

DEPARTMENT OF PUBLIC WORKS  
GRAYS HARBOR COUNTY

WISHKAH ROAD FLOODWALL  
SEPTEMBER 2014

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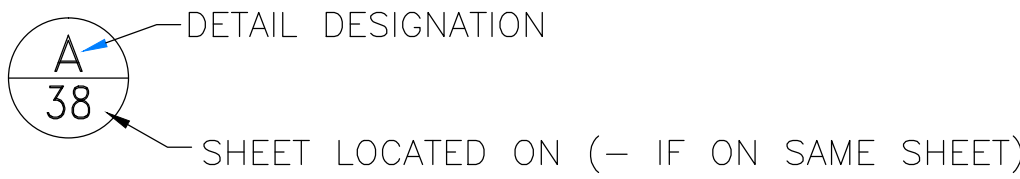
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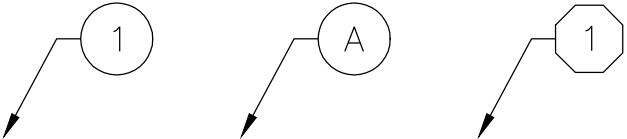
SHEET SYMBOLS



DETAIL



SECTION



NOTE REFERENCE

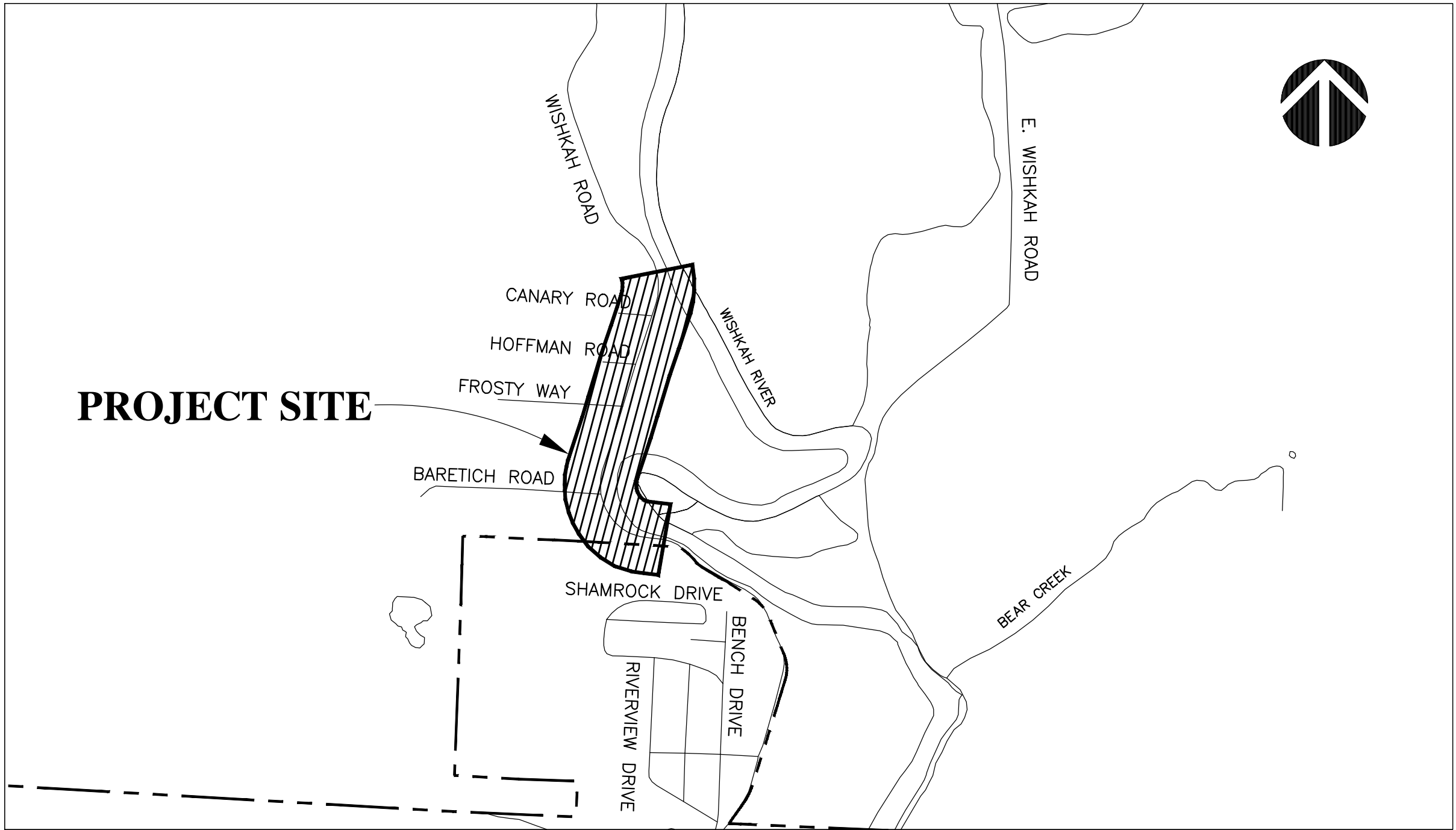
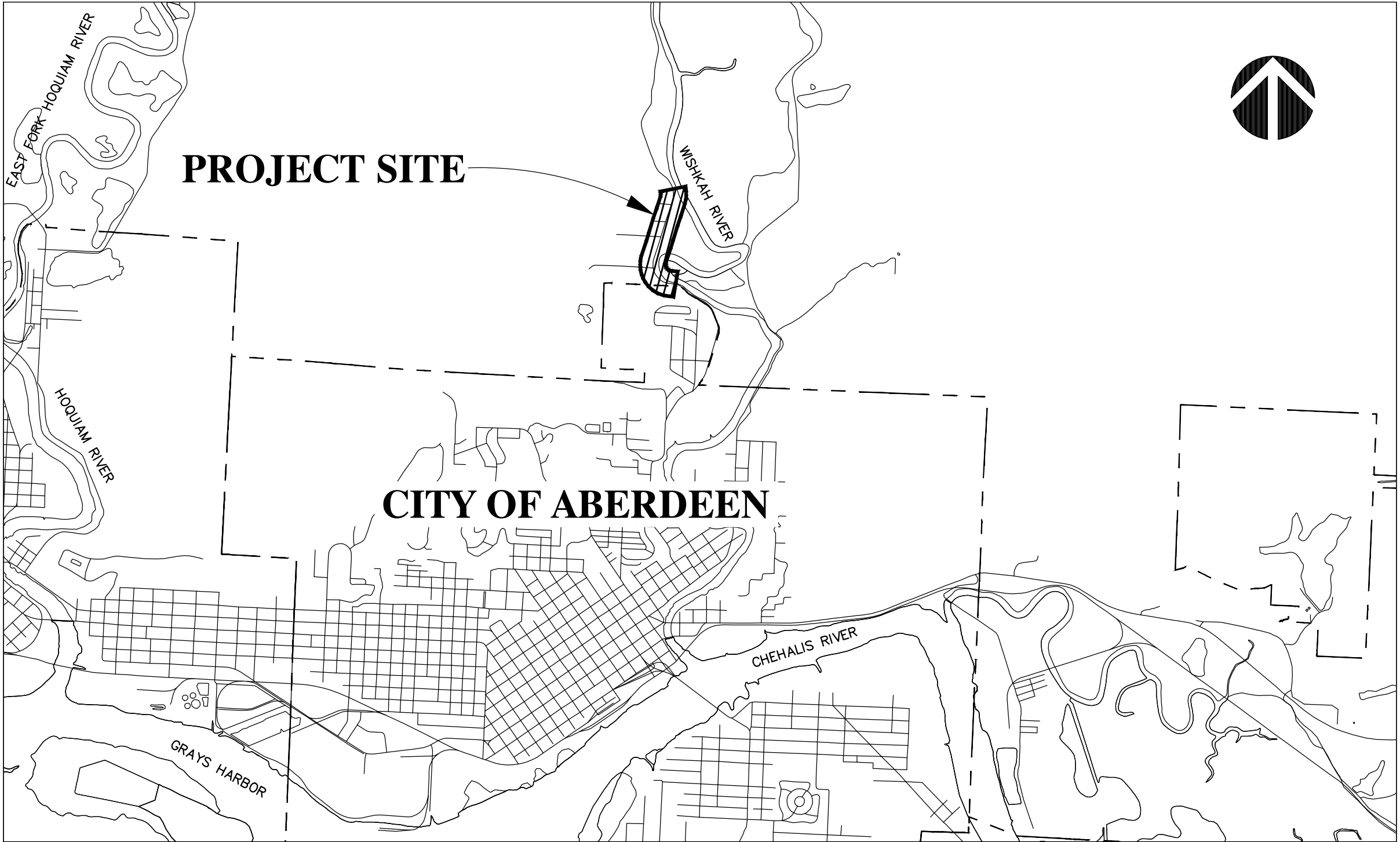
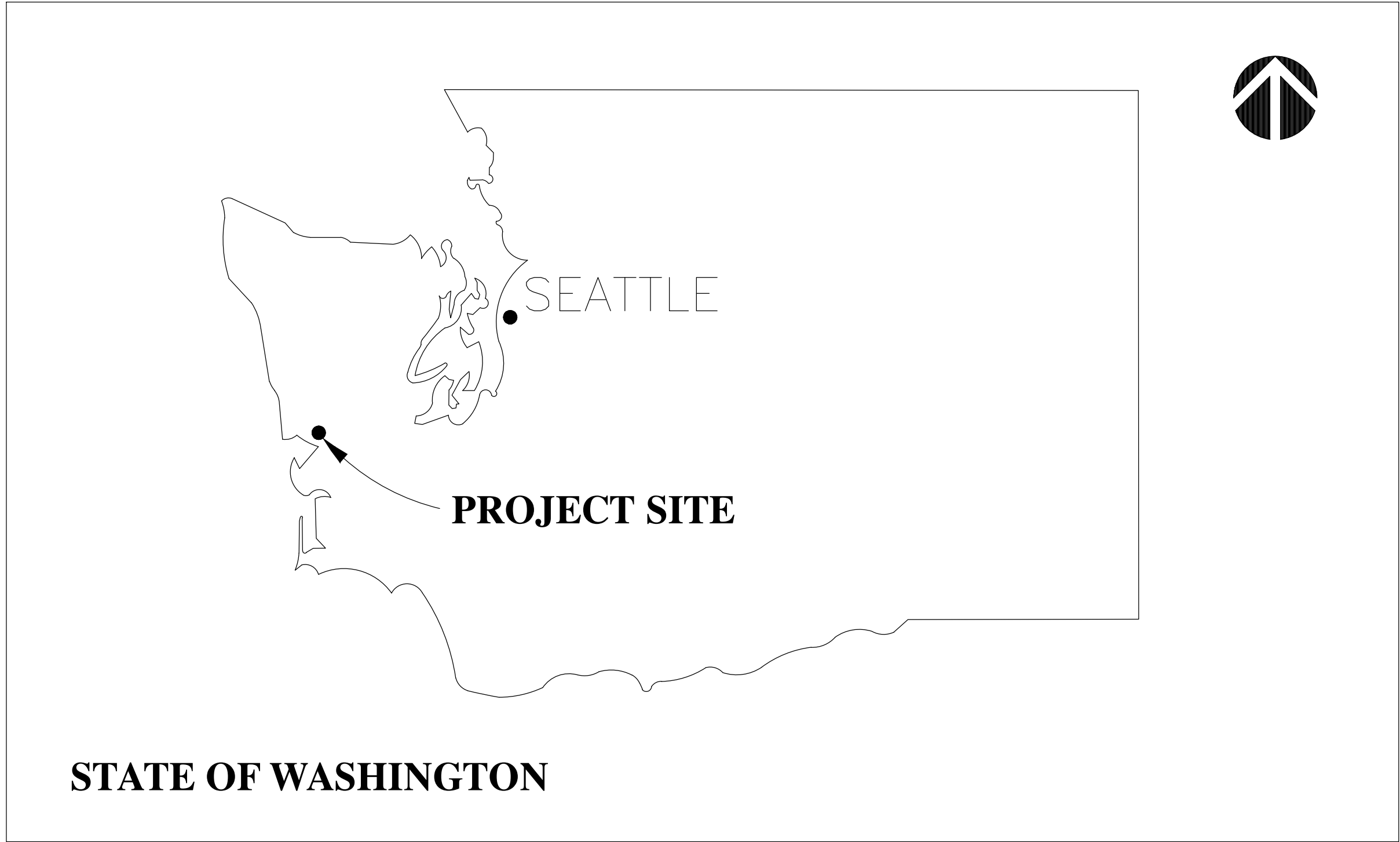
REFERENCE DESIGNATION TO NOTE  
APPEARING ON SAME SHEET OR A  
PART OR MATERIAL IN A SCHEDULE

