

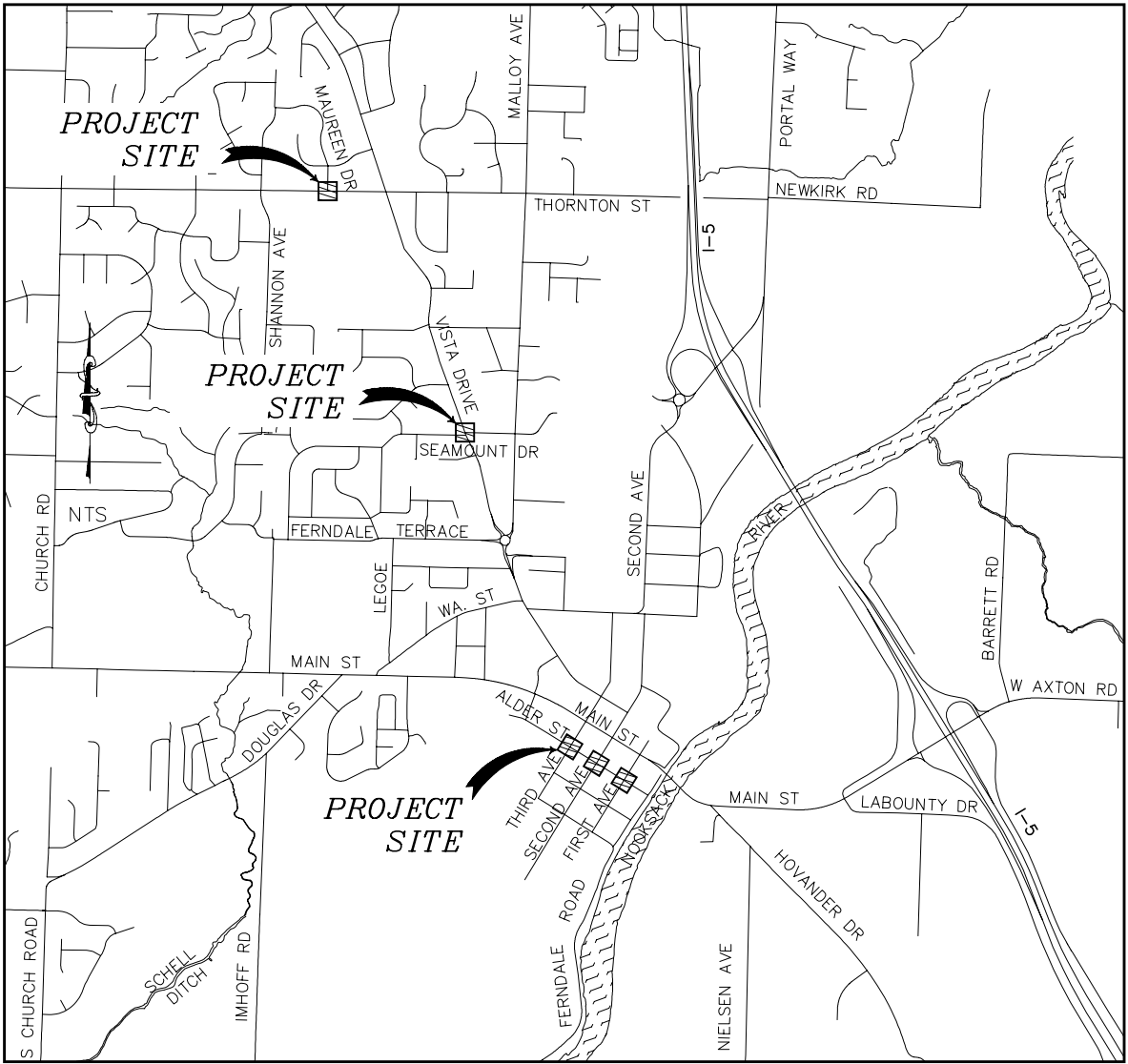
COMPLETE STREETS

FERNDALE WA

CITY - PROJECT NO. ST2019-02
TIB PROJECT NO. C-W-985(001)-1

VICINITY MAP

PROJECT LOCATED IN SECTIONS 18, 19 & 29, TOWNSHIP 39, RANGE 02, W.M.



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11/9/21 AS-BUILT

DESIGNED BY
OAM
DRAWN BY
LMH
CHECKED BY
LP
R&E Reichhardt & Ebe
ENGINEERING INC
P.O. Box 978 | 423 Front Street
Lynden, WA 98264 (360) 354-3687

NO.	DATE	DESCRIPTION	BY

CITY OF FERNDALE
2095 MAIN ST
FERNDALE, WA 98226

COMPLETE STREETS

COVER

DWG 19024 PLOT

JOB#

19024

SCALE

H: N/A

V: N/A

DATE

9/23/20

SHEET

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of 23

LEGEND

EXISTING		PROPOSED	
	= EXISTING TOP OF BANK		= PROPOSED TOP OF BANK
	= EXISTING BOTTOM OF BANK		= PROPOSED BOTTOM OF BANK
	= EXISTING DITCH		= PROPOSED DITCH
	= EXISTING GRADE BREAK		= PROPOSED GRADE BREAK
	= EXISTING MAJOR CONTOUR		= PROPOSED MAJOR CONTOUR
	= EXISTING MINOR CONTOUR		= PROPOSED MINOR CONTOUR
	= EXISTING GUARDRAIL		= PROPOSED GUARDRAIL
	= EXISTING FENCE		= PROPOSED FENCE
	= EXISTING HANDRAIL		= PROPOSED HANDRAIL
	= EXISTING GRAVEL		= PROPOSED GRAVEL
	= EXISTING WALL		= PROPOSED WALL
	= EXISTING BUILDING		= PROPOSED BUILDING
	= EXISTING PROPERTY BOUNDARY		= PROPOSED PAVEMENT VALLEY
	= EXISTING RIGHT OF WAY		= PROPOSED RIGHT OF WAY
	= EXISTING EASEMENT		= PROPOSED CONSTRUCTION EASEMENT
	= EXISTING SECTION LINE		= PROPOSED ROAD
	= EXISTING ROAD		= PROPOSED SAWCUT
	= EXISTING WETLANDS BOUNDARY		= PROPOSED STRIPE
	= EXISTING STRIPE		= PROPOSED EDGE OF PAVEMENT
	= EXISTING EDGE OF PAVEMENT		= PROPOSED CURB AND GUTTER
	= EXISTING FLOWLINE		= PROPOSED PATH
	= EXISTING TOP BACK OF CURB		= PROPOSED SIDEWALK
	= EXISTING SIDEWALK		= PROPOSED BURIED POWER
	= EXISTING BURIED POWER		= PROPOSED OVERHEAD POWER
	= EXISTING OVERHEAD POWER		= PROPOSED TS
	= EXISTING BURIED COMMUNICATIONS		= PROPOSED FO
	= EXISTING OVERHEAD COMMUNICATIONS		= PROPOSED UGC
	= EXISTING BURIED FIBER OPTICS		= PROPOSED OHC
	= EXISTING BURIED TV		= PROPOSED HVSF
	= EXISTING BURIED TELEPHONE		= PROPOSED SF
	= EXISTING CONDUIT		= PROPOSED C
	= EXISTING GAS MAIN		= PROPOSED IRR
	= EXISTING WATER MAIN		= PROPOSED W
	= EXISTING IRRIGATION LINE		= PROPOSED FM
	= EXISTING SANITARY SEWER FORCE MAIN		= PROPOSED SS
	= EXISTING SANITARY SEWER		= PROPOSED SD
	= EXISTING STORM DRAIN		= PROPOSED CULVERT
	= EXISTING ORDINARY HIGH WATER		= PROPOSED TREE/SHRUB LINE
	= EXISTING RR TRACKS		= PROPOSED CONC. SIDEWALK/DRIVEWAY
	= EXISTING CULVERT		= PROPOSED TOPSOIL
	= EXISTING TREE LINE		= PROPOSED SEEDED LAWN
	= EXISTING CONCRETE		= PROPOSED PLANING
			= PROPOSED DEMOLITION AREA
			= PROPOSED ASPHALT
			= PROPOSED CLEARING AND GRUBBING LIMITS

EXISTING		PROPOSED	
	= EXISTING SIGNAL POLE		= PROPOSED HYDRANT
	= EXISTING SIGNAL POLE W/ LUMINAIRE		= PROPOSED COUPLER
	= EXISTING STREET LIGHT ASSEMBLY		= PROPOSED WATER METER
	= EXISTING YARD LIGHT		= PROPOSED WATER VALVE
	= EXISTING GUY WIRE		= PROPOSED RIP RAP OR QUARRY SPALLS
	= EXISTING TRANSFORMER PAD		= PROPOSED STORM AREA DRAIN
	= EXISTING POWER VAULT		= PROPOSED STORM DRAIN CATCH BASIN TYPE I/INLET
	= EXISTING JBOX		= PROPOSED STORM DRAIN CATCH BASIN TYPE II
	= EXISTING UTILITY POLE		= PROPOSED STORM CLEANOUT
	= EXISTING TRAFFIC SIGNAL VAULT		= PROPOSED SANITARY SEWER CLEAN OUT
	= EXISTING GAS METER		= PROPOSED SANITARY SEWER MANHOLE
	= EXISTING GAS VALVE		= PROPOSED UTILITY POLE
	= EXISTING TELEPHONE PEDESTAL		= PROPOSED JBOX (TYPE I, II, III)
	= EXISTING COMMUNICATIONS VAULT		= PROPOSED MONITORING WELL
	= EXISTING WATER SPIGOT		= PROPOSED STOP BAR OR CROSSWALK
	= EXISTING WATER BLOW OFF		= PROPOSED SIGN
	= EXISTING WATER METER		= FLOW ARROW
	= EXISTING WATER VALVE		= PROPOSED ROCK WALL
	= EXISTING FIRE HYDRANT		= PROPOSED TREE
	= EXISTING RIP RAP OR QUARRY SPALLS		
	= EXISTING STORM AREA DRAIN		
	= EXISTING STORM DRAIN CATCH BASIN TYPE I/INLET		
	= EXISTING STORM DRAIN CATCH BASIN TYPE II		
	= EXISTING SEWER CLEANOUT		
	= EXISTING SEWER MANHOLE		
	= EXISTING SOIL BORING LOCATION		
	= EXISTING MONITORING WELL		
	= EXISTING STOP BAR OR CROSSWALK		
	= EXISTING SIGN		
	= EXISTING BENCH MARK		
	= EXISTING NAIL AND SHINER		
	= EXISTING IRON PIPE		
	= EXISTING MONUMENT (IN CASE)		
	= EXISTING MONUMENT (SURFACE)		
	= EXISTING ANGLE POINT		
	= EXISTING ROCK WALL		
	= EXISTING TREE STUMP		
	= EXISTING SHRUB		
	= EXISTING TREE		

