

REICHHARDT & EBE ENGINEERING, INC.
CONSULTING ENGINEERS

TRANSMITTAL

Date sent: Monday, September 19, 2011
Sent to: All Planholders
Deliver to: Project Estimator
Transmission sent from: Reichhardt & Ebe Engineering
Number of pages including this page: 27

CONFIRMATION OF RECEIPT OF ADDENDUM

**PROJECT: Eaton, Somerset, Willard, and Washington Sewer
Projects, City of Ferndale**

**Please complete the following form and fax or email back
to Reichhardt & Ebe Engineering, Inc. 360-354-0407 or
sheutink@recivil.com as soon as possible.**

**Have you received Addendum No. 1 for the above-mentioned
project?**

YES, we received Addendum No. 1

Signed: _____ Dated: _____

Company name (Please Print): _____

**Please fax back to Reichhardt & Ebe Engineering, Inc. at 360-354-
0407 or email back to sheutink@recivil.com**

REICHHARDT & EBE ENGINEERING, INC.
CONSULTING ENGINEERS

TRANSMITTAL

TO: ALL BIDDERS	FROM: Luis Ponce, P.E.
COMPANY:	DATE: 9/19/11
FAX NUMBER:	TOTAL NO. OF PAGES INCLUDING COVER:
PHONE NUMBER:	SENDER'S PHONE NUMBER: (360) 354-3687
RE: City of Ferndale Addendum 1	SENDER'S FAX NUMBER: (360) 354-0407

**EATON, SOMERSET, WILLARD, AND WASHINGTON SEWER
PROJECT NO. SS2011-01**

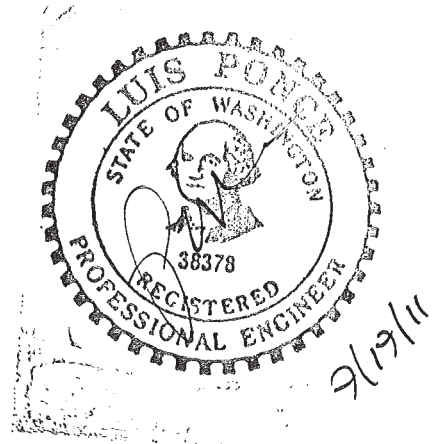
To the attention of all bidders for the above project:

Please find the enclosed Addendum No. 1 for the above referenced project.

The enclosed ADDENDUM is to be considered as much a part of the Contract Documents as if it were included in the body of the plans and specifications, and will be incorporated in and made a part of the contract when awarded and when formally executed.

The Bidder shall acknowledge in writing, on the bid form, this addendum in order to have the bid considered.


Luis Ponce, P.E.



423 FRONT STREET
LYNDEN, WASHINGTON 98264
360-354-3687

ADDENDUM NO. 1
To the Contract Provisions for
City of Ferndale, Washington

**EATON, SOMERSET, WILLARD, AND WASHINGTON SEWER
PROJECT NO. SS2011-01**

ITEM 1

The Bid Opening date previously set for 11:00 a.m. September 22, 2011, as stated in the Contract Documents shall be changed to 11:00 a.m. September 29, 2011.

ITEM 2

The Bid Proposal Form is replaced in its entirety with the attached **REVISED BID PROPOSAL FORM**. Only bids submitted on the **REVISED BID PROPOSAL FORM** will be considered responsive.

Bid Proposal Form, ITEM NO. 2A, 'Roadway Surveying' has been added to the Bid Proposal Form.

Bid Proposal Form, ITEM NO. 30, 'Removal and Replacement of Unsuitable Material Including Haul' has been revised to read 'Removal of Unsuitable Material Including Haul'.

Bid Proposal Form, ITEM NO. A1-2A, 'Roadway Surveying' has been added to the Bid Proposal Form.

Bid Proposal Form, ITEM NO. A1-27, 'Manhole 48 In. Diam Type 3' has been deleted. Deleted items were intentionally left blank.

Bid Proposal Form, ITEM NO. A1-29, 'Removal and Replacement of Unsuitable Material Including Haul' has been revised to read 'Removal of Unsuitable Material Including Haul'.

Bid Proposal Form, Alternate A1 Bid Items have been adjusted as the project limits for Alternate A1 have been reduced. Alternate A1 work shall end just north of SSMH #SS6 as shown on the Plans.

ITEM 3

Plan Sheets

Alternate A1 work shall end just north of SSMH #SS6. The attached Plan Sheets reflect this revision. The attached Plan Sheets shall replace the original Plan Sheets.

ITEM 4

The attached WSDOT Standard Plan B-55.20-00 is added for reference.

ITEM 5

DIVISION 1 GENERAL REQUIREMENTS

1-02 BID PROCEDURES AND CONDITIONS

1-02.6 Preparation of Proposal

Page 92, lines 17-21 are deleted and revised to read:

- a. Alternate A1
Based on constructing (**Sanitary Sewer Line and appurtenances along the alley located between Somerset and Eaton**) The bid items for Alternate A1 are as listed in the bid proposal.

ITEM 6

DIVISION 1 GENERAL REQUIREMENTS

1-05 CONTROL OF WORK

1-05.4 Conformity With and Deviations From Plans and Stakes

Page 100, lines 6-46 and Page 101, line 1 are deleted and replaced with the following:

(April 4, 2011)

Contractor Surveying - Roadway

Copies of the Contracting Agency provided primary survey control data are available for the bidder's inspection at the office of the Project Engineer.

The Contractor shall be responsible for setting, maintaining, and resetting all alignment stakes, slope stakes, and grades necessary for the construction of the roadbed, drainage, surfacing, paving, channelization and pavement marking, illumination and signals, guardrails and barriers, and signing. Except for the survey control data to be furnished by the Contracting Agency, calculations, surveying, and measuring required for setting and maintaining the necessary lines and grades shall be the Contractor's responsibility.

The Contractor shall inform the Engineer when monuments are discovered that were not identified in the Plans and construction activity may disturb or damage the monuments. All monuments noted on the plans "DO NOT DISTURB" shall be protected throughout the length of the project or be replaced at the Contractors expense.

Detailed survey records shall be maintained, including a description of the work performed on each shift, the methods utilized, and the control points used. The record shall be adequate to allow the survey to be reproduced. A copy of each day's record shall be provided to the Engineer within three working days after the end of the shift.

The meaning of words and terms used in this provision shall be as listed in "Definitions of Surveying and Associated Terms" current edition, published by the American Congress on Surveying and Mapping and the American Society of Civil Engineers.

The survey work shall include but not be limited to the following:

1. Verify the primary horizontal and vertical control furnished by the Contracting Agency, and expand into secondary control by adding stakes and hubs as well as additional survey control needed for the project. Provide descriptions of secondary control to the Contracting Agency. The description shall include coordinates and elevations of all secondary control points.
2. Establish the centerlines of all alignments, by placing hubs, stakes, or marks on centerline or on offsets to centerline at all curve points (PCs, PTs, and PIs) and at points on the alignments spaced no further than 50 feet.
3. Establish clearing limits, placing stakes at all angle points and at intermediate points not more than 50 feet apart. The clearing and grubbing limits shall be 5 feet beyond the toe of a fill and 10 feet beyond the top of a cut unless otherwise shown in the Plans.
4. Establish grading limits, placing slope stakes at centerline increments not more than 50 feet apart. Establish offset reference to all slope stakes. If Global Positioning Satellite (GPS) Machine Controls are used to provide grade control, then slope stakes may be omitted at the discretion of the Contractor
5. Establish the horizontal and vertical location of all drainage features, placing offset stakes to all drainage structures and to pipes at a horizontal interval not greater than 25 feet.
6. Establish roadbed and surfacing elevations by placing stakes at the top of subgrade and at the top of each course of surfacing. Subgrade and surfacing stakes shall be set at horizontal intervals not greater than 50 feet in tangent sections, 25 feet in curve sections with a radius less than 300 feet, and at 10-foot intervals in intersection radii with a radius less than 10 feet. Transversely, stakes shall be placed at all locations where the roadway slope changes and at additional points such that the transverse spacing of stakes is not more than 12 feet. If GPS Machine Controls are used to provide grade control, then roadbed and surfacing stakes may be omitted at the discretion of the Contractor.
7. Establish intermediate elevation benchmarks as needed to check work throughout the project.
8. Provide references for paving pins at 25-foot intervals or provide simultaneous surveying to establish location and elevation of paving pins as they are being placed.
9. For all other types of construction included in this provision, (including but not limited to channelization and pavement marking, illumination and signals, guardrails

and barriers, and signing) provide staking and layout as necessary to adequately locate, construct, and check the specific construction activity.

10. The Contractor shall collect additional topographic survey data as needed in order to match into existing roadways such that the transition from the new pavement to the existing pavement is smooth and that the pavement and ditches drain properly. If changes to the profiles or roadway sections shown in the contract plans are needed to achieve proper smoothness and drainage where matching into existing features, the Contractor shall submit these changes to the Project Engineer for review and approval 10 days prior to the beginning of work.

The Contractor shall provide the Contracting Agency copies of any calculations and staking data when requested by the Engineer.

To facilitate the establishment of these lines and elevations, the Contracting Agency will provide the Contractor with primary survey control information consisting of descriptions of two primary control points used for the horizontal and vertical control, and descriptions of two additional primary control points for every additional three miles of project length. Primary control points will be described by reference to the project alignment and the coordinate system and elevation datum utilized by the project. In addition, the Contracting Agency will supply horizontal coordinates for the beginning and ending points and for each Point of Intersection (PI) on each alignment included in the project.

The Contractor shall ensure a surveying accuracy within the following tolerances:

	<u>Vertical</u>	<u>Horizontal</u>
Slope stakes	±0.10 feet	±0.10 feet
Subgrade grade stakes set 0.04 feet below grade	±0.01 feet	±0.5 feet (parallel to alignment) ±0.1 feet (normal to alignment)
Stationing on roadway	N/A	±0.1 feet
Alignment on roadway	N/A	±0.04 feet
Surfacing grade stakes	±0.01 feet	±0.5 feet (parallel to alignment) ±0.1 feet (normal to alignment)
Roadway paving pins for surfacing or paving	±0.01 feet	±0.2 feet (parallel to alignment) ±0.1 feet (normal to alignment)

The Contracting Agency may spot-check the Contractor's surveying. These spot-checks will not change the requirements for normal checking by the Contractor.

When staking roadway alignment and stationing, the Contractor shall perform independent checks from different secondary control to ensure that the points staked are within the specified survey accuracy tolerances.

The Contractor shall calculate coordinates for the alignment. The Contracting Agency will verify these coordinates prior to issuing approval to the Contractor for commencing with the work. The Contracting Agency will require up to seven calendar days from the date the data is received.

Contract work to be performed using contractor-provided stakes shall not begin until the stakes are approved by the Contracting Agency. Such approval shall not relieve the Contractor of responsibility for the accuracy of the stakes.

Stakes shall be marked in accordance with Standard Plan A10.10. When stakes are needed that are not described in the Plans, then those stakes shall be marked, at no additional cost to the Contracting Agency as ordered by the Engineer.

Payment

Payment will be made in accordance with Section 1-04.1 for the following bid item when included in the proposal:

"Roadway Surveying", lump sum.

The lump sum contract price for "Roadway Surveying" shall be full pay for all labor, equipment, materials, and supervision utilized to perform the Work specified, including any resurveying, checking, correction of errors, replacement of missing or damaged stakes, and coordination efforts.

ITEM 7

**DIVISION 1
GENERAL REQUIREMENTS**

1-08 PROSECUTION AND PROGRESS

1-08.5 Time for Completion

Page 120, lines 31-32 are deleted and revised to read:

This project shall be physically completed within ***25*** working days for Base Bid; ***30*** working days for Base Bid and Alternate A1.

