

PLOT SETTINGS: WE AutoCAD PDF (General Documentation).pc3, WILSON 11X17, Portrait, 1:2, WE APWA_UNSCREENED.ctb
W:\2022\2022-109 FERNDAL DW2 ENV + CIVIL SITE DESIGN SERVICES\DWG\AS-BUILT\AB_V2022-109 CO.1 COVER SHEET.DWG - 12/5/2023 4:36 PM - Jeff Smith

CITY OF FERNDALE

DOUGLAS WELL #2 - ACCESS ROAD PROJECT

RECORD DRAWINGS

NO.	REVISIONS	BY	DATE



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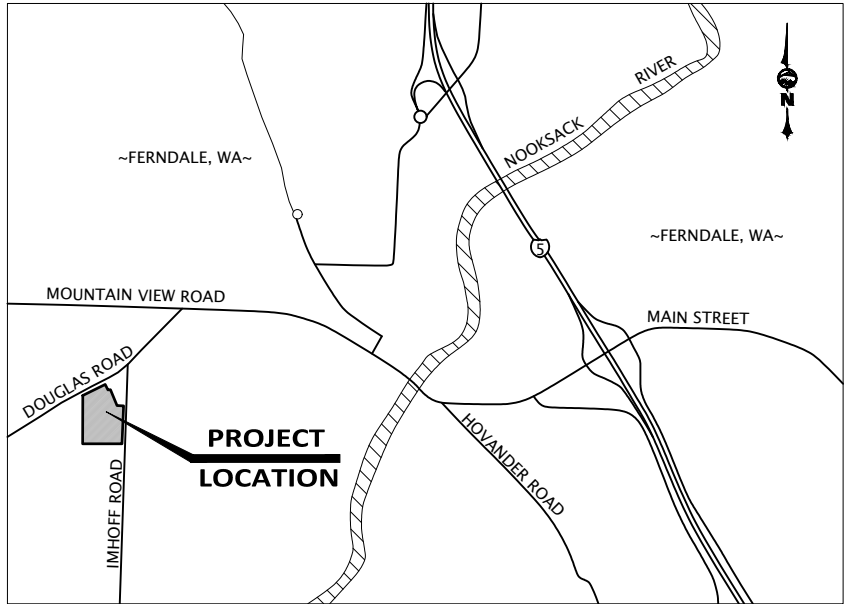
DESIGNED BY	JCC
DRAWN BY	JCS
CHECKED BY	AWL

CITY OF FERNDALE
DOUGLAS WELL #2 - ACCESS ROAD PROJECT
RECORD DRAWINGS
COVER SHEET

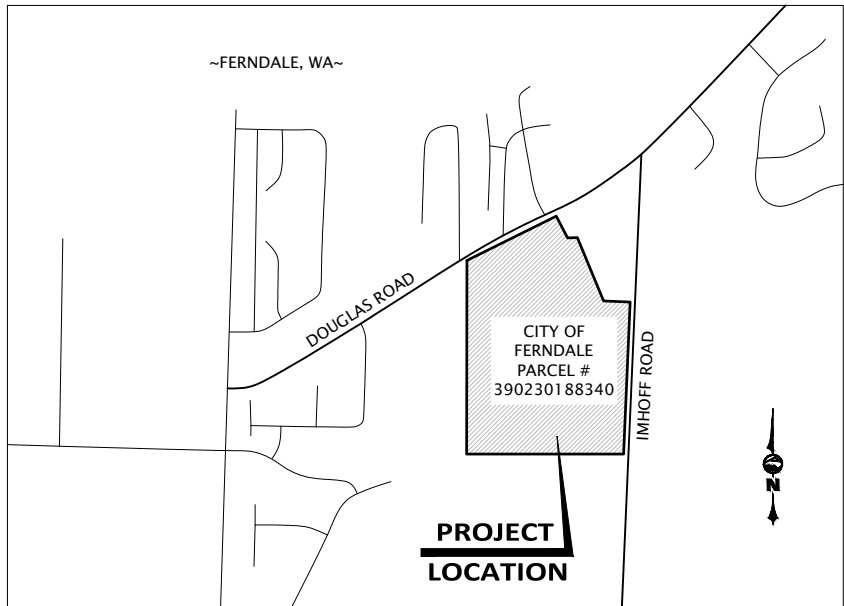
DATE
12-05-23
SCALE
AS SHOWN
JOB NUMBER
2022-109

SHEET
C0.1
PAGE
1 OF 12

AREA MAP - NOT TO SCALE



VICINITY MAP - NOT TO SCALE



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RECORD DRAWING

NOTE: THESE RECORD DRAWINGS HAVE BEEN PREPARED ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE DRAWINGS AS A RESULT.

AS-BUILT/RECORD DRAWING NOTE

CALL-OUTS AND LABELS WITH "AB" ARE BASED ON CONSTRUCTION AND POST-CONSTRUCTION OBSERVATIONS THAT DENOTE AS-BUILT CONDITIONS. NOT ALL RECORD CONDITIONS HAVE BEEN DEPICTED.

All construction inspections and review of as-built conditions were done on behalf of the city by Wilson Engineering. Director Renz has reviewed the inspection information and as-built documents provided and has authorized city stamp and signatures By the Engineering Services Supervisor Larry Honeycutt.

APPROVED
09/09/2024
BY: *[Signature]*
CITY OF FERNDALE
PUBLIC WORKS DEPARTMENT



RECORD DRAWINGS

LEGEND & ABBREVIATIONS- SIZE & SCALE MAY VARY

EXISTING HATCH PATTERNS	DESCRIPTION
	EXIST. CONCRETE
	EXIST. BUILDING
	EXIST. EARTH
	EXIST. GRAVEL
	EXIST. SAND
PROPOSED HATCH PATTERNS	DESCRIPTION
	PROP. CONCRETE
	PROP. TOP COURSE GRAVEL
	PROP. GRAVEL
	PROP. SAND
	PROP. QUARRY SPALLS
	WETLAND HATCH

SURFACE FEATURES
EXISTING PLAN LINETYPES

EXISTING PLAN LINETYPES	DESCRIPTION
	BRIDGE
	BUILDING LINE
	BUILDING COLUMN
	BUILDING OVERHANG
	BULKHEAD
	CONCRETE EDGE
	CREEK EDGE
	CROWN OF ROAD
	CURB
	DITCH CENTERLINE
	DECK
	DOCK
	EDGE OF SAWCUT
	EDGE OF PAVEMENT
	FENCE
	GATE
	GRADE
	GRAVEL
	GUARDRAIL
	JERSEY BARRIER
	LAKE/POND WATER EDGE
	LIP OF CURB
	MISC SURFACE FEATURE
	MISC TRAFFIC
	PLANTER
	PATH
	RAILROAD
	RAMP (WOOD)
	HANDRAIL
	RETAINING WALL
	ROAD STRIPING
	ROCKERY
	RIVERBANK/SHORELINE
	THALWEG LINE
	TOP OF BANK/SLOPE
	TOE OF BANK/SLOPE
	VEGETATION/SHRUB LINE
	WETLAND/SWAMP PERIMETER
	WETLAND BUFFER

SURFACE FEATURES
PROPOSED PLAN LINETYPES

PROPOSED PLAN LINETYPES	DESCRIPTION
	BRIDGE
	BUILDING LINE
	CONCRETE
	CURB
	DITCH CENTERLINE
	EDGE OF BIKE LANE
	EDGE OF PAVEMENT
	FENCE
	GATE
	GRAVEL
	GUARDRAIL
	JERSEY BARRIER
	LIP OF CURB
	REBAR
	RETAINING WALL
	ROCKERY
	ROAD STRIPING
	HANDRAIL
	EDGE OF SAWCUT

UTILITIES EXISTING PLAN LINETYPES	DESCRIPTION
	CABLE TELEVISION (AERIAL)
	CABLE TELEVISION (BURIED)
	SURVEILLANCE CAMERA (BURIED)
	FIBER OPTIC/COMMUNICATIONS LINE (AERIAL)
	FIBER OPTIC/COMMUNICATIONS LINE (BURIED)
	TELEPHONE/COMMUNICATIONS (AERIAL)
	TELEPHONE/COMMUNICATIONS (BURIED)
	TRAFFIC SIGNAL CONDUIT LINE
	POWER (AERIAL)
	POWER (BURIED)
	UTILITY (AERIAL)
	UTILITY (BURIED)
	POWER DUCT BANK (BURIED)
	DRAIN FIELD
	SANITARY SEWER
	APPROXIMATE SANITARY SEWER
	SANITARY SEWER (FORCE MAIN)
	APPROXIMATE SANITARY SEWER (FORCE MAIN)
	STORM DRAINAGE
	APPROXIMATE STORM DRAINAGE
	CULVERT (Ø WIDTH)
	CULVERT
	RECLAIMED WATER
	IRRIGATION
	WATER
	APPROXIMATE WATER
	8" WATER
	OVERFLOW
	STEAM
	GAS
	GAS TANK/STRUCTURE
	OIL
	AIR LINE
	BURIED UTILITY APPROX. EXTENTS
	MISC UTILITY (BURIED)

PROPOSED PLAN UTILITY LINETYPES	DESCRIPTION
	WATER
	8" WATER
	IRRIGATION
	RECLAIMED WATER
	POTABLE WATER
	WATER SERVICE
	WATER STRUCTURE
	FIRE DEPARTMENT CONNECTION
	FIRE PROTECTION LINE
	SANITARY SEWER
	SEWER
	8" SEWER
	FORCE MAIN
	DRAIN FIELD
	SEWER SERVICE
	SEWER STRUCTURE

STORM DRAIN	DESCRIPTION
	STORM DRAIN
	STORM DRAIN
	STORM DRAIN
	STORM SERVICE
	FOOTING DRAIN
	STORM STRUCTURE

MISC. UTILITIES	DESCRIPTION
	GAS
	POWER
	TELEPHONE/COMMUNICATIONS

EROSION CONTROL	DESCRIPTION
	EROSION TRIANGULAR SILT DIKE
	EROSION CONTROL COMPOST BERM
	EROSION CONTROL MINOR CONTOUR
	EROSION CONTROL MAJOR CONTOUR
	ORANGE BARRIER FENCE
	SILT FENCE
	STRAW WATTLE
	EROSION CONTROL FLOWLINE
	STRAW BALE
	INLET PROTECTION
	CHECK DAM



RECORD DRAWINGS

SURVEY PLAN LINETYPES	DESCRIPTION
	CENTERLINE (EXISTING)
	CENTERLINE (CONSTRUCTION)
	CENTERLINE (PROPOSED)
	CONTOUR (EXISTING MINOR)
	CONTOUR (EXISTING INDEX)
	HYDRO CONTOUR (EXISTING INDEX)
	CONTOUR (PROPOSED INDEX)
	CONTOUR (PROPOSED MINOR)
	DONATION LAND CLAIM (EXIST.)
	EASEMENT (PROPOSED)
	EASEMENT (EXISTING)
	MEANDER LINE
	ORDINARY HIGH WATER LINE
	MEAN LOW LEVEL WATER LINE
	OWNERSHIP LINE
	PROPERTY LINE (RECORD OR ADJACENT)
	PROPERTY LINE
	QUARTER SECTION LINE
	RANGE/TOWNSHIP LINE
	RESERVATION/PARK/FOREST (EX)
	RIGHT-OF-WAY (EXISTING)
	RIGHT-OF-WAY (EXISTING USED)
	RIGHT-OF-WAY (PROPOSED)
	RIGHT-OF-WAY (EX. RECORD) (RECORD OR ADJACENT)
	RIGHT-OF-WAY (LIMITED ACCESS)
	RIGHT-OF-WAY (LIMITED ACCESS)
	SECTION LINE
	SETBACK LINE (EXISTING)
	SIXTEENTH SECTION LINE
	STATE/COUNTY/CORPORATE LIMIT
	VACATED RIGHT-OF-WAY
	EASEMENT (RECORD)
	RIGHT-OF-WAY CENTER (RECORD)
	DONATION LAND CLAIM (RECORD)
	MEANDER LINE (RECORD)
	PARK LINE (RECORD)
	SECTION LINE (RECORD)
	QUARTER SECTION LINE (RECORD)
	SIXTEENTH SECTION LINE (RECORD)
	STATE LINE (RECORD)
	RANGE LINE (RECORD)

PROFILE LINETYPES	DESCRIPTION
	PROFILE EX. GRND
	PROFILE FINISH GRND
	PROFILE GRID
	PROFILE VERTICAL GRID
	PROFILE EX. GROUND LEFT
	PROFILE EXISTING GROUND RIGHT
	FIBER OPTIC PROFILE (EXISTING)
	GAS PROFILE (EXISTING)
	POWER PROFILE (EXISTING)
	RAILROAD PROFILE (EXISTING)
	SANITARY PROFILE (EXISTING)
	SANITARY PROFILE (PROPOSED)
	STORM PROFILE (EXISTING)
	TELEPHONE PROFILE (EXISTING)
	STORM PROFILE (PROPOSED)
	TV PROFILE (EXISTING)
	UTILITY PROFILE (EXISTING)
	WATER PROFILE (EXISTING)
	WATER PROFILE (PROPOSED)

DEMOLITION	DESCRIPTION
	SURFACE FEATURE OR UTILITY TO BE REMOVED
	SAWCUT
	CLEARING LIMIT
	TREE OR BUSH TO BE REMOVED

GRADING	DESCRIPTION
	GRADE BREAK
	CATCHLINE
	CUT LINE
	FILL LINE
	SLOPE ARROWS

SECTION/DETAIL CALL-OUTS



SECTION CALL-OUTS: (A) REPRESENTS THE SECTION LABEL, (B) INDICATES THE SHEET ON WHICH THE SECTION APPEARS.



