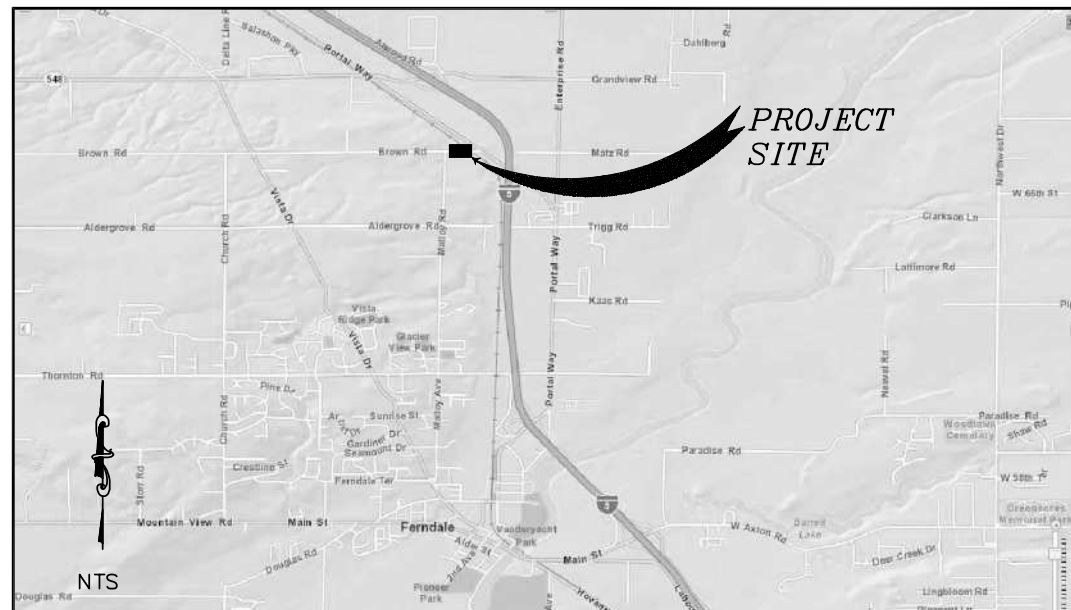


BROWN ROAD CULVERT REPLACEMENT PROJECT

CITY OF FERNDALE - PROJECT NO. SW2014-03

VICINITY MAP

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



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
CDF	= CONTROLLED DENSITY FILL	OC	= ON CENTER
CL	= CLASS	PVMNT	= PAVEMENT
CL	= 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	PON	= POINT ON CURVE
C & G	= CURB & GUTTER	PVC	= POLYVINYL CHLORIDE
CPSSP	= CORRUGATED POLYETHYLENE STORM SEWER PIPE	PCC	= PORTLAND CEMENT CONCRETE
CULV	= CULVERT	POSS	= POSSIBLE
Ø	= 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&G	= 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	VLT	= 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
--- ---	= EXISTING DITCH CL
>--- SD --- SD <	= EXISTING CULVERT
--- 95 ---	= EXISTING MAJOR CONTOUR
--- 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 CL
---	= EXISTING ROAD CL
---	= 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 ---	= PROPOSED MAJOR CONTOUR
--- 95 ---	= PROPOSED MINOR CONTOUR
---	= PROPOSED ROAD CL
---	= PROPOSED DITCH CL
--- X --- X ---	= PROPOSED FENCE
---	= PROPOSED GRAVEL
---	= PROPOSED ROAD EDGE OF PAVEMENT
---	= PROPOSED TRAFFIC STRIPE
--- X --- X ---	= PROPOSED SILT FENCE
---	= PROPOSED CONSTRUCTION EASEMENT
---	= PROPOSED GRADE BREAK
---	= PROPOSED GRIND
---	= PROPOSED DEMOLITION AREA
---	= PROPOSED ASPHALT
---	= PROPOSED SIGN
---	= FLOW ARROW
---	= SECTION MARK

PROJECT LOCATION



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



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CITY OF FERNDALE
2095 MAIN STREET
FERNDALE, WA 98248