ABBREVIATIONS (TO BE CROSS-CHECKED AT 60% DESIGN)

”	– INCHES	OHWM	– ORDINARY HIGH WATER MARK
AASHTO	– AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	PE	– POLYETHYLENE
ABD	–	PI	– POINT OF INTERSECTION
AISC	– AMERICAN INSTITUTE OF STEEL CONSTRUCTION	PROP	– PROPOSED
APPROX	– APPROXIMATE	PSF	– POUNDS PER SQUARE FOOT
ASTM	– AMERICAN SOCIETY FOR TESTING AND MATERIALS	PSI	– POUNDS PER SQUARE INCH
AVG	– AVERAGE	QTY	– QUANTITY
AWS	– AMERICAN WELDING SOCIETY	RD	– ROAD
AWWA	– AMERICAN WATER WORKS ASSOCIATION	REF	– REFERENCE
BMP	– BEST MANAGEMENT PRACTICE	REQ'D	– REQUIRED
BP	– BUFFER PLANTING	ROW	– RIGHT-OF-WAY
BTWN	– BETWEEN	S	– SOUTH
CESCL	– CERTIFIED EROSION AND SEDIMENT CONTROL LEAD	SCH	– SCHEDULE
CF	– CUBIC FEET	SE	– SOUTHEAST
CFM	– CUBIC FEET PER MINUTE	SEPT	– SEPTEMBER
C/L	– CENTERLINE	SF	– SQUARE FEET
CMP	– CORRUGATED METAL PIPE	SHT	– SHEET
CONC	– CONCRETE	SQ FT	– SQUARE FEET
CONT	– CONTINUED	SS	– STAINLESS STEEL
CY	– CUBIC YARD	ST	– STREET
DBH	– DIAMETER AT BREAST HEIGHT	STA	– STATION
DEG	– DEGREE	SW	– SOUTHWEST
DEPT	– DEPARTMENT	SYM	– SYMBOL
DIA	– DIAMETER	TBD	– TO BE DETERMINED
D/S	– DOWNSTREAM	TCP	–
E	– EAST	TEMP	– TEMPORARY
EA	– EACH	TESC	– TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
EG	– EXISTING GRADE	TMA	–
EL	– ELEVATION	TYP	– TYPICAL
ELEV	– ELEVATION	US	– UNITED STATES
EQUIV	– EQUIVALENT	U/S	– UPSTREAM
ETC	– ET CETERA	W	– WEST
EX	– EXISTING	W/	– WITH
EXIST	– EXISTING	WAT	– WATER PIPELINE
FE	– IRON	WF	– WETLAND FLAG
FG	– FUTURE GRADE	WS	– WATER SURFACE
FT	– FEET	WSE	– WATER SURFACE ELEVATION
FTG	– FOOTING	WSDOT	– WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
GA	– GAUGE	YR	– YEAR
GAL	– GALLON		
GALV	– GALVANIZED		
GHC	– GRAYS HARBOR COUNTY		
GPM	– GALLONS PER MINUTE		
GR	– GRADE		
H	– HEIGHT		
HPA	– HYDRAULIC PROJECT APPROVAL		
HSE	– HOUSE		
IBC	– INTERNATIONAL BUILDING CODE		
ID	– INSIDE DIAMETER		
IE	– INVERT ELEVATION		
IN	– INCHES		
INC	– INCORPORATED		
LBS	– POUNDS		
LF	– LINEAR FEET		
LWD	– LARGE WOODY DEBRIS		
MAX	– MAXIMUM		
MIN	– MINIMUM		
MISC	– MISCELLANEOUS		
mm	– MILLIMETER		
M.P.	– MILE POST		
N	– NORTH		
NA	– NOT APPLICABLE		
NAVD	– NORTH AMERICAN VERTICAL DATUM		
NE	– NORTHEAST		
NTS	– NOT TO SCALE		
NTU	– NEPHELOMETRIC TURBIDITY UNIT		
NW	– NORTHWEST		
OC	– ON CENTER		
OCT	– OCTOBER		
OHW	– ORDINARY HIGH WATER		

