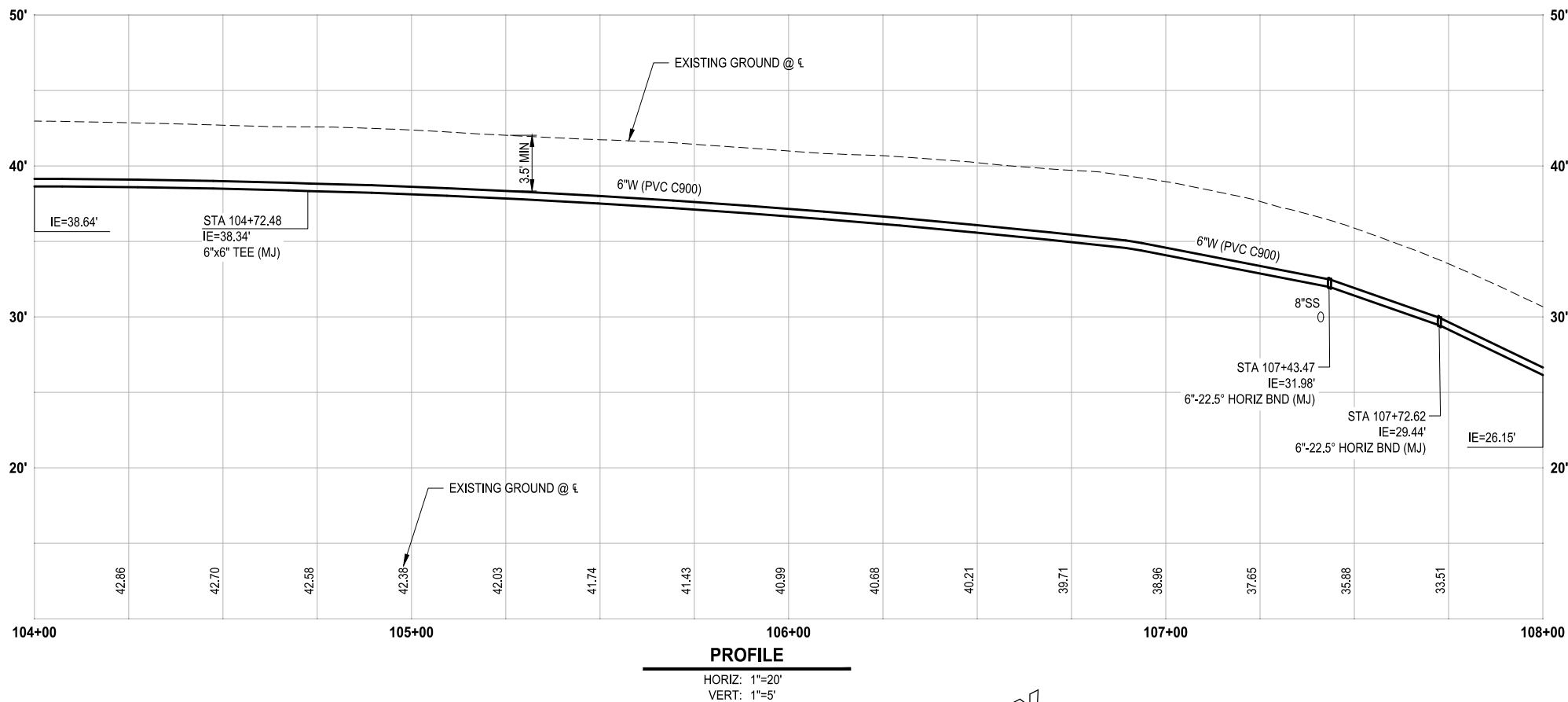
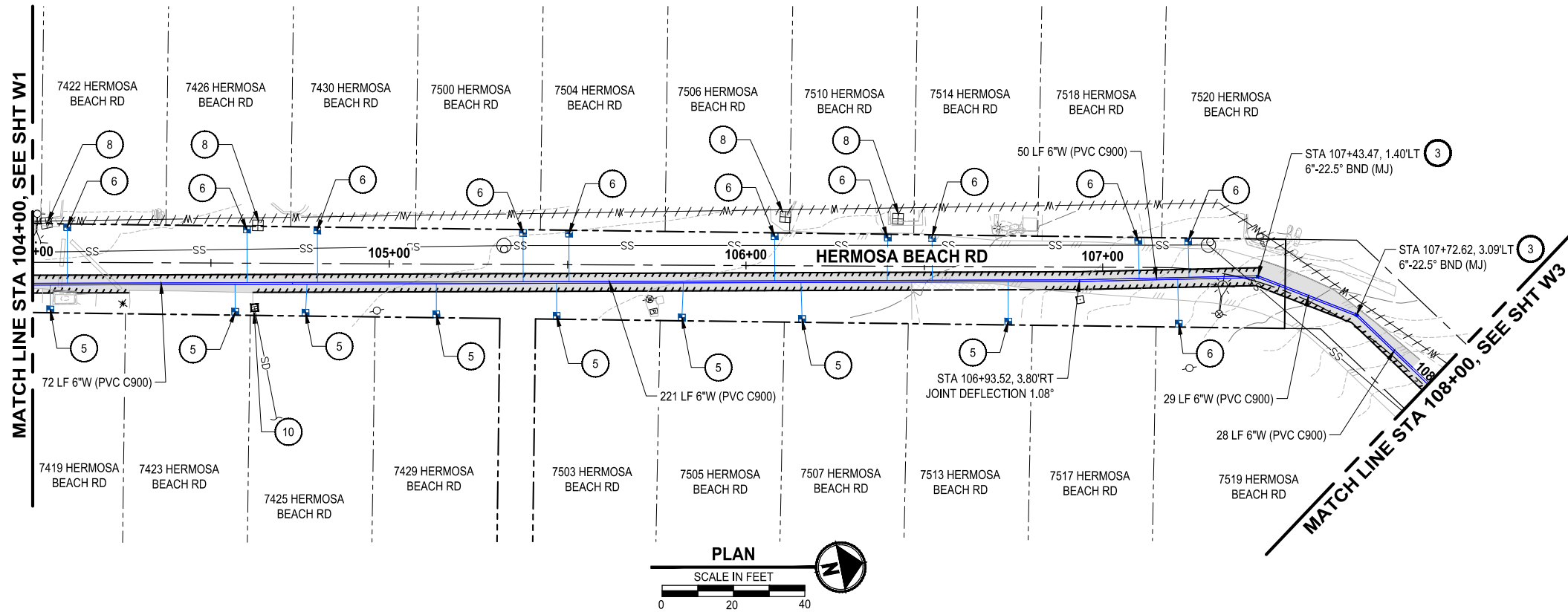
WATER PLAN & PROFILE

HERMOSA BEACH RD

BEGIN - STA 104+00

DRAWING NO.
19 OF 50

Path: \\parametrix.com\rm\PSO\Projects\Clients\1598-TulipTribes\216-1598-158-TulipBayWaterSystem\99Sves\CA00-DWG\Water-Hermosa-Mission-88th-Waterworks
LAYOUT: W2
PLOT BY: mahmoodi DATE: Tuesday, July 29, 2025 8:37:23 PM



WATER GENERAL NOTES:

1. MAINTAIN A MINIMUM 3.5' AND MAXIMUM 5.0' COVER OVER WATER MAIN (TYP) OR AS SHOWN IN THE PROFILE.
2. THE EXISTING WATER MAIN IS SHOWN BASED ON THE TULALIP GIS, AND SHALL BE FIELD VERIFIED.

WATER KEY NOTES:

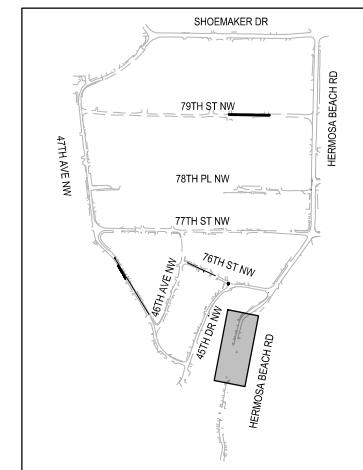
- 1 CONTRACTOR TO COORDINATE WITH SNOHOMISH COUNTY PUD IF NECESSARY FOR POLE HOLD.
- 2 INSTALL FIRE HYDRANT ASSEMBLY PER DETAIL 3, SHEET DT2.
- 3 THRUST BLOCKING PER DETAIL 8, SHEET DT3.
- 4 INSTALL 2-INCH COMBINATION AIR RELEASE / VACUUM VALVE ASSEMBLY PER DETAIL 10, SHEET DT3.
- 5 INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - SHORT SIDE.
- 6 INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - LONG SIDE.
- 7 CONTRACTOR SHALL EXPOSE EXISTING PIPE AT CONNECTION AND VERIFY DIMENSION AND FITTING NEEDS PRIOR TO ORDERING PARTS.
- 8 REMOVE EXISTING METER.
- 9 INSTALL 2" BLOWOFF ASSEMBLY PER DETAIL 5, SHEET DT2.
- 10 INLET PROTECTION

CONSTRUCTION NOTES:

1. WHEN A WATER MAIN IS TO BE INSTALLED WITH LESS THAN 10 FEET OF HORIZONTAL SEPARATION FROM A SEWER MAIN, AND A MINIMUM OF 18 INCHES OF VERTICAL SEPARATION IS MAINTAINED BETWEEN THE BOTTOM OF THE WATER MAIN AND THE CROWN OF THE SEWER, THE WATER MAIN AND ALL FITTINGS SHALL BE MECHANICALLY RESTRAINED USING ROMAC ROMAGRIP OR APPROVED EQUAL AS SHOWN ON SHEET DT3. ALL OTHER PIPE JOINTS NOT RECEIVING MECHANICAL RESTRAINT SHALL BE RESTRAINED WITH RESTRAINT GASKET AS SPECIFIED BY MANUFACTURER OR STAR PIPE EXTERIOR RESTRAINT HARNESS. IF THE REQUIRED 18-INCH VERTICAL SEPARATION CANNOT BE MAINTAINED AT A WATER MAIN CROSSING OVER A SEWER, THE WATER MAIN SHALL BE INSTALLED IN A STEEL CASING. A DESIGN REVISION REQUEST SHALL BE SUBMITTED TO THE ENGINEER A MINIMUM OF ONE WEEK PRIOR TO INSTALLATION OF THE AFFECTED PIPE SEGMENT.
2. SEE TYPICAL TRENCH SECTIONS DETAIL ON SHEET DT1 FOR PAVEMENT RESTORATION.
3. PRESERVE AND PROTECT EXISTING ASPHALT.
4. NEW METER AND FIRE HYDRANT LOCATIONS ARE APPROXIMATE AND THE CONTRACTOR SHALL COORDINATE WITH THE TRIBES AND FIELD VERIFY THE NEW LOCATIONS.
5. ALL EXISTING METERS FOUND IN THE FIELD, THAT HAVE NOT BEEN LABELED OR IDENTIFIED IN THE BASEMAP, AND WHERE TO REPLACE WITH A NEW METER, WILL BE REMOVED PER WATER KEY NOTES 8.

TESC / RESTORATION LEGEND

- SEEDING, FERTILIZATION, AND MULCHING
- ASPHALT RESTORATION
- CONCRETE RESTORATION
- GRAVEL RESTORATION
- CAP AND ABANDON EXISTING WATER MAIN
- SAWCUT
- STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00



KEY MAP

100% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION



REVISIONS	DATE	BY	DESIGNED
			Y. MAHMOODI
			DRAWN
			Y. MAHMOODI
			CHECKED
			J. WRIGHT
			APPROVED
			H. LONGFELLOW

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME
PS1598158-W01-04
JOB No.
216-1598-158
DATE
JULY 2025



07-29-2025

Parametrix

1019 39th Avenue SE, Suite 100 • Puyallup, WA 98374
Ph: 253.604.6600

PROJECT NAME

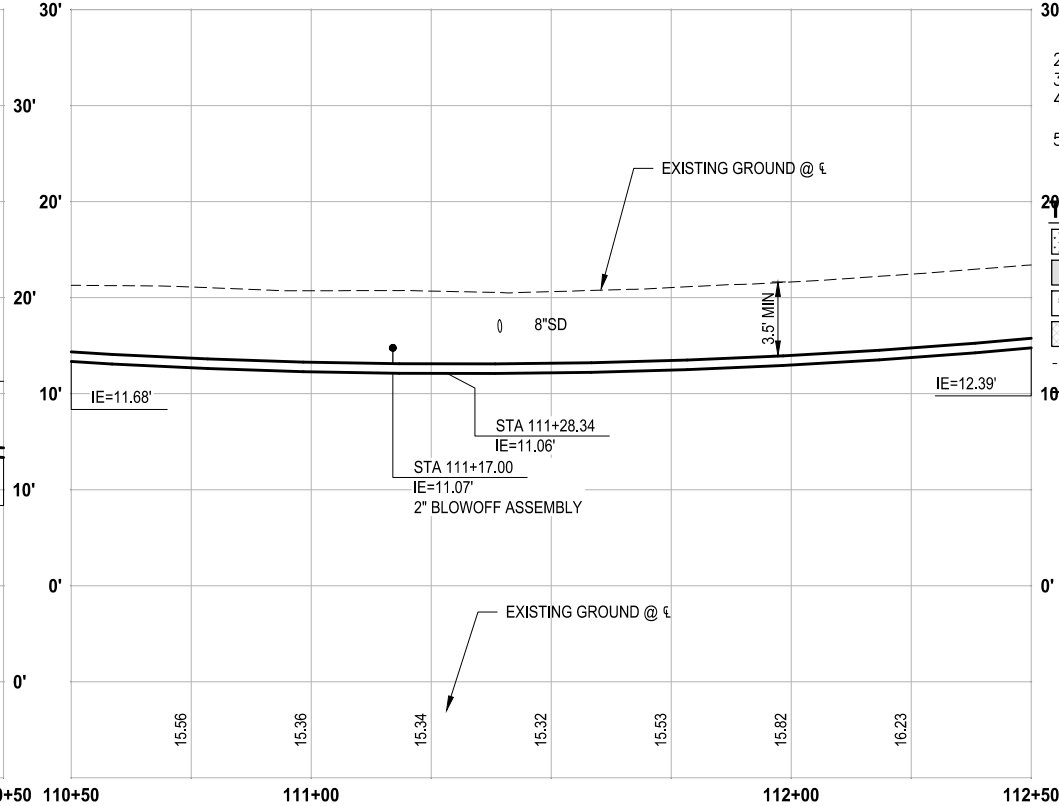
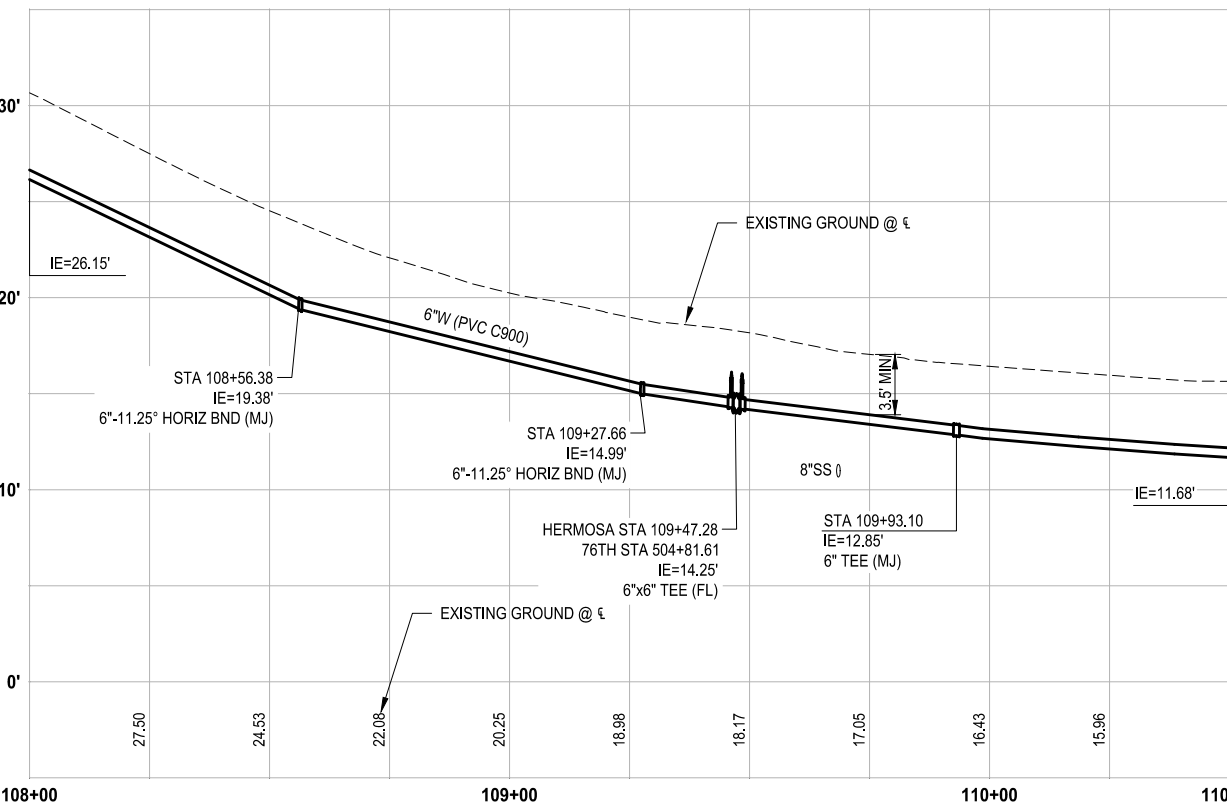
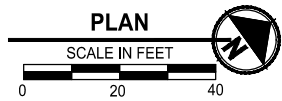
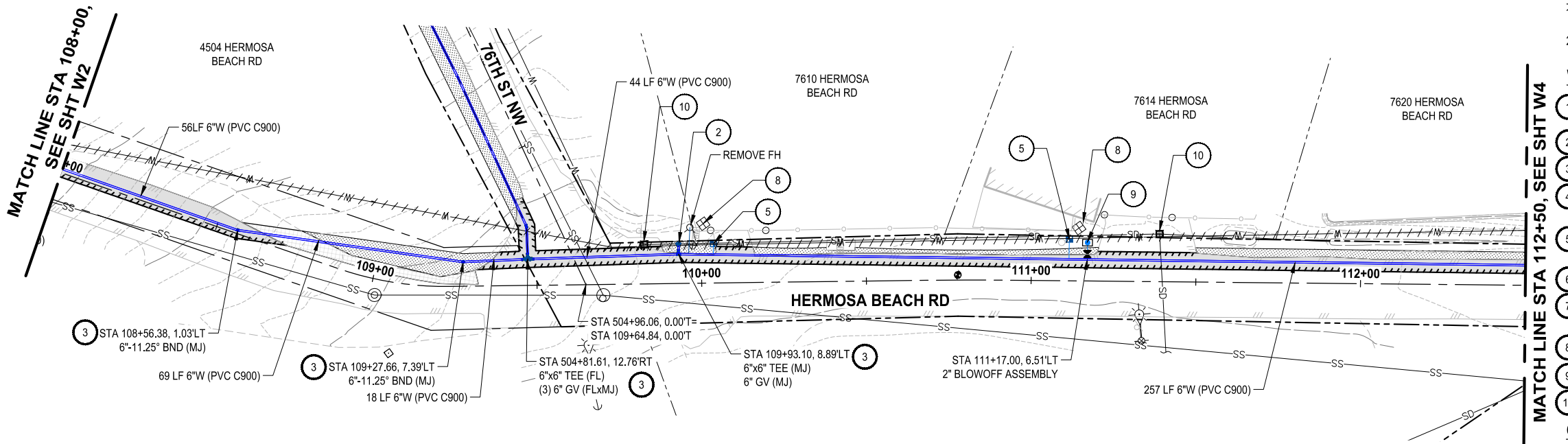
THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

WATER PLAN & PROFILE
HERMOSA BEACH RD
STA 104+00 - STA 108+00

DRAWING NO.
20 OF 50

W2

\\parametrix.com\rm\PSO\Projects\1598-TulipTribe\1598-TulipTribe\216-1598-158-TulipBayWaterSystem\99Svcs\CADD\DWG\Water - Hermosa-Mission-88th-Waterworks
LAYOUT: W3
PLOT BY: mahmoud DATE: Tuesday, July 29, 2025 8:37:29 PM



PROFILE

HORIZ: 1"=20'
VERT: 1"=10'

WATER GENERAL NOTES:

1. MAINTAIN A MINIMUM 3.5' AND MAXIMUM 5.0' COVER OVER WATER MAIN (TYP) OR AS SHOWN IN THE PROFILE.
2. THE EXISTING WATER MAIN IS SHOWN BASED ON THE TULALIP GIS, AND SHALL BE FIELD VERIFIED.

WATER KEY NOTES:

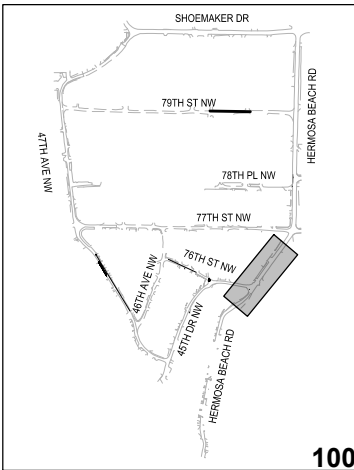
1. CONTRACTOR TO COORDINATE WITH SNOHOMISH COUNTY PUD IF NECESSARY FOR POLE HOLD.
2. INSTALL FIRE HYDRANT ASSEMBLY PER DETAIL 3, SHEET DT2.
3. THRUST BLOCKING PER DETAIL 8, SHEET DT3.
4. INSTALL 2-INCH COMBINATION AIR RELEASE / VACUUM VALVE ASSEMBLY PER DETAIL 10, SHEET DT3.
5. INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - SHORT SIDE.
6. INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - LONG SIDE.
7. CONTRACTOR SHALL EXPOSE EXISTING PIPE AT CONNECTION AND VERIFY DIMENSION AND FITTING NEEDS PRIOR TO ORDERING PARTS.
8. REMOVE EXISTING METER.
9. INSTALL 2" BLOWOFF ASSEMBLY PER DETAIL 5, SHEET DT2.
10. INLET PROTECTION

CONSTRUCTION NOTES:

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ESC / RESTORATION LEGEND

- SEEDING, FERTILIZATION, AND MULCHING
- ASPHALT RESTORATION
- CONCRETE RESTORATION
- GRAVEL RESTORATION
- CAP AND ABANDON EXISTING WATER MAIN
- SAWCUT
- STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00



KEY MAP



100% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			Y. MAHMOUDI
			DRAWN
			Y. MAHMOUDI
			CHECKED
			APPROVED

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY	
FILE NAME	PS1598158-W01-04
JOB No.	216-1598-158
DATE	JULY 2025



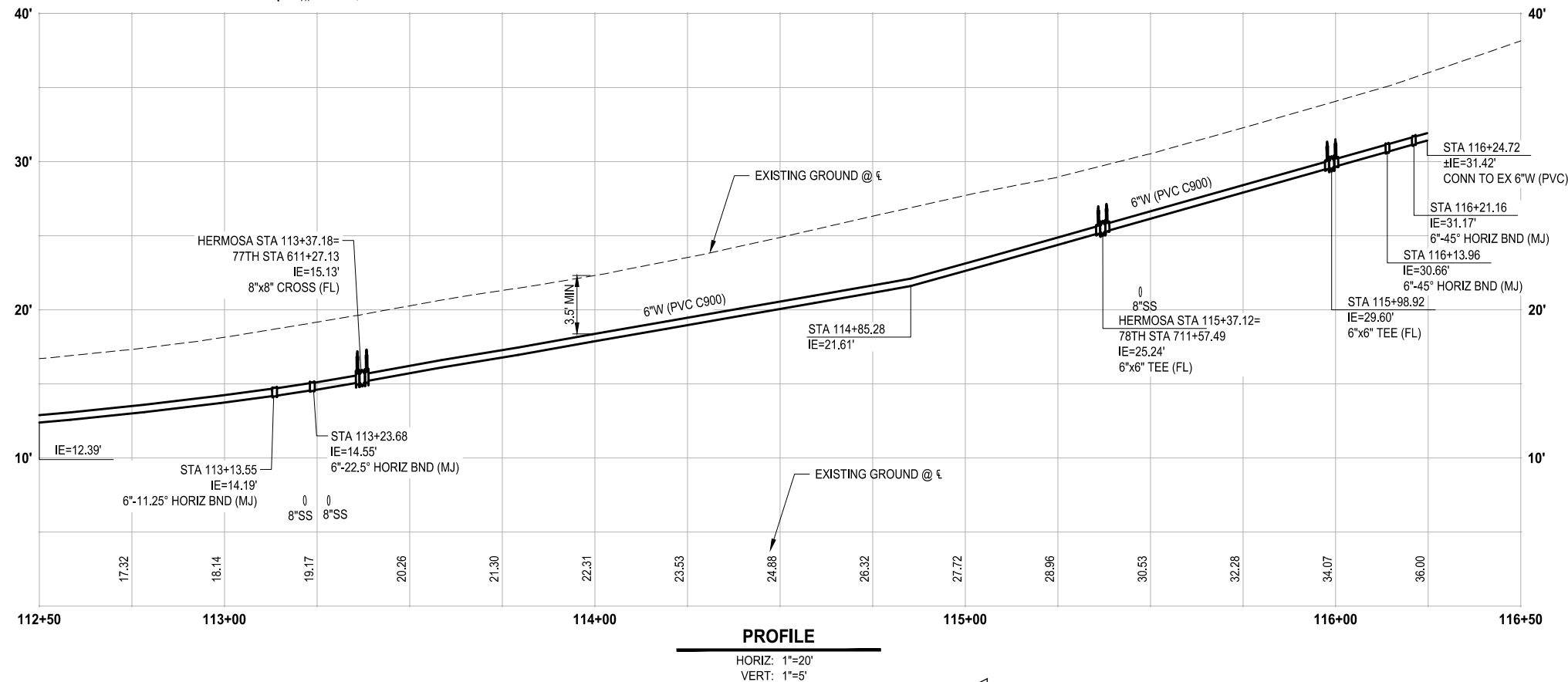
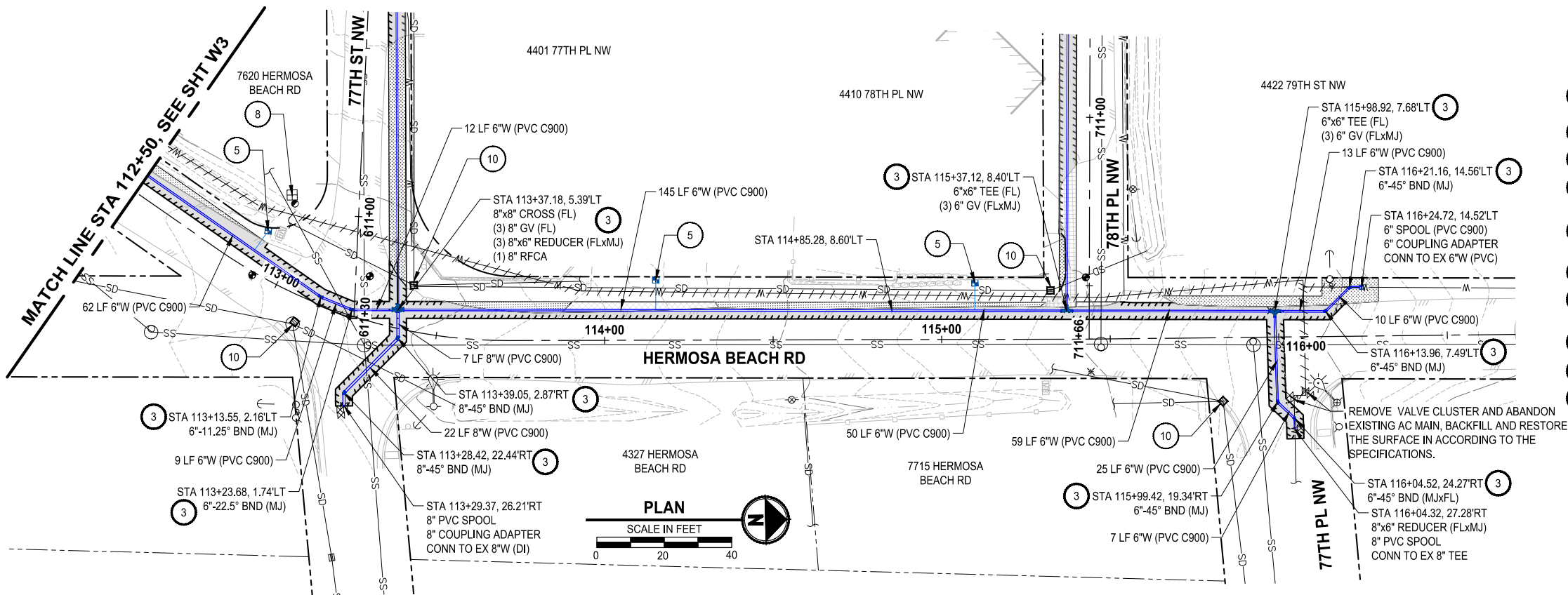
Parametrix
1019 39th Avenue SE, Suite 100 • Puyallup, WA 98374
Ph: 253.604.6600

PROJECT NAME
THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

WATER PLAN & PROFILE
HERMOSA BEACH RD
STA 108+00 - STA 112+50

DRAWING NO.
21 OF 50
W3

Plotted By: mahmoudy DATE: Tuesday, July 29, 2025 8:37:34 PM
LAYOUT: W4
Path: \\parametrix.com\rm\PSO\Projects\Clients\Tulip\Tribes\1598-TulipTribe\216-1598-158 TulipBayWaterSystem\99Sves\CA00 DWG\Water - Hermosa-Mission-88th-Waterworks



WATER GENERAL NOTES:

1. MAINTAIN A MINIMUM 3.5' AND MAXIMUM 5.0' COVER OVER WATER MAIN (TYP) OR AS SHOWN IN THE PROFILE.
2. THE EXISTING WATER MAIN IS SHOWN BASED ON THE TULALIP GIS, AND SHALL BE FIELD VERIFIED.

WATER KEY NOTES:

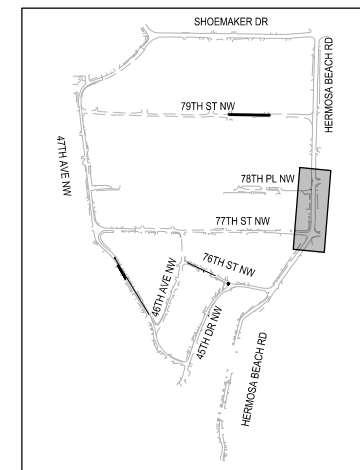
- 1 CONTRACTOR TO COORDINATE WITH SNOHOMISH COUNTY PUD IF NECESSARY FOR POLE HOLD.
- 2 INSTALL FIRE HYDRANT ASSEMBLY PER DETAIL 3, SHEET DT2.
- 3 THRUST BLOCKING PER DETAIL 8, SHEET DT3.
- 4 INSTALL 2-INCH COMBINATION AIR RELEASE / VACUUM VALVE ASSEMBLY PER DETAIL 10, SHEET DT3.
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- 7 CONTRACTOR SHALL EXPOSE EXISTING PIPE AT CONNECTION AND VERIFY DIMENSION AND FITTING NEEDS PRIOR TO ORDERING PARTS.
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- 10 INLET PROTECTION

CONSTRUCTION NOTES:

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TESC / RESTORATION LEGEND

- SEEDING, FERTILIZATION, AND MULCHING
- ASPHALT RESTORATION
- CONCRETE RESTORATION
- GRAVEL RESTORATION
- CAP AND ABANDON EXISTING WATER MAIN
- SAWCUT
- STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00



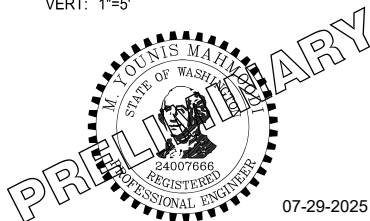
KEY MAP

100% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION



REVISIONS	DATE	BY	DESIGNED
			Y. MAHMOODI
			DRAWN
			Y. MAHMOODI
			CHECKED
			J. WRIGHT
			APPROVED
			H. LONGFELLOW

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME
PS1598158-W01-04
JOB No.
216-1598-158
DATE
JULY 2025



07-29-2025

Parametrix

1019 39th Avenue SE, Suite 100 • Puyallup, WA 98374
Ph: 253.604.6600

PROJECT NAME

THE TULALIP TRIBES

2023 WATER SYSTEM IMPROVEMENTS

TULALIP WASHINGTON

WATER PLAN & PROFILE

HERMOSA BEACH RD

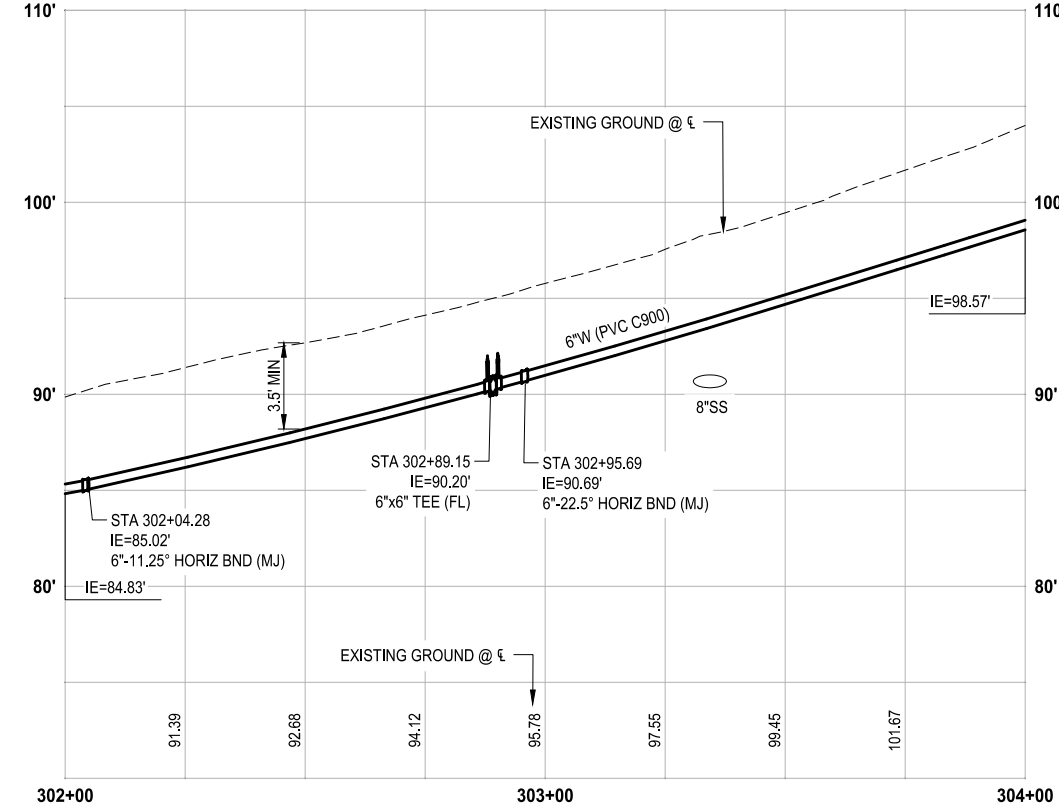
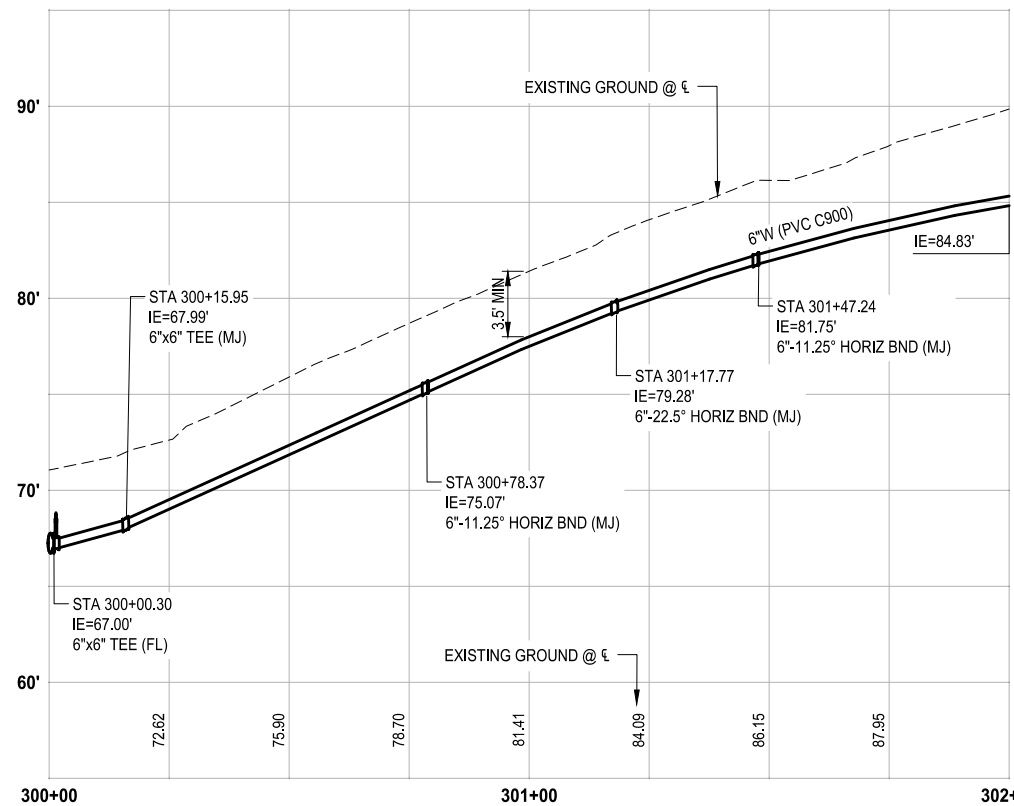
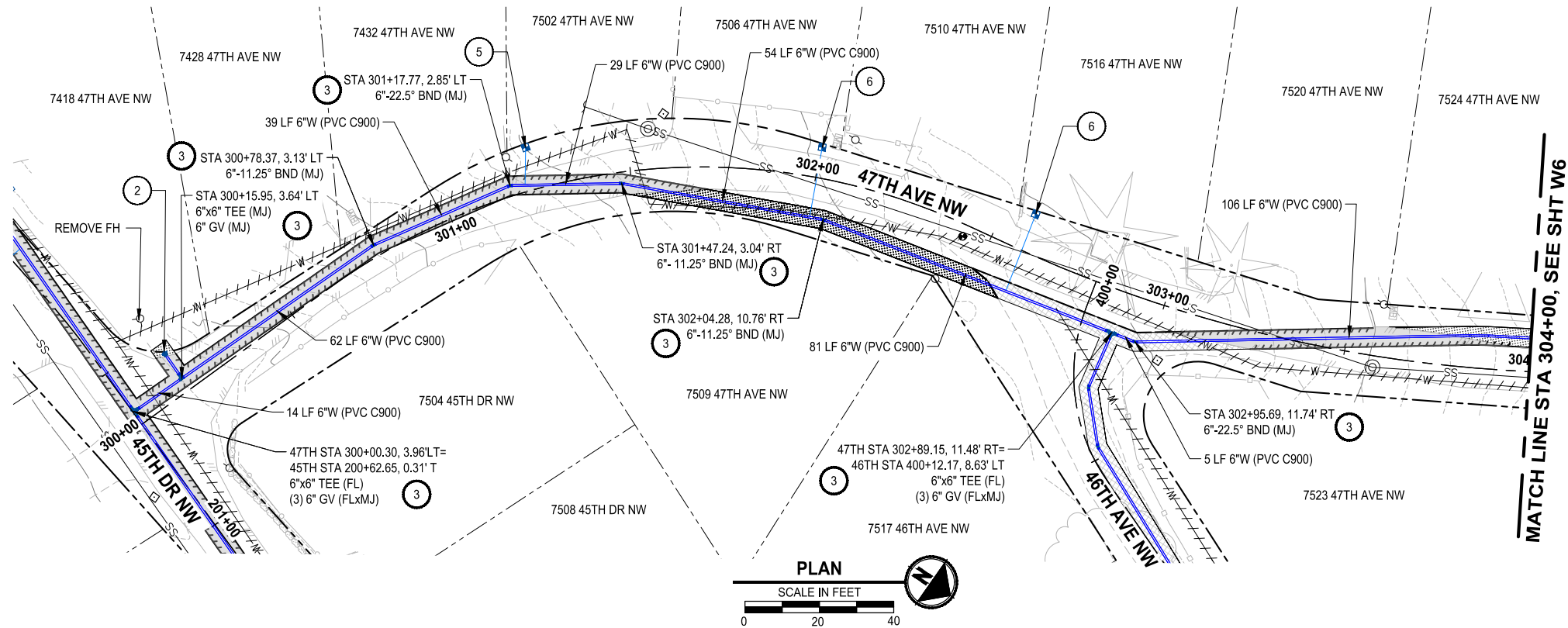
STA 112+50 - STA 116+50

DRAWING NO.