BROWN ROAD
CULVERT REPLACEMENT PROJECT
COVER

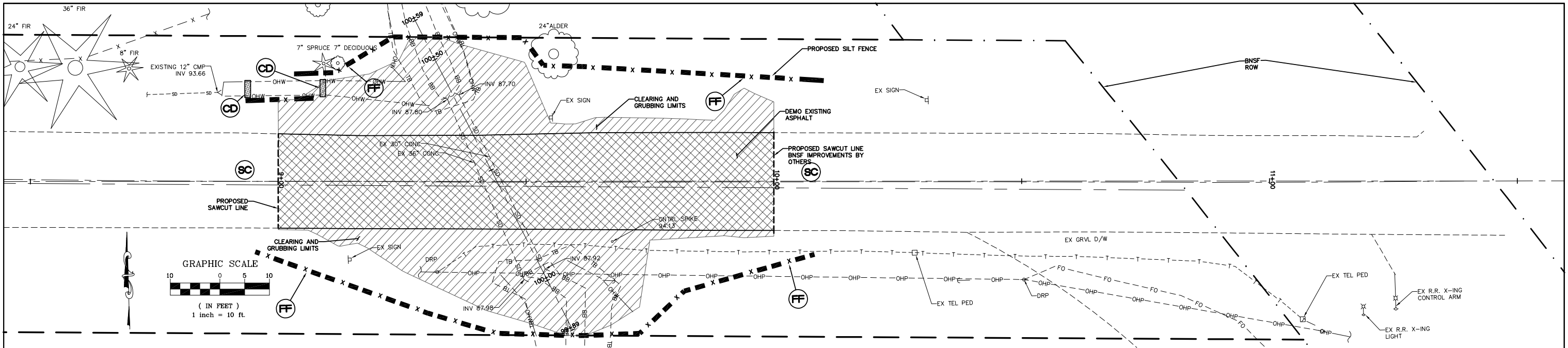
DWG 14035 Base Map

DATE 4/22/15

JOB# 14035

SCALE H: N/A V: N/A

SHEET 1 of 6



LEGEND

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

SYMBOL



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

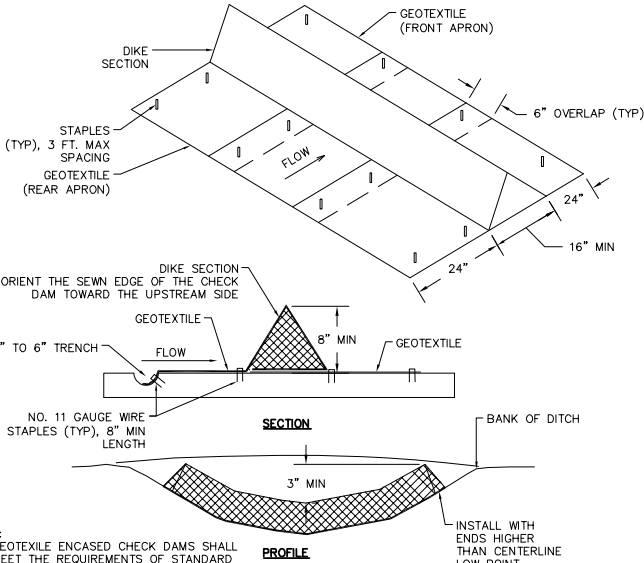
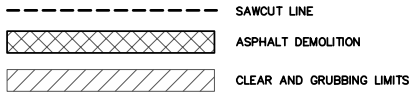


