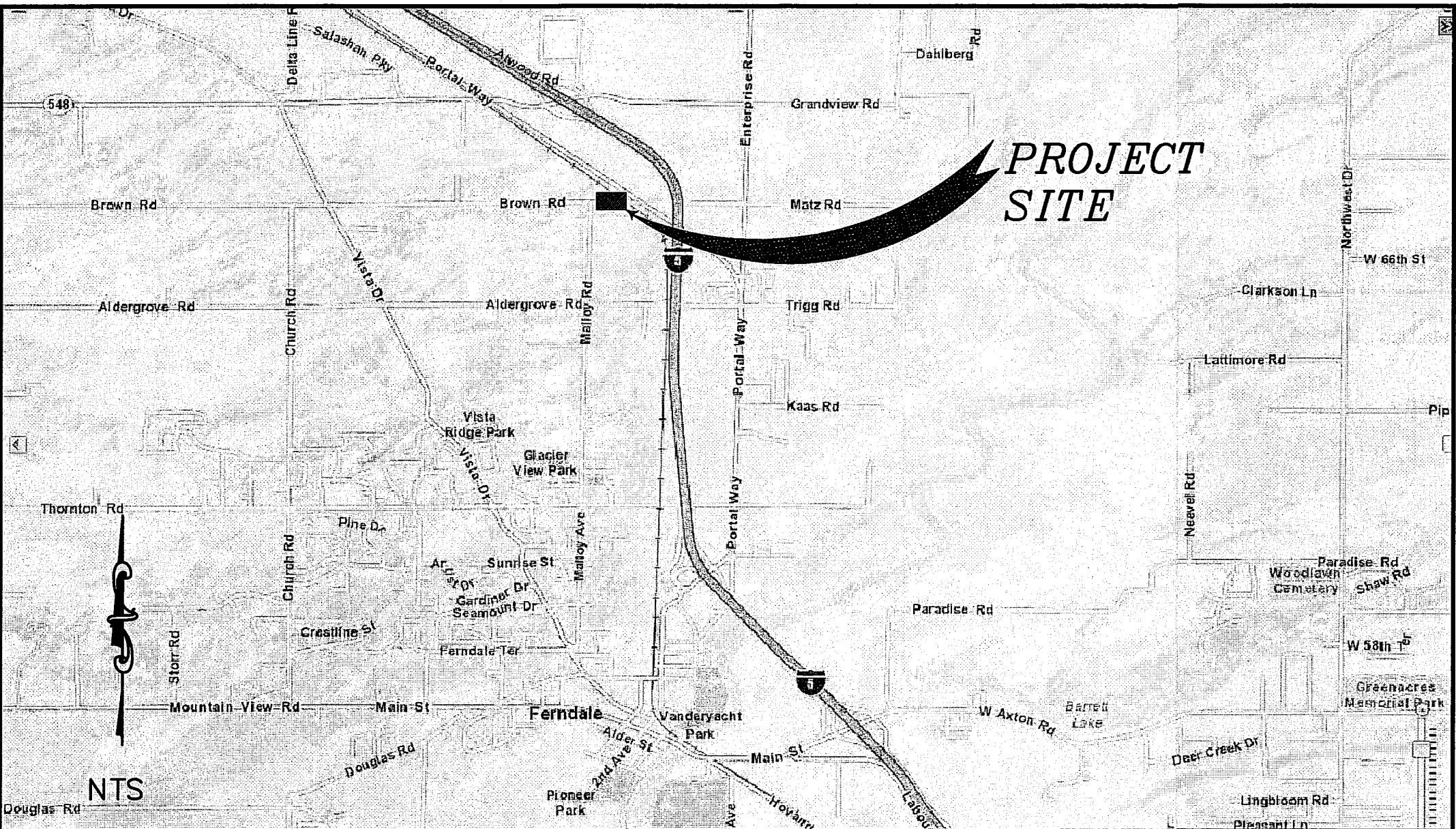


BROWN ROAD CULVERT REPLACEMENT PROJECT

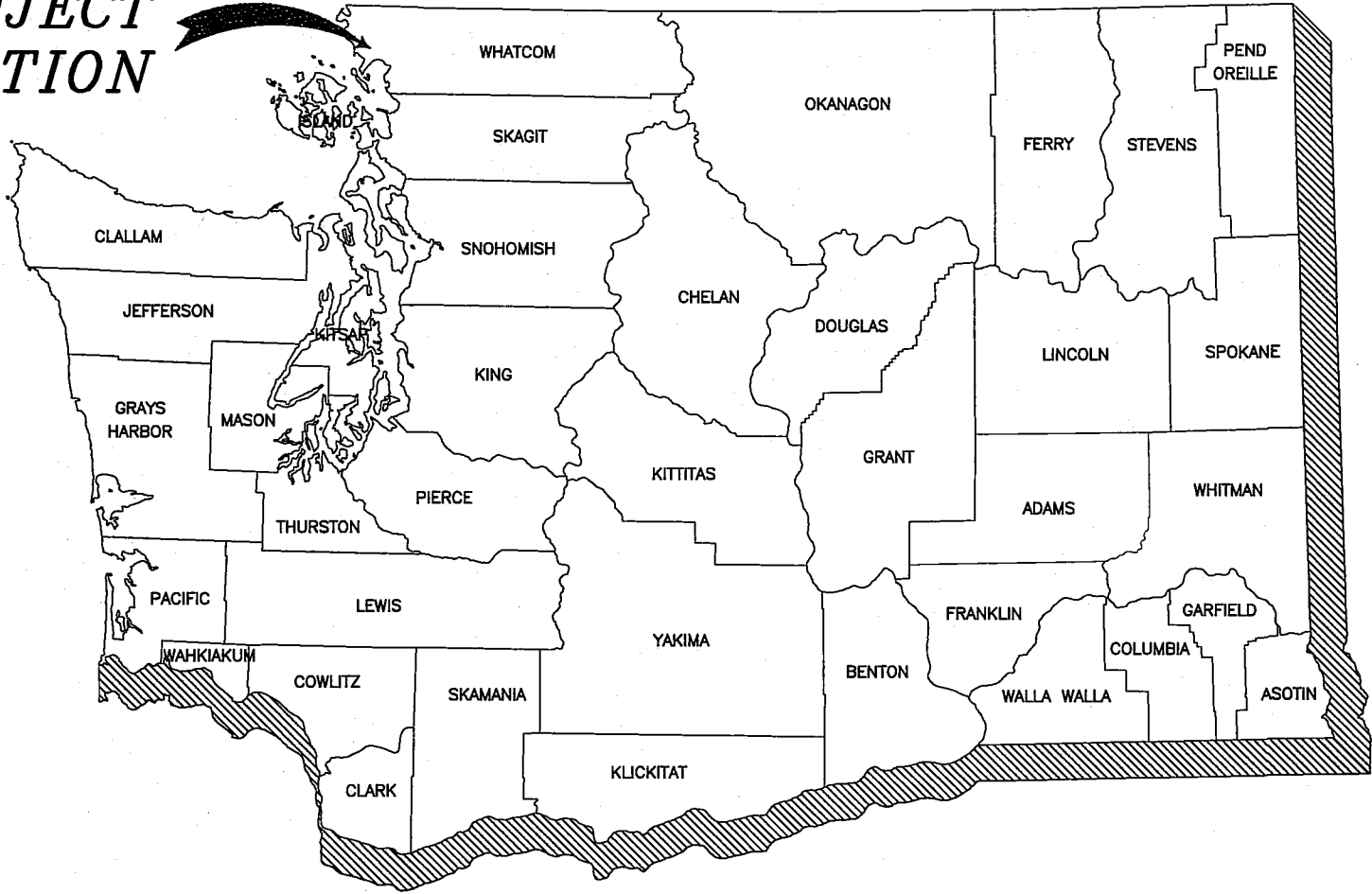
CITY OF FERNDALE - PROJECT NO. SW2014-03

