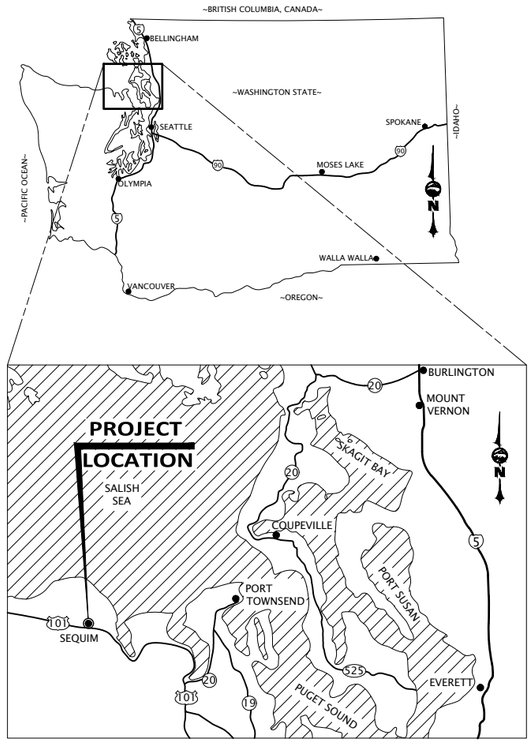
CITY OF SEQUIM

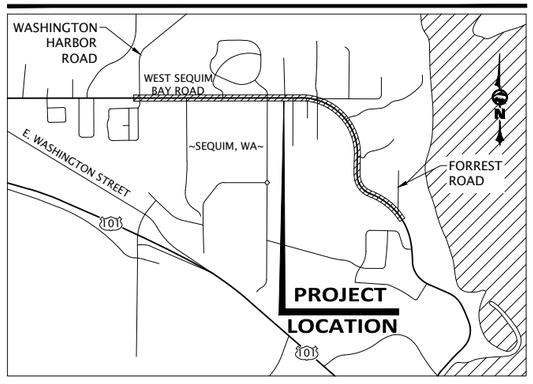
WEST SEQUIM BAY ROAD CORRIDOR PROJECT

NO.	REVISIONS	BY	DATE

AREA MAP - NOT TO SCALE



VICINITY MAP - NOT TO SCALE



CITY OF SEQUIM

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KATHY DOWNER
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CITY OF SEQUIM
WASHINGTON
WEST SEQUIM BAY ROAD CORRIDOR PROJECT
SEQUIM
COVER SHEET

DATE	SCALE	JOB NUMBER
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90	C7.41	WSB ROAD CHANNELIZATION & SIGNAGE PLANS STA 37+53-47+06
91	C7.42	WSB ROAD CHANNELIZATION & SIGNAGE PLANS STA 47+06-56+48
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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

	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
X X	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
THW THW	THALWAG LINE
	TOP OF BANK/SLOPE
	TOE OF BANK/SLOPE
	VEGETATION/SHRUB LINE
	WETLAND/SWAMP PERIMETER
	WETLAND BUFFER

SURFACE FEATURES
PROPOSED PLAN LINETYPES

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

UTILITIES
EXISTING PLAN LINETYPES

	DESCRIPTION
TV TV TV	CABLE TELEVISION (AERIAL)
TV TV	CABLE TELEVISION (BURIED)
C	SURVEILLANCE CAMERA (BURIED
FO FO FO	FIBER OPTIC/COMMUNICATIONS LINE (AERIAL)
FO FO	FIBER OPTIC/COMMUNICATIONS LINE (BURIED)
OHT OHT OHT	TELEPHONE/COMMUNICATIONS (AERIAL)
T T	TELEPHONE/COMMUNICATIONS (BURIED)
SC SC	TRAFFIC SIGNAL CONDUIT LINE
OHP OHP OHP	POWER (AERIAL)
P P	POWER (BURIED)
UT UT UT	UTILITY (AERIAL)
UT UT	UTILITY (BURIED)
PDB PDB	POWER DUCT BANK (BURIED)
DF DF	DRAIN FIELD
S S	SANITARY SEWER
S S S S S	APPROXIMATE SANITARY SEWER
FM FM	SANITARY SEWER (FORCE MAIN)
FM FM FM FM FM	APPROXIMATE SANITARY SEWER (FORCE MAIN)
SD SD	STORM DRAINAGE
SD SD SD SD SD	APPROXIMATE STORM DRAINAGE
	CULVERT (@ WIDTH)
	CULVERT
RW RW	RECLAIMED WATER
IRR IRR	IRRIGATION
W W	WATER
W W W W W	APPROXIMATE WATER
8W 8W	8" WATER
OF OF OF	OVERFLOW
STE STE	STEAM
G G	GAS
	GAS TANK/STRUCTURE
O O	OIL
AIR AIR	AIR LINE
	BURIED UTILITY APPROX. EXTENTS
	MISC UTILITY (BURIED)

PROPOSED PLAN UTILITY LINETYPES

	DESCRIPTION
WATER	
W W	WATER
8W 8W	8" WATER
IRR IRR	IRRIGATION
RW RW RW RW	RECLAIMED WATER
PW PW PW PW	POTABLE WATER
W W W W W	WATER SERVICE
	WATER STRUCTURE
FDC FDC	FIRE DEPARTMENT CONNECTION
FP FP	FIRE PROTECTION LINE
SANITARY SEWER	
S S	SEWER
8S 8S	8" SEWER
FM FM	FORCE MAIN
DF DF	DRAIN FIELD
S S S S S	SEWER SERVICE
	SEWER STRUCTURE
STORM DRAIN	
D D	STORM DRAIN
SD SD	STORM DRAIN
	STORM DRAIN
D D D D D	STORM SERVICE
FD FD FD FD FD	FOOTING DRAIN
	STORM STRUCTURE
MISC. UTILITIES	
G G	GAS
P P	POWER
T T	TELEPHONE/COMMUNICATIONS
EROSION CONTROL	DESCRIPTION
TSD TSD	EROSION TRIANGULAR SILT DIKE
CB CB	EROSION CONTROL COMPOST BERM
	EROSION CONTROL MINOR CONTOUR
100	EROSION CONTROL MAJOR CONTOUR
OB OB	ORANGE BARRIER FENCE
SF SF	SILT FENCE
SW SW	STRAW WATTLE
> >	EROSION CONTROL FLOWLINE
SB	STRAW BALE
IP	INLET PROTECTION
CD	CHECK DAM

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SURVEY
PLAN LINETYPES

	DESCRIPTION
	CENTERLINE (EXISTING)
	CENTERLINE (CONSTRUCTION)
	CENTERLINE (PROPOSED)
	CONTOUR (EXISTING MINOR)
100	CONTOUR (EXISTING INDEX)
100	HYDRO CONTOUR (EXISTING INDEX)
	CONTOUR (PROPOSED INDEX)
	CONTOUR (PROPOSED MINOR)
	DONATION LAND CLAIM (EXIST.)
	EASEMENT (PROPOSED)
	EASEMENT (EXISTING)
	MEANDER LINE
OHW OHW	ORDINARY HIGH WATER LINE
MLW MLW	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 & CONSTRUCTION PLANS)	RIGHT-OF-WAY (EXISTING)
(RIGHT OF WAY & CONSTRUCTION PLANS)	RIGHT-OF-WAY (EXISTING USED)
(RIGHT OF WAY PLANS)	RIGHT-OF-WAY (PROPOSED)
(RIGHT OF WAY PLANS) (RIGHT OF WAY PLANS)	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
CLR CLR	CLEARING LIMIT
	TREE OR BUSH TO BE REMOVED

GRADING

	DESCRIPTION
GB GB GB	GRADE BREAK
CAT CAT CAT	CATCHLINE
Cut Cut	CUT LINE
Fill Fill	FILL LINE
or	SLOPE ARROWS

MISC. SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
#	#	SOIL BORING
#	#	MONITORING WELL
		TEST WELL
#	#	TEST PIT
		EMBANKMENT
		MAIL BOX
		SIGN
		RIP RAP
		BOULDER
		SHRUB
		TREE (Conifer)*
		TREE (Deciduous)*
		STUMP–PLAN VIEW
		YARD LIGHT
		WELL
		PILE
		ROCKERY
		WHEEL STOP
		SPLASH BLOCK
		GAS METER
		GAS VALVE
		PAD MOUNTED TRANSFORMER
P	P	POWER VAULT
		TRANSMISSION TOWER
		POWER CABINET OR PANEL
P	P	POWER METER
		GUY POLE
		UTILITY POLE
		UTILITY POLE ANCHOR
		TELE RISER
TV	TV	CABLE RISER
		FIBER OPTIC RISER
F	F	FIBER OPTIC MANHOLE
T	T	TELEPHONE MANHOLE
T	T	TELEPHONE VAULT
		STEAM MANHOLE
		PARKING METER
		POST
P	P	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
C	C	STORM DRAIN CB TYPE 2
		STORM DRAIN CB TYPE 2 W/CB LID
		STORM DRAIN WITH OVERFLOW GRATE
		STORM DRAIN CLEAN–OUT
DS	DS	STORM DOWNSPOUTS

PIPE CALL–OUT

(A) (B)
36–SS
XXXLF
(C)

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

SYMBOLS

°	=DEGREES
±	=PLUS/MINUS
ø	=DIAMETER
Δ	=DELTA
℄	=CENTERLINE
℄	=FLOWLINE
℘	=PROPERTY LINE

SPOT ELEVATIONS

190.00 ① TBC ②

① = ELEVATION
② = DESCRIPTION– SEE DEFINED ABBREVIATIONS ABOVE

DIRECTIONAL ABBREVIATIONS

N	=NORTH
NE	=NORTHEAST
E	=EAST
SE	=SOUTHEAST
S	=SOUTH
SW	=SOUTHWEST
W	=WEST
NW	=NORTHWEST

SECTION/DETAIL CALL–OUTS

B (A) / CX.XC (B)

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

1 (A) / CX.XC (B)

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

B (A) / CX.XC (B)

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

1 (A) / CX.XC (B)

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

CX.XC (B)

TYPICAL ALIGNMENT CALL–OUTS

①FIDALGO DRIVE
STA 610+09.39,②
34.09'R③

ALIGNMENT STATION/OFFSET CALL–OUTS: (1) REPRESENTS THE ALIGNMENT NAME (MAY NOT BE THAT OF THE ROAD NAME) (2) INDICATES THE STATION OF THE ALIGNMENT (3) REPRESENTS THE OFFSET FROM THE ALIGNMENT STATION AND 'L' OR 'R' DENOTES WHETHER THE OFFSET IS LEFT OR RIGHT OF THE ALIGNMENT

WATER SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		ARV VALVE
		GLOBE VALVE, FL
		BALL CHECK VALVE, FL
		BLOW–OFF VALVE
		SWING CHECK VALVE, FL
		BUTTERFLY VALVE, FL
		HOSE BIB/SPIGOT
		DOUBLE LEAF CHECK VALVE
		PLUG VALVE
		BALL VALVE
		FLOAT VALVE
		PINCH VALVE
		PRESSURE & VACUUM RELIEF VALVE
		VACUUM RELIEF VALVE
		PRESSURE RELIEF VALVE
PRV	PRV	PRESSURE REGULATING VALVE (SELF CONTAINED)
PRV	PRV	BACK PRESSURE REGULATING VALVE (SELF CONTAINED)
		IN–LINE SPRING LOADED RELIEF VALVE
		CAP/PLUG
		GUARD POST
		THRUST BLOCK
		WATER METER
		FIRE DEPARTMENT CONNECTION
		WATER VALVE
		FIRE HYDRANT
W		WATER MANHOLE
PRV	PRV	POST INDICATOR VALVE
		11–1/4 BEND, MJ–FL
		22–1/2 BEND, MJ–FL
		45 BEND, MJ–FL
		90 BEND, MJ–FL
		FLXMJ ADAPTER
		COUPLER
		BLIND FLANGE
		GATE VALVE, FLxMJ
		GATE VALVE, MJ
		REDUCER, MJxFL
		REDUCER, MJ
		TEE, FL
		TEE, MJ
		TEE, MJxFL
		TEE, FLxMJ
		CROSS, FL
		CROSS, MJ

SURVEY SYMBOLS

	BRASS SURFACE MONUMENT
	CONCRETE MONUMENT
	FOUND REBAR
	SET REBAR
	MONUMENT IN CASE
	TRAVERSE POINT

NOTE TO USER:
CONTENT SHOWN ON THIS PAGE IS SUBJECT TO CHANGE AND MAY DIFFER THROUGHOUT THE PLAN SET.

ABBREVIATIONS

AB	=AS–BUILT (RECORD)
AC	=ASBESTOS CEMENT
AL	=ALIGNMENT
APPROX	=APPROXIMATE
APWA	=AMERICAN PUBLIC WORKS ADMINISTRATION
ASPH or AC	=ASPHALT
ASS'Y	=ASSEMBLY
ASTM	=AMERICAN SOCIETY FOR TESTING & MATERIALS
AWWA	=AMERICAN WATER WORKS ASSOCIATION
BLDG	=BUILDING
BMP	=BEST MANAGEMENT PRACTICE
BVCS	=BEGIN VERTICAL CURVE STATION
BVCE	=BEGIN VERTICAL CURVE ELEVATION
CB	=CATCH BASIN
CK	=CHECK VALVE
C/L, ℄	=CENTERLINE
CESCL	=CERTIFIED EROSION SEDIMENT CONTROL LEAD
COL	=COLUMN
CMP	=CORRUGATED METAL PIPE
CMU	=CONCRETE MASONRY UNIT
C.O. or CO	=CLEAN OUT
CONC, EC	=CONCRETE
COR	=CORNER
CRSI	=CONCRETE REINFORCING STEEL INSTITUTE
CPP	=CORRUGATED POLYETHYLENE PIPE
CSBC	=CRUSHED SURFACING BASE COURSE
CSTC	=CRUSHED SURFACING TOP COURSE
DCVA	=DOUBLE CHECK VALVE ASSEMBLY
DI or DIP	=DUCTILE IRON PIPE
DIAM	=DIAMETER
DNR	=DEPARTMENT OF NATURAL RESOURCES
DO	=DISSOLVED OXYGEN
DOT	=DEPARTMENT OF TRANSPORTATION
DR	=DIMENSION RATIO
DS	=DOWNSPOUT
EG	=EXISTING GRADE
ELEV, EL	=ELEVATION
EOG	=EDGE OF GRAVEL
EOP	=EDGE OF PAVEMENT
EP	=EXPLORATION PIT
EXIST, EX	=EXISTING
EVCS	=END VERTICAL CURVE STATION
EVCE	=END VERTICAL CURVE ELEVATION
FDC	=FIRE DEPARTMENT CONNECTION
FF	=FINISH FLOOR
FG	=FINISH GRADE
FL	=FLOWLINE OR FLANGE (CONNECTION)
℄	=FLOWLINE
FLC	=FLOWLINE OF CURB
FM	=FORCEMAIN
FRP	=FIBERGLASS REINFORCED PIPE
GB	=GRADE BREAK
GMET	=GAS METER
GP	=GUY POLE
GPM	=GALLONS PER MINUTE
GRVL, G	=GRAVEL
GV	=GATE VALVE
HDG	=HOT–DIP GALVANIZED
HDPE	=HIGH DENSITY POLYETHYLENE
HSS	=HOLLOW STRUCTURAL SECTION
H:V	=HORIZONTAL:VERTICAL
HWL	=HIGH WATER LEVEL
HYD	=HYDRANT
IBC	=INTERNATIONAL BUILDING CODE
IE	=INVERT ELEVATION
INFO	=INFORMATION
INV	=INVERT
IPS	=IRON PIPE SIZE
LF	=LINEAR FEET
LUM	=LUMINAIRE
LT	=LEFT
MAX	=MAXIMUM
MB	=MAIL BOX
MBR	=MEMBRANE BIO–REACTOR
MDD	=MAXIMUM DRY DENSITY
MFR	=MANUFACTURER
MH	=MANHOLE
MIN	=MINIMUM
MISC	=MISCELLANEOUS
MJ	=MECHANICAL JOINT
MUTCD	=MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
MW	=MONITORING WELL
NPDES	=NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
NSF	=NATIONAL SCIENCE FOUNDATION
O.C.	=ON CENTER
O.C.E.W	=ON CENTER EACH WAY
OD	=OUTSIDE DIAMETER
OHP	=OVERHEAD POWER
OHT	=OVERHEAD TELEPHONE
OSHA	=OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PC	=POINT OF CURVATURE
PCC	=POINT OF CONTINUING CURVATURE
PE	=POLYETHYLENE or PLAIN END
PIV	=POST INDICATOR VALVE
P/L, ℘	=PROPERTY LINE
PLC	=PROGRAMMABLE LOGIC CONTROLLER
PLTR	=PLANTER
POL	=POINT ON LINE
PROP	=PROPOSED
PS	=PUMP STATION
PSI	=POUNDS PER SQUARE INCH
PT	=POINT OF TANGENCY
PVC	=POLYVINYL CHLORIDE
PVI	=POINT OF VERTICAL INTERSECTION
PW	=POTABLE WATER
R	=RADIUS
RET	=RETAINING
REC	=RECORD
REINF	=REINFORCEMENT
REQ'D	=REQUIRED
RPBA	=REDUCED PRESSURE BACKFLOW ASSEMBLY
RR	=RAILROAD
RT	=RIGHT
R/W or ROW	=RIGHT–OF–WAY
RW	=REUSE WATER
SCADA	=SUPERVISORY CONTROL AND DATA ACQUISITION
SCH	=SCHEDULE
SD	=STORM DRAIN
SDCB	=STORM DRAIN CATCH BASIN
SDCO	=STORM DRAIN CLEAN OUT
SDMH	=STORM DRAIN MANHOLE
SFH	=SINGLE FAMILY HOUSING
SN	=SIGN
SPD	=STANDARD PROCTOR DENSITY
SPK	=SPIKE
SS	=SANITARY SEWER
SSCO	=SANITARY SEWER CLEAN–OUT
SSMH	=SANITARY SEWER MANHOLE
SST	=STAINLESS STEEL
STA	=STATION
S/W	=SIDEWALK
SYMM	=SYMMETRY/SYMMETRICAL
TBC	=TOP BACK OF CURB
TBD	=TO BE DETERMINED
TBM	=TEMPORARY BENCH MARK
T.O.W.	=TOP OF WALL
TYP	=TYPICAL
UNK	=UNKNOWN
UP	=UTILITY POLE
VAC	=VACATED
VC	=VERTICAL CURVE
WA	=WATER
WAC	=WASHINGTON ADMINISTRATIVE CODE
WAS	=WASTE ACTIVATED SLUDGE
WL	=WATERLINE
WM	=WATER METER
WS	=WATER SURFACE
WSDOT	=WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
WV	=WATER VALVE
YD	=YARD DRAIN
YL	=YARD LIGHT

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CITY OF SEQUIM
WEST SEQUIM BAY ROAD CORRIDOR PROJECT
SEQUIM WASHINGTON
LEGEND & ABBREVIATIONS

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET G1.03
PAGE 3 OF X

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NO.	REVISIONS	BY	DATE

GENERAL NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF SEQUIM STANDARDS AND THE MOST CURRENT COPY OF THE STATE OF WASHINGTON STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION (WSDOT/APWA).
2. ALL APPROVALS AND PERMITS REQUIRED BY THE CITY OF SEQUIM SHALL BE OBTAINED PRIOR TO THE START OF CONSTRUCTION.
3. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 1-800-332-2344 A MINIMUM OF 2 BUSINESS DAYS PRIOR TO ANY EXCAVATION.
4. ALL NEW PLASTIC PIPE AND SERVICES SHALL BE INSTALLED WITH CONTINUOUS TRACER TAPE INSTALLED 8" TO 12" UNDER THE PROPOSED FINISHED SUBGRADE. THE MARKER SHALL BE PLASTIC NON-BIODEGRADABLE, METAL CORE OR BACKING MARKED WATER WHICH CAN BE DETECTED BY A STANDARD METAL DETECTOR.
5. EROSION CONTROL MEASURES SHALL BE TAKEN BY THE CONTRACTOR DURING CONSTRUCTION TO PREVENT SILTATION TO EXISTING STORM DRAINAGE FACILITIES AND ROADWAYS.
6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE A COPY OF THESE APPROVED PLANS ON CONSTRUCTION SITE AT ALL TIMES.
7. ANY CHANGES TO THE DESIGN SHALL FIRST BE REVIEWED AND APPROVED BY THE PROJECT ENGINEER.
8. ALL LINES SHALL BE CLEANED AND PRESSURE TESTED PRIOR TO PAVING IN CONFORMANCE WITH THE ABOVE REFERENCED SPECIFICATIONS. TESTING SHALL TAKE PLACE AFTER ALL UNDERGROUND UTILITIES ARE INSTALLED AND COMPACTION OF THE ROADWAY SUBGRADE IS COMPLETED.
9. PRIOR TO BACKFILL ALL MAINS AND APPURTENANCES SHALL BE INSPECTED AND APPROVED BY THE CITY OF SEQUIM CONSTRUCTION INSPECTOR. APPROVAL SHALL NOT RELIEVE THE CONTRACTOR FOR CORRECTION OF ANY DEFICIENCIES AND/OR FAILURES AS DETERMINED BY SUBSEQUENT TESTING AND INSPECTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE INSPECTOR FOR THE REQUIRED INSPECTIONS.
10. ALL WORK AND MATERIALS SHALL BE GUARANTEED BY THE CONTRACTOR FOR ONE YEAR AFTER FINAL ACCEPTANCE.
11. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND NOT ALL ARE SHOWN. THE CONTRACTOR IS RESPONSIBLE TO VERIFY AND PROTECT ALL UTILITIES.
12. ALL RESTORATION AND LANDSCAPING WITHIN PUBLIC OR PRIVATE PROPERTY SHALL OCCUR WITHIN THREE WEEKS OF DISTURBANCE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL LAWNS, LANDSCAPING, FENCES, GRAVEL, ASPHALT AND CONCRETE.
13. THE CONTRACTOR SHALL KEEP A RECORD OF AS-BUILT INFORMATION THROUGHOUT THE ENTIRE PROJECT. THIS INFORMATION SHALL INCLUDE ALL DEVIATIONS FROM THE PLANS AND ANY OTHER INFORMATION NOT SHOWN ON THE PLANS AND THE LOCATION OF ALL SIDE SEWER CONNECTIONS TO THE MAIN LINE.
14. THE CONTRACTOR SHALL REPLACE ALL MONUMENTS, RIGHT-OF-WAY MARKERS, PROPERTY STAKES, ETC. THAT ARE DISTURBED DURING CONSTRUCTION. THE CONTRACTOR SHALL USE A SURVEYOR REGISTERED IN THE STATE OF WASHINGTON TO COMPLETE ALL SURVEY WORK.

EROSION AND SEDIMENTATION CONTROL

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PREVENT POLLUTION AND EROSION IN ACCORDANCE WITH WSDOT SECTION 1.07.15. EROSION CONTROL BEST MANAGEMENT PRACTICES SHALL CONFORM TO THE CURRENT WASHINGTON DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL.

EXISTING UTILITIES

1. CONTRACTOR IS ADVISED THAT UNDERGROUND WATER, SEWER, STORM, TELEPHONE, FIBER OPTIC, AND GAS MAY BE LOCATED IN THE VICINITY OF THIS PROJECT. NO ATTEMPT WAS MADE TO SHOW ALL UTILITIES ON THE PLAN. LOCATIONS SHOWN FOR EXISTING UTILITIES ARE APPROXIMATE. OTHER UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE TRUE AND CORRECT LOCATIONS OF EXISTING UTILITIES THAT MAY IMPACT THE WORK. CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO COMMENCING CONSTRUCTION IF MARKED UTILITIES APPEAR TO CONFLICT WITH PROPOSED IMPROVEMENTS. THE COST OF LOCATING, PROTECTING AND ACCOMMODATING EXISTING UTILITIES SHALL BE INCIDENTAL TO THE COST OF THE PROJECT. IF AN ACTUAL CONFLICT REQUIRES RELOCATION OF AN EXISTING UTILITY OR THE REDESIGN OF THE PROPOSED IMPROVEMENT, THE ENGINEER WILL DETERMINE IF EXTRA PAY IS WARRANTED TO ACCOMMODATE THE CHANGED OR UNFORESEEN CONDITION. MINOR HORIZONTAL OR VERTICAL ADJUSTMENTS OF THE PROPOSED IMPROVEMENTS TO AVOID CONFLICTS SHALL NOT ENTITLE THE CONTRACTOR TO EXTRA PAY.

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CITY OF SEQUIM

SEQUIM WASHINGTON

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

GENERAL NOTES

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET G1.04

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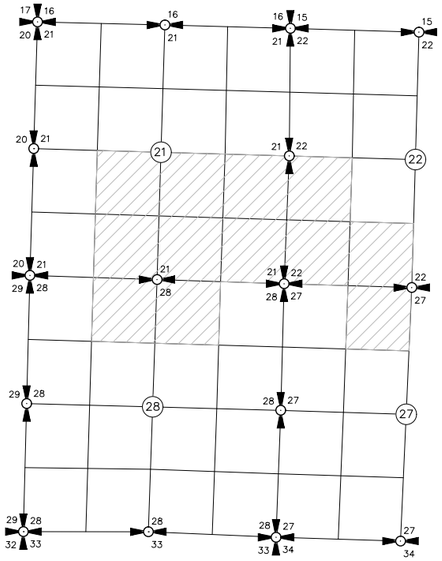
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CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT
W.A.C. 332-130 COMPLIANCE SHEET

NO.	REVISIONS	BY	DATE

SECTIONAL INDEX DATA



SE QTR - SW QTR, SEC. 21, TWNSHP 30 NORTH, R 03 WEST, W.M.
NE QTR - SW QTR, SEC. 21, TWNSHP 30 NORTH, R 03 WEST, W.M.
SE QTR - SE QTR, SEC. 21, TWNSHP 30 NORTH, R 03 WEST, W.M.
NE QTR - SE QTR, SEC. 21, TWNSHP 30 NORTH, R 03 WEST, W.M.
NW QTR - SE QTR, SEC. 21, TWNSHP 30 NORTH, R 03 WEST, W.M.
SW QTR - SE QTR, SEC. 21, TWNSHP 30 NORTH, R 03 WEST, W.M.

SE QTR - SW QTR, SEC. 22, TWNSHP 30 NORTH, R 03 WEST, W.M.
SW QTR - SW QTR, SEC. 22, TWNSHP 30 NORTH, R 03 WEST, W.M.
NW QTR - SW QTR, SEC. 22, TWNSHP 30 NORTH, R 03 WEST, W.M.

NE QTR - NW QTR, SEC. 27, TWNSHP 30 NORTH, R 03 WEST, W.M.

NW QTR - NE QTR, SEC. 28, TWNSHP 30 NORTH, R 03 WEST, W.M.
NE QTR - NW QTR, SEC. 27, TWNSHP 30 NORTH, R 03 WEST, W.M.

REFERENCE DOCUMENTS

1. CLALLAM COUNTY GEOMETRIC FRAMEWORK V.40, PG.16
2. PLAT OF OLYMPIC CREST V.14, PG.100
3. PLAT OF SUN MEADOWS V.12, PG.63
4. THE ESTATES SUBDIVISION V.14, PG.80
5. NELSON SHORT PLAT V.2, PG.49
6. NESPER SHORT PLAT V.18, PG.35
7. SANDERS SHORT PLAT V.23, PG.90
8. SPRAGUE SHORT PLAT V.6, PG.34
9. EATON SHORT PLAT V.7, PG.34
10. HYMER SHORT PLAT V.15, PG.53
11. BRADY SHORT PLAT V.14, PG.82
12. KETTEL SHORT PLAT V.16, PG.35
13. RECOD OF SURVEY (SEPTEMBER 1980) V.5, PG.113
14. RECORD OF SURVEY (MARCH 1983) V.8, PG.130
15. RIGHT OF WAY DEED AFN 322015

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

1.E: 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

2A: BASIS OF ELEVATIONS: WSDOT BRASS DISK GP05101-1.

2B: PURPOSE OF SURVEY: WILSON ENGINEERING PERFORMED THIS SURVEY DURING JULY AND AUGUST, 2023, AT THE REQUEST OF THE CITY OF SEQUIM PURSUANT TO DESIGNING ROAD AND UTILITY IMPROVEMENTS. THIS SURVEY PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT, AND EASEMENTS AND RESTRICTIONS MAY EXIST NOT SHOWN HEREON.

2C: SOURCE OF CONTOURS: DEPICTED CONTOURS WERE GENERATED FROM DIRECT FIELD OBSERVATIONS.

2D: CONTOUR INTERVAL LABELING: MAJOR CONTOURS AT 5-FOOT INTERVALS HAVE BEEN EXPLICITLY LABELED

2E: DESCRIPTION OF BENCHMARKS SET PURSUANT TO THIS SURVEY: REFER TO THE ACCOMPANYING "CONTROL TABLE" FOR COORDINATES, ELEVATION, AND DESCRIPTION OF ON-SITE CONTROL SET PURSUANT TO THIS SURVEY.

2F: ELEVATION AND/OR CONTOUR ACCURACY: IF CONTOURS HAVE BEEN DEPICTED ON THE FACE OF THIS SURVEY, IT IS ANTICIPATED THAT 90% OF ANY MEASURED ELEVATION VALUE, 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. THAT IS, 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.

2G: STATEMENT OF USE: AS NOTED IN SECTION 2.B, THIS SURVEY WAS PREPARED FOR THE SPECIFIC PURPOSE OF ROADWAY AND UTILITY IMPROVEMENTS. IN THE COURSE OF PREPARING THIS SURVEY, PURSUANT TO THIS PURPOSE, ANCILLARY DATA NECESSARY TO ACCOMPLISH THIS SURVEYS INTENDED PURPOSE MAY HAVE BEEN CAPTURED. IN THE CASE OF THIS SURVEY BOUNDARY INFORMATION WAS CAPTURED, BUT THE DEPICTION OF SAME SHOULD NOT BE CONSIDERED AUTHORITATIVE.

2H: SOURCE OF CONTROLLING BOUNDARY INFORMATION: THE OWNERSHIP BOUNDARIES DEPICTED ON THIS SURVEY ARE BASED UPON SOME, OR ALL, OF THE DOCUMENTS ENUMERATED IN THE ACCOMPANYING "REFERENCE DOCUMENTS" AS THEREIN CHARACTERIZED. BEARINGS HAVE BEEN TRANSLATED AND/OR ROTATED FROM THE RECORD VALUES TO GRID BEARINGS.

3A: SOURCE OF DEPICTED UTILITY INFORMATION: UTILITY LINES DEPICTED ON THIS SURVEY ARE BASED UPON PAINT MARKS SET BY A.P.S. IN JULY, 2023.

3B: 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.

3C: STATEMENT OF LIMITATIONS REGARDING UTILITY-DEPICTION ACCURACY: (CLIENT) 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 TOPOGRAPHIC MAP WAS DONE AT THE REQUEST OF THE CITY OF SEQUIM IN 2023.

PAUL JONATHAN DARROW, P.L.S. NO. 50697 DATE

CONTROL NOTES

HORIZONTAL DATUM:
NAD83(91)
BASIS OF COORDINATES: COORDINATION AND MENSURATION ARE LOCAL GROUND VALUES, BASED UPON HOLDING THE PUBLISHED POSITION FOR THE MONUMENT MARKING THE SOUTHWEST CORNER OF SECTION 22, TOWNSHIP 30N, RANGE 3W, W.M. PER "CLALLAM COUNTY GEOMETRIC FRAMEWORK" RECORD OF SURVEY RECORDED IN VOLUME 40, PAGE 16, CLALLAM COUNTY AUDITOR'S FILE NO. 19981012102. SAID MONUMENT IS DESIGNATED AS CONTROL POINT #03302811.
NORTHING = 398,983.59 USFT
EASTING = 1,096,391.36 USFT

BASIS OF BEARINGS: BEARINGS ARE WASHINGTON STATE PLANE NORTH ZONE GRID BEARINGS, BASED UPON HOLDING THE AFOREMENTIONED RECORD OF SURVEY POSITIONS OF CONTROL POINTS #03302811 AND #03302721, BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER OF THE AFORMENTIONED SECTION 22.

THE DERIVED INVERSE BETWEEN SAID MONUMENTS # 03302811 AND # 03302721 IS **SOUTH 88° 17' 15" EAST**, AT A DISTANCE OF **2671.28 USFT**. THE RECORD COORDINATES FOR MONUMENT #03302721 ARE:

NORTHING = 398,904.28 USFT
EASTING = 1,099,061.46 USFT

VERTICAL DATUM:
NAVD88

BASIS OF ELEVATIONS: ELEVATIONS ARE NAVD88 VALUES, BASED UPON HOLDING THE PUBLISHED ELEVATION FOR WSDOT MONUMENT GP05101-1, BEING A WSDOT BRASS DISK MONUMENT SET IN A CONCRETE SIDEWALK. ELEVATIONS WERE TRANSFERRED TO SITE USING TRIMBLE R-12i GNSS RECEIVERS ON JULY 24TH & 27TH, 2023. SAID MONUMENT HAS THE FOLLOWING PUBLISHED NAVD88 ELEVATION:
ELEVATION = 143.34 USFT

ON-SITE SURVEY CONTROL TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	397,936.63	1,098,982.90	102.16	1/2" REBAR RED CONTROL CAP
101	398,297.04	1,098,494.79	119.68	1/2" REBAR RED CONTROL CAP
102	398,518.74	1,098,234.96	126.59	MAG NAIL AND WASHER
103	398,920.08	1,098,215.00	135.91	MAG NAIL AND WASHER
104	399,299.64	1,098,275.10	145.04	MAG NAIL AND WASHER
105	399,849.68	1,098,103.82	157.76	CONC MON
106	400,287.56	1,097,436.73	160.58	1/2" REBAR RED CONTROL CAP
107	400,314.24	1,096,970.28	165.40	MAG NAIL AND WASHER
108	400,328.72	1,096,454.46	175.30	MAG NAIL AND WASHER
109	400,348.96	1,095,764.94	192.01	1/2" REBAR RED CONTROL CAP
110	400,364.77	1,095,226.72	193.13	1/2" REBAR RED CONTROL CAP
111	400,420.36	1,094,480.42	173.64	1/2" REBAR RED CONTROL CAP
112	400,394.96	1,093,865.90	148.10	MAG NAIL AND WASHER
113	399,557.03	1,093,747.88	163.18	MONUMENT IN CASE
114	400,400.63	1,095,563.34	195.05	HUB AND NAIL
115	400,324.22	1,095,406.35	200.29	1/2" REBAR RED CONTROL CAP
117	400,333.70	1,095,052.17	191.52	1/2" REBAR RED CONTROL CAP
119	400,367.54	1,094,835.21	182.65	HUB AND NAIL
120	400,381.38	1,094,294.04	169.98	1/2" REBAR RED CONTROL CAP
121	398,538.52	1,093,854.25	182.02	HUB AND NAIL
122	398,626.69	1,093,772.71	169.26	1/2" REBAR RED CONTROL CAP
123	398,918.36	1,093,712.94	157.97	1/2" REBAR RED CONTROL CAP

ABBREVIATIONS USED

AF	=	AUDITOR'S FILE
AFN	=	AUDITOR'S FILE NUMBER
ASM	=	ALUMINUM SURFACE MONUMENT
℄	=	CENTERLINE
CONC	=	CONCRETE
CPP	=	CORRUGATED POLYETHYLENE PIPE
DLC	=	DONATION LAND CLAIM
E	=	EAST
ELEV	=	ELEVATION
FND	=	FOUND
INT	=	INTERSECTION
INV	=	INVERT
L	=	LENGTH
MON	=	MONUMENT
N	=	NORTH
NE	=	NORTHEAST
NW	=	NORTHWEST
R	=	RADIUS
R/W	=	RIGHT-OF-WAY
S	=	SOUTH
SE	=	SOUTHEAST
SW	=	SOUTHWEST
TYP	=	TYPICAL
W	=	WEST
WAC	=	WASHINGTON CODE
WSE	=	WILSON SURVEY/ENGINEERING

SURVEYOR'S NOTES

1. SECTION 22 POSSESSES TWO RIVAL INTERPRETATIONS FOR THE LOCATION OF THE EAST QUARTER CORNER. IN 1955 M.K. SNYDER SET AN IRON PIPE AT A THREE-WAY INTERSECTION OF FENCES. NO RECORDS WERE FOUND AS TO THE METHODS USED BY SNYDER, ALTHOUGH REFERENCES ARE MADE THAT THE METHOD WAS A FAILED ATTEMPT TO CALCULATE A SINGLE PROPORTION. IN 1956 J.U. WRIGHT DISCOVERED THE IRON PIPE, BUT DID NOT ACCEPT IT, AND DECIDED TO ESTABLISH THE EAST QUARTER CORNER USING A (CORRECT) SINGLE PROPORTION SOLUTION INSTALLING A CONCRETE MONUMENT SOUTH 81°40'25" WEST, 41.44 FEET FROM THE FENCE INTERSECTION AND IRON PIPE. FIELD NOTES FROM A MURRAY MCCORMICK SURVEY IN 1971 STATE "PROPERTY OWNERS ALL CLAIM TO THIS PIPE" REFERRING TO THE PIPE SET BY SNYDER. SURVEYORS MAINTAINED DISAGREEMENT ABOUT WHICH MONUMENT CORRECTLY REPRESENTED THE CORNER AND MULTIPLE PLATS, SHORT PLATS, AND SURVEYS WERE PERFORMED, SOME USING THE J.U. WRIGHT SOLUTION WHILE OTHERS HELD THE M.K. SNYDER SOLUTION WHICH HAS RESULTED IN GAPS AND OVERLAPS IN THE PROPERTY BOUNDARIES AS WELL AS DIFFERING INTERPRETATIONS AS TO THE LOCATION OF WEST SEQUIM BAY ROAD AND OTHER RIGHTS-OF-WAY WITHIN SECTION 22 AND 23. IN 1998 A CONSENSUS OF SURVEYORS PREPARED THE "CLALLAM COUNTY GEOMETRIC FRAMEWORK" RECORD OF SURVEY. THE IRON PIPE ORIGINALLY SET BY SNYDER HAD BEEN REPLACED AT THIS POINT BY VIT LISKUTIN WITH A 3" DIAMETER ALUMINUM CAP ON A REBAR AND THE J.U. WRIGHT MONUMENT HAD BEEN DESTROYED BY THE CONSTRUCTION OF THE PLAT OF SUN MEADOWS. THIS GROUP OF FIVE SURVEYORS RECOMMENDED THAT THE IRON PIPE SET BY LISKUTIN AND REPRESENTING THE SNYDER LOCATION BE HELD AS A "POINT OF LOCAL CONTROL". THE PURPOSE OF THIS TOPOGRAPHIC SURVEY IS NOT TO RESOLVE THESE BOUNDARIES, BUT IT MUST DISCLOSE THE EXISTENCE OF THE DISCREPANCY.

2. THIS SURVEY RELIED ON THE "OLD HIWAY EAST OF SEQUIM" PLANS APPROVED JULY 5, 1961 TO DETERMINE RIGHT-OF-WAY DIMENSIONS. A SCALED LOCATION OF THE RIGHT-OF-WAY IS REPRESENTED AS THE "PROJECT CENTERLINE--WEST SEQUIM BAY ROAD" ALIGNMENT. THE RIGHT-OF-WAY OF WEST SEQUIM BAY ROAD WAS RECREATED FROM AVAILABLE ON-LINE SOURCES AND DEEDS SUPPLIED BY THE CLALLAM COUNTY AUDITOR, AS CHARACTERIZED IN THE REFERENCE DOCUMENTS, BUT THE ROAD SECTION BETWEEN JUNCO ROAD AND FOREST ROAD RELIED ENTIRELY ON THE AS-BUILT LOCATION OF THE CENTERLINE.

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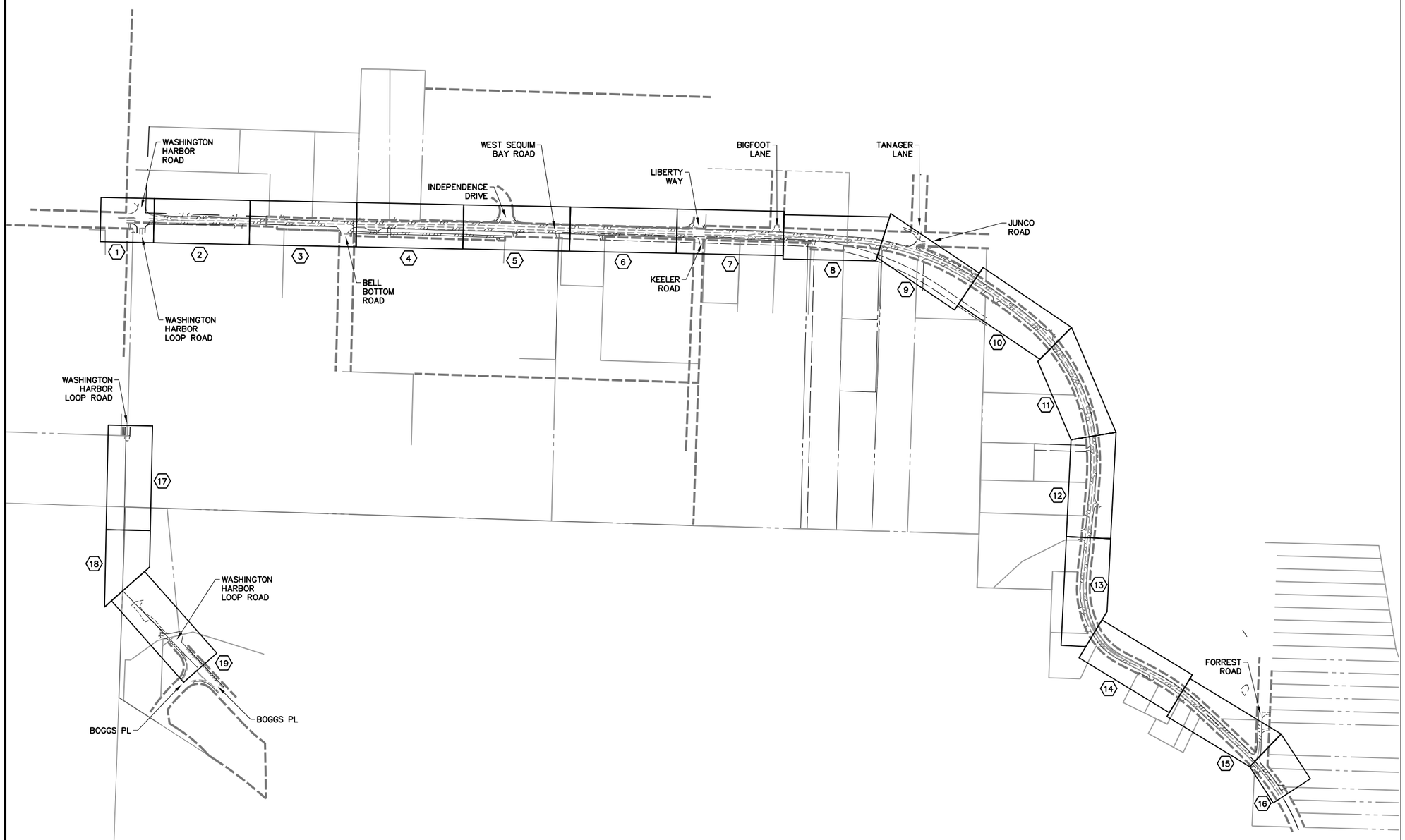
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	XXX	PJD

CITY OF SEQUIM
WEST SEQUIM BAY ROAD CORRIDOR PROJECT
SEQUIM WASHINGTON
WAC 332-130 COMPLIANCE

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET G1.05 PAGE 5 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
W:\2023\2023-069 WEST SEQUIM BAY RD CORRIDOR\DWG\2022_2023-069 00.05 WAC.DWG - 2/23/2024 11:36 AM - Jeff Smith



NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = SHEET C1.01, EXISTING CONDITIONS SHEET C5.01, SANITARY & FORCE MAIN
2. = SHEET C1.01, EXISTING CONDITIONS SHEET C5.02, SANITARY & FORCE MAIN
3. = SHEET C1.02, EXISTING CONDITIONS SHEET C5.03, SANITARY & FORCE MAIN
4. = SHEET C1.02, EXISTING CONDITIONS SHEET C5.04, SANITARY & FORCE MAIN
5. = SHEET C1.03, EXISTING CONDITIONS SHEET C5.05, SANITARY & FORCE MAIN SHEET C6.01, WATER
6. = SHEET C1.03, EXISTING CONDITIONS SHEET C5.06, SANITARY & FORCE MAIN SHEET C6.02, WATER
7. = SHEET C1.04, EXISTING CONDITIONS SHEET C5.07, SANITARY & FORCE MAIN SHEET C6.03, WATER
8. = SHEET C1.04, EXISTING CONDITIONS SHEET C5.08, SANITARY & FORCE MAIN SHEET C6.04, WATER
9. = SHEET C1.05, EXISTING CONDITIONS SHEET C5.09, SANITARY & FORCE MAIN SHEET C6.05, WATER
10. = SHEET C1.05, EXISTING CONDITIONS SHEET C5.10, SANITARY & FORCE MAIN SHEET C6.06, WATER
11. = SHEET C1.06, EXISTING CONDITIONS SHEET C5.11, SANITARY & FORCE MAIN
12. = SHEET C1.06, EXISTING CONDITIONS SHEET C5.12, SANITARY & FORCE MAIN
13. = SHEET C1.07, EXISTING CONDITIONS SHEET C5.13, SANITARY & FORCE MAIN
14. = SHEET C1.07, EXISTING CONDITIONS SHEET C5.14, SANITARY & FORCE MAIN
15. = SHEET C1.08, EXISTING CONDITIONS SHEET C5.15, SANITARY & FORCE MAIN
16. = SHEET C1.08, EXISTING CONDITIONS
17. = SHEET C1.09, EXISTING CONDITIONS SHEET C6.07, WATER
18. = SHEET C1.09, EXISTING CONDITIONS SHEET C6.08, WATER
19. = SHEET C1.10, EXISTING CONDITIONS SHEET C6.09, WATER

N

250 0 250 500
SCALE HORIZONTAL SCALE FEET

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CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

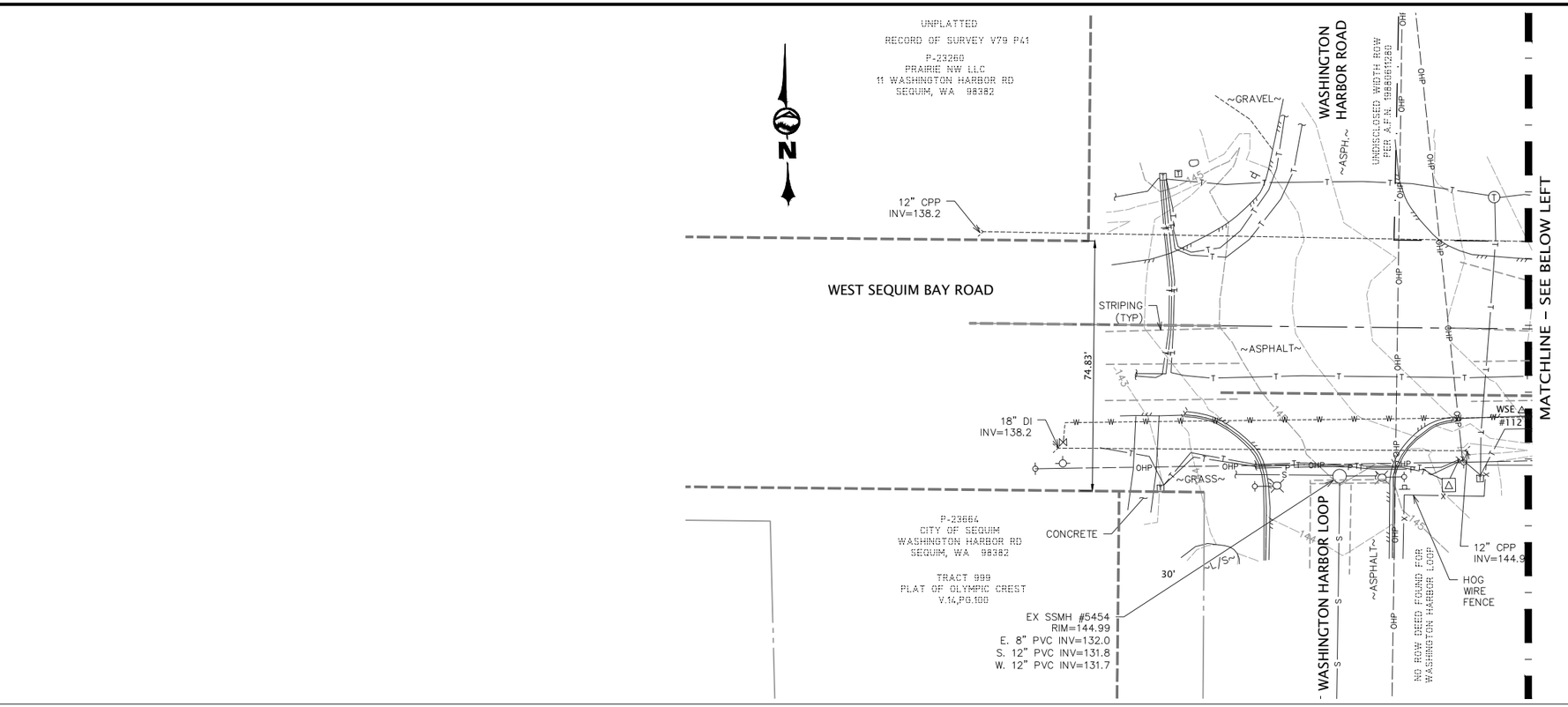
SEQUIM WASHINGTON

OVERALL SHEET LAYOUT

DATE 2-23-2024 | SCALE AS SHOWN | JOB NUMBER 2023-069

SHEET G1.06 | PAGE 6 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
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CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT
SEQUIM WASHINGTON

EXISTING CONDITIONS 1

20 0 20 40
SCALE HORIZONTAL SCALE FEET

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DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET	PAGE
C1.01	7 OF X

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UNPLATTED

P-23339
ROSS AND ANDUL ROBINSON
741 W SEQUIM BAY RD
SEQUIM, WA 98382

NELSONS SP V2, P49

P-23356
LEWIS G AND BECKY L GODBY TTES
855 W SEQUIM BAY RD
SEQUIM, WA 98382

NELSONS SP V2, P49

P-23353
HUGH W BRECHTEL
871 W SEQUIM BAY RD
SEQUIM, WA 98382

MATCHLINE – SEE SHEET C1.01, BOTTOM RIGHT

MATCHLINE – SEE BELOW LEFT

12" CPP INV=171.2

12" CPP INV=171.6

WSE #111

12" CPP INV=172.5

~ASPHALT~

WEST SEQUIM BAY ROAD

STRIPING

26'

20'

30'

OHP

HOG WIRE FENCE

12" CPP INV=173.6

APPROXIMATE EXISTING WATERLINE LOCATION

30' ROW PER AFN 324195

BOUNDARY LINE AGREEMENT AFN 2013-1300214

COULD NOT LOCATE END OF PIPE

6" PVC INV=177.0

12" CONC INV=178.1

~GRAVEL~

12" CPP INV=178.9

12" CPP INV=177.9

"BURIED POWER" SIGNS

EX SDAD #4729
RIM=181.77
E. 6" PVC INV=180.8
W. 6" PVC INV=180.9
S.(OUT)6" PVC INV=180.8
SUMP=180.4

BELL BOTTOM ROAD (PVT.)

GAP/OVERLAP CREATED BY J.U. WRIGHT SOLUTION V74, P.71 SURVEYS

GRASS

CONCRETE

COMBINATION RELEASE VALVE

30'

40'

P-83295
FREDERICK O GRANT TTE
792 W SEQUIM BAY RD
SEQUIM, WA 98382

RECORD OF SURVEY V74, P71

P-83154
FUN JUN HE AND LIEN LAM
BELL BOTTOM RD
SEQUIM, WA 98382

RECORD OF SURVEY V74, P71

NESPER SP V18, P35

P-23358
JAMES R SHINGLETON III AND
BRIDGET G SHINGLETON
901 W SEQUIM BAY RD
SEQUIM, WA 98382

SANDERS SP V23, P90

P-23360
SUSAN A KREML
945 W SEQUIM BAY RD
SEQUIM, WA 98382

SUN MEADOWS V12, P63

P-23399
SUN MEADOWS HOMEOWNERS
LIBERTY ST
SEQUIM, WA 98382

MATCHLINE – SEE ABOVE RIGHT

MATCHLINE – SEE SHEET C1.03 TOP LEFT

CONCRETE

EX SDCB #4555
TYPE 1
RIM=182.53
E 12" CPP INV=178.9
W 12" CONC INV=178.7
SUMP=177.9

EX SDCB #4572
TYPE 1
RIM=185.49
E 6" PVC INV=182.6
W 12" CPP INV=181.9
SUMP=180.7

SPLIT RAIL FENCE

GRAVEL

BRICK PILLAR (TYP)

WOOD FENCE

WEST SEQUIM BAY ROAD

STRIPING

~ASPHALT~

27'

32'

52'

WSE #110

WSE #117

ROW OF 6"-8" CONIFERS

COULD NOT LOCATE PIPE

CONCRETE

12" CPP INV=183.0

12" CPP INV=183.9

12" CPP INV=185.1

12" CONC INV=191.8

12" CONC INV=192.0

P-23613
THE ESTATES SUBDIVISION
COMMUNITY ASSOCIATION
SEQUIM, WA 98382

THE ESTATES SUBDIVISION V14, P80

20 0 20 40
SCALE HORIZONTAL SCALE FEET

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CITY OF SEQUIM
SEQUIM WASHINGTON

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

EXISTING CONDITIONS 2

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C1.02

PAGE 8 OF X

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SUN MEADOWS V12, P63

P-23399
SUN MEADOWS HOMEOWNERS
LIBERTY ST
SEQUIM, WA 98382

EX SDCB #3927
TYPE 1 SOLID RIM
RIM=195.21
W 6" PVC INV=191.5
E 6" PVC INV=191.6
S 12" OCNC INV=191.5
SUMP=191.4

INDEPENDENCE DRIVE
(PRIVATE ROAD)

BRICK PILLAR (TYP)

WOOD FENCE

~GRAV.~

WSE #114

~ASPHALT~

WEST SEQUIM BAY ROAD

VERTICAL 18" CONC. DRAIN PIPE
RIM=197.2

STRIPING

8" CONC
INV=197.2

12" CONC
INV=192.2

12" CONC
INV=194.6

12" CONC
INV=194.5

ROW PER AFN 319894

CONCRETE

WSE #115

ARBORVITAE HEDGEROW

EX SDCB #4062
TYPE 1
RIM=202.06
S 12" PVC INV=201.8
W 6" PVC INV=200.1
N 8" CONC (OUT) INV=200.1
SUMP=199.0

P-23613
THE ESTATES SUBDIVISION
COMMUNITY ASSOCIATION
SEQUIM, WA 98382

THE ESTATES SUBDIVISION V14, P80

P-23387
KRISTEN AND MATTHEW J ROSEY
1032 W SEQUIM BAY RD
SEQUIM, WA 98382

UNPLATTED
RECORD OF SURVEY V78 P24

12" CONC
INV=191.0

12" CONC
INV=190.6

WSE #109

CAP/OVERLAP CREATED BY
J.U. WRIGHT SOLUTION
V71, P68 SURVEYS

MATCHLINE – SEE SHEET C1.02 BOTTOM RIGHT

MATCHLINE – SEE BELOW LEFT

SUN MEADOWS V12, P63

P-23399
SUN MEADOWS HOMEOWNERS
LIBERTY ST
SEQUIM, WA 98382

MAILBOX

WOOD FENCE

BRICK PILLAR (TYP)

STRIPING

WEST SEQUIM BAY ROAD

~ASPHALT~

~GRAV.~

#B-4

ROW PER AFN 321843

ROW PER AFN 322015

12" CONC
INV=188.0

12" CONC
INV=184.4

BARBED WIRE FENCE

P-23383
GLEN T OLIVERA
1110 W SEQUIM BAY RD
SEQUIM, WA 98382

UNPLATTED
RECORD OF SURVEY V71 P68

P-23382
DAVID K AND BRANDIE RENEE EVANS
KEELER RD
SEQUIM, WA 98382

UNPLATTED

MATCHLINE – SEE SHEET C1.04 TOP LEFT

20 0 20 40
SCALE HORIZONTAL SCALE FEET

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CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

SEQUIM WASHINGTON

EXISTING CONDITIONS 3

DATE	SCALE	JOB NUMBER
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SHEET C1.03

PAGE 9 OF X

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SUN MEADOWS V12, P63

P-23399
SUN MEADOWS HOMEOWNERS
LIBERTY ST
SEQUIM, WA 98382

DILTZ SP V7 P98

P-23835
RONALD AND GAYLE COLE
21 BIGFOOT LN
SEQUIM, WA 98382

MATCHLINE – SEE SHEET C1.03 BOTTOM RIGHT

MATCHLINE – SEE BELOW LEFT

LIBERTY WAY (PVT.)

BIGFOOT LANE (PVT.)

BRICK PILLAR (TYP)

BRICK WALL

12" CONC INV=174.9

RIVER ROCK

BRICK WALL

~GRAVEL~

CONCRETE

COULD NOT LOCATE PIPE

CHAINLINK FENCE

12" CONC INV=165.5

~GRAVEL~

~ASPHALT~

STRIPING (TYP)

STRIPING

WEST SEQUIM BAY ROAD

~ASPHALT~

12" CONC INV=164.9

WSE #108

~ASPHALT~

12" CONC INV=165.7

BARBED WIRE FENCE

12" CONC INV=174.2

ROW PER A.F.N. 322015

KEELER ROAD

12" CONC INV=174.3

BARBED WIRE FENCE

ROW PER AFN 322015

VEHICLE ACCESS

P-23382
DAVID K AND BRANDIE RENEE EVANS
KEELER RD
SEQUIM, WA 98382

UNPLATTED

P-23842
JANE M NOWICKI TRUST
KEELER RD
SEQUIM, WA 98382

UNPLATTED

P-23844
DANA AND SHERYL CALDART
OVER ST
SEQUIM, WA 98382

UNPLATTED

LOT 30
OFFICIAL PLAT OF THE SURVEY OF SECTION 22, TOWNSHIP 30 NORTH, RANGE 3 WEST ON FILE IN THE BUREAU OF LAND MANAGEMENT

P-23823
WARREN M MECCA
22 BIGFOOT LN
SEQUIM, WA 98382

RECORD OF SURVEY V72 P26

P-23829
MICHAEL GUY CHAMBERS
13 TANAGER LN
SEQUIM, WA 98382

ROW PER AFN 324599

~TREES AND SHRUBS~

~TREES & SHRUBS~

MATCHLINE – SEE ABOVE RIGHT

MATCHLINE – SEE SHEET C1.05 TOP LEFT

STRIPING (TYP)

~ASPHALT~

STRIPING

WEST SEQUIM BAY ROAD

~ASPHALT~

~GRAVEL~

~CONC.~

WSE #107

12" CONC INV=165.2

12" CMP INV=164.4

12" CMP INV=164.2

12" CONC INV=164.0

12" CONC INV=164.0

4" CPP INV=164.9

12" CMP INV=158.9

12" CMP INV=158.4

OVER STREET (PVT.)

GAP/OVERLAP CREATED BY J.U. WRIGHT SOLUTION V69, P4 SURVEYS

BAY RIDGE PLACE (PVT.)

30' EASEMENT FOR INGRESS, EGRESS, AND UTILITIES PER DEED, V919, P375

ROW PER AFN 322015

P-23844
DANA AND SHERYL CALDART
OVER ST
SEQUIM, WA 98382

UNPLATTED

P-23848
MICHAEL AND AMY ORIQUE
91 BAY RIDGE PL
SEQUIM, WA 98382

UNPLATTED

RECORD OF SURVEY V66 P4

P-83517
YU HUI AND SHIRLEY LAM
1350 W SEQUIM BAY RD
SEQUIM, WA 98382

20 0 20 40
SCALE HORIZONTAL SCALE FEET

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CITY OF SEQUIM
WEST SEQUIM BAY ROAD CORRIDOR PROJECT
SEQUIM WASHINGTON
EXISTING CONDITIONS 4

DATE	SCALE	JOB NUMBER
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SHEET C1.04

PAGE 10 OF X

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RECORD OF SURVEY V72 P26

P-23829
MICHAEL GUY CHAMBERS
13 TANAGER LN
SEQUIM, WA 98382

TANAGER LANE

JUNCO ROAD

KUSS SP V17 P83

P-85632
RANDY AND KAREN KENT
1451 W SEQUIM BAY RD
SEQUIM, WA 98382

VEHICLE ACCESS THROUGH FENCE

CENTERLINE DRIVEWAY

CENTERLINE DRIVEWAY

CHAINLINK FENCE

~GRAVEL~

~L/S~

~GRAVEL~

~GRAVEL~

~GRAVEL~

STRIPING

STRIPING

STRIPING

~ASPHALT~

~ASPHALT~

~ASPHALT~

~TREES & SHRUBS~

~GRAVEL~

WSE
#106

ROW PER AFN 322444

15" CMP
INV=157.7

WEST SEQUIM BAY ROAD

~ASPHALT~

12" CPP
INV=159.3

CAP OVERLAP CREATED BY V.1, P.23 SHORT PLATS

SAILORS LANE
(PVT.)

12" CPP
INV=159.1

6' WOOD
FENCE

MATCHLINE – SEE SHEET C1.04 BOTTOM RIGHT

MATCHLINE – SEE BELOW LEFT

MCQUAKER SP V1 P25

P-23853
MICHAEL G AND MERRI A LANNOYE
1360 W SEQUIM BAY RD
SEQUIM, WA 98382

12" CONC
INV=159.5

30' EASEMENT FOR INGRESS, EGRESS, AND UTILITIES PER KUSS SP V17, P83

KUSS SP V17 P83

P-85633
DARREN E AND POLLY J KADEL
53 SAILOR'S LN
SEQUIM, WA 98382

30' ROW PER AFN 322015

COULD NOT LOCATE END Of PIPE
15" CMP
INV=158.2

PLAT BOUNDARY PER MCQUAKER SP, V1 P25
PLAT BOUNDARY PER LAM SP, V34 P96
PLAT BOUNDARY PER CLALLAM COUNTY GEODETIC FRAMEWORK

RECORD OF SURVEY V7 P120
UNPLATTED

P-23871
BATELLE MEMORIAL INSTITUTE
1683 W SEQUIM BAY RD
SEQUIM, WA 98382

CHAINLINK FENCE

VEHICLE ACCESS

~GRAVEL~

~ASPHALT~

STRIPING

STRIPING

STRIPING

WEST SEQUIM BAY ROAD

~ASPHALT~

~ASPHALT~

~GRAVEL~

12" CMP
INV=157.1

VEHICLE ACCESS

12" CMP
INV=156.6

12" CMP
INV=156.3

12" CMP
INV=156.3

MATCHLINE – SEE ABOVE RIGHT

MATCHLINE – SEE SHEET C1.06 TOP LEFT

6' WOOD FENCE

HOGWIRE FENCE

RECORD OF SURVEY V90 P70

P-23877
DOUGLAS AND TERI PRICE
1494 W SEQUIM BAY RD
SEQUIM, WA 98382

20 0 20 40
SCALE HORIZONTAL SCALE FEET

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CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

SEQUIM WASHINGTON

EXISTING CONDITIONS 5

SHEET	DATE	SCALE	JOB NUMBER
C1.05	2-23-2024	AS SHOWN	2023-069

PAGE 11 OF X

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RECORD OF SURVEY V7 P120
UNPLATTED

P-23871
BATELLE MEMORIAL INSTITUTE
1683 W SEQUIM BAY RD
SEQUIM, WA 98382

CHAINLINK FENCE

WSE #105

#B-3

STRIPING

WEST SEQUIM BAY ROAD

~ASPHALT~

~GRAVEL~

12" CPP INV=148.1

12" CPP INV=146.7

HOGWIRE FENCE

6' WOOD FENCE

MATCHLINE – SEE SHEET C1.05 BOTTOM RIGHT

MATCHLINE – SEE BELOW LEFT

P-23877
DOUGLAS AND TERI PRICE
1494 W SEQUIM BAY RD
SEQUIM, WA 98382

RECORD OF SURVEY V90 P70

P-23878
TERRY WAYNE AND KRISTI LOIS
STEBEN FAMILY TRUST
1596 W SEQUIM BAY RD
SEQUIM, WA 98382

BANCHERO SP V20 P17

UNPLATTED

RECORD OF SURVEY V7 P120

P-23871
BATELLE MEMORIAL INSTITUTE
1683 W SEQUIM BAY RD
SEQUIM, WA 98382

WSE #104

~VEGETATION~

~GRAVEL~

~ASPHALT~

~GRAV.~

WEST SEQUIM BAY ROAD

STRIPING

12" CONC INV=145.2

12" CONC INV=142.4

12" CONC INV=141.9

HOGWIRE FENCE

12" CMP INV=136.8

12" CMP INV=136.1

SPLIT RAIL FENCE

12" CMP INV=135.5

GRASS

ACCESS & UTIL. ESMT.

MATCHLINE – SEE ABOVE RIGHT

MATCHLINE – SEE SHEET C1.07 TOP LEFT

P-23874
TERRIE L. TAMBLYN
1632 W SEQUIM BAY RD
SEQUIM, WA 98382

SAHAR SP V12 P67

P-23875
RICHARD JOHN SMITH JR
1696 W SEQUIM BAY RD
SEQUIM, WA 98382

SAHAR SP V12 P67

P-24199
JEFF AND LISA FAIRCHILD
1716 W SEQUIM BAY RD
SEQUIM, WA 98382

SAHAR ACRES SP V28 P14

20 0 20 40
SCALE HORIZONTAL SCALE FEET

811 Call 811 two business days before you dig

60% DESIGN

WILSON ENGINEERING
WILSONENGINEERING.COM

STEPHAN DARROW STATE OF WASHINGTON 20018 REGISTERED PROFESSIONAL LAND SURVEYOR
PRELIMINARY
1/8/24

DESIGNED BY	DRAWN BY	CHECKED BY
SJW	JGS	XXX

CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

SEQUIM WASHINGTON

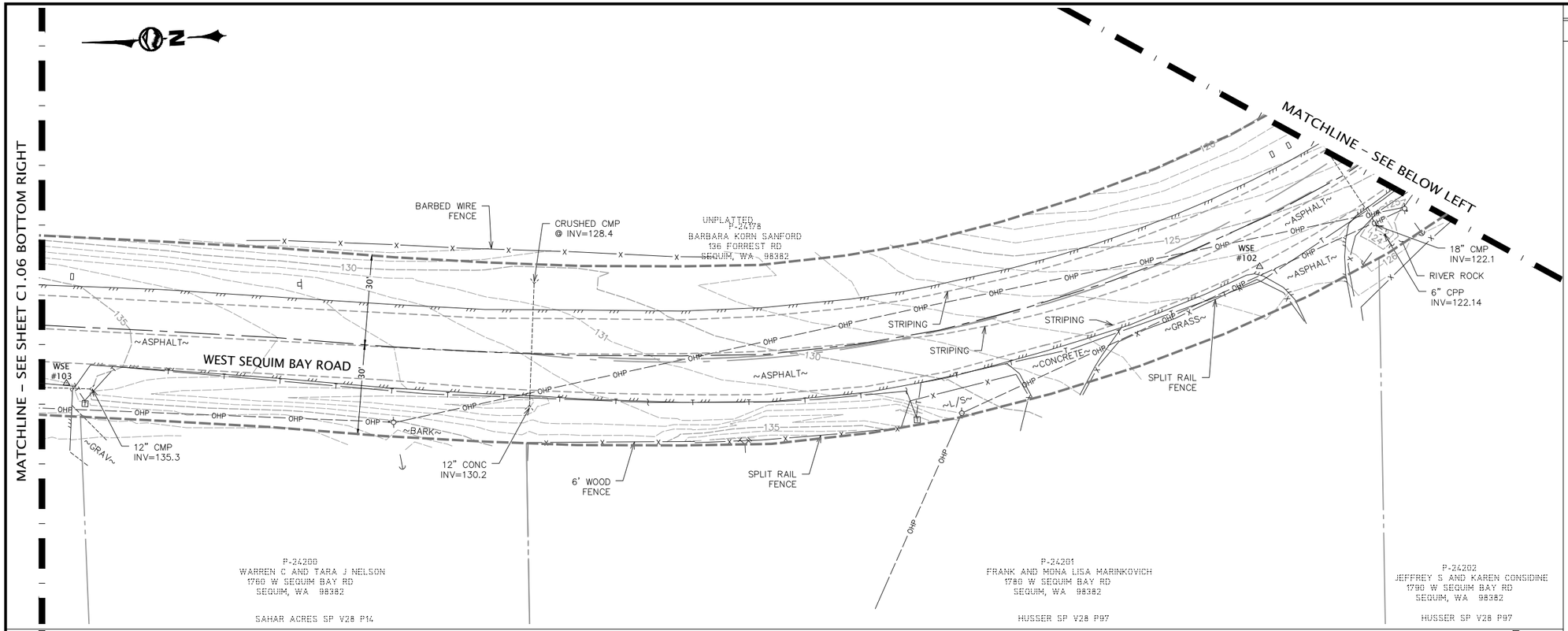
EXISTING CONDITIONS 6

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C1.06

PAGE 12 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
W:\2023\2023-069 WEST SEQUIM BAY RD CORRIDOR\DWG\V2022_2023-069 C1.01 EXISTING CONDITIONS.DWG – 2/23/2024 11:38 AM – Jeff Smith



NO.	REVISIONS	BY	DATE

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JONATHAN DARROW — STATE OF WASHINGTON — 21818 — REGISTERED PROFESSIONAL ENGINEER
PRELIMINARY

DESIGNED BY	DRAWN BY	CHECKED BY
SJW	JGS	XXX

CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

SEQUIM WASHINGTON

EXISTING CONDITIONS 7

20 0 20 40
SCALE HORIZONTAL SCALE FEET

811 Call 811 two business days before you dig

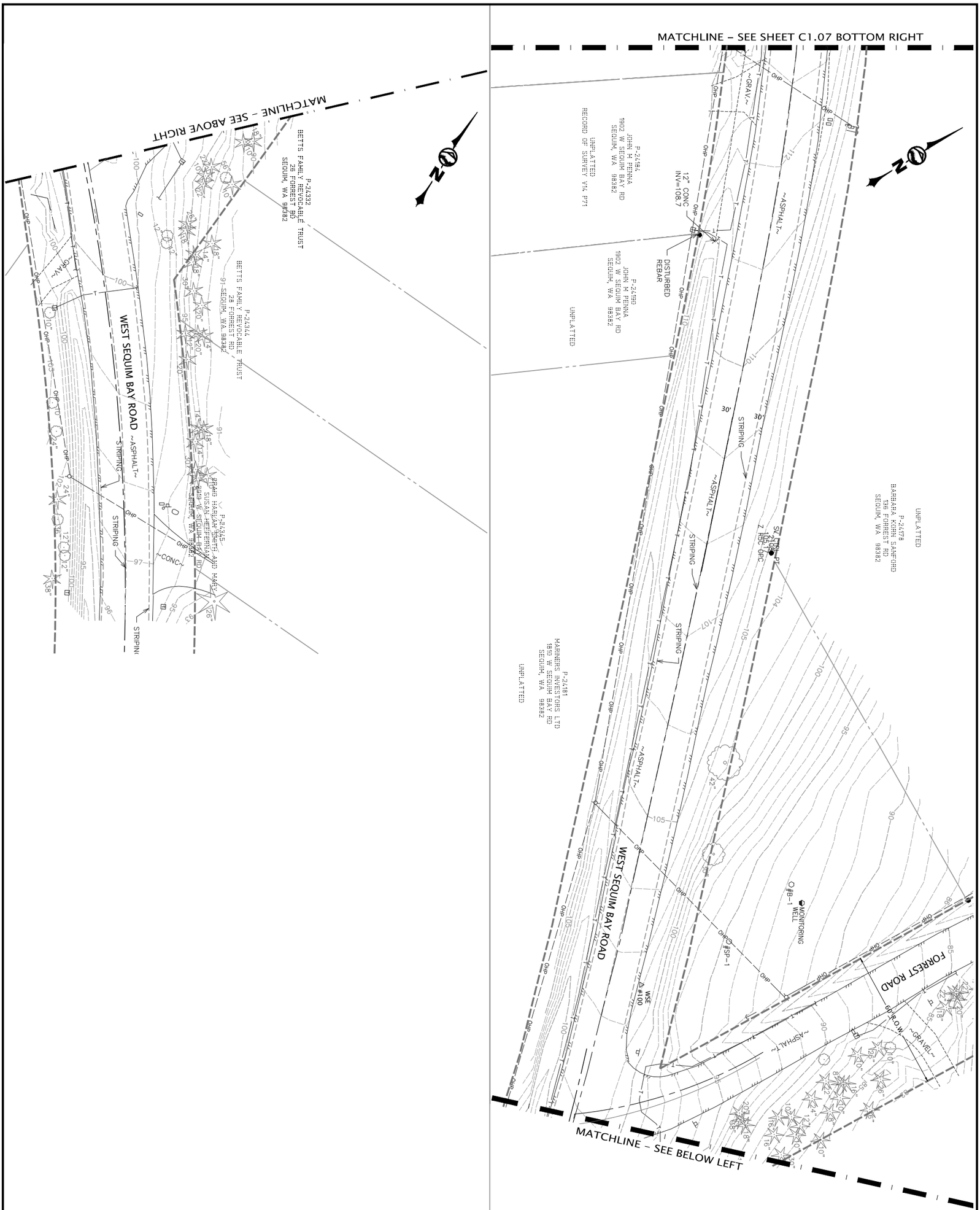
60% DESIGN

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET	PAGE
C1.07	13 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
W:\2023\2023-069 WEST SEQUIM BAY RD CORRIDOR\DWG\2022_2023-069 C1.01 EXISTING CONDITIONS.DWG – 2/23/2024 11:38 AM – Jeff Smith

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
W:\2023\2023-069 WEST SEQUIM BAY RD CORRIDOR\DWG\V2022_2023-069 C1.01 EXISTING CONDITIONS.DWG – 2/23/2024 11:39 AM – Jeff Smith



60% DESIGN

811 Call 811 two business days before you dig

SCALE HORIZONTAL SCALE FEET 20 0 20 40

NO.	REVISIONS	BY	DATE

SHEET	DATE	CITY OF SEQUIM	DESIGNED BY
C1.08	2-23-2024		SJW
PAGE	SCALE	SEQUIM WEST SEQUIM BAY ROAD CORRIDOR PROJECT WASHINGTON	DRAWN BY
14 OF X	AS SHOWN		JGS
	JOB NUMBER	EXISTING CONDITIONS 8	CHECKED BY
	2023-069		XXX

PRELIMINARY – NOT FOR CONSTRUCTION – JONATHAN DAVRON – STATE OF WASHINGTON – 24069 – REGISTERED PROFESSIONAL LAND SURVEYOR

WILSON ENGINEERING
WILSONENGINEERING.COM

UNPLATTED
RECORD OF SURVEY V74 P71 &
RECORD OF SURVEY V75 P23

P-83295
FREDERICK O GRANT TTE
792 W SEQUIM BAY RD
SEQUIM, WA 98382

EX SSMH #7658
RIM=160.50
S. 12" INV=149.7
W. 8" NV=149.9
N. 12" INV=149.6

TOP OF STANDPIPE
EL=164.79

HOGWIRE FENCE

WASHINGTON HARBOR LOOP

TOP OF NUT
EL =161.50

~GRAVEL~

~ASPHALT~

~CONCRETE~

FENCE

6' WOOD FENCE

~GRASSY PASTURE~

HOGWIRE FENCE

CHAINLINK FENCE

CHAINLINK FENCE

BULL PEN

~GRASSY PASTURE~

~GRASSY PASTURE~

MATCHLINE – SEE BELOW LEFT

LOT 1
OLYMPIC CREST
V14 P100

P-23327
FREDERICK O GRANT TTE
W SEQUIM BAY RD
SEQUIM, WA 98382

UNPLATTED

BOGGS SP V13 P2

P-24487
ROBERT E AND EDITHANNE RITTENHOUSE TTES
301 WASHINGTON HARBOR LOOP
SEQUIM, WA 98382

24" CPP
INV=157.0

EX SSMH #7435
RIM=162.89
S. 12" INV=152.4
N. 12" INV=152.3

~VEGETATION~

24" CPP
W/FLOOD GATE
INV=156.5

~GRASSY PASTURE~

~GRASSY PASTURE~

~GRASSY PASTURE~

WSE #123

MATCHLINE – SEE ABOVE RIGHT

MATCHLINE – SEE SHEET C1.10 TOP LEFT

20 0 20 40
SCALE HORIZONTAL SCALE FEET

Call 811 two business days before you dig

60% DESIGN

NO.	REVISIONS	BY	DATE

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WILSONENGINEERING.COM

PRELIMINARY
NATHAN DARROW
STATE OF WASHINGTON
PROFESSIONAL ENGINEER

DESIGNED BY	DRAWN BY	CHECKED BY
SJW	JGS	XXX

CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT
SEQUIM WASHINGTON

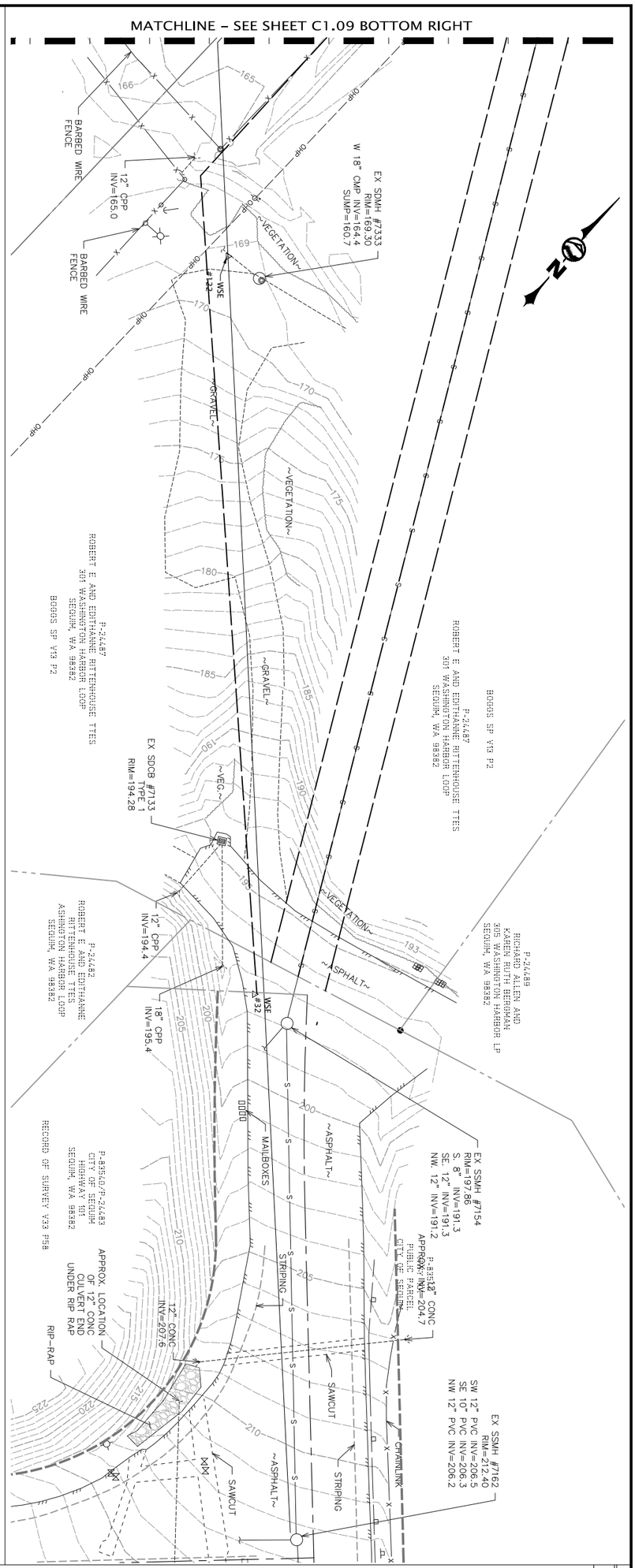
EXISTING CONDITIONS 9

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET	PAGE
C1.09	15 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
W:\2023\2023-069 WEST SEQUIM BAY RD CORRIDOR\DWG\V2022_2023-069 C1.01 EXISTING CONDITIONS.DWG – 2/23/2024 11:39 AM – Jeff Smith

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
W:\2023\2023-069 WEST SEQUIM BAY RD CORRIDOR\DWG\V2022_2023-069 C1.01 EXISTING CONDITIONS.DWG – 2/23/2024 11:39 AM – Jeff Smith



60% DESIGN

SCALE HORIZONTAL SCALE FEET
20 0 20 40

811 Call 811 two business days before you dig

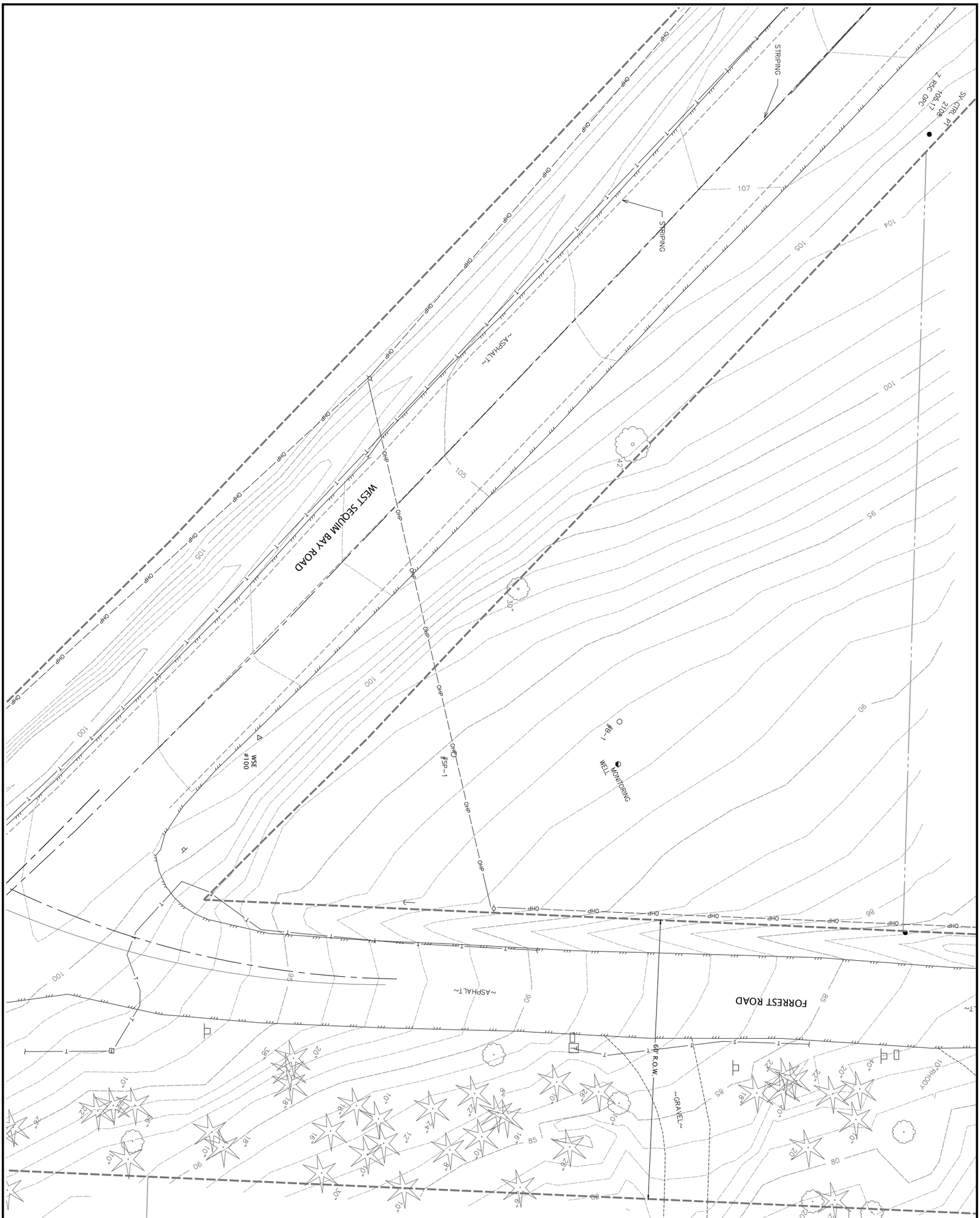
NO.	REVISIONS	BY	DATE

SHEET	DATE	CITY OF SEQUIM	DESIGNED BY
C1.10	2-23-2024		SJW
PAGE	SCALE	SEQUIM WASHINGTON	DRAWN BY
16 OF X	AS SHOWN	WEST SEQUIM BAY ROAD CORRIDOR PROJECT	JGS
	JOB NUMBER		CHECKED BY
	2023-069	EXISTING CONDITIONS 10	XXX

PRELIMINARY – NOT FOR CONSTRUCTION – JONATHAN DAVIDSON – STATE OF WASHINGTON – 22009 – REGISTERED PROFESSIONAL LAND SURVEYOR

WILSON ENGINEERING
WILSONENGINEERING.COM

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
W:\2023\2023-069 WEST SEQUIM BAY RD CORRIDOR\DWG\V2022_2023-069 C1.11 LIFT STATION 4 EXISTING SITE PLAN.DWG – 2/23/2024 11:39 AM – Jeff Smith



60% DESIGN

811 Call 811 Two business days before you dig

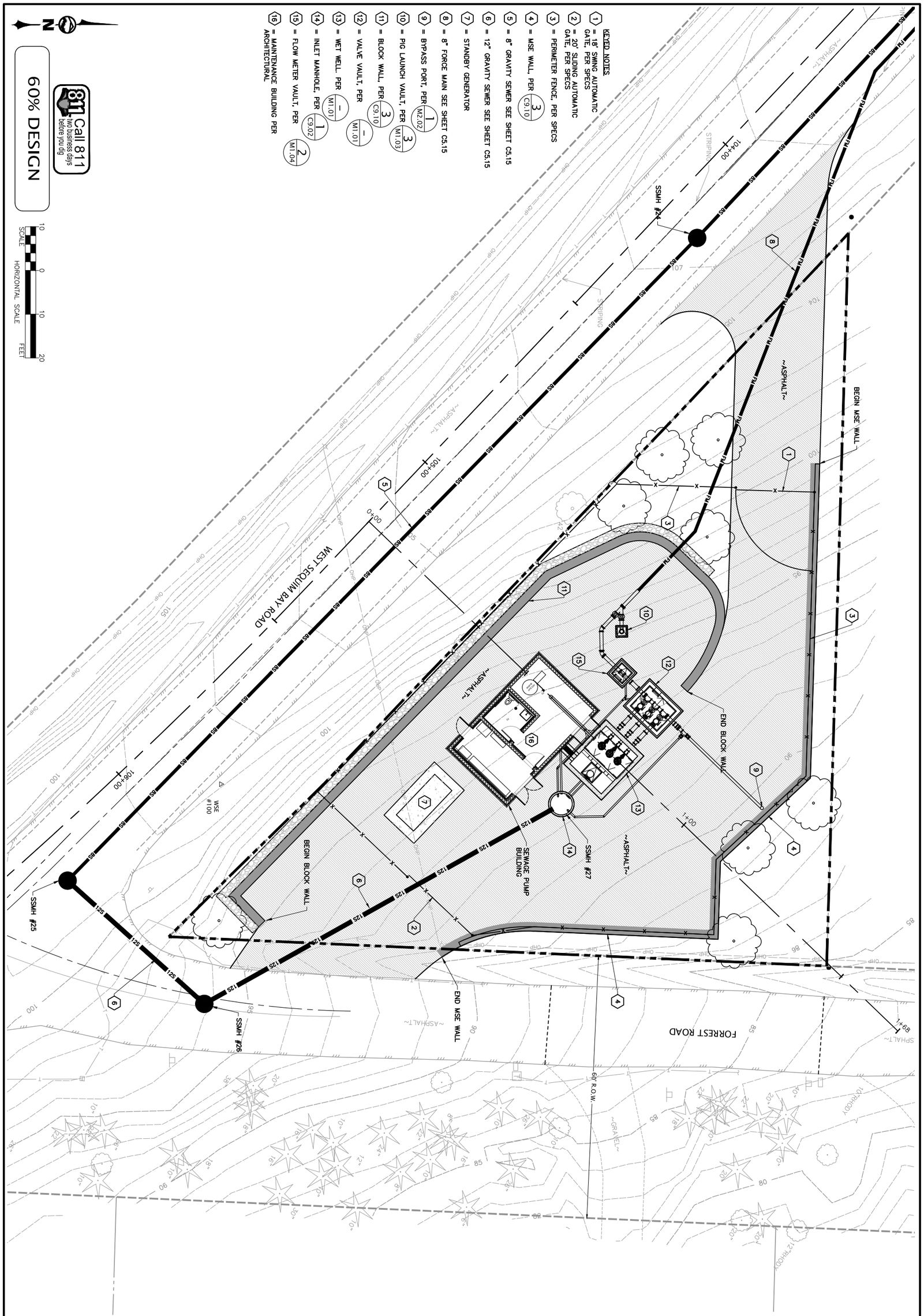
SCALE HORIZONTAL SCALE FEET 10 0 10 20

SHEET	DATE		DESIGNED BY
C1.11	2-23-2024	CITY OF SEQUIM	SJW
PAGE	SCALE	SEQUIM WASHINGTON	DRAWN BY
17 OF X	AS SHOWN	WEST SEQUIM BAY ROAD CORRIDOR PROJECT	JGS
	JOB NUMBER	LIFT STATION 4 EXISTING SITE PLAN	CHECKED BY
	2023-069		XXX

SCOTT JAMES WILSON — STATE OF WASHINGTON — 22887 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

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WILSONENGINEERING.COM

PLOT SETTINGS: RICOH 8X11- B&W.pc3, Letter, Portrait, 1:1.05, WE APWA_UNSCREENED.ctb
W:\2023\2023-069 WEST SEQUIM BAY RD CORRIDOR\DWG\V2022_2023-069 C4.02 LIFT STATION 4 PROPOSED SITE PLAN.DWG - 2/23/2024 4:39 PM - Jeff Smith



SHEET	DATE	CITY OF SEQUIM	DESIGNED BY
C1.12	2-23-2024		SJW
PAGE	SCALE	SEQUIM WASHINGTON	DRAWN BY
18 OF X	AS SHOWN	WEST SEQUIM BAY ROAD CORRIDOR PROJECT	WAH
	JOB NUMBER		CHECKED BY
	2023-069	LIFT STATION 4 PROPOSED SITE PLAN	XXX

SCOTT JAMES WILSON — STATE OF WASHINGTON — 48887 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY — NOT FOR CONSTRUCTION

WILSON ENGINEERING
WILSONENGINEERING.COM

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
W:\2023\2023-069 WEST SEQUIM BAY RD CORRIDOR\DWG\V2022_2023-069 C3.01 TRAFFIC CONTROL PLAN.DWG – 2/23/2024 11:40 AM – Jeff Smith



KEYED NOTES

1. W. SEQUIM BAY RD CLOSED FROM WA HARBOR LOOP RD TO FORREST RD LOCAL TRAFFIC ONLY — CUSTOM FABRICATION #1
2. W. SEQUIM BAY RD CLOSED FROM FORREST RD TO WA HARBOR LOOP RD LOCAL TRAFFIC ONLY — CUSTOM FABRICATION #2
3. DETOUR M4-8
4. ROAD CLOSED THRU TRAFFIC M4-4
5. ROAD CLOSED 1000 FT W20-5
6. DETOUR M4-8 M6-1(R)
7. END DETOUR M4-8a
8. DETOUR M4-8 M6-1(L)
9. DETOUR AHEAD W20-2

LEGEND

R1-1 SIGN & MUTCD IDENTIFYING CODE. LETTERING INDICATES DIRECTION SIGN IS VIEWED FROM

TYPE 3 BARRICADE PER WSDOT STANDARD PLAN K-80.20-00 (2006). INSTALL ACROSS FULL WIDTH OF ROAD. INSTALL EACH W/ FOUR FLASHING WARNING LIGHTS (TYPE A, MUTCD).

811 Call 811 two business days before you dig

SCALE HORIZONTAL SCALE FEET 600 0 600 1200

60% DESIGN

NO.	REVISIONS	BY	DATE

SHEET	DATE	CITY OF SEQUIM	DESIGNED BY
C3.01	2-23-2024	SEQUIM WASHINGTON	SJW
PAGE	SCALE	WEST SEQUIM BAY ROAD CORRIDOR PROJECT	DRAWN BY
24 OF X	AS SHOWN	TRAFFIC CONTROL PLAN	JGS
	JOB NUMBER		CHECKED BY
	2023-069		XXX

PRELIMINARY — CURTIS D. SCHROEDER — 46421 — REGISTERED PROFESSIONAL ENGINEER — STATE OF WASHINGTON

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WILSONENGINEERING.COM

NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = 12" PVC D3034 SDR 26 SANITARY SEWER MAIN
2. = CONNECT TO EXISTING SANITARY SEWER MANHOLE

20 0 20 40
SCALE FEET
HORIZONTAL SCALE

5 0 5 10
SCALE FEET
VERTICAL SCALE

811 Call 811 two business days before you dig

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JAMES WILSON STATE OF WASHINGTON 28881 REGISTERED PROFESSIONAL ENGINEER
PRELIMINARY

DESIGNED BY	DRAWN BY	CHECKED BY
SJW	JGS	XXX

CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT
SEQUIM WASHINGTON

SEWER PLAN & PROFILE – WEST SEQUIM BAY ROAD STA 37+00–39+35

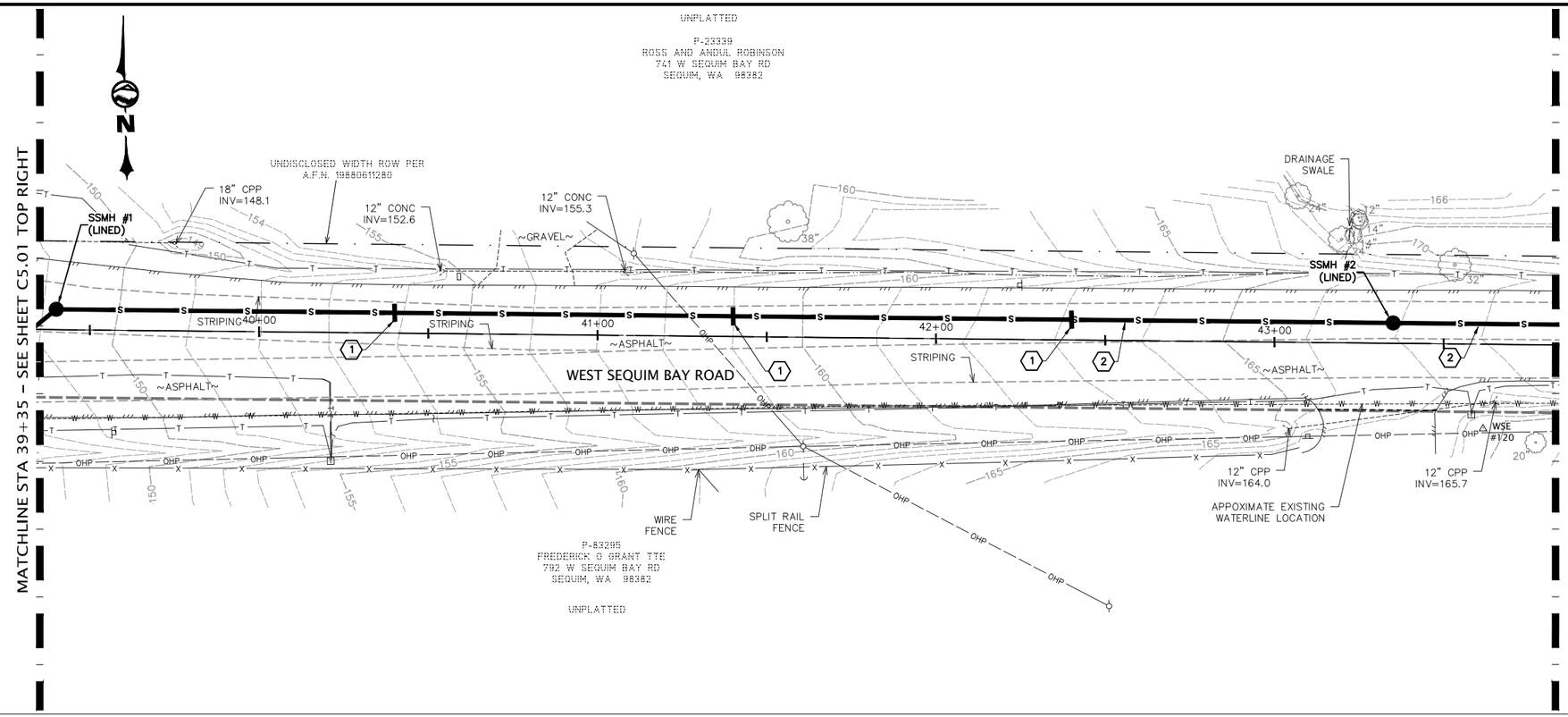
DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

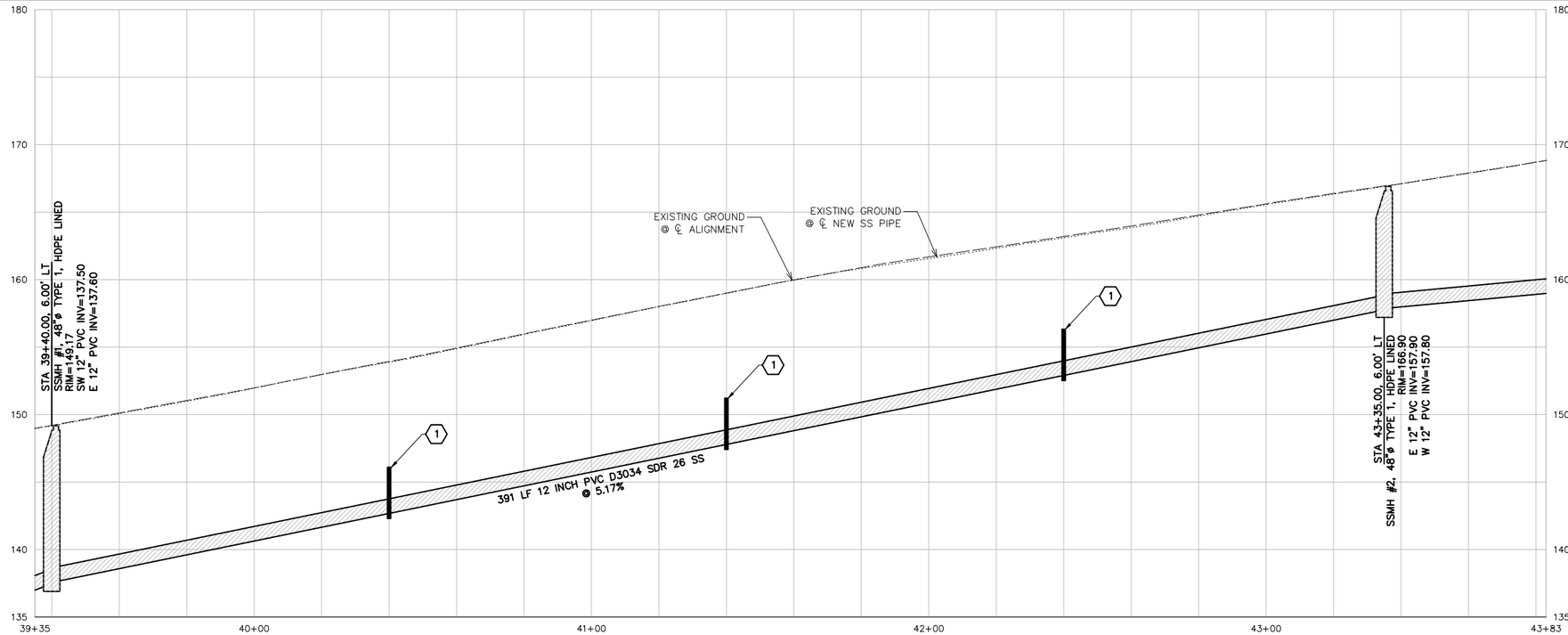
SHEET	PAGE
C5.01	26 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
W:\2023\2023-069 WEST SEQUIM BAY RD CORRIDOR\DWG\V2022_2023-069 C5.01 UTILITY PLAN & PROFILES.DWG – 2/23/2024 11:40 AM – Jeff Smith

MATCHLINE STA 39+35 – SEE SHEET C5.01 TOP RIGHT

MATCHLINE STA 43+83 – SEE SHEET C5.03 TOP LEFT





NO.	REVISIONS	BY	DATE

KEYED NOTES

1 = TRENCH DAM PER (X / XXXX)

2 = 12" PVC D3034 SDR 26 SANITARY SEWER MAIN

SCALE HORIZONTAL SCALE: 20 0 20 40 FEET

SCALE VERTICAL SCALE: 5 0 5 10 FEET

811 Call 811 two business days before you dig

60% DESIGN

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DESIGNED BY	DRAWN BY	CHECKED BY
SJW	JGS	XXX

CITY OF SEQUIM

SEQUIM WASHINGTON

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

SEWER PLAN & PROFILE – WEST SEQUIM BAY ROAD STA 39+35–43+83

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C5.02

PAGE 27 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
W:\2023\2023-069 WEST SEQUIM BAY RD CORRIDOR\DWG\2022_2023-069 C5.01 UTILITY PLAN & PROFILES.DWG – 2/23/2024 11:41 AM – Jeff Smith

NO.	REVISIONS	BY	DATE

KEYED NOTES

(1) = 12" PVC D3034 SDR 26 SANITARY SEWER MAIN

20 0 20 40
SCALE HORIZONTAL SCALE FEET

5 0 5 10
SCALE VERTICAL SCALE FEET

811 Call 811 two business days before you dig

60% DESIGN

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SJW	JGS	XXX

CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT
SEQUIM WASHINGTON

SEWER PLAN & PROFILE – WEST SEQUIM BAY ROAD STA 43+83–48+83

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C5.03

PAGE 28 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
W:\2023\2023-069 WEST SEQUIM BAY RD CORRIDOR\DWG\V2022_2023-069 C5.01 UTILITY PLAN & PROFILES.DWG – 2/23/2024 11:41 AM – Jeff Smith

NESPER SP V18, P35

P-23358
JAMES R SHINGLETON III AND
BRIDGET G SHINGLETON
901 W SEQUIM BAY RD
SEQUIM, WA 98382

SANDERS SP V23, P90

P-23360
SUSAN A KREML
945 W SEQUIM BAY RD
SEQUIM, WA 98382

SUN MEADOWS V12, P63

P-23389
SUN MEADOWS HOMEOWNERS
LIBERTY ST
SEQUIM, WA 98382

MATCHLINE STA 48+83 – SEE SHEET C5.03 TOP RIGHT

MATCHLINE STA 53+82 – SEE SHEET C5.05 TOP LEFT

CONCRETE
EX SDCB #4555
TYPE 1
RIM=182.53
E 12" CPP INV=178.9
W 12" CONC INV=178.7
SUMP=177.9
EX SDCB #4572
TYPE 1
RIM=185.49
E 6" PVC INV=182.6
W 12" CPP INV=181.9
SUMP=180.7
SPLIT RAIL FENCE
GRAVEL
BRICK PILLAR (TYP)
WOOD FENCE
WEST SEQUIM BAY ROAD
STRIPING
~ASPHALT~
SSMH #4 (LINED)
WSE #110
WSE #117
ROW OF 6"–8" CONIFERS
COULD NOT LOCATE PIPE
12" CPP INV=183.0
12" CPP INV=183.9
12" CPP INV=185.1
12" CONC INV=191.8
12" CONC INV=192.0
49+00
50+00
51+00
52+00
53+00

P-23613
THE ESTATES SUBDIVISION
COMMUNITY ASSOCIATION
SEQUIM, WA 98382

THE ESTATES SUBDIVISION V14, P80

EXISTING GROUND @ ℄ ALIGNMENT
EXISTING GROUND @ ℄ NEW SS PIPE
391 LF 12 INCH PVC D3034 SDR 26 SS @ 3.27%
391 LF 12 INCH PVC D3034 SDR 26 SS @ 1.51%
COMM. CROSSING SIZE & DEPTH UNK.
POWER CROSSING SIZE & DEPTH UNK.
STA 51+25.00, 6.00' LT
SSMH #4, 48"ø TYPE 1, HDPE LINED
RIM=189.09
W 12" PVC INV=180.00
E 12" PVC INV=180.10
210
200
190
180
170
165
48+83
49+00
50+00
51+00
52+00
53+00
53+82

NO.	REVISIONS	BY	DATE

KEYED NOTES

(1) = 12" PVC D3034 SDR 26 SANITARY SEWER MAIN

SCALE HORIZONTAL SCALE FEET: 20 0 20 40

SCALE VERTICAL SCALE FEET: 5 0 5 10

811 Call 811 two business days before you dig

60% DESIGN

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DESIGNED BY	DRAWN BY	CHECKED BY
SJW	JGS	XXX

CITY OF SEQUIM

SEQUIM WASHINGTON

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

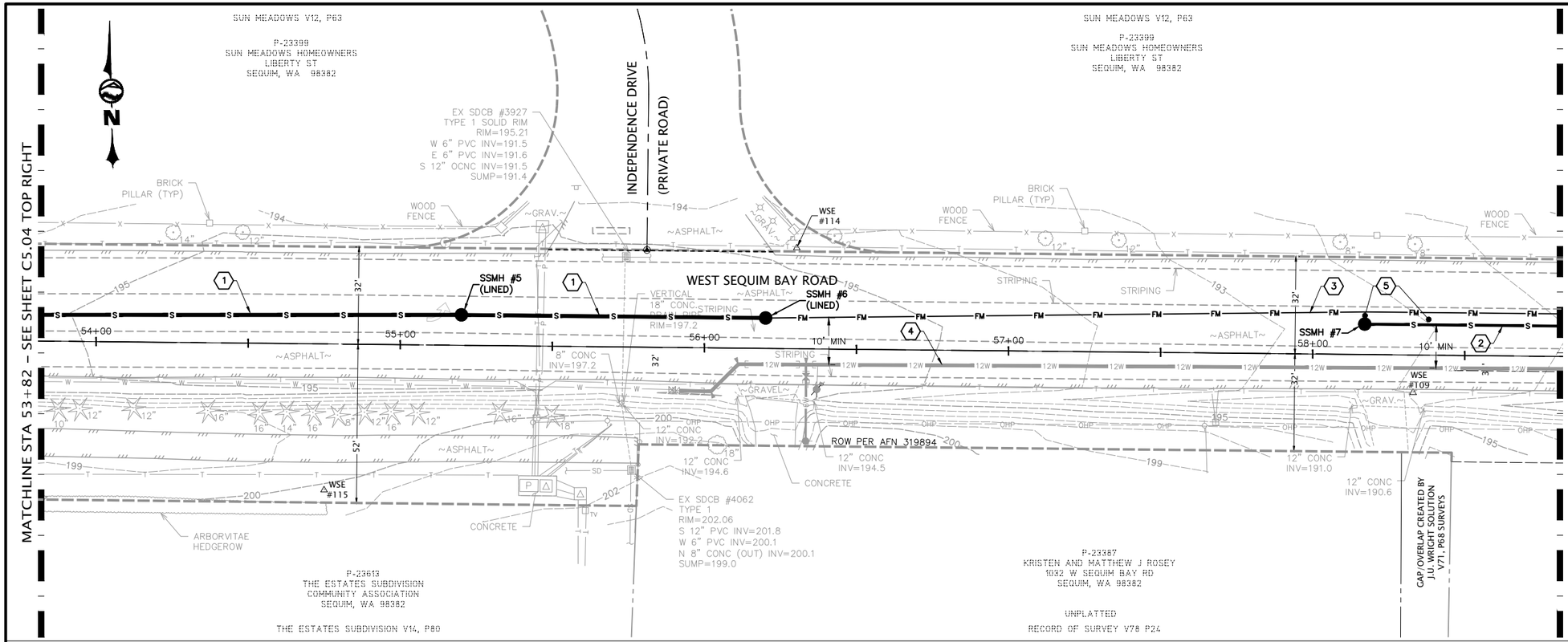
SEWER PLAN & PROFILE – WEST SEQUIM BAY ROAD STA 48+83–53+82

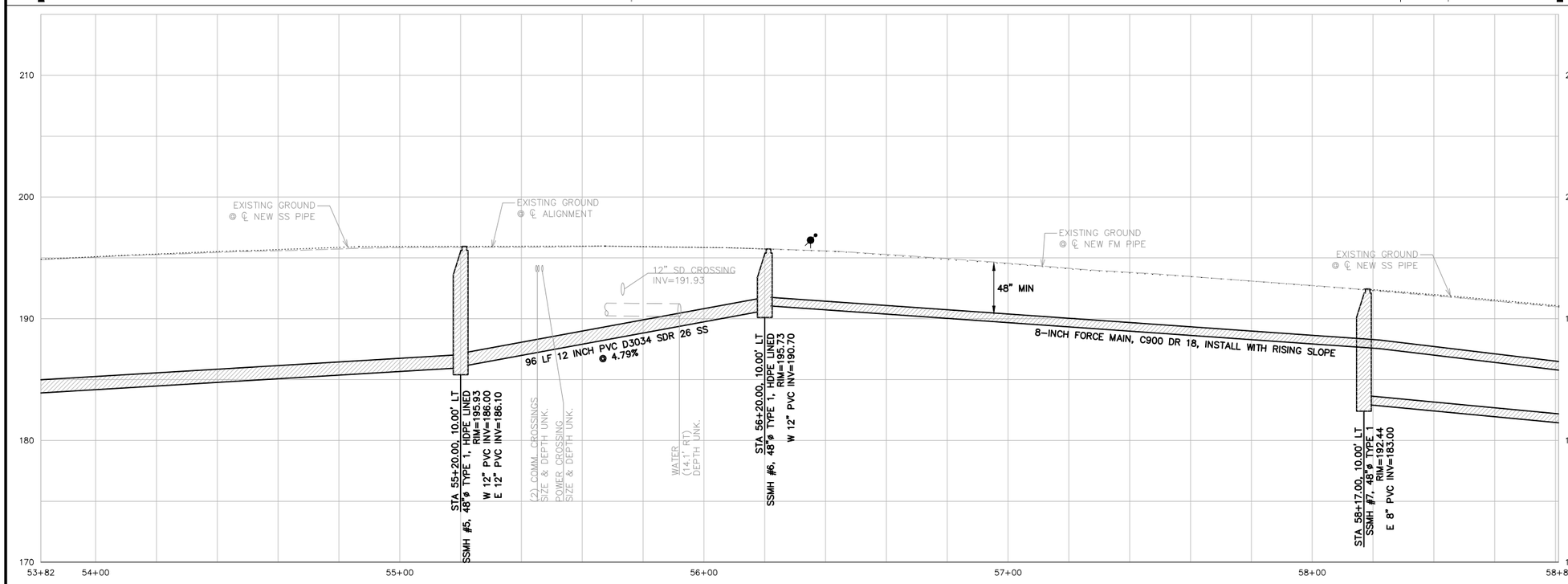
DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C5.04

PAGE 29 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
W:\2023\2023-069 WEST SEQUIM BAY RD CORRIDOR\DWG\2022_2023-069 C5.01 UTILITY PLAN & PROFILES.DWG – 2/23/2024 11:42 AM – Jeff Smith





NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = 12" PVC D3034 SDR 26 SANITARY SEWER MAIN
2. = 8" PVC D3034 SDR 26 SANITARY SEWER MAIN
3. = 8" PVC C900 DR 18 SEWER FORCE MAIN PER 2/C9.09
4. = PROPOSED WATER LINE PER SHEETS C6.01–C6.06
5. = TYPICAL SPACING PER 2/C9.09

SCALE HORIZONTAL SCALE 20 0 20 40 FEET

SCALE VERTICAL SCALE 5 0 5 10 FEET

811 Call 811 two business days before you dig

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WILSONENGINEERING.COM

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DESIGNED BY	DRAWN BY	CHECKED BY
SJW	JGS	XXX

CITY OF SEQUIM
SEQUIM WASHINGTON

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

SEWER PLAN & PROFILE – WEST SEQUIM BAY ROAD STA 53+82–58+81

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C5.05

PAGE 30 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
W:\2023\2023-069 WEST SEQUIM BAY RD CORRIDOR\DWG\V2022_2023-069 C5.01 UTILITY PLAN & PROFILES.DWG – 2/23/2024 11:42 AM – Jeff Smith

MATCHLINE STA 58+81 – SEE SHEET C5.05 TOP RIGHT

MATCHLINE STA 63+81 – SEE SHEET C5.07 TOP LEFT

SUN MEADOWS V12, P63

P-23389
SUN MEADOWS HOMEOWNERS
LIBERTY ST
SEQUIM, WA 98382

MAILBOX

WOOD FENCE

BRICK PILLAR (TYP)

WOOD FENCE

STRIPING

WEST SEQUIM BAY ROAD

~ASPHALT~

SSMH #8

STRIPING

STRIPING

~ASPHALT~

~ASPHALT~

59+00

60+00

10' MIN

61+00

62+00

63+00

~GRAV.~

ROW PER AFN 321843

ROW PER AFN 322015

12" CONC
INV=188.0

12" CONC
INV=184.4

BARBED WIRE FENCE

P-23383
GLEN T OLIVERA
1110 W SEQUIM BAY RD
SEQUIM, WA 98382

UNPLATTED
RECORD OF SURVEY V71 P68

P-23382
DAVID K AND BRANDIE RENEE EVANS
KEELER RD
SEQUIM, WA 98382

UNPLATTED

NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = 8" PVC D3034 SDR 26 SANITARY SEWER MAIN
2. = 8" PVC C900 DR 18 SEWER FORCE MAIN PER (2 / C9.09)
3. = PROPOSED WATER LINE PER SHEETS C6.01–C6.06
4. = TYPICAL SPACING PER (2 / C9.09)

STA 61+50.00, 10.00' LT
SSMH #8, 48"ø TYPE 1
RIM=184.25
W 8" PVC INV=175.10
E 8" PVC INV=175.00

EXISTING GROUND @ ℄ NEW SS PIPE

EXISTING GROUND @ ℄ ALIGNMENT

EXISTING GROUND @ ℄ NEW FM PIPE

48" MIN

329 LF 8 INCH PVC D3034 SDR 26 SS @ 2.40%

8–INCH FORCE MAIN, C900 DR 18, INSTALL WITH RISING SLOPE

346 LF 8 INCH PVC D3034 SDR 26 SS @ 2.57%

200 190 180 170 160

58+81 59+00 60+00 61+00 62+00 63+00 63+81

SCALE 20 0 20 40 FEET HORIZONTAL SCALE

SCALE 5 0 5 10 FEET VERTICAL SCALE

811 Call 811 two business days before you dig

60% DESIGN

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SJW	JGS	XXX

CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

SEQUIM WASHINGTON

SEWER PLAN & PROFILE – WEST SEQUIM BAY ROAD STA 58+81–63+81

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C5.06

PAGE 31 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
W:\2023\2023-069 WEST SEQUIM BAY RD CORRIDOR\DWG\V2022_2023-069 C5.01 UTILITY PLAN & PROFILES.DWG – 2/23/2024 11:42 AM – Jeff Smith

MATCHLINE STA 63+81 – SEE SHEET C5.06 TOP RIGHT

MATCHLINE STA 68+80 – SEE SHEET C5.08 TOP LEFT

SUN MEADOWS V12, P63

P-23399
SUN MEADOWS HOMEOWNERS
LIBERTY ST
SEQUIM, WA 98382

DELTZ SP V7 P98

P-23835
RONALD AND GAYLE COLE
21 BIGFOOT LN
SEQUIM, WA 98382

LIBERTY WAY (PVT.)