22 OF 50

W4

\\parametrix.com\my\PSO\Projects\Clients\Tulip\Tribes\1598-TulipTribe\216-1598-158 TulipBayWaterSystem\99Sves\CADD\DWG\Water - Hermosa-Mission-88th-Waterworks
LAYOUT: W5
DATE: Tuesday, July 29, 2025 8:38:54 PM
PLOT BY: mahmoody



PROFILE

HORIZ: 1"=20'
VERT: 1"=5'

WATER GENERAL NOTES:

1. MAINTAIN A MINIMUM 3.5' AND MAXIMUM 5.0' COVER OVER WATER MAIN (TYP) OR AS SHOWN IN THE PROFILE.
2. THE EXISTING WATER MAIN IS SHOWN BASED ON THE TULALIP GIS, AND SHALL BE FIELD VERIFIED.

WATER KEY NOTES:

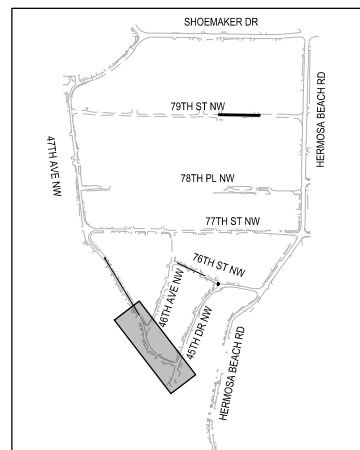
- 1 CONTRACTOR TO COORDINATE WITH SNOHOMISH COUNTY PUD IF NECESSARY FOR POLE HOLD.
- 2 INSTALL FIRE HYDRANT ASSEMBLY PER DETAIL 3, SHEET DT2.
- 3 THRUST BLOCKING PER DETAIL 8, SHEET DT3.
- 4 INSTALL 2-INCH COMBINATION AIR RELEASE / VACUUM VALVE ASSEMBLY PER DETAIL 10, SHEET DT3.
- 5 INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - SHORT SIDE.
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- 7 CONTRACTOR SHALL EXPOSE EXISTING PIPE AT CONNECTION AND VERIFY DIMENSION AND FITTING NEEDS PRIOR TO ORDERING PARTS.
- 8 REMOVE EXISTING METER.
- 9 INSTALL 2" BLOWOFF ASSEMBLY PER DETAIL 5, SHEET DT2.
- 10 INLET PROTECTION

CONSTRUCTION NOTES:

1. WHEN A WATER MAIN IS TO BE INSTALLED WITH LESS THAN 10 FEET OF HORIZONTAL SEPARATION FROM A SEWER MAIN, AND A MINIMUM OF 18 INCHES OF VERTICAL SEPARATION IS MAINTAINED BETWEEN THE BOTTOM OF THE WATER MAIN AND THE CROWN OF THE SEWER, THE WATER MAIN AND ALL FITTINGS SHALL BE MECHANICALLY RESTRAINED USING ROMAC ROMAGRIP OR APPROVED EQUAL AS SHOWN ON SHEET DT3. ALL OTHER PIPE JOINTS NOT RECEIVING MECHANICAL RESTRAINT SHALL BE RESTRAINED WITH RESTRAINT GASKET AS SPECIFIED BY MANUFACTURER OR STAR PIPE EXTERIOR RESTRAINT HARNESS. IF THE REQUIRED 18-INCH VERTICAL SEPARATION CANNOT BE MAINTAINED AT A WATER MAIN CROSSING OVER A SEWER, THE WATER MAIN SHALL BE INSTALLED IN A STEEL CASING. A DESIGN REVISION REQUEST SHALL BE SUBMITTED TO THE ENGINEER A MINIMUM OF ONE WEEK PRIOR TO INSTALLATION OF THE AFFECTED PIPE SEGMENT.
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3. PRESERVE AND PROTECT EXISTING ASPHALT.
4. NEW METER AND FIRE HYDRANT LOCATIONS ARE APPROXIMATE AND THE CONTRACTOR SHALL COORDINATE WITH THE TRIBES AND FIELD VERIFY THE NEW LOCATIONS.
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TESC / RESTORATION LEGEND

- SEEDING, FERTILIZATION, AND MULCHING
- ASPHALT RESTORATION
- CONCRETE RESTORATION
- GRAVEL RESTORATION
- CAP AND ABANDON EXISTING WATER MAIN
- SAWCUT
- STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00



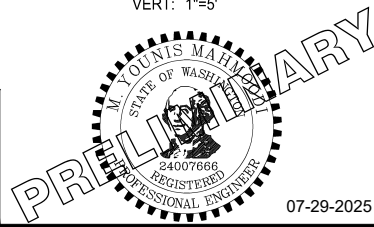
KEY MAP



100% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			Y. MAHMOODI
			DRAWN
			Y. MAHMOODI
			CHECKED
			J. WRIGHT
			APPROVED
			H. LONGFELLOW

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME
PS1598158-W05-07
JOB No.
216-1598-158
DATE
JULY 2025



07-29-2025

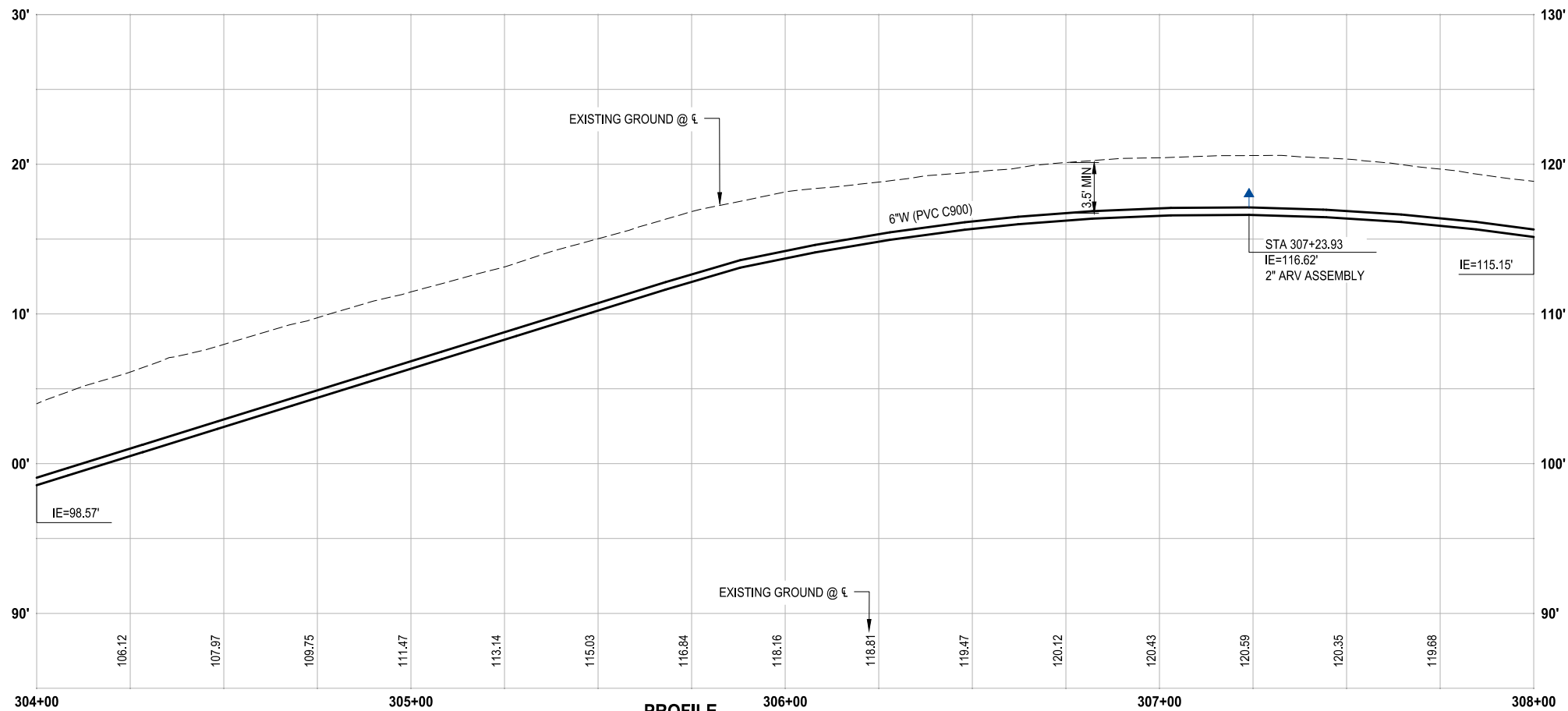
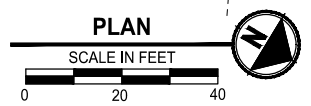
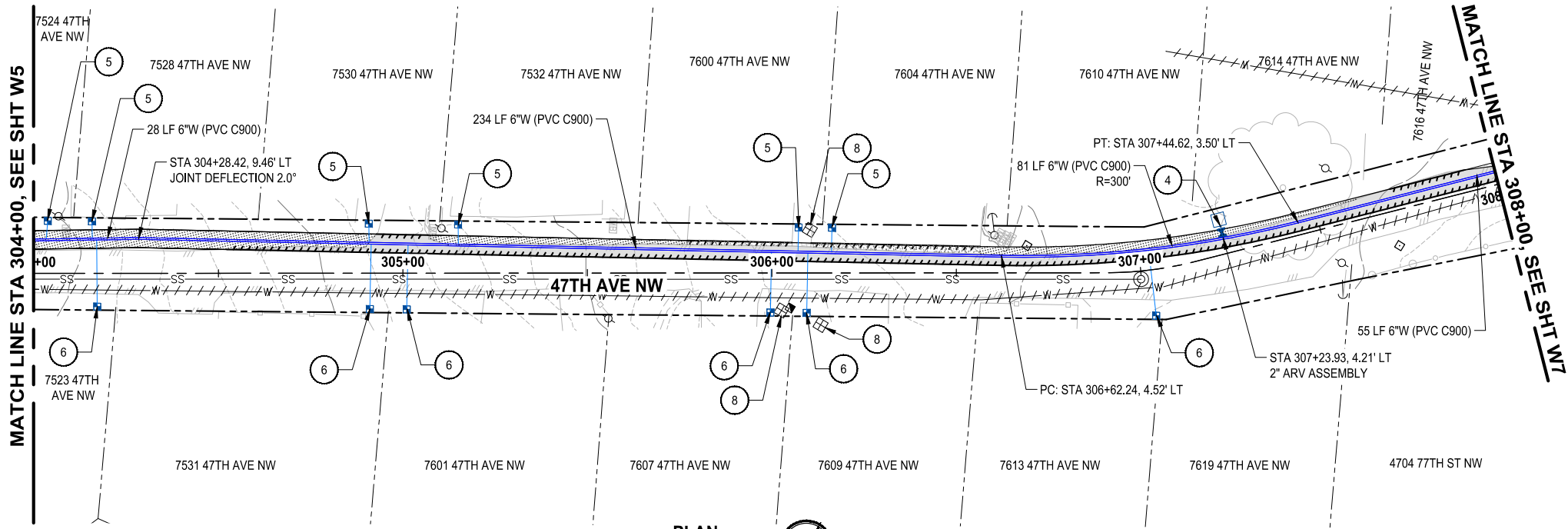
Parametrix
1019 39th Avenue SE, Suite 100 • Puyallup, WA 98374
Ph: 253.604.6600

PROJECT NAME
**THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS**
TULALIP WASHINGTON

**WATER PLAN & PROFILE
47TH AVE NW BEGIN -
STA 304+00**

DRAWING NO.
23 OF 50
W5

Path: \\parametrix.com\rm\PSO\Projects\Clients\1598-TulalipTribe\1598-TulalipTribe\216-1598-158-TulalipTribe\Water\99\SS\CAD\DWG\Water-Hermosa-Mission-88th-Water-Works
LAYOUT: W6
PLOT BY: mahmoud DATE: Tuesday, July 29, 2025 8:38:58 PM



PROFILE
HORIZ: 1"=20'
VERT: 1"=5'

WATER GENERAL NOTES:

1. MAINTAIN A MINIMUM 3.5' AND MAXIMUM 5.0' COVER OVER WATER MAIN (TYP) OR AS SHOWN IN THE PROFILE.
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WATER KEY NOTES:

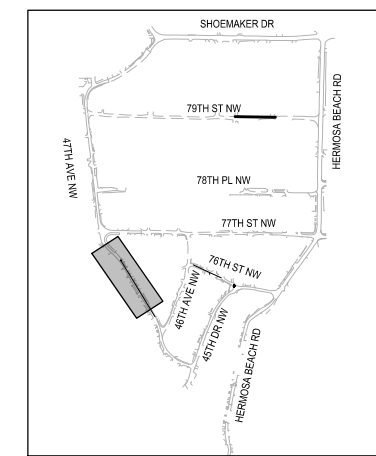
1. CONTRACTOR TO COORDINATE WITH SNOHOMISH COUNTY PUD IF NECESSARY FOR POLE HOLD.
2. INSTALL FIRE HYDRANT ASSEMBLY PER DETAIL 3, SHEET DT2.
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4. INSTALL 2-INCH COMBINATION AIR RELEASE / VACUUM VALVE ASSEMBLY PER DETAIL 10, SHEET DT3.
5. INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - SHORT SIDE.
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7. CONTRACTOR SHALL EXPOSE EXISTING PIPE AT CONNECTION AND VERIFY DIMENSION AND FITTING NEEDS PRIOR TO ORDERING PARTS.
8. REMOVE EXISTING METER.
9. INSTALL 2" BLOWOFF ASSEMBLY PER DETAIL 5, SHEET DT2.
10. INLET PROTECTION

CONSTRUCTION NOTES:

1. WHEN A WATER MAIN IS TO BE INSTALLED WITH LESS THAN 10 FEET OF HORIZONTAL SEPARATION FROM A SEWER MAIN, AND A MINIMUM OF 18 INCHES OF VERTICAL SEPARATION IS MAINTAINED BETWEEN THE BOTTOM OF THE WATER MAIN AND THE CROWN OF THE SEWER, THE WATER MAIN AND ALL FITTINGS SHALL BE MECHANICALLY RESTRAINED USING ROMAC ROMAGRIP OR APPROVED EQUAL AS SHOWN ON SHEET DT3. ALL OTHER PIPE JOINTS NOT RECEIVING MECHANICAL RESTRAINT SHALL BE RESTRAINED WITH RESTRAINT GASKET AS SPECIFIED BY MANUFACTURER OR STAR PIPE EXTERIOR RESTRAINT HARNESS. IF THE REQUIRED 18-INCH VERTICAL SEPARATION CANNOT BE MAINTAINED AT A WATER MAIN CROSSING OVER A SEWER, THE WATER MAIN SHALL BE INSTALLED IN A STEEL CASING. A DESIGN REVISION REQUEST SHALL BE SUBMITTED TO THE ENGINEER A MINIMUM OF ONE WEEK PRIOR TO INSTALLATION OF THE AFFECTED PIPE SEGMENT.
2. SEE TYPICAL TRENCH SECTIONS DETAIL ON SHEET DT1 FOR PAVEMENT RESTORATION.
3. PRESERVE AND PROTECT EXISTING ASPHALT.
4. NEW METER AND FIRE HYDRANT LOCATIONS ARE APPROXIMATE AND THE CONTRACTOR SHALL COORDINATE WITH THE TRIBES AND FIELD VERIFY THE NEW LOCATIONS.
5. ALL EXISTING METERS FOUND IN THE FIELD, THAT HAVE NOT BEEN LABELED OR IDENTIFIED IN THE BASEMAP, AND WHERE TO REPLACE WITH A NEW METER, WILL BE REMOVED PER WATER KEY NOTES 8.

TESC / RESTORATION LEGEND

- SEEDING, FERTILIZATION, AND MULCHING
- ASPHALT RESTORATION
- CONCRETE RESTORATION
- GRAVEL RESTORATION
- CAP AND ABANDON EXISTING WATER MAIN
- SAWCUT
- STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00



KEY MAP



100% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

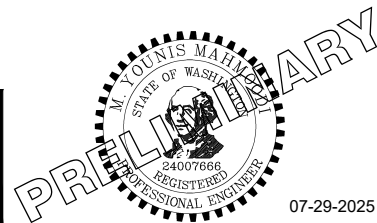
REVISIONS	DATE	BY	DESIGNED
			Y. MAHMOODI
			DRAWN
			Y. MAHMOODI
			CHECKED
			J. WRIGHT
			APPROVED
			H. LONGFELLOW

ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

FILE NAME
PS1598158-W05-07

JOB No.
216-1598-158

DATE
JULY 2025



07-29-2025

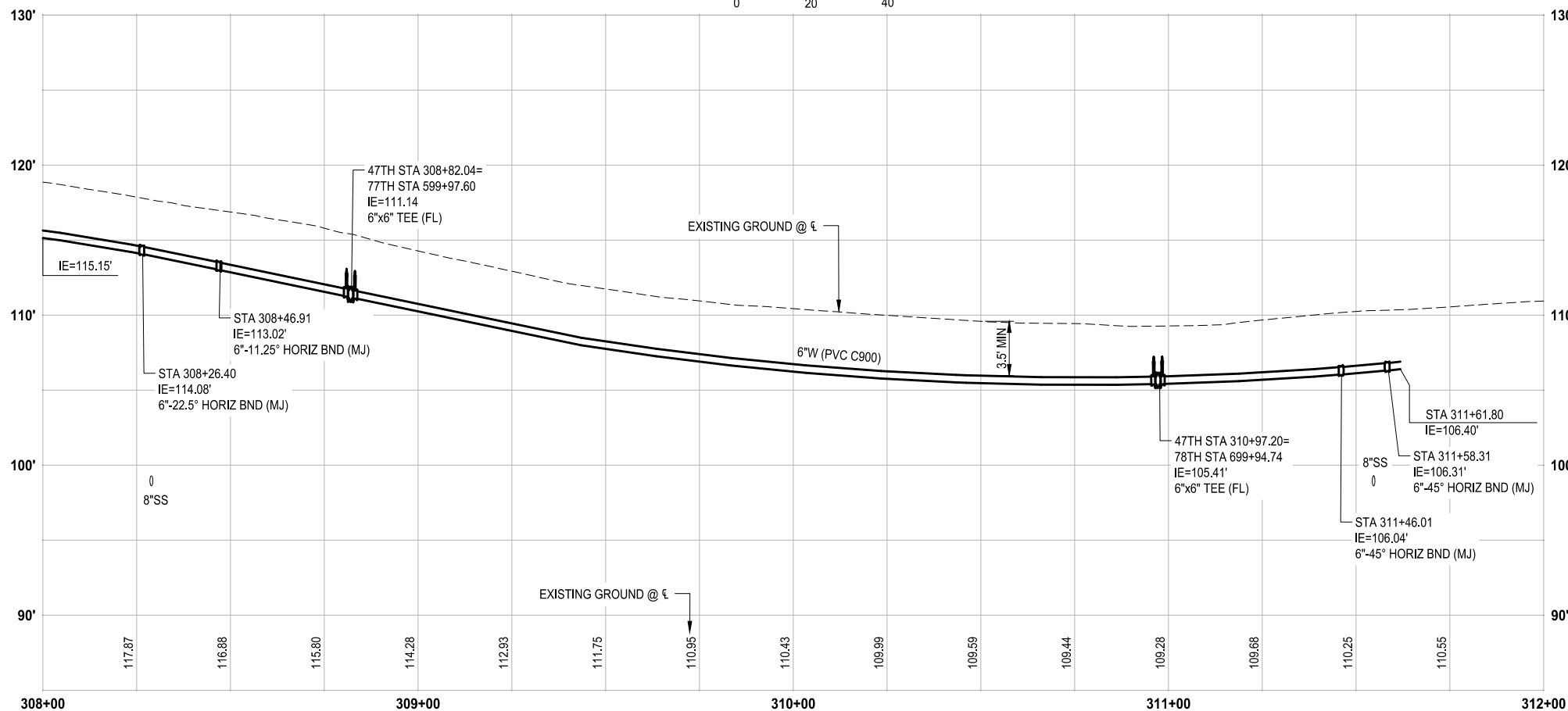
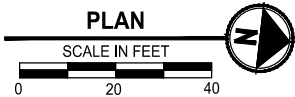
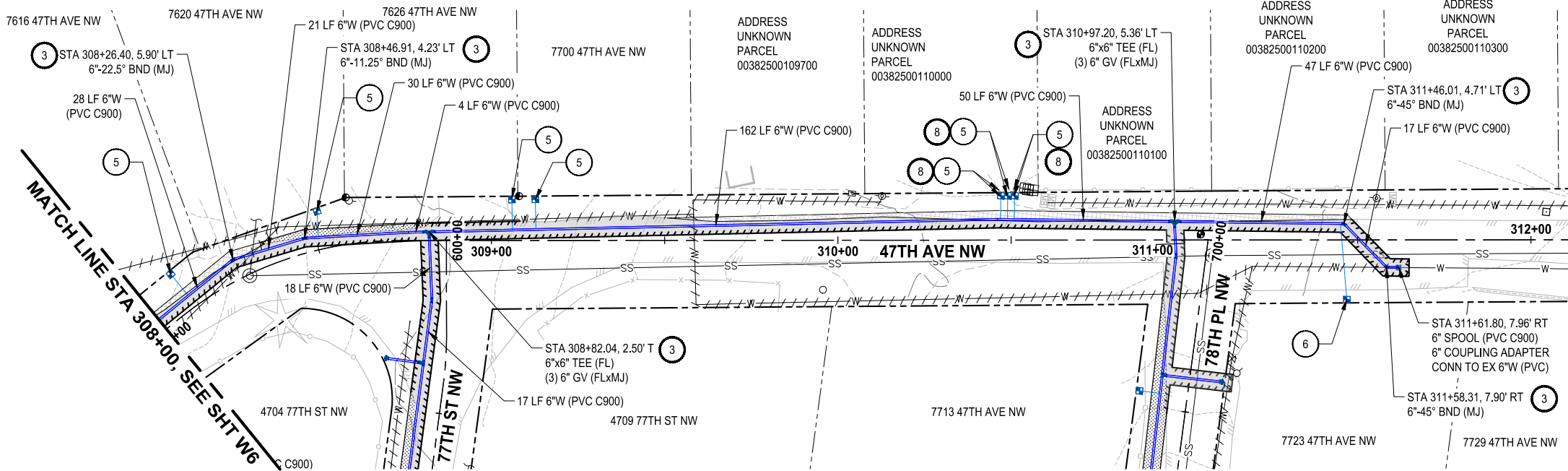
Parametrix
1019 39th Avenue SE, Suite 100 • Puyallup, WA 98374
Ph: 253.604.6600

PROJECT NAME
**THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS**
TULALIP WASHINGTON

**WATER PLAN & PROFILE
47TH AVE NW STA 304+00 -
STA 308+00**

DRAWING NO.
24 OF 50
W6

PLotted BY: mahmoud DATE: Tuesday, July 29, 2025 8:39:03 PM
LAYOUT: W7
Path: \\parametrix.com\rm\PSO\Projects\Clients\1598-TulalipTribes\1598-TulalipTribes\216-1598-158-TulalipTribes\99Sves\CADD\DWG\Water - Hermosa-Mission-88th-Waterworks



PROFILE

HORIZ: 1"=20'
VERT: 1"=5'

WATER GENERAL NOTES:

1. MAINTAIN A MINIMUM 3.5' AND MAXIMUM 5.0' COVER OVER WATER MAIN (TYP) OR AS SHOWN IN THE PROFILE.
2. THE EXISTING WATER MAIN IS SHOWN BASED ON THE TULALIP GIS, AND SHALL BE FIELD VERIFIED.

WATER KEY NOTES:

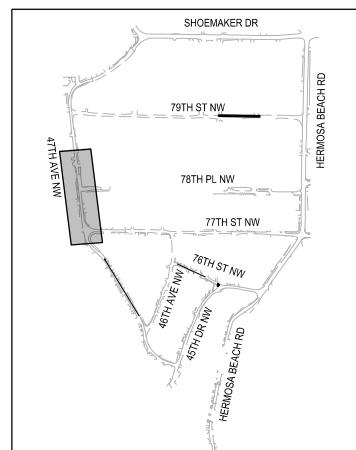
- 1 CONTRACTOR TO COORDINATE WITH SNOHOMISH COUNTY PUD IF NECESSARY FOR POLE HOLD.
- 2 INSTALL FIRE HYDRANT ASSEMBLY PER DETAIL 3, SHEET DT2.
- 3 THRUST BLOCKING PER DETAIL 8, SHEET DT3.
- 4 INSTALL 2-INCH COMBINATION AIR RELEASE / VACUUM VALVE ASSEMBLY PER DETAIL 10, SHEET DT3.
- 5 INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - SHORT SIDE.
- 6 INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - LONG SIDE.
- 7 CONTRACTOR SHALL EXPOSE EXISTING PIPE AT CONNECTION AND VERIFY DIMENSION AND FITTING NEEDS PRIOR TO ORDERING PARTS.
- 8 REMOVE EXISTING METER.
- 9 INSTALL 2" BLOWOFF ASSEMBLY PER DETAIL 5, SHEET DT2.
- 10 INLET PROTECTION

CONSTRUCTION NOTES:

1. WHEN A WATER MAIN IS TO BE INSTALLED WITH LESS THAN 10 FEET OF HORIZONTAL SEPARATION FROM A SEWER MAIN, AND A MINIMUM OF 18 INCHES OF VERTICAL SEPARATION IS MAINTAINED BETWEEN THE BOTTOM OF THE WATER MAIN AND THE CROWN OF THE SEWER, THE WATER MAIN AND ALL FITTINGS SHALL BE MECHANICALLY RESTRAINED USING ROMAC ROMAGRIP OR APPROVED EQUAL AS SHOWN ON SHEET DT3. ALL OTHER PIPE JOINTS NOT RECEIVING MECHANICAL RESTRAINT SHALL BE RESTRAINED WITH RESTRAINT GASKET AS SPECIFIED BY MANUFACTURER OR STAR PIPE EXTERIOR RESTRAINT HARNESS. IF THE REQUIRED 18-INCH VERTICAL SEPARATION CANNOT BE MAINTAINED AT A WATER MAIN CROSSING OVER A SEWER, THE WATER MAIN SHALL BE INSTALLED IN A STEEL CASING. A DESIGN REVISION REQUEST SHALL BE SUBMITTED TO THE ENGINEER A MINIMUM OF ONE WEEK PRIOR TO INSTALLATION OF THE AFFECTED PIPE SEGMENT.
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3. PRESERVE AND PROTECT EXISTING ASPHALT.
4. NEW METER AND FIRE HYDRANT LOCATIONS ARE APPROXIMATE AND THE CONTRACTOR SHALL COORDINATE WITH THE TRIBES AND FIELD VERIFY THE NEW LOCATIONS.
5. ALL EXISTING METERS FOUND IN THE FIELD, THAT HAVE NOT BEEN LABELED OR IDENTIFIED IN THE BASEMAP, AND WHERE TO REPLACE WITH A NEW METER, WILL BE REMOVED PER WATER KEY NOTES 8.

TESC / RESTORATION LEGEND

- SEEDING, FERTILIZATION, AND MULCHING
- ASPHALT RESTORATION
- CONCRETE RESTORATION
- GRAVEL RESTORATION
- CAP AND ABANDON EXISTING WATER MAIN
- SAWCUT
- STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00



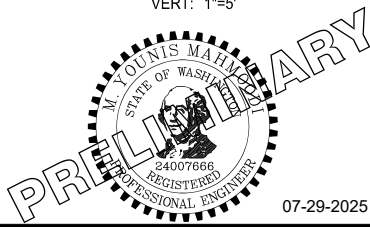
KEY MAP



100% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			Y. MAHMOUDI
			DRAWN
			Y. MAHMOUDI
			CHECKED
			J. WRIGHT
			APPROVED
			H. LONGFELLOW

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME
PS1598158-W05-07
JOB No.
216-1598-158
DATE
JULY 2025



07-29-2025

Parametrix

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Ph: 253.604.6600

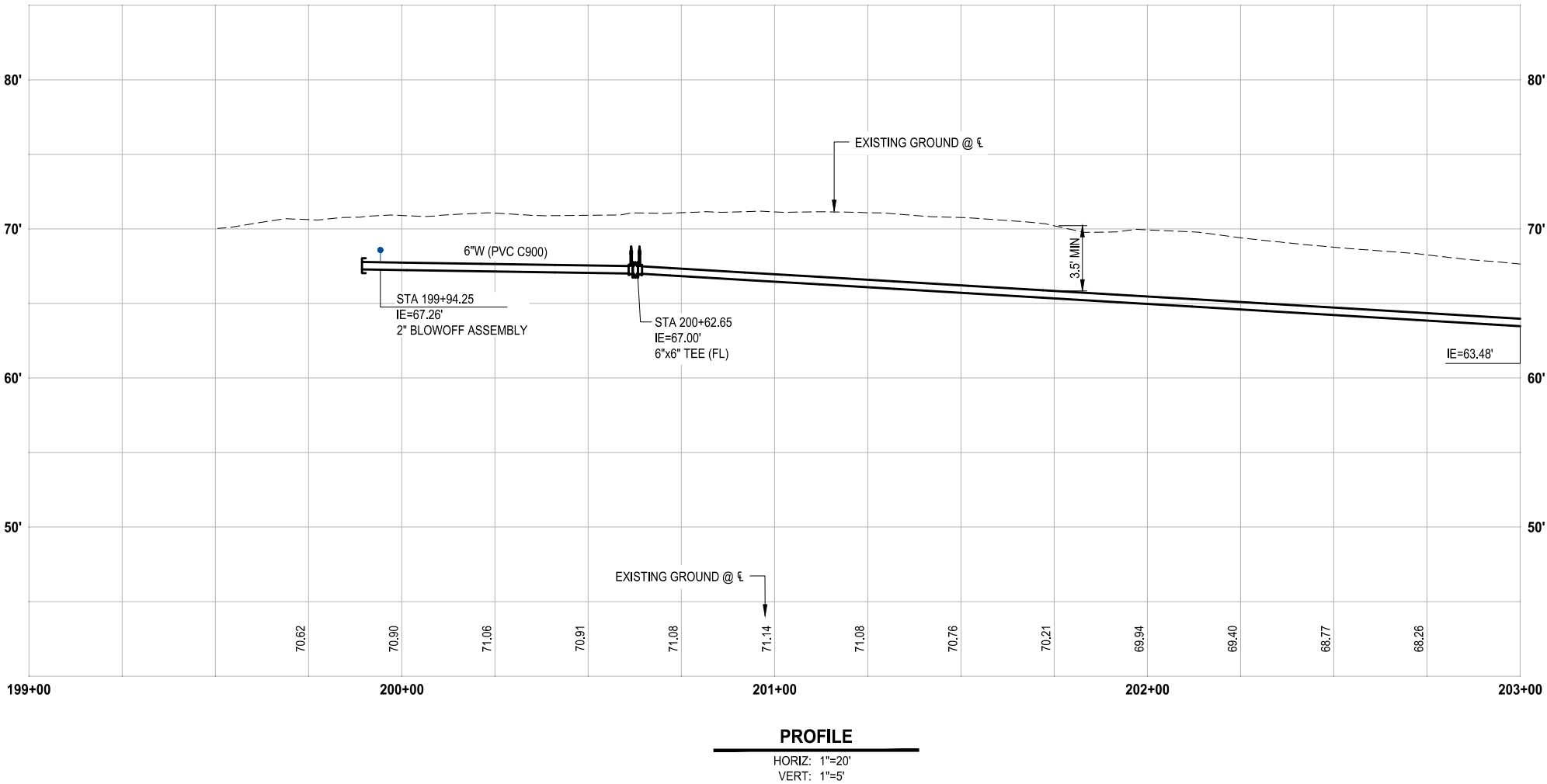
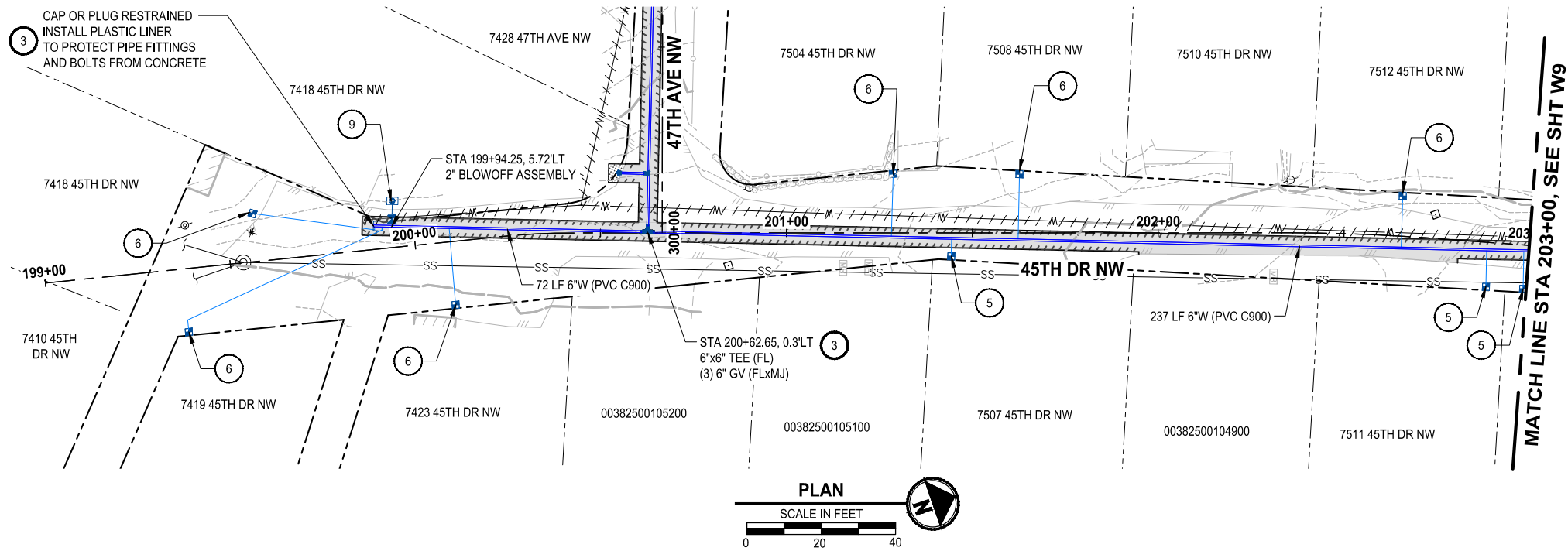
PROJECT NAME
THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

WATER PLAN & PROFILE
47TH AVE NW STA 308+00 -
STA 312+00

DRAWING NO.
25 OF 50

W7

\\parametrix.com\rm\PSO\Projects\Clients\1598-TulalipTribe\1598-TulalipTribe\216-1598-158-TulalipTribe\Water\99\SS\CA00\DWG\Water - Hermosa-Mission-88th-Waterworks
PLOTED BY: mahmoud DATE: Tuesday, July 29, 2025 8:40:42 PM
LAYOUT: W8



WATER GENERAL NOTES:

1. MAINTAIN A MINIMUM 3.5' AND MAXIMUM 5.0' COVER OVER WATER MAIN (TYP) OR AS SHOWN IN THE PROFILE.
2. THE EXISTING WATER MAIN IS SHOWN BASED ON THE TULALIP GIS, AND SHALL BE FIELD VERIFIED.