BMP C208: GEOTEXTILE ENCASED
CHECK DAM - SEE DETAIL SHEET



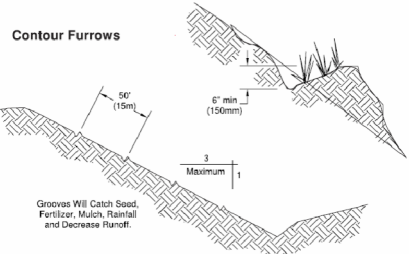
BMP C105 AND C140:
STREET CLEANING

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

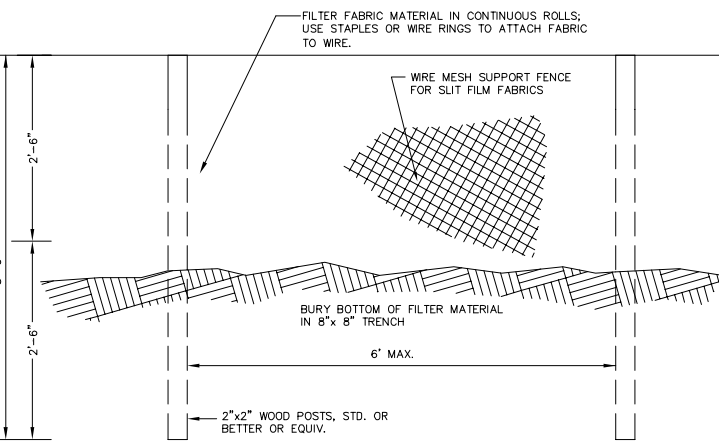


NOTE:
1. GEOTEXTILE ENCASED CHECK DAMS SHALL
MEET THE REQUIREMENTS OF STANDARD
SPECIFICATIONS 8-01.3(A) & 9-14.5(4).
2. GEOTEXTILE MATERIAL SHALL MEET THE
REQUIREMENTS OF 9-33.2(1), TABLE 6.

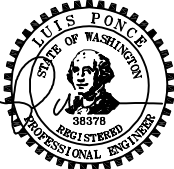
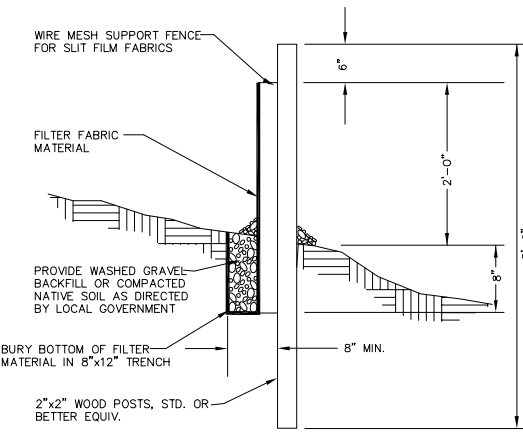
GEOTEXTILE-ENCASED CHECK DAM
NTS



SURFACE ROUGHENING
NTS



FILTER FABRIC FENCE DETAIL
NTS



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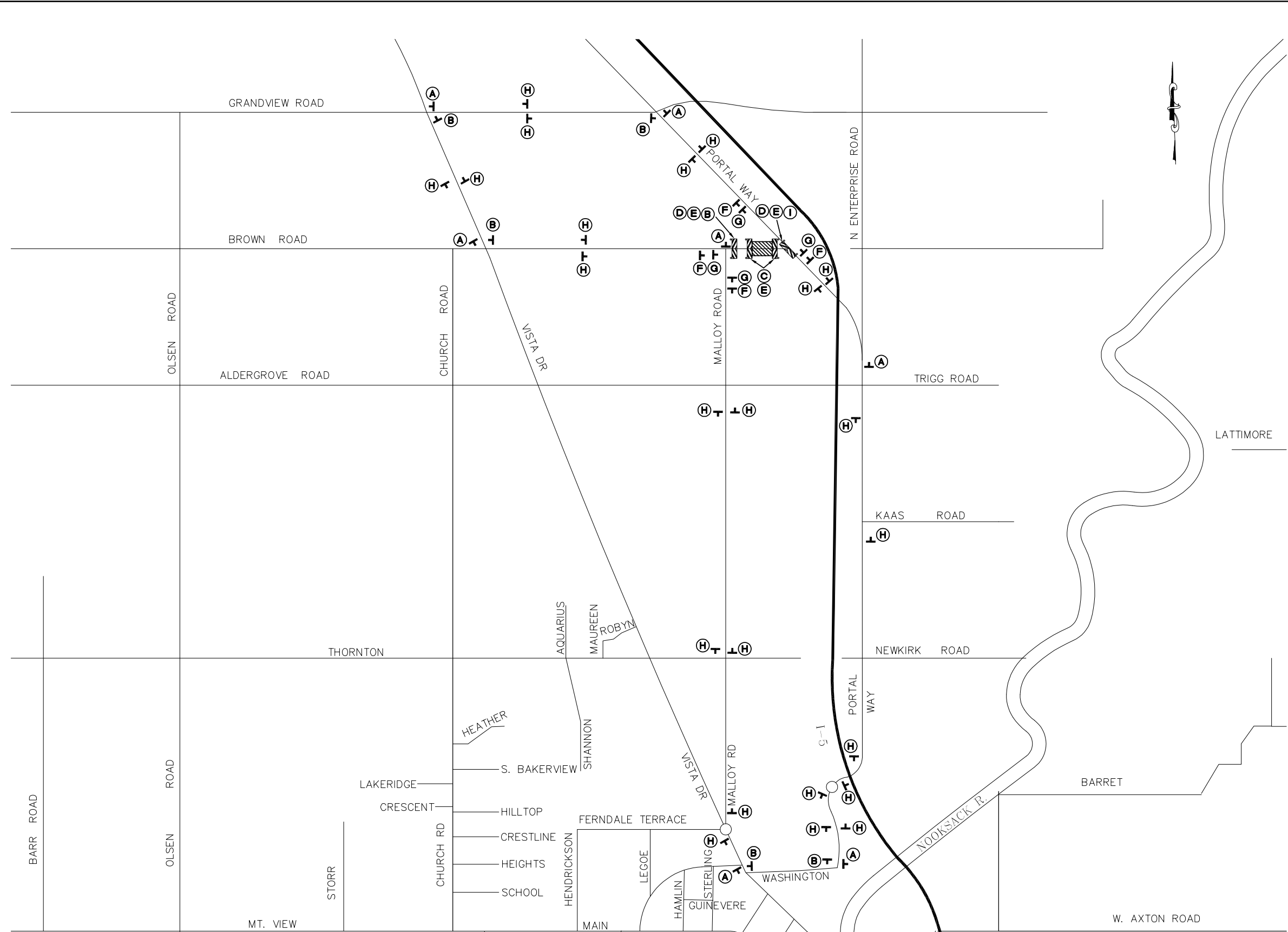
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NO.	DATE	DESCRIPTION	BY