ITEM 8

DIVISION 7

DRAINAGE STRUCTURES, STORM SEWERS, SANITARY SEWERS, WATER MAINS, AND CONDUITS

7-17.4 Measurement

Page 143, line 37 is deleted and revised to read:

7. Connection to existing structures and sanitary sewer

ITEM 9

DIVISION 7

DRAINAGE STRUCTURES, STORM SEWERS, SANITARY SEWERS, WATER MAINS, AND CONDUITS

Page 144, lines 3-6 are deleted and revised to read:

“Removal of Unsuitable Material Including Haul”, per cubic yard.

The unit contract price per cubic yard for “Removal of Unsuitable Material Including Haul” shall be full pay for all work to remove unsuitable material, haul, and dispose of unsuitable material, as specified in Section 7-08.3(1)A.

BID PROPOSAL FORM
Eaton, Somerset, Willard, and Washington Sewer Project
City of Ferndale

ITEM NO.	APPROX. QUANTITY	ITEM	UNIT PRICE	TOTAL
BASE BID				
1	1 LS	Mobilization 1-09.7		\$
			LS	
2	1 Calc.	Minor Changes 1-04		\$ 15,000.00
			Calc.	
2A	1 LS	Roadway Surveying 1-05		\$
			LS	
3	1 LS	Spill Prevention, Control & Countermeasures Plan 1-07		\$
			LS	
4	610 HR	Flaggers and Spotters 1-10	\$	\$
			per HR	
5	80 HR	Other Traffic Control Labor 1-10	\$	\$
			per HR	
6	1 LS	Project Temporary Traffic Control 1-10		\$
			LS	
7	7,000 LF-IN	Sawcut ACP 2-02	\$	\$
			per LF-IN	
8	1 LS	Removal of Structures and Obstructions 2-02		\$
			LS	
9	25 M. Gal	Water 2-07	\$	\$
			per M. Gal	
10	420 TON	Gravel Base 4-02	\$	\$
			per TON	
11	420 TON	Crushed Surfacing Top Course 4-04	\$	\$
			per TON	
12	270 TON	Commercial HMA 5-04	\$	\$
			per TON	

BID PROPOSAL FORM
Eaton, Somerset, Willard, and Washington Sewer Project
City of Ferndale

ITEM NO.	APPROX. QUANTITY	ITEM	UNIT PRICE	TOTAL
13	1 CALC	Job Mix Compliance Price Adjustment 5-04		\$0.00
			CALC	
14	1 CALC	Compaction Price Adjustment 5-04		\$0.00
			CALC	
15	1 LS	ESC Lead 8-01		\$
			LS	
16	7 EA	Inlet Protection 8-01		\$
			\$ per EA	\$
17	1 EST	Erosion/Water Pollution Control 8-01		\$ 4,000.00
			EST	
18	170 CY	Topsoil Type A 8-01		\$
			\$ per CY	\$
19	1,400 SY	Seeded Lawn Installation 8-02		\$
			\$ per SY	\$
20	1 FA	Landscape Restoration 8-22		\$ 8,000.00
			FA	
21	420 LF	Paint Line 2-02		\$
			\$ per LF	\$
22	4 EA	Removing Manhole 2-02		\$
			\$ per EA	\$
23	2 EA	Removing Cleanout 2-02		\$
			\$ per EA	\$
24	2,210 CY	Structure Excavation CI B Including Haul 2-09		\$
			\$ per CY	\$
25	16,000 SF	Shoring or Extra Excavation CI B 2-09		\$
			\$ per SF	\$

BID PROPOSAL FORM
Eaton, Somerset, Willard, and Washington Sewer Project
City of Ferndale

ITEM NO.	APPROX. QUANTITY	ITEM	UNIT PRICE	TOTAL
26	3,930 TON	Gravel Base 4-02	\$ _____ per TON	\$ _____
27	4 EA	Manhole 48 In. Diam Type 1 7-05	\$ _____ per EA	\$ _____
28	4 EA	Manhole 48 In. Diam Type 3 7-05	\$ _____ per EA	\$ _____
29	1 LS	Adjustments to Finished Grade 7-05	LS	\$ _____
30	300 CY	Removal of Unsuitable Material Including Haul 7-17	\$ _____ per CY	\$ _____
31	350 LF	PVC Sanitary Sewer Pipe, 6 In. Diam. 7-17	\$ _____ per LF	\$ _____
32	470 LF	PVC Sanitary Sewer Pipe, 8 In. Diam. 7-17	\$ _____ per LF	\$ _____
33	1,200 LF	PVC Sanitary Sewer Pipe, 10 In. Diam. 7-17	\$ _____ per LF	\$ _____
34	2 EA	Sewer Cleanout 7-19	\$ _____ per EA	\$ _____
35	540 TON	Quarry Spalls 8-15	\$ _____ per TON	\$ _____
36	35 EA	Pothole Existing Underground Utility 8-30	\$ _____ per EA	\$ _____
37	1 FA	Repair Ex. Public & Private Facilities 8-31	FA	\$ 7,000.00

Subtotal Base Bid \$ _____
Total Sales Tax @ 8.5% (Base Bid Items 22-36) \$ _____
Total Base Bid (Including Tax) \$ _____

BID PROPOSAL FORM
Eaton, Somerset, Willard, and Washington Sewer Project
City of Ferndale

ITEM NO.	APPROX. QUANTITY	ITEM	UNIT PRICE	TOTAL
Alternate A1-Sanitary Sewer Between Eaton and Somerset Alley to Cedar				
A1-1	1 LS	Mobilization 1-09.7		\$
			LS	
A1-2	1 CALC	Minor Changes 1-04		\$ 10,000.00
			CALC	
A1-2A	1 LS	Roadway Surveying 1-05		\$
			LS	
A1-3	1 LS	Spill Prevention, Control & Countermeasures Plan 1-07		\$
			LS	
A1-4	120 HR	Flaggers and Spotters 1-10	\$ per HR	\$
A1-5	15 HR	Other Traffic Control Labor 1-10	\$ per HR	\$
A1-6	1 LS	Project Temporary Traffic Control 1-10		\$
			LS	
A1-7	450 LF-IN	Sawcut ACP 2-02	\$ per LF-IN	\$
A1-8	1 LS	Removal of Structures and Obstructions 2-02		\$
			LS	
A1-9	10 M. Gal	Water 2-07	\$ per M. Gal	\$
A1-10	40 TON	Gravel Base 4-02	\$ per TON	\$
A1-11	160 TON	Crushed Surfacing Top Course 4-04	\$ per TON	\$
A1-12	20 TON	Commercial HMA 5-04	\$ per TON	\$

BID PROPOSAL FORM
Eaton, Somerset, Willard, and Washington Sewer Project
City of Ferndale

ITEM NO.	APPROX. QUANTITY	ITEM	UNIT PRICE	TOTAL
A1- 13	1 CALC	Job Mix Compliance Price Adjustment 5-04		
			CALC	\$0.00
A1- 14	1 CALC	Compaction Price Adjustment 5-04		
			CALC	\$0.00
A1- 15	1 LS	ESC Lead 8-01		
			LS	\$
A1- 16	2 EA	Inlet Protection 8-01		
			\$	\$
			per EA	
A1- 17	1 EST	Erosion/Water Pollution Control 8-01		
			EST	\$ 2,000.00
A1- 18	60 CY	Topsoil Type A 8-01		
			\$	\$
			per CY	
A1- 19	450 SY	Seeded Lawn Installation 8-01		
			\$	\$
			per SY	
A1- 20	1 FA	Landscape Restoration 8-02		
			FA	\$ 5,000.00
A1- 21	30 LF	Paint Line 8-22		
			\$	\$
			per LF	
A1- 22	1 EA	Removing Manhole 2-02		
			\$	\$
			per EA	
A1- 23	550 CY	Structure Excavation CI B Including Haul 2-09		
			\$	\$
			per CY	
A1- 24	4,000 SF	Shoring or Extra Excavation CI B 2-09		
			\$	\$
			per SF	
A1- 25	1600 TON	Gravel Base 4-02		
			\$	\$
			per TON	

BID PROPOSAL FORM
Eaton, Somerset, Willard, and Washington Sewer Project
City of Ferndale

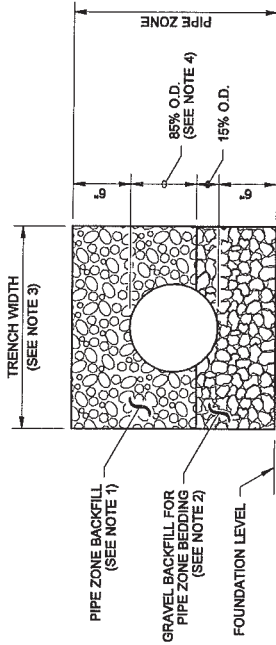
ITEM NO.	APPROX. QUANTITY	ITEM	UNIT PRICE	TOTAL
A1- 26	1 EA	Manhole 48 In. Diam Type 1 7-05	\$ per EA	\$
A1- 27		Left Intentionally Blank		\$0.00
A1- 28	1 LS	Adjustments to Finished Grade 7-05	LS \$	\$
A1- 29	70 CY	Removal of Unsuitable Material Including Haul 7-17	\$ per CY	\$
A1- 30	120 LF	PVC Sanitary Sewer Pipe, 6 In. Diam. 7-17	\$ per LF	\$
A1- 31	435 LF	PVC Sanitary Sewer Pipe, 10 In. Diam. 7-17	\$ per LF	\$
A1- 32	130 TON	Quarry Spalls 8-15	\$ per TON	\$
A1- 33	15 EA	Pothole Existing Underground Utility 8-30	\$ per EA	\$
A1- 34	1 FA	Repair Ex. Public & Private Facilities 8-31	FA \$	5,000.00

Subtotal Alternate A1 \$ _____
Total Sales Tax @ 8.5% (Alternate A1 Bid Items 22-33) \$ _____
Total Alternate A1 (Including Tax) \$ _____

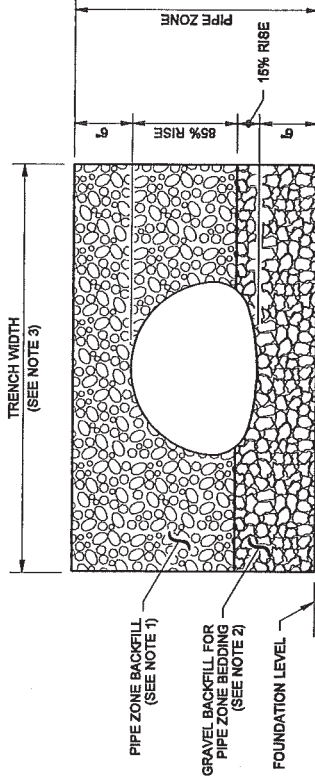
TOTAL BASE BID AND ALTERNATE A1 (INCLUDING TAX) \$ _____

NOTES

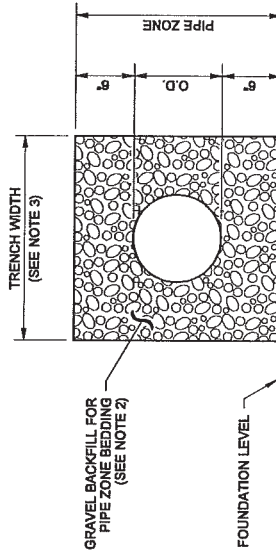
1. See Standard Specifications Section 7-08.3(3) for Pipe Zone Backfill.
2. See Standard Specifications Section 9-03.12(3) for Gravel Backfill for Pipe Zone Bedding.
3. See Standard Specifications Section 2-09.4 for Measurement of Trench Width.
4. For sanitary sewer installation, concrete pipe shall be bedded to spring line.



