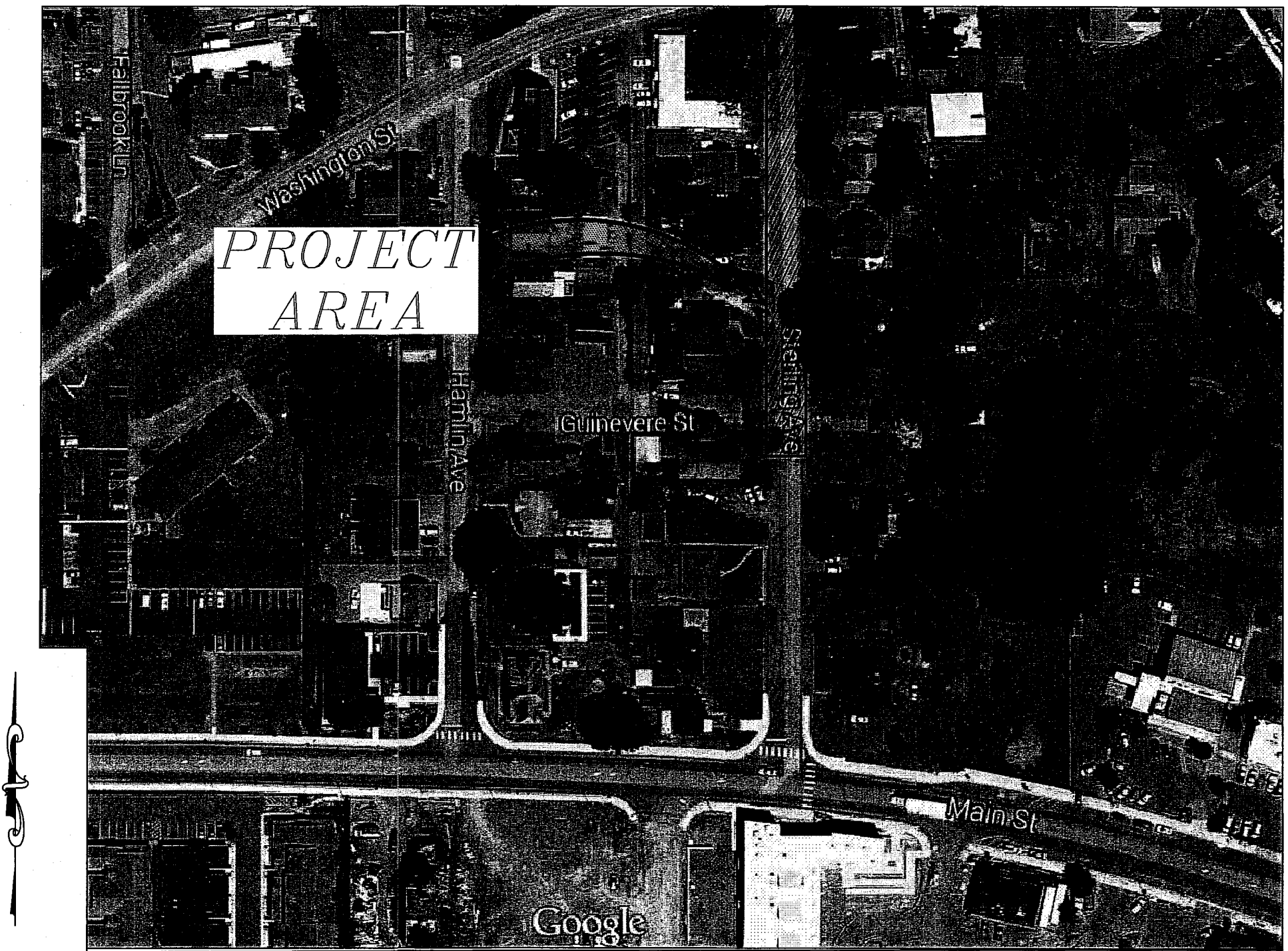


STERLING SEWER PROJECT
(MAIN TO WASHINGTON)
CITY OF FERNDALE
PROJECT NO. SS2013-04

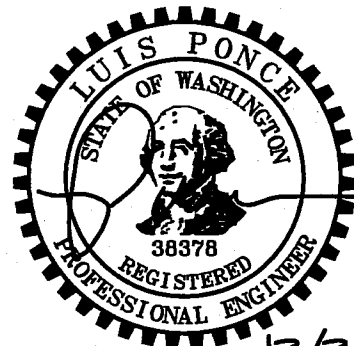
00591.001 1/19/16 SH

VICINITY MAP



SHEET INDEX

- 001 COVER AND VICINITY MAP
- 002 LEGEND AND ABBREVIATIONS
- 003 EXISTING CONDITIONS
- 004 TRAFFIC CONTROL PLAN
- 005 DEMOLITION AND TESC PLANS
- 006 SANITARY SEWER PLAN AND PROFILE
- 007 DETAILS AND TYPICAL TRENCH SECTION



12/2/15
AS-BUILT

DESIGNED BY
LP
DRAWN BY
CMS
CHECKED BY
LP



Reichhardt & Ebe
ENGINEERING INC
P.O. Box 978 | 423 Front Street, Lynden, WA 98264 (360) 354-3687
813 Metcalf Street, Sedro-Woolley, WA 98284 (360) 855-1713

NO.	DATE	DESCRIPTION	BY

CITY OF FERNDALE
2095 MAIN STREET
FERNDALE, WA 98248

STERLING SEWER PROJECT
(MAIN TO WASHINGTON)
FERNDALE, WA

DWG COVER AND VICINITY MAP			DATE
JOB#	SCALE		SHEET
13042	H: N/A V: N/A		001

P:\Projects\1304216_Civil_3D_2012\AS-BUILT\13042 AS COVER.dwg, 2 LEGEND AND ABBREVIATIONS, 12/22/2015 11:33:37 AM