30% DESIGN

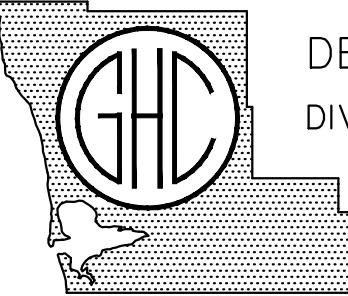
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DIVISION OF ENGINEERING & CONSTRUCTION  
  
GRAYS HARBOR COUNTY  
MONTESANO, WASHINGTON



11810 North Creek Parkway North  
Bothell, WA, U.S.A. 98011-8201  
Phone (425) 368-1000  
Fax (425) 368-1001



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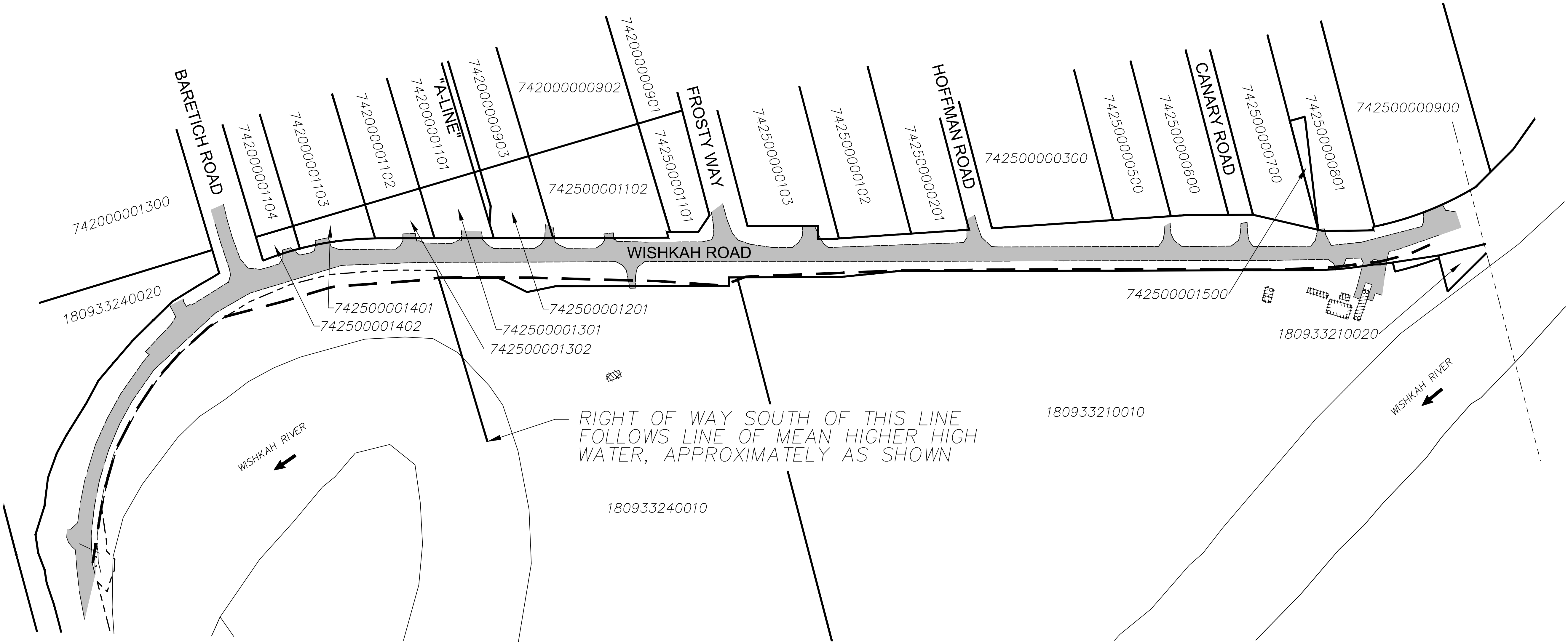
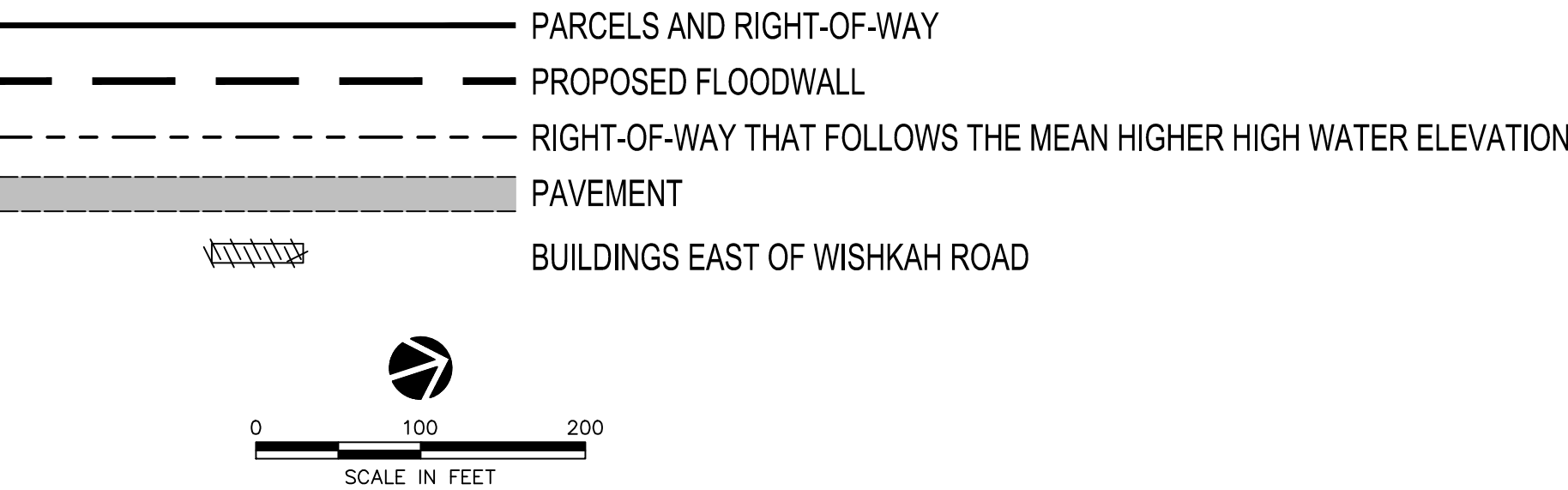
WISHKAH ROAD NO. 94311  
WISHKAH ROAD FLOODWALL  
M.P. 2.2 TO M.P. 2.7  
VICINITY MAP

PROJ. NO: C-XXXXX-XX
ACAD CREF
SCALE: AS SHOWN
SHEET: 2 OF XX



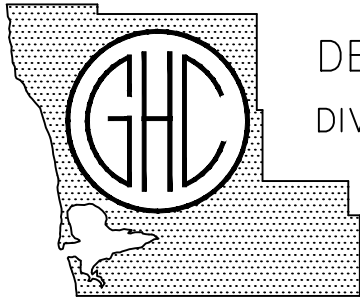
PARCELS WITH HOMES		
PARCEL NUMBER	OWNER NAME	SITUS ADDRESS
742500000801	Frank and Diane Kersh	03133 WISHKAH RD N.
742500000700	Martin Foshaug	03129 WISHKAH RD N.
742500000600	Gregory Hall	03125 WISHKAH RD
742500000500	Arthur Hall	03123 WISHKAH RD N.
742500000300	Charles Mondy	00004 HOFFMAN RD N.
742500000201	Stephen and Cheryl Moore	00005 HOFFMAN RD N.
742500000103	Michael Manenica	03103 WISHKAH RD N.
742500001102	Shawn Woods	03021 WISHKAH RD N.
742000000903	Nationstar Mortgage	03015 WISHKAH RD N.
742000001101	John Wright	03011 WISHKAH RD N.
742000001102	Betty Peterson	03009 WISHKAH RD N.
742000001103	Michael and Phyllis Zawislak	03003 WISHKAH RD N.
742000001104	Kim Bergstrom	03001 WISHKAH RD N.
742000001300	Dan Clark	02939 WISHKAH RD N.
180933210010	John Schultz	03134 WISHKAH RD
180933240010	Richard and Catherine Svangren	03022 WISHKAH RD

PARCELS WITHOUT HOMES		
PARCEL NUMBER	OWNER NAME	SITUS ADDRESS
742500000900	Frank and Diane Kersh	00000
742500001500	Martin Foshaug et al	00000
742500000102	Michael Manenica	00000
742000000901	Robert Lee	00000
742500001101	Robert Lee	00000
742000000902	Shawn Woods	00000 WISHKAH RD N.
742500001201	Nationstar Mortgage	03015 WISHKAH RD N.
742500001301	John Wright	03011 WISHKAH RD N.
742500001302	Betty Peterson	03009 WISHKAH RD N.
742500001401	Michael and Phyllis Zawislak	03003 WISHKAH RD N.
742500001402	Kim Bergstrom	03001 WISHKAH RD N.
180933240020	Dan Clark	00000
180933210020	Cascade Natural Gas Corp	00000