CITY OF FERNDAL
2095 MAIN STREET
FERNDAL, WA 98248

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

DWG # 14035 Base Map	DATE 4/22/15
JOB # 14035	SHEET 2 of 6
SCALE H: 1"=10' V: 1"=1'	



LEGEND

- = SIGN (SHOWN FACING LEFT)
- = PROPOSED WORK AREA
- (A) M4-10L
- (B) M4-10R
- (C) R 11-2
- (D) R 11-4
- (E) TWO TYPE III R AND TYPE III L, BARRICADE WITH 2 TYPE A FLASHING WARNING LIGHTS
- (F) W 20-3
- (G) W20-2
- (H) M4-8
- (I) M6-4

SIGN SPACING = X (1)		
RURAL ROADS	45/55 MPH	500'±
URBAN ARTERIALS & RURAL ROADS	35/40 MPH	350'±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25/30 MPH	200'± (2)
URBAN STREETS	25 MPH OR LESS	100'± (2)
ALL SIGNS ARE BLACK ON ORANGE UNLESS DESIGNATED OTHERWISE		

- (1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE AT-GRADE INTERSECTIONS AND DRIVEWAYS.
- (2) THIS SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



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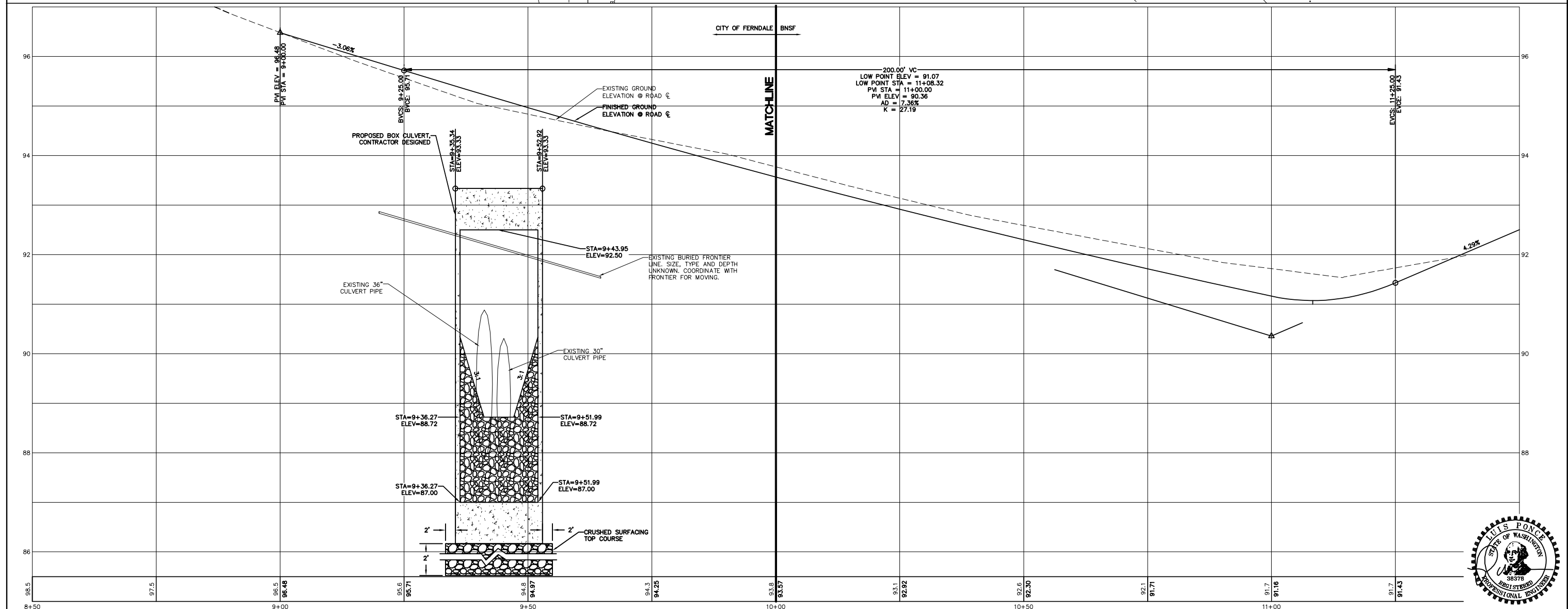