EXISTING		
--- OHW --- OHW ---	=	EXISTING ORDINARY HIGH WATER
--- BB --- BB ---	=	EXISTING TOE OF BANK
--- OH --- OH ---	=	EXISTING OVERHEAD POWER
-----	=	EXISTING CONCRETE
----- 95 -----	=	EXISTING MAJOR CONTOUR
----- 95 -----	=	EXISTING MINOR CONTOUR
-----	=	EXISTING CULVERT
----- X ----- X -----	=	EXISTING DITCH @
----- X ----- X -----	=	EXISTING FENCE
----- FO ----- FO -----	=	EXISTING FIBER OPTICS LINE
----- G ----- G ----- G -----	=	EXISTING GAS MAIN
-----	=	EXISTING GUARDRAIL
-----	=	EXISTING GRAVEL
-----	=	EXISTING PROPERTY BOUNDARY
----- PR ----- PR -----	=	EXISTING POWER BURIED
-----	=	EXISTING ROAD @
-----	=	EXISTING EDGE OF PAVEMENT
-----	=	EXISTING WALL
-----	=	EXISTING RIGHT OF WAY
-----	=	EXISTING TREE LINE
----- SD ----- SD -----	=	EXISTING STORM DRAIN
----- TS ----- TS -----	=	EXISTING TRAFFIC SIGNAL CONDUCTOR
----- SS ----- SS -----	=	EXISTING SANITARY SEWER
-----	=	EXISTING TRAFFIC STRIPING
-----	=	EXISTING PARKING STRIPING
----- TB ----- TB -----	=	EXISTING TOP OF BANK
----- T ----- T -----	=	EXISTING TELEPHONE LINE
----- OT ----- OT -----	=	EXISTING OVERHEAD TELEPHONE
----- TV ----- TV -----	=	EXISTING TV LINE
----- W ----- W ----- W -----	=	EXISTING WATER MAIN
-----	=	EXISTING SIDEWALK
-----	=	EXISTING WETLANDS BOUNDARY
-----	=	EXISTING EASEMENT
-----	=	EXISTING GRADE BREAK
----- FM ----- FM -----	=	EXISTING SANITARY SEWER FORCE MAIN
-----	=	EXISTING FLOWLINE
----- C ----- C ----- C -----	=	EXISTING CONDUIT
----- UD ----- UD -----	=	EXISTING UNDERDRAIN
-----	=	EXISTING BUILDING
-----	=	EXISTING CONCRETE
-----	=	EXISTING RR TRACKS
-----	=	EXISTING SIGNAL POLE AND ARM W/ LUMINAIRE
-----	=	EXISTING STREET LIGHT
-----	=	EXISTING GUY WIRE
-----	=	EXISTING GAS METER
-----	=	EXISTING TRANSFORMER PAD
-----	=	EXISTING POWER VAULT
-----	=	EXISTING JBOX
-----	=	EXISTING SOIL BORING LOCATION
-----	=	EXISTING MAIL BOX
-----	=	EXISTING WATER SPIGOT
-----	=	EXISTING WATER METER
-----	=	EXISTING WATER VALVE
-----	=	EXISTING FIRE HYDRANT
-----	=	EXISTING TRAFFIC SIGNAL VAULT
-----	=	EXISTING SEWER MANHOLE
-----	=	EXISTING STORM DRAIN CATCH BASIN TYPE I
-----	=	EXISTING STORM DRAIN CATCH BASIN TYPE II
-----	=	EXISTING UTILITY POLE
-----	=	EXISTING MONITORING WELL
-----	=	EXISTING STORM CLEANOUT
-----	=	EXISTING SEWER CLEANOUT
-----	=	EXISTING SIGN
-----	=	EXISTING TELEPHONE PEDESTAL
-----	=	EXISTING TREE
-----	=	EXISTING VEGETATION

LEGEND

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

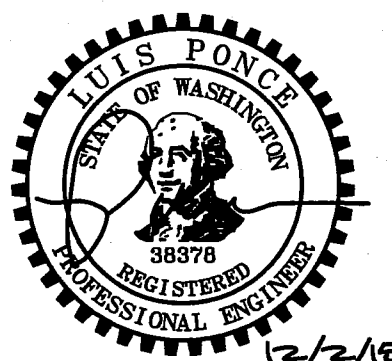
AC	=	ASBESTOS CEMENT
ASPH	=	ASPHALT
BLDG	=	BUILDING
CATV	=	CABLE TELEVISION
CL	=	CLASS, CENTERLINE
COMP	=	COMPACTED
CONC	=	CONCRETE
C & G	=	CURB & GUTTER
CPDP	=	CORRUGATED POLYETHYLENE DRAIN PIPE
Ø	=	DIAMETER
DI	=	DUCTILE IRON
E	=	EAST
EOP, EP	=	EDGE OF PAVEMENT
EX, EXIST	=	EXISTING
IR	=	EXISTING IRRIGATION
SN	=	EXISTING SIGN
FT	=	FEET

FL	=	FLOW LINE
FF	=	FINISHED FLOOR
FG	=	FINISHED GRADE
FT/FT	=	FEET PER FOOT
F&G	=	FRAME AND COVER
F&G	=	FRAME AND GRATE
IW	=	INJECT WELLS
IE, INV	=	INVERT ELEVATION
L	=	LENGTH
LF	=	LINEAR FEET
LOC	=	LOCATION
MAX	=	MAXIMUM
MPOC	=	MID-POINT ON CURVE
MIN	=	MINIMUM
MOD	=	MODIFIED
MW	=	MONITORING WELL
MON	=	MONUMENT

N	=	NORTH
OC	=	ON CENTER
PWINT	=	PAVEMENT
PED	=	PEDESTAL
PCC	=	POINT OF COMPOUND CURVATURE
PC	=	POINT OF CURVATURE
PRC	=	POINT OF REVERSE CURVE
PT	=	POINT OF TANGENCY
POC	=	POINT ON CURVE
PVC	=	POLYVINYL CHLORIDE
PCC	=	PORTLAND CEMENT CONCRETE
POSS	=	POSSIBLE
PROP	=	PROPOSED
R	=	RADIUS
ROW	=	RIGHT OF WAY
R&C	=	RING AND COVER
SSMH	=	SANITARY SEWER MANHOLE

SCH	=	SCHEDULE
S	=	SOUTH
STD	=	STANDARD
SP	=	STANDARD PLAN
STA	=	STATION
SDCB	=	STORM DRAIN CATCH BASIN
SDMH	=	STORM DRAIN MANHOLE
TEL	=	TELEPHONE
TL	=	TRAFFIC LOOP
TYP	=	TYPICAL
UP	=	UTILITY POLE
VL	=	VAULT
WSDOT	=	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
W	=	WEST
WM	=	WATER METER

ABBREVIATIONS



12/2/15

12/2/15
AS-BUILT

DESIGNED BY
DRAWN BY
CHECKED BY
LP

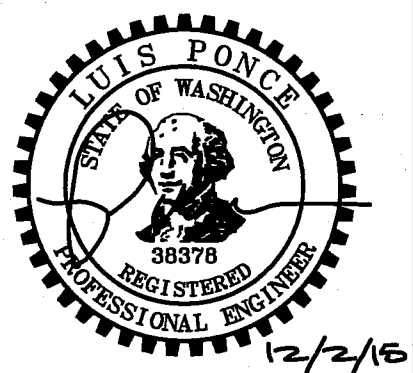
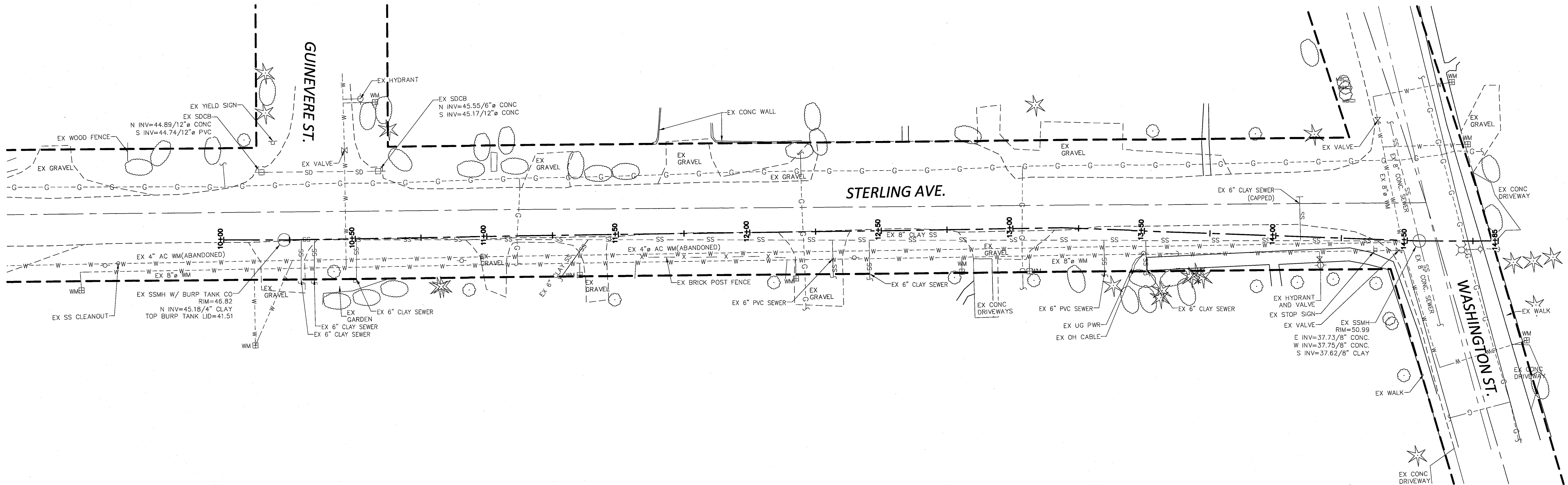
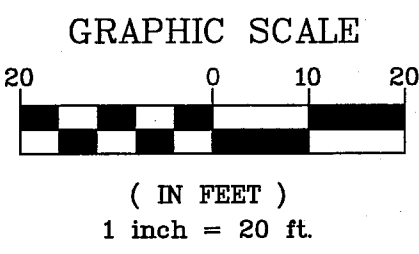
R&E Reichhardt & Ebe
ENGINEERING INC
P.O. Box 978 | 423 Front Street, Lynden, WA 98264 (360) 354-3687
813 Metcalf Street, Sedro-Woolley, WA 98284 (360) 855-1713