ABBREVIATIONS

A	= DELTA	EX, EXIST	= EXISTING	MPOC	= MID-POINT ON CURVE	SD	= STORM DRAIN
#	= DIAMETER	IR	= EXISTING IRRIGATION	MTR	= METER	SDCO	= STORM DRAIN CLEAN OUT
ASPH	= ASPHALT	F&C	= FRAME & COVER	MW	= MONITORING WELL	SDCB	= STORM DRAIN CATCH BASIN
BLDG	= BUILDING	F&G	= FRAME & GRATE	N	= NORTH	SDMH	= STORM DRAIN MANHOLE
BVCE	= BEGIN VERTICAL CURVE ELEVATION	FF	= FINISHED FLOOR	N/A	= NOT APPLICABLE	SE	= SOUTHEAST
BVCS	= BEGIN VERTICAL CURVE STATION	FG	= FINISHED GRADE	NE	= NORTHEAST	SN	= EXISTING SIGN
C&G	= CURB & GUTTER	FL	= FLOWLINE	NW	= NORTHWEST	SP	= STANDARD PLAN
CATV	= CABLE TELEVISION	FND	= FOUND	NTS	= NOT TO SCALE	SSCO	= SANITARY SEWER CLEAN OUT
CD	= CONTROLLED DENSITY FILL	FT	= FEET	OC	= ON CENTER	SSMH	= SANITARY SEWER MANHOLE
CL	= CENTERLINE	FT/FT	= FEET PER FOOT	PVMNT	= PAVEMENT	STA	= STATION
CL	= CLASS	GALV	= GALVANIZED	PC	= POINT OF CURVATURE	STD	= STANDARD
CMF	= CORRUGATED METAL PIPE	GRVL	= GRAVEL	PCC	= POINT OF COMPOUND CURVATURE, PORTLAND CEMENT CONCRETE	SW	= SOUTHWEST
CMU	= CONCRETE MASONRY UNIT	GV	= GATE VALVE	PED	= PEDESTAL	TBC	= TOP BACK OF CONCRETE
COMP	= COMPACTED	HDPE	= HIGH DENSITY POLYETHYLENE	POC	= POINT ON CURVE	TEL	= TELEPHONE
CON	= CONIFER	HMA	= HOT MIX ASPHALT	POSS	= POSSIBLE	TL	= TRAFFIC LOOP
CONC	= CONCRETE	HP	= HIGH POINT	PRC	= POINT OF REVERSE CURVE	TYP	= TYPICAL
CONT	= CONTOUR	HYD	= HYDRANT	PROP	= PROPOSED	UP	= UTILITY POLE
CPSSP	= CORRUGATED POLYETHYLENE STORM SEWER PIPE	IE, INV	= INVERT ELEVATION	PT	= POINT OF TANGENCY	UTIL	= UTILITY
CULV	= CULVERT	IW	= INJECTION WELL	PVC	= POLYVINYL CHLORIDE	VC	= VERTICAL CURVE
D/W	= DRIVEWAY	L	= LENGTH	PVI	= POINT OF VERTICAL INTERSECTION	VLT	= VAULT
DEC	= DECIDUOUS	LDSC	= LANDSCAPING	PWR	= POWER	VPC	= VERTICAL POINT OF CURVATURE
DI	= DUCTILE IRON	LF	= LINEAR FEET	R	= RADIUS	VPI	= VERTICAL POINT OF INTERSECTION
E	= EAST	LOC	= LOCATION	R&C	= RING & COVER	VPT	= VERTICAL POINT OF TANGENCY
EL	= ELEVATION	LP	= LOW POINT	RET	= RETAINING	W	= WEST
EOP, EP	= EDGE OF PAVEMENT	LT	= LEFT	ROW	= RIGHT OF WAY	WM	= WATER METER / WATER MAIN
EQUIV	= EQUIVALENT	MAX	= MAXIMUM	RRFB	= RECTANGULAR RAPID FLASH BEACON	WSDOT	= WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
EVCE	= END VERTICAL CURVE ELEVATION	MIN	= MINIMUM	RT	= RIGHT		
EVCS	= END VERTICAL CURVE STATION	MJ	= MECHANICAL JOINT	S	= SOUTH		
		MOD	= MODIFIED	SCH	= SCHEDULE		
		MON	= MONUMENT				

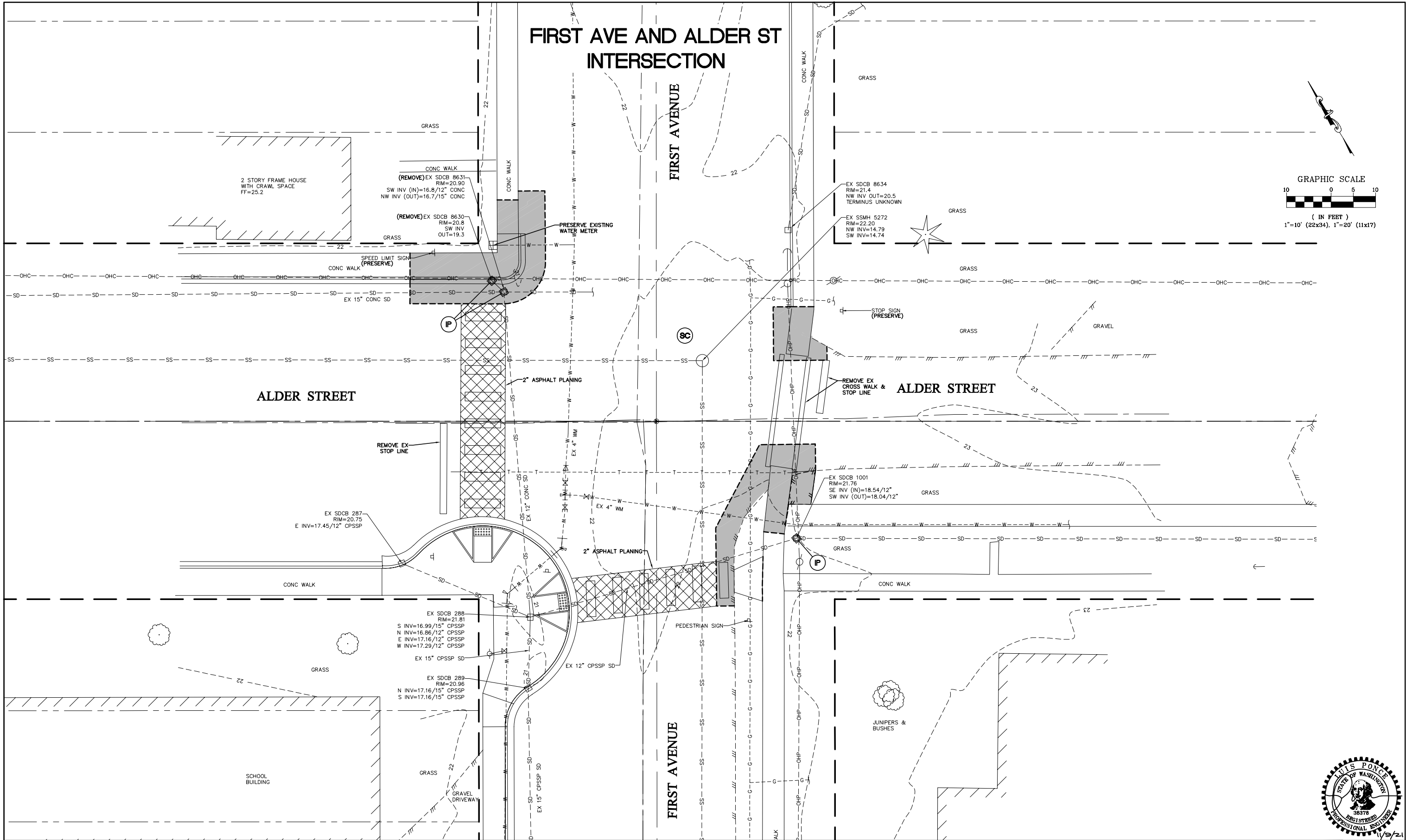
EROSION CONTROL LEGEND

WASHINGTON STATE DEPT. OF ECOLOGY
BEST MANAGEMENT PRACTICES (BMP)
REF.: STORMWATER MANAGEMENT MANUAL
FOR WESTERN WASHINGTON, 2012

- NOTES:
- BMP C120 (PERMANENT SEEDING) AND BMP C130 (SURFACE ROUGHENING) SHOWN IN LANDSCAPING AND PLANTING PLAN.
 - SEE TESC DETAILS AND TESC GENERAL NOTES, SHEET 18
 - GENERALLY THE SILT FENCE AND CLEARING LIMITS FOLLOW THE RIGHT OF WAY OR CONSTRUCTION EASEMENTS UNLESS OTHERWISE DRAWN ON THE PLANS. THERE ARE AREAS WHERE THE HIGH VISIBILITY SILT FENCE IS DELINEATING THE MAXIMUM EXTENT OF WETLAND IMPACTS.

- = BMP C220: INLET PROTECTION - CB INSERT - SEE DETAIL SHEET 18
- = BMP C208: GEOTEXTILE ENCASED CHECK DAM - SEE DETAIL SHEET 18
- = BMP C105 AND C140: STREET CLEANING





11/9/21
AS-BUILT

DESIGNED BY
OAM
DRAWN BY
LMH
CHECKED BY
LP



Reichhardt & Ebe
ENGINEERING INC
P.O. Box 978 | 423 Front Street
Lynden, WA 98264 (360) 354-3687

NO.	DATE	DESCRIPTION	BY

CITY OF FERNDAL
2095 MAIN ST
FERNDAL, WA 98226

COMPLETE STREETS

EX COND, DEMO AND TESC - 1ST AND ALDER

DWG 19024 PLOT

JOB#

19024

SCALE

H: 1"=10'

V: N/A

DATE

9/23/20

SHEET

3
of 23



FIRST AVENUE

ALDER STREET

ALDER STREET

FIRST AVENUE

1/9/21 AS-BUILT

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COMPLETE STREETS

PLAN - 1ST AND ALDER

DWG 19024 PLOT

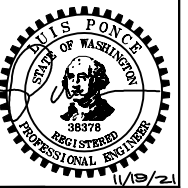
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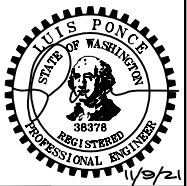
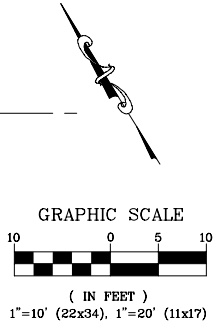
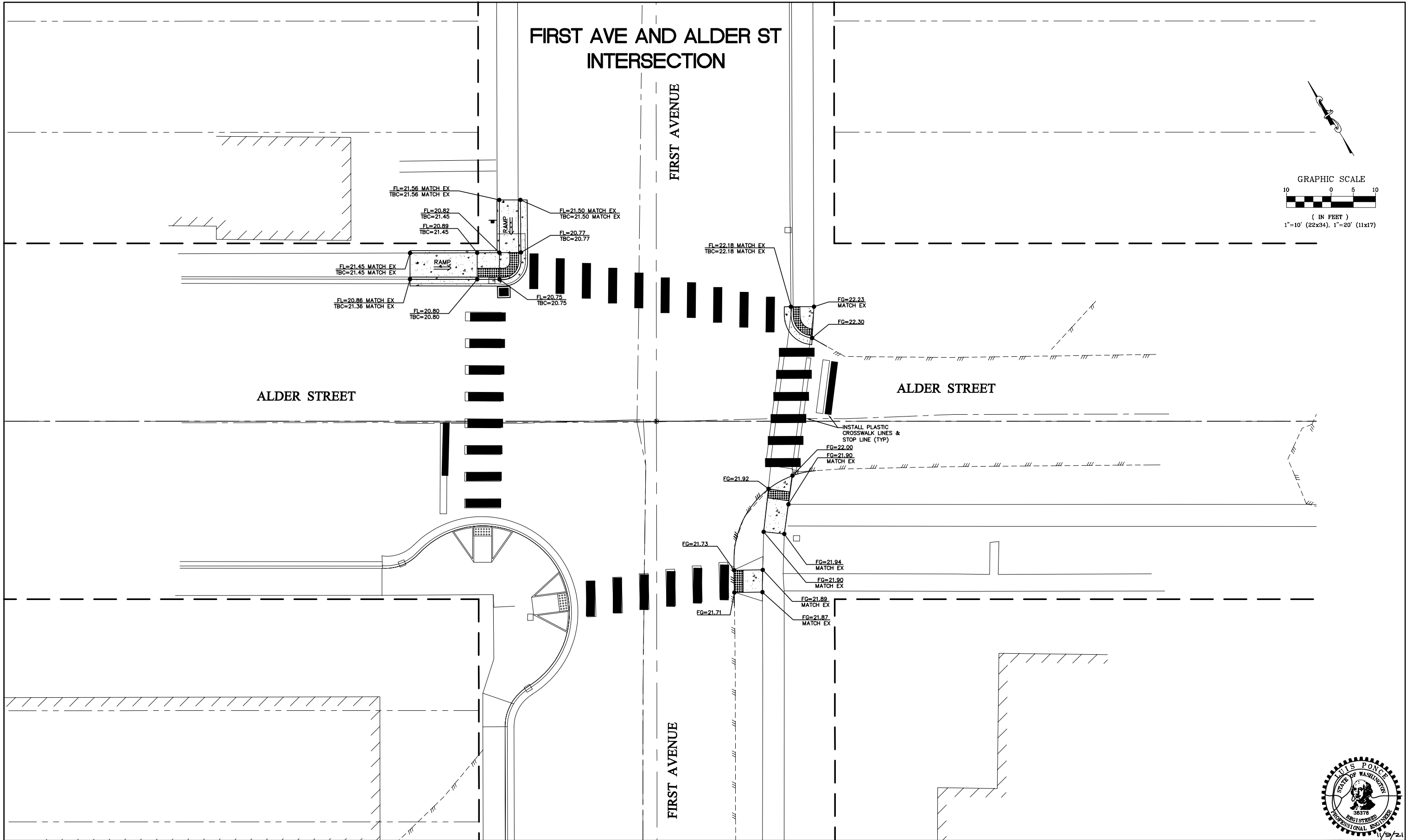
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SHEET 4 of 23