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MONTESANO, WASHINGTON

**amec**  
11810 North Creek Parkway North  
Bothell, WA, U.S.A. 98011-8201  
Phone (425) 368-1000  
Fax (425) 368-1001



PRELIMINARY

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	COUNTY ROAD ENGINEER	
ACCEPTED: _____	DATE: _____	
	DIRECTOR OF PUBLIC WORKS	

WISHKAH ROAD NO. 94311  
WISHKAH ROAD FLOODWALL  
M.P. 2.2 TO M.P. 2.7  
PARCEL MAP

PROJ. NO: C-XXXXX-XX
ACAD CREF
SCALE: AS SHOWN
SHEET: 3 OF XX

GENERAL NOTES:

1. THESE GENERAL NOTES ARE TO BE USED AS A SUPPLEMENT TO THE SPECIFICATIONS AND APPLY TO ALL STRUCTURAL COMPONENTS OF THE FLOODWALL. ANY DISCREPANCIES FOUND AMONG THE DRAWINGS, THE SPECIFICATIONS, THESE GENERAL NOTES, AND THE SITE CONDITIONS SHALL BE REPORTED TO THE ENGINEER, WHO SHALL CORRECT SUCH DISCREPANCY IN WRITING. ANY WORK DONE BY THE CONTRACTOR AFTER DISCOVERY OF SUCH DISCREPANCY, BUT PRIOR TO CORRECTION OF SUCH DISCREPANCY, SHALL BE DONE AT THE CONTRACTOR'S RISK.
2. ALL MAPPING OF EXISTING UTILITIES SHOWN HEREIN IS APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS AND CONNECTIONS SHOWN AND TO DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREIN WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN. THE CONTRACTOR SHALL CONTACT THE UTILITIES' UNDERGROUND LOCATION SERVICE PRIOR TO CONSTRUCTION. THE OWNER OR HIS REPRESENTATIVE SHALL BE IMMEDIATELY CONTACTED IF A UTILITY CONFLICT EXISTS.
3. THE UNDERGROUND UTILITIES SHOWN HEREIN HAVE BEEN LOCATED FROM A COMBINATION OF:  
1.) THE FIELD-SURVEYED LOCATION OF VISIBLE SURFACE UTILITY STRUCTURES, SUCH AS MANHOLE LIDS, CATCH BASIN GRATES, GAS AND WATER VALVE LIDS, ETC.; 2.) THE FIELD-SURVEYED LOCATION OF PAINT OR OTHER MARKS OR MARKERS PLACED BY AN UNDERGROUND UTILITY LOCATOR SERVICE.
4. THE CONTRACTOR SHALL PROVIDE REGULAR MAINTENANCE AND CLEANING OF THE WORK AREAS, ROADS, AND FACILITIES USED BY THE CONTRACTOR AND SUBCONTRACTORS. REFER TO TESC NOTES AND DETAIL SHEET 12.
5. CONSTRUCTION EQUIPMENT SHALL BE CONTINUOUSLY MAINTAINED IN TOP WORKING ORDER AND FREE OF LEAKING FLUIDS. EQUIPMENT THAT IN THE SOLE OPINION OF THE ENGINEER IS IN POOR OPERATING CONDITION SHALL BE REMOVED FROM THE SITE.
6. ALL CONSTRUCTION EQUIPMENT OPERATING IN OR NEAR FLOWING WATER MUST BE FURNISHED WITH BIODEGRADABLE HYDRAULIC FLUID.
7. A COPY OF APPROVED PLANS AND ALL PERMITS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
8. USE AND RESTORATION OF PRIVATE PROPERTY WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
9. BEDDING AND TRENCH COMPACTION:  
TRENCH BACKFILL AND BEDDING SHALL BE COMPACTED TO 95% MINIMUM OF MODIFIED PROCTOR DENSITY.
10. THESE PLANS GRAPHICALLY REPRESENT EXISTING CONDITIONS AT THE TIME OF SURVEY ONLY. THEY INCLUDE ALL READILY OBSERVABLE ABOVEGROUND EVIDENCE OF BUILDINGS, STRUCTURES, AND IMPROVEMENTS ON THE PROJECT SITE. ADDITIONAL FEATURES, IMPROVEMENTS, REMOVALS, AND ALTERATIONS MAY HAVE OCCURRED SINCE THE TIME OF THIS SURVEY.
11. UTILITY INVERT ELEVATIONS AND PIPE / FLOWLINE DIAMETERS SHOWN HEREIN ARE BASED ON OBSERVATIONS FROM THE TOP OF THE UTILITY COVER AND ARE APPROXIMATE ONLY. FOR SAFETY REASONS, NO PHYSICAL ENTRY INTO THE UTILITY STRUCTURE WAS PERFORMED DURING THE COURSE OF THE SURVEY.
12. HYDROLOGIC CONDITIONS, TIDES, AND RIVER FLOWS ARE ENTIRELY BEYOND CONTROL OF GRAYS HARBOR COUNTY. CONTRACTOR IS SOLELY RESPONSIBLE FOR DESIGN OF COFFERDAMMING, DIVERSION, AND DEWATERING FACILITIES AND FOR DETERMINING THEIR ADEQUACY.

## IN-WATER WORK NOTES:

1. IN-WATER WORK MAY BEGIN \_\_\_\_ (TBD).
2. IF SUCH WORK REQUIRES THAT A BYPASS BE CREATED, THE BYPASS, ALONG WITH ANY SUITABLY DESIGNED OVERFLOW CHANNELS, MUST BE ABLE TO CONVEY ALL ANTICIPATED FLOWS, ALONG WITH ANY ASSOCIATED DEBRIS, ACCORDING TO PERMIT CONDITIONS.
3. THE IN-WATER WORK PERIOD ENDS \_\_\_\_ (TBD).

CODES:

1. ALL METHODS, MATERIALS, AND WORKMANSHIP SHALL CONFORM TO THE 2010 EDITION OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (STANDARD SPECIFICATIONS) AND THE 2009 INTERNATIONAL BUILDING CODE.
2. ALL REFERENCE TO OTHER CODES AND STANDARDS (ACI, ASTM, ETC.) SHALL BE FOR THE LATEST OR MOST CURRENT EDITION AVAILABLE, EXCEPT AS DESIGNATED BY THE GOVERNING CODE.

COORDINATION:

1. THE CONTRACTOR SHALL VERIFY AND/OR COORDINATE ALL DIMENSIONS AND CONDITIONS SHOWN ON THE CONTRACT DOCUMENTS.

## 30% DESIGN

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11810 North Creek Parkway North  
Bothell, WA, U.S.A. 98011-8201  
Phone (425) 368-1000  
Fax (425) 368-1001

**PRELIMINARY**

DSGN:     \_\_\_   DRN:     \_\_\_   CHKD:     \_\_\_   

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APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