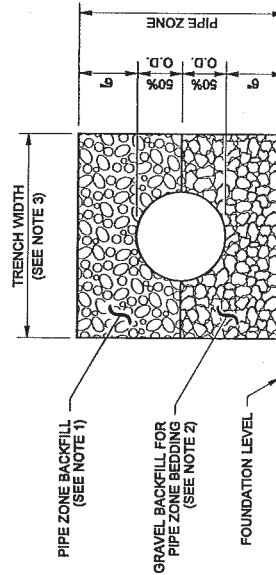
CONCRETE AND DUCTILE IRON PIPE



PIPE ARCHES

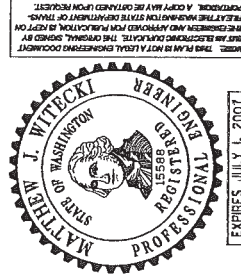


THERMOPLASTIC PIPE



METAL PIPE

CLEARANCE BETWEEN PIPES FOR MULTIPLE INSTALLATIONS		MINIMUM DISTANCE BETWEEN BARRELS
PIPE	SIZE	
CIRCULAR PIPE (DIAMETER)	12" to 24"	12"
	30" to 96"	DIAM. / 2
	102" to 180"	48"
PIPE ARCH (SPAN) METAL ONLY	18" to 36"	12"
	43" to 142"	SPAN / 3
	148" to 200"	48"



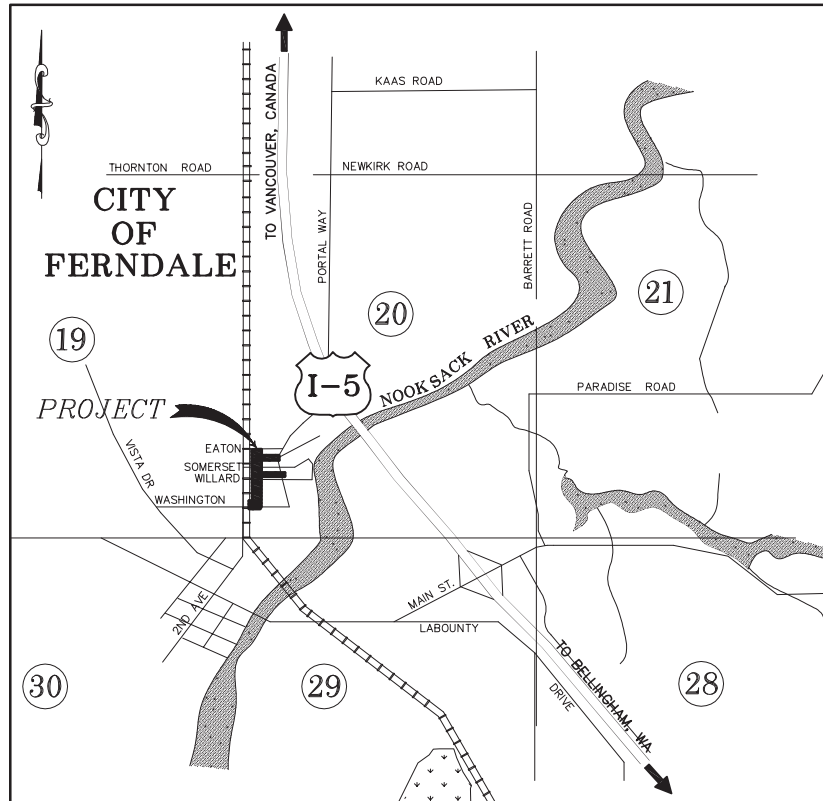
PIPE ZONE BEDDING AND BACKFILL
STANDARD PLAN B-55.20-00
 SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Harold J. Peterfeso 06-01-06
 STATE ENGINEER DATE
 Washington State Department of Transportation

EATON, SOMERSET, WILLARD AND WASHINGTON SEWER PROJECT No. SS2011-01

ADDENDUM 1 CITY OF FERNDALE

VICINITY MAP
NTS



SHEET INDEX

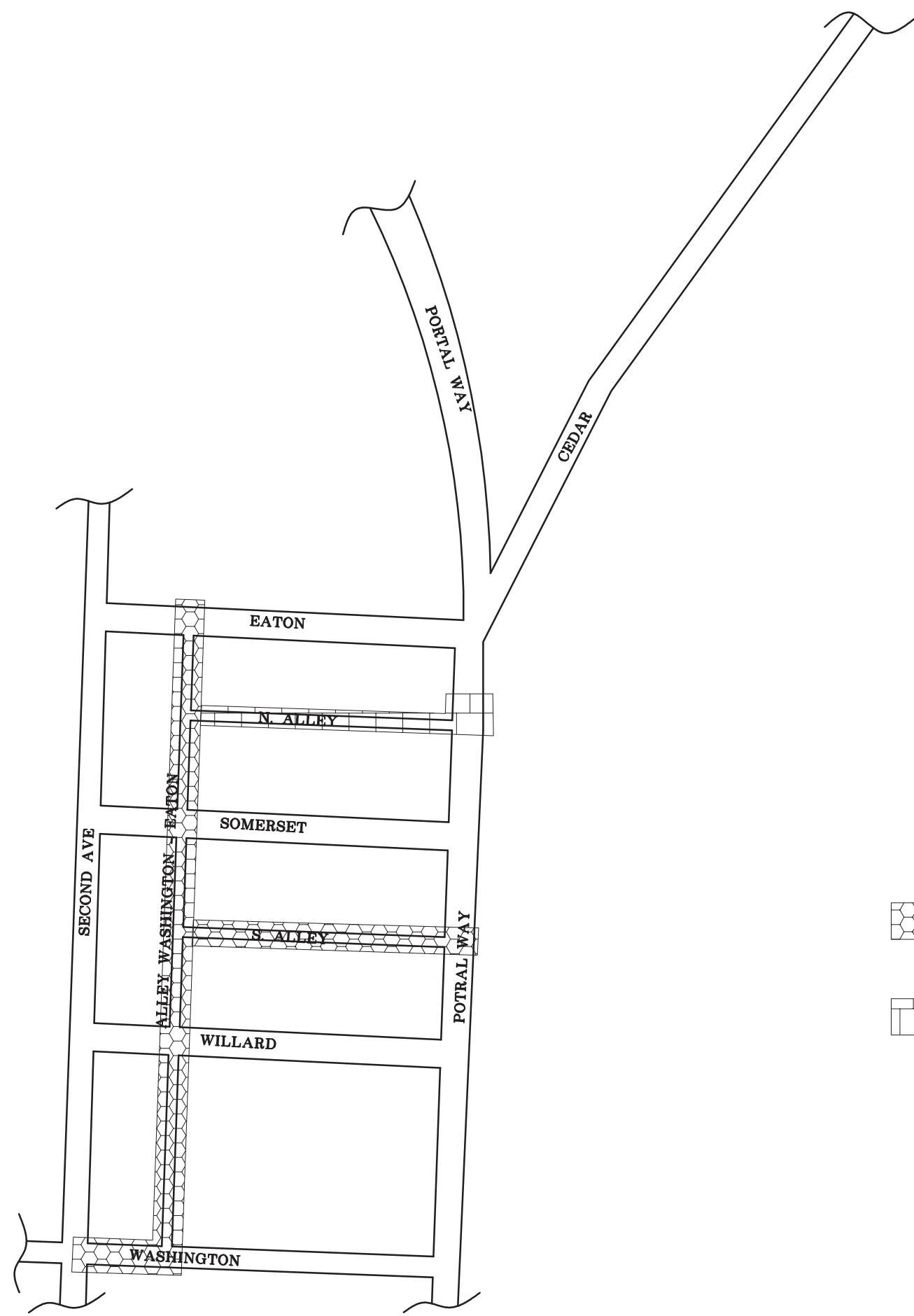
- 1.) COVER SHEET
- 2.) KEY MAP
- 3.) EXISTING CONDITIONS, TESC AND DEMO PLAN
- 4.) EXISTING CONDITIONS, TESC AND DEMO PLAN
- 5.) EXISTING CONDITIONS, TESC AND DEMO PLAN
- 6.) PROPOSED SANITARY SEWER PLAN & PROFILE BASE BID
- 7.) PROPOSED SANITARY SEWER PLAN & PROFILE BASE BID
- 8.) PROPOSED SANITARY SEWER PLAN & PROFILE BASE BID
- 9.) PROPOSED SANITARY SEWER PLAN & PROFILE BASE BID
- 10.) PROPOSED SANITARY SEWER PLAN & PROFILE ALTERNATE A1
- 11.) DETAIL SHEET
- 12.) DETAIL SHEET

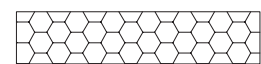

EXISTING	LEGEND	PROPOSED	
--- BB --- BB ---	= EX TOE OF BANK	=====	= PROPOSED AUTOTURN
--- OH --- OH ---	= EX OVERHEAD POWER	-----	= PROPOSED DITCH CL
=====	= EX CONCRETE	=====	= PROPOSED BUILDING
----- 95 -----	= EX MAJOR CONTOUR	--- BB --- BB ---	= PROPOSED TOE OF BANK
----- 95 -----	= EX MINOR CONTOUR	=====	= PROPOSED CONDUIT
-----	= EX CULVERT	--- TB --- TB ---	= PROPOSED TOP OF BANK
-----	= EX DITCH CL	----- 95 -----	= PROPOSED MAJOR CONTOUR
--- X --- X ---	= EX FENCE	----- 95 -----	= PROPOSED MINOR CONTOUR
--- FO --- FO ---	= EX FIBER OPTICS LINE	--- X --- X ---	= PROPOSED FENCE
--- G --- G --- G ---	= EX GAS MAIN	--- O --- O --- O ---	= PROPOSED HANDRAIL
--- O --- O --- O ---	= EX GUARDRAIL	-----	= PROPOSED CONSTRUCTION EASEMENT
-----	= EX GRAVEL	--- FM --- FM ---	= PROPOSED SANITARY SEWER FORCE MAIN
-----	= EX PROPERTY BOUNDARY	--- FO --- FO ---	= PROPOSED FIBER OPTICS
--- PR --- PR ---	= EX POWER BURIED	-----	= PROPOSED GRADE BREAK
-----	= EX ROAD CL	--- O --- O --- O ---	= PROPOSED GUARDRAIL
-----	= EX EDGE OF PAVEMENT	-----	= PROPOSED GRAVEL
-----	= EX RIGHT OF WAY	-----	= PROPOSED PATH
-----	= EX TREE LINE	-----	= PROPOSED PARKING STRIPE
--- SD --- SD ---	= EX STORM DRAIN	-----	= PROPOSED TRAFFIC STRIPE
--- TS --- TS ---	= EX TRAFFIC SIGNAL CONDUCTOR	-----	= PROPOSED ROCK WALL
--- SS --- SS ---	= EX SANITARY SEWER	-----	= PROPOSED BACK OF CURB
-----	= EX TRAFFIC STRIPING	-----	= PROPOSED ROAD CL
-----	= EX PARKING STRIPING	-----	= PROPOSED ROAD EDGE OF PAVEMENT
--- TB --- TB ---	= EX TOP OF BANK	-----	= PROPOSED ROAD FACE OF CURB
--- T --- T --- T ---	= EX TELEPHONE LINE	-----	= PROPOSED ROAD LIP OF GUTTER
--- OT --- OT ---	= EX OVERHEAD TELEPHONE	-----	= PROPOSED RIGHT OF WAY
--- TV --- TV ---	= EX TV LINE	-----	= PROPOSED SAWCUT
--- W --- W --- W ---	= EX WATER LINE	--- SD ---	= PROPOSED STORM DRAIN
-----	= EX SIDEWALK	--- SD ---	= PROPOSED FIELD STORM DRAIN
-----	= EX WETLANDS BOUNDARY	--- TS --- TS ---	= PROPOSED TRAFFIC SIGNAL CONDUCTOR
-----	= EX EASEMENT	--- X --- X ---	= PROPOSED SILT FENCE
--- FM --- FM ---	= EX GRADE BREAK	--- SS ---	= PROPOSED SANITARY SEWER
-----	= EX SANITARY SEWER FORCE MAIN	-----	= PROPOSED TREE LINE
-----	= EX FLOWLINE	--- W ---	= PROPOSED WATERMAIN
-----	= EXISTING RR TRACKS	-----	= PROPOSED SIDEWALK
-----	= EX BUILDING	-----	= PROPOSED PAVEMENT VALLEY
-----	= EX CONCRETE	-----	
-----	= EX MONITORING WELL	-----	
-----	= EX SOIL BORING LOCATION	-----	
-----	= EX GUY WIRE	-----	
-----	= EX STORM CLEANOUT	-----	
-----	= EX SEWER CLEANOUT	-----	
-----	= EX JBOX	-----	
-----	= EX STREET LIGHT	-----	
-----	= EX MAIL BOX	-----	
-----	= EX WATER METER	-----	
-----	= EX WATER SPIGOT	-----	
-----	= EX WATER VALVE	-----	
-----	= EX FIRE HYDRANT	-----	
-----	= EX TRAFFIC SIGNAL VAULT	-----	
-----	= EX SEWER MANHOLE	-----	
-----	= EX STORM DRAIN CATCH BASIN TYPE I	-----	
-----	= EX STORM DRAIN CATCH BASIN TYPE II	-----	
-----	= EX UTILITY POLE	-----	
-----	= EX GAS METER	-----	
-----	= EX TRANSFORMER PAD	-----	
-----	= EX POWER VAULT	-----	
-----	= EX SIGN	-----	
-----	= EX TELEPHONE PEDESTAL	-----	
-----	= EX SIGNAL POLE AND ARM W/ LUMINAIRE	-----	
-----	= EX TREE	-----	
-----	= EX VEGETATION	-----	




