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

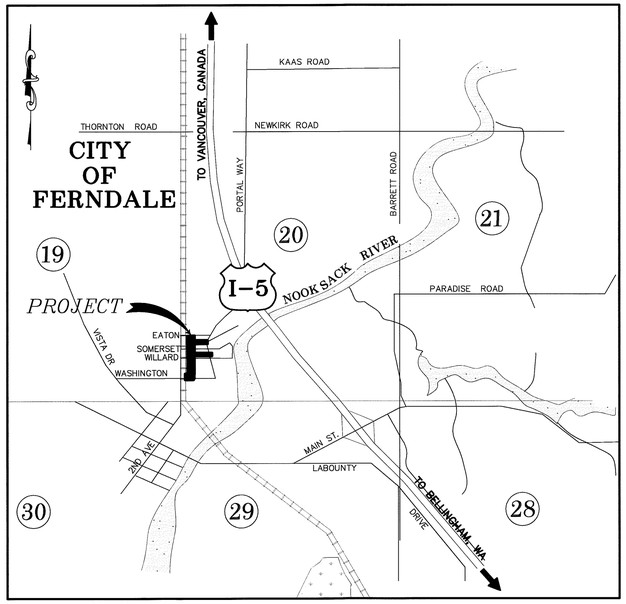
ADDENDUM 1

CITY OF FERNDALE

00852.001 3/26/13 SH

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

LEGEND

EXISTING

- = EX TOE OF BANK
- = EX OVERHEAD POWER
- = EX CONCRETE
- = EX MAJOR CONTOUR
- = EX MINOR CONTOUR
- = EX CULVERT
- = EX DITCH CL
- = EX FENCE
- = EX FIBER OPTICS LINE
- = EX GAS MAIN
- = EX GUARDRAIL
- = EX GRAVEL
- = EX PROPERTY BOUNDARY
- = EX POWER BURIED
- = EX ROAD CL
- = EX EDGE OF PAVEMENT
- = EX RIGHT OF WAY
- = EX TREE LINE
- = EX STORM DRAIN
- = EX TRAFFIC SIGNAL CONDUCTOR
- = EX SANITARY SEWER
- = EX TRAFFIC STRIPING
- = EX PARKING STRIPING
- = EX TOP OF BANK
- = EX TELEPHONE LINE
- = EX OVERHEAD TELEPHONE
- = EX TV LINE
- = EX WATER LINE
- = EX SIDEWALK
- = EX WETLANDS BOUDARY
- = EX EASEMENT
- = EX GRADE BREAK
- = EX SANITARY SEWER FORCE MAIN
- = EX FLOWLINE
- = EXISTING RR TRACKS
- = EX BUILDING
- = 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

PROPOSED

- = PROPOSED AUTOTURN
- = PROPOSED DITCH CL
- = PROPOSED BUILDING
- = PROPOSED TOE OF BANK
- = PROPOSED CONDUIT
- = PROPOSED TOP OF BANK
- = PROPOSED MAJOR CONTOUR
- = PROPOSED MINOR CONTOUR
- = PROPOSED FENCE
- = PROPOSED HANDRAIL
- = PROPOSED CONSTRUCTION EASEMENT
- = PROPOSED SANITARY SEWER FORCE MAIN
- = PROPOSED FIBER OPTICS
- = PROPOSED GRADE BREAK
- = PROPOSED GUARDRAIL
- = PROPOSED GRAVEL
- = PROPOSED PATH
- = PROPOSED PARKING STRIPE
- = PROPOSED TRAFFIC STRIPE
- = PROPOSED ROCK WALL
- = PROPOSED BACK OF CURB
- = PROPOSED ROAD CL
- = PROPOSED ROAD EDGE OF PAVEMENT
- = PROPOSED ROAD FACE OF CURB
- = PROPOSED ROAD LIP OF GUTTER
- = PROPOSED RIGHT OF WAY
- = PROPOSED SAWCUT
- = PROPOSED STORM DRAIN
- = PROPOSED FIELD STORM DRAIN
- = PROPOSED TRAFFIC SIGNAL CONDUCTOR
- = PROPOSED SILT FENCE
- = PROPOSED SANITARY SEWER
- = PROPOSED TREE LINE
- = PROPOSED WATERMAIN
- = PROPOSED SIDEWALK
- = PROPOSED PAVEMENT VALLEY
- = PROPOSED ACP REMOVAL
- = PROPOSED DEMOLITION AREA
- = PROPOSED ASPHALT APRON
- = PROPOSED RIGHT OF WAY TAKE
- = PROPOSED CONC. SIDEWALK / DRIVEWAY
- = PROPOSED INFILTRATION TRENCH
- = PROPOSED INFILTRATION FILTER MEDIA
- = PROPOSED BUILDING
- = PROPOSED MONITORING WELL
- = PROPOSED STORM DRAIN CATCH BASIN TYPE I
- = PROPOSED STORM DRAIN CATCH BASIN TYPE II
- = PROP STORM CLEANOUT
- = PROPOSED STORM DRAIN INLET
- = PROPOSED SANITARY SEWER MANHOLE
- = PROPOSED SANITARY SEWER MANHOLE
- = PROPOSED SANITARY SEWER CLEAN OUT
- = PROPOSED HYDRANT
- = PROPOSED WATER METER
- = PROPOSED WATER VALVE
- = PROPOSED COUPLER
- = PROPOSED UTILITY POLE
- = PROPOSED SIGN
- = FLOW ARROW
- = PROPOSED TREE

APPROVED

MAR 22 2013

BY J. M. Lapp, P.E.

CITY OF FERNDALE

DATE: 1-15-13

AS-BUILT

LUIS PANTOJA STATE OF WASHINGTON 38378 REGISTERED PROFESSIONAL ENGINEER 11/6/13

DESIGNED BY LP	R&E	REICHHARDT & EBE ENGINEERING, INC. CONSULTING ENGINEERS PO Box 978 423 Front St., Ste 201 Lynden, Washington 98264 Ph (360) 354-3687 Fax (360) 354-0407			
DRAWN BY LMC					
CHECKED BY LP			NO.	DATE	REVISION / BY