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COUNTY ROAD ENGINEER

---

ACCEPTED: \_\_\_\_\_ DATE: \_\_\_\_\_

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DIRECTOR OF PUBLIC WORKS

WISHKAH ROAD NO. 94311

WISHKAH ROAD FLOODWALL

M.P. 2.2 TO M.P. 2.7

GENERAL NOTES

PROJ. NO: C—XXXXX—XX

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ACAD CREF

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SCALE: AS SHOWN

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SHEET:     4   OF     XX



LEGEND

• SURVEY CONTROL POINT

PROPOSED FLOODWALL

PARCELS AND RIGHT-OF-WAY

RIGHT-OF-WAY THAT FOLLOWS THE MEAN HIGHER HIGH WATER ELEVATION

ROAD CENTERLINE

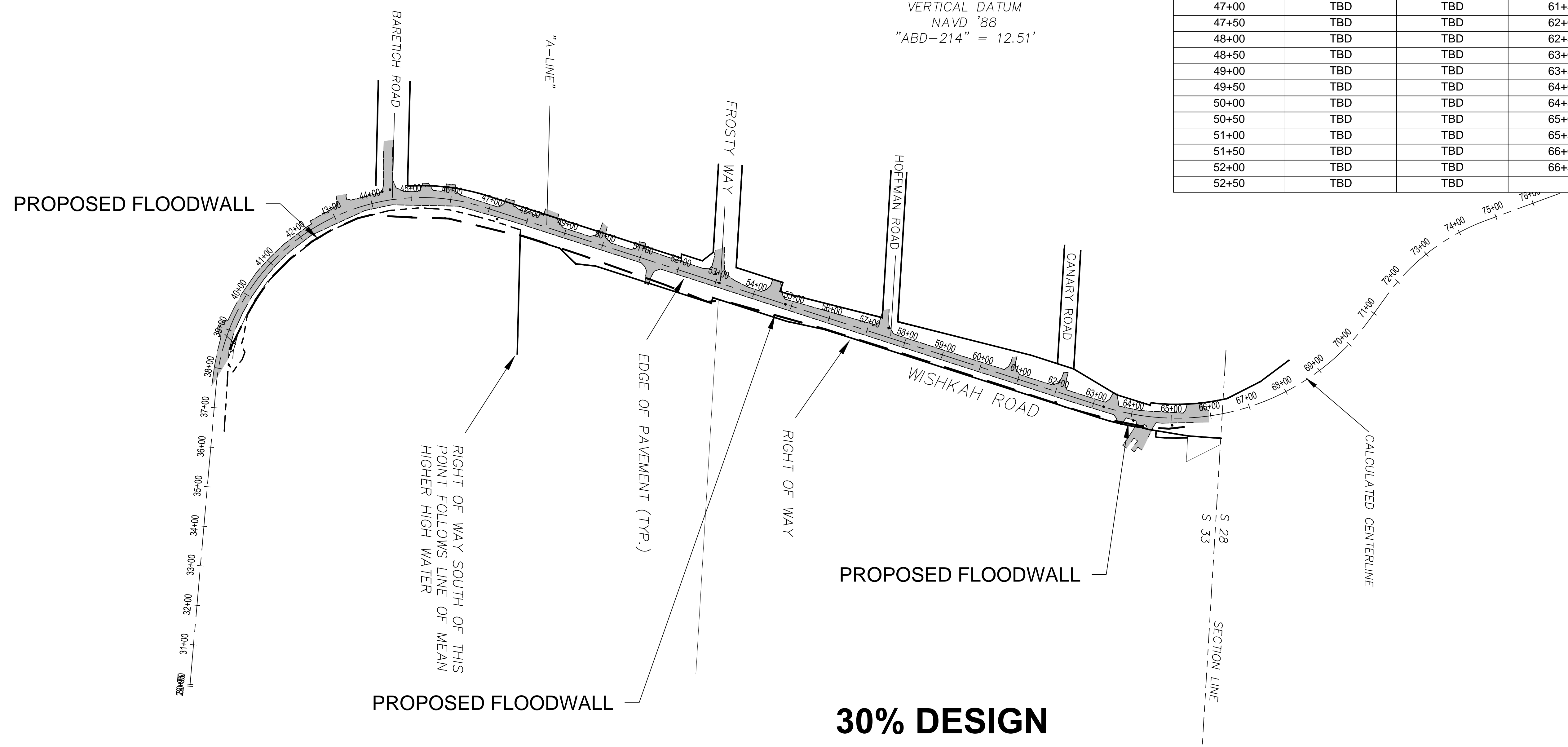
PAVEMENT

0300600

1"=150'


MERIDIAN ASSUMED  
THE BASIS OF BEARINGS FOR  
THIS SURVEY IS THE CENTERLINE  
OF WISHKAH ROAD.

VERTICAL DATUM  
NAVD '88  
"ABD-214" = 12.51'




PROPOSED FLOODWALL ALIGNMENT AND ELEVATION					
ROAD STATION	OFFSET	ELEVATION	ROAD STATION	OFFSET	ELEVATION
38+50	TBD	TBD	53+00	TBD	TBD
39+00	TBD	TBD	53+50	TBD	TBD
39+50	TBD	TBD	54+00	TBD	TBD
40+00	TBD	TBD	54+50	TBD	TBD
40+50	TBD	TBD	55+00	TBD	TBD
41+00	TBD	TBD	55+50	TBD	TBD
41+50	TBD	TBD	56+00	TBD	TBD
42+00	TBD	TBD	56+50	TBD	TBD
42+50	TBD	TBD	57+00	TBD	TBD
43+00	TBD	TBD	57+50	TBD	TBD
43+50	TBD	TBD	58+00	TBD	TBD
44+00	TBD	TBD	58+50	TBD	TBD
44+50	TBD	TBD	59+00	TBD	TBD
45+00	TBD	TBD	59+50	TBD	TBD
45+50	TBD	TBD	60+00	TBD	TBD
46+00	TBD	TBD	60+50	TBD	TBD
46+50	TBD	TBD	61+00	TBD	TBD
47+00	TBD	TBD	61+50	TBD	TBD
47+50	TBD	TBD	62+00	TBD	TBD
48+00	TBD	TBD	62+50	TBD	TBD
48+50	TBD	TBD	63+00	TBD	TBD
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51+00	TBD	TBD	65+50	TBD	TBD
51+50	TBD	TBD	66+00	TBD	TBD
52+00	TBD	TBD	66+50	TBD	TBD
52+50	TBD	TBD			


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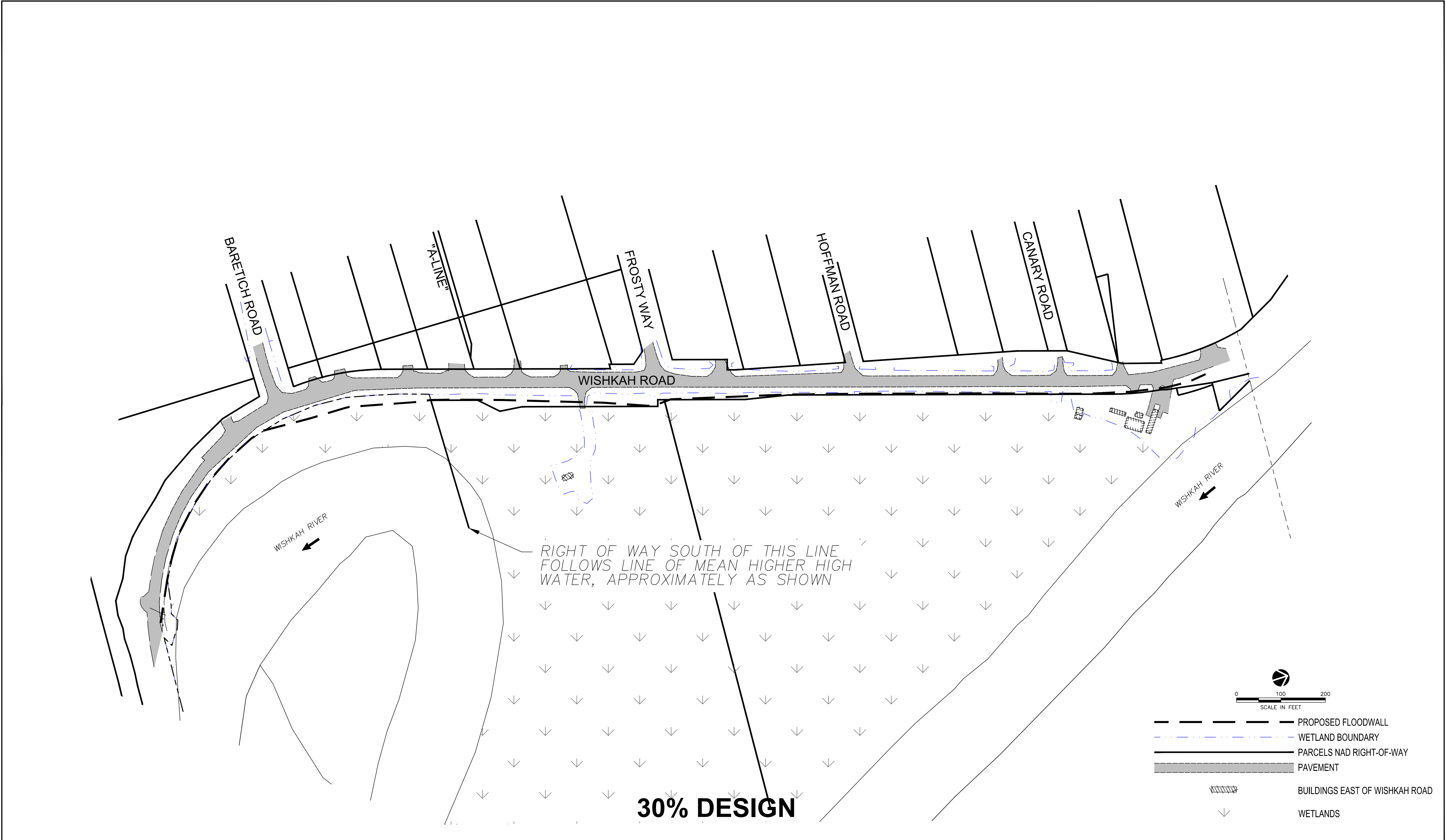