CITY OF FERNDAL
2095 MAIN STREET
FERNDAL, WA 98248

STERLING SEWER PROJECT
(MAIN TO WASHINGTON)
FERNDAL, WA

DWG LEGEND AND ABBREVIATIONS
JOB# 13042
SCALE H: N/A V: N/A

DATE 2/19/2015
SHEET 002



SUBMITTED WITH
DESIGN PLAN

DESIGNED BY
CMS
DRAWN BY
RG
CHECKED BY
LP

R&E Reichhardt & Ebe
ENGINEERING INC
P.O. Box 978 | 423 Front Street, Lynden, WA 98264 (360) 354-3687
813 Metcalf Street, Sedro-Woolley, WA 98284 (360) 855-1713

NO.	DATE	DESCRIPTION	BY

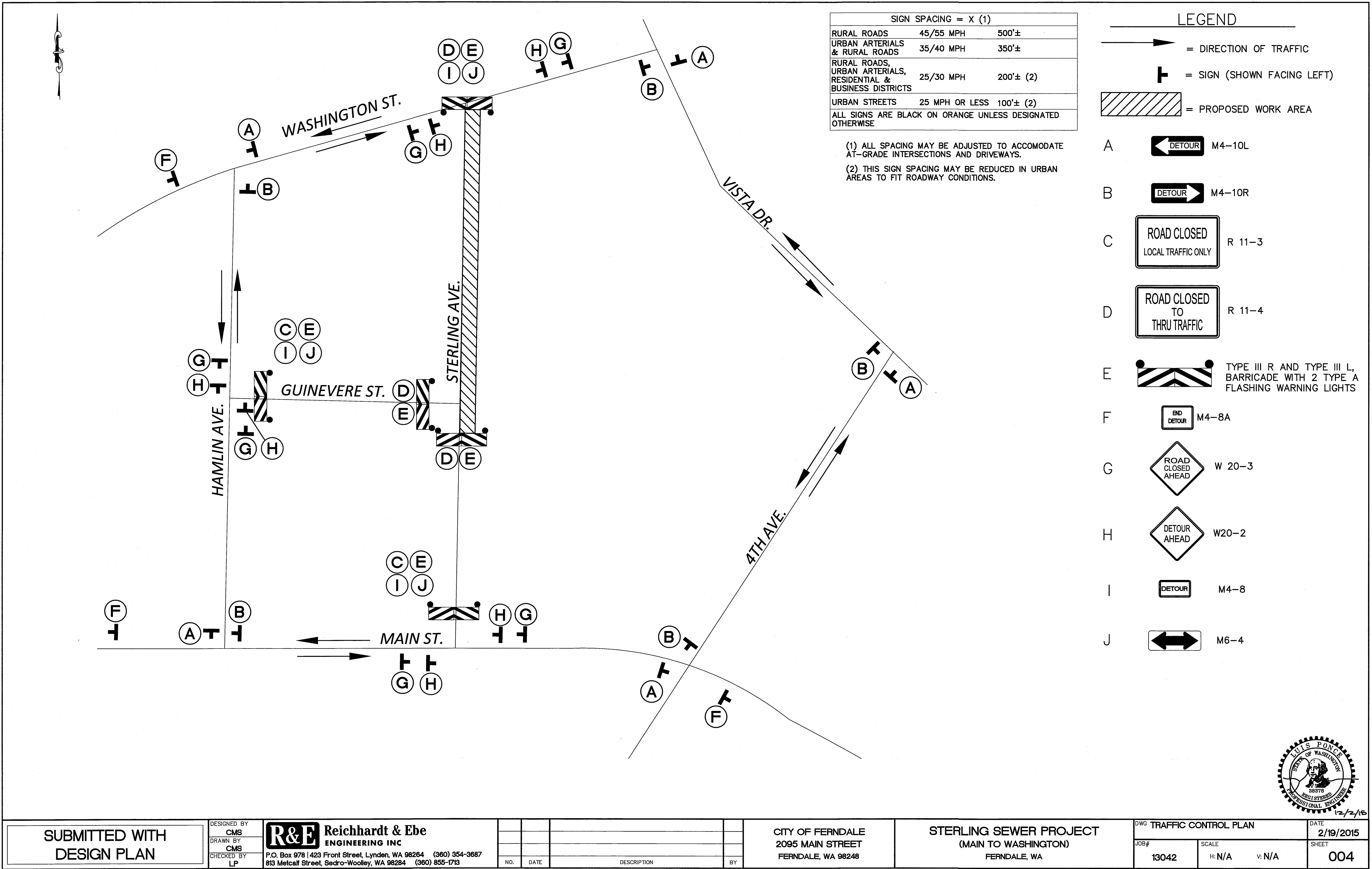
CITY OF FERNDAL
2095 MAIN STREET
FERNDAL, WA 98248