WATER KEY NOTES:

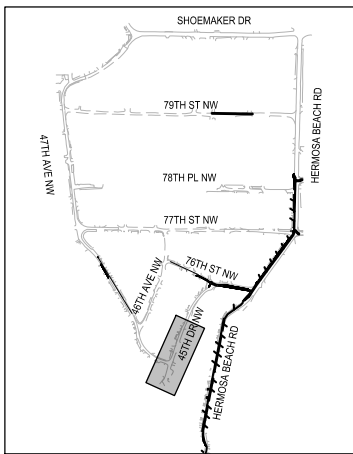
- 1 CONTRACTOR TO COORDINATE WITH SNOHOMISH COUNTY PUD IF NECESSARY FOR POLE HOLD.
- 2 INSTALL FIRE HYDRANT ASSEMBLY PER DETAIL 3, SHEET DT2.
- 3 THRUST BLOCKING PER DETAIL 8, SHEET DT3.
- 4 INSTALL 2-INCH COMBINATION AIR RELEASE / VACUUM VALVE ASSEMBLY PER DETAIL 10, SHEET DT3.
- 5 INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - SHORT SIDE.
- 6 INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - LONG SIDE.
- 7 CONTRACTOR SHALL EXPOSE EXISTING PIPE AT CONNECTION AND VERIFY DIMENSION AND FITTING NEEDS PRIOR TO ORDERING PARTS.
- 8 REMOVE EXISTING METER.
- 9 INSTALL 2" BLOWOFF ASSEMBLY PER DETAIL 5, SHEET DT2.
- 10 INLET PROTECTION

CONSTRUCTION NOTES:

1. WHEN A WATER MAIN IS TO BE INSTALLED WITH LESS THAN 10 FEET OF HORIZONTAL SEPARATION FROM A SEWER MAIN, AND A MINIMUM OF 18 INCHES OF VERTICAL SEPARATION IS MAINTAINED BETWEEN THE BOTTOM OF THE WATER MAIN AND THE CROWN OF THE SEWER, THE WATER MAIN AND ALL FITTINGS SHALL BE MECHANICALLY RESTRAINED USING ROMAC ROMAGRIP OR APPROVED EQUAL AS SHOWN ON SHEET DT3. ALL OTHER PIPE JOINTS NOT RECEIVING MECHANICAL RESTRAINT SHALL BE RESTRAINED WITH RESTRAINT GASKET AS SPECIFIED BY MANUFACTURER OR STAR PIPE EXTERIOR RESTRAINT HARNESS. IF THE REQUIRED 18-INCH VERTICAL SEPARATION CANNOT BE MAINTAINED AT A WATER MAIN CROSSING OVER A SEWER, THE WATER MAIN SHALL BE INSTALLED IN A STEEL CASING. A DESIGN REVISION REQUEST SHALL BE SUBMITTED TO THE ENGINEER A MINIMUM OF ONE WEEK PRIOR TO INSTALLATION OF THE AFFECTED PIPE SEGMENT.
2. SEE TYPICAL TRENCH SECTIONS DETAIL ON SHEET DT1 FOR PAVEMENT RESTORATION.
3. PRESERVE AND PROTECT EXISTING ASPHALT.
4. NEW METER AND FIRE HYDRANT LOCATIONS ARE APPROXIMATE AND THE CONTRACTOR SHALL COORDINATE WITH THE TRIBES AND FIELD VERIFY THE NEW LOCATIONS.
5. ALL EXISTING METERS FOUND IN THE FIELD, THAT HAVE NOT BEEN LABELED OR IDENTIFIED IN THE BASEMAP, AND WHERE TO REPLACE WITH A NEW METER, WILL BE REMOVED PER WATER KEY NOTES 8.

TESC / RESTORATION LEGEND

- SEEDING, FERTILIZATION, AND MULCHING
- ASPHALT RESTORATION
- CONCRETE RESTORATION
- GRAVEL RESTORATION
- CAP AND ABANDON EXISTING WATER MAIN
- SAWCUT
- STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN 1-40.20-00



KEY MAP



100% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			Y. MAHMOODI
			DRAWN
			Y. MAHMOODI
			CHECKED
			J. WRIGHT
			APPROVED
			H. LONGFELLOW

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY	
FILE NAME	PS1598158-W08-11
JOB No.	216-1598-158
DATE	JULY 2025



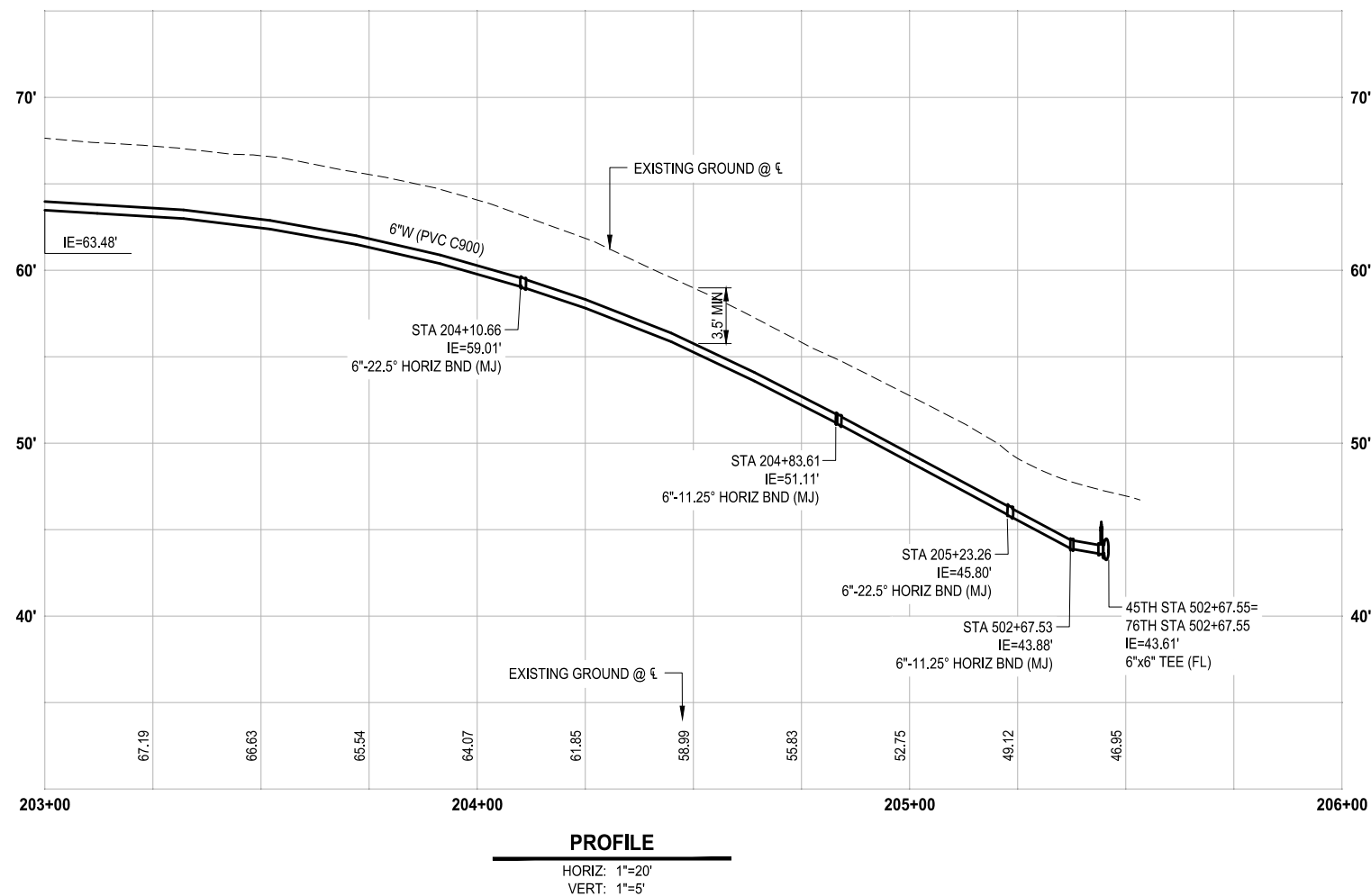
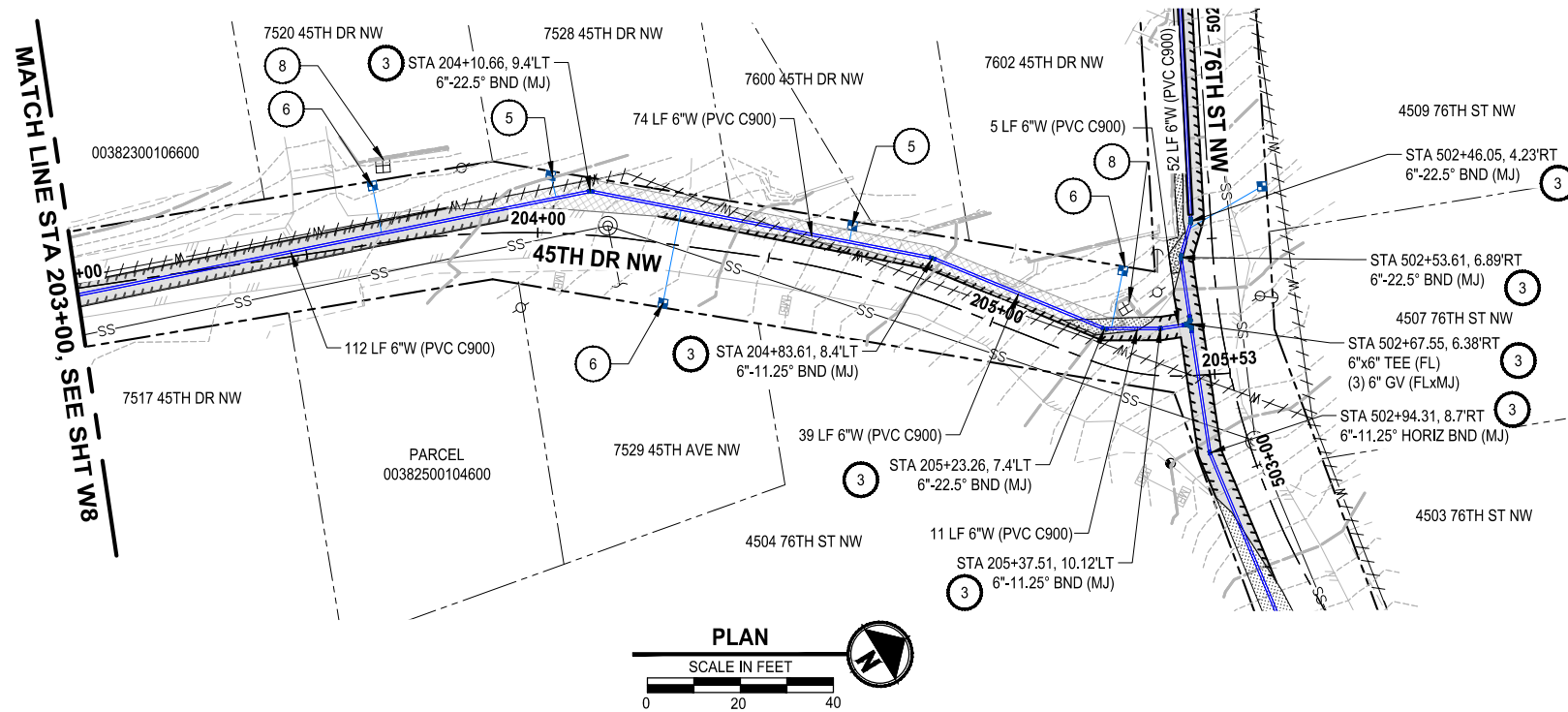
07-29-2025

Parametrix
1019 39th Avenue SE, Suite 100 • Puyallup, WA 98374
Ph: 253.604.6600

PROJECT NAME
THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

WATER PLAN & PROFILE
45TH DR NW BEGIN - STA
203+00

DRAWING NO.
26 OF 50
W8



WATER GENERAL NOTES:

1. MAINTAIN A MINIMUM 3.5' AND MAXIMUM 5.0' COVER OVER WATER MAIN (TYP) OR AS SHOWN IN THE PROFILE.
2. THE EXISTING WATER MAIN IS SHOWN BASED ON THE TULALIP GIS, AND SHALL BE FIELD VERIFIED.

WATER KEY NOTES:

- ① CONTRACTOR TO COORDINATE WITH SNOHOMISH COUNTY PUD HOLD.
- ② INSTALL FIRE HYDRANT ASSEMBLY PER DETAIL 3, SHEET DT2.

3 THRUST BLOCKING PER DETAIL 8, SHEET DT3.

4 INSTALL 2-INCH COMBINATION AIR RELEASE / VACUUM VALVE ASSEMBLY PER DETAIL 10, SHEET DT3.

5 INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - SHORT SIDE.

6 INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - LONG SIDE.

7 CONTRACTOR SHALL EXPOSE EXISTING PIPE AT CONNECTION AND VERIFY DIMENSION AND FITTING NEEDS PRIOR TO ORDERING PARTS.

8 REMOVE EXISTING METER.

9 INSTALL 2" BLOWOFF ASSEMBLY PER DETAIL 5, SHEET DT2.

10 INLET PROTECTION

CONSTRUCTION NOTES:








1. WHEN A WATER MAIN IS TO BE INSTALLED WITH LESS THAN 10 FEET OF HORIZONTAL SEPARATION FROM A SEWER MAIN, AND A MINIMUM OF 18 INCHES OF VERTICAL SEPARATION IS MAINTAINED BETWEEN THE BOTTOM OF THE WATER MAIN AND THE CROWN OF THE SEWER, THE WATER MAIN AND ALL FITTINGS SHALL BE MECHANICALLY RESTRAINED USING ROMAC ROMAGRIIP OR APPROVED EQUAL AS SHOWN ON SHEET DT3. ALL OTHER PIPE JOINTS NOT RECEIVING MECHANICAL RESTRAINT SHALL BE RESTRAINED WITH RESTRAINT GASKET AS SPECIFIED BY MANUFACTURER OR STAR PIPE EXTERIOR RESTRAINT HARNESS. IF THE REQUIRED 18-INCH VERTICAL SEPARATION CANNOT BE MAINTAINED AT A WATER MAIN CROSSING OVER A SEWER, THE WATER MAIN SHALL BE INSTALLED IN A STEEL CASING. A DESIGN REVISION REQUEST SHALL BE SUBMITTED TO THE ENGINEER A MINIMUM OF ONE WEEK PRIOR TO INSTALLATION OF THE AFFECTED PIPE SEGMENT.
2. SEE TYPICAL TRENCH SECTIONS DETAIL ON SHEET DT1 FOR PAVEMENT RESTORATION.
3. PRESERVE AND PROTECT EXISTING ASPHALT.
4. NEW METER AND FIRE HYDRANT LOCATIONS ARE APPROXIMATE AND THE CONTRACTOR SHALL COORDINATE WITH THE TRIBES AND FIELD VERIFY THE NEW LOCATIONS.
5. ALL EXISTING METERS FOUND IN THE FIELD, THAT HAVE NOT BEEN LABELED OR IDENTIFIED IN THE BASEMAP, AND WHERE TO REPLACE WITH A NEW METER, WILL BE REMOVED PER WATER KEY NOTES 8.

1. WHEN A WATER MAIN IS TO BE INSTALLED WITH LESS THAN 10 FEET OF HORIZONTAL SEPARATION FROM A SEWER MAIN, AND A MINIMUM OF 18 INCHES OF VERTICAL

SEPARATION FROM A SEWER MAIN, AND A MINIMUM OF 18 INCHES OF VERTICAL SEPARATION IS MAINTAINED BETWEEN THE BOTTOM OF THE WATER MAIN AND THE

CROWN OF THE SEWER, THE WATER MAIN AND ALL FITTINGS SHALL BE MECHANICALLY
RESTRAINED USING DOWAG DOWAGRID OR APPROVED EQUAL AS SHOWN ON SHEET PT3

TESC / RESTORATION LEGEND

	SEEDING, FERTILIZATION, AND MULCHING
	ASPHALT RESTORATION
	CONCRETE RESTORATION
	GRAVEL RESTORATION
	CAP AND ABANDON EXISTING WATER MAIN
	SAWCUT
	STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00

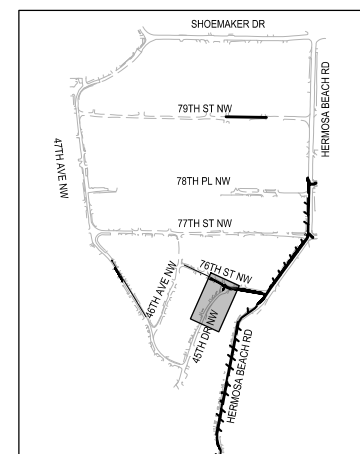
☐ ASPHALT RESTORATION

 CONCRETE RESTORATION GRAVEL RESTORATION

- / / / / / CAP AND ABANDON EXISTING WATER MAIN

////// SAWCUT

□ STORM DRAIN INLET PROTECTION PER
WSDOT STD PLAN I-40.20-00



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

100% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

▽	REVISIONS	DATE	BY	DESIGNED Y. MAHMOODI
				DRAWN Y. MAHMOODI
				CHECKED J. WRIGHT
				APPROVED H. LONGFELLOW

ONE INCH AT FULL SCALE IF NOT, SCALE ACCORDINGLY	
FILE NAME	PS1598158-W08-11
JOB No.	216-1598-158
DATE	JULY 2025



07-29-2025

ParametriX

1019 39th Avenue SE, Suite 100 • Puyallup, WA 98374
Ph: 253.604.6600

PROJECT NAME

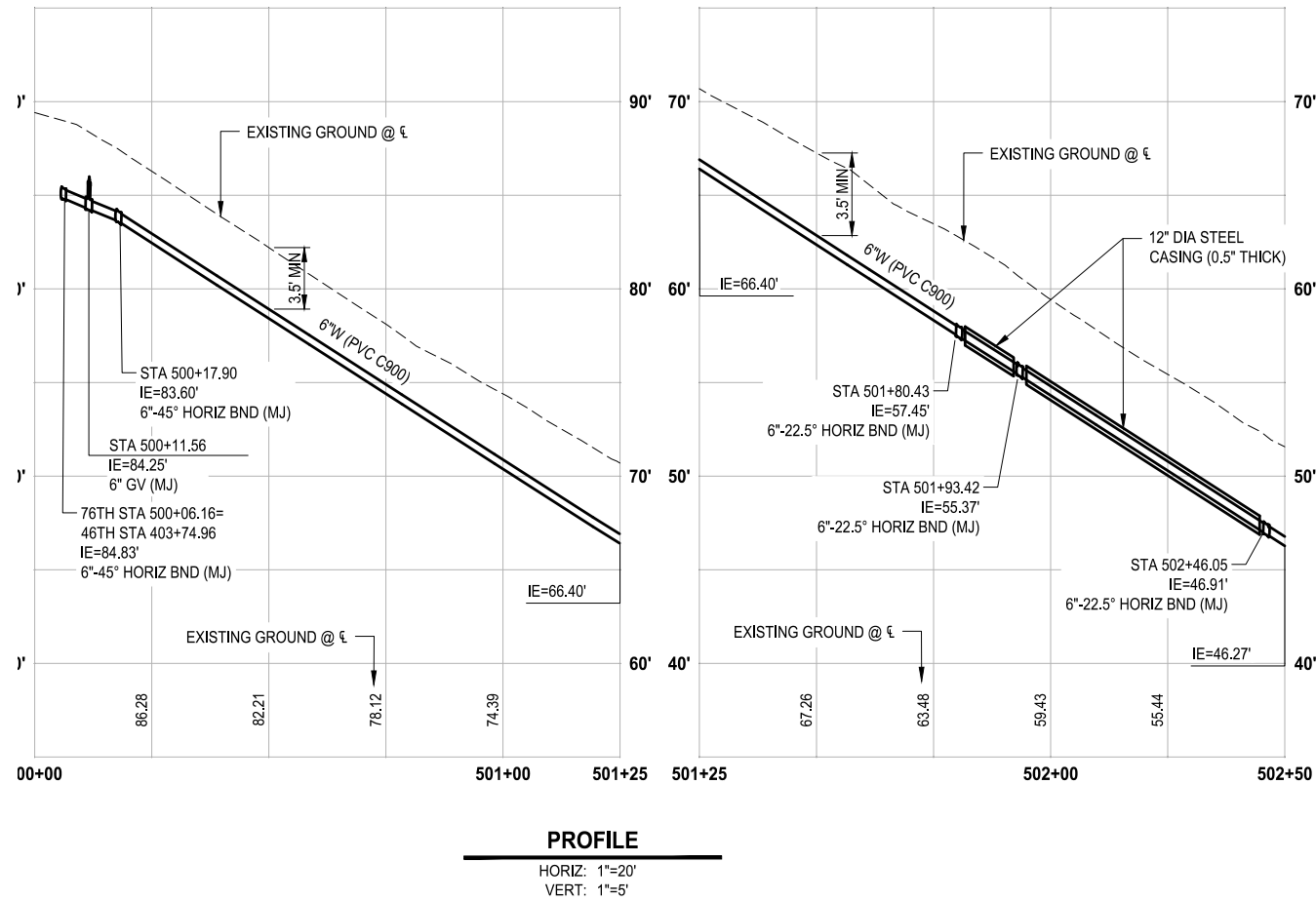
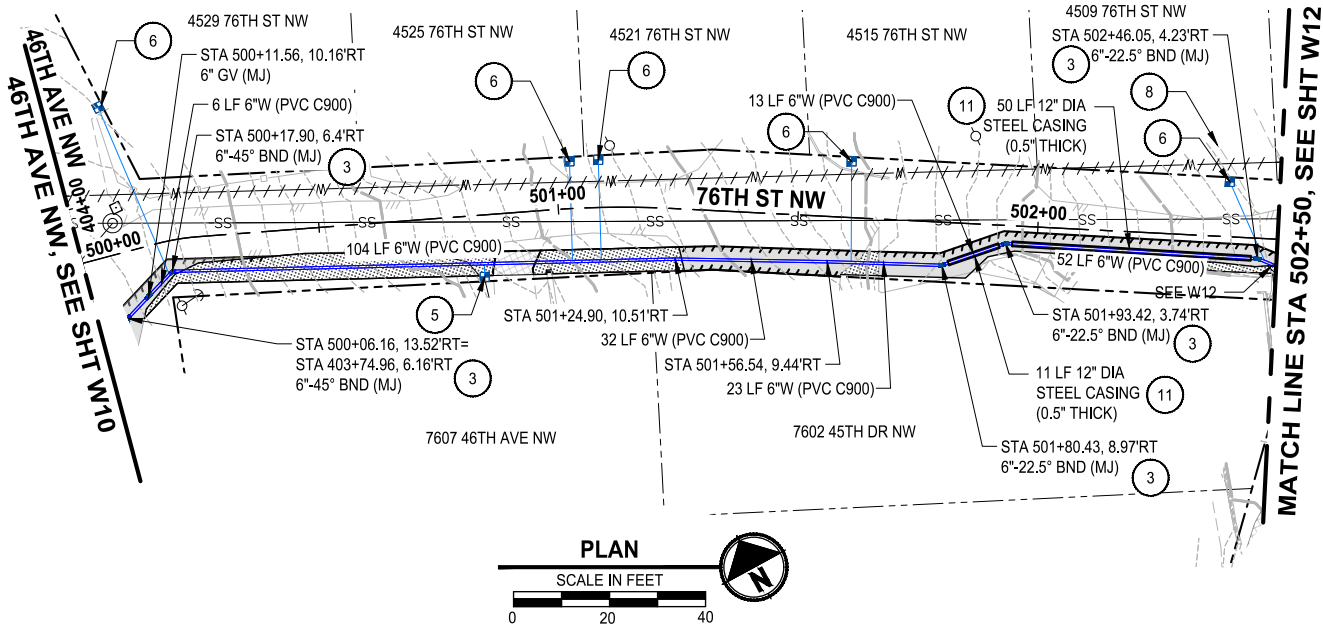
THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

WATER PLAN & PROFILE
45TH DR NW STA 203+00 -
END

DRAWING NO.
27 OF 50

W9

PATH: U:\P50\Projects\Clients\1598-Tulip Tribes\1598-158 Tulip Bay Water System\99Sves\CAOD\DWG\Water - Hermosa-Mission-88th-Waterworks
LAYOUT: W11
DATE: Tuesday, July 29, 2025 9:15:43 PM
PLOTTED BY: mehmoody



- 11 CASING END SEALS SHALL BE RUBBER, STANDARD PULL-ON MODEL S, MANUFACTURED BY PIPELINE SEAL AND INSULATOR CO., OR APPROVED EQUAL. CASING SPACERS SHALL BE STAINLESS STEEL, MODEL CCS RESTRAINED, AS MANUFACTURED BY CASCADE WATERWORKS OR APPROVED EQUAL. MAXIMUM SPACING BETWEEN SPACERS SHALL NOT EXCEED 6 FEET ON CENTER.

WATER GENERAL NOTES:

1. MAINTAIN A MINIMUM 3.5' AND MAXIMUM 5.0' COVER OVER WATER MAIN (TYP) OR AS SHOWN IN THE PROFILE.
2. THE EXISTING WATER MAIN IS SHOWN BASED ON THE TULALIP GIS, AND SHALL BE FIELD VERIFIED.

WATER KEY NOTES:

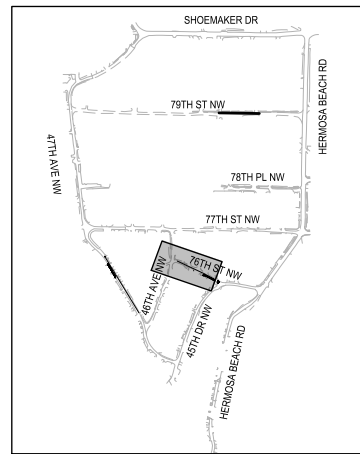
- 1 CONTRACTOR TO COORDINATE WITH SNOHOMISH COUNTY PUD IF NECESSARY FOR POLE HOLD.
- 2 INSTALL FIRE HYDRANT ASSEMBLY PER DETAIL 3, SHEET DT2.
- 3 THRUST BLOCKING PER DETAIL 8, SHEET DT3.
- 4 INSTALL 2-INCH COMBINATION AIR RELEASE / VACUUM VALVE ASSEMBLY PER DETAIL 10, SHEET DT3.
- 5 INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - SHORT SIDE.
- 6 INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - LONG SIDE.
- 7 CONTRACTOR SHALL EXPOSE EXISTING PIPE AT CONNECTION AND VERIFY DIMENSION AND FITTING NEEDS PRIOR TO ORDERING PARTS.
- 8 REMOVE EXISTING METER.
- 9 INSTALL 2" BLOWOFF ASSEMBLY PER DETAIL 5, SHEET DT2.
- 10 INLET PROTECTION

CONSTRUCTION NOTES:

1. WHEN A WATER MAIN IS TO BE INSTALLED WITH LESS THAN 10 FEET OF HORIZONTAL SEPARATION FROM A SEWER MAIN, AND A MINIMUM OF 18 INCHES OF VERTICAL SEPARATION IS MAINTAINED BETWEEN THE BOTTOM OF THE WATER MAIN AND THE CROWN OF THE SEWER, THE WATER MAIN AND ALL FITTINGS SHALL BE MECHANICALLY RESTRAINED USING ROMAC ROMAGRIP OR APPROVED EQUAL AS SHOWN ON SHEET DT3. ALL OTHER PIPE JOINTS NOT RECEIVING MECHANICAL RESTRAINT SHALL BE RESTRAINED WITH RESTRAINT GASKET AS SPECIFIED BY MANUFACTURER OR STAR PIPE EXTERIOR RESTRAINT HARNESS. IF THE REQUIRED 18-INCH VERTICAL SEPARATION CANNOT BE MAINTAINED AT A WATER MAIN CROSSING OVER A SEWER, THE WATER MAIN SHALL BE INSTALLED IN A STEEL CASING. A DESIGN REVISION REQUEST SHALL BE SUBMITTED TO THE ENGINEER A MINIMUM OF ONE WEEK PRIOR TO INSTALLATION OF THE AFFECTED PIPE SEGMENT.
2. SEE TYPICAL TRENCH SECTIONS DETAIL ON SHEET DT1 FOR PAVEMENT RESTORATION.
3. PRESERVE AND PROTECT EXISTING ASPHALT.
4. NEW METER AND FIRE HYDRANT LOCATIONS ARE APPROXIMATE AND THE CONTRACTOR SHALL COORDINATE WITH THE TRIBES AND FIELD VERIFY THE NEW LOCATIONS.
5. ALL EXISTING METERS FOUND IN THE FIELD, THAT HAVE NOT BEEN LABELED OR IDENTIFIED IN THE BASEMAP, AND WHERE TO REPLACE WITH A NEW METER, WILL BE REMOVED PER WATER KEY NOTES 8.

TESC / RESTORATION LEGEND

- SEEDING, FERTILIZATION, AND MULCHING
- ASPHALT RESTORATION
- CONCRETE RESTORATION
- GRAVEL RESTORATION
- CAP AND ABANDON EXISTING WATER MAIN
- SAWCUT
- STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00



100% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			Y. MAHMOODI
			DRAWN
			Y. MAHMOODI
			CHECKED
			J. WRIGHT
			APPROVED
			H. LONGFELLOW

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME PS1598158-W08-11
JOB No. 216-1598-158
DATE JULY 2025

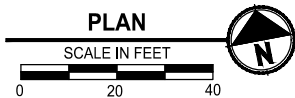


Parametrix
1019 39th Avenue SE, Suite 100 • Puyallup, WA 98374
Ph: 253.604.6600

PROJECT NAME
**THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS**
TULALIP WASHINGTON

**WATER PLAN & PROFILE
76TH ST NW BEGIN - STA
502+50**

DRAWING NO.
29 OF 50
W11



ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

FILE NAME
PS1598158-W12

JOB No.
216-1598-158

DATE
JULY 2025



1019 39th Avenue SE, Suite 100 • Puyallup, WA 98374
Ph: 253.604.6600

PROJECT NAME

W12

1 MAINTAIN A MINIMUM 3.5' AND







2. THE EXISTING WATER MAIN IS SHOWN BASED ON THE TULALIP GIS, AND SHALL BE FIELD VERIFIED.

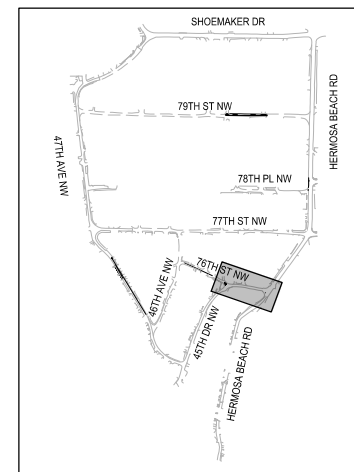
2. INSTALL FIRE HYDRANT ASSEMBLY PER DETAIL 3, SHEET DT2.
3. THRUST BLOCKING PER DETAIL 8, SHEET DT3.
4. INSTALL 2-INCH COMBINATION AIR RELEASE / VACUUM VALVE ASSEMBLY PER DETAIL 10, SHEET DT3.
5. INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 – SHORT SIDE.
6. INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 – LONG SIDE.
7. CONTRACTOR SHALL EXPOSE EXISTING PIPE AT CONNECTION AND VERIFY DIMENSION AND FITTING NEEDS PRIOR TO ORDERING PARTS.
8. REMOVE EXISTING METER.
9. INSTALL 2" BLOWOFF ASSEMBLY PER DETAIL 5, SHEET DT2.
10. INLET PROTECTION

[illegible]

- SEPARATION IS MAINTAINED BETWEEN THE BOTTOM OF THE WATER MAIN AND THE CROWN OF THE SEWER, THE WATER MAIN AND ALL FITTINGS SHALL BE MECHANICALLY RESTRAINED USING ROMAC ROMAGRIP OR APPROVED EQUAL AS SHOWN ON SHEET DT3. ALL OTHER PIPE JOINTS NOT RECEIVING MECHANICAL RESTRAINT SHALL BE RESTRAINED WITH RESTRAINT GASKET AS SPECIFIED BY MANUFACTURER OR STAR PIPE EXTERIOR RESTRAINT HARNESS. IF THE REQUIRED 18-INCH VERTICAL SEPARATION CANNOT BE MAINTAINED AT A WATER MAIN CROSSING OVER A SEWER, THE WATER MAIN SHALL BE INSTALLED IN A STEEL CASING. A DESIGN REVISION REQUEST SHALL BE SUBMITTED TO THE ENGINEER A MINIMUM OF ONE WEEK PRIOR TO INSTALLATION OF THE AFFECTED PIPE SEGMENT.
2. SEE TYPICAL TRENCH SECTIONS DETAIL ON SHEET DT1 FOR PAVEMENT RESTORATION.
 3. PRESERVE AND PROTECT EXISTING ASPHALT.
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 5. ALL EXISTING METERS FOUND IN THE FIELD, THAT HAVE NOT BEEN LABELED OR IDENTIFIED IN THE BASEMAP, AND WHERE TO REPLACE WITH A NEW METER, WILL BE REMOVED PER WATER KEY NOTES 8.