1/19/21

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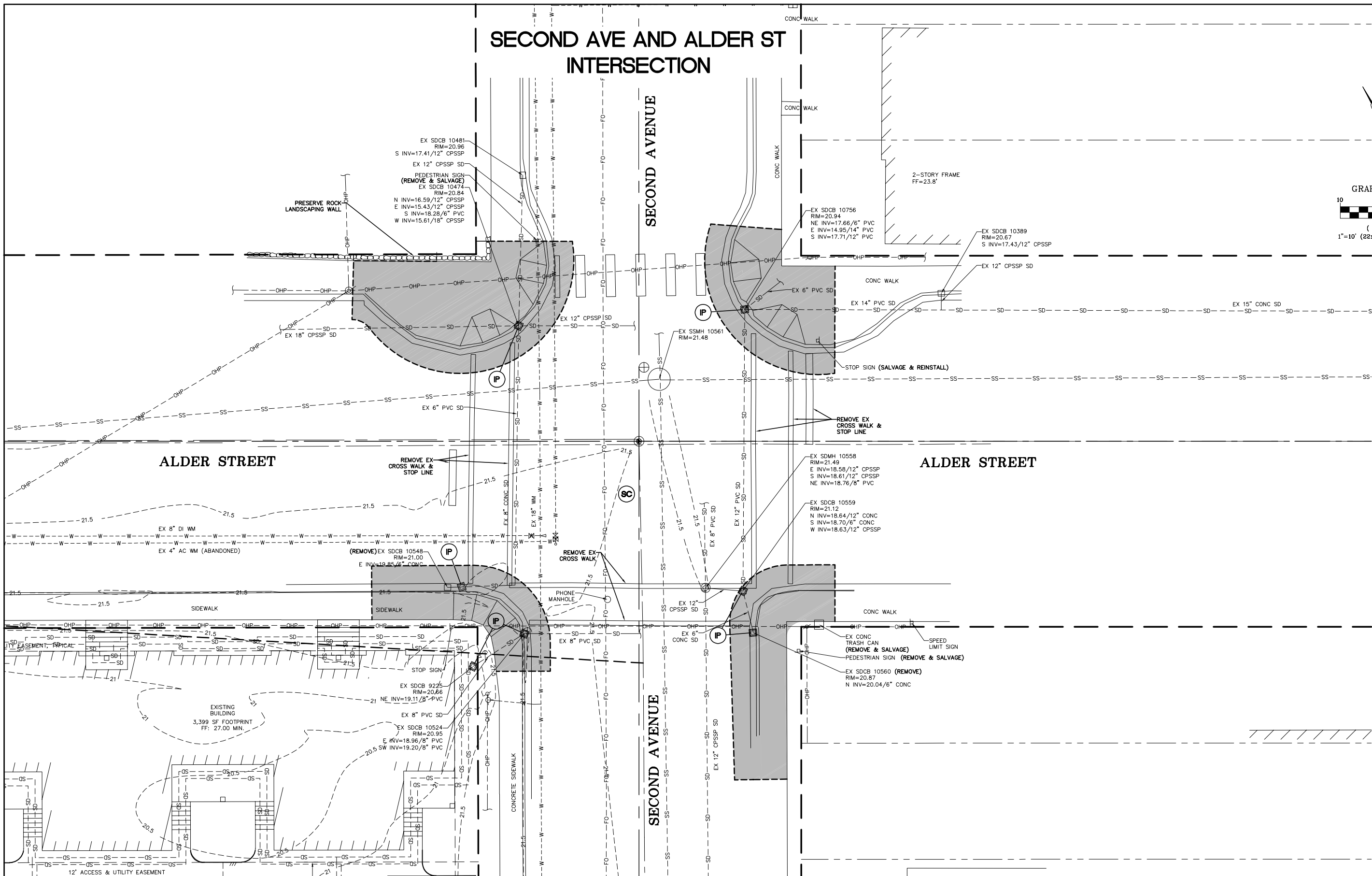
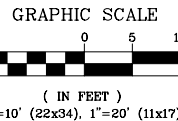
11/9/21 AS-BUILT		DESIGNED BY OAM DRAWN BY LMH CHECKED BY LP	R&E Reichhardt & Ebe ENGINEERING INC P.O. Box 978 423 Front Street Lynden, WA 98264 (360) 354-3687	NO.	DATE	DESCRIPTION	BY	CITY OF FERNDALE 2095 MAIN ST FERNDALE, WA 98226	COMPLETE STREETS GRADING AND CHANNELIZATION- 1ST AND ALDER	DWG 19024 PLOT JOB# 19024	SCALE H: 1"=10' V: N/A	DATE 9/23/20 SHEET 5 of 23
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SECOND AVE AND ALDER ST INTERSECTION

SECOND AVENUE

ALDER STREET

SECOND AVENUE



11/9/21
AS-BUILT

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2095 MAIN ST
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COMPLETE STREETS

EX COND, DEMO AND TESC - 2ND AND ALDER

DWG 19024 PLOT

JOB#

19024

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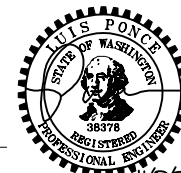
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9/23/20

SHEET

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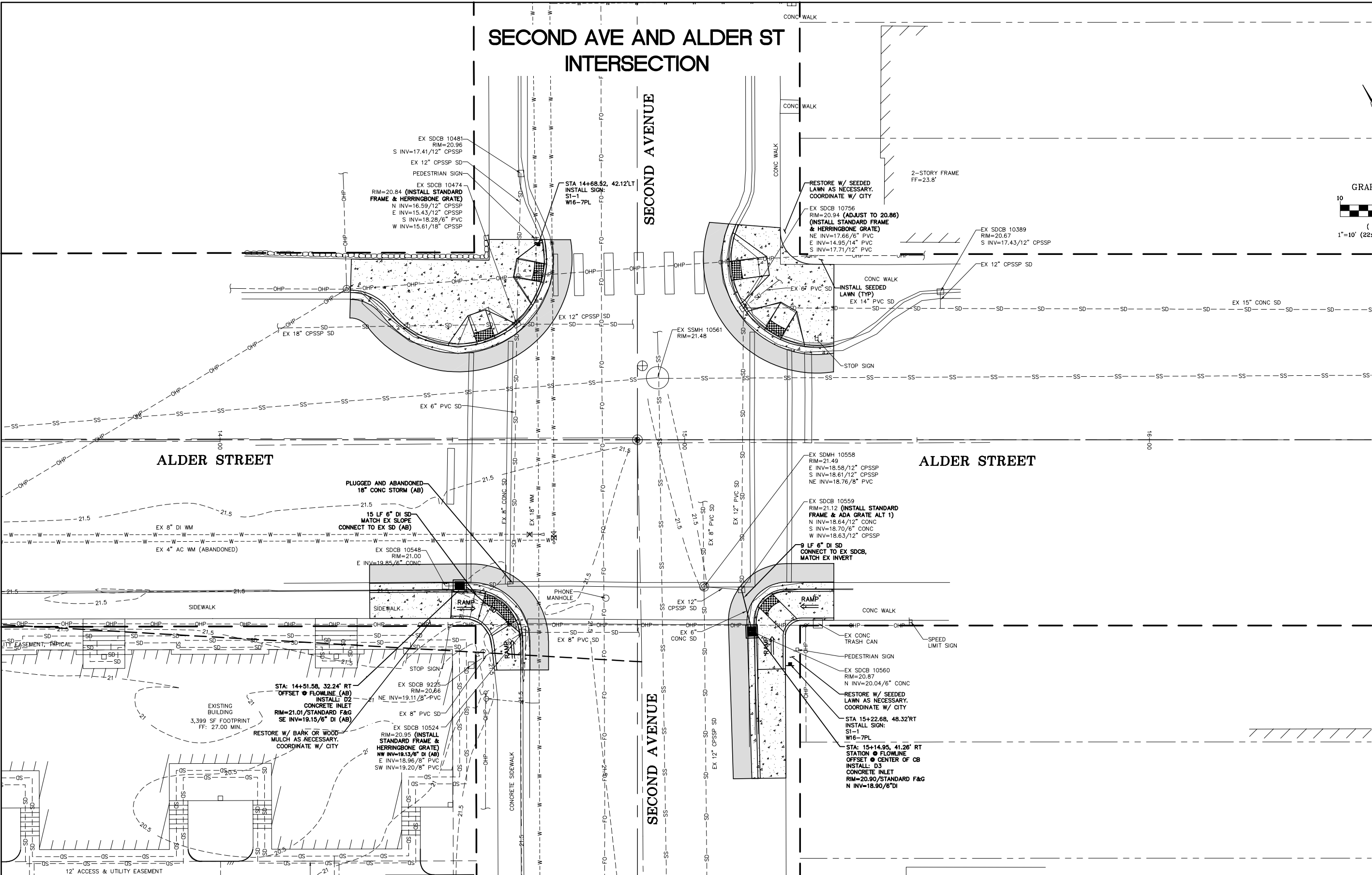
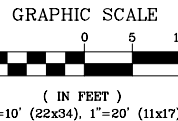
of 23



SECOND AVE AND ALDER ST INTERSECTION

SECOND AVENUE

ALDER STREET



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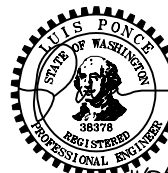
CITY OF FERNDAL
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COMPLETE STREETS
PLAN - 2ND AND ALDER

DWG 19024 PLOT
JOB# 19024

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SHEET
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of 23



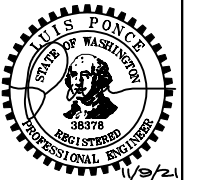
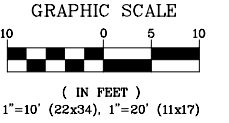
SECOND AVE AND ALDER ST
INTERSECTION

SECOND AVENUE

SECOND AVENUE

ALDER STREET

ALDER STREET



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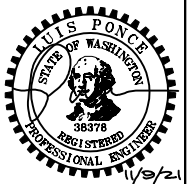
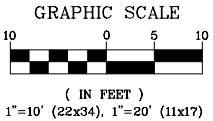
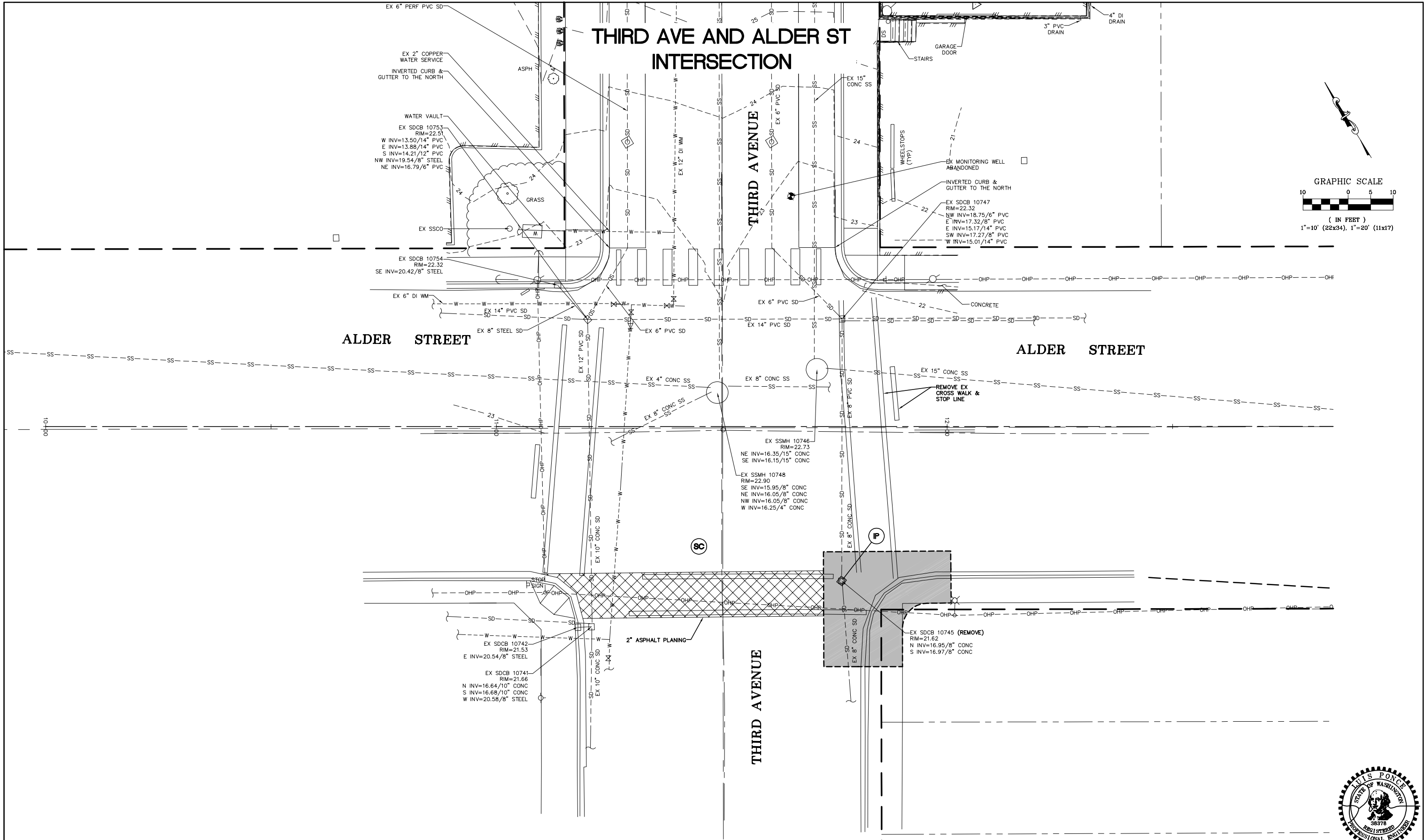
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COMPLETE STREETS
GRADING AND CHANNELIZATION - 2ND AND ALDER