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DIRECTOR OF PUBLIC WORKS		

WISHKAH ROAD NO. 94311  
WISHKAH ROAD FLOODWALL  
M.P. 2.2 TO M.P. 2.7  
SURVEY CONTROL AND ALIGNMENT PLAN

PROJ. NO: C-XXXXX-XX
ACAD CREF
SCALE: AS SHOWN
SHEET: 5 OF XX




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DIRECTOR OF PUBLIC WORKS		

WISHKAH ROAD NO. 94311  
WISHKAH ROAD FLOODWALL  
M.P. 2.2 TO M.P. 2.7  
SITE VICINITY AND ACCESS

PROJ. NO: C-XXXXX-XX
ACAD CREF
SCALE: AS SHOWN
SHEET: 6 OF XX



SEQUENCING NOTES

1. ESTABLISH UPLAND TESC MEASURES, INCLUDING:  
a. CREATE SUITABLE CONSTRUCTION ENTRANCES AT 3022 AND 3134 WISHKAH ROAD  
b. CREATE DURABLE AREA(S) FOR STAGING EQUIPMENT AND MATERIALS  
c. INSTALL SILT FENCE AND OTHER BMPS THROUGHOUT THE PROJECT AREA

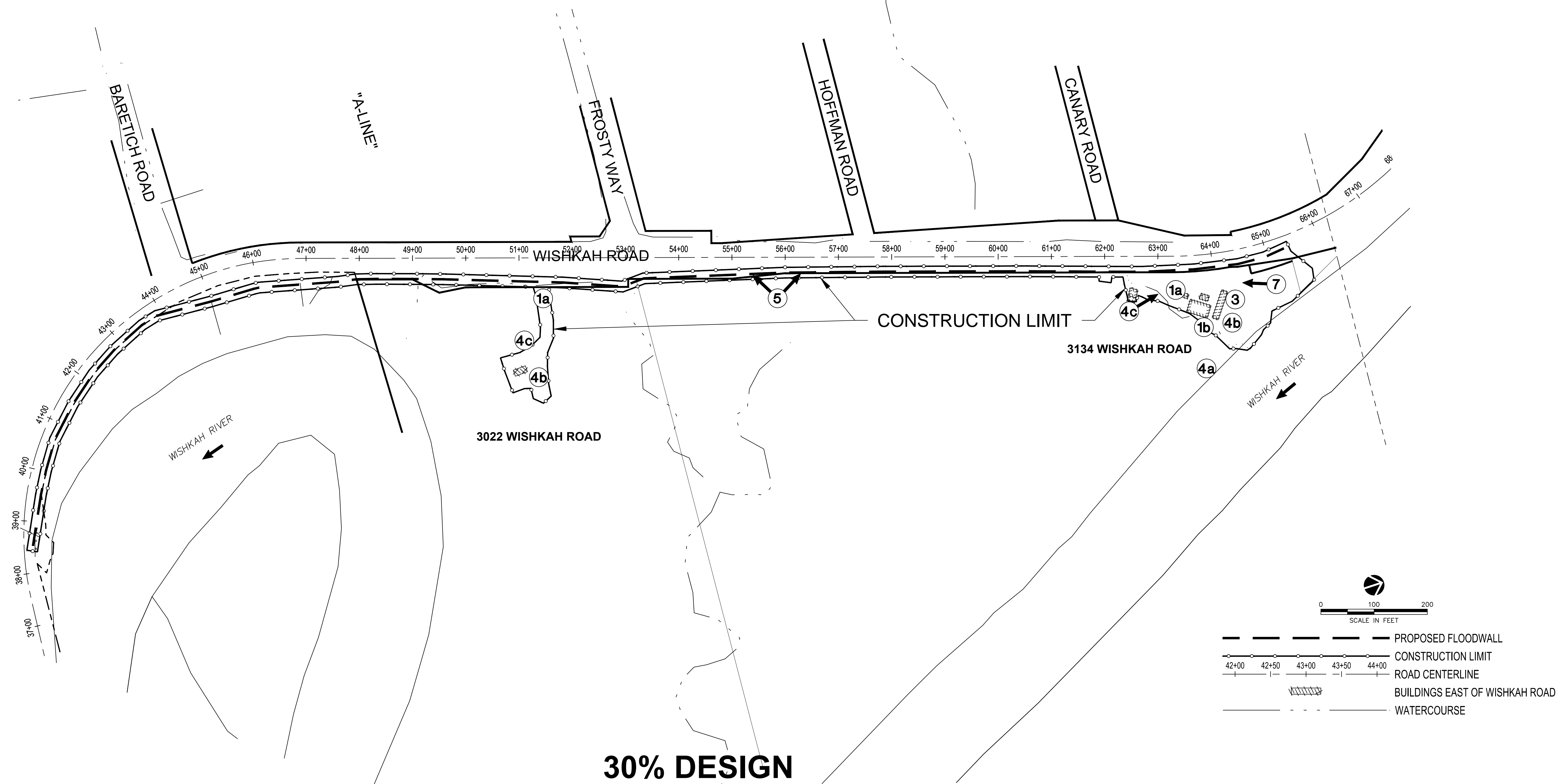
2. ESTABLISH TRAFFIC CONTROL AND INSTALL CONSTRUCTION SIGNS AS SHOWN ON TRAFFIC CONTROL PLAN
3. INSTALL JOB SHACK

4. COMPLETE THE DEMOLITION AND CONSTRUCTION WORK EAST OF THE FLOODWALL BEFORE ITS CONSTRUCTION BLOCKS ACCESS TO THESE AREAS; SUCH WORK INCLUDES:  
a. REMEDIATE THE KNOWN LEAD CONTAMINATION AT 3134 WISHKAH ROAD IN ACCORDANCE WITH PERMITS AND RESTORE SITE TOPOGRAPHY WITH CLEAN FILL SOIL, THEN RESTORE VEGETATION AS SHOWN IN PLANTING PLAN  
b. PERFORM DEMOLITION AT 3022 AND 3134 WISHKAH ROAD
- c. REMOVE FILL AT 3022 AND 3134 WISHKAH ROAD THAT DOES NOT NEED TO REMAIN DURING CONSTRUCTION AND RESTORE VEGETATION AS SHOWN IN PLANTING PLAN

5. CONSTRUCT FLOODWALL
6. WHEN INSTALLING THE FLOODWALL ACROSS A WATERCOURSE, PERFORM THE FOLLOWING ACCORDING TO PERMIT CONDITIONS:  
a. BLOCK FISH ACCESS UPSTREAM AND DOWNSTREAM OF THE WORK AREA WITH COFFER DAMS  
b. CONSIDER THE HEIGHT OF THE COFFER DAM NEEDED