SEEDING, FERTILIZATION, AND

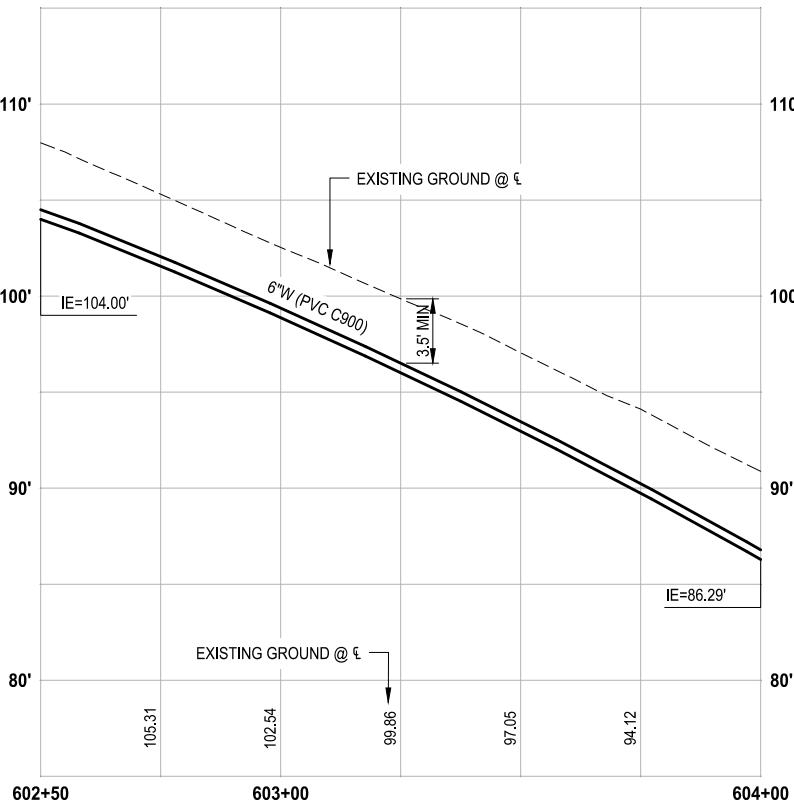
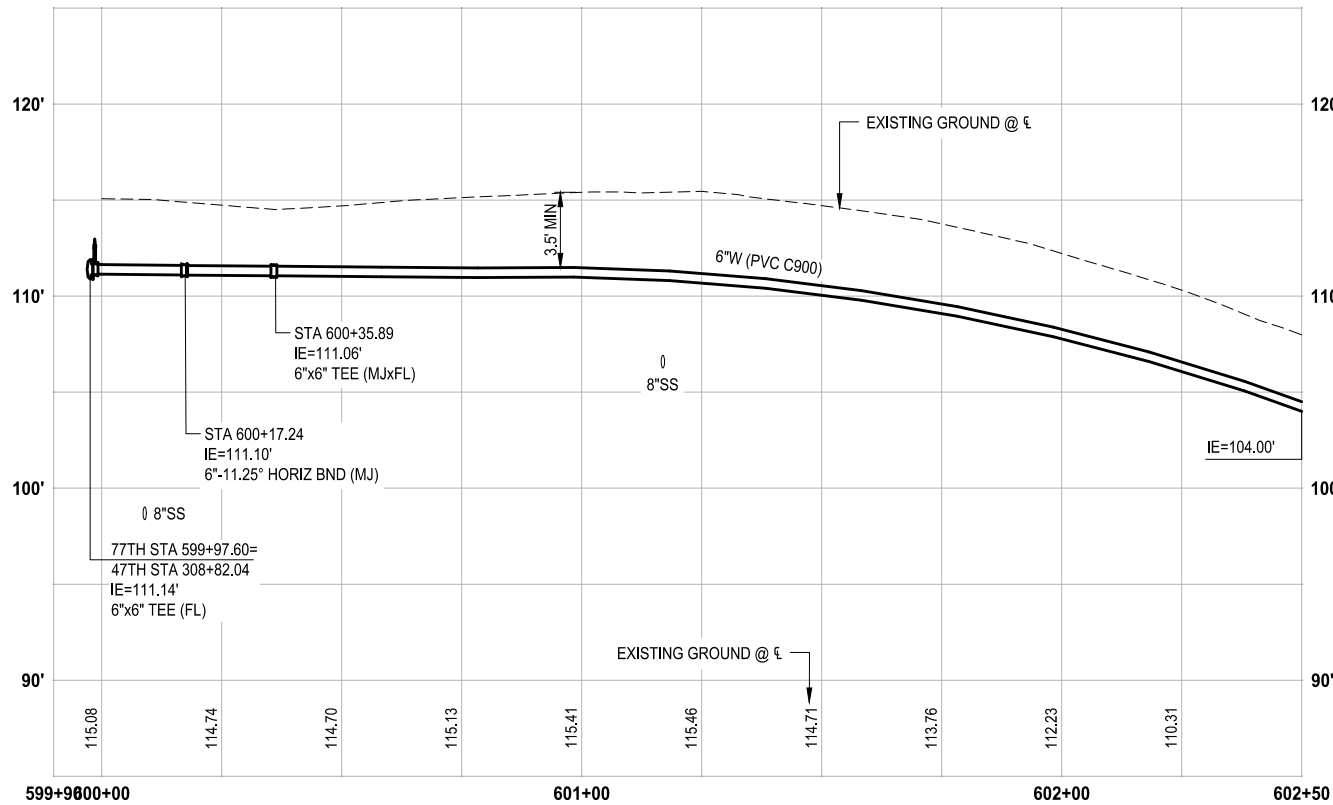
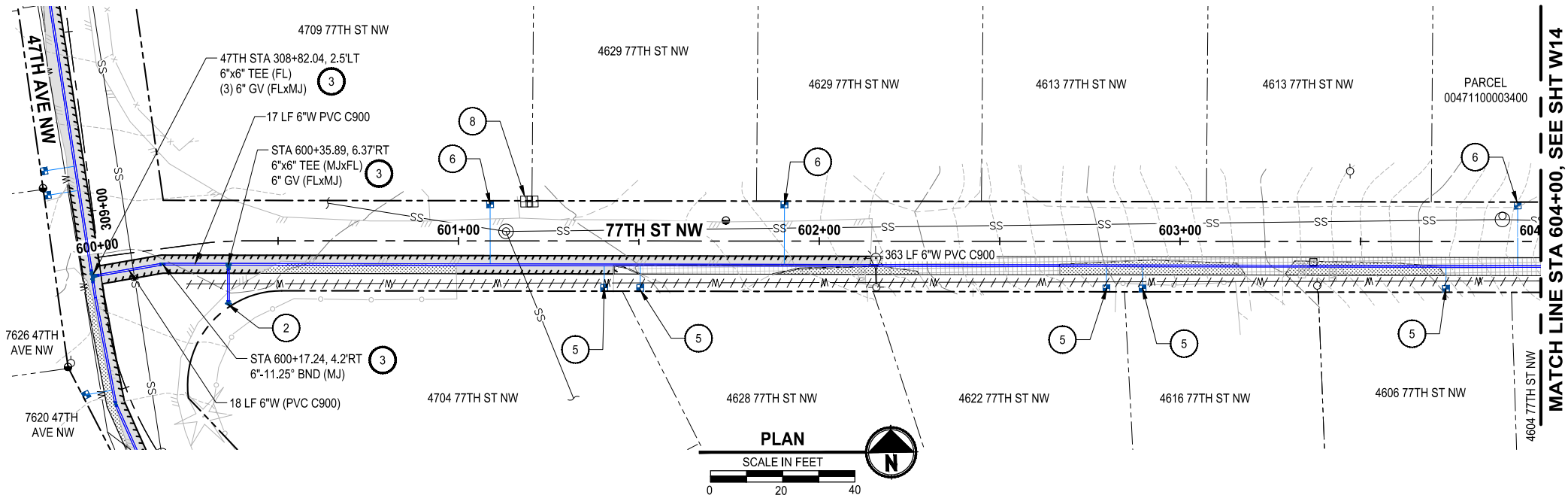
 ASPHALT RESTORATION
 CONCRETE RESTORATION
 GRAVEL RESTORATION
 CAP AND ABANDON EXISTING WATER MAIN
 SAWCUT
 STORM DRAIN INLET PROTECTION PER
 WSDOT STD PLAN I-40.20-00



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

NOT FOR CONSTRUCTION

LAYOUT: W13
PATH: \\parametrix.com\pmx\PSO\Projects\Clients\1598-TulalipTribes\216-1598-156-TulalipWaterSystem\995vcs\CADD\DWG\Water - Hermosa-Mission-88h-Waterworks
PLOTTED BY: mahmoyou DATE: Tuesday, July 29, 2025 8:44:30 PM



PROFILE

HORIZ: 1"=20'
VERT: 1"=5'

WATER GENERAL NOTES:

1. MAINTAIN A MINIMUM 3.5' AND MAXIMUM 5.0' COVER OVER WATER MAIN (TYP) OR AS SHOWN IN THE PROFILE.
2. THE EXISTING WATER MAIN IS SHOWN BASED ON THE TULALIP GIS, AND SHALL BE FIELD VERIFIED.

WATER KEY NOTES:

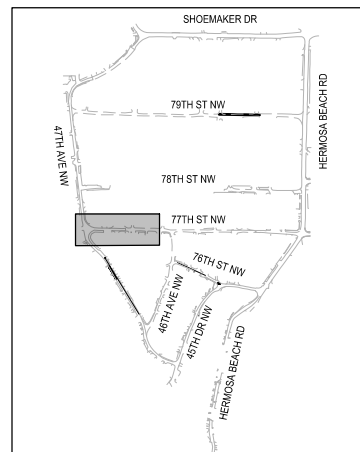
1. CONTRACTOR TO COORDINATE WITH SNOHOMISH COUNTY PUD IF NECESSARY FOR POLE HOLD.
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3. THRUST BLOCKING PER DETAIL 8, SHEET DT3.
4. INSTALL 2-INCH COMBINATION AIR RELEASE / VACUUM VALVE ASSEMBLY PER DETAIL 10, SHEET DT3.
5. INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - SHORT SIDE.
6. INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - LONG SIDE.
7. CONTRACTOR SHALL EXPOSE EXISTING PIPE AT CONNECTION AND VERIFY DIMENSION AND FITTING NEEDS PRIOR TO ORDERING PARTS.
8. REMOVE EXISTING METER.
9. INSTALL 2" BLOWOFF ASSEMBLY PER DETAIL 5, SHEET DT2.
10. INLET PROTECTION

CONSTRUCTION NOTES:

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TESC / RESTORATION LEGEND

- SEEDING, FERTILIZATION, AND MULCHING
- ASPHALT RESTORATION
- CONCRETE RESTORATION
- GRAVEL RESTORATION
- CAP AND ABANDON EXISTING WATER MAIN
- SAWCUT
- STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00



KEY MAP



100% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			Y. MAHMOODI
			DRAWN
			Y. MAHMOODI
			CHECKED
			J. WRIGHT
			APPROVED
			H. LONGFELLOW

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME
PS1598158-W13-21
JOB No.
216-1598-158
DATE
JULY 2025



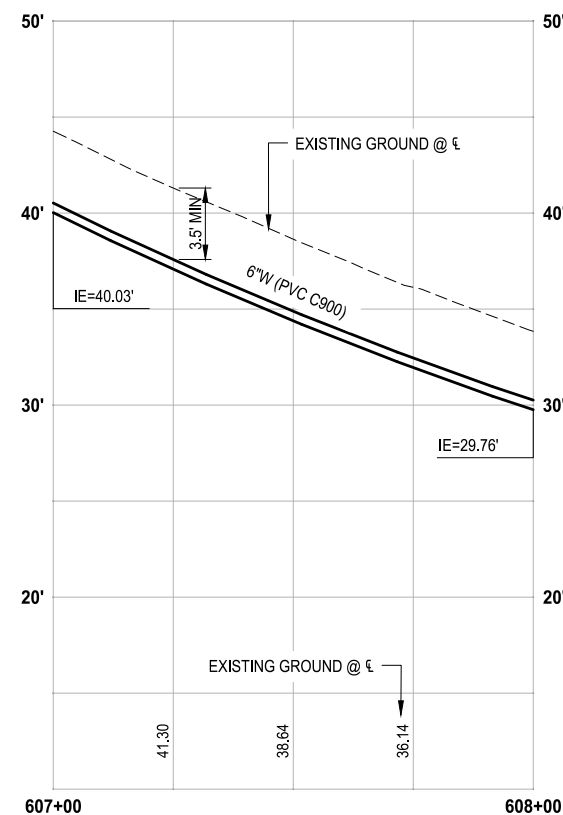
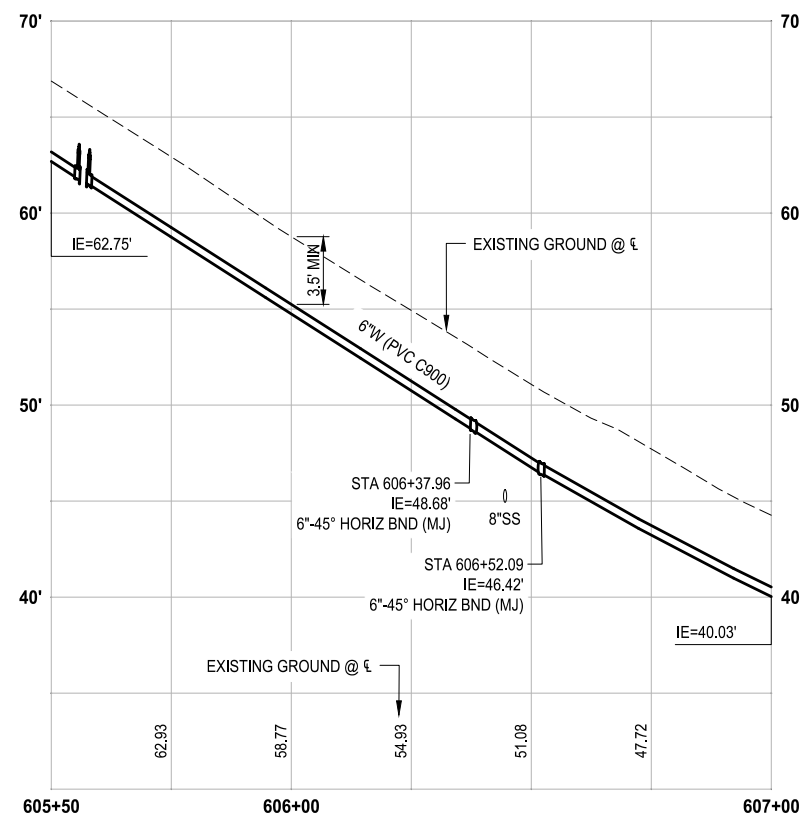
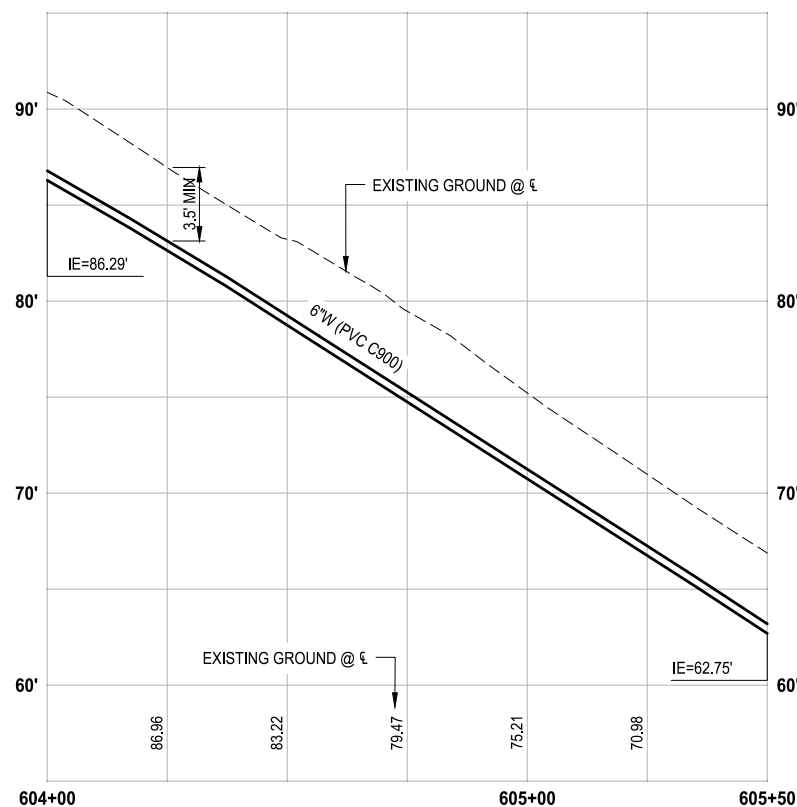
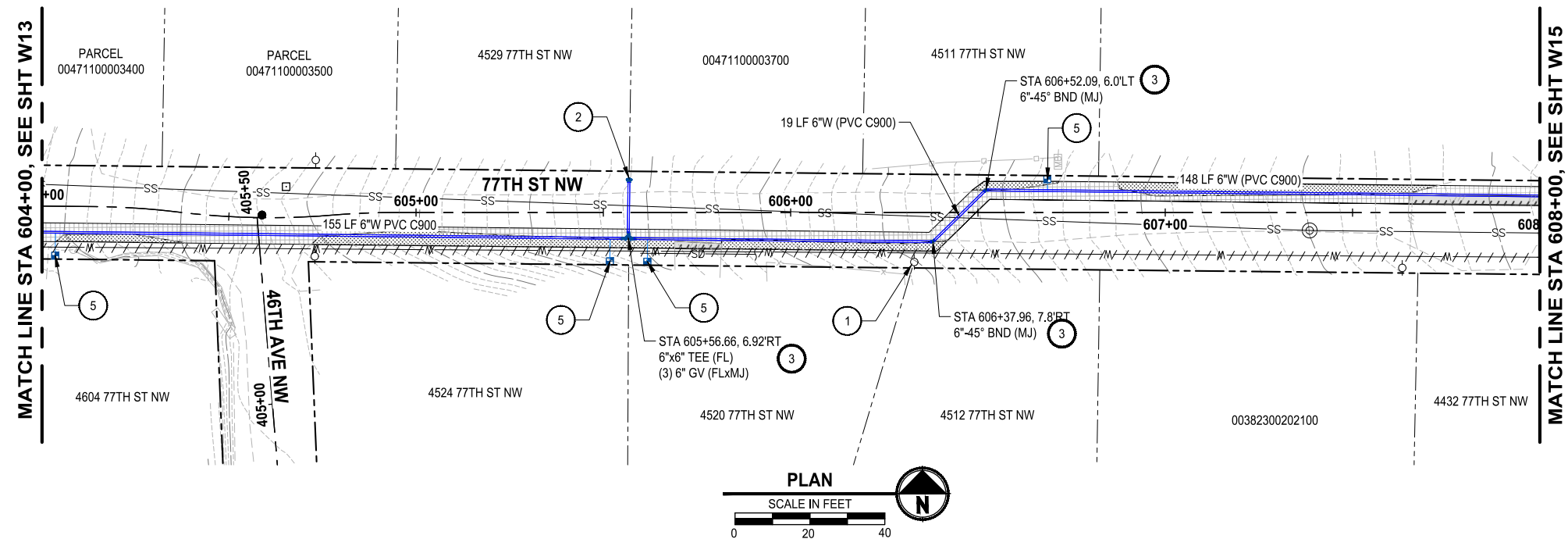
07-29-2025

Parametrix
1019 39th Avenue SE, Suite 100 • Puyallup, WA 98374
Ph: 253.604.6600

PROJECT NAME
**THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS**
TULALIP WASHINGTON

**WATER PLAN & PROFILE
77TH ST NW BEGIN - STA
604+00**

DRAWING NO.
31 OF 50
W13



WATER GENERAL NOTES:

1. MAINTAIN A MINIMUM 3.5' AND MAXIMUM 5.0' COVER OVER WATER MAIN (TYP) OR AS SHOWN IN THE PROFILE.
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






WATER KEY NOTES:

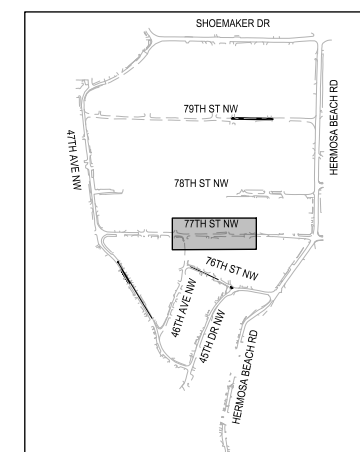
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TESC / RESTORATION LEGEND

	SEEDING, FERTILIZATION, AND MULCHING
	ASPHALT RESTORATION
	CONCRETE RESTORATION
	GRAVEL RESTORATION
	CAP AND ABANDON EXISTING WATER MAIN
	SAWCUT
	STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00



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

100% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

▽	REVISIONS	DATE	BY	DESIGNED Y. MAHMOODI
				DRAWN Y. MAHMOODI
				CHECKED J. WRIGHT
				APPROVED H. LONGFELLOW

ONE INCH AT FULL SCALE
IF NOT, SCALE ACCORDINGLY

FILE NAME
PS1598158-W13-21
JOB No.
216-1598-158
DATE
JULY 2025



07-29-2025

ParametriX
1019 39th Avenue SE, Suite 100 • Puyallup, WA
Ph: 253.604.6600

1019 39th Avenue SE, Suite 100 • Puyallup, WA 98374
Ph: 253.604.6600

PROJECT NAME

THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

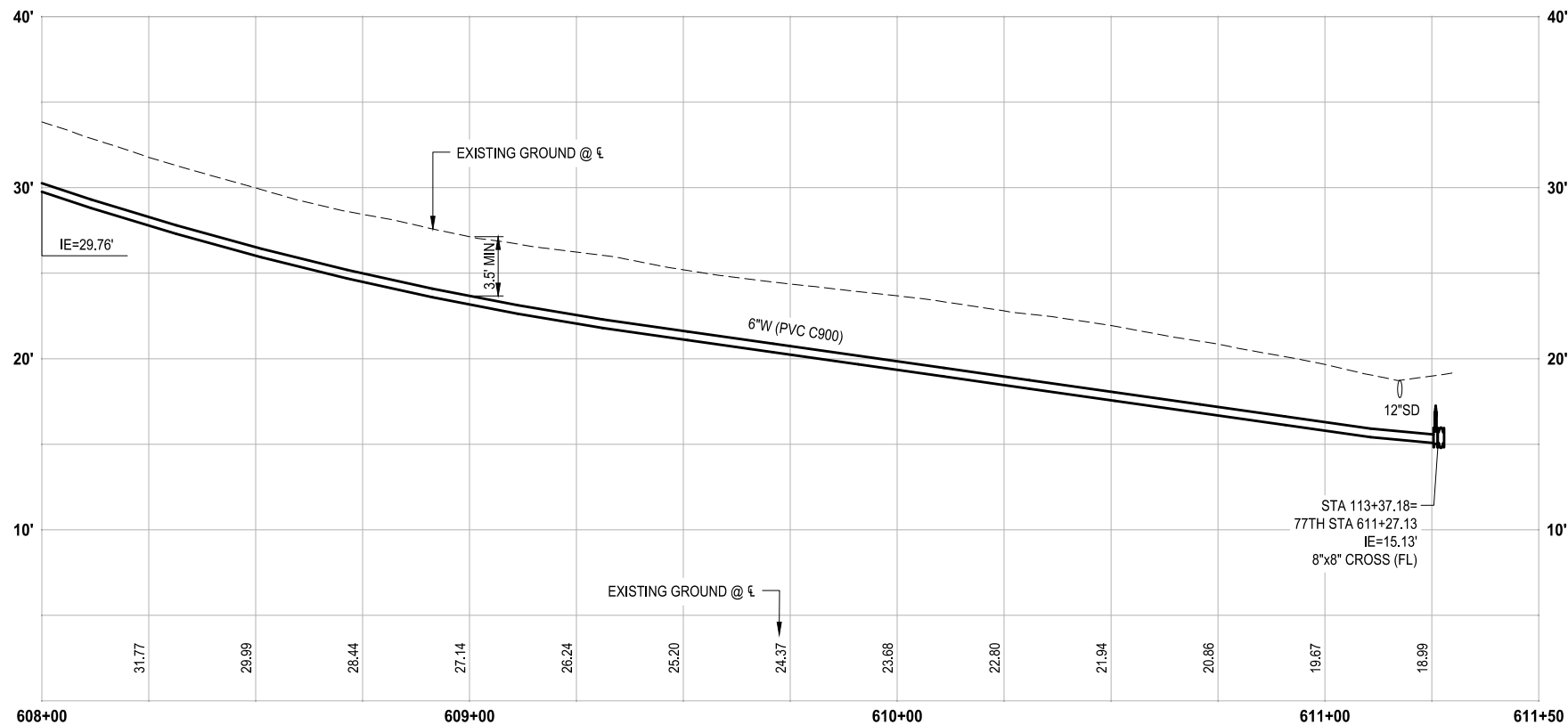
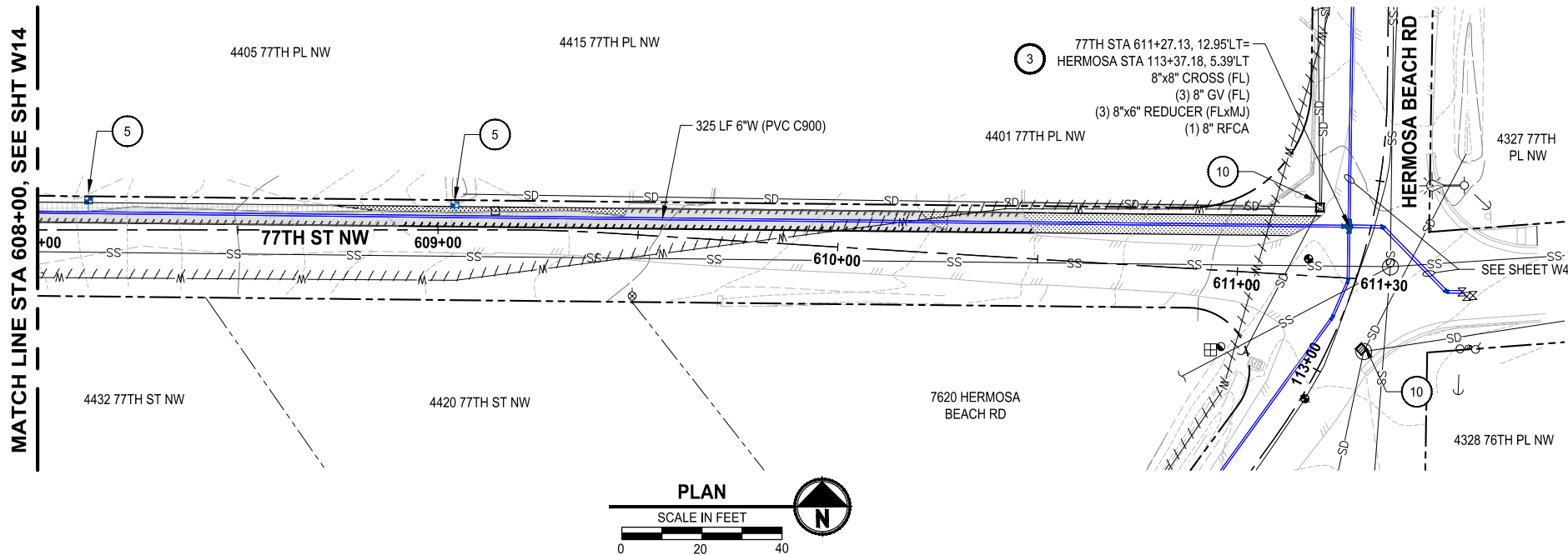
WATER PLAN & PROFILE
77TH ST NW STA 604+00 -
608+00

DRAWING NO.
32 OF 50

W14

PATH: \\parametrix.com\pmx\PSD\Projects\Clients\1598-TulalipTribes\1598-156-TulalipBayWaterSystem\995vcs\CADD\DWG\Water - Hermosa-Mission-88h-Waterworks
LAYOUT: W15
PLOTTED BY: mahmoyou DATE: Tuesday, July 29, 2025 8:44:39 PM

MATCH LINE STA 608+00, SEE SHT W14



PROFILE

HORIZ: 1"=20'
VERT: 1"=5'

WATER GENERAL NOTES:

1. MAINTAIN A MINIMUM 3.5' AND MAXIMUM 5.0' COVER OVER WATER MAIN (TYP) OR AS SHOWN IN THE PROFILE.
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WATER KEY NOTES:

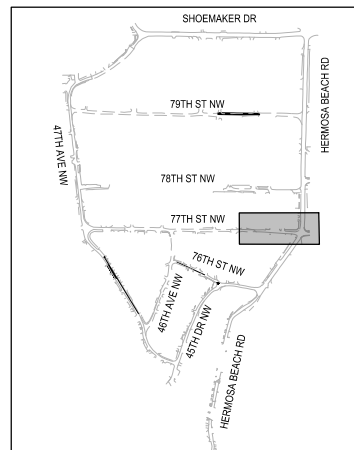
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TESC / RESTORATION LEGEND

- SEEDING, FERTILIZATION, AND MULCHING
- ASPHALT RESTORATION
- CONCRETE RESTORATION
- GRAVEL RESTORATION
- CAP AND ABANDON EXISTING WATER MAIN
- SAWCUT
- STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN 1-40.20-00



KEY MAP



100% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			Y. MAHMOODI
			DRAWN
			Y. MAHMOODI
			CHECKED
			J. WRIGHT
			APPROVED
			H. LONGFELLOW

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME
PS1598158-W13-21
JOB No.
216-1598-158
DATE
JULY 2025



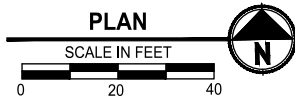
07-29-2025

Parametrix
1019 39th Avenue SE, Suite 100 • Puyallup, WA 98374
Ph: 253.604.6600

PROJECT NAME
THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

WATER PLAN & PROFILE
77TH ST NW STA 608+00 -
END

DRAWING NO.
33 OF 50
W15



N16

ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

FILE NAME
PS1598158-W13-21

JOB No.
216-1598-158

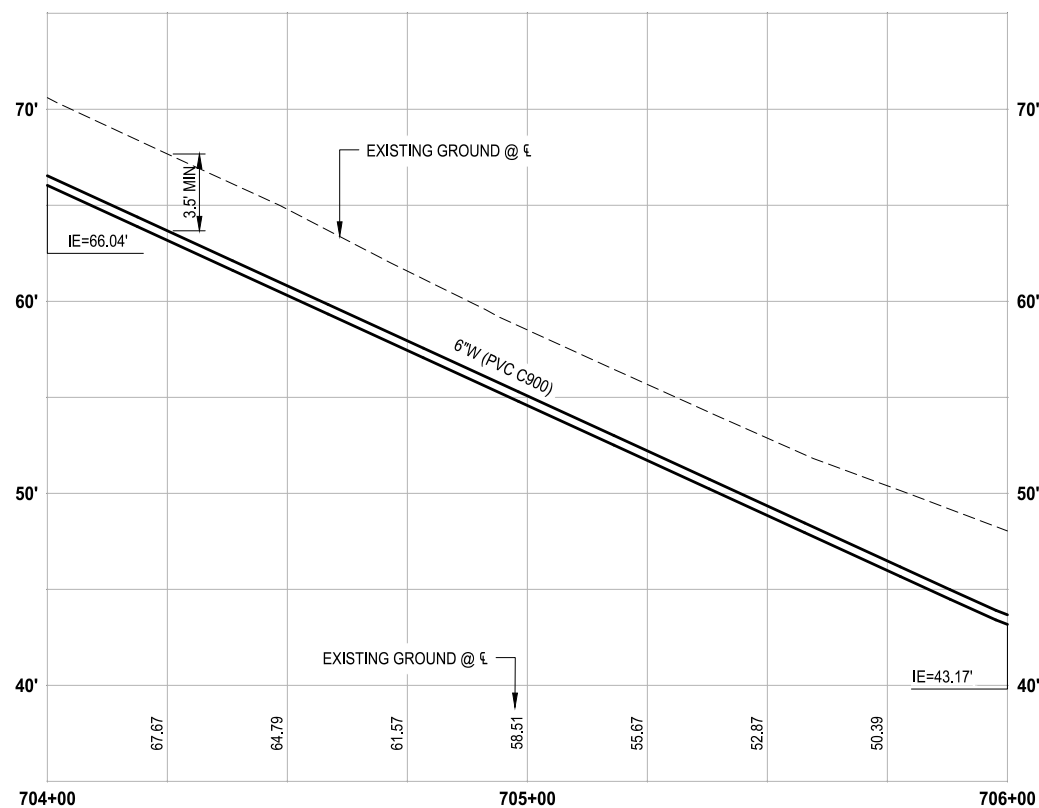
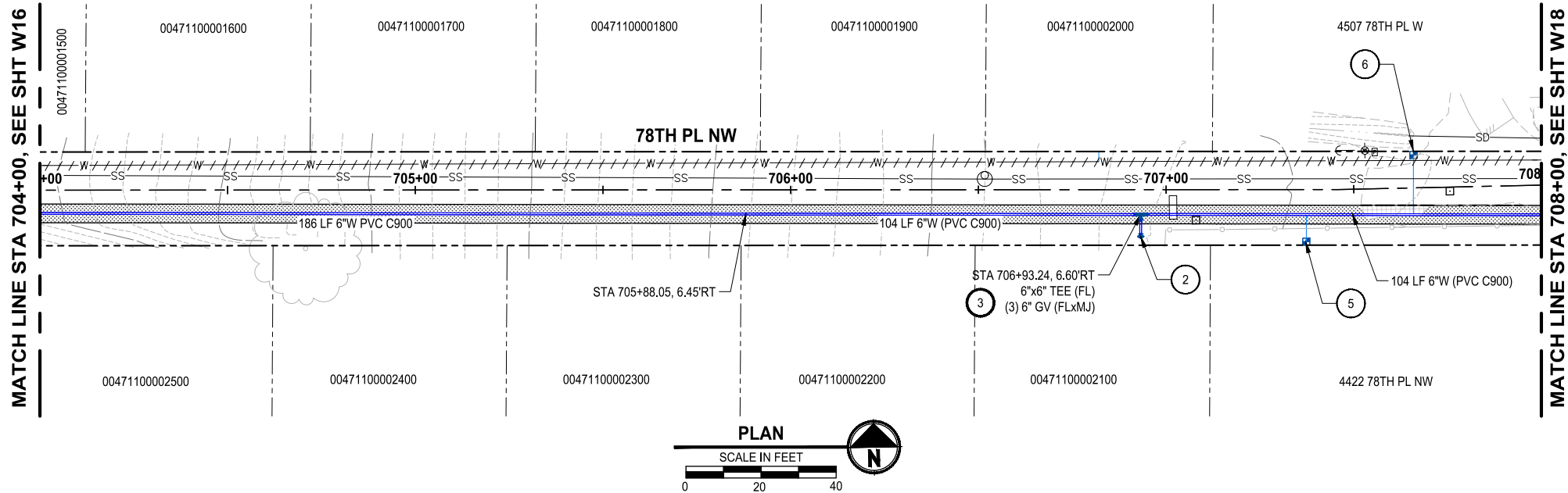
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Ph: 253.604.6600

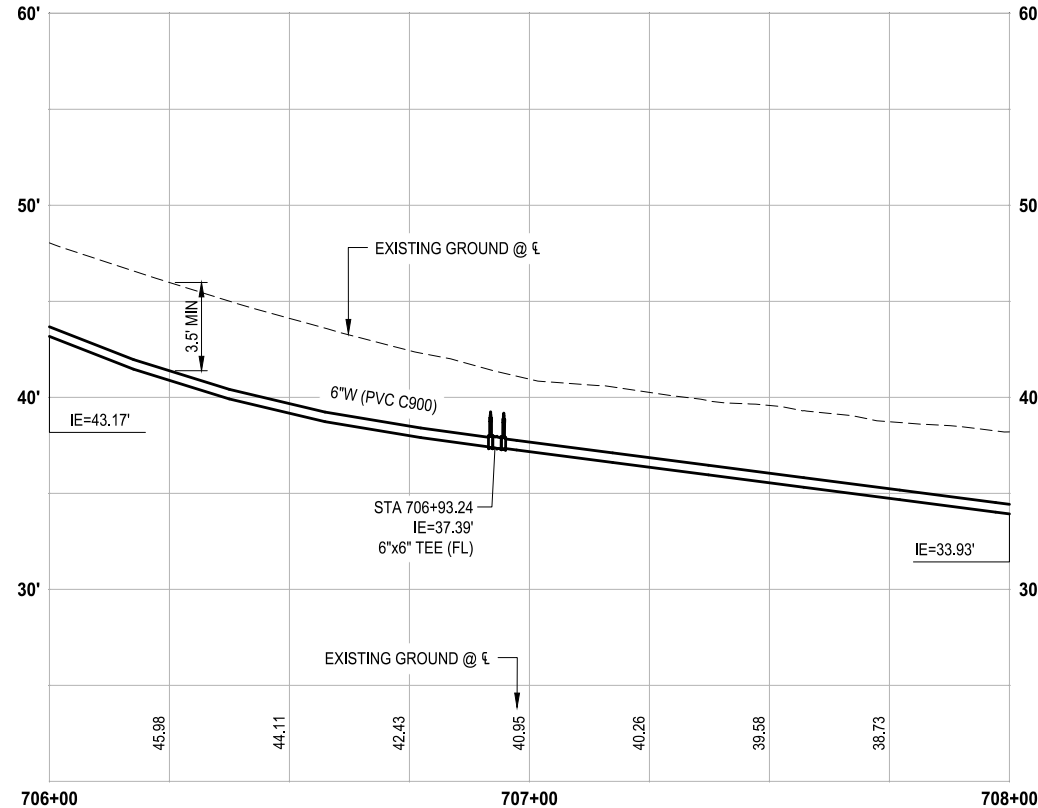
THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

PATH: U:\PSO\Projects\Clients\1598-TulipTribes\1598-1598-158 TulipTribes\WaterSystem\98Sves\CAADD\DWG\Water - Hermosa-Mission-88th-Waterworks
LAYOUT: W17
PLOTTED BY: mahmoudy DATE: Tuesday, July 29, 2025 10:04:26 PM



PROFILE

HORIZ: 1"=20'
VERT: 1"=5'



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1. MAINTAIN A MINIMUM 3.5' AND MAXIMUM 5.0' COVER OVER WATER MAIN (TYP) OR AS SHOWN IN THE PROFILE.
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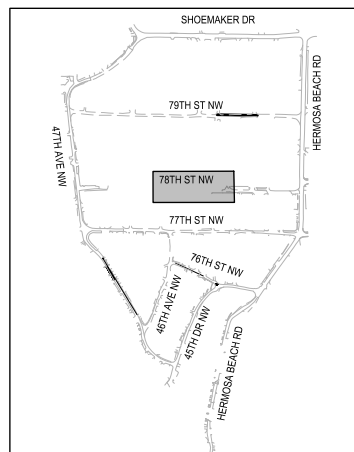
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TESC / RESTORATION LEGEND

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- SAWCUT
- STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN 1-40.20-00



KEY MAP



100% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			Y. MAHMOODI
			DRAWN
			Y. MAHMOODI
			CHECKED
			J. WRIGHT
			APPROVED
			H. LONGFELLOW

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DATE
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07-29-2025