VICINITY MAP

PROJECT LOCATED IN SECTION 8, TOWNSHIP 39N RANGE 2E, W.M.



PROJECT LOCATION



ABBREVIATIONS

AC	= ASBESTOS CEMENT	MAX	= MAXIMUM
AD	= ALGEBRAIC DIFFERENCE	MPOC	= MID-POINT ON CURVE
ASPH	= ASPHALT	MIN	= MINIMUM
BLDG	= BUILDING	MOD	= MODIFIED
BNSF	= BURLINGTON NORTHERN SANTE FE	MW	= MONITORING WELL
BVCE	= BEGIN VERTICAL CURVE ELEVATION	MON	= MONUMENT
BVCS	= BEGIN VERTICAL CURVE STATION	MTR	= METER
CATV	= CABLE TELEVISION	N	= NORTH
CD	= CONTROLLED DENSITY FILL	OC	= ON CENTER
CL	= CLASS	PWINT	= PAVEMENT
C	= CENTERLINE	PED	= PEDESTAL
CMP	= CORRUGATED METAL PIPE	PCC	= POINT OF COMPOUND CURVATURE
CMU	= CONCRETE MASONRY UNIT	PC	= POINT OF CURVATURE
COMP	= COMPACTED	PRC	= POINT OF REVERSE CURVE
CONC	= CONCRETE	PT	= POINT OF TANGENCY
CONT	= CONTOUR	PVC	= POINT ON CURVE
C & G	= CURB & GUTTER	PVC	= POLYVINYL CHLORIDE
CPSP	= CORRUGATED POLYETHYLENE STORM SEWER PIPE	PCC	= PORTLAND CEMENT CONCRETE
CULV	= CULVERT	POSS	= POSSIBLE
D	= DIAMETER	PROP	= PROPOSED
DI	= DUCTILE IRON	PSF	= POUNDS PER SQUARE FOOT
D/W	= DRIVEWAY	PVI	= POINT OF VERTICAL INTERSECTION
E	= EAST	PWR	= POWER
EOP, EP	= EDGE OF PAVEMENT	R	= RADIUS
EQUIV	= EQUIVALENT	RET	= RETAINING
EVCE	= END VERTICAL CURVE ELEVATION	ROW	= RIGHT OF WAY
EVLS	= END VERTICAL CURVE STATION	RT	= RIGHT
EX, EXIST	= EXISTING	R&C	= RING AND COVER
IR	= EXISTING IRRIGATION	SSMH	= SANITARY SEWER MANHOLE
SN	= EXISTING SIGN	SCH	= SCHEDULE
FT	= FEET	S	= SOUTH
FL	= FLOW LINE	SD	= STORM DRAIN
FF	= FINISHED FLOOR	STD	= STANDARD
FG	= FINISHED GRADE	SP	= STANDARD PLAN
FT/FT	= FEET PER FOOT	STA	= STATION
F&C	= FRAME AND COVER	SDCB	= STORM DRAIN CATCH BASIN
F&G	= FRAME AND GRATE	SDMH	= STORM DRAIN MANHOLE
R&C	= RING AND COVER	TEL	= TELEPHONE
GALV	= GALVANIZED	TL	= TRAFFIC LOOP
GRVL	= GRAVEL	TYP	= TYPICAL
GV	= GATE VALVE	UP	= UTILITY POLE
HDPE	= HIGH DENSITY POLYETHYLENE	UTIL	= UTILITY
HMA	= HOT MIX ASPHALT	VC	= VERTICAL CURVE
HP	= HIGH POINT	VL	= VAULT
HYD	= HYDRANT	VPC	= VERTICAL POINT OF CURVATURE
IW	= INJECTION WELL	VPI	= VERTICAL POINT OF INTERSECTION
IE, INV	= INVERT ELEVATION	VPT	= VERTICAL POINT OF TANGENCY
L	= LENGTH	WSDOT	= WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
LF	= LINEAR FEET	W	= WEST
LP	= LOW POINT	WM	= WATER METER
LOC	= LOCATION	XEOA	= EXISTING EDGE OF ASPHALT
LT	= LEFT		

EXISTING

--- TB --- TB ---	= EXISTING TOP OF BANK
--- BB --- BB ---	= EXISTING BOTTOM OF BANK
--- SD --- SD ---	= EXISTING DITCH
--- 95 --- 95 ---	= EXISTING CULVERT
--- 95 --- 95 ---	= EXISTING MAJOR CONTOUR
--- 95 --- 95 ---	= EXISTING MINOR CONTOUR
--- SD --- SD ---	= EXISTING STORM DRAIN
--- X --- X ---	= EXISTING FENCE
---	= EXISTING GRAVEL
---	= EXISTING PROPERTY BOUNDARY
---	= EXISTING RIGHT OF WAY
---	= EXISTING RIGHT OF WAY
---	= EXISTING ROAD
---	= EXISTING TRAFFIC STRIPING
---	= EXISTING EDGE OF PAVEMENT
--- OHP --- OHP ---	= EXISTING OVERHEAD POWER
--- OHC --- OHC ---	= EXISTING OVERHEAD COMMUNICATIONS
--- FO --- FO ---	= EXISTING FIBER OPTICS BURIED
--- T --- T ---	= EXISTING TELEPHONE BURIED
--- OHW --- OHW ---	= EXISTING ORDINARY HIGH WATER
---	= EXISTING RR TRACKS
---	= EXISTING BNSF ROW
---	= EXISTING STREET LIGHT ASSEMBLY
---	= EXISTING GUY WIRE
---	= EXISTING MAIL BOX
---	= EXISTING UTILITY POLE
---	= EXISTING SIGN
---	= EXISTING TELEPHONE PEDESTAL
---	= EXISTING BENCH MARK
---	= EXISTING IRON PIPE
---	= EXISTING MONUMENT (IN CASE)
---	= EXISTING MONUMENT (SURFACE)
---	= EXISTING ANGLE POINT
---	= EXISTING TREE
---	= EXISTING VEGETATION