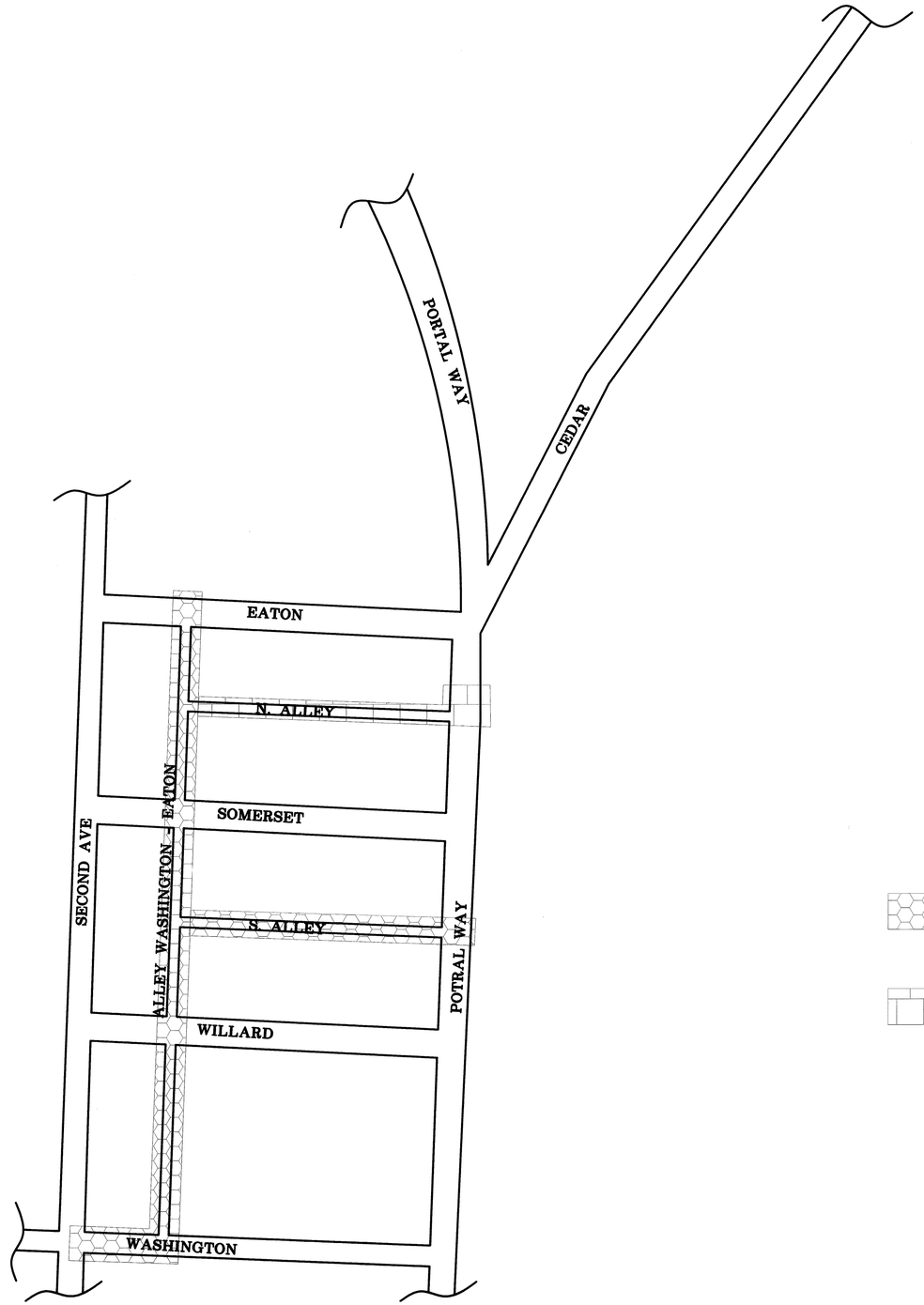
CITY OF FERNDALE
2095 MAIN ST
FERNDALE, WA 98248

EATON, SOMERSET, WILLARD AND WASHINGTON SEWER PROJECT

COVER SHEET

JOB# / DWG	DATE
11007.1 AD1 SP2.AB	9-19-11
SCALE H: n/a V: n/a	SHEET 1 of 12

11007dwg\ADDENDUM 1 9-9-11\SP2.AB.dwg, COV, 11/5/2013 10:11:36 AM



= BASE BID

= ALTERNATE A1

APPROVED
MAR 22 2013
BY _____, P.E.
CITY OF FERNDALE

SUBMITTED WITH DESIGN PLAN

LUIS PONCE
STATE OF WASHINGTON
46378
REGISTERED PROFESSIONAL ENGINEER
11/6/13

DESIGNED BY LP DRAWN BY LMC CHECKED BY LP	R&E REICHHARDT & EBE ENGINEERING, INC. CONSULTING ENGINEERS PO Box 978 423 Front St., Ste 201 Lynden, Washington 98264 Ph (360) 354-3687 Fax (360) 354-0407	NO.	DATE	REVISION	BY	CITY OF FERNDALE 2095 MAIN ST FERNDALE, WA 98248	EATON, SOMERSET, WILLARD AND WASHINGTON SEWER PROJECT KEY MAP	JOB# / DWG 11007.1 AD1 SP2.AB SCALE H:n/a V:n/a DATE 9-26-11 SHEET 2 of 12
			9-19-11	ADDENDUM 1	LP			

00552.002 3/26/13 SH

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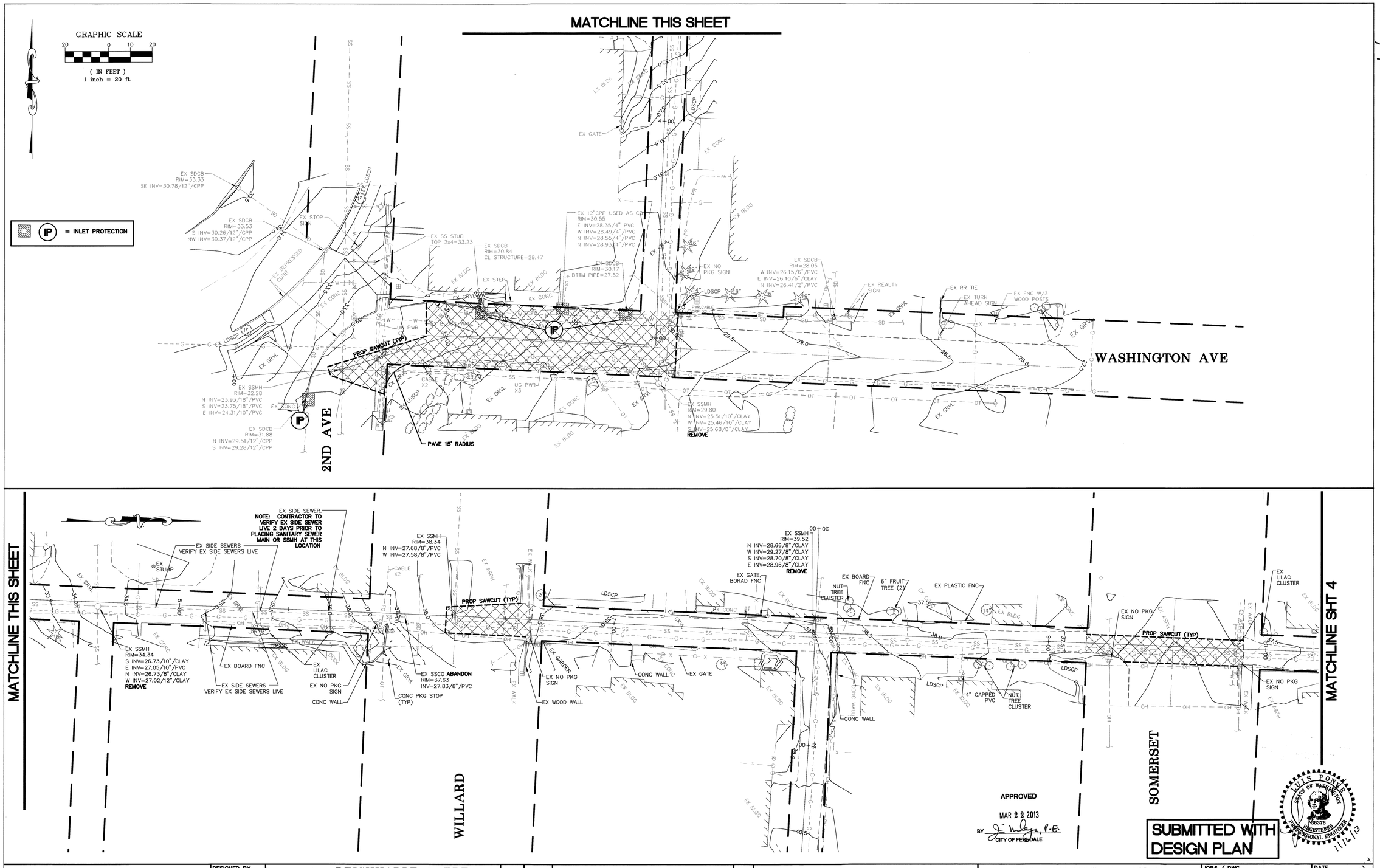