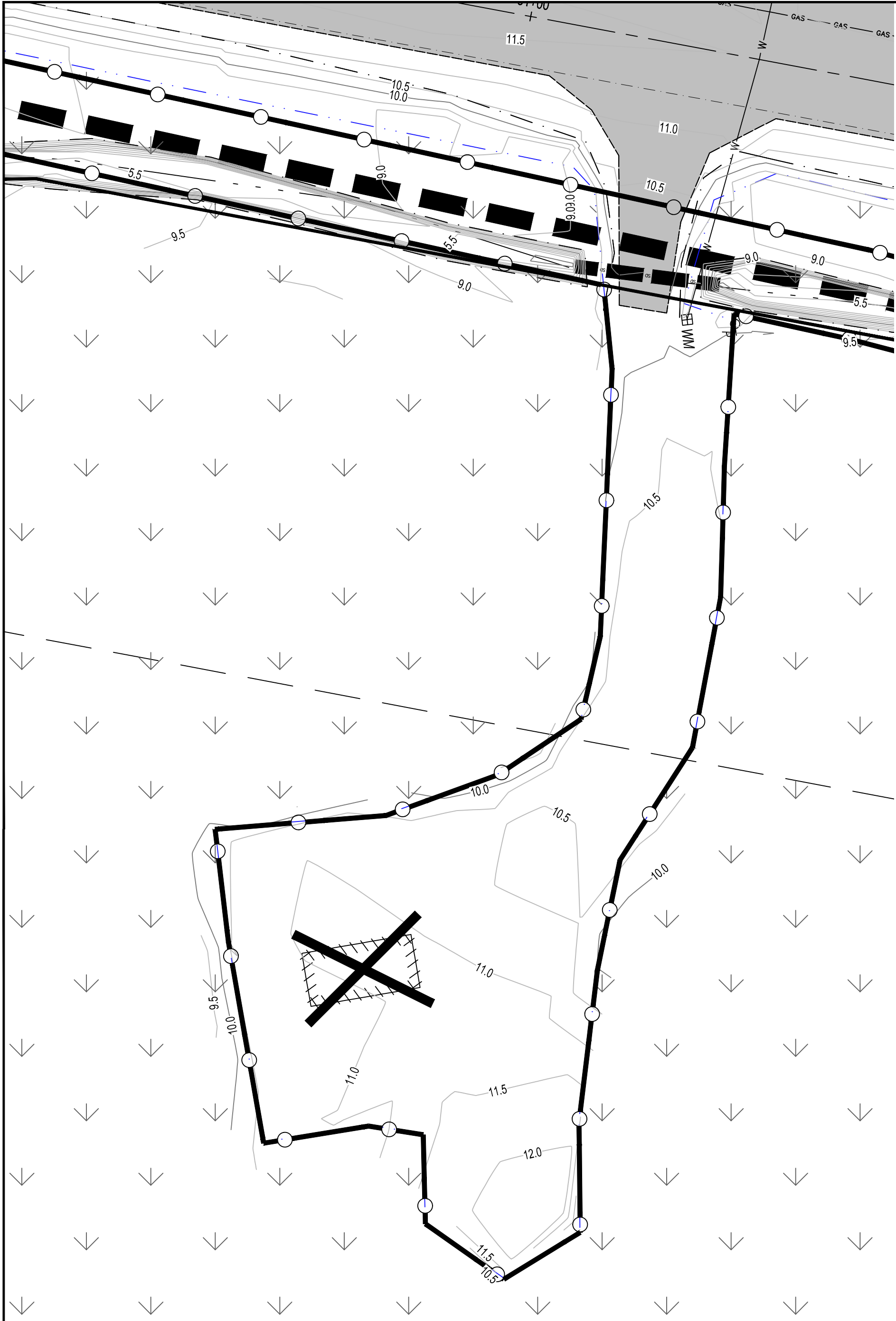
7. COMPLETE THE REMAINING DEMOLITION AND EXPORT OF FILL AT 3134 WISHKAH ROAD
- TO PREVENT OVERTOPPING, SINCE THE WATER LEVEL AT THE SITE IS AFFECTED BY BOTH TIDES AND RIVER FLOWS  
c. BYPASS THE WATER FLOW AROUND THE WORK AREA  
d. REMOVE FISH FROM THE WORK AREA  
e. PUMP WATER FROM WITHIN THE WORK AREA TO SUITABLE RECEPTION AREA(S)  
f. CONSTRUCT TIDE GATE PENETRATIONS IN FLOODWALL  
g. INSTALL TIDE GATE  
h. REMOVE COFFER DAMS AND WATER BYPASS SYSTEM

8. FINAL TESC:  
a. COMPLETE FINAL GRADING OF SITE  
b. PREPARE THE SOILS FOR PLANTING  
c. REMOVE SILT FENCES  
d. SEED AND MULCH
9. PLANT NATIVE VEGETATION



NO	DATE	BY	APPR	REVISIONS	<div><div><div><div></div><div>GHC</div></div><div>DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING &amp; CONSTRUCTION GRAYS HARBOR COUNTY MONTESANO, WASHINGTON</div></div></div> <div><div><div>amec</div><div>11810 North Creek Parkway North Bothell, WA, U.S.A. 98011-8201 Phone (425) 368-1000 Fax (425) 368-1001</div></div></div> <div><div><div><div></div><div>PRELIMINARY</div></div></div></div> <div><div>DSGN: _____ DRN: _____ CHKD: _____</div><div>APPROVED: _____ DATE: _____</div><div>COUNTY ROAD ENGINEER</div><div>ACCEPTED: _____ DATE: _____</div><div>DIRECTOR OF PUBLIC WORKS</div></div> <div><div>WISHKAH ROAD NO. 94311 WISHKAH ROAD FLOODWALL M.P. 2.2 TO M.P. 2.7 GENERAL LAYOUT, FLOODWALL, AND CONSTRUCTION SEQUENCING</div></div> <div><div>PROJ. NO: C-XXXXX-XX</div><div>ACAD CREF</div><div>SCALE: AS SHOWN</div><div>SHEET: 7 OF XX</div></div>