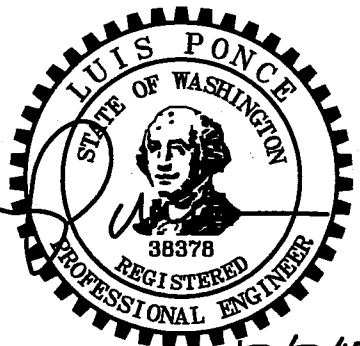
LEGEND

PROPOSED

--- TB --- TB ---	= PROPOSED TOP OF BANK
--- BB --- BB ---	= PROPOSED TOE OF BANK
---	= PROPOSED SAWCUT
--- 95 --- 95 ---	= PROPOSED MAJOR CONTOUR
--- 95 --- 95 ---	= PROPOSED MINOR CONTOUR
---	= PROPOSED ROAD
---	= PROPOSED DITCH
--- X --- X ---	= PROPOSED FENCE
---	= PROPOSED GRAVEL
---	= PROPOSED ROAD EDGE OF PAVEMENT
---	= PROPOSED TRAFFIC STRIPE
---	= PROPOSED SILT FENCE
---	= PROPOSED CONSTRUCTION EASEMENT
---	= PROPOSED GRADE BREAK
---	= PROPOSED GRIND
---	= PROPOSED DEMOLITION AREA
---	= PROPOSED ASPHALT
---	= PROPOSED SIGN
---	= FLOW ARROW
---	= SECTION MARK

SHEET SERIES INDEX

SHEET	DESCRIPTION
1	COVER
2	EXISTING CONDITIONS, TESC, AND DEMOLITION PLAN
3	DETOUR PLAN
4	PLAN AND PROFILE
5	DETAILS
6	DETAILS AND TYPICAL SECTIONS



12/2/15 AS-BUILT

DESIGNED BY
ARS
DRAWN BY
ARS
CHECKED BY
LP

R&E Reichhardt & Ebe
ENGINEERING INC

P.O. Box 978 | 423 Front Street, Lynden, WA 98264 (360) 354-3687
813 Metcalfe Street, Sedro-Woolley, WA 98284 (360) 855-1713

3	6/23/15	REVISION - 1
2	5/12/15	ADDENDUM - 2
1	5/8/15	ADDENDUM - 1
NO.	DATE	DESCRIPTION

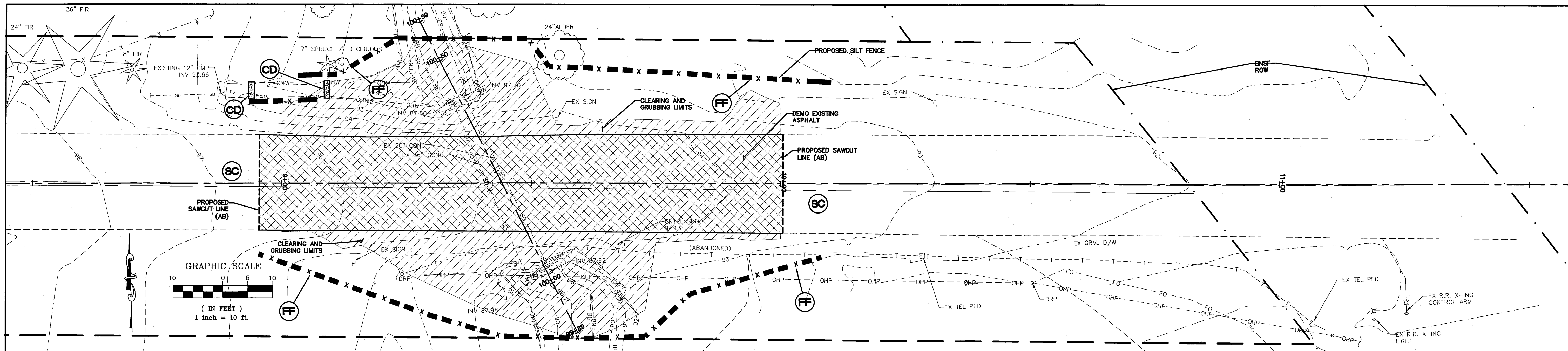
CITY OF FERNDALE
2095 MAIN STREET
FERNDALE, WA 98248