DWG 19024 PLOT
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DATE 9/23/20
SHEET 8 of 23



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COMPLETE STREETS

EX COND, DEMO AND TESC - 3RD AND ALDER

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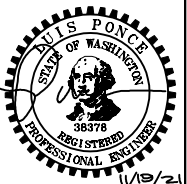
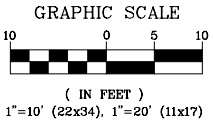
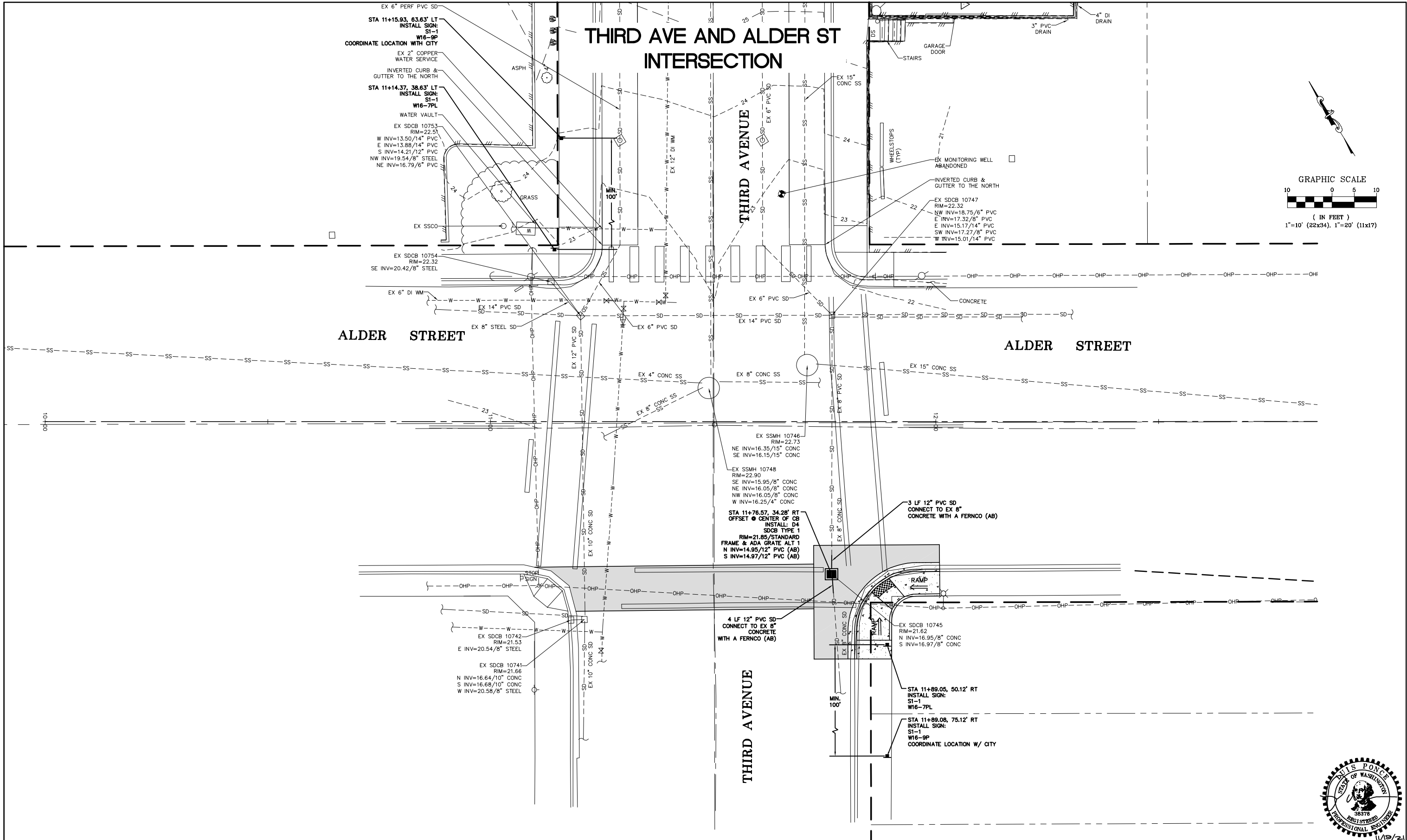
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SHEET

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of 23



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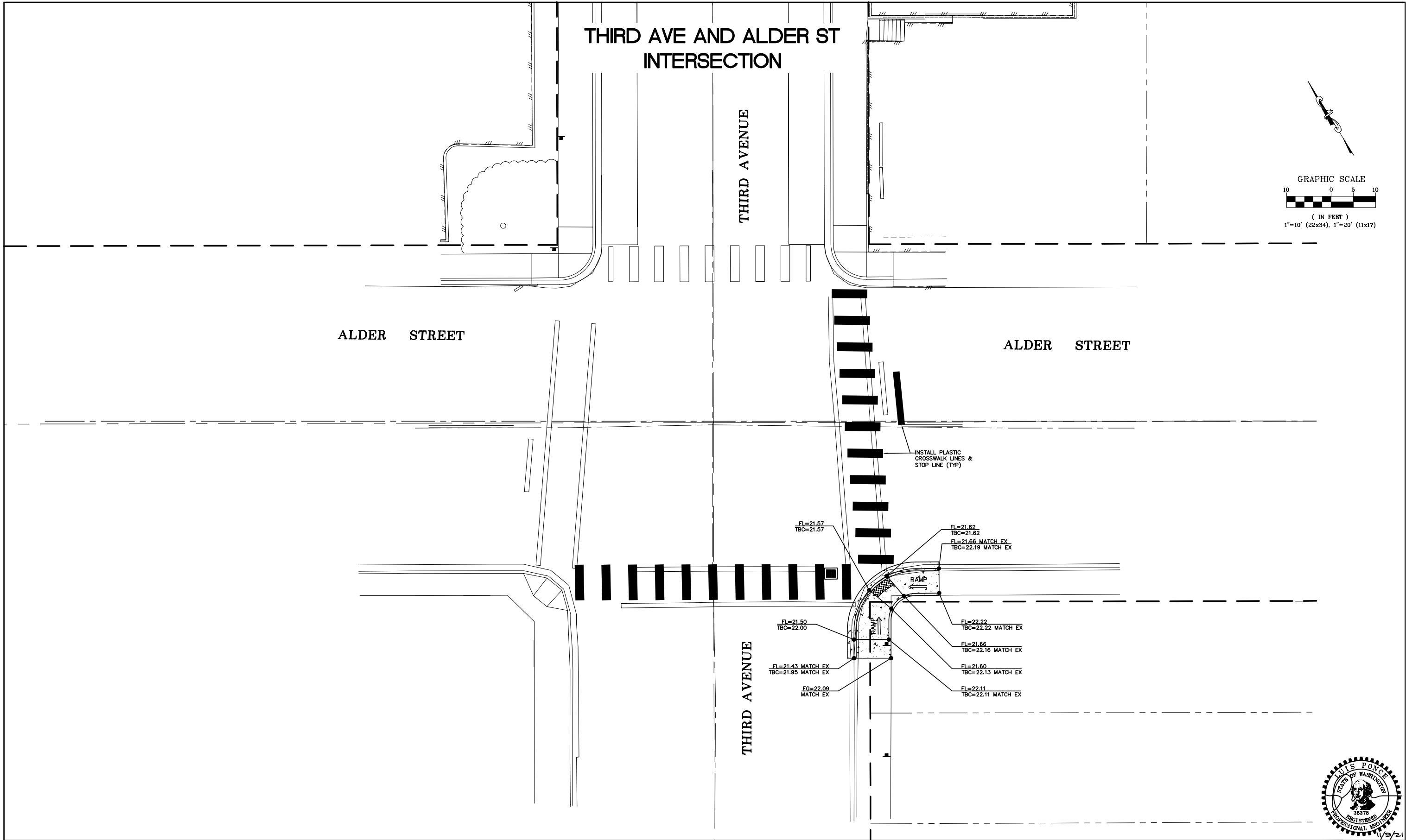
COMPLETE STREETS

PLAN - 3RD AND ALDER

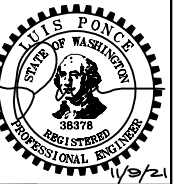
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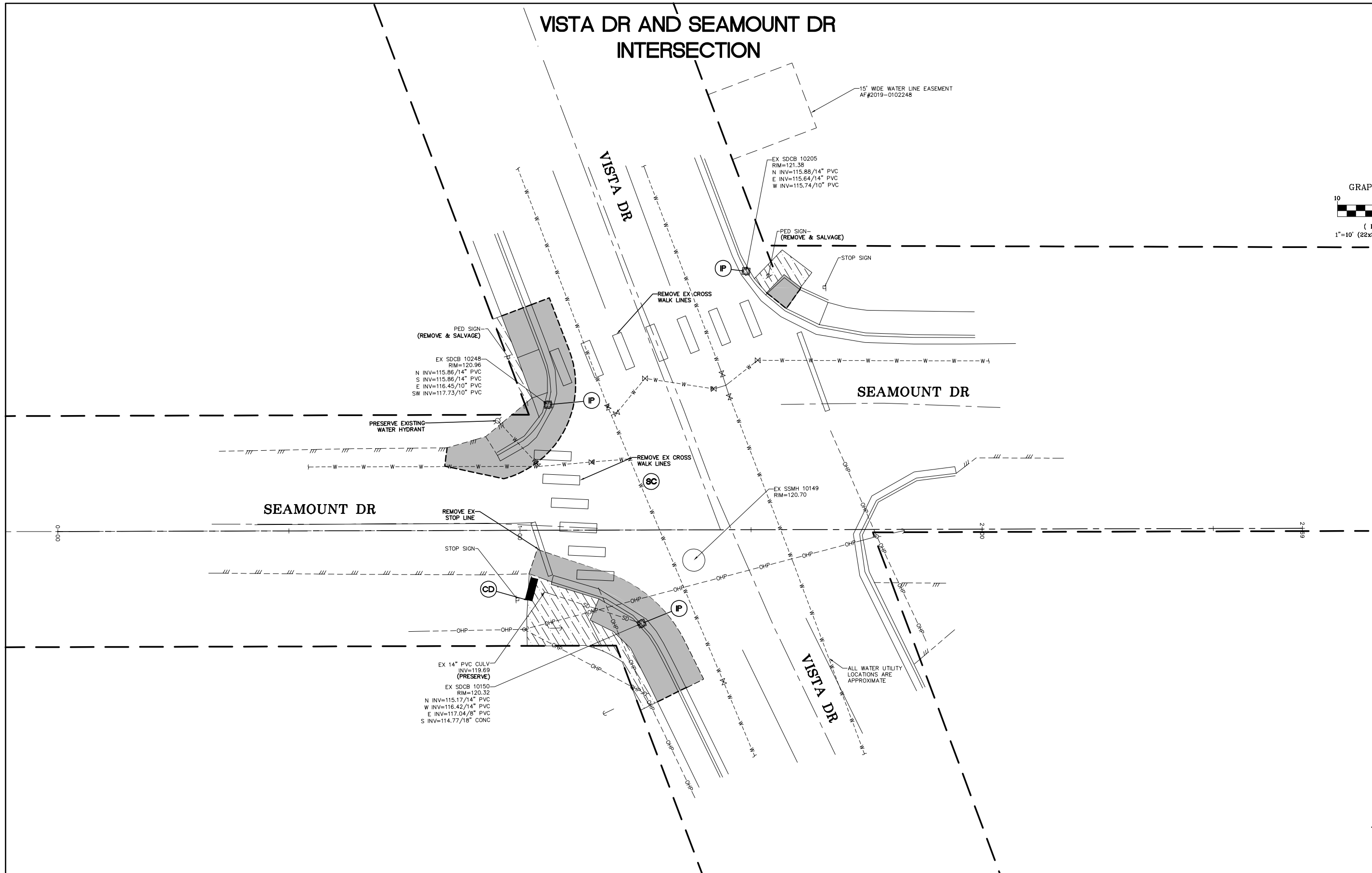
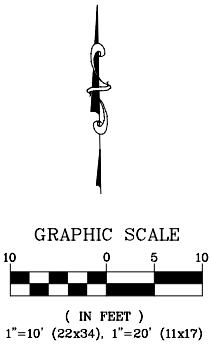
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SHEET 10
of 23