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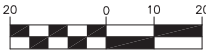
 = BASE BID
 = ALTERNATE A1



DESIGNED BY LP DRAWN BY LMC CHECKED BY LP	 REICHHARDT & EBE ENGINEERING, INC. CONSULTING ENGINEERS PO Box 978 423 Front St., Ste 201 Ph (360) 354-3687 Lynden, Washington 98264 Fax (360) 354-0407	NO. DATE 9-19-11	ADDENDUM 1 REVISION	LP BY	CITY OF FERDALE 2095 MAIN ST FERDALE, WA 98248	EATON, SOMERSET, WILLARD AND WASHINGTON SEWER PROJECT KEY MAP	JOB# / DWG 11007.1 AD1 SP2	DATE 9-19-11
							SCALE H:n/a V:n/a	SHEET 2 of 12

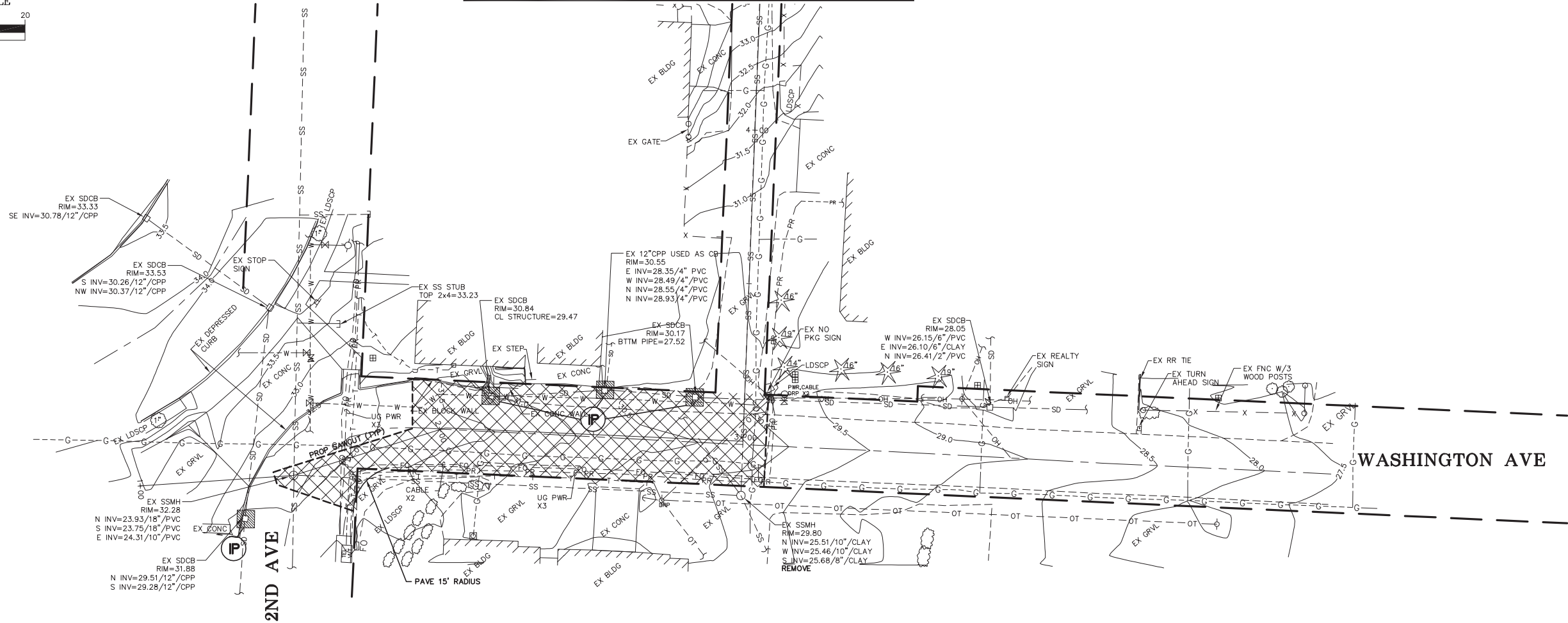
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GRAPHIC SCALE

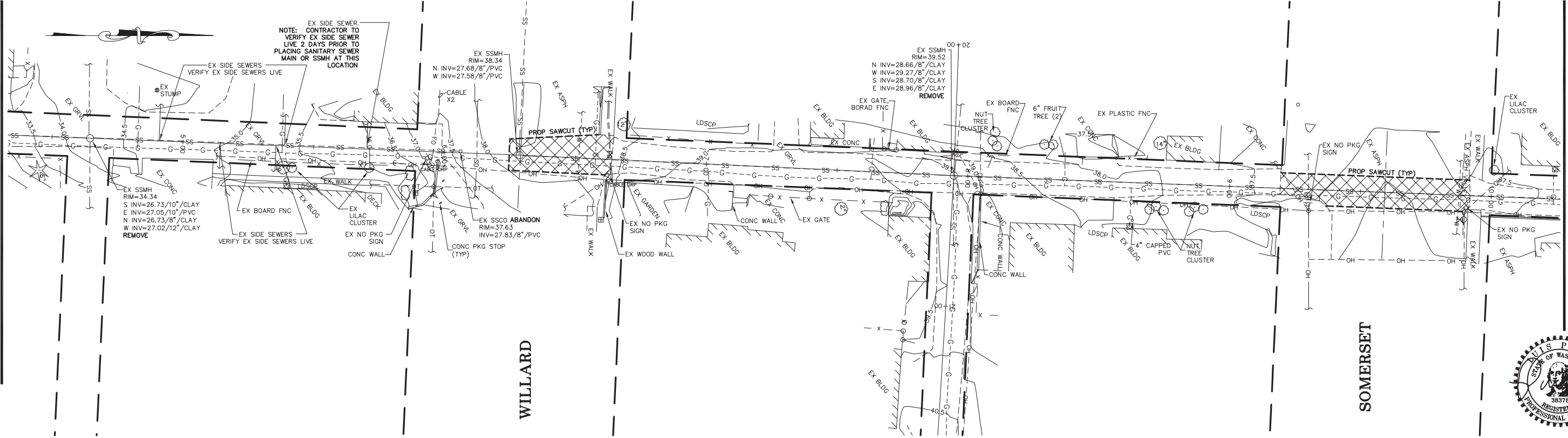


(IN FEET)
1 inch = 20 ft.

IP = INLET PROTECTION



MATCHLINE THIS SHEET



MATCHLINE SHT 4



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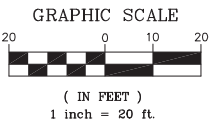
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NO.	DATE	REVISION
		BY

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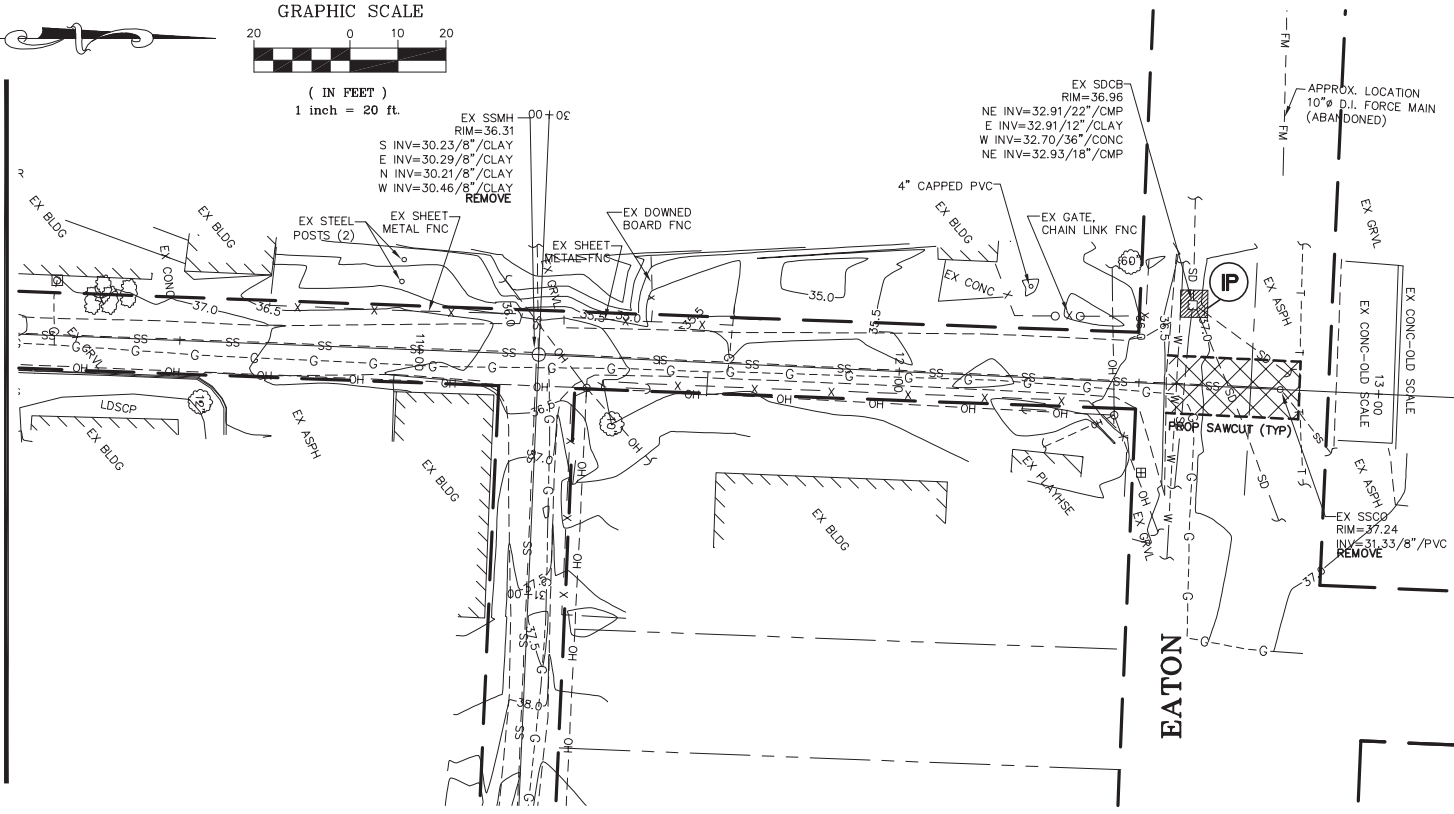
EATON, SOMERSET, WILLARD AND
WASHINGTON SEWER PROJECT
EXISTING CONDITIONS, TESC AND DEMO PLAN