Parametrix

1019 39th Avenue SE, Suite 100 • Puyallup, WA 98374
Ph: 253.604.6600

PROJECT NAME

THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

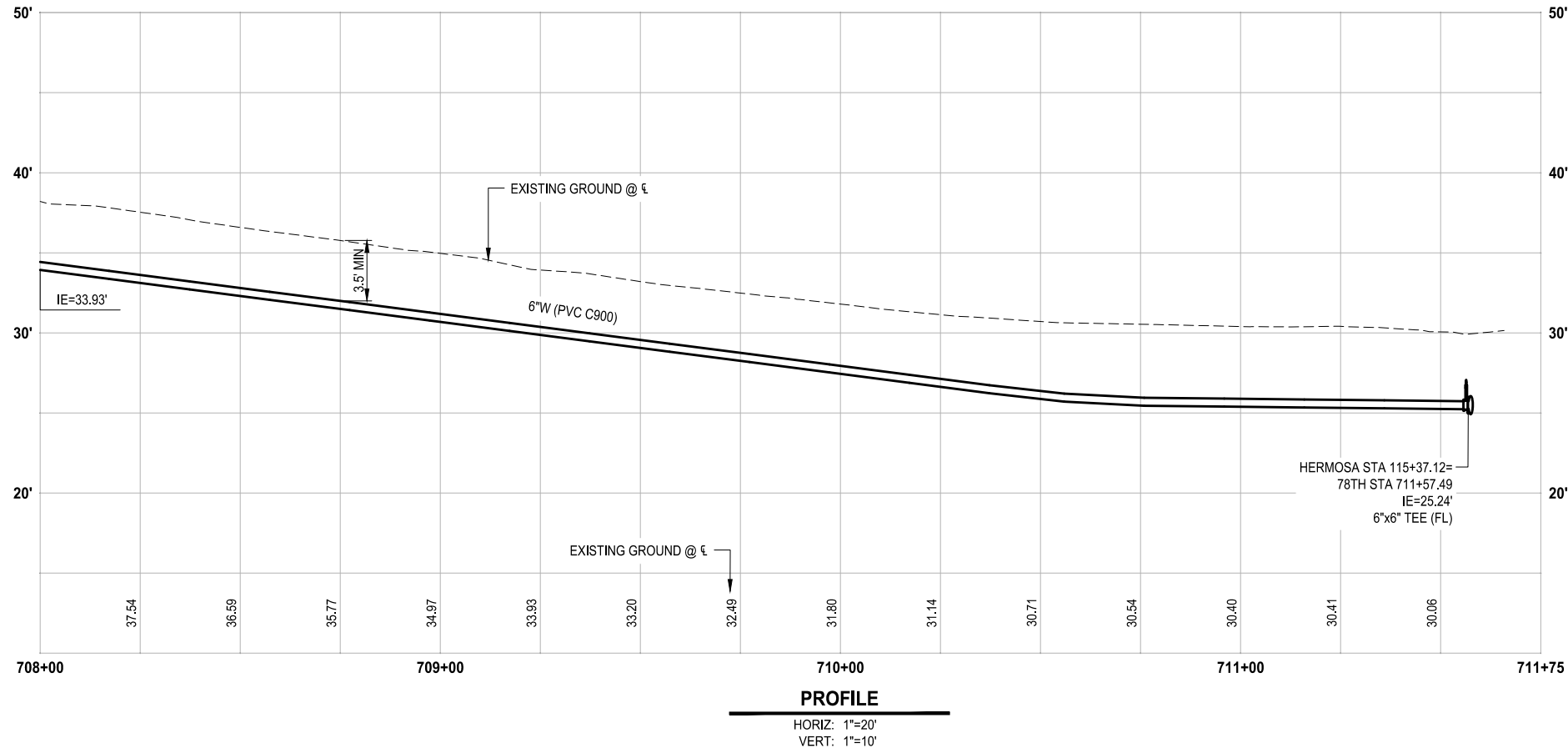
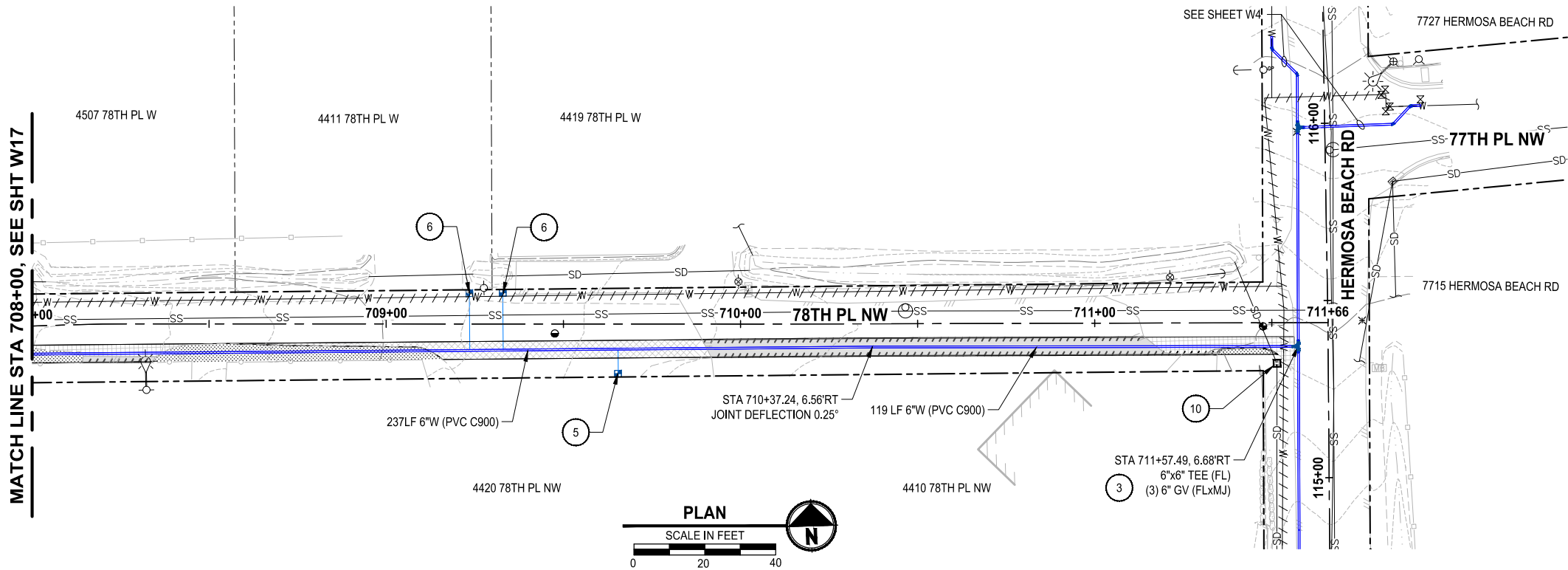
WATER PLAN & PROFILE
78TH ST NW STA 704+00 -
STA 708+00

DRAWING NO.
35 OF 50

W17

PATH: \\parametrix.com\pmx\PSO\Projects\Clients\1508-TulalipTribes\216-1598-156-TulalipBayWaterSystem\995vcs\CADD\DWG\Water - Hermosa-Mission-88h-Waterworks
LAYOUT: W18
PLOTTED BY: mahmoyou DATE: Tuesday, July 29, 2025 8:44:55 PM

MATCH LINE STA 708+00, SEE SHT W17



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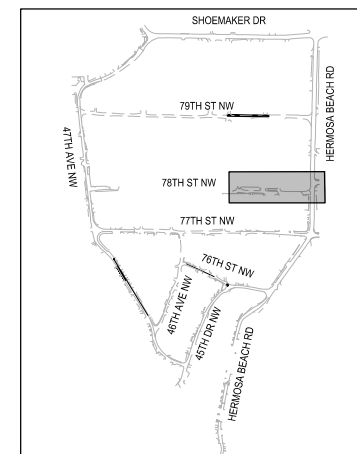
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10. INLET PROTECTION

CONSTRUCTION NOTES:

1. WHEN A WATER MAIN IS TO BE INSTALLED WITH LESS THAN 10 FEET OF HORIZONTAL SEPARATION FROM A SEWER MAIN, AND A MINIMUM OF 18 INCHES OF VERTICAL SEPARATION IS MAINTAINED BETWEEN THE BOTTOM OF THE WATER MAIN AND THE CROWN OF THE SEWER, THE WATER MAIN AND ALL FITTINGS SHALL BE MECHANICALLY RESTRAINED USING ROMAC ROMAGRIP OR APPROVED EQUAL AS SHOWN ON SHEET DT3. ALL OTHER PIPE JOINTS NOT RECEIVING MECHANICAL RESTRAINT SHALL BE RESTRAINED WITH RESTRAINT GASKET AS SPECIFIED BY MANUFACTURER OR STAR PIPE EXTERIOR RESTRAINT HARNESS. IF THE REQUIRED 18-INCH VERTICAL SEPARATION CANNOT BE MAINTAINED AT A WATER MAIN CROSSING OVER A SEWER, THE WATER MAIN SHALL BE INSTALLED IN A STEEL CASING. A DESIGN REVISION REQUEST SHALL BE SUBMITTED TO THE ENGINEER A MINIMUM OF ONE WEEK PRIOR TO INSTALLATION OF THE AFFECTED PIPE SEGMENT.
2. SEE TYPICAL TRENCH SECTIONS DETAIL ON SHEET DT1 FOR PAVEMENT RESTORATION.
3. PRESERVE AND PROTECT EXISTING ASPHALT.
4. NEW METER AND FIRE HYDRANT LOCATIONS ARE APPROXIMATE AND THE CONTRACTOR SHALL COORDINATE WITH THE TRIBES AND FIELD VERIFY THE NEW LOCATIONS.
5. ALL EXISTING METERS FOUND IN THE FIELD, THAT HAVE NOT BEEN LABELED OR IDENTIFIED IN THE BASEMAP, AND WHERE TO REPLACE WITH A NEW METER, WILL BE REMOVED PER WATER KEY NOTES 8.

TESC / RESTORATION LEGEND

- SEEDING, FERTILIZATION, AND MULCHING
- ASPHALT RESTORATION
- CONCRETE RESTORATION
- GRAVEL RESTORATION
- CAP AND ABANDON EXISTING WATER MAIN
- SAWCUT
- STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00



KEY MAP

100% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION



REVISIONS	DATE	BY	DESIGNED
			Y. MAHMOODI
			DRAWN
			Y. MAHMOODI
			CHECKED
			J. WRIGHT
			APPROVED
			H. LONGFELLOW

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME
PS1598158-W13-21
JOB No.
216-1598-158
DATE
JULY 2025



07-29-2025

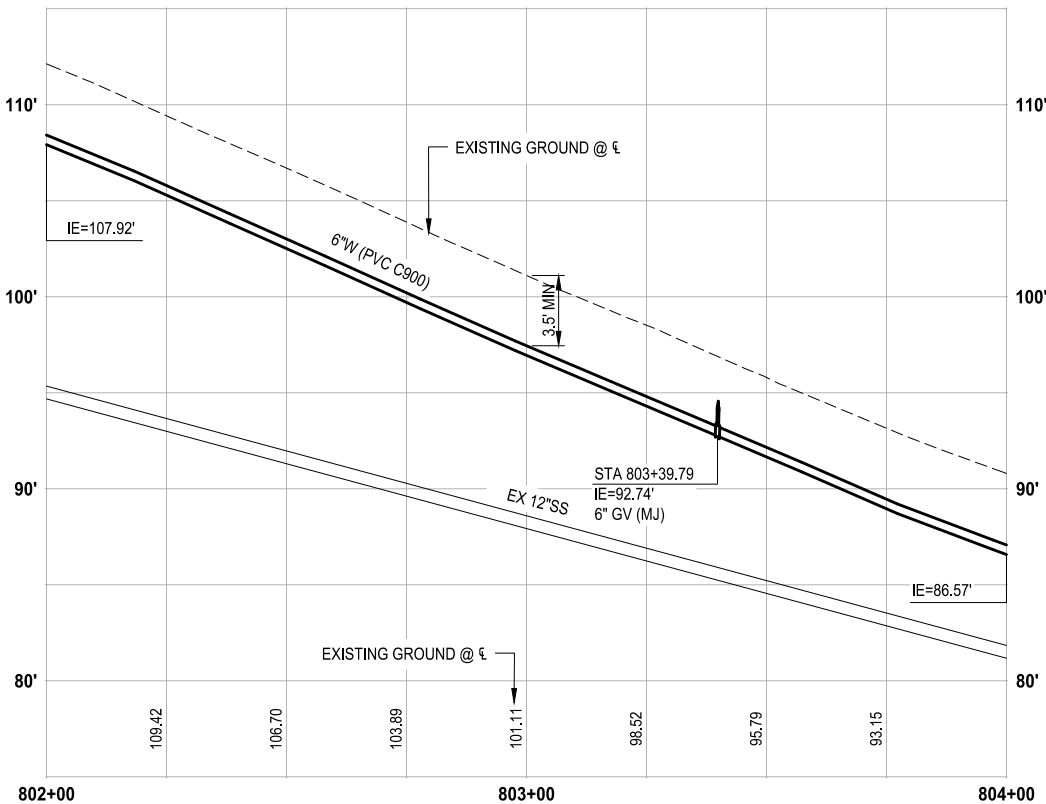
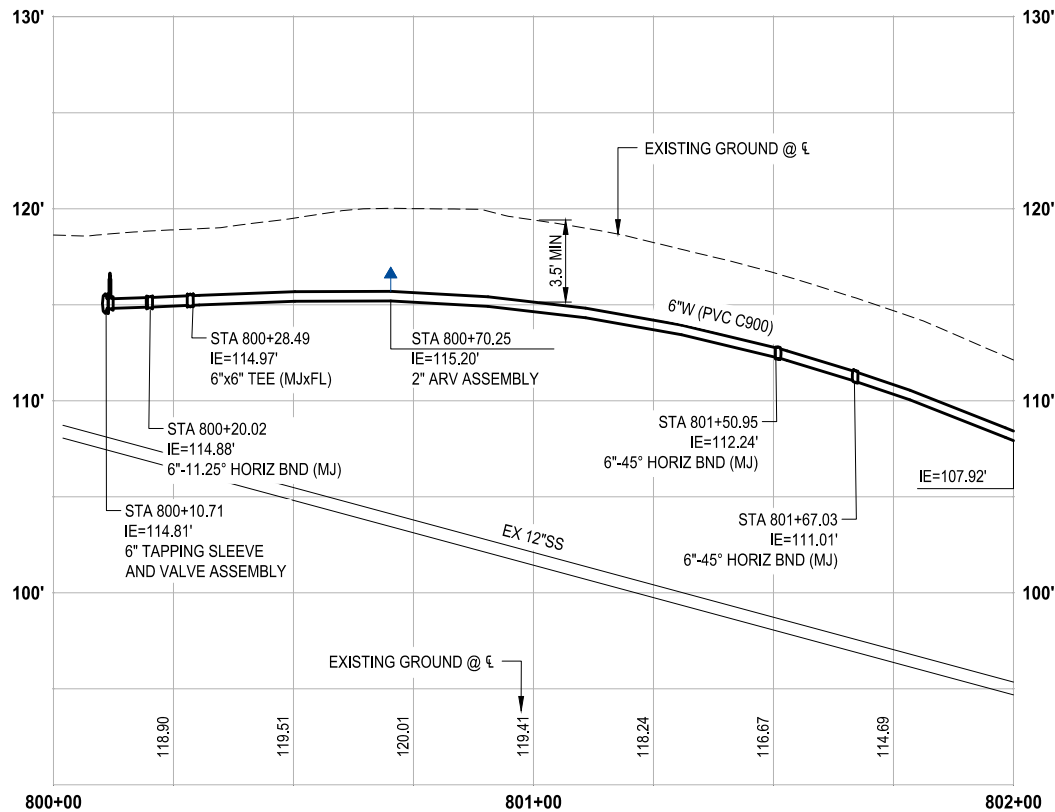
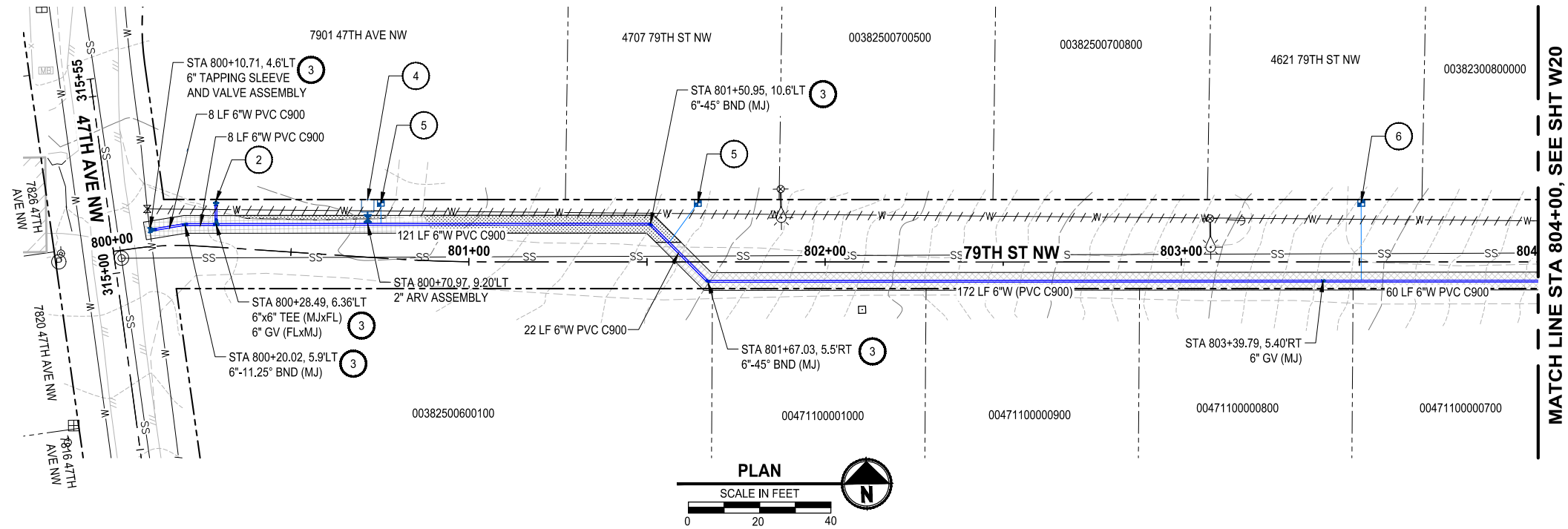
Parametrix
1019 39th Avenue SE, Suite 100 • Puyallup, WA 98374
Ph: 253.604.6600

PROJECT NAME
**THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS**
TULALIP WASHINGTON

**WATER PLAN & PROFILE
78TH ST NW STA 708+00 -
END**

DRAWING NO.
36 OF 50
W18

\\parametrix.com\pmx\PSO\Projects\Clients\1598-TulalipTribes\216-1598-156-TulalipWaterSystem\995vcs\CADD\DWG\Water - Hermosa-Mission-88h-Waterworks
LAYOUT: W19
DATE: Tuesday, July 29, 2025 8:45:01 PM
PLOTED BY: mahmoyou



WATER GENERAL NOTES:

1. MAINTAIN A MINIMUM 3.5' AND MAXIMUM 5.0' COVER OVER WATER MAIN (TYP) OR AS SHOWN IN THE PROFILE.
2. THE EXISTING WATER MAIN IS SHOWN BASED ON THE TULALIP GIS, AND SHALL BE FIELD VERIFIED.

WATER KEY NOTES:

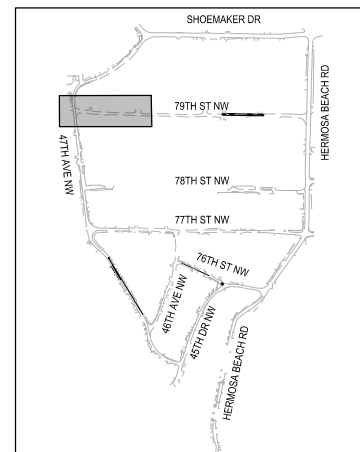
1. CONTRACTOR TO COORDINATE WITH SNOHOMISH COUNTY PUD IF NECESSARY FOR POLE HOLD.
2. INSTALL FIRE HYDRANT ASSEMBLY PER DETAIL 3, SHEET DT2.
3. THRUST BLOCKING PER DETAIL 8, SHEET DT3.
4. INSTALL 2-INCH COMBINATION AIR RELEASE / VACUUM VALVE ASSEMBLY PER DETAIL 10, SHEET DT3.
5. INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - SHORT SIDE.
6. INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - LONG SIDE.
7. CONTRACTOR SHALL EXPOSE EXISTING PIPE AT CONNECTION AND VERIFY DIMENSION AND FITTING NEEDS PRIOR TO ORDERING PARTS.
8. REMOVE EXISTING METER.
9. INSTALL 2" BLOWOFF ASSEMBLY PER DETAIL 5, SHEET DT2.
10. INLET PROTECTION

CONSTRUCTION NOTES:

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TESC / RESTORATION LEGEND

- SEEDING, FERTILIZATION, AND MULCHING
- ASPHALT RESTORATION
- CONCRETE RESTORATION
- GRAVEL RESTORATION
- CAP AND ABANDON EXISTING WATER MAIN
- SAWCUT
- STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN 1-40.20-00



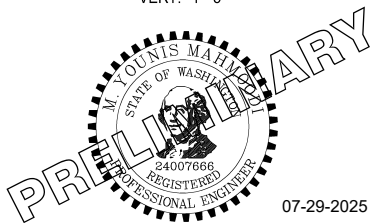
KEY MAP



100% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			Y. MAHMOODI
			DRAWN
			Y. MAHMOODI
			CHECKED
			J. WRIGHT
			APPROVED
			H. LONGFELLOW

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY	
FILE NAME	PS1598158-W13-21
JOB No.	216-1598-158
DATE	JULY 2025



07-29-2025

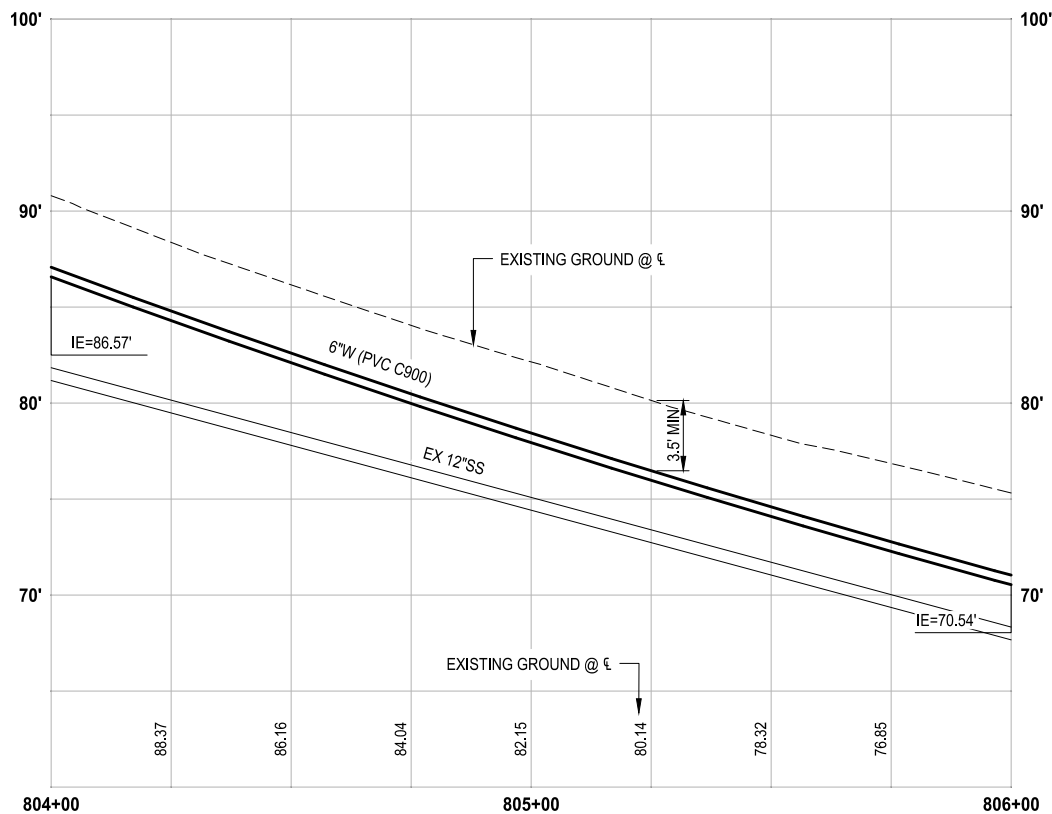
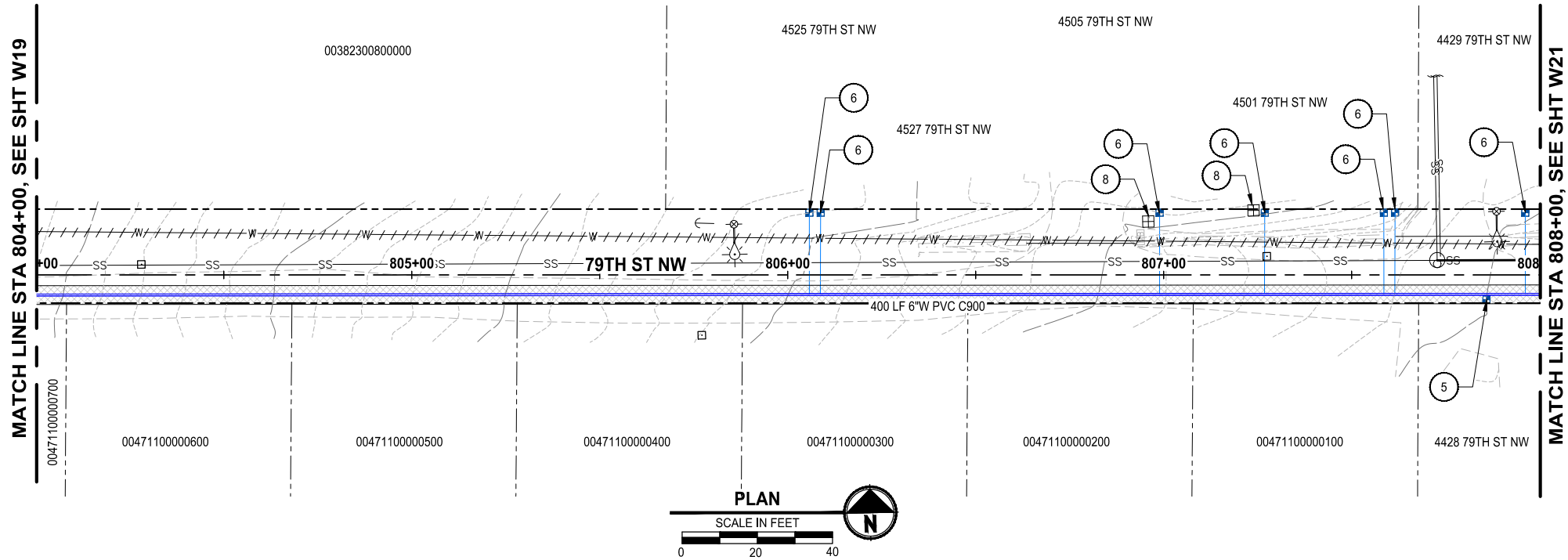
Parametrix
1019 39th Avenue SE, Suite 100 • Puyallup, WA 98374
Ph: 253.604.6600

PROJECT NAME
**THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS**
TULALIP WASHINGTON

**WATER PLAN & PROFILE
79TH ST NW STA 800+00 -
STA 804+00**

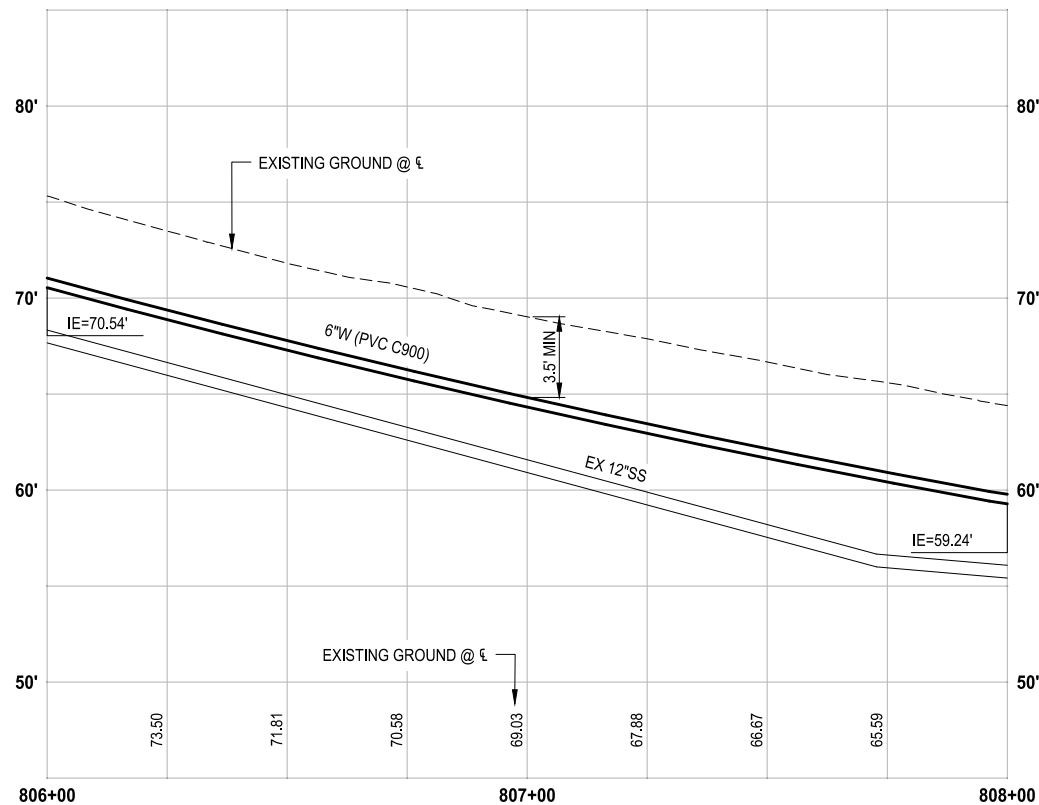
DRAWING NO.
37 OF 50
W19

\\parametrix.com\pmx\PSO\Projects\Clients\1598-TulalipTribes\216-1598-158-TulalipPayWaterSystem\995\cva\cadd\DWG\Water - Hermosa-Mission-88th-Waterworks
LAYOUT: W20
DATE: Tuesday, July 29, 2025 8:45:06 PM
PLOTTER: BY: mohmoyou



PROFILE

HORIZ: 1"=20'
VERT: 1"=5'



WATER GENERAL NOTES:

1. MAINTAIN A MINIMUM 3.5' AND MAXIMUM 5.0' COVER OVER WATER MAIN (TYP) OR AS SHOWN IN THE PROFILE.
2. THE EXISTING WATER MAIN IS SHOWN BASED ON THE TULALIP GIS, AND SHALL BE FIELD VERIFIED.

WATER KEY NOTES:

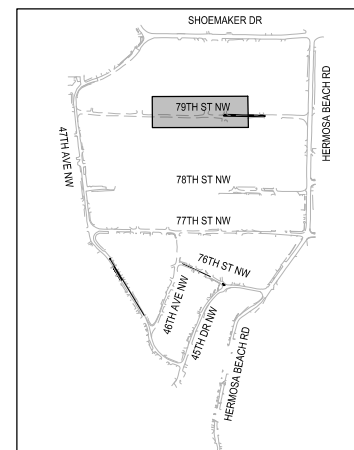
1. CONTRACTOR TO COORDINATE WITH SNOHOMISH COUNTY PUD IF NECESSARY FOR POLE HOLD.
2. INSTALL FIRE HYDRANT ASSEMBLY PER DETAIL 3, SHEET DT2.
3. THRUST BLOCKING PER DETAIL 8, SHEET DT3.
4. INSTALL 2-INCH COMBINATION AIR RELEASE / VACUUM VALVE ASSEMBLY PER DETAIL 10, SHEET DT3.
5. INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - SHORT SIDE.
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TESC / RESTORATION LEGEND

- SEEDING, FERTILIZATION, AND MULCHING
- ASPHALT RESTORATION
- CONCRETE RESTORATION
- GRAVEL RESTORATION
- - - - - CAP AND ABANDON EXISTING WATER MAIN
- SAWCUT
- STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00



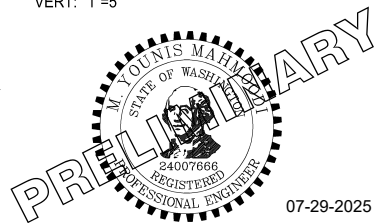
KEY MAP



100% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			Y. MAHMOODI
			DRAWN
			Y. MAHMOODI
			CHECKED
			J. WRIGHT
			APPROVED
			H. LONGFELLOW

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME
PS1598158-W13-21
JOB No.
216-1598-158
DATE
JULY 2025



07-29-2025

Parametrix

1019 39th Avenue SE, Suite 100 • Puyallup, WA 98374
Ph: 253.604.6600

PROJECT NAME

THE TULALIP TRIBES

2023 WATER SYSTEM IMPROVEMENTS

TULALIP WASHINGTON

WATER PLAN & PROFILE

79TH ST NW STA 804+00 -

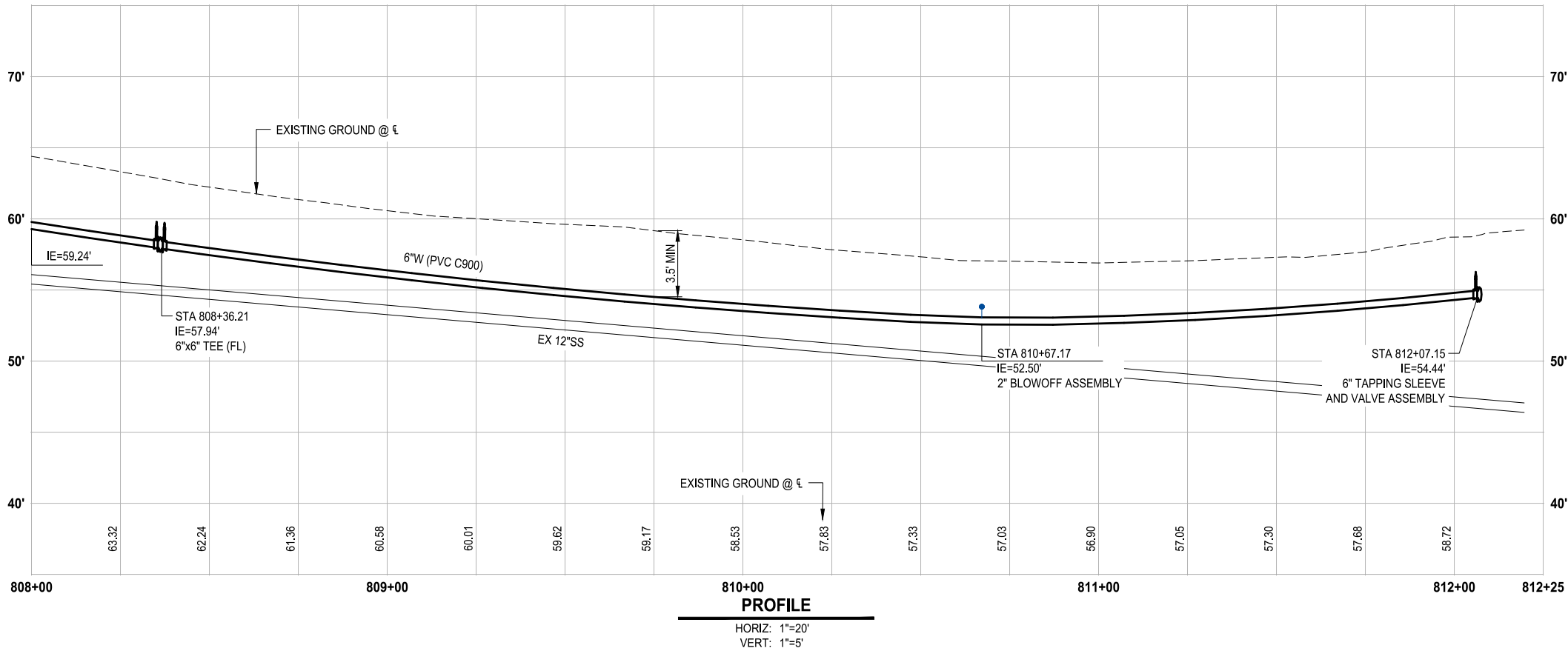
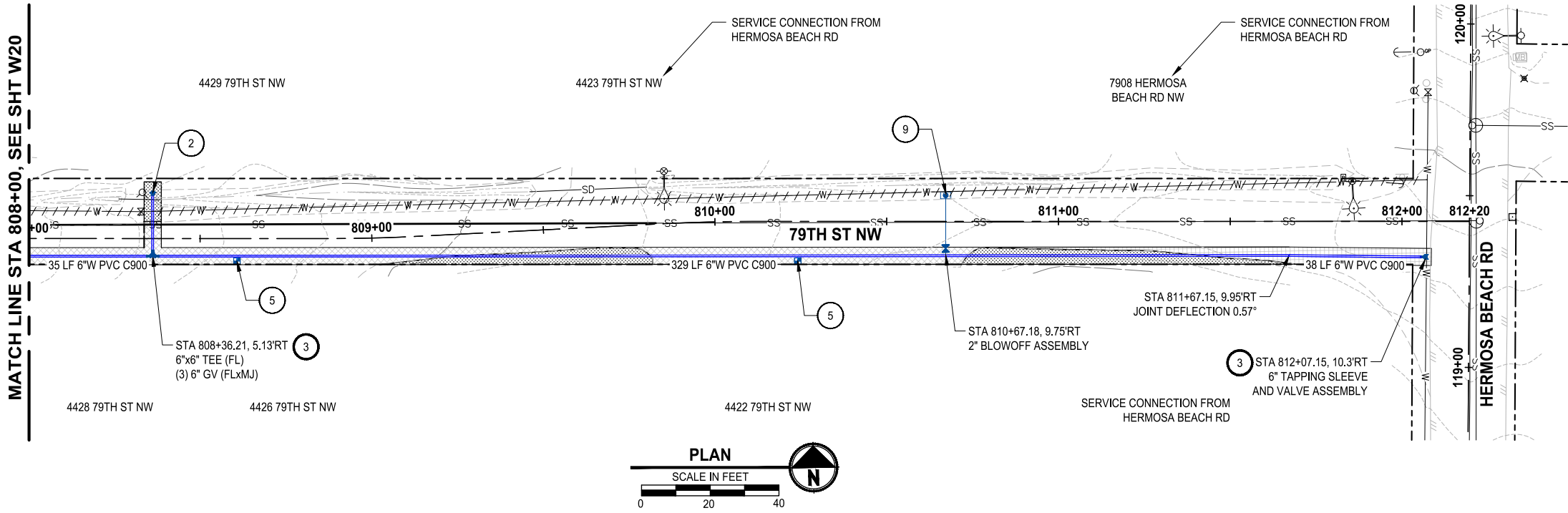
STA 808+00

DRAWING NO.