DESIGNED BY LP DRAWN BY LMC CHECKED BY LP	R&E REICHHARDT & EBE ENGINEERING, INC. CONSULTING ENGINEERS PO Box 978 423 Front St., Ste 201 Lynden, Washington 98264 Ph (360) 354-3687 Fax (360) 354-0407	NO. / DATE / REVISION / BY	CITY OF FERNDALE 2095 MAIN ST FERNDALE, WA 98248	EATON, SOMERSET, WILLARD AND WASHINGTON SEWER PROJECT EXISTING CONDITIONS, TESC AND DEMO PLAN	JOB# / DWG 11007.1 AD1 SP2 SCALE H:1"=20' V:n/a DATE 9-26-11 SHEET 3 of 12

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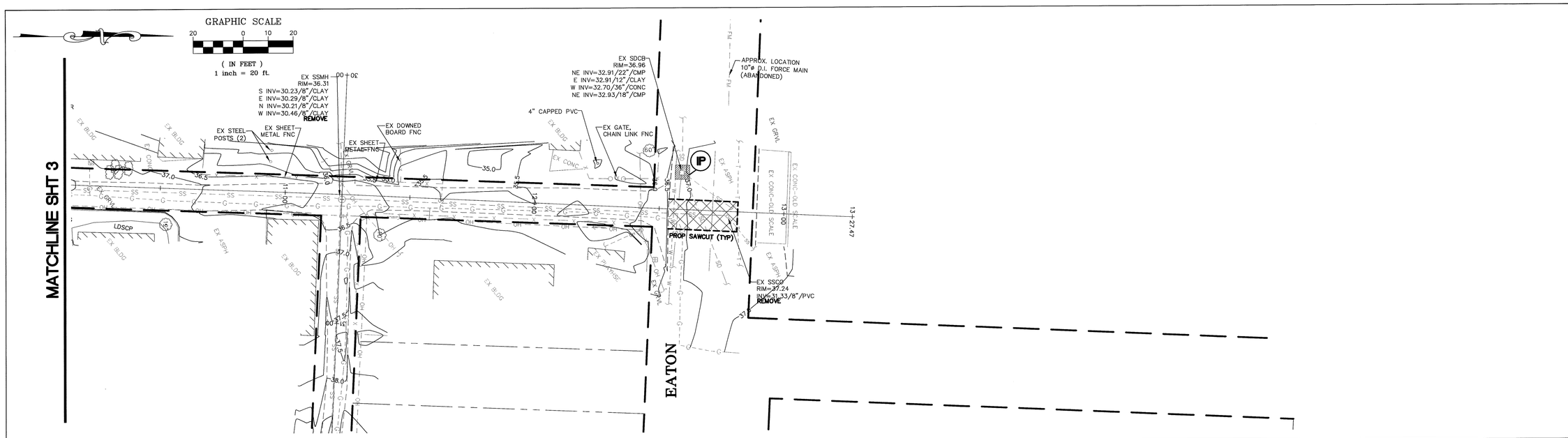
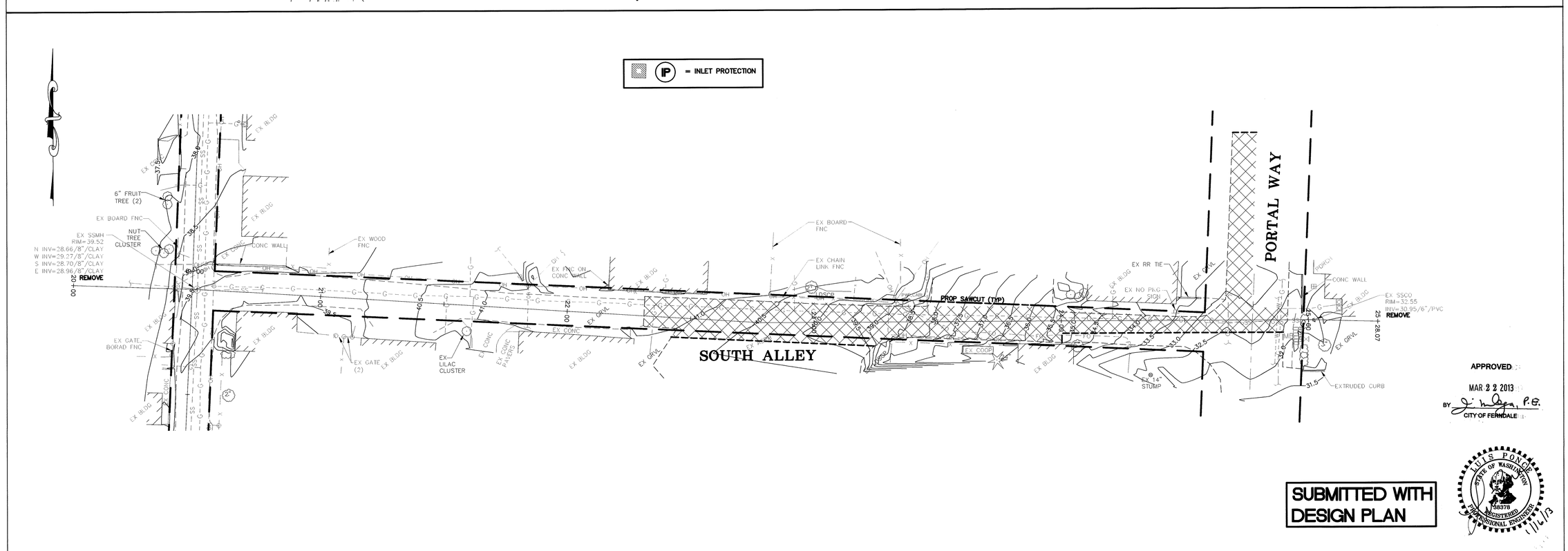
#3 11/26/13 SH

0055 2.00 3/26/13





APPROVED
MAR 22 2013
BY J. M. Ogan, P.E.
CITY OF FERNDALE

SUBMITTED WITH DESIGN PLAN

STATE OF WASHINGTON
LUIS PONCE
38378
REGISTERED PROFESSIONAL ENGINEER
1/16/13

DESIGNED BY LP DRAWN BY LMC CHECKED BY LP	R&E REICHHARDT & EBE ENGINEERING, INC. CONSULTING ENGINEERS PO Box 978 423 Front St., Ste 201 Lynden, Washington 98264 Ph (360) 354-3687 Fax (360) 354-0407	NO.	DATE	REVISION	BY	CITY OF FERNDALE 2095 MAIN ST FERNDALE, WA 98248	EATON, SOMERSET, WILLARD AND WASHINGTON SEWER PROJECT EXISTING CONDITIONS, TESC AND DEMO PLAN