BIGFOOT LANE (PVT.)

WEST SEQUIM BAY ROAD

KEELER ROAD

ROW PER A.F.N. 322015

ROW PER AFN 322015

BRICK PILLAR (TYP)

BRICK WALL

12" CONC INV=174.9

RIVER ROCK

CHAINLINK FENCE

CONCRETE

COULD NOT LOCATE PIPE

~GRAVEL~

~ASPHALT~

STRIPING

SSMH #9

SSMH #10

12" CONC INV=165.5

12" CONC INV=164.9

12" CONC INV=165.7

12" CONC INV=174.2

12" CONC INV=174.3

WSE #108

BARBED WIRE FENCE

VEHICLE ACCESS

64+00

65+00

66+00

67+00

68+00

10' MIN

30'

P-23382
DAVID K AND BRANDIE RENEE EVANS
KEELER RD
SEQUIM, WA 98382
UNPLATTED

P-23842
JANE M NOWICKI TRUST
KEELER RD
SEQUIM, WA 98382
UNPLATTED

P-23844
DANA AND SHERYL CALDART
OVER ST
SEQUIM, WA 98382
UNPLATTED

EXISTING GROUND @ ℄ NEW FM PIPE

EXISTING GROUND @ ℄ ALIGNMENT

EXISTING GROUND @ ℄ NEW SS PIPE

48" MIN

8–INCH FORCE MAIN, C900 DR 18, INSTALL WITH RISING SLOPE

258 LF 8 INCH PVC D3034 SDR 26 SS @ 1.90%

COMM. CROSSING SIZE & DEPTH UNK.

COMM. CROSSING SIZE & DEPTH UNK.

POWER CROSSING SIZE & DEPTH UNK.

STA 65+00.00, 10.00' LT
SSMH #9, 48"ø TYPE 1
RIM=175.91
W 8" PVC INV=166.10
E 8" PVC INV=166.00

STA 67+62.00, 10.00' LT
SSMH #10, 48"ø TYPE 1
RIM=169.94
W 8" PVC INV=161.10
E 8" PVC INV=161.00

SCALE HORIZONTAL SCALE FEET: 20 0 20 40

SCALE VERTICAL SCALE FEET: 5 0 5 10

Call 811 two business days before you dig

60% DESIGN

NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = 8" PVC D3034 SDR 26 SANITARY SEWER MAIN
2. = 8" PVC C900 DR 18 SEWER FORCE MAIN PER 2/C9.09
3. = PROPOSED WATER LINE PER SHEETS C6.01–C6.06
4. = TYPICAL SPACING PER 2/C9.09

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CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

SEQUIM WASHINGTON

SEWER PLAN & PROFILE – WEST SEQUIM BAY ROAD STA 63+81–68+80

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C5.07

PAGE 32 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
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MATCHLINE STA 68+80 – SEE SHEET C5.07 TOP RIGHT

LOT 30
OFFICIAL PLAT OF THE SURVEY OF SECTION 22, TOWNSHIP 30 NORTH, RANGE 3 WEST ON FILE IN THE BUREAU OF LAND MANAGEMENT

P-23823
WARREN M MECCA
22 BIGFOOT LN
SEQUIM, WA 98382

RECORD OF SURVEY V72 P26

P-23829
MICHAEL GUY CHAMBERS
13 TANAGER LN
SEQUIM, WA 98382

ROW PER AFN 324599

~TREES AND SHRUBS~

~ASPHALT~

STRIPING (TYP)

SSMH #11

WSE #107

WEST SEQUIM BAY ROAD

66.00'

~GRAVEL~

~CONC.~

12" CONC INV=165.2

12" CMP INV=164.4

12" CMP INV=164.2

12" CONC INV=164.0

12" CONC INV=164.0

4" CPP INV=164.9

12" CMP INV=158.9

12" CMP INV=158.4

OVER STREET (PVT.)

GAP/OVERLAP CREATED BY J.U. WRIGHT SOLUTION V69, P4 SURVEYS

BAY RIDGE PLACE (PVT.)

30' EASEMENT FOR INGRESS, EGRESS, AND UTILITIES PER DEED, V919, P375

ROW PER AFN 322015

MATCHLINE STA 73+38 – SEE SHEET C5.09 TOP LEFT

P-23844
DANA AND SHERYL CALDART
OVER ST
SEQUIM, WA 98382

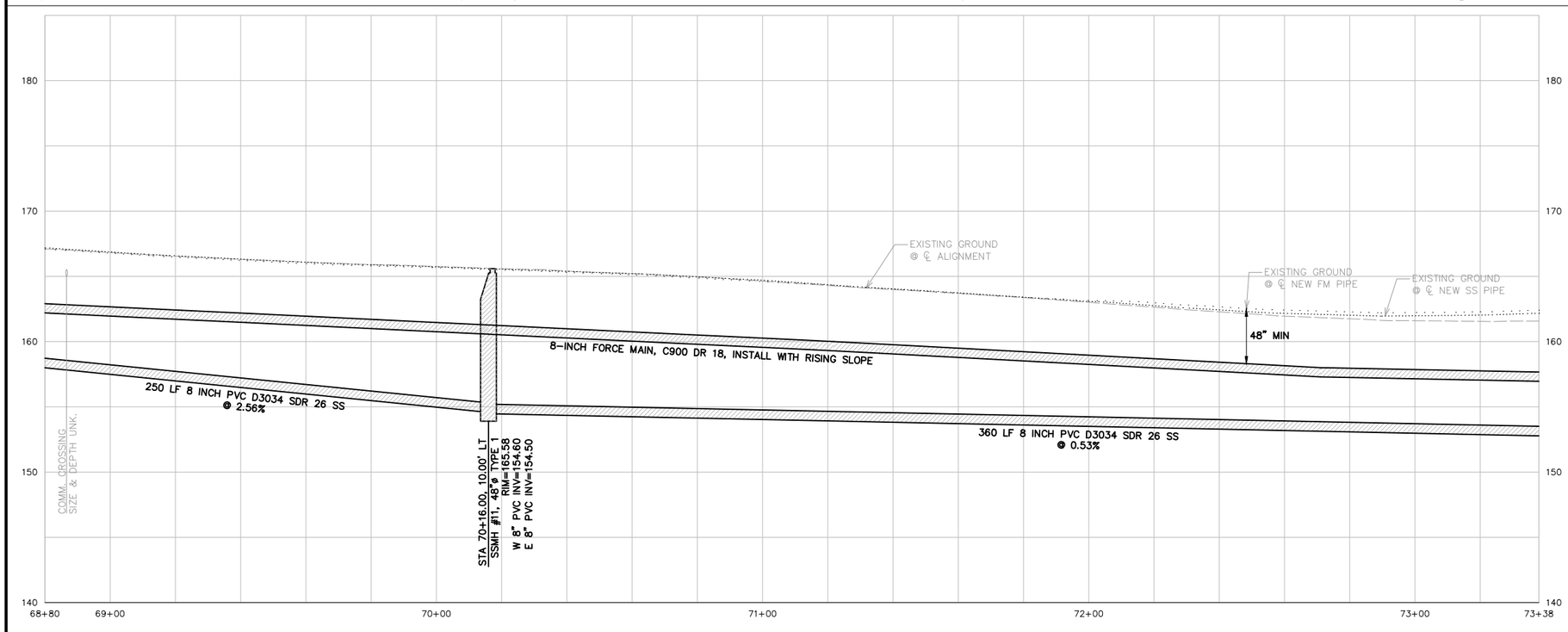
UNPLATTED

P-23849
MICHAEL AND AMY ORIQUE
91 BAY RIDGE PL
SEQUIM, WA 98382

UNPLATTED

RECORD OF SURVEY V69 P4

P-83517
YU HUI AND SHIRLEY LAM
1950 W SEQUIM BAY RD
SEQUIM, WA 98382



NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = 8" PVC D3034 SDR 26 SANITARY SEWER MAIN
2. = 8" PVC C900 DR 18 SEWER FORCE MAIN PER 2/C9.09
3. = PROPOSED WATER LINE PER SHEETS C6.01–C6.06
4. = TYPICAL SPACING PER 2/C9.09

20 0 20 40
SCALE HORIZONTAL SCALE FEET

5 0 5 10
SCALE VERTICAL SCALE FEET

811 Call 811 two business days before you dig

60% DESIGN

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SEQUIM WASHINGTON

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

SEWER PLAN & PROFILE – WEST SEQUIM BAY ROAD STA 68+80–73+38

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C5.08

PAGE 33 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
W:\2023\2023-069 WEST SEQUIM BAY RD CORRIDOR\DWG\V2022_2023-069 C5.01 UTILITY PLAN & PROFILES.DWG – 2/23/2024 11:43 AM – Jeff Smith

RECORD OF SURVEY V72 P26

P-23829
MICHAEL GUY CHAMBERS
13 TANAGER LN
SEQUIM, WA 98382

TANAGER LANE

JUNCO ROAD

KUSS SP V17 P83

P-85632
RANDY AND KAREN KENT
1451 W SEQUIM BAY RD
SEQUIM, WA 98382

BEND #2
STA 75+28.61, 16.48'L
8" 11.25° BEND MJxMJ,
THRUST BLOCKING

BEND #4
STA 77+06.56, 0.84'L
8" 11.25° BEND MJxMJ,
THRUST BLOCKING

VEHICLE ACCESS THROUGH FENCE

CENTERLINE DRIVEWAY

CHAINLINK FENCE

MATCHLINE STA 73+38 – SEE SHEET C5.08 TOP RIGHT

MATCHLINE STA 78+09 – SEE SHEET C5.10 TOP LEFT

BEND #1
STA 73+78.00, 19.00'L
8" 11.25° BEND MJxMJ,
THRUST BLOCKING

SSMH #12

SSMH #13

WSE #106

~N 322444

WEST SEQUIM BAY ROAD

SAILORS LANE (PVT.)

BEND #3
STA 76+65.81, 4.27'R
8" 11.25° BEND MJxMJ,
THRUST BLOCKING

6' WOOD FENCE

15" CMP
INV=157.97

12" CPP
INV=159.3

12" CPP
INV=159.1

12" CONC
INV=159.5

COULD NOT LOCATE
END Of PIPE
15" CMP
INV=158.2

CAP OVERLAP CREATED BY
V1.1 WRIGHT SUBDIVISION
P.23 SHORT PLATS

20' EASEMENT FOR INGRESS, EGRESS, AND UTILITIES PER KUSS SP V17, P83

MCQUAKER SP V1 P25

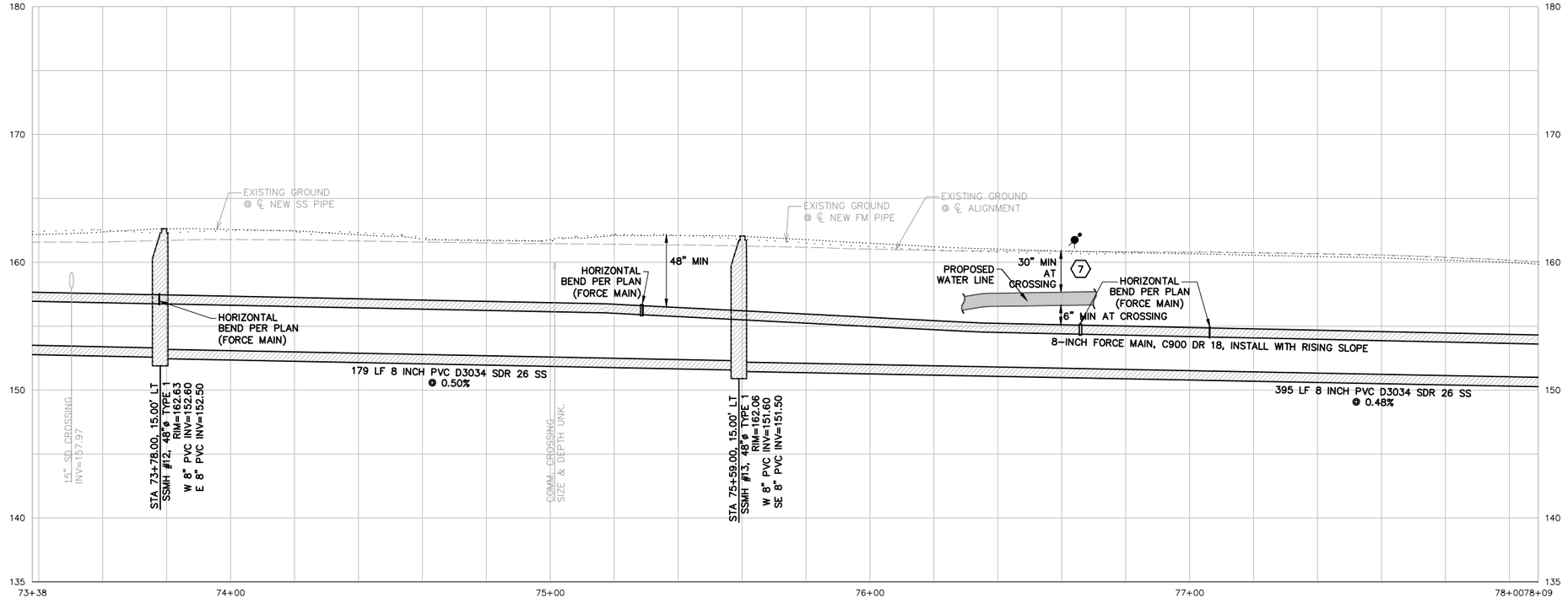
P-23853
MICHAEL G AND MERRI A LANNOYE
1360 W SEQUIM BAY RD
SEQUIM, WA 98382

KUSS SP V17 P83

P-85633
DARREN E AND POLLY J KADEL
53 SAILOR'S LN
SEQUIM, WA 98382

30' ROW PER AFN 322015

PLAT BOUNDARY PER MCQUAKER SP, V1 P25
PLAT BOUNDARY PER LAM SP, V34 P96
PLAT BOUNDARY PER CLALLAM COUNTY GEODETIC FRAMEWORK



NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = 8" PVC D3034 SDR 26 SANITARY SEWER MAIN
2. = 8" PVC C900 DR 18 SEWER FORCE MAIN PER (2 / C9.09)
3. = 8" PVC C900 DR 18 SEWER FORCE MAIN PER (3 / C9.09)
4. = PROPOSED WATER LINE PER SHEETS C6.01–C6.06
5. = TYPICAL SPACING PER (2 / C9.09)
6. = TYPICAL SPACING PER (3 / C9.09)
7. = NON-STANDARD CROSSING PER (1 / C9.10)

20 0 20 40
SCALE HORIZONTAL SCALE FEET

5 0 5 10
SCALE VERTICAL SCALE FEET

811 Call 811 two business days before you dig

60% DESIGN

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WEST SEQUIM BAY ROAD CORRIDOR PROJECT

SEQUIM WASHINGTON

SEWER PLAN & PROFILE – WEST SEQUIM BAY ROAD STA 73+38–78+09

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C5.09

PAGE 34 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
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MATCHLINE STA 78+09 – SEE SHEET C5.09 TOP RIGHT

RECORD OF SURVEY V7 P120
UNPLATTED

P-23871
BATELLE MEMORIAL INSTITUTE
1683 W SEQUIM BAY RD
SEQUIM, WA 98382

BEND #5
STA 79+56.00, 6.01'L
8" 11.25° BEND MJxMJ,
THRUST BLOCKING

BEND #6
STA 82+60.00, 24.01'L
8" 22.5° BEND MJxMJ,
THRUST BLOCKING

WEST SEQUIM BAY ROAD

SSMH #14

SSMH #15

CHAINLINK FENCE

VEHICLE ACCESS

~GRAVEL~

~ASPHALT~

10' MIN

STRIPING

12" CMP INV=157.1

12" CMP INV=156.6

12" CMP INV=156.3

12" CMP INV=156.3

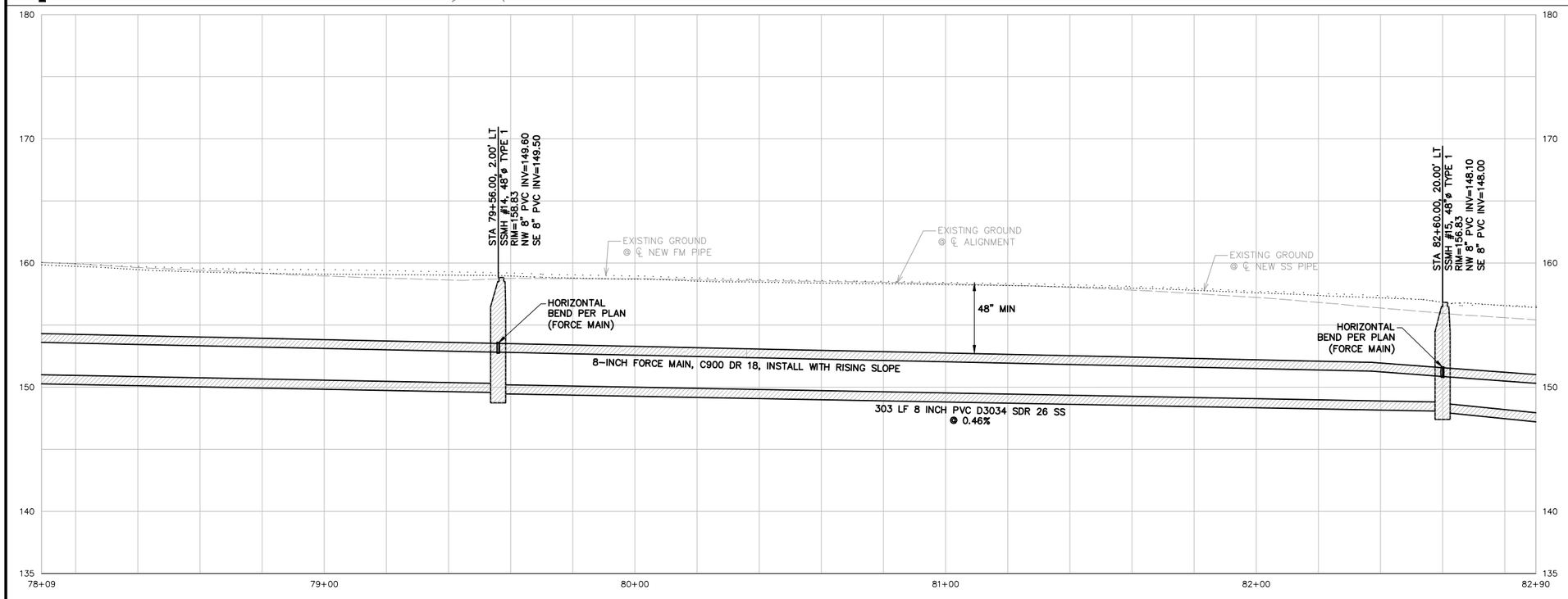
RECORD OF SURVEY V90 P70

P-23877
DOUGLAS AND TERI PRICE
1494 W SEQUIM BAY RD
SEQUIM, WA 98382

6' WOOD FENCE

HOGWIRE FENCE

MATCHLINE STA 82+90 – SEE SHEET C5.11 TOP LEFT



NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = 8" PVC D3034 SDR 26 SANITARY SEWER MAIN
2. = 8" PVC C900 DR 18 SEWER FORCE MAIN PER 4/C9.09
3. = PROPOSED WATER LINE PER SHEETS C6.01–C6.06
4. = TYPICAL SPACING PER 4/C9.09

SCALE HORIZONTAL SCALE FEET: 20 0 20 40

SCALE VERTICAL SCALE FEET: 5 0 5 10

811 Call 811 two business days before you dig

60% DESIGN

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CITY OF SEQUIM

SEQUIM WASHINGTON

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

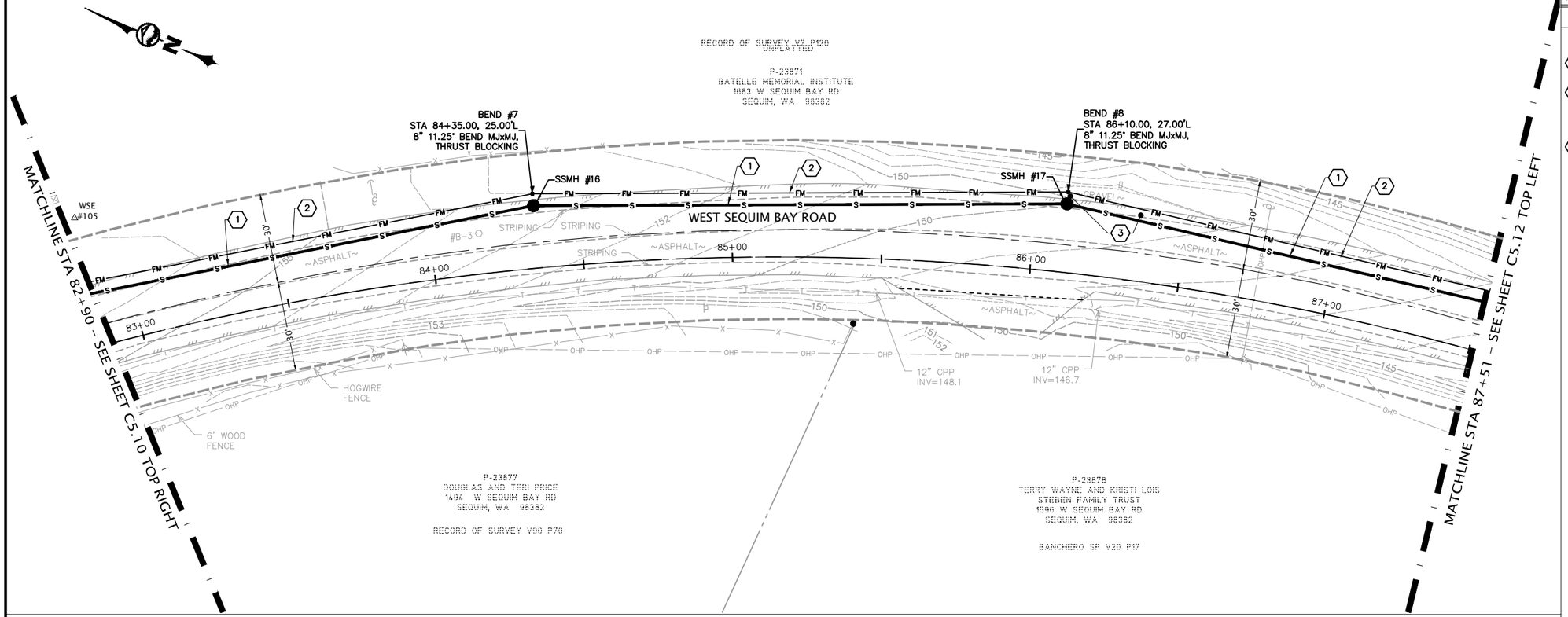
SEWER PLAN & PROFILE – WEST SEQUIM BAY ROAD STA 78+09–82+90

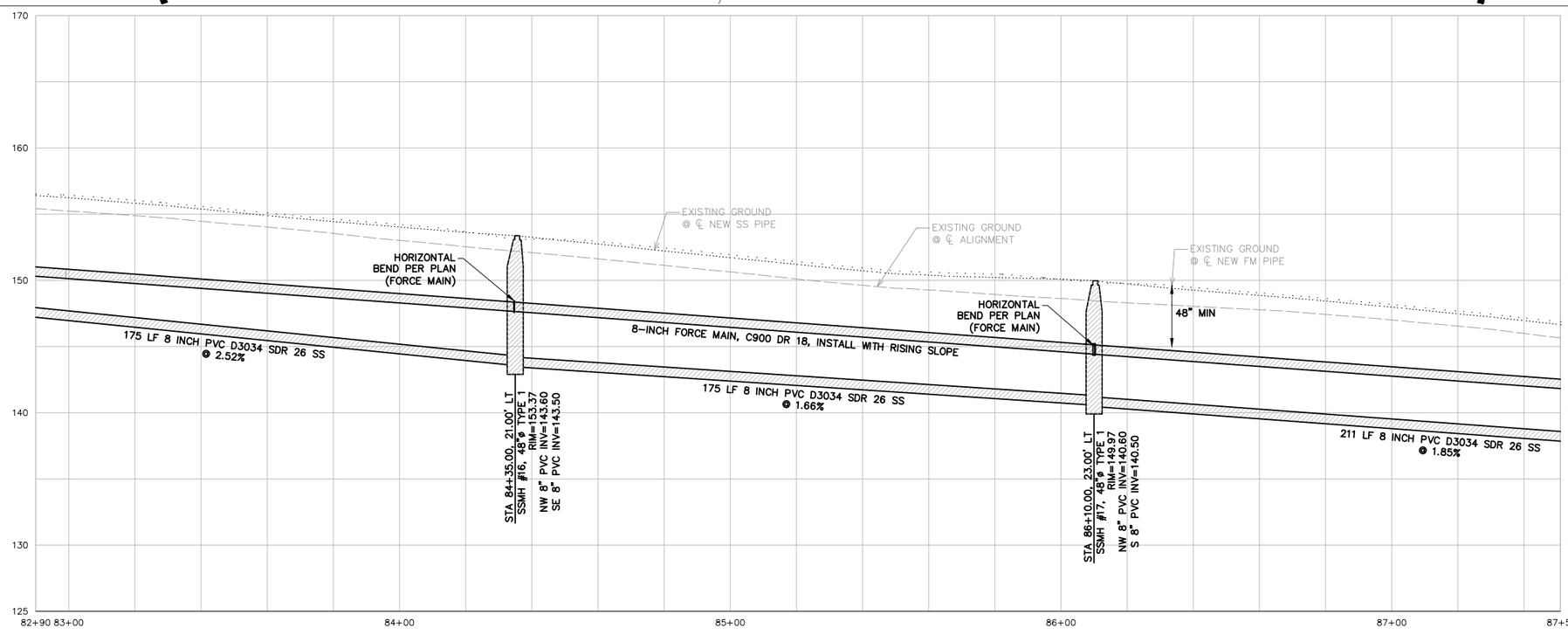
DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C5.10

PAGE 35 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
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NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = 8" PVC D3034 SDR 26 SANITARY SEWER MAIN
2. = 8" PVC C900 DR 18 SEWER FORCE MAIN PER 4/C9.09
3. = TYPICAL SPACING PER 4/C9.09

SCALE HORIZONTAL SCALE FEET: 20 0 20 40

SCALE VERTICAL SCALE FEET: 5 0 5 10

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WEST SEQUIM BAY ROAD CORRIDOR PROJECT

SEWER PLAN & PROFILE – WEST SEQUIM BAY ROAD STA 82+90–87+51

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C5.11

PAGE 36 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
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NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = 8" PVC D3034 SDR 26 SANITARY SEWER MAIN
2. = 8" PVC C900 DR 18 SEWER FORCE MAIN PER 4/C9.09
3. = TYPICAL SPACING PER 4/C9.09

20 0 20 40
SCALE HORIZONTAL SCALE FEET

5 0 5 10
SCALE VERTICAL SCALE FEET

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SJW	JGS	XXX

CITY OF SEQUIM
SEQUIM WASHINGTON
WEST SEQUIM BAY ROAD CORRIDOR PROJECT
SEWER PLAN & PROFILE - WEST SEQUIM BAY ROAD STA 87+51-92+25

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C5.12
PAGE 37 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
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MATCHLINE STA 92+25 – SEE SHEET C5.12 TOP RIGHT

MATCHLINE STA 96+78 – SEE SHEET C5.14 TOP LEFT

BEND #10
STA 94+40.00, 14.00'L
8" 11.25° BEND MJxMJ, RESTRAINED
RESTRAIN PIPE JOINTS 4–FT OR LESS
EACH WAY OF BEND

BEND #11
STA 96+12.00, 4.01'L
8" 22.5° BEND MJxMJ, RESTRAINED
RESTRAIN PIPE JOINTS 7–FT OR LESS
EACH WAY OF BEND

SSMH #20

SSMH #21

WSE #103

WSE #102

WEST SEQUIM BAY ROAD

~ASPHALT~

~CONCRETE~

~GRASS~

~GRAV~

~BARK~

~LS~

STRIPING

OHP

OHE

BARBED WIRE FENCE

CRUSHED CMP @ INV=128.4

12" CMP INV=135.3

12" CONC INV=130.2

6' WOOD FENCE

SPLIT RAIL FENCE

18" CMP INV=122.1

RIVER ROCK

6" CPP INV=122.14

UNPLATTED
P-24198
BARBARA KORN SANFORD
136 FORREST RD
SEQUIM, WA 98382

P-24200
WARREN C AND TARA J NELSON
1760 W SEQUIM BAY RD
SEQUIM, WA 98382
SAHAR ACRES SP V28 P14

P-24201
FRANK AND MONA LISA MARINKOVICH
1780 W SEQUIM BAY RD
SEQUIM, WA 98382
HUSSER SP V28 P97

P-24202
JEFFREY S AND KAREN CONSIDINE
1790 W SEQUIM BAY RD
SEQUIM, WA 98382
HUSSER SP V28 P97

EXISTING GROUND @ ℄ NEW FM PIPE

EXISTING GROUND @ ℄ NEW SS PIPE

EXISTING GROUND @ ℄ ALIGNMENT

48" MIN

HORIZONTAL BEND PER PLAN (FORCE MAIN)

222 LF 8 INCH PVC D3034 SDR 26 SS @ 2.66%

8–INCH FORCE MAIN, C900 DR 18, INSTALL WITH RISING SLOPE

164 LF 8 INCH PVC D3034 SDR 26 SS @ 2.68%

STA 94+40.00, 10.00' LT
SSMH #20, 48"ø TYPE 1
RIM=133.50
N 8" PVC INV=121.10
S 8" PVC INV=121.00

STA 96+12.00, 0.00' T
SSMH #21, 48"ø TYPE 1
RIM=126.00
N 8" PVC INV=116.60
SE 8" PVC INV=116.50

18" SD CROSSING INV=120.75

150 / 140 / 130 / 120 / 110 / 105

92+25 / 93+00 / 94+00 / 95+00 / 96+00 / 96+78

KEYED NOTES

1 = 8" PVC D3034 SDR 26 SANITARY SEWER MAIN

2 = 8" PVC C900 DR 18 SEWER FORCE MAIN PER 4/C9.09

3 = TYPICAL SPACING PER 4/C9.09

NO.	REVISIONS	BY	DATE

SCALE HORIZONTAL SCALE FEET: 20 0 20 40

SCALE VERTICAL SCALE FEET: 5 0 5 10

811 Call 811 two business days before you dig

60% DESIGN

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SEQUIM WASHINGTON

SEWER PLAN & PROFILE – WEST SEQUIM BAY ROAD STA 92+25–96+78

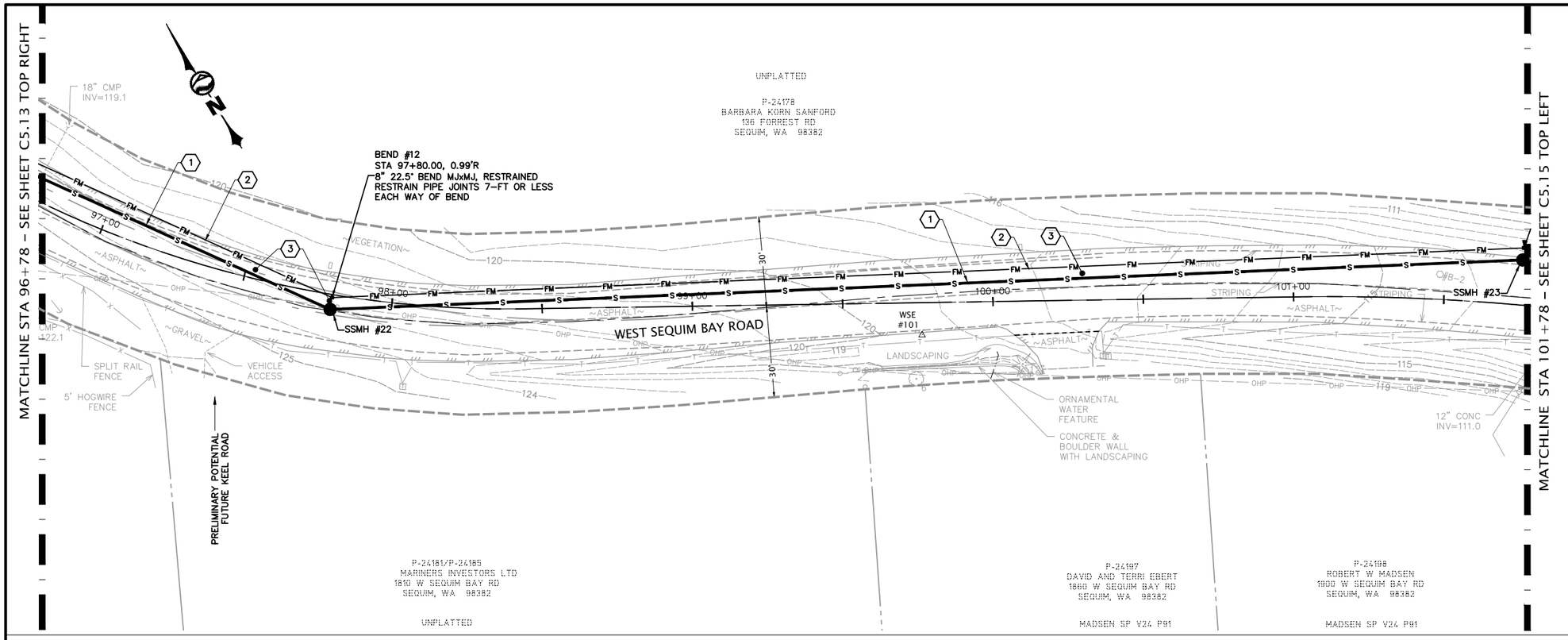
DATE 2-23-2024 | SCALE AS SHOWN | JOB NUMBER 2023-069

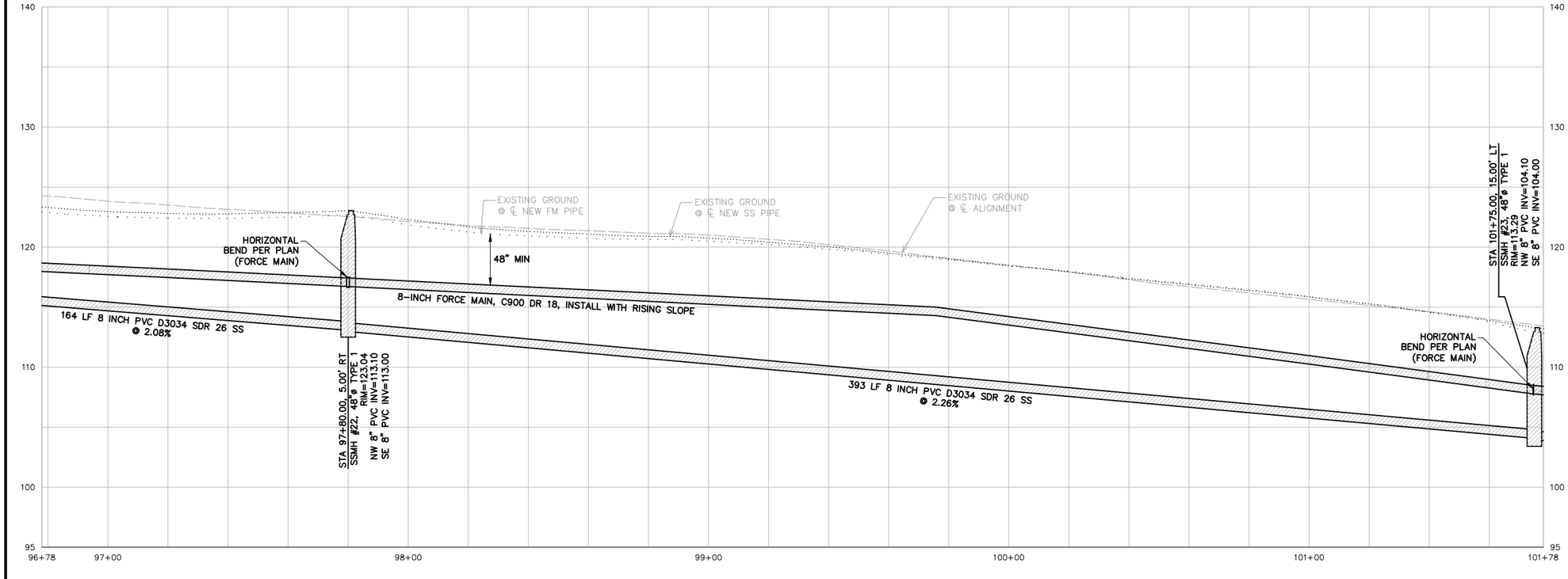
SHEET C5.13 | PAGE 38 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
W:\2023\2023-069 WEST SEQUIM BAY RD CORRIDOR\DWG\2022_2023-069 C5.01 UTILITY PLAN & PROFILES.DWG – 2/23/2024 11:45 AM – Jeff Smith

MATCHLINE STA 96+78 – SEE SHEET C5.13 TOP RIGHT

MATCHLINE STA 101+78 – SEE SHEET C5.15 TOP LEFT





NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = 8" PVC D3034 SDR 26 SANITARY SEWER MAIN
2. = 8" PVC C900 DR 18 SEWER FORCE MAIN PER 4/C9.09
3. = TYPICAL SPACING PER 4/C9.09

SCALE HORIZONTAL SCALE FEET: 20 0 20 40

SCALE VERTICAL SCALE FEET: 5 0 5 10

811 Call 811 two business days before you dig

60% DESIGN

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CITY OF SEQUIM

SEQUIM WASHINGTON

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

SEWER PLAN & PROFILE – WEST SEQUIM BAY ROAD STA 96+78–101+78

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C5.14

PAGE 39 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb – Jeff Smith
W:\2023\2023-069 WEST SEQUIM BAY RD CORRIDOR\DWG\V2022_2023-069 C5.01 UTILITY PLAN & PROFILES.DWG – 2/23/2024 11:46 AM – Jeff Smith

MATCHLINE STA 101+78 – SEE SHEET C5.14 TOP RIGHT

BEND #13
STA 101+75.00, 19.00'L
8" 11.25° BEND MJxMJ,
THRUST BLOCKING

BEND #14
STA 103+64.00, 14.00'L
8" 22.5° BEND MJxMJ,
THRUST BLOCKING

BEND #15
STA 104+69.17, 55.78'L
8" 22.5° BEND MJxMJ,
THRUST BLOCKING

SSMH #24

SSMH #25

SSMH #26

SSMH #27

FORREST ROAD

WEST SEQUIM BAY ROAD

12" CONC
INV=108.7

DISTURBED
REBAR

UNPLATTED
P-24178
BARBARA KORN SANFORD
136 FORREST RD
SEQUIM, WA 98382

P-24184
JOHN M PENNA
1902 W SEQUIM BAY RD
SEQUIM, WA 98382

UNPLATTED
RECORD OF SURVEY V14 P71

P-24180
JOHN M PENNA
1902 W SEQUIM BAY RD
SEQUIM, WA 98382

UNPLATTED

P-24181
MARINERS INVESTORS LTD
1810 W SEQUIM BAY RD
SEQUIM, WA 98382

UNPLATTED

WSE
△#100

EXISTING GROUND
@ ℄ NEW SS PIPE

EXISTING GROUND
@ ℄ ALIGNMENT

EXISTING GROUND
@ ℄ NEW FM PIPE

48" MIN

8-INCH FORCE MAIN, C900 DR 18, INSTALL WITH RISING SLOPE

243 LF 8 INCH PVC D3034 SDR 26 SS
@ 2.84%

TWISTED
BEND PER PLAN
(FORCE MAIN)

STA 104+20.00, 10.00' LT
SSMH #24, 48"ø TYPE 1
RIM=107.25
NW 8" PVC INV=97.10
SE 8" PVC INV=97.00

TWISTED
BEND PER PLAN
(FORCE MAIN)

STA 105+35.31, 76.34' LT
SSMH #27, 48"ø TYPE 1
RIM=93.88
SE 12" PVC INV=86.00

202 LF 8 INCH PVC D3034 SDR 26 SS
@ 2.18%

90 LF 12 INCH PVC D3034 SDR 26 SS
@ 5.58%

38 LF 12 INCH PVC D3034 SDR 26 SS
@ 3.94%

STA 106+20.85, 51.88' LT
SSMH #26, 48"ø TYPE 1
RIM=96.23
SW 12" PVC INV=91.10
NW 12" PVC INV=91.00

STA 106+25.00, 10.00' LT
SSMH #25, 60"ø TYPE 1
RIM=101.41
NW 8" PVC INV=92.60
NE 12" PVC INV=92.60

120
110
100
90
80
101+78
102+00
103+00
104+00
105+00
106+00
106+75

NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = 8" PVC D3034 SDR 26 SANITARY SEWER MAIN
2. = 12" PVC D3034 SDR 26 SANITARY SEWER MAIN
3. = 8" PVC C900 DR 18 SEWER FORCE MAIN PER 4/C9.09
4. = 8" PVC C900 DR 18 SEWER FORCE MAIN. SEE LIFT STATION SITE PLANS FOR CONTINUATION
5. = TYPICAL SPACING PER 4/C9.09
6. = THRUST BLOCKING FOR CONVEX VERTICAL BENDS PER 2/C9.05

20 0 20 40
SCALE HORIZONTAL SCALE FEET

5 0 5 10
SCALE VERTICAL SCALE FEET

811 Call 811 two business days before you dig

60% DESIGN

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PRELIMINARY

DESIGNED BY	DRAWN BY	CHECKED BY
SJW	JGS	XXX

CITY OF SEQUIM

SEQUIM WASHINGTON

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

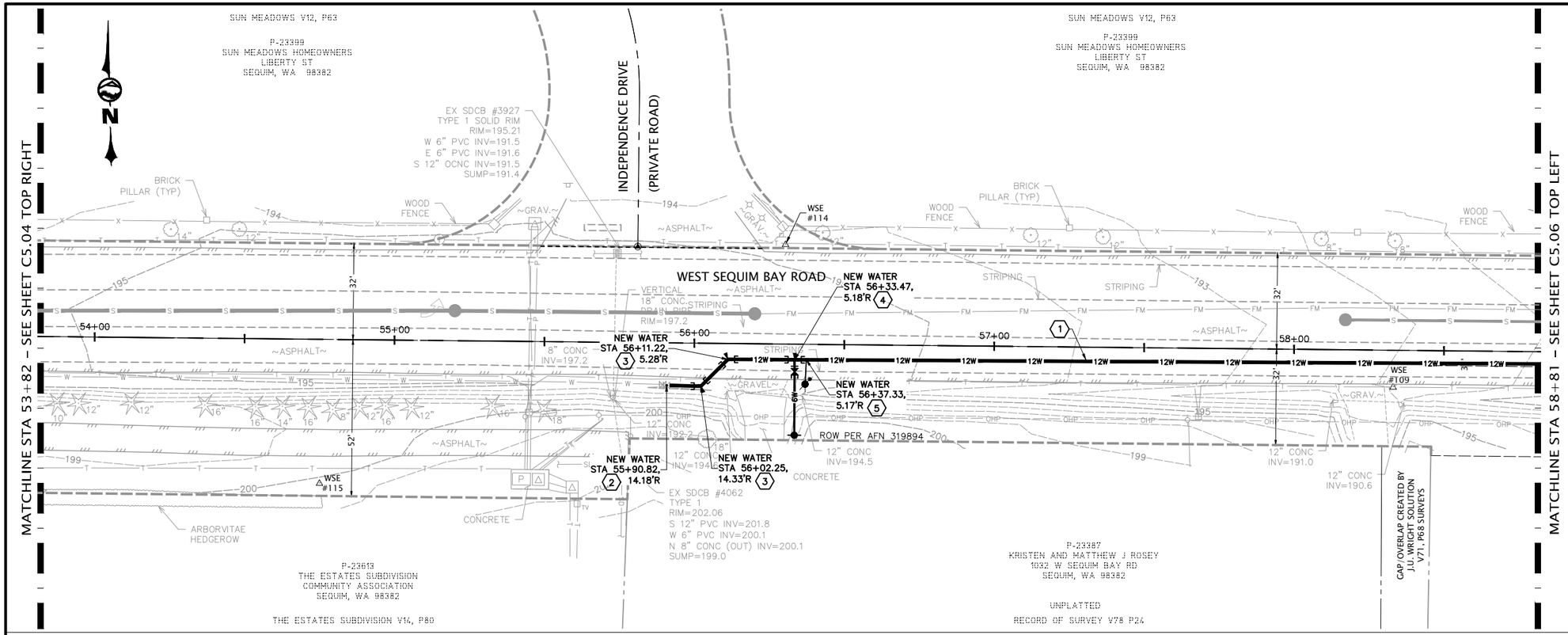
SEWER PLAN & PROFILE – WEST SEQUIM BAY ROAD STA 101+78–106+78

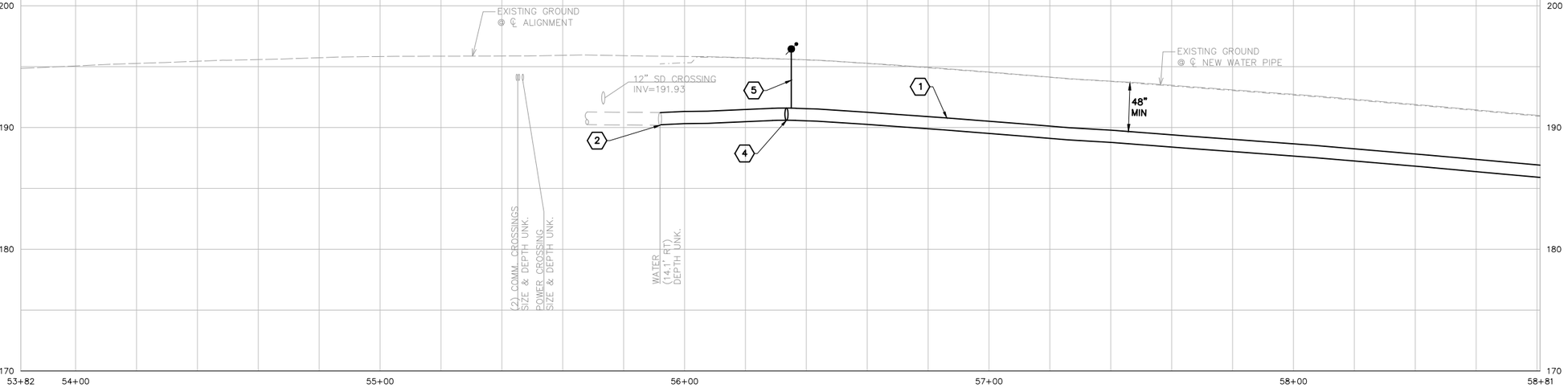
DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C5.15

PAGE 40 OF X

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NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = 12" C900 PVC WATER MAIN PER 7/C9.09
2. = CONNECT TO EXISTING GATE VALVE, RESTRAINED FITTINGS AS NEEDED
3. = 12" 45° BEND MJxMJ, THRUST BLOCKING PER 5-07/C9.04
4. = HYDRANT ASSEMBLY PER 5-08/C9.04 5-09/C9.04
5. = 2" AIR & VACUUM RELEASE ASS'Y PER 5-15/C9.04

20 0 20 40
SCALE HORIZONTAL SCALE FEET

5 0 5 10
SCALE VERTICAL SCALE FEET

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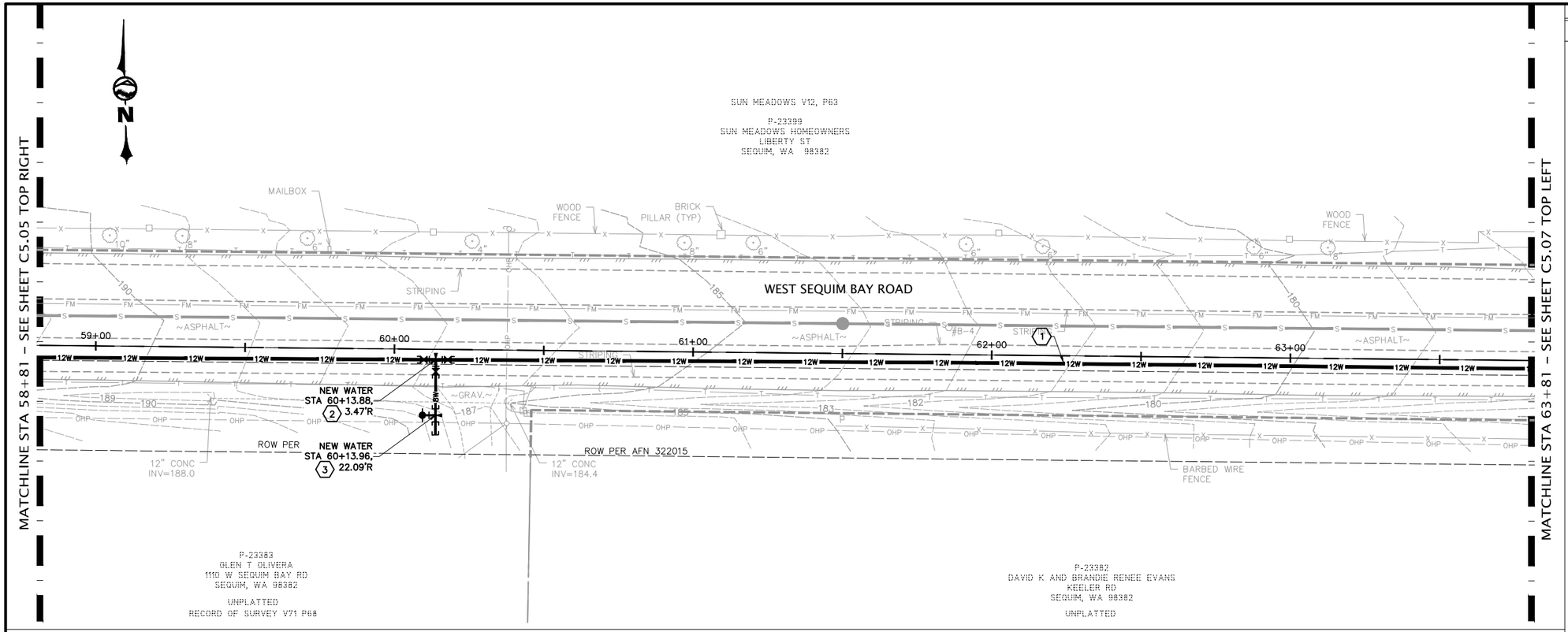
WEST SEQUIM BAY ROAD CORRIDOR PROJECT
SEQUIM WASHINGTON

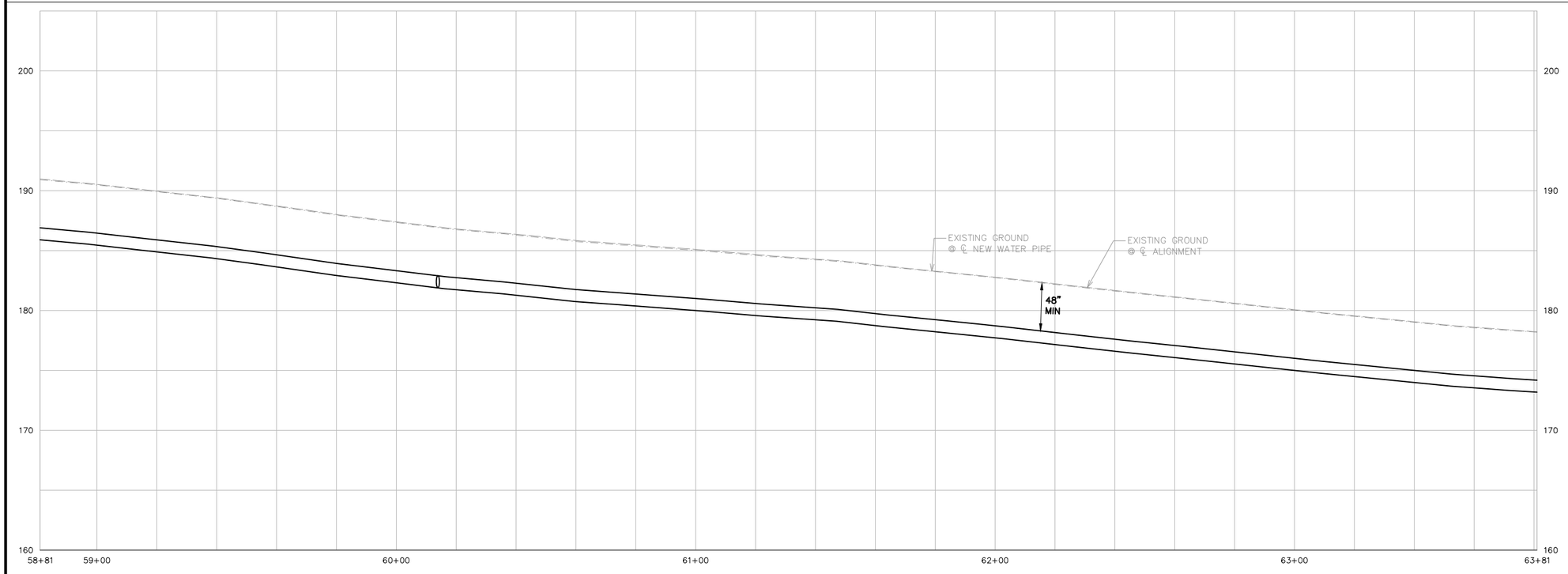
WATER PLAN & PROFILE – WEST SEQUIM BAY ROAD STA 53+82–58+81

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET	PAGE
C6.01	41 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
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NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = 12" C900 PVC WATER MAIN PER 7/C9.09
2. = 12"x8" REDUCING TEE FLxFLxFL, (2) 12" GVs FLxMJ, 8" GV FLxMJ, 8" DI PIPE, 8" CAP, AND THRUST BLOCKING PER 5-07/C9.04
3. = HYDRANT ASSEMBLY PER 5-08/C9.04 5-09/C9.04

HORIZONTAL SCALE: 20 0 20 40 SCALE FEET

VERTICAL SCALE: 5 0 5 10 SCALE FEET

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WEST SEQUIM BAY ROAD CORRIDOR PROJECT

WATER PLAN & PROFILE – WEST SEQUIM BAY ROAD STA 58+81–63+81

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET	PAGE
C6.02	42 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE_APWA_UNSCREENED.ctb
W:\2023\2023-069 WEST SEQUIM BAY RD CORRIDOR\DWG\V2022_2023-069 C6.01 WATER PLAN & PROFILES.DWG – 2/23/2024 11:48 AM – Jeff Smith

NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = 12" C900 PVC WATER MAIN PER 7/C9.09
2. = 12"x8" REDUCING TEE FLxFLxFL, (2) 12" GVs FLxMJ, 8" GV FLxMJ, 8" DI PIPE, 8" CAP, AND THRUST BLOCKING PER 5-07/C9.04
3. = HYDRANT ASSEMBLY PER 5-08/C9.04 5-09/C9.04

20 0 20 40
SCALE HORIZONTAL SCALE FEET

5 0 5 10
SCALE VERTICAL SCALE FEET

811 Call 811 two business days before you dig

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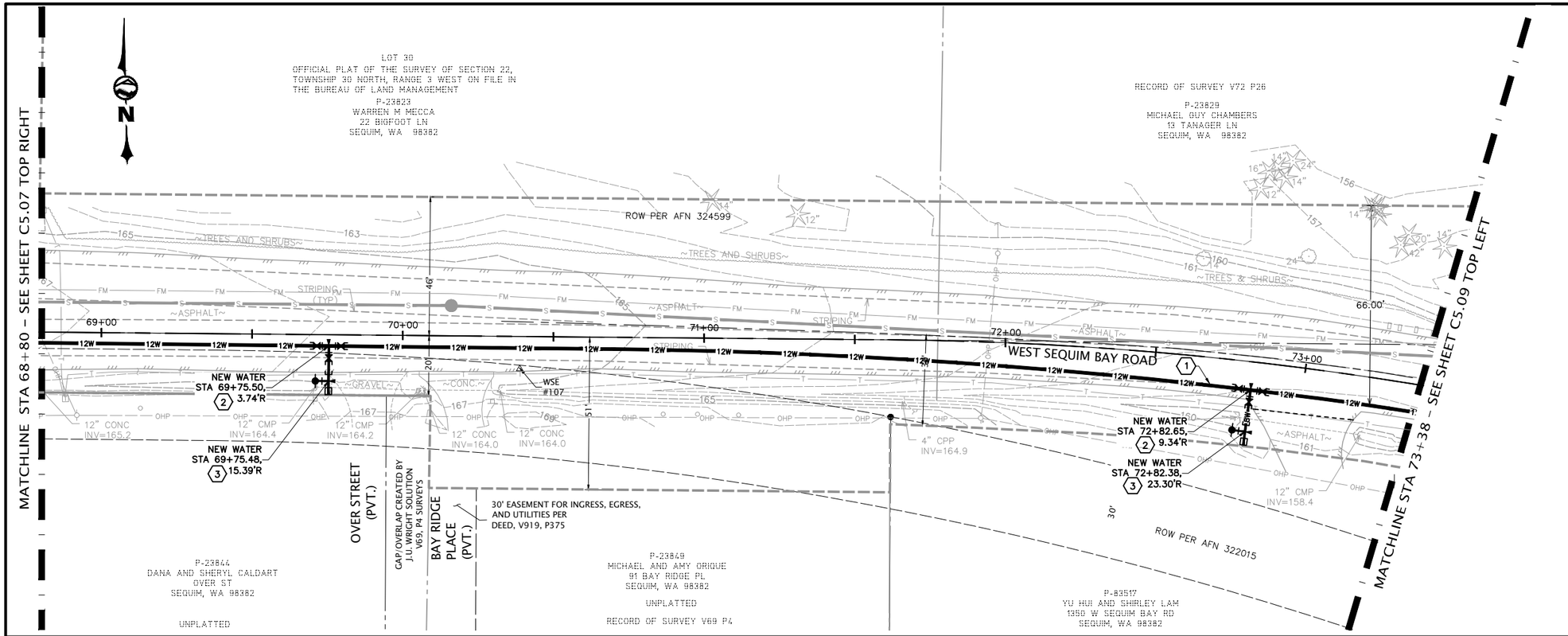
WATER PLAN & PROFILE – WEST SEQUIM BAY ROAD STA 63+81–68+80

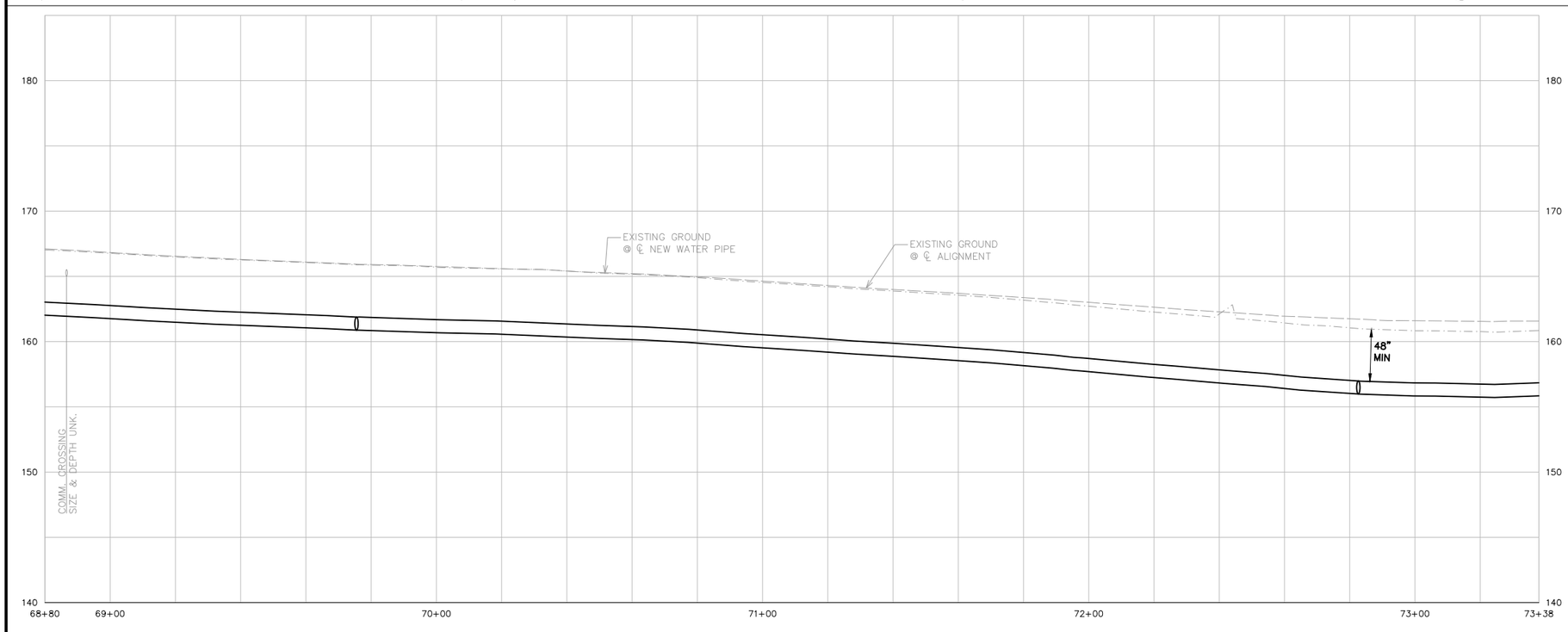
DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C6.03

PAGE 43 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
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NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = 12" C900 PVC WATER MAIN PER 7/C9.09
2. = 12"x8" REDUCING TEE FLxFLxFL, (2) 12" GVs FLxMJ, 8" GV FLxMJ, 8" DI PIPE, 8" CAP,AND THRUST BLOCKING PER 5-07/C9.04
3. = HYDRANT ASSEMBLY PER 5-08/C9.04 5-09/C9.04

20 0 20 40
SCALE HORIZONTAL SCALE FEET

5 0 5 10
SCALE VERTICAL SCALE FEET

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WEST SEQUIM BAY ROAD CORRIDOR PROJECT

WATER PLAN & PROFILE – WEST SEQUIM BAY ROAD STA 68+80–73+38

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C6.04

PAGE 44 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
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RECORD OF SURVEY V72 P26

P-23829
MICHAEL GUY CHAMBERS
13 TANAGER LN
SEQUIM, WA 98382

TANAGER LANE

JUNCO ROAD

KUSS SP V17 P83

P-85632
RANDY AND KAREN KENT
1451 W SEQUIM BAY RD
SEQUIM, WA 98382

MATCHLINE STA 73+38 – SEE SHEET C5.08 TOP RIGHT

MATCHLINE STA 78+09 – SEE SHEET C5.10 TOP LEFT

WEST SEQUIM BAY ROAD

SAILORS LANE (PVT.)

ROW PER AFN 322444

30' ROW PER AFN 322015

WSE #106

NEW WATER STA 75+29.02, 11.00'R (2)

NEW WATER STA 75+28.89, 23.87'R (3)

NEW WATER STA 76+58.38, 14.75'L (4)

NEW WATER STA 76+64.01, 14.76'L (8)

NEW WATER STA 76+32.47, 12.60'R (4)

CAP OVERLAP CREATED BY V1.1 P.23 SHORT PLATS

1' EASEMENT FOR INGRESS, EGRESS, AND UTILITIES PER KUSS SP V17, P83

MCQUAKER SP V1 P25

P-23853
MICHAEL G AND MERRI A LANNOYE
1360 W SEQUIM BAY RD
SEQUIM, WA 98382

KUSS SP V17 P83

P-85633
DARREN E AND POLLY J KADEL
53 SAILOR'S LN
SEQUIM, WA 98382

15" CMP INV=157.22

12" CONC INV=159.5

12" CPP INV=159.3

12" CPP INV=159.1

COULD NOT LOCATE END Of PIPE
15" CMP INV=158.2

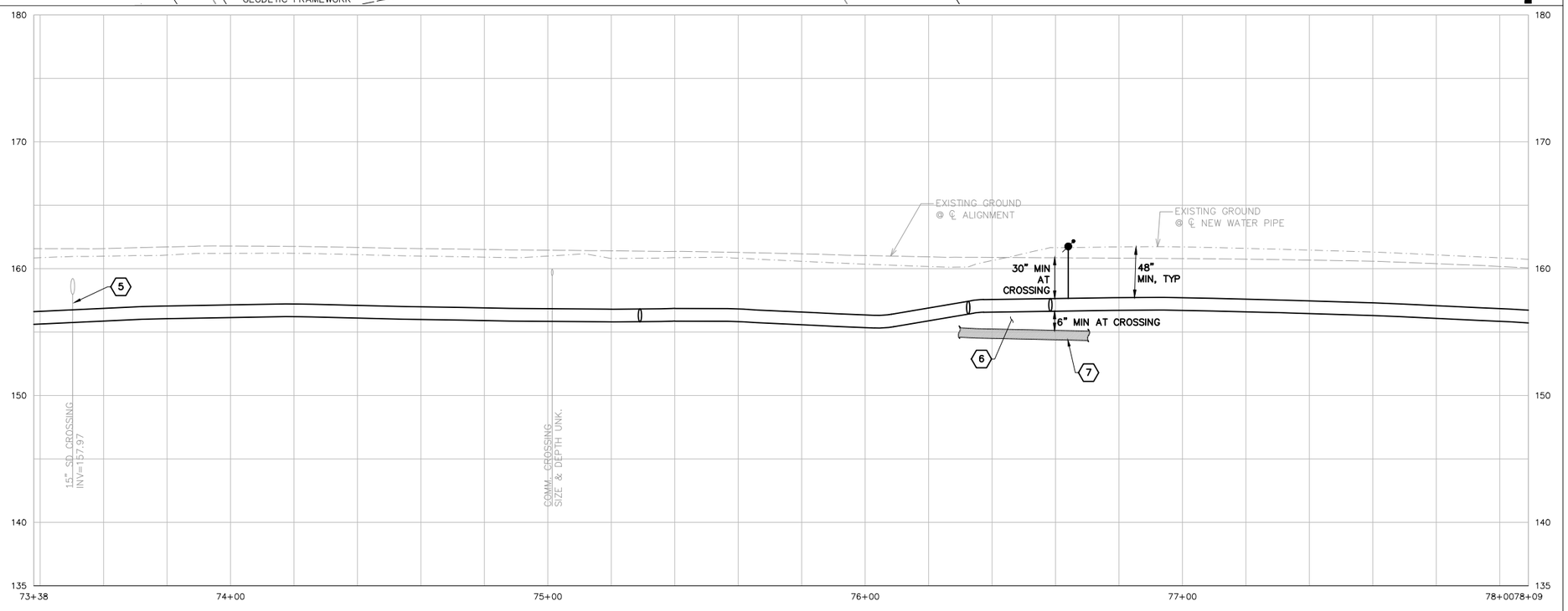
6' WOOD FENCE

CHAINLINK FENCE

VEHICLE ACCESS THROUGH FENCE

CENTERLINE DRIVEWAY

PLAT BOUNDARY PER MCQUAKER SP, V1 P25
PLAT BOUNDARY PER LAM SP, V34 P96
PLAT BOUNDARY PER CLALLAM COUNTY GEODETIC FRAMEWORK



20 0 20 40
SCALE HORIZONTAL SCALE FEET

5 0 5 10
SCALE VERTICAL SCALE FEET

Call 811 two business days before you dig

60% DESIGN

NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = 12" C900 PVC WATER MAIN PER (7 / C9.09)
2. = 12"x8" REDUCING TEE FLxFLxFL, (2) 12" GVs FLxMJ, 8" GV FLxMJ, 8" DI PIPE, 8" CAP AND THRUST BLOCKING PER (5-07 / C9.04)
3. = HYDRANT ASSEMBLY PER (5-08 / C9.04) (5-09 / C9.04)
4. = 12" 45° BEND MJxMJ, AND THRUST BLOCKING PER (5-07 / C9.04)
5. = NON-STANDARD CROSSING PER (2 / C9.10)
6. = NON-STANDARD CROSSING PER (1 / C9.10)
7. = NEW 6" FORCE MAIN. SEE (– / C5.09)
8. = 2" AIR & VACUUM RELEASE ASS'Y PER (5-15 / C9.04)

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SJW	JGS	XXX

CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT
SEQUIM WASHINGTON

WATER PLAN & PROFILE – WEST SEQUIM BAY ROAD STA 73+38–78+09

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET	PAGE
C6.05	45 OF X

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MATCHLINE STA 78+09 – SEE SHEET C5.09 TOP RIGHT

RECORD OF SURVEY V7 P120
UNPLATTED

P-23871
BATELLE MEMORIAL INSTITUTE
1683 W SEQUIM BAY RD
SEQUIM, WA 98382

NEW WATER
STA 78+85.60,
26.43'L (3)

NEW WATER
STA 78+85.88,
15.58'L (2)

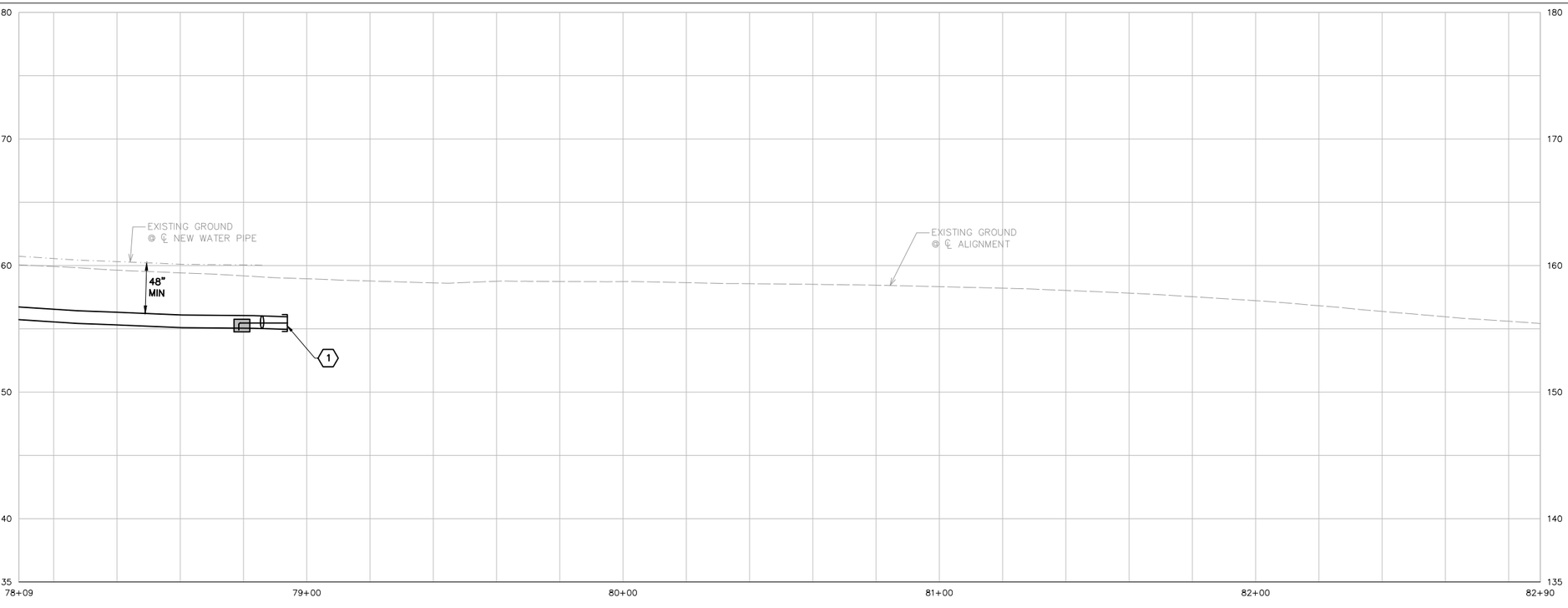
NEW WATER
STA 78+93.87,
15.78'L (4)

WEST SEQUIM BAY ROAD

RECORD OF SURVEY V90 P70

P-23877
DOUGLAS AND TERI PRICE
1494 W SEQUIM BAY RD
SEQUIM, WA 98382

MATCHLINE STA 82+90 – SEE SHEET C5.11 TOP LEFT



NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = 12" C900 PVC WATER MAIN PER 7/C9.09
2. = 12"x8" REDUCING TEE FLxFLxFL, (2) 12" GVs FLxMJ, 8" GV FLxMJ, 8" DI PIPE, BLOW-OFF ASS'Y, AND THRUST BLOCKING PER 5-07/C9.04
3. = HYDRANT ASSEMBLY PER 5-08/C9.04 5-09/C9.04
4. = CAP NEW 12" MAIN, REVERSE THRUST BLOCK PER 1/C9.05

SCALE HORIZONTAL SCALE: 20 0 20 40 FEET

SCALE VERTICAL SCALE: 5 0 5 10 FEET

811 Call 811 two business days before you dig

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PRELIMINARY

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CITY OF SEQUIM

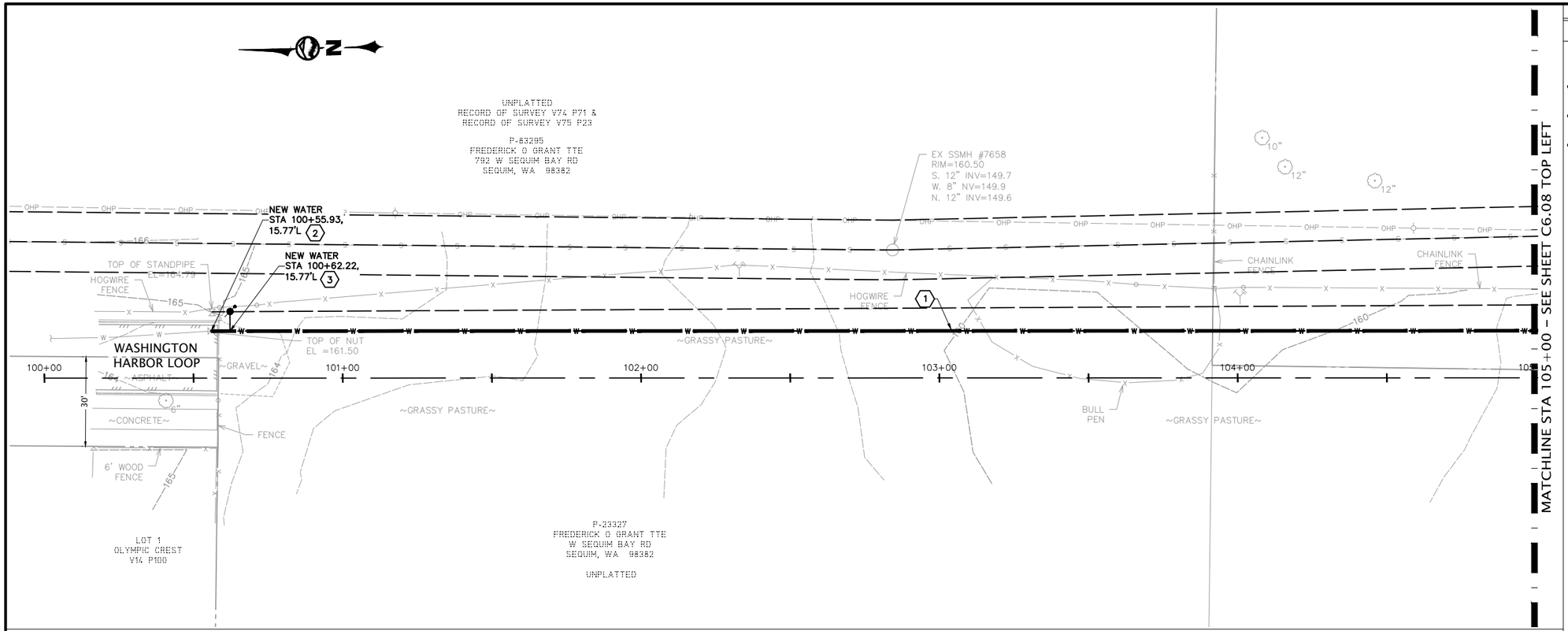
WEST SEQUIM BAY ROAD CORRIDOR PROJECT
SEQUIM WASHINGTON

WATER PLAN & PROFILE – WEST SEQUIM BAY ROAD STA 78+09–82+90

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET	PAGE
C6.06	46 OF X

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NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = 12" C900 PVC WATER MAIN PER 7/C9.09
2. = CONNECT TO EXISTING GATE VALVE
3. = 2" AIR & VACUUM RELEASE ASS'Y PER 5-15/C9.04

SCALE HORIZONTAL SCALE 20 0 20 40 FEET

SCALE VERTICAL SCALE 5 0 5 10 FEET

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SJW	JGS	XXX

CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

SEQUIM WASHINGTON

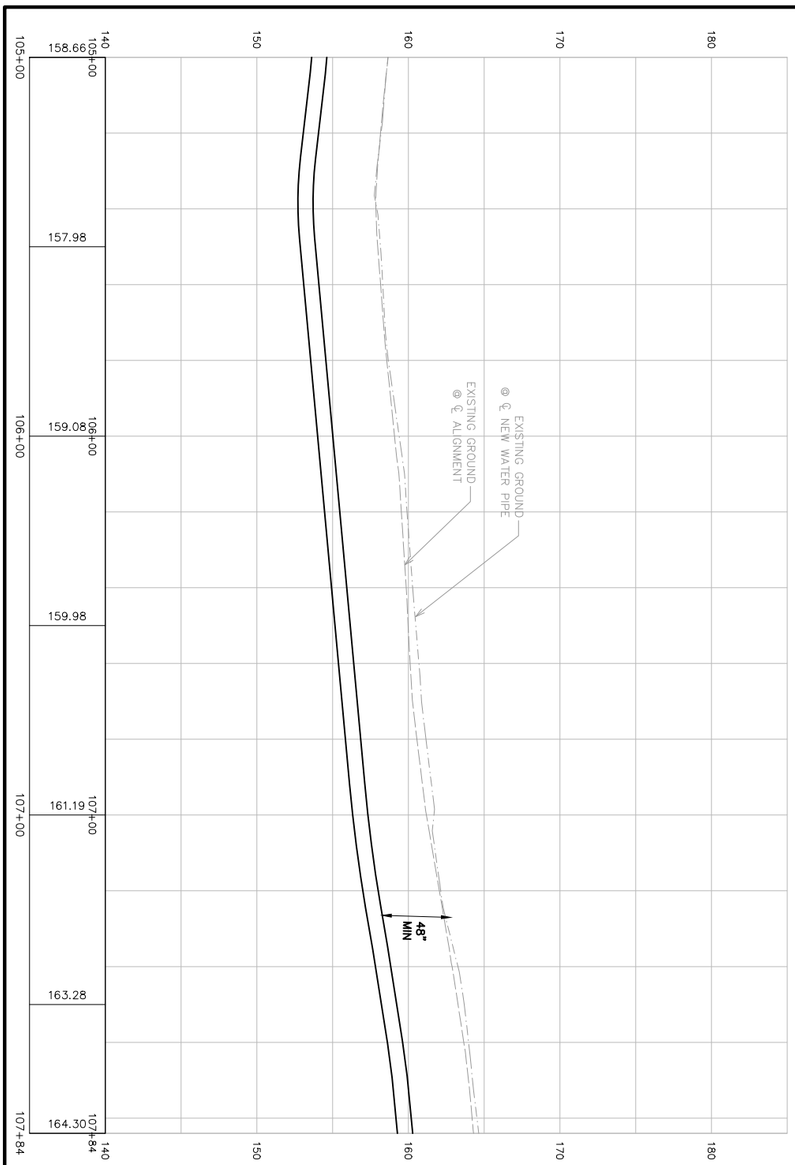
WATER PLAN & PROFILE – WA HARBOR LOOP STA 100+00–105+00

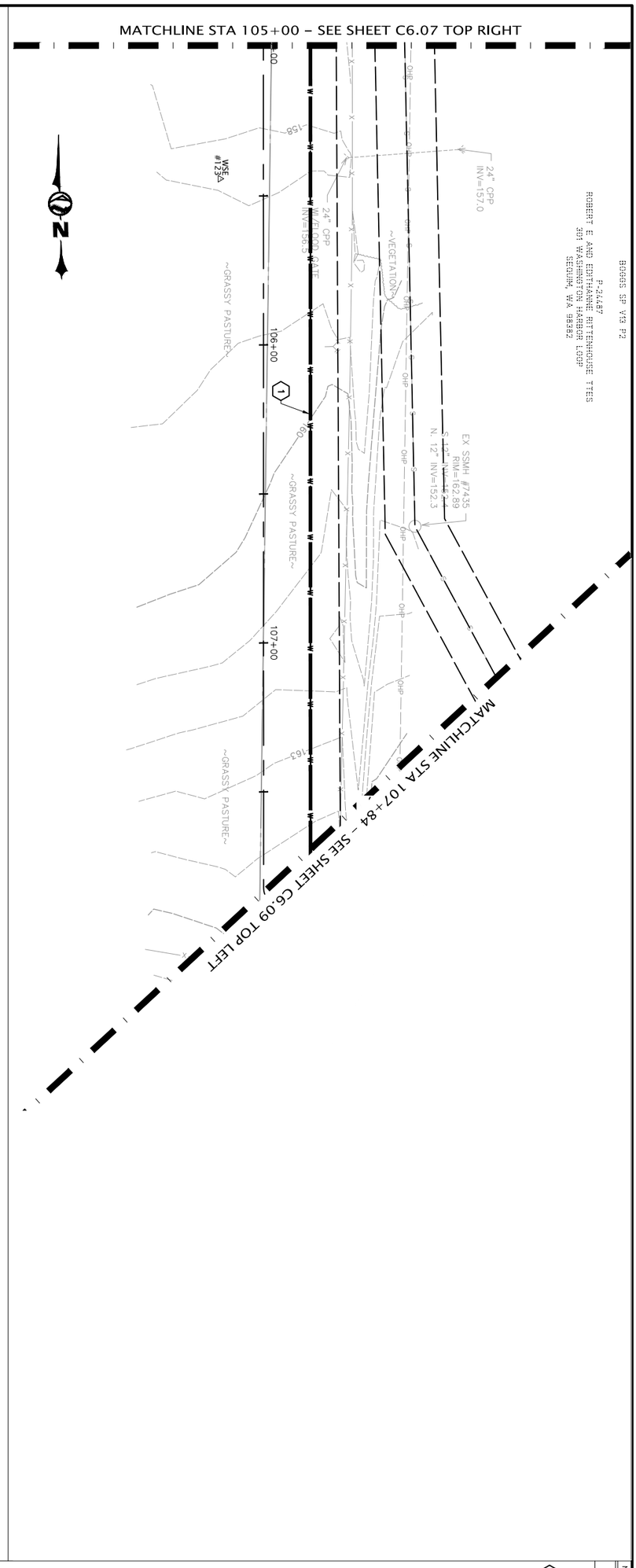
DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET	PAGE
C6.07	47 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
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60% DESIGN

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HORIZONTAL SCALE 0 20 40 FEET

VERTICAL SCALE 0 5 10 FEET

1 = 12" C900 PVC WATER MAIN PER 7/C9.09

KEYED NOTES

NO.	REVISIONS	BY	DATE

SHEET	DATE	CITY OF SEQUIM	DESIGNED BY
C6.08	2-23-2024	SEQUIM WASHINGTON	SJW
PAGE	SCALE	WEST SEQUIM BAY ROAD CORRIDOR PROJECT	DRAWN BY
48 OF X	AS SHOWN	WATER PLAN & PROFILE – WA HARBOR LOOP STA 105+00–107+84	JGS
	JOB NUMBER 2023-069		CHECKED BY XXX

SCOTT JAMES WILSON 48867 REGISTERED PROFESSIONAL ENGINEER PRELIMINARY

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WILSONENGINEERING.COM

MATCHLINE STA 107+84 – SEE SHEET C6.08 TOP RIGHT

NEW WATER STA 107+97.07, 9.46'L (3)
NEW WATER STA 108+20.26, 9.29'L (3)
NEW WATER STA 108+32.78, 3.44'R (3)
NEW WATER STA 108+57.94, 3.63'R (6)
NEW WATER STA 109+19.31, 4.11'R (4)
NEW WATER STA 109+71.94, 5.94'L (4)
NEW WATER STA 110+60.91, 5.25'L (4)
NEW WATER STA 110+75.76, 2.18'L (7)
NEW WATER STA 111+13.57, 5.63'R (5)
NEW WATER STA 111+40.53, 11.23'R (4)
NEW WATER STA 112+00.36, 11.69'R (9)
NEW WATER STA 112+40.96, 28.88'R (9)
NEW WATER STA 112+57.83, 27.63'R (8)
NEW WATER STA 112+58.64, 27.57'R (2)

EX SDMH #7333
RIM=169.30
W 18" CMP INV=164.4
SUMP=160.7

EX SSMH #7154
RIM=197.86
S. 8" INV=191.3
SE. 12" INV=191.3
NW. 12" INV=191.2

EX SSMH #7162
RIM=212.40
SW 12" PVC INV=206.5
SE 10" PVC INV=206.3
NW 12" PVC INV=206.2

EX SDCB #7133
TYPE 1
RIM=194.28

12" CPP INV=165.0
12" CPP INV=194.4
18" CPP INV=195.4

P-24489
RICHARD ALLEN AND KAREN RUTH BERGMAN
305 WASHINGTON HARBOR LP
SEQUIM, WA 98382

P-24487
ROBERT E AND EDITHANNE RITTENHOUSE TTES
301 WASHINGTON HARBOR LOOP
SEQUIM, WA 98382

BOGGS SP V13 P2

P-24482
ROBERT E AND EDITHANNE RITTENHOUSE TTES
ASHINGTON HARBOR LOOP
SEQUIM, WA 98382

P-83548/P-24483
CITY OF SEQUIM
HIGHWAY 101
SEQUIM, WA 98382

RECORD OF SURVEY V33 P58

P-83548
18" CONC APPROX INV=204.7
PUBLIC PARCEL
CITY OF SEQUIM

APPROX. LOCATION OF 12" CONC CULVERT END UNDER RIP RAP

BARBED WIRE FENCE
CHAINLINK FENCE
~VEGETATION~
~ASPHALT~
GRAVEL
SAWCUT
STRIPING
MAILBOXES
RIP-RAP

EXISTING GROUND @ ℄ ALIGNMENT
EXISTING GROUND @ ℄ NEW WATER PIPE
48" MIN
EX 12" SD CROSSING INV=207.2±

NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = 12" C900 PVC WATER MAIN PER (7 C9.09)
2. = CONNECT TO EXISTING GATE VALVE
3. = 12" 45° BEND MJxMJ, THRUST BLOCKING PER (5-07 C9.04)
4. = 12" 11.25° BEND MJxMJ, THRUST BLOCKING PER (5-07 C9.04)
5. = HYDRANT ASSEMBLY PER (5-08 C9.04) (5-09 C9.04)
6. = 12" GV PER (5-18 C9.04)
7. = (3) 1" WATER SERVICES PER (5-03 C9.03) CONNECT TO EXISTING METER BOXES
8. = 2" AIR & VACUUM RELEASE ASS'Y PER (5-08 C9.04)
9. = 12" 22.25° BEND MJxMJ, THRUST BLOCKING PER (5-07 C9.04)
10. = NON-STANDARD CROSSING PER (2 C9.10)
11. = VERTICAL BEND AS NEEDED AND THRUST BLOCKING PER (2 C9.05)

20 0 20 40 SCALE HORIZONTAL SCALE FEET

5 0 5 10 SCALE VERTICAL SCALE FEET

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SJW	JGS	XXX

CITY OF SEQUIM
WEST SEQUIM BAY ROAD CORRIDOR PROJECT
SEQUIM WASHINGTON
WATER PLAN & PROFILE – WA HARBOR LOOP STA 107+84–112+00

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C6.09
PAGE 49 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
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NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = SAWCUT HMA. MATCH NEW TO EXISTING
2. = ROAD REPLACEMENT, MATCH EXISTING PAVED LIMITS. REMOVE EX. HMA & EXCAVATE SUBGRADE FOR FULL ARTERIAL SECTION REPLACEMENT. SEE DETAIL X/C9.08 FOR TYPICAL ROADWAY SECTION.
3. = MATCH EXISTING CONCRETE GUTTER (TO REMAIN)
4. = PROTECT EX. SSMH (TO REMAIN). MATCH EX RIM ELEVATION
5. = START ROADWAY REPLACEMENT MATCH EXISTING

SHEET NOTES:
1) SEE SHEETS C7.09–C7.20 FOR CORRESPONDING SECTION VIEWS.

20 0 20 40
SCALE FEET
HORIZONTAL SCALE

5 0 5 10
SCALE FEET
VERTICAL SCALE

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CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT
WASHINGTON
SEQUIM

ROADWAY PLANS – WEST SEQUIM BAY ROAD STA 2+00–3+50

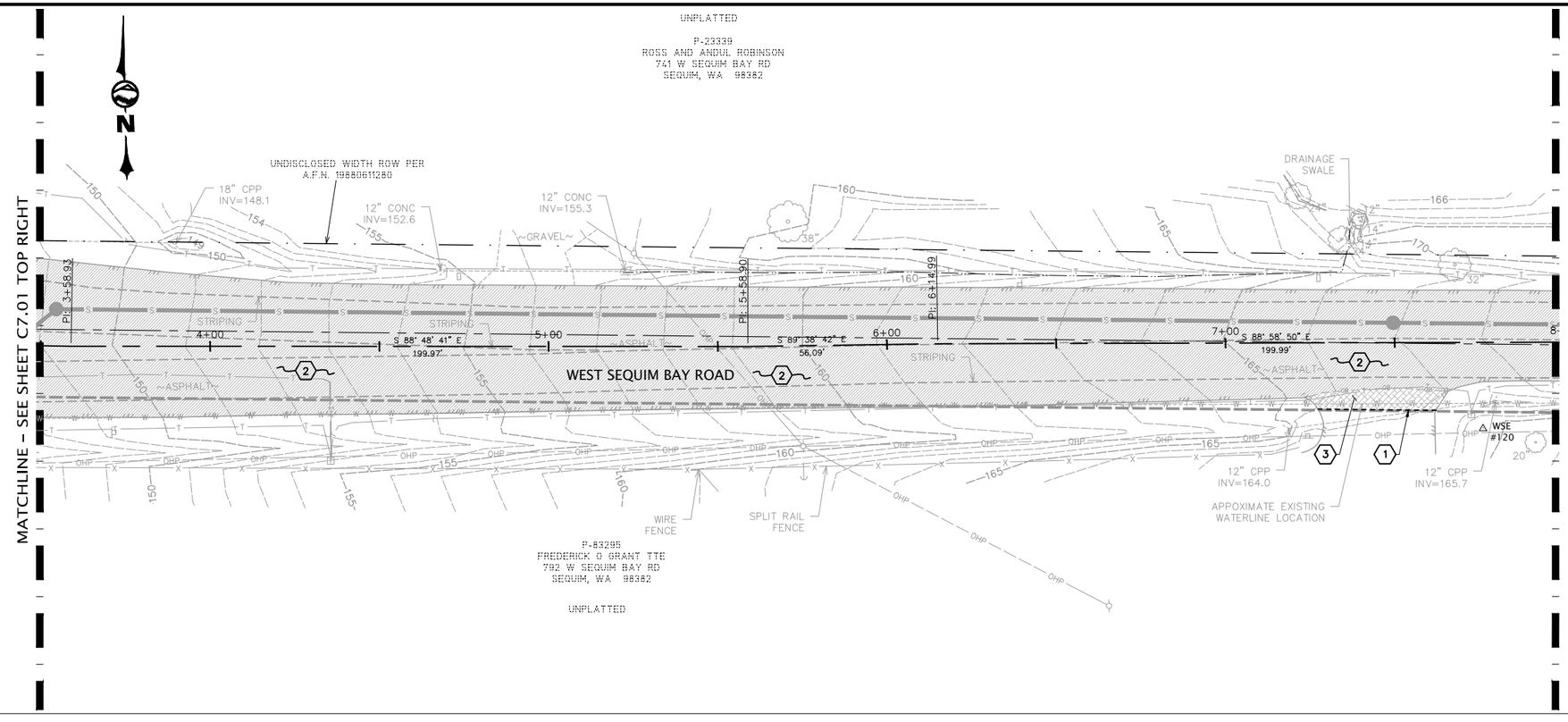
DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

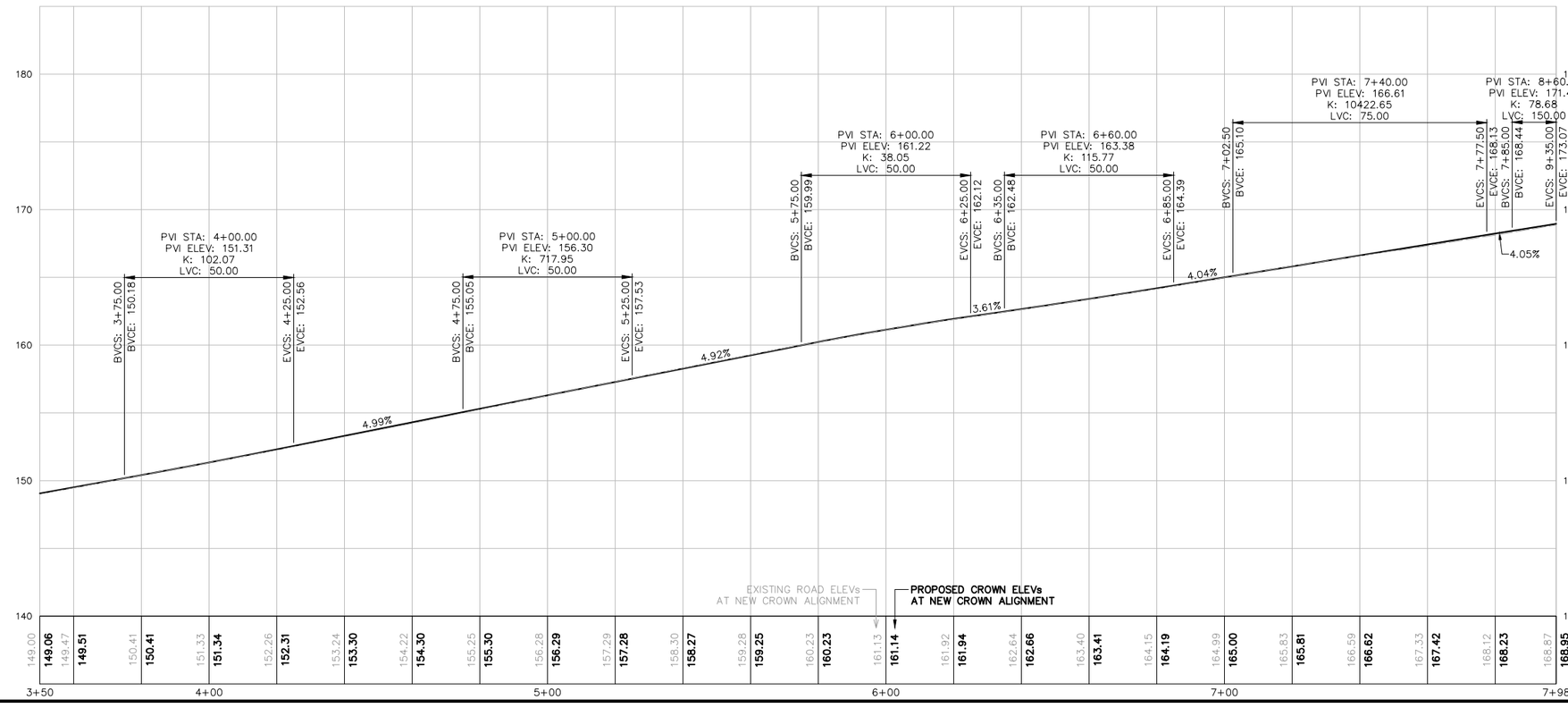
SHEET C7.01
PAGE 50 OF X

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MATCHLINE – SEE SHEET C7.01 TOP RIGHT

MATCHLINE – SEE SHEET C7.03 TOP LEFT





NO.	REVISIONS	BY	DATE

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1. = SAWCUT HMA. MATCH NEW TO EXISTING
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3. = REPLACE AC SURFACING TO MATCH EXISTING

SHEET NOTES:
1) SEE SHEETS C7.09–C7.20 FOR CORRESPONDING SECTION VIEWS.