38 OF 50

W20

PATH: U:\PSO\Projects\Clients\1598-TulalipTribe\1598-TulalipTribe\216-1598-158 TulalipBoWWaterSystem\98Sves\CADD\DWG\Water - Hermosa-Mission-88th-Waterworks
LAYOUT: W21
PLOTED BY: mahmoudy DATE: Tuesday, July 29, 2025 9:51:50 PM



WATER GENERAL NOTES:

1. MAINTAIN A MINIMUM 3.5' AND MAXIMUM 5.0' COVER OVER WATER MAIN (TYP) OR AS SHOWN IN THE PROFILE.
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WATER KEY NOTES:

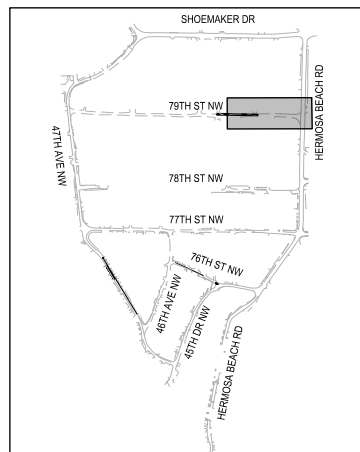
1. CONTRACTOR TO COORDINATE WITH SNOHOMISH COUNTY PUD IF NECESSARY FOR POLE HOLD.
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3. THRUST BLOCKING PER DETAIL 8, SHEET DT3.
4. INSTALL 2-INCH COMBINATION AIR RELEASE / VACUUM VALVE ASSEMBLY PER DETAIL 10, SHEET DT3.
5. INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - SHORT SIDE.
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CONSTRUCTION NOTES:

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TESC / RESTORATION LEGEND

- SEEDING, FERTILIZATION, AND MULCHING
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- GRAVEL RESTORATION
- CAP AND ABANDON EXISTING WATER MAIN
- SAWCUT
- STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00



KEY MAP



100% REVIEW SUBMITTAL
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REVISIONS	DATE	BY	DESIGNED
			Y. MAHMOUDI
			DRAWN
			Y. MAHMOUDI
			CHECKED
			J. WRIGHT
			APPROVED
			H. LONGFELLOW

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME
PS1598158-W13-21
JOB No.
216-1598-158
DATE
JULY 2025



07-29-2025

Parametrix

1019 39th Avenue SE, Suite 100 • Puyallup, WA 98374
Ph: 253.604.6600

PROJECT NAME

THE TULALIP TRIBES

2023 WATER SYSTEM IMPROVEMENTS

TULALIP WASHINGTON

WATER PLAN & PROFILE

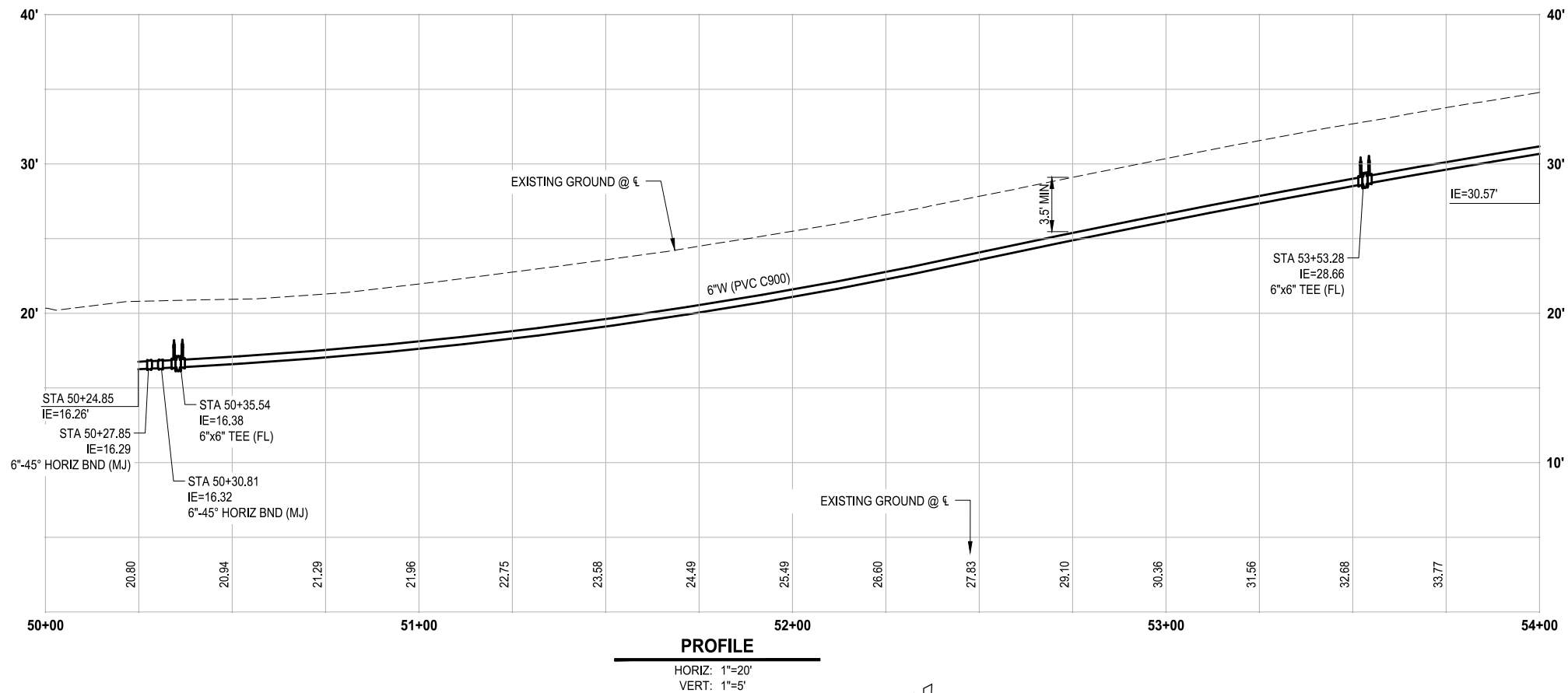
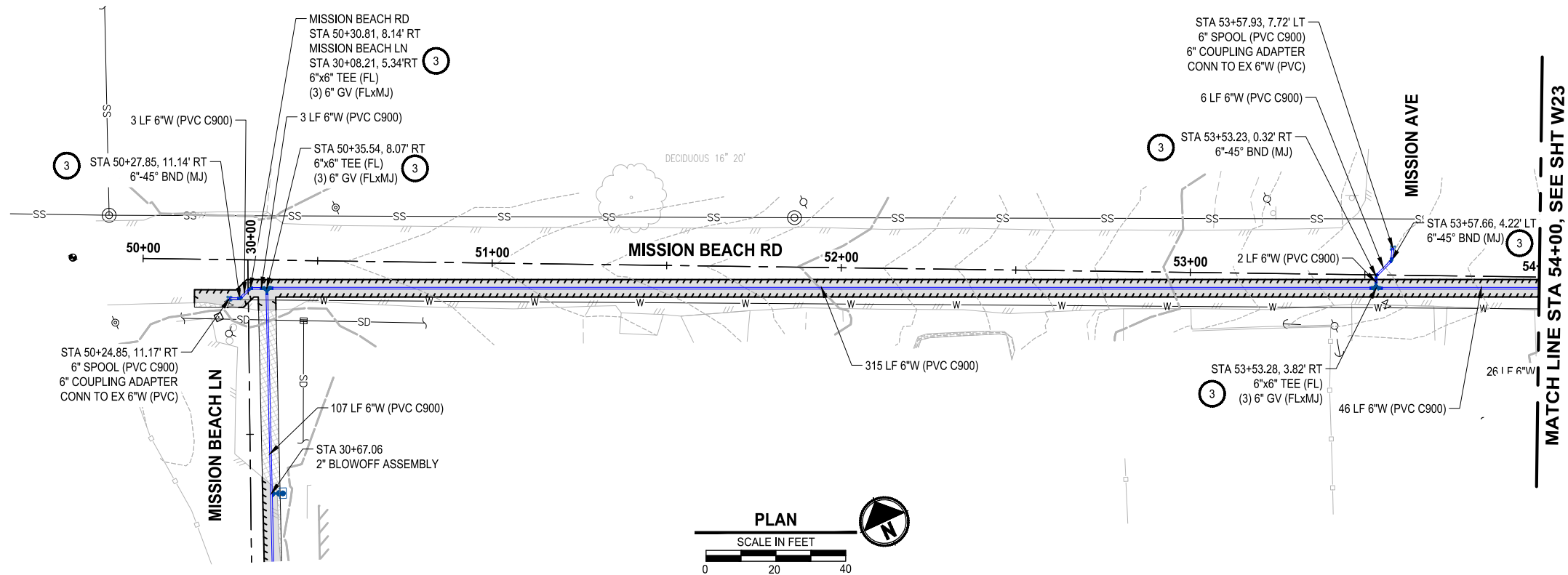
79TH ST NW STA 808+00 -

END

DRAWING NO.
39 OF 50

W21

PATH: U:\PSO\Projects\Clients\1598-TulipTribes\1598-158 TulipBoysWaterSystem\99Svcs\CADD\DWG\Water - Hermosa-Mission-88th-Waterworks
LAYOUT: W22
PLOTTED BY: mahmoody DATE: Tuesday, July 29, 2025 9:48:34 PM



WATER GENERAL NOTES:

1. MAINTAIN A MINIMUM 3.5' AND MAXIMUM 5.0' COVER OVER WATER MAIN (TYP) OR AS SHOWN IN THE PROFILE.
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4. INSTALL 2-INCH COMBINATION AIR RELEASE / VACUUM VALVE ASSEMBLY PER DETAIL 10, SHEET DT3.
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- SAWCUT
- STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00

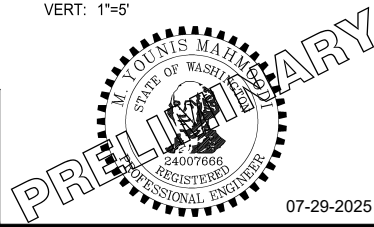


Know what's below.
Call before you dig.

100% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			Y. MAHMOODI
			DRAWN
			Y. MAHMOODI
			CHECKED
			J. WRIGHT
			APPROVED
			H. LONGFELLOW

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME
PS1598158-W22-25
JOB No.
216-1598-158
DATE
JULY 2025



07-29-2025

Parametrix

1019 39th Avenue SE, Suite 100 • Puyallup, WA 98374
Ph: 253.604.6600

PROJECT NAME

THE TULALIP TRIBES

2023 WATER SYSTEM IMPROVEMENTS

TULALIP WASHINGTON

WATER PLAN & PROFILE

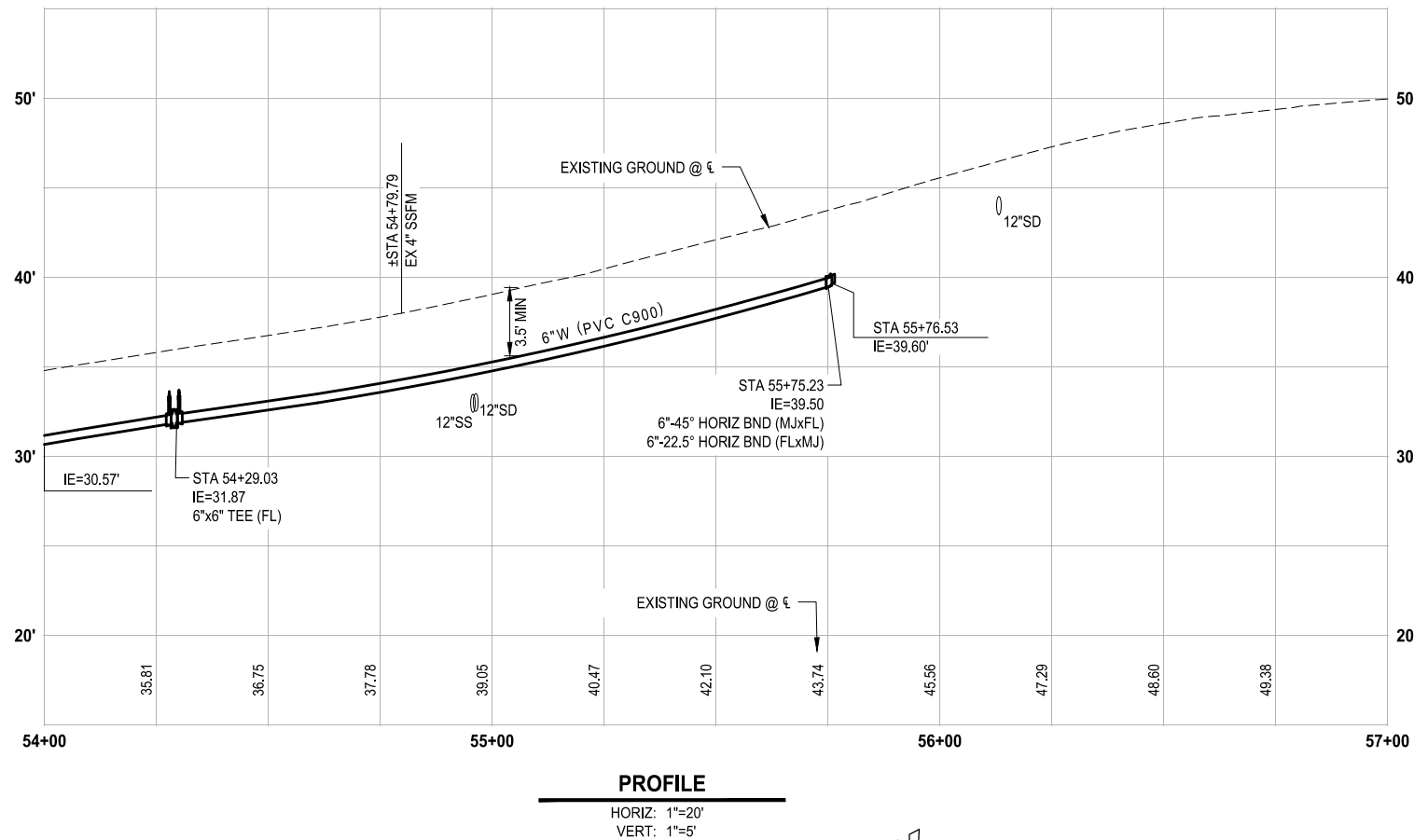
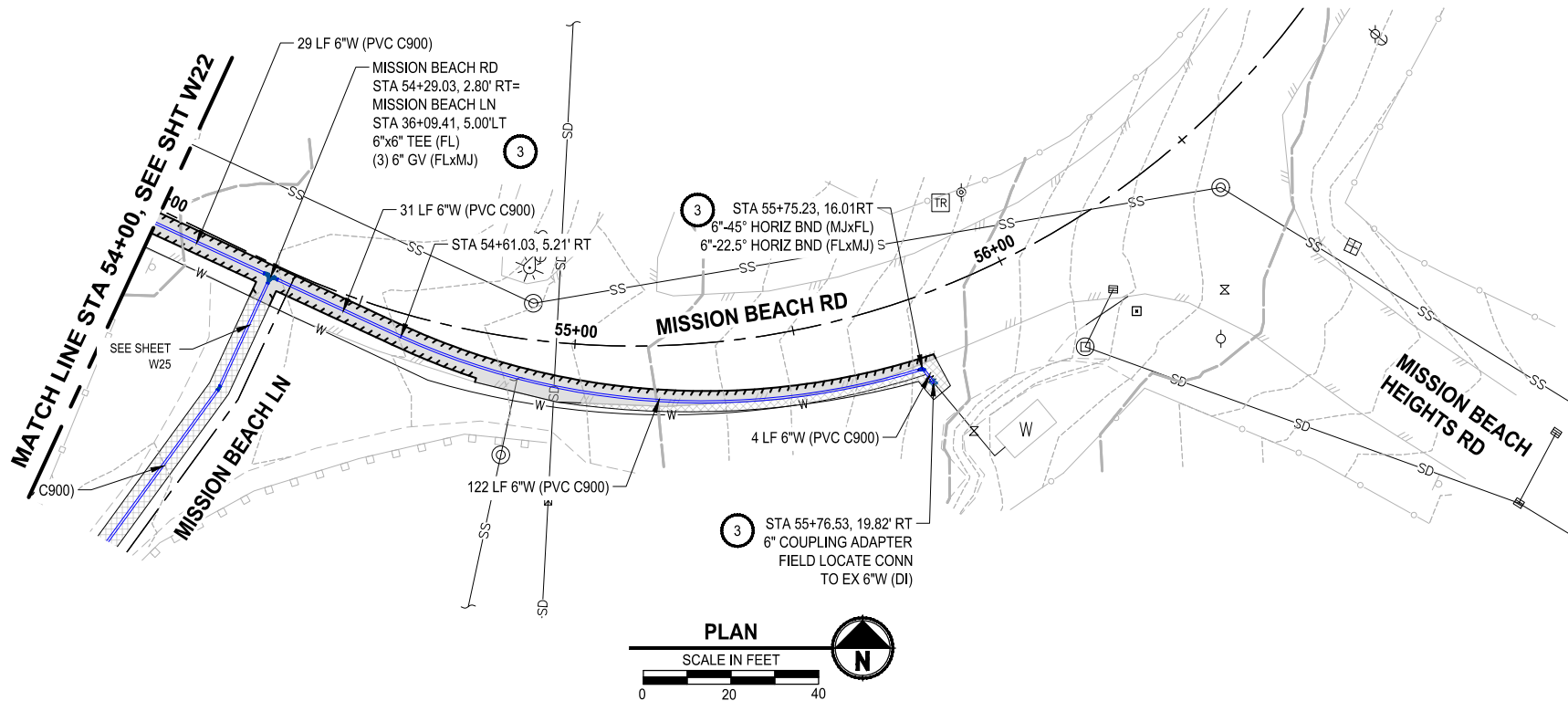
MISSION BEACH ROAD

BEGIN - STA 54+00

DRAWING NO.
40 OF 50

W22

PATH: \\parametrix.com\pmx\PSO\Projects\Clients\1598-Tulalip Tribes\1598-Tulalip Tribes\216-1598-158-Tulalip Water System\995\cadd\DWG\Water - Hermosa-Mission-88th-Waterworks
LAYOUT: W23
PLOTED BY: mahmoyou DATE: Tuesday, July 29, 2025 8:45:56 PM



WATER GENERAL NOTES:

1. MAINTAIN A MINIMUM 3.5' AND MAXIMUM 5.0' COVER OVER WATER MAIN (TYP) OR AS SHOWN IN THE PROFILE.
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- 10 INLET PROTECTION

CONSTRUCTION NOTES:

1. WHEN A WATER MAIN IS TO BE INSTALLED WITH LESS THAN 10 FEET OF HORIZONTAL SEPARATION FROM A SEWER MAIN, AND A MINIMUM OF 18 INCHES OF VERTICAL SEPARATION IS MAINTAINED BETWEEN THE BOTTOM OF THE WATER MAIN AND THE CROWN OF THE SEWER, THE WATER MAIN AND ALL FITTINGS SHALL BE MECHANICALLY RESTRAINED USING ROMAC ROMAGRIP OR APPROVED EQUAL AS SHOWN ON SHEET DT3. ALL OTHER PIPE JOINTS NOT RECEIVING MECHANICAL RESTRAINT SHALL BE RESTRAINED WITH RESTRAINT GASKET AS SPECIFIED BY MANUFACTURER OR STAR PIPE EXTERIOR RESTRAINT HARNESS. IF THE REQUIRED 18-INCH VERTICAL SEPARATION CANNOT BE MAINTAINED AT A WATER MAIN CROSSING OVER A SEWER, THE WATER MAIN SHALL BE INSTALLED IN A STEEL CASING. A DESIGN REVISION REQUEST SHALL BE SUBMITTED TO THE ENGINEER A MINIMUM OF ONE WEEK PRIOR TO INSTALLATION OF THE AFFECTED PIPE SEGMENT.
2. SEE TYPICAL TRENCH SECTIONS DETAIL ON SHEET DT1 FOR PAVEMENT RESTORATION.
3. PRESERVE AND PROTECT EXISTING ASPHALT.
4. NEW METER AND FIRE HYDRANT LOCATIONS ARE APPROXIMATE AND THE CONTRACTOR SHALL COORDINATE WITH THE TRIBES AND FIELD VERIFY THE NEW LOCATIONS.
5. ALL EXISTING METERS FOUND IN THE FIELD, THAT HAVE NOT BEEN LABELED OR IDENTIFIED IN THE BASEMAP, AND WHERE TO REPLACE WITH A NEW METER, WILL BE REMOVED PER WATER KEY NOTES 8.

TESC / RESTORATION LEGEND

- SEEDING, FERTILIZATION, AND MULCHING
- ASPHALT RESTORATION
- CONCRETE RESTORATION
- GRAVEL RESTORATION
- CAP AND ABANDON EXISTING WATER MAIN
- SAWCUT
- STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00

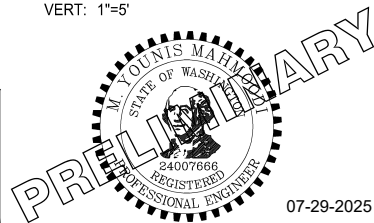


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REVISIONS	DATE	BY	DESIGNED
			Y. MAHMOODI
			DRAWN
			Y. MAHMOODI
			CHECKED
			J. WRIGHT
			APPROVED
			H. LONGFELLOW

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME PS1598158-W22-25
JOB No. 216-1598-158
DATE JULY 2025



Parametrix

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Ph: 253.604.6600

PROJECT NAME

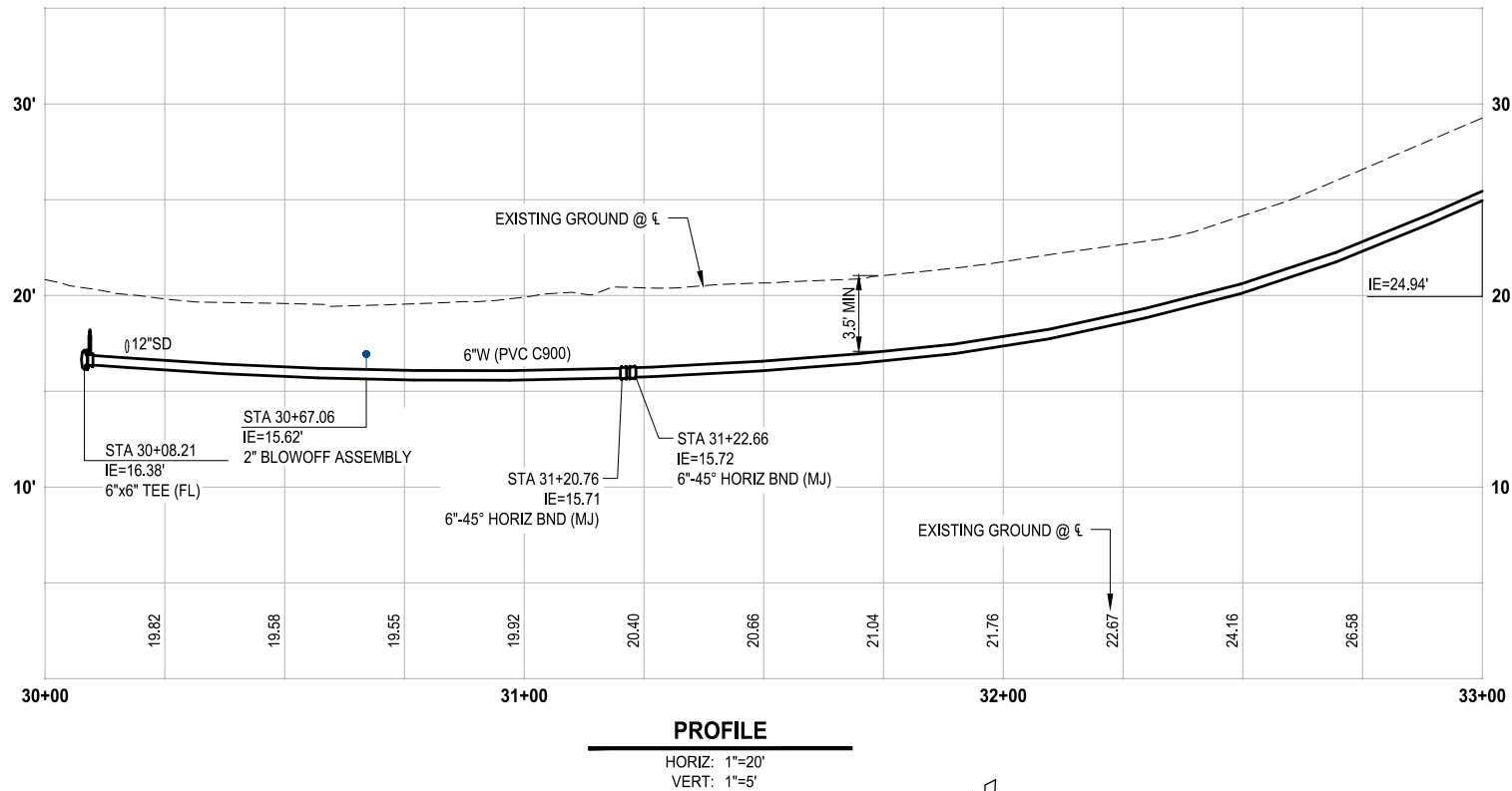
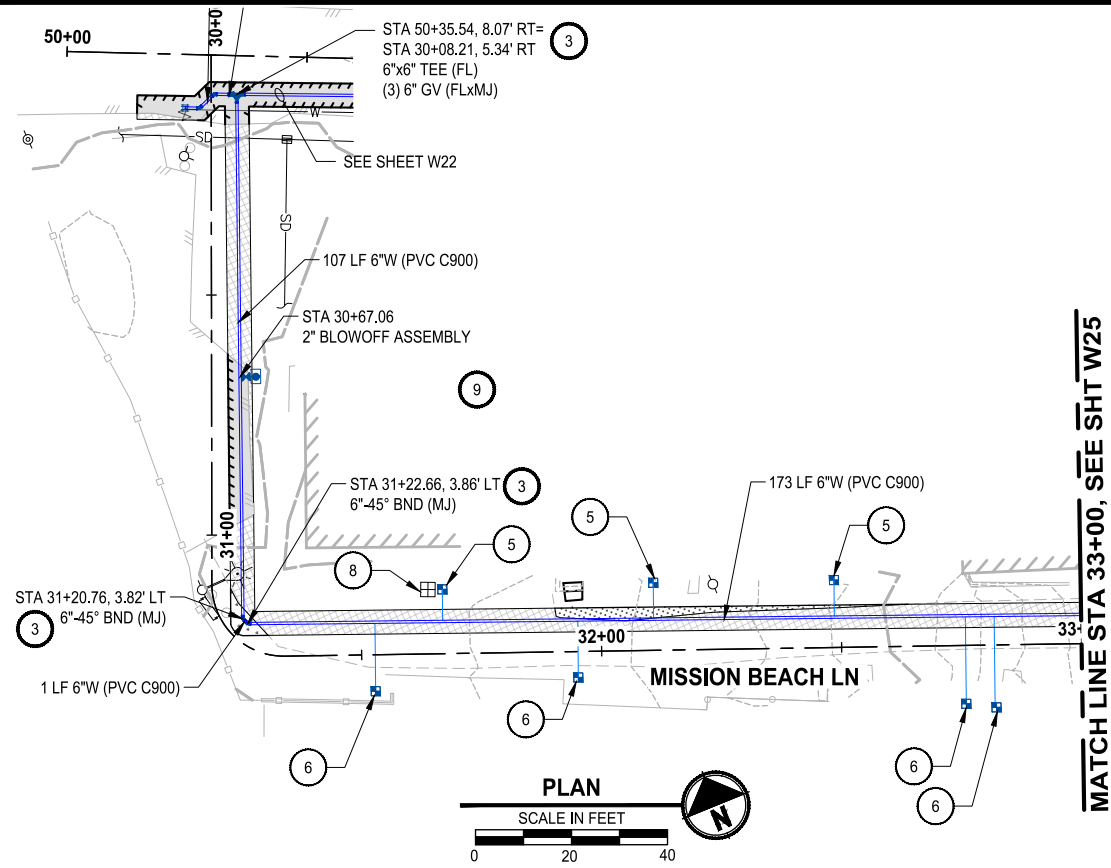
THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

WATER PLAN & PROFILE
MISSION BEACH ROAD
STA 54+00 - END

DRAWING NO.
41 OF 50

W23

PATH: U:\PSO\Projects\Clients\1598-TulalipTribe\1598-TulalipTribe\216-1598-158 TulalipBoysWaterSystem\99Sves\CA00\DWG\Water - Hermosa-Mission-88th-Waterworks
LAYOUT: W24
PLOTTED BY: mahmoudy DATE: Wednesday, July 30, 2025 11:15:54 AM



WATER GENERAL NOTES:

1. MAINTAIN A MINIMUM 3.5' AND MAXIMUM 5.0' COVER OVER WATER MAIN (TYP) OR AS SHOWN IN THE PROFILE.
2. THE EXISTING WATER MAIN IS SHOWN BASED ON THE TULALIP GIS, AND SHALL BE FIELD VERIFIED.

WATER KEY NOTES:

1. CONTRACTOR TO COORDINATE WITH SNOHOMISH COUNTY PUD IF NECESSARY FOR POLE HOLD.
2. INSTALL FIRE HYDRANT ASSEMBLY PER DETAIL 3, SHEET DT2.
3. THRUST BLOCKING PER DETAIL 8, SHEET DT3.
4. INSTALL 2-INCH COMBINATION AIR RELEASE / VACUUM VALVE ASSEMBLY PER DETAIL 10, SHEET DT3.
5. INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - SHORT SIDE.
6. INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - LONG SIDE.
7. CONTRACTOR SHALL EXPOSE EXISTING PIPE AT CONNECTION AND VERIFY DIMENSION AND FITTING NEEDS PRIOR TO ORDERING PARTS.
8. REMOVE EXISTING METER.
9. INSTALL 2" BLOWOFF ASSEMBLY PER DETAIL 5, SHEET DT2.
10. INLET PROTECTION

CONSTRUCTION NOTES:

1. WHEN A WATER MAIN IS TO BE INSTALLED WITH LESS THAN 10 FEET OF HORIZONTAL SEPARATION FROM A SEWER MAIN, AND A MINIMUM OF 18 INCHES OF VERTICAL SEPARATION IS MAINTAINED BETWEEN THE BOTTOM OF THE WATER MAIN AND THE CROWN OF THE SEWER, THE WATER MAIN AND ALL FITTINGS SHALL BE MECHANICALLY RESTRAINED USING ROMAC ROMAGRIP OR APPROVED EQUAL AS SHOWN ON SHEET DT3. ALL OTHER PIPE JOINTS NOT RECEIVING MECHANICAL RESTRAINT SHALL BE RESTRAINED WITH RESTRAINT GASKET AS SPECIFIED BY MANUFACTURER OR STAR PIPE EXTERIOR RESTRAINT HARNESS. IF THE REQUIRED 18-INCH VERTICAL SEPARATION CANNOT BE MAINTAINED AT A WATER MAIN CROSSING OVER A SEWER, THE WATER MAIN SHALL BE INSTALLED IN A STEEL CASING. A DESIGN REVISION REQUEST SHALL BE SUBMITTED TO THE ENGINEER A MINIMUM OF ONE WEEK PRIOR TO INSTALLATION OF THE AFFECTED PIPE SEGMENT.
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3. PRESERVE AND PROTECT EXISTING ASPHALT.
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TESC / RESTORATION LEGEND

- SEEDING, FERTILIZATION, AND MULCHING
- ASPHALT RESTORATION
- CONCRETE RESTORATION
- GRAVEL RESTORATION
- CAP AND ABANDON EXISTING WATER MAIN
- SAWCUT
- STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00

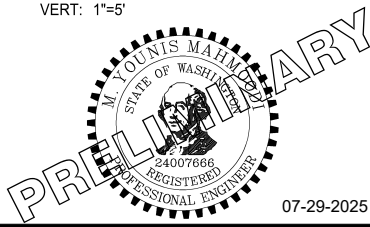


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			Y. MAHMOODI
			CHECKED
			J. WRIGHT
			APPROVED
			H. LONGFELLOW

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FILE NAME PS1598158-W22-25
JOB No. 216-1598-158
DATE JULY 2025



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Ph: 253.604.6600

PROJECT NAME

THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

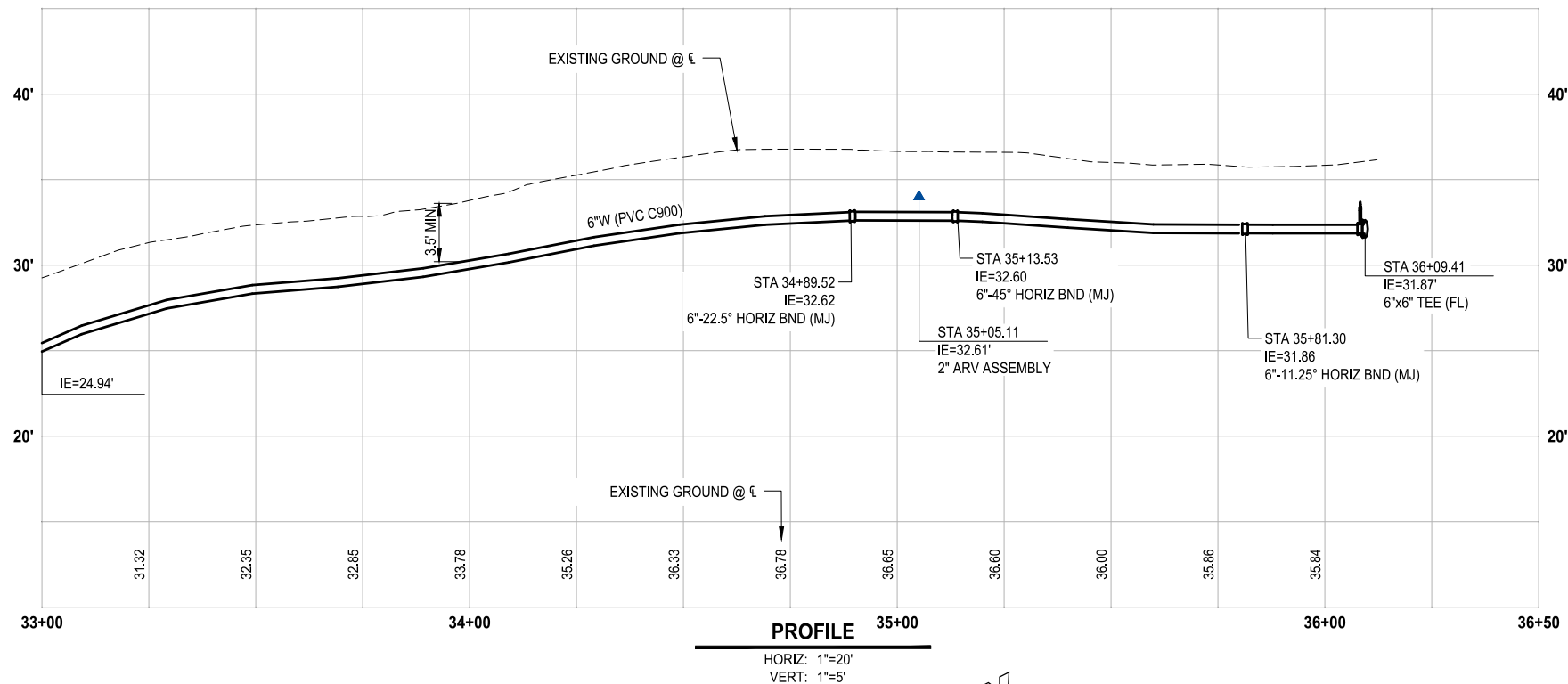
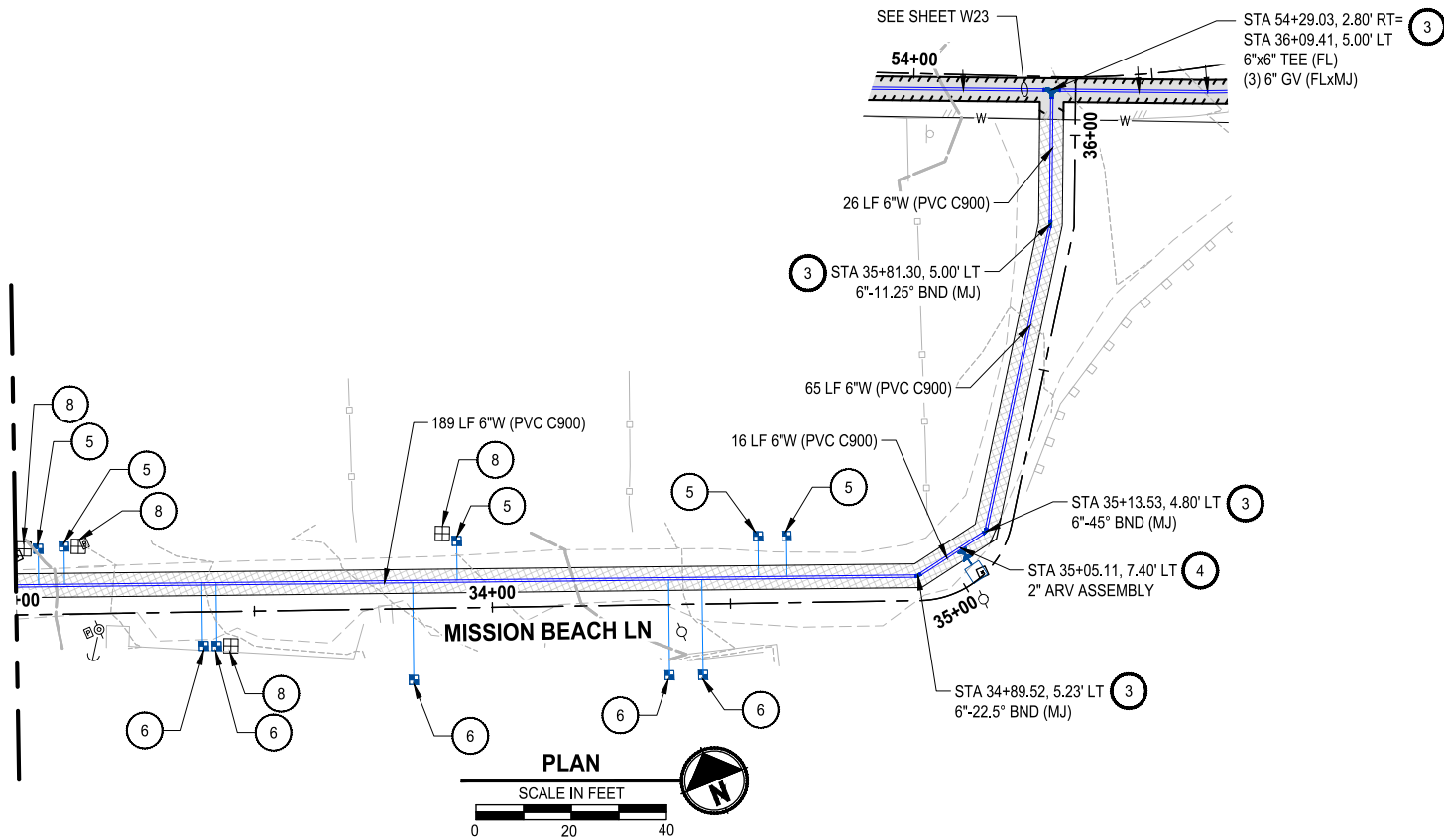
WATER PLAN & PROFILE
MISSION BEACH LANE
BEGIN - STA 33+00

DRAWING NO.
42 OF 50

W24

PATH: U:\PSO\Projects\Clients\1598-TulipTrbes\1598-158 TulipTrbes\WaterSystem\99Sves\158 TulipTrbes\Water - Hermosa-Mission-88th-Waterworks
LAYOUT: W25
PLOTTED BY: mahmoudy DATE: Wednesday, July 30, 2025 11:16:45 AM

MATCH LINE STA 33+00, SEE SHT W24



WATER GENERAL NOTES:

1. MAINTAIN A MINIMUM 3.5' AND MAXIMUM 5.0' COVER OVER WATER MAIN (TYP) OR AS SHOWN IN THE PROFILE.
2. THE EXISTING WATER MAIN IS SHOWN BASED ON THE TULALIP GIS, AND SHALL BE FIELD VERIFIED.