STERLING SEWER PROJECT
(MAIN TO WASHINGTON)
FERNDAL, WA

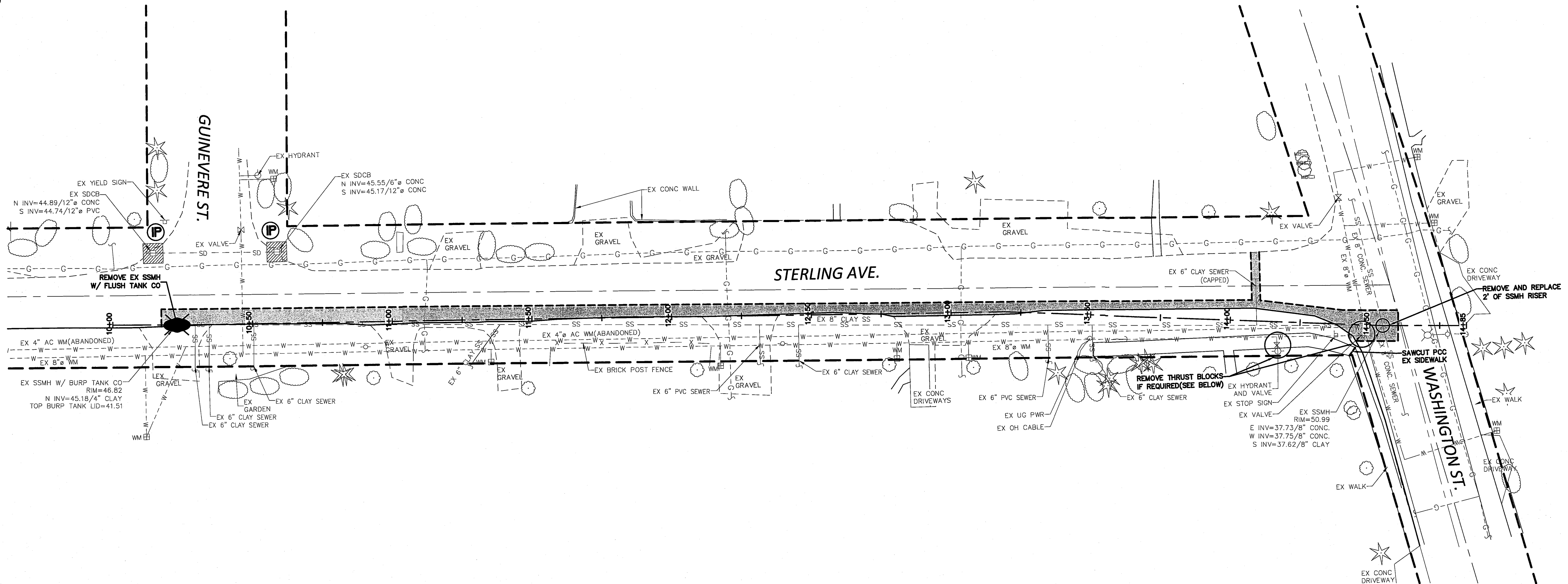
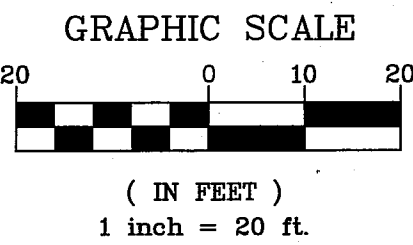
DWG EXISTING CONDITIONS			DATE
JOB#	SCALE	V: N/A	SHEET
13042	H: 1"=20'		003

00591.003 1/1/16 SH

00591.001 11/19/16 8:45



P:\Projects\1304216_Civil\3D\2015\AS-BUILT\13042 AS TC.dwg, 4 TRAFFIC CONTROL PLAN, 12/22/2015 11:34:05 AM



DEMOLITION PLAN LEGEND

- PROPOSED CONCRETE/ASPHALT REMOVAL
- SAWCUT FULL DEPTH OF PAVEMENT
- REMOVE EX SSMH

TESC PLAN LEGEND

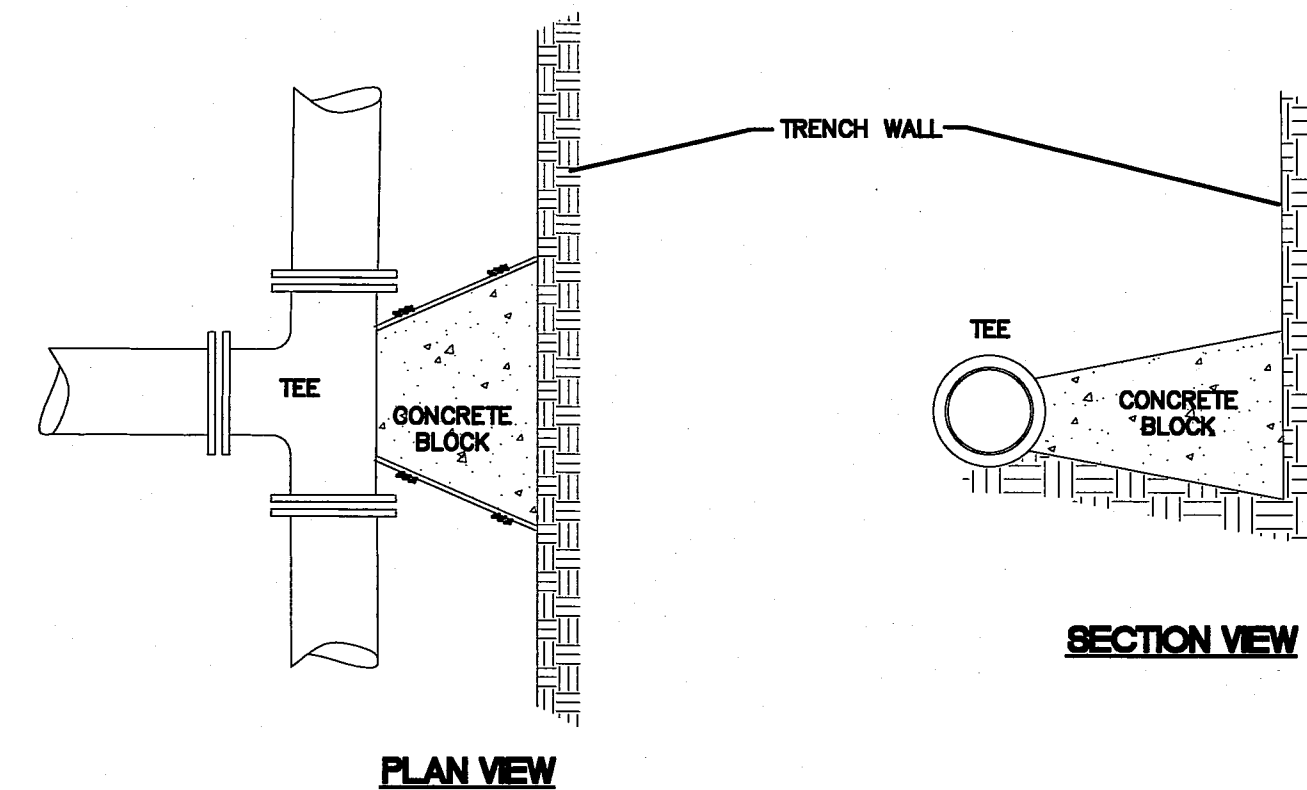
- WASHINGTON STATE DEPT. OF ECOLOGY
BEST MANAGEMENT PRACTICES (BMP)
REF.: STORMWATER MANAGEMENT MANUAL
FOR WESTERN WASHINGTON, 2012
- SYMBOL
- BMP C220 INLET PROTECTION — PLACE SEDIMENT
FILTER AROUND OR OVER CATCH BASINS

GENERAL NOTES:

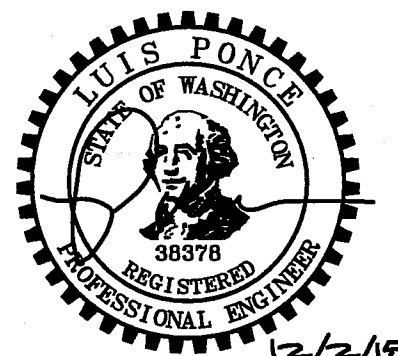
- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- ALL CUT AND FILL SLOPES SHALL BE SEEDED AND FERTILIZED FOR EROSION CONTROL. CONTRACTOR SHALL BE RESPONSIBLE FOR SLOPE EROSION UNTIL VEGETATION IS FIRMLY ESTABLISHED.
- CONTRACTOR SHALL INFORM THE ENGINEER AND OBTAIN APPROVAL 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.
- CONTRACTOR WILL WATER SURFACES OFTEN ENOUGH TO ABATE DUST AS APPROVED BY THE ENGINEER. WATERING WILL INCLUDE WEEKENDS AND HOLIDAYS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF THE SEDIMENTATION AND EROSION CONTROL MEASURES AS SHOWN.
- THE CONSTRUCTED EROSION CONTROL AND SEDIMENTATION PLAN SHALL BE APPROVED BY THE ENGINEER PRIOR TO PERFORMING ANY SITE GRADING OR CLEARING.
- 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.
- ANY VEGETATION NOT IN THE CONSTRUCTION AREA SHALL BE LEFT UNDISTURBED.
- ALL CLEARING LIMITS SHALL BE VISIBLY MARKED PRIOR TO CLEARING.
- 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.
- THIS PLAN REPRESENTS THE MINIMUM REQUIREMENTS FOR THIS PROJECT. ADDITIONAL EROSION CONTROL MAY BE REQUIRED BY THE ENGINEER AS ARE FOUND NECESSARY.
- THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE INSTALLED PRIOR TO ALL OTHER SITE CONSTRUCTION.

DOMESTIC WATER THRUST BLOCK

REMOVE THRUST BLOCKS
IF REQUIRED



PLAN VIEW



12/2/15

12/2/15
AS-BUILT

DESIGNED BY
CMS
DRAWN BY
CMS
CHECKED BY
LP

R&E Reichhardt & Ebe
ENGINEERING INC
P.O. Box 978 | 423 Front Street, Lynden, WA 98264 (360) 354-3687
813 Metcalf Street, Sedro-Woolley, WA 98284 (360) 855-1713

NO.	DATE	DESCRIPTION	BY

CITY OF FERNDAL
2095 MAIN STREET
FERNDAL, WA 98248

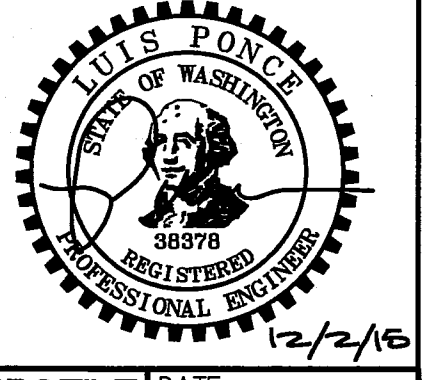
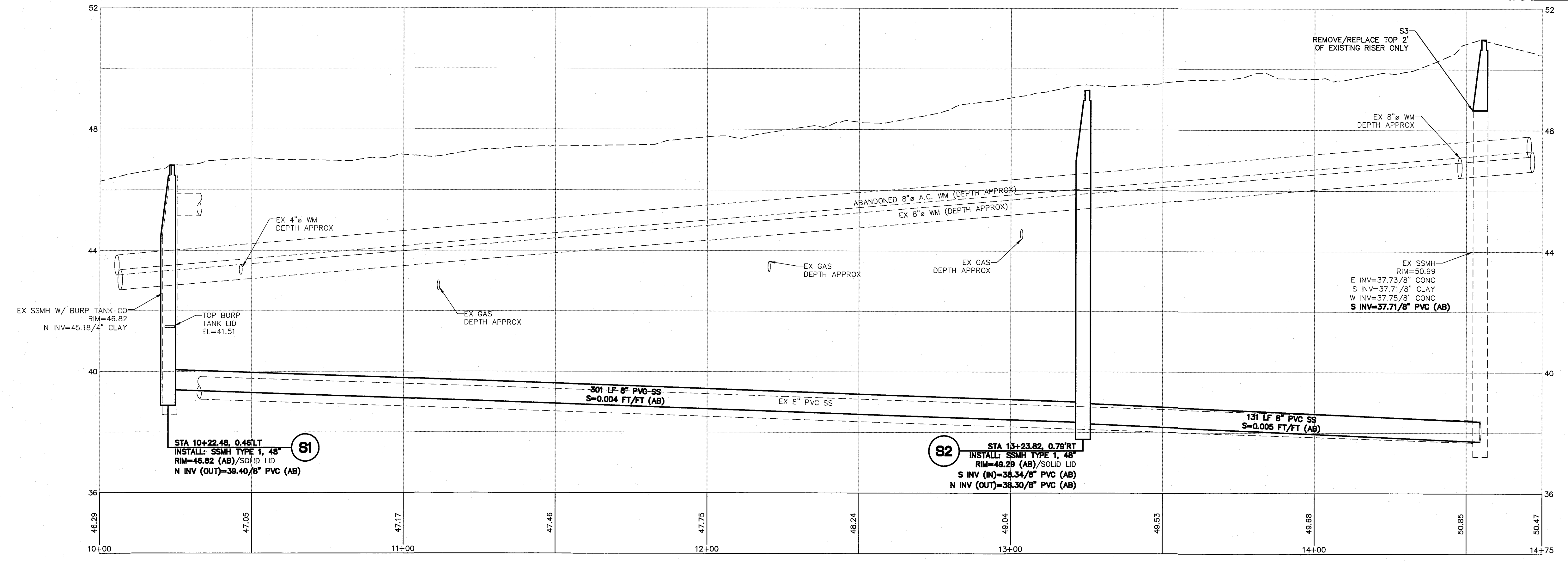
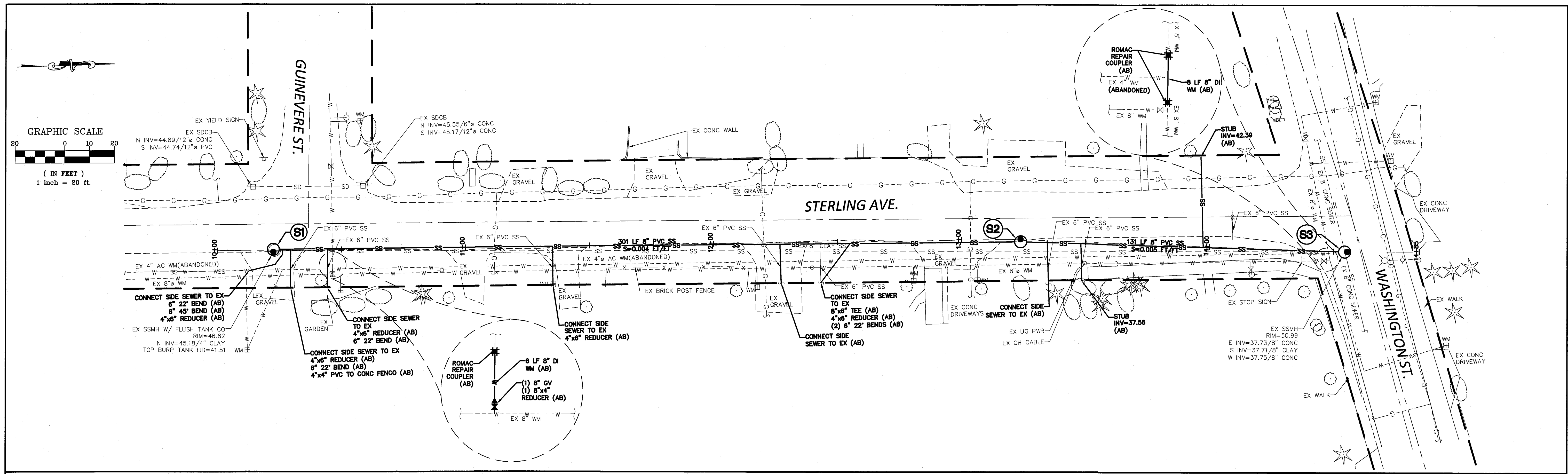
STERLING SEWER PROJECT
(MAIN TO WASHINGTON)
FERNDAL, WA