SCALE 20 0 20 40 FEET HORIZONTAL SCALE

SCALE 5 0 5 10 FEET VERTICAL SCALE

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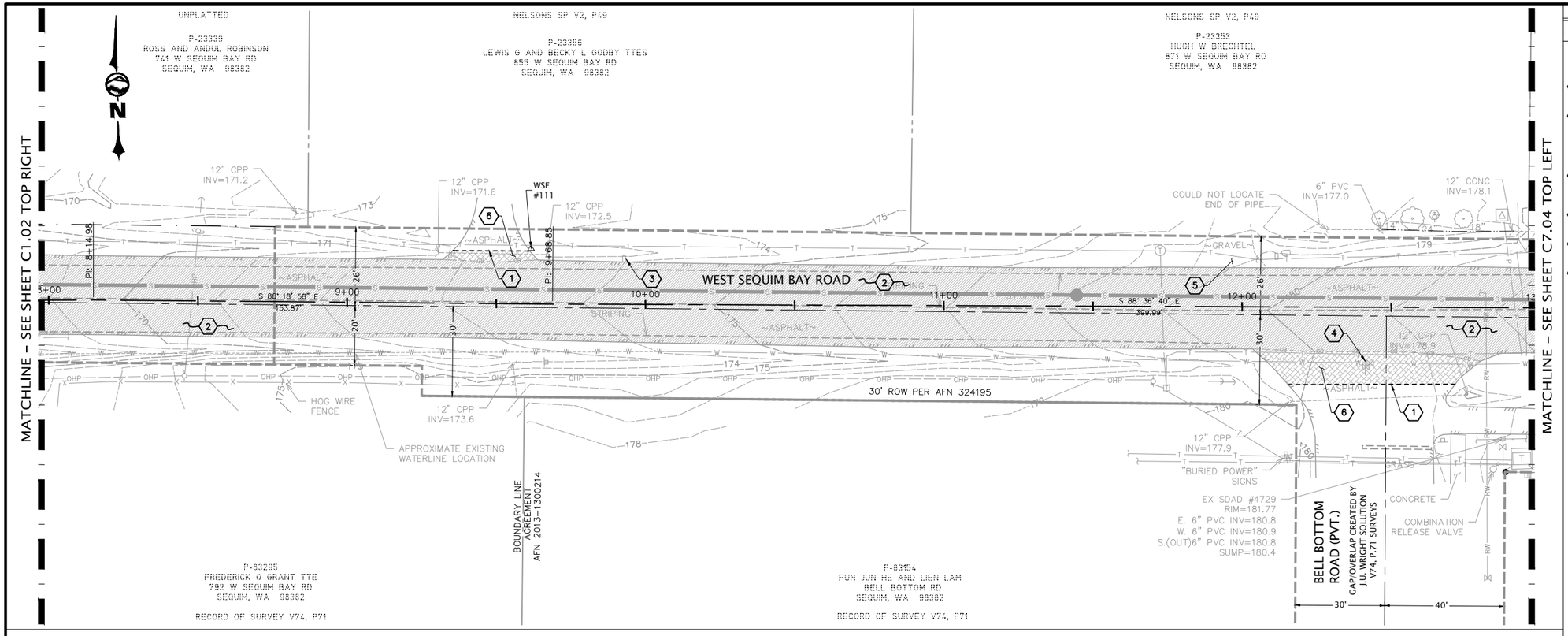
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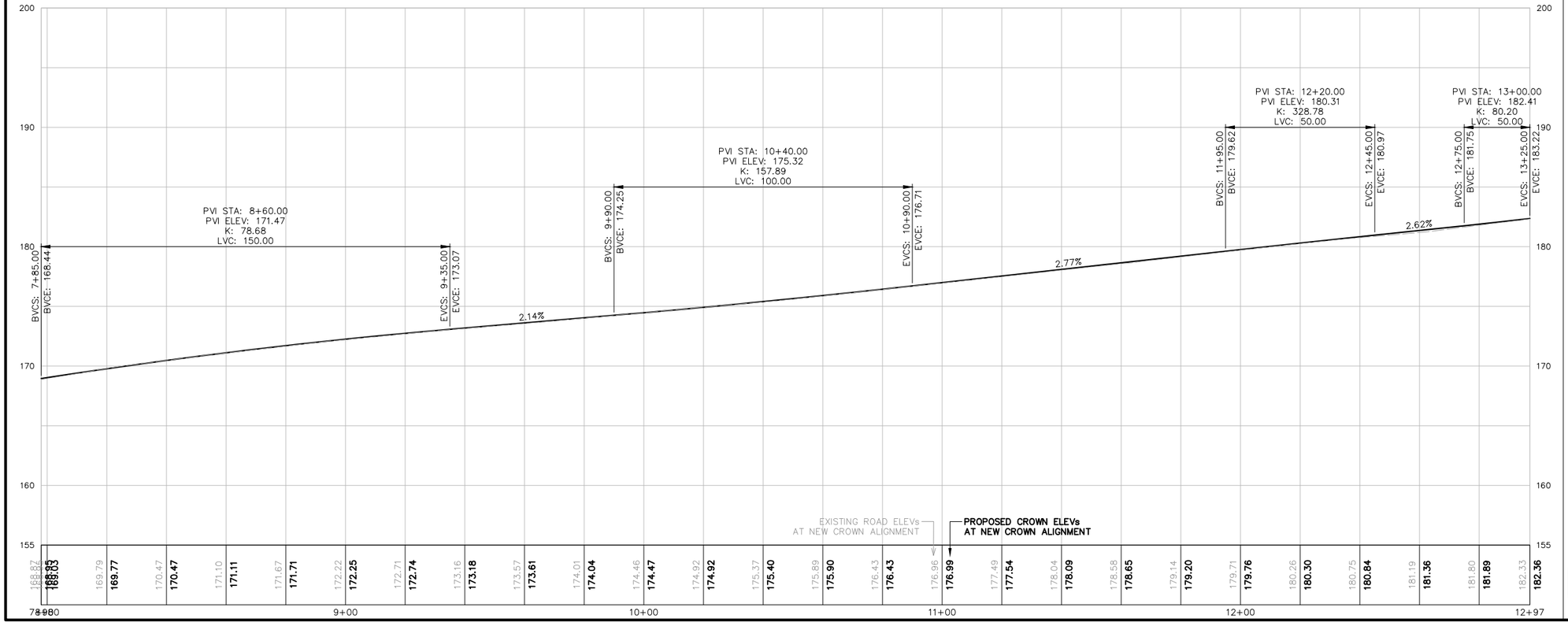
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SHEET	DATE	SCALE	JOB NUMBER
C7.02	2-23-2024	AS SHOWN	2023-069

PAGE 51 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
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3. = PROTECT OR REMOVE & REPLACE EX. MAILBOX AS NEEDED FOR ROAD REPLACEMENT
4. = PROTECT EX. GATE VALVE BOXES (TO REMAIN). MATCH EX. RIM ELEVATION
5. = RESTORE GRAVEL DRIVEWAY TO MATCH EDGE OF ROADWAY
6. = REPLACE AC SURFACING TO MATCH EXISTING

SHEET NOTES:
1) SEE SHEETS C7.09–C7.20 FOR CORRESPONDING SECTION VIEWS.

SCALE 20 0 20 40 FEET — HORIZONTAL SCALE

SCALE 5 0 5 10 FEET — VERTICAL SCALE

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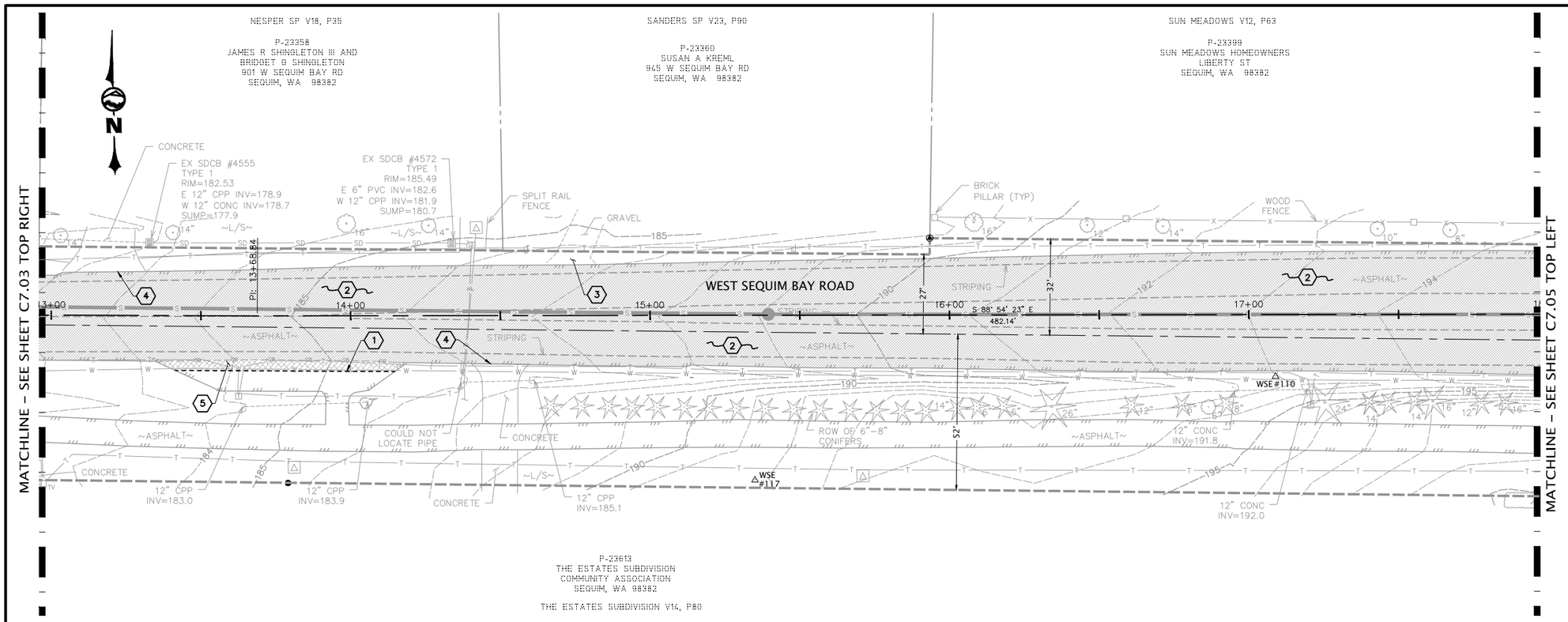
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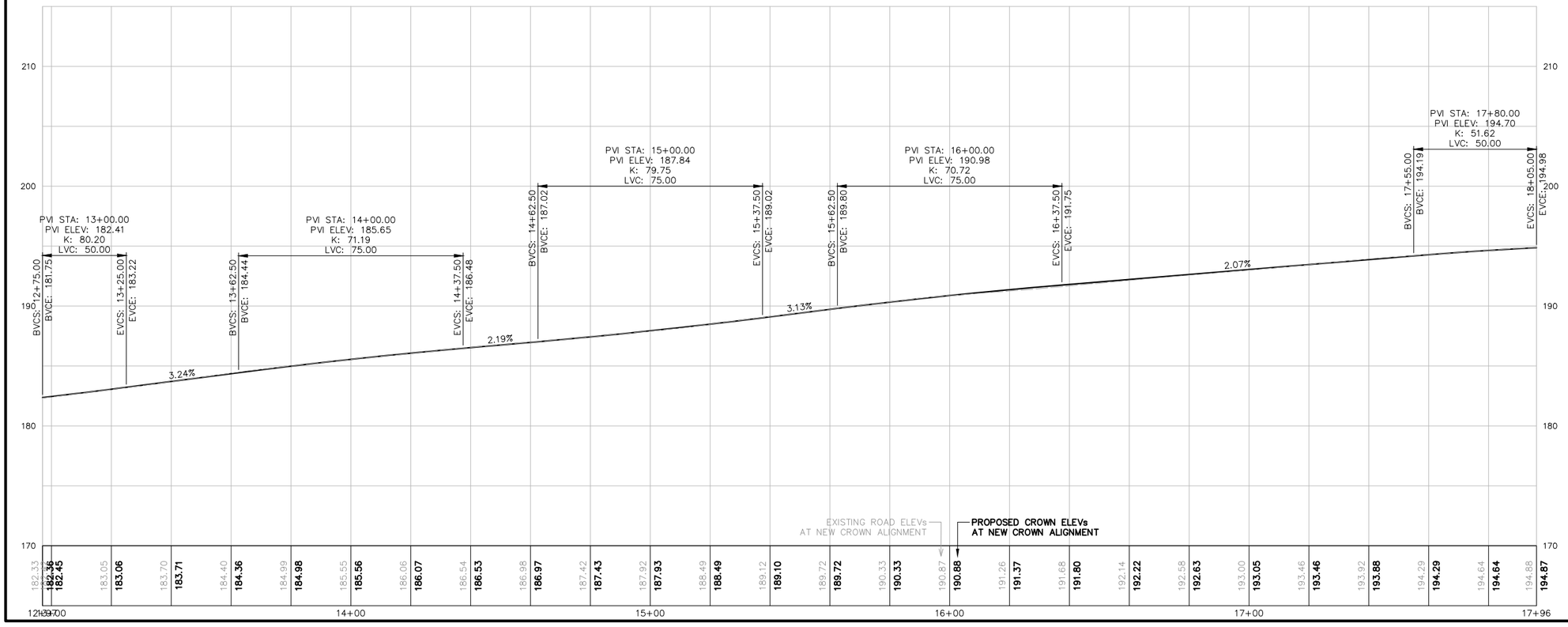
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SEQUIM WASHINGTON
WEST SEQUIM BAY ROAD CORRIDOR PROJECT
ROADWAY PLANS – WEST SEQUIM BAY ROAD STA 7+98–12+97

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C7.03
PAGE 52 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
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NO.	REVISIONS	BY	DATE

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3. = RESTORE GRAVEL DRIVEWAY TO MATCH EDGE OF ROADWAY
4. = MATCH EX. EDGE OF CONCRETE
5. = REPLACE AC SURFACING TO MATCH EXISTING

SHEET NOTES:
1) SEE SHEETS C7.09–C7.20 FOR CORRESPONDING SECTION VIEWS.

SCALE 20 0 20 40 FEET — HORIZONTAL SCALE

SCALE 5 0 5 10 FEET — VERTICAL SCALE

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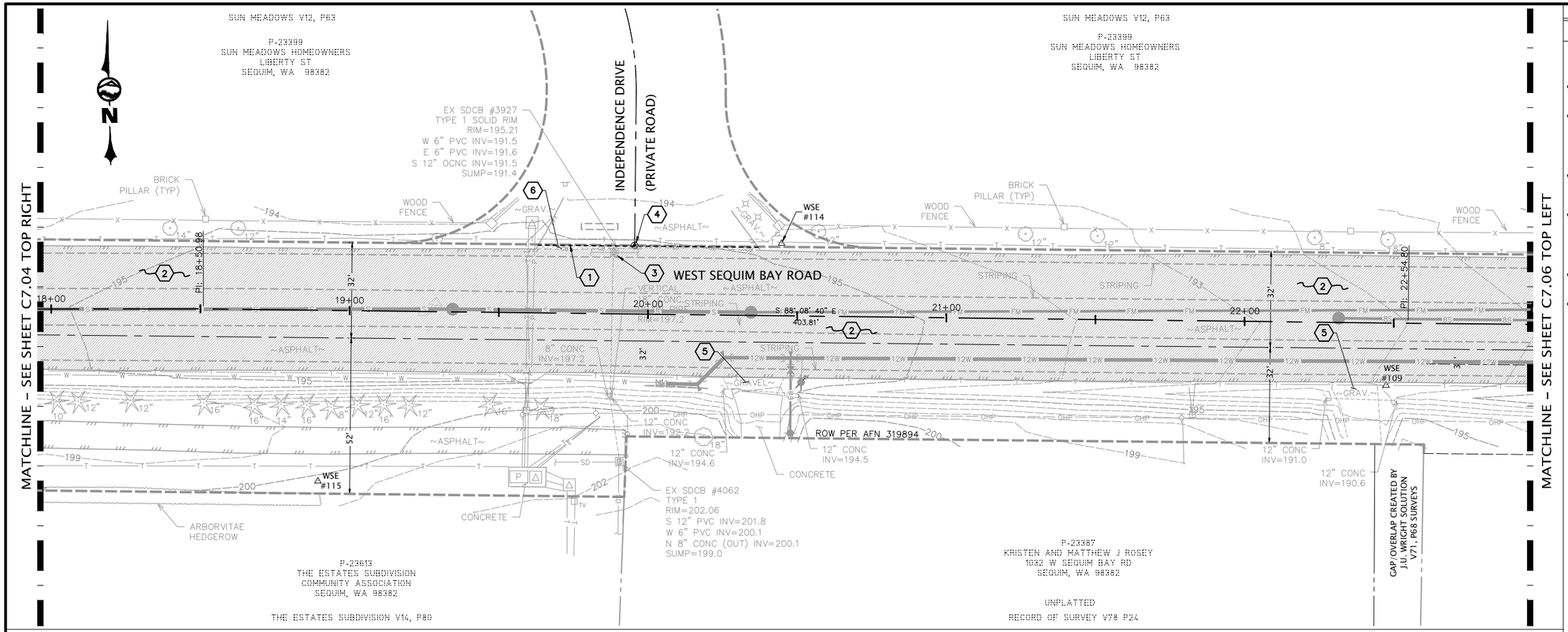
ROADWAY PLANS – WEST SEQUIM BAY ROAD STA 12+97–17+96

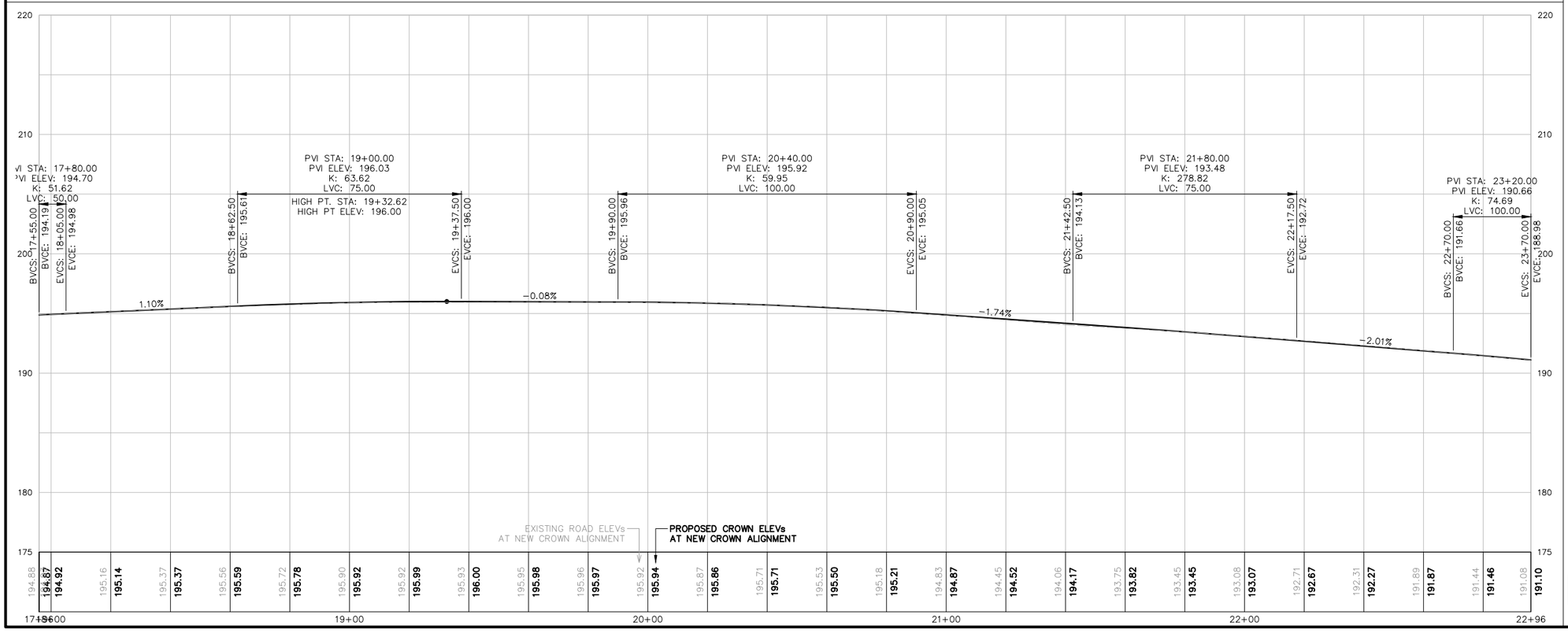
DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C7.04

PAGE 53 OF X

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NO.	REVISIONS	BY	DATE

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3. = PROTECT EX. SDCB (TO REMAIN). MATCH EX. RIM ELEVATION
4. = PROTECT EX. SURVEY MONUMENT. INSTALL NEW MONUMENT CASE AND COVER. SEE DETAIL X/C9.08
5. = RESTORE GRAVEL DRIVEWAY TO MATCH EDGE OF ROADWAY
6. = REPLACE AC SURFACING TO MATCH EXISTING

SHEET NOTES:
1) SEE SHEETS C7.09–C7.20 FOR CORRESPONDING SECTION VIEWS.

SCALE 20 0 20 40 FEET
HORIZONTAL SCALE

SCALE 5 0 5 10 FEET
VERTICAL SCALE

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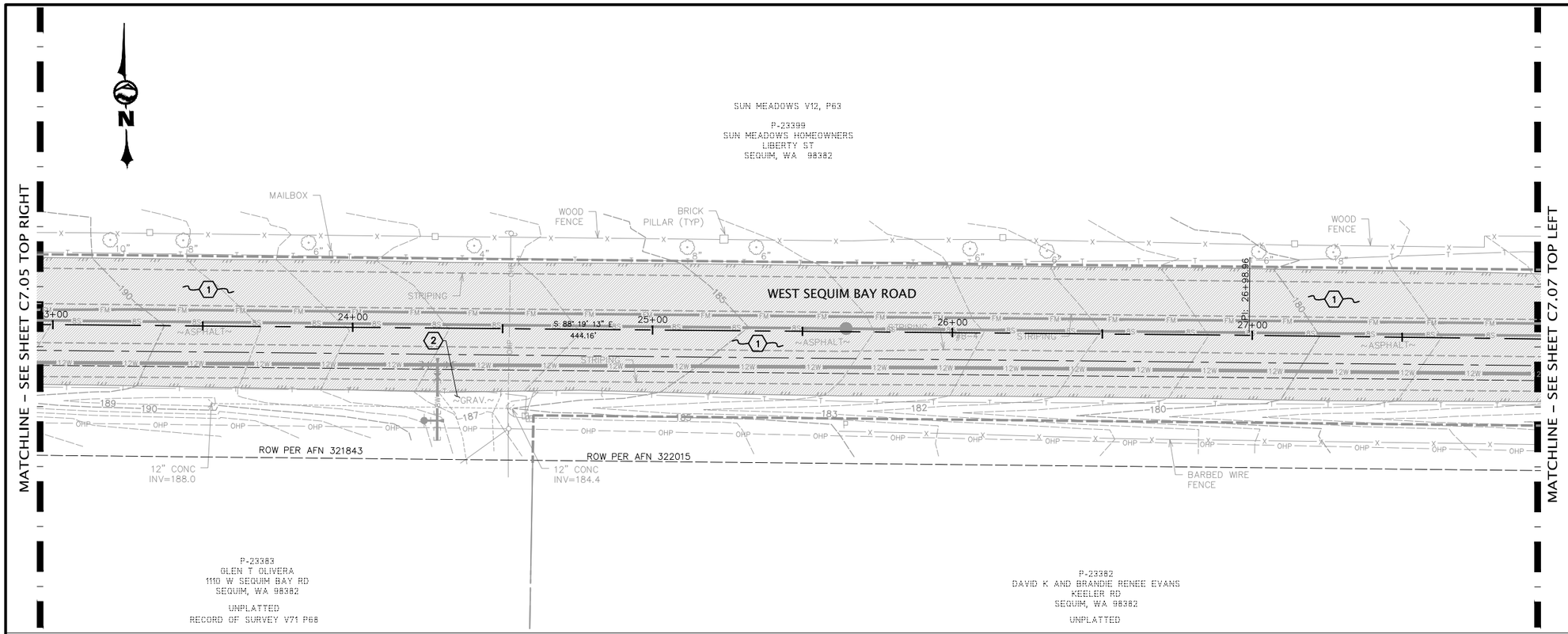
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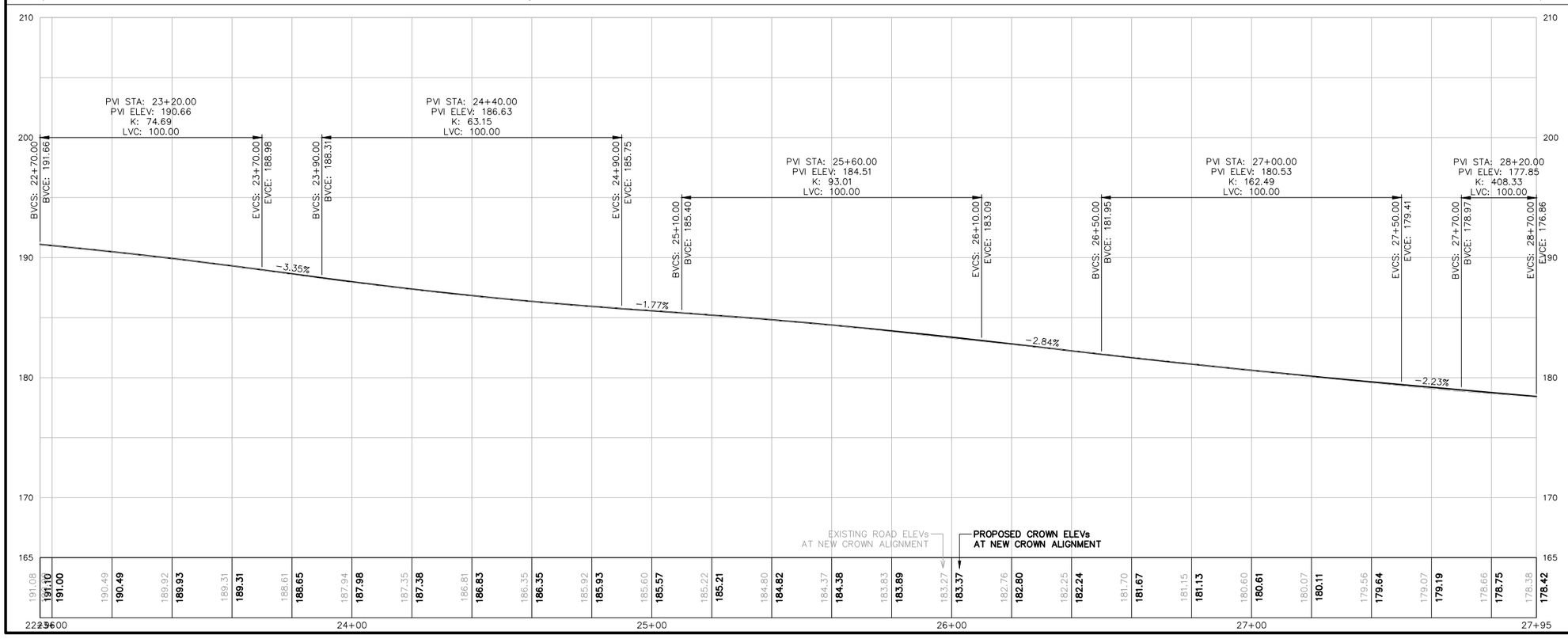
ROADWAY PLANS – WEST SEQUIM BAY ROAD STA 17+96–22+96

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C7.05
PAGE 54 OF X

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NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = ROAD REPLACEMENT, MATCH EXISTING PAVED LIMITS. REMOVE EX. HMA & EXCAVATE SUBGRADE FOR FULL ARTERIAL SECTION REPLACEMENT. SEE DETAIL FOR TYPICAL ROADWAY SECTION. (X / C9.08)
2. = RESTORE GRAVEL DRIVEWAY TO MATCH EDGE OF ROADWAY

SHEET NOTES:
1) SEE SHEETS C7.09–C7.20 FOR CORRESPONDING SECTION VIEWS.

SCALE 20 0 20 40 FEET — HORIZONTAL SCALE

SCALE 5 0 5 10 FEET — VERTICAL SCALE

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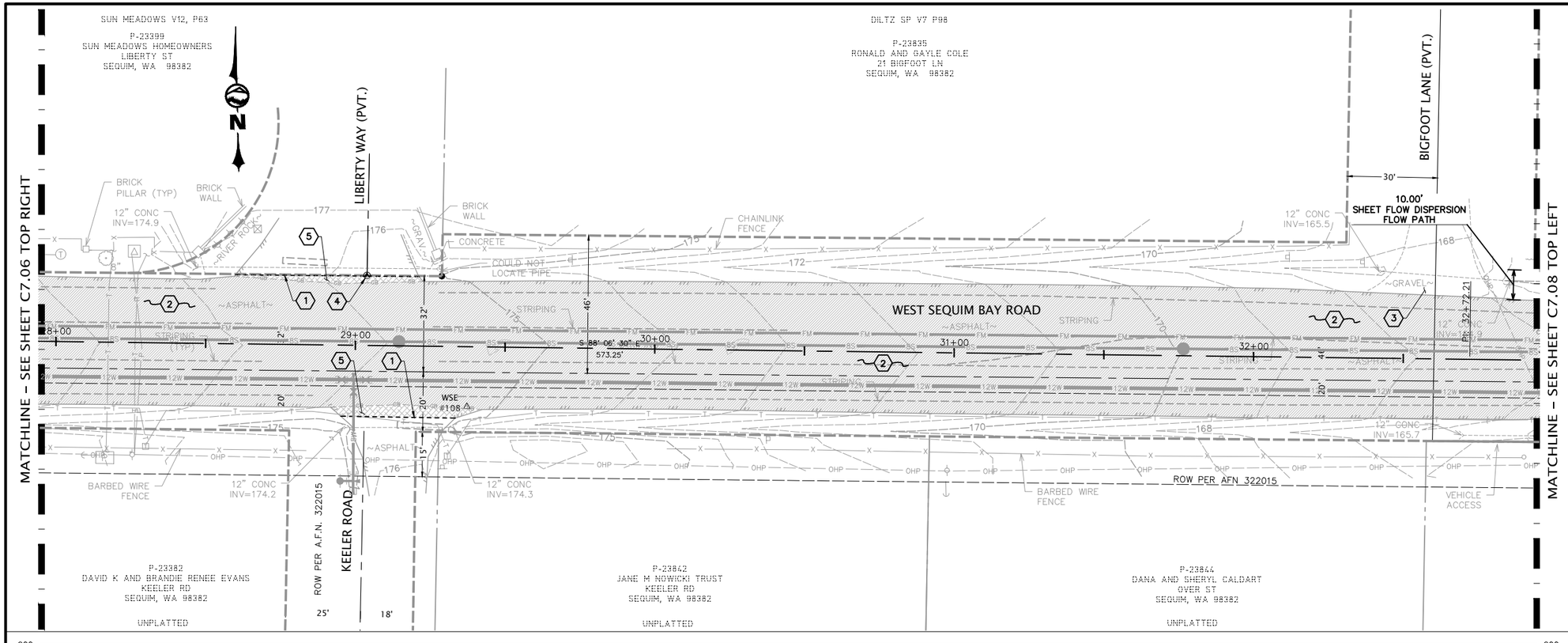
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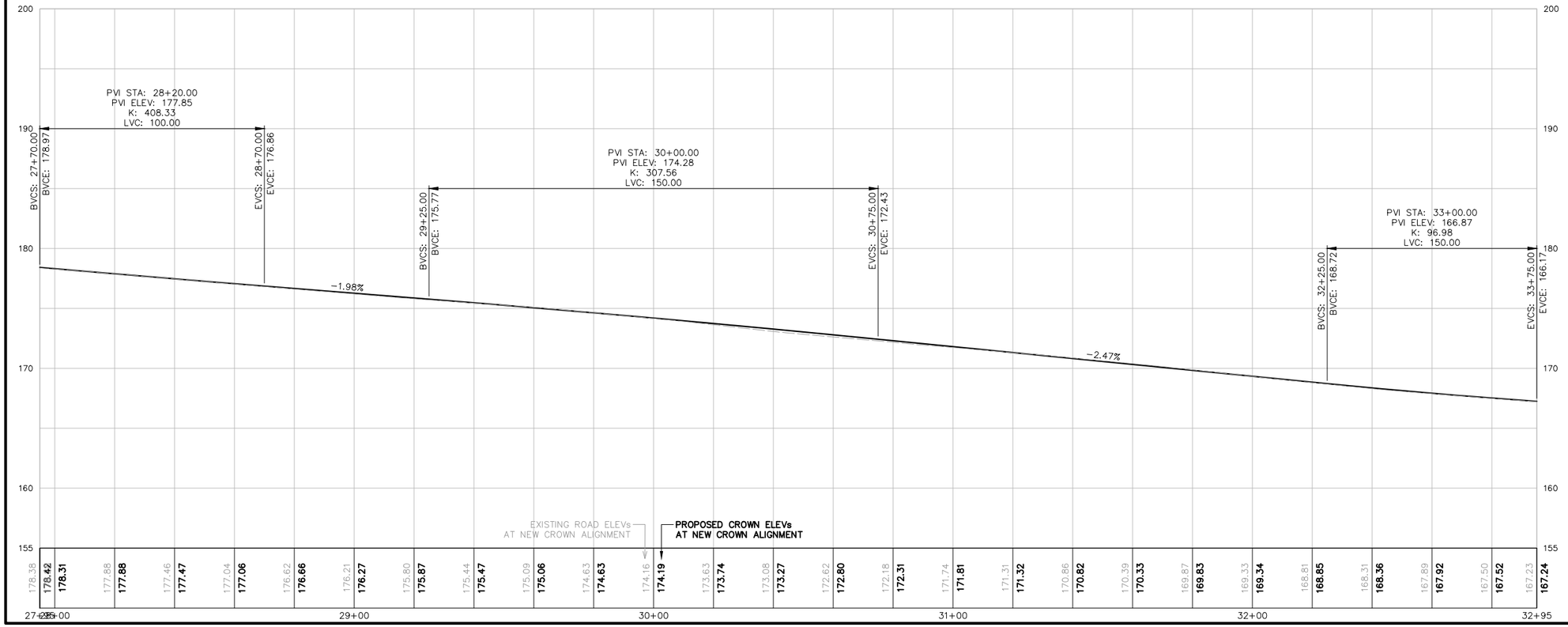
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WEST SEQUIM BAY ROAD CORRIDOR PROJECT
SEQUIM WASHINGTON
ROADWAY PLANS – WEST SEQUIM BAY ROAD STA 22+96–27+95

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C7.06
PAGE 55 OF X

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3. = RESTORE GRAVEL DRIVEWAY TO MATCH EDGE OF ROADWAY
4. = PROTECT EX. SURVEY MONUMENT. INSTALL NEW MONUMENT CASE AND COVER. SEE DETAIL X/C9.08
5. = REPLACING AC SURFACING TO MATCH EXISTING

SHEET NOTES:
1) SEE SHEETS C7.09–C7.20 FOR CORRESPONDING SECTION VIEWS.

SCALE 20 0 20 40 FEET
HORIZONTAL SCALE

SCALE 5 0 5 10 FEET
VERTICAL SCALE

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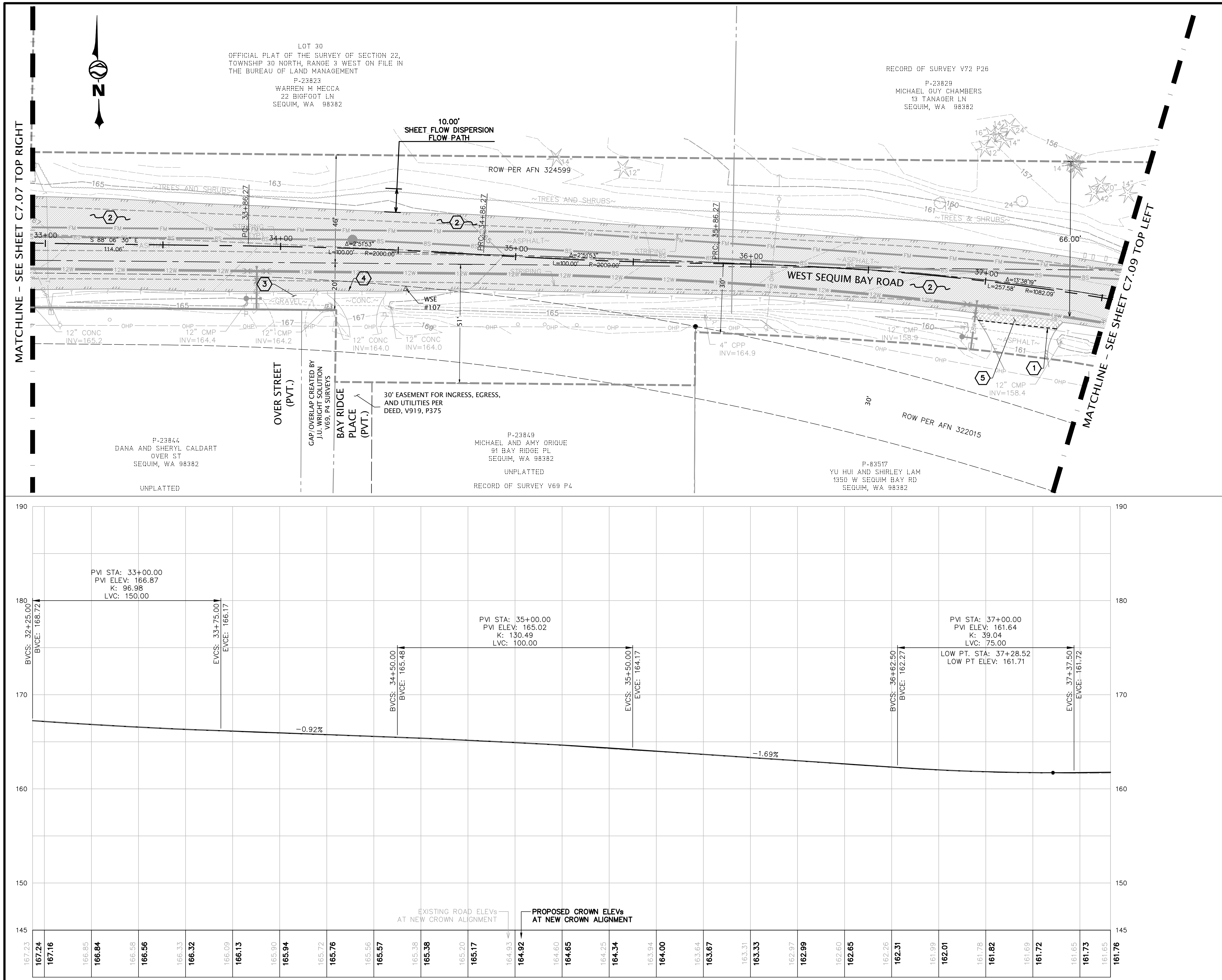
ROADWAY PLANS – WEST SEQUIM BAY ROAD STA 27+95–32+95

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C7.07

PAGE 56 OF X

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3. = RESTORE GRAVEL DRIVEWAY TO MATCH EDGE OF ROADWAY
4. = MATCH EX. EDGE OF CONCRETE
5. = REPLACE AC SURFACING TO MATCH EXISTING

SHEET NOTES:
1) SEE SHEETS C7.09–C7.20 FOR CORRESPONDING SECTION VIEWS.

20 0 20 40
SCALE HORIZONTAL SCALE FEET

5 0 5 10
SCALE VERTICAL SCALE FEET

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CITY OF SEQUIM

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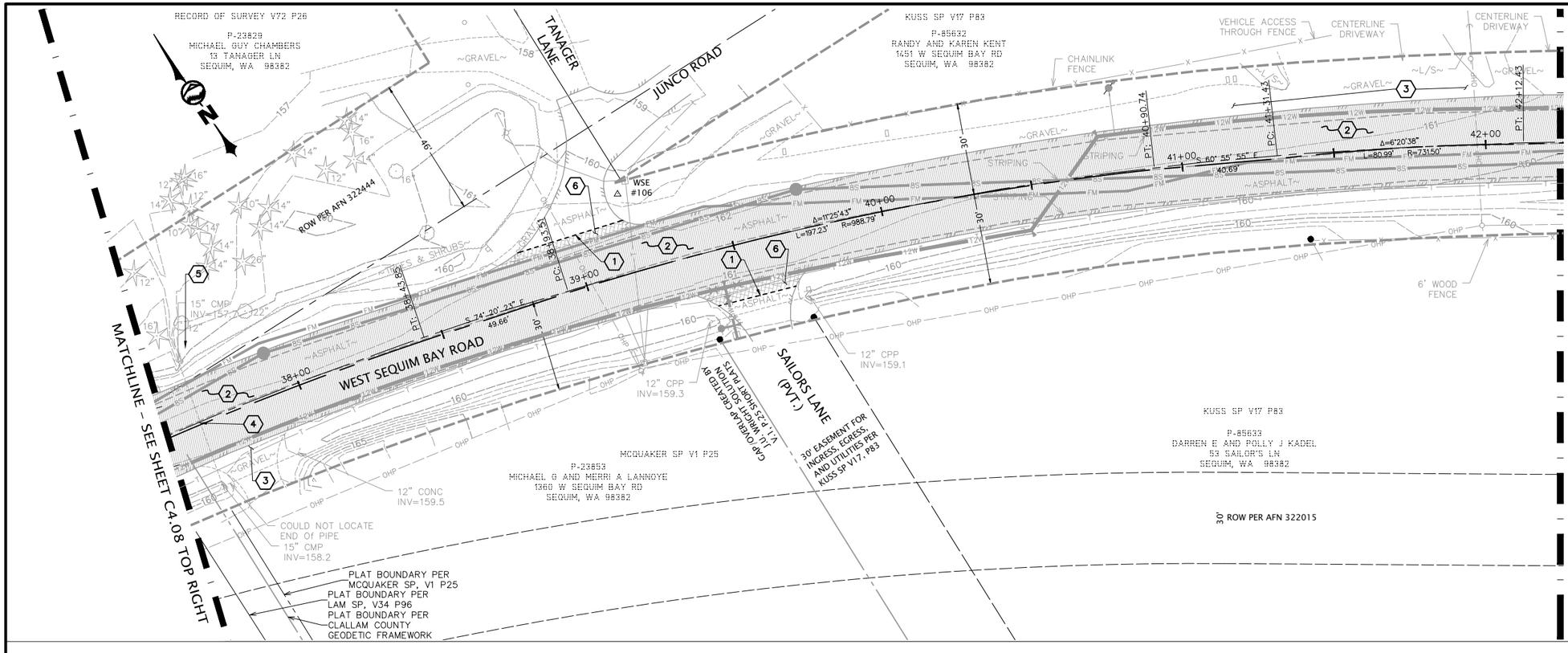
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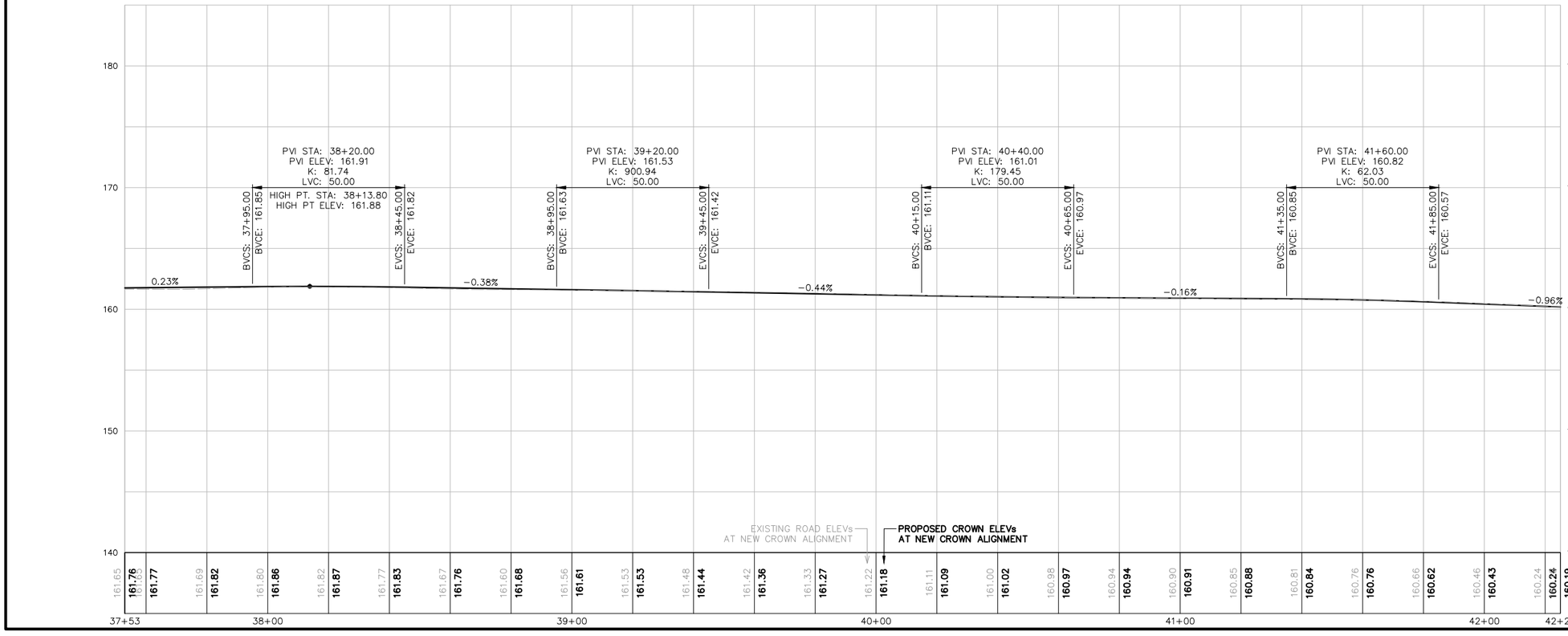
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SHEET C7.08

PAGE 57 OF X

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3. = RESTORE GRAVEL DRIVEWAY TO MATCH EDGE OF ROADWAY
4. = REPLACE EXISTING 15" CMP WITH NEW 18" CPP
5. = ROCK-LINED OUTFALL PROTECTION
6. = REPLACE AC SURFACING TO MATCH EXISTING

SHEET NOTES:
1) SEE SHEETS C7.09-C7.20 FOR CORRESPONDING SECTION VIEWS.

SCALE HORIZONTAL SCALE FEET: 20 0 20 40

SCALE VERTICAL SCALE FEET: 5 0 5 10

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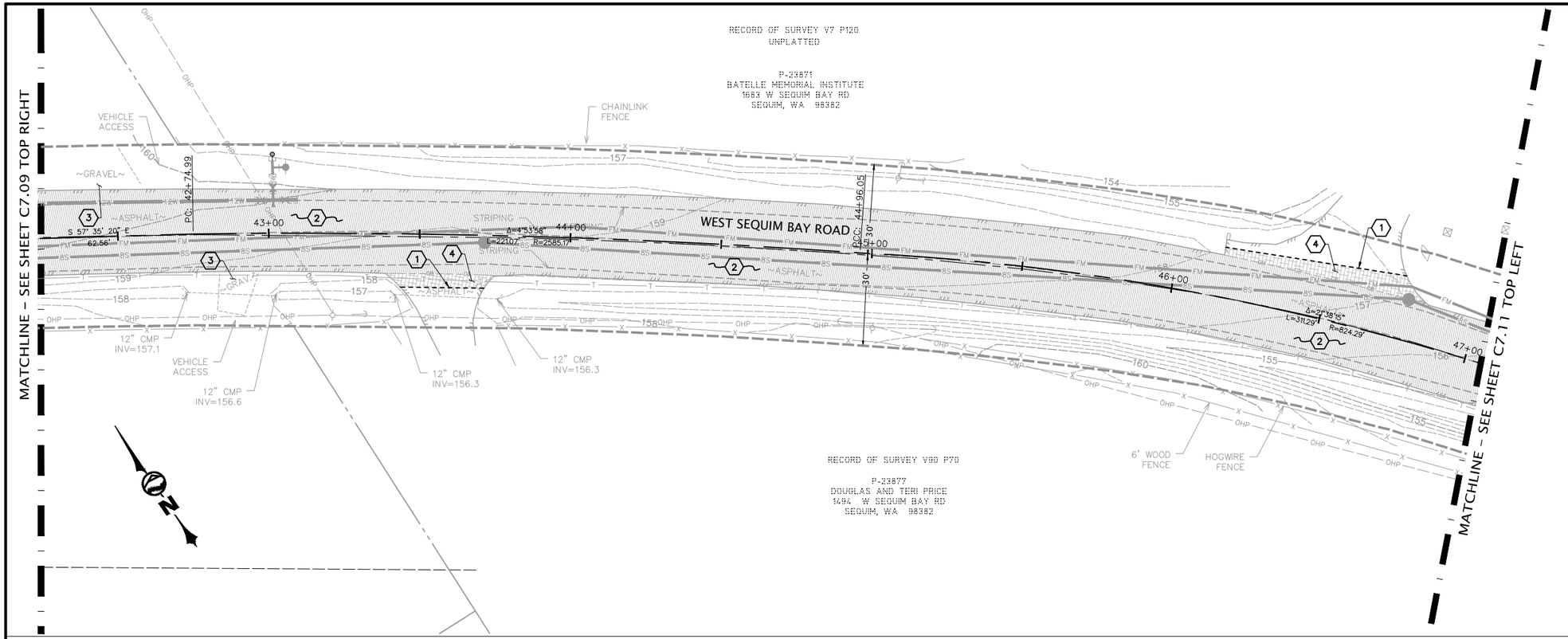
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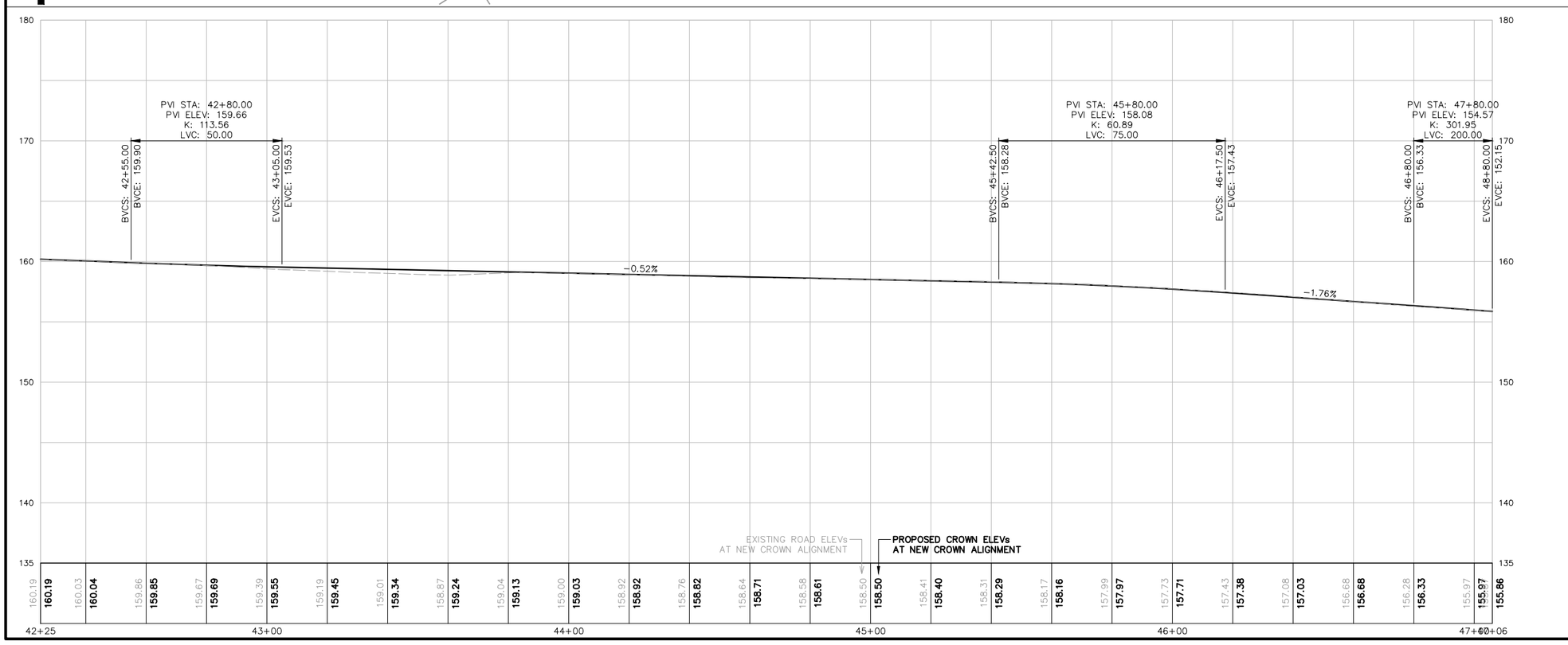
DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C7.09

PAGE 58 OF X

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3. = RESTORE GRAVEL DRIVEWAY TO MATCH EDGE OF ROADWAY
4. = REPLACE AC SURFACING TO MATCH EXISTING

SHEET NOTES:
1) SEE SHEETS C7.09–C7.20 FOR CORRESPONDING SECTION VIEWS.

SCALE 20 0 20 40 FEET — HORIZONTAL SCALE

SCALE 5 0 5 10 FEET — VERTICAL SCALE

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CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

SEQUIM WASHINGTON

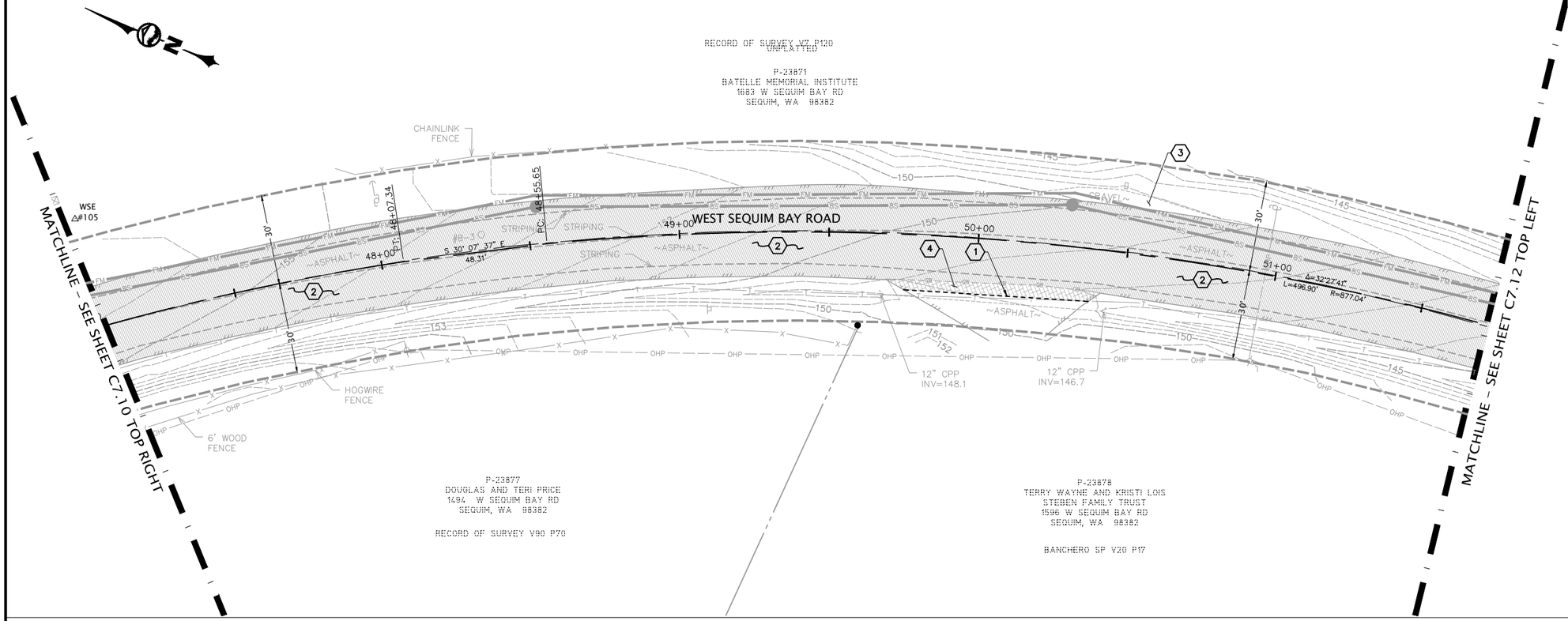
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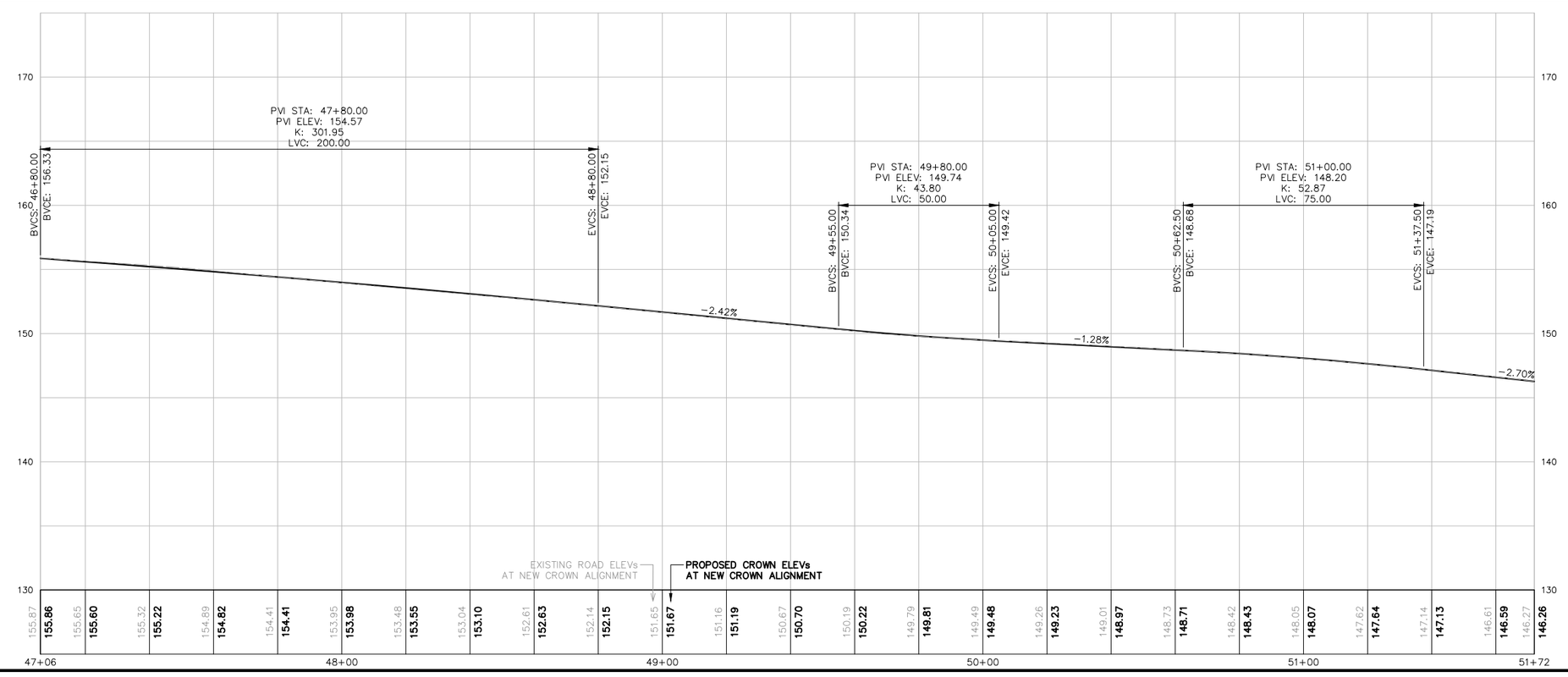
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2-23-2024	AS SHOWN	2023-069

SHEET C7.10

PAGE 59 OF X

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KEYED NOTES

1. = SAWCUT HMA. MATCH NEW TO EXISTING
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3. = RESTORE GRAVEL DRIVEWAY, SHOULDER, OR PULLOUT TO MATCH EDGE OF ROADWAY
4. = REPLACE AC SURFACING TO MATCH EXISTING

SHEET NOTES:
1) SEE SHEETS C7.09–C7.20 FOR CORRESPONDING SECTION VIEWS.

SCALE 20 0 20 40 FEET
HORIZONTAL SCALE

SCALE 5 0 5 10 FEET
VERTICAL SCALE

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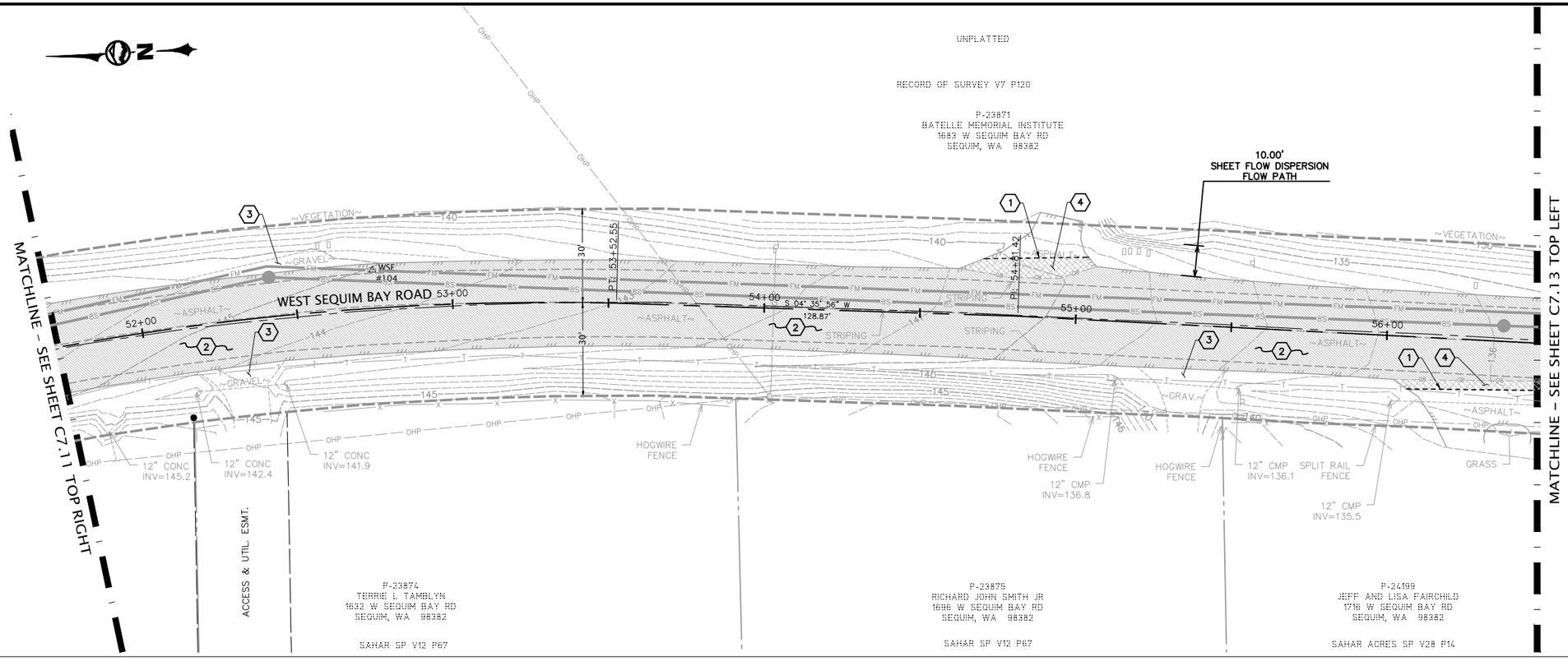
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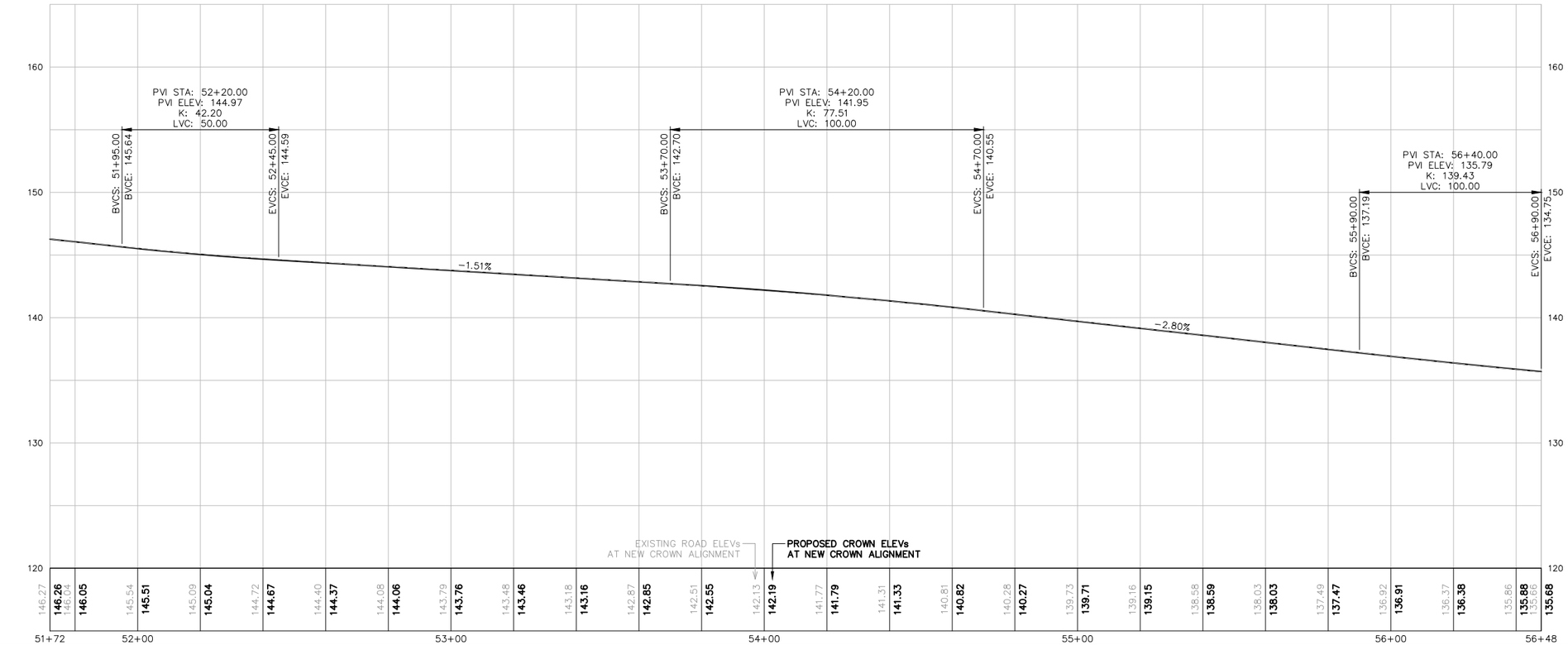
CITY OF SEQUIM
SEQUIM WASHINGTON
WEST SEQUIM BAY ROAD CORRIDOR PROJECT
ROADWAY PLANS – WEST SEQUIM BAY ROAD STA 47+06–51+72

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C7.11
PAGE 60 OF X

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3. = RESTORE GRAVEL DRIVEWAY, SHOULDER, OR PULLOUT TO MATCH EDGE OF ROADWAY
4. = REPLACE AC SURFACING TO MATCH EXISTING

SHEET NOTES:
1) SEE SHEETS C7.09–C7.20 FOR CORRESPONDING SECTION VIEWS.

SCALE HORIZONTAL SCALE FEET: 20 0 20 40

SCALE VERTICAL SCALE FEET: 5 0 5 10

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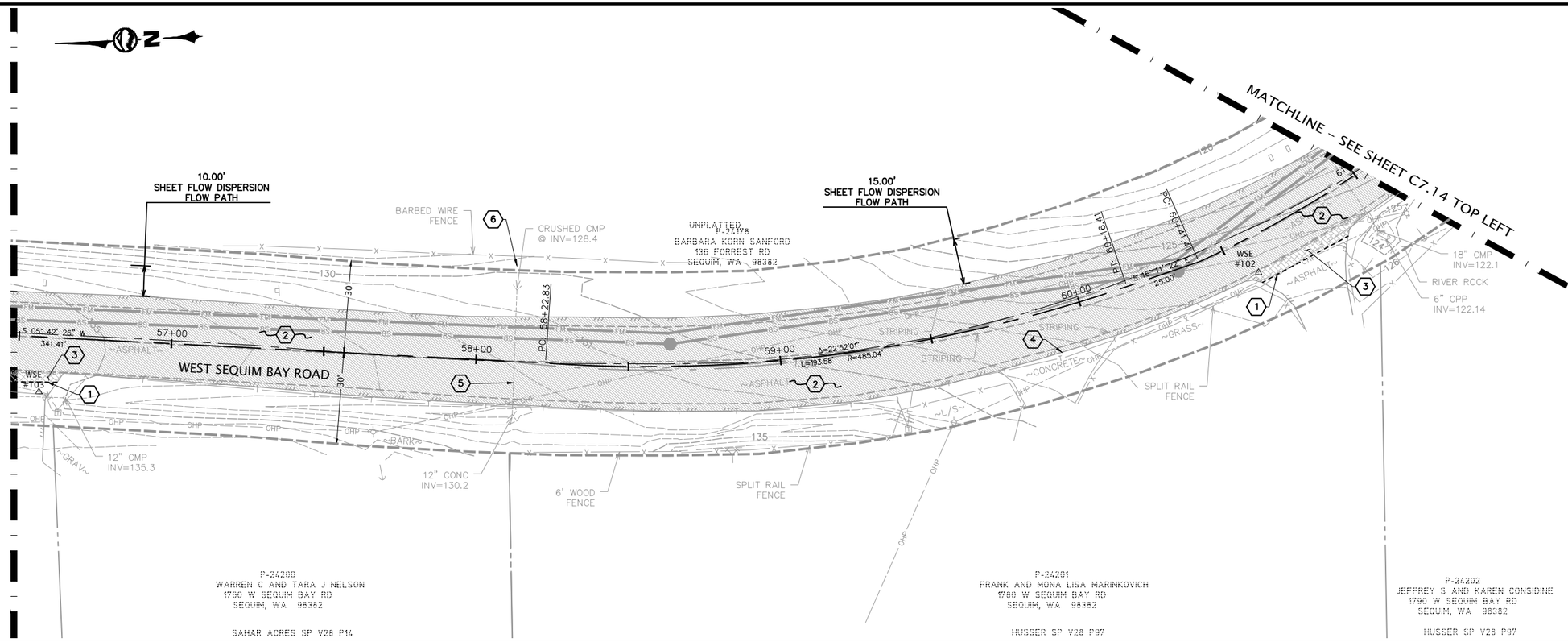
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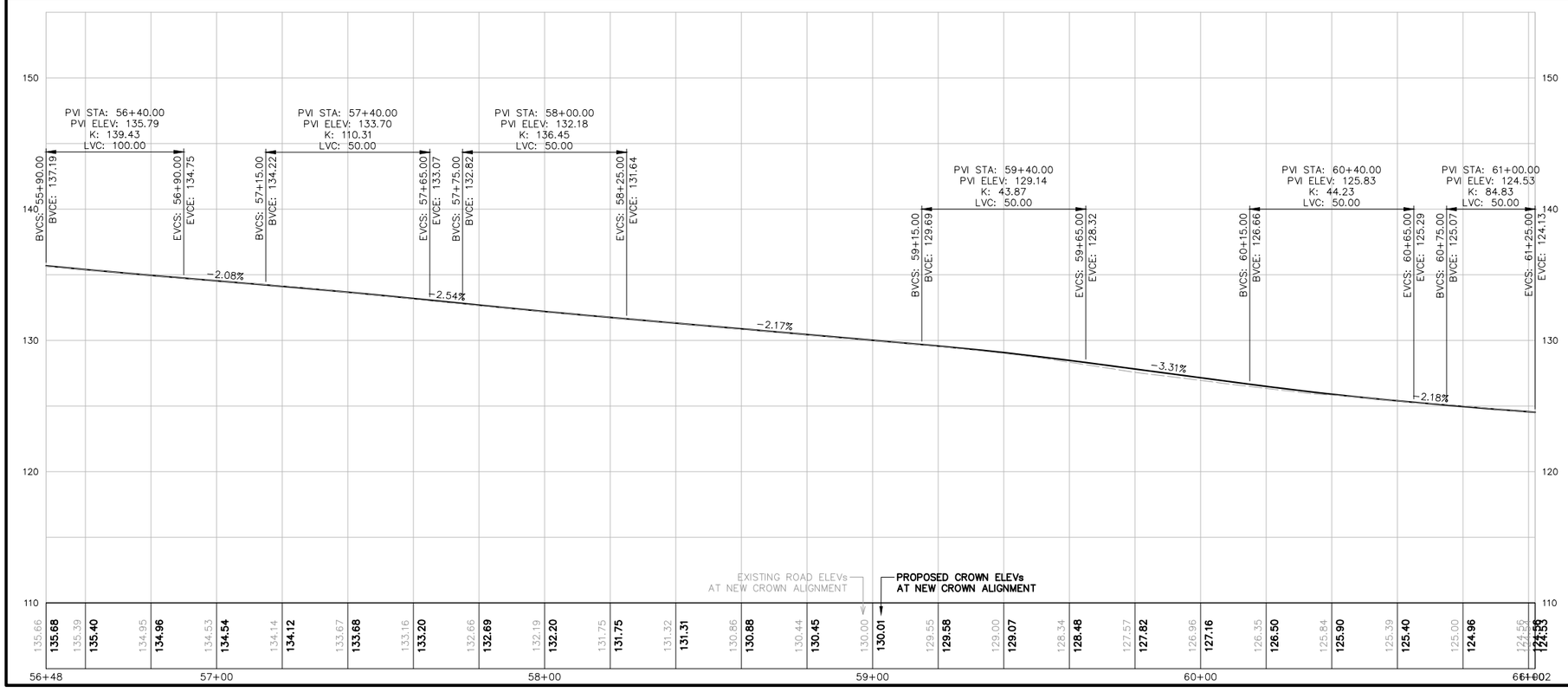
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ROADWAY PLANS – WEST SEQUIM BAY ROAD STA 51+72–56+48

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C7.12
PAGE 61 OF X

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KEYED NOTES

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3. = REPLACE AC SURFACING TO MATCH EXISTING
4. = MATCH EX. EDGE OF CONCRETE
5. = REPLACE EXISTING 12" CONC WITH NEW 15" CPEP
6. = ROCK–LINED OUTFALL PROTECTION

SHEET NOTES:
1) SEE SHEETS C7.09–C7.20 FOR CORRESPONDING SECTION VIEWS.

HORIZONTAL SCALE: 20 0 20 40 SCALE FEET

VERTICAL SCALE: 5 0 5 10 SCALE FEET

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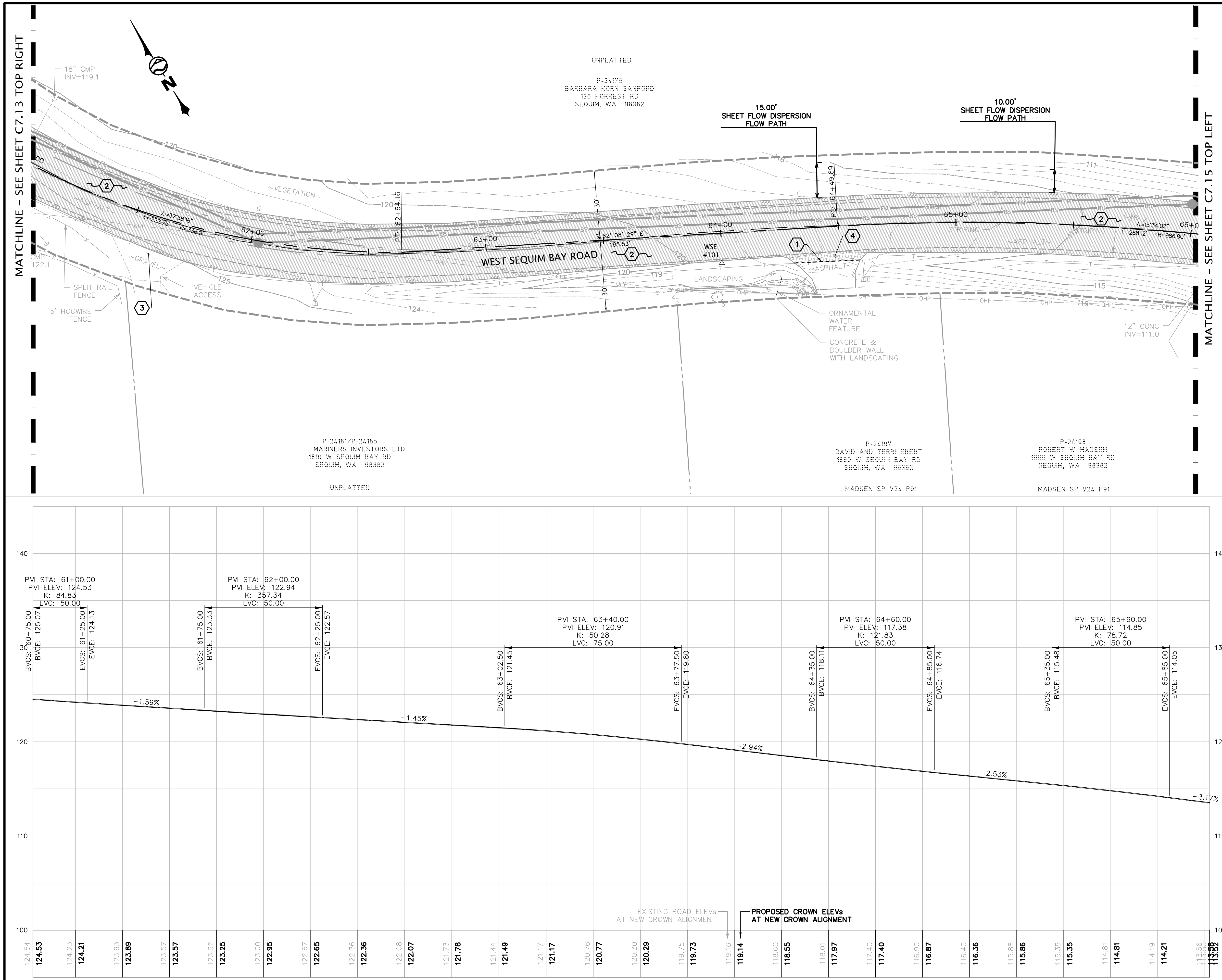
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CITY OF SEQUIM
WASHINGTON
WEST SEQUIM BAY ROAD CORRIDOR PROJECT
ROADWAY PLANS – WEST SEQUIM BAY ROAD STA 56+48–61+02

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C7.13
PAGE 62 OF X

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(3) = RESTORE GRAVEL DRIVEWAY TO MATCH EDGE OF ROADWAY

(4) = REPLACE AC SURFACING TO MATCH EXISTING

SHEET NOTES:
1) SEE SHEETS C7.09–C7.20 FOR CORRESPONDING SECTION VIEWS.

HORIZONTAL SCALE: 20 0 20 40 FEET

VERTICAL SCALE: 5 0 5 10 FEET

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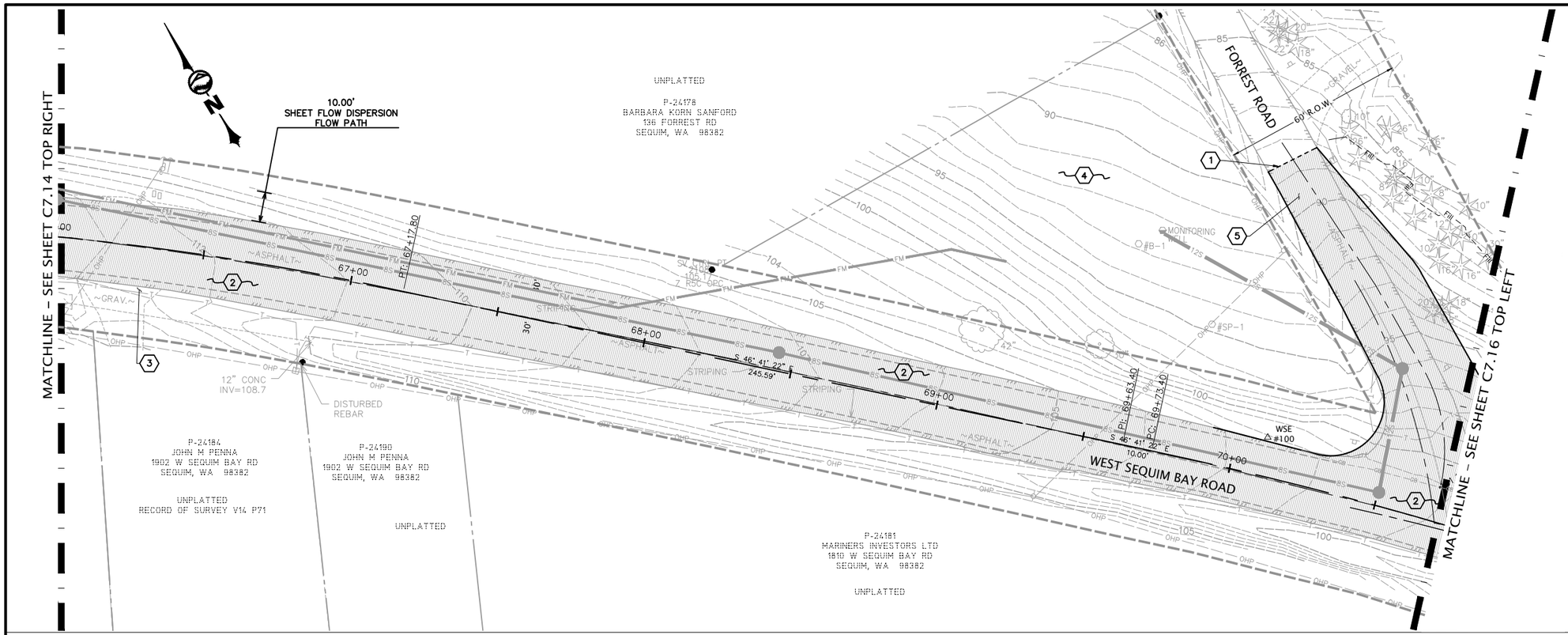
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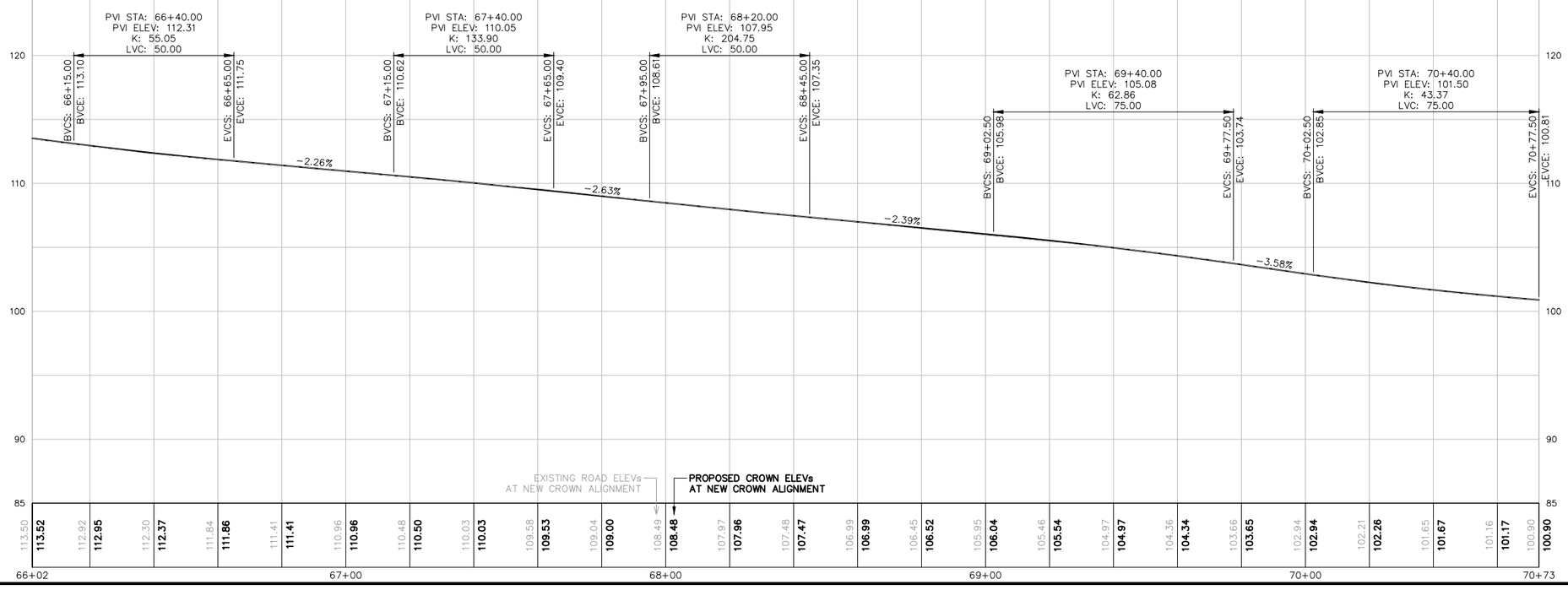
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DATE 2-23-2024 | SCALE AS SHOWN | JOB NUMBER 2023-069

SHEET C7.14 | PAGE 63 OF X

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3. = RESTORE GRAVEL DRIVEWAY TO MATCH EDGE OF ROADWAY
4. = SEE SHEET C8.01 FOR LIFT STATION DRAINAGE PLAN
5. = SEE FORREST ROAD PLAN/PROFILE AND SECTIONS, SHEETS #####-#####

SHEET NOTES:
1) SEE SHEETS C7.09–C7.20 FOR CORRESPONDING SECTION VIEWS.

SCALE 20 0 20 40 FEET — HORIZONTAL SCALE

SCALE 5 0 5 10 FEET — VERTICAL SCALE

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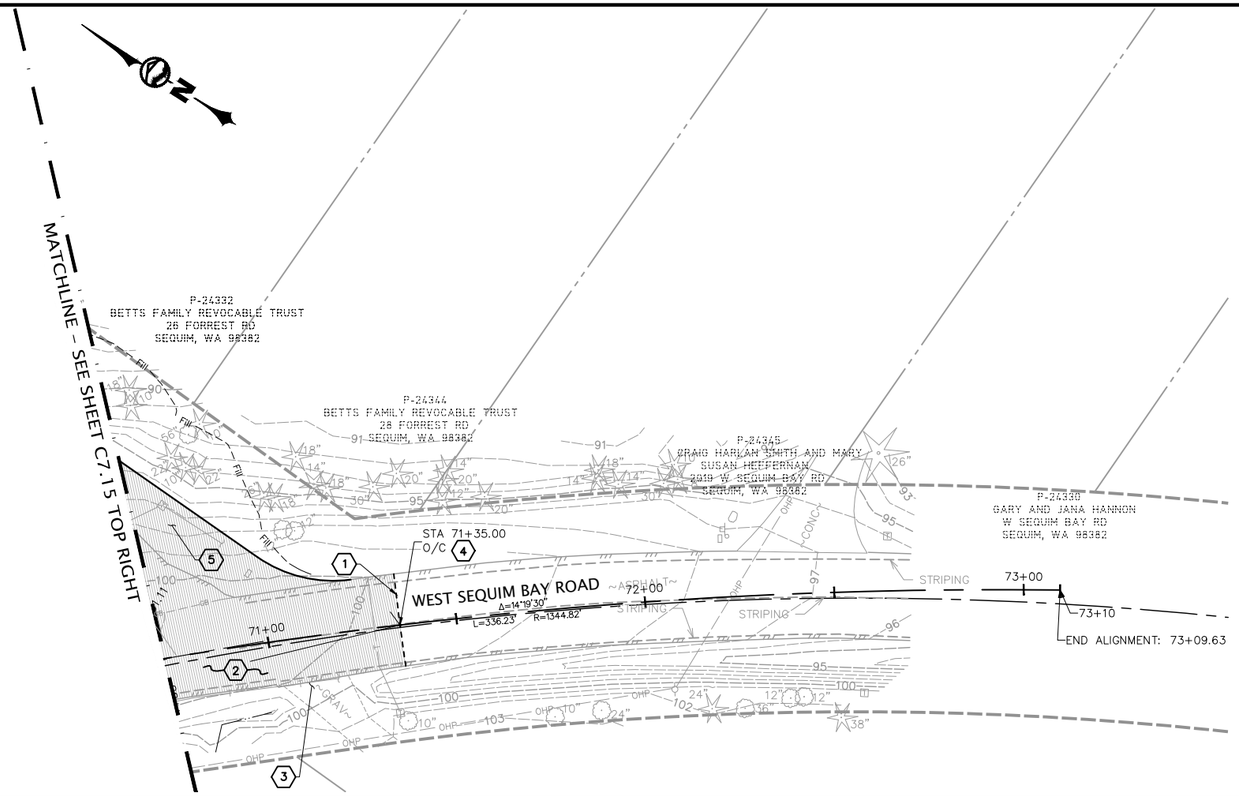
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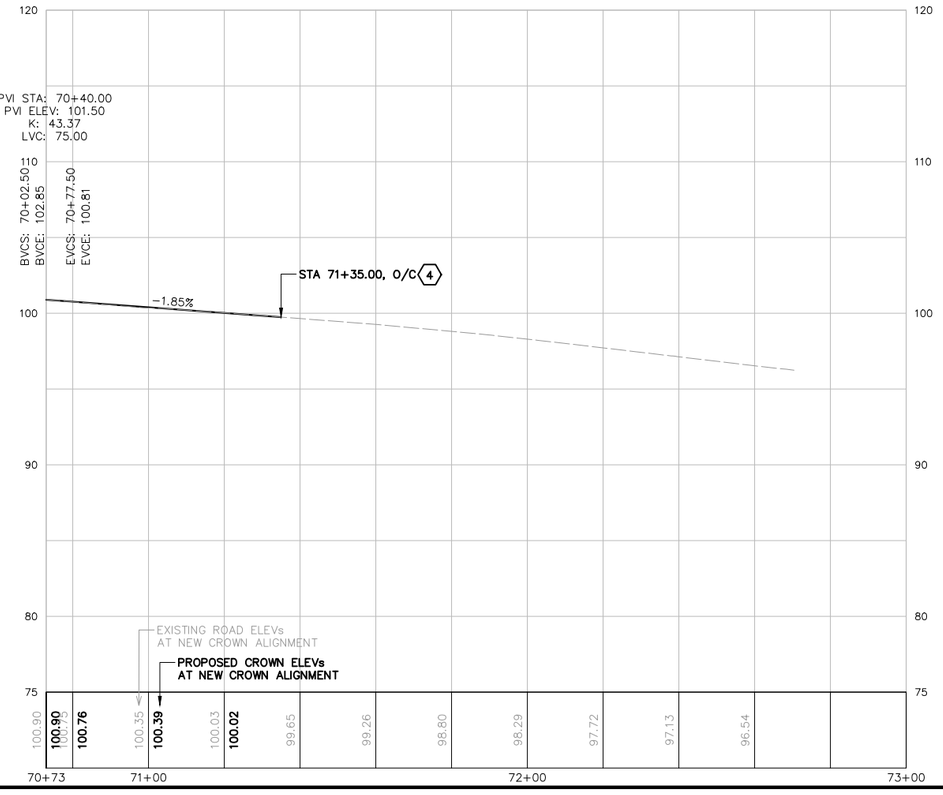
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ROADWAY PLANS – WEST SEQUIM BAY ROAD STA 66+02–70+73

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C7.15 — PAGE 64 OF X

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3. = RESTORE GRAVEL DRIVEWAY TO MATCH EDGE OF ROADWAY
4. = END ROADWAY REPLACEMENT MATCH EXISTING
5. = SEE FORREST ROAD PLAN/PROFILE AND SECTIONS, SHEETS #####-#####

SHEET NOTES:
1) SEE SHEETS C7.09–C7.20 FOR CORRESPONDING SECTION VIEWS.