JOB# / DWG 11007.1 AD1 SP2
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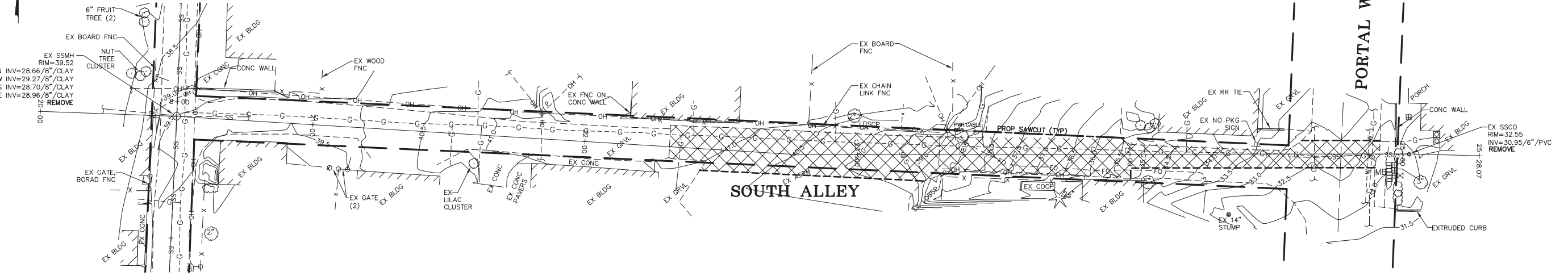
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SHEET 3 of 12



MATCHLINE SHT 3



P = INLET PROTECTION



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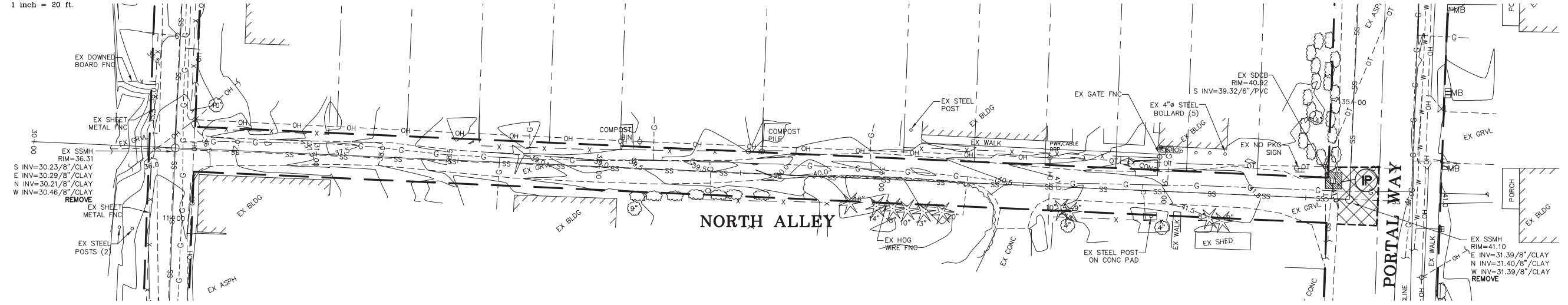
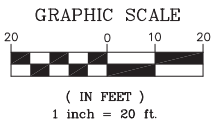


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FERDALE, WA 98248

EATON, SOMERSET, WILLARD AND WASHINGTON SEWER PROJECT
EXISTING CONDITIONS, TESC AND DEMO PLAN

JOB# / DWG 11007.1 AD1 SP2	DATE 9-19-11
SCALE H:1"=20' v:n/a	SHEET 4 of 12



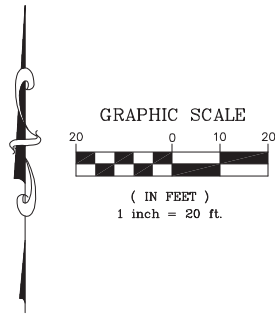
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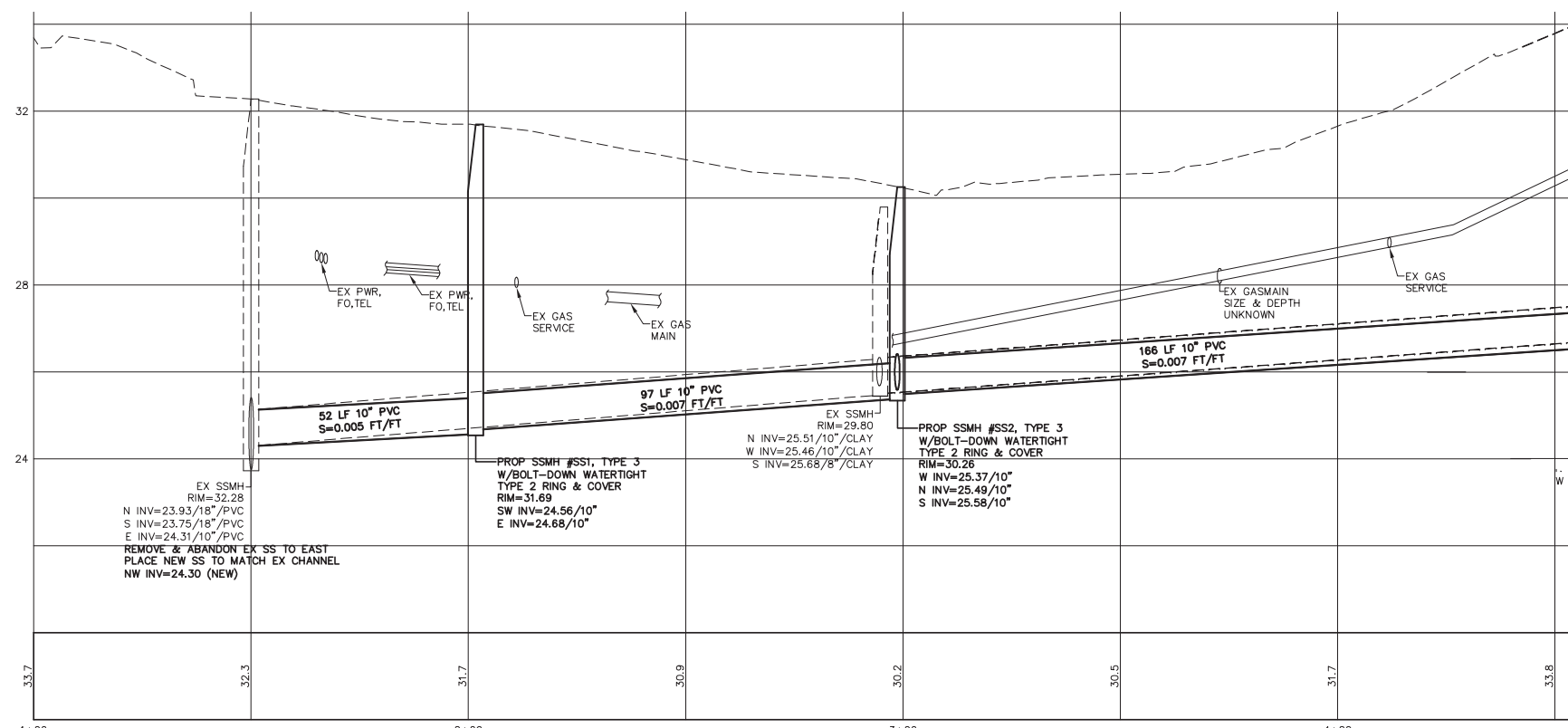
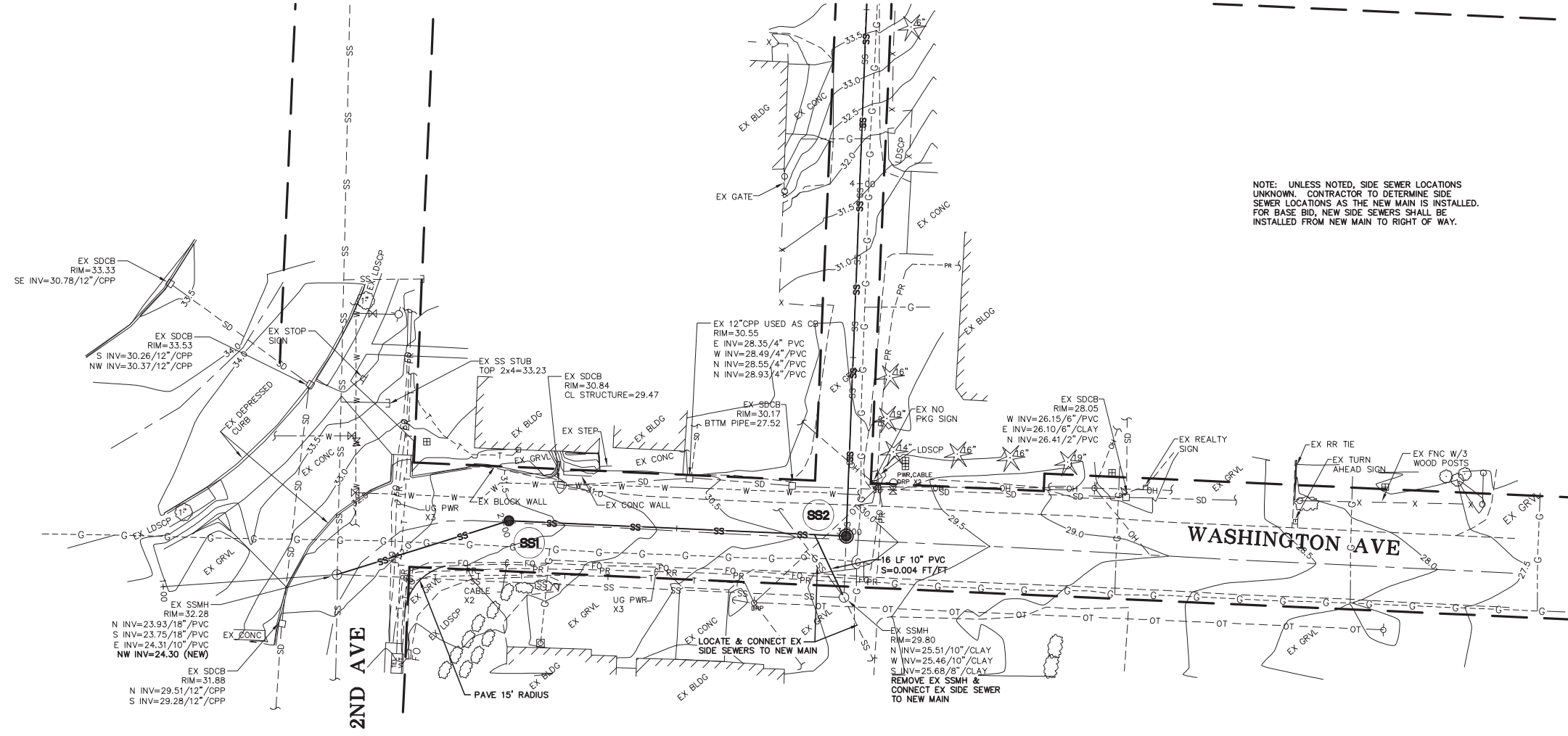
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DRAWN BY LMC		NO.	DATE	BY			SCALE H:1"=20' v:n/a	SHEET 5 of 12
CHECKED BY LP		REVISION						

MATCHLINE SHT 7

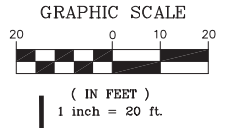


NOTE: UNLESS NOTED, SIDE SEWER LOCATIONS UNKNOWN. CONTRACTOR TO DETERMINE SIDE SEWER LOCATIONS AS THE NEW MAIN IS INSTALLED. FOR BASE BID, NEW SIDE SEWERS SHALL BE INSTALLED FROM NEW MAIN TO RIGHT OF WAY.