DWG DEMOLITION AND TESC PLAN
JOB# 13042
SCALE H: 1"=20' V: N/A

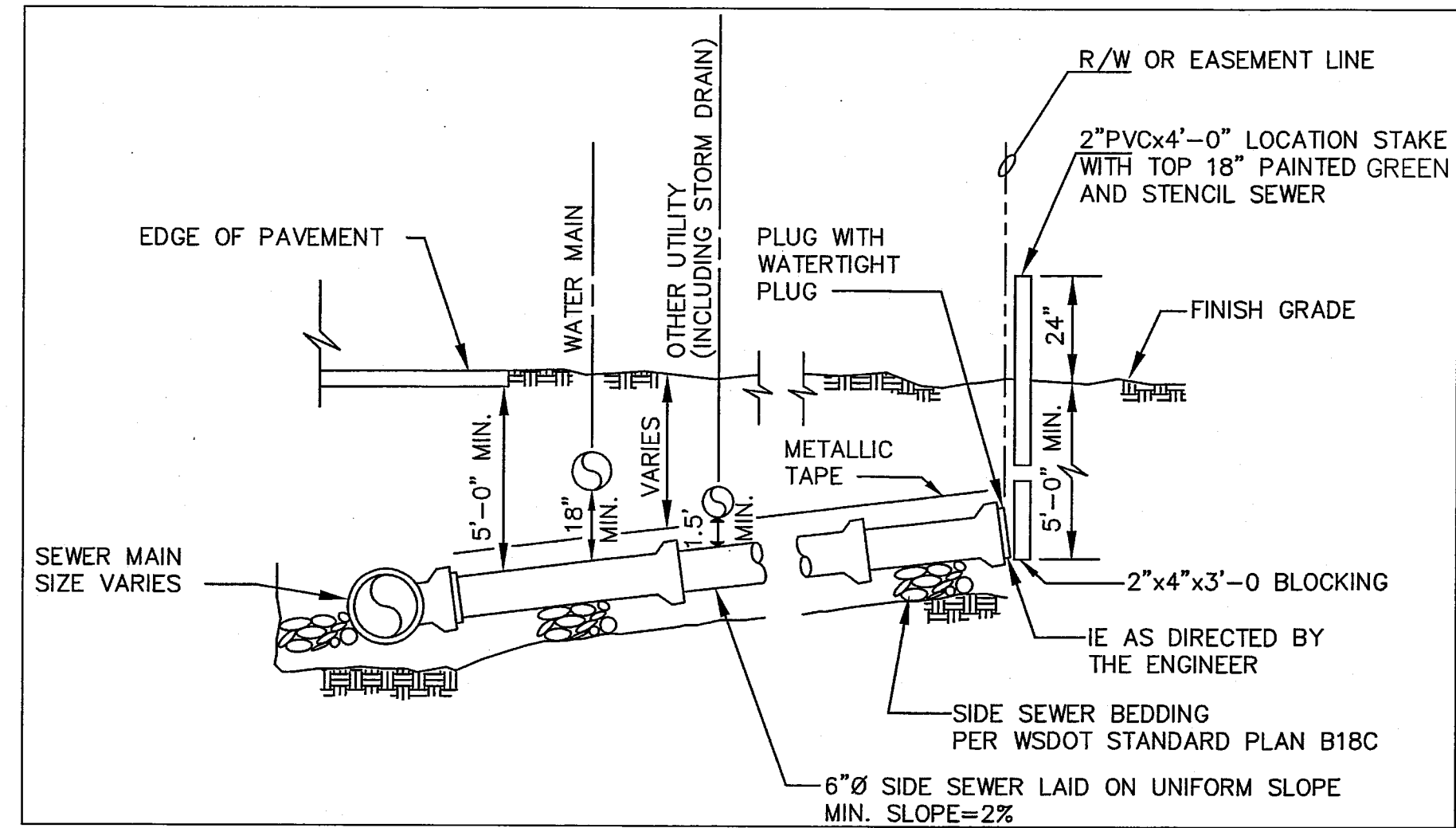
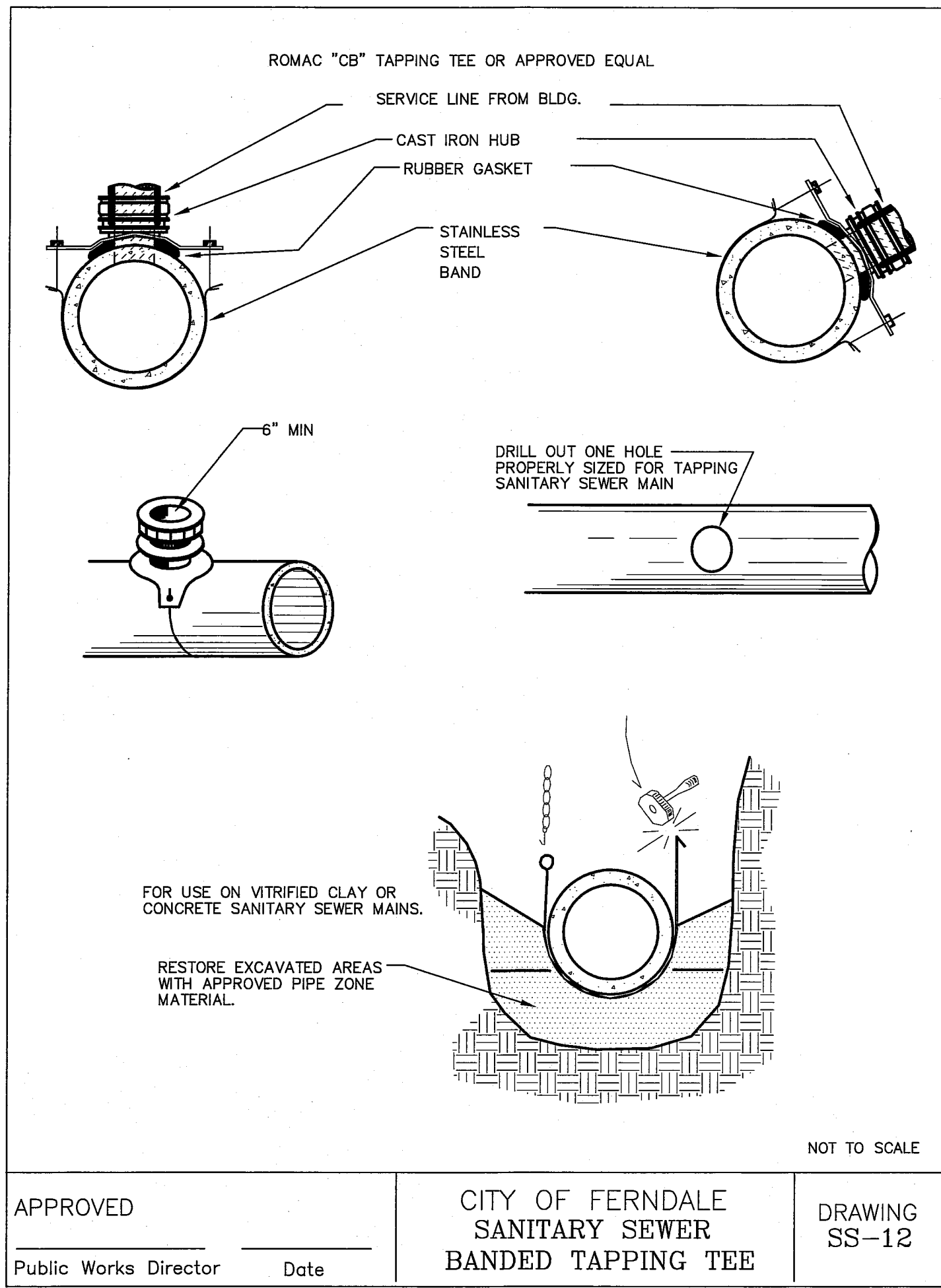
DATE 2/19/2015
SHEET 005