JOB# / DWG	DATE
11007.1 AD1 SP2	9-26-11
SCALE H:1"=20' V:n/a	SHEET 4 of 12

06552.009 3/26/13 SH

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00552.005 3/26/13 SH

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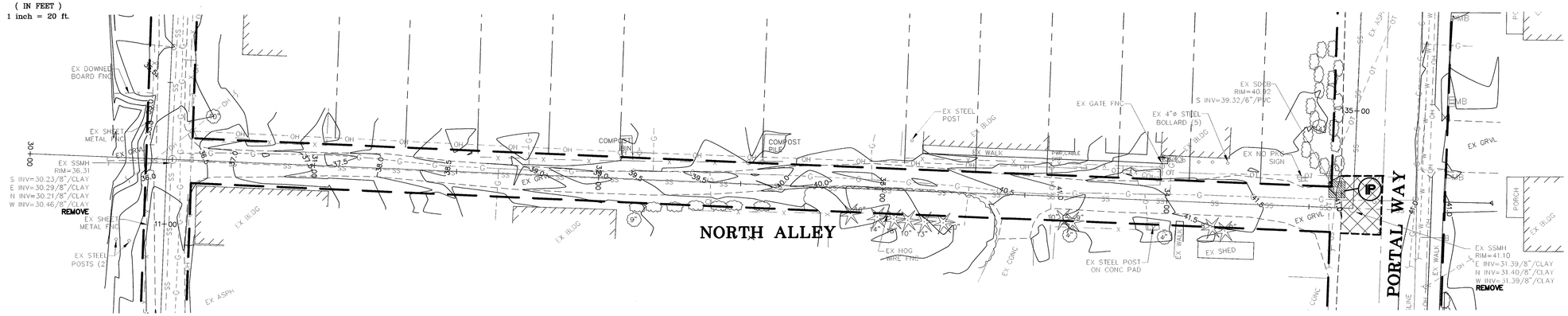
(IN FEET)
1 inch = 20 ft.



IP = INLET PROTECTION

APPROVED

MAR 22 2013

BY J. McGuire P.E.
CITY OF FERNDALE

LUIS PONCE
STATE OF WASHINGTON
38378
REGISTERED
PROFESSIONAL ENGINEER
3/26/13

SUBMITTED WITH DESIGN PLAN

DESIGNED BY LP DRAWN BY LMC CHECKED BY LP	R&E	REICHHARDT & EBE ENGINEERING, INC. CONSULTING ENGINEERS PO Box 978 423 Front St., Ste 201 Lynden, Washington 98264 Ph (360) 354-3687 Fax (360) 354-0407	NO.	DATE	REVISION	BY	CITY OF FERNDALE 2095 MAIN ST FERNDALE, WA 98248	EATON, SOMERSET, WILLARD AND WASHINGTON SEWER PROJECT EXISTING CONDITIONS, TESC AND DEMO PLAN	JOB# / DWG 11007.1 AD1 SP2 SCALE H: 1"=20' V: n/a DATE 9-26-11 SHEET 5 of 12

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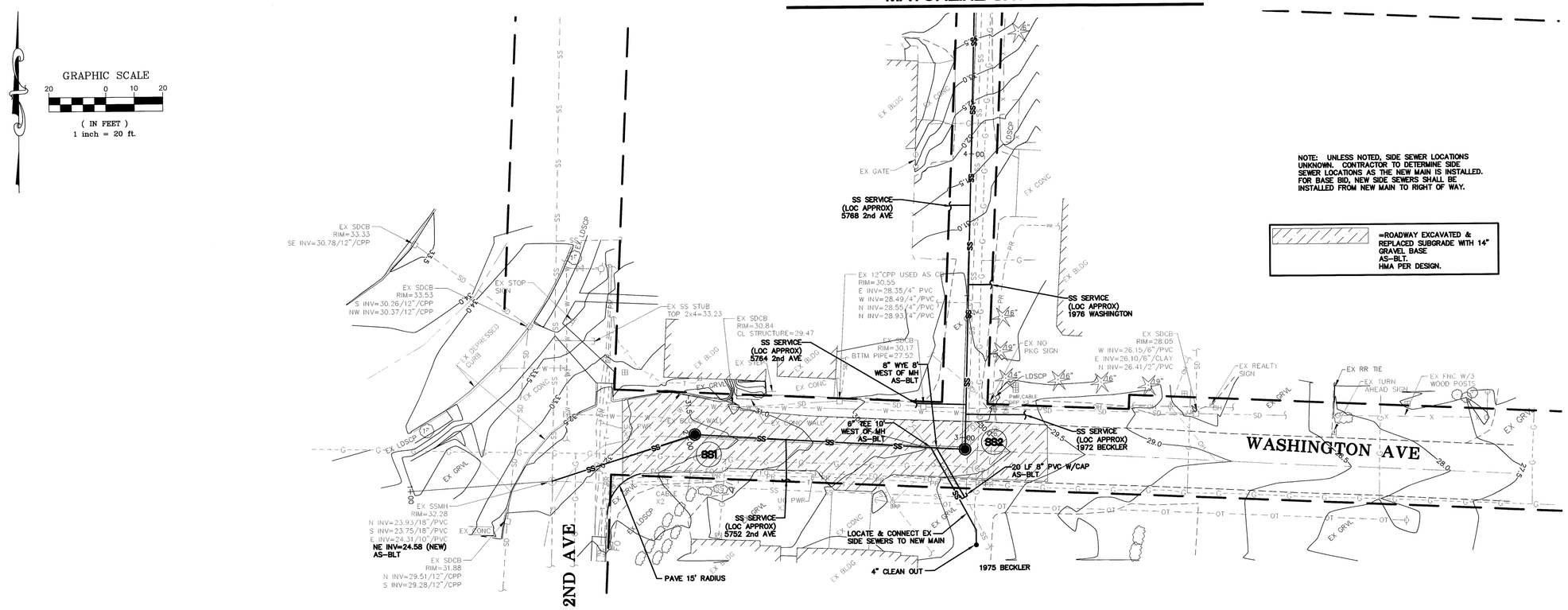

APPROVED
MAR 22 2013
BY J. Malay, P.E.
CITY OF FERNDALE

DATE: 1-15-13 **AS-BUILT**

LUIS PONCE STATE OF WASHINGTON 38378 REGISTERED PROFESSIONAL ENGINEER 1/16/13

DESIGNED BY LP DRAWN BY LMC CHECKED BY LP	R&E **REICHHARDT & EBE** ENGINEERING, INC. CONSULTING ENGINEERS PO Box 978 423 Front St., Ste 201 Lynden, Washington 98264 Ph (360) 354-3687 Fax (360) 354-0407	NO.	DATE	REVISION	BY	CITY OF FERNDALE 2095 MAIN ST FERNDALE, WA 98248