BROWN ROAD
CULVERT REPLACEMENT PROJECT
COVER

DWG 14035 AS Built
JOB# 14035

SCALE
H: N/A V: N/A

DATE 9/17/15
SHEET 1 of 6



00509.002 11/9/16 stf

LEGEND

SYMBOL

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



BMP C103 AND C233: CLEARING LIMITS
AND FILTER FABRIC FENCE - SEE
DETAIL SHEET



BMP C208: GEOTEXTILE ENCASED
CHECK DAM - SEE DETAIL SHEET



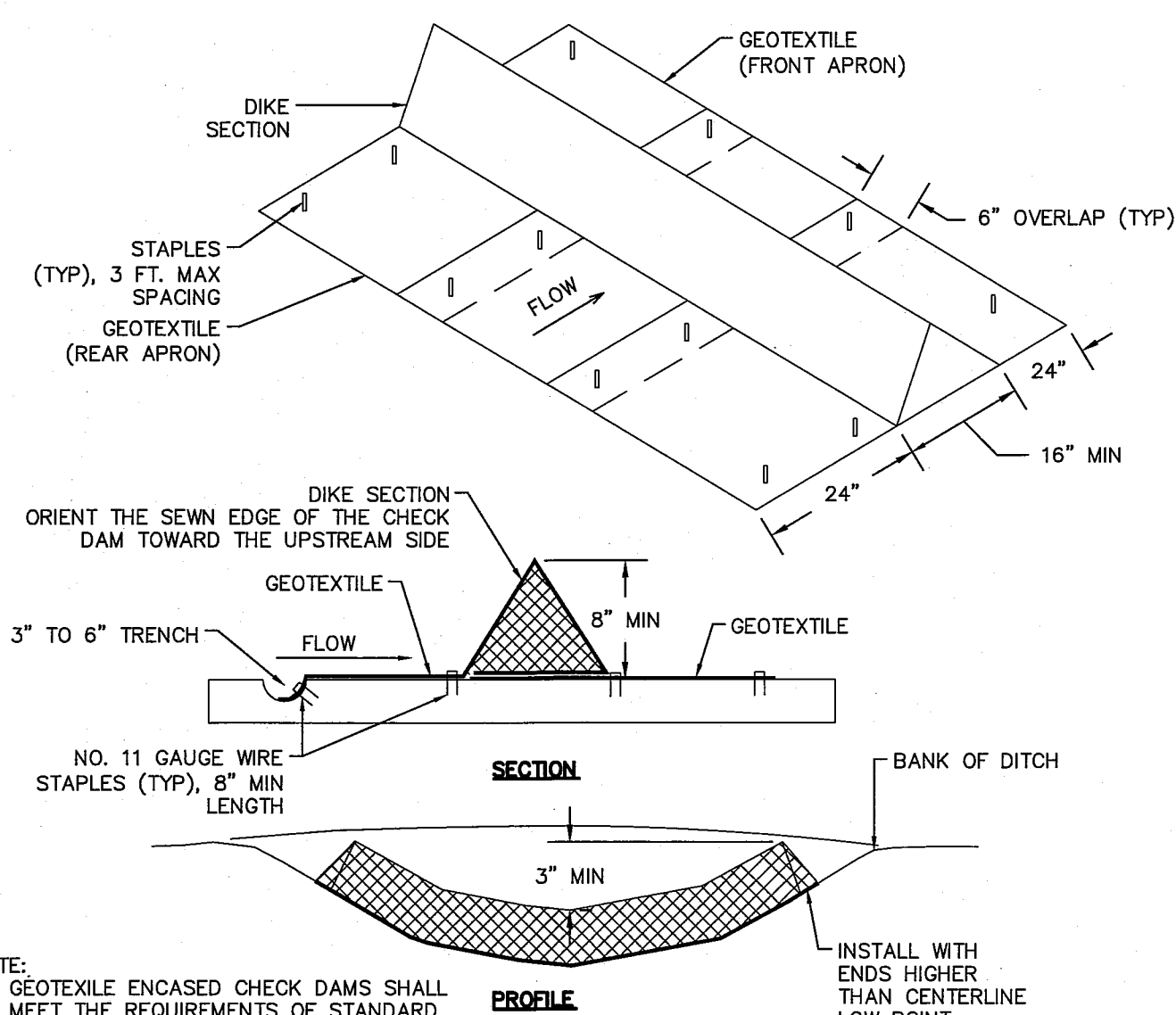
BMP C105 AND C140:
STREET CLEANING

NOTES:
1. BMP C120 (PERMANENT SEEDING) AND BMP C130 (SURFACE
ROUGHENING).