DETAIL CALL-OUTS: (A) REPRESENTS THE DETAIL LABEL, (B) INDICATES THE SHEET ON WHICH THE DETAIL APPEARS.

MISC. SYMBOLS	EXISTING	PROPOSED	DESCRIPTION
			SOIL BORING
			MONITORING WELL
			TEST WELL
			TEST PIT
			EMBANKMENT
			MAIL BOX
			SIGN
			RIP RAP
			BOULDER
			MEANDER LINE
			SHRUB
			TREE (Conifer)*
			TREE (Deciduous)*
			STUMP-PLAN VIEW
			YARD LIGHT
			WELL
			PILE
			ROCKERY
			WHEEL STOP
			SPLASH BLOCK
			GAS METER
			GAS VALVE
			PAD MOUNTED TRANSFORMER
			POWER VAULT
			TRANSMISSION TOWER
			POWER CABINET OR PANEL
			POWER METER
			GUY POLE
			UTILITY POLE
			UTILITY POLE ANCHOR
			TELE RISER
			CABLE RISER
			FIBER OPTIC RISER
			FIBER OPTIC MANHOLE
			TELEPHONE MANHOLE
			STEAM MANHOLE
			PARKING METER
			POST
			PUMP

SANITARY SEWER SYMBOLS	EXISTING	PROPOSED	DESCRIPTION
			SAN. SEWER CLEAN OUT
			SAN. SEWER MANHOLE

STORM DRAIN SYMBOLS	EXISTING	PROPOSED	DESCRIPTION
			STORM DRAIN CB TYPE 1
			STORM DRAIN CB TYPE 2
			STORM DRAIN CB TYPE 2 W/CB LID
			STORM DRAIN WITH OVERFLOW GRATE
			STORM DRAIN CLEAN-OUT
			STORM DOWNSPOUTS

PIPE CALL-OUT	DESCRIPTION
	PIPE CALL-OUTS: (A) REPRESENTS THE PIPE SIZE IN INCHES, (B) INDICATES THE UTILITY TYPE (C) REPRESENTS THE PIPE LENGTH IN LINEAL FEET

SYMBOLS	SPOT ELEVATIONS	DIRECTIONAL ABBREVIATIONS
		N = NORTH
		NE = NORTHEAST
		E = EAST
		SE = SOUTHEAST
		S = SOUTH
		SW = SOUTHWEST
		W = WEST
		NW = NORTHWEST

SECTION SHEET LABELS: (A) REPRESENTS THE SECTION LABEL, (B) INDICATES THE SHEET ON WHICH THE SECTION IS CALLED OUT.

DETAIL SHEET LABELS: (A) REPRESENTS THE DETAIL LABEL, (B) INDICATES THE SHEET(S) ON WHICH THE DETAIL IS CALLED OUT.

NOTE TO USER:
CONTENT SHOWN ON THIS PAGE IS SUBJECT
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THE PLAN SET.

WATER SYMBOLS			ABBREVIATIONS	
EXISTING	PROPOSED	DESCRIPTION	AB	=AS-BUILT (RECORD)
		ARV VALVE	AC	=ASBESTOS CEMENT
		GLOBE VALVE, FL	AL	=ALIGNMENT
		BALL CHECK VALVE, FL	ANC	=UTILITY POLE ANCHOR
		BLOW-OFF VALVE	APPROX	=APPROXIMATE
		SWING CHECK VALVE, FL	ASPH or AC	=ASPHALT
		BUTTERFLY VALVE, FL	ASSY	=ASSEMBLY
		HOSE BIB/SPIGOT	ASTM	=AMERICAN SOCIETY FOR TESTING & MATERIALS
		DOUBLE LEAF CHECK VALVE	BULDG	=BUILDING
		PLUG VALVE	BMP	=BEST MANAGEMENT PRACTICE
		BALL VALVE	BVCS	=BEGIN VERTICAL CURVE STATION
		FLOAT VALVE	BVCE	=BEGIN VERTICAL CURVE ELEVATION
		PINCH VALVE	CB	=CATCH BASIN
		PRESSURE & VACUUM RELIEF VALVE	CK	=CHECK VALVE
		VACUUM RELIEF VALVE	C/L & C	=CENTERLINE
		PRESSURE RELIEF VALVE	CESCL	=CERTIFIED EROSION SEDIMENT CONTROL LEAD
		BACK PRESSURE REGULATING VALVE (SELF CONTAINED)	COL	=COLLUMN
		BACK PRESSURE REGULATING VALVE (SELF CONTAINED)	CMP	=CORRUGATED METAL PIPE
		IN-LINE SPRING LOADED RELIEF VALVE	CMU	=CONCRETE MASONRY UNIT
		CAP/PLUG	C.O. or C.O	=CLEAN OUT
		GUARD POST	CONC, EC	=CONCRETE
		THRUST BLOCK	COR	=CORNER
		WATER METER	CRSI	=CONCRETE REINFORCING STEEL INSTITUTE
		FIRE DEPARTMENT CONNECTION	CPP	=CORRUGATED POLYETHYLENE PIPE
		WATER VALVE	CSBC	=CRUSHED SURFACING BASE COURSE
		FIRE HYDRANT	CSTC	=CRUSHED SURFACING TOP COURSE
		WATER MANHOLE	DOVA	=DOUBLE CHECK VALVE ASSEMBLY
		POST INDICATOR VALVE	DI or DIP	=DUCTILE IRON PIPE
		11-1/4 BEND, MJ-FL	DIAM	=DIAMETER
		22-1/2 BEND, MJ-FL	DO	=DISSOLVED OXYGEN
		45 BEND, MJ-FL	DR	=DIMENSION RATIO
		90 BEND, MJ-FL	DS	=DOWNSPOUT
		FLX MJ ADAPTER	EFFL	=EFFLUENT
		COUPLER	EG	=EXISTING GRADE
		BLIND FLANGE	ELEV, EL	=ELEVATION
		GATE VALVE, FLxMJ	EOG	=EDGE OF GRAVEL
		GATE VALVE, MJ	EOP	=EDGE OF PAVEMENT
		REDUCER, MJxFL	EP	=EXPLORATION PIT
		REDUCER, MJ	EXIST, EX	=EXISTING
		TEE, FL	EVCS	=END VERTICAL CURVE STATION
		TEE, MJ	EVCE	=END VERTICAL CURVE ELEVATION
		TEE, FLxMJ	FIRE	=FIRE DEPARTMENT CONNECTION
		CROSS, MJ	FF	=FINISH FLOOR
		CROSS, MJ	FG	=FINISH GRADE
		CROSS, MJ	FL	=FLOWLINE OR FLANGE (CONNECTION)
		CROSS, MJ	F	=FLOWLINE
		CROSS, MJ	FLC	=FLOWLINE OF CURB
		CROSS, MJ	FM	=FORCEMAIN
		CROSS, MJ	FNC	=FENCE
		CROSS, MJ	FRP	=FIBROGLASS REINFORCED PIPE
		CROSS, MJ	GB	=GRADE BREAK
		CROSS, MJ	GMET	=GAS METER
		CROSS, MJ	GP	=GUY POLE
		CROSS, MJ	GPM	=GALLONS PER MINUTE
		CROSS, MJ	GRVL, G	=GRAVEL
		CROSS, MJ	GV	=GATE VALVE
		CROSS, MJ	HB	=HOSE BIB
		CROSS, MJ	HOG	=HOT-DIP GALVANIZED
		CROSS, MJ	HDPE	=HIGH DENSITY POLYETHYLENE
		CROSS, MJ	HSS	=HOLLOW STRUCTURAL SECTION
		CROSS, MJ	H-V	=HORIZONTAL-VERTICAL
		CROSS, MJ	HWL	=HIGH WATER LEVEL
		CROSS, MJ	HYDR	=HYDRANT
		CROSS, MJ	IBC	=INTERNATIONAL BUILDING CODE
		CROSS, MJ	IE	=INVERT ELEVATION
		CROSS, MJ	INFO	=INFORMATION
		CROSS, MJ	INV	=INVERT
		CROSS, MJ	IPS	=IRON PIPE SIZE
		CROSS, MJ	LF	=LINEAR FEET
		CROSS, MJ	LUM	=LUMINAIRE
		CROSS, MJ	L	=LEFT
		CROSS, MJ	MAX	=MAXIMUM
		CROSS, MJ	MB	=MAIL BOX
		CROSS, MJ	MBR	=MEMBRANE BIO-REACTOR
		CROSS, MJ	MC	=MAINTENANCE CLEANING
		CROSS, MJ	MFR	=MANUFACTURER
		CROSS, MJ	MH	=MANHOLE
		CROSS, MJ	MIN	=MINIMUM
		CROSS, MJ	MISC	=MISCELLANEOUS
		CROSS, MJ	MJ	=MECHANICAL JOINT
		CROSS, MJ	MLSS	=MIXED LIQUOR SUSPENDED SOLIDS
		CROSS, MJ	MW	=MONITORING WELL
		CROSS, MJ	NPDES	=NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
		CROSS, MJ	O.C.	=ON CENTER
		CROSS, MJ	O.C.E.W	=ON CENTER EACH WAY
		CROSS, MJ	OD	=OUTSIDE DIAMETER
		CROSS, MJ	OHP	=OVERHEAD POWER
		CROSS, MJ	OHT	=OVERHEAD TELEPHONE
		CROSS, MJ	OSHA	=OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
		CROSS, MJ	PLC	=PROGRAMMABLE LOGIC CONTROLLER
		CROSS, MJ	P	=PLANTER
		CROSS, MJ	POL	=POINT ON LINE
		CROSS, MJ	PROP	=PROPOSED
		CROSS, MJ	PS	=PUMP STATION
		CROSS, MJ	PSI	=POUNDS PER SQUARE INCH
		CROSS, MJ	PT	=POINT OF TANGENCY
		CROSS, MJ	PVC	=POLYVINYL CHLORIDE
		CROSS, MJ	PVI	=POINT OF VERTICAL INTERSECTION
		CROSS, MJ	PW	=POTABLE WATER
		CROSS, MJ	R	=RADIUS
		CROSS, MJ	RCK	=ROCK/BOULDER
		CROSS, MJ	RET	=RETAINING
		CROSS, MJ	REC	=RECORD
		CROSS, MJ	REINF	=REINFORCEMENT
		CROSS, MJ	REQ'D	=REQUIRED
		CROSS, MJ	RI	=RAPID INFILTRATION
		CROSS, MJ	RPBA	=REDUCED PRESSURE BACKFLOW ASSEMBLY
		CROSS, MJ	RR	=RAILROAD
		CROSS, MJ	RT	=RIGHT
		CROSS, MJ	R/W or ROW	=RIGHT-OF-WAY
		CROSS, MJ	RW	=REUSE WATER
		CROSS, MJ	S	=SUPERVISORY CONTROL AND DATA ACQUISITION
		CROSS, MJ	SCH	=SCHEDULE
		CROSS, MJ	SDCB	=STORM DRAIN CATCH BASIN
		CROSS, MJ	SD	=STORM DRAIN
		CROSS, MJ	SDMH	=STORM DRAIN MANHOLE
		CROSS, MJ	SFH	=SINGLE FAMILY HOUSING
		CROSS, MJ	SN	=SIGN
		CROSS, MJ	SPD	=STANDARD PROCTOR DENSITY
		CROSS, MJ	SPK	=SPRINKLER
		CROSS, MJ	SS	=SANITARY SEWER
		CROSS, MJ	SSCO	=SANITARY SEWER CLEAN-OUT
		CROSS, MJ	SSMH	=SANITARY SEWER MANHOLE
		CROSS, MJ	ST	=STAINLESS STEEL
		CROSS, MJ	STA	=STATION
		CROSS, MJ	STEP	=SEPTIC TANK EFFLUENT PUMP
		CROSS, MJ	S/W	=SIDEWALK
		CROSS, MJ	SYMM	=SYMMETRY/SYMMETRICAL
		CROSS, MJ	TBC	=TOP BACK OF CURB
		CROSS, MJ	TBD	=TO BE DETERMINED

NOTE TO USER:
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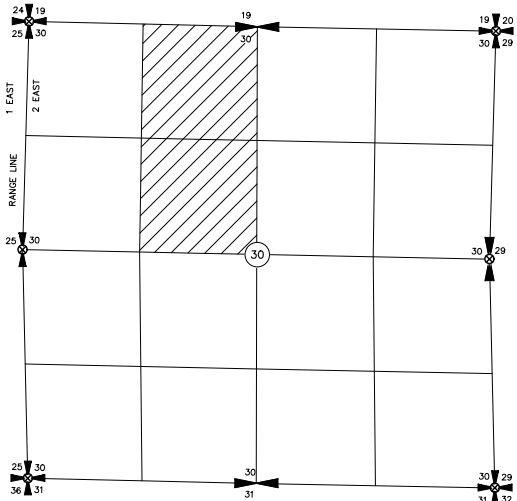
0 REPRESENTS THE PIPE SIZE IN INCHES,
UTILITY TYPE (C) REPRESENTS THE PIPE
FEET

DIRECTIONAL ABBREVIATIONS

N	=NORTH
NE	=NORTHEAST
E	=EAST
SE	=SOUTHEAST
S	=SOUTH
SW	=SOUTHWEST

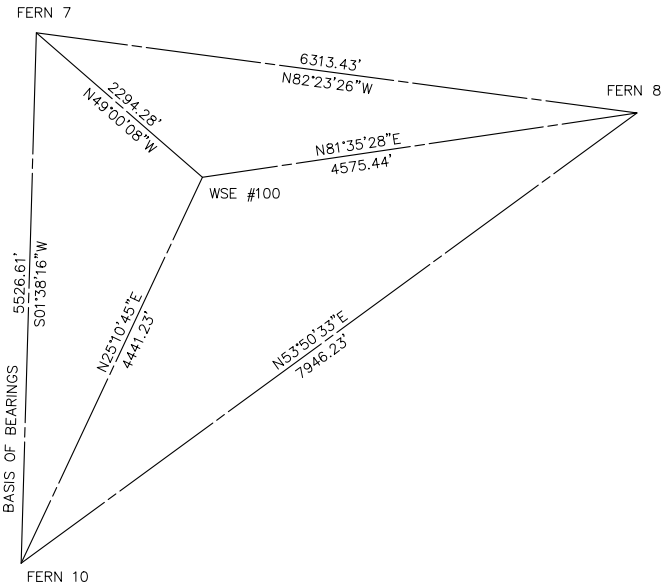
CITY OF FERNDALE
DOUGLAS WELL #2
W.A.C. 332-130 COMPLIANCE SHEET

SECTIONAL INDEX DATA



EAST HALF OF NW QTR, SEC. 30, TWP 39 NORTH, RGE 2 EAST, W.M.