WATER KEY NOTES:

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2. INSTALL FIRE HYDRANT ASSEMBLY PER DETAIL 3, SHEET DT2.
3. THRUST BLOCKING PER DETAIL 8, SHEET DT3.
4. INSTALL 2-INCH COMBINATION AIR RELEASE / VACUUM VALVE ASSEMBLY PER DETAIL 10, SHEET DT3.
5. INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - SHORT SIDE.
6. INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 - LONG SIDE.
7. CONTRACTOR SHALL EXPOSE EXISTING PIPE AT CONNECTION AND VERIFY DIMENSION AND FITTING NEEDS PRIOR TO ORDERING PARTS.
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10. INLET PROTECTION

CONSTRUCTION NOTES:

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TESC / RESTORATION LEGEND

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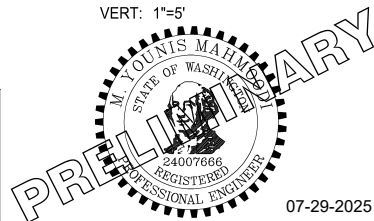


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			Y. MAHMOUDI
			CHECKED
			J. WRIGHT
			APPROVED
			H. LONGFELLOW

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FILE NAME
PS1598158-W22-25
JOB No.
216-1598-158
DATE
JULY 2025



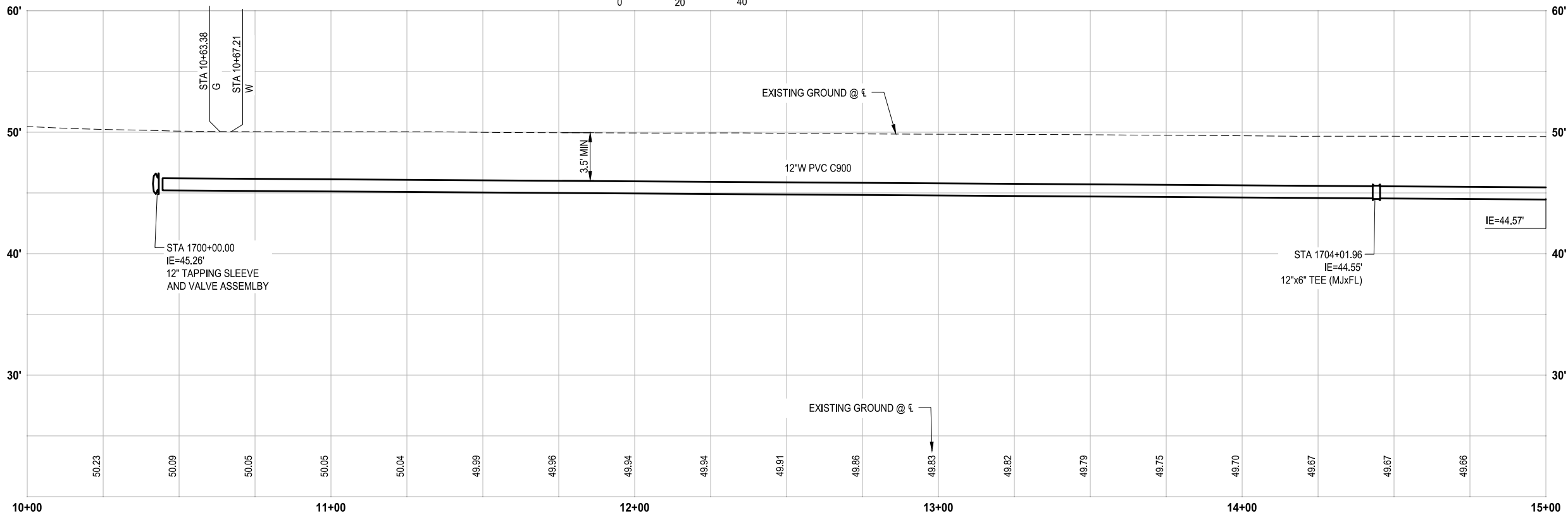
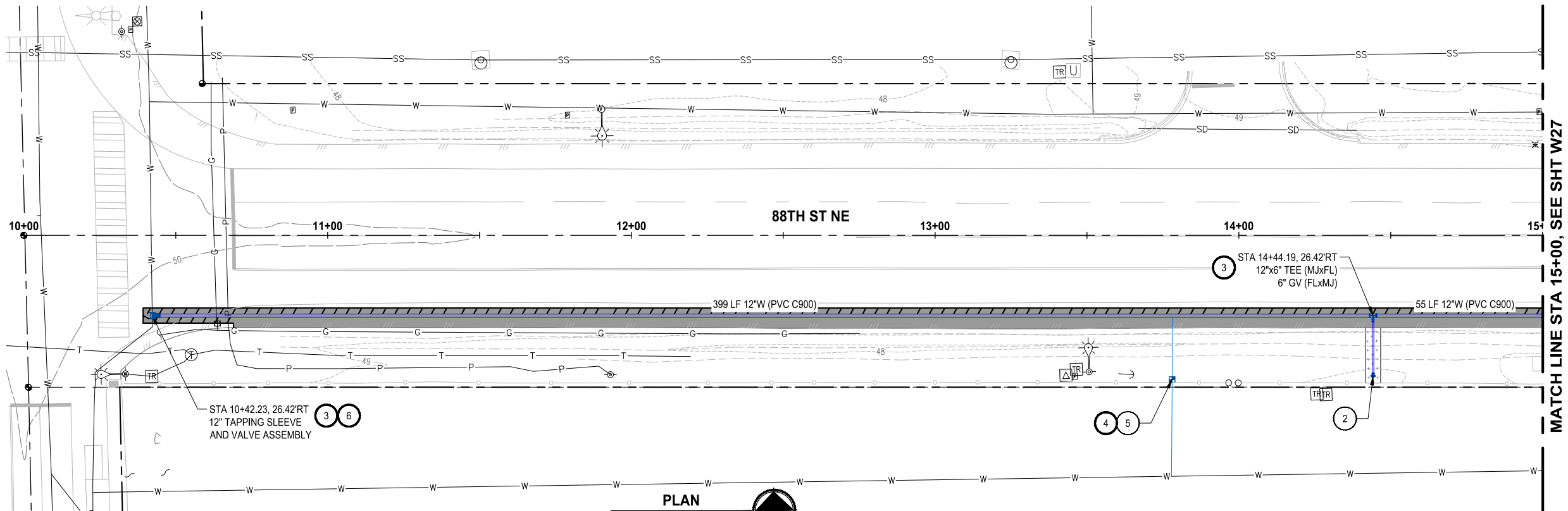
Parametrix
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Ph: 253.604.6600

PROJECT NAME
THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

WATER PLAN & PROFILE
MISSION BEACH LANE
STA 33+00 - END

DRAWING NO.
43 OF 50
W25

PATH: U:\PSO\Projects\Clients\1598-Tulalip Tribes\216-1598-158 Tulalip Tribes\216-1598-158 Hermosa-Mission-88th-Water - Hermosa-Mission-88th-Waterworks
LAYOUT: W26
PLOTTED BY: mahmoudy DATE: Wednesday, July 30, 2025 11:48:16 AM



WATER GENERAL NOTES:

1. MAINTAIN A MINIMUM 3.5' AND MAXIMUM 5.0' COVER OVER WATER MAIN (TYP) OR AS SHOWN IN THE PROFILE.
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CONSTRUCTION NOTES:

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3. PRESERVE AND PROTECT EXISTING ASPHALT.

TESC / RESTORATION LEGEND

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- SAWCUT
- STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00

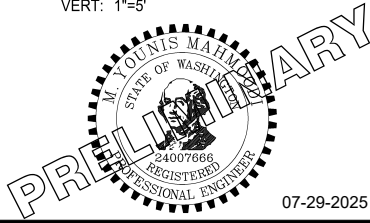


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			DRAWN
			Y. MAHMOODI
			CHECKED
			J. WRIGHT
			APPROVED
			H. LONGFELLOW

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FILE NAME
PS1598158-W26-28
JOB No.
216-1598-158
DATE
JULY 2025



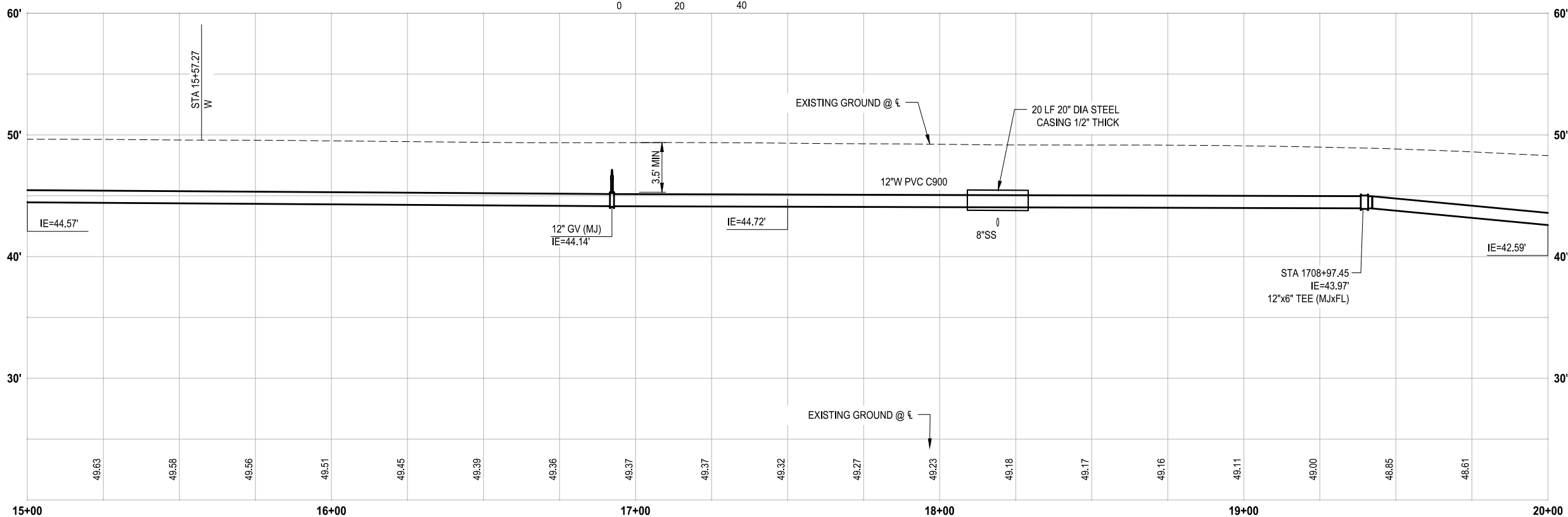
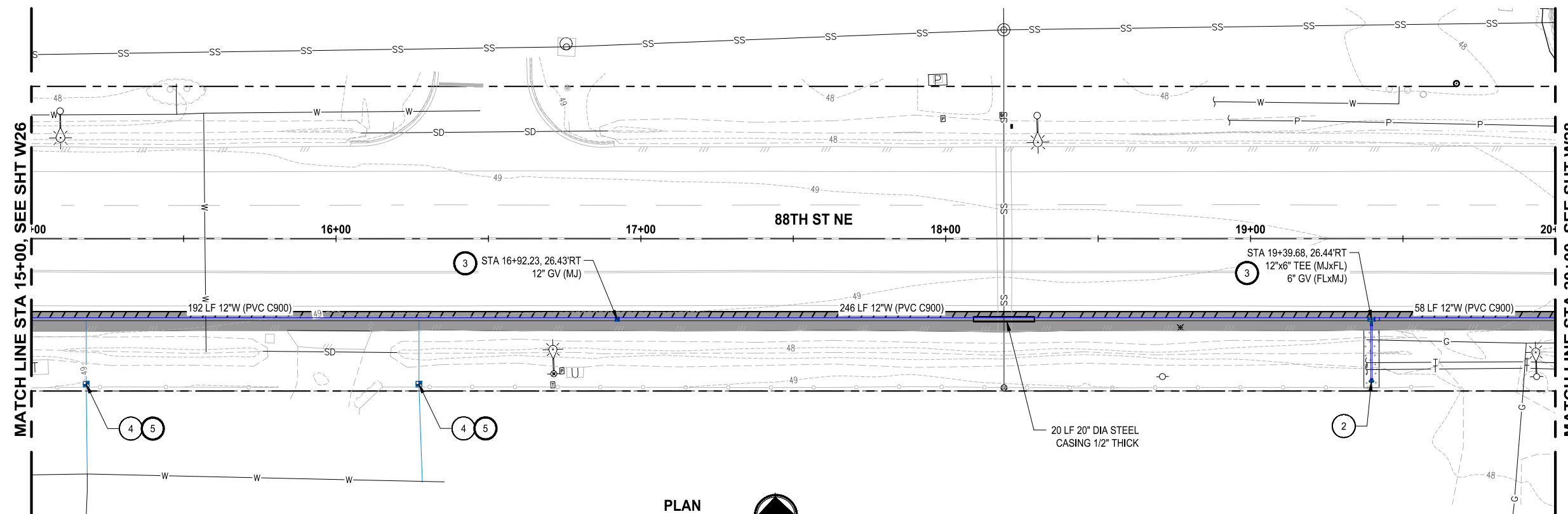
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PROJECT NAME
THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

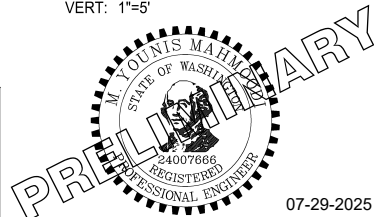
WATER PLAN & PROFILE 88TH
ST NE BEGIN - STA 15+00

DRAWING NO.
44 OF 50
W26



PROFILE

HORIZ: 1"=20'
VERT: 1"=5'



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PROJECT NAME

THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS
TULALIP WASHINGTON

WATER PLAN & PROFILE 88TH ST NE STA 15+00 - STA 20+00

DRAWING NO.
45 OF 50

W27

WATER GENERAL NOTES:

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



WATER KEY NOTES:

1. CONTRACTOR TO COORDINATE WITH SNOHOMISH COUNTY PUD IF NECESSARY FOR POLE HOLD.
2. INSTALL FIRE HYDRANT ASSEMBLY PER DETAIL 3, SHEET DT2.
3. THRUST BLOCKING PER DETAIL 8, SHEET DT3.
4. INSTALL 1" WATER METER AND PRV ASSEMBLY PER DETAIL 2, SHEET DT1 – SHORT SIDE.
5. REMOVE EXISTING METER.
6. CONTRACTOR SHALL EXPOSE EXISTING PIPE AT CONNECTION AND VERIFY DIMENSION AND FITTING NEEDS PRIOR TO ORDERING PARTS.

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL MECHANICALLY RESTRAIN WATER MAIN FITTINGS AND PIPE JOINT USING ROMAC ROMAGRIP OR APPROVED EQUAL AS SHOWN ON SHEET DT3. ALL OTHER PIPE JOINTS NOT RECEIVING MECHANICAL RESTRAINT SHALL BE RESTRAINED WITH RESTRAINT GASKET AS SPECIFIED BY MANUFACTURER OR STAR PIPE EXTERIOR RESTRAINT HARNESS.
2. SEE TYPICAL TRENCH SECTIONS DETAIL ON SHEET DT1 FOR PAVEMENT RESTORATION.
3. PRESERVE AND PROTECT EXISTING ASPHALT.

TESC / RESTORATION LEGEND

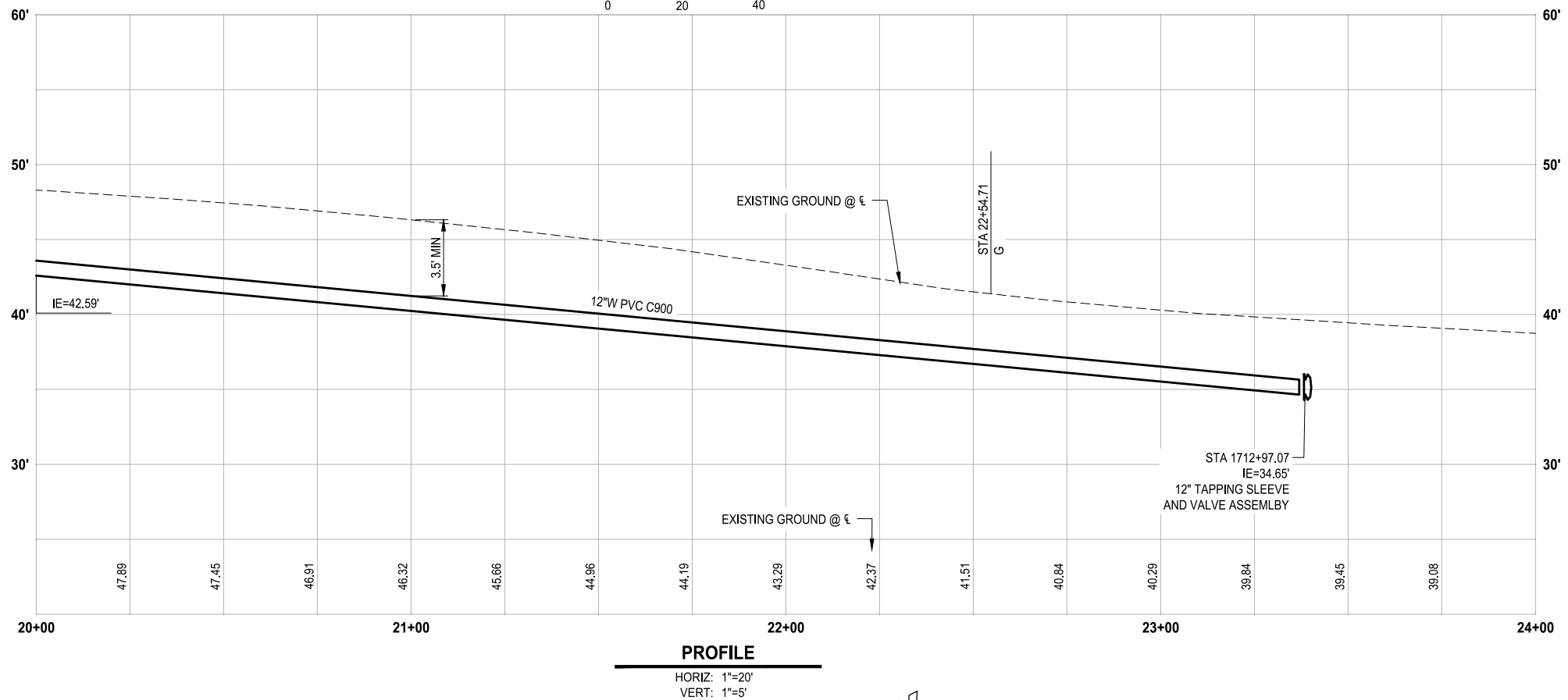
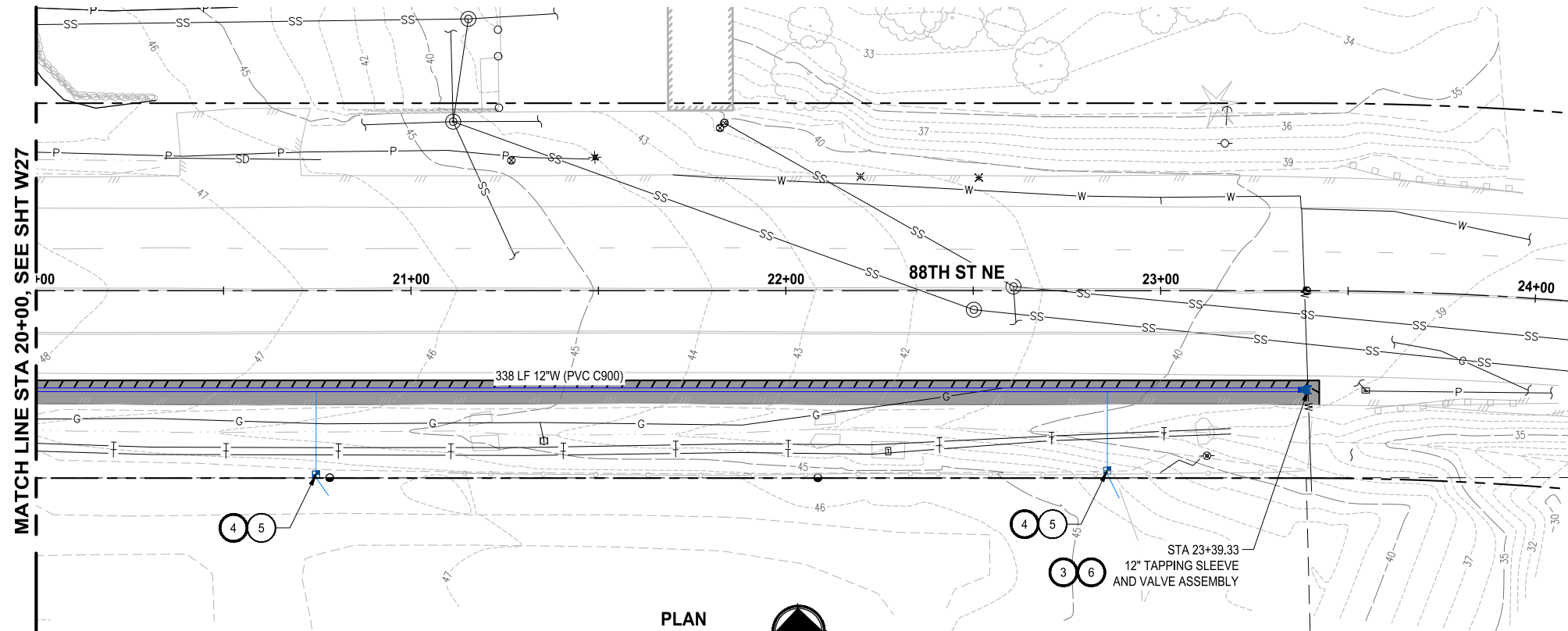
	SEEDING, FERTILIZATION, AND MULCHING
	ASPHALT RESTORATION
	CONCRETE RESTORATION
	GRAVEL RESTORATION
	CAP AND ABANDON EXISTING WATER MAIN
	SAWCUT
	STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN 1-40.20-00



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PATH: U:\PSO\Projects\Clients\1598-Tulip\Trees\216-1598-158 Tulip\BoyWater\System\99\SS\CA00\DWG\Water - Hermosa-Mission-88th-Waterworks
LAYOUT: W28
PLOTTED BY: mahmoudy DATE: Wednesday, July 30, 2025 11:45:09 AM



WATER GENERAL NOTES:

1. MAINTAIN A MINIMUM 3.5' AND MAXIMUM 5.0' COVER OVER WATER MAIN (TYP) OR AS SHOWN IN THE PROFILE.
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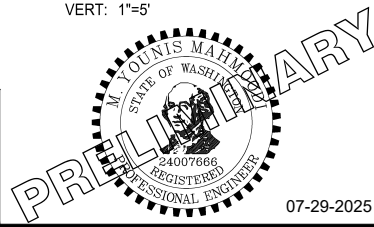


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			DRAWN
			Y. MAHMOUDI
			CHECKED
			J. WRIGHT
			APPROVED
			H. LONGFELLOW

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME
PS1598158-W26-28
JOB No.
216-1598-158
DATE
JULY 2025



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Ph: 253.604.6600

PROJECT NAME

THE TULALIP TRIBES

2023 WATER SYSTEM IMPROVEMENTS

TULALIP WASHINGTON

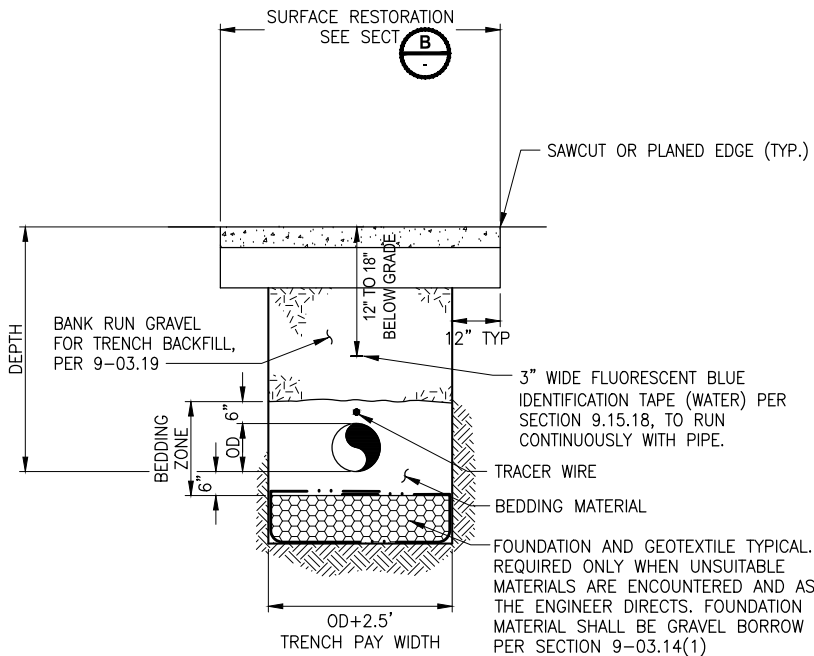
WATER PLAN & PROFILE

88TH ST NE STA 20+00 - END

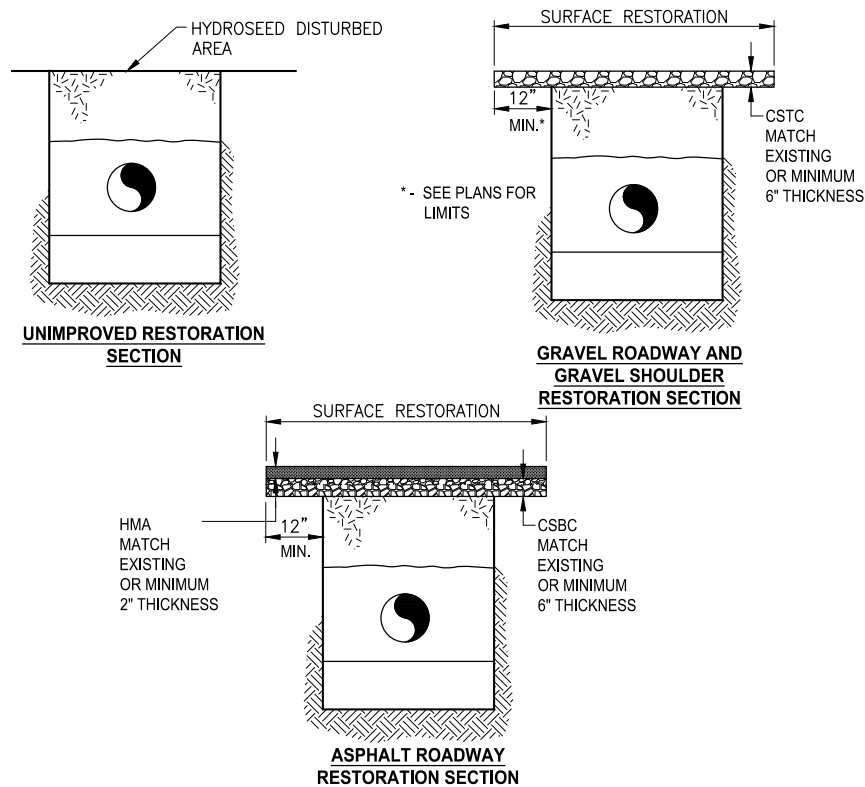
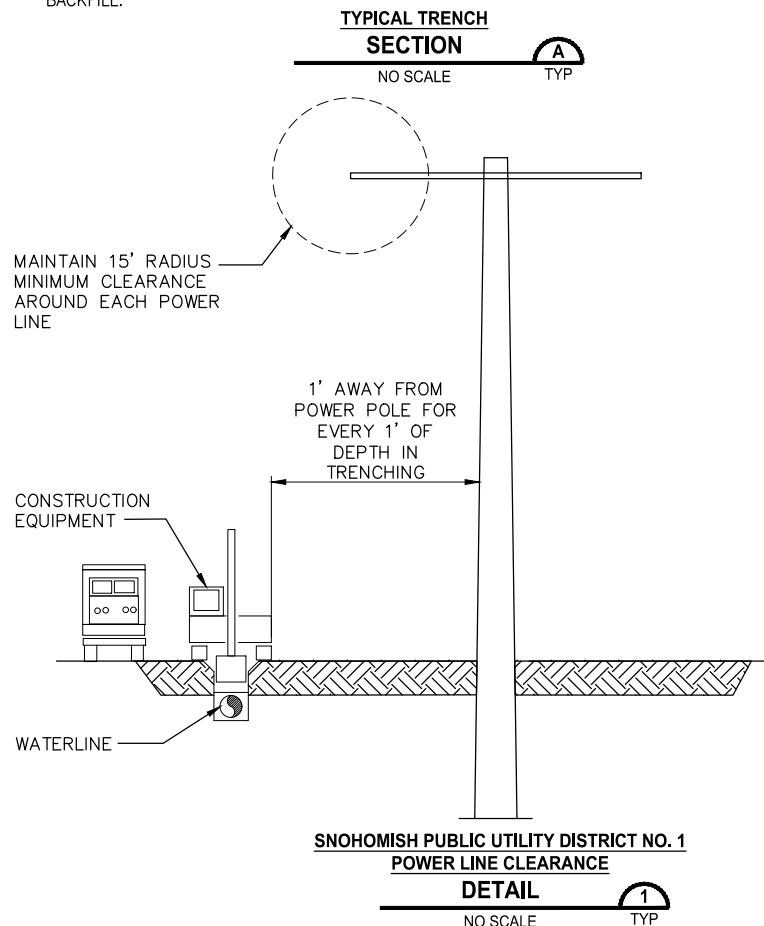
DRAWING NO.
46 OF 50

W28

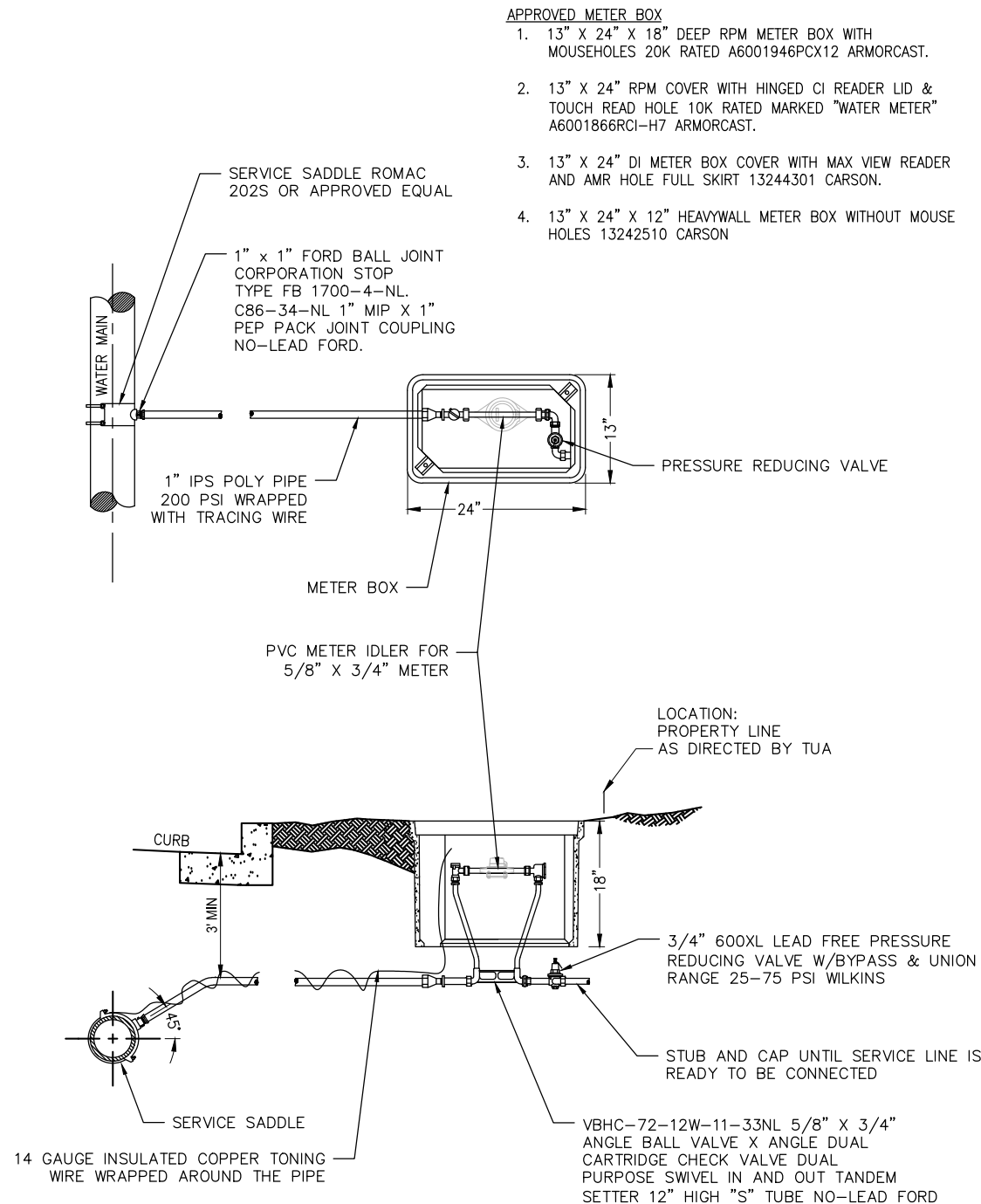
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LAYOUT: DT1
PLOTTED BY: mahmoudy DATE: Tuesday, July 23, 2025 8:47:11 PM



- NOTES:**
1. COMPACTION: BEDDING SHALL BE COMPACTED TO 95% MAX. AS DETERMINED BY ASTM D1557. BACKFILL SHALL BE COMPACTED TO 95% IN PAVED OR SHOULDER AREAS AS DETERMINED BY ASTM D1557.
 2. ALL MATERIALS, WORKMANSHIP, AND INSTALLATION SHALL BE IN CONFORMANCE WITH THE MOST CURRENT WSDOT/APWA STANDARD SPECIFICATIONS.
 3. NATIVE MATERIAL MEETING REQUIREMENTS OF 9-03.19 IS ACCEPTABLE FOR TRENCH BACKFILL.



- NOTES:**
1. THE CONTRACTOR WORKING ADJACENT TO OR UNDERNEATH POWER LINES SHALL MEET THE REQUIREMENTS OF WAC 296-24-960.
 2. POWER WIRES ARE LOCATED JUST INSIDE (SOUTH SIDE OF MARINE DR) THE CONSTRUCTION LIMITS AREA. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN MOBILIZED ADJACENT TO OR DIRECTLY BELOW POWER LINES, PARTICULARLY WHEN USING EQUIPMENT WITH EXTENDED BOOM OR BUCKET. SNOHOMISH PUBLIC UTILITY DISTRICT REQUIRES MINIMUM CLEARANCE FROM EACH POWER LINE OF 15 FT RADIUS.
 3. HEIGHT OF POWER LINE IS LOWEST AT APPROXIMATELY THE CENTER OF SPAN WHERE SAG IS GREATEST. SAG MAY INCREASE DURING WINDY OR VARYING CLIMATE CONDITIONS.
 4. SEE EASEMENT AND PERMIT AGREEMENTS IN THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 5. SAFETY WATCH. THE CONTRACTOR SHALL ENTER INTO AN AGREEMENT WITH SNOHOMISH COUNTY PUBLIC UTILITY DISTRICT NO. 1 FOR A SAFETY WATCH FOR ALL WORK PERFORMED WITHIN 15 FT OF POWER LINES. ALL COSTS ASSOCIATED WITH THE SAFETY WATCH SHALL BE BORNE BY THE CONTRACTOR.
 6. IN CASE OF EMERGENCY, CALL SNOHOMISH COUNTY PUBLIC UTILITY DISTRICT AT 425-783-1000 TO DISPATCH A QUALIFIED ELECTRICAL WORKER.