--- SAWCUT LINE

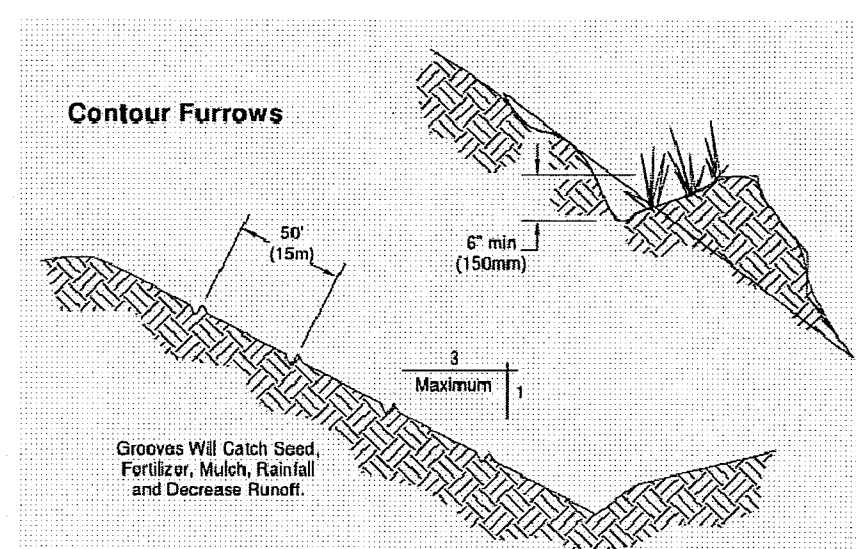
ASPHALT DEMOLITION

CLEAR AND GRUBBING LIMITS



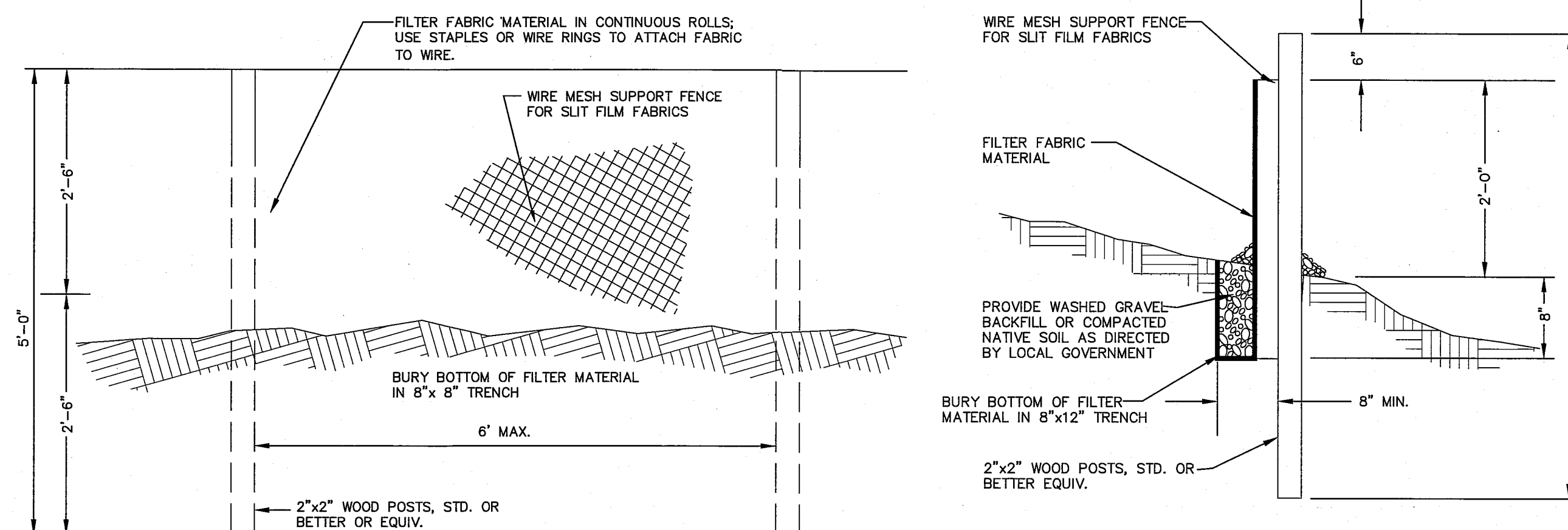
GEOTEXTILE-ENCASED CHECK DAM

NTS



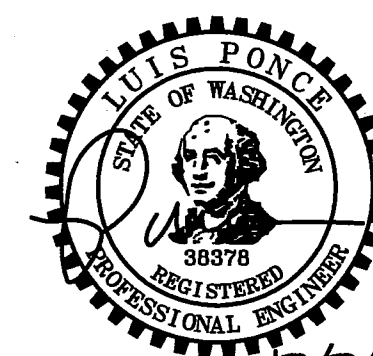
SURFACE ROUGHENING

NTS



FILTER FABRIC FENCE DETAIL

NTS



12/2/15

12/2/15
AS-BUILT

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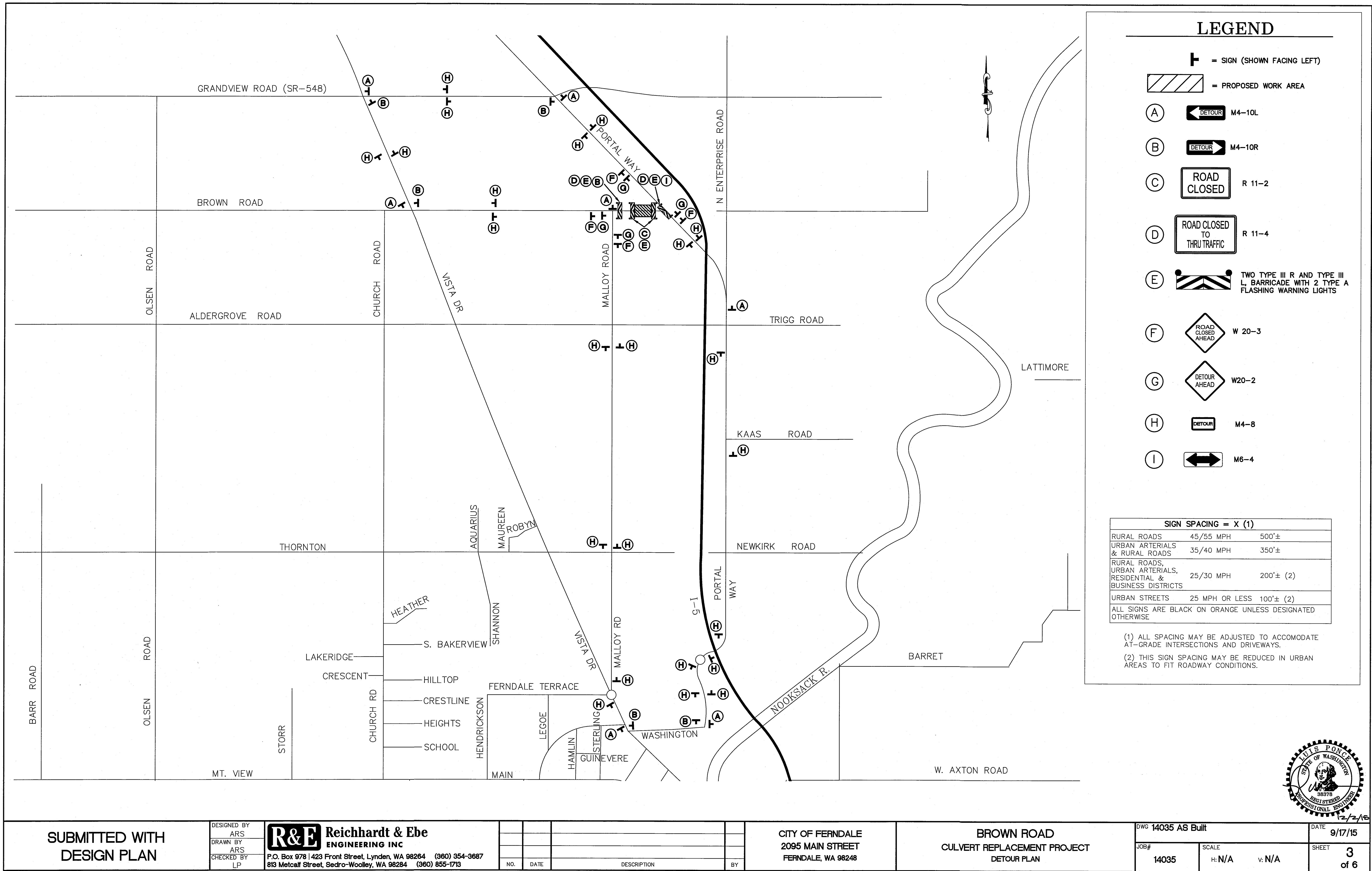