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		DRAWN BY LMH								JOB# 19024	SCALE H: 1"=10' V: N/A	SHEET 11	of 23
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VISTA DR AND SEAMOUNT DR INTERSECTION



11/9/21
AS-BUILT

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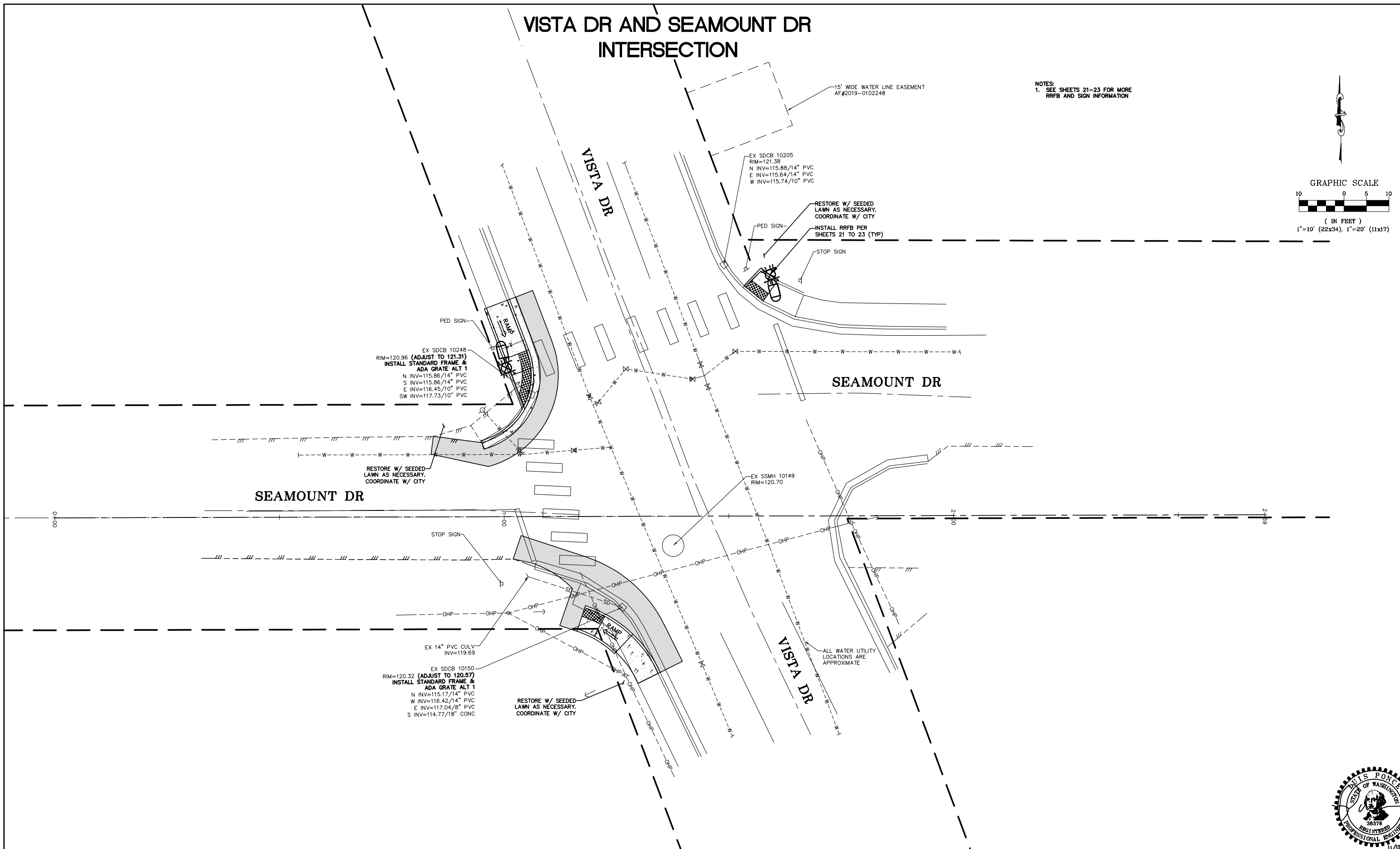
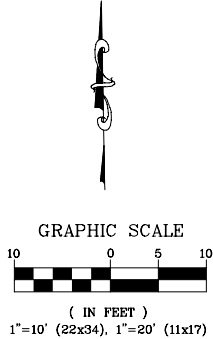
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SHEET

12
of 23

VISTA DR AND SEAMOUNT DR
INTERSECTION

NOTES:
1. SEE SHEETS 21-23 FOR MORE
RRFB AND SIGN INFORMATION



11/9/21 AS-BUILT

DESIGNED BY
OAM
DRAWN BY
LMH
CHECKED BY
LP

R&E Reichhardt & Ebe
ENGINEERING INC
P.O. Box 978 | 423 Front Street
Lynden, WA 98264 (360) 354-3687

NO.	DATE	DESCRIPTION	BY

CITY OF FERNDAL
2095 MAIN ST
FERNDAL, WA 98226

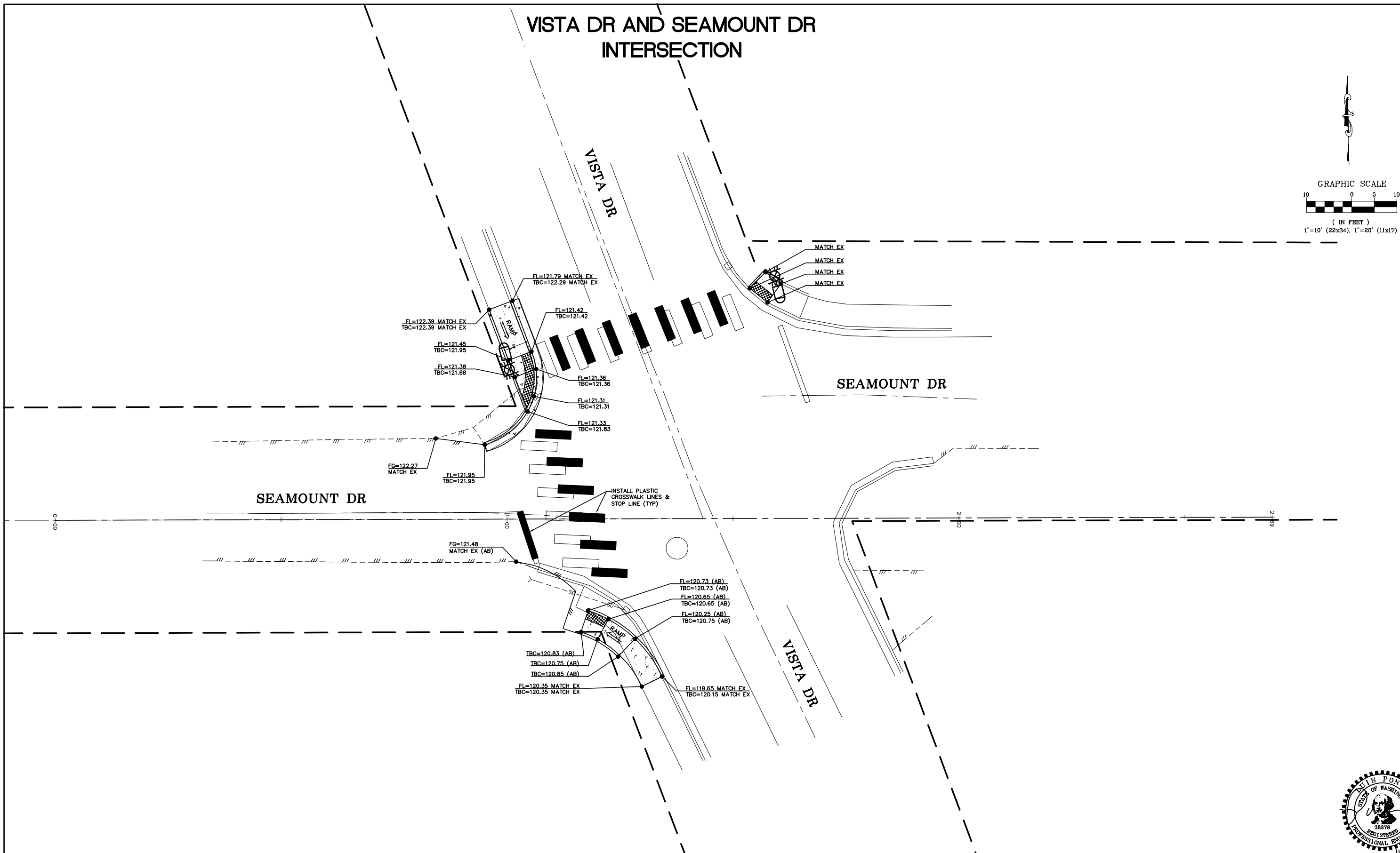
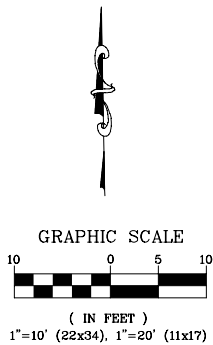
COMPLETE STREETS
PLAN - VISTA AND SEAMOUNT

DWG 19024 PLOT
JOB# 19024

SCALE
H: 1"=10' V: N/A

DATE 9/23/20
SHEET 13
of 23

VISTA DR AND SEAMOUNT DR
INTERSECTION



11/9/21 AS-BUILT

DESIGNED BY
OAM
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LP

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NO.	DATE	DESCRIPTION	BY

CITY OF FERNDAL
2095 MAIN ST
FERNDAL, WA 98226

COMPLETE STREETS
GRADING AND CHANNELIZATION - VISTA AND SEAMOUNT

DWG 19024 PLOT
JOB# 19024

SCALE
H: 1"=10' V: N/A

DATE 9/23/20
SHEET 14
of 23

INTERSECTION



1/9/21

R&E**R&E**

**CITY OF FERNDALE
2095 MAIN ST
FERNDALE, WA 98226**

COMPLETE STREETS

EX COND, DEMO AND TESC - THORNTON AND MAUREEN

DWG 19024 PLOT

JOB #

SCALE
H: 1"=10'

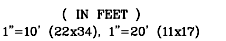
N/A

DATE _____

15
of 23

INTERSECTION

NOTES:
1. SEE SHEETS 21-23 FOR MORE
RRFB AND SIGN INFORMATION.