- APPROVED METER BOX**
1. 13" X 24" X 18" DEEP RPM METER BOX WITH MOUSEHOLES 20K RATED A6001946PCX12 ARMORCAST.
 2. 13" X 24" RPM COVER WITH HINGED CI READER LID & TOUCH READ HOLE 10K RATED MARKED "WATER METER" A6001866RCI-H7 ARMORCAST.
 3. 13" X 24" DI METER BOX COVER WITH MAX VIEW READER AND AMR HOLE FULL SKIRT 13244301 CARSON.
 4. 13" X 24" X 12" HEAVYWALL METER BOX WITHOUT MOUSE HOLES 13242510 CARSON

- NOTES:**
1. STAINLESS STEEL INSERTS REQUIRED FOR ALL PACK JOINTS AND GRIP.
 2. ALL SERVICE SADDLES AND FITTINGS SHALL HAVE I.P. THREADS.

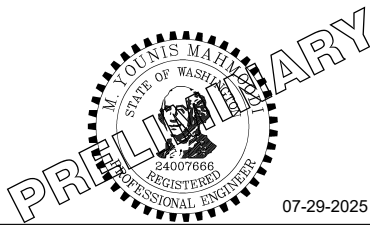


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REVISIONS	DATE	BY	DESIGNED
			Y. MAHMOODI
			DRAWN Y. MAHMOODI
			CHECKED J. WRIGHT
			APPROVED H. LONGFELLOW

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FILE NAME PS1598158-DT1-4
JOB No. 216-1598-158
DATE JULY 2025



07-29-2025

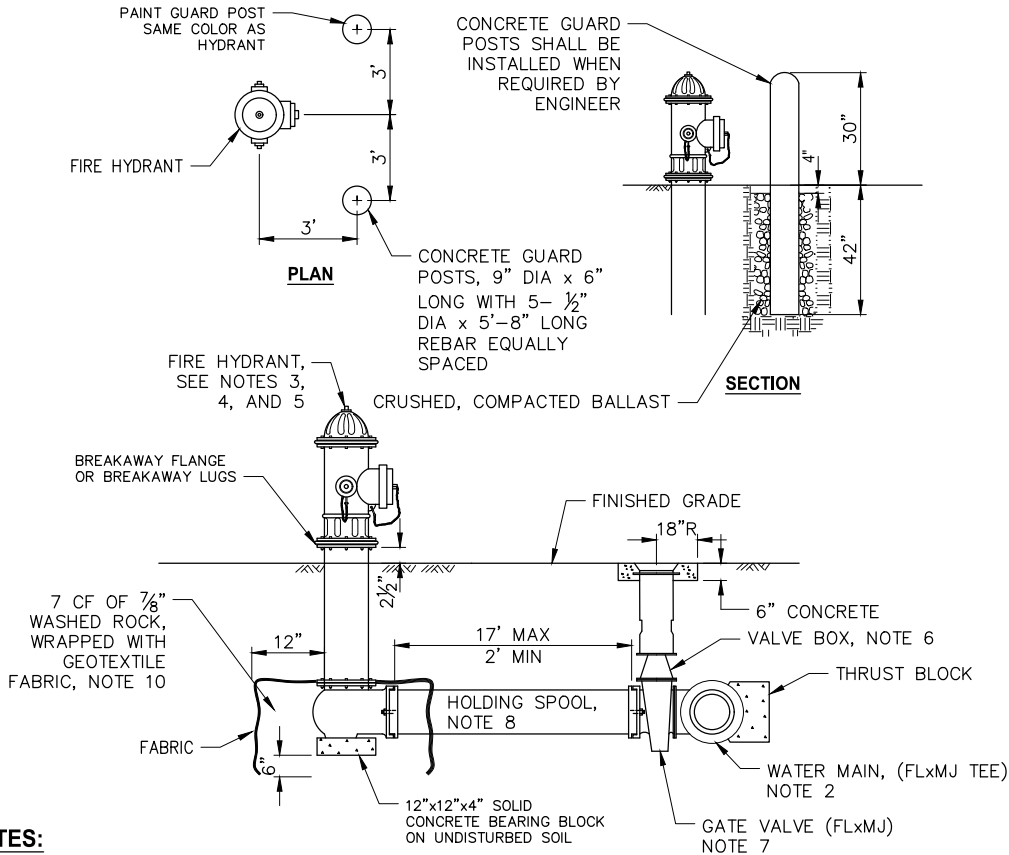
Parametrix
1019 39th Avenue SE, Suite 100 • Puyallup, WA 98374
Ph: 253.604.6600

PROJECT NAME
**THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS**
TULALIP WASHINGTON

WATER DETAILS

DRAWING NO.
47 OF 50
DT1

LAYOUT: DT2
 PATH: \\parametrix.com\pmx\PSO\Projects\Clients\1508 - Tulalip Tribes\1508 - Tulalip Tribes\1508-158 - Tulalip Water System\995vcs\CADD\DWG\Water - Hermosa-Mission-88th-Waterworks
 PLOTTED BY: mahmoudy DATE: Tuesday, July 29, 2025 8:47:12 PM



NOTES:

- ALL MATERIALS AND FITTINGS SHALL BE AS SPECIFIED OR APPROVED EQUAL.
- WATER MAINS SHALL HAVE A MINIMUM COVER OF 42" IN IMPROVED RIGHT-OF-WAY, AND A MINIMUM 48" IN UNIMPROVED RIGHT-OF-WAY AND EASEMENTS.
- THE FIRE HYDRANT AND CONCRETE GUARD POSTS SHALL BE PAINTED, RUST-OLEUM SAFETY YELLOW #7543 (TWO COATS) OR AN APPROVED EQUAL.
- FIRE HYDRANTS SHALL HAVE TWO 2½" HOSE PORTS (NATIONAL STANDARD THREAD) WITH CAPS AND CHAINS AND ONE 4½" PUMPER PORT (TACOMA STEAMER PORT THREAD, STEAMER PORT SHALL FACE THE STREET), 1¼" PENTAGONAL OPERATING NUT (COUNTER-CLOCKWISE OPENING), O-RING TYPE STUFFING BOX, AUTOMATIC BARREL DRAINS AND 5¼" MAIN VALVE OPENING. HYDRANTS SHALL BE DESIGNED IN A MANNER THAT WILL PREVENT BARREL BREAKAGE WHEN STRUCK BY A VEHICLE. HYDRANTS SHALL CONFORM TO THE LATEST REVISION OF AWWA SPECIFICATIONS NO. C 502-73 FOR FIRE HYDRANTS FOR ORDINARY WATER SERVICE. FIRE HYDRANTS SHALL INCLUDE THE ENTIRE ASSEMBLY COMPLETE, INCLUDING HYDRANT, GATE VALVE AND BOX, CONNECTING PIPING FITTINGS AND ACCESSORIES.
- FIRE HYDRANTS SHALL BE M&H, MUELLER CENTURION OR APPROVED EQUAL MEETING REQUIREMENTS OF ANSI/AWWA C502.
- VALVE BOXES SHALL BE TWO-PIECE, ADJUSTABLE, CAST IRON WITH EXTENSION PIECES (IF NECESSARY), AS MANUFACTURED BY THE VANRICH #940 SEATTLE OR APPROVED EQUAL. THE WORD "WATER" SHALL BE CAST IN RELIEF IN THE TOP.
- GATE VALVES SHALL CONFORM TO THE LATEST AWWA SPECIFICATIONS FOR COLD WATER, RESILIENT SEATED WEDGE GATE VALVES, 200 PSI WORKING PRESSURE. THEY SHALL BE IRON-BODIED BRONZE-MOUNTED, NON-RISING STEM, COUNTER-CLOCKWISE OPENING, MECHANICAL JOINT BY FLANGED. VALVE STEMS SHALL BE PROVIDED WITH O-RING SEALS AND SHALL BE AS MANUFACTURED BY THE MUELLER, M&H, OR APPROVED EQUAL.
- THE HOLDING SPOOL SHALL BE A MECHANICAL-JOINT (MJ) HOLDING SPOOL, WITH THE USE OF CLASS 53 DUCTILE IRON PIPE OR THE USE OF LUG STYLE PIPE RESTRAINT CONNECTORS WITH CLASS 53 DUCTILE IRON PIPE (ROMAC ROMAGRIP OR APPROVED EQUAL). EBAA IRON FITTINGS ARE NOT ALLOWED TO BE USED ON THIS PROJECT.
- IF DISTANCE BETWEEN WATER MAIN AND FIRE HYDRANT IS GREATER THAN 17 FEET, RESTRAINED JOINTS ARE REQUIRED FOR EACH ADDITIONAL JOINT. MAXIMUM HYDRANT RUN ALLOWED IS 50 FEET.
- THE CONTRACTOR SHALL PLACE A 6 OZ. GEOTEXTILE FABRIC AROUND THE WASHED ROCK AREA. ENDS TO OVERLAP.
- A FLUORESCENT ORANGE BAG MUST COVER AND BE SECURED TO THE FIRE HYDRANT UNTIL APPROVED FOR USE BY TULALIP TRIBE PUBLIC WORKS.

HYDRANT ASSEMBLY

DETAIL

NO SCALE

3
TYP

REVISIONS	DATE	BY	DESIGNED	DRAWN	CHECKED	APPROVED
			Y. MAHMOODI	Y. MAHMOODI	J. WRIGHT	H. LONGFELLOW

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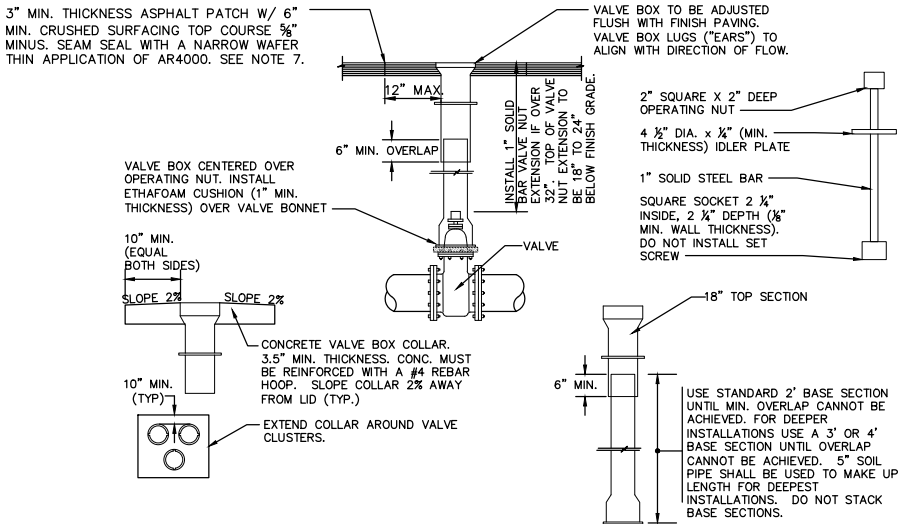
FILE NAME
PS1598158-DT1-4

JOB No.
216-1598-158

DATE
JULY 2025



07-29-2025



VALVE BOX INSTALLATION

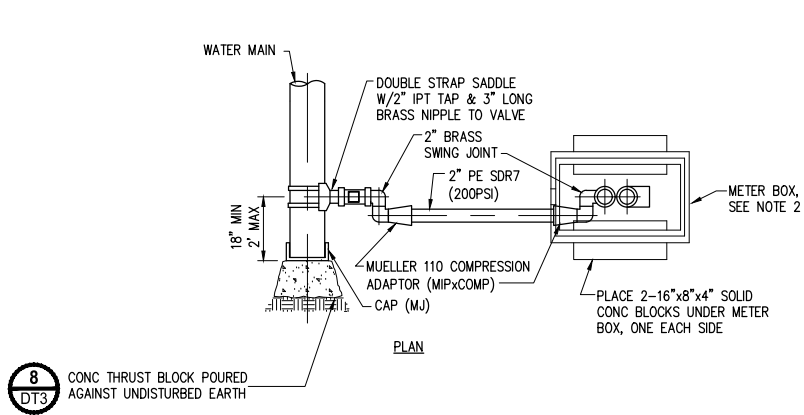
DETAIL

NO SCALE

4
TYP

NOTES:

- VALVE BOX TO BE 045/046 - SEATTLE/TACOMA TOP AND LID.
- VALVE BOX LIDS TO BE 4" DEEP IN TRAFFIC AREAS AND A MIN. OF 3" IN OTHER LOCATIONS. LOCKING VALVE BOX LIDS (AMPRO STYLE 940) REQUIRED IF LIDS WILL NOT STAY PUT DUE TO TRAFFIC.
- SAWCUT VALVE BOX COMPONENTS. BROKEN OR JAGGED VALVE BOX SECTIONS NOT ACCEPTABLE.
- OVERLAY ADJUSTMENT RINGS NOT ALLOWED, UNLESS APPROVED TUA.
- VALVE BOX COLLARS REQUIRED IF VALVE BOX OUT OF PAVING. COLLARS TO BE FLUSH WITH FINISH SURFACE. SLOPE COLLARS AWAY FROM LID @ 2% (TYP.)
- VALVE BOX COLLAR REQUIRED WHEN VALVE BOX OUTSIDE OF PAVING.
- VALVE BOXES SHALL BE ADJUSTED AFTER PAVING AND PATCHED AS SHOWN ABOVE. VALVES CONNECTED TO THE EXISTING SYSTEM SHALL BE MADE ACCESSIBLE AT ALL TIMES.



NOTES:

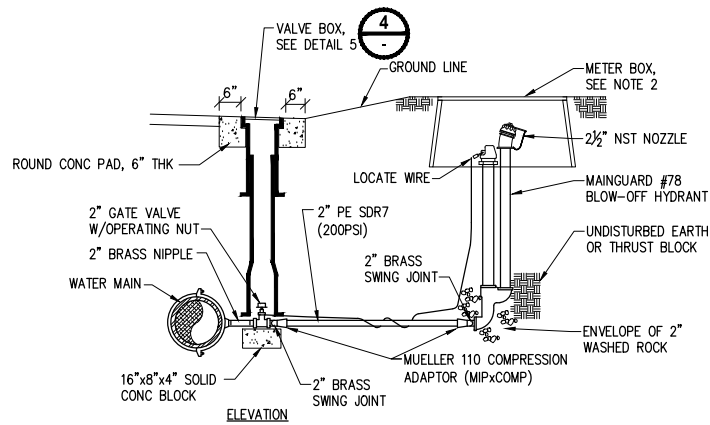
- BLOW-OFF HYDRANTS SHALL BE #78 MAINGUARD HYDRANT (THE KUPFERLE FOUNDRY CO).
- SET UNDERGROUND IN ARMORCAST B36 W/ LID OR EQUIVALENT CARSON HD BOX & LID, (30"x17"x12").
- THE OUTLET SHALL ALSO BE BRONZE AND BE 2-1/2" NST.
- HYDRANTS SHALL BE LOCKABLE TO PREVENT UNAUTHORIZED USE.
- LOCATE WIRE SHALL BE 10 GAUGE WIRE FROM 2" GV TO METER BOX W/ 6" MIN EXPOSED WITHIN BOX.
- THRUST BLOCKS TO BE DETERMINED BY LWD INSPECTOR.
- METER BOX AND HYDRANT SHALL BE INSTALLED OUTSIDE OF CONCRETE AND PAVED SURFACES.

2" BLOWOFF ASSEMBLY

DETAIL

NO SCALE

5
TYP



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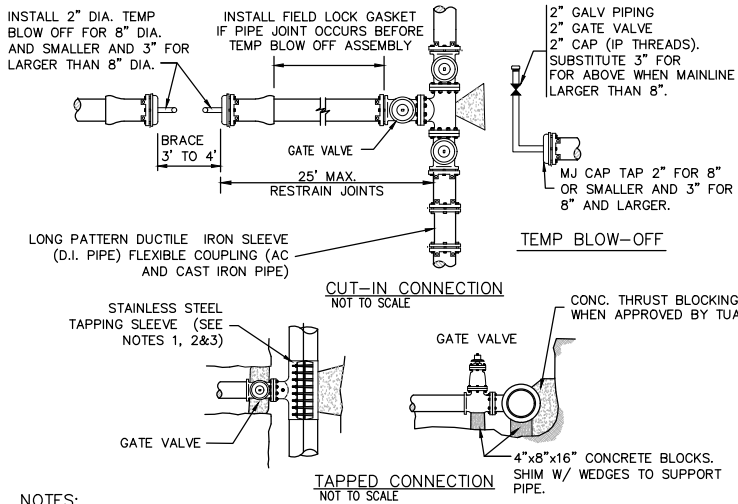
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WATER DETAILS

DRAWING NO.
48 OF 50

DT2

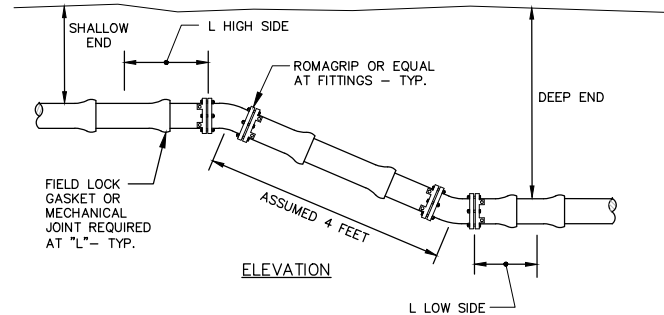
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LAYOUT: DT3
PLOTTED BY: mahmoody DATE: Tuesday, July 29, 2025 8:47:12 PM



- NOTES:
- TAPPED CONNECTIONS NOT ALLOWED WITHOUT SPECIFIC APPROVAL FROM TUA.
 - NO CONNECTION WILL BE ALLOWED UNTIL ALL PRESSURE TESTING COMPLETED, AND SATISFACTORY BACTERIOLOGICAL TEST RECEIVED. SEE CROSS CONNECTION CONTROL SECTION IN SPECIFICATIONS.
 - TAPPING SLEEVE TO BE STAINLESS STEEL FOR AC PIPE AND EPOXY COATED STEEL FOR DUCTILE OR CAST IRON PIPE. CLOSEST EDGE OF TAPPING SLEEVE MUST BE 3" (MIN.) FROM COUPLING ON AC PIPE.
 - SEE DETAILS FOR VALVE BOX, THRUST BLOCKING, PIPE AND FITTING RESTRAINT REQUIREMENTS.
 - BACKFILL PER JURISDICTIONAL REQUIREMENTS WHEN IN ASPHALT. ALL OTHER AREAS PER THE STANDARD SPECIFICATIONS.
 - TEMP BLOW OFF'S MUST BE PROTECTED FROM DAMAGE. PLACE IN TRAFFIC BOX IF REQUIRED.
 - WATER OUTAGE ONLY ALLOWED TUESDAY THROUGH THURSDAY 9:00AM TO 3:00PM. (7) WORKING DAYS NOTICE REQUIRED.
 - ALL MJ JOINTS TO BE ROMAC OR EQUAL.
 - SIMILAR TEMP B.O. REQUIREMENTS FOR TAPPED CONNECTIONS. LOCATE BLOW OFF OUT OF ASPH. WHEN POSSIBLE.
 - ALL FITTINGS AND PIPE SHALL BE STERILE SWABBED. CONNECTION SHALL BE INSPECTED FOR VISUAL LEAKAGE UNDER FULL LINE PRESSURE PRIOR TO BACKFILL.

CONNECTION REQUIREMENTS
DETAIL 6

NO SCALE TYP



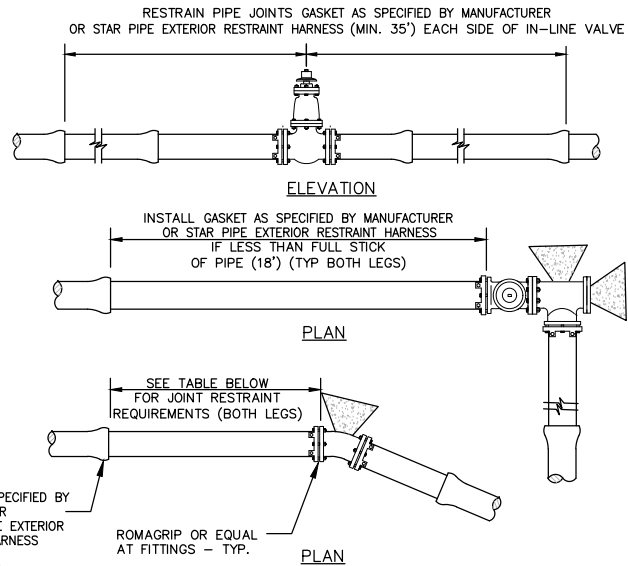
PIPE SIZE	45°		22.5°		11.25°	
	HIGH SIDE	LOW SIDE	HIGH SIDE	LOW SIDE	HIGH SIDE	LOW SIDE
6"	80	37	37	17	16	7
8"	104	49	49	22	23	10
10"	126	59	59	27	28	13
12"	148	69	70	32	34	15

NOTES:

- RESTRAINED LENGTH SHALL BE ADJUSTED IF CONDITIONS DIFFER FROM ASSUMPTIONS.
 - IF RESTRAINED LENGTH SHOWN IS NOT ACHIEVABLE, THRUST BLOCKS SHALL ALSO BE USED. CONTACT DISTRICT FOR THRUST BLOCKING DETAIL.
 - ALL PIPE BETWEEN VERTICAL BENDS SHALL BE RESTRAINED.
 - RESTRAINED LENGTHS CAN BE ADJUSTED WITH SITE SPECIFIC SOILS INFORMATION, ENGINEER DESIGN AND DISTRICT APPROVAL.
 - 90° VERTICAL BENDS ARE NOT ALLOWED.
 - MULTIPLE FITTINGS IN MULTIPLE PLANES SHALL BE DESIGNED AND STAMPED ON AN INDIVIDUAL BASIS BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF WASHINGTON.
- ASSUMPTIONS:
- TEST PRESSURE 250 PSI.
 - LAYING CONDITION 3.
 - SAND-SILT SOIL DESIGNATION.
 - SHALLOW END COVER ON 6", 8", 10" & 12" DIA. AT 3 FEET.
 - LENGTH BETWEEN FITTINGS ASSUMED TO BE 4 FEET SO KNOWN LENGTH IS 2 FEET.
 - SAFETY FACTOR 1.5
 - VALUES DEVELOPED WITH DIPRA THRUST RESTRAINT CALCULATOR.

VERTICAL BEND RESTRAINT
DETAIL 9

NO SCALE TYP



PIPE SIZE	90°		45°		22.5°	
	TEE OR PLUG	90°	45°	22.5°	11.25°	
6"	99	48	20	10	5	
8"	128	61	25	12	6	
10"	154	73	30	15	7	
12"	181	86	35	17	8	

NOTES:

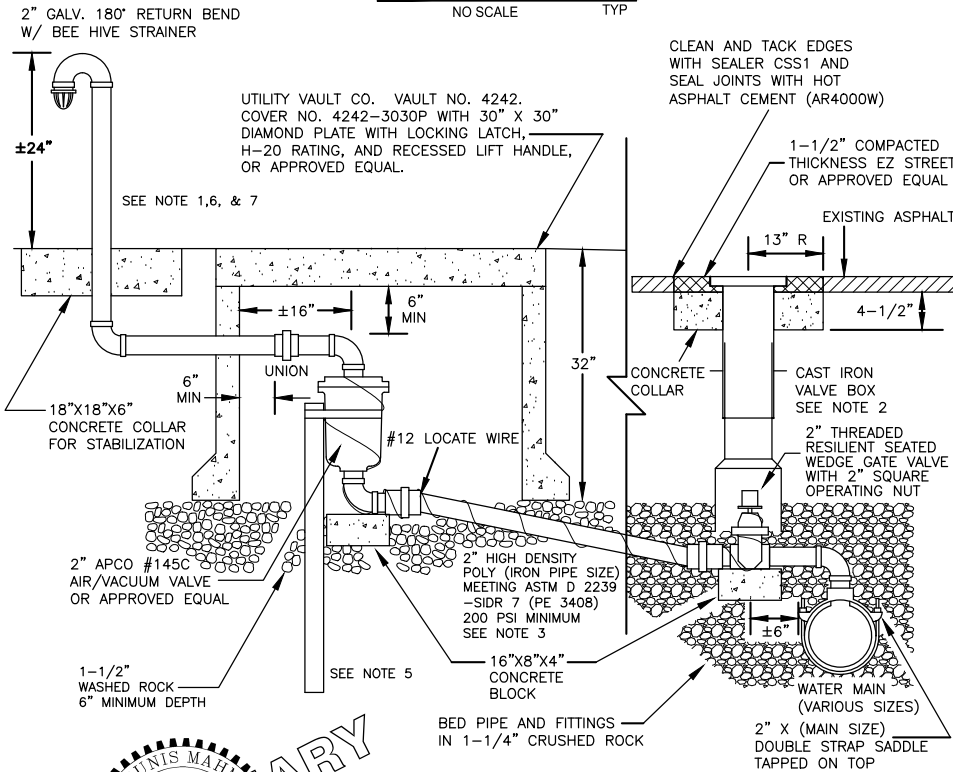
- RESTRAINED LENGTH SHALL BE ADJUSTED IF CONDITIONS DIFFER FROM ASSUMPTIONS.
- IF RESTRAINED LENGTH SHOWN IS NOT ACHIEVABLE, THRUST BLOCKS SHALL ALSO BE USED. SEE DETAIL 8 THIS SHEET.
- RESTRAINED LENGTHS CAN BE ADJUSTED WITH SITE SPECIFIC SOILS INFORMATION, ENGINEER DESIGN AND TUA APPROVAL.
- MULTIPLE FITTINGS IN MULTIPLE PLANES SHALL BE DESIGNED AND STAMPED ON AN INDIVIDUAL BASIS BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF WASHINGTON.
- LUG STYLE PIPE RESTRAINT (ROMAC ROMAGRIP OR APPROVED EQUAL) SHALL BE INSTALLED ON ALL MECHANICAL JOINTS. EBAA IRON FITTINGS ARE NOT ALLOWED TO BE USED ON THIS PROJECT.

ASSUMPTIONS:

- TEST PRESSURE 250 PSI.
- LAYING CONDITION 3.
- SAND-SILT SOIL DESIGNATION.
- COVER ON 6" & 8" DIA. AT 3 FEET.
- SAFETY FACTOR 1.5
- VALUES DEVELOPED WITH DIPRA THRUST RESTRAINT CALCULATOR.

PIPE AND FITTING
RESTRAINT REQUIREMENTS
DETAIL 7

NO SCALE TYP



2" COMBINATION AIR RELEASE / AIR VACUUM VALVE ASSEMBLY
DETAIL 10

NO SCALE TYP

NOTES:

- ALL FITTINGS FROM THE WATER MAIN TO THE BOTTOM OF THE AIR/VACUUM VALVE SHALL BE BRASS. ALL FITTINGS ABOVE THE AIR/VACUUM VALVE SHALL BE GALVANIZED STEEL. WRAP GALVANIZED PIPE BELOW GROUND WITH 3M TAPE OR EQUAL TO 1" ABOVE GROUND LEVEL.
- VALVE BOXES SHALL BE TWO-PIECE, ADJUSTABLE, CAST IRON WITH EXTENSION PIECE (IF NECESSARY). VALVE BOX TO BE 045/046 - SEATTLE/TACOMA TOP AND LID. THE WORD "WATER" SHALL BE CAST IN RELIEF IN THE TOP.
- 2" HIGH DENSITY POLY PIPE SHALL MAINTAIN A MINIMUM ONE-DEGREE RISE FROM THE WATER MAIN TO THE AIR/VACUUM VALVE.
- AIR/VACUUM VALVE VAULT AND VENT RISER TO BE INSTALLED OUT OF THE STREET. EXACT LOCATION TO BE DETERMINED BY THE OWNER'S REPRESENTATIVE.
- TO STABILIZE AIR/VACUUM VALVE, BURY 2" GALVANIZED PIPE ALONG SIDE VALVE. SECURE WITH STAINLESS STEEL STRAP. SET TOP OF GALVANIZED PIPE 2" BELOW AIR/VACUUM FLANGE.
- VENT RISER AND RETURN BEND SHALL BE PAINTED, RUST-OLEUM SAFETY YELLOW #7543 OR APPROVED EQUAL.
- IF NEW PLAT, INCLUDE EASEMENT BEHIND SIDEWALK FOR VENT RISER. VENT RISER SHALL BE NO MORE THAN 2' BEHIND SIDEWALK.



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			Y. MAHMOODI
			CHECKED
			J. WRIGHT
			APPROVED
			H. LONGFELLOW

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JOB No.	216-1598-158
DATE	JULY 2025



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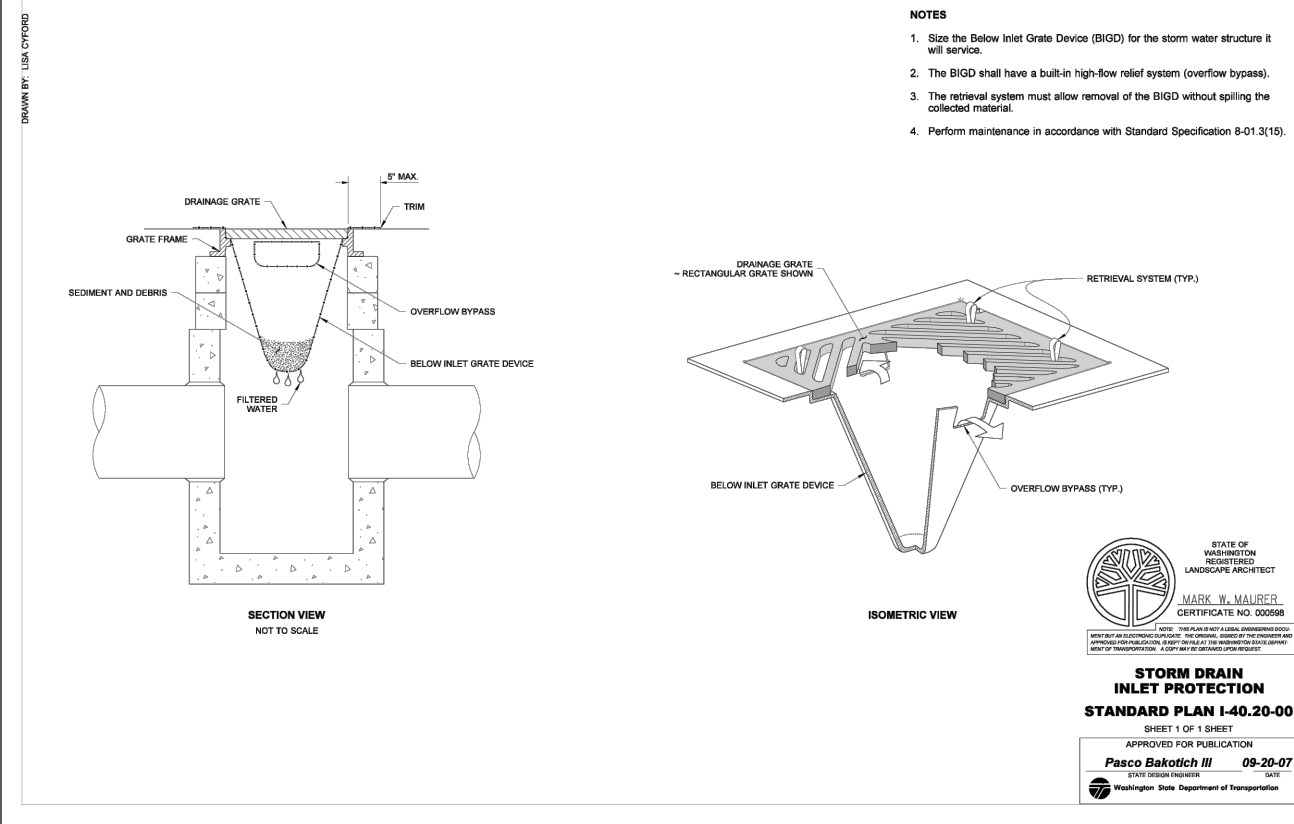
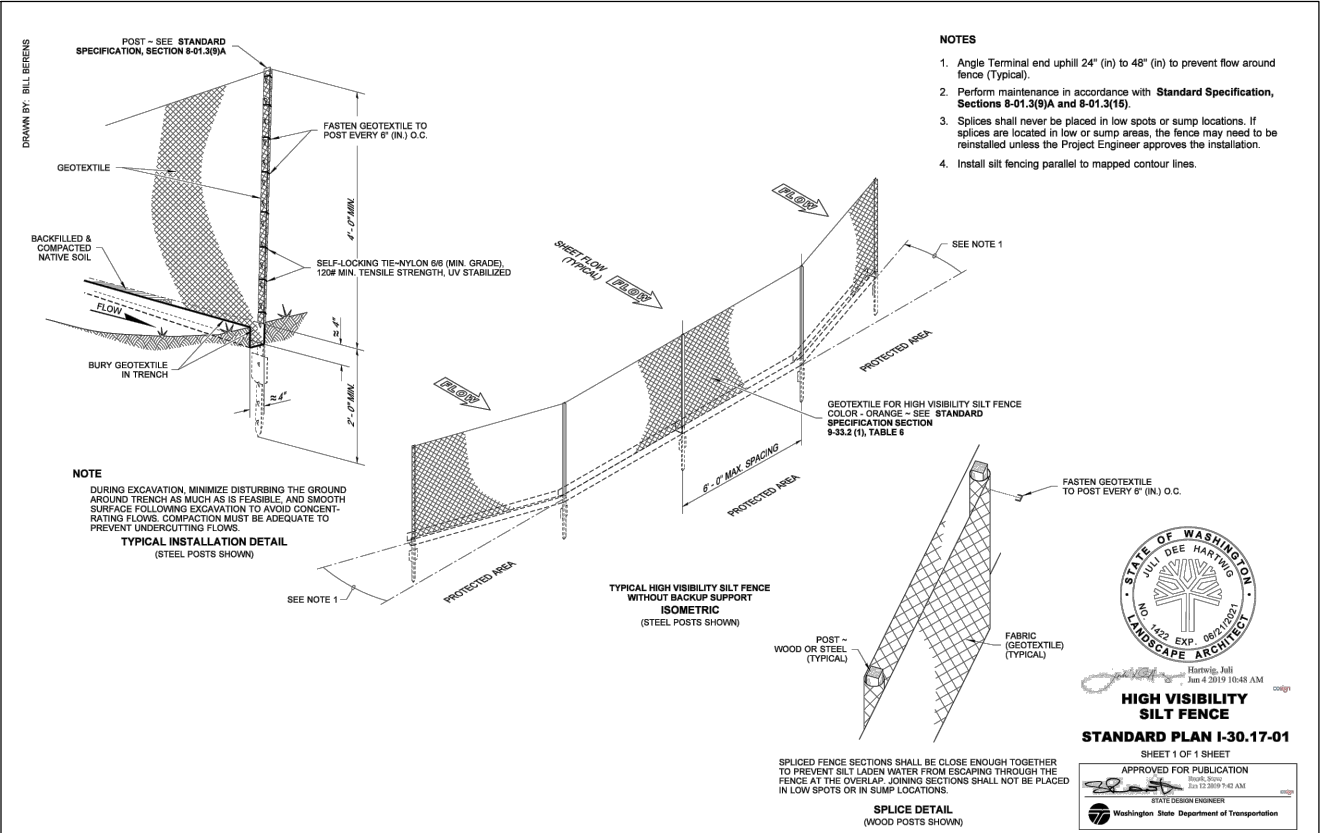
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THE TULALIP TRIBES 2023 WATER SYSTEM IMPROVEMENTS TULALIP WASHINGTON

WATER DETAILS

DRAWING NO.
49 OF 50

DT3

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EROSION/SEDIMENTATION CONTROL NOTES

1. CONTRACTOR SHALL SUBMIT A TEMPORARY WATER POLLUTION/EROSION CONTROL PLAN PER THE CONTRACT PROVISIONS.
2. ALL LIMITS OF CLEARING AND AREAS OF VEGETATION PRESERVATION SHALL BE OBSERVED DURING CONSTRUCTION.
3. ALL REQUIRED SEDIMENTATION/EROSION CONTROL FACILITIES SHALL BE IN OPERATION PRIOR TO LAND CLEARING AND/OR OTHER CONSTRUCTION ACTIVITIES TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE EXISTING DRAINAGE SYSTEM. ALL EROSION AND SEDIMENT FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT AND ADDITIONS TO EROSION/SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. THE EROSION AND SEDIMENTATION CONTROL SYSTEMS DEPICTED ON THIS DRAWING ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND AS UNEXPECTED OR SEASONAL CONDITIONS DICTATE, THE CONTRACTOR SHOULD ANTICIPATE THAT MORE EROSION AND SEDIMENTATION CONTROL FACILITIES WILL BE NECESSARY TO ENSURE COMPLETE SILTATION CONTROL ON THE PROPOSED SITE. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE THE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES AND THE WATER QUALITY OF THE RECEIVING DRAINAGE SYSTEM.
5. AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND DISPOSING OF THE SEDIMENT. ALL STORM DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS SHALL BE CLEANED AFTER COMPLETION OF THE PROJECT.
6. THE CONTRACTOR SHALL REMOVE MATERIAL DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO THE RIGHT-OF-WAY OR INTO THE EXISTING STORM DRAINAGE SYSTEM. DEBRIS SHALL NOT BE WASHED INTO THE STORM DRAINAGE SYSTEM.
7. TEMPORARY EROSION CONTROL FACILITIES SHALL BE INSPECTED WEEKLY AND MAINTAINED WITHIN 24 HOURS FOLLOWING A STORM EVENT. SEDIMENT SHALL BE REMOVED TO INSURE THE FACILITIES WILL FUNCTION PROPERLY. THE FACILITIES SHALL BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED.
8. ALL STORM DRAIN INLETS MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT STORM WATER RUNOFF SHALL NOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
9. NO DISTURBED SOIL SHALL REMAIN UNSTABILIZED FOR MORE THAN SEVEN CALENDAR DAYS.



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			Y. MAHMOODI
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			J. WRIGHT
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**THE TULALIP TRIBES
2023 WATER SYSTEM IMPROVEMENTS**

TULALIP WASHINGTON

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50 OF 50

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