CITY OF FERNDALE
2095 MAIN STREET
FERNDALE, WA 98248

BROWN ROAD
CULVERT REPLACEMENT PROJECT
EXISTING CONDITIONS, TESC AND DEMOLITION PLAN

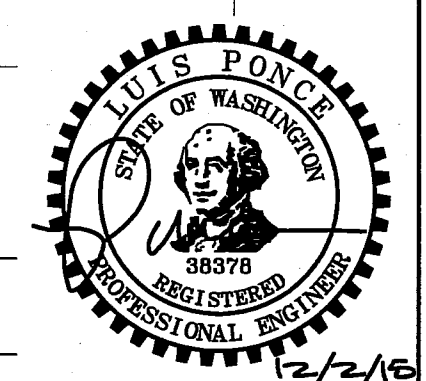
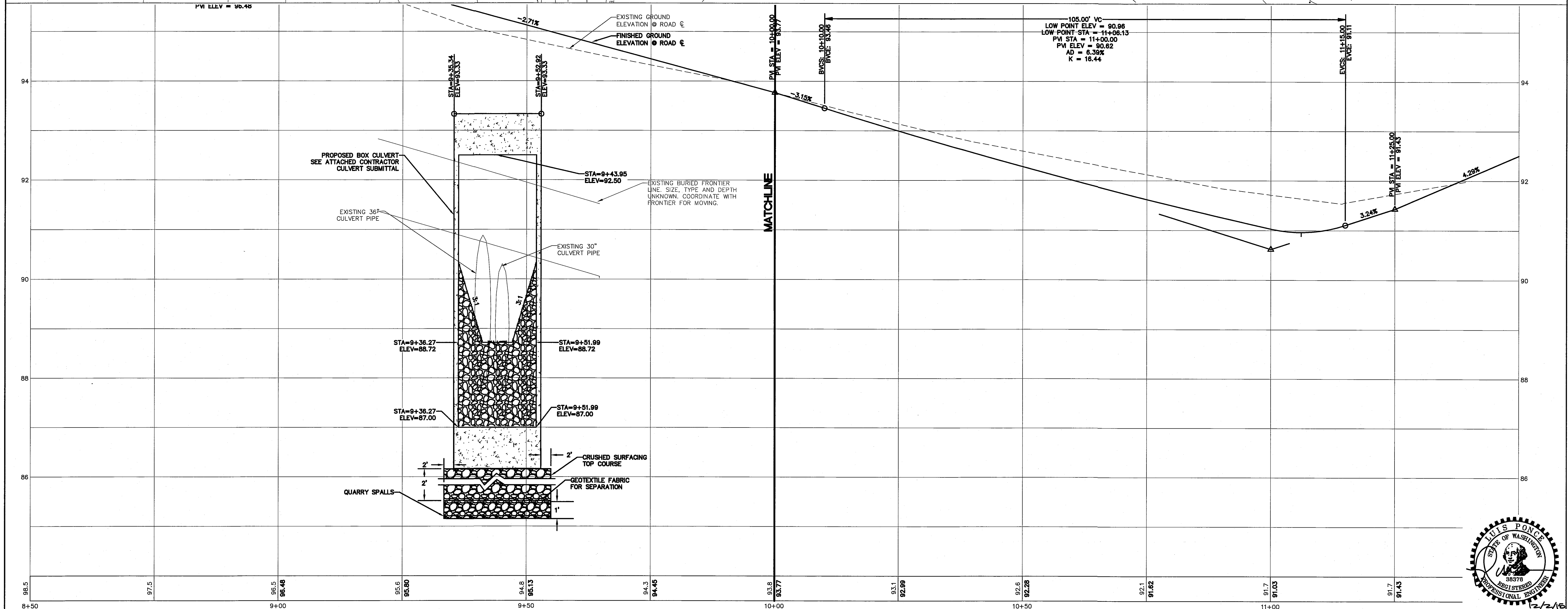
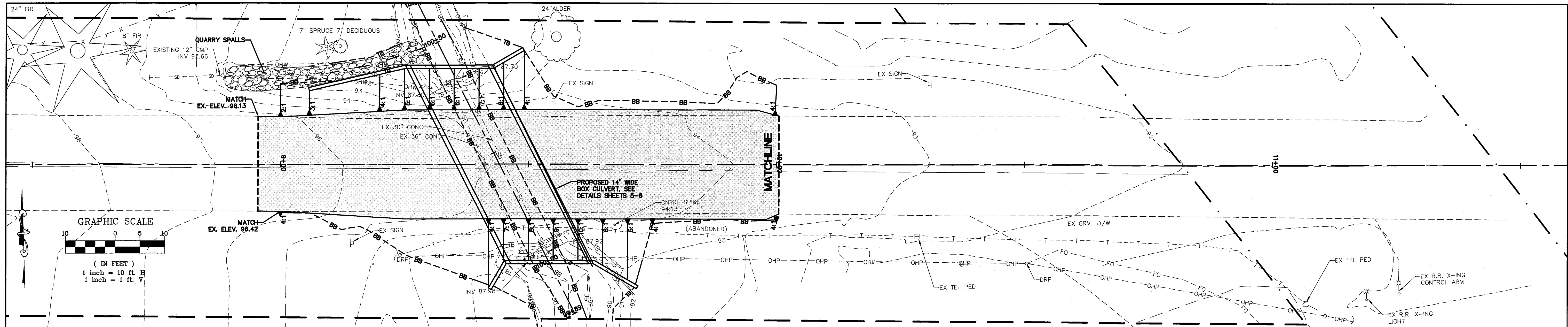
DWG 14035 AS Built
JOB# 14035
SCALE
H: 1"=10' V: 1"=1'