00591.005 1/14/10 ST

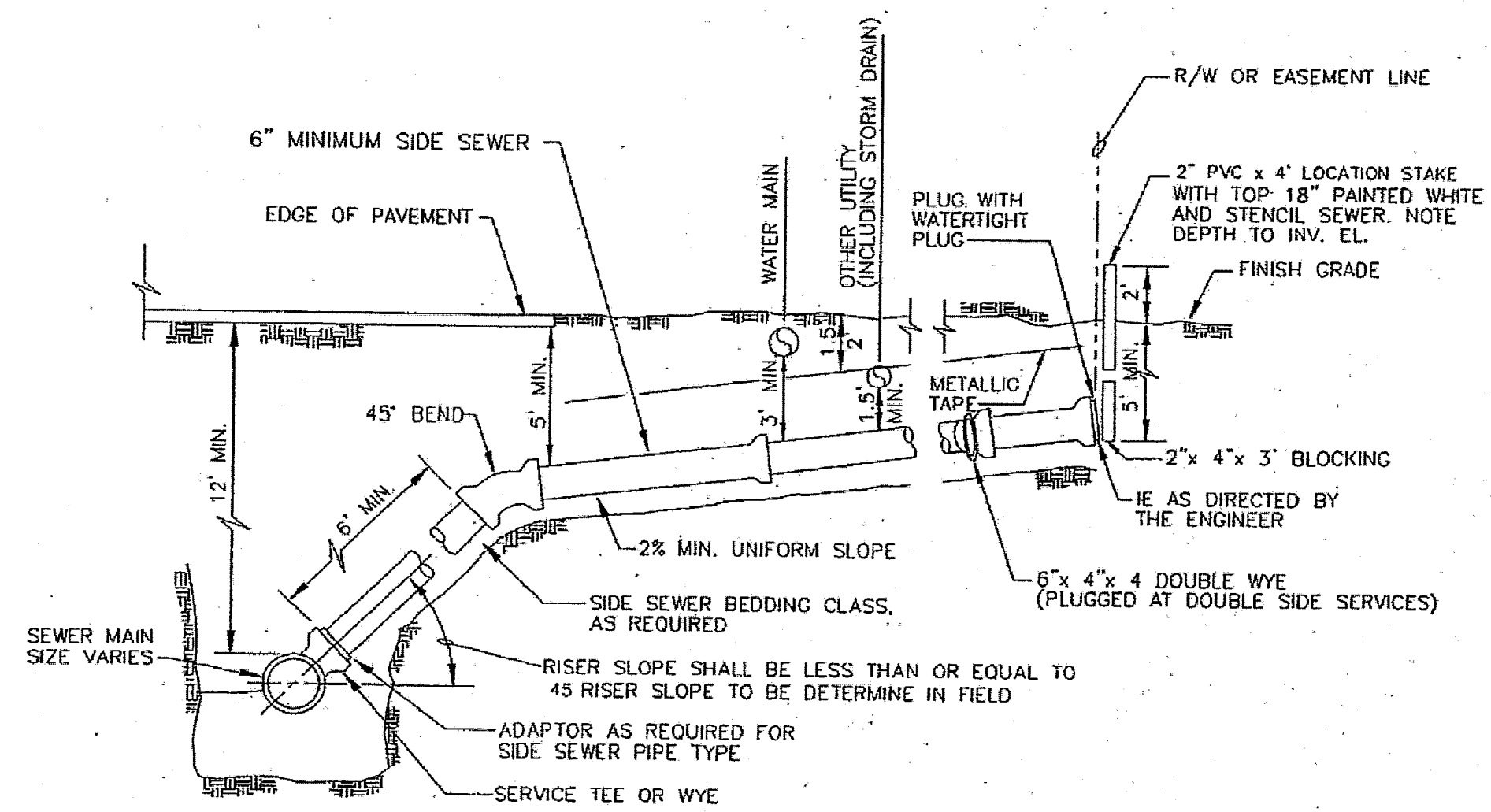
AS 9/16/11 00016500



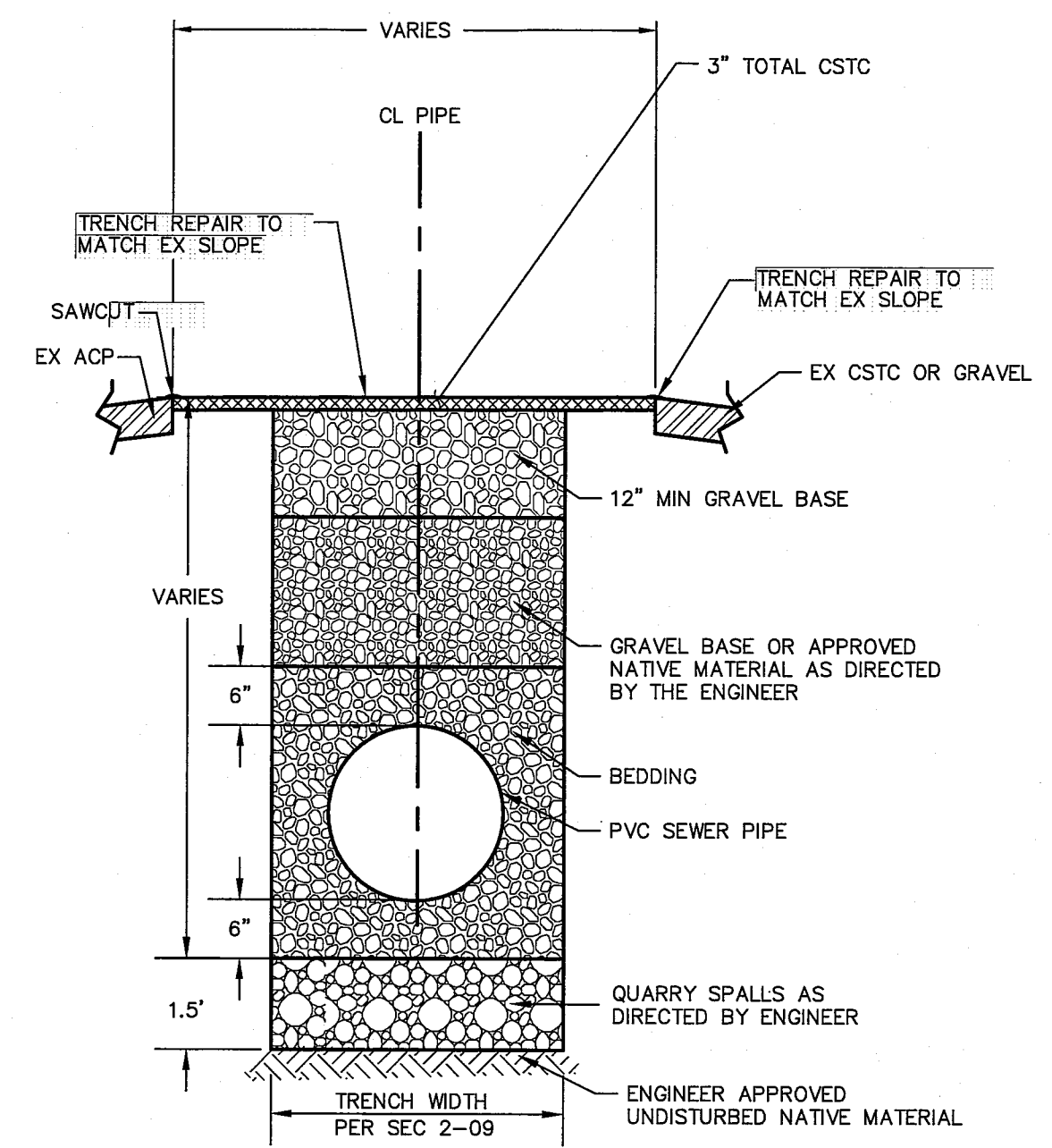
12/2/15	AS-BUILT	DESIGNED BY CMS	 Reichhardt & Ebe ENGINEERING INC							CITY OF FERNDALE 2095 MAIN STREET FERNDALE, WA 98248	STERLING SEWER PROJECT (MAIN TO WASHINGTON) FERNDALE, WA	DWG SANITARY SEWER PLAN AND PROFILE		DATE 2/19/2015	
		DRAWN BY RQ											JOB#	SCALE	SHEET
		CHECKED BY LP		P.O. Box 978 423 Front Street, Lynden, WA 98264 (360) 354-3687 813 Metcalf Street, Sedro-Woolley, WA 98284 (360) 855-1713	NO.	DATE	DESCRIPTION	BY	13042			H: 1"=20' V: 1"=2'	006		



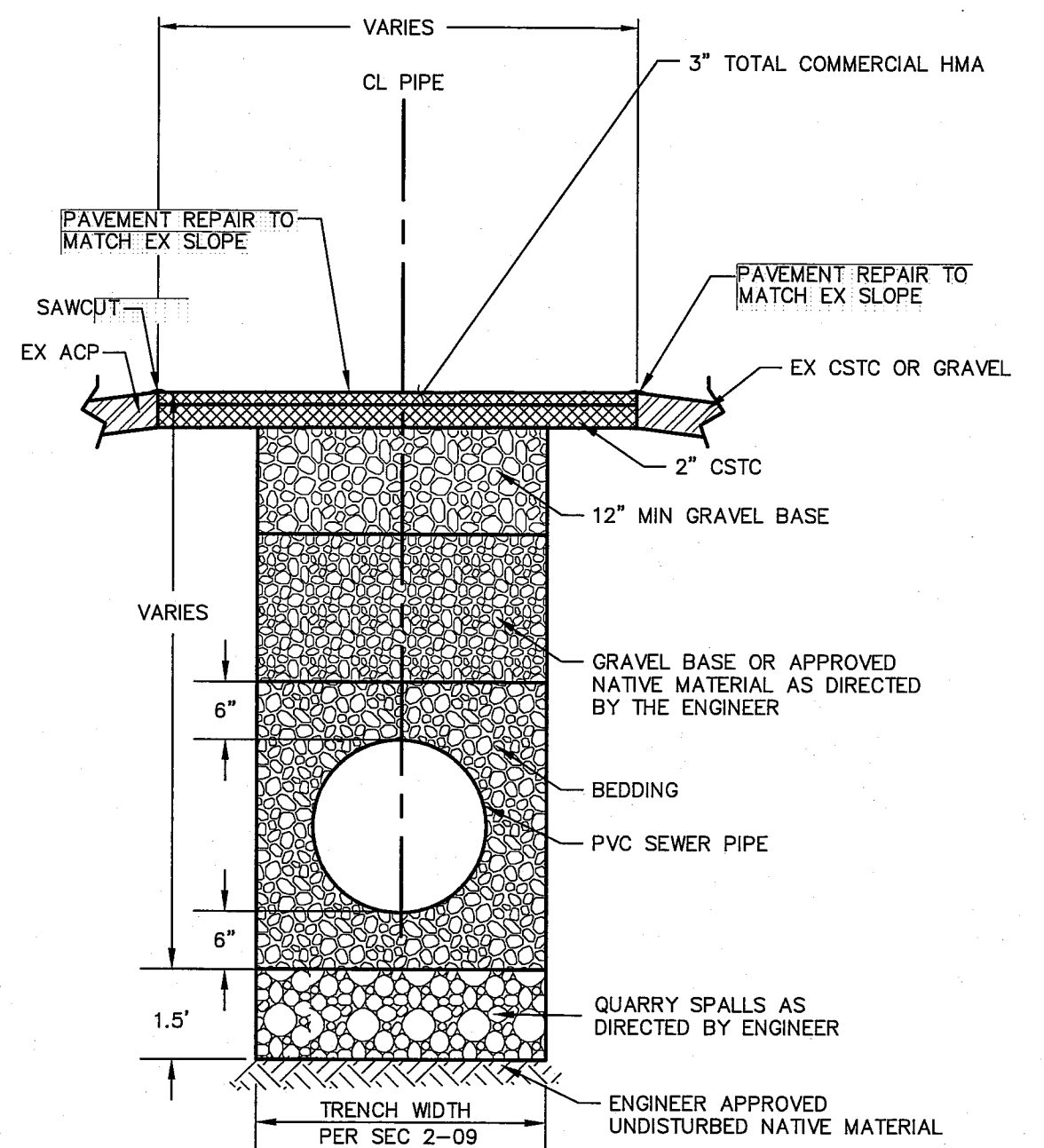
15" AND SMALLER SIDE
SEWER INSTALLATION



DEEP MAIN SIDE SEWER
INSTALLATION



TYPICAL TRENCH SECTION
CRUSHED SURFACING TOP COURSE SECTION



TYPICAL TRENCH SECTION
ASPHALT CONCRETE PAVEMENT SECTION

SUBMITTED WITH
DESIGN PLAN

DESIGNED BY
CMS
DRAWN BY
CMS
CHECKED BY
LP

R&E Reichhardt & Ebe
ENGINEERING INC
P.O. Box 978 | 423 Front Street, Lynden, WA 98264 (360) 354-3687
813 Metcalf Street, Sedro-Woolley, WA 98284 (360) 855-1713

NO.	DATE	DESCRIPTION	BY

CITY OF FERNDAL
2095 MAIN STREET
FERNDAL, WA 98248

STERLING SEWER PROJECT
(MAIN TO WASHINGTON)
FERNDAL, WA

DWG DETAILS AND TYPICAL TRENCH
SECTION
JOB# 13042
SCALE H: N/A V: N/A

DATE 2/19/2015
SHEET 007



00541-007 11/19/16 SH