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DRAWN BY LMC		NO.	DATE	BY			SCALE H:1"=20' V:1"=2'	SHEET 6 of 12
CHECKED BY LP								

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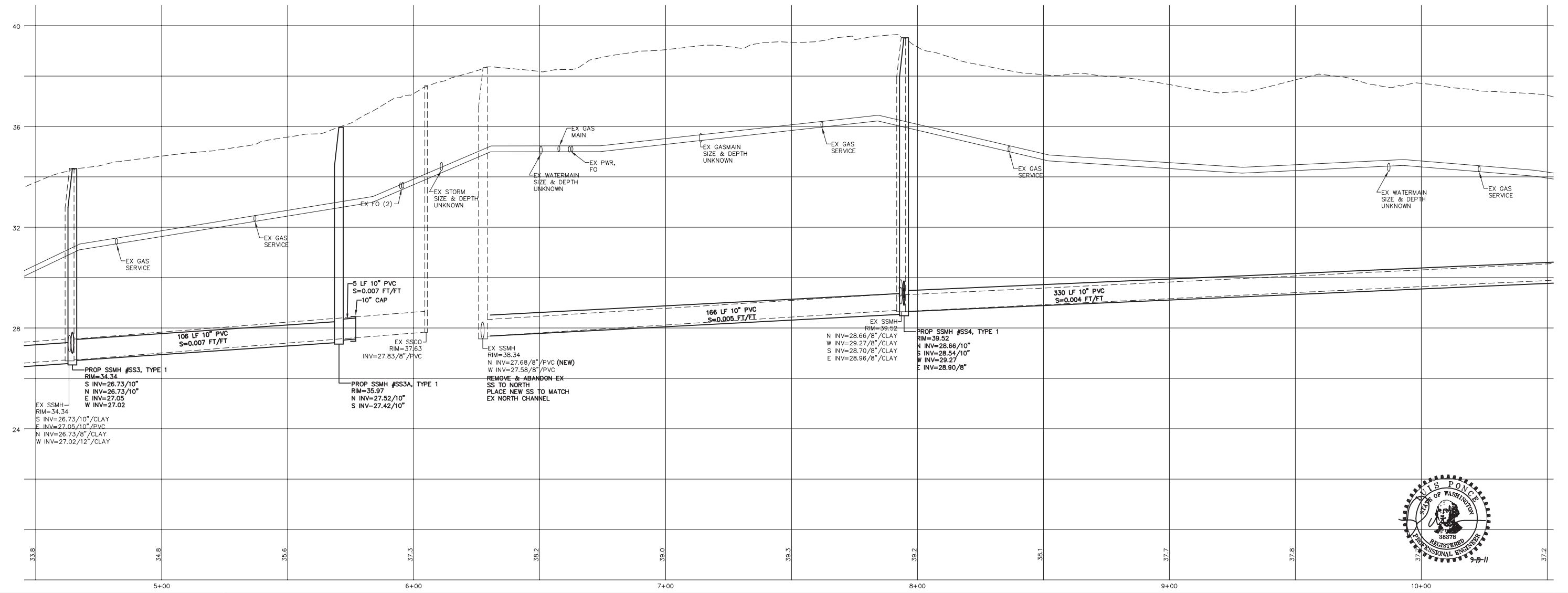
MATCHLINE SHT 6

MATCHLINE SHT 8

NOTE: CONTRACTOR TO VERIFY EX SIDE SEWER LIVE 2 DAYS PRIOR TO PLACING SANITARY SEWER MAIN OR SSMH AT THIS LOCATION

NOTE: UNLESS NOTED, SIDE SEWER LOCATIONS UNKNOWN. CONTRACTOR TO DETERMINE SIDE SEWER LOCATIONS AS THE NEW MAIN IS INSTALLED. FOR BASE BID, NEW SIDE SEWERS SHALL BE INSTALLED FROM NEW MAIN TO RIGHT OF WAY.

SHT 9 FOR CONTINUATION



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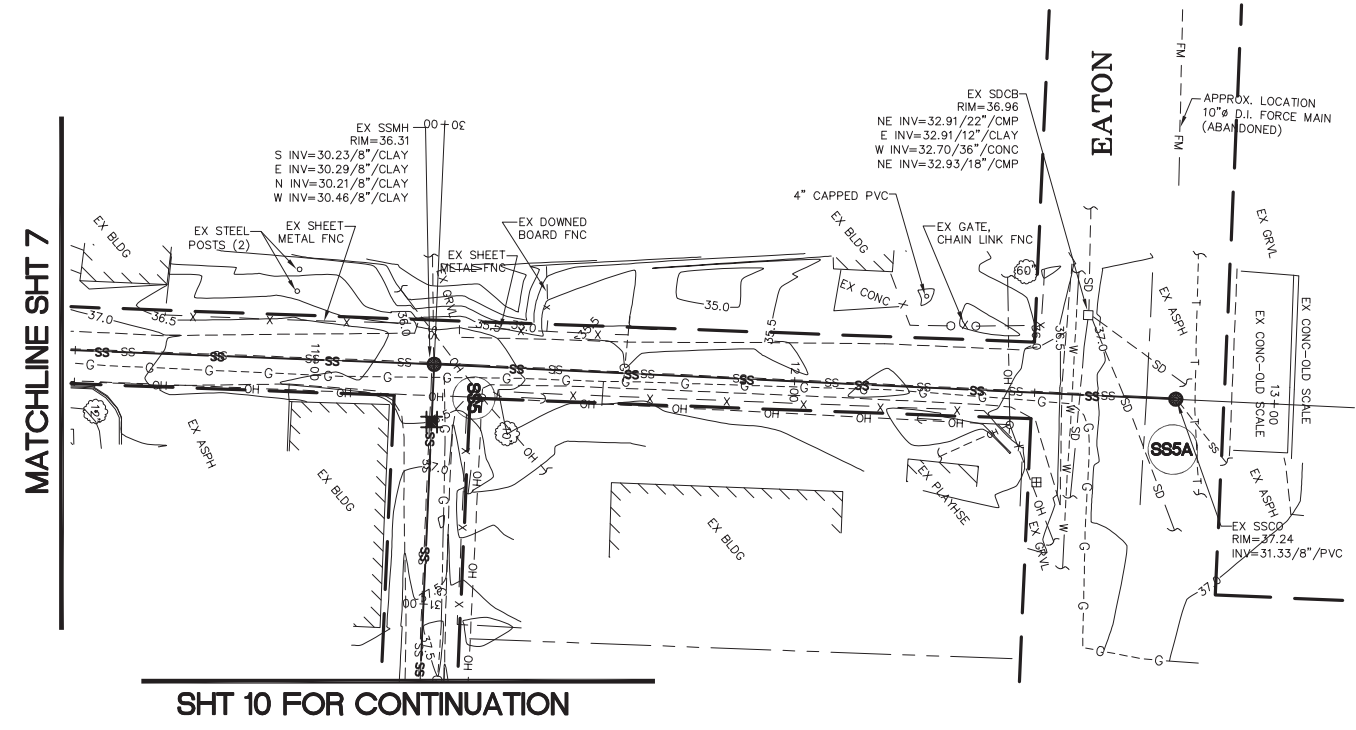
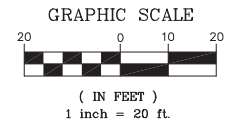
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	9-19-11	ADDENDUM 1	LP

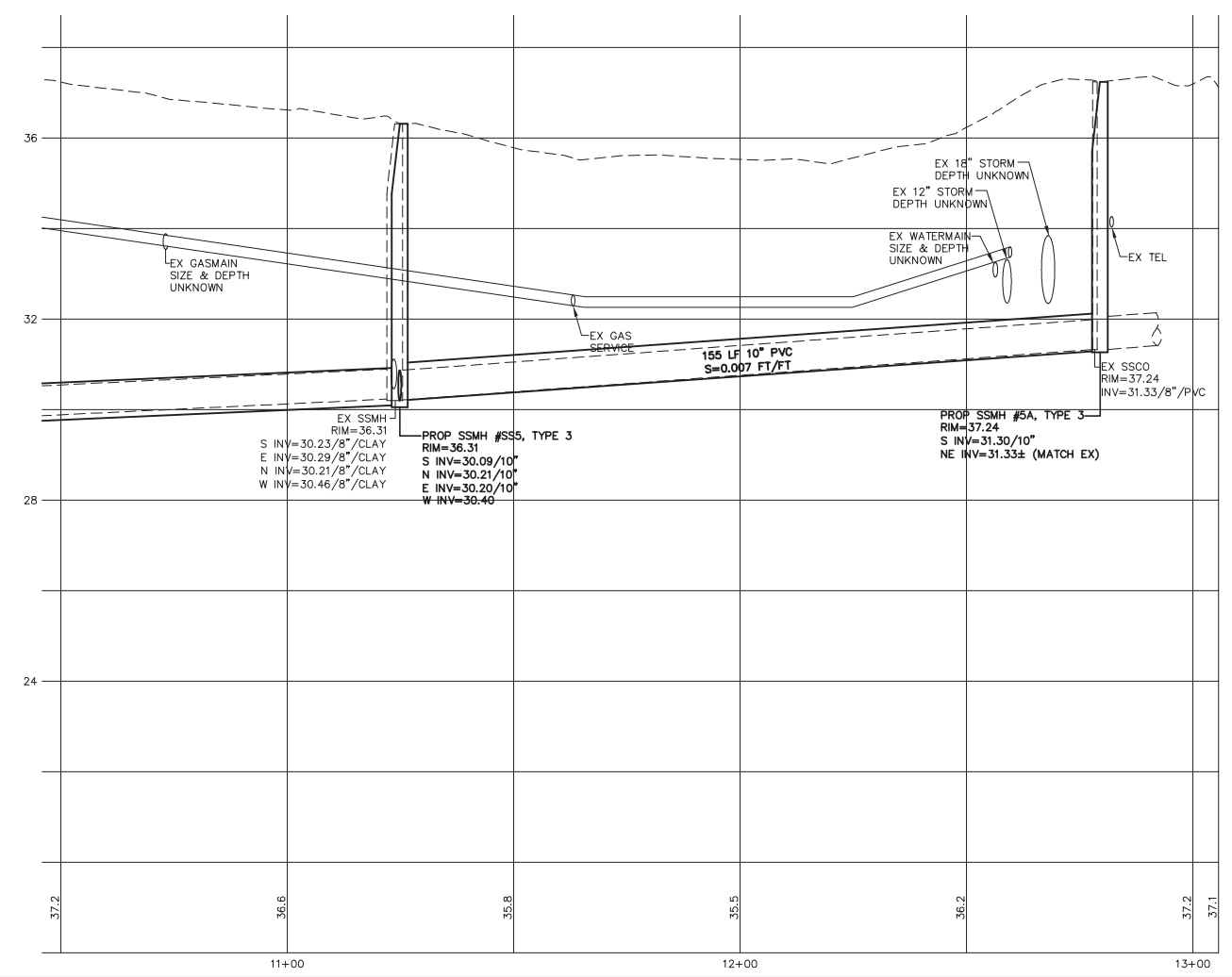
CITY OF FERDALE
2095 MAIN ST
FERDALE, WA 98248

EATON, SOMERSET, WILLARD AND WASHINGTON SEWER PROJECT
PROPOSED SANITARY SEWER BASE BID

JOB# / DWG	DATE
11007.1 AD1 SP2	9-19-11
SCALE	SHEET
H: 1" = 20' V: 1" = 2'	7 of 12



NOTE: UNLESS NOTED, SIDE SEWER LOCATIONS UNKNOWN. CONTRACTOR TO DETERMINE SIDE SEWER LOCATIONS AS THE NEW MAIN IS INSTALLED. FOR BASE BID, NEW SIDE SEWERS SHALL BE INSTALLED FROM NEW MAIN TO RIGHT OF WAY.