NAD 83/91 SURVEY CONTROL DIAGRAM N.T.S.



NOTICE TO USER

EFFECTIVE JANUARY 13, 2019, ALL TOPOGRAPHIC MAPS PREPARED BY A LICENSED SURVEYOR IN THE STATE OF WASHINGTON, AND SUBJECT TO THE LICENSURE AND PRACTICE REQUIREMENTS ESTABLISHED BY THE WASHINGTON STATE BOARD OF REGISTRATION FOR ENGINEERS AND LAND SURVEYORS, MUST INCLUDE THE DESCRIPTIVE NOTES AND METADATA ENUMERATED UNDER W.A.C 332-130-145 AND ITS APPURTENANT SECTIONS OF 332-130. THIS EXHIBIT IS INTENDED TO ADDRESS THE STATUTORY REQUIREMENTS STIPULATED BY THIS W.A.C DIRECTIVE.

W.A.C. 332-130-145 REQUIRED DATA

THIS SURVEY WAS PREPARED UNDER THE DIRECT SUPERVISION OF:

PAUL J. DARROW, WA PLS #50697
SR. PROJECT SURVEYOR
WILSON ENGINEERING LLC
805 DUPONT STREET, SUITE 7
BELLINGHAM, WA 98225
360-733-6100 (EXT. 243)
pdarrow@wilsonengineering.com

- BASIS OF ELEVATIONS: ELEVATION VALUES AND CONTOURS DEPICTED ON THIS SURVEY ARE BASED UPON HOLDING AS FIXED THE CITY OF FERNDALE NGVD BENCHMARK MONUMENT FERN 15, HAVING AN ELEVATION OF 89.31'.
- PURPOSE OF SURVEY: WILSON ENGINEERING PERFORMED THIS SURVEY DURING DECEMBER 2022, AT THE REQUEST OF THE CITY OF FERNDALE PURSUANT TO WELL DESIGN.
- SOURCE OF CONTOURS: ONE-FOOT CONTOURS DEPICTED ON THIS SURVEY ARE BASED ON DIRECT FIELD OBSERVATIONS USING A TRIMBLE 5-7 ROBOTIC TOTAL STATION.
- ELEVATIONS WERE ESTABLISHED ON SITE USING REDUNDANT GPS TIES TO THE FERNDALE CONTROL NETWORK. SITE BENCHMARK IS WSE#100, SHOWN HEREON. ELEVATION=53.00'.
- ELEVATION AND/OR CONTOUR ACCURACY: CONTOURS DEPICTED ON THE FACE OF THIS SURVEY, IF OBSERVED RELATIVE TO THE CONTROL POINTS SPECIFICALLY ENUMERATED IN THE ACCOMPANYING CONTROL TABLE, WILL BE, IN FACT, WITHIN ONE-HALF OF THE MINOR-CONTOUR INTERVAL DEPICTED HEREON. SPECIFIC ELEVATIONS DEPICTED HEREON, IF ANY, ARE EXPECTED TO BE WITHIN ONE INTEGRAL VALUE OF THE FINAL DEPICTED SIGNIFICANT FIGURE. FURTHERMORE, 90% OF ELEVATIONS EXPRESSED TO THE TENTH-FOOT, SHOULD BE WITHIN 0.1 FEET OF THAT VALUE, IF OBSERVED RELATIVE TO THE SURVEY CONTROL SPECIFICALLY ENUMERATED IN THE ACCOMPANYING CONTROL TABLE. IF OFF-SITE CONTROL IS EMPLOYED, EVEN CONTROL PURPORTING TO BE ON THE SAME DATUM OR BASED ON THE SAME OFF-SITE BENCHMARK, THEN NO ABSOLUTE STATEMENT REGARDING THE ACCURACY OF THE DEPICTED POINTS CAN BE MADE, AND VALUES SO OBSERVED ARE OUTSIDE OF THIS SURVEY'S AUTHORITY OR INTEREST.
- STATEMENT OF USE: AS NOTED IN SECTION 2.B, THIS SURVEY WAS PREPARED FOR THE SPECIFIC PURPOSE OF WELL DESIGN. IN THE COURSE OF PREPARING THIS SURVEY, PURSUANT TO THIS PURPOSE, ANCILLARY DATA NECESSARY TO ACCOMPLISH THIS SURVEY'S INTENDED PURPOSE MAY HAVE BEEN CAPTURED. IN THE CASE OF THIS SURVEY PARCEL BOUNDARIES ARE DEPICTED, BUT THE DEPICTION OF SAME SHOULD NOT BE CONSIDERED AUTHORITATIVE AND THIS TOPOGRAPHIC SURVEY DOES NOT CONSTITUTE A RECORD OF SURVEY.
- SOURCE OF CONTROLLING BOUNDARY INFORMATION: THE OWNERSHIP BOUNDARIES DEPICTED ON THIS SURVEY ARE BASED UPON THE DOCUMENTS ENUMERATED IN THE ACCOMPANYING "REFERENCE DOCUMENTS". BEARINGS HAVE BEEN ROTATED FROM THE RECORD VALUES IF NECESSARY TO COHERE TO THE CITY OF FERNDALE CONTROL NETWORK.
- SOURCE OF DEPICTED UTILITY INFORMATION: UTILITY LINES DEPICTED ON THIS SURVEY ARE BASED UPON PAINT MARKS SET BY APPLIED PROFESSIONAL SERVICES. THE FOLLOWING UTILITY PROVIDERS ARE IDENTIFIED AS HAVING FACILITIES IN THE AREA: CASCADE NATURAL GAS, CITY OF FERNDALE, COMCAST, CENTURYLINK, ZIPLY FIBER, AND PUGET SOUND ENERGY.
- ACCURACY OF DEPICTED UTILITY INFORMATION: WILSON ENGINEERING DOES NOT PROVIDE FOR-HIRE UTILITY LOCATION AND/OR MARKING SERVICES, AND CAN NOT INDEPENDENTLY ASCERTAIN THE ACCURACY OF ANY DEPICTED UTILITY THAT WAS NOT DIRECTLY OBSERVED IN THE COURSE OF THIS SURVEY.
- STATEMENT OF LIMITATIONS REGARDING UTILITY-DEPICTION ACCURACY: USER HAS BEEN NOTIFIED THAT WILSON CAN NOT, AND DOES NOT, GUARANTEE THE ACCURACY, AT ANY LEVEL, OF DEPICTED UTILITIES BASED ON THIRD-PARTY PAINT MARKS OR RECORD INFORMATION.

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT I AM A LICENSED LAND SURVEYOR IN THE STATE OF WASHINGTON, THAT THIS MAP IS BASED ON AN ACTUAL FIELD SURVEY DONE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT ALL DATA SHOWN HEREON ACTUALLY EXISTS IN THE LOCATIONS SHOWN AT THE TIME OF THIS SURVEY. THIS EXISTING CONDITIONS MAP WAS DONE AT THE REQUEST OF CITY OF FERNDALE IN 2022.

ON-SITE SURVEY CONTROL TABLE

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	677954.41	1212763.03	53.00	1/2" REBAR & RED PLASTIC CAP
101	677768.06	1212475.16	50.93	MAG NAIL
103	677873.61	1212833.21	42.92	HUB & MAG NAIL
104	677688.52	1212885.55	32.54	HUB & MAG NAIL
105	677650.24	1212451.65	45.33	HUB & MAG NAIL
FERN 7	679459.13	1211031.14	147.15	BRASS MONUMENT
FERN 8	678623.10	1217288.97	29.16	BRASS MONUMENT
FERN 10	673934.78	1210873.19	8.30	

CONTROL NOTES

HORIZONTAL DATUM:
NAD83/91

BASIS OF COORDINATES: COORDINATION AND MENSURATION ARE LOCAL GROUND VALUES, BASED UPON HOLDING THE PUBLISHED POSITION FOR THE CITY OF FERNDALE MONUMENT FERN 7, SAID MONUMENT HAS THE FOLLOWING PUBLISHED POSITION:

NORTHING = 679,459.13 USFT
EASTING = 1,211,031.14 USFT

BASIS OF BEARINGS: BEARINGS ARE BASED UPON HOLDING THE PUBLISHED POSITIONS OF CITY OF FERNDALE MONUMENTS #7AND #10 PER THE DATA SHEETS THEREOF. THE DERIVED INVERSE BETWEEN SAID MONUMENTS # 7 AND # 10 IS **SOUTH 01° 38' 16" WEST**, AT A DISTANCE OF **5,526.61 USFT**. THE PUBLISHED POSITION FOR THE MONUMENT # 10 IS:

NORTHING = 673,934.78 USFT
EASTING = 1,210,973.19 USFT

VERTICAL DATUM:
NGVD29 CITY OF FERNDALE

LEGAL DESCRIPTION PER AFN 1415935

ALL THAT PORTION OF THE EAST 1/2 OF THE NORTHWEST 1/4 OF SECTION 30, TOWNSHIP 39 NORTH, RANGE 2 EAST, W.M., LYING SOUTHERLY OF DOUGLAS ROAD (OLD MOUNTAIN VIEW ROAD) AND EASTERLY OF THE FOLLOWING DESCRIBED LINE. BEGINNING AT THE NORTHWEST CORNER OF SAID SECTION 30; THENCE EAST ON THE SECTION LINE BETWEEN SECTIONS 19 AND 30, A DISTANCE OF 1,402.50 FEET; THENCE SOUTH TO A POINT ON THE SOUTH LINE OF THE NORTHWEST 1/4 OF SAID SECTION 30 AND THE END POINT OF THIS LINE DESCRIPTION; EXCEPT THAT PORTION LYING NORTHERLY AND EASTERLY OF THE FOLLOWING DESCRIBED LINE; COMMENCING AT THE SOUTHEAST CORNER OF SAID NORTHWEST 1/4 OF SECTION 30; THENCE NORTH 1° 53' 00" EAST ALONG THE NORTH-SOUTH CENTERLINE OF SAID SECTION 986.39 FEET; THENCE NORTH 88° 07' 00" WEST 121.85 FEET; THENCE NORTH 31°31'49" WEST 320.94 FEET; THENCE NORTH 88° 07' 00" WEST 36.08 FEET; THENCE NORTH 20° 02' 00" WEST 202.36 FEET MORE OR LESS TO THE SOUTH LINE OF SAID DOUGLAS ROAD AND THE END POINT OF SAID LINE DESCRIPTION. ALSO EXCEPT COUNTY ROAD.