SCALE HORIZONTAL SCALE FEET: 20 0 20 40

SCALE VERTICAL SCALE FEET: 5 0 5 10

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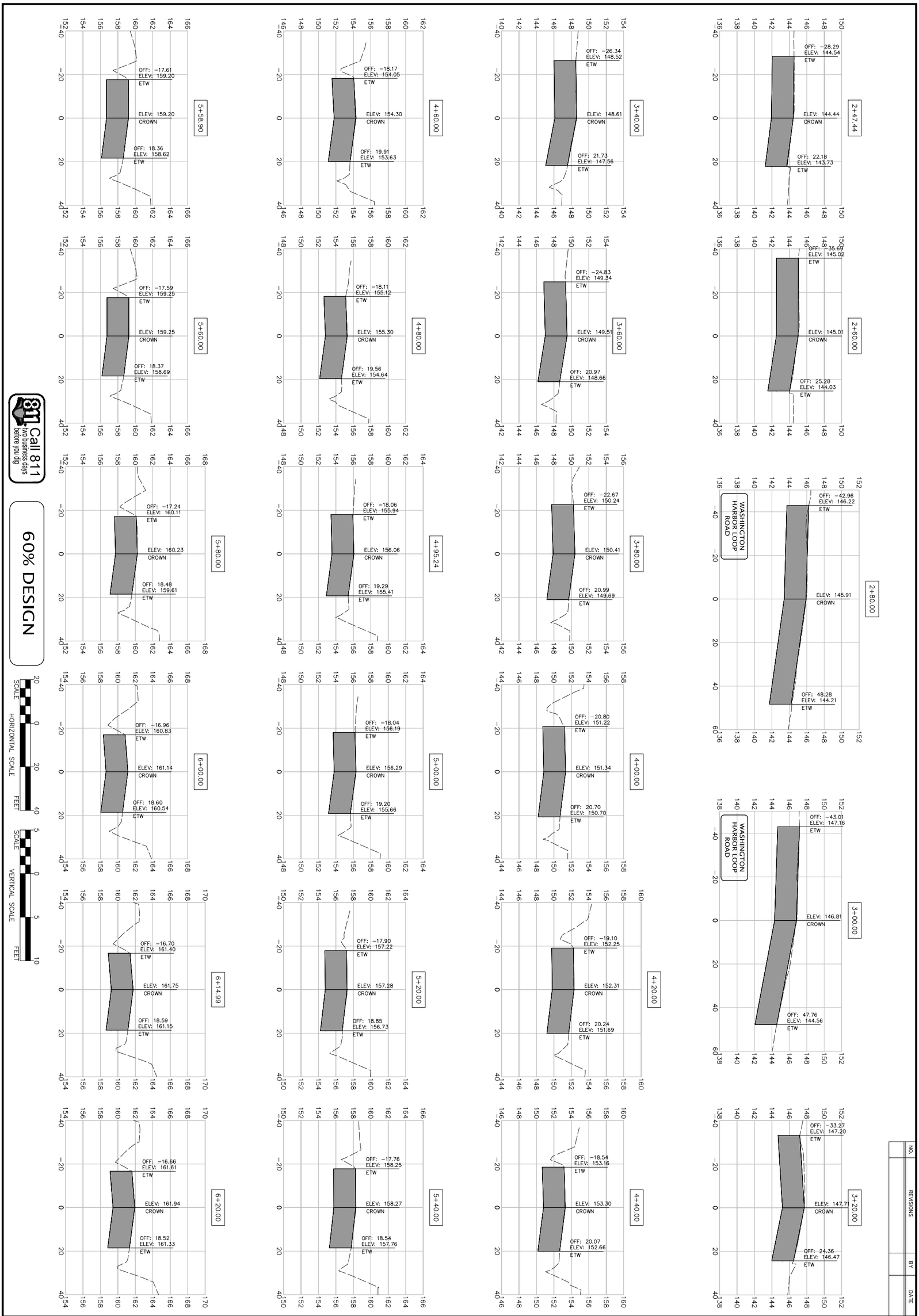
CITY OF SEQUIM
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ROADWAY PLANS – WEST SEQUIM BAY ROAD STA 70+73–73+00

DATE	SCALE	JOB NUMBER
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SHEET C7.16
PAGE 65 OF X

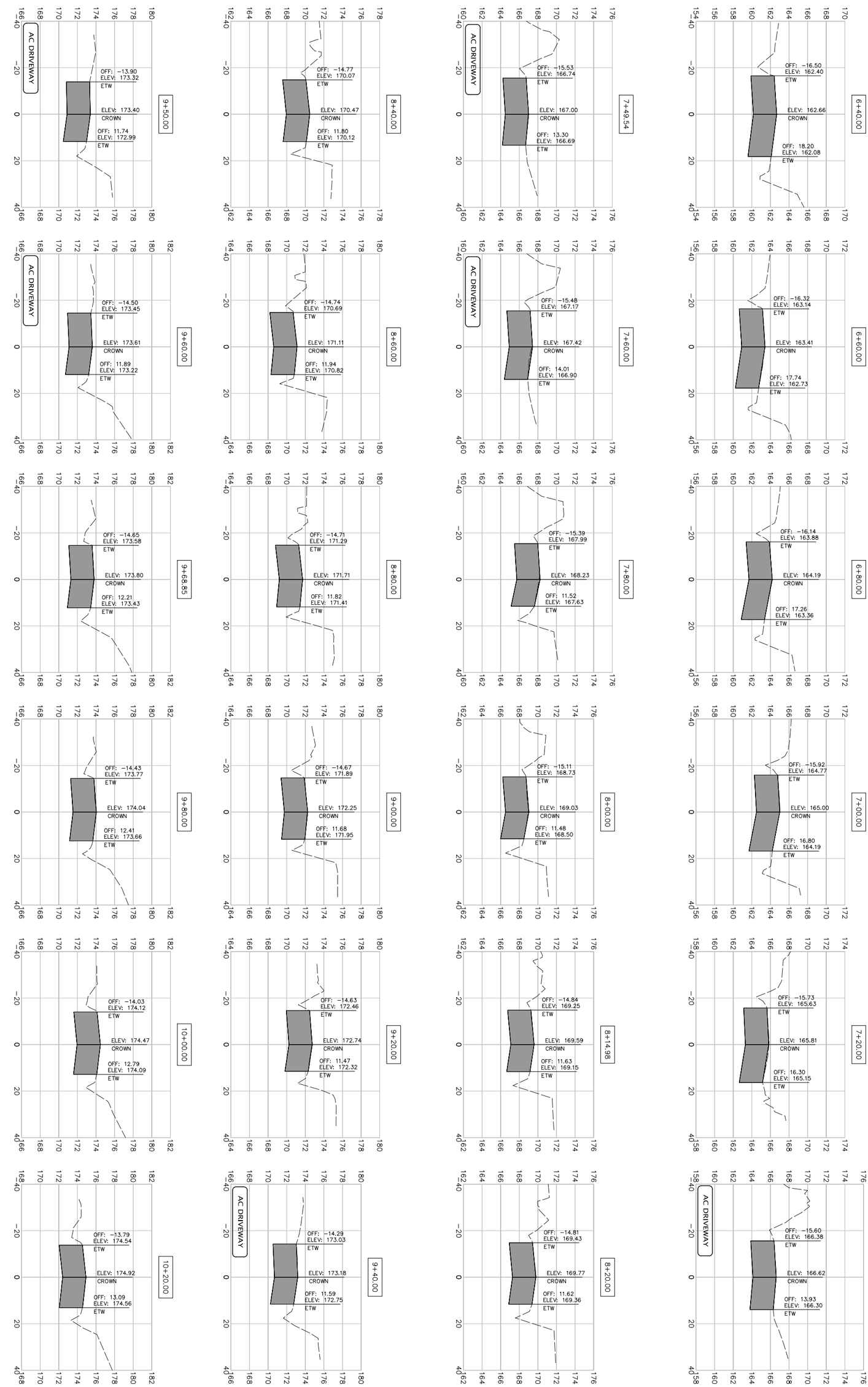
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PAGE 66 OF X	SCALE AS SHOWN	SEQUIM WEST SEQUIM BAY ROAD CORRIDOR PROJECT WASHINGTON	DRAWN BY JGS	WILSON ENGINEERING WILSONENGINEERING.COM
	JOB NUMBER 2023-069	ROADWAY IMPROVEMENT SECTIONS 1	CHECKED BY XXX	

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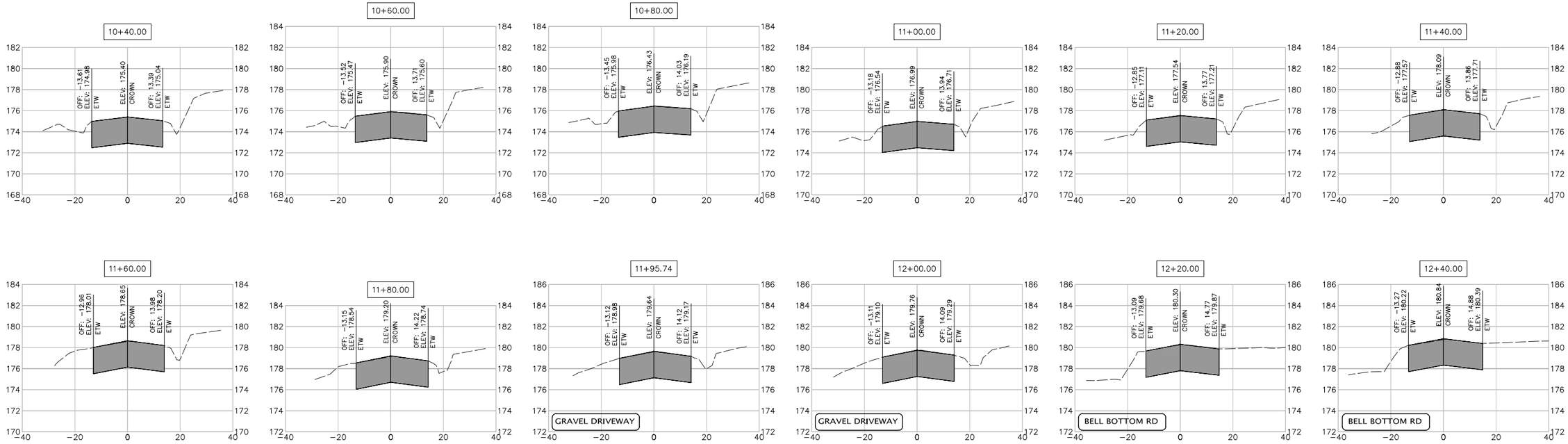
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SHEET C7.18	DATE 2-23-2024	CITY OF SEQUIM	DESIGNED BY SJW
PAGE 67 OF X	SCALE AS SHOWN	SEQUIM WASHINGTON WEST SEQUIM BAY ROAD CORRIDOR PROJECT	DRAWN BY JGS
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CITY OF SEQUIM

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ROADWAY IMPROVEMENT SECTIONS 3

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C7.19

PAGE 68 OF X

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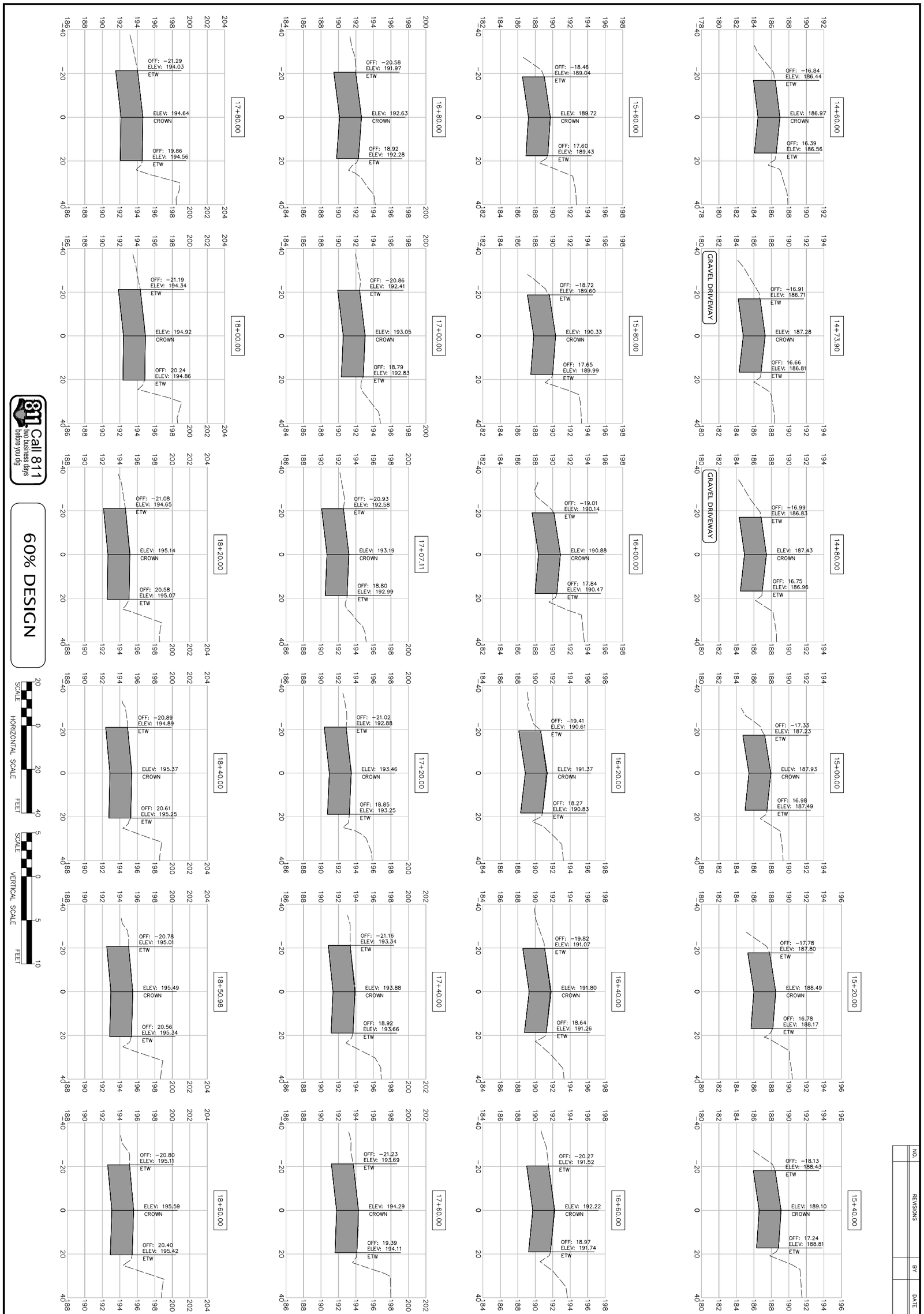
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SCALE 5 0 5 10 FEET VERTICAL SCALE

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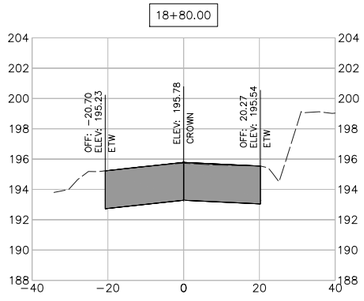
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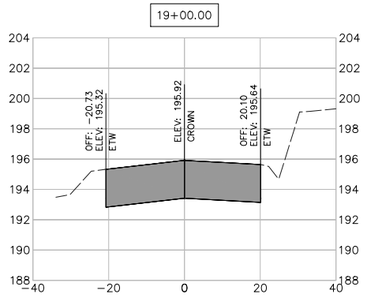
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	JOB NUMBER 2023-069	ROADWAY IMPROVEMENT SECTIONS 4	CHECKED BY XXX

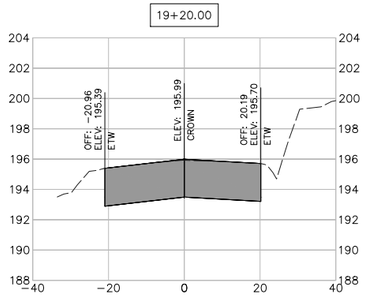
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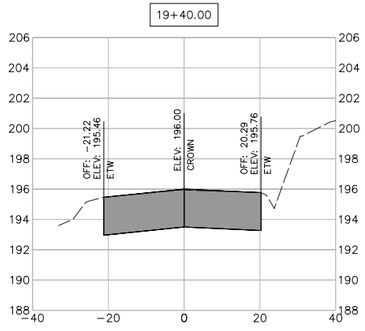
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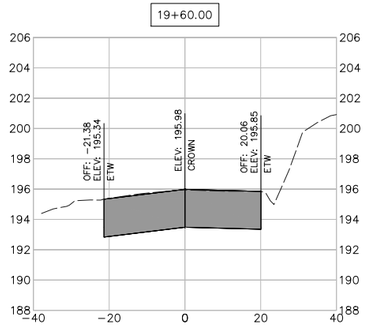
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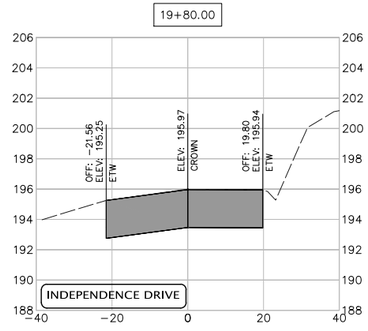


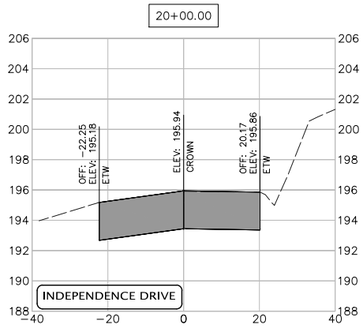


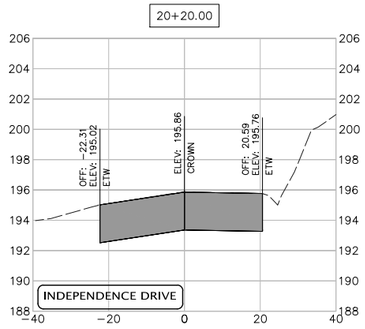


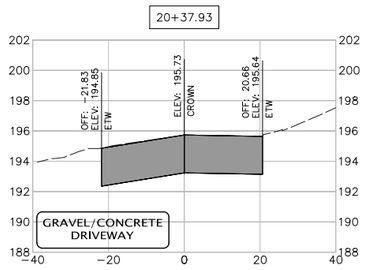


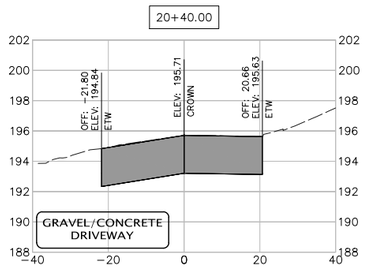


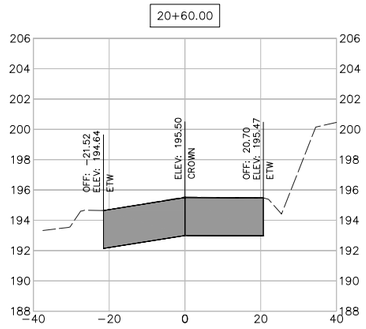


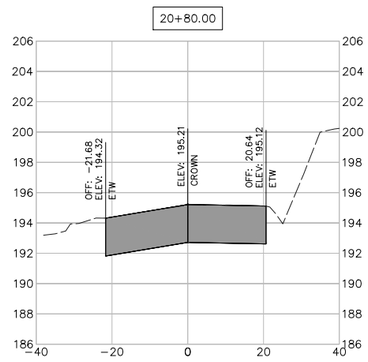


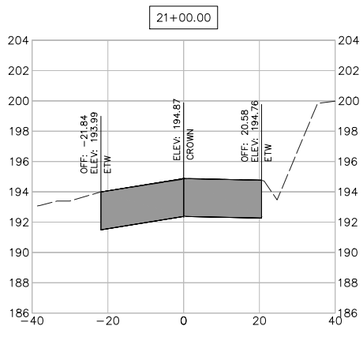


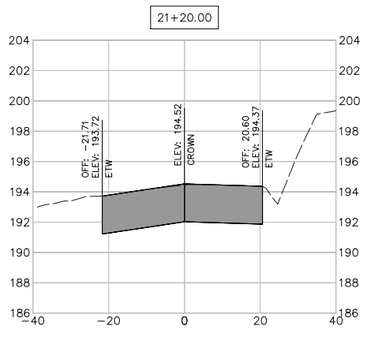


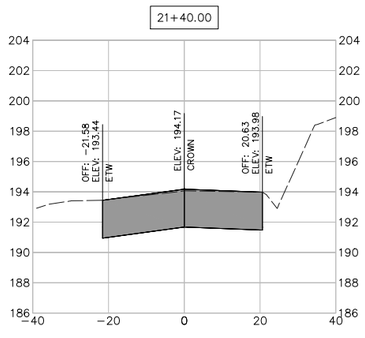


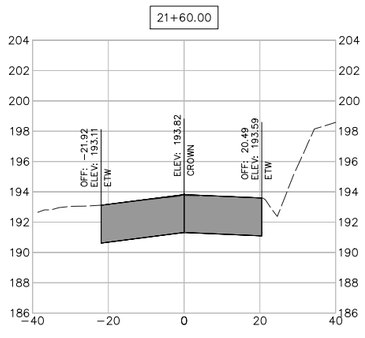


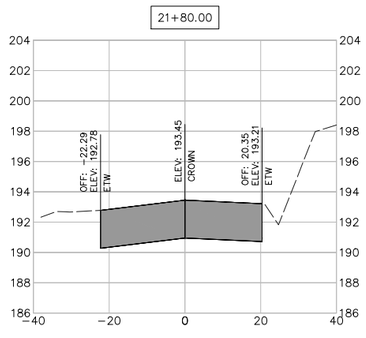


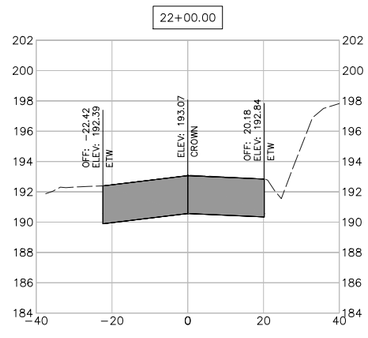


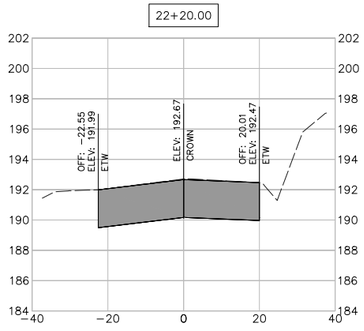


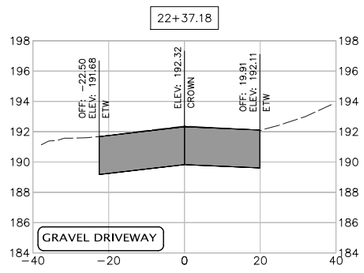


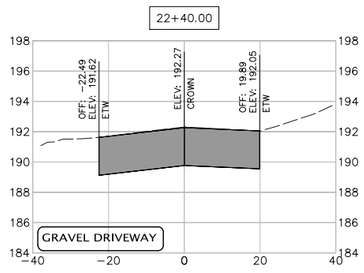


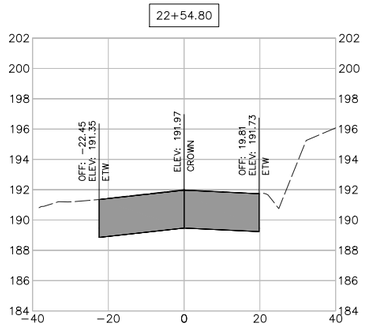


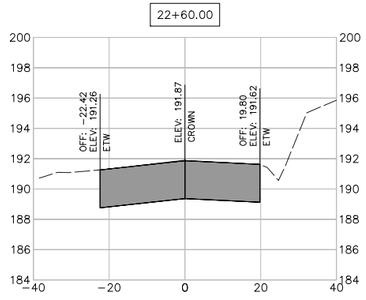


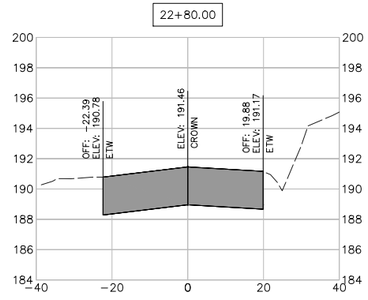


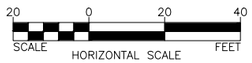














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ROADWAY IMPROVEMENT SECTIONS 5

SHEET	DATE	SCALE	JOB NUMBER
C7.21	2-23-2024	AS SHOWN	2023-069

PAGE 70 OF X

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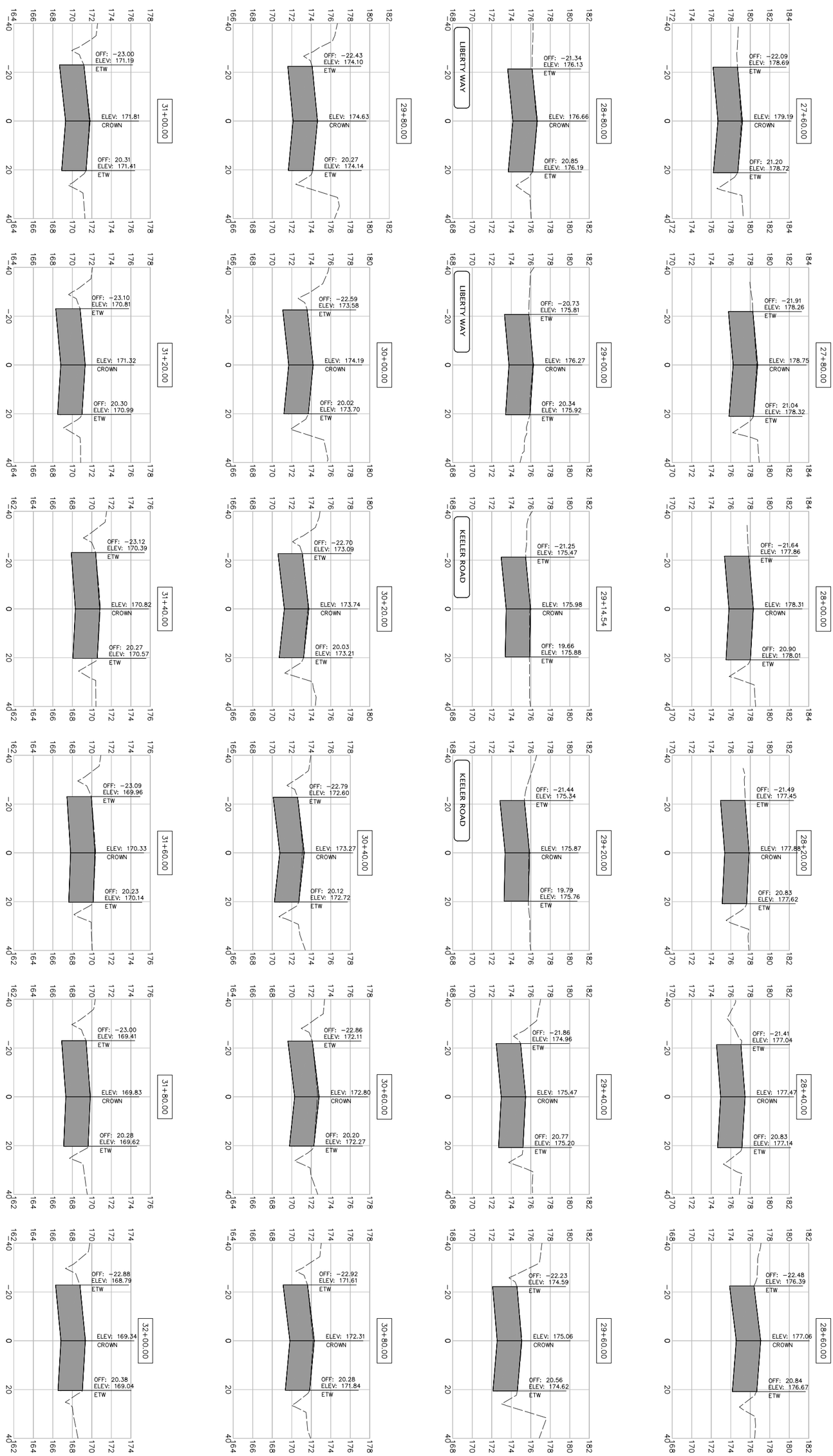
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ROADWAY IMPROVEMENT SECTIONS 6

SHEET	DATE	SCALE	JOB NUMBER
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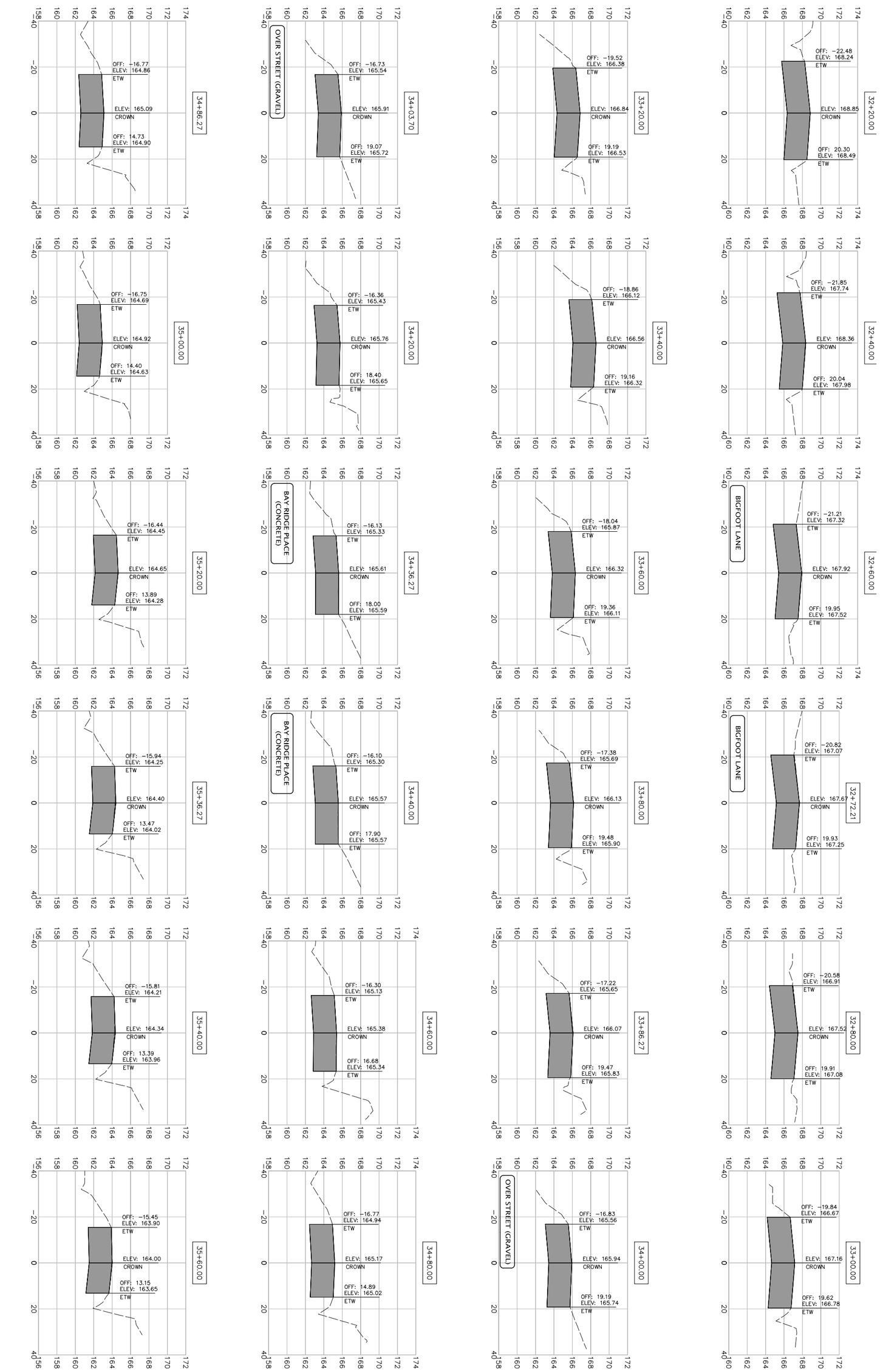


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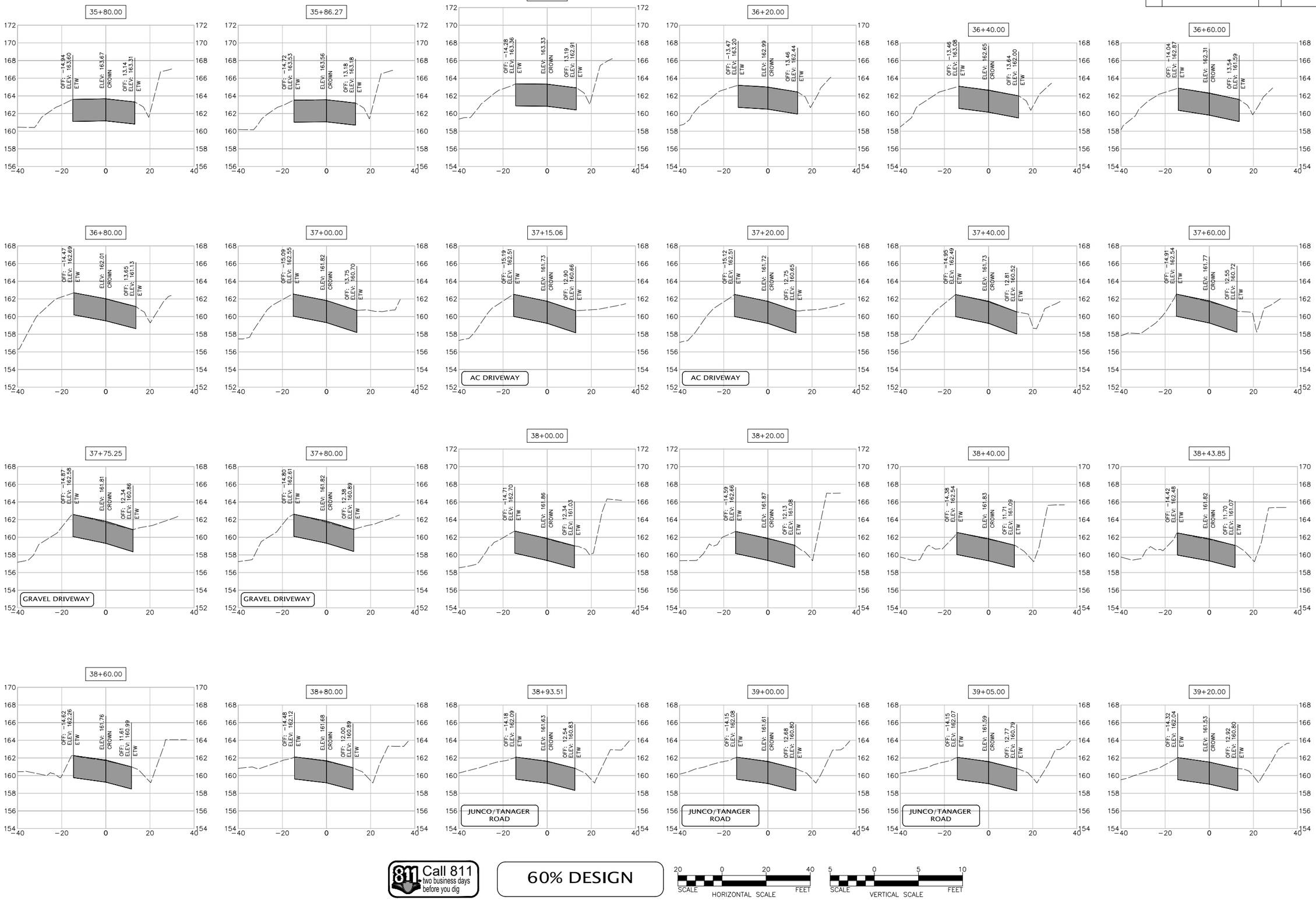
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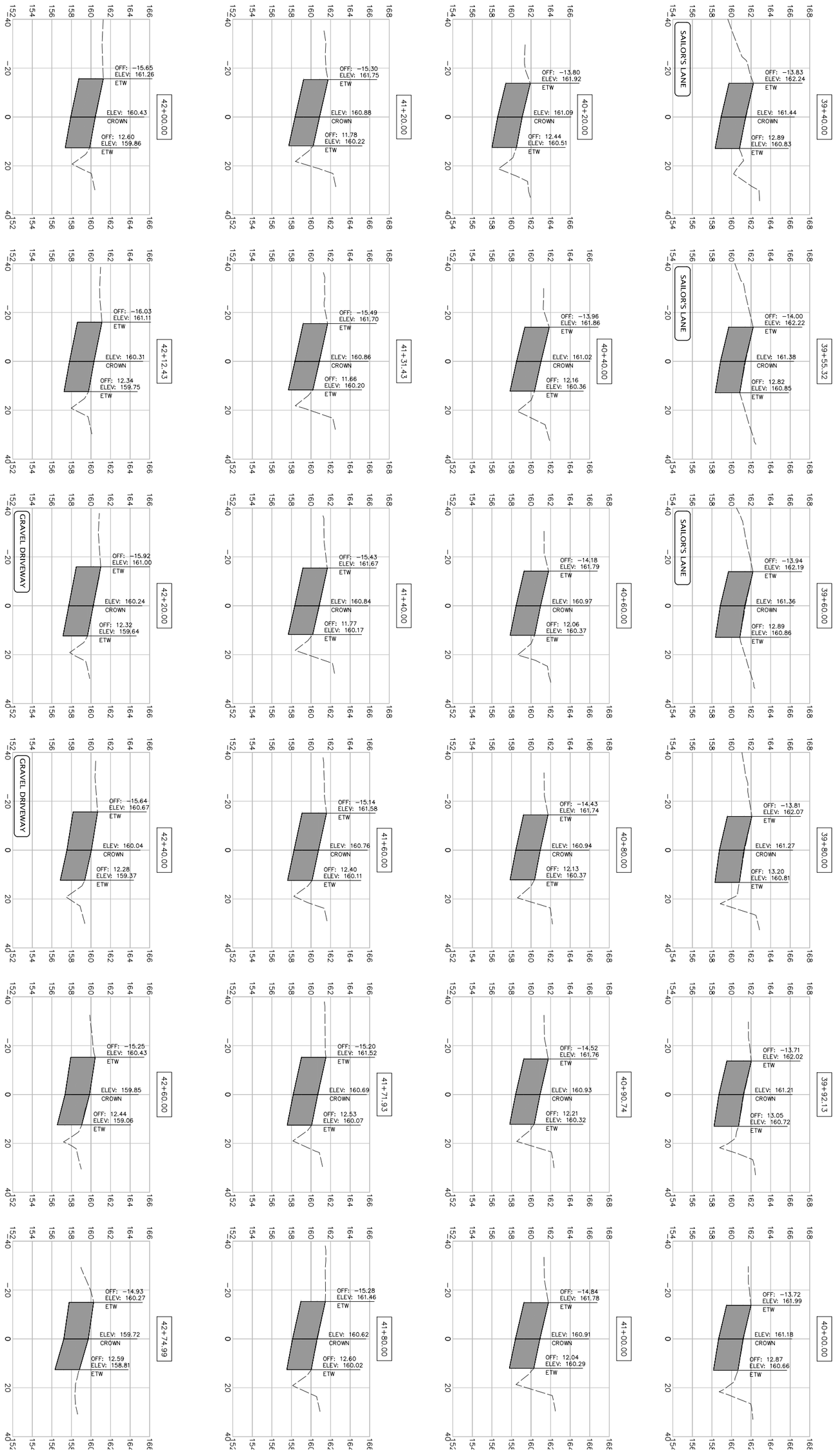
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ROADWAY IMPROVEMENT SECTIONS 9

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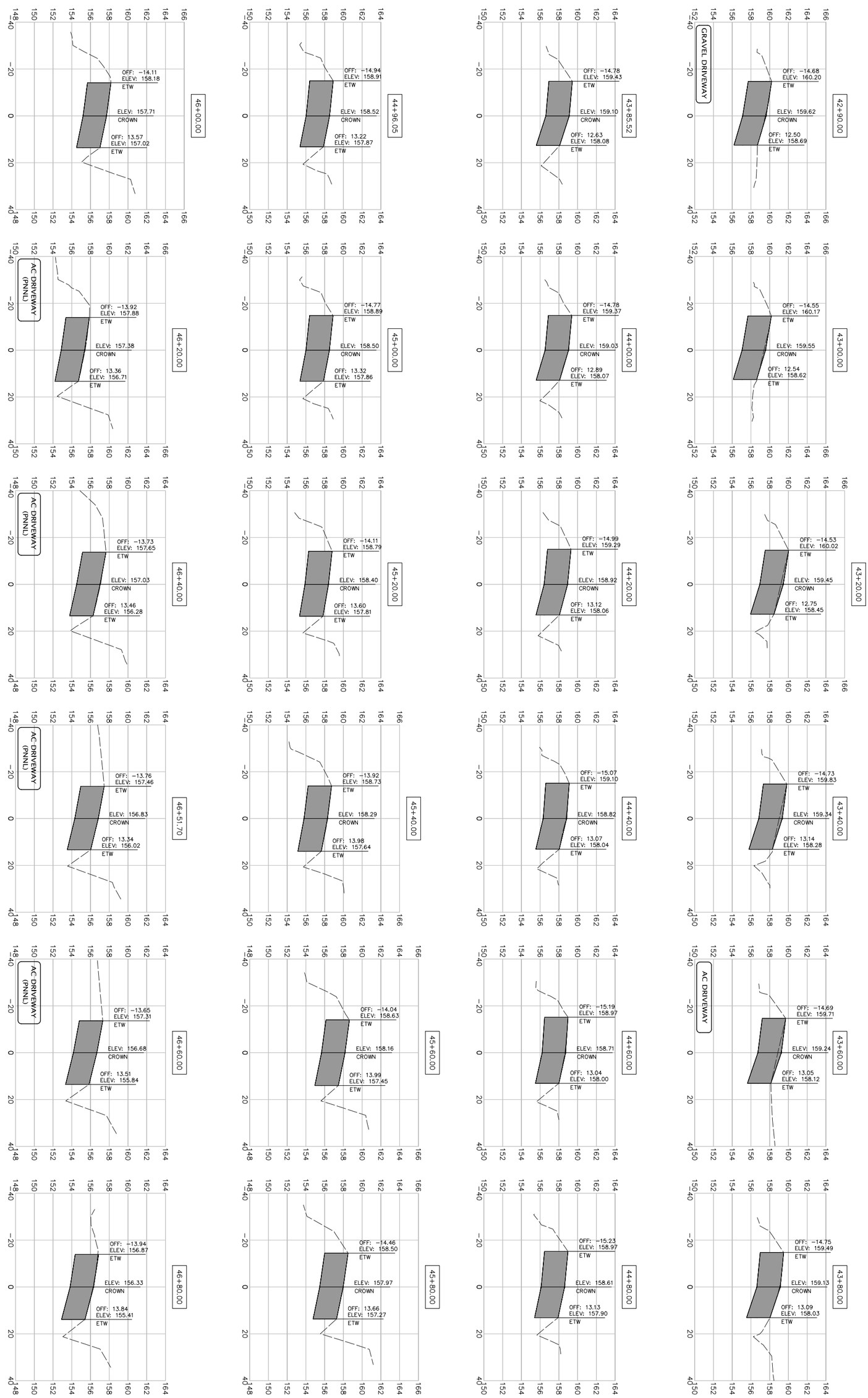
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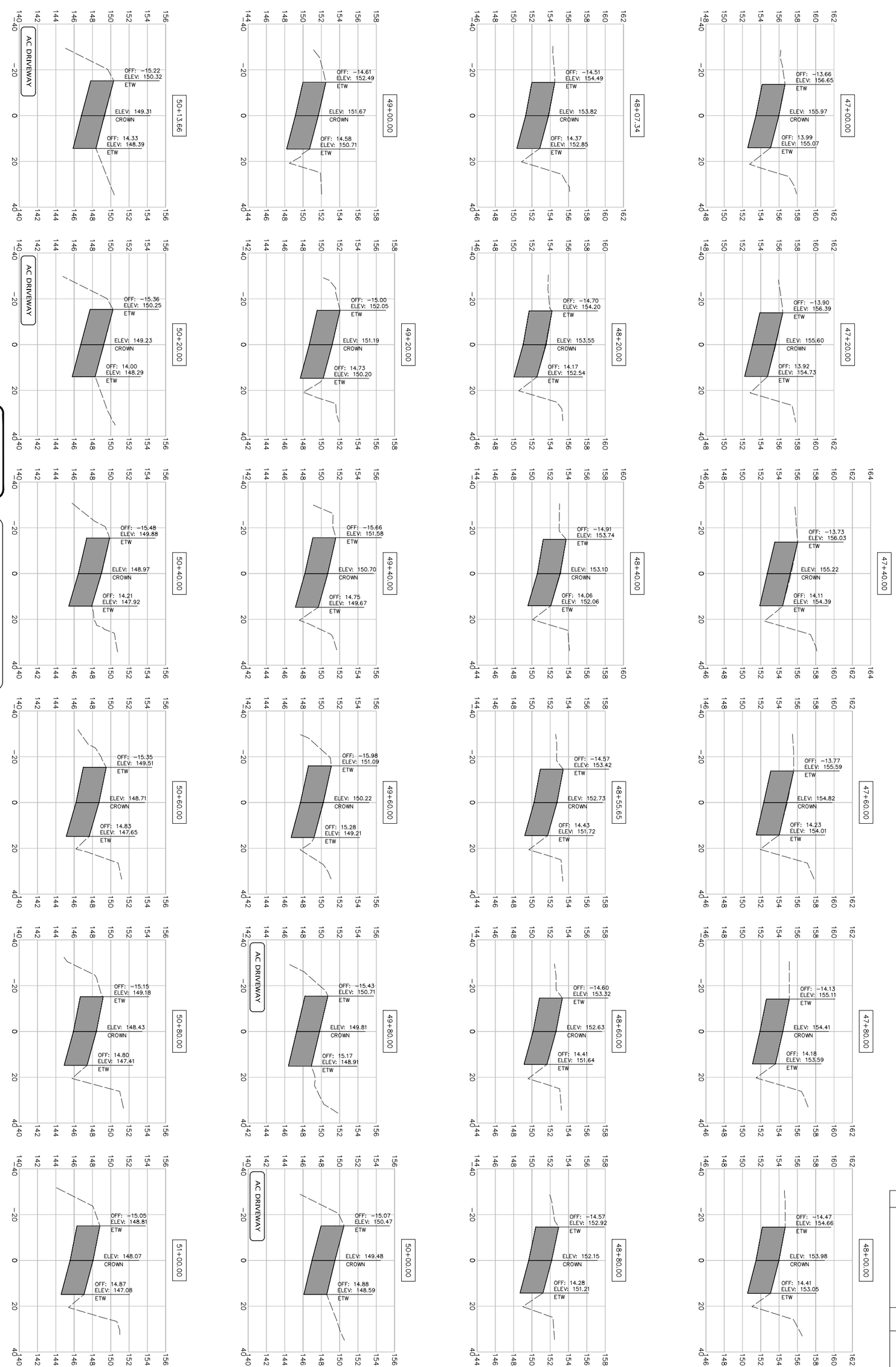
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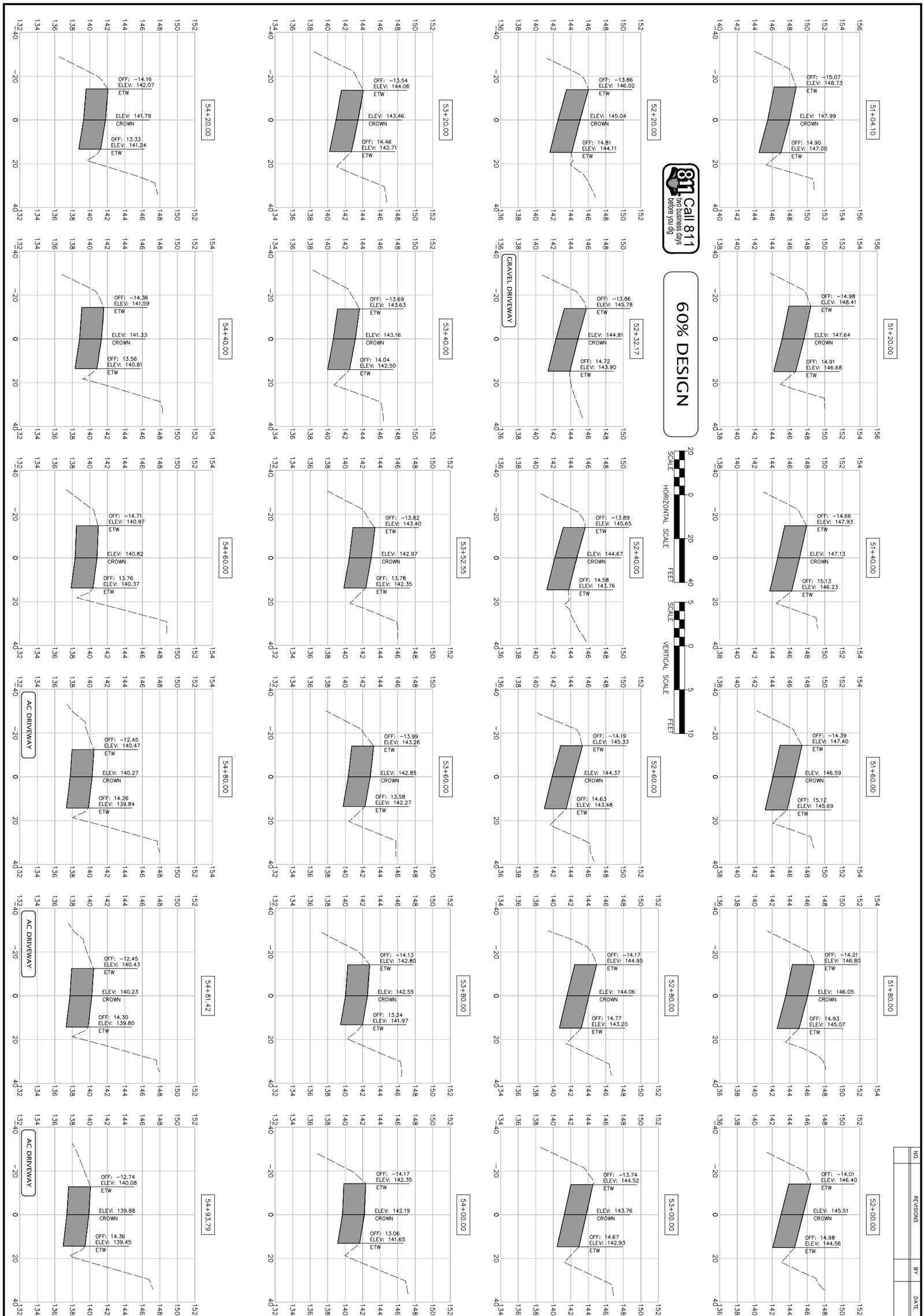
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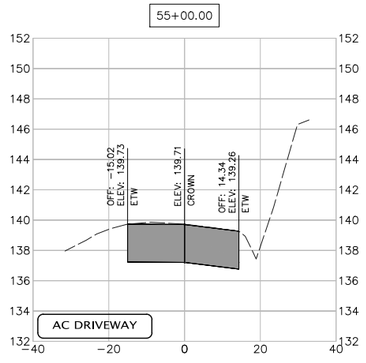
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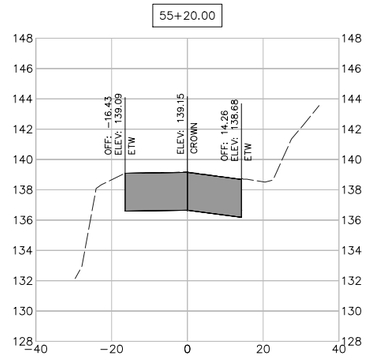
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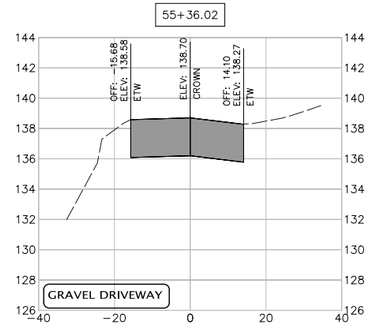
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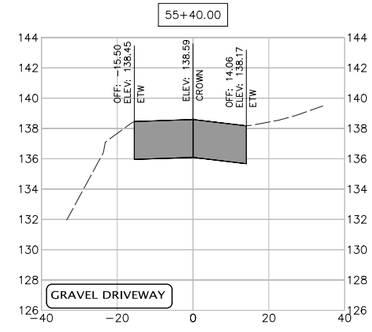
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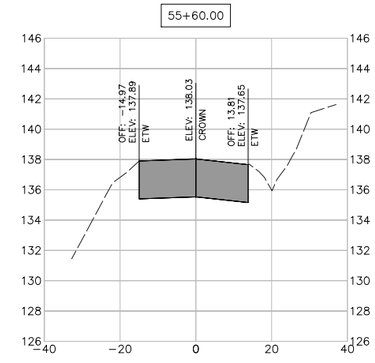
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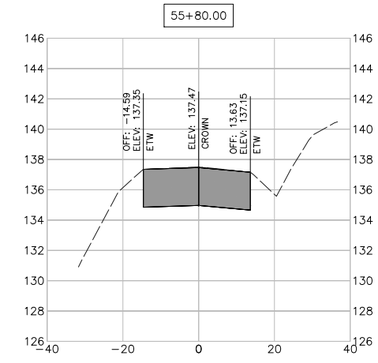


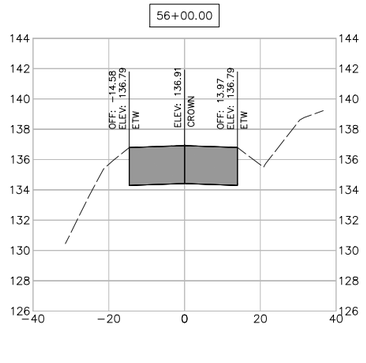


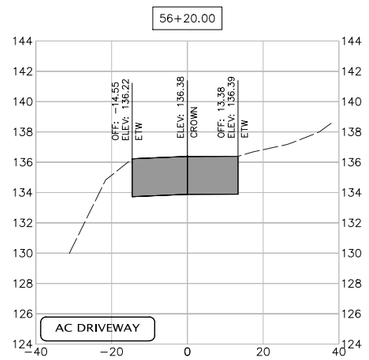


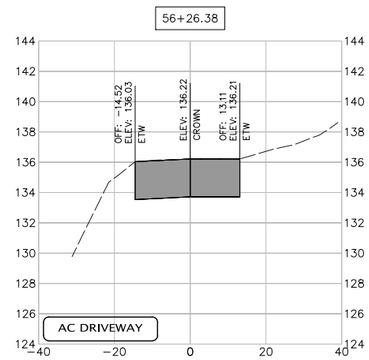


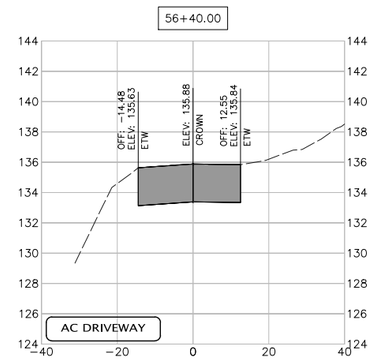


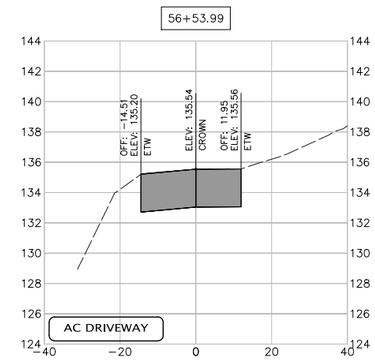


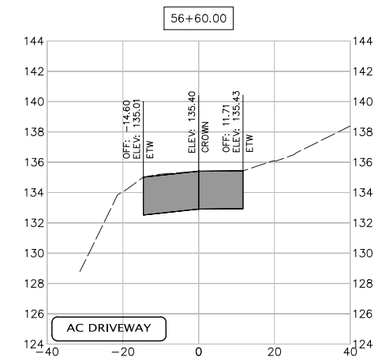


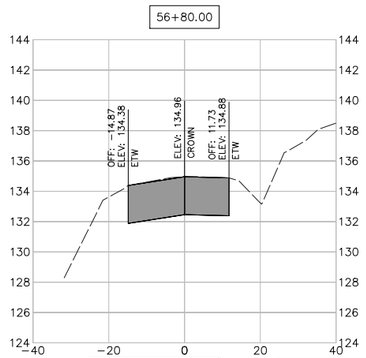


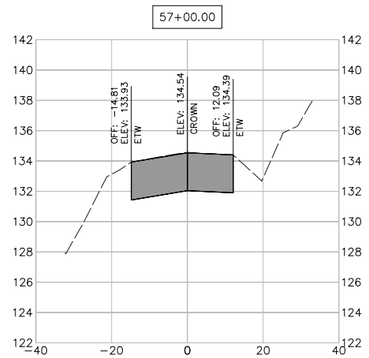


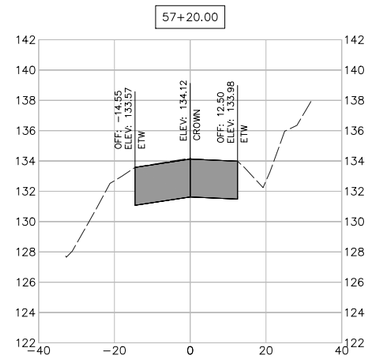


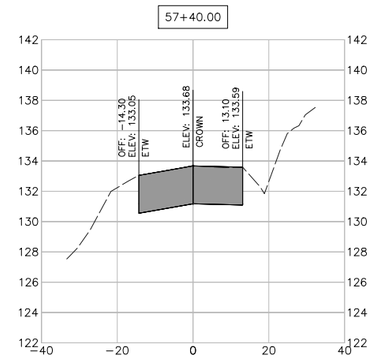


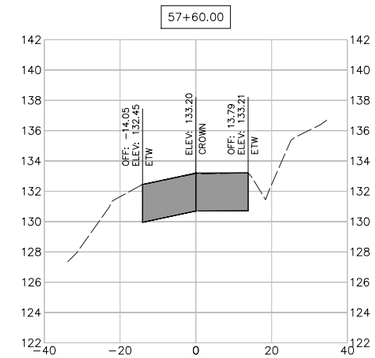


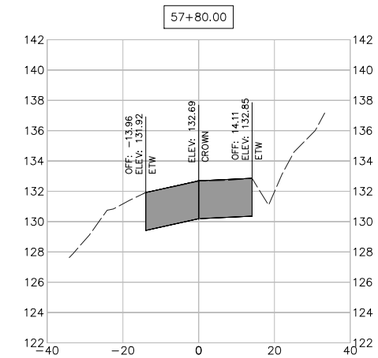










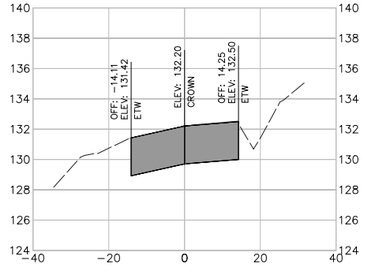


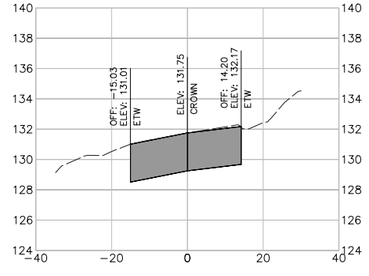
811 Call 811 two business days before you dig

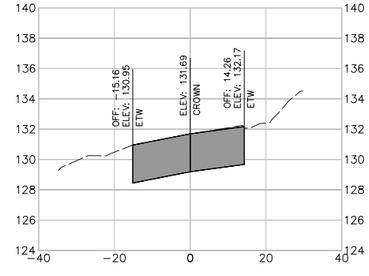
60% DESIGN

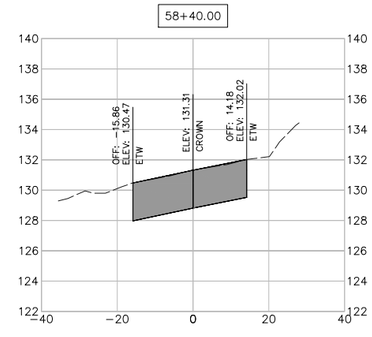
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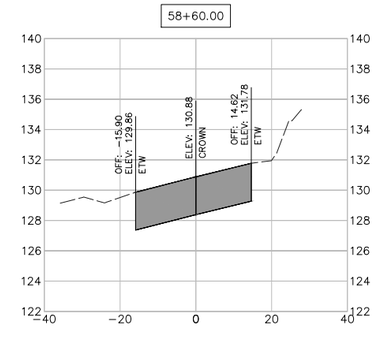
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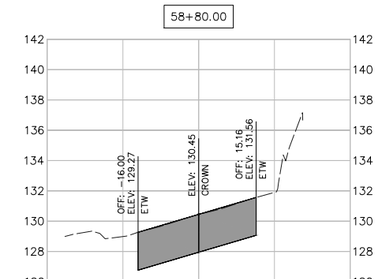












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PRELIMINARY
NATHAN DARROW STATE OF WASHINGTON 21908 REGISTERED PROFESSIONAL LAND SURVEYOR

DESIGNED BY	DRAWN BY	CHECKED BY
SJW	JCS	XXX

CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

SEQUIM WASHINGTON

ROADWAY IMPROVEMENT SECTIONS 14

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C7.30

PAGE 79 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
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20 0 20 40 SCALE HORIZONTAL SCALE FEET

5 0 5 10 SCALE VERTICAL SCALE FEET

NO.	REVISIONS	BY	DATE

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CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

SEQUIM WASHINGTON

ROADWAY IMPROVEMENT SECTIONS 15

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C7.31

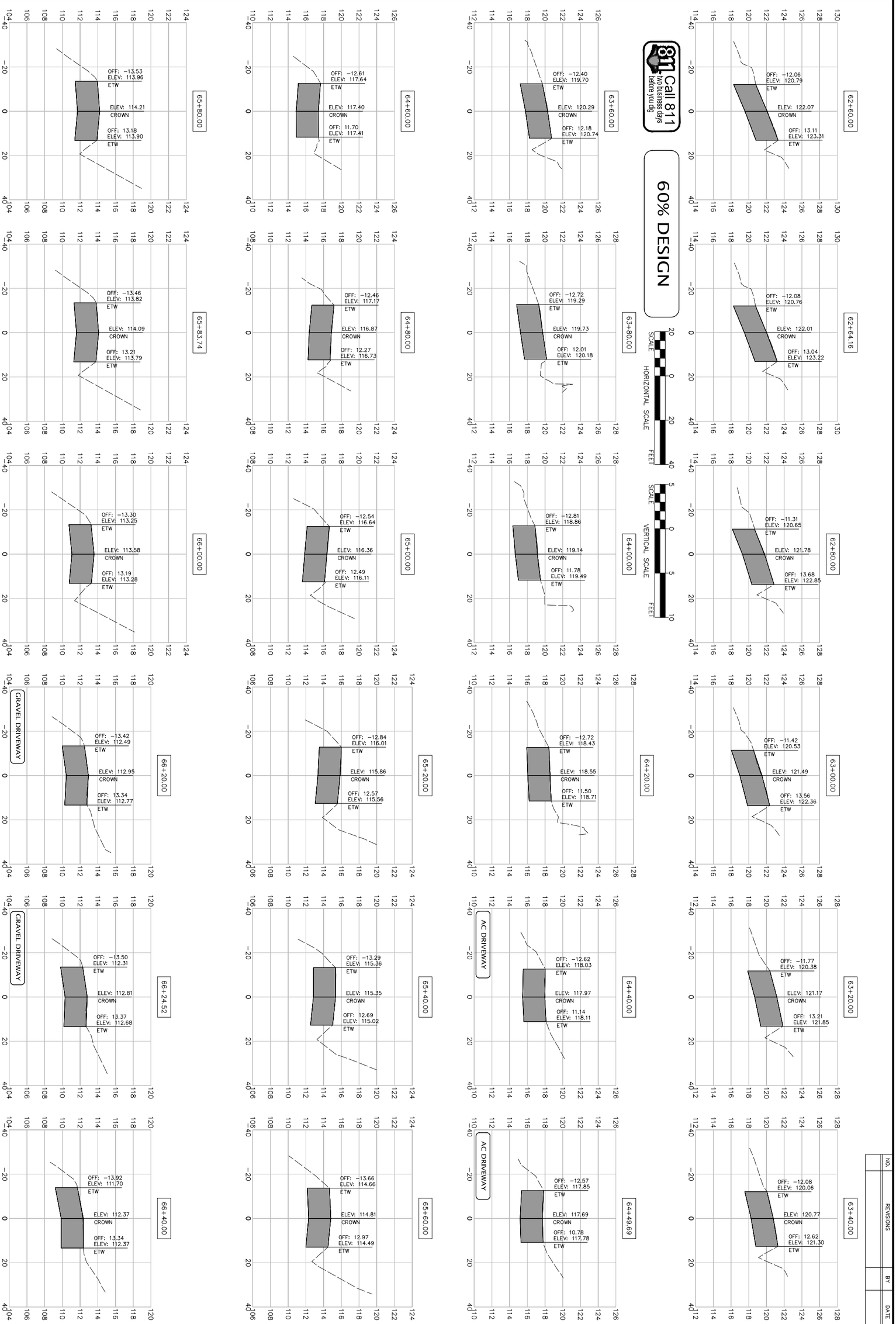
PAGE 80 OF X

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PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
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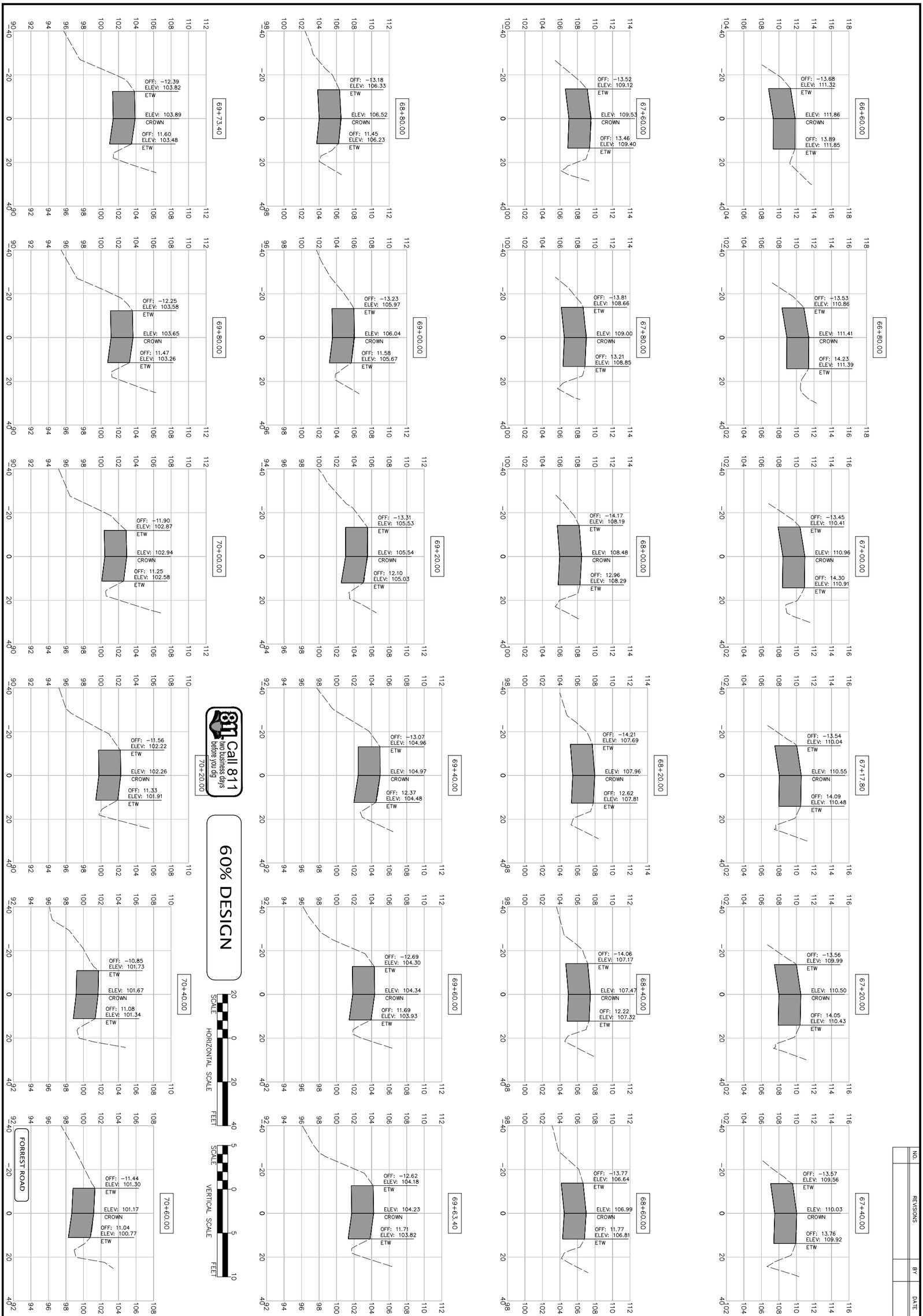
NO.	REVISIONS	BY	DATE

SHEET C7.32	DATE 2-23-2024	CITY OF SEQUIM	DESIGNED BY SJW
PAGE 81 OF X	SCALE AS SHOWN	SEQUIM WEST SEQUIM BAY ROAD CORRIDOR PROJECT WASHINGTON	DRAWN BY JGS
	JOB NUMBER 2023-069	ROADWAY IMPROVEMENT SECTIONS 16	CHECKED BY XXX

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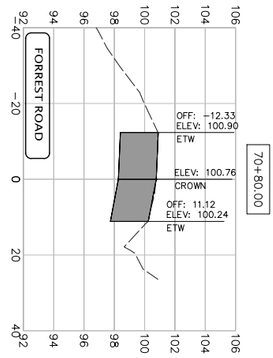
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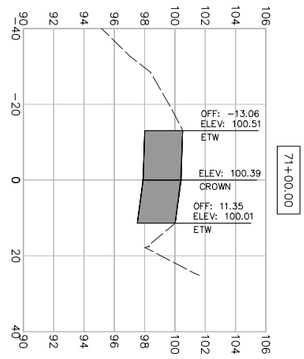
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C7.33	2-23-2024		SJW
PAGE	SCALE	SEQUIM WASHINGTON	DRAWN BY
82 OF X	AS SHOWN	WEST SEQUIM BAY ROAD CORRIDOR PROJECT	JGS
	JOB NUMBER		CHECKED BY
	2023-069	ROADWAY IMPROVEMENT SECTIONS 17	XXX

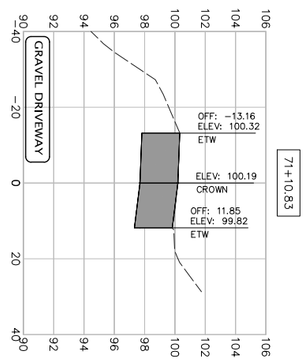
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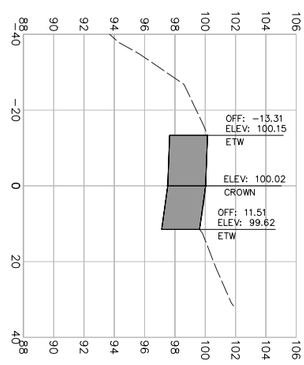
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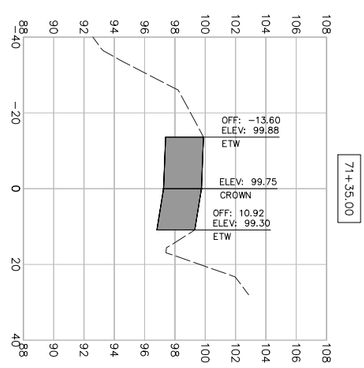
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SCALE HORIZONTAL SCALE FEET 20 0 20 40

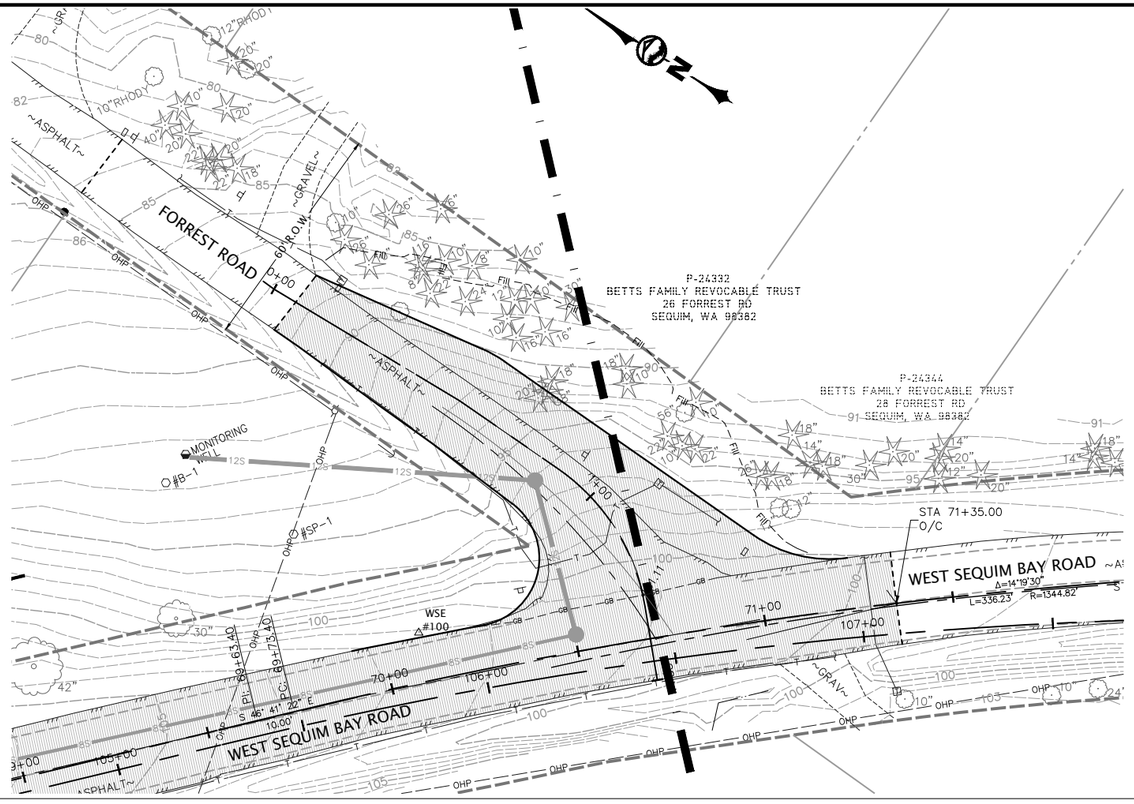
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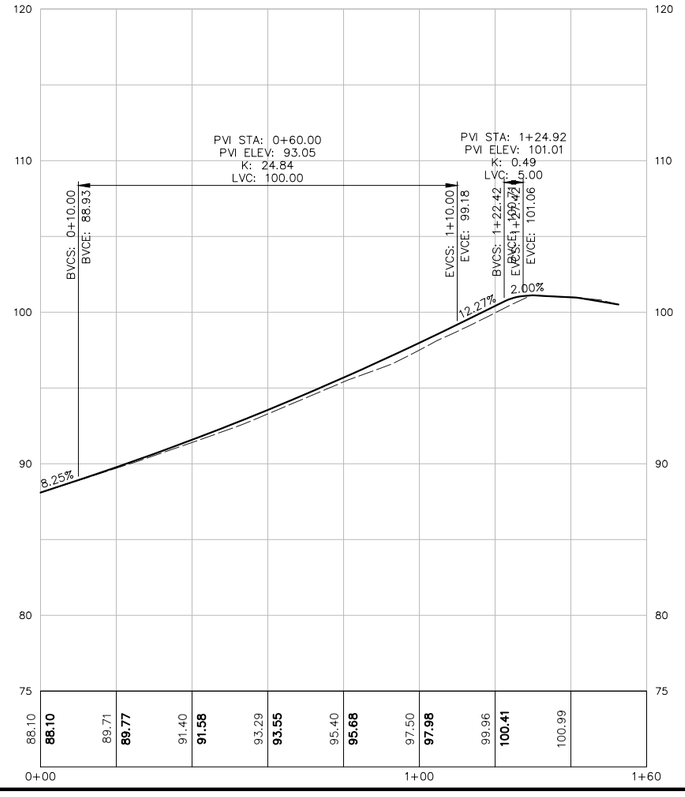
NO.	REVISIONS	BY	DATE

SHEET	DATE		DESIGNED BY
C7.34	2-23-2024	CITY OF SEQUIM	SJW
PAGE	SCALE	SEQUIM WASHINGTON	DRAWN BY
83 OF X	AS SHOWN	WEST SEQUIM BAY ROAD CORRIDOR PROJECT	JGS
	JOB NUMBER	ROADWAY IMPROVEMENT SECTIONS 18	CHECKED BY
	2023-069		XXX

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SHEET NOTES:
1) SEE SHEETS C7.09–C7.20 FOR CORRESPONDING SECTION VIEWS.

SCALE 20 0 20 40 FEET — HORIZONTAL SCALE

SCALE 5 0 5 10 FEET — VERTICAL SCALE

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CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT
SEQUIM WASHINGTON

FORREST ROAD PLAN & PROFILE

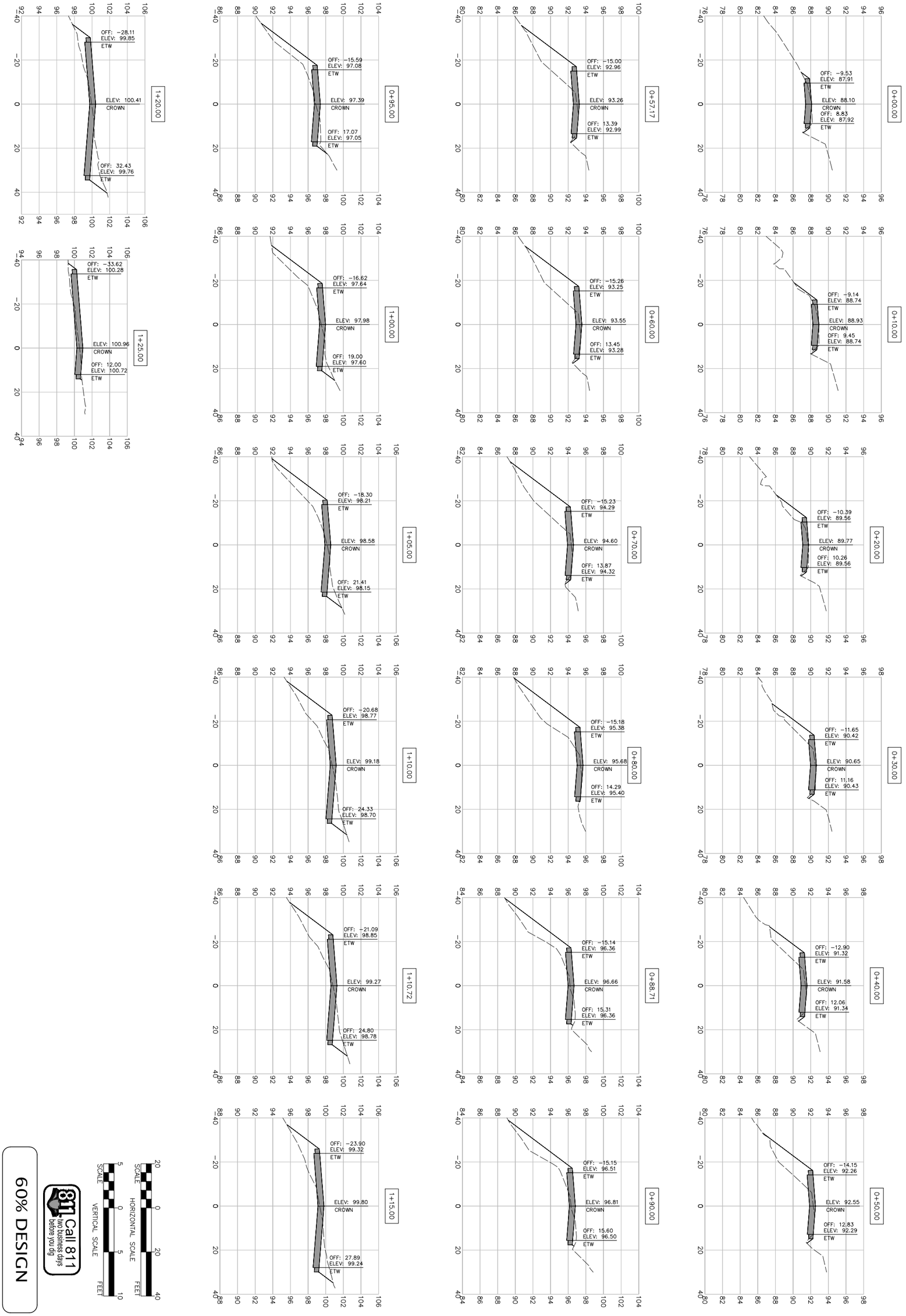
DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C7.35

PAGE 84 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
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PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
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SHEET	DATE	CITY OF SEQUIM	DESIGNED BY
C7.36	2-23-2024	SEQUIM WEST SEQUIM BAY ROAD CORRIDOR PROJECT WASHINGTON	CDS
PAGE	SCALE		DRAWN BY
85 OF X	AS SHOWN	FORREST ROAD SECTIONS	JGS
	JOB NUMBER		CHECKED BY
	2023-069		XXX

PRELIMINARY — NOT FOR CONSTRUCTION — JONATHAN DAVIDSON — STATE OF WASHINGTON — 21069 — REGISTERED PROFESSIONAL LAND SURVEYOR

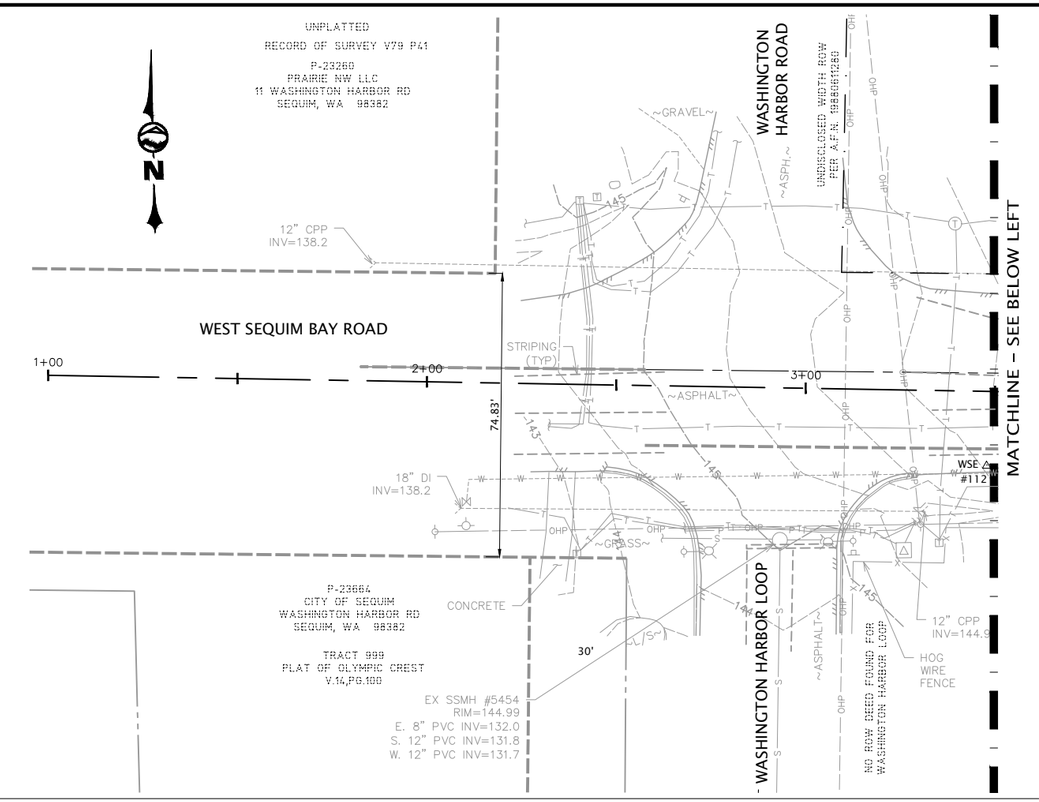
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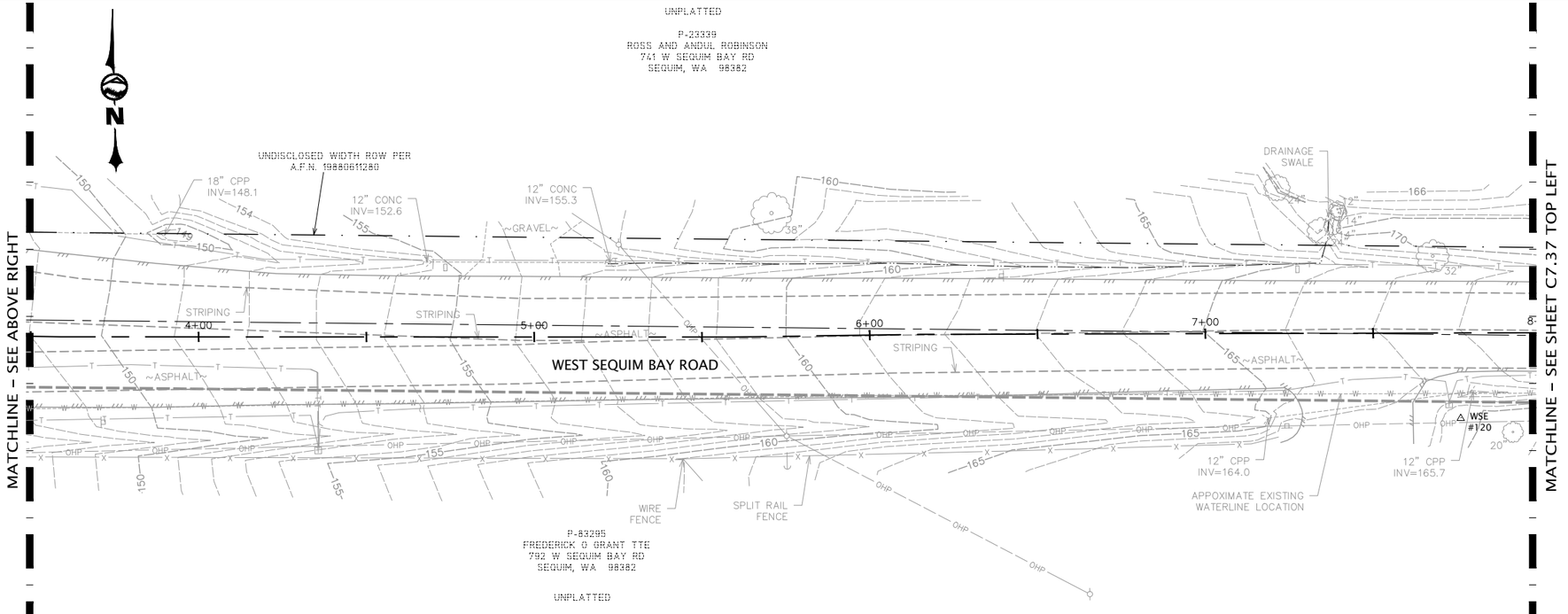
STRIPING LEGEND

DYCS	DOUBLE YELLOW CENTER STRIPE PER DETAIL SHEET C5.4
SES	SOLID EDGE STRIPE PER DETAIL SHEET C5.4
SS	SKIP STRIPE PER DETAIL SHEET C5.4
LLNPCS	LEFT LANE NO PASSING CENTER STRIPE PER DETAIL SHEET C5.4
XW	CROSS WALK, 2' WIDE BY 8' LONG THERMOPLASTIC STRIPES @ 7' O.C. PER DETAIL SHEET C5.4
SB	STOP BAR, 2' WIDE THERMOPLASTIC; LENGTH AS REQUIRED BETWEEN CENTERLINE AND GUTTER PER DETAIL SHEET C5.4

SIGNAGE LEGEND

W1-8R / W1-8L	CHEVRON ALIGNMENT, RIGHT OR LEFT. SIZE AS NOTED. INSTALL WITH STEEL SIGN SUPPORT TYPE ST-1, SEE DETAIL SHEET C5.4.
W1-3L	REVERSE TURN, LEFT. SIZE AS NOTED. INSTALL WITH STEEL SIGN SUPPORT TYPE ST-4, SEE DETAIL SHEET C5.4.
W5-1	ROAD NARROWS. SIZE AS NOTED. INSTALL WITH STEEL SIGN SUPPORT TYPE ST-4, SEE DETAIL SHEET C5.4.





NO.	REVISIONS	BY	DATE

SCALE HORIZONTAL SCALE: 20 0 20 40 FEET

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SJW	JCS	XXX

CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT
SEQUIM WASHINGTON

WSB ROAD CHANNELIZATION & SIGNAGE PLANS STA 2+00-7+98

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C7.37

PAGE 86 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_LINSCREENED.ctb
W:\2023\2023-069 WEST SEQUIM BAY RD CORRIDOR\DWG\V2022_2023-069 C7.36 CHANNELIZATION & SIGNAGE PLANS.DWG – 2/23/2024 12:05 PM – Jeff Smith

UNPLATTED

P-23339
ROSS AND ANDUL ROBINSON
741 W SEQUIM BAY RD
SEQUIM, WA 98382

NEILSONS SP V2, P49

P-23356
LEWIS G AND BECKY L GODBY TTES
855 W SEQUIM BAY RD
SEQUIM, WA 98382

NEILSONS SP V2, P49

P-23353
HUGH W BRECHTEL
871 W SEQUIM BAY RD
SEQUIM, WA 98382

MATCHLINE – SEE SHEET C7.36, BOTTOM RIGHT

MATCHLINE – SEE BELOW LEFT

12" CPP INV=171.2

12" CPP INV=171.6

WSE #111

12" CPP INV=172.5

COULD NOT LOCATE END OF PIPE

6" PVC INV=177.0

12" CONC INV=178.1

~ASPHALT~

~GRAVEL~

WEST SEQUIM BAY ROAD

STRIPING

5+00

9+00

10+00

11+00

12+00

26'

20'

30'

12" CPP INV=178.9

30' ROW PER AFN 324195

HOG WIRE FENCE

12" CPP INV=173.6

APPROXIMATE EXISTING WATERLINE LOCATION

BOUNDARY LINE AGREEMENT AFN 2013-1300214

12" CPP INV=177.9

"BURIED POWER" SIGNS

EX SDAD #4729
RIM=181.77
E. 6" PVC INV=180.8
W. 6" PVC INV=180.9
S.(OUT)6" PVC INV=180.8
SUMP=180.4

BELL BOTTOM ROAD (PVT.)

GAP/OVERLAP CREATED BY J.U. WRIGHT SOLUTION V74, P.71 SURVEYS

30'

40'

CONCRETE

COMBINATION RELEASE VALVE

P-83295
FREDERICK O GRANT TTE
792 W SEQUIM BAY RD
SEQUIM, WA 98382

RECORD OF SURVEY V74, P71

BOUNDARY LINE AGREEMENT AFN 2013-1300214

P-83154
FUN JUN HE AND LIEN LAM
BELL BOTTOM RD
SEQUIM, WA 98382

RECORD OF SURVEY V74, P71

NESPER SP V18, P35

P-23358
JAMES R SHINGLETON III AND
BRIDGET G SHINGLETON
901 W SEQUIM BAY RD
SEQUIM, WA 98382

SANDERS SP V23, P90

P-23360
SUSAN A KREML
945 W SEQUIM BAY RD
SEQUIM, WA 98382

SUN MEADOWS V12, P63

P-23399
SUN MEADOWS HOMEOWNERS
LIBERTY ST
SEQUIM, WA 98382

MATCHLINE – SEE ABOVE RIGHT

MATCHLINE – SEE SHEET C7.38 TOP LEFT

CONCRETE

EX SDCB #4555
TYPE 1
RIM=182.53
E 12" CPP INV=178.9
W 12" CONC INV=178.7
SUMP=177.9

EX SDCB #4572
TYPE 1
RIM=185.49
E 6" PVC INV=182.6
W 12" CPP INV=181.9
SUMP=180.7

SPLIT RAIL FENCE

GRAVEL

BRICK PILLAR (TYP)

WOOD FENCE

WEST SEQUIM BAY ROAD

13+00

14+00

15+00

16+00

17+00

27'

32'

52'

~L/S~

~ASPHALT~

STRIPING

WSE #110

WSE #117

ROW OF 6"-8" CONIFERS

COULD NOT LOCATE PIPE

12" CPP INV=183.0

12" CPP INV=183.9

12" CPP INV=185.1

12" CONC INV=191.8

12" CONC INV=192.0

P-23613
THE ESTATES SUBDIVISION
COMMUNITY ASSOCIATION
SEQUIM, WA 98382

THE ESTATES SUBDIVISION V14, P80

SHEET NOTES:

1) SEE SHEET C7.34 FOR STRIPING/SIGNAGE LEGENDS.
2) SEE SHEETS C1.01–C1.10 FOR COMPLETE EXISTING CONDITIONS.

20 0 20 40
SCALE HORIZONTAL SCALE FEET

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NO.	REVISIONS	BY	DATE

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CURTIS SCHENFELDER 22842 WASHINGTON PROFESSIONAL ENGINEER

DESIGNED BY	DRAWN BY	CHECKED BY
SJW	JGS	XXX

CITY OF SEQUIM
SEQUIM WASHINGTON

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

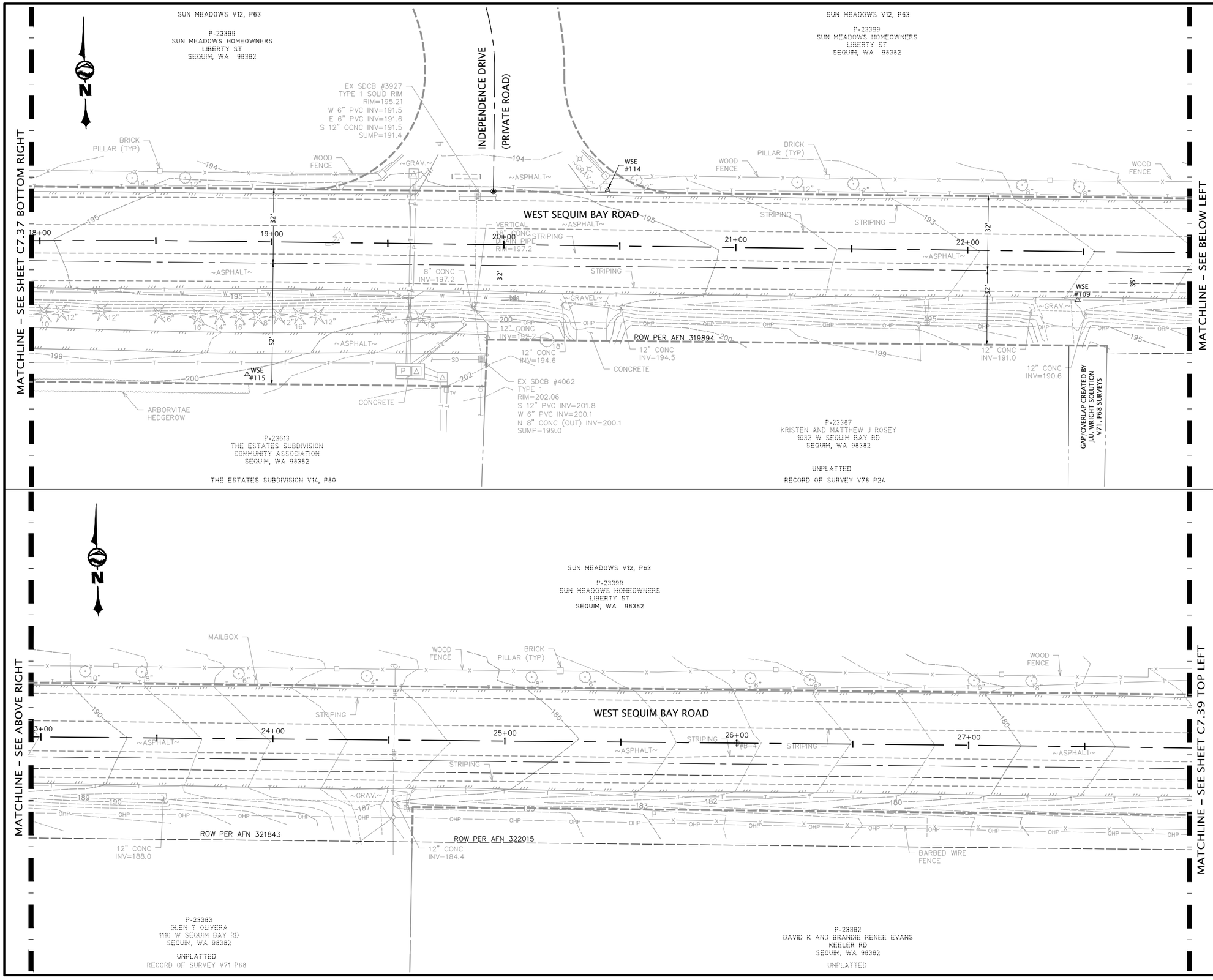
WSB ROAD CHANNELIZATION & SIGNAGE PLANS STA 7+98–17+96

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C7.38

PAGE 87 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_LINSCREENED.ctb
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SHEET NOTES:

1) SEE SHEET C7.34 FOR STRIPING/SIGNAGE LEGENDS.
2) SEE SHEETS C1.01–C1.10 FOR COMPLETE EXISTING CONDITIONS.

SCALE 20 0 20 40 FEET
HORIZONTAL SCALE

811 Call 811 two business days before you dig

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CURTIS SCHENFELDER 36847 WASHINGTON PROFESSIONAL ENGINEER
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CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT
SEQUIM WASHINGTON

WSB ROAD CHANNELIZATION & SIGNAGE PLANS STA 17+96–27+95

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C7.39
PAGE 88 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
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PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
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SUN MEADOWS V12, P83

P-23399
SUN MEADOWS HOMEOWNERS
LIBERTY ST
SEQUIM, WA 98382

DILTZ SP V7 P98

P-23835
RONALD AND GAYLE COLE
21 BIGFOOT LN
SEQUIM, WA 98382

MATCHLINE – SEE SHEET C7.38 BOTTOM RIGHT

MATCHLINE – SEE BELOW LEFT

LIBERTY WAY (PVT.)

BIGFOOT LANE (PVT.)

WEST SEQUIM BAY ROAD

KEELER ROAD

ROW PER A.F.N. 322015

ROW PER AFN 322015

BRICK PILLAR (TYP)

BRICK WALL

12" CONC INV=174.9

RIVER ROCK

CONCRETE

COULD NOT LOCATE PIPE

CHAINLINK FENCE

12" CONC INV=165.5

~GRAVEL~

12" CONC INV=164.9

~ASPHALT~

STRIPING (TYP)

28+00

29+00

30+00

31+00

32+00

WSE #108

12" CONC INV=165.7

VEHICLE ACCESS

BARBED WIRE FENCE

12" CONC INV=174.2

12" CONC INV=174.3

P-23382
DAVID K AND BRANDIE RENEE EVANS
KEELER RD
SEQUIM, WA 98382

UNPLATTED

P-23842
JANE M NOWICKI TRUST
KEELER RD
SEQUIM, WA 98382

UNPLATTED

P-23844
DANA AND SHERYL CALDART
OVER ST
SEQUIM, WA 98382

UNPLATTED

LOT 36
OFFICIAL PLAT OF THE SURVEY OF SECTION 22, TOWNSHIP 30 NORTH, RANGE 3 WEST ON FILE IN THE BUREAU OF LAND MANAGEMENT

P-23823
WARREN M MECCA
22 BIGFOOT LN
SEQUIM, WA 98382

RECORD OF SURVEY V72 P26

P-23829
MICHAEL GUY CHAMBERS
13 TANAGER LN
SEQUIM, WA 98382

ROW PER AFN 324599

~TREES AND SHRUBS~

~TREES & SHRUBS~

33+00

34+00

35+00

36+00

37+00

66.00'

12" CONC INV=165.2

12" CMP INV=164.4

12" CMP INV=164.2

12" CONC INV=164.0

12" CONC INV=164.0

4" CPP INV=164.9

12" CMP INV=158.9

12" CMP INV=158.4

WSE #107

OVER STREET (PVT.)

GAP/OVERLAP CREATED BY J.U. WRIGHT SOLUTION V69, P4 SURVEYS

BAY RIDGE PLACE (PVT.)

30' EASEMENT FOR INGRESS, EGRESS, AND UTILITIES PER DEED, V919, P375

P-23844
DANA AND SHERYL CALDART
OVER ST
SEQUIM, WA 98382

UNPLATTED

P-23849
MICHAEL AND AMY ORIQUE
91 BAY RIDGE PL
SEQUIM, WA 98382

UNPLATTED

RECORD OF SURVEY V69 P4

P-83517
YU HUI AND SHIRLEY LAM
1950 W SEQUIM BAY RD
SEQUIM, WA 98382

MATCHLINE – SEE ABOVE RIGHT

MATCHLINE – SEE SHEET C7.40 TOP LEFT

SHEET NOTES:

1) SEE SHEET C7.34 FOR STRIPING/SIGNAGE LEGENDS.
2) SEE SHEETS C1.01–C1.10 FOR COMPLETE EXISTING CONDITIONS.

SCALE 20 0 20 40 FEET
HORIZONTAL SCALE

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STATE OF WASHINGTON
CURTIS J. 18247
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SJW	JGS	XXX

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WEST SEQUIM BAY ROAD CORRIDOR PROJECT

SEQUIM WASHINGTON

WSB ROAD CHANNELIZATION & SIGNAGE PLANS STA 27+95–37+53

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C7.40

PAGE 89 OF X



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SHEET NOTES:

1) SEE SHEET C7.34 FOR STRIPING/SIGNAGE LEGENDS.
2) SEE SHEETS C1.01–C1.10 FOR COMPLETE EXISTING CONDITIONS.

SCALE HORIZONTAL SCALE: 20 0 20 40 FEET

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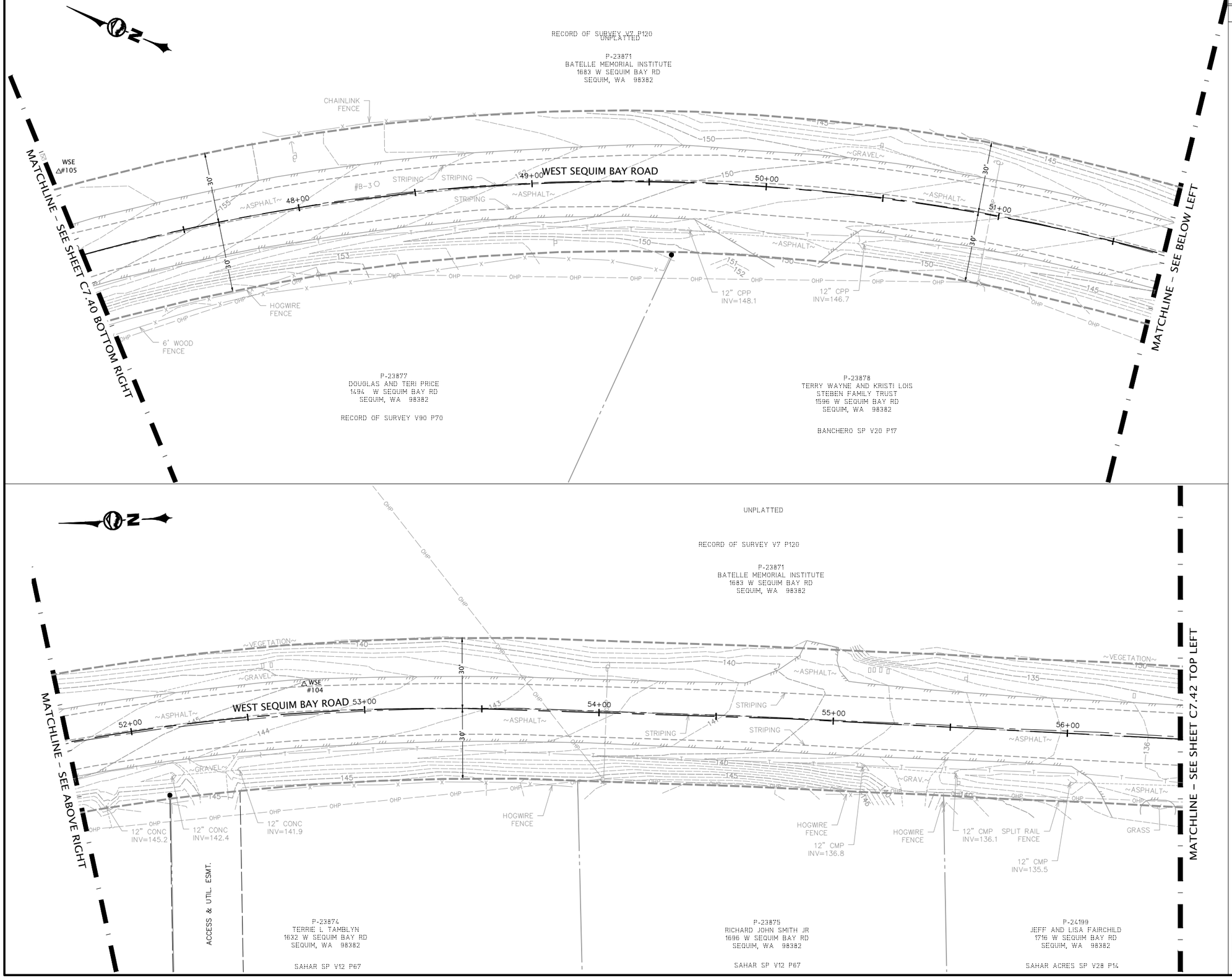
WSB ROAD CHANNELIZATION & SIGNAGE PLANS STA 37+53–47+06

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET C7.41

PAGE 90 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_LINSCREENED.ctb
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SHEET NOTES:

1) SEE SHEET C7.34 FOR STRIPING/SIGNAGE LEGENDS.
2) SEE SHEETS C1.01–C1.10 FOR COMPLETE EXISTING CONDITIONS.

20 0 20 40
SCALE FEET
HORIZONTAL SCALE

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PRELIMINARY

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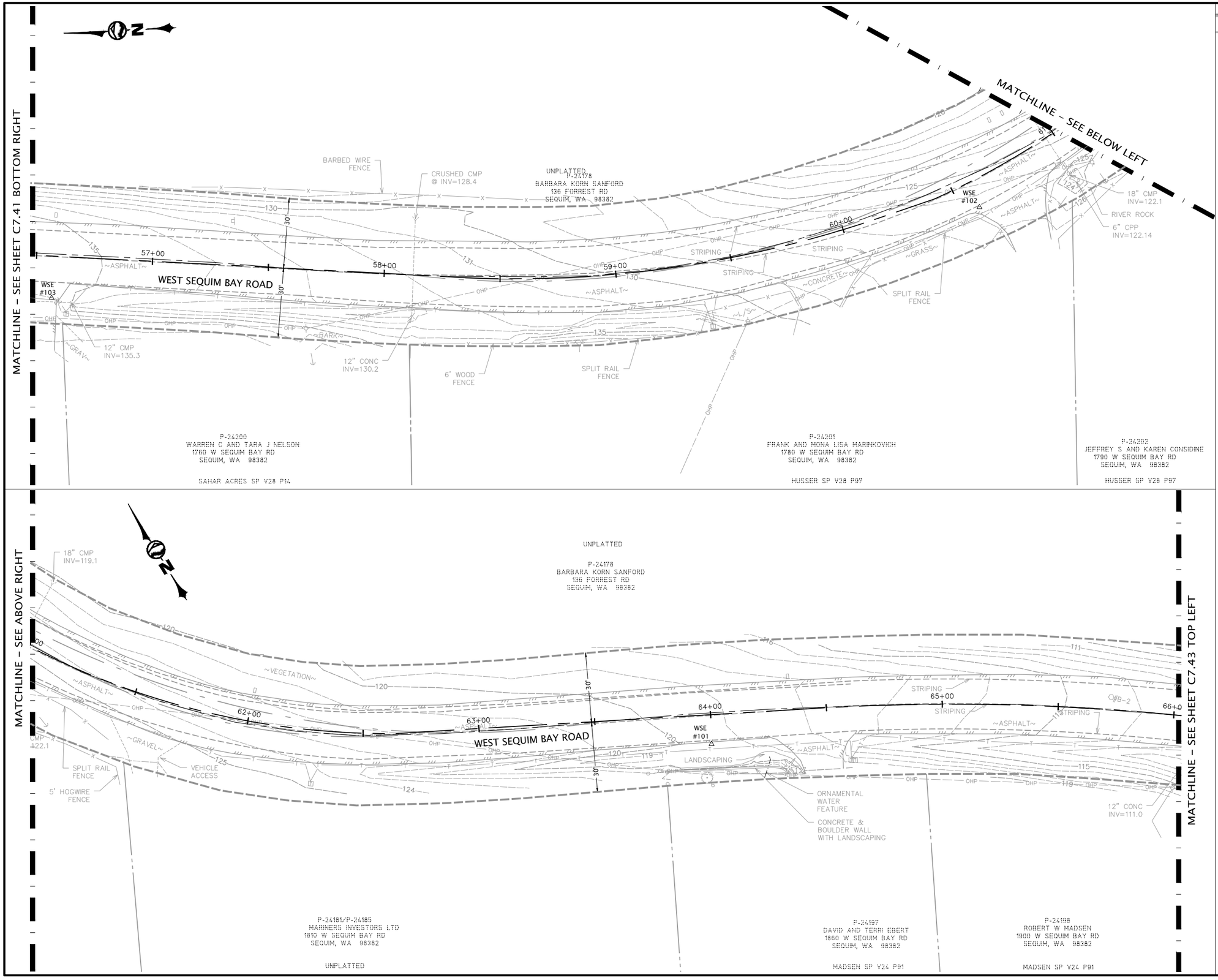
SEQUIM WASHINGTON

WSB ROAD CHANNELIZATION & SIGNAGE PLANS STA 47+06–56+48

SHEET	DATE	SCALE	JOB NUMBER
C7.42	2-23-2024	AS SHOWN	2023-069

PAGE 91 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
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NO.	REVISIONS	BY	DATE

SHEET NOTES:

1) SEE SHEET C7.34 FOR STRIPING/SIGNAGE LEGENDS.
2) SEE SHEETS C1.01–C1.10 FOR COMPLETE EXISTING CONDITIONS.

20 0 20 40
SCALE HORIZONTAL SCALE FEET

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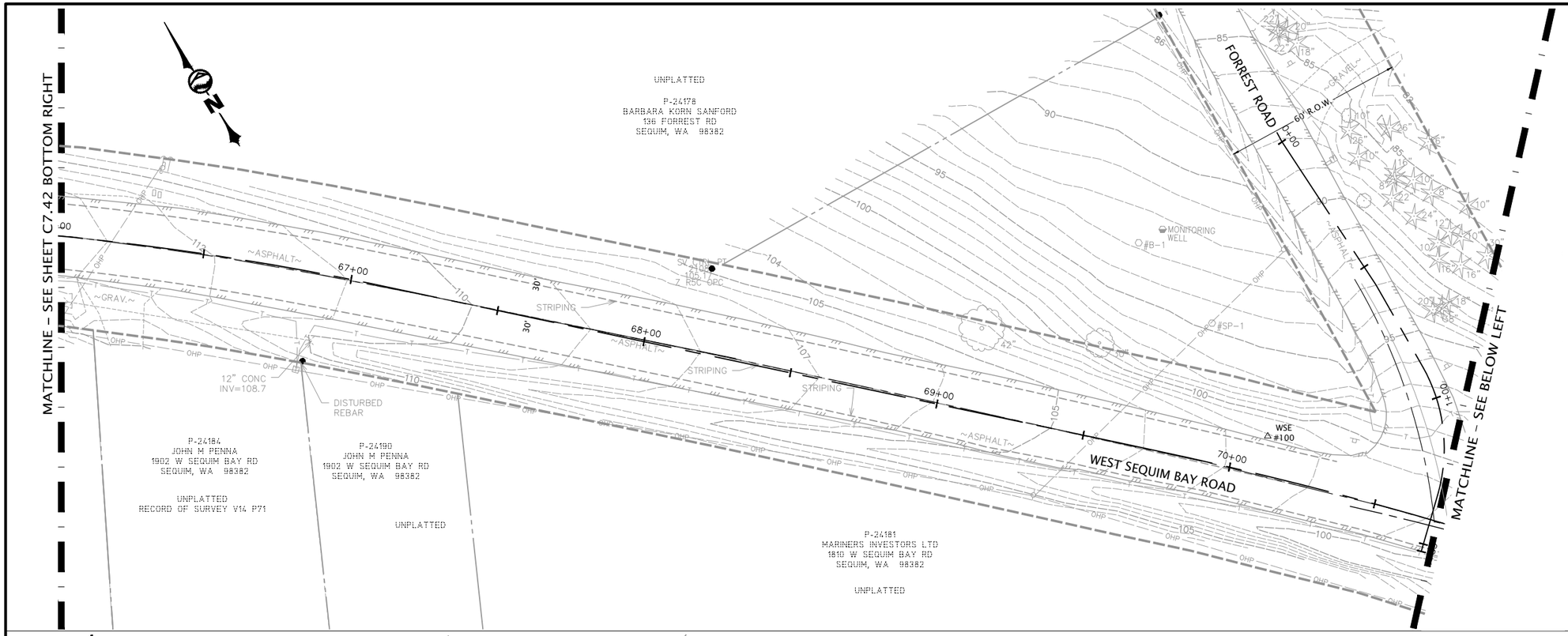
DESIGNED BY	DRAWN BY	CHECKED BY
SJW	JGS	XXX

CITY OF SEQUIM
SEQUIM WASHINGTON
WEST SEQUIM BAY ROAD CORRIDOR PROJECT
WSB ROAD CHANNELIZATION & SIGNAGE PLANS STA 56+48–66+02

SHEET	DATE	SCALE	JOB NUMBER
C7.43	2-23-2024	AS SHOWN	2023-069

PAGE 92 OF X

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SHEET NOTES:

1) SEE SHEET C7.34 FOR STRIPING/SIGNAGE LEGENDS.
2) SEE SHEETS C1.01–C1.10 FOR COMPLETE EXISTING CONDITIONS.

SCALE HORIZONTAL SCALE: 20 0 20 40 FEET

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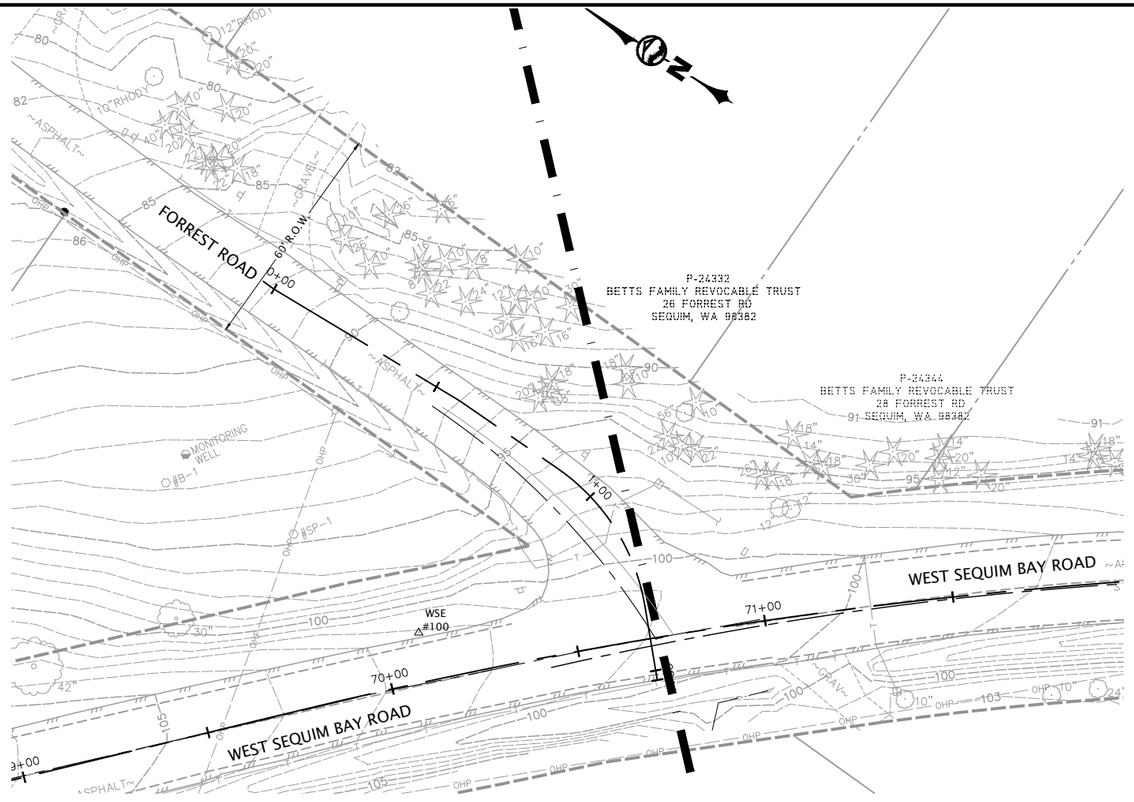
WEST SEQUIM BAY ROAD CORRIDOR PROJECT
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WSB ROAD CHANNELIZATION & SIGNAGE PLANS STA 66+02–73+00

SHEET	DATE	SCALE	JOB NUMBER
C7.44	2-23-2024	AS SHOWN	2023-069

PAGE 93 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1-2, WE APWA_UNSCREENED.ctb
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SHEET NOTES:

1) SEE SHEET C7.34 FOR STRIPING/SIGNAGE LEGENDS.
2) SEE SHEETS C1.01–C1.10 FOR COMPLETE EXISTING CONDITIONS.