9-B-11

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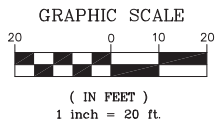
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	9-19-11	ADDENDUM 1	LP

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 2095 MAIN ST
 FERDALE, WA 98248

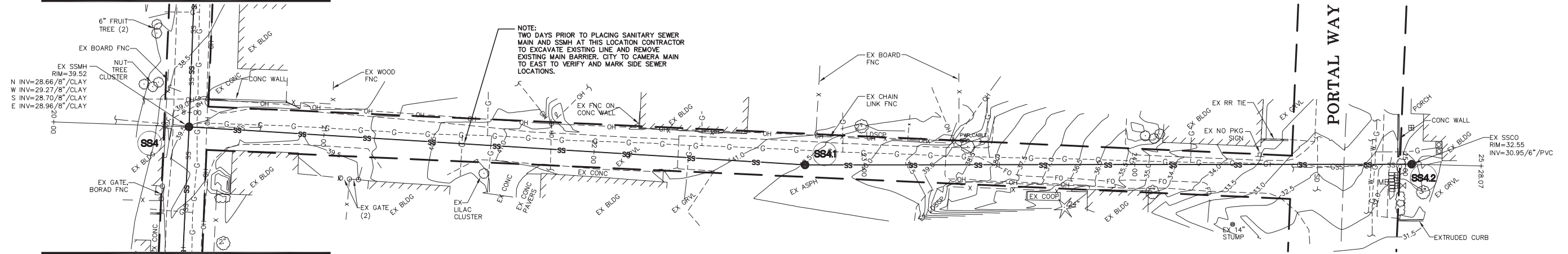
EATON, SOMERSET, WILLARD AND WASHINGTON SEWER PROJECT
 PROPOSED SANITARY SEWER BASE BID

JOB# / DWG	DATE
11007.1 AD1 SP2	9-19-11
SCALE	SHEET
H:1"=20' V:1"=2'	8 of 12

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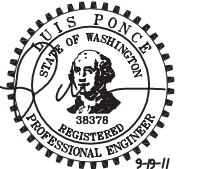
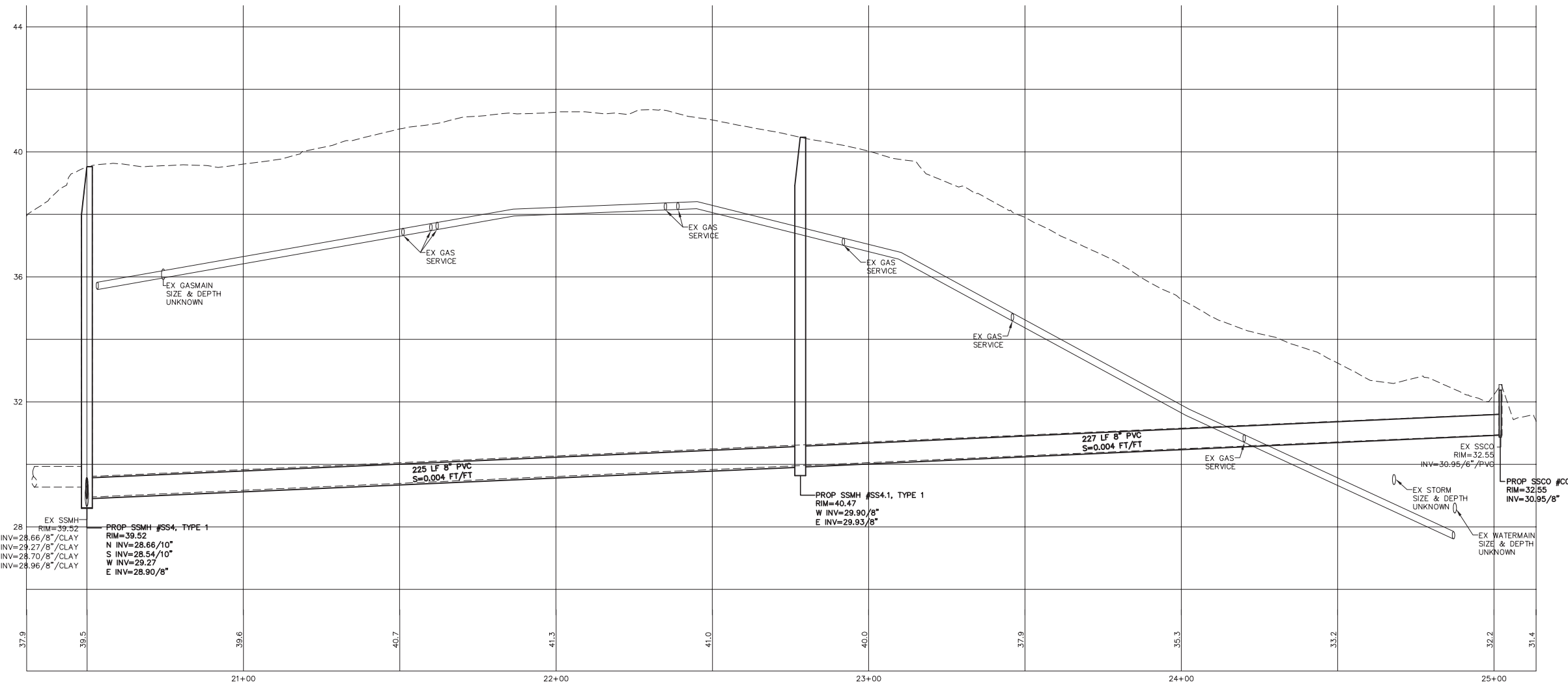


SHT 7 FOR CONTINUATION



NOTE: UNLESS NOTED, SIDE SEWER LOCATIONS UNKNOWN. CONTRACTOR TO DETERMINE SIDE SEWER LOCATIONS AS THE NEW MAIN IS INSTALLED. FOR BASE BID, NEW SIDE SEWERS SHALL BE INSTALLED FROM NEW MAIN TO RIGHT OF WAY.

SHT 7 FOR CONTINUATION



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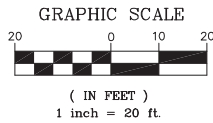
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NO.	DATE	REVISION
		BY

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2095 MAIN ST
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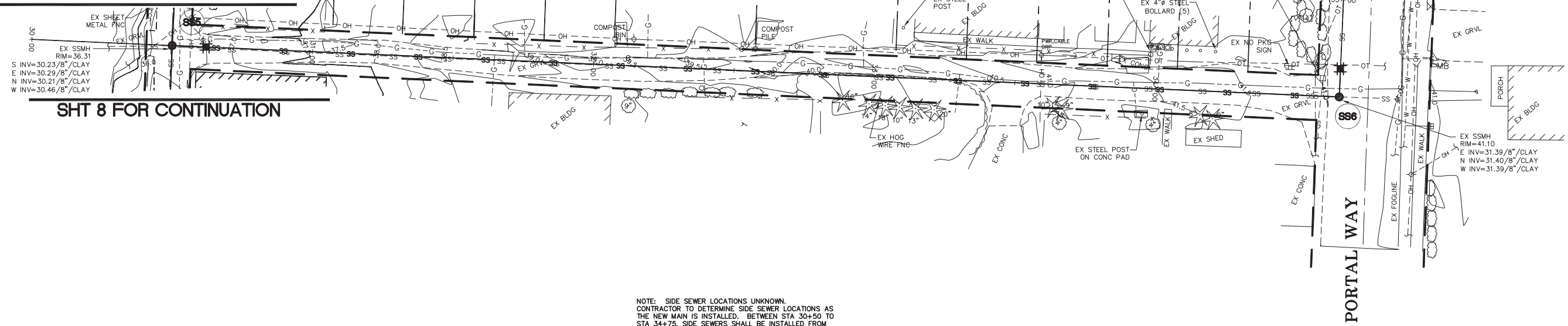
EATON, SOMERSET, WILLARD AND WASHINGTON SEWER PROJECT
PROPOSED SANITARY SEWER BASE BID

JOB# / DWG	11007.1 AD1 SP2	DATE	9-19-11
SCALE	H:1"=20' V:1"=2'	SHEET	9 of 12

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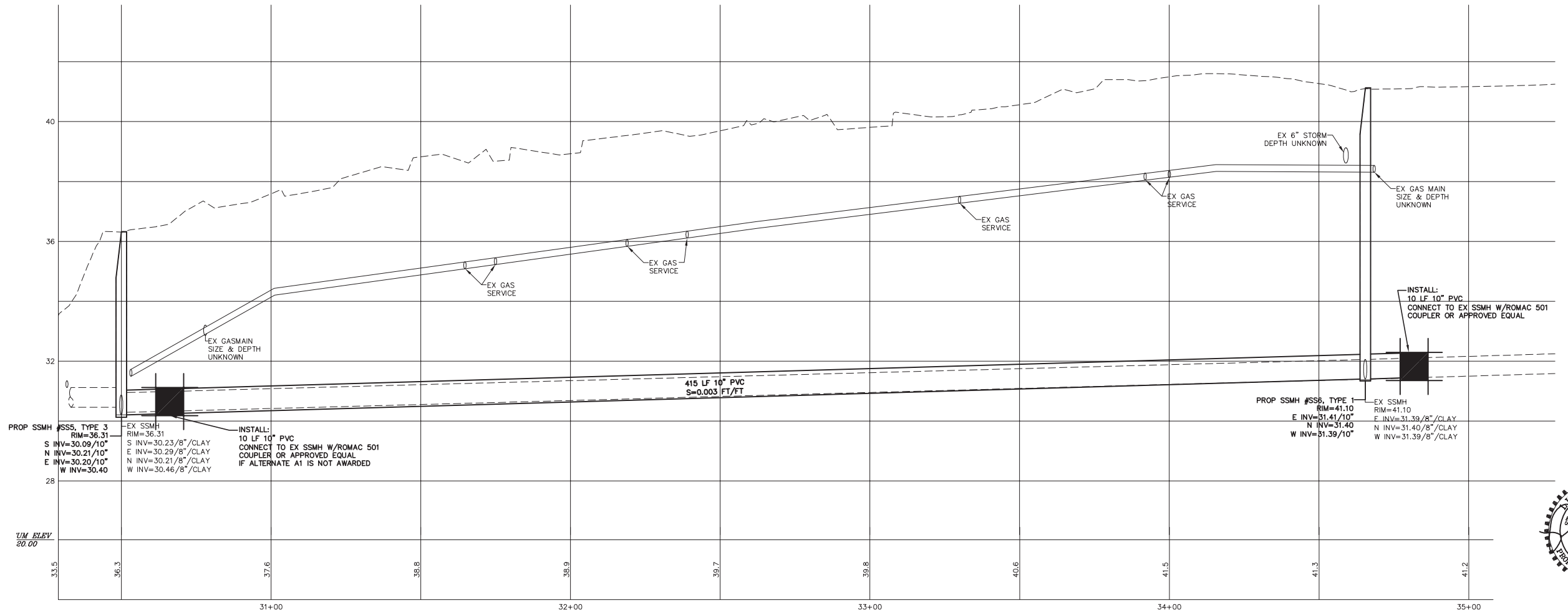


SHT 8 FOR CONTINUATION



SHT 8 FOR CONTINUATION

NOTE: SIDE SEWER LOCATIONS UNKNOWN. CONTRACTOR TO DETERMINE SIDE SEWER LOCATIONS AS THE NEW MAIN IS INSTALLED. BETWEEN STA 30+50 TO STA 34+75, SIDE SEWERS SHALL BE INSTALLED FROM THE NEW MAIN TO THE RIGHT OF WAY.