RECORD DOCUMENTS

- RECORD OF SURVEY #745 AFN 1362993
- FERNDALE MOBILE VILLAGE GENERAL & SPECIFIC BINDING SITE PLAN AFN 920210202
- FERNDALE MOBILE VILLAGE SPECIFIC BINDING SITE PLAN NO. 2 AFN 951221094
- RECORD OF SURVEY #1041 AFN 1415935
- PIONEER MEADOWS SHORT PLAT AFN 2110800488
- LAMPLIGHTER MOBILE COURT GENERAL BINDING SITE PLAN AFN 2016-0800800



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CITY OF FERNDALE

DOUGLAS WELL #2 - ACCESS ROAD PROJECT
RECORD DRAWINGS
W.A.C. 332-130 COMPLIANCE SHEET

DATE
12-05-23

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JOB NUMBER
2022-109

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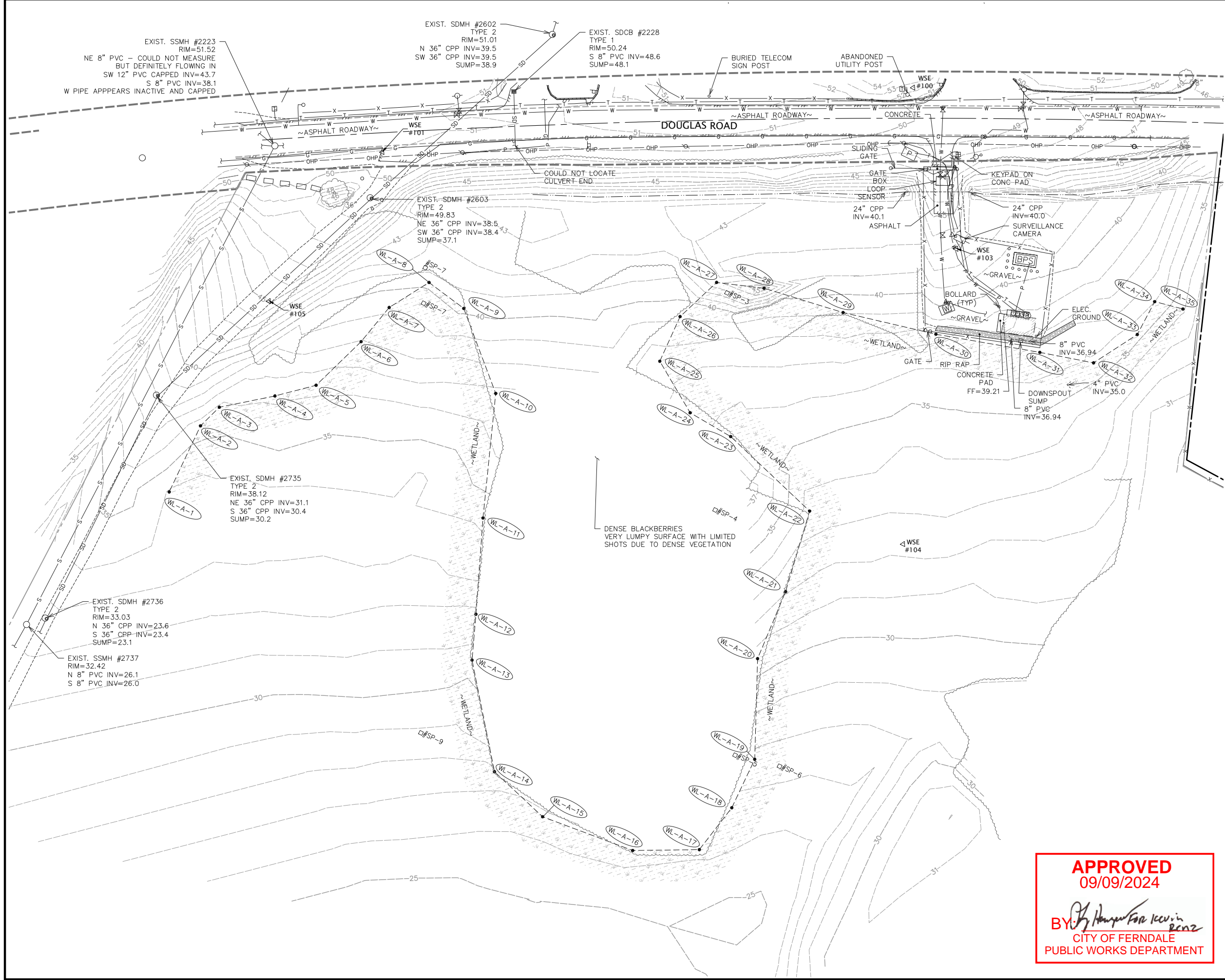
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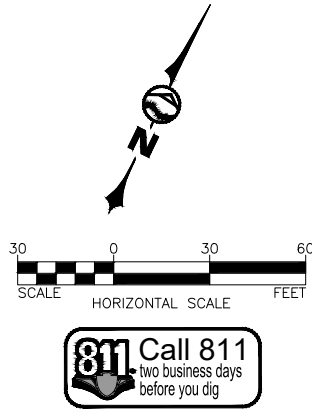
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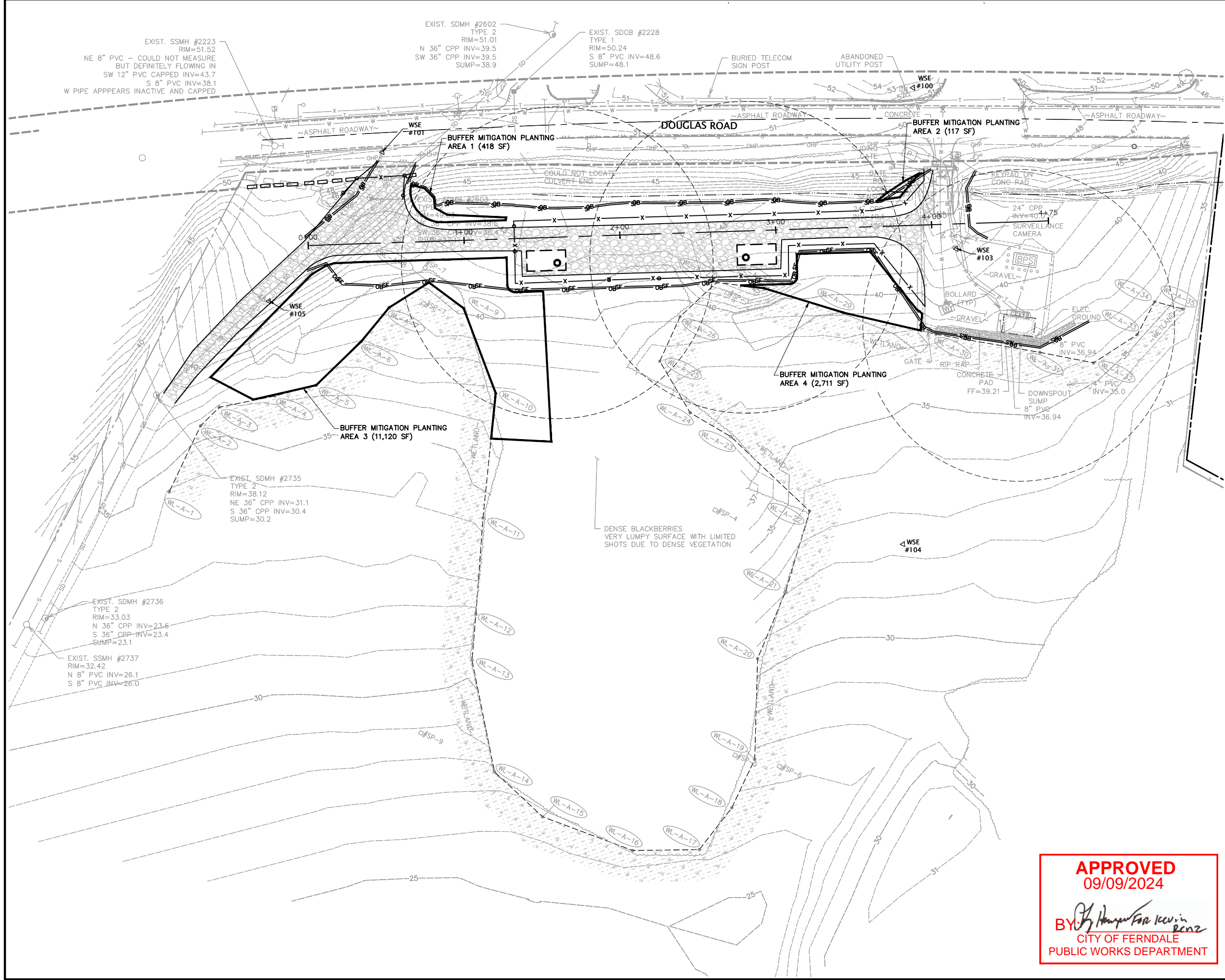
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CITY OF FERDALE	WASHINGTON
DOUGLAS WELL #2 - ACCESS ROAD PROJECT RECORD DRAWINGS EXISTING CONDITIONS	
DATE 12-05-23	SCALE AS SHOWN
SHEET C1.1	PAGE 4 OF 12
JOB NUMBER 2022-109	PID



NO.	REVISIONS	BY	DATE

LEGEND

— SF — = BMP C233: SILT FENCE
 PER 

— SW — = BMP C235: STRAW WADDLE
 PER 

— OB — = ORANGE BARRIER FENCING
 PER 








SCALE HORIZONTAL SCALE FEET



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RECORD DRAWINGS

SHEET C2.1	DATE 12-05-23	CITY OF FERNDALE DOUGLAS WELL #2 – ACCESS ROAD PROJECT RECORD DRAWINGS T.E.S.C. PLAN	DESIGNED BY			
	SCALE AS SHOWN		DRAWN BY MFM			
PAGE 5 OF 12	JOB NUMBER 2022-109	WASHINGTON	JCS	CHECKED BY	AWL	WILSONENGINEERING.COM

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NARRATIVE

EROSION AND SEDIMENT CONTROL BMPs: ANTICIPATED BMPs THAT WILL BE UTILIZED INCLUDE: MINIMIZING VEGETATION REMOVAL, TEMPORARY COVER MEASURES, PERMANENT SEEDING & PLANTING, SURFACE ROUGHING, STRAW WATTLE AND FILTER FABRIC FENCING. OTHER BMPs MAY BE UTILIZED TO MINIMIZE EROSION AND SEDIMENT TRANSPORT AS CONSTRUCTION SCHEDULES AND WEATHER CONDITIONS DICTATE.

PERMANENT STABILIZATION: ALL DISTURBED AREAS OUTSIDE OF ROADWAY SHOULDERS AND PARKING AREAS WILL BE PERMANENTLY LANDSCAPED OR SEEDED AND RESTORED TO THEIR EXISTING CONDITIONS. CHANNEL LINING (PERMANENT OR BIODEGRADABLE) WILL BE INSTALLED IN ALL CONSTRUCTED SWALES AND DITCHES.

PROJECT WIDE BMPs

THE FOLLOWING BMPs SHALL BE IMPLEMENTED FOR THE ENTIRE PROJECT TO THE MAXIMUM EXTENT POSSIBLE:

BMP C101 PRESERVING NATURAL VEGETATION. CONTRACTOR SHALL CLEAR AND DISTURB ONLY AREAS REQUIRED TO CONSTRUCT IMPROVEMENTS AND SHALL DILIGENTLY MINIMIZE DISTURBED AREA.

BMP C102 BUFFER ZONES. CONTRACTOR SHALL MARK CLEARING LIMITS AND KEEP ALL EQUIPMENT AND CONSTRUCTION DEBRIS OUT OF NATURAL AREAS.

BMP C120 PERMANENT SEEDING & PLANTING. CONTRACTOR SHALL COMPLETE REQUIRED LANDSCAPING AS RAPIDLY AS POSSIBLE. ALL OTHER DISTURBED AREAS OUTSIDE OF PAVED AREAS SHALL BE HYDROSEEDING AS RAPIDLY AS POSSIBLE WITH SUITABLE SEED-MULCH-FERTILIZER MIX FOR LOCAL CLIMATE. SEED AND FERTILIZER TO MEET WSDOT STANDARD SPECIFICATIONS SECTIONS 9.14.2, & 9-14.3 RESPECTIVELY. SUBMIT ACTUAL SEED MIX TO ENGINEER FOR FINAL APPROVAL PRIOR TO INSTALLATION.

BMP C121 MULCHING . CONTRACTOR SHALL MULCH ALL LANDSCAPED AREAS AS RAPIDLY AS POSSIBLE. MULCH TO MEET WSDOT STANDARD SPECIFICATION 9-14.4. INCLUDE TACKIFIER IN SEED-MULCH-FERTILIZER MIX. TACKIFIER TO MEET WSDOT STANDARD SPECIFICATION 9-14.4(7).

BMP C130 SURFACE ROUGHENING. CONTRACTOR SHALL ROUGHEN DISTURBED AREAS PRIOR TO PERMANENT SEEDING AND PLANTING.

BMP C140 DUST CONTROL. CONTRACTOR SHALL KEEP DUST FROM CONSTRUCTION ACTIVITIES AND EXPOSED SOILS TO A MINIMUM. HELPFUL REFERENCES INCLUDE: CONTROL OF OPEN FUGITIVE DUST SOURCES (EPA-450/3-88-088) AND FUGITIVE DUST BACKGROUND DOCUMENT & TECHNICAL INFORMATION DOCUMENT FOR BEST AVAILABLE CONTROL MEASURES (EPA-450/2-92-004).

GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE TO DESIGN, IMPLEMENT, AND MAINTAIN THE EROSION AND SEDIMENT CONTROL PLAN (ESCP) BMP'S.
2. THE CONTRACTOR IS RESPONSIBLE TO EMPLOY A CERTIFIED EROSION & SEDIMENT CONTROL LEAD (CESCL) THAT IS ON-SITE AND RESPONSIBLE FOR ENSURING ALL CONSTRUCTION ACTIVITIES ARE IN COMPLIANCE WITH THE ESCP.
3. THIS TESC IS AN OUTLINE FOR THE CONTRACTOR TO USE AND IS NO WAY A FIXED PLAN. THIS IS A WORKING PLAN TO BE MODIFIED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER AS THE CONTRACTOR'S CERTIFIED EROSION & SEDIMENT CONTROL LEAD (CESCL) DETERMINES NECESSARY. THIS IS REQUIRED SO THE CONTRACTOR IS ABLE TO ADAPT TO PROJECT SCHEDULING AND SITE CHANGES AS CONSTRUCTION PROGRESSES.
4. BMPs: BEST MANAGEMENT PRACTICES (BMPs) REFERRED TO ON THIS PLAN AND IN THESE NOTES SHALL BE CONSTRUCTED AND MAINTAINED AS DESCRIBED IN DEPARTMENT OF ECOLOGY'S STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON, CHAPTER II, "STANDARDS AND SPECIFICATIONS FOR BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL" MOST CURRENT EDITION.
5. EXTENT: THE EXTENT OF EROSION AND SEDIMENTATION CONTROL MEASURES IS DEPENDENT ON WEATHER CONDITIONS, SITE SLOPES, LENGTH OF TIME GROUND IS LEFT EXPOSED, AND THE AREA OF EXPOSED GROUND. THE CONTRACTOR SHALL AT ALL TIMES MINIMIZE THE RISK OF SITE EROSION BY CAREFUL SCHEDULING AND BY IMPLEMENTING AND MAINTAINING BMPs UNTIL THE SITE IS PERMANENTLY STABILIZED.
6. VEGETATION: EXISTING VEGETATION SHALL BE PRESERVED WHERE ATTAINABLE.
7. SLOPES: CUT AND FILL SLOPES SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. SLOPES SHALL BE STABILIZED AS SOON AS POSSIBLE.
8. OUTLETS: STABILIZATION ADEQUATE TO PREVENT EROSION OF OUTLETS AND ADJACENT STREAM BANKS SHALL BE PROVIDED AT THE OUTLETS OF ALL CONVEYANCE SYSTEMS.
9. SITE RUNOFF: PRIOR TO FLOWING OFF THE SITE, STORMWATER RUNOFF SHALL PASS THROUGH A SILT FENCE OR EQUAL BMP.
10. ADJACENT PROPERTIES: PROPERTIES ADJACENT TO THE PROJECT SHALL BE PROTECTED FROM SEDIMENT DEPOSITION.
11. DOWNSTREAM WATERWAYS & PROPERTY: PROPERTIES AND WATERWAYS DOWNSTREAM FROM THE CONSTRUCTION SITE SHALL BE PROTECTED FROM EROSION DUE TO ANY TEMPORARY CHANGES IN VOLUME, VELOCITY, AND PEAK FLOW OF STORMWATER RUNOFF FROM THE PROJECT SITE.
12. REMOVAL OF BMPs: ALL TEMPORARY EROSION AND SEDIMENT CONTROL BMPs SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMPs ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON-SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED. THE CERTIFIED EROSION SEDIMENT CONTROL LEAD, THE ENGINEER & OWNER'S ON SITE REPRESENTATIVE WILL BE RESPONSIBLE FOR THESE DECISIONS.
13. INSPECTIONS: ALL BMPs SHALL BE INSPECTED, MAINTAINED, AND REPAIRED BY THE CONTRACTOR AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. ALL ON-SITE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED REGULARLY AS NEEDED (AT LEAST ONCE EVERY SEVEN DAYS) AND DURING/WITHIN 24 HOURS AFTER ANY STORM EVENT OF GREATER THAN 0.5-INCHES OF RAIN PER 24-HOUR PERIOD.
14. REPORTS: THE CONTRACTOR CESCL, SHALL PREPARE AND MAINTAIN REPORTS SUMMARIZING THE SCOPE OF INSPECTIONS. THE PERSONNEL CONDUCTING THE INSPECTION, THE DATES OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO IMPLEMENTATION OF THE STORMWATER POLLUTION PREVENTION PLAN AND ACTIONS TAKEN AS A RESULT OF THESE INSPECTIONS.
15. OTHER REQUIREMENTS: THE ENGINEER OR CITY MAY REQUIRE BMPs IN ADDITION TO WHAT IS SHOWN ON THIS PLAN IF NECESSARY TO PREVENT VIOLATIONS OF SURFACE WATER QUALITY. THE CONTRACTOR SHALL IMPLEMENT THE BMPs AS REQUIRED.

CONSTRUCTION STORMWATER POLLUTION PREVENTION ELEMENTS.

1. MARK CLEARING LIMITS. PRIOR TO BEGINNING LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING & GRADING, ALL CLEARING LIMITS, SENSITIVE AREAS AND THEIR BUFFERS, AND TREES THAT ARE TO BE PRESERVED WITHIN THE CONSTRUCTION AREA SHOULD BE CLEARLY MARKED TO PREVENT DAMAGE AND OFF-SITE IMPACTS. RETAIN THE DUFF LAYER, NATIVE TOP SOIL, AND NATURAL VEGETATION IN AN UNDISTURBED STATE TO THE MAXIMUM DEGREE PRACTICABLE.
2. ESTABLISH CONSTRUCTION ACCESS. IN PLACE OF A CONSTRUCTED CONSTRUCTION ENTRANCE, CONTRACTOR SHALL PROVIDE ADEQUATE PROVISIONS TO ENSURE THAT NO SEDIMENT IS TRACKED OFF THE CONSTRUCTION SITE. IN THE EVENT THAT SEDIMENT TRACKING OCCURS, CONTRACTOR SHALL REMOVE ALL TRACKED SEDIMENT IMMEDIATELY.
3. CONTROL FLOW RATES. PROPERTIES AND WATERWAYS DOWNSTREAM FROM THE DEVELOPMENT SITE SHALL BE PROTECTED FROM EROSION DUE TO INCREASES IN THE VOLUME, VELOCITY, AND PEAK FLOW RATE OF STORMWATER RUNOFF FROM THE PROJECT SITE.
4. INSTALL SEDIMENT CONTROLS. EXISTING AND PROPOSED GRADE SLOPES VARY FROM STEEP TO GRADUAL. RUNOFF NOT INFILTRATING SHOULD NOT HAVE SUFFICIENT VELOCITY TO POSE AN EROSION PROBLEM DUE TO FLAT SURFACES AND SURFACE ROUGHENING (BMP C130) ON DOWNSTREAM GRADUAL SLOPES. SILT FENCES (BMP C233) WILL BE USED TO TRAP SEDIMENT BEFORE LEAVING THE SITE.
5. STABILIZE SOILS. FROM OCTOBER 1 THROUGH APRIL 30, NO SOILS SHALL REMAIN EXPOSED AND UNWORKED FOR MORE THAN 2 DAYS. FROM MAY 1 TO SEPTEMBER 30, NO SOILS SHALL REMAIN EXPOSED AND UNWORKED FOR MORE THAN 7 DAYS. THIS STABILIZATION REQUIREMENT APPLIES TO ALL SOILS ON SITE, WHETHER AT FINAL GRADE OR NOT. SOILS SHALL BE STABILIZED AT THE END OF THE SHIFT BEFORE A HOLIDAY OR WEEKEND IF NEEDED BASED ON THE WEATHER FORECAST. STABILIZATION METHODS INCLUDE: TEMPORARY OR PERMANENT SEEDING (BMP C120), MULCHING (BMP C121), AND SURFACE ROUGHENING (BMP C130).
6. PROTECT SLOPES. SURFACE ROUGHENING (BMP C130), AND STABILIZATION OF SOILS SHOULD PROVIDE ADEQUATE PROTECTION DURING DRY AND MODERATELY WET WEATHER. PLASTIC COVERING (BMP C123) SHOULD BE ON-SITE FOR EMERGENCY PROTECTION OF EXPOSED SLOPE SURFACES DURING HEAVY RAINFALL.
7. PROTECT DRAIN INLETS. N/A
8. STABILIZE CHANNELS AND OUTLETS. DUE TO SURFACE ROUGHENING, CONCENTRATED FLOWS ARE MINIMIZED, AND SEDIMENT WILL BE TRAPPED IN SILT FENCING.
9. CONTROL POLLUTANTS. DESIGN, INSTALL, IMPLEMENT, AND MAINTAIN EFFECTIVE POLLUTION PREVENTION MEASURES TO MINIMIZE THE DISCHARGE OF POLLUTANTS.
10. CONTROL DEWATERING. TRENCH AND EXCAVATION DEWATERING SHALL BE DISCHARGED AS SHOWN ON THE PLANS TO ACHIEVE VEGETATIVE FILTRATION AND SHALL NOT ENTER STORM DRAIN SYSTEMS.
11. MAINTAIN BMPs. TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL BMPs SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. SEDIMENT CONTROL BMPs SHALL BE INSPECTED WEEKLY OR AFTER A RUNOFF PRODUCING STORM EVENT DURING THE DRY SEASON AND DAILY DURING THE WET SEASON. TEMPORARY EROSION AND SEDIMENT CONTROL BMPs SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMPs ARE NO LONGER NEEDED. FINAL SITE STABILIZATION DETERMINED BY THE CERTIFIED EROSION SEDIMENT CONTROL LEAD (CESCL) AND THE OWNER'S REPRESENTATIVE.
12. MANAGE THE PROJECT. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING AND MAINTAINING THESE AND SUCH ADDITIONAL BMPs, AS MAY BE REQUIRED TO PREVENT EROSION, CONTROL SEDIMENT, AND PREVENT WATER POLLUTION.
13. PROTECT LOW IMPACT BMPs. N/A

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09/09/2024
BY: *Kevin Benz*
CITY OF FERDALE
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DESIGNED BY: MFM
DRAWN BY: JGS
CHECKED BY: AWL

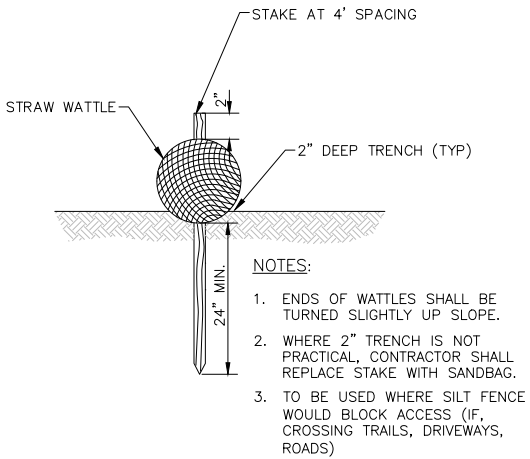
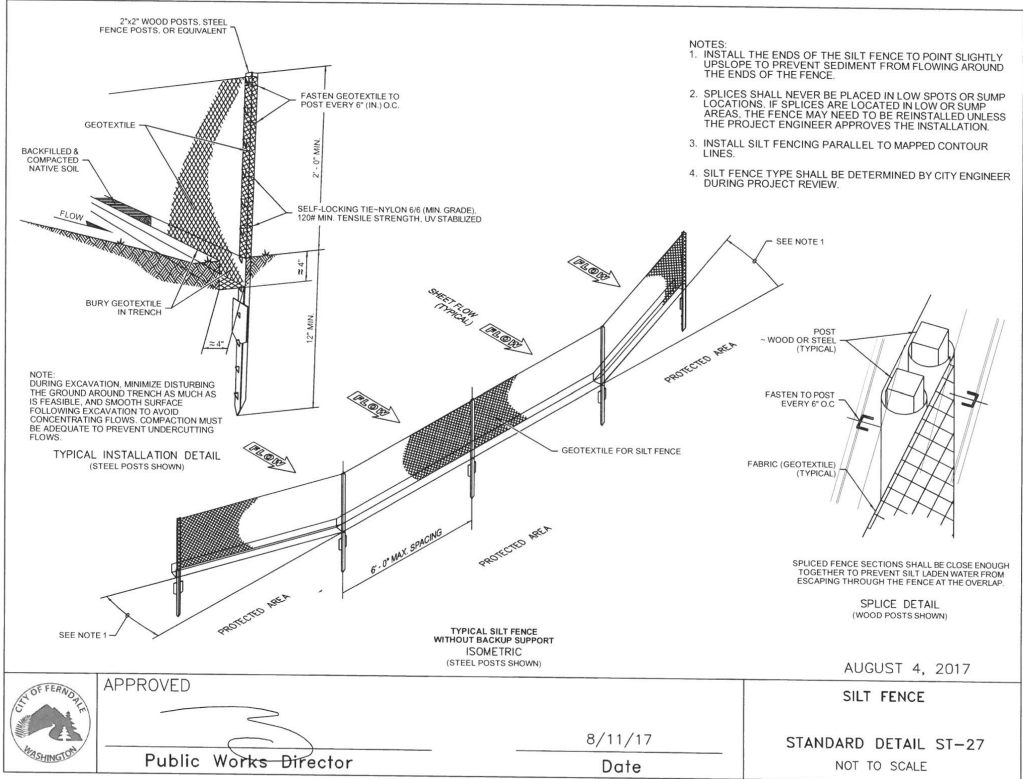
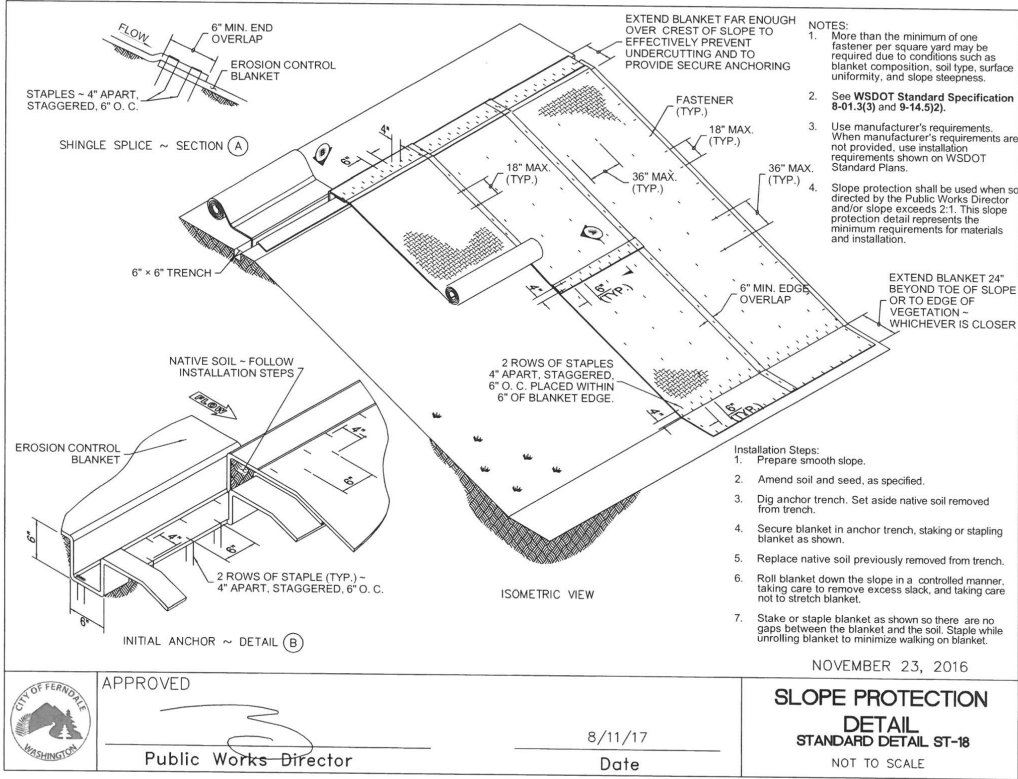
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DOUGLAS WELL #2 - ACCESS ROAD PROJECT
RECORD DRAWINGS
T.E.S.C. NOTES