DATE 9/17/15
SHEET 2
of 6

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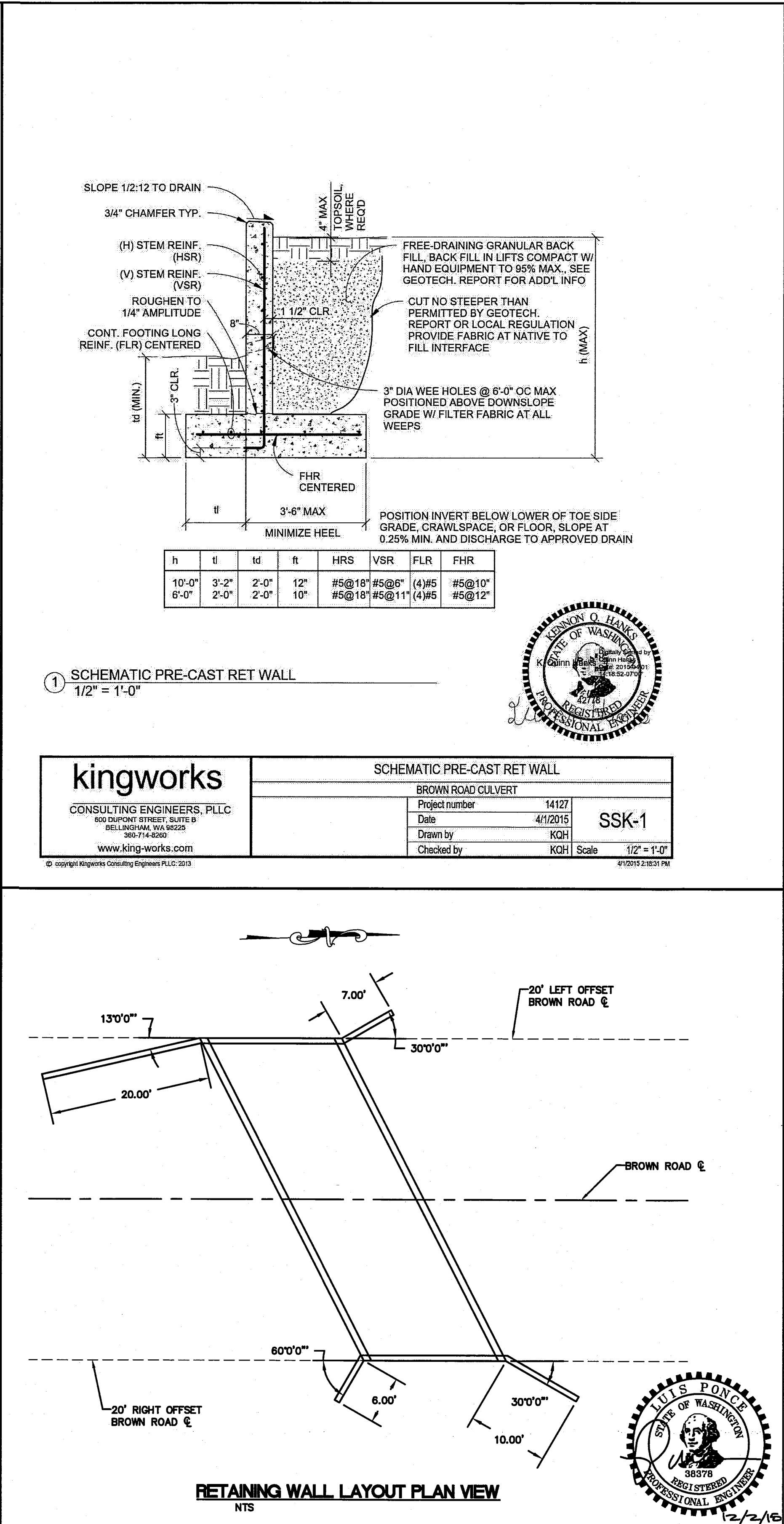
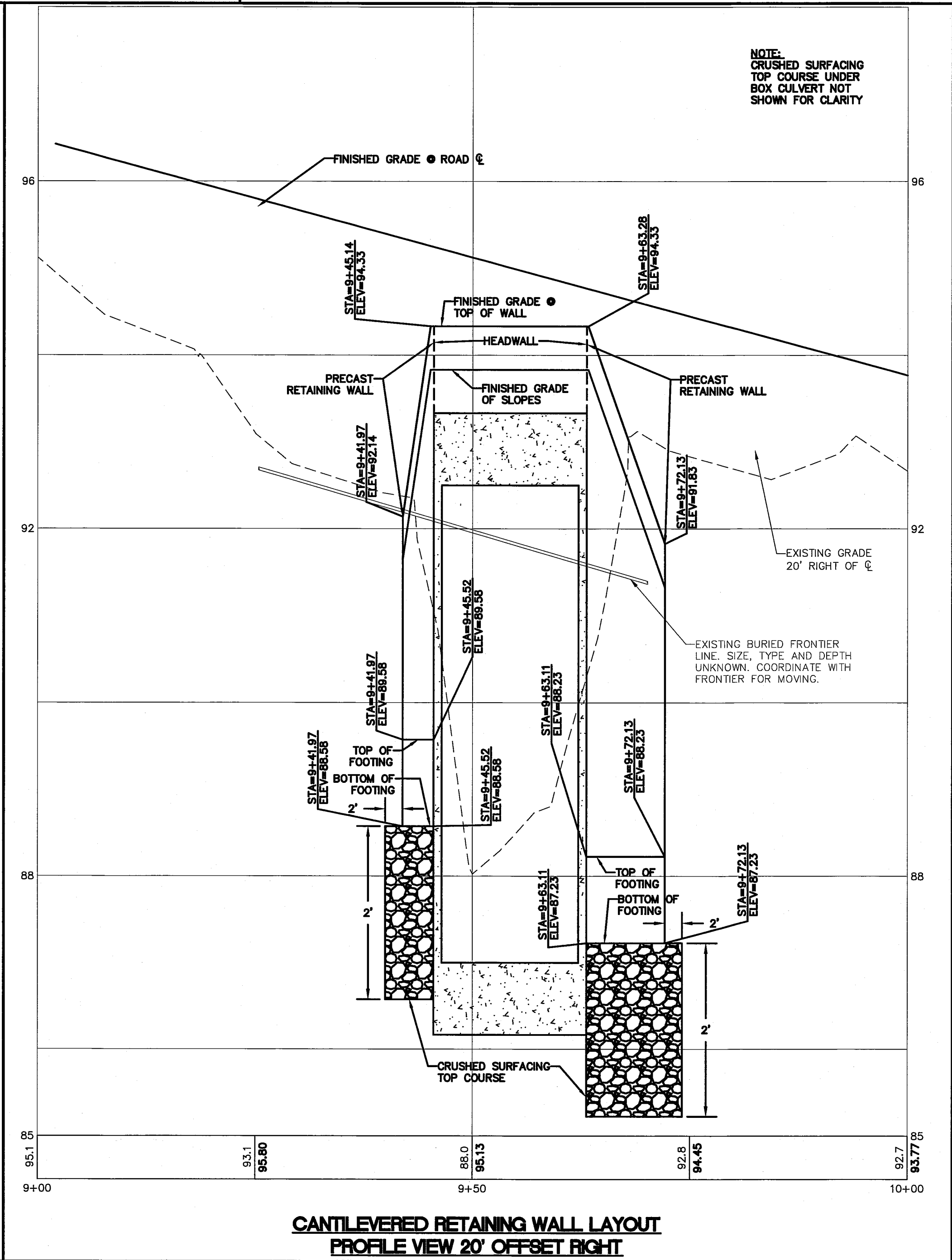
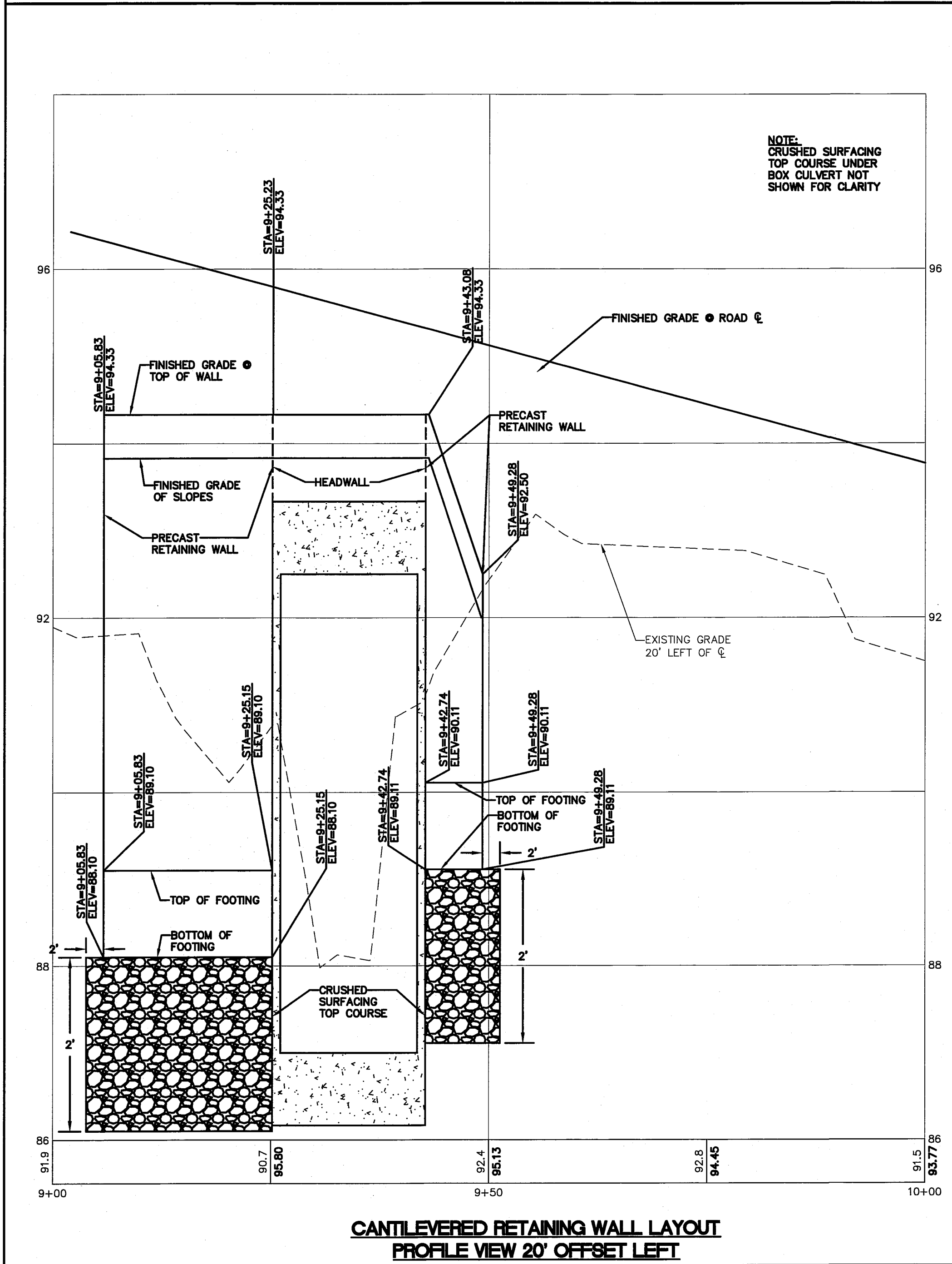
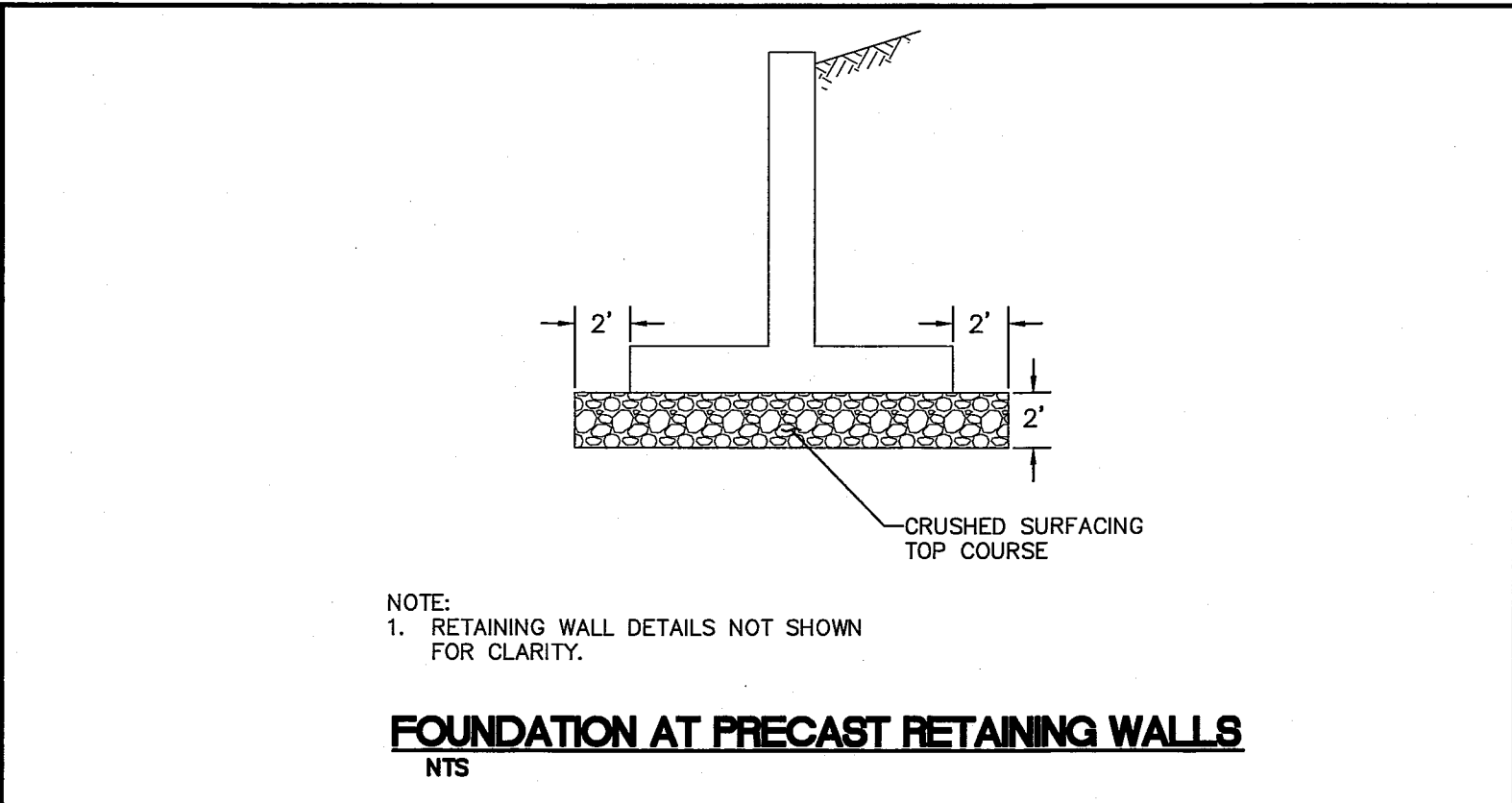
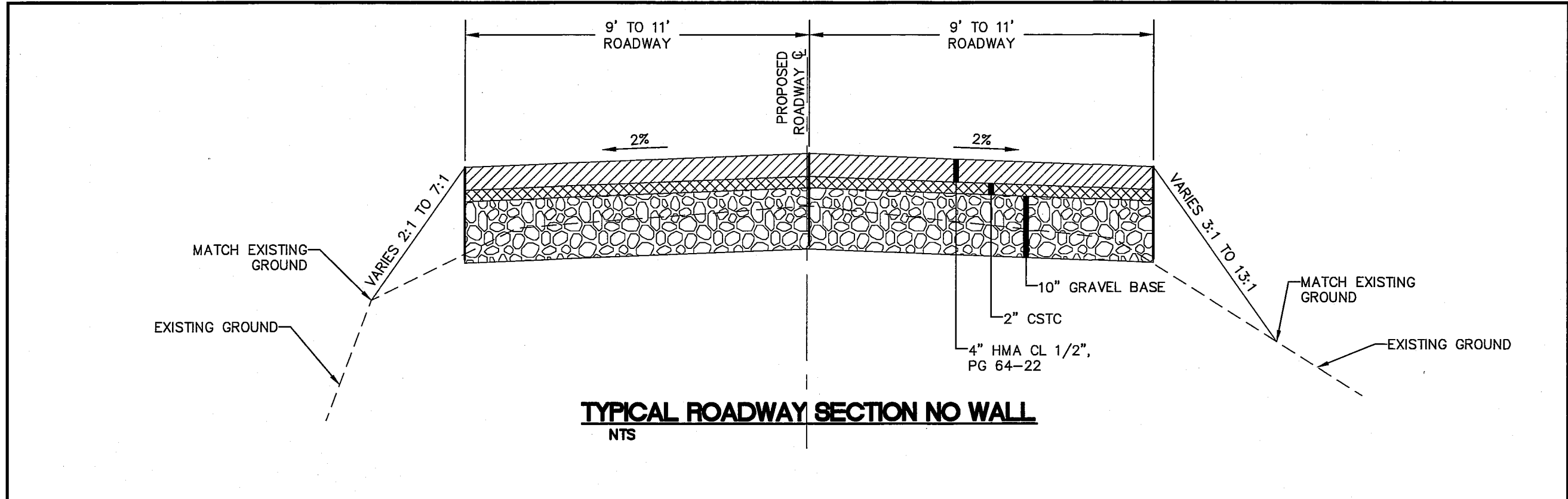


03589.003 1/16/16



12/2/15 AS-BUILT		DESIGNED BY ARS		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	BROWN ROAD CULVERT REPLACEMENT PROJECT PLAN AND PROFILE			DWG 14035 AS Built		DATE 9/17/15
		DRAWN BY ARS			2	7/28/15	REVISION - 2: ADJUST GRADES TO MATCH @ 10+00	LP					JOB#	SCALE	SHEET
		CHECKED BY LP			1	5/8/15	ADDENDUM - 1	LP					14035	H: 1"=10' V: 1"=1'	4
					NO.	DATE	DESCRIPTION	BY							of 6

00589.004 1/19/16 ST



05/29/16 11:01:16 AM