11/9/21

DESIGNED BY	OAM
DRAWN BY	LMH
CHECKED BY	LP



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Lynden, WA 98264 (360) 354-3687

NO.	DATE	DESCRIPTION	BY
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**CITY OF FERNDALE
2095 MAIN ST
FERNDALE, WA 98226**

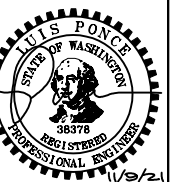
PLAN - THORNTON AND MAUREEN

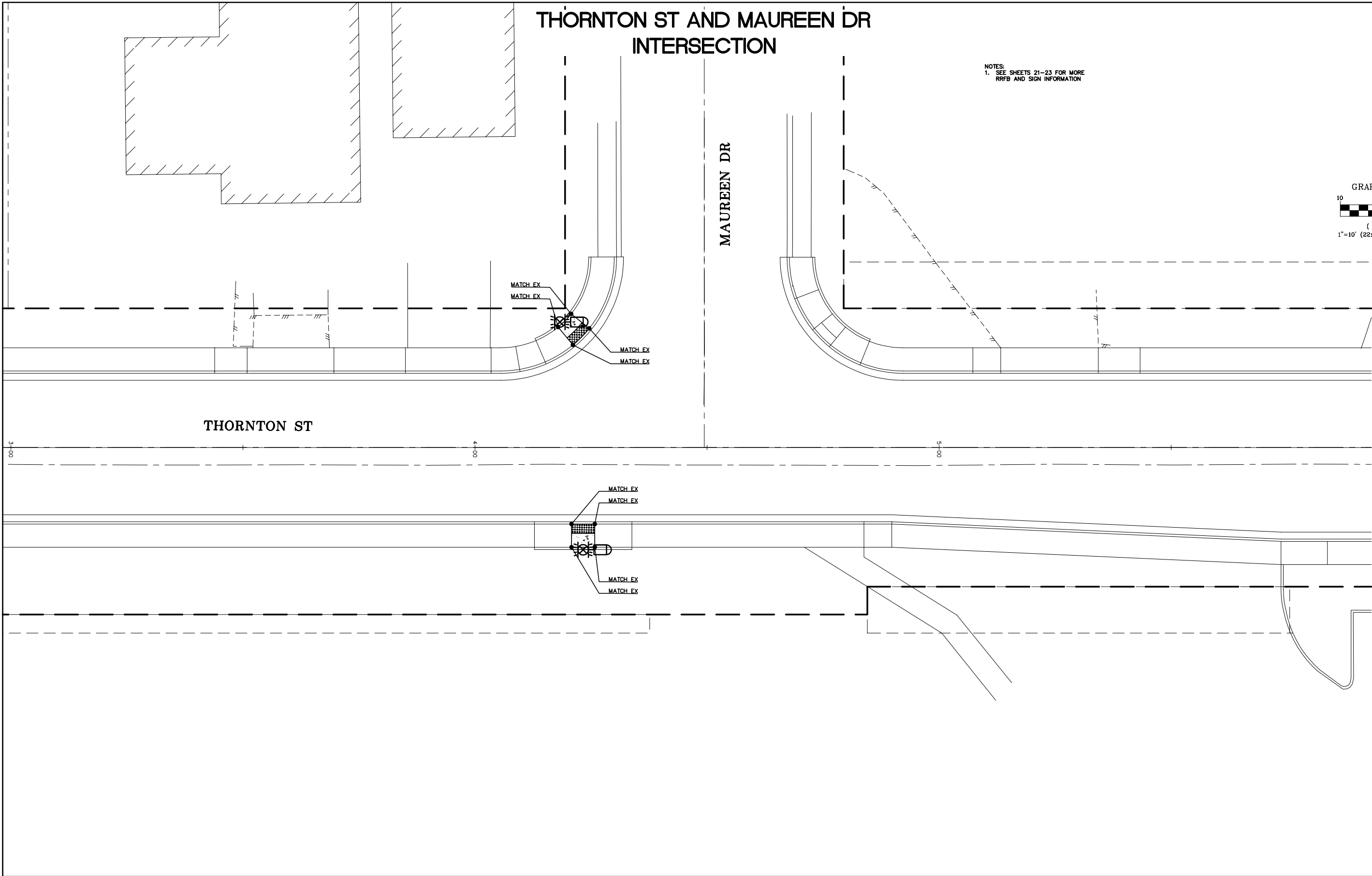
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SCALE
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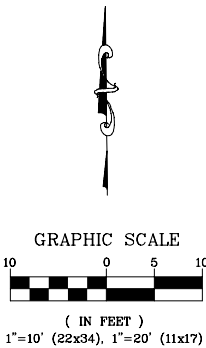
SHEET 16

SHEET **16**
of 23





NOTES:
1. SEE SHEETS 21-23 FOR MORE
RRFB AND SIGN INFORMATION



11/9/21
AS-BUILT

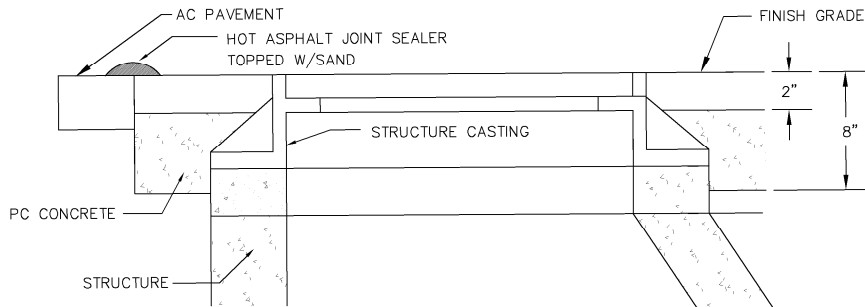
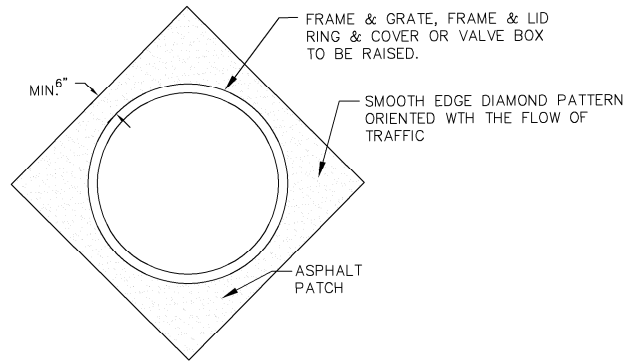
DESIGNED BY
OAM
DRAWN BY
LMH
CHECKED BY
LP
R&E Reichhardt & Ebe
ENGINEERING INC
P.O. Box 978 | 423 Front Street
Lynden, WA 98264 (360) 354-3687

NO.	DATE	DESCRIPTION	BY

CITY OF FERNDAL
2095 MAIN ST
FERNDAL, WA 98226

COMPLETE STREETS
GRADING AND CHANNELIZATION - THORNTON AND MAUREEN

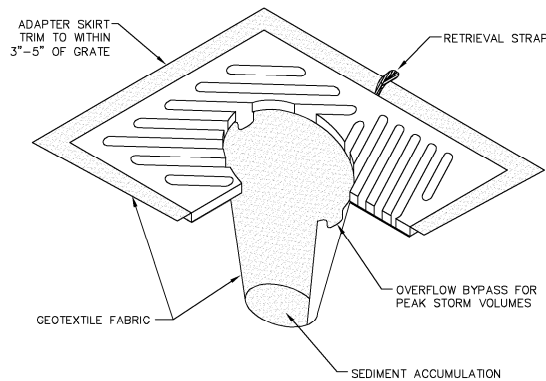
DWG	19024 PLOT	DATE	9/23/20
JOB#	19024	SCALE	H: 1"=10' V: N/A
SHEET	17	of 23	



- NOTES:
- ALL FRAMES, COVERS AND VALVE BOXES SHALL BE ADJUSTED TO FINISHED GRADE AFTER THE FINAL LIFT OF PAVING HAS BEEN COMPLETED. THE FOLLOWING PROCEDURE SHALL BE USED:
1. CUT THE ASPHALT IN A DIAMOND AROUND THE STRUCTURE CASTING TO BE ADJUSTED.
 2. REMOVE THE FILL MATERIAL WITHIN THE CUT PAVEMENT AREA TO 8 INCHES MIN. BELOW FINISH GRADE.
 3. PLACE THE CASTING AT FINISH GRADE.
 4. PLACE PORTLAND CEMENT CONCRETE TO WITHIN THE TOP 2 INCHES OF FINISH GRADE.
 5. APPLY TACK TO THE STRUCTURE CASTING, CUT PAVEMENT, AND PC CONCRETE.
 6. PLACE AND COMPACT 2 INCHES OF COMMERCIAL HMA TO FINISH GRADE.
 7. SEAL PAVEMENT JOINTS WITH HOT ASPHALT JOINT SEALER AND TOP WITH SAND.

ADJUSTING CASTINGS TO FINISHED GRADE

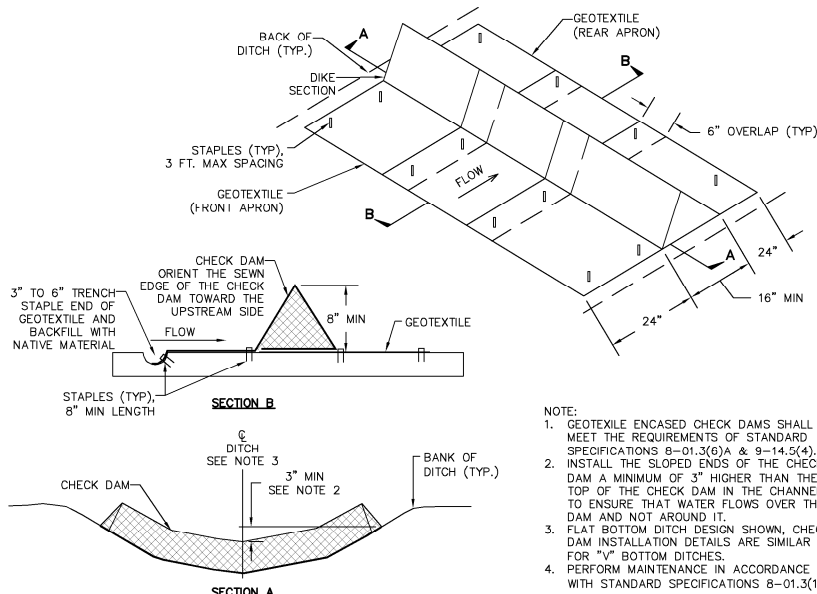
NTS



- NOTES:
1. INSERT SHALL BE INSTALLED PRIOR TO CLEARING & GRADING ACTIVITY, OR UPON PLACEMENT OF A NEW CATCH BASIN.
 2. SEDIMENT SHALL BE REMOVED FROM THE UNIT WHEN IT BECOMES HALF FULL.
 3. SEDIMENT REMOVAL SHALL BE ACCOMPLISHED BY REMOVING THE INSERT, EMPTYING, & RE-INSERTING IT INTO THE CATCH BASIN.

INLET PROTECTION

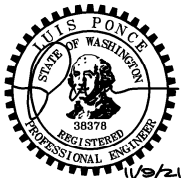
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- NOTE:
1. GEOTEXTILE ENCASED CHECK DAMS SHALL MEET THE REQUIREMENTS OF STANDARD SPECIFICATIONS 8-01.3(9)A & 9-14.5(4).
 2. INSTALL THE SLOPED ENDS OF THE CHECK DAM A MINIMUM OF 3\"/>
 3. FLAT BOTTOM DITCH DESIGN SHOWN, CHECK DAM INSTALLATION DETAILS ARE SIMILAR FOR "V" BOTTOM DITCHES.
 4. PERFORM MAINTENANCE IN ACCORDANCE WITH STANDARD SPECIFICATIONS 8-01.3(15).