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

JOB# / DWG 11007.1 AD1 SP2.AB
SCALE H:1"=20' V:1"=2'
DATE 9-26-11
SHEET 6 of 12

00552.006. 3/26/13 SS

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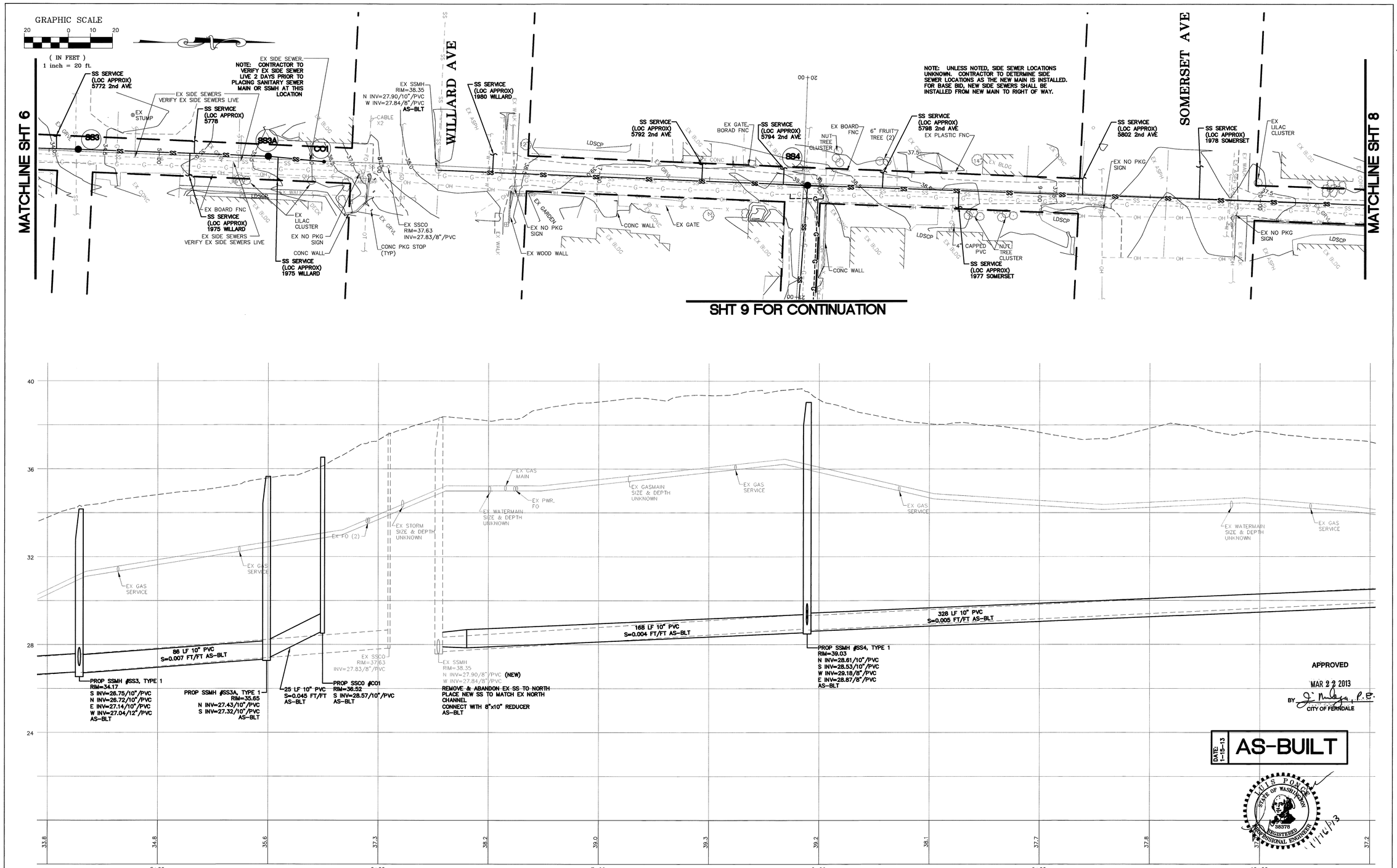

DESIGNED BY	LP
DRAWN BY	LMC
CHECKED BY	LP

REICHHARDT & EBE
ENGINEERING, INC.
CONSULTING ENGINEERS
PO Box 978 423 Front St., Ste 201
Lynden, Washington 98264
Ph (360) 354-3687
Fax (360) 354-0407

NO.	DATE	REVISION	BY

CITY OF FERNDALE
2095 MAIN ST
FERNDALE, WA 98248

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

JOB# / DWG	DATE
11007.1 AD1 SP2.AB	9-26-11
SCALE H:1"=20' V:1"=2'	SHEET 7 of 12

#5 3/22/13 LOD.057

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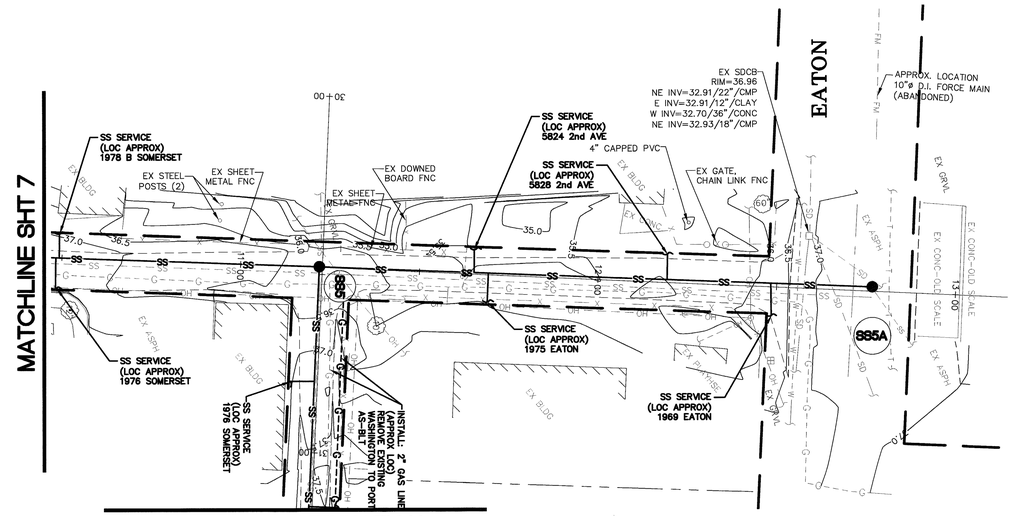
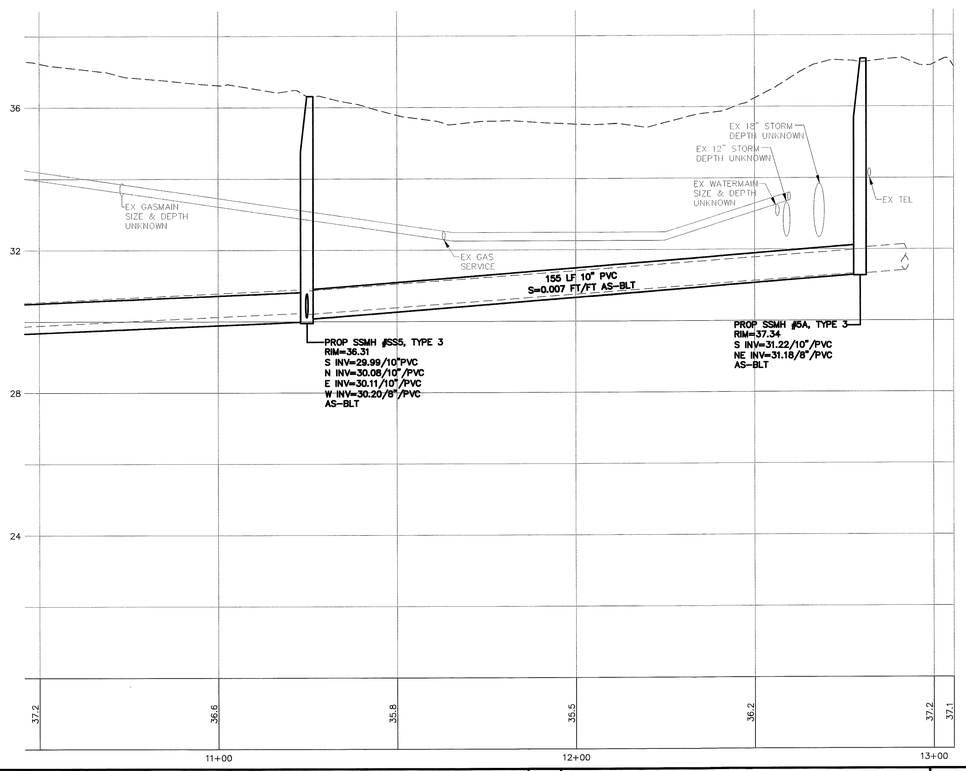
(IN FEET)
1 inch = 20 ft.