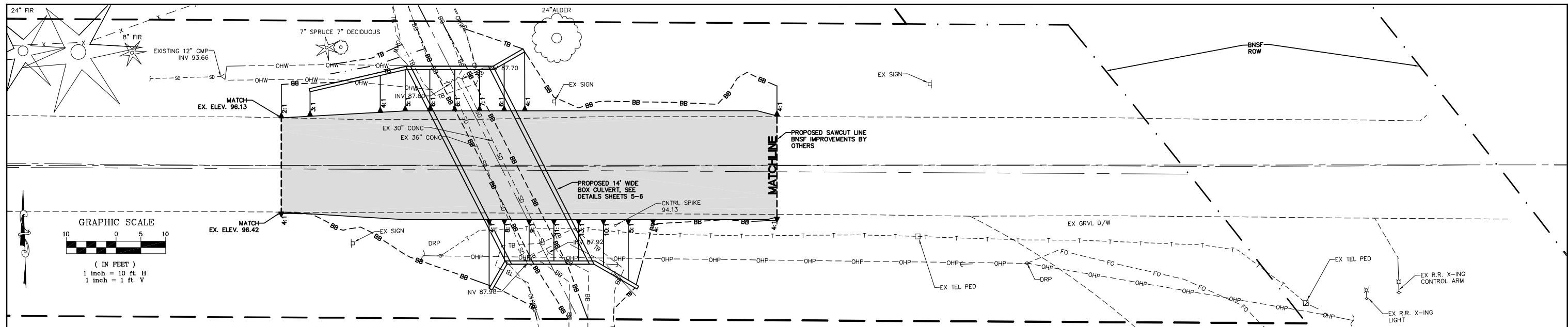
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CITY OF FERNDALE
2095 MAIN STREET
FERNDALE, WA 98248

BROWN ROAD
CULVERT REPLACEMENT PROJECT
DETOUR PLAN

DWG 14035 Base Map		DATE 4/22/15	
JOB# 14035	SCALE H: N/A V: N/A	SHEET 3 of 6	



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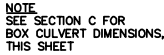
NO.	DATE	DESCRIPTION	BY

CITY OF FERNDAL
2095 MAIN STREET
FERNDAL, WA 98248

BROWN ROAD
CULVERT REPLACEMENT PROJECT
PLAN AND PROFILE

DWG 14035 Base Map
JOB# 14035
SCALE
H: 1"=10' V: 1"=1'

DATE 4/22/15
SHEET 4 of 6



SUBMIT DESIGN DRAWINGS AND CALCULATIONS FOR THE PRECAST CULVERT ELEMENTS, INCLUDING CANTILEVERED RETAINING WALLS, FOR ENGINEER REVIEW PRIOR TO FABRICATION.



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BROWN ROAD
CULVERT REPLACEMENT PROJECT
DETAILS

JOB #	
-------	--

SCALE
H: 1"=10'

SHEET
5
of 6