GEOTEXTILE-ENCASED CHECK DAM

NTS



11/9/21
AS-BUILT

DESIGNED BY
OAM
DRAWN BY
LMH
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P.O. Box 978 | 423 Front Street
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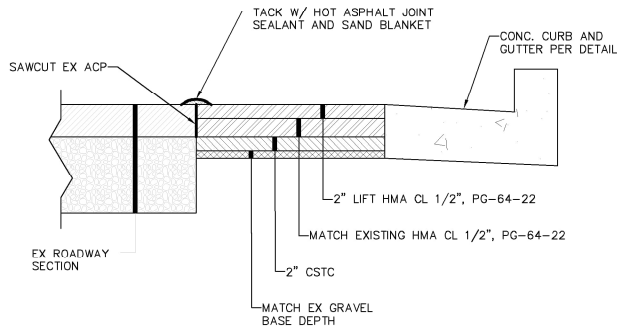
CITY OF FERNDAL
2095 MAIN ST
FERNDAL, WA 98226

COMPLETE STREETS
TESC AND MISCELLANEOUS DETAILS

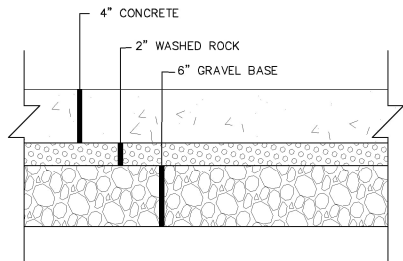
DWG 19024 DETAILS
JOB# 19024

SCALE
H: N/A V: N/A

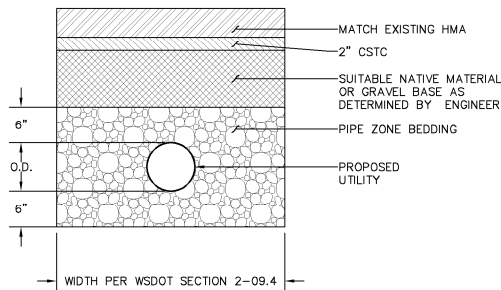
DATE
9/23/20
SHEET
18 of 23



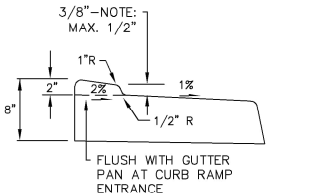
**ROADWAY PAVEMENT
MATCH SECTION**
NTS



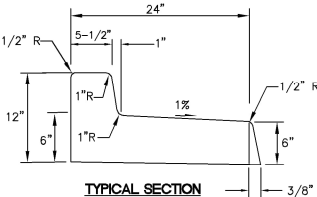
TYPICAL SIDEWALK SECTION DETAIL
NTS



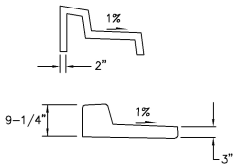
UTILITY TRENCH DETAIL
NTS



CURB RAMP/DRIVEWAY SECTION



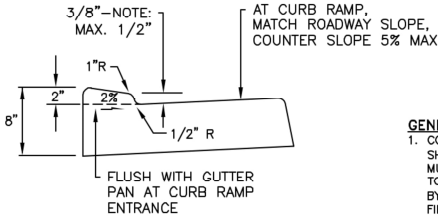
TYPICAL SECTION



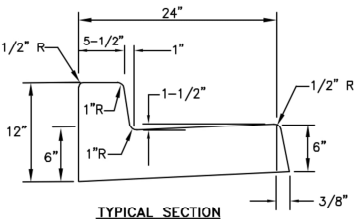
CONTRACT JOINTS

- GENERAL NOTES**
- CONTRACTION JOINTS OF ONE OF THE TYPES SHOWN ABOVE TO BE PLACED 10'C/C. JOINTS MUST COMPLETELY SEVER THE STRUCTURE TO THE POINTS SHOWN. JOINTS MAY BE MADE BY INSERTING MINIMUM 3/16" BITUMINOUS FILLER DUMMY JOINTS. JOINTS SHALL BE CLEANED AND EDGED.
 - 2" WEEP HOLES TO BE PLACED ON EACH SIDE OF DRIVEWAY SECTION & A MAXIMUM 60' C/C IN CUT SECTIONS WHERE SIDEWALK DRAIN NOT REQUIRED BY PUBLIC WORKS DIRECTOR.
 - 3/8" EXPANSION JOINTS TO BE PLACED AT DRIVEWAY SECTIONS, CURB RETURNS, CURB RAMPS, & COLD JOINTS OR A MAXIMUM OF 80' C/C. EXPANSION JOINTS SHALL PROTRUDE 1" BELOW THE BOTTOM OF GUTTER.
 - CONCRETE SHALL BE CEMENT CONCRETE "CLASS 3000".
 - FINISHED WORK SHALL NOT VARY MORE THAN 1/8" IN GRADE AND 1/4" IN ALIGNMENT WHEN CHECKED WITH A 10" STRAIGHT EDGE.
 - EXPOSED SURFACES SHALL BE BRUSHED WITH A FIBER HAIR BRUSH.
 - WHITE PIGMENTED OR TRANSPARENT CURING COMPOUND SHALL BE APPLIED AS OUTLINED IN THE STANDARD SPECIFICATIONS.
 - FURTHER REQUIREMENTS SHALL BE AS SPECIFIED IN THE STANDARD SPECIFICATIONS.

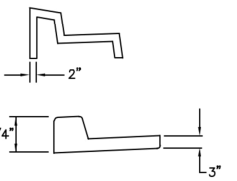
**CURB AND GUTTER INSTALLATION
REVERSE SLOPE**
NTS



CURB RAMP/DRIVEWAY SECTION



TYPICAL SECTION



CONTRACT JOINTS

- GENERAL NOTES**
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 - FURTHER REQUIREMENTS SHALL BE AS SPECIFIED IN THE STANDARD SPECIFICATIONS.



APPROVED

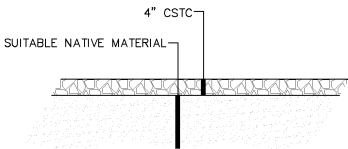
Public Works Director

8/11/17

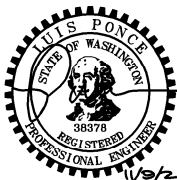
Date

NOVEMBER 25, 2016

CURB AND GUTTER
INSTALLATION
STANDARD DETAIL R-9
NOT TO SCALE



GRAVEL SHOULDER DETAIL
NTS



11/9/21 AS-BUILT

DESIGNED BY
OAM
DRAWN BY
LMH
CHECKED BY
LP

R&E Reichhardt & Ebe
ENGINEERING INC
P.O. Box 978 | 423 Front Street
Lynden, WA 98264 (360) 354-3687

NO.	DATE	DESCRIPTION	BY

CITY OF FERNDAL
2095 MAIN ST
FERNDAL, WA 98226

COMPLETE STREETS
ROAD DETAILS

DWG 19024 DETAILS
JOB# 19024

SCALE
H: N/A V: N/A

DATE
9/23/20
SHEET
20
of 23

GENERAL NOTES

1.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION AND ITS AMENDMENTS, SPECIAL PROVISIONS, WSDOT STANDARD PLANS AND NATIONAL ELECTRICAL CODE (ALL CURRENT VERSIONS).
2.

THIS PROJECT INVOLVES CONTRACTING AGENCY-SUPPLIED MATERIALS. ALL MATERIALS NOT LISTED AS AGENCY-SUPPLIED SHALL BE FURNISHED BY THE CONTRACTOR. SEE SPECIAL PROVISIONS.
3.

ALL RRFB FOUNDATIONS AND SIGN LOCATIONS SHALL BE POTHOLED FOR UNDERGROUND UTILITIES PRIOR TO INSTALLATION.
4.

ALL PERMANENT WARNING SIGNS SHALL BE BLACK SYMBOLS/LEGENDS/BORDERS ON FLUORESCENT YELLOW GREEN BACKGROUND.
5.

CONTRACTOR SHALL INSTALL TEMPORARY 36"X36" W20-901 "TRAFFIC REVISION AHEAD" SIGNS WITH BLACK LEGENDS AND ORANGE BACKGROUNDS ON 4"X4" TIMBER POSTS AT THE LOCATIONS STAKED BY ENGINEER (TOTAL OF THREE AT THORNTON/MAUREEN AND TOTAL OF FOUR AT VISTA/SEAMOUNT) PRIOR TO RRFB TURN-ON. INSTALL TWO ORANGE FLAGS AT TOP OF EACH POST. REMOVE SIGNS, FLAGS AND POSTS 30 DAYS AFTER TURN-ON.

CONSTRUCTION NOTES

- 1

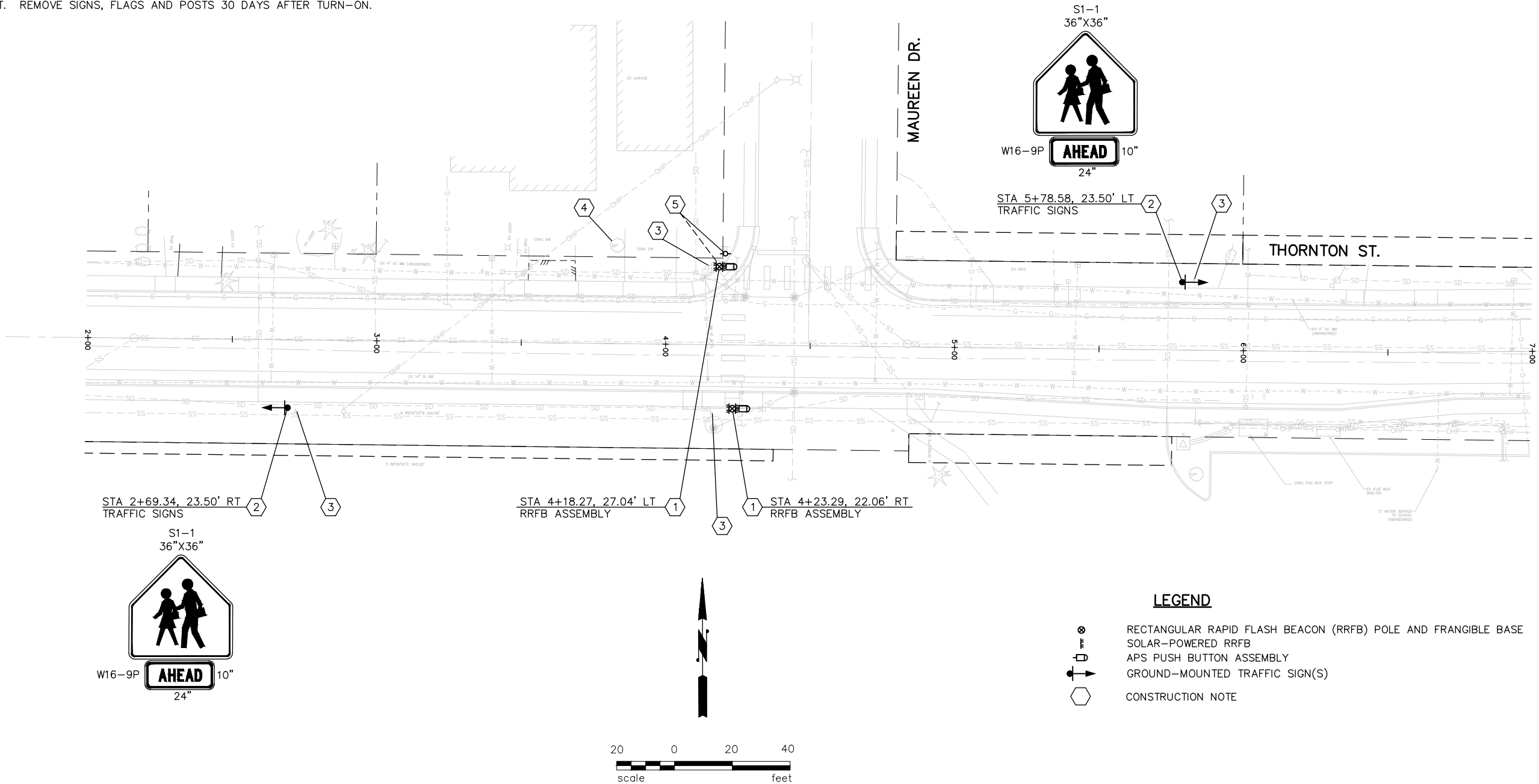
REMOVE EXISTING CURB RAMP LANDING AND ADJACENT PEDESTRIAN CURB. CONSTRUCT CURB TYPE FOUNDATION AT LOCATION SHOWN PER WSDOT STANDARD PLAN J-20.11-03, EXCEPT ANCHOR BOLTS SHALL BE PER POLE MANUFACTURER'S RECOMMENDATION. REPLACE CURB RAMP LANDING AND PEDESTRIAN CURB. INSTALL RRFB ASSEMBLY PER DETAILS ON SHEET BC3.
- 2

INSTALL FOUNDATION, SQUARE STEEL SIGN SUPPORT AND TWO TRAFFIC SIGNS AT LOCATION SHOWN. USE WSDOT STANDARD PLAN G-24.50-03, TYPE ST-2. MOUNT W16-9P SIGN AT 7' ABOVE GRADE. MOUNT S1-1 SIGN DIRECTLY ABOVE W16-9P.
- 3

REMOVE EXISTING S1-1 SCHOOL SIGN AND POST AND DELIVER TO CITY SHOPS.
- 4

TRIM TREE TO PROVIDE UNOBSTRUCTED VISIBILITY TO SIGNS AND RRFB LIGHT BARS FOR EASTBOUND DRIVERS.
- 5

PUGET SOUND ENERGY TO RELOCATE EXISTING STREET LIGHT POLE, ARM AND LUMINAIRE. APPROXIMATE NEW LOCATION OF POLE SHOWN.