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.



APPROVED
MAR 22 2013
BY J. McLay, P.E.
CITY OF FERNDALE

DATE: 1-15-13 **AS-BUILT**

LUIS PONCE
STATE OF WASHINGTON
36378
REGISTERED PROFESSIONAL ENGINEER
1/16/13

DESIGNED BY LP DRAWN BY LMC CHECKED BY LP	R&E REICHHARDT & EBE ENGINEERING, INC. CONSULTING ENGINEERS PO Box 978 423 Front St., Ste 201 Lynden, Washington 98264 Ph (360) 354-3687 Fax (360) 354-0407	NO.	DATE	REVISION	BY	CITY OF FERNDALE 2095 MAIN ST FERNDALE, WA 98248

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

JOB# / DWG	DATE
11007.1 AD1 SP2.AB	9-26-11
SCALE H: 1"=20' V: 1"=2'	SHEET 8 of 12

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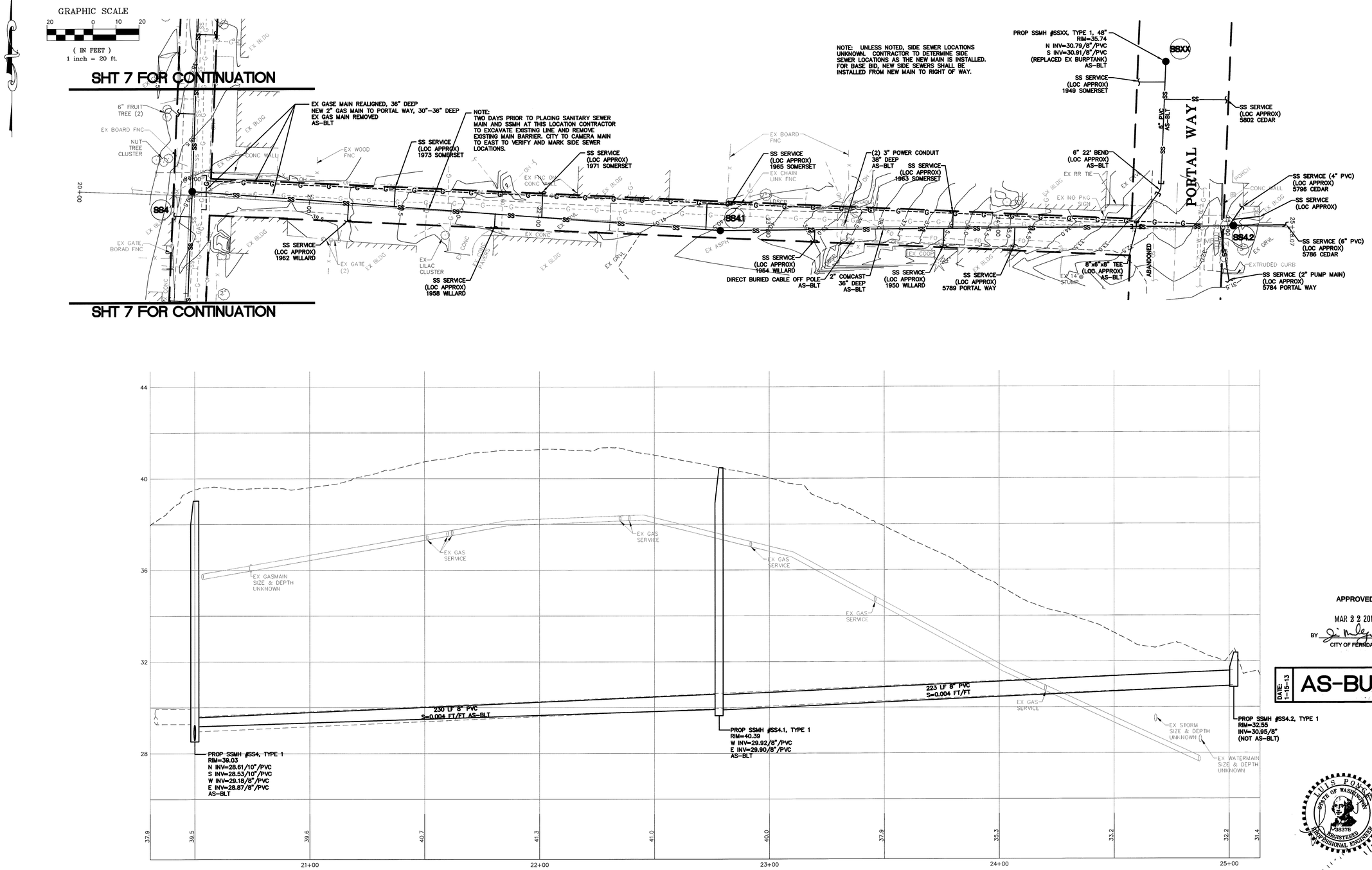

APPROVED
MAR 22 2013
BY Jim Morley, P.E.
CITY OF FERNDALE

DATE: 1-15-13
AS-BUILT

LUIS PONCE
STATE OF WASHINGTON
38378
REGISTERED PROFESSIONAL ENGINEER
1/15/13

DESIGNED BY LP DRAWN BY LMC CHECKED BY LP	R&E	**REICHHARDT & EBE** *ENGINEERING, INC.* CONSULTING ENGINEERS PO Box 978 423 Front St., Ste 201 Lynden, Washington 98264 Ph (360) 354-3687 Fax (360) 354-0407	NO.	DATE	REVISION	BY	**CITY OF FERNDALE** 2095 MAIN ST FERNDALE, WA 98248