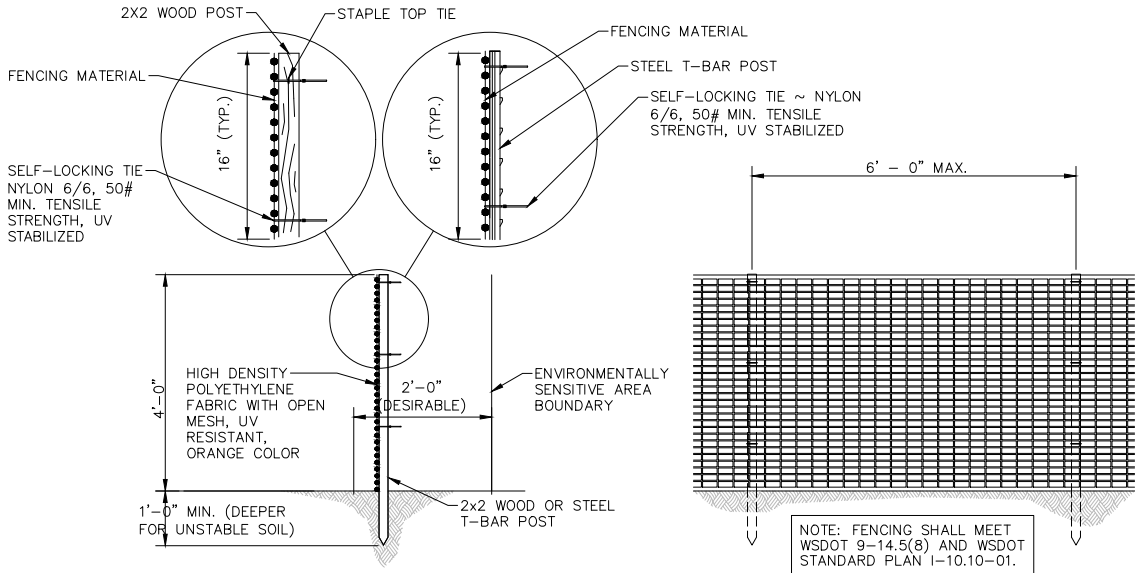
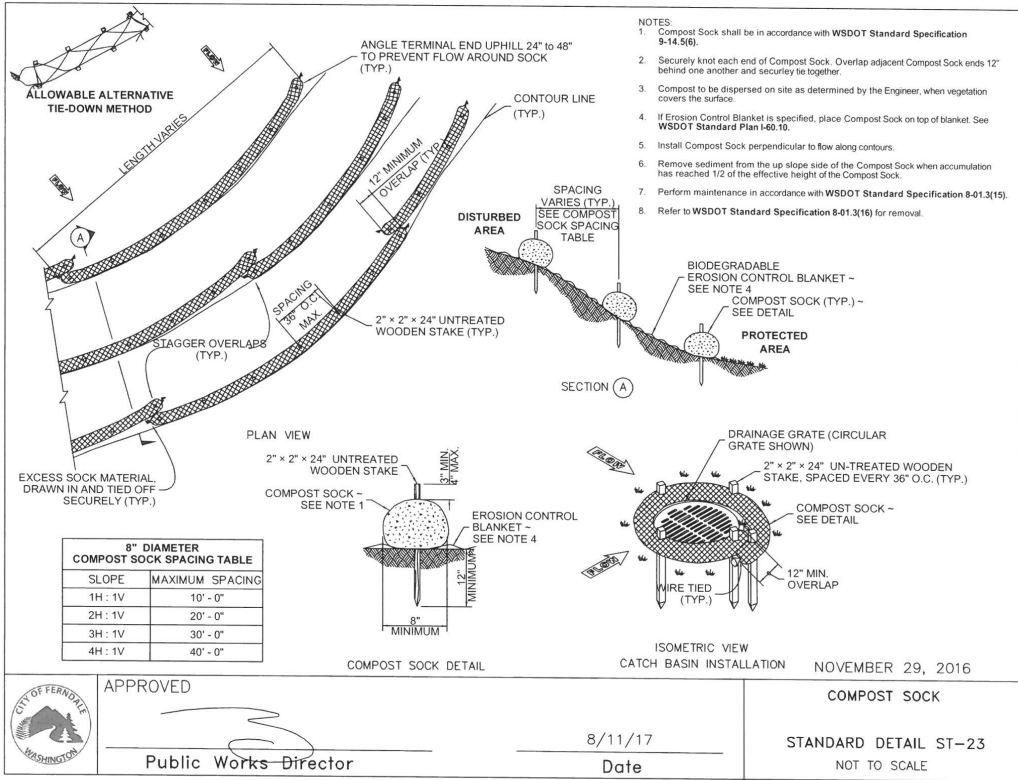
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JOB NUMBER: 2022-109

SHEET: C2.2
PAGE: 6 OF 12

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2 **BMP C235: STRAW WATTLE**
NOT TO SCALE



1 **ORANGE BARRIER FENCING**
NOT TO SCALE

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MFM

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CHECKED BY

AWL

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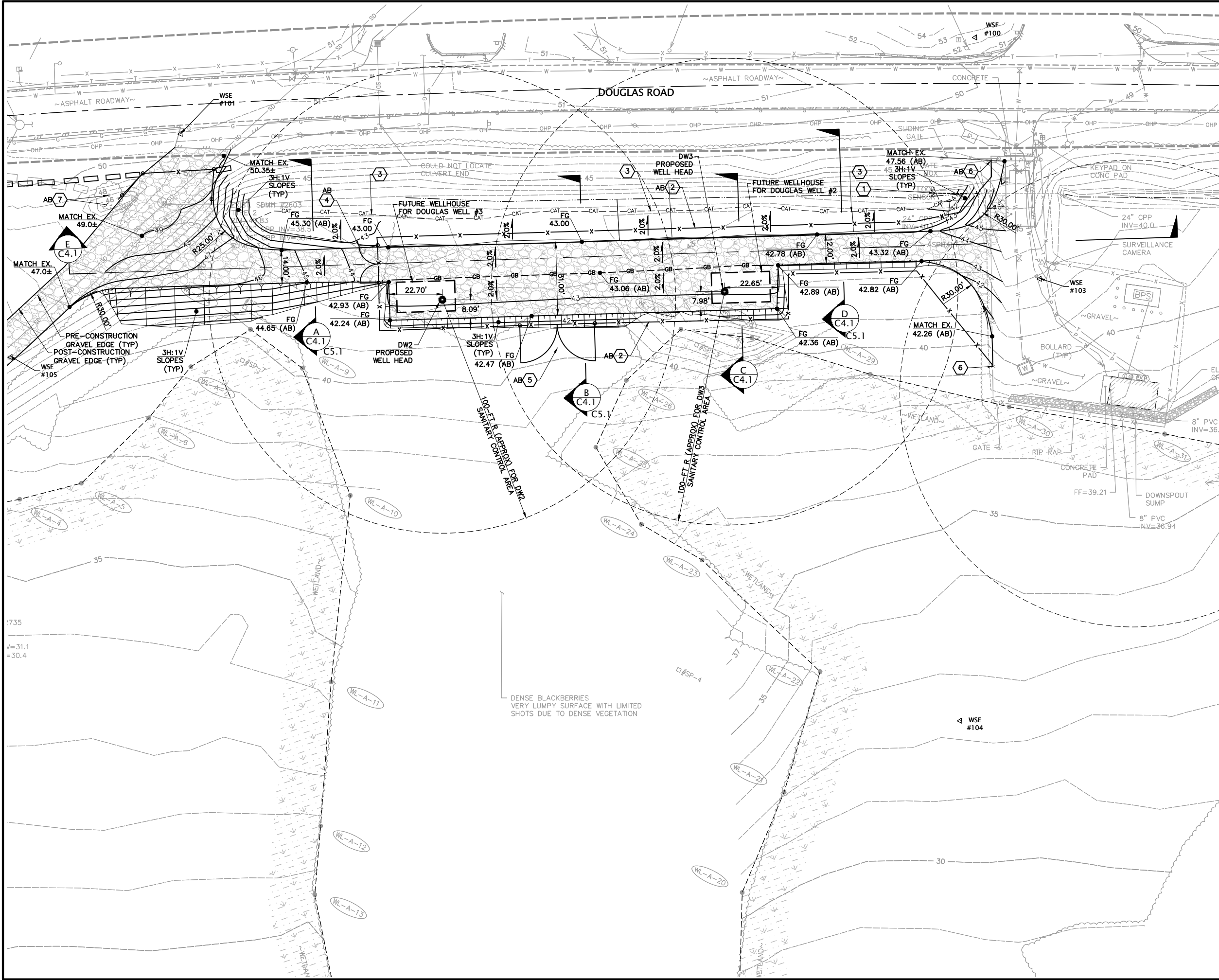
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1	EXTEND 24" CPP ±10' @ EXISTING SLOPE PER BT-14 BT-15 INV=40.2 (AB) C5.2 C5.2		
2	NEW CHAIN LINK FENCE PER SECTION 02 83 00		
3	APPROX. CATCH LINE IN EXISTING DITCH		
4	16-FT WIDE DOUBLE LEAF GATE.		
5	32-FT WIDE DOUBLE LEAF GATE.		
6	CAREFULLY REMOVE EXISTING FENCING AND POSTS AT PROPOSED OPENING. INSTALL NEW FENCE POST AND NEW FENCING MATERIAL AT PROPOSED ALIGNMENT. ENSURE EXISTING AND PROPOSED FENCING IS TAUT AND ALIGNED PROPERLY FOR A CLEAN TRANSITION FROM EXISTING TO PROPOSED.		
7	TREE REMOVED & DEPRESSION FILLED (AB)		

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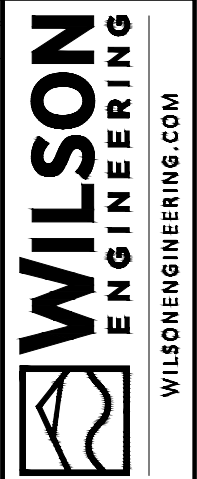
RECORD DRAWINGS

CITY OF FERDALE		DOUGLAS WELL #2 - ACCESS ROAD PROJECT		RECORD DRAWINGS		GRADING PLAN	
DATE	12-05-23	SCALE	AS SHOWN	JOB NUMBER	2022-109	SHEET	C3.1
DESIGNED BY	MFM	DRAWN BY	JCS	CHECKED BY	JCC	PAGE	8
WASHINGTON		FERDALE		OF		12	