20 0 20 40
SCALE HORIZONTAL SCALE FEET

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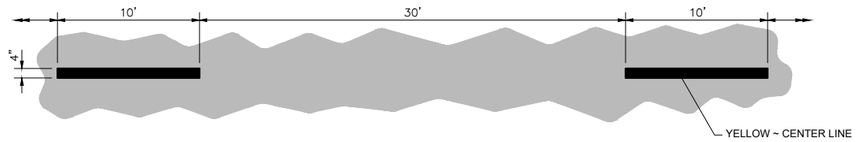
FORREST ROAD CHANNELIZATION & SIGNAGE PLAN

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

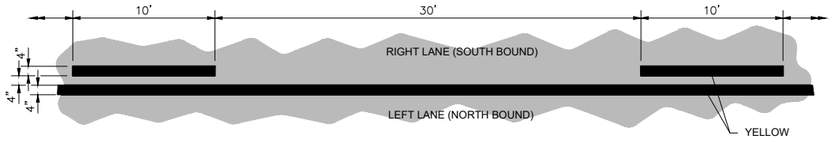
SHEET C7.45

PAGE 94 OF X

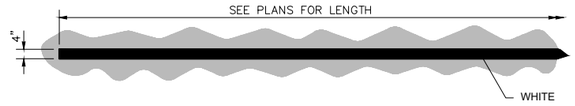
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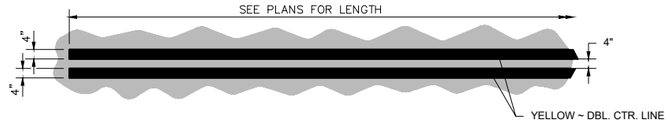
SKIP STRIPE (SS)



LEFT LANE NO-PASSING CENTER STRIPE (LLNPCS)

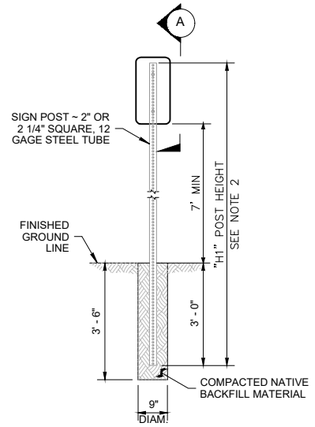


SOLID EDGE STRIPE (SES)

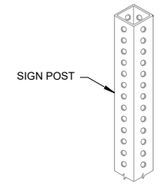


DOUBLE YELLOW CENTER STRIPE (DYCS)

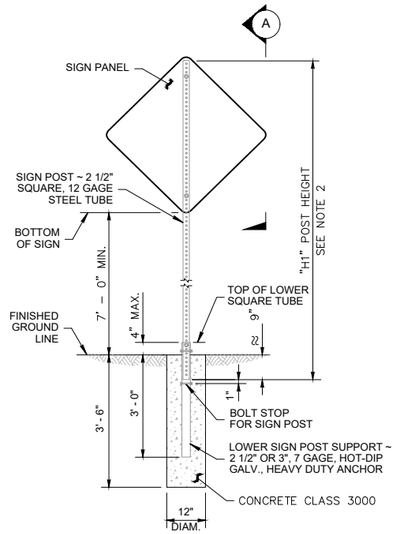
1 LONGITUDINAL STRIPING DETAILS
NOT TO SCALE



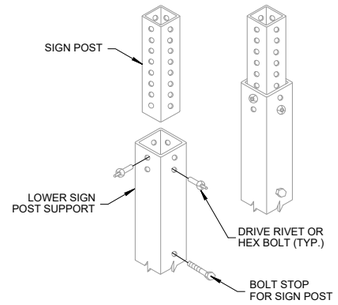
ELEVATION
TYPE ST-1 SIGN SUPPORT



TYPE ST-1



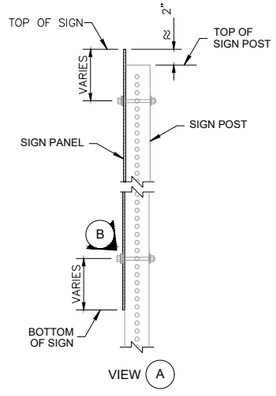
ELEVATION
TYPE ST-4 SIGN SUPPORT

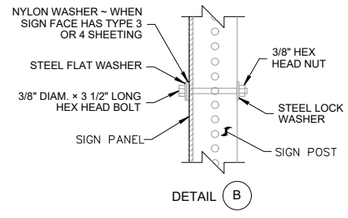


TYPE ST-4

NOTES

1. Dimensions for the parts used to assemble the base connections are intentionally not shown. Base connections are patented, manufactured products that are in compliance with NCHRP 350 crash test criteria. The base connection details are only shown on this plan to illustrate how the parts are assembled.
2. "H1" varies, Contractor to provide post height as required for each sign based on these plans and details.





WSDOT STD PLAN G-24.50.00

2 STEEL SIGN SUPPORT
NOT TO SCALE

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WEST SEQUIM BAY ROAD CORRIDOR PROJECT
SEQUIM WASHINGTON

CHANNELIZATION DETAILS

DATE 2-23-2024 | SCALE AS SHOWN | JOB NUMBER 2023-069

SHEET C7.46 | PAGE 95 OF X

PLOT SETTINGS: Adobe PDF1.pc3, ANSI full bleed B (17.00 x 11.00 Inches), Portrait, 1:2, WE APWA_UNSCREENED.ctb
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2H:1V SLOPE

MEET & MATCH EG
+/- 108.19

MEET & MATCH EG
+/- 107.42

MEET & MATCH EG
+/- 106.56

NEW BUILDING
FFE = 95.00

SDCB #1

SDCB #2

SDCB #3

T.O.W. 102.00

T.O.W. 100.00

T.O.W. 98.00

T.O.W. 96.00

1+00

2+00

3+00

3+13

0+00

FORREST ROAD

60' R.O.W.

WEST SEQUIM BAY ROAD

WSE
#100

STRIPING

~ASPHALT~

MEET & MATCH EG
+/- 91.06

MEET & MATCH EG
+/- 92.95

MEET & MATCH EG
+/- 95.35

N

10 0 10 20
SCALE HORIZONTAL SCALE FEET

LEGEND

= HMA PAVEMENT (1 / C9.08)

= GRAVEL TRENCH DRAIN

= RETAINING WALL

= LANDSCAPE RESTORATION

KEYED NOTES

1. = TYPE #1 SDCB (1 / C9.06)
2. = BUILDING FOOTING DRAIN, CONNECT TO SD (2 / C9.06)
3. = GRAVEL TRENCH DRAIN (3 / C9.06)
4. = DRAIN CLEANOUT (4 / C9.06)
5. = ASPHALT SWALE (5 / C9.06)
6. = TREE PLANTING (1 / C9.07)
7. = RESTORE DISTURBED AREAS WITH SOIL QUALITY AND DEPTH PER ECOLOGY BMP T5.13, AND PLANT WITH HYDORSEED
8. = BUILDING DOWNSPOUT, CONNECT TO SD
9. = GRAVITY BLOCK WALL (X / C9.07)
10. = MSE WALL (X / C9.10)

SURFACE COVERAGE

HMA PAVEMENT:	8,720 sf
LANDSCAPE RESTORATION:	3,340 sf

EARTHWORK

CUT = 950 CY
(INCLUDES 12" DEPTH SOIL STRIPPING, 20" DEPTH PAVEMENT SUB-BASE EXCAVATION, WALL EXCAVATION, AND GENERAL SITE GRADING.)

FILL = 1,485 CY
(INCLUDES IMPORTED STRUCTURAL FILL, PAVEMENT SECTIONS, WALL SECTIONS, AND GENERAL SITE GRADING.)

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LIFT STATION 4 GRADING AND DRAINAGE PLAN

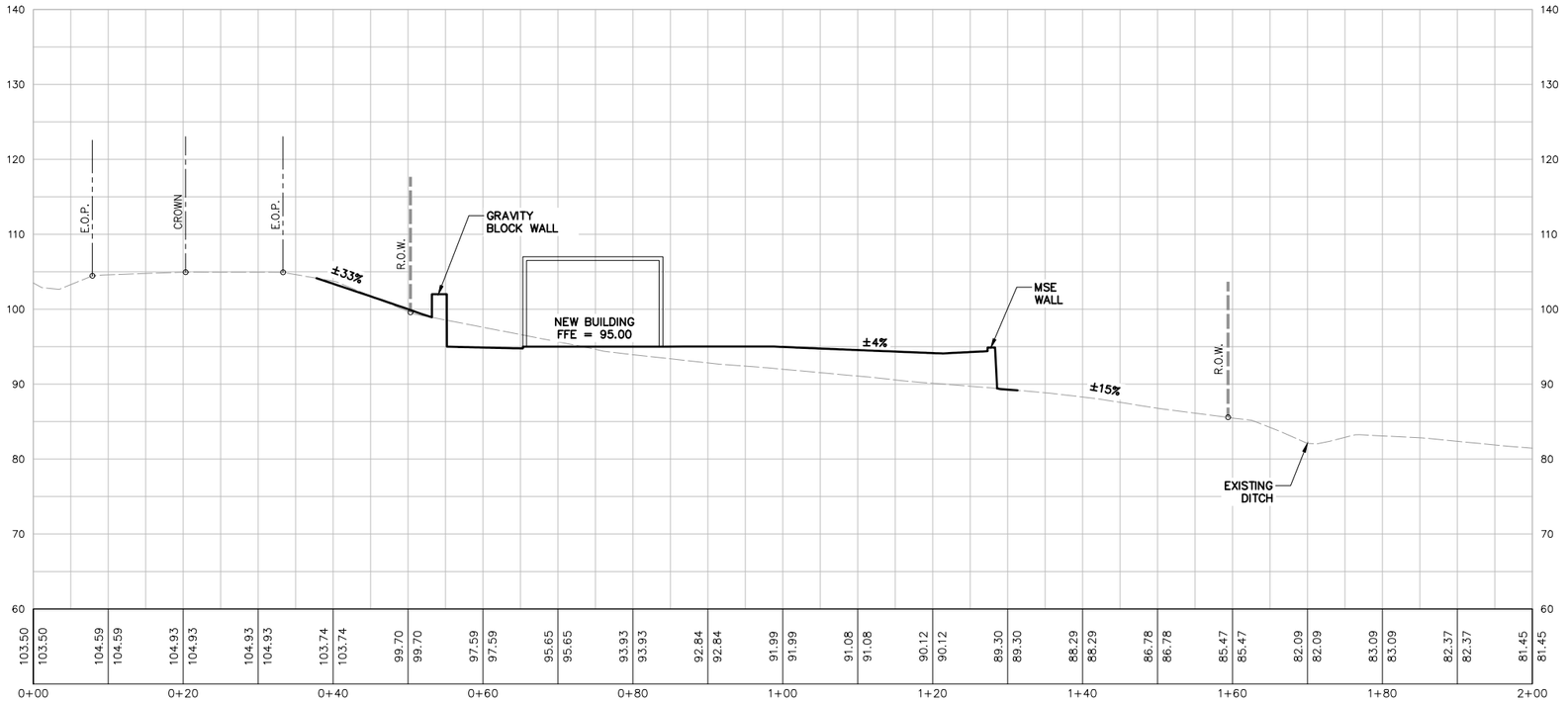
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2-23-2024	AS SHOWN	2023-069

SHEET C8.01

PAGE 96 OF X

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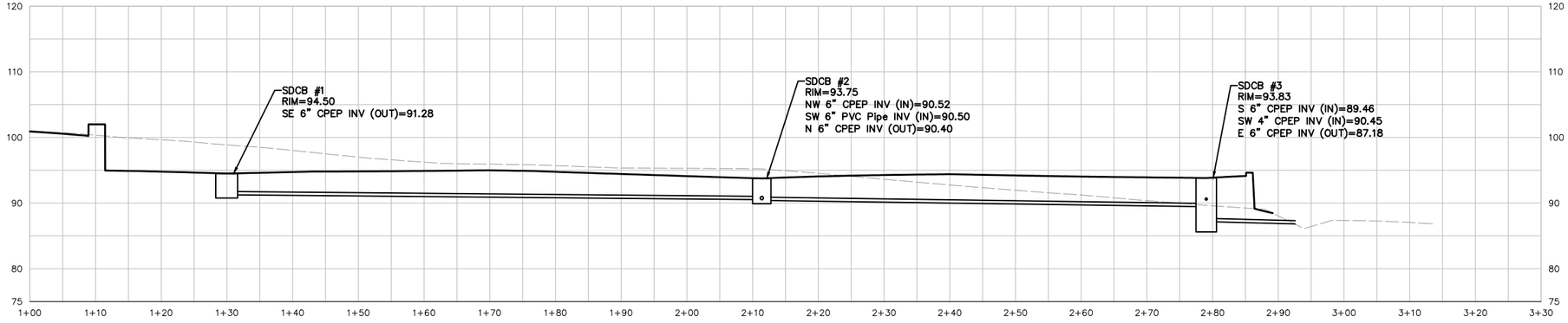
LIFT STATION 4 – SITE PROFILE



10 0 10 20
SCALE FEET
HORIZONTAL SCALE

10 0 10 20
SCALE FEET
VERTICAL SCALE

LIFT STATION 4 – STORM DRAIN PROFILE



10 0 10 20
SCALE FEET
HORIZONTAL SCALE

10 0 10 20
SCALE FEET
VERTICAL SCALE

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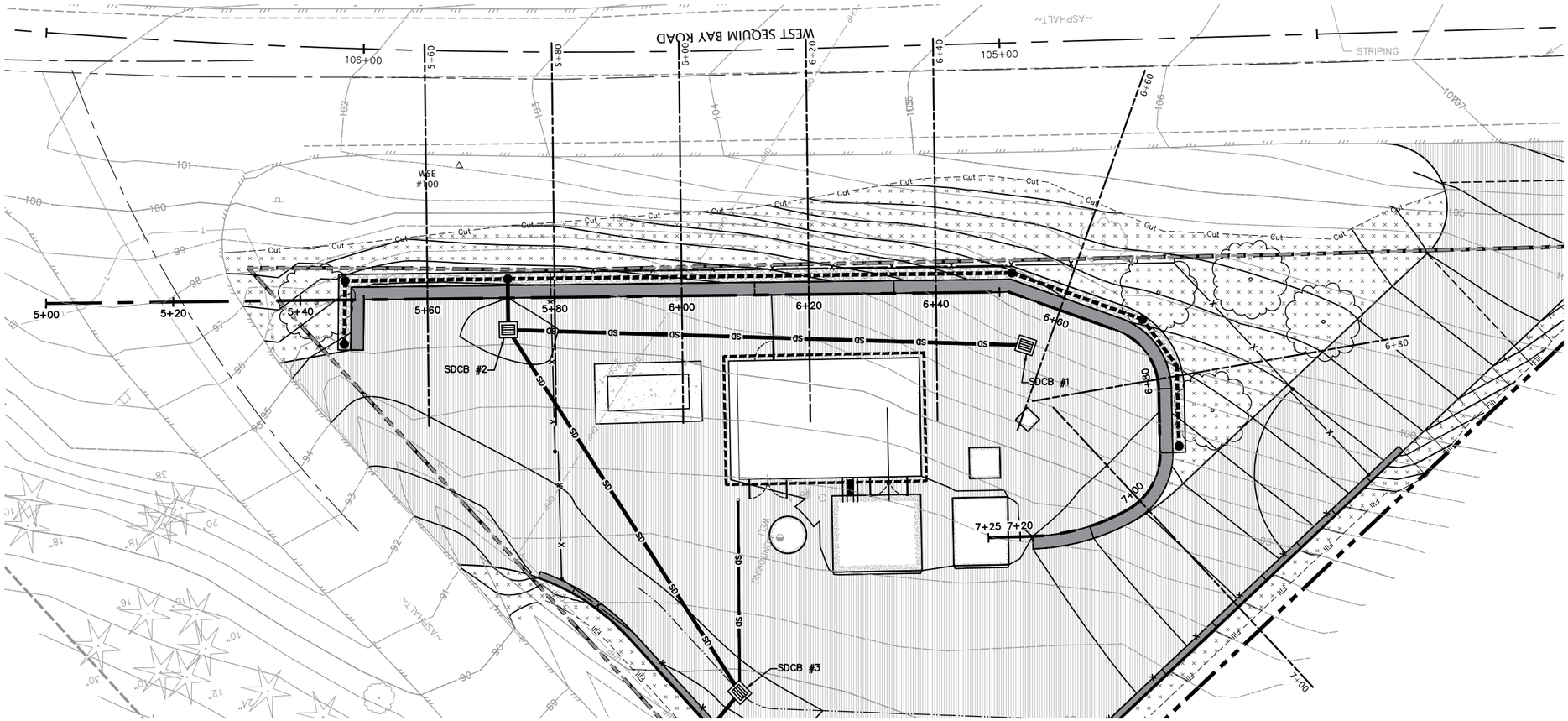
WEST SEQUIM BAY ROAD CORRIDOR PROJECT
SEQUIM WASHINGTON

LIFT STATION 4 SITE & STROM DRAIN SECTIONS

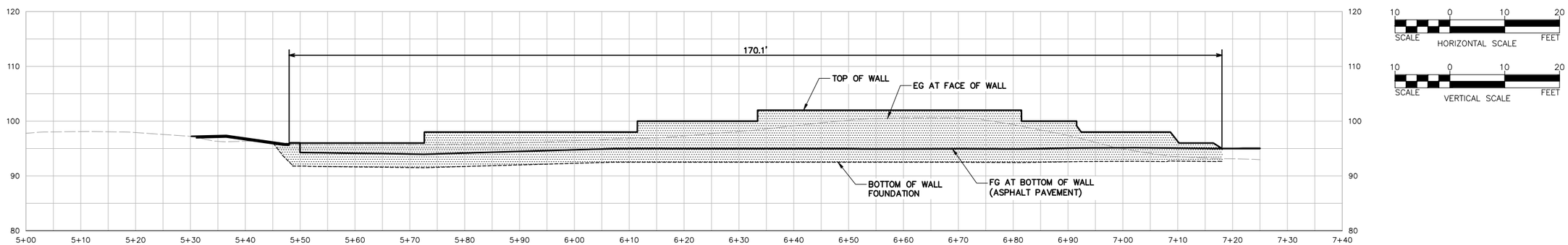
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2-23-2024	AS SHOWN	2023-069

SHEET	PAGE
C8.02	97 OF X

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GRAVITY BLOCK WALL – PROFILE



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SEQUIM WASHINGTON

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GRAVITY BLOCK WALL PLAN & PROFILE

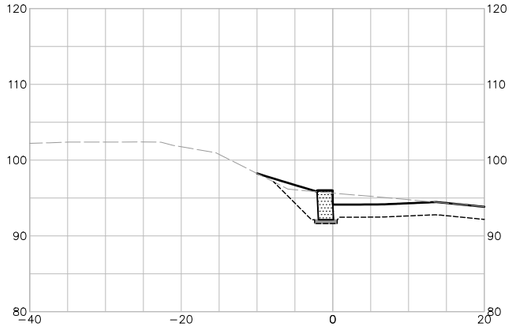
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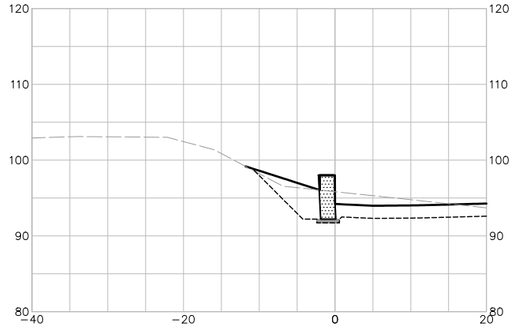
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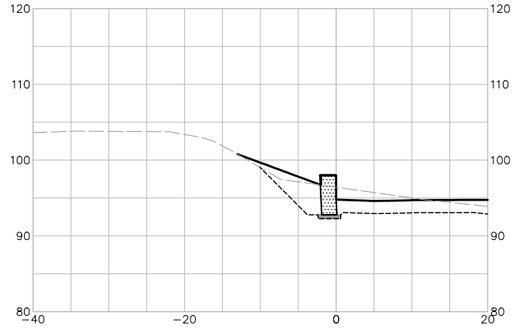
5+60.00

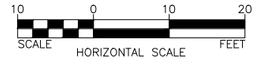


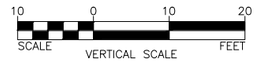
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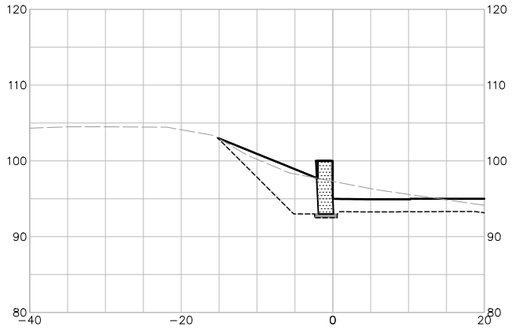
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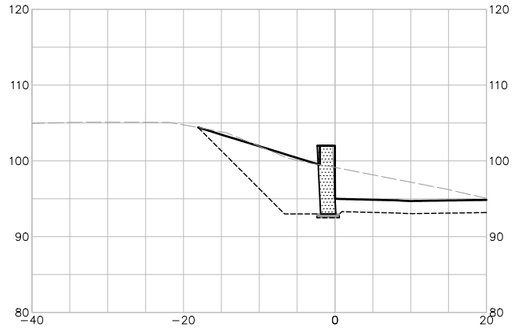




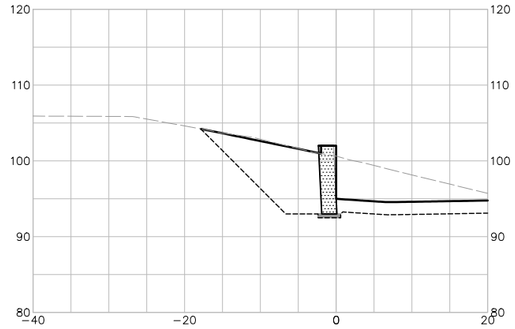
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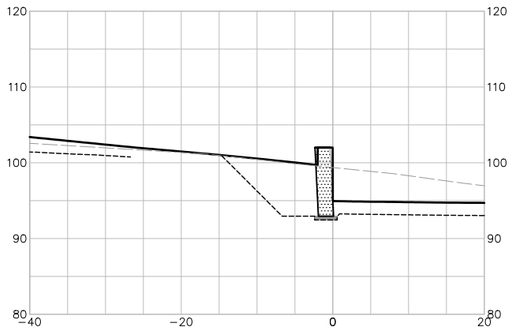
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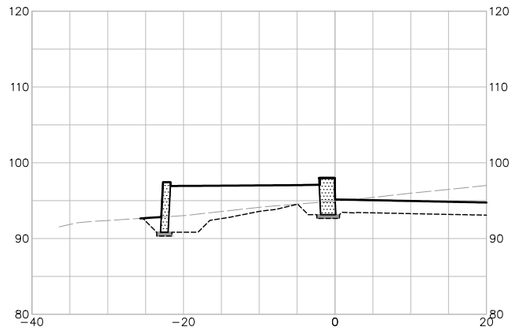
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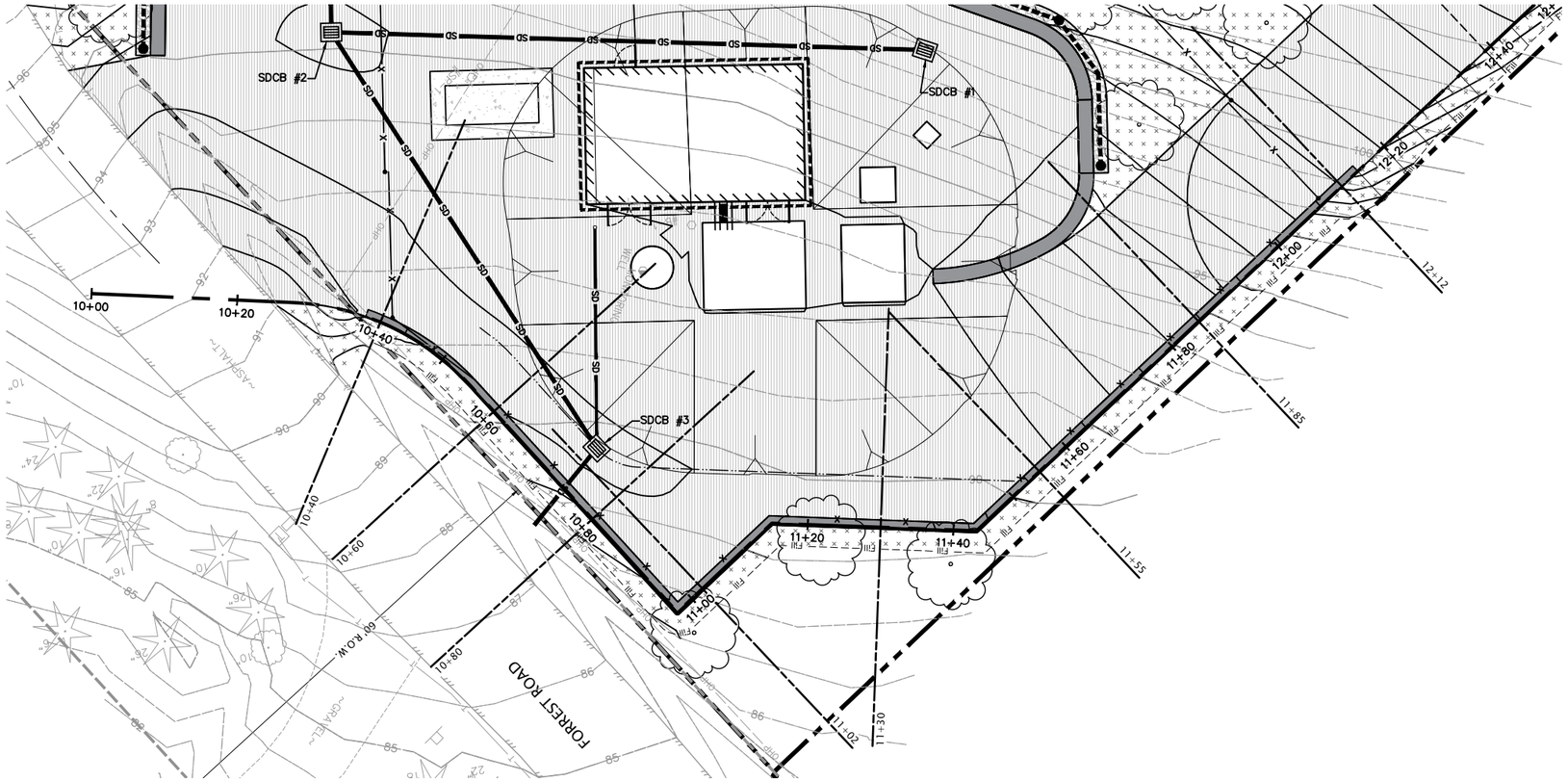
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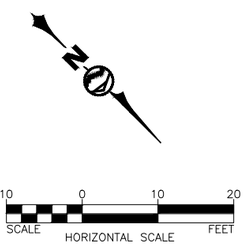
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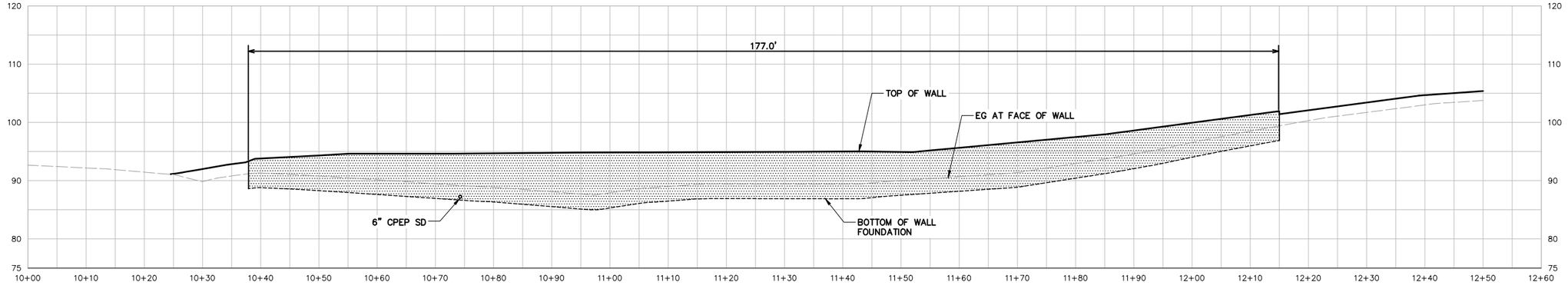
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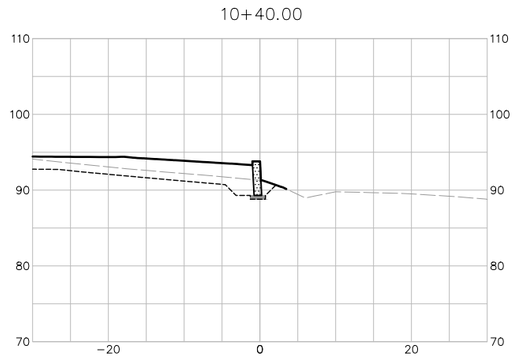
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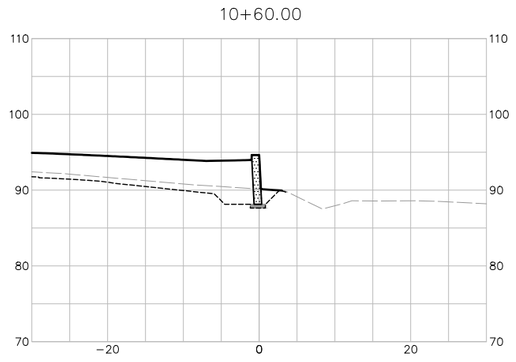
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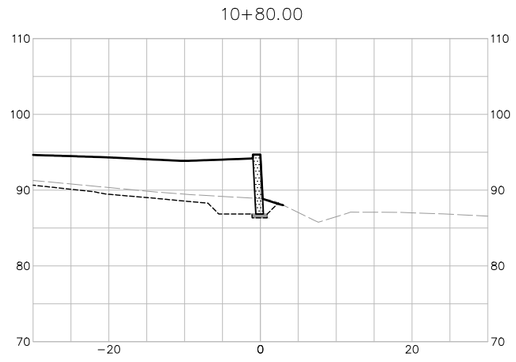
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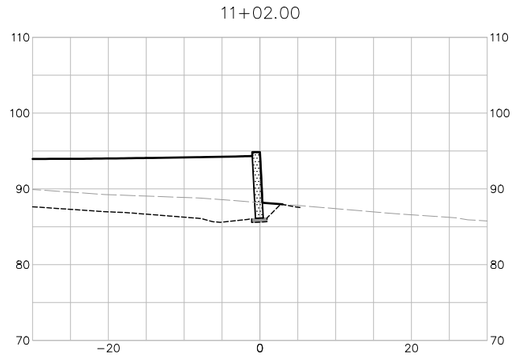
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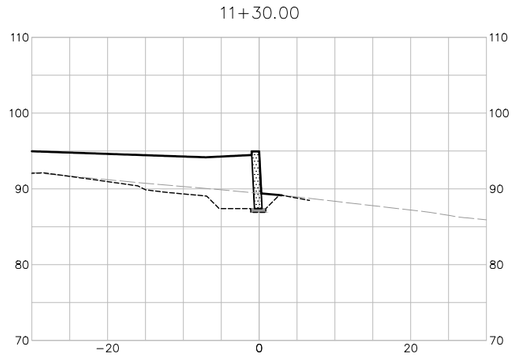
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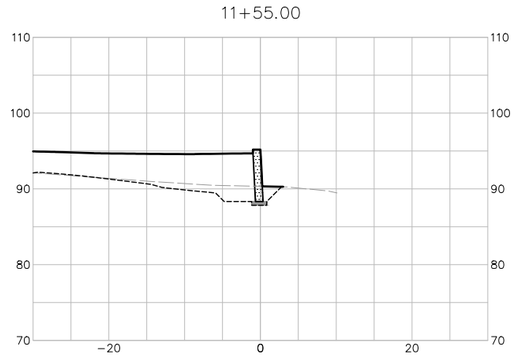


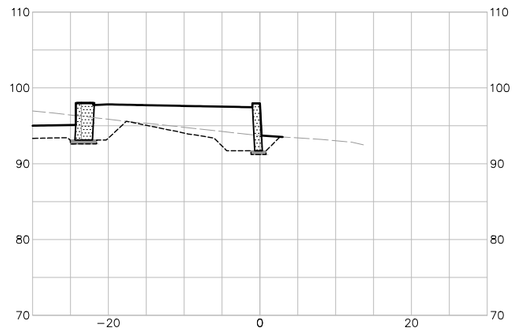


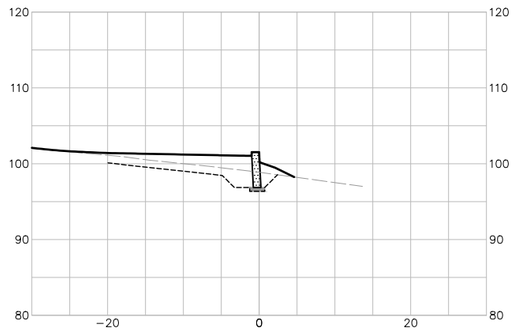


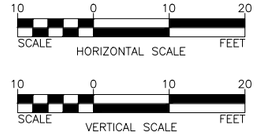












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NO.	REVISIONS	BY	DATE

GENERAL NOTES:

1. CONSTRUCTING SEWER INFRASTRUCTURE MUST BE IN ACCORDANCE WITH THE LATEST EDITION OF THE *STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION* DEVELOPED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT). ANY DEVIATION FROM THESE STANDARD SPECIFICATIONS WILL BE CLEARLY NOTED IN THESE ENGINEERING STANDARDS.
2. SEWER MAINS MUST BE 8" OR LARGER.
3. FOR SEWER MAINS 10 FEET OR LESS BELOW FINISH GRADE PIPE MATERIAL MUST BE EITHER DUCTILE IRON CLASS 52 OR SDR35 PVC MINIMUM.
4. FOR SEWER MAINS BETWEEN 10-15 FEET BELOW FINISH GRADE PIPE MATERIAL MUST BE EITHER DUCTILE IRON CLASS 52 OR SDR26 PVC OR C900 PVC MINIMUM.
5. FOR SEWER MAINS 15 FEET AND DEEPER BELOW FINISH GRADE PIPE MATERIAL MUST BE EITHER DUCTILE IRON CLASS 52 OR DR18 C900 PVC MINIMUM.
6. FOR SEWER FORCE MAINS PIPE MATERIAL MUST BE EITHER DUCTILE IRON CLASS 52, C900 CLASS 52 OR SDR 26 HDPE.
7. DUCTILE IRON PIPE MUST HAVE 1-MIL SEAT COAT PER AWWA C104 OR A CERAMIC-FILLED, AMINE-CURED NOVALAC EPOXY LINING.
8. FOUNDATION MATERIAL MUST BE CLASS A: PER WSDOT STANDARD SPECIFICATIONS.
9. COMPACTION REQUIREMENTS: 95% PER ASTM D1557
10. TRACE WIRE INFORMATION: ALL TRACE WIRE TO BE 12 GAUGE STRANDED COPPER WIRE WITH GREEN PE INSULATION ON ALL SEWER FORCE MAINS, SIDE SEWERS & WITH UNDERGROUND SPLICE KITS ACCEPTABLE TO THE CITY.
11. MANHOLES MUST BE LOCATED AT EVERY INTERSECTION OF MAINS, CHANGE IN GRADE, SIZE OF PIPE, OR PIPE ALIGNMENT; ALONG WITH AT DISTANCES NOT TO EXCEED 400 FEET FOR 15 INCH AND LESS, AND 500 FEET FOR 18-30 INCHES.
12. PIPE VELOCITY MUST BE A MAXIMUM OF 10FT/S AND MINIMUM OF 2FT/S AT FULL FLOW.
13. SEWER PIPES ON A 20-PERCENT OR GREATER SLOPE SHALL BE ANCHORED SECURELY WITH CONCRETE ANCHORS OR EQUAL.
14. "OR EQUAL" MATERIALS ARE SUBJECT TO CITY APPROVAL.
15. ALL NEW LINES MUST BE PRESSURE TESTED. SEE FIGURE 6-01.
16. ALL NEW SEWER LINES MUST BE CAMERA INSPECTED PRIOR TO ACCEPTANCE. SEE FIGURE 6-01.
17. ALL NEW MANHOLES MUST BE VACUUM TESTED. SEE FIGURE 6-01.
18. PRIVATE SIDE SEWER MINIMUM SIZES: RESIDENTIAL UP TO 2 CONNECTIONS MUST BE A MINIMUM OF 4", RESIDENTIAL OVER 2 CONNECTIONS AND ALL COMMERCIAL MUST BE A MINIMUM OF 6".
19. TRENCH BACKFILL MUST BE EITHER BANK RUN GRAVEL OR NATIVE MATERIAL: PER WSDOT STANDARD SPECIFICATIONS. PLACE IN 6 INCH MAXIMUM LOOSE LIFTS AND COMPACTED TO 95% AND ±3% OF OPTIMUM MOISTURE CONTENT PER ASTM D1557. THICKER LIFTS ALLOWED ONLY WITH ENGINEER'S PRIOR WRITTEN PERMISSION.
20. ALL INSPECTIONS MUST BE CALLED IN A MINIMUM OF 72-HOURS IN ADVANCE.

CITY OF SEQUIM | **GENERAL SEWER NOTES** | REVISION NO. 0, DATE 02/16/2023 | FIGURE 6-00

MANHOLE TESTING - VACUUM (NEGATIVE AIR PRESSURE)TEST: THE CITY WILL PERFORM THE VACUUM TEST AFTER RECEIVING NOTICE THE MANHOLES ARE READY FOR TESTING, NOTICE MUST BE A MINIMUM OF 72 HOURS IN ADVANCE.

TESTING OF ALL MANHOLES AND VAULTS MUST BE IN ACCORDANCE WITH THE FOLLOWING:

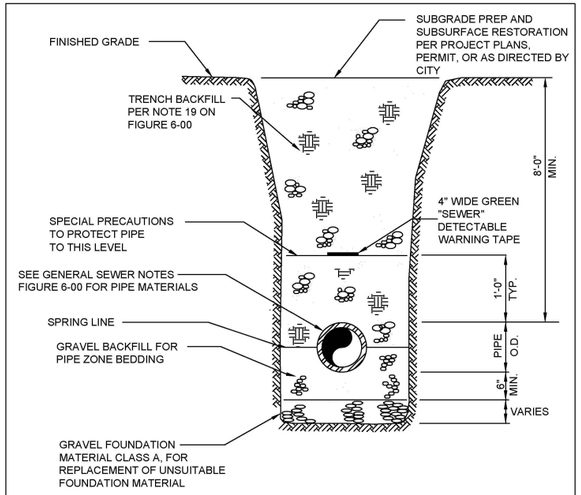
1. ALL LIFT HOLES AND ANY PIPES ENTERING ARE TO BE PLUGGED. CARE MUST BE TAKEN TO SECURELY BRACE THE PIPES, BOOTS AND PLUGS TO PREVENT THEM FROM BEING DRAWN INTO THE MANHOLE.
2. THE TEST HEAD MUST BE PLACED AT THE TOP OF THE MANHOLE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
3. A VACUUM OF 10-INCHES HG MUST BE DRAWN ON THE MANHOLE, THE VALVE ON VACUMM LINE OF THE TEST HEAD CLOSED, AND THE VACUUM PUMP/COMPRESSOR SHUT OFF. THE TIME MUST BE MEASURED FOR THE VACUUM TO DROP TO 9 IN HG.
4. THE MANHOLE IS ACCEPTABLE IF THE TIME FOR THE VACUUM READING TO DROP FROM 10 INCHES HG TO 9 INCHES HG MEETS OR EXCEEDS THE VALUE INDICATED BELOW.

MINIMUM TEST TIMES FOR VARIOUS MANHOLE DEPTHS AND DIAMETERS IN SECONDS						
DEPTH, FT	DIAMETER, IN					
	42	48	54	60	66	72
	TIME, SECONDS					
4	9	10	12	13	15	16
6	13	15	18	20	22	25
8	17	20	23	26	29	33
10	21	25	29	33	36	41
12	25	30	35	39	49	49
14	30	35	41	46	51	57
16	34	40	46	58	58	67
18	38	45	52	59	65	73
20	42	50	53	65	72	81

5. IF THE MANHOLE FAILS THE INITIAL TEST, THE MANHOLE MUST BE REPAIRED BY AN APPROVED METHOD UNTIL A SATISFACTORY TEST IS OBTAINED.

SEE FIGURES 6-01A AND 6-01C FOR MORE TESTING INFORMATION

CITY OF SEQUIM | **TESTING INFORMATION** | REVISION NO. 0, DATE 02/16/2023 | FIGURE 6-01B



NOTES:

1. FOUNDATION MATERIAL, BEDDING, AND BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THIS DETAIL, THE MOST CURRENT WSDOT STANDARD SPECIFICATIONS, AND/OR CITY PROJECT OR PERMIT SPECIFIC REQUIREMENTS, WHICHEVER IS MOST STRINGENT.
2. PIPES SHALL BE RESTRAINED IN FILL OR PREVIOUSLY DISTURBED MATERIAL.
3. CLAY OR BENTONITE DAMS SHALL BE INSTALLED ACROSS THE TRENCH AND TO THE FULL DEPTH OF THE GRANULAR MATERIAL IN ALL AREAS OF STEEP SLOPES, STREAM CROSSINGS AND WETLAND TO PREVENT MIGRATION OF WATER ALONG THE PIPELINE.

CITY OF SEQUIM | **SANITARY SEWER TRENCH SECTION** | REVISION NO. 0, DATE 02/16/2023 | FIGURE 6-02

GENERAL NOTES:

1. ALL TESTS MUST BE COMPLETED WITH A CITY REPRESENTATIVE ONSITE.
2. PRIOR TO TESTING THE SEWER LINE MUST BE CLEAN AND FLUSHED OF ANY DEBRIS.
3. AFTER BACKFILL AND CLEANING THE COMPLETED GRAVITY SEWERS MUST BE TELEVISED.
4. THE FIRST SECTION OF PIPE NOT LESS THAN 300 FEET IN LENGTH INSTALLED BY THE CREW MUST PASS A LOW PRESSURE AIR TEST PRIOR TO PROCEEDING.
5. ALL EQUIPMENT NEEDED IN ORDER TO COMPLETE THE LOW PRESSURE AIR TEST MUST BE FURNISHED AND OPERATED BY THE CONTRACTOR.
6. PRESSURE TESTING MUST BE LIMITED TO BETWEEN MANHOLES.
7. ALL GAUGES AND METERS MUST BE APPROVED BY THE CITY REPRESENTATIVE.
8. ALL MATERIALS MUST BE INSTALLED PER MANUFACTURES SPECIFICATIONS OR PER CITY ENGINEER APPROVAL.

LOW PRESSURE AIR TEST: SUPPLY AIR TO THE PLUGGED PIPE UNTIL THE INTERNAL PRESSURE REACHES 4.0PSI GREATER THAN THE AVERAGE BACK PRESSURE OF ANY GROUND WATER THAT MAY SUBMERGE THE PIPE. AT LEAST TWO MINUTES MUST BE ALLOWED FOR TEMPERATURE STABILIZATION PRIOR TO PROCEEDING.

THE RATE OF AIR LOSS WILL THEN BE DETERMINED BY MEASURING THE TIME INTERVAL REQUIRED FOR THE INTERNAL PRESSURE TO DECREASE FROM 3.5 TO 2.5 PSI. NOTE: THE 3.5 TO 2.5 PSI DOES NOT INCLUDE GROUNDWATER BACK PRESSURE.

MINIMUM TIME FOR A 1.0 PSIG PRESSURE DROP FOR SIZE AND LENGTH OF PIPE FOR Q=0.0015										
PIPE DIAMETER IN.	MINIMUM TIME MIN:S	LENGTH FOR MINIMUM TIME, FT	TIME FOR LONGER LENGTH, S	SPECIFICATION TIME FOR LENGTH (L) SHOWN MIN:S						
				100Ft	150Ft	200Ft	250Ft	300Ft	350Ft	400Ft
6	5:40	398	0.854L	5:40	5:40	5:40	5:40	5:40	5:40	5:52
8	7:34	298	1.520L	7:34	7:34	7:34	7:34	7:36	8:52	10:08
10	9:26	239	2.374L	9:26	9:26	9:26	9:53	11:52	13:51	15:49
12	11:20	199	3.418L	11:20	11:20	11:24	14:15	17:05	19:56	22:47
15	14:10	159	5.342L	14:10	14:10	17:48	22:15	26:42	31:09	35:36
18	17:00	133	7.692L	17:00	19:13	25:38	32:03	38:27	44:52	51:16
21	19:50	114	10.470L	19:50	26:10	34:54	43:37	52:21	61:00	69:48
24	22:40	99	13.674L	22:47	34:11	45:34	56:58	68:22	79:46	91:10
27	25:30	88	17.306L	28:51	43:16	57:41	72:07	86:32	100:57	115:22
30	28:20	80	21.366L	35:37	53:25	71:13	89:02	106:50	124:38	142:26

SEE FIGURES 6-01B AND 6-01C FOR MORE TESTING INFORMATION

CITY OF SEQUIM | **TESTING INFORMATION** | REVISION NO. 0, DATE 02/16/2023 | FIGURE 6-01A

TELEVISED INSPECTION: AFTER THE GRAVITY SEWER LINE HAS BEEN INSTALLED CLEANED, FLUSHED AND THE MANHOLE CHANNELED THE DEVELOPER MUST NOTIFY THE CITY THAT THE MAIN IS READY FOR INSPECTION. THE CITY MUST BE NOTIFIED A MINIMUM OF 72 HOURS PRIOR TO ANY INSPECTION REQUESTED INSPECTION AND INSPECTIONS WILL BE PERFORMED ON A SCHEDULE SUITABLE TO THE CITY. THE DEVELOPER SHALL RUN WATER THROUGH ALL SEWER LINES FOR 5-10 MINUTES TO PROVIDE WATER FOR DETECTION OF ANY ADVERSE GRADE SECTIONS TO BE VISIBLE BY PONDED WATER.
ANY DEFECTS IN MATERIAL OR INSTALLATION INDENTIFIED BY THE TELEVISION INSPECTION SHALL BE REPAIRED AS REQUIERD BY THE CITY AT THE DEVELOPER'S EXPENSE. MAINS WILL BE CONSIDERED DEFECTIVE IF ANY OF THE FOLLOWING APPLY:
1. THE DEPTH OF THE PONDING MEASURES IN EXCESS OF 3% OF THE INTERNAL PIPE DIAMETER.
2. THE LENGTH OF SAG OR CREST VERTICAL CURVE MEASURES IN EXCESS OF 10% OF THE PIPE LENGTH MEASURED BETWEEN MANHOLES.
3. ANY VISUAL DEFECTS OBSERVED IN THE PIPE WALL OR AT JOINTS, TEES, SADDLES OR MANHOLES

PRESSURE TESTING/LEAKAGE TEST FOR FORCE MAINS: PRESSURE TESTS SHALL BE COMPLETED IN CONJUNCTION WITH THE LEAKAGE TEST. ALL THRUST BLOCKS AND ANCHORS SHALL BE IN PLACE AND THE PIPE SHALL BE SECURED OR BURIED, BUT ALL CONNECTIONS MUST BE LEFT UNCOVERED FOR OBSERVATION. THE SYSTEM WILL THEN BE PUMPED UP TO 225 PSI FOR A TIME OF 30 MINUTES (ONCE IT REACHES PRESSURE). IF THERE IS AN ABRUPT DROP IN PRESSURE OR ANY VISIBLE LEAKS DISCOVERED IN THE 30 MINUTE PERIOD THE TEST WILL BE STOPPED AND THE ISSUE WILL BE RESOLVED. UPON COMPLETION OF THE 30 MINUTE PERIOD IF THERE ARE NO ABRUPT DROPS IN PRESSURE OR VISIBLE LEAKS, THE WATER LINE WILL BE PUMPED BACK UP TO 225 PSI THROUGH A POSITIVE DISPLACEMENT WATER METER. THE LEAKAGE TEST WILL BE DETERMINED BY THE AMOUNT OF WATER THAT IS REQUIRED TO PUMP THE WATER LINE BACK TO PRESSURE. THE AMOUNT OF WATER THAT LEAKED IN THE 30 MINUTE TIME FRAME MAY NOT EXCEED THE VALUE SPECIFIED IN THE TABLE BELOW. IF THE AMOUNT OF LEAKAGE EXCEEDS THE ALLOWABLE LEAKAGE, THE LEAK MUST BE LOCATED AND FIXED BEFORE A FOLLOW-UP TEST CAN BE COMPLETED.

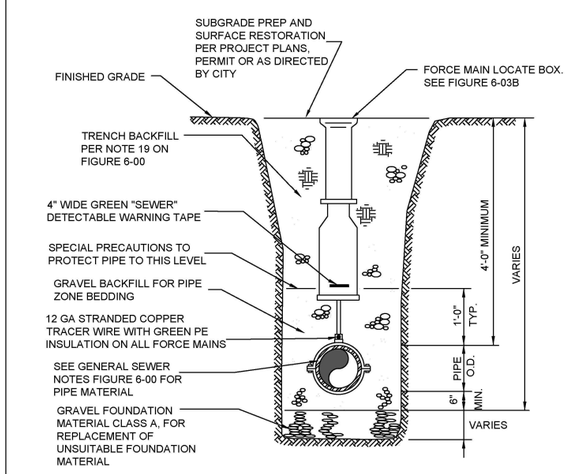
ALLOWABLE LEAKAGE TABLE	
PIPE DIAM. (IN.)	GAL. PER 0.5 HOUR PER 100 FT@ 225 PSI
2	0.0056
4	0.0113
6	0.0169
8	0.0225
10	0.0282
12	0.0338
15	0.0422
18	0.0507

L=(SD√P)/266400
WHERE:
L = ALLOWABLE LEAKAGE, GALLONS/HOUR
D = NOMINAL DIAMETER OF THE PIPE IN INCHES
P = TEST PRESSURE DURING THE LEAKAGE TEST (PSI)
S = GROSS LENGTH OF PIPE TESTED, FEET

NOTE: EQUATION IS GAL/HOUR, DIVIDE BY 2 TO GET GAL/ HALF HOUR MULTIPLY BY 10 TO GET PER 1000 FT DATA

SEE 6-01A & 6-01B FOR MORE TESTING INFORMATION

CITY OF SEQUIM | **TESTING INFORMATION** | REVISION NO. 0, DATE 02/16/2023 | FIGURE 6-01C



NOTES:

1. FOUNDATION MATERIAL, BEDDING, AND BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THIS DETAIL, THE MOST CURRENT WSDOT STANDARD SPECIFICATIONS AND/OR PROJECT OR PERMIT SPECIFIC REQUIREMENTS, WHICHEVER IS MOST STRINGENT
2. CLAY OR BENTONITE DAMS MUST BE INSTALLED ACROSS THE TRENCH AND TO FULL DEPTH OF THE GRANULAR MATERIAL IN ALL AREAS OF STEEP SLOPES, STREAM CROSSINGS, AND WETLANDS, TO PREVENT MIGRATION OF WATER ALONG FORCE MAIN.

CITY OF SEQUIM | **SANITARY SEWER TRENCH SECTION (FORCE MAIN)** | REVISION NO. 0, DATE 02/16/2023 | FIGURE 6-03A

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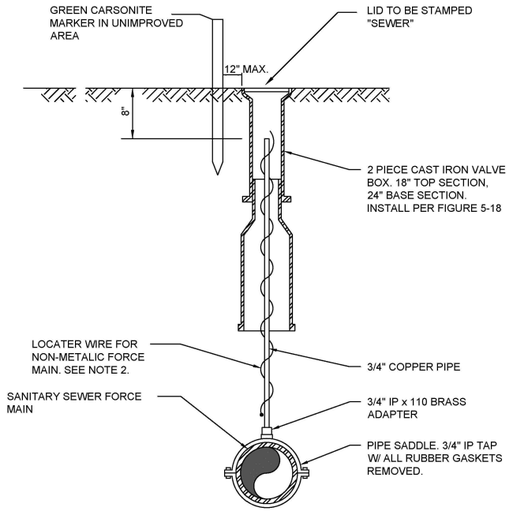
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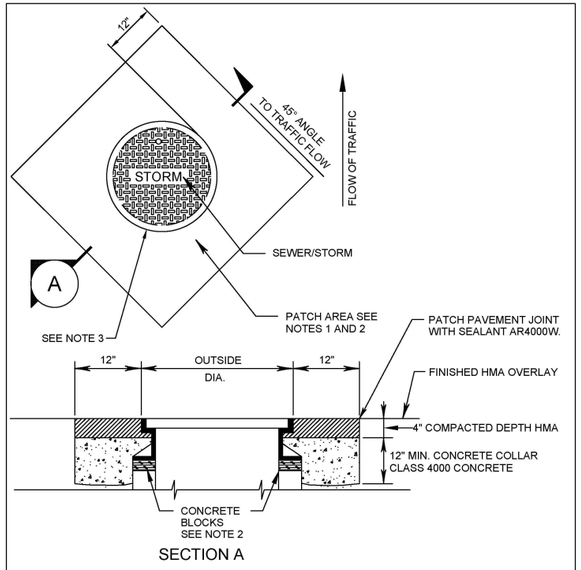
NOTES:

1. LOCATE AT ENDS OF FORCE MAINS, ALL HORIZONTAL BENDS AND AT 300 FT. MAX SPACING, OR AS REQUIRED BY CITY
2. ON NON-METALIC FORCE MAINS, PROVIDE 12 GAUGE COATED COPPER WIRE BETWEEN LOCATION BOXES. WRAP ALONG FORCE MAIN PIPE AND UP COPPER PIPE AT EACH END. LOCATE WIRE MUST EXTENT A MINIMUM OF 2 FEET ABOVE FINISH GRADE.

CITY OF SEQUIM | **FORCE MAIN LOCATION BOX**

REVISION NO.	DATE
0	02/16/2023

FIGURE 6-03B



SECTION A

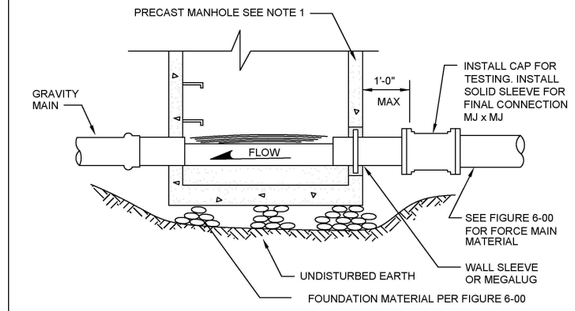
NOTES:

1. REMOVE PAVEMENT AND BASE MATERIALS WITHIN THE PATCH AREA AS DETAILED. ADJUST CASTING FRAME TO NEW PAVEMENT SURFACE USING CONCRETE BLOCKS & CONCRETE GROUT.
2. 2"x4"x8" SOLID BRICK USED FOR FINAL ADJUSTMENT TO GRADE. 6" HIGH MAX.
3. CONTRACTOR SHALL FURNISH AND INSTALL COMPOSITE MANHOLE COVERS (GMI COMPOSITE OR CONTRACTING AGENCY APPROVED EQUAL) ON ALL EXISTING SEWER/STORM MANHOLES. BOLT TO EXISTING COLLAR. PROVIDE EXISTING LID TO CONTRACTING AGENCY.

CITY OF SEQUIM | **MANHOLE PAVING DETAIL**

REVISION NO.	DATE
0	02/16/2023

FIGURE 6-04B



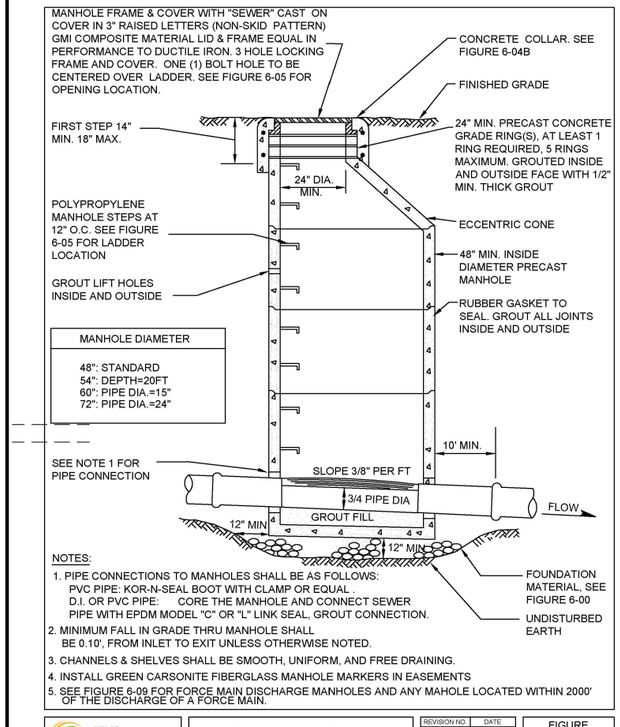
NOTES:

1. ALL MANHOLES LOCATED WITHIN 2000' OF THE FORCE MAIN DISCHARGE MUST BE HPDE LINED OR EQUAL.
2. SEE FIGURE 6-04A FOR STANDARD MANHOLE DETAILS
3. ALIGN FORCE MAIN DISCHARGE AXIS WITH OUTLET PIPE.
4. RESTRAIN FORCE MAIN JOINTS AND FITTINGS IN ACCORDANCE WITH FIGURE 5-07

CITY OF SEQUIM | **FORCE MAIN DISCHARGE MANHOLE**

REVISION NO.	DATE
0	02/16/2023

FIGURE 6-09



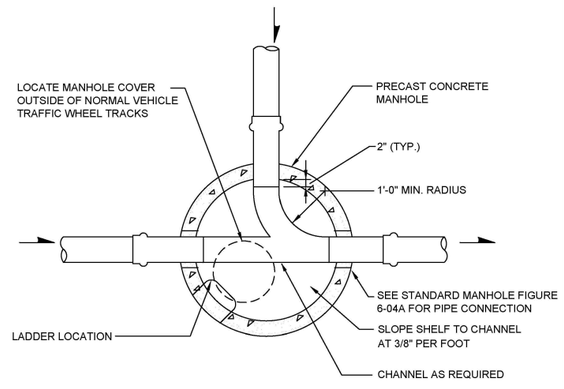
NOTES:

1. PIPE CONNECTIONS TO MANHOLES SHALL BE AS FOLLOWS:
   PVC PIPE: KOR-N-SEAL BOOT WITH CLAMP OR EQUAL.
   D.I. OR PVC PIPE: CORE THE MANHOLE AND CONNECT SEWER PIPE WITH EPDM MODEL "C" OR "L" LINK SEAL. GROUT CONNECTION.
2. MINIMUM FALL IN GRADE THRU MANHOLE SHALL BE 0.10', FROM INLET TO EXIT UNLESS OTHERWISE NOTED.
3. CHANNELS & SHELVES SHALL BE SMOOTH, UNIFORM, AND FREE DRAINING.
4. INSTALL GREEN CARSONITE FIBERGLASS MANHOLE MARKERS IN EASEMENTS
5. SEE FIGURE 6-09 FOR FORCE MAIN DISCHARGE MANHOLES AND ANY MAHOLE LOCATED WITHIN 2000' OF THE DISCHARGE OF A FORCE MAIN.

CITY OF SEQUIM | **SANITARY SEWER MANHOLE SECTION**

REVISION NO.	DATE
0	02/16/2023

FIGURE 6-04A



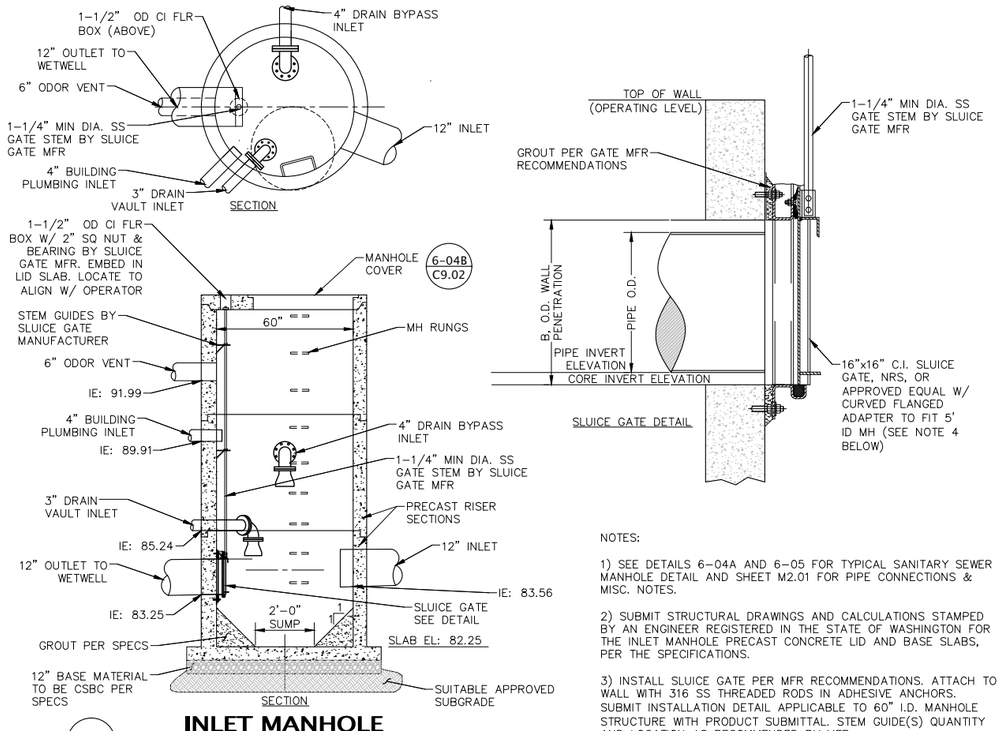
NOTES:

1. CONFIRM FRAME AND COVER LOCATION WITH CITY.

CITY OF SEQUIM | **SANITARY SEWER MANHOLE PLAN**

REVISION NO.	DATE
0	02/16/2023

FIGURE 6-05



1 **INLET MANHOLE**
NOT TO SCALE

NOTES:

1) SEE DETAILS 6-04A AND 6-05 FOR TYPICAL SANITARY SEWER MANHOLE DETAIL AND SHEET M2.01 FOR PIPE CONNECTIONS & MISC. NOTES.

2) SUBMIT STRUCTURAL DRAWINGS AND CALCULATIONS STAMPED BY AN ENGINEER REGISTERED IN THE STATE OF WASHINGTON FOR THE INLET MANHOLE PRECAST CONCRETE LID AND BASE SLABS, PER THE SPECIFICATIONS.

3) INSTALL SLUICE GATE PER MFR RECOMMENDATIONS. ATTACH TO WALL WITH 316 SS THREADED RODS IN ADHESIVE ANCHORS. SUBMIT INSTALLATION DETAIL APPLICABLE TO 60" I.D. MANHOLE STRUCTURE WITH PRODUCT SUBMITTAL. STEM GUIDE(S) QUANTITY AND LOCATION AS RECOMMENDED BY MFR.

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CITY OF SEQUIM
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SEQUIM WASHINGTON
SEWER DETAILS 2

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

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GENERAL NOTES:

1. CONSTRUCTING WATER MAINS 16 INCHES IN DIAMETER AND SMALLER MUST BE IN ACCORDANCE WITH THE LATEST EDITION OF THE *STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION* DEVELOPED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT), SPECIFICALLY SECTION 7-09 *WATER MAINS*. ANY DEVIATION FROM THESE STANDARD SPECIFICATION WILL BE CLEARLY NOTED IN THESE STANDARDS.
2. WATER MAIN PIPE MATERIAL MUST BE EITHER DUCTILE IRON CLASS 52 OR C900 PVC PRESSURE CLASS DR18 MINIMUM.
3. FOUNDATION MATERIAL MUST BE CLASS A: PER WSDOT STANDARD SPECIFICATIONS.
4. COMPACTION REQUIREMENTS: 95% PER ASTM D1557
5. TRACE WIRE INFORMATION: ALL TRACE WIRE TO BE 12 GAUGE STRANDED COPPER WIRE WITH BLUE PE INSULATION ON ALL WATER LINES & WITH UNDERGROUND SPLICE KITS ACCEPTABLE TO THE CITY.
6. METER PLACEMENT: METER SHALL BE INSTALLED IN A NON VEHICULAR TRAFFIC AREA SATISFACTORY TO THE CITY. IF THE METER MUST BE PLACED IN A VEHICULAR TRAFFIC AREA, THEN A H20 RATED LID MUST BE PROVIDED.
7. "OR EQUAL" MATERIALS ARE SUBJECT TO CITY APPROVAL.
8. ALL PIPES MUST BE NSF 61 COMPLIANT, ALL JOINTS AND FITTINGS MUST BE NSF 61 & 372 COMPLIANT.
9. ALL NEW CONNECTION 2" AND LARGER MUST HAVE A SHUTOFF VALVE; SEE FIGURE 5-04 FOR PLACEMENT.
10. ALL NEW WATER LINES MUST BE DISINFECTED PER ANSI/AWWA C651, INCLUDING BUT NOT LIMITED TO FIRE HYDRANT EXTENSIONS. SEE FIGURE 5-01.
11. ALL LINES MUST BE FLUSHED AFTER DISINFECTING PROCESS COMPLETE, AND A BACTERIOLOGICAL SAMPLE WILL BE COLLECTED BY THE CITY. SEE FIGURE 5-01.
12. ALL NEW LINES MUST BE PRESSURE TESTED. SEE FIGURE 5-01.
13. ONLY CITY REPRESENTATIVES ARE ALLOWED TO OPERATE EXISTING AND NEW TIE IN VALVES.
14. ALL TESTS MUST BE COMPLETED BEFORE CONNECTING TO THE EXISTING WATER MAIN, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
15. ALL VALVES LARGER THAN 2 INCHES SHALL BE RESILIENT SEAT GATE VALVES.
16. NO SERVICE CONNECTIONS SHALL BE MADE TO FIRE HYDRANT LINES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

CITY OF SEQUIM | **GENERAL WATER NOTES** | REVISION NO. 0 | DATE 07/11/2022 | FIGURE 5-00

PRESSURE TESTING/LEAKAGE TEST: PRESSURE TESTS SHALL BE COMPLETED IN CONJUNCTION WITH THE LEAKAGE TEST. ALL THRUST BLOCKS AND ANCHORS SHALL BE IN PLACE AND THE PIPE SHALL BE SECURED OR BURIED, BUT ALL CONNECTIONS MUST BE LEFT UNCOVERED FOR OBSERVATION. THE SYSTEM WILL THEN BE PUMPED UP TO 225 PSI FOR A TIME OF 30 MINUTES (ONCE IT REACHES PRESSURE). IF THERE IS AN ABRUPT DROP IN PRESSURE OR ANY VISIBLE LEAKS DISCOVERED IN THE 30 MINUTE PERIOD THE TEST WILL BE STOPPED AND THE ISSUE WILL BE RESOLVED. UPON COMPLETION OF THE 30 MINUTE PERIOD IF THERE ARE NO ABRUPT DROPS IN PRESSURE OR VISIBLE LEAKS, THE WATER LINE WILL BE PUMPED BACK UP TO 225 PSI THROUGH A POSITIVE DISPLACEMENT WATER METER. THE LEAKAGE TEST WILL BE DETERMINED BY THE AMOUNT OF WATER THAT IS REQUIRED TO PUMP THE WATER LINE BACK TO PRESSURE. THE AMOUNT OF WATER THAT LEAKED IN THE 30 MINUTE TIME FRAME MAY NOT EXCEED THE VALUE SPECIFIED IN THE TABLE BELOW. IF THE AMOUNT OF LEAKAGE EXCEEDS THE ALLOWABLE LEAKAGE, THE LEAK MUST BE LOCATED AND FIXED BEFORE A FOLLOW-UP TEST CAN BE COMPLETED.

ALLOWABLE LEAKAGE TABLE	
PIPE DIAM. (IN.)	GAL. PER 0.5 HOUR PER 100 FT@ 225 PSI
2	0.0056
4	0.0113
6	0.0169
8	0.0225
10	0.0282
12	0.0338
15	0.0422
18	0.0507

$L=(SD\sqrt{P})/266400$

WHERE:

L = ALLOWABLE LEAKAGE, GALLONS/HOUR

D = NOMINAL DIAMETER OF THE PIPE IN INCHES

P = TEST PRESSURE DURING THE LEAKAGE TEST (PSI)

S = GROSS LENGTH OF PIPE TESTED, FEET

NOTE: EQUATION IS GAL/HOUR, DIVIDE BY 2 TO GET GAL/ HALF HOUR MULTIPLY BY 10 TO GET PER 1000 FT DATA

DECHLORINATING: THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF DISINFECTING SOLUTION TO THE SATISFACTION OF THE CONTRACTING AGENCY AND LOCAL AUTHORITIES. AT A MINIMUM, CHLORINATED WATER SHALL BE DECHLORINATED TO A CONCENTRATION OF 0.1 PARTS PER MILLION (ppm) OR LESS, AND PH ADJUSTMENT TO WITHIN 6.5-8.5 STANDARD UNITS BEFORE DISCHARGING TO SURFACE WATERS OF THE STATE OR TO A STORM SEWER SYSTEM THAT DRAINS TO SURFACE WATERS OF THE STATE.

FLUSHING: THE WATER MAINS SHALL BE FLUSHED AT A RATE TO PROVIDE A MINIMUM VELOCITY OF 2.5 FEET PER SECOND IN THE MAIN. ANY PERMANENT OR TEMPORARY TAP REQUIRED FOR RELEASE OF AIR, CHLORINATION, OR FLUSHING PURPOSES SHALL BE PROVIDED BY THE DEVELOPER.

SEE 5-01A FOR MORE TESTING INFORMATION

CITY OF SEQUIM | **TESTING INFORMATION** | REVISION NO. 0 | DATE 07/11/2022 | FIGURE 5-01B

1. SERVICE SADDLE WITH DOUBLE STAINLESS STEEL STRAPS, ROMAC 202NS OR EQUAL
2. 1" BRASS BALL CORP STOP, 300 PSI WORKING PRESSURE, MUELLER OR EQUAL, WITH STAINLESS STEEL TUBING INSERT STIFFENERS FOR 1" IPS SIDR 7 POLY TUBING
3. 1" IPS POLY WATER SERVICE TUBING, SIDR 7, ADS OR EQUAL
4. 12 GA STRANDED COPPER TRACE WIRE WITH BLUE PE INSULATION AND WITH UNDERGROUND SPLICE KITS, SPLICE TO WATER MAIN TRACE WIRE, WRAP TRACE WIRE AROUND WATER TUBING FULL LENGTH AND STORE 2' LENGTH IN METER BOX
5. 1" IPS PACKJOINT X 3/4" WITH PINCH NUT OR 1" METER SWIVEL NUT LOCKING BRASS BALL-TYPE METER ANGLE STOP, 300 PSI WORKING PRESSURE, MUELLER OR EQUAL, WITH STAINLESS STEEL TUBING INSERT STIFFENERS FOR 1" IPS SIDR 7 POLY TUBING
6. 3/4" X 5/8", 3/4", OR 1" WATER METER WITH 3/4" OR 1" TAIL PIECE (METER AND TAIL PIECE SUPPLIED BY CITY)
7. 3/4" OR 1" BRASS PRESSURE REDUCING VALVE, 300 PSI MAX INLET PRESSURE, WATTS OR EQUAL
8. 3/4" OR 1" X 12" BRONZE PIPE NIPPLE
9. 3/4" OR 1" LEAD FREE BRONZE DOUBLE CHECK VALVE BACKFLOW PREVENTER WITH SHUTOFF VALVES (FOR LOW HAZARD INSTALLATIONS), 175 PSI WORKING PRESSURE, WATTS LF007 OR EQUAL
10. CUSTOMER WATER SERVICE LINE
11. SEE FIGURE 5-05 FOR METER BOX DETAILS

GENERAL NOTES:

1. NO SPLICES IN POLY WATER SERVICE TUBING BETWEEN WATER MAIN CONNECTION AND WATER METER.
2. SERVICE FROM WATER METER TO SERVED STRUCTURE BY CUSTOMER.
3. INDIVIDUAL SERVICE REQUIRED FOR EACH STRUCTURE OR LOT.
4. METER TO BE INSTALLED BY THE CITY AT CUSTOMER'S EXPENSE.
5. PRESSURE REDUCING VALVE AND BACKFLOW PREVENTER SHALL BE INSTALLED AND MAINTAINED AT CUSTOMERS EXPENSE, INCLUDING PRE-START UP AND ANNUAL THIRD PARTY BACKFLOW PREVENTER TESTING BY A PROPERLY CERTIFIED TESTER.
6. EASEMENT PROVIDED TO CITY AROUND METERS LOCATED OUTSIDE RIGHT OF WAY.
7. PEA GRAVEL SHALL BE DEEP ENOUGH TO PROVIDE POSITIVE DRAINAGE OUT OF THE BOX.
8. METER BOXES SHALL BE INSTALLED IN A NON-VEHICULAR TRAFFIC AREA. IF METER BOXES MUST BE INSTALLED IN A VEHICULAR TRAFFIC AREA, H20 RATED LIDS MUST BE PROVIDED AS A MINIMUM.

SEE FIGURE 5-03A FOR PLAN AND SECTION

CITY OF SEQUIM | **5/8", 3/4", AND 1" WATER SERVICES** | REVISION NO. 0 | DATE 07/11/2022 | FIGURE 5-03B

NO.	REVISIONS	BY	DATE

GENERAL NOTES:

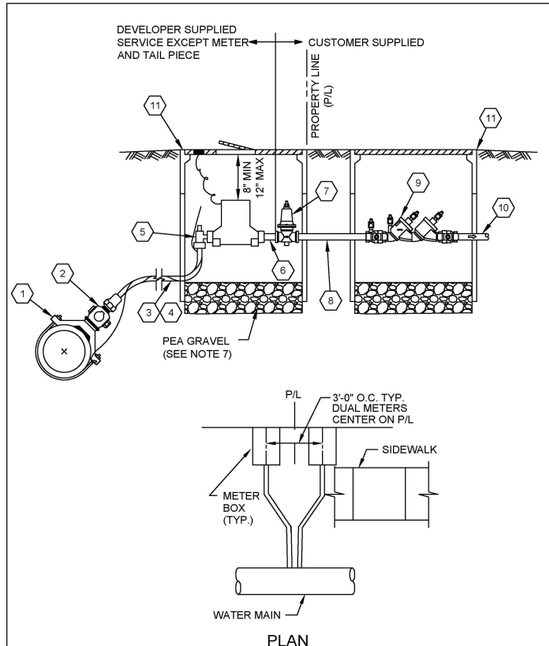
1. ALL TESTING MUST BE COMPLETED AND APPROVED BEFORE ANY CONNECTION TO THE WATER MAIN OCCURS, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. THE ONLY EXCEPTION TO THE PREVIOUS STATEMENT IS WHEN THE DISTANCE FROM THE EXISTING PIPE TO THE NEW VALVE IS 20 FEET OR LESS.
2. ALL TESTS SHALL BE COMPLETED WITH A CITY REPRESENTATIVE ONSITE.
3. ALL EQUIPMENT NEEDED IN ORDER TO COMPLETE THE TESTS SHALL BE FURNISHED AND OPERATED BY THE CONTRACTOR.
4. PRESSURE TESTING SHALL BE LIMITED TO 1000-1500 FEET OF CONTINUOUS PIPE OR BETWEEN VALVES WHICHEVER IS A SHORTER DISTANCE. THE FIRST 1000 FEET OF PIPE MUST BE SUCCESSFULLY TESTED BEFORE ANY ADDITIONAL PIPE MAY BE PLACED.
5. ALL GAUGES AND METERS SHALL BE APPROVED BY THE CITY REPRESENTATIVE.
6. ALL MATERIALS SHALL BE INSTALLED PER MANUFACTURES SPECIFICATIONS OR PER CITY ENGINEER APPROVAL.

DISINFECTION: CHLORINE SHALL BE APPLIED IN ONE OF THE FOLLOWING MANNERS, LISTED IN ORDER OF PREFERENCE, TO SECURE A CONCENTRATION IN THE PIPE OF AT LEAST 50 MG/L.

1. INJECTION OF CHLORINE-WATER MIXTURE FROM CHLORINATING APPARATUS THROUGH CORPORATION COCK AT BEGINNING OF SECTION AFTER PIPE HAS BEEN FILLED, AND WITH WATER EXHAUSTING AT END OF SECTION AT A RATE CONTROLLED TO PRODUCE THE DESIRED CHLORINE CONCENTRATION;
2. INJECTION SIMILARLY OF A HYPOCHLORITE SOLUTION;
3. PLACEMENT OF DRY CALCIUM HYPOCHLORITE THROUGHOUT PIPELINE, AS CONSTRUCTED, IN PROPER QUANTITIES TO PRODUCE THE DESIRED DOSAGE. FILLING OF PIPELINE WITH THIS METHOD SHOULD BE AT A VERY SLOW RATE. PIPELINE SHOULD BE FILLED WITHIN 2 DAYS OF PLACING STERILIZING AGENT
4. AFTER THE DESIRED CHLORINE CONCENTRATION HAS BEEN OBTAINED THROUGHOUT THE SECTION OF LINE, THE WATER IN THE LINE SHALL BE FILLED BY THE CITY AT THE REQUEST OF THE DEVELOPER AND LEFT STANDING FOR A PERIOD OF NO LESS THAN 24 HOURS.

SEE FIGURE 5-01B FOR MORE TESTING INFORMATION

CITY OF SEQUIM | **TESTING INFORMATION** | REVISION NO. 0 | DATE 07/11/2022 | FIGURE 5-01A



SEE FIGURE 5-03B FOR CALLOUTS AND NOTES

CITY OF SEQUIM | **5/8", 3/4", AND 1" WATER SERVICES** | REVISION NO. 0 | DATE 07/11/2022 | FIGURE 5-03A

PIPE CONNECTION SIZE	METER BOX
1" AND BELOW	CARSON BCF HEAVYWALL 1324, "OR EQUAL"
2"	CARSON BCF HEAVYWALL 1324, "OR EQUAL"
3" AND ABOVE	CONSULT CITY FOR PROJECT SPECIFIC SPECIFICATIONS

NOTES:

- SEE GENERAL NOTES FOR METER PLACEMENT
- ALL METER BOXES SPECIFIED ARE DESIGNED FOR NON-VEHICULAR TRAFFIC
- BOX LID WILL BE FLUSH SOLID COVER
- LID MATERIAL WILL BE SPECIFIED BY THE CITY BASED UPON PROJECT REQUIREMENTS
- "OR EQUAL" SUBJECT TO CITY APPROVAL

CITY OF SEQUIM | **METER BOXES** | REVISION NO. 0 | DATE 07/11/2022 | FIGURE 5-05

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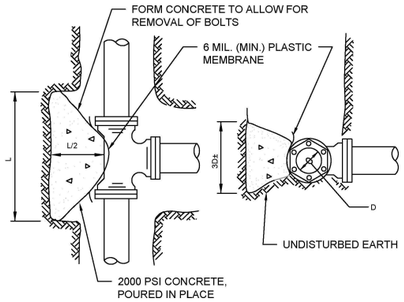
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CITY OF SEQUIM
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WEST SEQUIM BAY ROAD CORRIDOR PROJECT
WATER DETAILS 1

DATE	SCALE	JOB NUMBER
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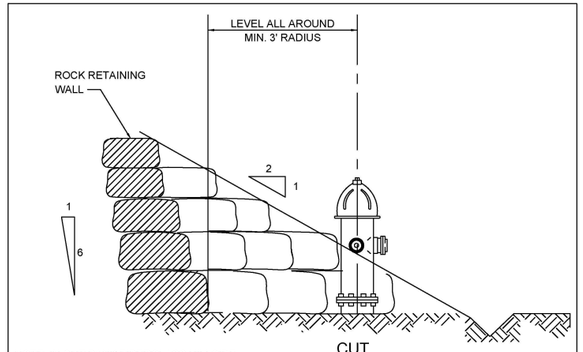
PLAN ELEVATION

MINIMUM BEARING AREA TABLE					
FITTING D	TEE	90°	45°	22 1/2°	11 1/4°
6"	4 SQ. FT.	6 SQ. FT.	3 SQ. FT.	2 SQ. FT.	2 SQ. FT.
8"	7 SQ. FT.	10 SQ. FT.	6 SQ. FT.	3 SQ. FT.	2 SQ. FT.
10"	10 SQ. FT.	15 SQ. FT.	9 SQ. FT.	5 SQ. FT.	3 SQ. FT.
12"	14 SQ. FT.	22 SQ. FT.	12 SQ. FT.	6 SQ. FT.	4 SQ. FT.
16"	25 SQ. FT.	38 SQ. FT.	21 SQ. FT.	11 SQ. FT.	7 SQ. FT.
18"	32 SQ. FT.	48 SQ. FT.	27 SQ. FT.	14 SQ. FT.	8 SQ. FT.

GENERAL NOTES:

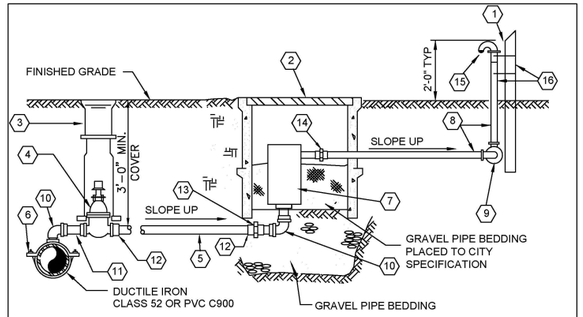
1. BEARING AREA TABLE BASED ON 250 PSI PRESSURE AND 2000 PSF SOIL BEARING. IF PRESSURE IS GREATER OR SOIL BEARING IS LESS, THE THRUST BLOCK SIZE SHALL INCREASE.
2. THIS TABLE REPRESENTS THE "MINIMUM" CONSTRUCTION STANDARDS. THE DEVELOPER'S ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING THE APPROPRIATE SIZE OF ALL THRUST BLOCKS BASED ON EXISTING AND LOCAL CONDITIONS.
3. IN LIEU OF VERTICAL ANCHOR BLOCKS, PIPE BEND JOINTS AND STRAIGHT PIPE JOINTS ON BOTH VERTICAL BENDS SHALL BE RESTRAINED FOR LENGTHS AS NECESSARY TO RESIST PIPE JOINT SEPARATION BY A SAFETY FACTOR OF 2:1, USING "MEGALUGS", FIELD LOCK GASKETS (FOR DUCTILE IRON PIPE), BELL-AND-SPIGOT JOINT RESTRAINTS (SUCH AS ROMAC 611 SYSTEMS FOR PVC C900 PIPE), OR OTHER RESTRAINT SYSTEMS ACCEPTABLE TO THE CITY.
4. THE CITY WILL USE "EBAA IRON'S RESTRAINT LENGTH CALCULATOR" AT EBAA.COM/CALCULATOR/ FOR VERIFYING ADEQUACY OF RESTRAINED JOINT LENGTHS.

CITY OF SEQUIM | **THRUST BLOCKS** | REVISION NO. 0 | DATE 07/11/2022 | FIGURE 5-07



NOTE: IN CUT BANK FIBERGLASS HILLSIDE BARRIERS CAN BE CONSIDERED. PROGLASS, INC. OR APPROVED EQUAL.

CITY OF SEQUIM | **FIRE HYDRANT LOCATED IN CUT OR FILL** | REVISION NO. 0 | DATE 07/11/2022 | FIGURE 5-09



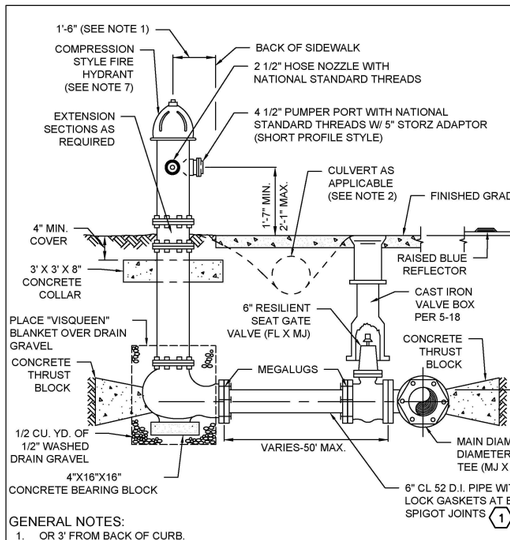
1. CONC. VALVE MARKER POST
2. METER BOX PER 5-05
3. CAST IRON VALVE BOX PER 5-18
4. 2" RESILIENT WEDGE GATE VALVE AWWA C509, "MUELLER" OR EQUAL
5. 2" IPS POLY WATER SERVICE TUBING, SIDR 7 "ADS" OR EQUAL
6. SERVICE SADDLE, MAIN DIAMETER AS REQUIRED WITH DOUBLE STAINLESS STEEL STRAPS, 2" FEMALE PIPE THREAD TAP, "ROMAC 202NS" OR EQUAL
7. AIR RELEASE-AIR VACUUM VALVE, 2" MALE INLET X 1-1/2" FEMALE OUTLET, "A.R.I. D-040" OR EQUAL
8. 1-1/2" SCHEDULE 40 GALVANIZED STEEL THREADED PIPE AND FITTINGS
9. 1-1/2" GALVANIZED STEEL DOUBLE 90 DEGREE ELBOW & NIPPLE SWING JOINT
10. 2" BRASS 90 DEGREE ELBOW, FEMALE THREAD BOTH ENDS WITH 2" X 3" LONG LONG BRASS MALE PIPE THREAD NIPPLE
11. 2" DIAMETER X 6" LONG BRASS MALE THREADED PIPE NIPPLE
12. 2" STRAIGHT COUPLING MALE THREADED "MUELLER" OR EQUAL, WITH STAINLESS STEEL TUBING INSERT STIFFENER
13. 2" BRASS PIPING UNION, FEMALE THREAD BOTH ENDS
14. 1-1/2" GALVANIZED STEEL PIPING UNION, FEMALE PIPE THREADS ENDS
15. 1-1/2" OPEN PATTERN RETURN BEND WITH 1-1/2" BEEHIVE STRAINER, GALVANIZED STEEL
16. PAINT EXPOSED PORTION OF VENT PIPE AND MARKER POST WITH TWO COATS OF SAFETY YELLOW. SECURE VENT TO POST WITH STAINLESS STEEL BANDS

GENERAL NOTES:

1. TAP WATER MAIN AT HIGH POINT AT LOCATION TO BE DETERMINED BY THE CITY.
2. AIR VALVE ASSEMBLY METER AND ABOVE-GRADE PIPING SHALL BE INSTALLED IN A NON-VEHICULAR AREA SATISFACTORY TO THE CITY. IF THE METER MUST BE INSTALLED IN A VEHICULAR TRAFFIC AREA, A H20 RATED LID MUST BE PROVIDED AT MINIMUM.

CITY OF SEQUIM | **2" AIR AND VACUUM RELEASE ASSEMBLY** | REVISION NO. 0 | DATE 07/11/2022 | FIGURE 5-15

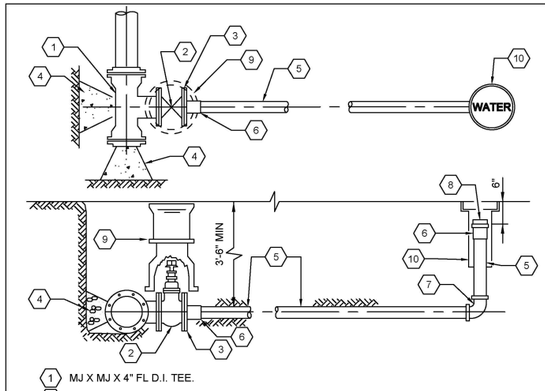
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GENERAL NOTES:

1. OR 3' FROM BACK OF CURB.
2. PROVIDE 8' MINIMUM OF CULVERT AND COVER, 12" MIN. DIA. OR EQUAL IN SIZE TO ADJACENT DITCH CROSSINGS. PIPE TO COUNTY, STATE OR CITY STANDARDS AS APPLICABLE.
3. PROVIDE MIN. 3'-0" CLEARANCE AND LEVEL AREA AROUND HYDRANT.
4. PAINT FIRE HYDRANT WITH TWO COATS SAFETY YELLOW.
5. STENCIL FOOTAGE TO VALVE ON HYDRANT UNDER PORT FACING GV.
6. REMOVE ALL CHAINS FOR FIRE HYDRANT CAPS.
7. ACCEPTABLE HYDRANTS: CLOW MEDALLION AND MUELLER CENTURION OR EAST JORDAN WATER MASTER 5CD250.
8. INSTALL BLUE FIRE HYDRANT REFLECTOR OFFSET 1 FOOT FROM ROAD CENTERLINE.
9. ALL FLANGES TORQUE TESTED TO MANUFACTURE RECOMMENDATIONS.
10. NO SERVICE CONNECTIONS SHALL BE MADE TO THE FIRE HYDRANT LINE UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.

CITY OF SEQUIM | **FIRE HYDRANT ASSEMBLY** | REVISION NO. 0 | DATE 07/11/2022 | FIGURE 5-08

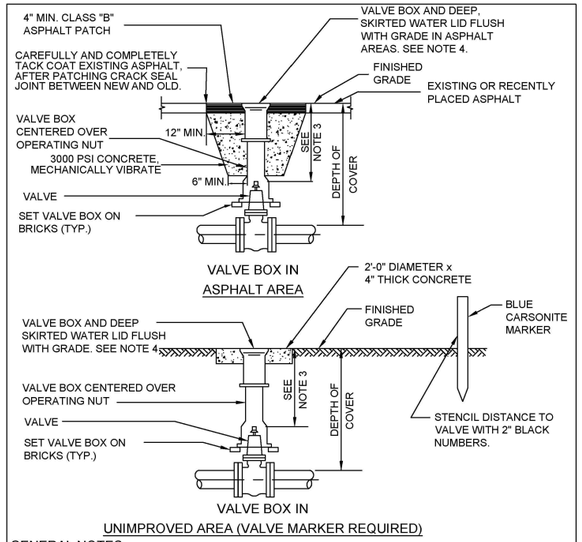


1. MJ X MJ X 4" FL D.I. TEE.
2. 4" AWWA RESILIENT SEAT GATE VALVE, FL X FL, WITH OPERATING NUT.
3. 4" DUCTILE IRON BLIND FLANGE WITH 2" DIAMETER FEMALE PIPE THREAD CONCENTRIC TAP.
4. CONCRETE THRUST BLOCK.
5. 2" IPS POLY WATER SERVICE TUBING, SIDR 7, "ADS" OR CITY OF SEQUIM ACCEPTED EQUAL.
6. 2" BRASS STRAIGHT COUPLING, MALE PIPE THREAD X IPS PACK JOINT, WITH 2 EACH STAINLESS STEEL TUBING INSERT STIFFNERS FOR 2" IPS SIDR 7 POLY TUBING, "MUELLER" OR CITY OF SEQUIM ACCEPTED EQUAL.
7. 2" BRASS QUARTER BEND COUPLING, IPS PACK JOINT X IPS PACK JOINT, WITH 2 EACH STAINLESS STEEL TUBING INSERT STIFFNERS FOR 2" IPS SIDR 7 POLY TUBING, "MUELLER" OR CITY OF SEQUIM ACCEPTED EQUAL.
8. 2" PVC FEMALE THREADED PIPE CAP, CAP INSTALLED HAND TIGHT.
9. CAST IRON VALVE BOX PER FIGURE 5-18.
10. CAST IRON VALVE BOX TOP SECTION WITH "WATER" COVER, "OLYMPIC FOUDARY" OR CITY OF SEQUIM ACCEPTED EQUAL.

GENERAL NOTES:

1. FOR WATER LINES LARGER THAN 8" DIAMETER, FIRE HYDRANT ASSEMBLIES SHALL BE INSTALLED AND USED AS BLOW-OFFS.

CITY OF SEQUIM | **6" AND 8" WATER LINE BLOW OFF ASSEMBLY** | REVISION NO. 0 | DATE 07/11/2022 | FIGURE 5-13



GENERAL NOTES:

1. EACH VALVE SHALL BE PROVIDED WITH AN ADJUSTABLE CAST IRON VALVE BOX OF 5 INCHES (5") INSIDE DIAMETER. VALVE BOXES SHALL HAVE A TOP SECTION WITH AN EIGHTEEN INCH (18") MIN. LENGTH AND A BOTTOM SECTION WITH A 24" LENGTH. THE VALVE BOX SHALL BE OLYMPIC FOUNDARY No. 940 OR APPROVED EQUAL.
2. IF VALVE BOX TOP AND BOTTOM SECTIONS ARE NOT SUFFICIENTLY LONG, ALLOWING FOR A 6" MINIMUM VERTICAL OVERLAP OF THE 2 SECTIONS, THEN THE VALVE BOX SHALL BE EXTENDED AS REQUIRED WITH A SECTION OF 6" DIAMETER HUB X PLAIN END CAST IRON SOIL PIPE CUT TO THE REQUIRED LENGTH AND INSTALLED HUB DOWN BETWEEN THE VALVE BOX AND BOTTOM SECTION.
3. VALVE STEM ENTENSION REQUIRED IF TOP OF VALVE BOX TO VALUE OPERATING NUT EXCEEDS 48".
4. VALVE BOX LID EARS SHALL BE PLACED IN LINE WITH THE PIPES SERVED.

CITY OF SEQUIM | **VALVE BOX** | REVISION NO. 0 | DATE 07/11/2022 | FIGURE 5-18

KEYED NOTES

(1) = INSTALL POLYETHYLENE ENCASEMENT PER WSDOT 7-09.3(17) AND 9-30.1(2)

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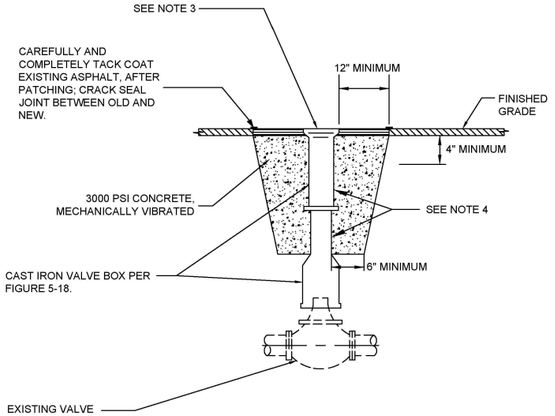
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CITY OF SEQUIM
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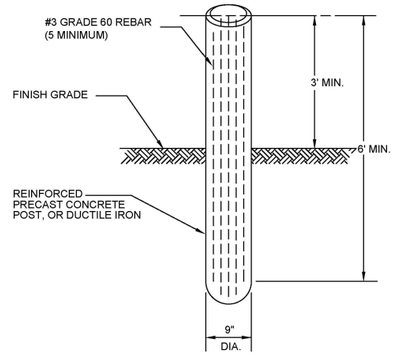
GENERAL NOTES:

1. ALL EXISTING CONCRETE VALVE BOXES SHALL BE REPLACED WITH CAST IRON BOXES AND ADJUSTED WITH SOIL PIPE TO GRADE AS NEEDED.
2. ALIGNMENT OF THE VALVE BOX SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND CARE SHALL BE TAKEN TO ENSURE THAT THE VALVE IS OPERABLE.
3. VALVE BOX LID EARS SHALL BE PLACED IN LINE WITH THE PIPE SERVED.
4. IF THE VALVE BOX TOP AND BOTOM SECTIONS ARE NOT SUFFICIENTLY LONG, ALLOWING FOR A 6" MINIMUM VERTICAL OVERALP OF THE TWO SECTIONS, THEN THE VALVE BOX SHALL BE EXTENDED. A SECTION OF 6" DIAMETER HUB X PLAIN END CAST IRON SOIL PIPE CUT TO THE REQUIRED LENGTH AND INSTALLED HUB DOWN BETWEEN THE VALVE BOX SECTIONS.

CITY OF SEQUIM | **VALVE BOX ADJUSTMENT**

REVISION NO.	DATE
0	07/11/2022

FIGURE 5-19



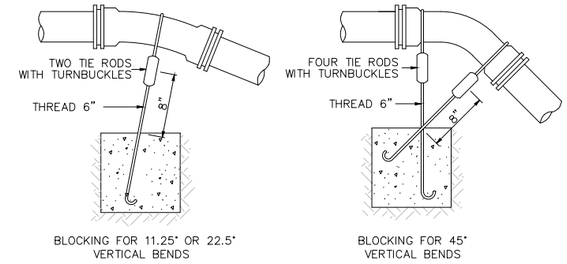
GENERAL NOTES:

1. THE NUMBER AND CONFIGURATION OF THE GUARD POSTS SHALL BE DETERMINED BY THE CITY BASED ON FIELD CONDITIONS.
2. PAINT GUARD POSTS WITH TWO (2) COATS OF SAFETY YELLOW.
3. BACKFILL GUARD POSTS WITH GRAVEL BORROW, PLACED IN 6" LOOSE LIFTS, AND COMPACTED ALL AROUND TO 95% MINIMUM.

CITY OF SEQUIM | **GUARD POST**

REVISION NO.	DATE
0	07/11/2022

FIGURE 5-21



BLOCKING FOR 11.25° OR 22.5° VERTICAL BENDS

BLOCKING FOR 45° VERTICAL BENDS

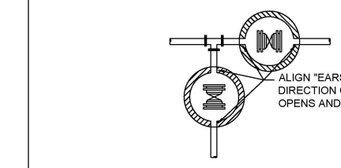
NOTE: TIE RODS SHALL BE STAINLESS STEEL.

DIMENSION TABLE

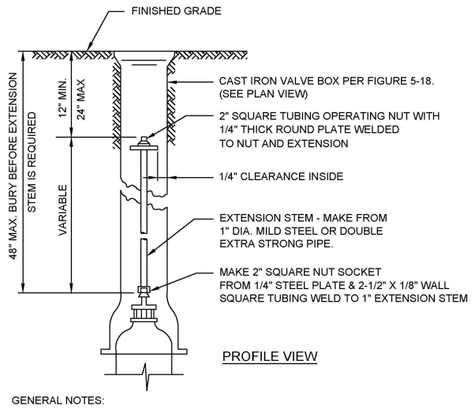
PIPE DIAM.	TEST PRESSURE (PSI)	BEND ANGLE	CONCRETE VOLUME (Cubic-Ft)	CUBE SIZE (Ft)	TIE ROD DIAM.	TIE ROD EMBEDMENT
4"	250	11.25°	6	1.8	5/8"	17"
		22.5°	12	2.3		
		45°	22	2.8		
6"	250	11.25°	14	2.4	5/8"	17"
		22.5°	27	3.0		
		45°	50	3.7		
8"	250	11.25°	25	2.9	5/8"	17"
		22.5°	48	3.6		
		45°	89	4.5		
10"	250	11.25°	38	3.4	5/8"	17"
		22.5°	75	4.2		
		45°	139	5.2		
12"	250	11.25°	55	3.8	5/8"	17"
		22.5°	108	4.8		
		45°	200	5.8	7/8"	24"
14"	250	11.25°	75	4.2	5/8"	17"
		22.5°	147	5.3	3/4"	20"
		45°	272	6.5	1"	27"
16"	250	11.25°	98	4.6	5/8"	17"
		22.5°	192	5.8	7/8"	24"
		45°	355	7.1	1 1/8"	30"

2 CONCRETE THRUST BLOCK FOR CONVEX VERTICAL BENDS

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PLAN VIEW



PROFILE VIEW

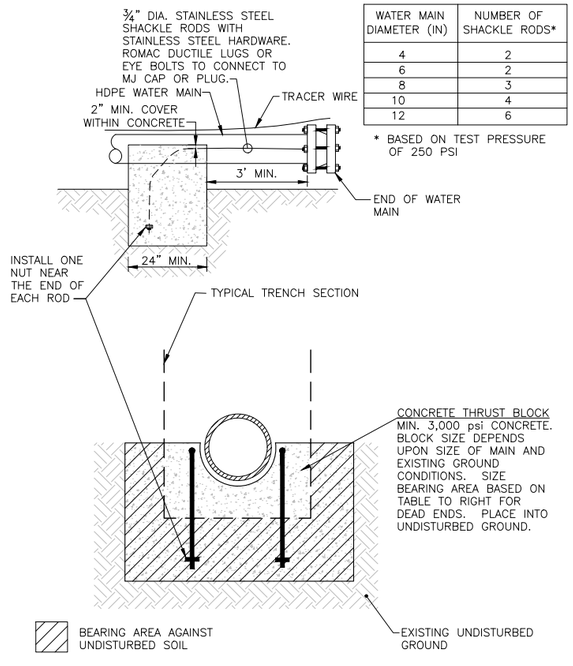
GENERAL NOTES:

1. EXTEND TRACER WIRE ROUTING WITH EXTENSION STEM, AWAY FROM THE OPERATING NUT.

CITY OF SEQUIM | **VALVE EXTENSION STEM**

REVISION NO.	DATE
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FIGURE 5-20



WATER MAIN DIAMETER (IN)	NUMBER OF SHACKLE RODS*
4	2
6	2
8	3
10	4
12	6

* BASED ON TEST PRESSURE OF 250 PSI

Size	Test Pressure PSI	Thrust at Fittings in Pounds A Tee and Dead Ends	B 90° Bend	C 45° Bend	D 22.5° Bend	E 11.25° Bend
4"	250	3,140	4,440	2,405	1,225	615
6"	250	7,070	9,995	5,410	2,760	1,385
8"	250	12,565	17,770	9,620	4,905	2,465
10"	250	19,635	27,770	15,030	7,660	3,850
12"	250	28,275	39,985	21,640	11,030	5,545
14"	250	38,485	54,425	29,455	15,015	7,545
16"	250	50,265	71,085	38,470	19,615	9,855

Soil Type	Safe Bearing Load PSF
Muck, peat, etc.*	0
Soft clay	1,000
Sand	2,000
Sand and gravel	3,000
Sand and gravel cemented with clay	4,000
Hard shale	10,000

*Restrained joints required in all cases.

1 REVERSE THRUST BLOCK

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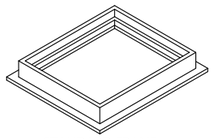
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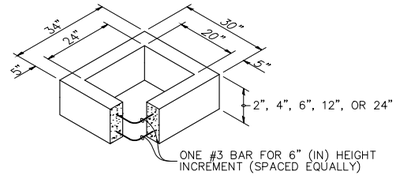
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STANDARD FRAME
WSDOT STANDARD DETAIL B30.10-00



HERRINGBONE GRATE
WSDOT STD PLAN B-30.50-00

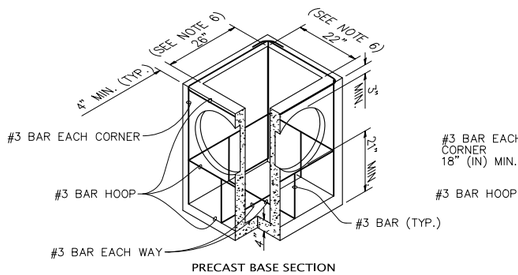


RECTANGULAR ADJUSTMENT SECTION

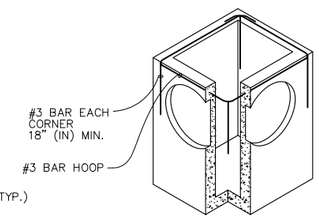
REFER TO WSDOT STANDARD PLAN NUMBER B-5.20-03 FOR ADDITIONAL INFORMATION

PIPE ALLOWANCES	
PIPE MATERIAL	MAXIMUM INSIDE DIAMETER (INCHES)
REINFORCED OR PLAIN CONCRETE	12"
ALL METAL PIPE	15"
CPSSP* (STD. SPEC. SECT. 9-05.20)	12"
SOLID WALL PVC (STD. SPEC. SECT. 9-05.12(1))	15"
PROFILE WALL PVC (STD. SPEC. SECT. 9-05.12(2))	15"

*CORRUGATED POLYETHYLENE STORM SEWER PIPE



PRECAST BASE SECTION



(SEE NOTE 1)
ALTERNATIVE PRECAST BASE SECTION

1 CATCH BASIN TYPE 1
NOT TO SCALE

NOTES:

1) AS ACCEPTABLE ALTERNATIVES TO THE REBAR SHOWN IN THE PRECAST BASE SECTION, FIBERS (PLACED ACCORDING TO THE STANDARD SPECIFICATIONS), OR WIRE MESH HAVING A MINIMUM AREA OF 0.12 SQUARE INCHES PER FOOT SHALL BE USED WITH THE MINIMUM REQUIRED REBAR SHOWN IN THE ALTERNATIVE PRECAST BASE SECTION. WIRE MESH SHALL NOT BE PLACED IN THE KNOCKOUTS.

2) THE KNOCKOUT DIAMETER SHALL NOT BE GREATER THAN 20" (IN). KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" (IN) MINIMUM TO 2.5" (IN) MAXIMUM. PROVIDE A 1.5" (IN) MINIMUM GAP BETWEEN THE KNOCKOUT WALL AND THE OUTSIDE OF THE PIPE. AFTER THE PIPE IS INSTALLED, FILL THE GAP WITH JOINT MORTAR IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 9-04.3.

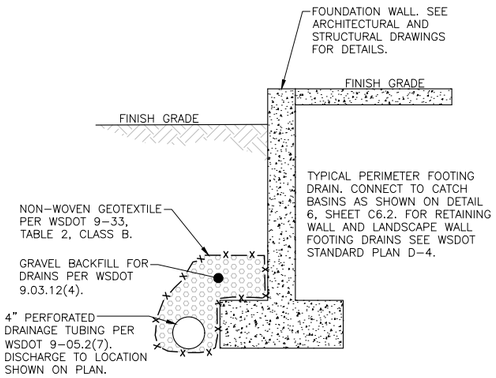
3) THE MAXIMUM DEPTH FROM THE FINISHED GRADE TO THE LOWEST PIPE INVERT SHALL BE 5' (FT).

4) THE FRAME AND GRATE MAY BE INSTALLED WITH THE FLANGE DOWN, OR INTEGRALLY CAST INTO THE ADJUSTMENT SECTION WITH FLANGE UP.

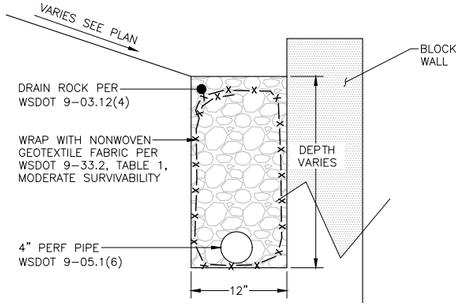
5) THE PRECAST BASE SECTION MAY HAVE A ROUNDED FLOOR, AND THE WALLS MAY BE SLOPED AT A RATE OF 1 : 24 OR STEEPER.

6) THE OPENING SHALL BE MEASURED AT THE TOP OF THE PRECAST BASE SECTION.