EATON, SOMERSET, WILLARD AND WASHINGTON SEWER PROJECT

PROPOSED SANITARY SEWER BASE BID

JOB# / DWG	DATE
11007.1 AD1 SP2.AB	9-26-11
SCALE H: 1"=20' V: 1"=2'	SHEET 9 of 12

HJ 3/1/2013 0552.009

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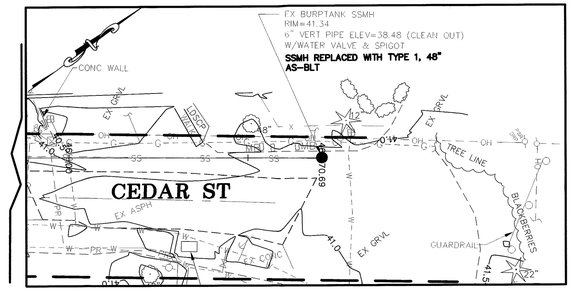
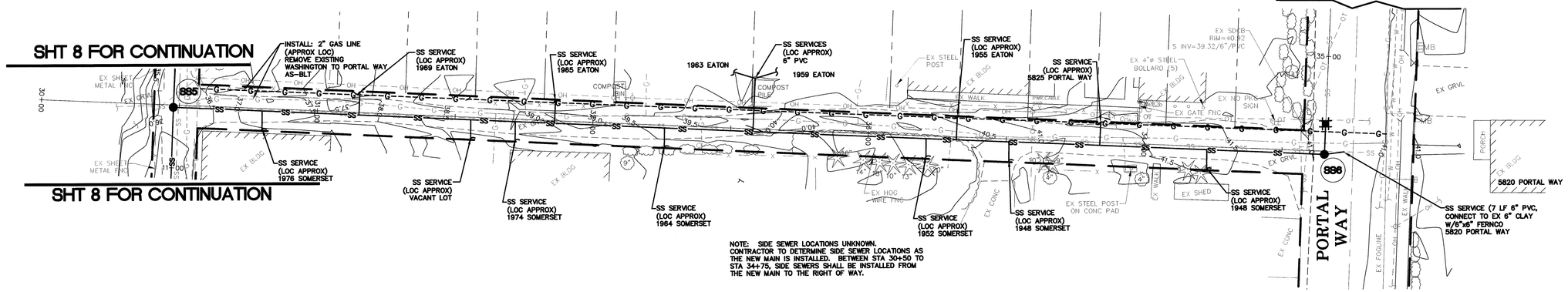
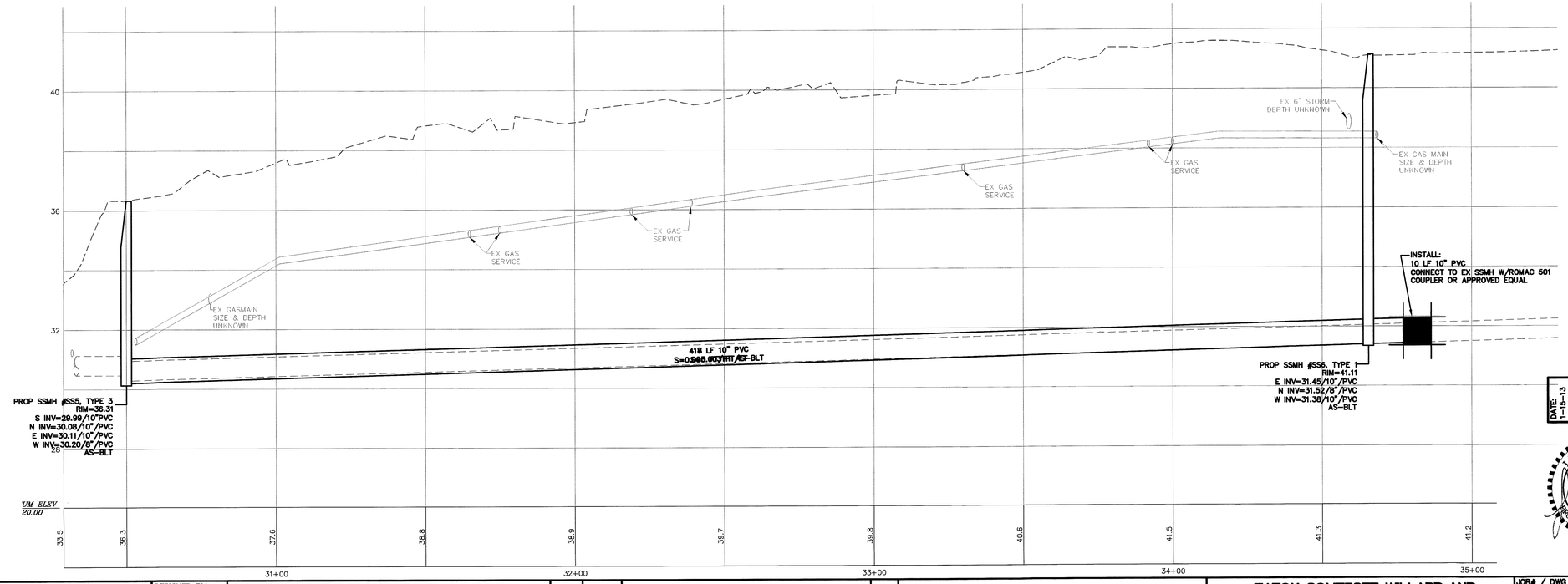
(IN FEET)
1 inch = 20 ft.



1190'± TO NEW SSMH AT STA 46+70



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.



APPROVED
MAR 22 2013
BY J. Lopez, P.E.
CITY OF FERNDALE

DATE: 1-15-13 **AS-BUILT**

LUIS PONCE STATE OF WASHINGTON 38378 REGISTERED PROFESSIONAL ENGINEER 1/16/13

DESIGNED BY LP DRAWN BY LMC CHECKED BY LP	R&E	REICHHARDT & EBE ENGINEERING, INC. CONSULTING ENGINEERS PO Box 978 423 Front St., Ste 201 Lynden, Washington 98264 Ph (360) 354-3687 Fax (360) 354-0407	NO.	DATE	REVISION	BY	CITY OF FERNDALE 2095 MAIN ST FERNDALE, WA 98248

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

JOB# / DWG	DATE
11007.1 AD1 SP2.AB	9-26-11
SCALE H: 1"=20' V: 1"=2'	SHEET 10 of 12

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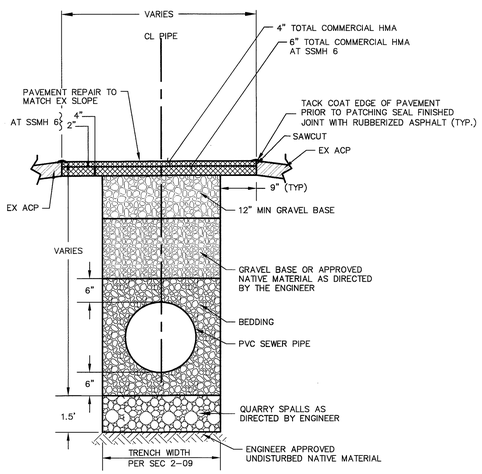
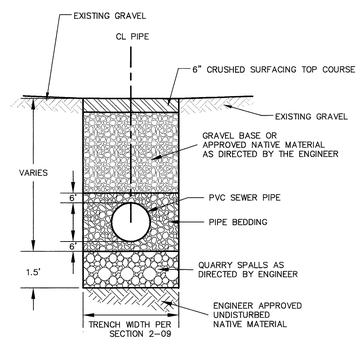


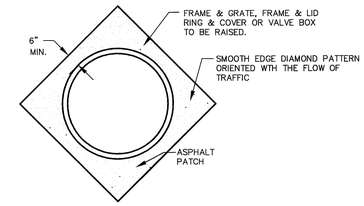
TYPICAL TRENCH SECTION
ASPHALT CONCRETE PAVEMENT

NTS



TYPICAL TRENCH SECTION
GRAVEL ROADWAY

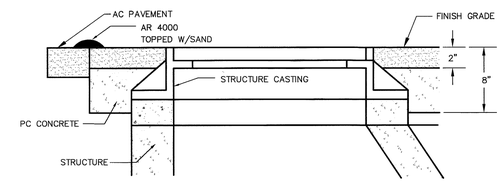
NTS



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 WTHIN 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 AR4000 AND TOP WITH SAND.