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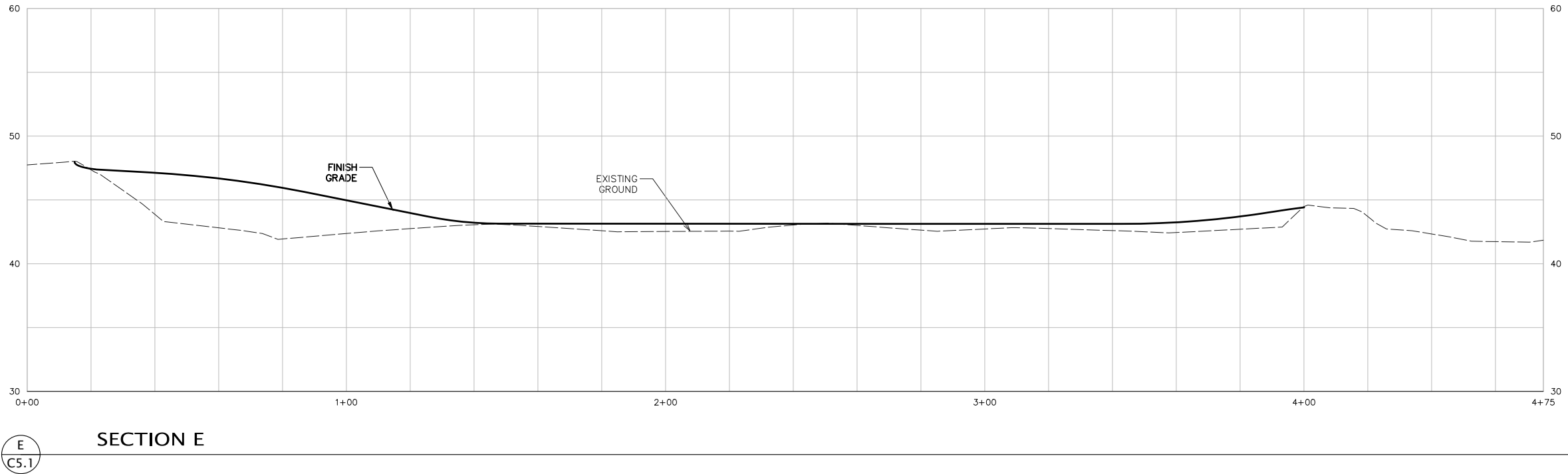
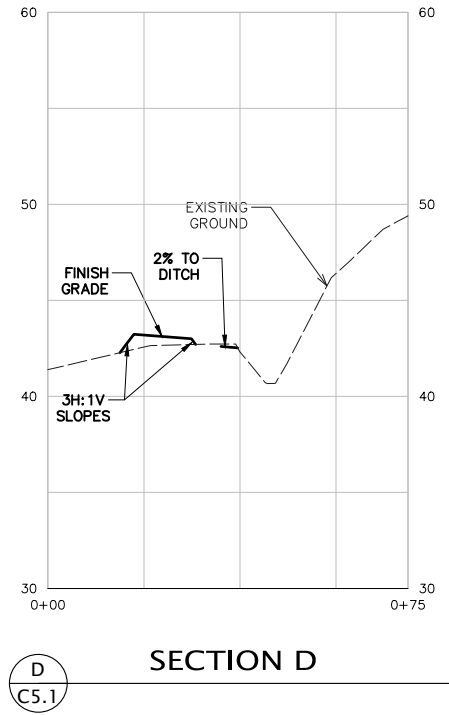
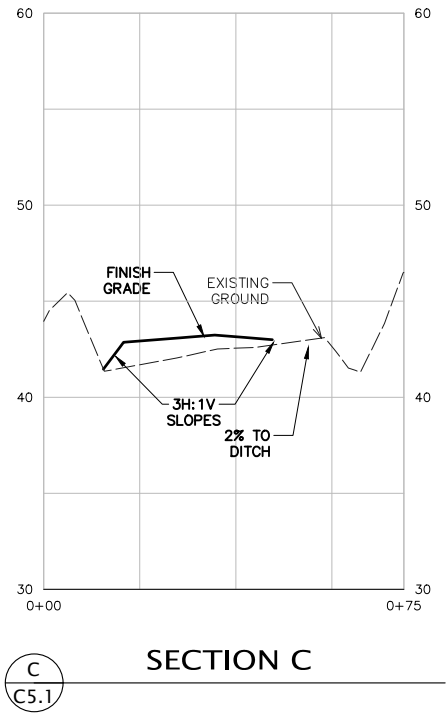
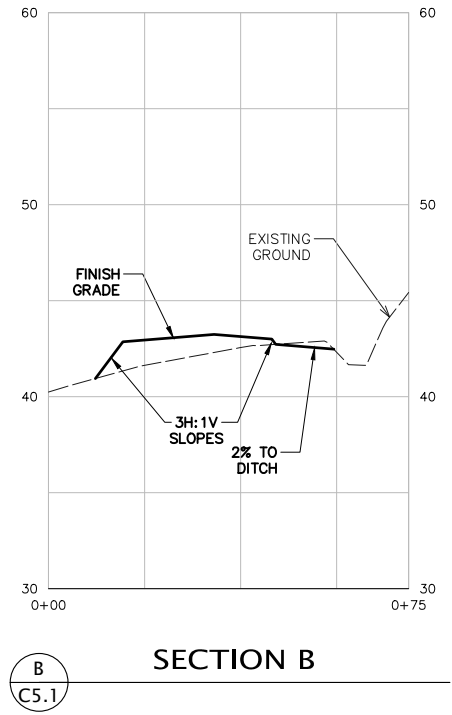
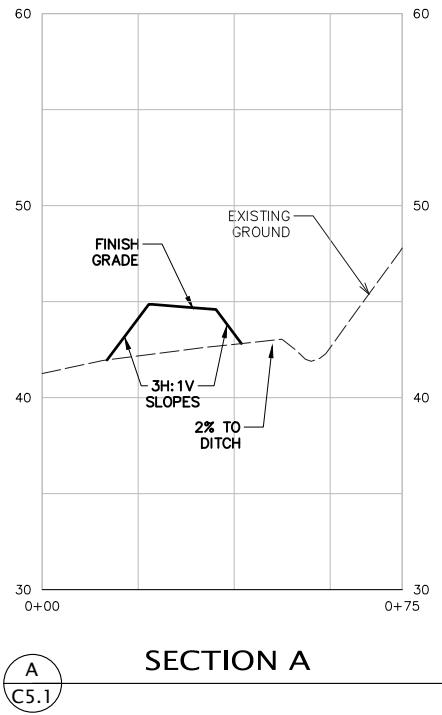
NO.	REVISIONS	BY	DATE



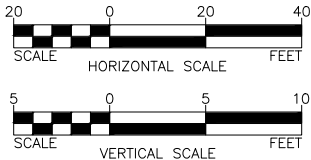
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DRAWN BY	JCS
CHECKED BY	AWL

CITY OF FERDALE
DOUGLAS WELL #2 - ACCESS ROAD PROJECT
RECORD DRAWINGS
ROAD SECTIONS

DATE	12-05-23
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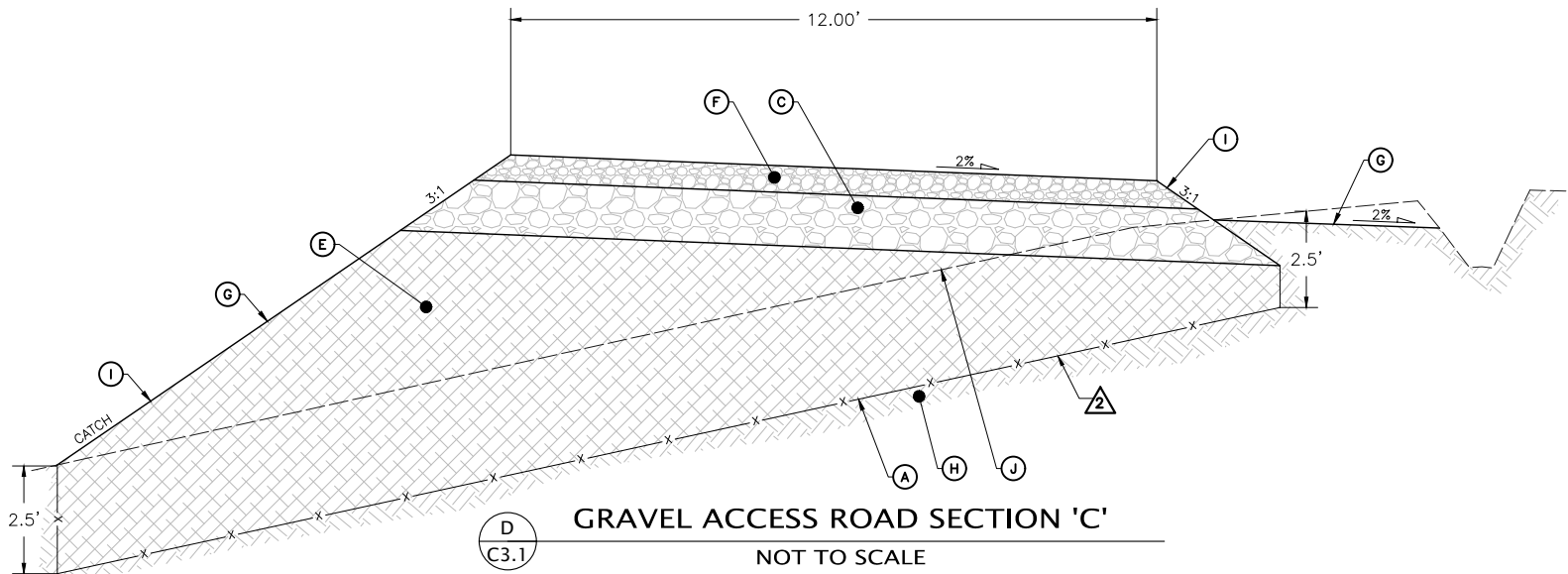
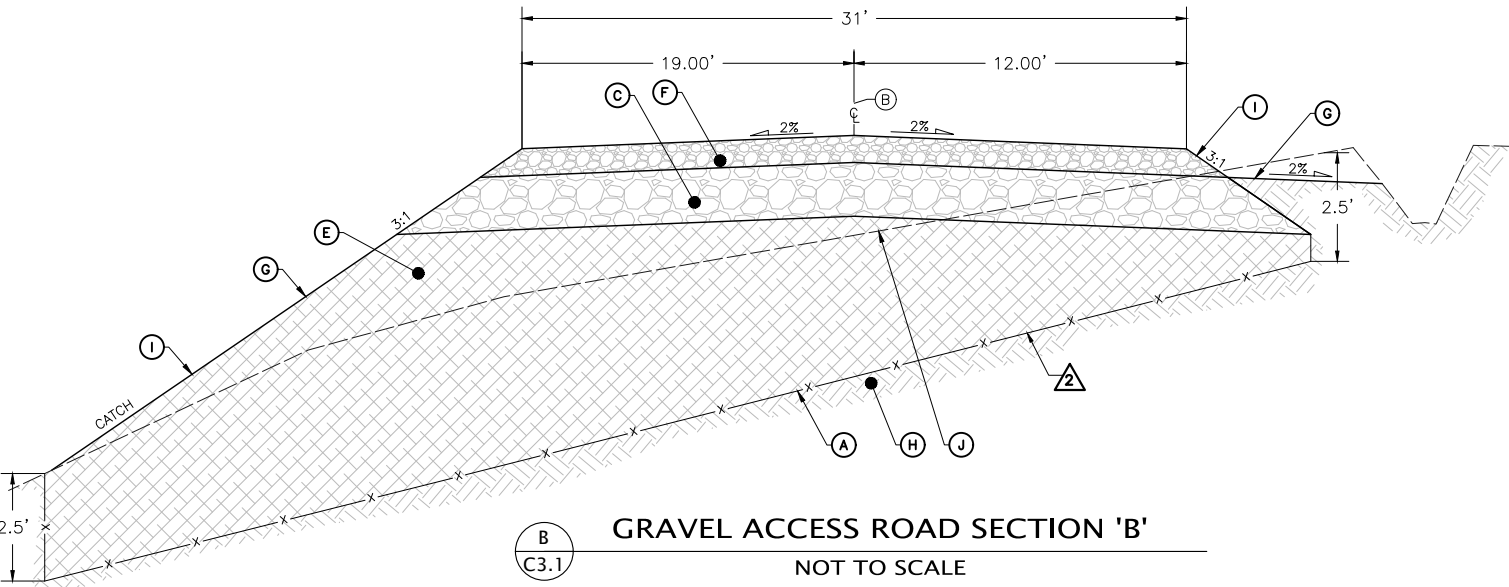
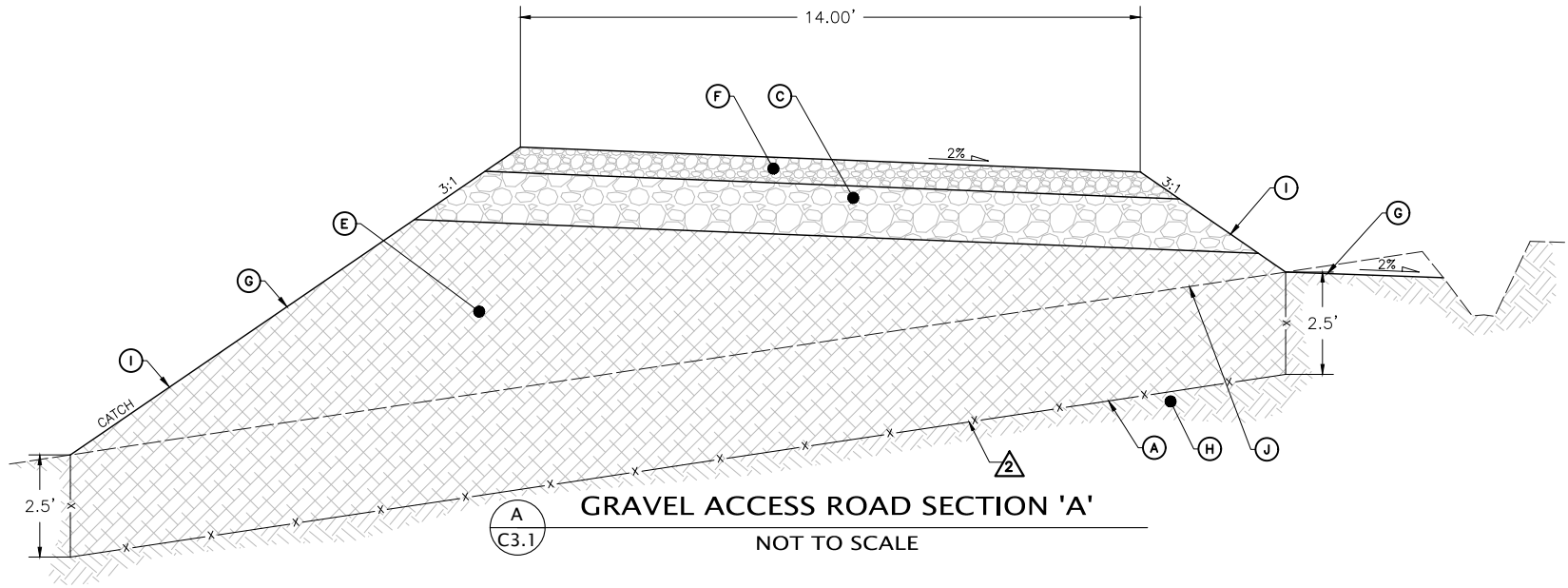
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RECORD DRAWINGS