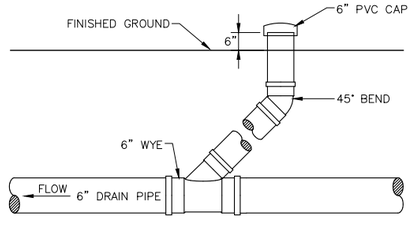
7) ALL PICKUP HOLES SHALL BE GROUTED FULL AFTER THE BASIN HAS BEEN PLACED.



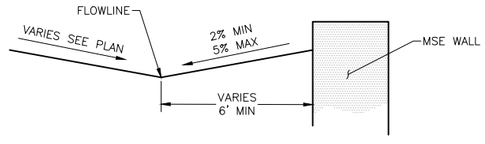
2 BUILDING FOOTING DRAIN
NOT TO SCALE



3 GRAVEL TRENCH DRAIN
NOT TO SCALE



4 DRAIN CLEAN OUT
NOT TO SCALE



5 ASPHALT SWALE
NOT TO SCALE

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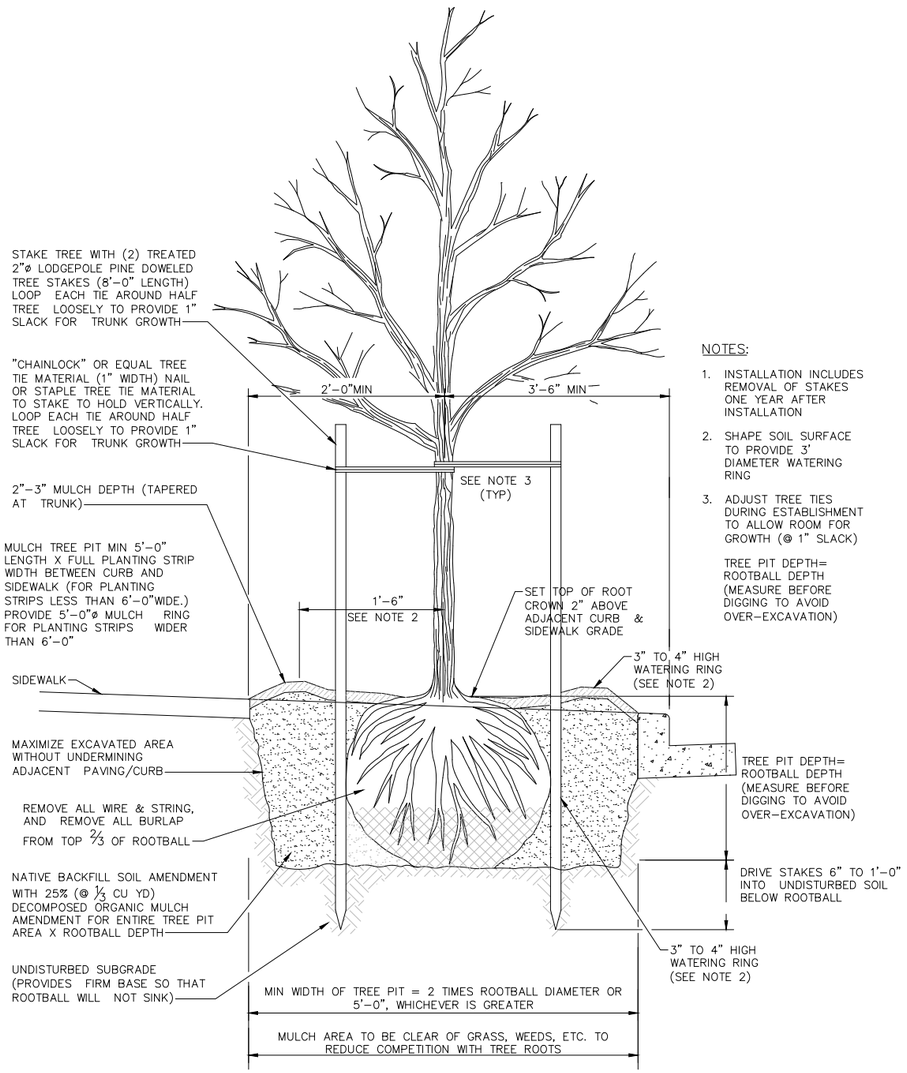
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NOTES:

1. INSTALLATION INCLUDES REMOVAL OF STAKES ONE YEAR AFTER INSTALLATION
2. SHAPE SOIL SURFACE TO PROVIDE 3' DIAMETER WATERING RING
3. ADJUST TREE TIES DURING ESTABLISHMENT TO ALLOW ROOM FOR GROWTH (@ 1" SLACK)

   TREE PIT DEPTH= ROOTBALL DEPTH (MEASURE BEFORE DIGGING TO AVOID OVER–EXCAVATION)

1 DECIDUOUS TREE PLANTING

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DRAINAGE DETAILS 2

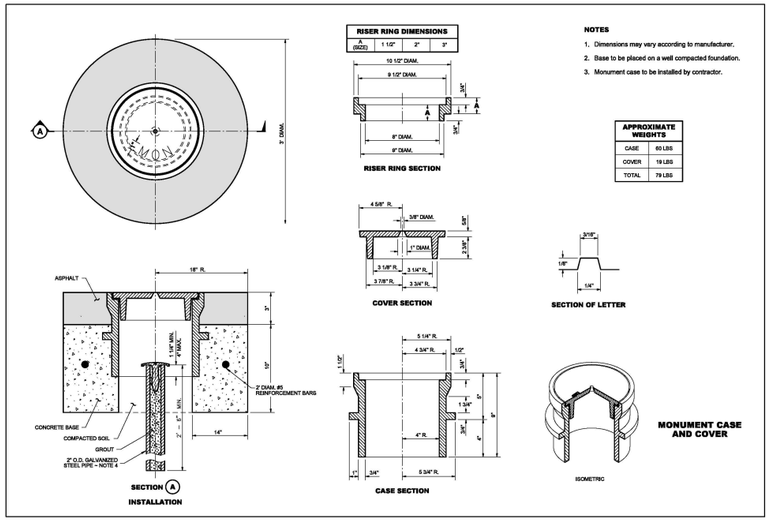
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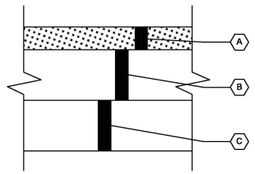


CITY OF SEQUIM

MONUMENT CASE AND COVER

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FIGURE 4-32



LEGEND

(A) HMA FOR PAVEMENT CL 1/2 IN. PG 58H-22
(B) CRUSHED SURFACING BASE COURSE
(C) GRAVEL BALLAST

	(A)	(B)	(C)
NEIGHBORHOOD	0.25' (3")	0.65' (7.8")	1.0' (12")
LOCAL	0.25' (3")	0.65' (7.8")	1.0' (12")
COLLECTOR	0.45' (5.4")	1.0' (12")	1.0' (12")
ARTERIAL	~~0.65' (7.8")~~ *	1.0' (12")	1.0' (12")
ALLEY	0.25' (3")	0.50' (6.0")	0.0' (0")

GENERAL NOTES:

1. GRAVEL BALLAST LAYER C MAY BE OMITTED FOR TYPE 6 CARLSBORG AND TYPE 63 SEQUIM SOILS AS CLASSIFIED BY NATURAL RESOURCE CONSERVATION SERVICE.
2. MINIMUM DEPTHS ALLOWED. THICKER SECTIONS MAY BE REQUIRED AS DETERMINED BY A GEOTECHNICAL REPORT.

*REVISED TO 0.5' (6")

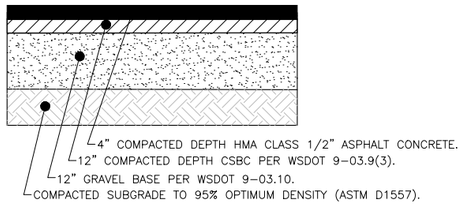
CITY OF SEQUIM

TYPICAL PAVEMENT SECTION

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FIGURE 4-16

*REVISED FOR THIS PROJECT



LIFT STATION 4 SITE
ASPHALT CONCRETE PAVEMENT SECTION

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DATE	SCALE	JOB NUMBER
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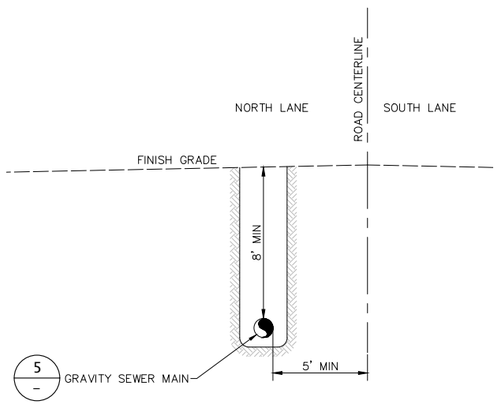
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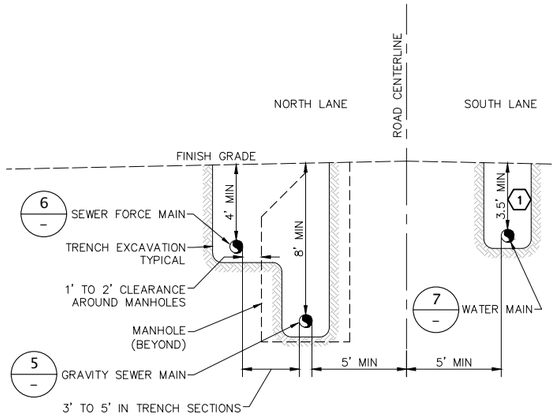
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NO.	REVISIONS	BY	DATE



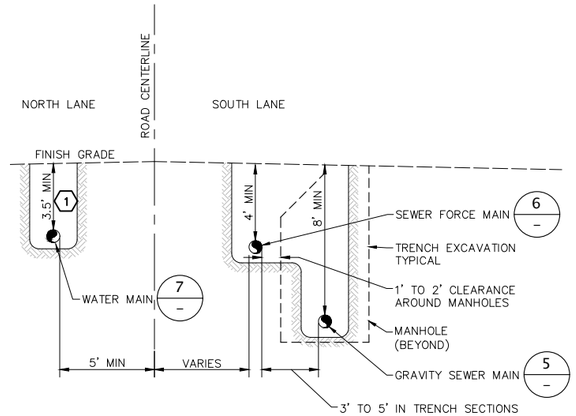
WEST SEQUIM BAY ROAD
FROM STA 38+79 (WASHINGTON HARBOR LOOP)
TO STA 55+20 (INDEPENDENCE DRIVE)

1 UTILITY TRENCH SECTION
NOT TO SCALE



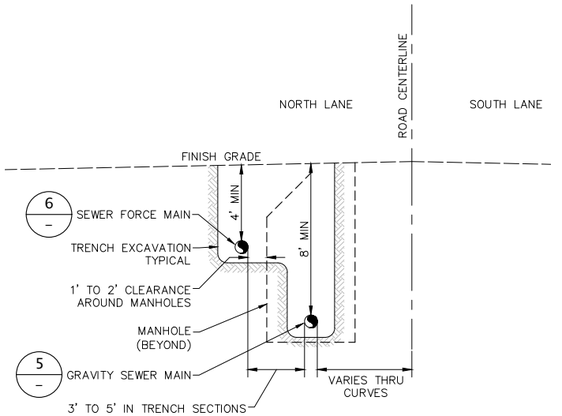
WEST SEQUIM BAY ROAD
FROM STA 55+17 (INDEPENDENCE DRIVE)
TO STA 75+28 (JUNCO ROAD)

2 UTILITY TRENCH SECTION
NOT TO SCALE



WEST SEQUIM BAY ROAD
FROM STA 77+06 (JUNCO ROAD)
TO STA 78+90

3 UTILITY TRENCH SECTION
NOT TO SCALE



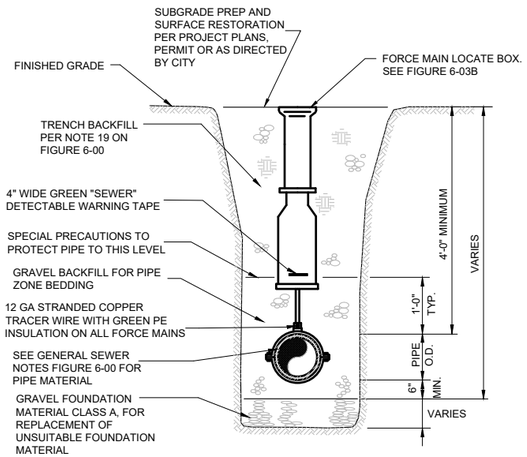
WEST SEQUIM BAY ROAD
FROM STA 79+00
TO STA 103+64 (FORREST ROAD)

4 UTILITY TRENCH SECTION
NOT TO SCALE

NOTES:

1. FOUNDATION MATERIAL, BEDDING, AND BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THIS DETAIL, THE MOST CURRENT WSDOT STANDARD SPECIFICATIONS, AND/OR CITY PROJECT OR PERMIT SPECIFIC REQUIREMENTS, WHICHEVER IS MOST STRINGENT.
2. FOR TRENCH BACKFILL, PLACE IN 6 INCH MAXIMUM LOOSE LIFTS AND COMPACTED TO 95% AND ±3% OF OPTIMUM MOISTURE CONTENT PER ASTM D1557. THICKER LIFTS ALLOWED ONLY WITH ENGINEER'S PRIOR WRITTEN PERMISSION.
3. PIPES SHALL BE RESTRAINED IN FILL OR PREVIOUSLY DISTURBED MATERIAL.
4. CLAY OR BENTONITE DAMS SHALL BE INSTALLED ACROSS THE TRENCH AND TO THE FULL DEPTH OF THE GRANULAR MATERIAL IN ALL AREAS OF STEEP SLOPES, STREAM CROSSINGS AND WETLAND TO PREVENT MIGRATION OF WATER ALONG THE PIPELINE.

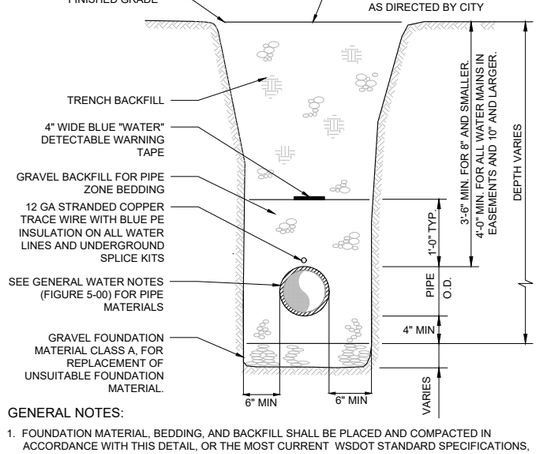
5 SANITARY SEWER TRENCH SECTION
CITY OF SEQUIM
ENGINEERING STANDARDS FIGURE 6-02
NOT TO SCALE



NOTES:

1. FOUNDATION MATERIAL, BEDDING, AND BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THIS DETAIL, THE MOST CURRENT WSDOT STANDARD SPECIFICATIONS AND/OR PROJECT OR PERMIT SPECIFIC REQUIREMENTS, WHICHEVER IS MOST STRINGENT
2. CLAY OR BENTONITE DAMS MUST BE INSTALLED ACROSS THE TRENCH AND TO FULL DEPTH OF THE GRANULAR MATERIAL IN ALL AREAS OF STEEP SLOPES, STREAM CROSSINGS, AND WETLANDS, TO PREVENT MIGRATION OF WATER ALONG FORCE MAIN.

6 SANITARY SEWER TRENCH SECTION (FORCE MAIN)
CITY OF SEQUIM
ENGINEERING STANDARDS FIGURE 6-03A
NOT TO SCALE



GENERAL NOTES:

1. FOUNDATION MATERIAL, BEDDING, AND BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THIS DETAIL, OR THE MOST CURRENT WSDOT STANDARD SPECIFICATIONS, AND/OR PROJECT OR PERMIT SPECIFIC REQUIREMENTS, WHICHEVER IS MOST STRINGENT.
2. FOR TRENCH BACKFILL, PLACE IN 6 INCH MAXIMUM LOOSE LIFTS AND COMPACTED TO 95% AND ±3% OF OPTIMUM MOISTURE CONTENT PER ASTM D1557. THICKER LIFTS ALLOWED ONLY WITH ENGINEER'S PRIOR WRITTEN PERMISSION.
3. DEPTH OF COVER IN EXCESS OF 7-FEET REQUIRES CITY APPROVAL.
4. CLAY OR BENTONITE DAMS SHALL BE INSTALLED ACROSS THE TRENCH AND TO THE FULL DEPTH OF THE GRANULAR MATERIAL IN ALL AREAS OF STEEP SLOPES, STREAM CROSSINGS, AND WETLANDS TO PREVENT MIGRATION OF WATER ALONG THE PIPELINE.
5. TRENCH SECTIONS FOR WATER MAINS, FIRE HYDRANTS, BLOW OFFS, AIR VALVES, WATER SERVICES, AND OTHER WATER LINE APPURTENANCES SHALL BE SIMILAR TO THIS WATER LINE TRENCH SECTION.

7 WATER LINE TRENCH
CITY OF SEQUIM
ENGINEERING STANDARDS FIGURE 5-02
NOT TO SCALE

KEYED NOTES
(1) = DEPTH PER 7

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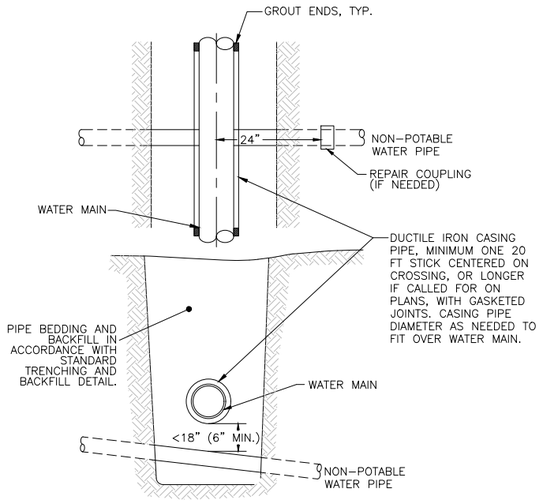
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CITY OF SEQUIM
WEST SEQUIM BAY ROAD CORRIDOR PROJECT
SEQUIM WASHINGTON
ROAD DETAILS 2

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

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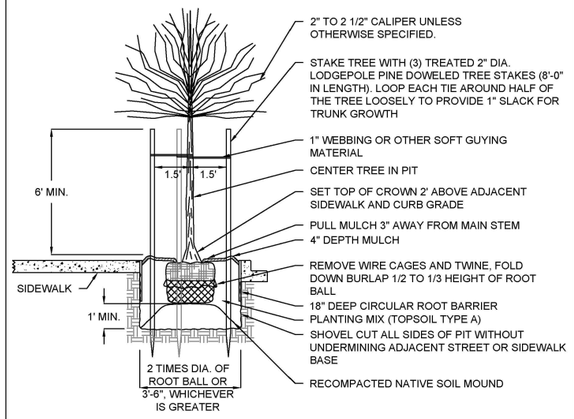
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NOTES:
IF AT LEAST 6" OF SEPARATION BETWEEN PIPES CANNOT BE ACHEIVED, NOTIFY ENGINEER. WITH ENGINEER'S WRITTEN APPROVAL, LESS THAN 6" SEPARATION MAY BE ACCEPTABLE IF A POLYSTYRENE FOAM IS INSTALLED BETWEEN THE PIPES, FOAM–CONTROL EPS GEOFOAM EPS 29 OR APPROVED EQUAL PER ASTM D6817.

1 NON–STANDARD CROSSING DETAIL: POTABLE ABOVE NON–POTABLE

NOT TO SCALE



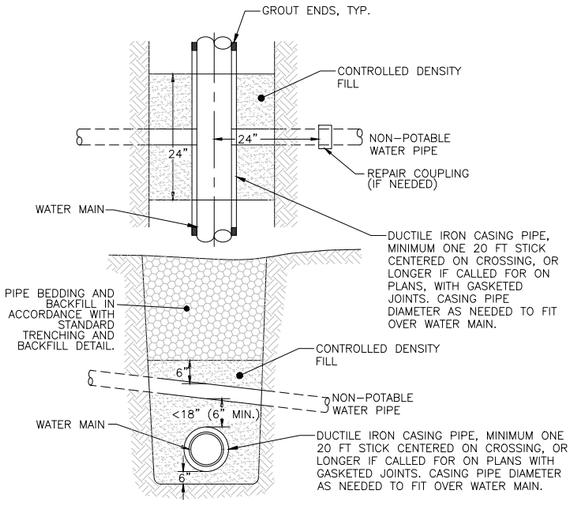
GENERAL NOTES:

1. SET TREE 2' MIN. FROM FRONT FACE OF TRAFFIC CURB WHEN PLANTING IN PLANTER STRIP LOCATED BETWEEN STREET AND SIDEWALK.
2. SHAPE SOIL SURFACE TO PROVIDE 4" DIAM. WATERING RING.
3. ADJUST TREE TIES DURING ESTABLISHMENT TO ALLOW ROOM FOR GROWTH. (1" SLACK)
4. REMOVE TREE TIE ONE YEAR AFTER INSTALLATION.

CITY OF SEQUIM | **TREE PLANTING DETAIL**

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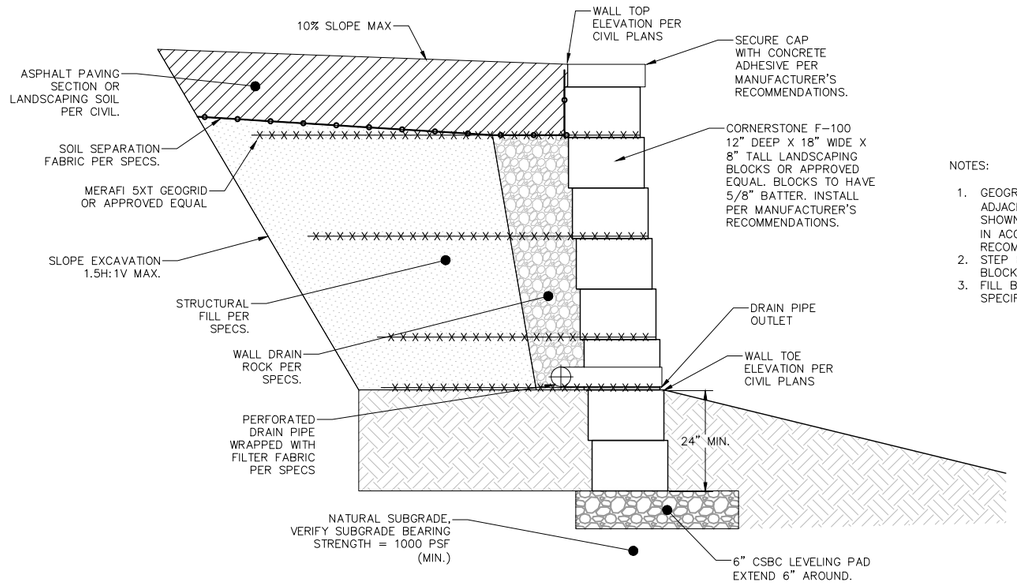
FIGURE 4-29



NOTES:
1. IF AT LEAST 6" OF SEPARATION BETWEEN PIPES CANNOT BE ACHIEVED, NOTIFY ENGINEER. WITH ENGINEER'S WRITTEN APPROVAL, LESS THAN 6" SEPARATION MAY BE ACCEPTABLE IF A POLYSTYRENE FOAM IS INSTALLED BETWEEN THE PIPES, FOAM–CONTROL EPS GEOFOAM EPS 29 OR APPROVED EQUAL PER ASTM D6817.
2. MINIMUM REQUIRED DISTANCE FROM CENTER OF WATER MAIN TO SEWER JOINT IS 2'
3. CONTROLLED DENSITY FILL SHALL SURROUND BOTH PIPES WITH MINIMUM 6" THICK.

2 NON–STANDARD CROSSING DETAIL: POTABLE BELOW NON–POTABLE

NOT TO SCALE



NOTES:
1. GEOGRID: APPLY IN MIN. 5' WIDTHS, LAP ADJACENT PANELS MIN. 4". INSTALL LENGTH = AS SHOWN. STAGGER ADJACENT PANELS AT CORNERS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. STEP BOTTOM COURSE AND TOP COURSE OF BLOCKS AS NEEDED TO MEET GRADES.
3. FILL BLOCKS WITH UNIT INFILL AGGREGATE PER SPECIFICATIONS.

3 RETAINING WALL DETAIL

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SEQUIM WASHINGTON
GENERAL UTILITY DETAILS

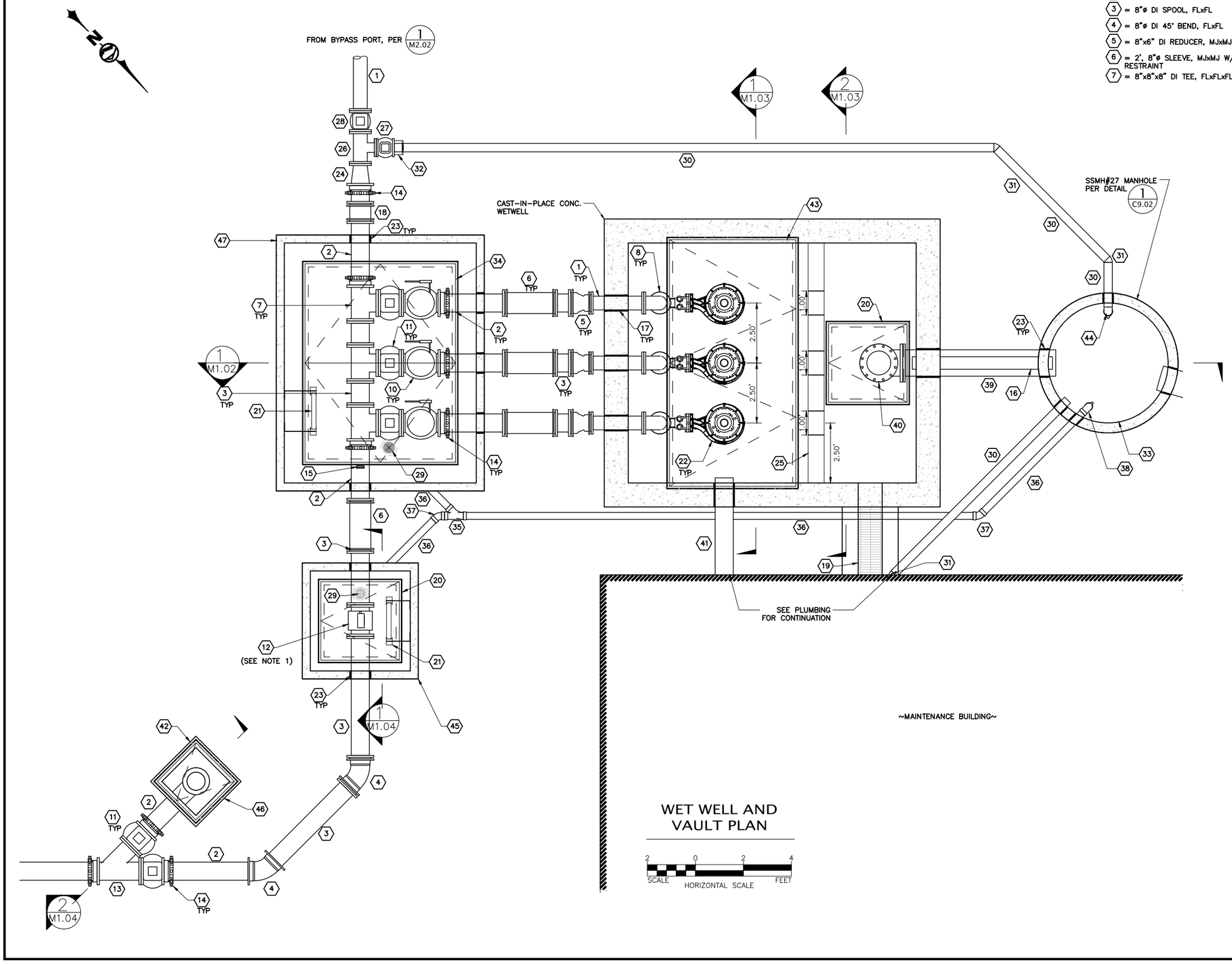
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NOTES:

1. SEE ELECTRICAL PLANS/SPECS. FOR ELECTROMAGNETIC FLOW METER DETAILS.



WET WELL AND VAULT PLAN

SCALE 2 0 2 4 FEET
HORIZONTAL SCALE

KEYED NOTES

1. = 6"ø DI SPOOL, FLxFL
2. = 8"ø DI SPOOL, FLxPE
3. = 8"ø DI SPOOL, FLxFL
4. = 8"ø DI 45° BEND, FLxFL
5. = 8"x6" DI REDUCER, MJxMJ
6. = 2', 8"ø SLEEVE, MJxMJ W/ MJ RESTRAINT
7. = 8"x8"x8" DI TEE, FLxFLxFL

KEYED NOTES CONTINUED

8. = 6"ø DI 90° BEND, FLxFL
9. = 6"x4" DI REDUCER, FLxFL
10. = 8"ø DI SWING CHECK VALVE, FLxFL
11. = 8"ø DI PLUG VALVE, FLxFL
12. = 8"ø ELECTROMAGNETIC FLOW METER
13. = 8"ø DI WYE, FLxFLxFL
14. = 8"ø RESTRAINED FLANGED COUPLING ADAPTER
15. = PRESSURE GAUGE, ISOLATER, AND SHUT-OFF VALVE
16. = 6"ø PVC PIPE
17. = LINK-SEAL PENETRATION FOR CAST-IN-PLACE CONC. WALLS, PER M2.01
18. = 8"ø SHORT SLEEVE, MJxMJ W/ MJ RESTRAINT
19. = ELECTRICAL TRENCH. SEE STRUCTURAL.
20. = LW PRODUCTS HHS-3A H-30 LOAD RATED ALUMINUM ACCESS HATCH OR EQUAL
21. = ACCESS LADDER W/ BILCO LADDER-UP, PER 6 M2.01 2
22. = SUBMERSIBLE PUMP & DISCHARGE ELBOW PER SPECS.
23. = INSTALL LINK-SEAL BOOTS OR APPROVED EQUAL ON ALL PIPE TO PRECAST CONCRETE CONNECTIONS, TYP. INSTALL PER MFR REQUIREMENTS. SEAL ALL VOIDS.
24. = 8"x6" DI REDUCER, FLxFL
25. = 8" THICK CONC. BAFFLE WALL
26. = 6"x6"x4" DI TEE, FLxFLxFL
27. = 4"ø DI PLUG VALVE, FLxFL
28. = 6"ø DI PLUG VALVE, FLxFL
29. = 3" FLOOR DRAIN, PER 5 M2.01
30. = 4"ø PVC PIPE
31. = 4"ø PVC 45 DEG. ELBOW
32. = TRANSITION FITTINGS FROM FL TO PVC DRAIN PIPE
33. = MANHOLE COVER PER DETAILS
34. = LW PRODUCTS HHD-5C H-30 LOAD RATED ALUMINUM ACCESS HATCH OR EQUAL
35. = 3"ø PVC WYE
36. = 3"ø PVC PIPE
37. = 3"ø PVC 45 DEG. ELBOW
38. = 3"ø DUCKBILL VALVE
39. = 12"ø DI SPOOL, FLxPE
40. = 12"ø DI TEE, FLxFLxFL
41. = 8"ø PVC PIPE
42. = LW PRODUCTS HHS-1A H-30 LOAD RATED ALUMINUM ACCESS HATCH OR EQUAL
43. = LW PRODUCTS HHDSBS-4F H-30 LOAD RATED ALUMINUM ACCESS HATCH OR EQUAL
44. = 4"ø DUCKBILL VALVE
45. = 4'L x 4'W x 6'H (MIN. INSIDE DIMENSIONS) PRECAST CONCRETE VAULT. OLDCASTLE PRECAST 507-LA OR APPROVED EQUAL
46. = 2'L x 2'W x 2'H (MIN. INSIDE DIMENSIONS) PRECAST CONCRETE VAULT. OLDCASTLE PRECAST 3030-LA WITH OPEN BOTTOM OR APPROVED EQUAL
47. = 10'L x 8'W x 7'H (MIN. INSIDE DIMENSIONS) PRECAST CONCRETE VAULT. OLDCASTLE PRECAST 810-LA OR APPROVED EQUAL

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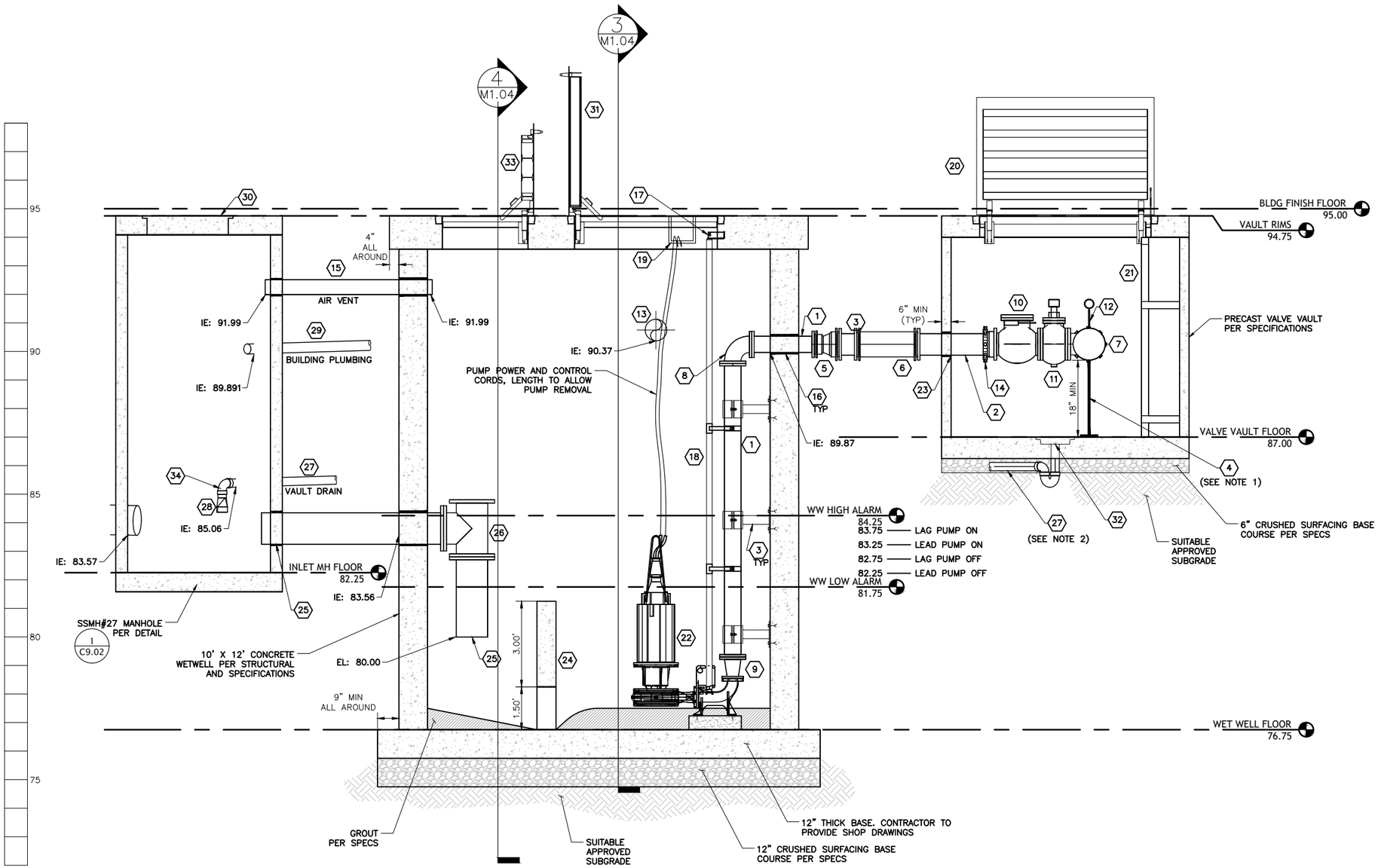
WEST SEQUIM BAY ROAD CORRIDOR PROJECT
SEWAGE PUMP STATION
MECHANICAL PLAN
SEQUIM WASHINGTON

DATE	SCALE	JOB NUMBER
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NOTES:
1. CONFIRM PIPE SUPPORT LOCATIONS WITH ENGINEER.
2. 3-IN. PVC VAULT DRAINS SHALL DRAIN TO INLET MANHOLE.



SEWAGE PUMP STATION WETWELL AND VAULTS SECTION

1

SCALE 2 0 2 4 FEET — HORIZONTAL SCALE

SCALE 2 0 2 4 FEET — VERTICAL SCALE

NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = 6"ø DI SPOOL, FLxFL
2. = 8"ø DI SPOOL, FLxPE
3. = WALL BRACE PIPE SUPPORT, PER 3/M2.01
4. = HORIZONTAL PIPE SUPPORT, PER 1/M2.01
5. = 8"x6" DI REDUCER, MJxMJ
6. = 2', 8"ø SLEEVE, MJxMJ W/ MJ RESTRAINT
7. = 8"x8"x8" DI TEE, FLxFLxFL
8. = 6"ø DI 90° BEND, FLxFL
9. = 6"x4" DI REDUCER, FLxFL
10. = 8"ø DI SWING CHECK VALVE, FLxFL
11. = 8"ø DI PLUG VALVE, FLxFL
12. = PRESSURE GAUGE, ISOLATER, AND SHUT-OFF VALVE
13. = 8"ø PVC PIPE
14. = 8"ø RESTRAINED FLANGED COUPLING ADAPTER
15. = 6"ø PVC PIPE
16. = LINK-SEAL PENETRATION FOR CAST-IN-PLACE CONC. WALLS, PER 2/M2.01
17. = STAINLESS STEEL UPPER GUIDE BRACKET
18. = STAINLESS STEEL GUIDE RAIL
19. = CABLE HANGER, WITH SIX SS HOOKS. LOCATE PER OWNER
20. = LW PRODUCTS HHD-5C H-30 LOAD RATED ALUMINUM ACCESS HATCH OR EQUAL
21. = ACCESS LADDER W/ BILCO LADDER-UP, PER 6/M2.01
22. = SUBMERSIBLE PUMP & DISCHARGE ELBOW PER SPECS.
23. = INSTALL LINK-SEAL BOOTS OR APPROVED EQUAL ON ALL PIPE TO PRECAST CONCRETE CONNECTIONS, TYP. INSTALL PER MFR REQUIREMENTS. SEAL ALL VOIDS.
24. = 8" CONC. BAFFLE WALL
25. = 12"ø DI SPOOL, FLxPE
26. = 12"ø DI TEE, FLxFLxFL
27. = 3"ø PVC PIPE
28. = 3"ø DUCKBILL VALVE
29. = 4"ø PVC PIPE
30. = MANHOLE COVER, PER 6-04B/C9.02
31. = LW PRODUCTS HHDSBS-4F H-30 LOAD RATED ALUMINUM ACCESS HATCH OR EQUAL
32. = 3" FLOOR DRAIN, PER 5/M2.01
33. = LW PRODUCTS HHS-3A H-30 LOAD RATED ALUMINUM ACCESS HATCH OR EQUAL
34. = 3"ø PVC 90° BEND

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SEWAGE PUMP STATION
WETWELL & VAULTS SECTION
SEQUIM WASHINGTON

DATE	SCALE	JOB NUMBER
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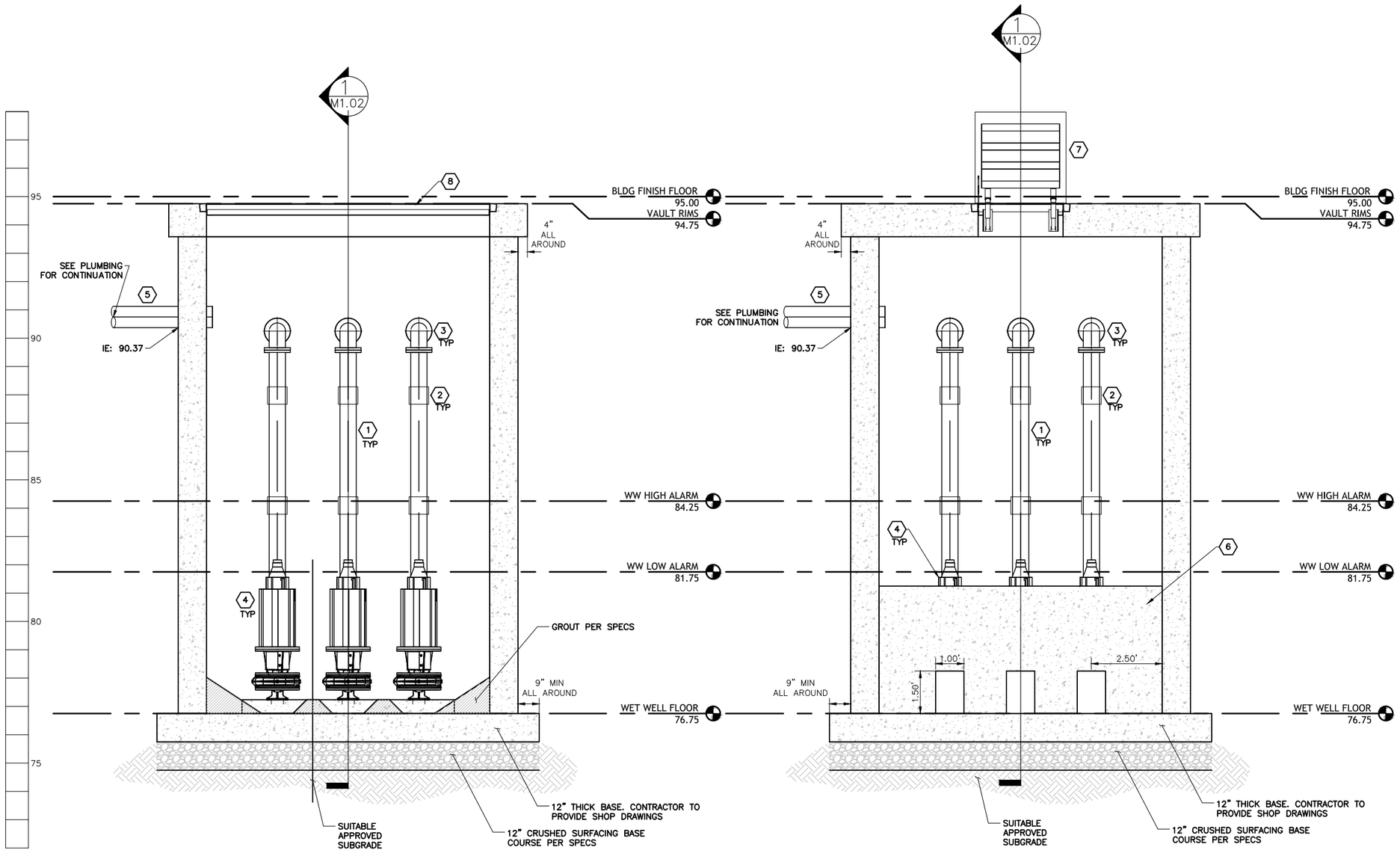
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SEWAGE PUMP STATION WETWELL SECTIONS

2 0 2 4 SCALE FEET — HORIZONTAL SCALE

2 0 2 4 SCALE FEET — VERTICAL SCALE



SEWAGE PUMP STATION WETWELL – SECTION 3

3

SEWAGE PUMP STATION WETWELL – SECTION 4

4

NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = 6"ø DI SPOOL, FLxFL
2. = WALL BRACE PIPE SUPPORT, PER 3/M2.01
3. = 6"ø DI 90° BEND, FLxFL
4. = SUBMERSIBLE PUMP & DISCHARGE ELBOW PER SPECS.
5. = 8"ø PVC PIPE
6. = 8" THICK CONC. BAFFLE WALL
7. = LW PRODUCTS HHS-3A H-30 LOAD RATED ALUMINUM ACCESS HATCH OR EQUAL
8. = LW PRODUCTS HHDSBS-4F H-30 LOAD RATED ALUMINUM ACCESS HATCH OR EQUAL

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WEST SEQUIM BAY ROAD CORRIDOR PROJECT
SEWAGE PUMP STATION
FLOW METER & PIG LAUNCHER VAULTS 1

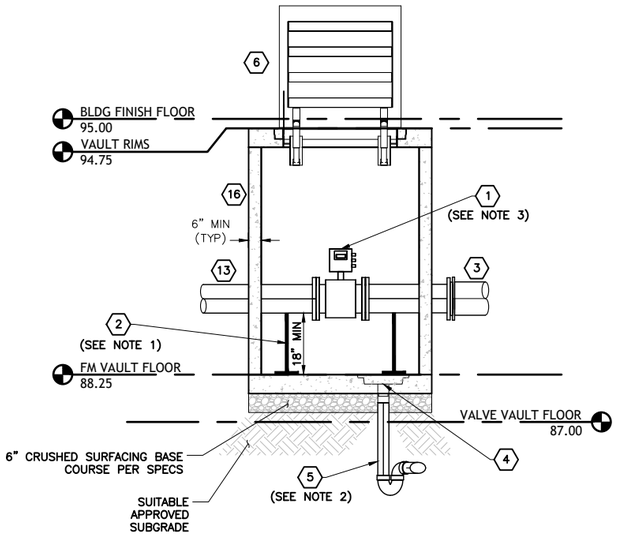
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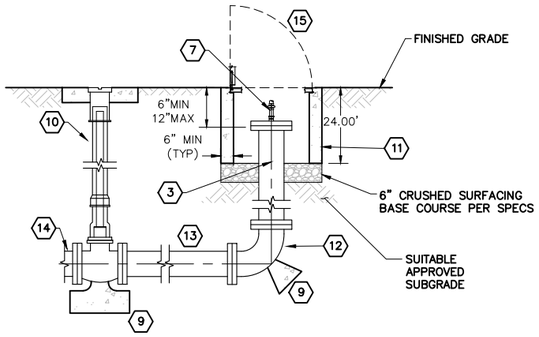
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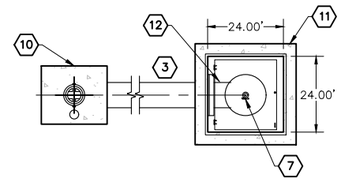
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1 FLOW METER VAULT





2 PIG LAUNCHER VAULT
NOT TO SCALE

SEWAGE PUMP STATION FLOW METER
AND PIG LAUNCHER VAULTS

2 0 2 4
SCALE HORIZONTAL SCALE FEET

2 0 2 4
SCALE VERTICAL SCALE FEET

NOTES:
1. CONFIRM PIPE SUPPORT LOCATIONS WITH ENGINEER.
2. 3-IN. PVC VAULT DRAINS SHALL DRAIN TO INFLUENT MANHOLE.
3. SEE ELECTRICAL PLANS/SPECS. FOR ELECTROMAGNETIC FLOW METER DETAILS.

NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = 8"ø ELECTROMAGNETIC FLOW METER
2. = HORIZONTAL PIPE SUPPORT, PER 1/M2.01
3. = 2', 8" SLEEVE, MJxMJ W/ MJ RESTRAINT
4. = 3" FLOOR DRAIN, PER 5/M2.01
5. = 3"ø PVC PIPE
6. = LW PRODUCTS HHS-3A H-30 LOAD RATED ALUMINUM ACCESS HATCH OR EQUAL
7. = 8" DI BLIND FL W/ 1/2" THREADED TAP, 1/2" THREADED NIPPLE (MIPXMIP), 1/2" SS QUARTER TURN BALL VALVE (FIP)
8. = 8"ø DI LONG RADIUS 90 DEG. ELBOW
9. = THRUST BLOCK, PER 5-07/C9.04
10. = 8"ø DI PLUG VALVE, VALVE BOX, CONCRETE COLLAR, & THRUST BLOCK
11. = 2'L x 2'W x 2'H (MIN. INSIDE DIMENSIONS) PRECAST CONCRETE VAULT. OLDCASTLE PRECAST 3030-LA WITH OPEN BOTTOM OR APPROVED EQUAL
12. = 8"ø DI LONG RADIUS 45 DEG. ELBOW
13. = 8"ø DI SPOOL, FLxFL
14. = 8"ø DI WYE, FLxFLxFL
15. = LW PRODUCTS HHS-1A H-30 LOAD RATED ALUMINUM ACCESS HATCH OR EQUAL
16. = 4'L x 4'W x 6'H (MIN. INSIDE DIMENSIONS) PRECAST CONCRETE VAULT. OLDCASTLE PRECAST 507-LA OR APPROVED EQUAL

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SEWAGE PUMP STATION
FLOW METER & PIG LAUNCHER VAULTS 2
SEQUIM WASHINGTON

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

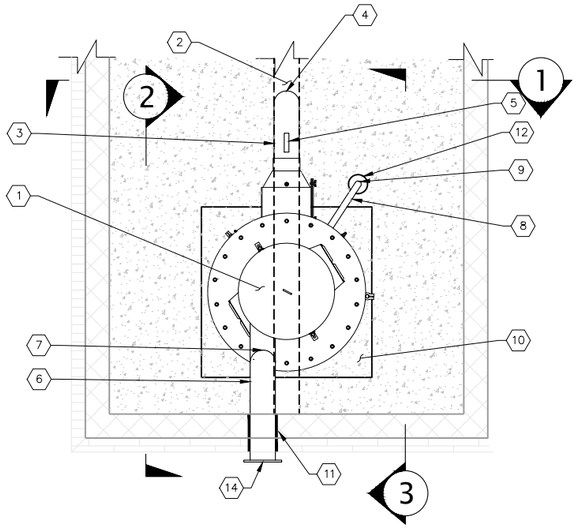
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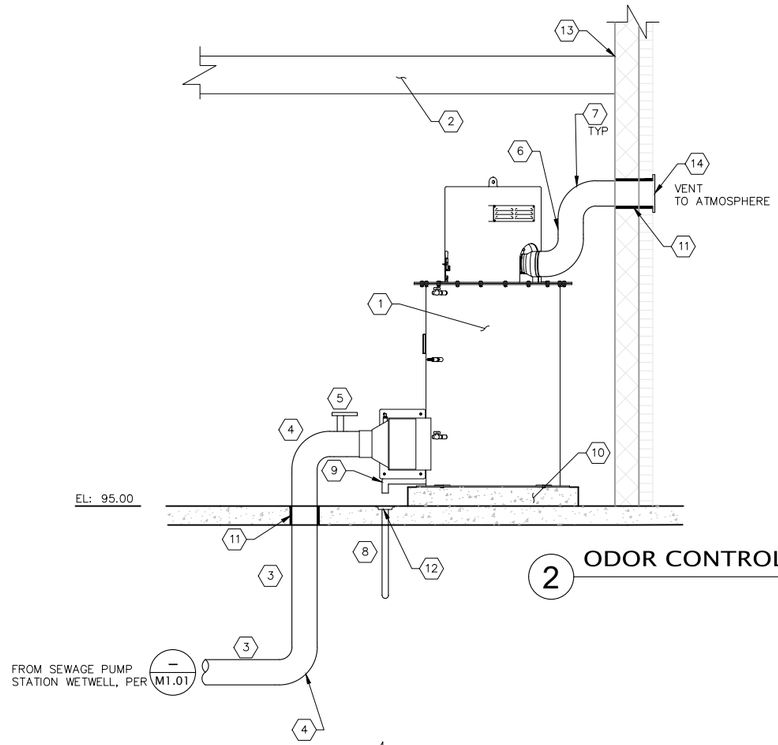
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ODOR CONTROL PLAN AND SECTIONS

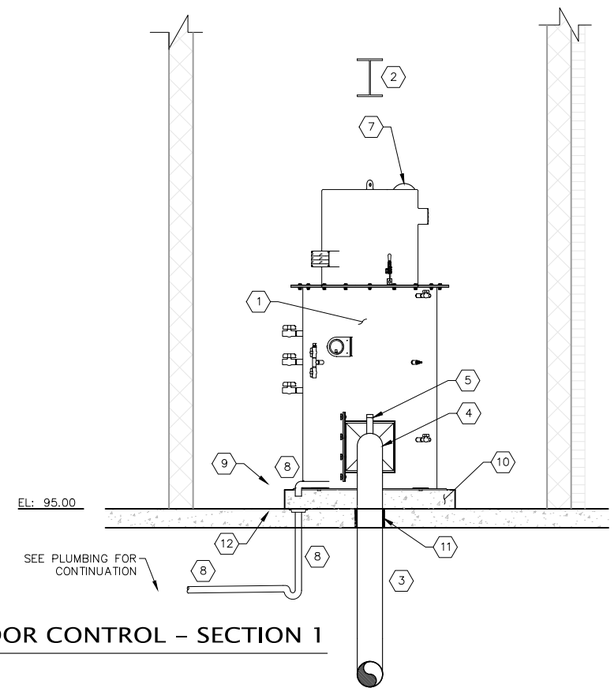
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HORIZONTAL SCALE

2 0 2 4
SCALE FEET
VERTICAL SCALE

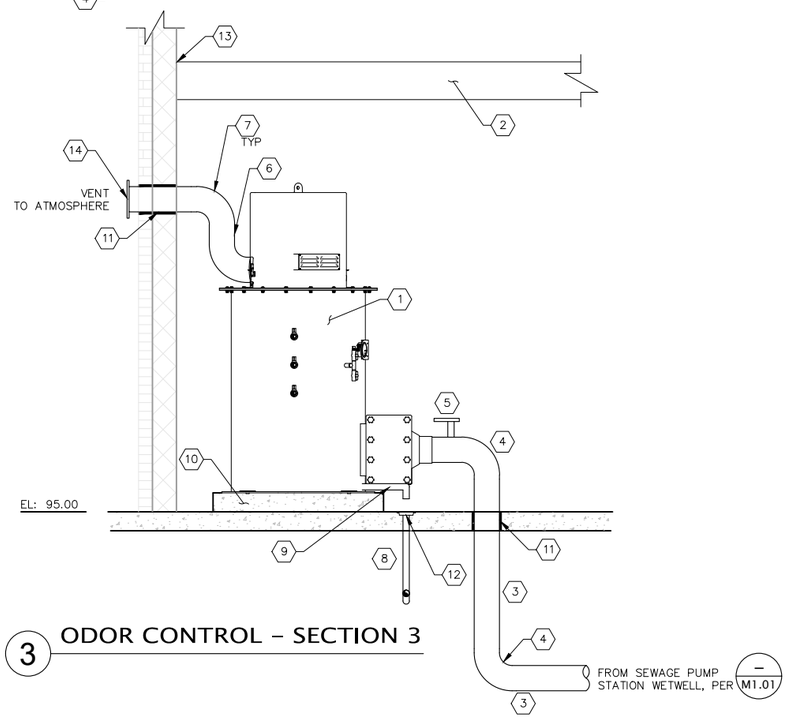




2 ODOR CONTROL – SECTION 2



1 ODOR CONTROL – SECTION 1



3 ODOR CONTROL – SECTION 3

NO.	REVISIONS	BY	DATE

KEYED NOTES

1. = ACTIVATED CARBON ODOR CONTROL SYSTEM PER SPECIFICATIONS
2. = W 12x40 A36 CARBON STEEL WIDE FLANGE BEAM. CENTER OVER PUMPS & ODOR CONTROL SYSTEM.
3. = 8"ø PVC PIPE
4. = 8"ø PVC 90 DEG. ELBOW
5. = 8"ø PVC MANUAL DAMPER
6. = 8"ø FRP DUCT PIPE
7. = 8"ø FRP 90 DEG. DUCT ELBOW
8. = 2"ø PVC PIPE
9. = 2"ø 90 DEG. PVC PIPE ELBOW
10. = 54"x54"x6" CONC. EQUIPMENT SLAB, PER 5/S2.4
11. = PIPE PENETRATION, PER 2/M2.02
12. = 2"ø FLOOR DRAIN, PER 5/M2.01
13. = BEAM TO WALL CONNECTION, PER 5/S2.4
14. = 8"ø 316 SS AIR VENT WITH 24 MESH SS INSECT SCREEN.

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SEWAGE PUMP STATION
ODOR CONTROL SYSTEM SECTIONS

SEQUIM WASHINGTON

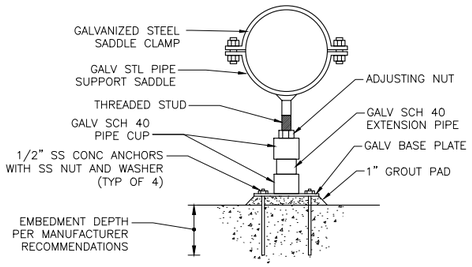
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M1.05	2-23-2024	AS SHOWN	2023-069

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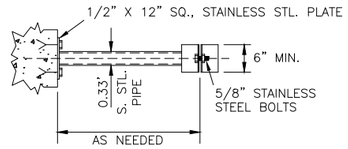


SADDLE SIZE	1/2"x2"
THREADED STUD	1"x6"
CUP ID	2-1/2"
¼" BASE PLAT	6"x6"
EXTENSION PIPE DIA	2"

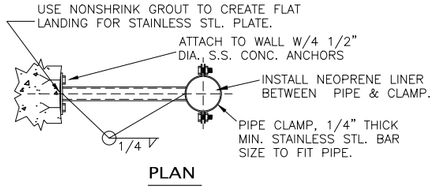
NOTES:

1. TO INSURE PROPER SUPPORT AND STABILITY, AFTER FINAL HEIGHT ADJUSTMENT IS ATTAINED, APPLY TACK WELDS TO BOTH SUPPORT CUPS AND EXTENSION PIPE. USE E70XX ELECTRODE FOR WELDS.
2. HOT DIP GALVANIZE ALL PARTS AFTER FABRICATIONS.
3. FIELD PAINT AS SPECIFIED.

1 PIPE SUPPORT DETAIL
NOT TO SCALE

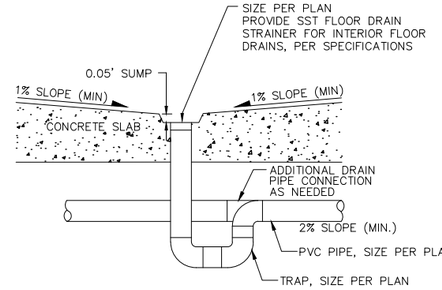


ELEVATION

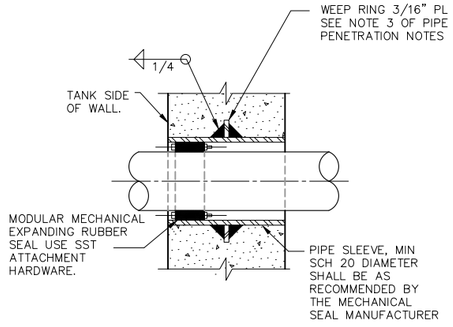


PLAN

3 VERTICAL PIPE BRACE
NOT TO SCALE

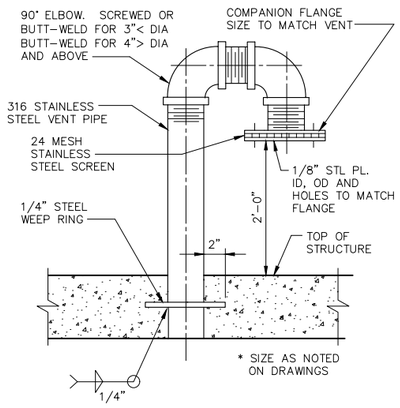


5 TYPICAL VAULT/FLOOR DRAIN
NOT TO SCALE

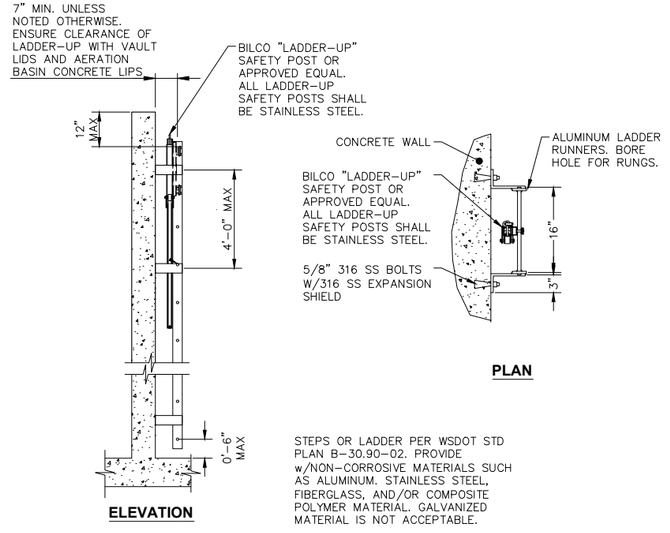


NOTE:
THIS PENETRATION SHALL BE AS MANUFACTURED BY LINK-SEAL, OR EQUAL.

2 LINK-SEAL PENETRATION FOR PRE-CAST CONC. WALLS
NOT TO SCALE



4 VENT
NOT TO SCALE



6 ACCESS LADDER DETAIL
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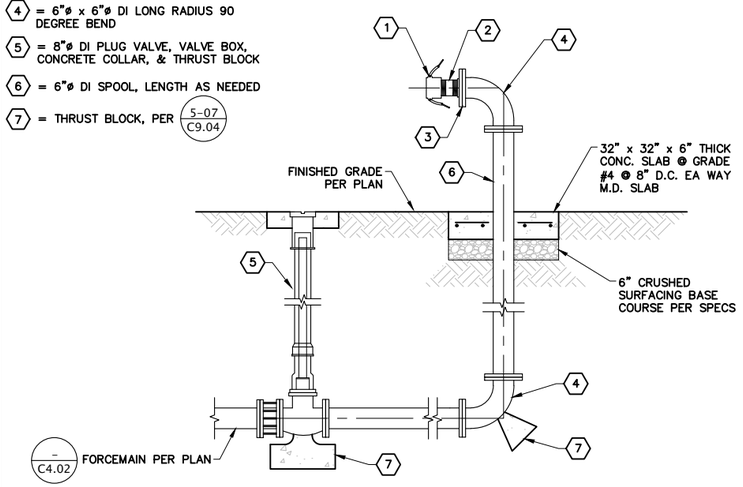
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SEQUIM WASHINGTON
MECHANICAL DETAILS 1

DATE	SCALE	JOB NUMBER
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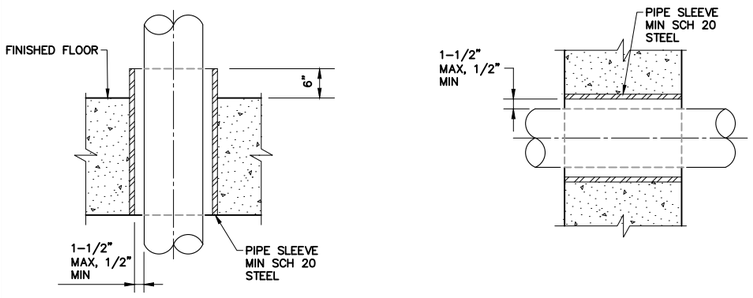
SHEET M2.01
PAGE 117 OF X

KEYED NOTES

1. = 6"ø STAINLESS STEEL FEMALE CAM & GROOVE BY 6" FNPT ADAPTER
2. = 6"ø STAINLESS STEEL NPT NIPPLE (MIN. 4" LONG)
3. = 6"ø DI FLANGE TO 6"ø FNPT ADAPTER (COMPANION FLANGE)
4. = 6"ø x 6"ø DI LONG RADIUS 90 DEGREE BEND
5. = 8"ø DI PLUG VALVE, VALVE BOX, CONCRETE COLLAR, & THRUST BLOCK
6. = 6"ø DI SPOOL, LENGTH AS NEEDED
7. = THRUST BLOCK, PER 5-07 / C9.04



1 BYPASS PORT ASSEMBLY
NOT TO SCALE



2 PIPE PENETRATION FOR INTERIOR FLOORS/WALLS
NOT TO SCALE

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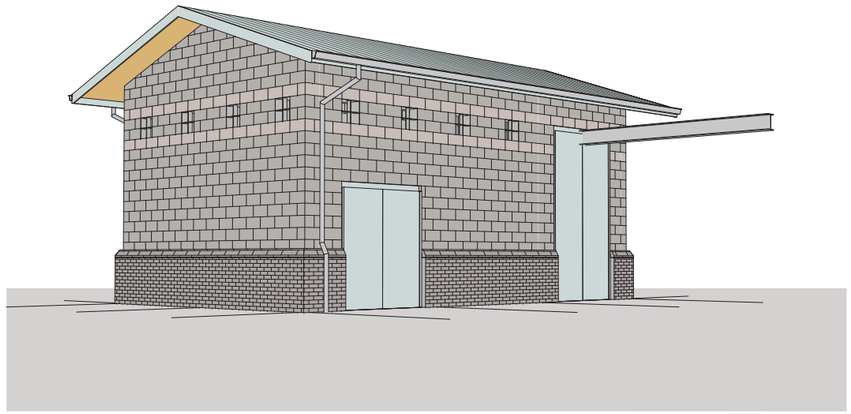
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SEQUIM WASHINGTON

MECHANICAL DETAILS 2

SHEET	DATE	SCALE	JOB NUMBER
M2.02	2-23-2024	AS SHOWN	2023-069

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Rendering of Proposed Exterior

NO SCALE
NOTE: THIS RENDERING IS FOR ILLUSTRATIVE PURPOSES ONLY. NOT TO BE USED FOR DESIGN, PERMITTING, BIDDING, OR CONSTRUCTION. NOTE THAT CMU PATTERING IS SHOWN CORRECTLY ON OTHER EXTERIOR ELEVATIONS DRAWINGS.

Project Team

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T 509 888 9364
ATTENTION: BRIAN ZIESMER
BRIAN@Z-ENGINEERS.COM

Project Information

PROJECT DATA

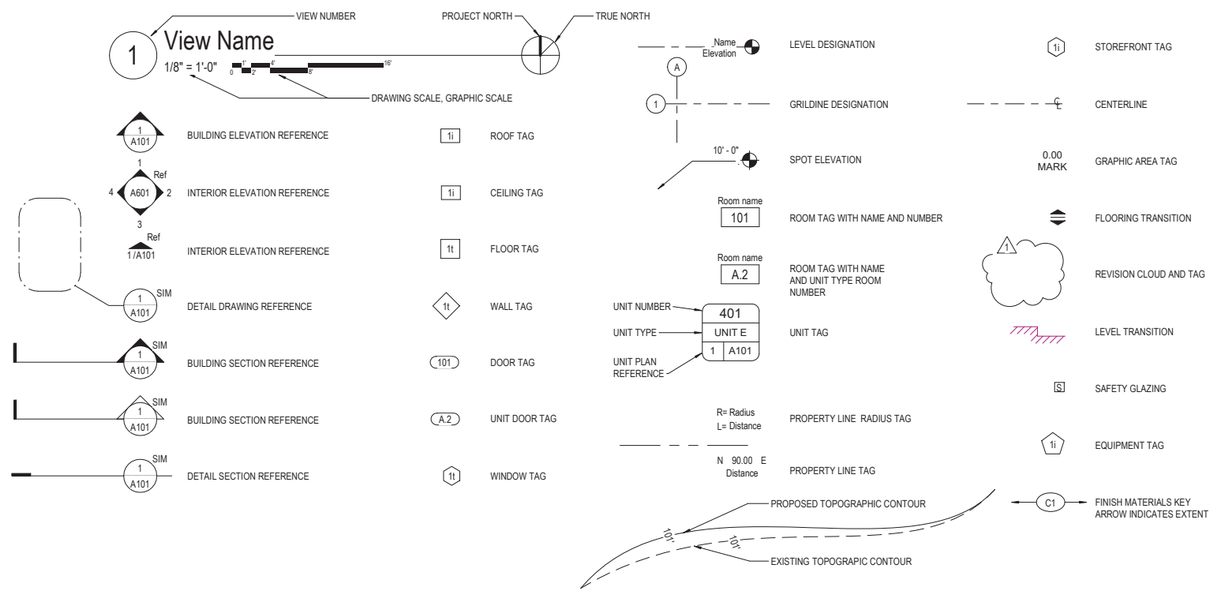
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BUILDING CODE REQUIREMENTS

CODES:
WASHINGTON STATE BUILDING CODE, 2021 EDITION
INTERNATIONAL MECHANICAL CODE (IMC), 2021 EDITION
INTERNATIONAL FUEL GAS CODE (IFGC), 2021 EDITION
INTERNATIONAL FIRE CODE (IFC), 2021 EDITION
UNIFORM PLUMBING CODE (UPC), 2021 EDITION
WASHINGTON CITIES ELECTRICAL CODE
WASHINGTON STATE ENERGY CODE (WSEC), 2021 EDITION

*NOTE: ALL CODES ARE SUBSEQUENTLY MODIFIED BY WASHINGTON ADMINISTRATIVE CODE (WAC) AMENDMENTS

Architectural Symbols



Drawing Index

ARCHITECTURAL

A0.1	COVER SHEET
A1.1	BUILDING FLOOR PLANS & ASSEMBLIES
A2.1	BUILDING ELEVATIONS
A3.1	BUILDING SECTION
A3.2	BUILDING SECTION
A5.1	DETAILS
A8.1	SCHEDULES & TYPES

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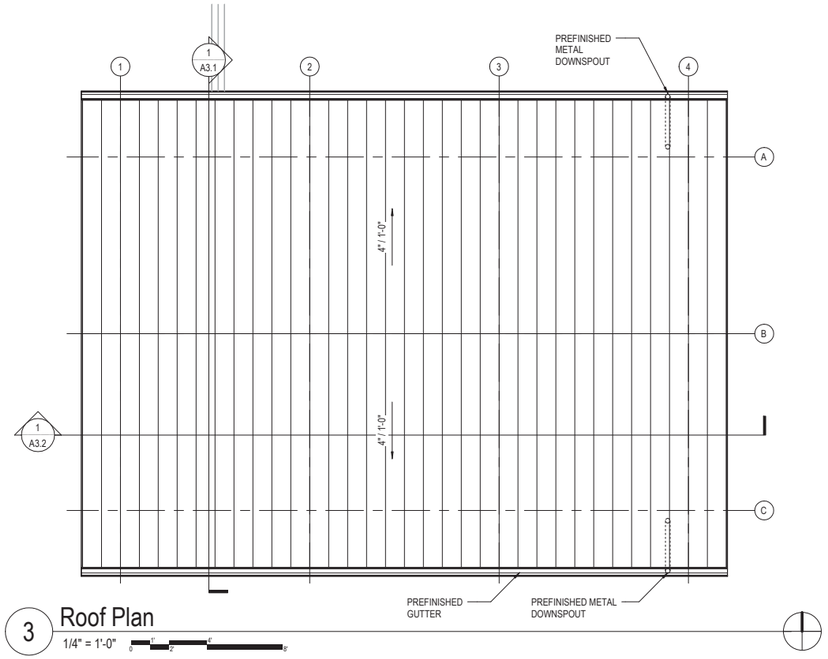
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CHECKED BY Checker

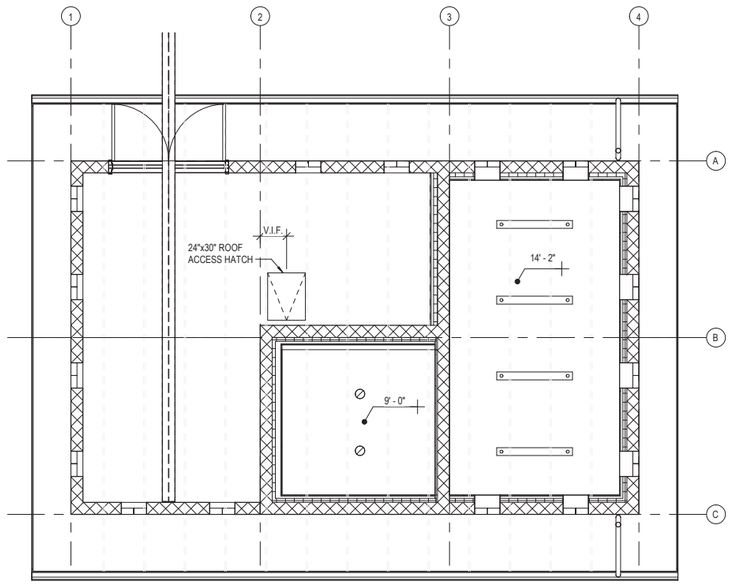
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COVER SHEET

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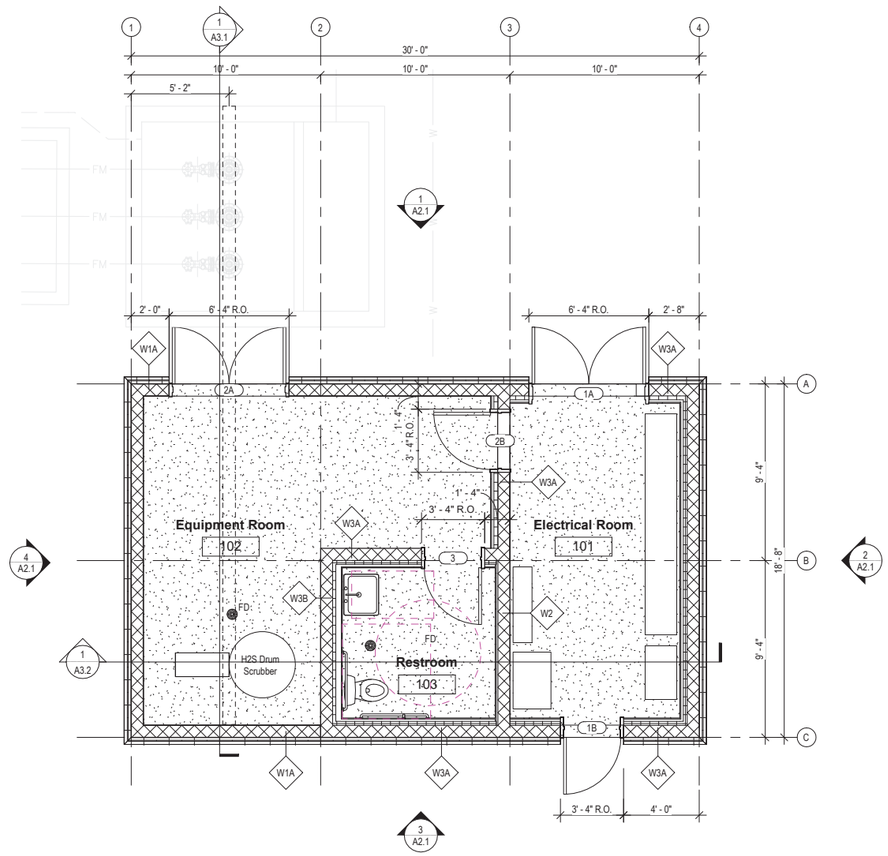
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3 Roof Plan
1/4" = 1'-0"



2 Reflected Ceiling Plan
1/4" = 1'-0"



1 Floor Plan
1/4" = 1'-0"

R1 C1

STANDING SEAM METAL ROOF ON PRE-MANUFACTURED TRUSSES

- PREFINISHED STANDING SEAM METAL PANEL ROOF PANELS
- ROOFING FELT
- PLYWOOD SHEATHING (REFER TO STRUCTURAL)
- PREMANUFACTURED ROOF TRUSSES
- R-49 FIBERGLASS BATT INSULATION ABOVE CEILING
- 5/8" TYPE 'X' GYPSUM WALLBOARD CEILING MOUNTED TO UNDERSIDE OF ROOF TRUSSES

SECTION VIEW

S1

CONCRETE SLAB ON GRADE

- CONCRETE SLAB - REF. STRUCTURAL FOR THICKNESS
- UNDER SLAB VAPOR RETARDER
- R-10 RIGID INSULATION AT PERIMETER GRADE BEAM

SECTION VIEW

W3A 1 1/2" STUD W3B 3 5/8" STUD

CONCRETE MASONRY UNIT WALL

- ANTI-GRAFFITI COATING/SEALER AT EXTERIOR LOCATIONS AND/OR FACES ACCESSIBLE TO THE GENERAL PUBLIC
- NOMINAL 8" x 8" x 16" WIDE GROUT-FILLED OR GRANULAR INSULATED CONCRETE MASONRY UNIT
- 2 1/2" MINERAL WOOL BOARD FACED WITH VAPOR RETARDER
- METAL STUD FRAMING
- 5/8" TYPE 'X' GYPSUM WALLBOARD

PLAN VIEW

W2

CONCRETE MASONRY UNIT WALL

- NOMINAL 8" x 8" x 16" WIDE GROUT-FILLED OR GRANULAR INSULATED CONCRETE MASONRY UNIT, PAINTED ON EXPOSED INTERIOR FACE.
- METAL STUD FRAMING
- 5/8" TYPE 'X' GYPSUM WALLBOARD

PLAN VIEW

W1

CONCRETE MASONRY UNIT WALL

- ANTI-GRAFFITI COATING/SEALER AT LOCATIONS AND/OR FACES ACCESSIBLE TO THE GENERAL PUBLIC, PAINTED AT INTERIOR
- NOMINAL 8" x 8" x 16" WIDE GROUT-FILLED OR GRANULAAR INSULATED CONCRETE MASONRY UNIT

PLAN VIEW

RCP Legend

LINEAR LED STRIP FIXTURE: REF. ELECTRICAL

3" RECESSED CAN LED LIGHT FIXTURE: REF. ELECTRICAL

EXTERIOR WALL MOUNTED SCONCE: BALTHUS LED SCONCE; REF. ARCH. ELEVATIONS FOR HEIGHTS; REF. ELECTRICAL.

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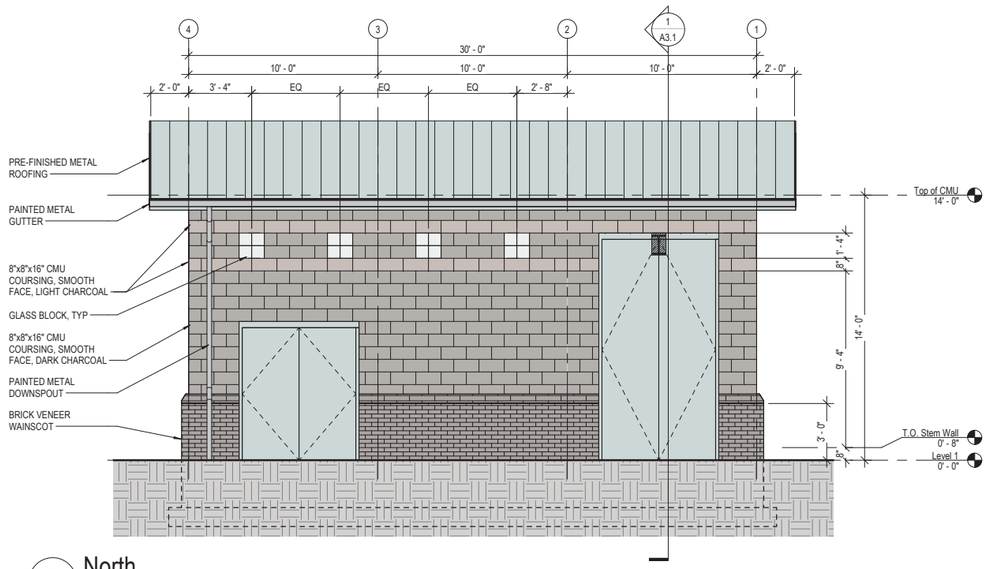
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BUILDING FLOOR PLANS & ASSEMBLIES
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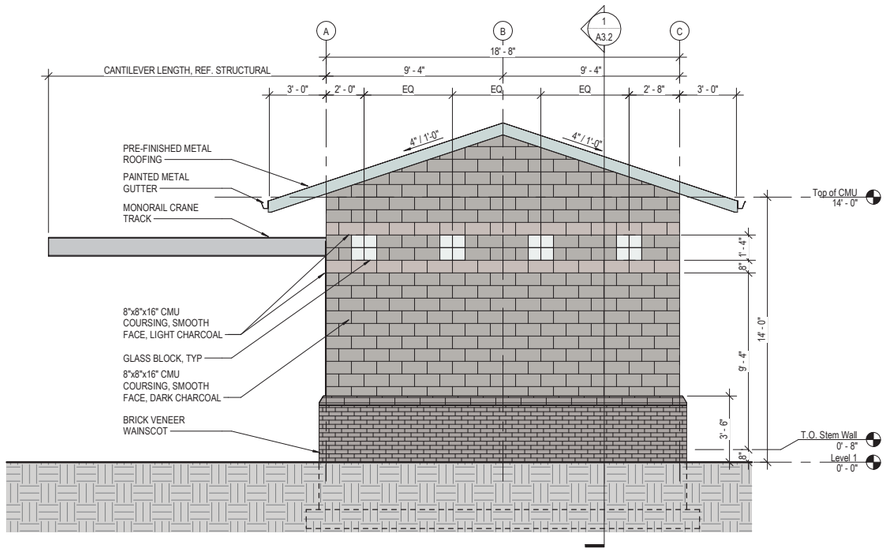
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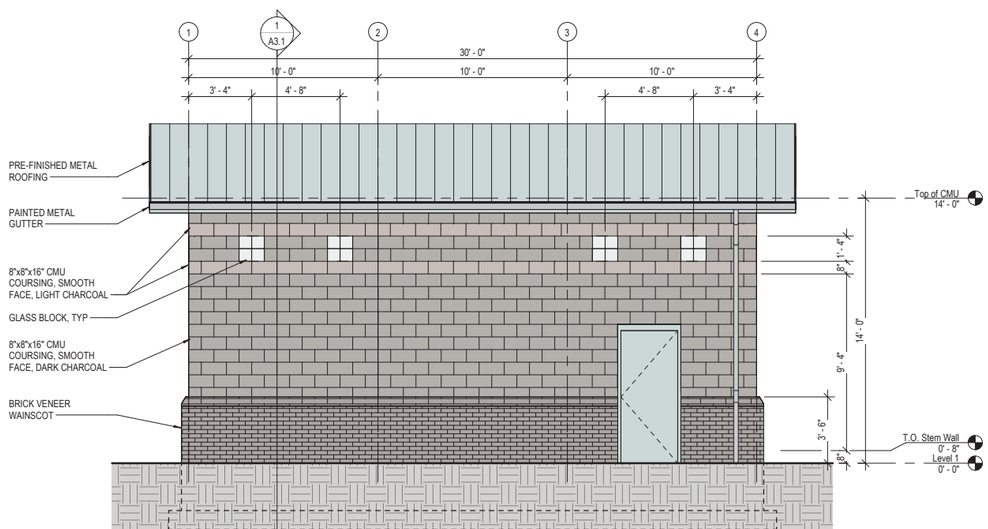
1 North

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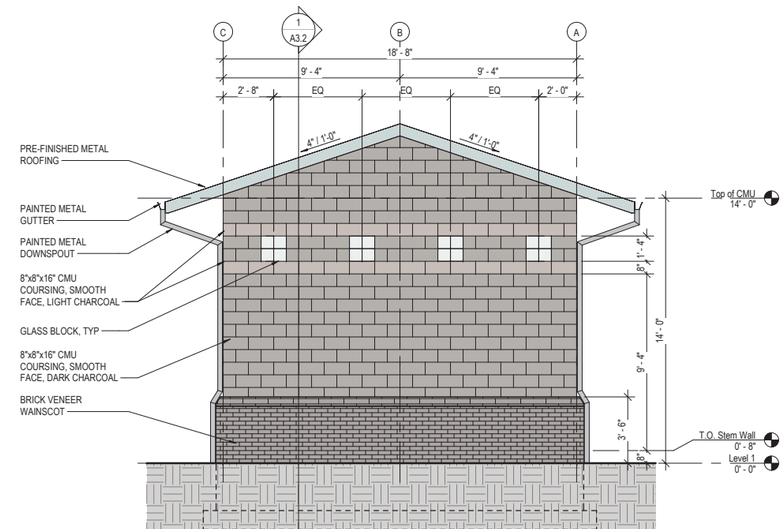
4 West

1/4" = 1'-0"



3 South

1/4" = 1'-0"



2 East

1/4" = 1'-0"

NO.	REVISIONS	BY	DATE

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WEST SEQUIM BAY ROAD CORRIDOR PROJECT

BUILDING ELEVATIONS

DATE 1/26/2024

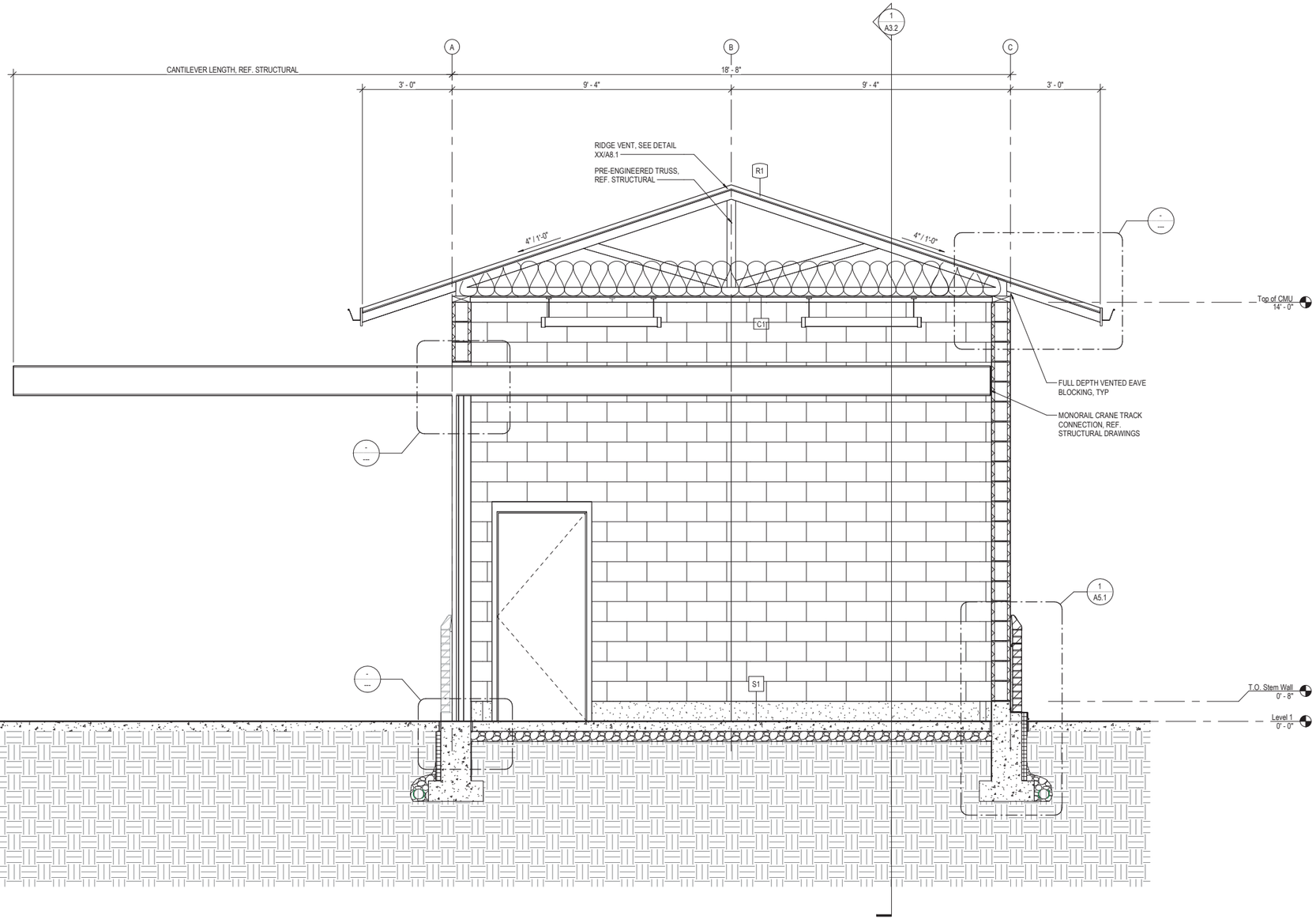
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1 NS Section

1/2" = 1'-0"

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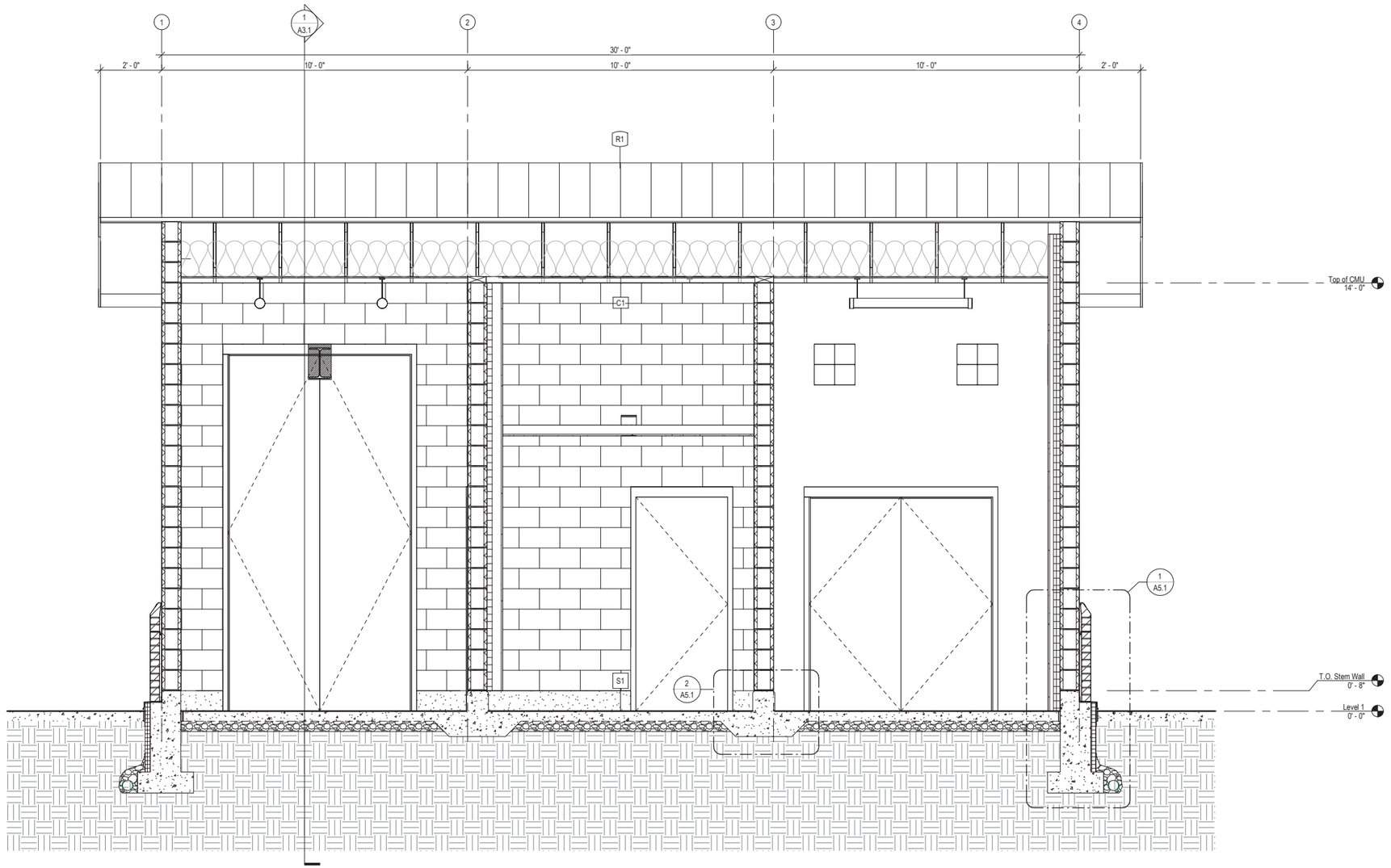
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1 EW SECTION

1/2" = 1'-0"

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CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

BUILDING SECTION

WASHINGTON

SEQUIM

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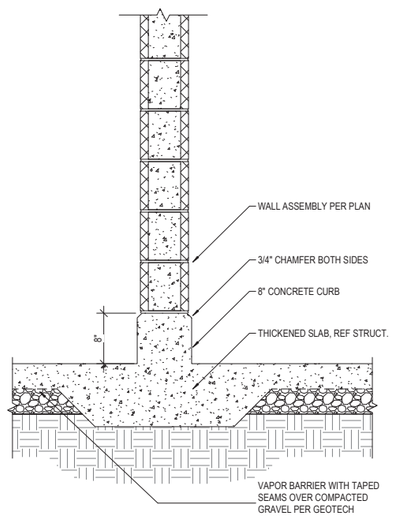
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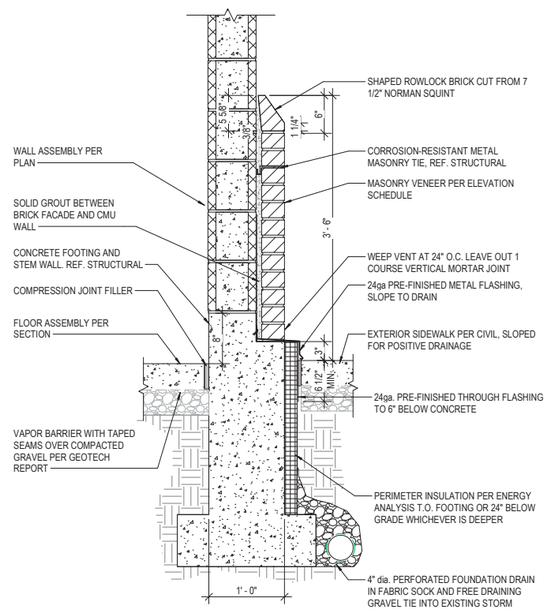
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2 Concrete Curb at Interior Wall

1" = 1'-0"



1 Exterior Foundation & Brick Wainscot

1" = 1'-0"

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DETAILS

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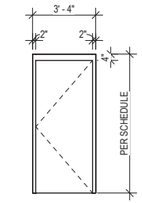
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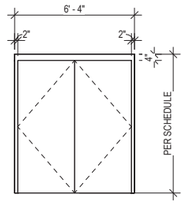
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A



HOLLOW METAL DOOR
[INSULATED AT EXTERIOR CONDITIONS]

B

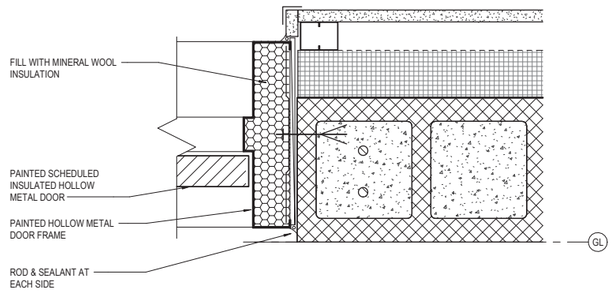


HOLLOW METAL
DOUBLE PANEL DOOR
[INSULATED AT EXTERIOR CONDITIONS]

Door Schedule

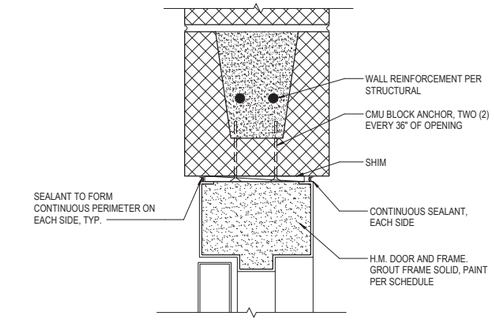
Door Number	Door Size Width	Door Size Height	Door Type	Door Finish	Frame Material	Frame Finish	Fire Rating	Hardware Group	Comments
1A	6' - 0"	7' - 0"	B	PRIME & PAINT	16 GA H.M.	PRIME & PAINT			
1B	3' - 0"	7' - 0"	A	PRIME & PAINT	16 GA H.M.	PRIME & PAINT			
2A	6' - 0"	11' - 8"	B	PRIME & PAINT	16 GA H.M.	PRIME & PAINT			
2B	3' - 0"	7' - 0"	A	PRIME & PAINT	16 GA H.M.	PRIME & PAINT			
3	3' - 0"	7' - 0"	A	PRIME & PAINT	16 GA H.M.	PRIME & PAINT			

Door Types



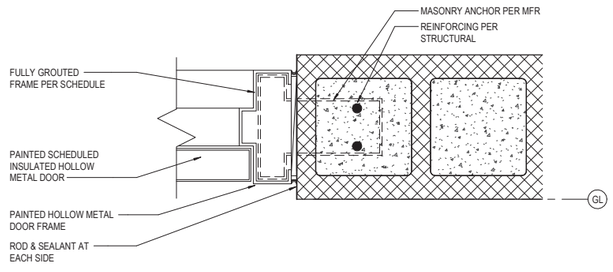
4 Hollow Metal Door Jamb CMU Wall Type E2

3" = 1'-0"



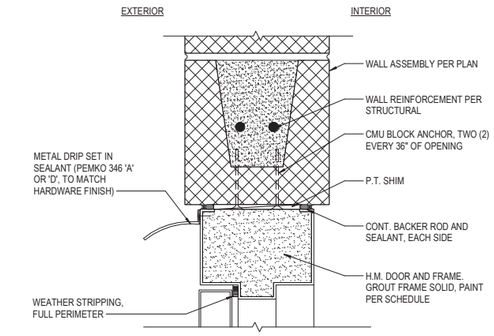
2 Hollow Metal Door Head in Interior CMU Wall

3" = 1'-0"



3 Hollow Metal Door Jamb CMU Wall Type E1

3" = 1'-0"



1 Hollow Metal Door Head in Exterior CMU Wall

3" = 1'-0"

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CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

SCHEDULES & TYPES

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-- GENERAL NOTES --

1 DESIGN BASIS: Designed in accordance with the 2021 International Building Code (IBC).

2 RISK CATEGORY: IV (per IBC Table 1604.5)

3 DESIGN DEAD / LIVE LOADS
- Floor Live Load: 100 PSF Typical
- Roof Dead Load: 15 PSF Typical (Incl. Framing)
- Roof Live Load: 20 PSF Typical

4 DESIGN SNOW LOADS (ASCE 7-16)
- Ground Snow Load: Pg = 22 PSF
- Flat Roof Snow Load: Pf = 25 PSF
- Minimum Uniform Roof Snow Load = 25 PSF (unreducible)
- Thermal Factor: Ct = 1.1 / Exposure Factor: Ce = 1.2 / Snow Load Importance Factor: Is = 1.2

5 DESIGN WIND LOADS (ASCE 7-16)
- V = 109 MPH / V(asd) = 84 MPH
- Exposure: B / Internal Pressure Coefficient: +/- 0.18
- Components & Cladding: Components and cladding-wind pressures to be used for the design of exterior components and cladding (by others) shall be determined in accordance with ASCE 7 and the IBC.

6 DESIGN SEISMIC LOADS (ASCE 7-16)
- Site Class = D
- Seismic Design Category = D / Importance Ie = 1.5
- Ss = 1.33g / S1 = 0.472g
- Sds = 0.887g / Sd1 = 0.575g
- Building System: Bearing Wall System
- SFRS: Special Reinforced Masonry Shearwalls
- Response Modification Factor Used: R = 5
- Seismic Response Coefficient: Cs = 0.266
- Design Base Shear: V = 20 kips (for CMU Building)
- Analysis Procedure: Equivalent Lateral Force Procedure

7 QUALITY: Contractor shall ensure high standards of worksmanship throughout, with strict adherence to the contract documents and all governing codes and standards.

8 DESIGN RESPONSIBILITY: Kingworks is responsible only for the design of the primary structural system as shown in the contract documents. Design of all secondary structure or non-structural elements are by others.

9 DISCREPANCIES: Notify the Architect immediately of any discrepancies between these notes, the contract drawings, the specification, or the governing code. The Architect shall reply in writing. Any related work performed by the Contractor prior to receiving a reply from the Architect is at the Contractor's sole risk. For purposes of bidding, the most stringent of the conflicting documents shall apply.

10 VERIFICATIONS: Verify all existing conditions; verify all dimensions in the field; verify architectural, mechanical and electrical openings for size, location and number; notify the Architect of any discrepancies, substandard existing conditions, or conditions not included in or contrary to the Contract Documents prior to shop drawing submittal or construction.

11 DRAWING COORDINATION: Coordinate the structural drawings with drawings from all other disciplines (including but not limited to Architectural, Civil, Mechanical, and Electrical).

12 COMPLETED FORM: The structure shown in these drawings is designed to be stable and to resist the loads above only in a fully completed form. Contractor shall ensure that the structure is adequately braced and shored during construction for all temporary loads until all elements are in place, and shall ensure that temporary loadings do not exceed the allowable capacity of any structural elements both before and after these elements are in place.

13 MEANS AND METHODS: Contractor is solely responsible for site safety, coordination, procedures, construction methodology, shoring, bracing, sequencing, and all other "means and methods" of construction except where specifically shown in the Contract Documents.

14 PROTECTION AND BRACING: Contractor is solely responsible for the protection of existing buildings, utilities, streets, equipment, etc. during construction. Provide temporary bracing and protection as required.

15 SCALING: Do not scale drawings. See architectural drawings for dimensions, and notify the Architect of any discrepancies.

16 ALTERATIONS: Any holes or other alterations to the structure which are not specifically detailed on the Contract Drawings shall be submitted to the engineer for approval.

17 LOAD COORDINATION: The design of all pre-engineered components shall include provisions for precise locations and weights of all mechanical units and other concentrated loads. Concentrated loads are not necessarily indicated on the Structural Drawings, and must be coordinated by the General Contractor, who shall also inform the Architect of any significant loads not shown in the contract documents. The Contractor shall assume full responsibility for coordination of weights, locations, hanger spacings, methods of attachment and seismic bracing of all mechanical units, sprinklers, pipes, ductwork, and other miscellaneous MEP assemblies.

18 MEP CONNECTIONS TO STRUCTURE: Unless specifically shown otherwise in the Contract Documents, all anchorage, support, and seismic bracing of mechanical and electrical equipment, piping, ceilings, fixtures and other non-structural components shall be designed by a Washington State Licensed Professional Engineer and installed by the Contractor. The engineer shall be retained by the Contractor, and the Contractor is responsible for all associated engineering, component, and installation costs. Design shall be per ASCE 7 Chapter 13.

19 DELIVERY, STORAGE AND HANDLING: All products shall be delivered, stored, and handled according to the Manufacturer's recommendations and installation instructions. Protect all items from damage, moisture, corrosion, or other deterioration before, during and after installation.

20 COPYRIGHT: These drawings, and all designs shown within these drawings, are copyrighted by Kingworks Structural Engineers. Duplication is not permitted without written permission. The designs shown herein are intended for this project only and may not be used on any other project or for any other purpose.

-- SUBMITTALS --

1 GENERAL: Provide PDF of all submittals to the Architect. Allow two weeks for review. Submittals will be reviewed for general conformance to the contract documents. Responsibility for adherence to the contract documents lies solely with the Contractor, including but not limited to dimensions, sizes, connections, and quantities.

2 CONTRACTOR REVIEW: Contractor shall review, mark, and stamp all submittals before submittal to the Architect. Unreviewed or unstamped submittals will be returned to the Contractor without review.

3 RESUBMITTALS: Resubmittals shall have all revisions clearly identified with "drawing clouds" and revision dates. KW shall not be responsible for review of any unmarked revisions.

-- SUBMITTALS --

4 SHOP DRAWINGS: To include typical and unique conditions and all connections, shall be submitted to the Structural Engineer of Record for the following products prior to fabrication. Shop drawings shall clearly demonstrate the Contractor's understanding of the contract documents. The following shall be considered minimum structural submittals for this project:
- Concrete & Masonry Reinforcing Steel (incl. wall elevations)
- Concrete & Grout Mix Designs (confirm f'c & f'm prior to construction)
- Concrete Accessories
- Non-Shrink Grout Material Specification and MFR Installation Recommendations
- Structural Steel Hoist Beam

5 DEFERRED SUBMITTALS: Shall be designed by a Washington State Licensed Professional Engineer (Structural Engineer where required by jurisdiction). Submittals shall clearly indicate all loads and reactions to be imposed on the primary structure. Submittals shall include all components and connections required to perform the work. Where the Contract Documents indicate member or connection qualities and/or quantities, these shall be considered a minimum and remain the design responsibility of the component engineer to increase as required to satisfy load and deflection requirements. Deferred submittals shall include calculation set. Both the calculation set and all related shop drawings of the deferred submittal shall be sealed prior to submission. The Architect shall forward deferred submittals to the Building Official where required. The following shall be considered Deferred Submittals on this project:
- Precast Concrete Vaults
- Metal Plate Connected Wood Trusses (MPCWT)

6 SUBMITTAL REVIEW COMMENTS: Engineer marks and comments on shop drawings and other submittals are a normal and expected part of the submittal process, and are not to be used as a basis for change orders except in cases where these marks result in or derive from substantial changes to the Contract Drawings. Time required to revise and resubmit any submittal shall be considered inherent to the submittal review process and shall not be deemed a change order. If discrepancies are discovered between the submittals and the Contract Documents (either before, during, or after submittal review), the Contract Documents shall govern and be implemented unless specifically directed otherwise.

-- SPECIAL INSPECTIONS, TESTING, AND STRUCTURAL OBSERVATION --

1 GENERAL: A special inspection agency shall be retained by the owner to perform inspections according to IBC Chapter 17. The following scheduled structural special inspection and testing regimen shall be cross-referenced with the IBC and its referenced standards for more specific requirements and exceptions. Special inspection and test reports shall be submitted to the Building Official, Architect and Structural Engineer in accordance with IBC 1704.2.4.

2 NONSTRUCTURALCOMPONENTS: Nonstructural components are also subject to special inspection for conformance to the Seismic Design Requirements of ASCE 7-16 Chapter 13. The support and seismic bracing of nonstructural components shall be designed by a Washington State Licensed Engineer, who shall be retained by the Contractor. Nonstructural components subject to seismic design and periodic special inspection requirements of ASCE 7-16 and IBC Chapter 17 include (but are not limited to) the following:
- Architectural components (IBC 1705.12.5)
- Nonstructural components (IBC 1705.13.2)
- MEP Components (IBC 1705.12.6)
- Reference the architectural, electrical, and mechanical drawings and/or specifications for additional special inspection and testing requirements.