LEGEND

- RECTANGULAR RAPID FLASH BEACON (RRFB) POLE AND FRANGIBLE BASE
- SOLAR-POWERED RRFB
- APS PUSH BUTTON ASSEMBLY
- GROUND-MOUNTED TRAFFIC SIGN(S)
- CONSTRUCTION NOTE

DRAWN	RMH				
DESIGNED	RMH				
CHECKED	6/8/20 RMH				
PROJ. ENGR.					
DRAWING FILE	RRFB.DWG				
	DATE	REVISION	BY	APP'D	

FOR:
REICHHARDT & EBE ENGINEERING, INC.
P.O. Box 978
Lynden, WA 98264



HTE

HERMAN TRAFFIC ENGINEERING, INC.

11215 Southeast 220th Place, Kent, Washington 98031
253-236-4941 tel. hte@comcast.net

CITY OF FERDALE	WASHINGTON	BC1
COMPLETE STREETS THORNTON ST./MAUREEN DR.		SHEET
RECTANGULAR RAPID FLASH BEACON PLAN		OF SHEETS

CONSTRUCTION NOTES

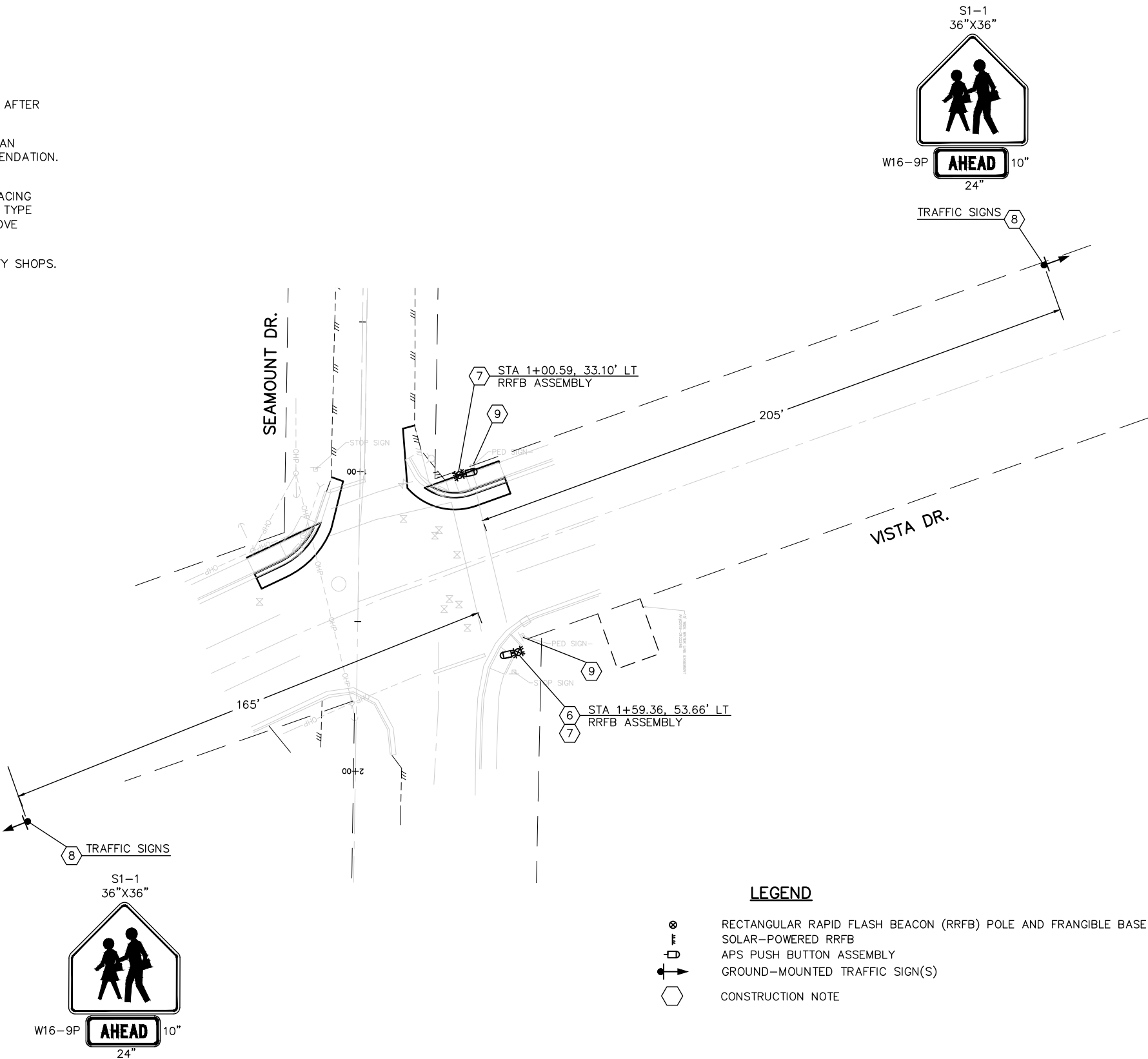
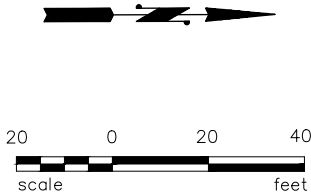
- 6

REMOVE EXISTING CURB RAMP LANDING AND ADJACENT PEDESTRIAN CURB PRIOR TO FOUNDATION CONSTRUCTION. REPLACE CURB RAMP LANDING AND PEDESTRIAN CURB AFTER FOUNDATION IS CONSTRUCTED.
- 7

CONSTRUCT CURB TYPE FOUNDATION AT LOCATION SHOWN PER WSDOT STANDARD PLAN J-20.11-03, EXCEPT ANCHOR BOLTS SHALL BE PER POLE MANUFACTURER'S RECOMMENDATION. INSTALL RRFB ASSEMBLY PER DETAILS ON SHEET BC3.
- 8

INSTALL FOUNDATION, SQUARE STEEL SIGN SUPPORT AND TWO TRAFFIC SIGNS AT SPACING SHOWN AND 1' OFF BACK OF SIDEWALK. USE WSDOT STANDARD PLAN G-24.50-03, TYPE ST-2. MOUNT W16-9P SIGN AT 7' ABOVE GRADE. MOUNT S1-1 SIGN DIRECTLY ABOVE W16-9P.
- 9

REMOVE EXISTING W11-2 PEDESTRIAN CROSSING SIGN AND POST AND DELIVER TO CITY SHOPS.



DRAWN	RMH				
DESIGNED	RMH				
CHECKED	6/8/20 RMH				
PROJ. ENGR.					
DRAWING FILE	RRFB.DWG				
	DATE	REVISION	BY	APP'D	

FOR:
REICHHARDT & EBE ENGINEERING, INC.
P.O. Box 978
Lynden, WA 98264

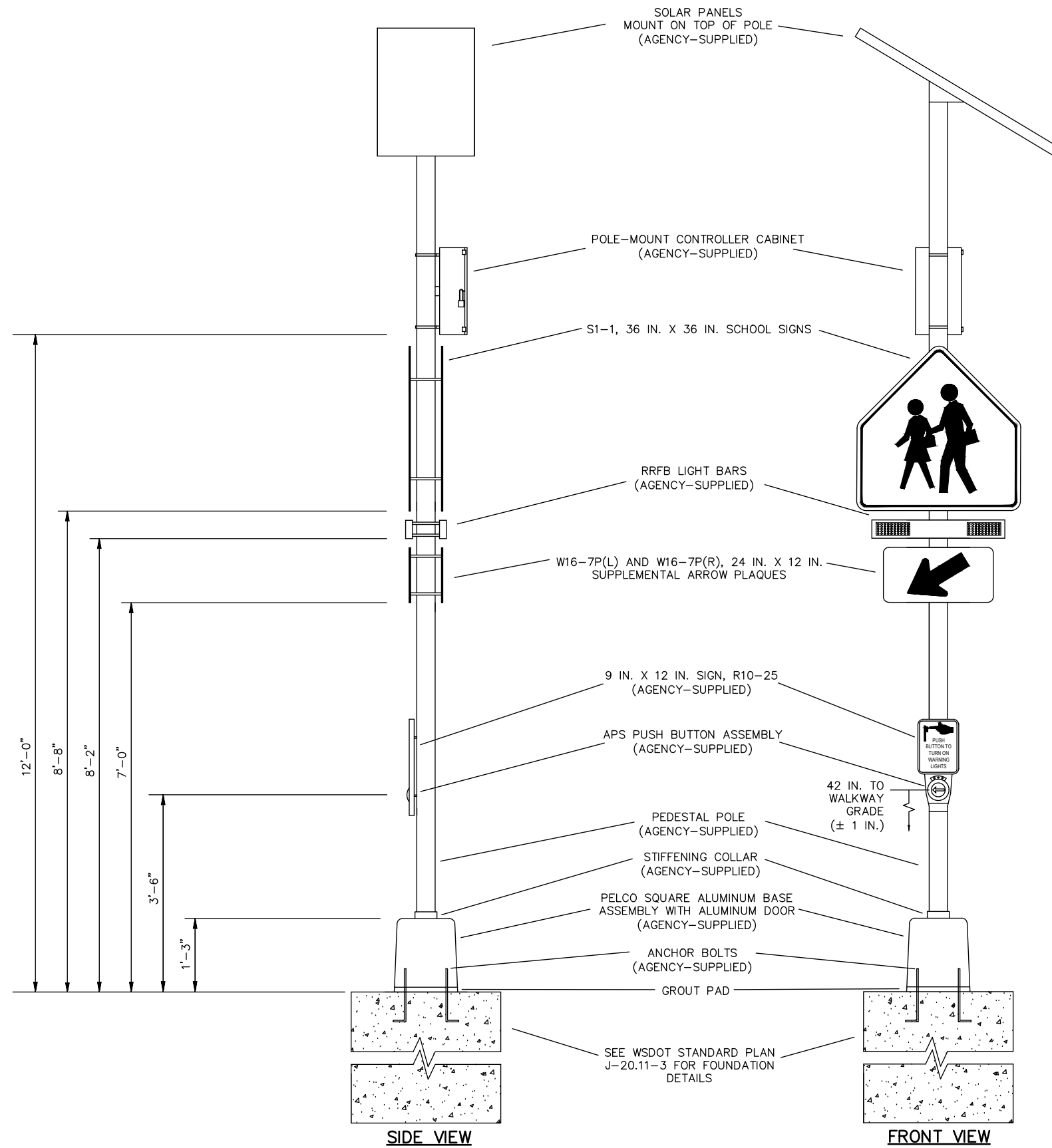


HTE

HERMAN TRAFFIC ENGINEERING, INC.

11215 Southeast 220th Place, Kent, Washington 98031
253-236-4941 tel. hte@comcast.net

CITY OF FERNDALE	WASHINGTON	BC2
COMPLETE STREETS VISTA DR./SEAMOUNT DR.		SHEET
RECTANGULAR RAPID FLASH BEACON PLAN		OF
		SHEETS



RRFB NOTES

1. USE STAINLESS STEEL MOUNTING CLAMPS AND BRACKETS TO MOUNT SIGNS, RRFB AND CONTOLLER CABINET TO POLE.
2. ALL APS PUSH BUTTONS (FACE OF PUSH BUTTON) SHALL BE ORIENTED AS SHOWN ON PLANS AND PARALLEL WITH CROSSWALK.
3. CONTRACTOR SHALL CONSTRUCT EACH RRFB ASSEMBLY AS SHOWN INCLUDING INTERNAL WIRING TERMINATIONS PER MANUFACTURER'S RECOMMENDATIONS.

RECTANGULAR RAPID FLASH BEACON ASSEMBLY DETAIL
(NOT TO SCALE)

DRAWN	RMH				
DESIGNED	RMH				
CHECKED	6/8/20 RMH				
PROJ. ENGR.					
DRAWING FILE	RRFB.DWG				
DATE		REVISION		BY	APP'D

FOR:
REICHHARDT & EBE ENGINEERING, INC.
P.O. Box 978
Lynden, WA 98264



HTE HERMAN TRAFFIC ENGINEERING, INC.
11215 Southeast 220th Place, Kent, Washington 98031
253-236-4941 tel. hte@comcast.net

CITY OF FERNDALE	WASHINGTON	BC3
COMPLETE STREETS		
RRFB ASSEMBLY DETAIL		SHEET OF SHEETS