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NO.	REVISIONS	BY	DATE
1	GEOTEXTILE FABRIC	JGC	6-30-23
2	ADDENDUM #1	JGC	7-20-23



KEYED NOTES:


1. A. EXISTING GROUND SURFACE (AFTER CLEARING & GRUBBING). INSTALL SPECIFIED FABRIC AT INTERFACE BETWEEN EXISTING AND IMPORT MATERIAL. SPECIFIED FABRIC= NONWOVEN GEOTEXTILE FABRIC FOR SEPARATION IN ACCORDANCE WITH TABLE 3, WEDOT 9-33.2(1) WITH A GRAB TENSILE STRENGTH (ASTM D 4632) OF 160 POUNDS. FABRIC TO BE MIRAFI 160N, OR APPROVED EQUAL
- B. CENTER OF ROADWAY
- C. 12-INCHES GRAVEL BASE PER WSDOT 9-03.10 COMPACTED TO 95% (MIN) OPTIMUM DENSITY (ASTM 1557)
- D. ***INTENTIONALLY BLANK***
- E. STRUCTURAL FILL PER WSDOT 9-03.10 COMPACTED TO 92% (MIN) OPTIMUM DENSITY (ASTM 1557)
- F. 6-INCHES CRUSHED SURFACING BASE COURSE PER WSDOT 9-03.9(3) COMPACTED TO 95% (MIN) OPTIMUM DENSITY (ASTM 1557)
- G. PLACE 4-INCHES TOP SOIL AND SEED ALL SIDE SLOPES, SEE SPEC. SEC 02 09 20
- H. UNDISTURBED SUITABLE NATIVE SUBGRADE. FIRM AND UNYIELDING. CONFIRM SUITABILITY WITH ENGINEER AND OWNER.
- I. CATCH SLOPES VARY- SEE PLANS FOR ACTUAL CATCH SLOPES. MAX SLOPE= 3:1.
- J. CLEAR & GRUB EXIST. VEGETATION. REMOVE TOPSOIL & FOREST DUFF


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RECORD DRAWINGS

WILSON
ENGINEERING





DESIGNED BY
MFM

DRAWN BY
JGS

CHECKED BY
AWL

CITY OF FERNDAL

WASHINGTON

FERNDAL

DOUGLAS WELL #2 - ACCESS ROAD PROJECT

RECORD DRAWINGS

CIVIL DETAILS

DATE
12-05-23

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SHEET
C5.1

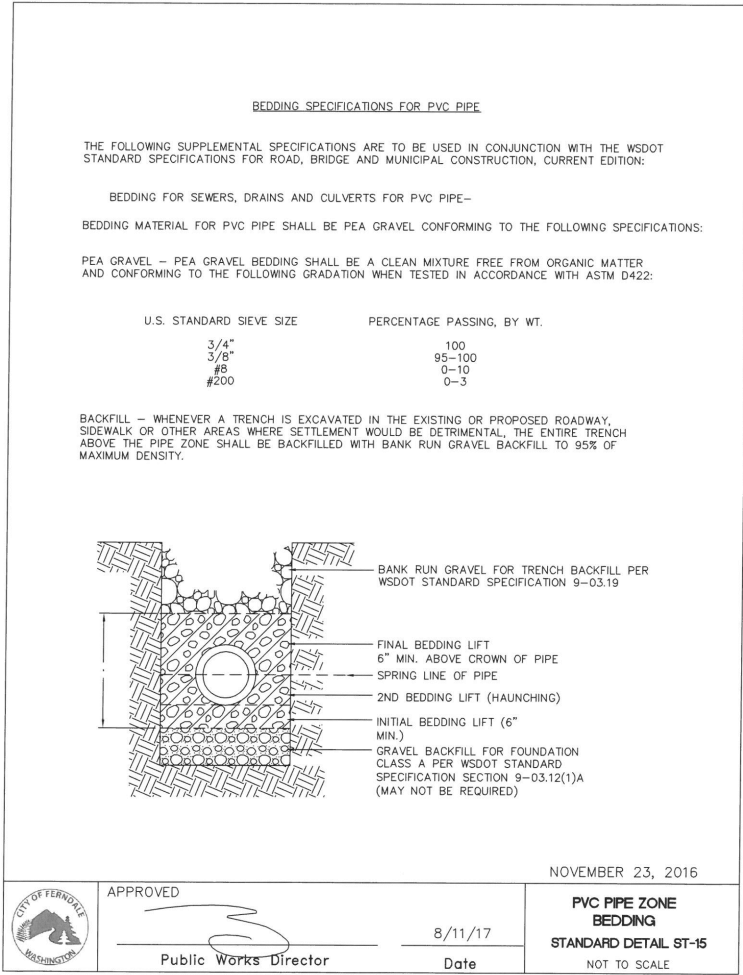
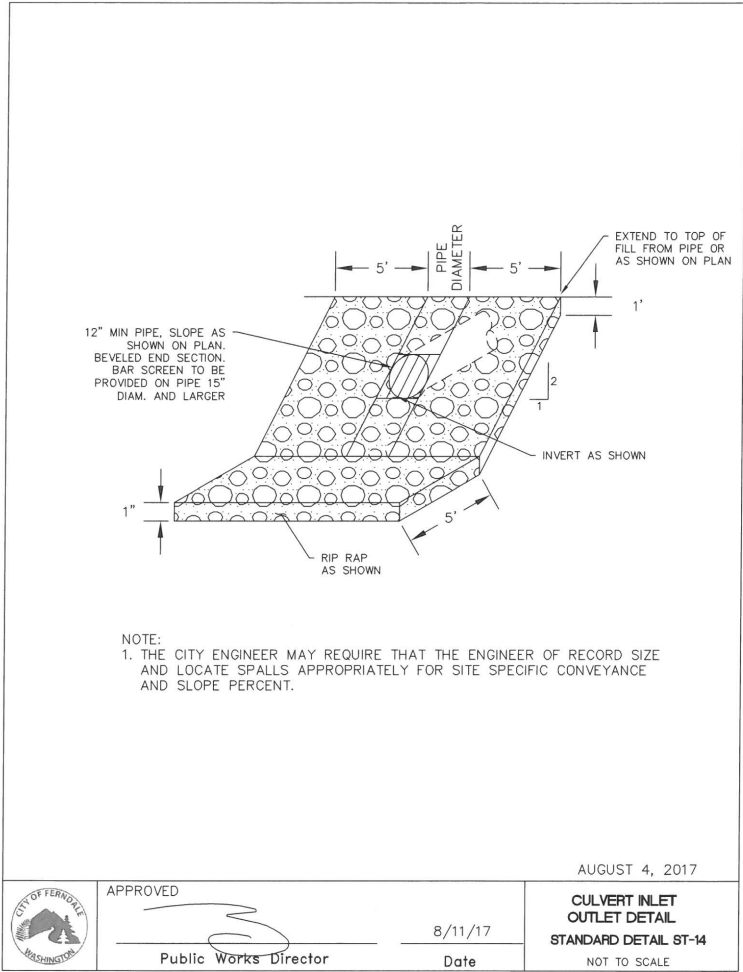
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RECORD DRAWINGS



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BY: *Kevin*
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DRAWN BY JCS
CHECKED BY AWL

CITY OF FERNDALE

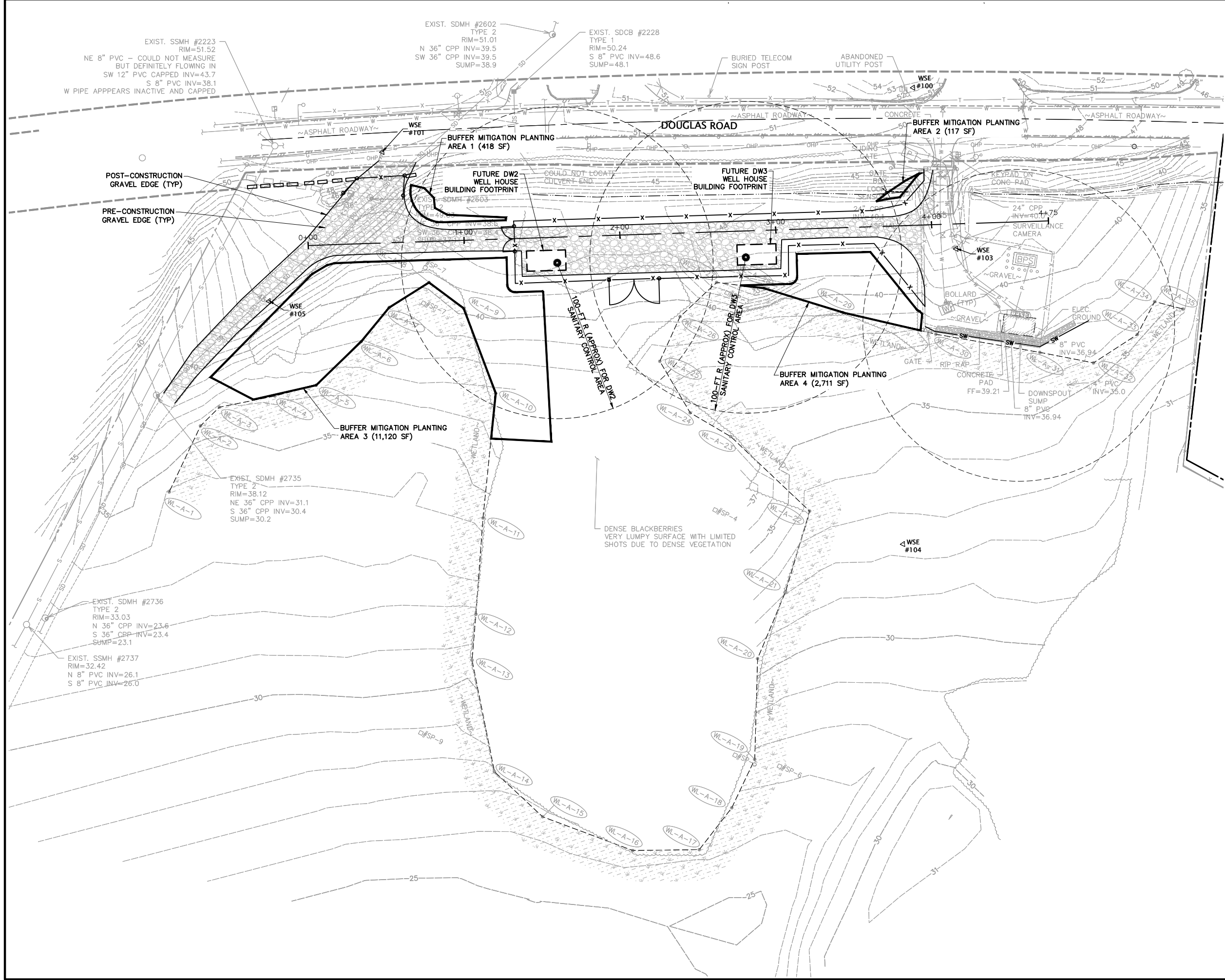
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DOUGLAS WELL #2 – ACCESS ROAD PROJECT
RECORD DRAWINGS
CIVIL DETAILS

SHEET C5.2
PAGE 11 OF 12

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SHEET C6.1	DATE 12-05-23	CITY OF FERNDALE DOUGLAS WELL #2 – ACCESS ROAD PROJECT RECORD DRAWINGS BUFFER MITIGATION PLANTING INFO	DESIGNED BY MFM			WILSON ENGINEERING	WILSONENGINEERING.COM
	SCALE AS SHOWN JOB NUMBER 2022-109		DRAWN BY JCS CHECKED BY JCC				