3 STRUCTURAL OBSERVATION: KW will perform Structural Observation if/as required by IBC 1704.6. Structural Observation is for intermittent review of general conformance to the design intent and shall be in addition to (not replacing) the third-party special inspection regimen.

-- STRUCTURAL SPECIAL INSPECTION SCHEDULE --

	STRUCTURAL ITEM	FREQUENCY (C=continuous, P=periodic)	REFERENCE (2018 IBC Section, uon)
1	STEEL		1705.2, 1705.12.1
	- Material Verification - Steel Members	P	AISC 360-16 Chap N
	- Weld Filler Material Verification	P	AISC 360-16 Chap N
	- Single Pass Fillet Welds ≤ 5/16	P	AISC 360-16 Chap N
	- Nonstructural Steel	Varies	1705.13.2
2	CONCRETE		1705.3, ACI 318-14 26.13
	- Reinf Placement	P (and prior to all pours)	Table 1705.3, ACI 318-14 26.6.2
	- Anchor Placement	P (and prior to all pours)	Table 1705.3
	- Concrete Placement	C	Table 1705.3
	- Concrete Testing	Per ACI 318-14 26.12	Table 1705.3
	- Formwork & Curing	P	Table 1705.3
3	MASONRY	"Level B" QA (not req'd for veneer)	1705.4, 2105, TMS 402/602
	- Mortar Proportions & Joints	P	TMS 402-16 Table 3.1.2
	- Reinf Placement	P (and prior to grouting)	TMS 402-16 Table 3.1.2
	- Type/Size/Location (Elements)	P	TMS 402-16 Table 3.1.2
	- Type/Size/Location (Anchors)	P (and prior to grouting)	TMS 402-16 Table 3.1.2
	- Cold Weather Measures	P	TMS 402-16 Table 3.1.2
	- Grout Placement	C	TMS 402-16 Table 3.1.2
	- Prism Testing	P (not req'd for Unit Strength Method)	2105, ACI 530.13 Table 3.1.2
4	POST-INSTALLED ANCHORS		Table 1705.3
	- Epoxy or Adhesive Anchors Used in Horizontal or Overhead Position	C	See ICC-ES report
	- All Other Anchors Installed in Hardened Concrete or Masonry	P (except where C req'd by ICC-ES report)	See ICC-ES report

-- STRUCTURAL SPECIAL INSPECTION SCHEDULE --

	STRUCTURAL ITEM	FREQUENCY (C=continuous, P=periodic)	REFERENCE (2018 IBC Section, uon)
5	SOILS & FOUNDATIONS		1705.6, Table 1705.6, Geotech Report
	- Subgrade Adequacy	P (beneath fill and/or foundations)	Table 1705.6
	- Excavation Depth	P	Table 1705.6
	- Fill Materials	P	Table 1705.6
	- Fill Placement & Compaction	C	Table 1705.6

-- FOUNDATIONS & SUBGRADE --

1 SOIL ALLOWABLE BEARING PRESSURE: [ ] PSF (x 1.33 when subjected to wind or seismic loadings).

2 GEOTECHNICAL REPORT: Reference [ ] geotechnical report dated [ ] for subgrade preparation, backfill, compaction, wet weather work, and other recommendations. All provisions of the geotechnical report shall be enacted by the Contractor.

3 GEOTECHNICAL VERIFICATION: The Owner shall retain a geotechnical inspection agency to inspect the excavations and confirm that the provisions of the Geotechnical Report are followed. All recommendations of the geotechnical inspector shall be followed and communicated with the design team via inspection report. Contractor shall coordinate this inspection effort with the Owner.

4 UTILITIES: Utilities are not to pass through or beneath footings, stemwalls, and other concrete work on grade except as shown in specific details.

5 MISCELLANEOUS VERIFICATIONS: Verify sizes, slopes and locations of tunnels, electrical cells, pits, pipes, floor drains, trenches and floor recesses with architectural, mechanical and electrical contractors.

6 ALIGNMENT: All footings shall be centered below columns and walls, unless dimensioned otherwise.

7 BACKFILL: Do not backfill against below-grade walls until strength has been achieved and floor framing is in place.

8 FROST PROTECTION: Maintain minimum 1'-6" soil cover, measured from finished grade to the bottom of the footing, for perimeter wall foundations and isolated exterior foundations.

9 EXCAVATION SLOPE: Excavation slope shall not exceed that permitted by local regulation, except as specifically approved by the geotechnical engineer.

-- REINFORCED CONCRETE --

1 REFERENCED STANDARDS: Reinforced concrete shall conform to the requirements of the following documents, except as modified in these drawings.
- ACI 301-16 "Standards Specifications for Structural Concrete"
- ACI 318-14 "Building Code Requirements for Structural Concrete"

2 MATERIALS
- Conform to following concrete material schedule requirements.

-- CONCRETE MATERIAL SCHEDULE --

	f'c (PSI)	W/CM (MAX)	COARSE AGG (MAX)	AIR CONTENT	MIN FLY ASH AND/OR SLAG
BLDG STEMWALLS & FOOTINGS	4500	0.45	1"	SEE NOTES	20%
EXTERIOR SOG & EQUIP. PADS	4500	0.45	3/4"	6%	30%
INTERIOR SOG & EQUIP. PADS	3500	0.55	3/4"	-	20%
HYDRAULIC STRUCTURES (SEE ADDT'L REQ BELOW)	4500	0.45	3/4"	SEE NOTES	20%
EXTERIOR ELEVATED SLABS/LIDS	5000	0.45	3/4"	5%	20%

- Required concrete strength "f'c" shall be evaluated at 28 days (56 days OK for fly ash or slag concrete).
- Cementitious Materials: Provide Type IL Blended Hydraulic Cement per ASTM C595 for hydraulic structures. Provide Type I or II Cement per ASTM C150 (Type III OK for Precast) for all others. Cementitious materials for use in concrete exposed to soil or weather must meet or exceed the S1 exposure class per ACI 318-14 Table 19.3.2.1.
- Fly Ash: Class F per ASTM C618.
- Slag: GGBF Slag per ASTM C989, Grade 100 minimum.
- Air Entrainment: Provide air entrainment per concrete mix table +/- 1.5%, all other locations exposed to weather shall have air entrainment of 6% (+/- 1.5%).
- Typical Reinforcing Steel: ASTM A615, Grade 60
- Weldable Reinforcing Steel: ASTM A706, Grade 60
- Welded Wire Fabric: ASTM A185
- Mixes for hydraulic structues shall also satisfy the following:

A. Shrinkage reducing admixtures per ASTM C494 shall be added so that test mixes shall demonstrate shrinkage of no more than 400 microstrain at 7 days.

B. Air percentage shall be per the manufacturer of the shrinkage reducing admixture recommendation.

C. Hydraulic structure concrete shall contain a minimum of 500 pounds of cementitious materials per cubic yard.

D. For hydraulic structures, the requirement for stone aggregate shall not be waived.

3 SPLICES: All reinforcing steel lap splices are to be per typical schedule unless noted otherwise. All welded wire reinforcement lap slices shall be the greater of one space plus 2 inches or 6 inches, unless otherwise noted.

4 CONTINUITY: Horizontal reinforcing steel in walls and wall footings shall be continuous around corners, same size and spacing. At intersections of walls or footings, extend all bars as far as possible into continuous element and terminate with standard hook.

5 CLEAR COVER: Provide clear cover from outermost reinforcing to surface of concrete in accordance with the following:
- Elements cast against and permanently exposed to earth: 3" clr
- Elements formed and exposed to earth or weather: 2" clr (#6-#18), 1 1/2" clr (#3-#5)

6 ACCESSORIES: Provide all accessories, chairs, spacer bars and supports necessary to secure steel In accordance with ACI Code of Standard Practice.

-- REINFORCED CONCRETE --

7 CHAMFER: Chamfer all exposed corners and edges above grade per the Architect.

8 FORM STRIPPING: Do not strip forms until concrete has reached adequate strength.

9 SLEEVES / OPENINGS: Furnish and place all sleeves and openings as shown on the drawings or as specified.

10 REINFORCING FABRICATION: All reinforcing shall be shop fabricated. Exception: #3 or #4 bars may be field bent one time in any location, do not rebend or restraighten.

11 HOOKS: All hooked bars shall be a standard shop fabricated hook with bend radii and length per ACI 318, UON.

12 TESTING: Test cylinders shall be taken by qualified personnel according to ACI 318-14 Section 26.12

13 MEMBRANE: Provide vapor barrier (per arch/spec, 10-mil min where not otherwise specified) directly below slab-on-grade (above compacted fill), reinforce all seams and repair tears as necessary.

14 WEATHER PROVISIONS: Observe all ACI recommendations for hot or cold weather concreting cure slabs using an approved curing compound or wet cure system per ACI recommendations, with special consideration for slag and fly ash concrete as appropriate.

15 CONSTRUCTION JOINTS: All construction joint locations shall be submitted to the Architect for approval. Roughen joints to 1/4-inch minimum amplitude, remove all laitance. Soak joint continuously for 2 hours minimum, then remove all standing water, immediately prior to second pour. Unless noted otherwise, all reinforcing shall be spliced/continuous across the construction joints.

16 RIGID FOAM: Where rigid foam is indicated on plans to be placed below concrete slabs, it shall consist of cellular polystyrene conforming to ASTM D6817. Polystyrene shall have a minimum compressive resistance of 3.6 psi at 1 percent deformation unless otherwise noted. Secure foam in place per the manufacturer's recommendations. Offset joints between foam blocks 24" minimum between adjacent layers. At contractors option it is acceptable to substitute polystyrene conforming to ASTM C578 Type XIV rated for 40 psi compressive resistance at 10 percent deformation with a minimum thickness of 2" per layer.

-- STRUCTURAL MASONRY --

1 SPECIFICATION: Masonry construction and materials shall conform to all requirements of "Specification for Masonry Structures" (TMS 602-16), unless noted otherwise.

2 UNIT STRENGTH: The concrete masonry design is based on a specified compressive strength of masonry (f'm) of 1500 psi at 28 days. The compressive strength of masonry shall be determined by the unit strength method in accordance with TMS 602-16.

3 MATERIALS
- Hollow concrete masonry units: ASTM C90, Grade N, Type I, normal weight units, net area compressive strength of masonry units = 2150 psi
- Mortar: ASTM C270, Type S portland cement/lime mortar
- Grout: maximum aggregate size of 3/8", compressive strength equal or greater than the strength of masonry units at 28 days (AND not less than 2000 psi in any case)
- Reinforcing Steel: ASTM A615, Grade 60 typical (A706 for weldable bars)
- Portland Cement: Cement in mortar and grout shall contain 0.6% or less alkali by weight

4 DEVELOPMENT: All masonry reinforcing shall be developed and lapped in solid grout per typical schedule.

5 WALL GROUTING: All cells to be grouted solid.

6 POUR AND LIFT HEIGHTS: Maximum "pour height" shall not exceed 12'-0". Each "pour height" shall be divided into separate "lift heights" not to exceed 5'-4" each. Each "lift height" shall be individually consolidated (vibrated), including consolidation penetrating into the lower uncured lifts..

7 CLEANOUTS: Cleanouts are required in the bottom course of masonry for each grout pour when the "pour height" exceeds 5'-4". Cleanouts shall meet the criteria of TMS 602-16 Section 3.2F.

8 REINFORCEMENT ALIGNMENT: Vertical reinforcement shall be centered within cells unless noted otherwise. Use approved spacers to ensure alignment within cells. See details for other bar alignment criteria.

9 HORIZONTAL REINFORCEMENT: Horizontal reinforcement shall be tied to vertical reinforcement, continuous, and terminate with standard 180-degree hook around vertical bar at wall ends or jambs, or 90-degree bends extending one lap length at wall corners. Where CMU wall intersects with concrete wall, dowel all horizontal bars similar to typical corner or tee details.

10 STOPPAGE KEYS: When the grouting is stopped for one hour or longer, horizontal construction joints shall be formed by stopping the grout pour 1-1/2" below the top of the uppermost unit.

11 BOND BEAM MINIMUM REINFORCEMENT: Reinforce all bond beams with (2) #4 continuous bars, unless noted otherwise.

12 CLEAR COVER: Minimum clear cover from face of masonry to face of reinforcing shall be 1-1/2" minimum for #5 bars or smaller, and 2" minimum for #6 bars or larger. See details for typical reinforcement alignment.

13 CONTROL JOINTS: Refer to architectural and structural drawings for locations and details of vertical control joints. Verify all joint locations with Architect.

14 HOOKS: All hooked bars shall be a standard shop fabricated hook with bend radii and extension per TMS 402-16 Table 6.1.8

NO.	REVISIONS	BY	DATE
1	XXXXXXXXXXX	XXX	00/00/00

JOHN R. KING — STATE OF WASHINGTON — 57388 — REGISTERED PROFESSIONAL ENGINEER

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CITY OF SEQUIM
SEQUIM WASHINGTON

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

STRUCTURAL NOTES

DATE	SCALE	JOB NUMBER	SHEET	PAGE
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-- ANCHORAGE TO CONCRETE OR MASONRY --

1 MATERIALS (unless noted otherwise in the drawings)
- Concrete or grout must cure for a minimum of 21 days prior to drilling any holes or placing post-installed anchors.
- Anchor type shall be according to the drawings. All post-installed anchors installed in concrete shall have ICC-ES reports demonstrating IBC compliance for use in cracked concrete and for seismic loading. Substitutions not permitted without written permission by KW.
- Pre-approved Epoxy for post-installed threaded rod or reinforcing in concrete base material: HILTI HIT-RE 500 V3 or Simpson SET-3G.
- Pre-approved Epoxy for post-installed threaded rod or reinforcing in solid grouted CMU base material: HILTI HIT-HY 270.
- Pre-approved "Screw Anchors" in concrete base material: HILTI KH-EZ or Simpson Titen HD or DEWALT/Powers Screw-Bolt+.
- Pre-approved "Screw Anchors" in solid grouted CMU base material: HILTI KH-EZ or Simpson Titen HD or DEWALT/Powers Wedge-Bolt+.
- Post-installed or Cast-in-Place Threaded Rod (Anchor): ASTM A36
- Post-installed Reinforcing: ASTM A615 Grade 60

2 EMBEDMENT: Anchor embedment in base material shall be per the drawings, which shall govern over the typical values shown below. Where not otherwise indicated, provide embedment as follows:
- Epoxy to Concrete: Min Embed = 12 x (Rod/Bar Ø) for 5/8"Ø (#5) or smaller, 14 x (Rod/Bar Ø) for 3/4"Ø (#6) or larger
- Epoxy to Solid-Grouted CMU: Min Embed = 9 x (Rod/Bar Ø)
- Screw Anchor to Concrete: Min Embed = 9 x (Anchor Ø)
- Screw Anchor to Solid-Grouted CMU: Min Embed = 7.5 x (Anchor Ø)
- Cast-In-Place Anchor: Min Embed = 7" to top of embedded washer or hook

3 INSTALLATION: Post-installed anchor hole diameter, drilling depth, cleaning and installation procedure shall be in accordance with the current Manufacturer's Printed Installation Instructions (MPII) provided in the ICC/ES report. Holes shall be drilled with rotohammer equipment. Core-drilled holes are not permitted unless specifically noted otherwise.

4 COLD-WEATHER INSTALLATION: Do not use epoxy or adhesive anchors outside of their rated temperature range. Contact the Structural Engineer for alternate if the base material temperature may be less than 40 degrees during installation or curing.

5 CAST-IN-PLACE ANCHORS: Cast-in-place anchors shall have nut and washer at embedded end, UON. Anchors shall be affixed to the form to prevent movement during pouring, vibration, or set-up and shall not be "stabbed" into wet concrete or grout. Verify adequate length of exposed thread to fully engage all attached work.

6 FINISHES: All anchors used at exterior, or where subject to moisture, or where in contact with pressure treated wood, shall be hot-dip galvanized per ASTM A153 or stainless steel, including matching washers and nuts.

7 ANCHOR PLACEMENT IN CMU BASE MATERIAL: Where anchors are installed in face-of-wall condition, no holes shall be permitted within vertical (head) joints nor within 1 1/2" horizontal each way of head joints (exception: HILTI HIT-HY 70 may be used in or near fully-mortared head joints). Where anchors installed in top-of-wall condition, holes shall be drilled into grouted cores only (do not drill into head joints or block shell). Notify KW of any potential conflicts with head joints prior to shop drawing submittal. Anchors in hollow (ungrouted) CMU cells are not permitted UON.

8 REINFORCEMENT LOCATIONS: All post-installed anchors shall be located to avoid drilling into reinforcement, unless specifically approved by the Engineer. Reinforcement shall be placed with consideration for locations of post-installed anchors. Do not damage reinforcing during drilling operations.

-- STRUCTURAL STEEL --

1 REFERENCED STANDARDS: Fabrication, erection and dimensional tolerances of structural steel members shall be in accordance with AISC 303-16 "Code of Standard Practice for Steel Buildings and Bridges" and ASTM A6.

2 MATERIALS (unless otherwise noted on drawings)
- Wide Flange and WT shapes: ASTM A992, fy=50 ksi.
- Bolts: A307 unless noted otherwise.
- Welding Electrodes: E70XX
- Anchor Rods: ASTM F1554 Grade 36
- Angles / Channels / Plates / Rods / Miscellaneous: ASTM A36

3 WELDING: All welding to be performed by qualified welders and shall conform to A.W.S. D1.1.

4 PRIMING: All structural steel and miscellaneous metals shall be prime painted with minimum one (1) shop coat of primer (zinc-rich primer at exterior applications), except where hot-dip galvanized or specified otherwise by the architect. Touch up all disturbed areas.

5 PAINT SYSTEM: Paint system, where required, shall be per the Architect. Touch up all disturbed areas.

6 ERECTION: Contractor shall comply with all current OSHA/WISHA requirements concerning steel erection. This may require additional bolts, shims, guys, bracing, and other elements that are not detailed in the Contract Documents but remain the Contractor's responsibility to implement.

7 BOLT INSTALLATION: Bolts shall be snug-tightened (-ST) unless noted as "-SC". "-ST" bolts shall be tightened as needed to bring all plies of the connection into firm contact, achieved by a few impacts of an impact wrench or the full effort of an iron worker using an ordinary spud wrench. "-SC" bolts shall be pretensioned with Class A faying surfaces per the RCSC Spec.

8 BOLT HOLES: Bolt holes in steel shall be 1/16" larger than bolt diameter, except where specifically detailed otherwise.

9 GROUT: Grout for baseplates, sleeves, and embedded steel shall be an approved nonshrink cementitious grout containing natural aggregates delivered to the job site in factory prepackaged containers requiring only the addition of water. The minimum 28-day compressive strength shall be at least 1000 psi higher than the supporting concrete strength, UON. Grout shall be mixed, applied, and cured strictly in accordance with the manufacturer's printed instructions. For grouting under base plates, grout shall be proportioned as a flowable mix. When a flowable mix does not provide the required strength, an epoxy grout shall be used. Grout thickness shall be per the typical details.

-- WOOD FRAMING --

1 REFERENCED STANDARD: All work shall conform to 2021 IBC unless otherwise indicated.

2 MATERIALS (unless otherwise noted in the drawings)
- Outlookers & Sub Fascia: Hem Fir #2
- Sills / Plates: Hem Fir #2
- Blocking / Bridging: Hem Fir 'Stud'
- Bolts / Lags: ASTM A36 or A307, hex-head, washer under head & nut

3 MOISTURE CONTENT: All sawn lumber, including heavy timber, shall be kiln-dried to a maximum moisture content of 19%. For pressure-treated framing, kiln-drying shall occur after treatment.

4 NAILS: Nail sizes shown are 'common' (not 'box') uon. 8d = 0.131"x2.5", 10d = 0.148"x3", 12d = 0.148"x3.25", 16d = 0.162"x3.5". Typical nailing not otherwise shown in the drawings shall be per IBC Table 2304.10.1. Where nailing occurs in two or more rows, the on-center spacing indicated in the drawings shall be for each row. Where on-center nail spacing for a single row is less than 6" (for 12d and larger) or less than 4" (for 10d and smaller), stagger each row of nails into two rows offset by 1/2" min. All nails shall maintain 3/8" min to framing or sheathing edges.

5 HOLES: Bolt holes in wood for through-bolt connections shall equal bolt diameter plus 1/16" maximum, 1/32" minimum. Bolt holes in steel fixtures shall be per the steel section of these notes. Wood screws and lag screws (lag bolts) shall be hex head and shall have predrilled pilot holes equal to approximately 60% of the fastener diameter (70% for 7/8" and larger lag screws) and shall be installed by turning; do not hammer into hole. Soap lubrication on threads is acceptable. Provide cut washer beneath all hex heads and nuts uon.

6 SPLITTING: Though very tight nail and screw spacings are used in some locations on this project, splitting of wood members by driving nails or screws is not acceptable. If splitting occurs, or if splitting may occur as wood dries in place, predrill all holes as required to approximately 60% of the nail or screw diameter. Omission of predrilling for fasteners is at the Contractor's sole risk, and as such, all split members shall be replaced at the Contractor's sole expense.

7 ALTERATIONS: Do not notch any structural wood members. See typical detail for allowable hole locations and sizes (for mechanical or electrical utility passage).

8 SISTERING (BUILT-UP MULTIPLE STUDS AND BLOCKING): Where multiple 2x studs or blocking occur, each added ply after the first shall be sistered to the previous plies by face nailing. At shearwalls, sistering nails for studs or blocking shall be 0.148"x3" at spacing equal to 'EN' per schedule. At non-shearwall multiple studs, sistering nails shall be 0.148"x3" at 12" on-center, uon. Sistering nails shall be staggered in all instances.

9 CONNECTORS: Connectors and/or fasteners called out by letters & numbers in the drawings shall be manufactured by Simpson Strong-Tie, or approved equal. All connecting hardware shall be installed per the Manufacturer's recommendations and requirements, as per current catalog and related publications. Fill all fastener holes with the fastener type (diameter and length) indicated by the Manufacturer, uon. Where light-gage connector occurs at steel column, weld 1/8" all-around, uon.

10 PRESSURE TREATMENT: Except where specifically noted otherwise, the following member types shall be pressure treated in accordance with the following guidelines, in addition to any such members noted in the plans or details. Treatment shall be with waterborne preservatives in accordance with AWPA Standard U1 to the requirements of the "Use Category" as described below. Treatment shall be required regardless of use of sill seal or flashings.
- Interior wood against concrete or masonry: AWPA UC2
- Wood exposed to exterior, humidity, or within 8" of soil: AWPA UC3B
- Borate-treated lumber is acceptable in locations where protected from rainfall or other potential repeated moisture, such as sill plates in an enclosed wall cavity and interior ledgers.

11 FIELD TREATMENT: Field treat all cuts, ends, and holes in pressure treated lumber with copper naphthenate applied per manufacturer's recommendations.

12 EXTERIOR WOOD PROTECTION: Provide flashings, sealants and finishes per the Architect in order to protect all exterior wood surfaces and post/beam ends from moisture.

13 GALVANIZING: All steel components, hardware, or fasteners for wood framing members exposed to moisture, high humidity, or in contact with pressure treated lumber shall be hot-dip galvanized per ASTM A153. Light gage connectors shall be galvanized per ASTM A653, G185 minimum (Simpson "Z-max" or approved equal). The above described galvanizing requirements specifically include, but are not limited to: nails, screws, bolts, washers, nuts, anchor bolts, threaded rods, cast-in-place and post-installed anchors, Simpson hardware, and weldments. (Exception: not required for SBX/DOT borate-treated wood protected from weather.)

14 MEMBRANE PROTECTION: Where specified steel hardware in contact with pressure treated wood is unavailable in HDG or G185 finish, Grace Vycor (or approved eq) membrane shall be placed per manufacturer's recommendations to isolate the hardware from the treated wood. HDG fasteners shall be used in such instances.

15 SHEATHING: Place roof sheathing with face grain oriented in the direction of span. Offset adjacent rows of sheathing panels by 24" minimum, with all panel ends bearing on joists, beams, trusses or walls. Place cants or crickets over continuous basic roof sheathing with drilled vent holes per the Architect. Install wall sheathing in either the horizontal or up-right orientation. Adjust all sheathing layouts so that no panel is less than 24" in length or width. Where edges are not required to be blocked per schedule, provide Simpson PSCA clips at spacing per catalog recommendation. All sheathing shall be APA rated, with type/blocking/fastening per the following schedule. Provide 1/8" gaps between abutting sheet edges, typical.

16 SHEATHING FASTENING: Minimum nailing per the following schedule shall apply at all locations, except where larger nails and/or smaller spacing are required by plans or details. Shearwall nailing is shown by schedule on the plans. Where "boundary nailing" (BN) and/or "edge nailing" (EN) are referenced in these drawings, panel edge values per the schedule shall apply. Blocking for edges shall be 2x4 flat, minimum, unless a greater size is required to avoid splitting. See plans for zones of special nailing requirements.

-- WOOD SHEATHING SCHEDULE --

USE	TYPE	BLOCK EDGES	MIN EDGE NAILING	MIN FIELD NAILING
Roof	15/32" PLY	No	8d @ 6" (BN)	8d @ 12"

-- METAL PLATE CONNECTED WOOD TRUSSES (MPCWT's) --

1 REFERENCED STANDARDS: The design, manufacture, and quality assurance of MPCWT shall be in accordance with ANSI/TPI 1-14. In addition, all requirements of 2018 IBC Section 2303.4 shall be satisfied.

2 SUBMITTAL PACKAGE: The truss submittal package provided by the manufacturer shall consist of individual truss design drawings (including cricket overframing), a truss placement diagram, truss member permanent bracing plan and details, any other structural details germane to the trusses, and sealed cover sheet/truss index sheet.

3 DESIGN / PLACEMENT DRAWINGS: The truss design drawings for each individual truss shall include all information required by IBC Section 2303.4.1.1. The truss placement diagram shall be in accordance with IBC Section 2303.4.2.

4 LOADS: Trusses shall be designed by the manufacturer for the following minimum non-superimposed loads, in addition to roof live, snow, seismic and/or wind loads indicated elsewhere in these drawings or notes: Top Chord Dead Load = 7 psf, Bottom Chord Dead Load = 8 psf, Bottom Chord Live Load = 10 psf. See plan and details for additional special loads. Contractor shall coordinate locations and amplitudes of special loads prior to shop drawing submittal.

5 COMPONENT / CONNECTION DESIGN: The truss designer is responsible for all the design of all truss components and connections as required to form a fully functional roof system, except where specifically detailed in these drawings.

6 DEFLECTION: Deflection of roof trusses shall not exceed L/360 or 1 inch for live or snow load, nor L/240 for total load.

7 PERMANENT BRACING: Truss manufacturer shall design and provide all components required for permanent bracing of the truss system. Permanent bracing shall conform to IBC Section 2303.4.1.2 and the WTCA/TPI "Building Component Safety Information" (BCSI) guide, current edition. The bracing design shall include, but not be limited to: plan layout, bracing sizes, "scabs" or other reinforcement, connections of braces to chords, web members, and supporting structure. The bracing design shall be clearly indicated in the truss submittal package.

8 SPACING: MPCWT spacing indicated on plans shall be considered to be a maximum allowable and shall be decreased as required to meet zones of higher loading (including but not limited to snow drift or mechanical unit loads).

9 MULTI-PLY TRUSSES: Multiple ply (girder) trusses, where required by plan and/or by the manufacturer's engineer, shall be sistered per the manufacturer to ensure equal load distribution between members.

10 MEP COORDINATION: See Specifications and Mechanical Drawings for critical duct locations/sizes that may affect truss profiles and design parameters. General Contractor shall coordinate all such requirements and all special circumstances shall be clearly indicated in the truss submittal package. See General Notes for additional coordination responsibilities.

NO.	REVISIONS	BY	DATE
1	XXXXXXXXXXXX	XXX	00/00/00

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STRUCTURAL NOTES CONT'D

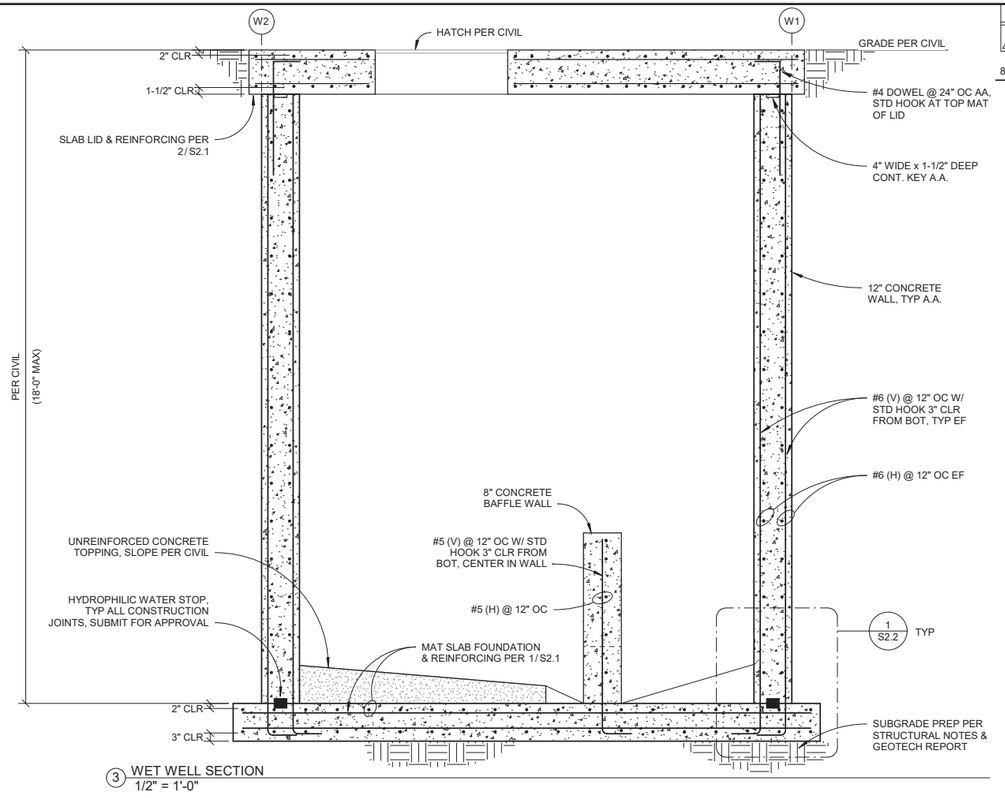
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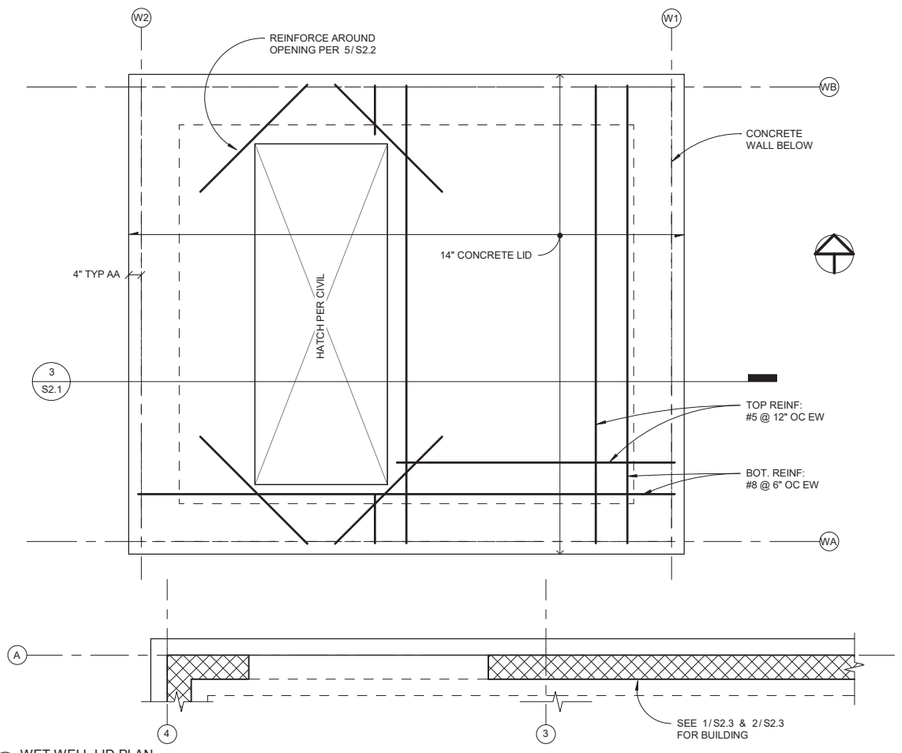
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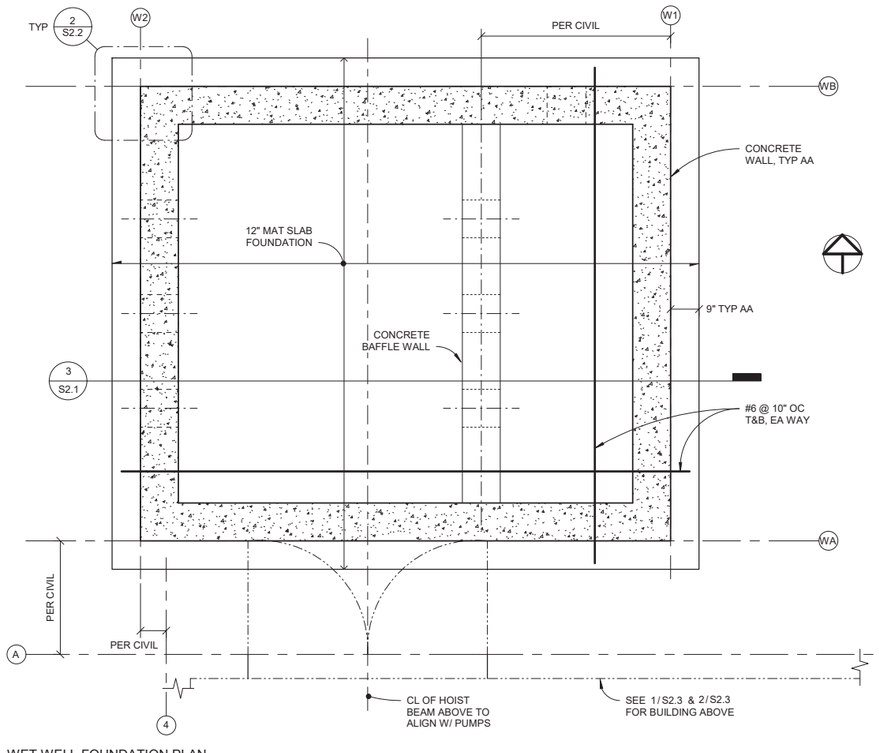
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3 WET WELL SECTION
1/2" = 1'-0"



2 WET WELL LID PLAN
1/2" = 1'-0"



1 WET WELL FOUNDATION PLAN
1/2" = 1'-0"

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WEST SEQUIM BAY ROAD CORRIDOR PROJECT

SEQUIM WASHINGTON

WET WELL PLANS & SECTION

DATE	SCALE	JOB NUMBER
23-FEB-2024	1/2" = 1'-0" (on 22"x34")	Wilson: 2200-070 KW: 23060

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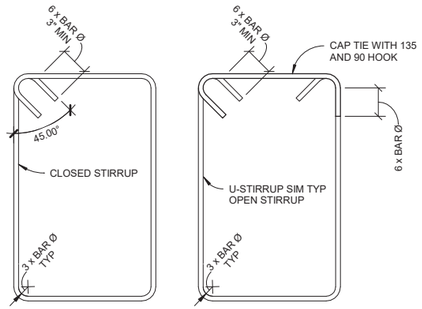
JOHN R. KING — STATE OF WASHINGTON — 57388 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER

4,500 PSI CONCRETE

	DEVELOPMENT LENGTHS (Ld)		LAP SPLICE LENGTHS (Ls)	
BAR SIZE	TOP	OTHER	TOP	OTHER
#3	16 in	12 in	18 in	16 in
#4	20 in	15 in	24 in	20 in
#5	28 in	22 in	36 in	28 in
#6	38 in	30 in	50 in	38 in
#7	60 in	46 in	78 in	60 in
#8	74 in	57 in	96 in	74 in
#9	90 in	69 in	116 in	90 in
#10	108 in	83 in	140 in	108 in
#11	126 in	97 in	164 in	126 in

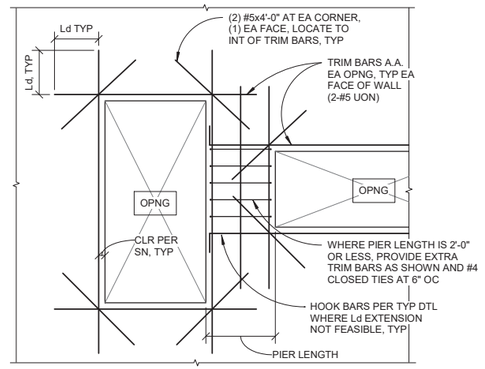
NOTES
1. TABULATED VALUES ARE APPLICABLE FOR GRADE 60 UNCOATED REINF BARS.
2. BAR C/C SPACING MUST BE GREATER THAN TWICE THE BAR DIAMETER AND COVER GREATER THAN ONE BAR DIAMETER.
3. "TOP" BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 12 INCHES OF FRESH CONCRETE CAST BELOW THE BARS, INCLUDING WALL HORIZONTALS.
4. AT LOCATIONS WHERE Ld IS CALLED OUT BUT CANNOT BE ACHIEVED, EXTEND BAR AS FAR AS POSSIBLE AND PROVIDE STANDARD HOOK PER TYP DETAIL.

7 TYP CONCRETE REINFORCING DEVELOPMENT / SPLICE LENGTHS
3/4" = 1'-0"



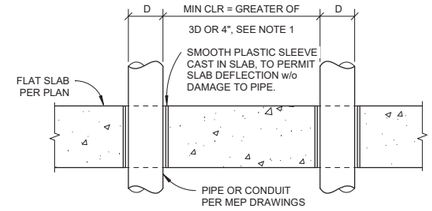
TYP CLOSED STIRRUP **TYP CLOSED STIRRUP (ALT)**

6 TYP CONCRETE BEAM STIRRUPS
1 1/2" = 1'-0"



NOTES
1. DETAIL APPLIES TO ALL OPENINGS WITH EITHER HEIGHT OR WIDTH GREATER THAN 2'-0".
2. Ld IS DEVELOPMENT LENGTH PER TYPICAL DETAILS.
3. REINF SHOWN ABOVE IS TYP MINIMUM. OMIT ADDED REINFORCEMENT ABOVE WHEN SPECIAL REINF INDICATED ON PLANS OR DETAILS EXCEEDS THIS REINF.
4. CONTRACTOR SHALL VERIFY ALL OPENINGS NOT SHOWN IN THE STRUCTURAL DRAWINGS WITH THE STRUCTURAL ENGINEER PRIOR TO SUBMITTAL DEVELOPMENT AND INSTALLATION.

5 TYP LARGE PENETRATIONS IN CONCRETE
1/2" = 1'-0"

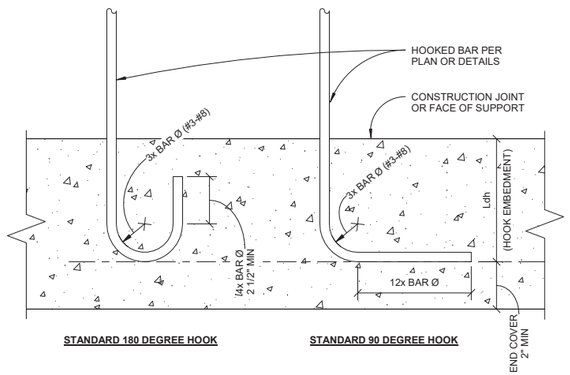


NOTES
1. IF MINIMUM CLR SPACING CANNOT BE ACHIEVED, REINF AROUND COMBINED EXTENTS PER TYP LARGE OPENING DETAIL.
2. DETAIL APPLIES TO D= 9" OR LESS.

4 TYP SMALL PENETRATIONS IN CONCRETE
3/4" = 1'-0"

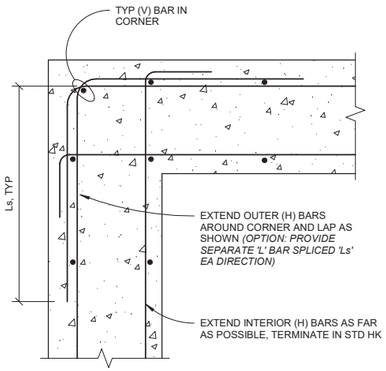
	STANDARD HOOK EMBEDMENT (Ldh)
	CONC DESIGN STRENGTH (f'c)
BAR SIZE	4,500 PSI
#3	6"
#4	7"
#5	9"
#6	10"
#7	12"
#8	14"

NOTES
1. FOR CONC STRENGTHS NOT INDICATED, USE NEXT LOWEST TABULATED f'c VALUE.
2. PROVIDE 2 1/2" SIDE COVER AND 2" END COVER FOR HOOKS.
3. TABULATED VALUES ARE APPLICABLE FOR GRADE 60 UNCOATED REINF BARS.



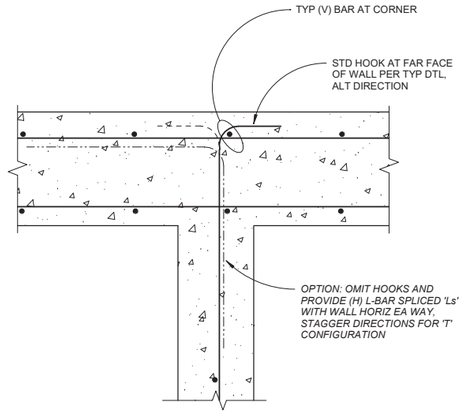
STANDARD 180 DEGREE HOOK **STANDARD 90 DEGREE HOOK**

3 TYP CONCRETE REINFORCING STANDARD HOOKS
3" = 1'-0"



WALL CORNER - TWO LAYERS REINF

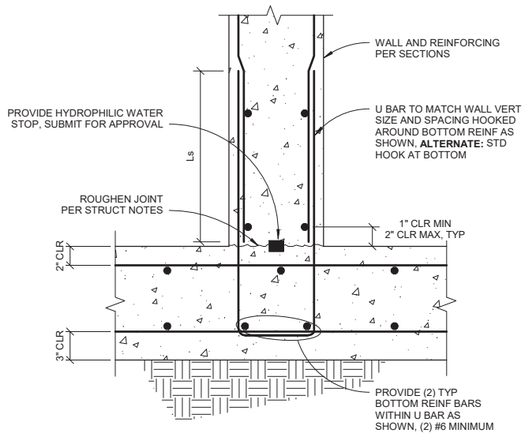
WALL REINF CONFIGURATION NOTES
1. SEE STRUCTURAL NOTES FOR REQUIRED CLEARANCES.
2. WALL REINFORCING SHALL BE PER PLANS
3. IN TWO LAYER WALLS LOCATE WALL (V) BARS OUTBOARD OF WALL (H) BARS (UON).
4. IN SINGLE LAYER WALLS LOCATE WALL (V) BARS AT THE WALL CENTERLINE (UON).
5. ALL WALL (V) REINFORCING SHALL BE CONTINUOUS FULL HEIGHT (UON) AND DOWELED TO FOUNDATION PER TYP DETAILS.
6. WALL (H) BARS SHALL USE THE TOP BAR LAP LENGTHS.



WALL INTERSECTION- ONE LAYER REINF TEES WITH TWO LAYERS REINF

2 TYP CONCRETE WALL REINFORCING AT CORNERS & INTERSECTIONS
1 1/2" = 1'-0"

NOTE SEE PLANS AND STRUCTURAL NOTES FOR REQUIRED CLEARANCES OF REINF IN SLAB AND WALL.



1 TYP CONCRETE WALL REINFORCING TO MAT SLAB
1 1/2" = 1'-0"

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CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

WET WELL STRUCTURAL DETAILS

SEQUIM WASHINGTON

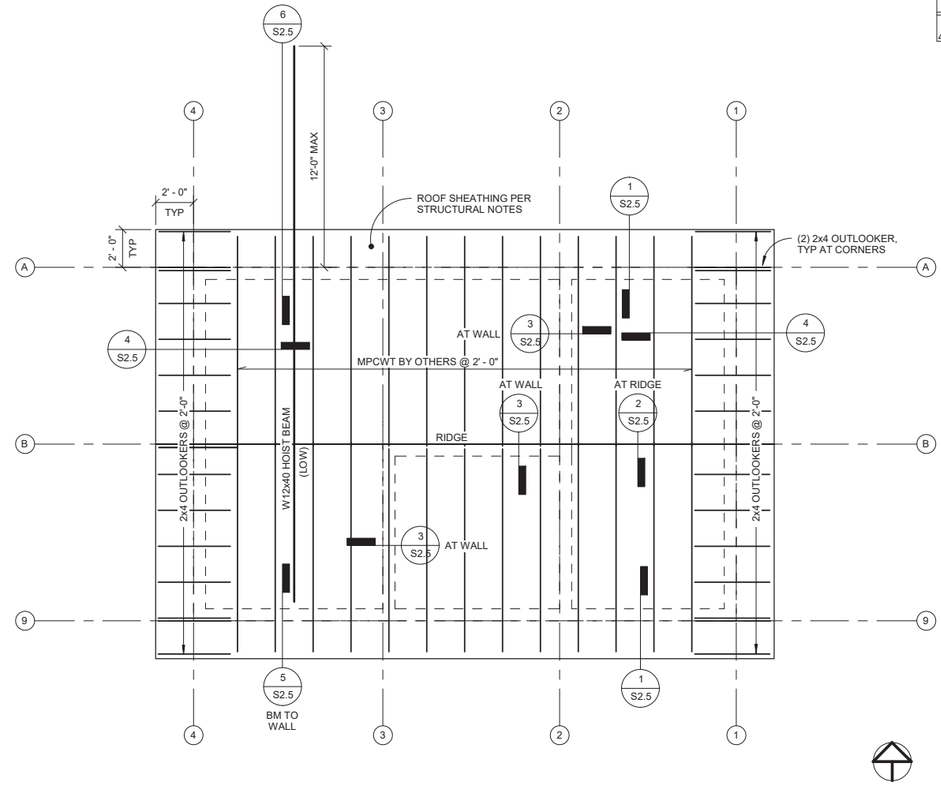
DATE	SCALE	JOB NUMBER
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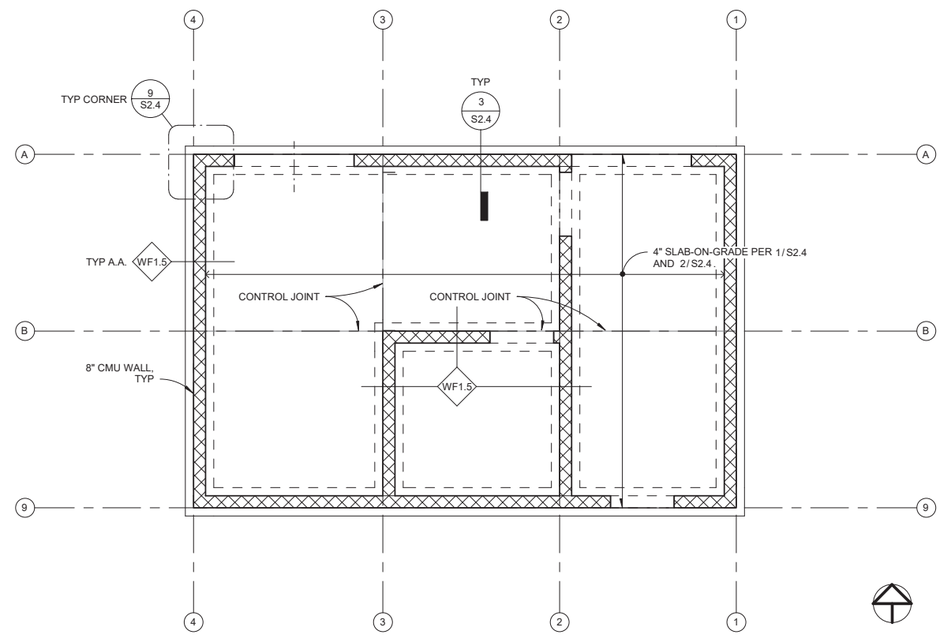
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2 BUILDING ROOF FRAMING PLAN
1/4" = 1'-0"



1 BUILDING FOUNDATION PLAN
1/4" = 1'-0"

FOOTING SCHEDULE					
MARK	SIZE	DEPTH	REINFORCING	DESCRIPTION	DETAIL REF
WF1.5	1'-6"	10"	(2) #4 CONT. LONGITUDINAL	CONT. WALL FOOTING	3/S2.3

NO.	REVISIONS	BY	DATE
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DESIGNED BY THeidersdorf
DRAWN BY GKinney
CHECKED BY THeidersdorf

CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

BUILDING FOUNDATION AND ROOF FRAMING PLANS

SEQUIM WASHINGTON

DATE 23-FEB-2024
SCALE 1/4" = 1'-0" (on 22"x34")
JOB NUMBER Wilson: 2200-070 KW: 23060

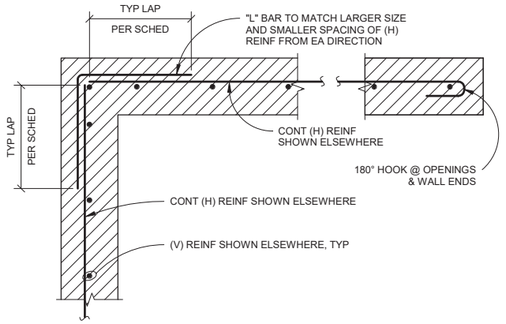
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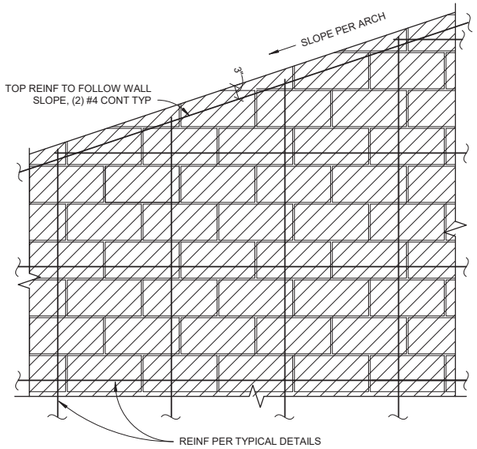
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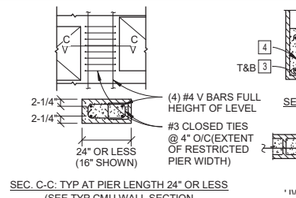
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OPENING REINF. TO BE DETERMINED

1 DOWEL ALL (V) BARS, LAP PER SCHEDULE.

2 JAMB REINF. PER SCHED AND SEC. B-B. EXTEND JAMB REINF. FULL STORY HT. OR AS FAR AS POSSIBLE TERMINATING IN 180 DEG HOOK. JAMB REINF. IS IN ADDITION TO TYP V REINF.

3 LINTEL FLEXURAL REINF. PER SCHED AND SEC A-A., LINTEL REINF. IS IN ADDITON TO TYP H REINF.

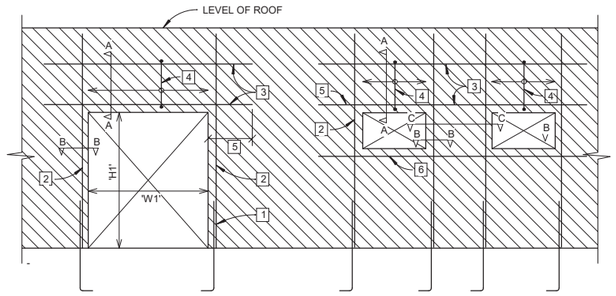
4 LINTEL SHEAR REINF PER SCHED AND SEC. A-A, IN ADDITION TO FULL HT (V) REINF (NOT SHOWN). USE (1) LEG STIRRUP FOR 8" WALL

5 EXTEND (1) LAP LENGTH BEYOND R.O. OR AS FAR AS POSSIBLE W/ 180-DEG HOOK AROUND (V) END / CORNER BAR, TYP.

NOTES:
1) ALL REINF SHOWN IS MINIMUM @ OPENINGS ONLY: SEE ELEVATIONS AND DETAILS FOR TYPICAL WALL REINF.
2) FOR OPENINGS LESS THAN 30" SQUARE INTERUPT TYPICAL REINF. AND PROVIDE BARS SIM TO ITEM 6 AT T,B,&SIDES.

SCHEDULE

'W1'	MIN. REQ'D 'D'	MIN. REQ'D 'JW'	JAMB REINF. [2]	LINTEL REINF. [3]	LINTEL STIRRUPS [4]
< 4'-0"	24"	8" (1 CELL)	(1)#5	(2)#5 T&B	#4@16" O/C
≥ 7'-0"	24"	16"(2 CELLS)	(1)#5 EA. CELL	(2)#5 T&B	#4@ 16" O/C



9 TYP CMU WALL CORNER & END DETAIL
3/4" = 1'-0"

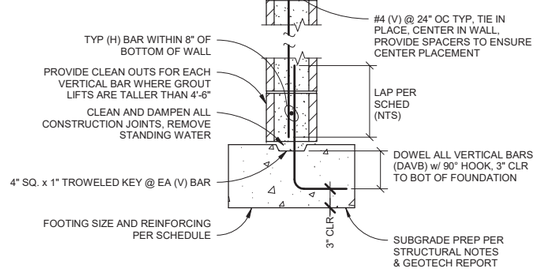
MASONRY LAP SPLICE LENGTH / DEVELOPMENT LENGTH 'LD' (INCHES)		
BAR SIZE	SMALLER OF BAR COVER TO NEAREST EXT. FACE AND BAR CLEAR SPACING	
	1.5"	3.5"
#3	19"	12"
#4	34"	15"
#5	53"	23"

NOTES
1. POSITION ALL BARS IN WALLS PER DETAILS.
2. PROVIDE 1/2" MIN. GROUT COVER BETWEEN REBAR AND MASONRY UNIT WALL.
3. PROVIDE 1-1/2" MIN. COVER FROM OUTSIDE FACE OF MASONRY.
4. PROVIDE 1-1/2" MIN. CLEAR SPACE BETWEEN PARALLEL BARS.
5. TABLE BASED ON Fy=60,000 psi / F'm=1500 psi.

4 MASONRY LAP SCHEDULE
1 1/2" = 1'-0"

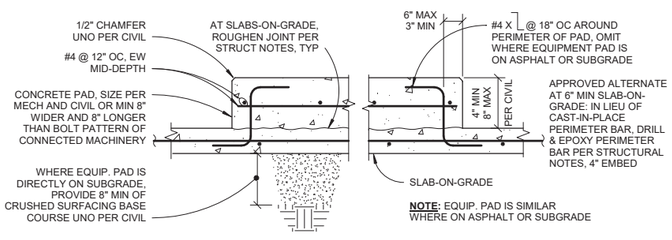
8 TYP SLOPING TOP OF CMU WALL
3/4" = 1'-0"

NOTES
1. GROUT SOLID ALL CELLS.
2. TYPICAL REINF SHOWN IS MINIMUM FOR ALL CMU WALLS. WHERE GREATER SIZE OR QUANTITY OF REINF PER DETAILS ELSEWHERE ARE SHOWN, THOSE SHALL GOVERN OVER TYP REINF.
3. ALL BARS CONT, UON.
4. TERMINATE ALL (H) BARS W/ 180° HOOKS AROUND (V) BARS AT JAMBS AND ENDS.
5. PROVIDE ADD'L (H) #5 ABOVE AND BELOW ALL OPENINGS, EXTEND (1) LAP LENGTH EW BEYOND RO OR AS FAR AS POSSIBLE W/ 180-DEG HOOK AROUND (V) END / CORNER BAR (UNLESS GREATER AMOUNT OF REINF SHOWN ELSEWHERE).
6. (H) AND (V) BAR SPACING SHALL NOT EXCEED 'L'/3, WHERE 'L' = LENGTH OF WALL PIER BETWEEN OPENINGS OR FROM OPENING TO END OF WALL OR CORNER.

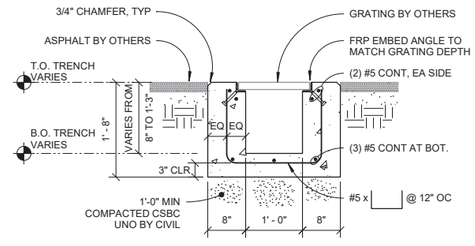


3 TYP CMU WALL SECTION
1" = 1'-0"

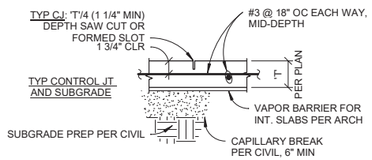
7 TYP CMU WALL OPENING REINFORCING
1/4" = 1'-0"



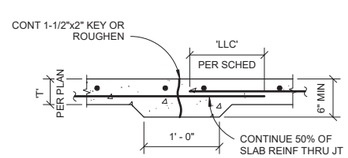
6 TYP EQUIPMENT PAD
1" = 1'-0"



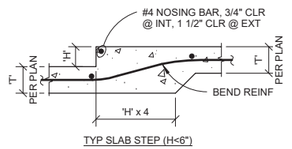
5 TYP ELECTRICAL TRENCH
3/4" = 1'-0"



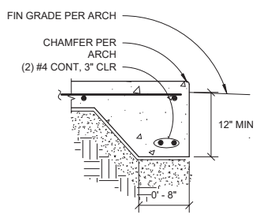
TYP SLAB



TYP CONSTRUCTION JT.

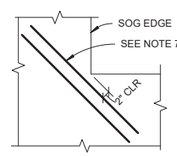


TYP SLAB STEP (H<6")

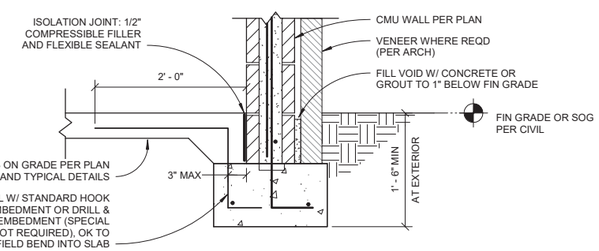


TYP THICKENED SLAB EDGE

NOTES
1. UNLESS A JOINTING PLAN IS PROVIDED, PLACE CONTROL JOINTS AND CONST JOINTS AT NO MORE THAN 12'-0" O/C, EW. ALIGN JOINTS WITH COLS AND SLAB CORNERS WHERE POSSIBLE.
2. CUT CJ's AFTER CONC HAS SUFFICIENTLY HARDENED TO PREVENT SPALLING OR TEARING BUT NO MORE THAN 12 HOURS AFTER POUR.
3. SUBMIT A SLAB PLAN SHOWING CONTROL & CONSTRUCTION JOINT LAYOUT AND POUR SEQUENCE FOR APPROVAL (EXCEPT WHERE PROVIDED).
4. THE SUBGRADE SHOWN ABOVE SHALL BE THE MINIMUM REQUIRED AT ANY LOCATION, AND SHALL BE INCREASED OR MODIFIED AS RECOMMENDED IN THE GEOTECH. REPORT.
5. SEE SPEC AND ARCH/MECH/CIVIL DRAWINGS FOR SLAB EXTENTS, SLOPES, STEPS, DRAINS, ELEVATIONS, CHAMFERS, FINISHES AND OTHER RELATED INFORMATION. MAINTAIN MIN THICKNESS PER PLAN THROUGHOUT.
6. WHERE SINGLE PENETRATION (OR COMBINED GROUPING OF MULTIPLE PENETRATIONS, SUCH AS AT GROUPS OF PIPES OR CONDUIT) LARGER THAN 0'-10" ANY DIRECTION, PROVIDE ADD'L #3 EA SIDE EXTENDING 18" MIN BEYOND THE PENETRATION EXTENTS.
7. AT INT CORNERS, PROVIDE (2) ADD'L #3x36" @ 2" O/C, PLACED AT 45-DEG AND 2" CLR TO THE INT CORNER OF SOG.



TYP INT SLAB CORNER ADD'L REINF



SLAB AT INTERIOR CMU WALL

SLAB AT EXTERIOR CMU WALL

2 TYP INTERIOR SLAB-ON-GRADE AT CMU WALL
1" = 1'-0"

1 TYP INTERIOR SLAB-ON-GRADE DETAILS
1" = 1'-0"

NO.	REVISIONS	BY	DATE
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JOHN R. KING
STATE OF WASHINGTON
57388
REGISTERED PROFESSIONAL ENGINEER

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DRAWN BY CKinney
CHECKED BY THeidersdorf

CITY OF SEQUIM
SEQUIM WASHINGTON
WEST SEQUIM BAY ROAD CORRIDOR PROJECT
BUILDING FOUNDATION & CMU DETAILS

DATE 23-FEB-2024
SCALE As indicated (on 22"x34")
JOB NUMBER Wilson: 2200-070 KW: 23060

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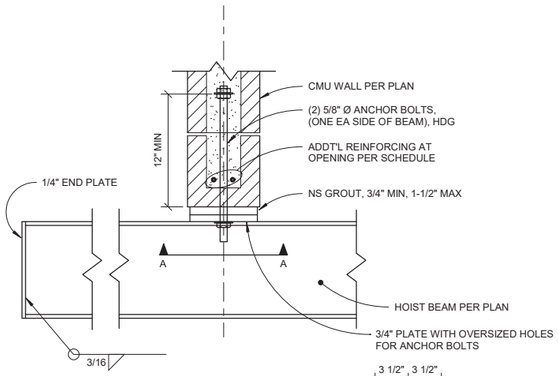
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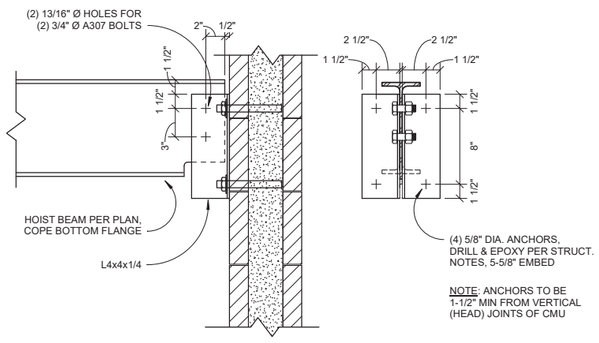
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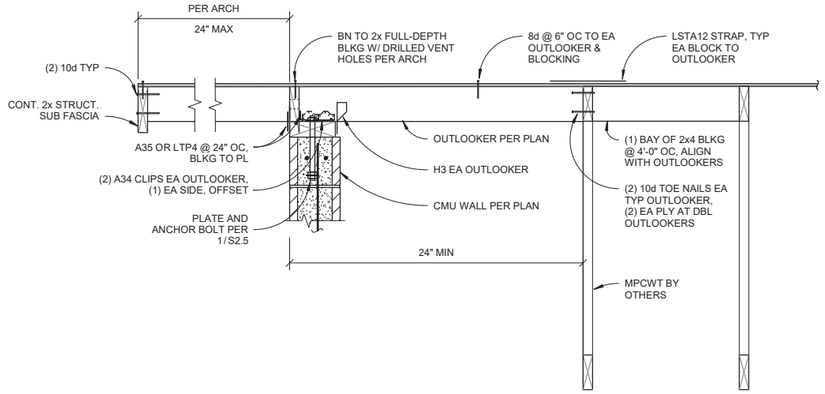
SECTION A-A

6 HOIST BEAM TO UNDERSIDE OF CMU LINTEL
1 1/2" = 1'-0"

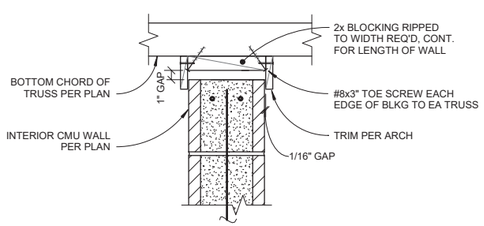


NOTE: ANCHORS TO BE 1-1/2" MIN FROM VERTICAL (HEAD) JOINTS OF CMU

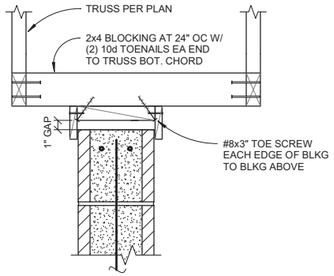
5 HOIST BEAM TO FACE OF CMU WALL
1 1/2" = 1'-0"



4 TYP ROOF OUTLOOKERS
1" = 1'-0"

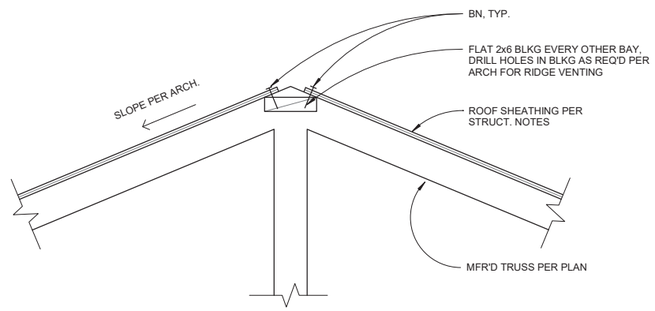


TRUSS PERP. TO WALL

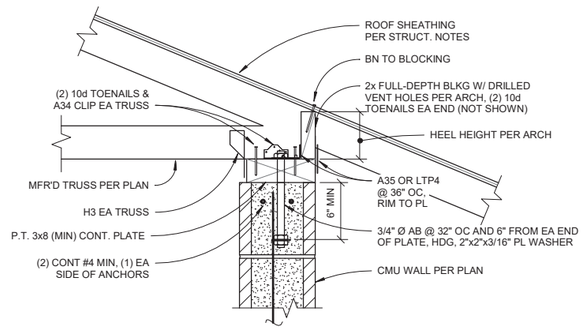


TRUSS PARALLEL TO WALL
(SIM. EXCEPT AS NOTED)

3 TYP ROOF TRUSS AT INT. NON-BEARING WALLS
1 1/2" = 1'-0"



2 TYP ROOF TRUSS RIDGE
1 1/2" = 1'-0"



1 TYP ROOF TRUSS AT BEARING
1 1/2" = 1'-0"

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CITY OF SEQUIM
SEQUIM WASHINGTON

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

BUILDING ROOF DETAILS

DATE	SCALE	JOB NUMBER	SHEET	PAGE
23-FEB-2024	As indicated (on 22"x34")	Wilson 2206-070 KW: 23060	S2.5	OF

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GENERAL LEGEND

- NORTH ARROW
- DETAIL/DRAWING REFERENCE
- SECTION REFERENCE
- CONSTRUCTION NOTE
- REVISION SYMBOL
- POINT OF CONNECTION
- BOLD LINE WEIGHT INDICATES NEW WORK
- LIGHT LINE WEIGHT INDICATES EXISTING WORK
- SLASHED LINE INDICATES EXISTING WORK TO BE DEMOLISHED

HVAC DUCTWORK LEGEND

SINGLE LINE DUCTWORK INDICATES
VIEW DIMENSION LESS THAN 12 INCHES

- SUPPLY OR EXHAUST TAKEOFF
- SUPPLY DUCT TURNING TOWARD
- SUPPLY DUCT TURNING AWAY
- EXHAUST DUCT TURNING TOWARD
- EXHAUST DUCT TURNING AWAY
- ROUND DUCT TURNING TOWARD
- ROUND DUCT TURNING AWAY
- TRANSITION
- MOTORIZED DAMPER
- VOLUME DAMPER
- BACKDRAFT DAMPER
- FLEXIBLE CONNECTION
- TURNING VANES
- FLEXIBLE DUCT
- SUPPLY DIFFUSER
- RETURN GRILLE
- EXHAUST GRILLE
- THERMOSTAT
- EQUIPMENT TAG

HVAC PIPING LEGEND

- PIPING IDENTIFIER, SEE ABBREVIATIONS
- ELBOW DOWN
- ELBOW UP
- TEE
- TEE DN
- TEE UP
- ISOLATION OR SHUT-OFF VALVE (NO), TYPE AS SPECIFIED
- ISOLATION OR SHUT-OFF VALVE (NC), TYPE AS SPECIFIED
- CHECK VALVE
- ISOLATION OR SHUT-OFF VALVE (NO), TYPE AS SPECIFIED
- ISOLATION OR SHUT-OFF VALVE (NC), TYPE AS SPECIFIED
- PRESSURE REDUCING VALVE
- CAP
- REDUCER

GENERAL ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
ARCH	ARCHITECT
BAL	BALANCING
BLDG	BUILDING
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNITS PER HOUR
CAP	CAPACITY
DEG	DEGREE
DIA	DIAMETER
DIM	DIMENSION
DISCH	DISCHARGE
DN	DOWN
DR	DRAIN
DWG	DRAWING
EFF	EFFICIENCY
ELEC	ELECTRICAL ENGINEER
ENT	ENTERING
EQ	EQUAL
EQUIP	EQUIPMENT
EX, (E)	EXISTING
EXP	EXPOSED
F	FAHRENHEIT
FIO	FURNISHED & INSTALLED BY OWNER
FLEX	FLEXIBLE
FLR	FLOOR
FOIC	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
FP	FIRE PROTECTION; FREEZE PROTECTION
FT	FEET; FOOT; FEET OF WATER(PRESS)
GA	GAGE; GAUGE
GAL	GALLON
GC	GENERAL CONTRACTOR
GEN	GENERAL
H	HEIGHT; HIGH
HOR	HORIZONTAL
HP	HORSE POWER
HR	HOUR
HZ	HERTZ
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IMC	INTERNATIONAL MECHANICAL CODE
IN	INCH
INSUL	INSULATE; INSULATION
KW	KILOWATT
L	LENGTH; LONG (DIM)
LAV	LAVATORY
MAT	MATERIAL
MAX	MAXIMUM
MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
MECH	MECHANICAL; MECHANICAL CONTRACTOR
MED	MEDIUM
MFG	MANUFACTURING
MFR	MANUFACTURER
MIN	MINIMUM; MINUTE
N	NORTH
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN; NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER; OVERALL DIMENSION
PERP	PERPENDICULAR
PH	PHASE
POC	POINT OF CONNECTION
PRELIM	PRELIMINARY
QTY	QUANTITY
REF	REFERENCE
REFR	REFRIGERATION
REQD	REQUIRED
RET	RETURN
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
S	SOUTH
SCHED	SCHEDULE
SECT	SECTION
SF	SQUARE FEET
SPEC	SPECIFICATION
STD	STANDARD
TBD	TO BE DETERMINED
TEMP	TEMPERATURE
THRU	THROUGH
TYP	TYPICAL
UBC	UNIFORM BUILDING CODE
UL	UNDERWRITER'S LABORATORY
V	VOLT
VAR	VARIABLE
VEL	VELOCITY
VOL	VOLUME
W	WATER; WIDE(DIM); WATT
W/	WITH
W/O	WITHOUT
WT	WEIGHT
YD	YARD
YR	YEAR

HVAC ABBREVIATIONS

AC	AIR CONDITIONING
AHU	AIR HANDLING UNIT
BDD	BACKDRAFT DAMPER
BHP	BRAKE HORSEPOWER
CC	COOLING COIL
CFM	CUBIC FEET PER MINUTE
DB	DRY BULB TEMPERATURE(°F)
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EF	EXHAUST FAN
EG	EXHAUST GRILLE
EXH	EXHAUST
FPM	FEET PER MINUTE
GALV	GALVANIZED
GR	GRILLE
HC	HEATING COIL
IMC	INTERNATIONAL MECHANICAL CODE
LAT	LEAVING AIR TEMPERATURE
MA	MIXED AIR
OA	OUTSIDE AIR
OAT	OUTSIDE AIR TEMPERATURE
OSA	OUTSIDE AIR
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION (GAS)
T, TSTAT	THERMOSTAT
UMC	UNIFORM MECHANICAL CODE
UH	UNIT HEATER
VENT	VENTILATE; VENTILATION
VD	VOLUME DAMPER
W	MOTION SENOR WALL SWITCH
WSEC	WASHINGTON STATE ENERGY CODE
WSNEC	WASHINGTON STATE NON-RESIDENTIAL ENERGY CODE
WB	WET BULB TEMPERATURE(°F)

GENERAL CONSTRUCTION NOTES

1. PLANS ARE DIAGRAMMATIC AND DO NOT SHOW ALL BRANCHES, VALVES, SPECIALTIES AND EQUIPMENT.
2. FIELD VERIFY EXACT LOCATIONS EQUIPMENT, PIPING, DUCTWORK AND ALL APPURTENANCES BEFORE INSTALLATION.

2021 WASHINGTON STATE ENERGY CODE NOTES

1. MECHANICAL SYSTEMS ARE EXEMPT FROM THE COMMISSIONING PROCESS PER SECTION C408.1 EXCEPTION 1 AND AND WATER HEATING SYSTEMS ARE EXEMPT FROM THE COMMISSIONING PROCESS PER SECTION C408.1 EXCEPTION 2.
2. PROVIDE CLOSE OUT DOCUMENTATION AND TRAINING OF BUILDING OPERATIONS PERSONNEL FOR ALL MECHANICAL COMPONENTS IN ACCORDANCE WITH SECTION C103.6. SEE SPECIFICATIONS FOR MORE INFORMATION.
3. EACH SUPPLY AIR OUTLET AND ZONE TERMINAL DEVICE SHALL BE EQUIPPED WITH MEANS FOR AIR BALANCING PER SECTION C408.2.2.1. SEE SPECIFICATIONS FOR DETAILS.
4. BALANCE ALL HVAC SYSTEMS IN ACCORDANCE WITH SECTION C408.2.2, GENERALLY ACCEPTED ENGINEERING STANDARDS AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. SEE SPECIFICATION SECTION 23 05 93 AND ALL OTHER APPLICABLE SPECIFICATION SECTIONS.
5. ALL DUCTWORK SHALL BE CONSTRUCTED AND ERECTED PER THE INTERNATIONAL MECHANICAL CODE 2021 EDITION. SEE SECTION C403.10.2 OF THE 2021 WASHINGTON STATE ENERGY CODE AND SPECIFICATIONS FOR MORE INFORMATION.
6. ALL NEW DUCTWORK IS LOW PRESSURE.
7. ALL DUCTS AND PLENUMS THAT ARE PART OF AN HVAC SYSTEM SHALL BE THERMALLY INSULATED IN ACCORDANCE WITH TABLE C403.10.1.1 OR C403.10.1.2. SEE SPECIFICATIONS FOR MORE INFORMATION.
8. ALL PIPING SERVING AS PART OF A HEATING OR COOLING SYSTEM SHALL BE THERMALLY INSULATED IN ACCORDANCE WITH TABLE C403.10.3. SEE SPECIFICATIONS FOR MORE INFORMATION.
9. PROVIDE CONTROLS IN ACCORDANCE WITH SECTION C403.4 AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

DRAWING INDEX

H0.1	HVAC LEGEND, ABBREVIATIONS AND GENERAL NOTES
H1.0	UNDERGROUND FLOOR HVAC PLAN
H1.1	LEVEL 1 FLOOR HVAC PLAN
H3.1	HVAC SCHEDULES
P0.1	PLUMBING LEGEND, ABBREVIATIONS AND GENERAL NOTES
P1.0	UNDERGROUND FLOOR PLUMBING PLAN
P1.1	LEVEL 1 FLOOR PLUMBING PLAN
P1.2	ROOF PLUMBING PLAN
P3.1	PLUMBING SCHEDULES AND DETAILS

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JOJ	WHB	KMC

CITY OF SEQUIM

WASHINGTON

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

HVAC LEGEND, ABBREVIATIONS AND GENERAL NOTES

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET H0.1

PAGE 1 OF X

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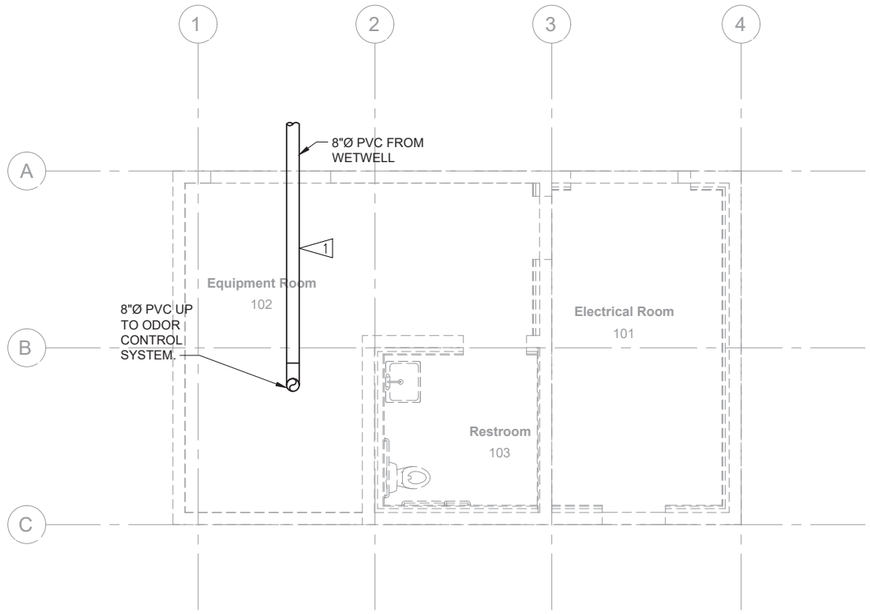
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GENERAL NOTES

1. ALL WORK IS SHOWN DIAGRAMMATICALLY. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.

CONSTRUCTION NOTES

1. PROVIDE DIRECT BURIED DUCT FROM THE WET WELL TO THE ODOR CONTROL EQUIPMENT. SLOPE DUCT TO WET WELL.



N 1 UNDERGROUND FLOOR HVAC PLAN
SCALE: 1/4"=1'-0"

4 3 2 1 0 4 8 12
SCALE: 1/4" = 1'-0" FEET

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KEN M. CHAN
STATE OF WASHINGTON
43234
REGISTERED PROFESSIONAL ENGINEER
02.23.2024

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WEST SEQUIM BAY ROAD CORRIDOR PROJECT

UNDERGROUND FLOOR HVAC PLAN

DATE	SCALE	JOB NUMBER
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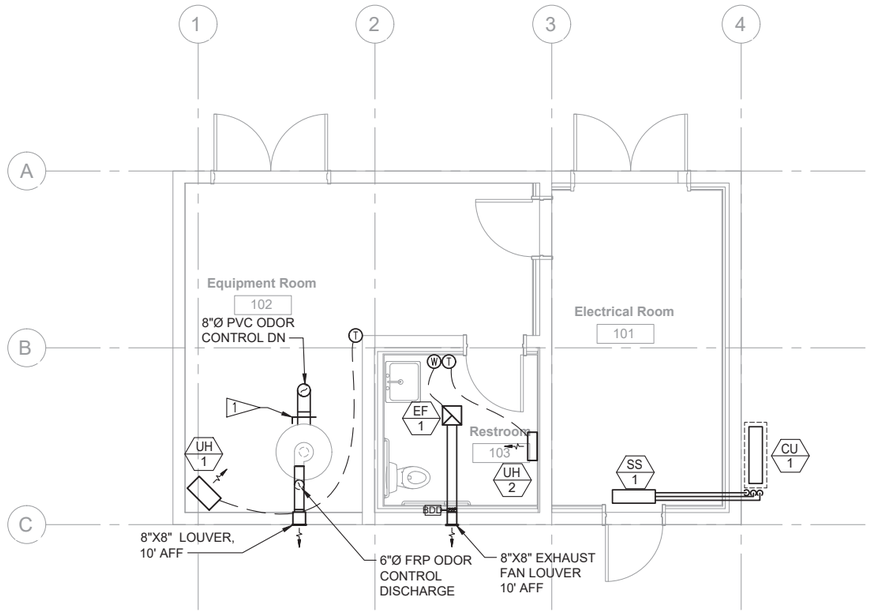
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GENERAL NOTES

1. ALL WORK IS SHOWN DIAGRAMMATICALLY. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.

CONSTRUCTION NOTES

1 PROVIDE A MANUAL ISOLATION DAMPER ON THE ODOR CONTROL INLET.



N 1 LEVEL 1 FLOOR HVAC PLAN
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4 3 2 1 0 4 8 12
SCALE: 1/4" = 1'-0" FEET

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LEVEL 1 FLOOR HVAC PLAN

DATE	SCALE	JOB NUMBER
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SPLIT SYSTEM UNIT SCHEDULE

CALLOUT					RATED UNIT EFFICIENCY [2]		COOLING [3]			HEATING			ELECTRICAL					BASIS OF DESIGN		
TYPE	MARK	LOCATION	AREA SERVED	UNIT CONFIGURATION	SEER	EER	NOMINAL CAPACITY (TONS) [4]	TOTAL COOLING (BTUH)	SENSIBLE COOLING (MBH)	CAPACITY @ OUTDOOR 21°F (MBH)	REFER TYPE	OPERATING WEIGHT (LBS)	V	HZ	Ø	MOCP	MCA	MANUFACTURER	MODEL	NOTES
SS	1	INSIDE	ELECTRICAL ROOM	WALL MOUNT	24.6	15.4	0.7	7,900	6.9	2.6	R410A	26	208/230	60	1	-	1	MITSUBISHI	MSZ-GL09NA	[5]
CU	1	OUTSIDE		PAD MOUNT							R410A	88	208/230	60	1	15	9	MITSUBISHI	MUZ-GL09NA-U1	[1]

SCHEDULE NOTES:
[1] AIR REMOTE - INDOOR DX UNIT PIPED TO AIR-COOLED REMOTE DC CONDENSER OUTSIDE.
[2] MINIMUM EFFICIENCY AS SCHEDULED AND AS REQUIRED BY THE WASHINGTON STATE NON-RESIDENTIAL ENERGY CODE.
[3] AT 95F OUTDOOR AIR DRYBULB TEMPERATURE.
[4] NOMINAL TONNAGE INCLUDED FOR REFERENCE ONLY - DO NOT USE FOR FINAL SIZING OF EQUIPMENT.
[5] ECONOMIZER EXCEPTION 11 PER 2021 WSEC.

EXHAUST FAN SCHEDULE

CALLOUT				FAN								MAX SOUND LEVEL (DBA)	BASIS OF DESIGN		
								MOTOR			ELECTRICAL [2]				
TYPE	MARK	LOCATION	SERVICE	CFM	DRIVE TYPE	E.S.P (IN WC) [1]	RPM	HP	ENCLOSURE	TYP	V	Ø	MANUFACTURER	MODEL	NOTES
EF	1	RESTROOM	RESTROOM	100	DIRECT	0.25	932	15(W)	-	ECM	115	1	43	GREENHECK	SP-100-VG	[3] [4]

SCHEDULE NOTES:
[1] STATIC PRESSURE EXTERNAL TO FAN.
[2] SINGLE POINT CONNECTION. UNIT PROVIDED WITH INTEGRAL DISCONNECT.
[3] PROVIDE HANGING NEOPRENE VIBRATION ISOLATION, INSULATED HOUSING, PERMATECTOR FINISH, AND GRAVITY DAMPER.
[4] PROVIDE WITH MOTION SENSOR WALL SWITCH.

UNIT HEATER SCHEDULE

CALLOUT				FAN			ELECTRICAL		BASIS OF DESIGN		
TYPE	MARK	LOCATION	SERVICE	AIRFLOW (CFM)	CAPACITY (KW)	STAGES	V	Ø	MANUFACTURER	MODEL	NOTES
UH	1	EQUIPMENT	EQUIPMENT	400	1.9	1	208	3	KING	KB SERIES	[1] [2] [3]
UH	2	RESTROOM	RESTROOM	75	0.75	1	120	1	KING	PAW SERIES	[3] [4]

SCHEDULE NOTES:
[1] PROVIDE WITH WALL MOUNTING BRACKET
[2] PROVIDE WITH INTEGRAL DISCONNECT SWITCH
[3] PROVIDE WITH WALL THERMOSTAT AND LOW VOLTAGE CONTROL KIT.
[4] PROVIDE WITH STAINLESS STEEL COVER.

AIR TERMINAL SCHEDULE

CALLOUT	AIR TERMINAL DESCRIPTION	AIRFLOW CAPACITY LIMITS (CFM)		NOMINAL SIZE		NECK DIMENSIONS			MAX NC	MAX TSP DROP (IN. W.G.)	MATERIAL	OPD	FINISH	BASIS OF DESIGN		NOTES
							FOR RECTANGULAR									
		MAXIMUM	MINIMUM	LENGTH	WIDTH	DIAMETER	LENGTH	WIDTH						MANUFACTURER	MODEL	
EG-1	EGGCRATE RETURN GRILLE	400	125	12"	12"	8"	12"	12"	20	0.02	ALUMINUM BORDER AND CORE	NO	#26 WHITE	TITUS	50F	[1]

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CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT
WASHINGTON

HVAC SCHEDULES

DATE 2-23-2024 | SCALE AS SHOWN | JOB NUMBER 2023-069

SHEET H3.1 | PAGE 5 OF X

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GENERAL LEGEND

- NORTH ARROW
- DETAIL/DRAWING REFERENCE
- SECTION REFERENCE
- CONSTRUCTION NOTE
- REVISION SYMBOL
- POINT OF CONNECTION
- BOLD LINE WEIGHT INDICATES NEW WORK
- LIGHT LINE WEIGHT INDICATES EXISTING WORK
- SLASHED LINE INDICATES EXISTING WORK TO BE DEMOLISHED

PLUMBING LEGEND

- DOMESTIC COLD WATER (CW)
- DOMESTIC HOT WATER (HW)
- DOMESTIC HOT WATER CIRCULATING (HWC)
- SOIL, WASTE (S,W)
- VENT (V)
- PIPING IDENTIFIER, SEE ABBREVIATIONS
- ELBOW DOWN
- ELBOW UP
- TEE
- TEE DN
- TEE UP

PLUMBING ABBREVIATIONS

CW	CITY WATER; DOMESTIC COLD WATER
CO	CLEAN OUT
DOM	DOMESTIC
DR	DOOR; DRAIN
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FPHB	FREEZE PROOF HOSE BIBB
HB	HOSE BIBB
HW	DOMESTIC HOT WATER
IPC	INTERNATIONAL PLUMBING CODE
L	LAVATORY
UPC	UNIFORM PLUMBING CODE
V	VENT
VTR	VENT THRU ROOF
W	WASTE; WATER; WIDE(DIM)
WC	WATER CLOSET

PLUMBING GENERAL NOTES

1. PROVIDE COMPLETE SUPPORTS, SEISMIC AND RESTRAINTS FOR ALL PIPES AND EQUIPMENT PER SPECIFICATIONS, AS REQUIRED, AND AS SHOWN ON THE DRAWINGS.
2. PROVIDE ALL REQUIRED MISCELLANEOUS STRUCTURAL STEEL, SUPPORTS, ATTACHMENTS, AND ANCHORAGES.
3. PROVIDE ANCHOR BOLTS OF SIZE, TYPE, AND LENGTH AS REQUIRED TO SATISFY THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS, THE SPECIFICATIONS, AND AS INDICATED ON DRAWINGS.
4. PROVIDE ADDITIONAL MISCELLANEOUS STRUCTURAL MEMBERS BETWEEN STRUCTURAL ELEMENTS AS REQUIRED TO RESIST FORCES AND MEET DEFLECTION REQUIREMENTS. ALL MISCELLANEOUS STRUCTURAL MEMBERS AND ANCHORAGES SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF WASHINGTON. NO WELDING, BOLTING, OR OTHER MEANS OF ATTACHMENT FOR SUPPORT OR RESTRAINT SHALL BE MADE ON PORTIONS OF STRUCTURAL MEMBERS AT OR NEAR CONNECTIONS BETWEEN STRUCTURAL MEMBERS OR ON ELEMENTS DESIGNATED IN THE SEISMIC LOAD RESISTING SYSTEM UNLESS APPROVED BY THE CONTRACTING OFFICER.
5. PROVIDE MISCELLANEOUS STRUCTURAL STEEL SHOP DRAWINGS AND CALCULATIONS FOR REVIEW BY THE CONTRACTING OFFICER. ALL REQUIRED MISCELLANEOUS STRUCTURAL MEMBERS, BOLTS, AND WELDS SHALL BE DESIGNED AND MEET REQUIREMENTS OF THE SPECIFICATIONS.

2021 WASHINGTON STATE ENERGY CODE NOTES

1. ALL DOMESTIC HOT WATER PIPING TO FIXTURES SHALL BE DONE IN ACCORDANCE WITH THE WASHINGTON STATE ENERGY CODE 2021 EDITION INCLUDING SECTION C404.3.
2. ALL PIPING SERVING AS PART OF PLUMBING SYSTEMS SHALL BE THERMALLY INSULATED IN ACCORDANCE WITH TABLE C403.10.3. SEE SPECIFICATIONS FOR MORE INFORMATION.

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CITY OF SEQUIM

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WEST SEQUIM BAY ROAD CORRIDOR PROJECT

PLUMBING LEGEND, ABBREVIATIONS AND GENERAL NOTES

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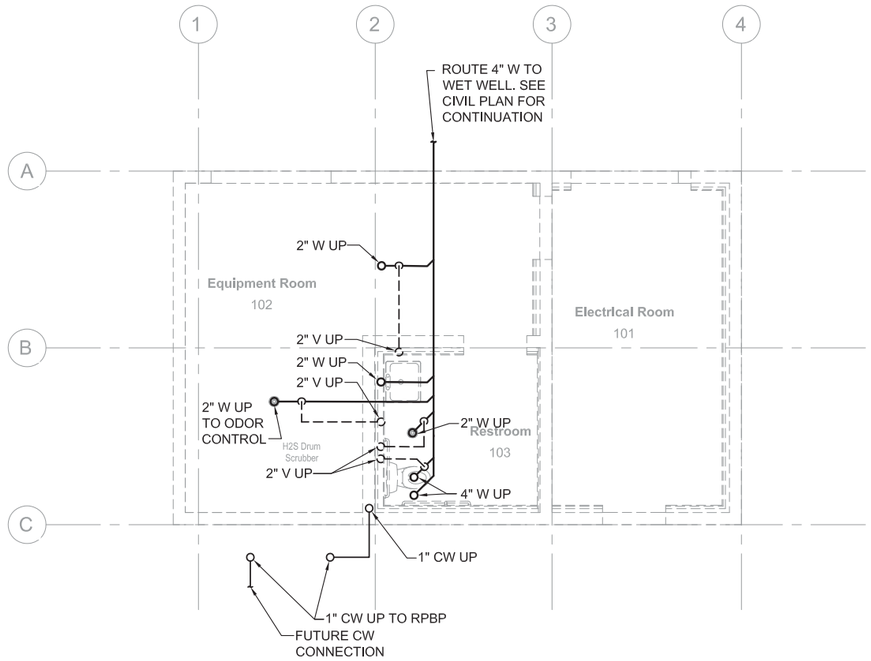
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GENERAL NOTES

1. ALL WORK IS SHOWN DIAGRAMMATICALLY. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.



N 1 **UNDERGROUND FLOOR PLUMBING PLAN**
SCALE: 1/4"=1'-0"

4 3 2 1 0 4 8 12
SCALE: 1/4" = 1'-0" FEET

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UNDERGROUND FLOOR PLUMBING PLAN

DATE 2-23-2024 | SCALE AS SHOWN | JOB NUMBER 2023-069

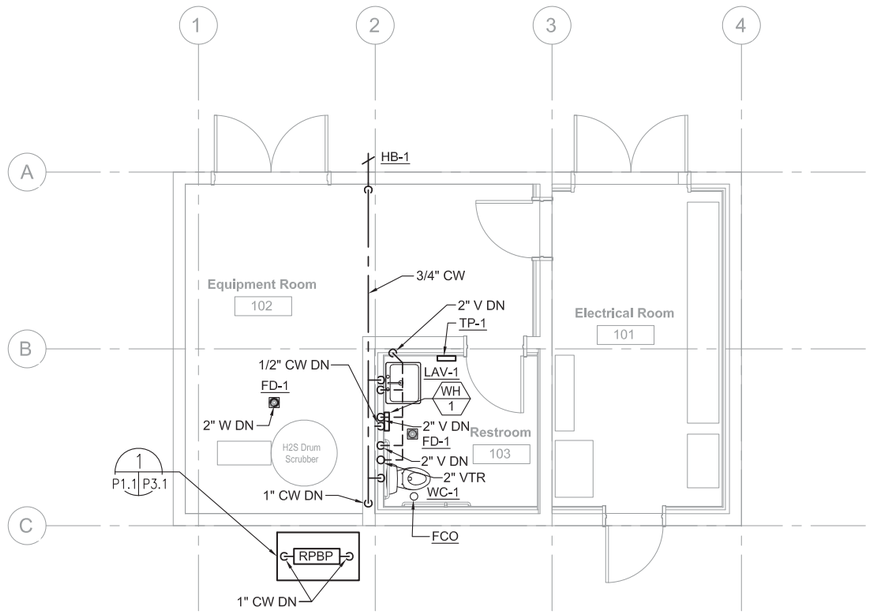
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GENERAL NOTES

1. ALL WORK IS SHOWN DIAGRAMMATICALLY. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.



N 1 **LEVEL 1 FLOOR PLUMBING PLAN**
SCALE: 1/4"=1'-0"

4 3 2 1 0 4 8 12
SCALE: 1/4" = 1'-0" FEET

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WEST SEQUIM BAY ROAD CORRIDOR PROJECT
WASHINGTON

LEVEL 1 FLOOR PLUMBING PLAN

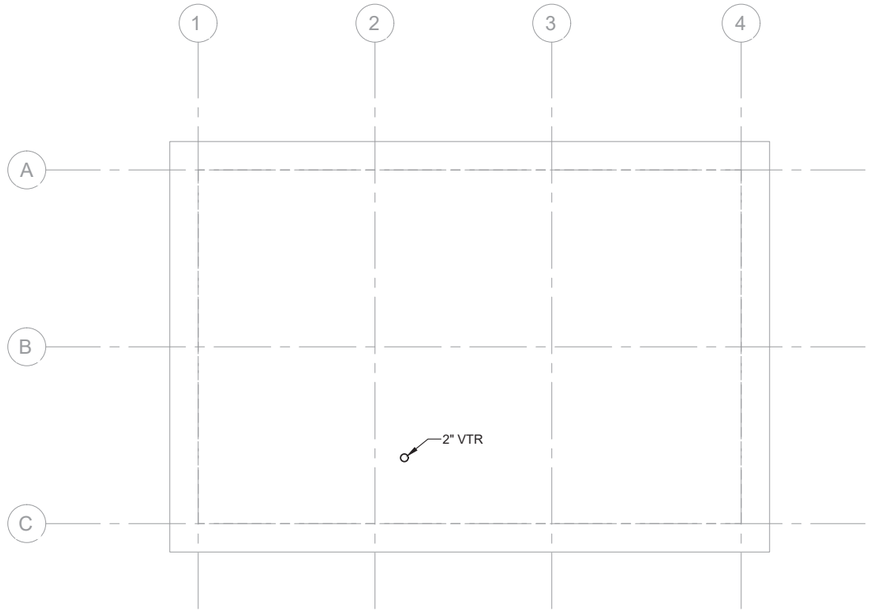
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GENERAL NOTES

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N 1 ROOF PLUMBING PLAN
SCALE: 1/4"=1'-0"

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SCALE: 1/4" = 1'-0" FEET

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ROOF PLUMBING PLAN

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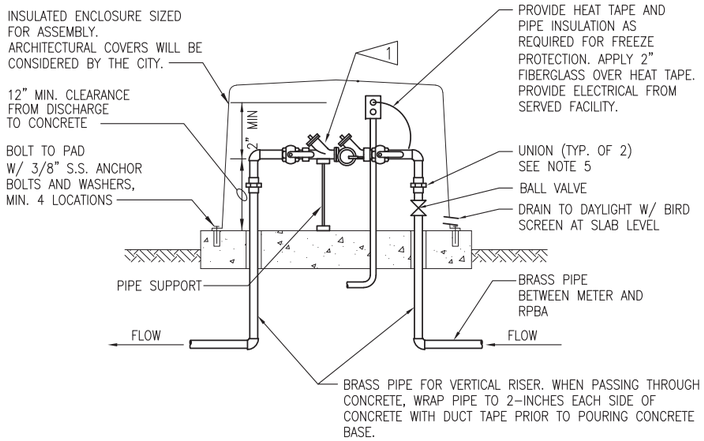
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PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE DESCRIPTION	BRANCH PIPE SIZE - INCHES DIA.				ADDITIONAL COMPONENTS	BASIS OF DESIGN		REMARKS
		COLD WATER	HOT WATER	WASTE	VENT		MANUFACTURER	MODEL	
LAV-1	WALL-HUNG LAVATORY	1/2"	-	1 1/2"	1 1/4"	CARRIER: JAY R. SMITH FIG 0720 CHICAGO #420-ABCP W/ POP-UP DRAIN	KOHLER	#K-2005	ADA WITH PROTECTIVE SHIELD AND THERMOSTATIC MIXING VALVE COMPLIANCE WITH ASSE 1070
WC-1	FLOOR-MOUNTED WATER CLOSET	1"	-	4"	2"	FLUSH VALVE: KOHLER K-76321 (MANUAL-1.28 GPF) SEAT: K-4731-CA COMMERCIAL HEAVY-DUTY TOILET SEAT	KOHLER	#K-96057	ADA, OBC, B651 COMPLIANT.
HB-1	HOSE BIBB	3/4"	-	-	-	LOCKER BOX AND DOOR	ZURN	Z1322-EZ	
TP-1	TRAP PRIMER	1/2"	-	-	-	ELECTRONIC TRAP PRIMER, 120V/60	PPP	MPB-500	COORDINATE WITH ELECTRICIAN FOR POWER
FD-1	FLOOR DRAIN					ROUND NICKEL-BRONZE STRAINER, NO-HUB OUTLET AND TRAP PRIMER CONNECTION	JAY R. SMITH	2005Y	

WATER HEATER SCHEDULE

CALLOUT				SERVICE CONDITIONS		CAPACITY	ELECTRICAL						BASIS OF DESIGN	
TYPE	MARK	LOCATION	DEMAND (GPM)	EWT (DEG F)	LWT (DEG F)	WATER TEMP RISE (DEG F)	INPUT KW	NO. OF STEPS	V	HZ	Ø	FLA	MANUFACTURER	MODEL
TANKLESS	WH-1	RESTROOM	.3	50	119	79	3.6	1	120	60	1	30	BOSCH	TRONIC 3000-US3-2R



1 WASHINGTON STATE APPROVED REDUCED PRESSURE BACKFLOW ASSEMBLY (RPBA) WITH TEST COCK PROTECTION AND BRONZE BODY BALL VALVE AT EACH END.

GENERAL NOTES:

1. CONCRETE TO BE 3000 PSI (MINIMUM) MIX WITH AIR ENTRAINMENT.
2. SYSTEM SHALL NOT BE PUT INTO SERVICE UNTIL RPBA IS APPROVED BY THE CITY AND TESTED/CERTIFIED BY A WASHINGTON STATE LICENSED TESTER.
3. BY THE PROPERTY OWNER WITH ANNUAL CERTIFICATION REQUIRED. RPBA IS CONSIDERED PART OF THE PRIVATE SYSTEM AND SHALL BE MAINTAINED
4. DIELECTRIC UNIONS SHALL BE USED TO SEPARATE DISSIMILAR MATERIALS.
5. NO BRANCH CONNECTIONS ALLOWED BETWEEN METER AND RPBA.

REDUCED PRESSURE BACKFLOW PREVENTER DETAIL

SCALE: NONE

1 P1.1 | P3.1

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PLUMBING SCHEDULES AND DETAILS

DATE 2-23-2024 | SCALE AS SHOWN | JOB NUMBER 2023-069

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RACEWAYS AND CONDUCTORS

- MANUFACTURERS CORD/CABLE
- HEAT TAPE ON PIPING
- FLEXIBLE CONDUIT
- TWISTED SHIELDED PAIR
- S — SEWER LINE
- OE — OVERHEAD ELECTRICAL
- EE — EXISTING CONDUIT UNDERGROUND
- CONDUIT EXPOSED
- CONDUIT BELOW GRADE OR CONCEALED
- CONDUIT CAPPED
- CONDUIT BENT UP OR TOWARD
- CONDUIT BENT DOWN OR AWAY
- GROUNDING CAD WELD CONNECTION
- CONDUCTORS NOT CONNECTED
- CONDUCTORS CONNECTED
- CONDUIT SEALS CLASS 1, DIV. 1/2 EXPLOSION PROOF
- NEW EQUIPMENT (STANDARD LINEWEIGHT)
- EXISTING EQUIPMENT (E) (LIGHT LINEWEIGHT)
- EQUIPMENT TO BE REMOVED

LIGHTING AND RECEPTACLES

- a / F1 — LED LIGHTING FIXTURE. FIXTURE IDENTIFIER AND SWITCHED CIRCUIT INDICATED. REFER TO LIGHTING SCHEDULE FOR FIXTURE AND LAMP TYPE.
- a / F1 — LED LIGHTING FIXTURE WITH EMERGENCY BATTERY PACK
- LIGHTING FIXTURE, EMERGENCY DUAL HEAD WITH INTEGRAL BATTERY PACK. EXIT SIGN WHERE INDICATED.
- LED EXIT SIGN
- LED LIGHTING FIXTURE, CEILING MOUNTED
- PHOTOELECTRIC CONTROL UNIT. WALL MOUNTED
- LIGHTING FIXTURE, POLE MOUNT
- LIGHTING FIXTURE, WALL MOUNT
- 3 — DUPLEX RECEPTACLE, NUMBER INDICATES CIRCUIT. GFCI WHERE INDICATED
- 3 — FOURPLEX RECEPTACLE, NUMBER INDICATES CIRCUIT.
- 3 — DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER NUMBER INDICATES CIRCUIT.
- 3 — DUPLEX RECEPTACLE FLOOR MOUNTED, NUMBER INDICATES CIRCUIT.
- SPECIAL PURPOSE RECEPTACLE OR DEDICATED EQUIPMENT CONNECTION, AS NOTED.
- TELEPHONE OUTLET
- DATA OUTLET
- SPLIT TELEPHONE DATA OUTLET
- IC — INTERCOM
- 3a — SWITCH, NUMBERS REFER TO SWITCH TYPE AND SWITCHED CIRCUIT.
- J — JUNCTION BOX
- J XP — JUNCTION BOX, EXPLOSION PROOF
- T — THERMOSTAT

CALLOUTS AND DESIGNATIONS

- A — CONDUIT CALLOUT
- A — TRENCH CALLOUT
- EF-1 — EQUIPMENT CALLOUT
- F1 — LIGHTING FIXTURE CALLOUT: SEE SCHEDULE
- X — DRAWING KEY NOTE CALLOUT
- X / XX — DETAIL NUMBER / DETAIL IDENTIFIER / REFERENCE DRAWING NUMBER
- LPA-1,3 — PANEL AND CIRCUIT (EXAMPLE: PANEL LPA, CIRCUITS 1 AND 3)
- PHASE/SWITCHLEG CONDUCTOR
- HOMERUN/CONDUIT
- GROUND CONDUCTOR
- NEUTRAL CONDUCTOR

ELECTRICAL AND POWER DISTRIBUTION

- PANELBOARD 208Y/120V OR 120/240V
- PANELBOARD 480Y/277V
- UTILITY METER
- 5 — MOTOR CONNECTION NUMBER INDICATES HORSEPOWER
- O.L. — THERMAL OVERLOAD RELAY
- 2 — FULL VOLTAGE NON REVERSING MOTOR STARTER NUMBER INDICATES NEMA SIZE
- REDUCED VOLTAGE SOLID STATE STARTER
- VARIABLE FREQUENCY DRIVE
- LINE REACTOR
- G — BUS CONNECTION (N=NEUTRAL, G=GROUND)
- 75KW — HEATER, NUMBER INDICATES KW
- 50 — DISCONNECT SWITCH - HP RATED, AS INDICATED
- 50 — DISCONNECT SWITCH (FUSED)
- TRANSFORMER
- CARTRIDGE FUSE AND FUSEHOLDER
- ATS - AUTOMATIC TRANSFER SWITCH MTS - MANUAL TRANSFER SWITCH
- 200/3 — THERMAL MAG CIRCUIT BREAKER, RATING/NO. POLES
- 200/3 MCP — MOTOR CIRCUIT PROTECTOR, RATING/NO. POLES
- GROUND ROD AND WELL
- GROUNDING ELECTRODE
- PULL OUT PLUG-RECEPTACLE/MCC CONNECTION
- - +

CONTROLS AND INSTRUMENTATION

NORMALLY CLOSED / NORMALLY OPEN

- TEMPERATURE SWITCH - TS
- LEVEL SWITCH - LS
- PRESSURE SWITCH - PS
- LIMIT SWITCH - LS
- CONTACT - CR = CONTROL RELAY, MS-MOTOR STARTER, OR AS INDICATED
- SWITCH - SW
- FLOW SWITCH - FS
- PB — PUSHBUTTON - PB
- HAND / OFF / AUTO — SELECTOR SWITCH. HAND-OFF-AUTO SHOWN. X'S INDICATE CONTACT SWITCHING CONVENTION.
- AM — AMMETER
- VM — VOLTMETER
- GEN — GENERATOR
- MS — MOTOR STARTER
- PFR — PHASE FAIL RELAY
- ETM — ELAPSED TIME METER
- SCT — STARTS COUNTER
- CR — CONTROL RELAY
- TDR — TIME DELAY RELAY
- SV-SOLENOID VALVE
- PT — INSTRUMENT (L=LEVEL, F=FLOW P=PRESSURE)
- R — INDICATING LIGHT, LETTER INDICATES: R-RED, G-GREEN, A-AMBER, W-WHITE, B-BLUE
- D.C. TERMINAL
- A.C. TERMINAL
- FIELD INSTRUMENT
- HORN
- SPEED POTENTIOMETER

STANDARD ABBREVIATIONS

A, AMP	AMPERE
AC	AIR COMPRESSOR
AFF	ABOVE FINISHED FLOOR
AI	ANALOG INPUT POINT (PLC)
AIC	AMPERES INTERRUPTING CAPACITY
AL	ALARM
ALT	ALTERNATOR
AO	ANALOG OUTPUT POINT (PLC)
ATS	AUTOMATIC TRANSFER SWITCH
BAT	BATTERY
BC	BATTERY CHARGER
BH	BLOCK HEATER
BP	BYPASS CONTACTOR
C	CONDUIT (RGS)
CAP	CAPACITOR
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CNT	COUNTER
CP	CONTROL PANEL
CPT	CONTROL POWER TRANSFORMER
CR	CONTROL RELAY
CT	CURRENT TRANSFORMER
CV	CHECK VALVE
DEM	DEMAND
DI	DIGITAL INPUT POINT (PLC)
DO	DIGITAL OUTPUT POINT (PLC)
DWG	DRAWING
E OR (E)	EXISTING DEVICE
EF	EXHAUST FAN
FE	FLOW ELEMENT
FS	FLOW SWITCH
FT	FLOW TRANSMITTER
FU	FUSED
FVNR	FULL VOLTAGE NON-REVERSING
G, GND	GROUND
GEN	GENERATOR
GFCI/GFI	GROUND FAULT CIRCUIT INTERRUPTER
H	HOT, HIGH
HH	HAND HOLE
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTO
HTR	HEATER
IC	ISOLATION CONTACTOR
IS	INTRINSICALLY SAFE
ISR	INTRINSICALLY SAFE RELAY
KW	KILOWATT
KWH	KILOWATT HOUR
KWD	KILOWATT DEMAND
LC	LIGHTING CONTACTOR
LCP	LOCAL CONTROL PANEL
LE	LEVEL ELEMENT
LS	LIMIT SWITCH
LT	LEVEL TRANSMITTER
LTG	LIGHTING
M	METER
MCC	MOTOR CONTROL CENTER
MCP	MAIN CONTROL PANEL
MFR	MANUFACTURER
MOV	MOTOR OPERATED VALVE
MS	MOTOR STARTER
MTS	MANUAL TRANSFER SWITCH
N	NEUTRAL
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
OI	OPERATOR INTERFACE
OIT	OPERATOR IN TROUBLE
OL	OVERLOAD RELAY
OT	OVER TEMP
P	POWER
PB	PUSH BUTTON
PE	PHOTO ELECTRIC RELAY
PFR	PHASE FAILURE RELAY
PLC	PROGRAMMABLE LOGIC CONTROLLER
PNL	PANEL
POT	POTENTIOMETER
PS	PRESSURE SWITCH
PT	POTENTIAL TRANSFORMER
PVC	POLY VINYL CHLORIDE (CONDUIT)
RGS	RIGID GAVLANIZED STEEL (CONDUIT)
RTM	RUN TIME METER
RV	REDUCED VOLTAGE
S	SIGNAL
SA	SURGE ARRESTOR
SE	SERVICE ENTRANCE
SHT	SHEET
SS	STAINLESS STEEL
SSS	SOLID STATE STARTER
SV	SOLENOID VALVE
T	THERMOSTAT
TC	TIME CLOCK
TDR	TIME DELAY
TST	TWISTED SHIELDED 3 CONDUCTOR (TRIAD)
TYP	TYPICAL
UH	UNIT HEATER
UPS	UNINTERUPTABLE POWER SUPPLY
VS	VIBRATION SWITCH
VT	VIBRATION TRANSMITTER
VFD	VARIABLE FREQUENCY DRIVE
VSD	VARIABLE SPEED DRIVE
W	WATT
WHM	WATT HOUR METER
WP	WEATHER PROOF
XFMR	TRANSFORMER
XP	EXPLOSION PROOF
XMTR	TRANSMITTER
ZS	LIMIT SWITCH

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ZTEK ENGINEERING
123 Ohme Garden Rd, Suite C1
Wenatchee, WA 98801

PROJECT GENERAL NOTES:

1. THE ELECTRICAL DRAWINGS AND SCHEDULES ARE FUNCTIONAL IN NATURE AND DO NOT SPECIFY EXACT LOCATIONS OF EQUIPMENT OR EQUIPMENT TERMINATIONS. IT IS THE INTENT OF THESE DRAWINGS TO DESCRIBE AND PROVIDE FOR THE FURNISHING, INSTALLING, TESTING AND PLACING IN FULLY OPERATIONAL CONDITION ALL EQUIPMENT, MATERIALS, DEVICES AND NECESSARY APPURTENANCES TO PROVIDE A COMPLETE ELECTRICAL SYSTEM, TOGETHER WITH SUCH OTHER MISCELLANEOUS INSTALLATIONS AND EQUIPMENT SHOWN ON THE DRAWINGS. THE WORK SHALL INCLUDE ALL MATERIALS, APPLIANCES AND APPARATUS NOT SPECIFICALLY MENTIONED HEREIN OR SHOWN ON THE DRAWINGS, BUT WHICH ARE NECESSARY TO MAKE A COMPLETE, FULLY OPERATIONAL INSTALLATION OF ALL ELECTRICAL SYSTEMS SHOWN ON THE DRAWINGS.
2. THIS PROJECT INCLUDES THE INSTALLATION OF PACKAGED EQUIPMENT SYSTEM(S) OR SUB-SYSTEM(S) THAT WILL REQUIRE COORDINATION BETWEEN THE CONTRACTOR AND THE MANUFACTURER TO DETERMINE THE DETAILED INSTALLATION REQUIREMENTS. THE ENGINEER HAS SHOWN GENERAL INSTALLATION INFORMATION FOR THESE SYSTEMS BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME OF DESIGN. WHERE INDICATED ON THE DRAWINGS TO 'PROVIDE A COMPLETE AND OPERATIONAL SYSTEM' THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, INSTALLATION, AND COORDINATION WITH THE MANUFACTURER REQUIRED SO THE EQUIPMENT IS INSTALLED AND OPERATES IN A SATISFACTORY MANNER. MINOR CHANGES IN EQUIPMENT LOCATIONS, QUANTITY OF TERMINATIONS OR WIRES, JUNCTION BOXES, CONDUIT, ETC SHALL BE INCLUDED IN THE CONTRACT PRICE.
3. THE NUMBER OF CONDUCTORS AND CONDUIT ROUTING WILL VARY BASED ON HOW THE CONTRACTOR ELECTS TO ROUTE AND COMBINE CIRCUITING. THE CONTRACTOR SHALL PROVIDE DETAILED REDLINE MARKUPS ON A DEDICATED SET OF CONSTRUCTION DRAWINGS TO THE ENGINEER UPON COMPLETION OF THE PROJECT FOR PREPARATION OF RECORD DRAWINGS. THIS INCLUDES ACTUAL RACEWAY ROUTING, CONDUCTOR QUANTITIES, PANEL SCHEDULES, RECEPTACLE CONFIGURATIONS AND MOUNTING ELEVATIONS, ETC.