ADJUSTING CASTINGS
TO FINISHED GRADE

NTS

APPROVED

MAR 22 2013

BY L. McLoyd, P.E.

CITY OF FERNDALE

SUBMITTED WITH DESIGN PLAN

LUIS PONCE STATE OF WASHINGTON 38378 REGISTERED PROFESSIONAL ENGINEER 11/14/13

DESIGNED BY LP DRAWN BY LMC CHECKED BY LP	R&E REICHHARDT & EBE ENGINEERING, INC. CONSULTING ENGINEERS PO Box 978 423 Front St., Ste 201 Lynden, Washington 98264 Ph (360) 354-3687 Fax (360) 354-0407	NO.	DATE	REVISION	BY	CITY OF FERNDALE 2095 MAIN STREET FERNDALE, WA 98248	EATON, SOMERSET, WILLARD AND WASHINGTON SEWER PROJECT DETAIL SHEET

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

80552-011 3/26/13 HS

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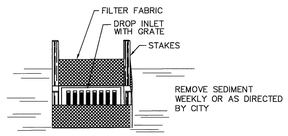
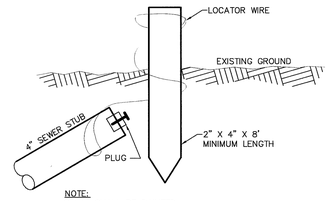


INLET PROTECTION DETAIL

NTS



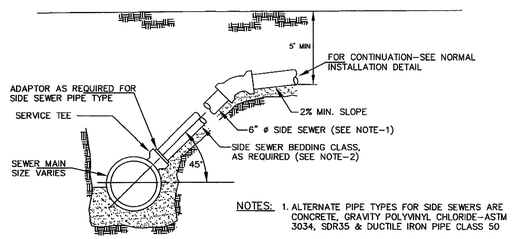
NOTE:
STAKE SHALL BE PAINTED GREEN WITH DEPTH TO INVERT LABELED IN WHITE PAINT.

SEWER SERVICE STAKE

NTS

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.



NOTES:
1. ALTERNATE PIPE TYPES FOR SIDE SEWERS ARE CONCRETE, GRAVITY POLYVINYL CHLORIDE-ASTM 3034, SDR35 & DUCTILE IRON PIPE CLASS 50
2. BEDDING FOR CONCRETE SHALL BE CLASS-B
BEDDING FOR POLYVINYL SHALL BE CLASS-B
BEDDING FOR DUCTILE IRON SHALL BE CLASS-B

NORMAL INSTALLATION
18" AND LARGER MAINS

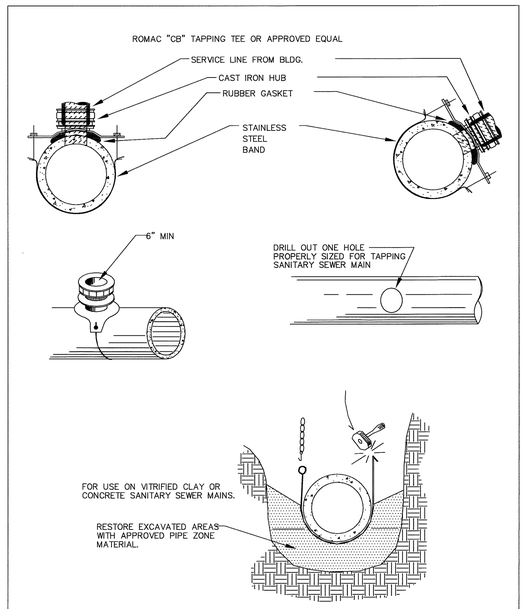
NOT TO SCALE

SIDE SEWER

NOT TO SCALE

APPROVED	CITY OF FERNDALE NORMAL SANITARY SEWER SERVICE INSTALLATION 18" AND LARGER MAINS	DRAWING SS-7
Public Works Director Date		

JUNE 1995

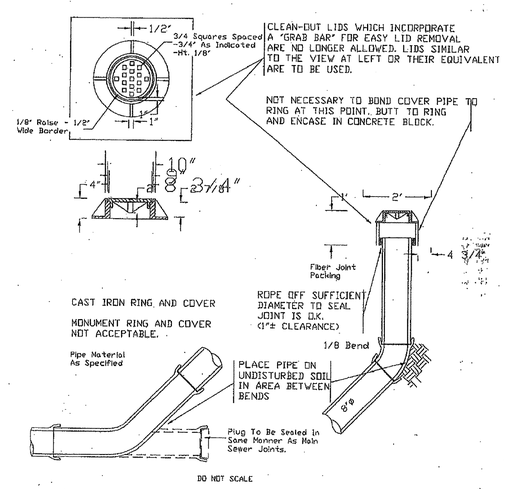


NOT TO SCALE

APPROVED	CITY OF FERNDALE SANITARY SEWER BANDED TAPPING TEE	DRAWING SS-12
Public Works Director Date		

JULY 2001

2' SQUARE CONCRETE BLOCK TO ENCASE CLEAN-OUT. IN AREAS WHERE CLEAN-OUT OCCURS IN ASPHALT, THIS BLOCK IS TO BE LEFT APPROX. 1 1/2' LOW TO ALLOW FOR AN ASPHALT TOPPING OF LIKE MIXTURE AS THE SURROUNDING AREA. IF CLEAN-OUT OCCURS IN CONCRETE OR IN SOME TYPE OF SOIL, THE BLOCK IS TO BE MADE THE FULL 1' DEPTH AND FLUSH WITH THE SURROUNDING SURFACE.



SSCD 04/30/92 16:17

NOT TO SCALE

APPROVED	CITY OF FERNDALE 8" CLEAN OUT	DRAWING SS-5
Public Works Director Date		

JANUARY 1993

APPROVED
MAR 22 2013
BY J. Mayer, P.E.
CITY OF FERNDALE

SUBMITTED WITH DESIGN PLAN

LUIS PONCE
STATE OF WASHINGTON
38378
REGISTERED PROFESSIONAL ENGINEER
1/14/13

DESIGNED BY LP	R&E REICHHARDT & EBE ENGINEERING, INC. CONSULTING ENGINEERS PO Box 978 423 Front St., Ste 201 Lynden, Washington 98264 Ph (360) 354-3687 Fax (360) 354-0407	NO.	DATE	REVISION	BY	CITY OF FERNDALE 2095 MAIN STREET FERNDALE, WA 98248	EATON, SOMERSET, WILLARD AND WASHINGTON SEWER PROJECT DETAIL SHEET	JOB# / DWG 11007.1 AD1 DET2	DATE 9-19-11
DRAWN BY LMC								SCALE H:n/a V:n/a	SHEET 12 of 12
CHECKED BY LP									

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