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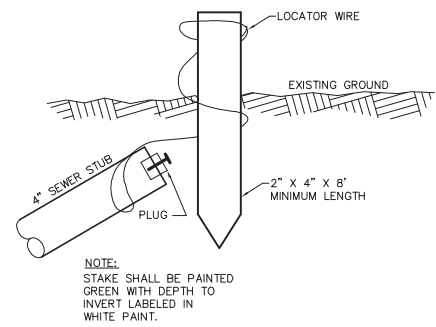
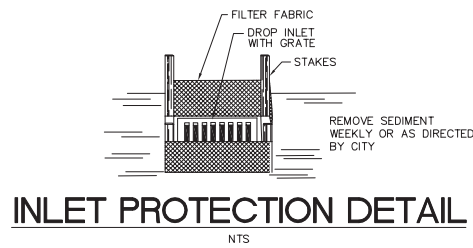
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9-19-11	ADDENDUM 1		LP

CITY OF FERDALE
2095 MAIN ST
FERDALE, WA 98248

EATON, SOMERSET, WILLARD AND WASHINGTON SEWER PROJECT
PROPOSED SANITARY SEWER ALTERNATE A1

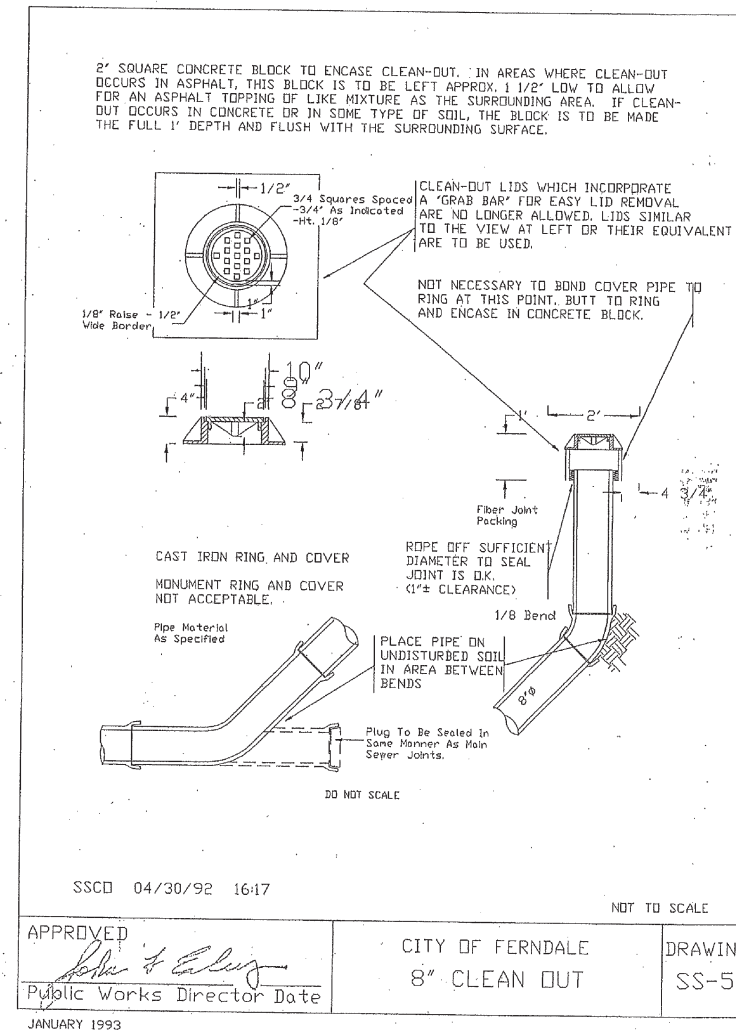
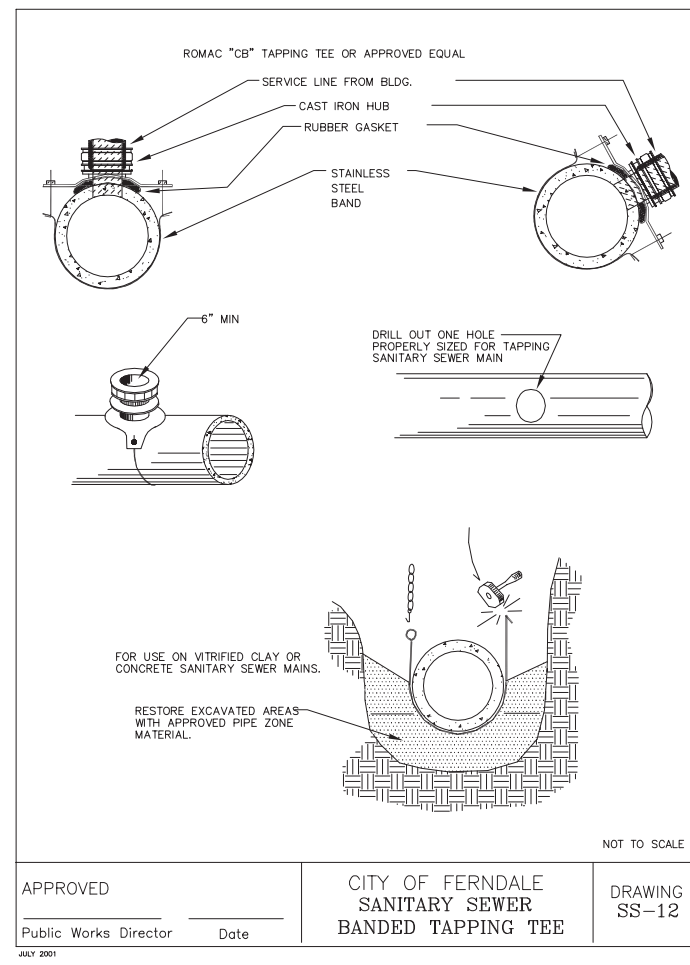
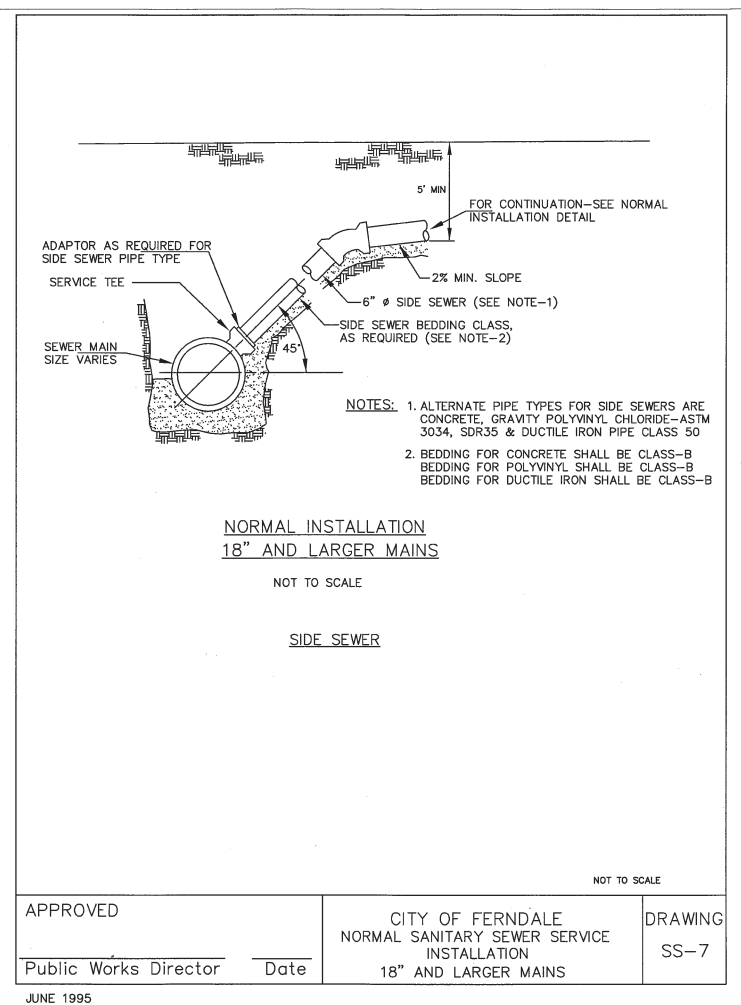
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GENERAL EROSION CONTROL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. ALL CUT AND FILL SLOPES SHALL BE SEEDED AND FERTILIZED FOR EROSION CONTROL. CONTRACTOR SHALL BE RESPONSIBLE FOR SLOPE EROSION UNTIL VEGETATION IS FIRMLY ESTABLISHED.
3. CONTRACTOR SHALL INFORM THE ENGINEER AND OBTAIN APPROVAL FROM THE ENGINEER OF ANY PROPOSED CHANGES IN PLAN PRIOR TO CONSTRUCTION OF THAT CHANGE. CONTRACTOR SHALL KEEP RECORD OF DEVIATIONS AND FORWARD TO THE ENGINEER.
4. CONTRACTOR WILL HAVE A WATER TRUCK AVAILABLE ON SITE AT ALL TIMES. CONTRACTOR WILL WATER SURFACES OFTEN ENOUGH TO ABATE DUST AS APPROVED BY THE ENGINEER. WATERING WILL INCLUDE WEEKENDS AND HOLIDAYS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF THE SEDIMENTATION AND EROSION CONTROL MEASURES AS SHOWN.
6. THE CONSTRUCTED EROSION CONTROL AND SEDIMENTATION PLAN SHALL BE APPROVED BY THE ENGINEER PRIOR TO PERFORMING ANY SITE GRADING OR CLEARING.
7. MAINTENANCE AND OPERATION OF THE EROSION CONTROL AND SEDIMENTATION SYSTEM SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF THE SEDIMENTATION AND EROSION CONTROL MEASURES.
8. ANY VEGETATION NOT IN THE CONSTRUCTION AREA SHALL BE LEFT UNDISTURBED.
9. ALL CLEARING LIMITS SHALL BE VISIBLY MARKED PRIOR TO CLEARING.
10. ALL STORM DRAIN FACILITIES WITHIN THE PROJECT BOUNDARY, OR WHICH ARE IMPACTED BY THE PROJECT ARE TO BE CLEARED OF SEDIMENT AND DEBRIS PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.
11. THIS PLAN REPRESENTS THE MINIMUM REQUIREMENTS FOR THIS PROJECT. ADDITIONAL EROSION CONTROL MAY BE REQUIRED BY THE ENGINEER AS ARE FOUND NECESSARY.
12. THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE INSTALLED PRIOR TO ALL OTHER SITE CONSTRUCTION.
13. REFERENCE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE & MUNICIPAL CONSTRUCTION, 2008 FOR STREET SWEEPING REQUIREMENTS.



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2095 MIAN STREET
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EATON, SOMERSET, WILLARD AND
WASHINGTON SEWER PROJECT
DETAIL SHEET

JOB# / DWG	DATE
11007.1 AD1 DET2	9-19-11
SCALE	SHEET
H:n/a V:n/a	12 of 12