ELECTRICAL SHEET INDEX:

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E1.1	ELECTRICAL SITE PLAN
E2.1	BUILDING POWER PLAN
E2.2	BUILDING LIGHTING PLAN
E3.1	WET WELL PLAN AND ELEVATION (AT 90%)
E6.1	ELECTRICAL ONE LINE DIAGRAM
E7.1	CONTROL SYSTEM OVERVIEW
E7.2	MOTOR CONTROL CENTER ELEVATION
E7.3	MAIN CONTROL PANEL POWER WIRING DIAGRAMS
E7.4	MAIN CONTROL PANEL DIGITAL INPUTS
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E7.6	MAIN CONTROL PANEL ANALOG I/O
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E7.8	WET WELL INTERFACE PANEL WIRING DIAGRAMS
E7.9	MOTOR CONTROL CENTER - VFD WIRING DIAGRAMS
E8.1	ELECTRICAL SCHEDULES (AT 90%)
E9.1	ELECTRICAL DETAILS
E9.2	GENERATOR DETAILS

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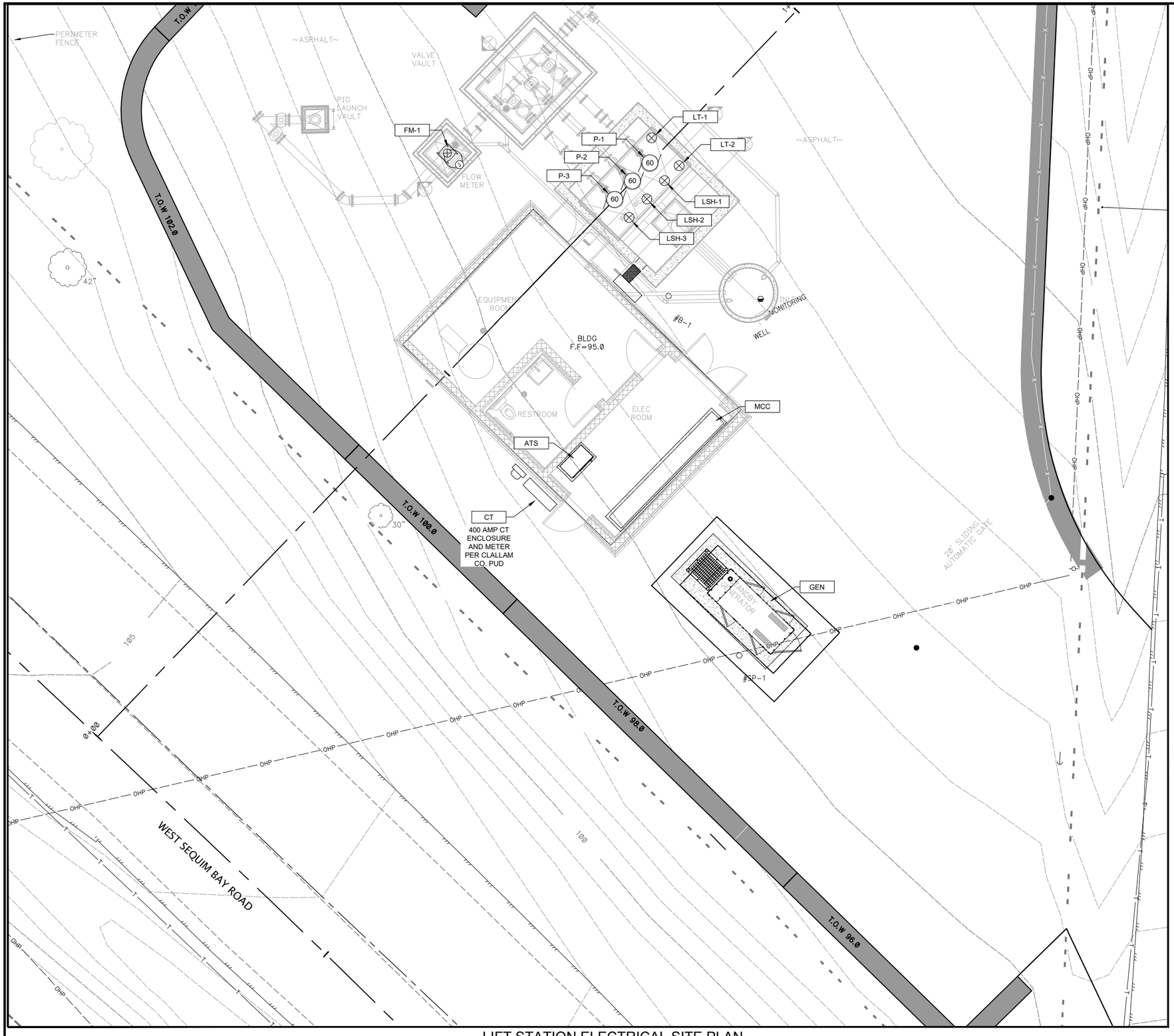
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ELECTRICAL SYMBOLS AND ABBREVIATIONS

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LIFT STATION ELECTRICAL SITE PLAN

SCALE: 1" = 5' AT FULL SCALE

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Wenatchee, WA 98801

GENERAL NOTES:

1. ALL CONDUIT ROUTING IS NOT SHOWN, AND WHERE SHOWN, IS SCHEMATIC. ELECTRICAL CONTRACTOR SHALL DETERMINE THE BEST ROUTING PATH AND CIRCUIT COMBINATIONS BASED ON FIELD CONDITIONS AND ELECTRICAL CODES.

UTILITY POWER NOTES:

1. THE ELECTRICAL UTILITY PROVIDING SERVICE TO THESE FACILITIES IS CLALLAM COUNTY PUD. THE CONTRACTOR SHALL COMPLY WITH ALL UTILITY COMPANY STANDARDS AND UTILITY REQUIREMENTS.
2. UTILITY COMPANY CHARGES FOR NEW ELECTRICAL SERVICE WILL BE PAID BY THE OWNER.
3. THE DIVISION OF RESPONSIBILITIES STATED BELOW HAS BEEN DETERMINED BY COORDINATION WITH THE UTILITY, AND SHALL BE CONFIRMED BY THE CONTRACTOR PRIOR TO BID. THE DIVISION OF RESPONSIBILITY FOR INSTALLATION TASKS SHALL BE COORDINATED WITH THE UTILITY AT THE TIME OF CONSTRUCTION.
4. COORDINATE DEMOLITION OF EXISTING EQUIPMENT AND SERVICES WITH THE UTILITY. REFER TO CONTRACT DOCUMENTS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
5. THE CONTRACTOR SHALL PROVIDE THE FOLLOWING SERVICE AND MATERIAL FOR THE PRIMARY SERVICE EXTENSION AND 480V THREE PHASE SERVICES:
   a. PROVIDE COMPLETE THREE PHASE PRIMARY LINE EXTENSION UNDERGROUND RACEWAY FROM EXISTING SERVICE POLE TO NEW PUMPING FACILITY, AS SHOWN ON THE DRAWINGS AND PER UTILITY REQUIREMENTS.
   b. INSTALL UTILITY-FURNISHED THREE PHASE PRIMARY POWER VAULT WHERE SHOWN ON THE DRAWINGS, OR AS REQUIRED BY THE UTILITY.
   c. INSTALL UTILITY-FURNISHED TRANSFORMER VAULT, PADS AND PROVIDE GROUNDING SYSTEMS AT EACH SERVICE LOCATION.
   d. PROVIDE NEW COMPLETE SECONDARY UNDERGROUND SERVICE, INCLUDING CONDUIT AND CONDUCTORS, FROM EACH TRANSFORMER TO EACH SERVICE PANEL.
   e. PROVIDE 2" SCH 40 PVC FIBER CONDUIT IN SECONDARY RACEWAYS TO ELECTRICAL SERVICE AREAS.
   f. INSTALL WARNING TAPE FOR ELECTRICAL UTILITIES, PROVIDED BY UTILITY.
   g. PROVIDE CT ENCLOSURES, MOUNTING RACKS, AND METER BASES PER UTILITY REQUIREMENTS.
   h. ALL OTHER MATERIALS AND CONSTRUCTION SHOWN ON THE DRAWINGS.
6. THE UTILITY WILL PROVIDE THE FOLLOWING SERVICE AND MATERIAL:

A. PRIMARY POWER
   a. PROVIDE PRIMARY TERMINATION CABINETS AND/OR VAULTS FOR CONTRACTOR INSTALLATION.
   b. PROVIDE TRANSFORMER VAULTS AND PADS FOR CONTRACTOR INSTALLATION.
   c. PROVIDE FIBER OPTIC PEDESTALS FOR CONTRACTOR INSTALLATION FOR PRIMARY RACEWAYS.
   d. PRIMARY CONDUCTOR AND INSTALLATION.
   e. ALL PRIMARY TERMINATIONS.
   f. PROVIDE NEW UTILITY TRANSFORMERS AND INSTALL ON CONTRACTOR INSTALLED PADS OR VAULTS.

B. SECONDARY POWER
   a. INSTALL METER IN CONTRACTOR PROVIDED METER BASES.
   b. TERMINATE CONTRACTORS' SECONDARY CONDUCTORS AT TRANSFORMERS.

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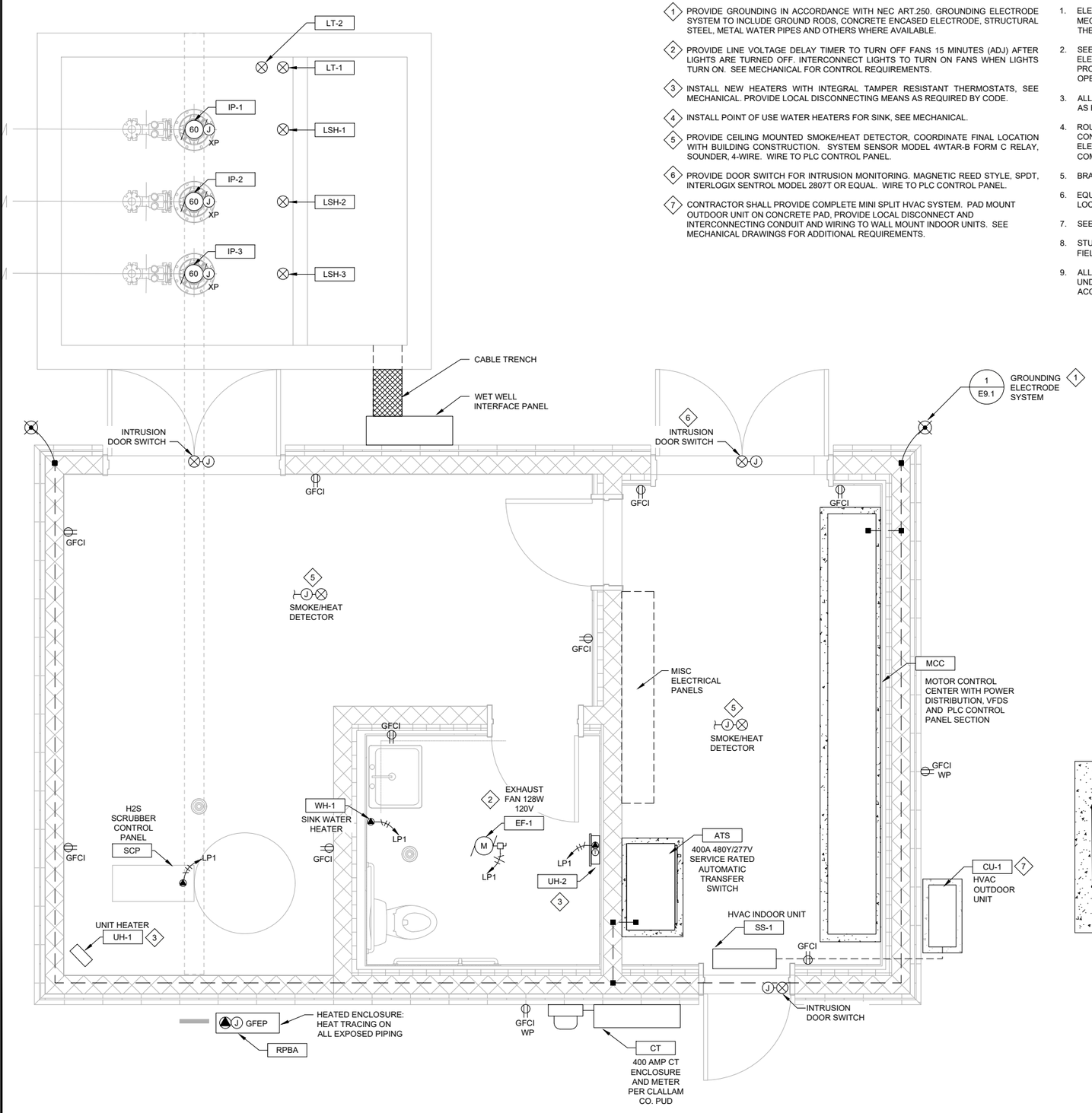
LIFT STATION ELECTRICAL SITE PLAN

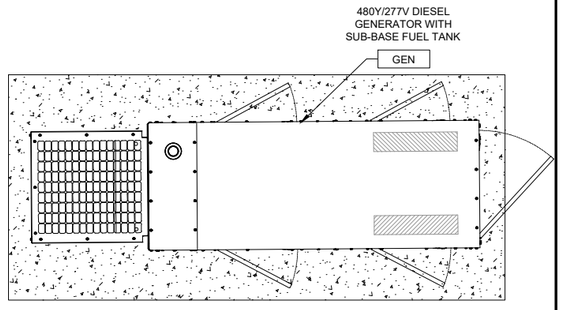
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KEY NOTES:

1. PROVIDE GROUNDING IN ACCORDANCE WITH NEC ART.250. GROUNDING ELECTRODE SYSTEM TO INCLUDE GROUND RODS, CONCRETE ENCASED ELECTRODE, STRUCTURAL STEEL, METAL WATER PIPES AND OTHERS WHERE AVAILABLE.
2. PROVIDE LINE VOLTAGE DELAY TIMER TO TURN OFF FANS 15 MINUTES (ADJ) AFTER LIGHTS ARE TURNED OFF. INTERCONNECT LIGHTS TO TURN ON FANS WHEN LIGHTS TURN ON. SEE MECHANICAL FOR CONTROL REQUIREMENTS.
3. INSTALL NEW HEATERS WITH INTEGRAL TAMPER RESISTANT THERMOSTATS, SEE MECHANICAL. PROVIDE LOCAL DISCONNECTING MEANS AS REQUIRED BY CODE.
4. INSTALL POINT OF USE WATER HEATERS FOR SINK, SEE MECHANICAL.
5. PROVIDE CEILING MOUNTED SMOKE/HEAT DETECTOR, COORDINATE FINAL LOCATION WITH BUILDING CONSTRUCTION. SYSTEM SENSOR MODEL 4WTAR-B FORM C RELAY, SOUNDER, 4-WIRE. WIRE TO PLC CONTROL PANEL.
6. PROVIDE DOOR SWITCH FOR INTRUSION MONITORING. MAGNETIC REED STYLE, SPDT, INTERLOGIX SENTROL MODEL 2807T OR EQUAL. WIRE TO PLC CONTROL PANEL.
7. CONTRACTOR SHALL PROVIDE COMPLETE MINI SPLIT HVAC SYSTEM. PAD MOUNT OUTDOOR UNIT ON CONCRETE PAD, PROVIDE LOCAL DISCONNECT AND INTERCONNECTING CONDUIT AND WIRING TO WALL MOUNT INDOOR UNITS. SEE MECHANICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

GENERAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL PROVIDE COMPLETE ELECTRICAL INSTALLATION OF ALL MECHANICAL EQUIPMENT SHOWN ON THE MECHANICAL PLANS, INCLUDING BUT NOT LIMITED TO THERMOSTATS, DISCONNECTS, LOW VOLTAGE AND POWER WIRING.
2. SEE MECHANICAL DRAWINGS FOR LOW VOLTAGE WIRING AND CONTROL REQUIREMENTS. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR TO PROVIDE ALL CONTROL FEATURES AS SHOWN ON THE PLANS FOR A COMPLETE AND OPERATIONAL SYSTEM.
3. ALL RECEPTACLES SHALL INCLUDE GFCI PROTECTION AND WEATHERPROOF COVERS (WP,GFCI) AS REQUIRED BY NEC.
4. ROUTE ALL BRANCH CIRCUITS TO LIGHTING PANEL(S) CIRCUIT SHOWN ON THE PLANS. ALL CONDUIT ROUTING IS NOT SHOWN. ALL CONDUITS SHALL BE ROUTED IN WALLS OR CEILING. ELECTRICAL CONTRACTOR SHALL DETERMINE THE BEST ROUTING PATH AND CIRCUIT COMBINATIONS BASED ON FIELD CONDITIONS AND ELECTRICAL CODE.
5. BRANCH CIRCUITS NOT SHOWN ON CONDUIT SCHEDULE SHALL BE SIZED AS REQUIRED BY NEC.
6. EQUIPMENT LOCATIONS AND ARRANGEMENT ARE SCHEMATIC. FIELD COORDINATE FINAL LOCATIONS WITH ARCHITECT, ENGINEER AND OWNER.
7. SEE ELECTRICAL PANEL SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION.
8. STUB AND CAP SPARE CONDUITS WITH PULL STRING IN ELECTRICAL AREA FOR FUTURE USE. FIELD COORDINATE LOCATIONS DURING CONSTRUCTION.
9. ALL ELECTRICAL CONDUIT AND BOXES SHALL BE CONCEALED INSIDE CMU WALLS, ROUTED UNDERGROUND OR OVERHEAD IN CRAWL SPACE. SURFACE MOUNT CONDUIT IS NOT ACCEPTABLE. COORDINATE INSTALLATION WITH OTHER TRADES, AS REQUIRED.

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BUILDING POWER PLAN

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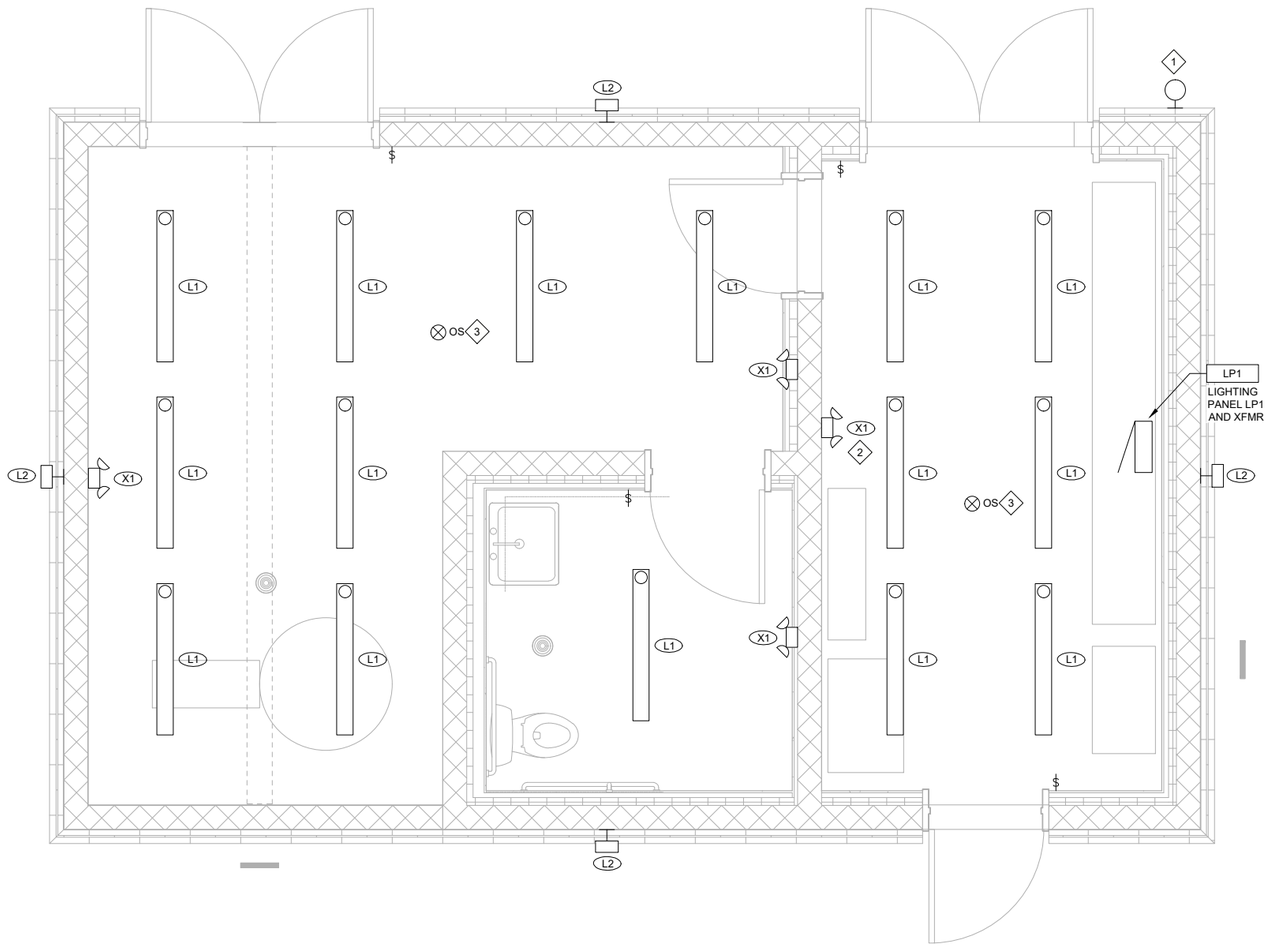
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BUILDING POWER PLAN

SCALE: 1" = 2' AT FULL SCALE



BUILDING LIGHTING PLAN

SCALE: 1" = 2' AT FULL SCALE

GENERAL NOTES:

1. ROUTE ALL BRANCH CIRCUITS TO LIGHTING PANEL(S) CIRCUIT SHOWN ON THE PLANS. ALL CONDUIT ROUTING IS NOT SHOWN. ELECTRICAL CONTRACTOR SHALL DETERMINE THE BEST ROUTING PATH AND CIRCUIT COMBINATIONS BASED ON FIELD CONDITIONS AND ELECTRICAL CODE.
2. BRANCH CIRCUITS NOT SHOWN ON CONDUIT SCHEDULE SHALL BE SIZED AS REQUIRED BY NEC.
3. ALL ELECTRICAL CONDUIT AND BOXES SHALL BE CONCEALED INSIDE CMU WALLS, ROUTED UNDERGROUND OR OVERHEAD IN CRAWLSPACE. SURFACE MOUNT CONDUIT IS NOT ACCEPTABLE. COORDINATE INSTALLATION WITH OTHER TRADES, AS REQUIRED.

KEY NOTES:

1. PROVIDE PHOTOCELL FOR EXTERIOR FIXTURE CONTROL AND H-O-A IN CONTROL PANEL. FIXTURES SHALL BE ON DEDICATED SWITCH AND DARY SKY COMPLAINT, SEE SCHEDULE.
2. WIRE EMERGENCY LIGHTS TO INTERIOR LIGHTING CIRCUIT.
3. PROVIDE OCCUPANCY SENSORS FOR INTERIOR LIGHTING. COMPLY WITH WASHINGTON STATE ENERGY CODE REQUIREMENTS.

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LIGHTING FIXTURE SCHEDULE

ID	DESCRIPTION	LAMPS	VOLTAGE	VA	MANUFACTURER	CATALOG NUMBER
L1	NARROW LED 4' FIXTURE, VAPOR TIGHT	LED	120V	42	ACUITY	CSVT-L48-AL03-MVOLT-40K-80CRI-STSL
L2	LED WALL PACK, WET LOCATION WITH PHOTOCELL	LED	120V	17	ACUITY	ARC1LED-P2-30K-MVOLT-FAO-PE-DDBXD
S1	POLE MOUNT LED AREA LIGHT	LED	120V	167	ACUITY	DSX1LED-P7-30K-70CRI-T3M-MVOLT-FAO-DDBXD
P1	POLE FOR AREA LIGHT				ACUITY	20' STEEL SQUARE RECTANGULAR POLE WITH RECEPTACLE #SSS-20-4G-DM1/2AS-FDL-19A-DDBXD
X1	EMERGENCY LIGHTING W/BATTERY PACK	LED	120V	6	LITHONIA	EU2C EMERGENCY WALL PACK

BUILDING LIGHTING SCHEDULE

SCALE: NONE

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BUILDING LIGHTING PLAN

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WET WELL ELECTRICAL PLAN AND ELEVATION (TO BE ADDED AT 90%)

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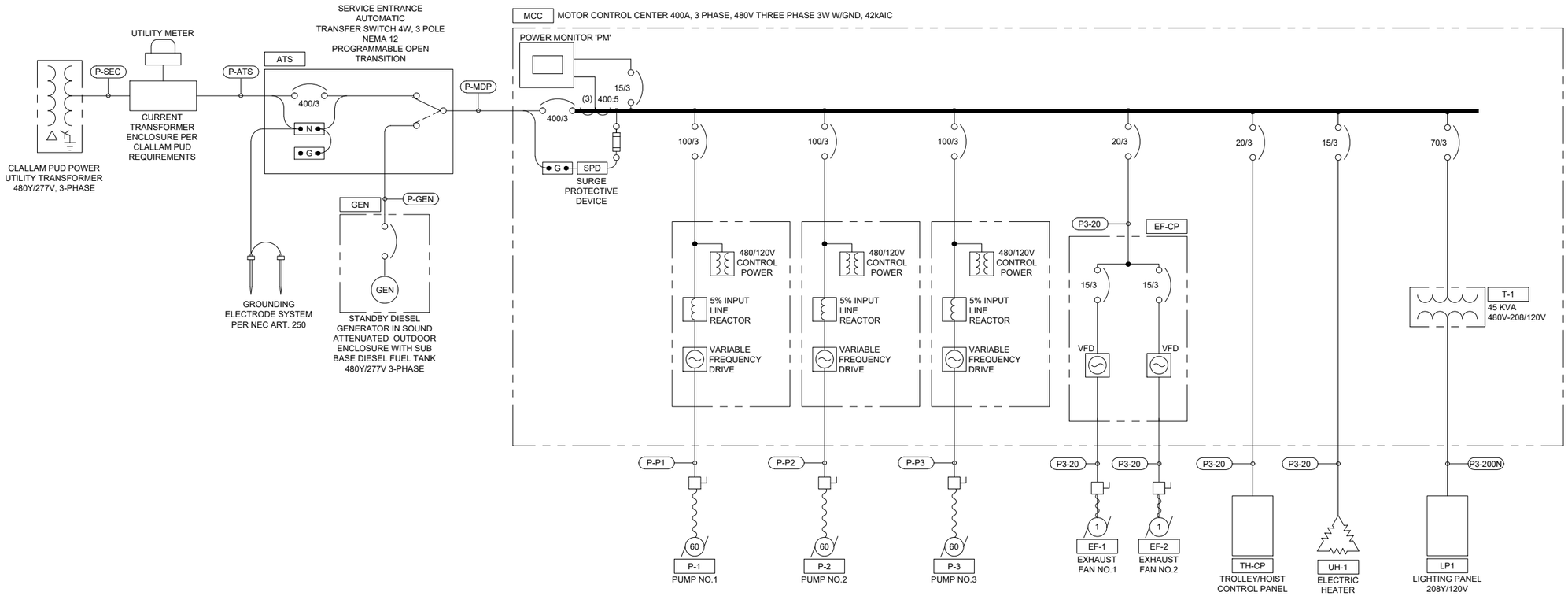
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ONE LINE DIAGRAM

SCALE: NONE

ELECTRICAL SERVICE AND GENERATOR LOAD CALCULATIONS

EQUIPMENT ID	EQUIPMENT DESCRIPTION	CONNECTED LOAD HP/kVA	CONNECTED LOAD AMPS @ 480V	DEMAND FACTOR	DEMAND LOAD AMPS	GENERATOR FACTOR	GENERATOR LOAD AMPS
P-1	PUMP NO.1	60.0	77.0	1.25	96.3	1	96.3
P-2	PUMP NO.2	60.0	77.0	1.00	77.0	1	77.0
P-3	PUMP NO.3	60.0	77.0	1.00	77.0	0	0.0
EF-1	EXHAUST FAN NO.1	1.0	2.1	1.00	2.1	1	2.1
EF-2	EXHAUST FAN NO.2	1.0	2.1	1.00	2.1	1	2.1
TR-1	TROLLEY	0.5	1.1	1.00	1.1	0	0.0
HS-1	HOIST	0.5	1.1	1.00	1.1	0	0.0
T-1	LIGHTING PANEL TRANSFORMER	45.0	54.1	0.80	43.3	1	43.3
UH-1	ELECTRIC UNIT HEATER	5.0	7.5	1.00	7.5	1	7.5
TOTAL			299.0		307.4		228.2
						GEN KVA@480:	190

LOAD CALCULATION

SCALE: NONE

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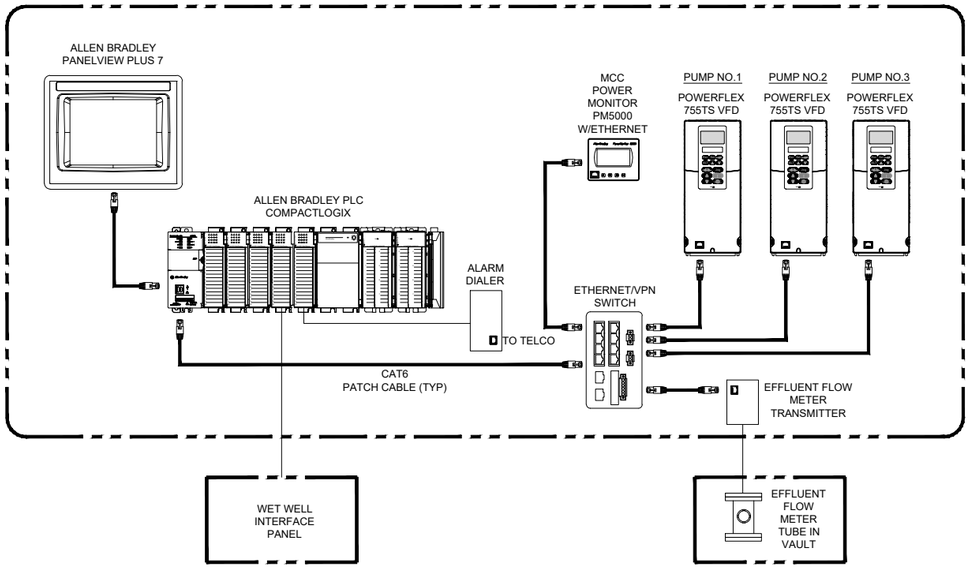
LIFT STATION ELECTRICAL ONE LINE DIAGRAM

DATE	SCALE	JOB NUMBER
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PUMP STATION MOTOR CONTROL CENTER AND MAIN CONTROL PANEL



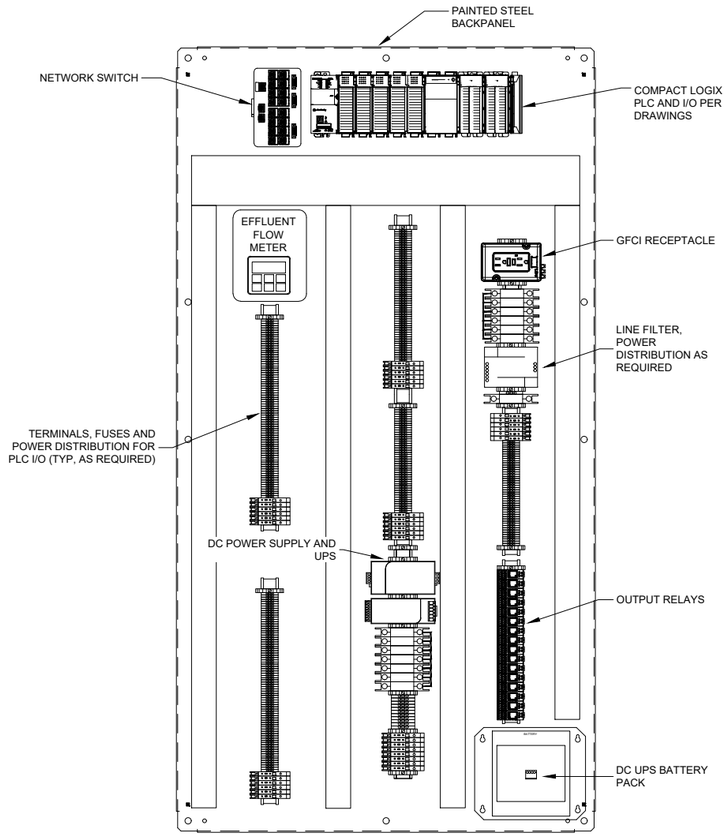
CONTROL SYSTEM OVERVIEW
SCALE: NONE

GENERAL NOTES:

1. SYSTEM INTEGRATOR SHALL PROVIDE DETAILED CONTROL PANEL DESIGN AND DOCUMENTATION FOR A COMPLETE AND OPERATIONAL SYSTEM. ONLY MAJOR PANEL COMPONENTS ARE SPECIFIED.

NO.	REVISIONS	BY	DATE

ZTEK ENGINEERING
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Wenatchee, WA 98801



MAIN CONTROL PANEL - BACKPANEL ELEVATION
SCALE: NONE

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CONTROL SYSTEM OVERVIEW AND ELEVATION

DATE	SCALE	JOB NUMBER
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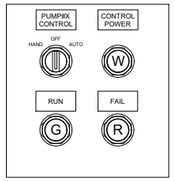
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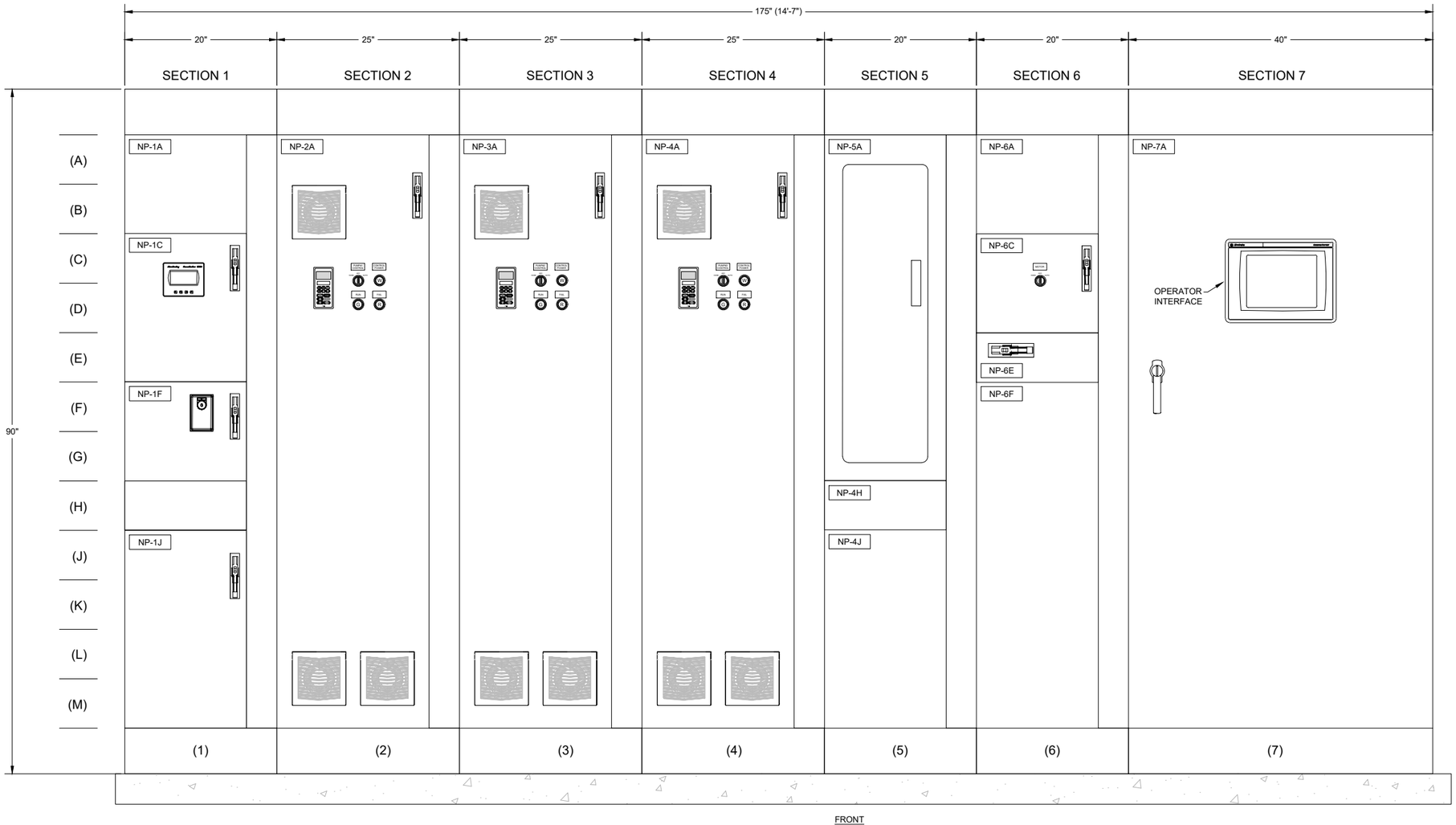
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BZ	BZ	BZ

MCC NAMEPLATE SCHEDULE

EQ ID	NAMEPLATE LABEL (LINE 1 / LINE 2 / LINE 3)	EQ ID	NAMEPLATE LABEL (LINE 1 / LINE 2 / LINE 3)
NP-1A	MCC NETWORK / ETHERNET SWITCH	NP-5A	LIGHTING PANEL LP1
NP-1C	POWER MONITOR	NP-5H	TRANSFORMER DISCONNECT
NP-1F	SURGE PROTECTOR	NP-5J	SPARE
NP-1J	MAIN BREAKER DISCONNECT / 400AF-400AT	NP-6A	ETHERNET POWER SUPPLY
NP-2A	WET WELL PUMP NO.1 / 60 HP	NP-6C	CRANE/HOIST
NP-3A	WET WELL PUMP NO.2 / 60 HP	NP-6E	SPARE
NP-4A	WET WELL PUMP NO.3 / 60 HP	NP-6F	CONTROLS JUNCTION SECTION
		NP-7	MAIN CONTROL PANEL

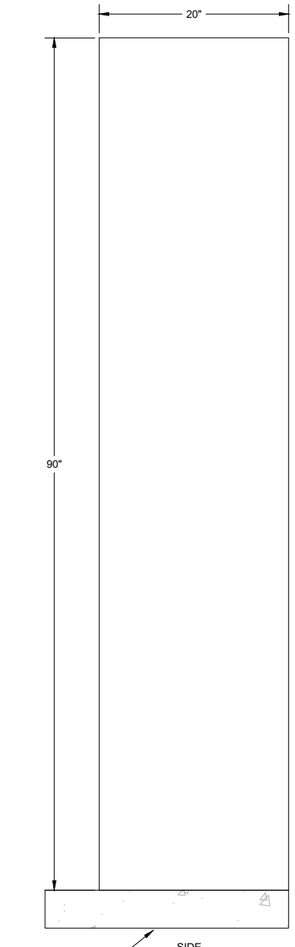


PUMP STARTER CONTROL DETAIL
SCALE: NONE



FRONT

MOTOR CONTROL CENTER ELEVATION
SCALE: NONE



SIDE

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MOTOR CONTROL CENTER ELEVATION

SHEET	DATE	SCALE	JOB NUMBER
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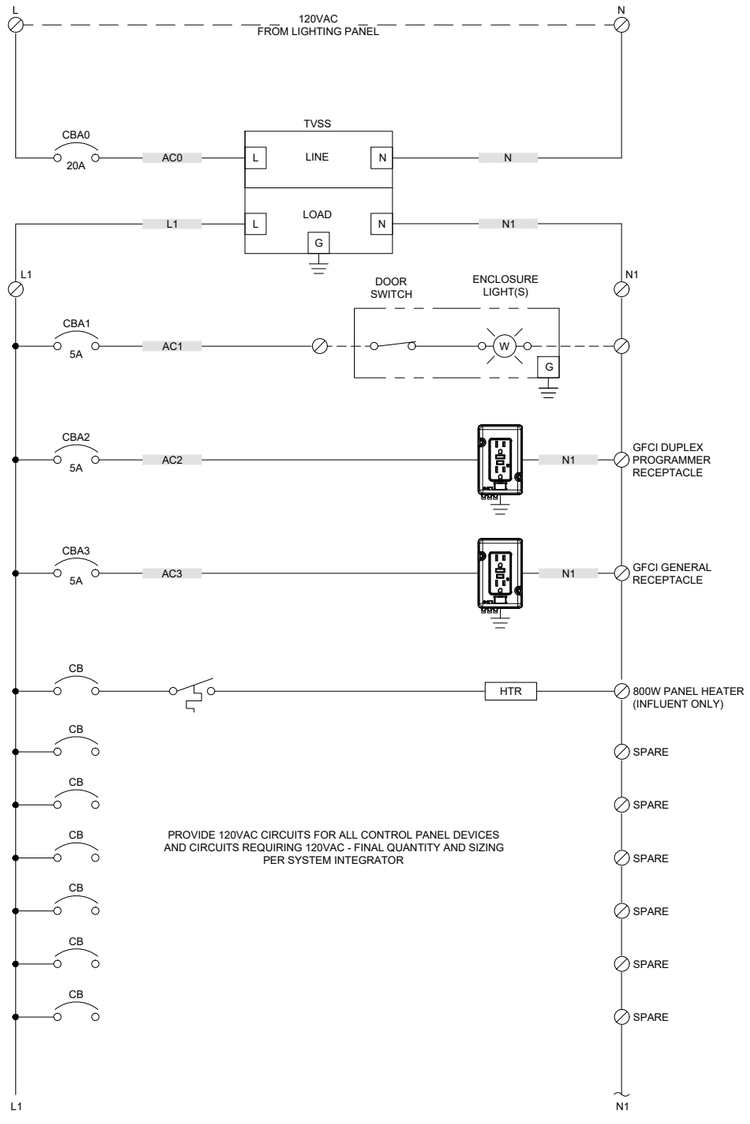
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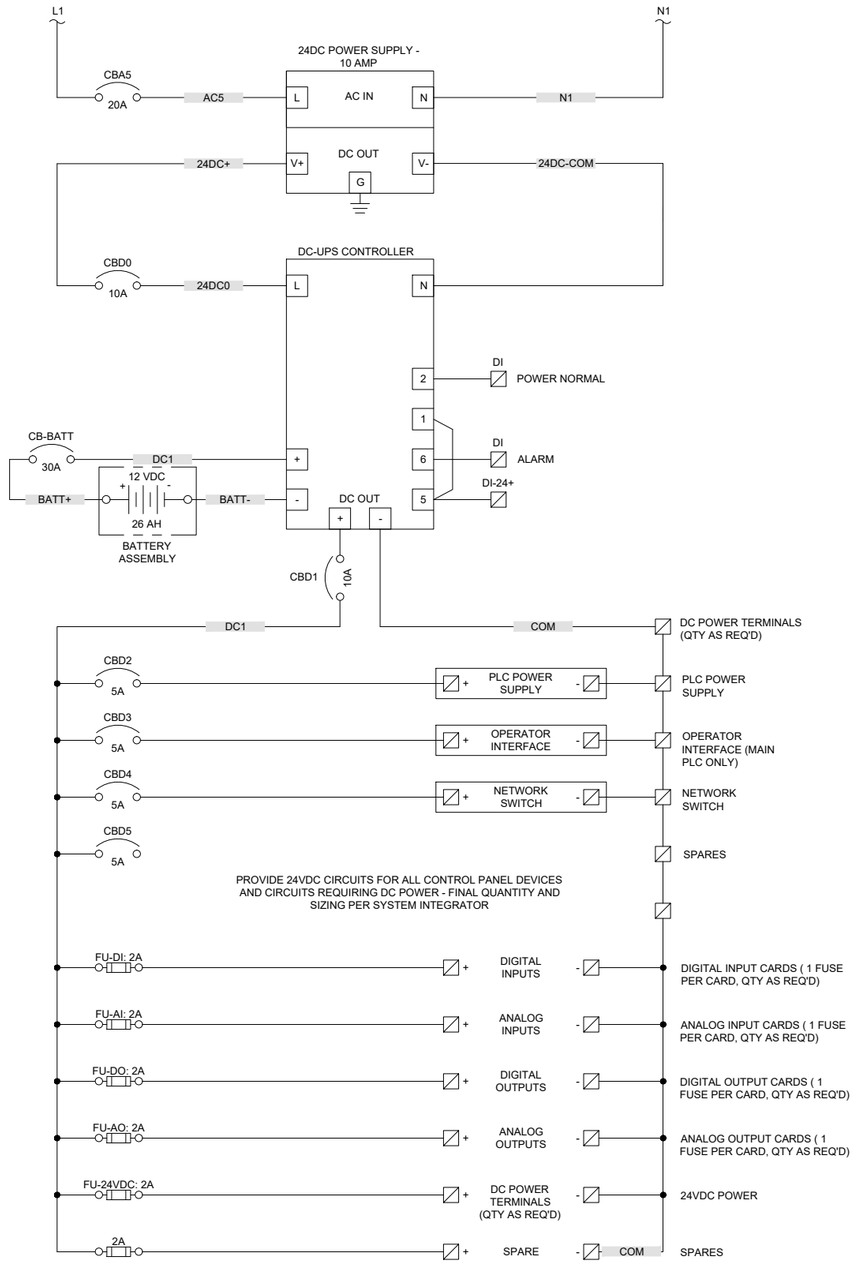
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GENERAL NOTES:

1. SYSTEM INTEGRATOR SHALL PROVIDE DETAILED CONTROL PANEL DESIGN AND DOCUMENTATION FOR A COMPLETE AND OPERATIONAL SYSTEM. ONLY MAJOR PANEL COMPONENTS ARE SPECIFIED.

NO.	REVISIONS	BY	DATE





MAIN CONTROL PANEL - POWER WIRING DIAGRAM (TYP)
SCALE: NONE

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MAIN CONTROL PANEL POWER WIRING DIAGRAMS

DATE 2-23-2024 | SCALE AS SHOWN | JOB NUMBER 2023-069

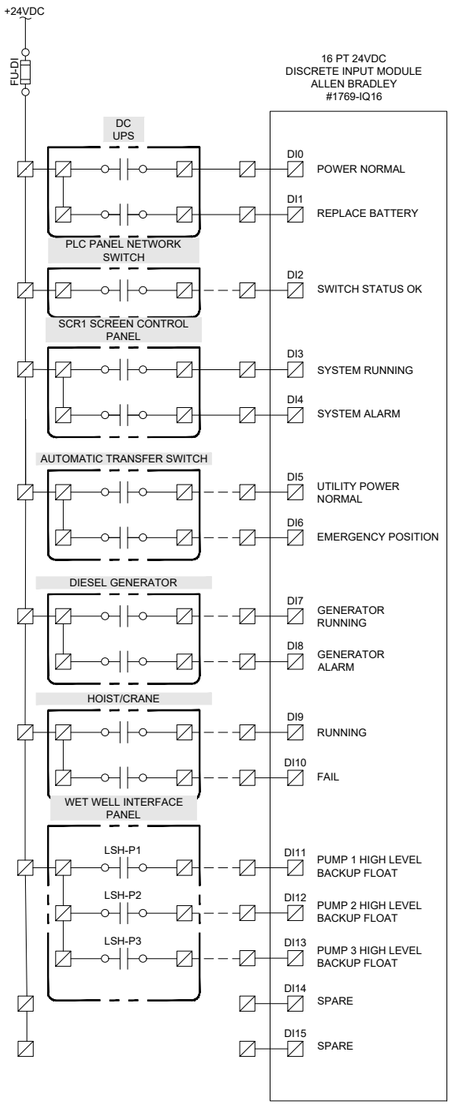
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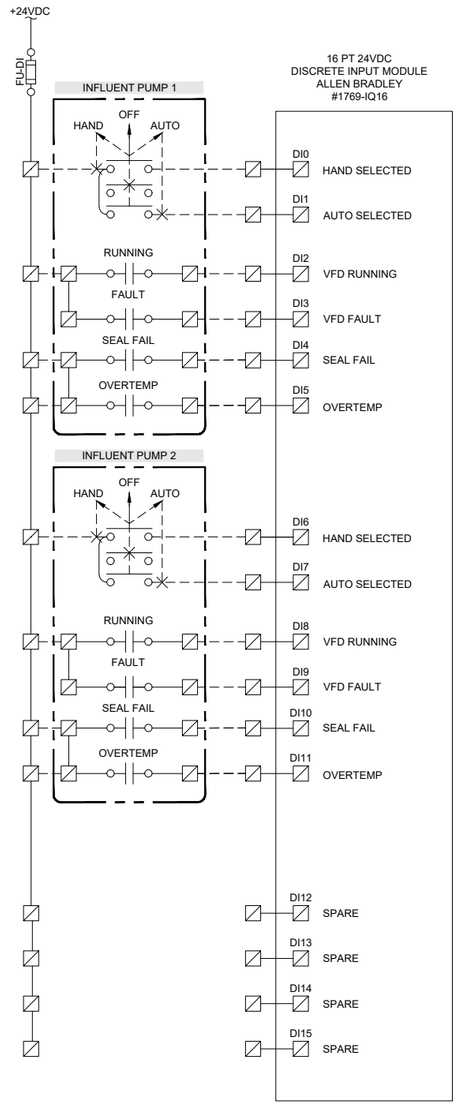
GENERAL NOTES:

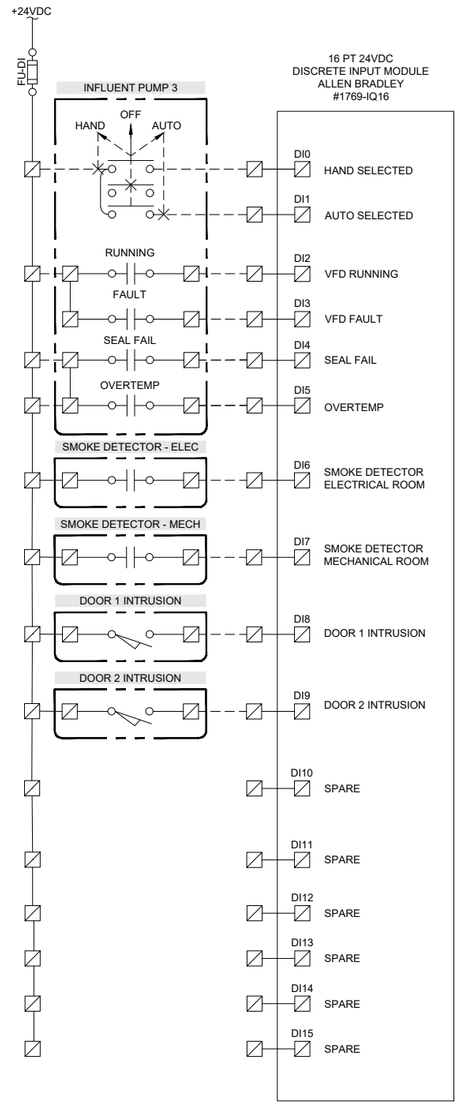
1. SYSTEM INTEGRATOR SHALL PROVIDE DETAILED CONTROL PANEL DESIGN AND DOCUMENTATION FOR A COMPLETE AND OPERATIONAL SYSTEM. ONLY MAJOR PANEL COMPONENTS ARE SPECIFIED.

NO.	REVISIONS	BY	DATE

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MAIN CONTROL PANEL - DIGITAL INPUTS

SCALE: NONE

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MAIN CONTROL PANEL – DIGITAL INPUTS

DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

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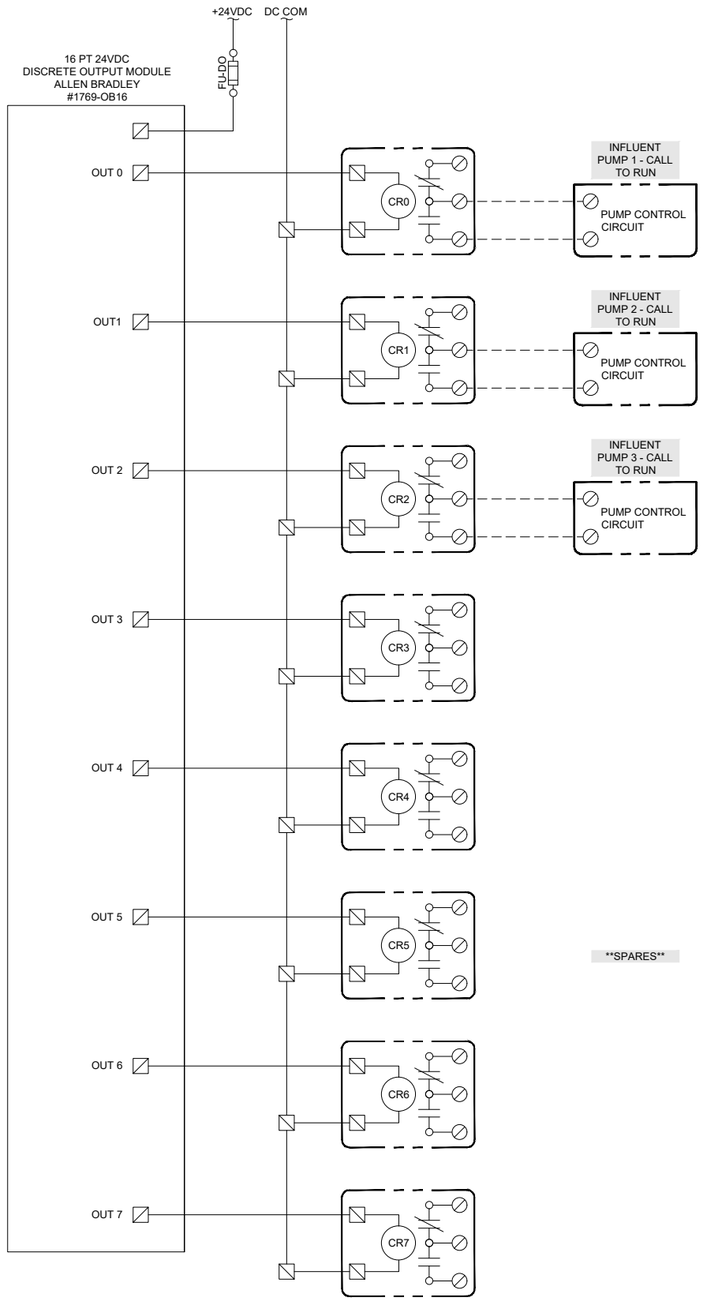
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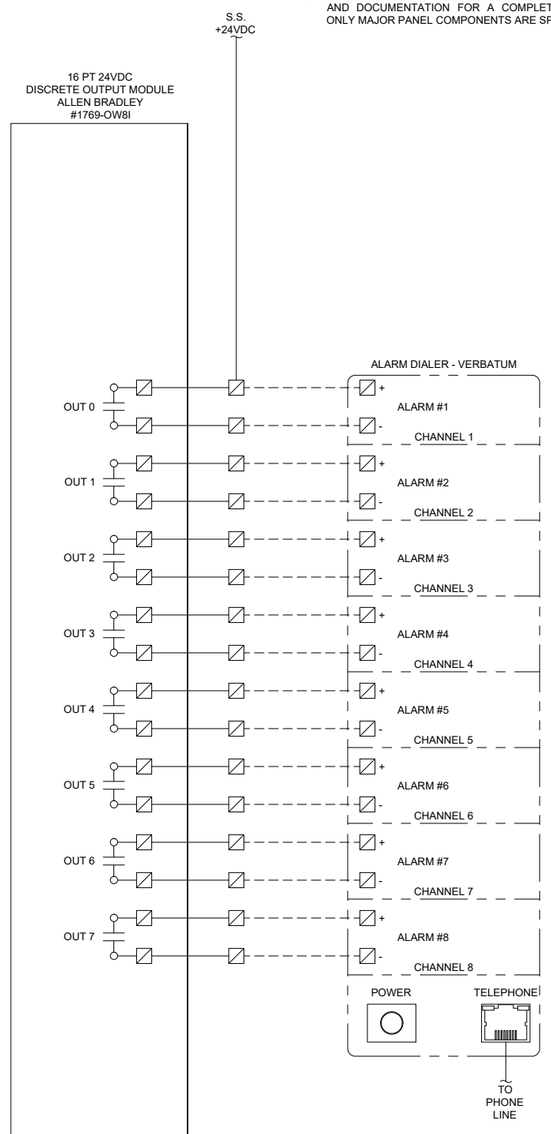
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GENERAL NOTES:

1. SYSTEM INTEGRATOR SHALL PROVIDE DETAILED CONTROL PANEL DESIGN AND DOCUMENTATION FOR A COMPLETE AND OPERATIONAL SYSTEM. ONLY MAJOR PANEL COMPONENTS ARE SPECIFIED.

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MAIN CONTROL PANEL - DIGITAL OUTPUTS
SCALE: NONE

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MAIN CONTROL PANEL – DIGITAL OUTPUTS

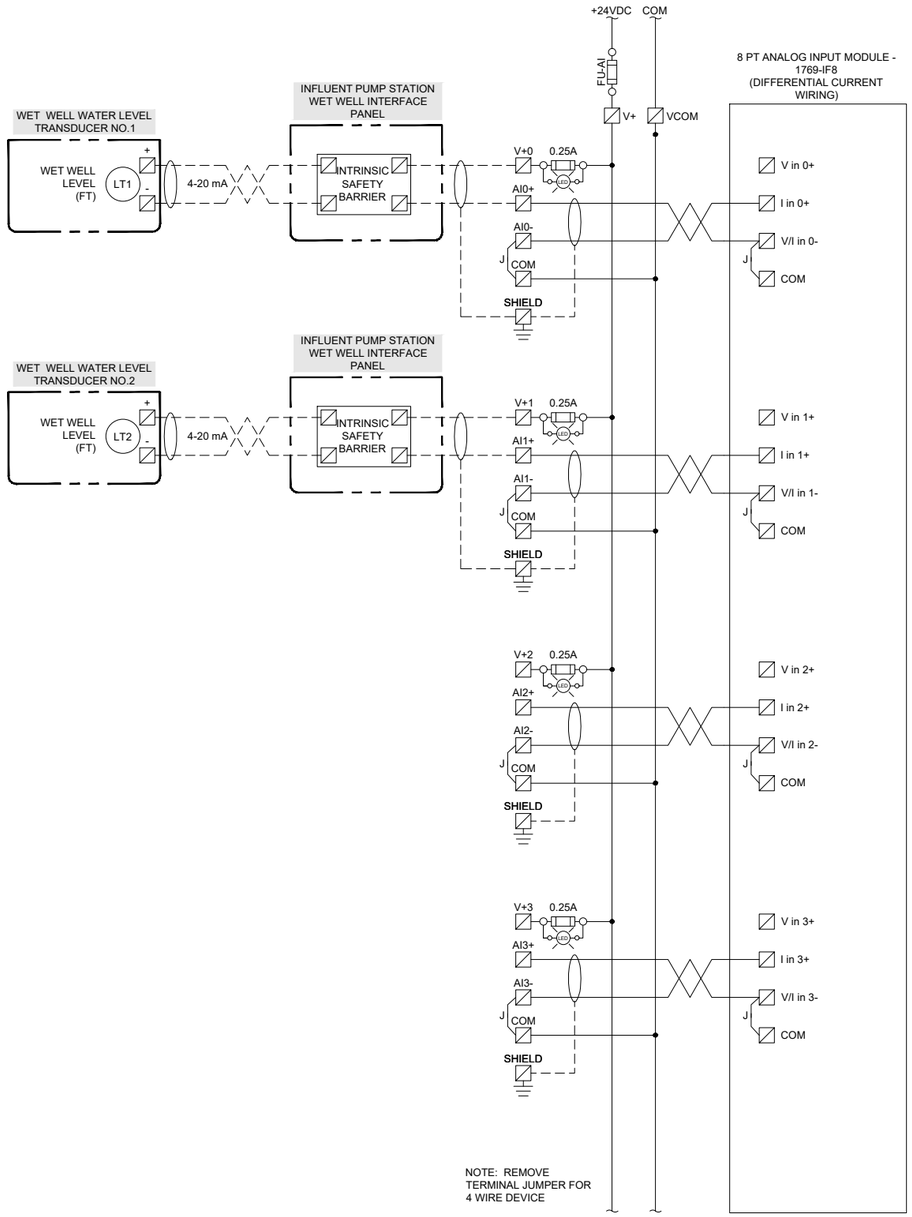
DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

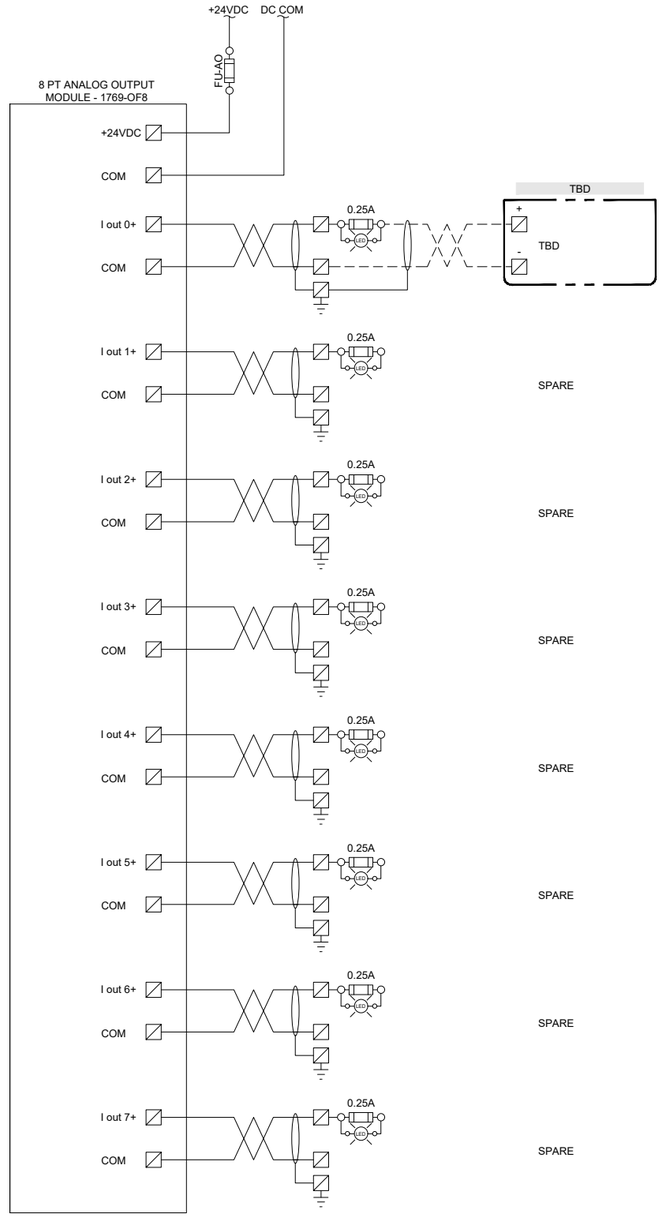
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GENERAL NOTES:

1. SYSTEM INTEGRATOR SHALL PROVIDE DETAILED CONTROL PANEL DESIGN AND DOCUMENTATION FOR A COMPLETE AND OPERATIONAL SYSTEM. ONLY MAJOR PANEL COMPONENTS ARE SPECIFIED.

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MAIN CONTROL PANEL - ANALOG I/O
SCALE: NONE

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MAIN CONTROL PANEL ANALOG I/O

DATE	SCALE	JOB NUMBER
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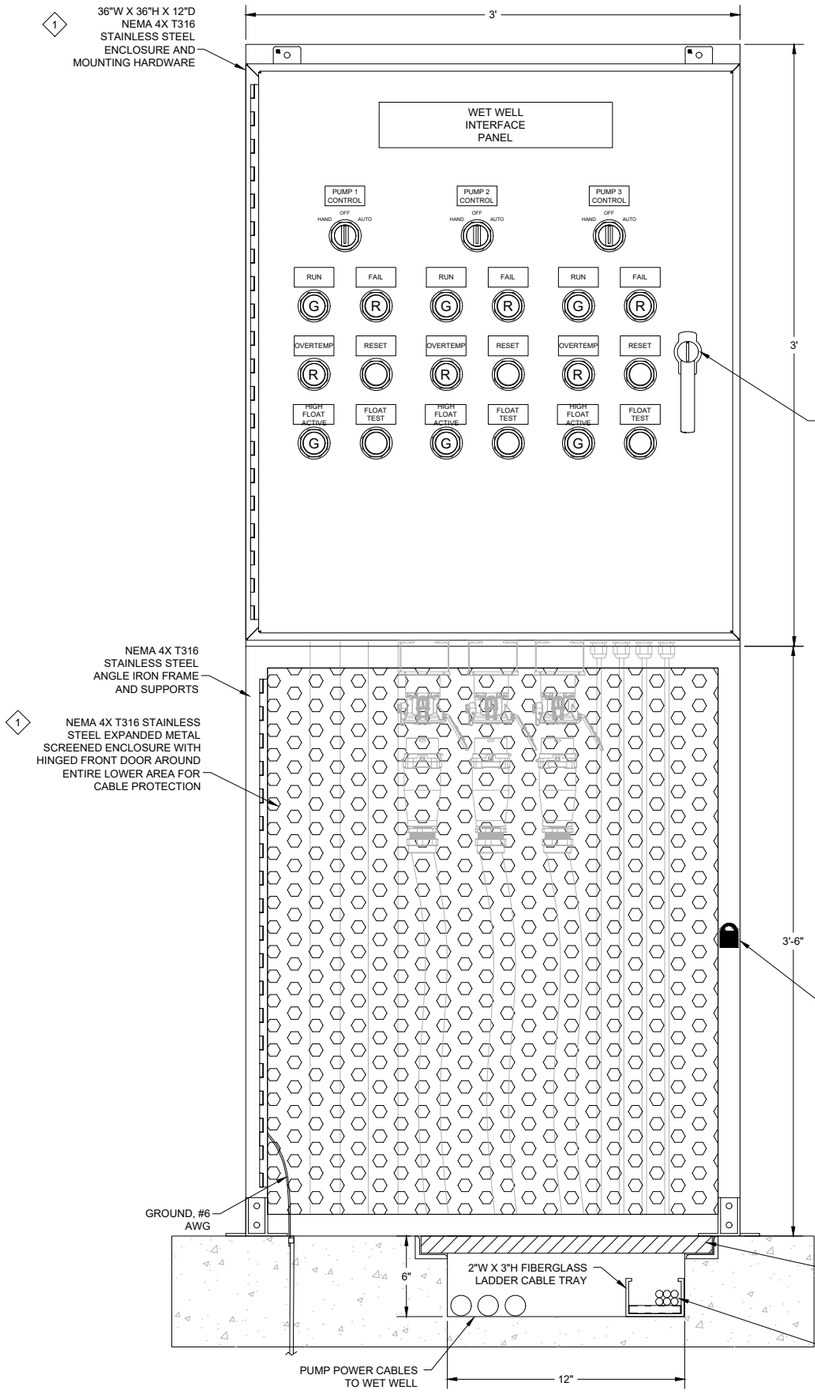
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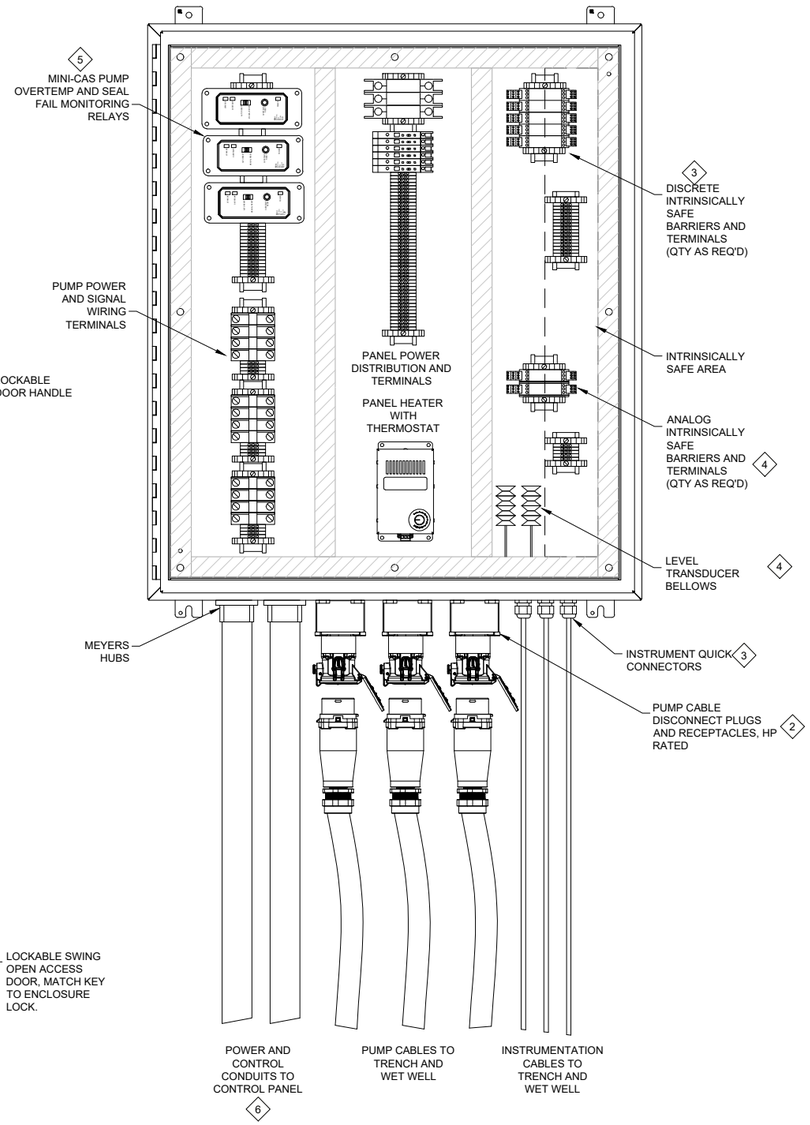
GENERAL NOTES:

1. SYSTEM INTEGRATOR SHALL PROVIDE DETAILED CONTROL PANEL DESIGN AND DOCUMENTATION FOR A COMPLETE AND OPERATIONAL SYSTEM. ONLY MAJOR PANEL COMPONENTS ARE SPECIFIED.

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KEY NOTES:

1. PROVIDE WET WELL INTERFACE PANEL FOR INTERFACE WITH WET WELL PUMP AND INSTRUMENTATION CABLES, LOCAL CONTROL OF INFLUENT PUMPS, SEAL FAIL AND OVERTEMP WIRING. MOUNT CONTROLS AND INDICATORS ON PANEL DOOR AS SHOWN. PROVIDE STAINLESS STEEL ENCLOSURE WITH CUSTOM SCREENED AND LOCKABLE ENCLOSURE, AS SPECIFIED. SYSTEM INTEGRATOR SHALL SIZE CONTROL PANEL TO ACCOMMODATE ALL CONTROLS AND EQUIPMENT REQUIRED.
2. TERMINATE THE PUMP MOTOR CABLES IN A 480V THREE PHASE, HP RATED DISCONNECTING PLUG AND RECEPTACLE SET. THE SYSTEM SHALL INCLUDE MOTOR LEADS, GROUND AND 2 CONTROL PINS FOR THERMAL/SEAL FAIL SENSOR WIRING. MELTRIC DECONTACTOR SERIES MODEL DS200 OR APPROVED EQUAL.
3. PROVIDE T316 STAINLESS STEEL INSTRUMENTATION CONNECTOR SETS FOR FLOAT SWITCHES. TURCK MODEL P-RKFV/RSM SERIES OR APPROVED EQUAL.
4. PROVIDE T316 STAINLESS STEEL CGB CABLE CLAMP FOR LEVEL TRANSDUCER(S) TO ALLOW MANUFACTURERS VENTED CABLE TO PASS INTO ENCLOSURE. CONNECT BELLOWS TO VENT TUBE PER MANUFACTURER REQUIREMENTS.
5. INSTALL SEAL FAIL AND OVERTEMP RELAYS AS PROVIDED BY PUMP MANUFACTURER; MINI-CAS OR EQUAL. SYSTEM INTEGRATOR SHALL COORDINATE WITH PUMP SUPPLIER FOR RELAYS.
6. ALL FIELD CONDUITS NOT SHOWN. CONTRACTOR SHALL ROUTE ALL RACEWAY SHOWN ON THE PLANS FROM THE WET WELL TO INTERFACE PANEL AND PUMP CONTROL PANEL.

WET WELL INTERFACE PANEL - ELEVATION

SCALE: NONE

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WET WELL INTERFACE PANEL ELEVATION

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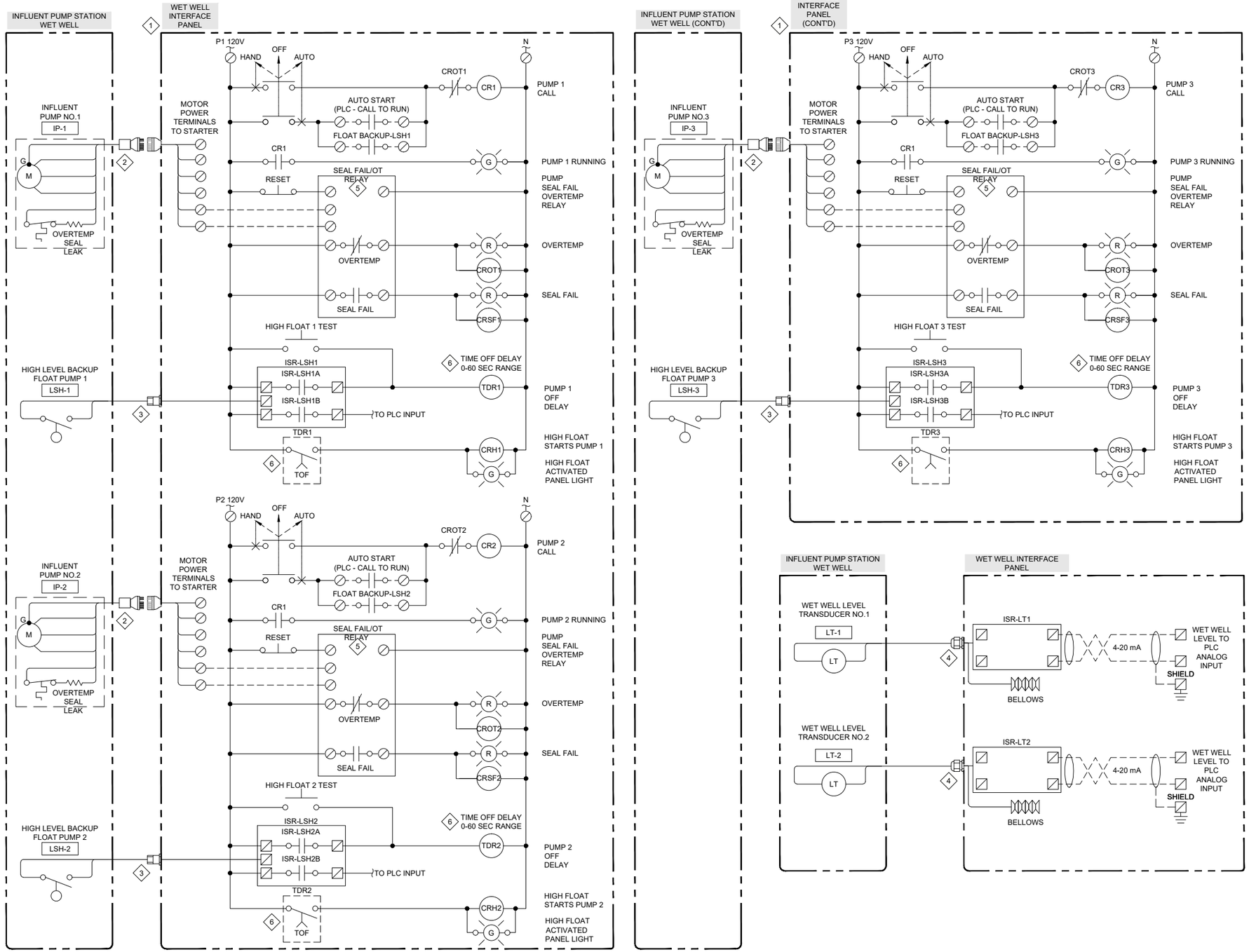
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GENERAL NOTES:

1. SYSTEM INTEGRATOR SHALL PROVIDE DETAILED CONTROL PANEL DESIGN AND DOCUMENTATION FOR A COMPLETE AND OPERATIONAL SYSTEM. ONLY MAJOR PANEL COMPONENTS ARE SPECIFIED.

NO.	REVISIONS	BY	DATE



KEY NOTES:

1. PROVIDE WET WELL INTERFACE PANEL FOR INTERFACE WITH WET WELL PUMP AND INSTRUMENTATION CABLES, LOCAL CONTROL OF INFLUENT PUMPS, SEAL FAIL AND OVERTEMP WIRING. MOUNT CONTROLS AND INDICATORS ON PANEL DOOR AS SHOWN. PROVIDE STAINLESS STEEL ENCLOSURE WITH CUSTOM SCREENED AND LOCKABLE ENCLOSURE, AS SPECIFIED. SYSTEM INTEGRATOR SHALL SIZE CONTROL PANEL TO ACCOMMODATE ALL CONTROLS AND EQUIPMENT REQUIRED.
2. TERMINATE THE PUMP MOTOR CABLES IN A 480V THREE PHASE, HP RATED DISCONNECTING PLUG AND RECEPTACLE SET. THE SYSTEM SHALL INCLUDE MOTOR LEADS, GROUND AND 2 CONTROL PINS FOR THERMAL/SEAL FAIL SENSOR WIRING. MELTRIC DECONTACTOR SERIES MODEL DS200 OR APPROVED EQUAL.
3. PROVIDE T316 STAINLESS STEEL INSTRUMENTATION CONNECTOR SETS FOR FLOAT SWITCHES. TURCK MODEL P-RKFV/RSM SERIES OR APPROVED EQUAL.
4. PROVIDE T316 STAINLESS STEEL CGB CABLE CLAMP FOR LEVEL TRANSDUCERS TO ALLOW MANUFACTURERS VENTED CABLE TO PASS INTO ENCLOSURE. CONNECT BELLOWS TO VENT TUBE PER MANUFACTURER REQUIREMENTS.
5. INSTALL SEAL FAIL AND OVERTEMP RELAYS AS PROVIDED BY PUMP MANUFACTURER; MINI-CAS OR EQUAL. SYSTEM INTEGRATOR SHALL COORDINATE WITH PUMP SUPPLIER FOR RELAYS.
6. TIME OFF DELAY RELAYS SET FOR TRUE-OFF DELAY. WHEN INPUT POWER IS TURNED ON, THE OUTPUT CONTACT CHANGES STATE. WHEN POWER IS REMOVED, THE TIME DELAY BEGINS. THE OUTPUT CONTACT RETURNS TO NORMAL STATE AT THE END OF THE TIME DELAY. FIELD-ADJUST TIME OFF DELAY BASED ON WET WELL PUMP DOWN RATES.

WET WELL INTERFACE PANEL FUNCTIONAL WIRING DIAGRAM

SCALE: NONE

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WET WELL INTERFACE PANEL WIRING DIAGRAMS

DATE 2-23-2024 | SCALE AS SHOWN | JOB NUMBER 2023-069

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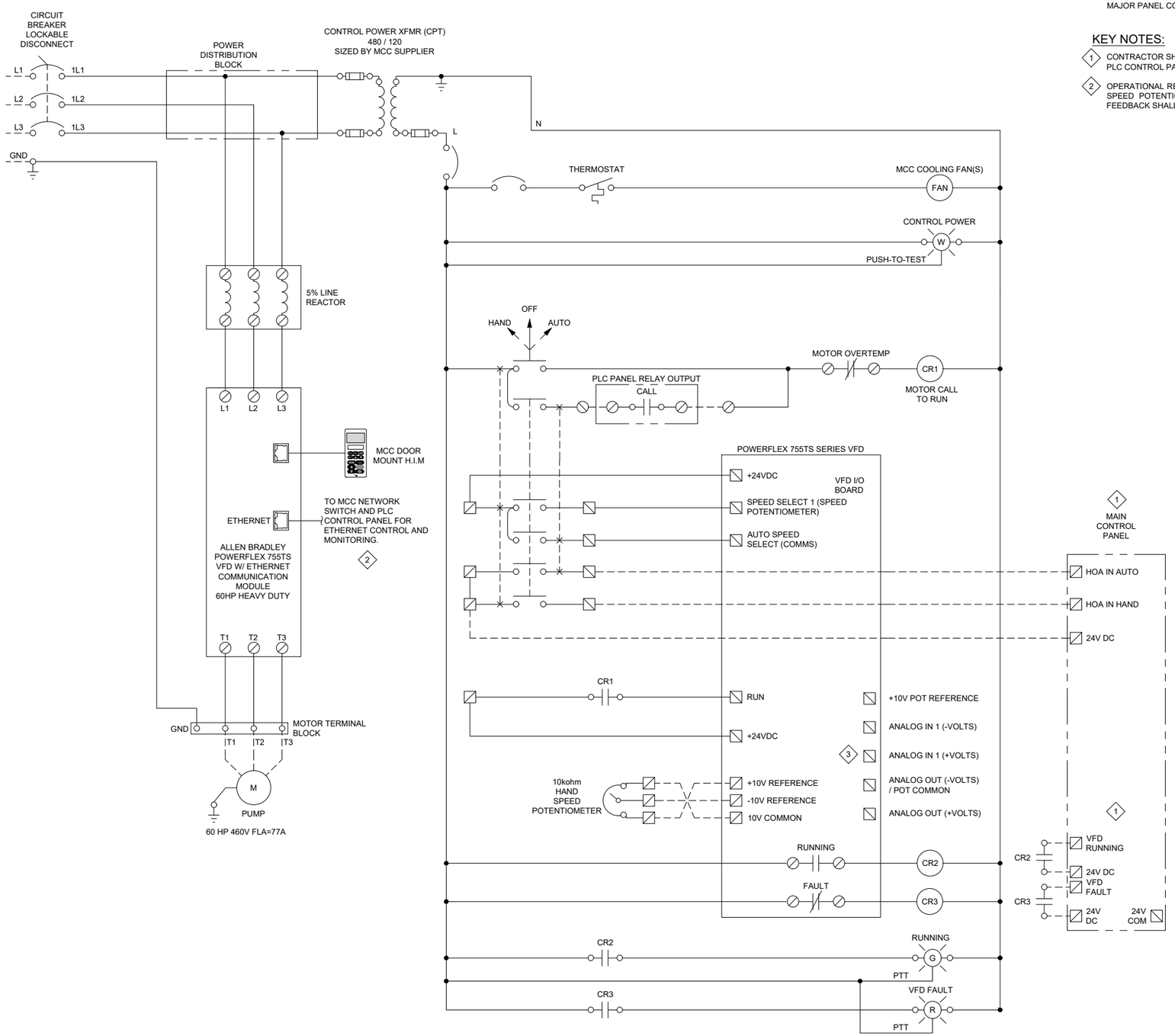
NO.	REVISIONS	BY	DATE

GENERAL NOTES:

1. WIRING DIAGRAMS ARE DIAGRAMMATIC. MCC SUPPLIER SHALL PROVIDE DETAILED DESIGN AND DOCUMENTATION FOR A COMPLETE AND OPERATIONAL SYSTEM. ONLY MAJOR PANEL COMPONENTS ARE SPECIFIED.

KEY NOTES:

1. CONTRACTOR SHALL PROVIDE ALL INTERCONNECTING WIRING BETWEEN MCC AND PLC CONTROL PANEL.
2. OPERATIONAL REQUIREMENTS: IN HAND, SPEED CONTROL SHALL BE SELECTED FROM SPEED POTENTIOMETER ON MCC DOOR. IN AUTO, SPEED COMMAND AND SPEED FEEDBACK SHALL BE DIRECT TO THE PLC VIA THE ETHERNET COMMUNICATIONS PORT.



VFD FUNCTIONAL WIRING DIAGRAMS (TYP 3)

SCALE: NONE

60% DESIGN

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Wenatchee, WA 98801

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BELLINGHAM WASHINGTON PROFESSIONAL ENGINEER BRIAN ZIESMER 21807 STATE OF WASHINGTON

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SEQUIM WASHINGTON

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

MOTOR CONTROL CENTER – VFD WIRING DIAGRAMS

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CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

SEQUIM WASHINGTON

ELECTRICAL SCHEDULES

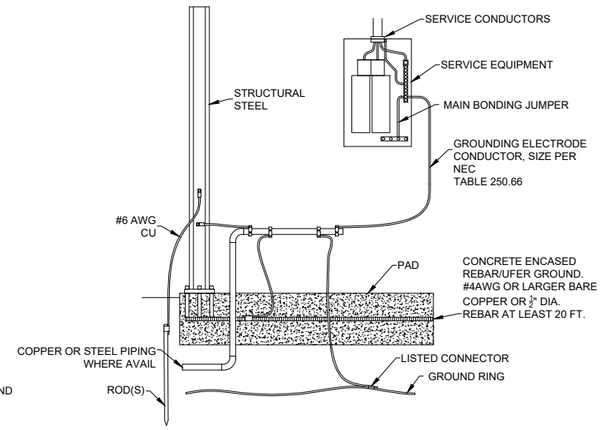
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E8.1	2-23-2024	AS SHOWN	2023-069

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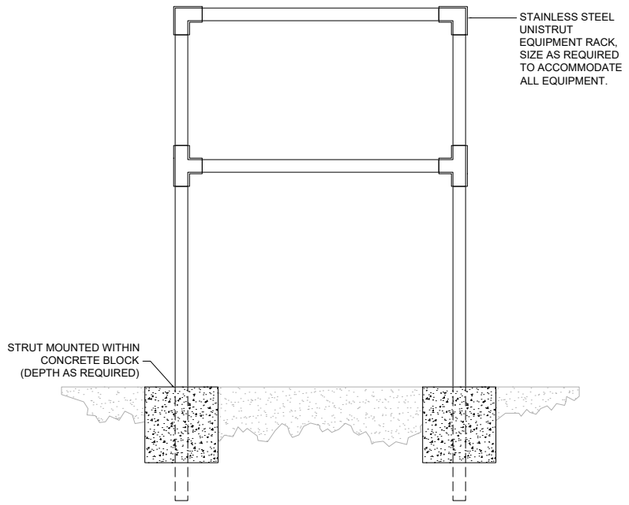
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SCALE: NONE



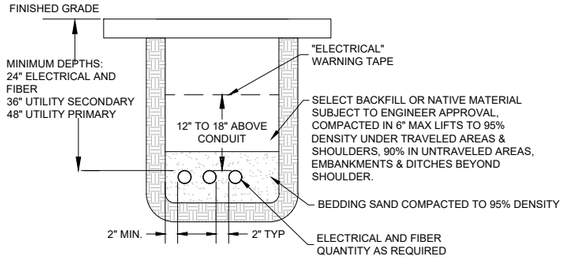
GENERAL NOTES:

1. PROVIDE COMPLETE GROUNDING ELECTRODE SYSTEM PER NEC ART.250.
2. ALL GROUNDING ELECTRODES THAT ARE PRESENT AT EACH BUILDING OR STRUCTURE SHALL BE BONDED TOGETHER TO FORM THE GROUNDING ELECTRODE SYSTEM.

1 GROUNDING SYSTEM DETAIL
--- SCALE: NONE



2 EQUIPMENT RACK DETAIL
--- SCALE: NONE



GENERAL NOTES:

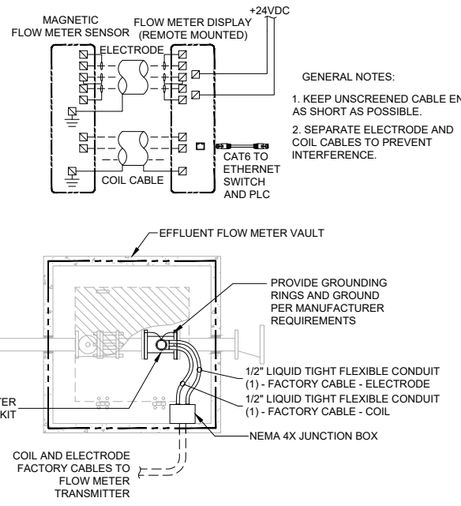
1. ALL UTILITY RACEWAY SHALL BE INSTALLED PER PUD THREE PHASE COMMERCIAL CONSTRUCTION STANDARDS BASED ON LATEST REVISION.
2. PROVIDE 2" SEPARATION BETWEEN MULTIPLE CONDUITS AND NEAREST SIDEWALL.
3. TRENCH WIDTH TO ACCOMMODATE ALL CONDUITS AND SERVICES.
4. BACKFILL IN ACCORDANCE WITH UTILITY AND CIVIL STANDARDS.
5. CONDUIT SHALL BE BEDDED W/SAND (3" BASE & 3" COVER MIN).
6. INSTALL CONDUIT BASE SPACERS FOR BOTTOM ROW AT 5' INTERVALS.
7. MINIMUM CLEARANCES TO OTHER UTILITIES:
   - 7.1. WATER LINES: 24" HORIZONTAL 6" VERTICAL
   - 7.2. IRRIGATION: 12" HORIZONTAL OR VERTICAL
   - 7.3. TELEPHONE AND CABLE TV: 12" HORIZONTAL
   - 7.4. GAS: 24" HORIZONTAL
   - 7.5. SEWER: 12" VERTICAL AT CROSSINGS PER JURISDICTION
   - 7.6. STORM DRAIN: 12" VERTICAL AT CROSSINGS PER JURISDICTION

3 ELECTRICAL RACEWAY AND TRENCHING DETAIL
--- SCALE: NONE

NO.	REVISIONS	BY	DATE

ZTEK ENGINEERING
123 Ohme Garden Rd, Suite C1
Wenatchee, WA 98801

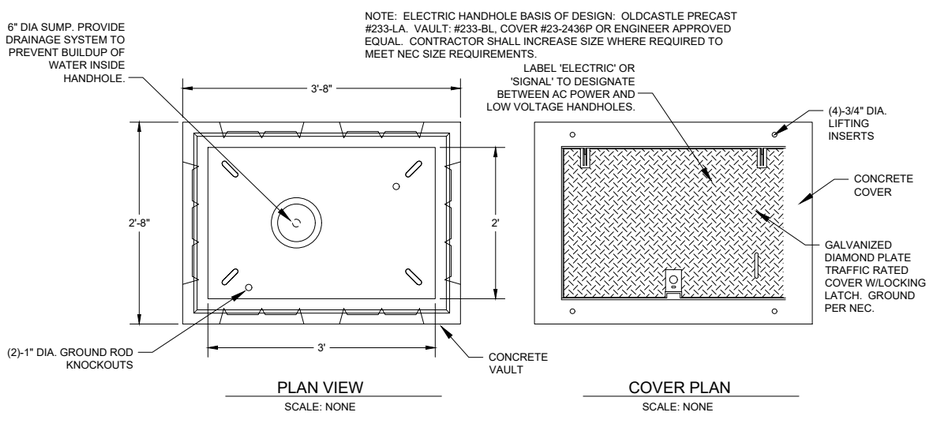
WILSON ENGINEERING
WILSONENGINEERING.COM



GENERAL NOTES:

1. KEEP UNSCREENED CABLE ENDS AS SHORT AS POSSIBLE.
2. SEPARATE ELECTRODE AND COIL CABLES TO PREVENT INTERFERENCE.

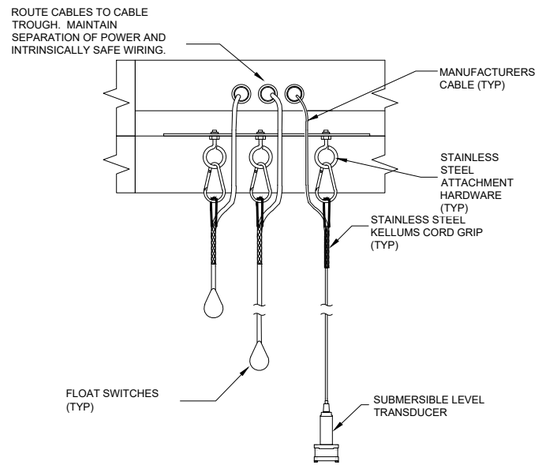
4 VAULT FLOW METER DETAIL
--- SCALE: NONE



PLAN VIEW
SCALE: NONE

COVER PLAN
SCALE: NONE

5 HANDHOLE DETAIL
--- SCALE: NONE



6 WET WELL INSTRUMENTATION DETAIL
--- SCALE: NONE

811 Call 811 two business days before you dig

60% DESIGN

CITY OF SEQUIM

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

SEQUIM WASHINGTON

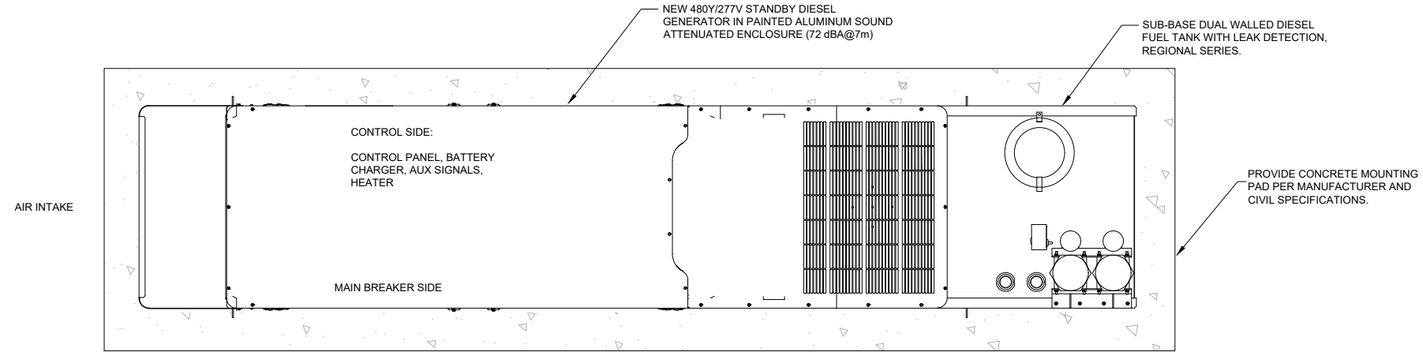
ELECTRICAL DETAILS

DESIGNED BY	DRAWN BY	CHECKED BY
BZ	BZ	BZ

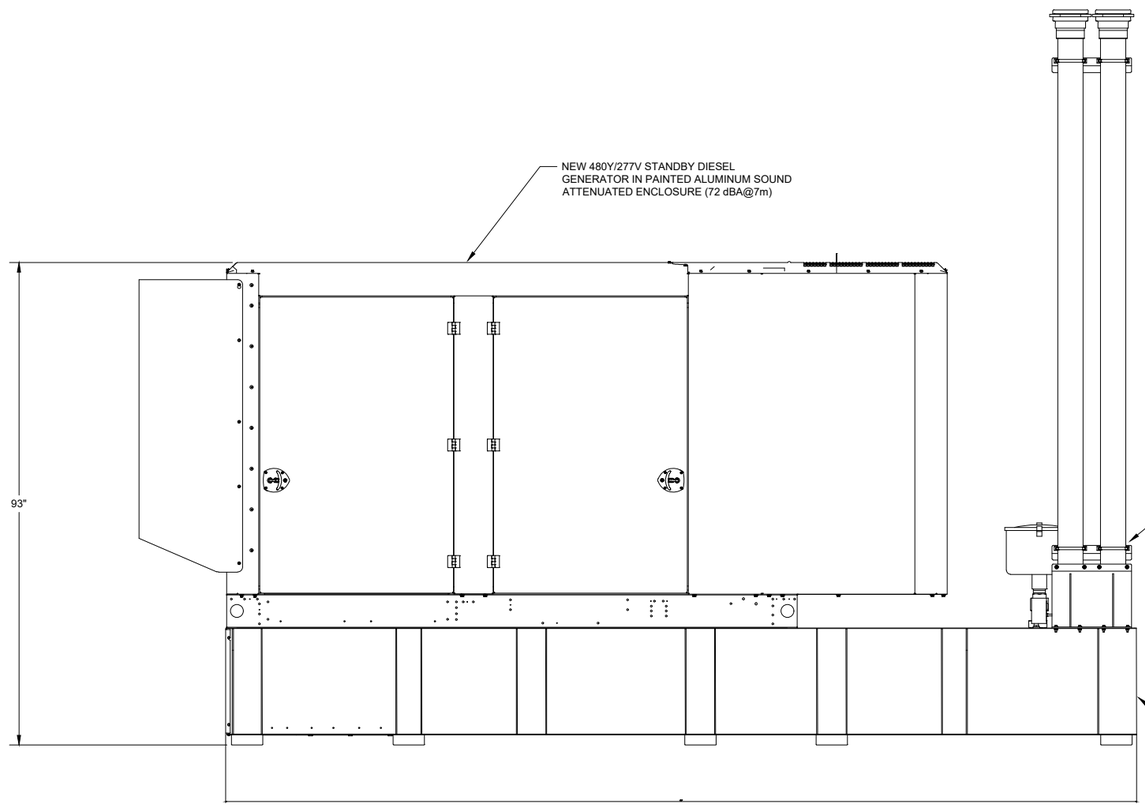
DATE	SCALE	JOB NUMBER
2-23-2024	AS SHOWN	2023-069

SHEET E9.1 PAGE OF

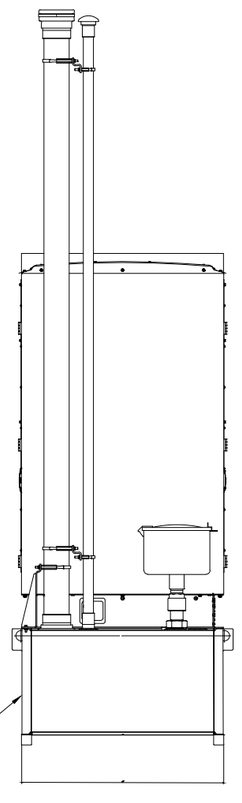
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GENERATOR PLAN VIEW
NOT TO SCALE



GENERATOR ELEVATION - SIDE
NOT TO SCALE



GENERATOR ELEVATION - END
NOT TO SCALE

Call 811 two business days before you dig

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NO.	REVISIONS	BY	DATE

ZTEK ENGINEERING
123 Ohme Garden Rd, Suite C1
Wenatchee, WA 98801

WILSON ENGINEERING
WILSONENGINEERING.COM

DESIGNED BY BZ | DRAWN BY BZ | CHECKED BY BZ

CITY OF SEQUIM

SEQUIM WASHINGTON

WEST SEQUIM BAY ROAD CORRIDOR PROJECT

GENERATOR DETAILS

DATE 2-23-2024 | SCALE AS SHOWN | JOB NUMBER 2023-069

SHEET E9.2 | PAGE OF

PLOT SETTINGS: RICOH 8X11- B&W.pc3, Letter, Portrait, 1:1.05, WE APWA_UNSCREENED.ctb
C:\USERS\BRIAN\ONEDRIVE - ZTEK LLC\Z_PROJECTS\2023_JOBS\P23107 - WILSON - SEQUIM WEST BAY ROAD PUMP STATION\DRAWINGS\WORKING\SEQUIM_WEST_BAY_ELECTRICAL.DWG - 2/23/2024 10:52 AM - Brian Ziesmer