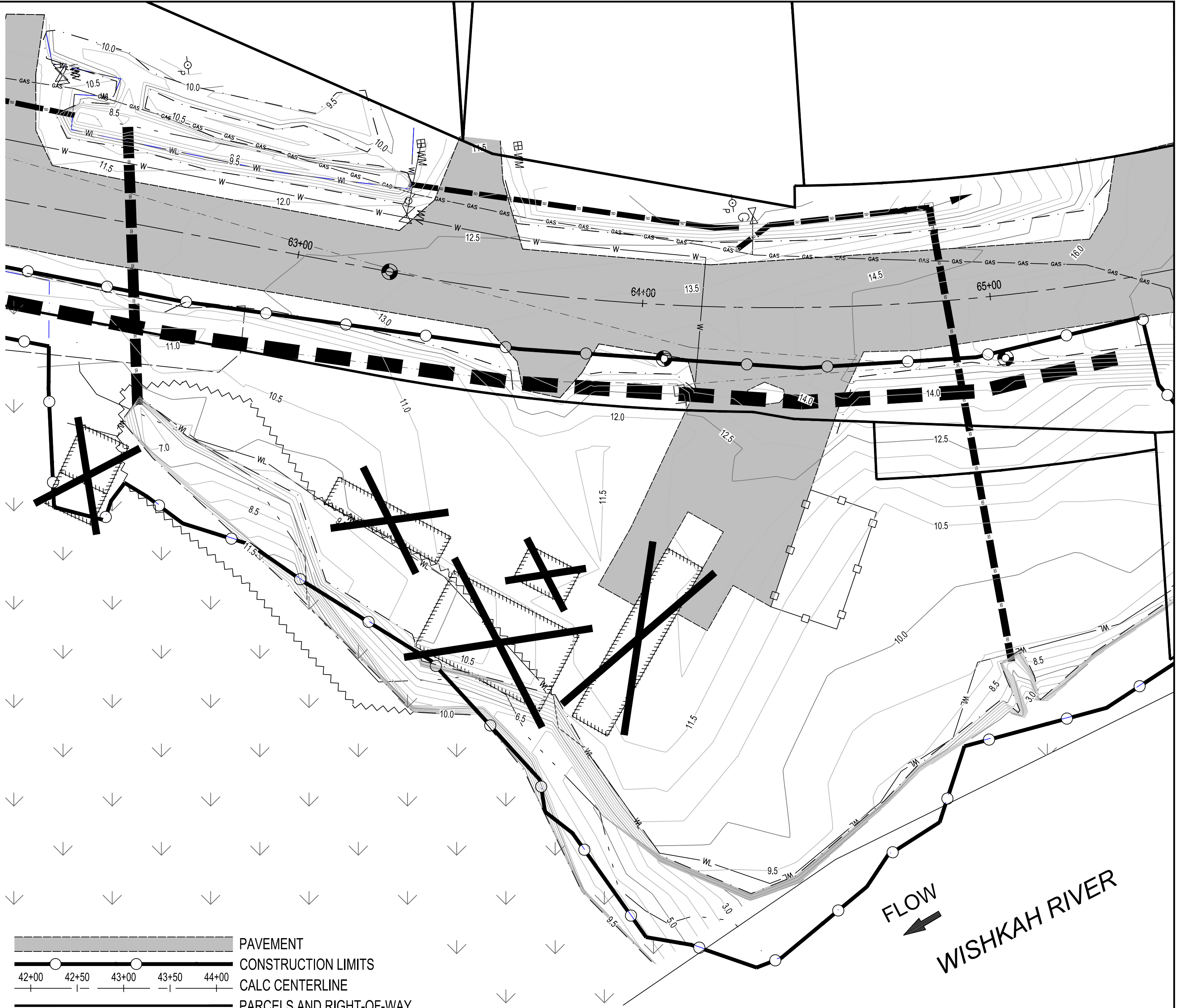


CONSTRUCTION NOTES

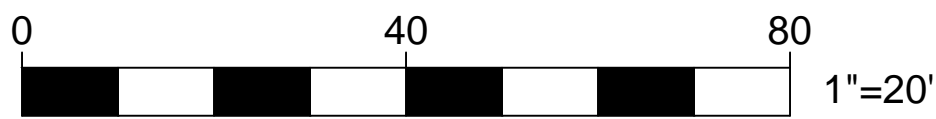
- 1. WORKING WITH THE APPROPRIATE UTILITY PROVIDERS, DECOMMISSION UTILITIES.
- 2. DEMOLISH EXISTING STRUCTURES AND FOUNDATIONS. REMOVE AND DISPOSE OFF-SITE ALL VEHICLES, VESSELS, REMAINING PRIVATE PROPERTY AND DEBRIS.
- 3. PROPERLY DECOMMISSION SEPTIC SYSTEMS AND SANITARY PITS.
- 4. REMOVE FILL AND CULVERTS AND ESTABLISH VEGETATION.
- 5. TESC SHALL BE IN PLACE PRIOR TO CLEARING AND DEMOLITION. CONSTRUCTION LIMIT FENCING AND TREES MARKED FOR REMOVAL SHALL BE MARKED BY CONTRACTOR AND APPROVED FOR REMOVAL BY ENGINEER PRIOR TO CLEARING AND GRUBBING.
- 6. REMEDIATION OF CONTAMINATED SOILS TO BE DESIGNED BY OTHERS.

LEGEND

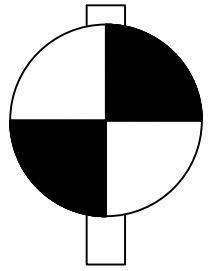
- \* BOREHOLE LOCATION
- SURVEY CONTROL POINT
- WM WATER METER
- WV WATER VALVE
- STORM INLET STRUCTURE
- P POWER POLE
- T TELEPHONE PEDESTAL
- ⊗ GAS VALVE
- GAS RISER
- FENCE POST
- ∨ WETLAND



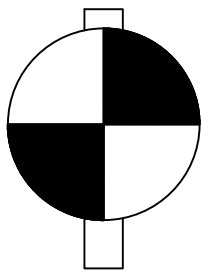
- PAVEMENT
- CONSTRUCTION LIMITS
- CALC CENTERLINE
- PARCELS AND RIGHT-OF-WAY
- CULVERT
- TELEPHONE LINE
- GAS LINE
- WATER LINE
- EDGE OF GRAVEL
- FENCE
- BUILDINGS EAST OF WISHKAH ROAD TO BE DEMOLISHED
- WETLAND BOUNDARY
- WATERCOURSE
- PROPOSED FLOODWALL



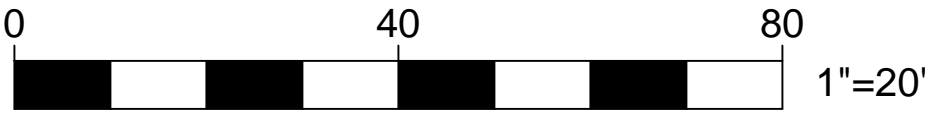
MERIDIAN ASSUMED  
THE BASIS OF BEARINGS FOR  
THIS SURVEY IS THE  
CENTERLINE OF WISHKAH ROAD.



VERTICAL DATUM  
NAVD '88  
"ABD-214" = 12.51'



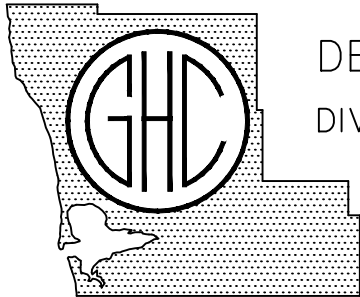
VERTICAL DATUM  
NAVD '88  
"ABD-214" = 12.51'



MERIDIAN ASSUMED  
THE BASIS OF BEARINGS FOR  
THIS SURVEY IS THE  
CENTERLINE OF WISHKAH ROAD.

30% DESIGN

NO	DATE	BY	APPR	REVISIONS



DEPARTMENT OF PUBLIC WORKS  
DIVISION OF ENGINEERING & CONSTRUCTION  
GRAYS HARBOR COUNTY  
MONTESANO, WASHINGTON

**amec**  
11810 North Creek Parkway North  
Bothell, WA, U.S.A. 98011-8201  
Phone (425) 368-1000  
Fax (425) 368-1001



PRELIMINARY

DSGN: _____	DRN: _____	CHKD: _____
APPROVED: _____	DATE: _____	
	COUNTY ROAD ENGINEER	
ACCEPTED: _____	DATE: _____	
	DIRECTOR OF PUBLIC WORKS	




WISHKAH ROAD NO. 94311  
WISHKAH ROAD FLOODWALL  
M.P. 2.2 TO M.P. 2.7  
DEMOLITION PLAN

PROJ. NO: C-XXXXX-XX
ACAD CREF
SCALE: AS SHOWN
SHEET: 8 OF XX



## TO BE DEVELOPED AT 60% DESIGN LEVEL




## 30% DESIGN

NO	DATE	BY	APPR	REVISIONS	 <p>DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING &amp; CONSTRUCTION</p> <p>GRAYS HARBOR COUNTY MONTESANO, WASHINGTON</p>	 <p>11810 North Creek Parkway North Bothell, WA, U.S.A. 98011-8201 Phone (425) 368-1000 Fax (425) 368-1001</p>	 <p><b>PRELIMINARY</b></p>	DSGN:      DRN:      CHKD:	WISHKAH ROAD NO. 94311	PROJ. NO: C-XXXX-XX		
										APPROVED:      DATE:	WISHKAH ROAD FLOODWALL	ACAD CREF



## TO BE DEVELOPED AT 60% DESIGN LEVEL




## 30% DESIGN

NO	DATE	BY	APPR	REVISIONS	 <p>DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING &amp; CONSTRUCTION</p> <p>GRAYS HARBOR COUNTY MONTESANO, WASHINGTON</p>	 <p>11810 North Creek Parkway North Bothell, WA, U.S.A. 98011-8201 Phone (425) 368-1000 Fax (425) 368-1001</p>	 <p><b>PRELIMINARY</b></p>	DSGN:      DRN:      CHKD:	WISHKAH ROAD NO. 94311 WISHKAH ROAD FLOODWALL M.P. 2.2 TO M.P. 2.7 TESC PLAN (1 of 2)	PROJ. NO: C-XXXX-XX
				APPROVED:      DATE:				ACAD CREF		
				COUNTY ROAD ENGINEER				SCALE: AS SHOWN		
				ACCEPTED:      DATE:				SHEET:    10   OF   XX		
				DIRECTOR OF PUBLIC WORKS						



## TO BE DEVELOPED AT 60% DESIGN LEVEL

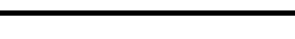

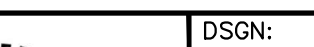
## 30% DESIGN

NO	DATE	BY	APPR	REVISIONS	 <p>DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING &amp; CONSTRUCTION</p> <p>GRAYS HARBOR COUNTY MONTESANO, WASHINGTON</p>	 <p>11810 North Creek Parkway North Bothell, WA, U.S.A. 98011-8201 Phone (425) 368-1000 Fax (425) 368-1001</p>	 <p><b>PRELIMINARY</b></p>	DSGN:      DRN:      CHKD:	WISHKAH ROAD NO. 94311 WISHKAH ROAD FLOODWALL M.P. 2.2 TO M.P. 2.7 TESC PLAN (2 of 2)	PROJ. NO: C-XXXX-XX
				APPROVED:      DATE:				ACAD CREF		
				COUNTY ROAD ENGINEER				SCALE: AS SHOWN		
				ACCEPTED:      DATE:				SHEET: 11 OF XX		
				DIRECTOR OF PUBLIC WORKS						



## TO BE DEVELOPED AT 60% DESIGN LEVEL

## 30% DESIGN

NO	DATE	BY	APPR	REVISIONS	 <p>DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING &amp; CONSTRUCTION</p> <p>GRAYS HARBOR COUNTY MONTESANO, WASHINGTON</p>	 <p>11810 North Creek Parkway North Bothell, WA, U.S.A. 98011-8201 Phone (425) 368-1000 Fax (425) 368-1001</p>	 <p><b>PRELIMINARY</b></p>	DSGN:      DRN:      CHKD:	WISHKAH ROAD NO. 94311	PROJ. NO: C-XXXX-XX
								ACAD CREF		
								SCALE: AS SHOWN		
								SHEET: 12 OF XX		
								APPROVED:      DATE:	WISHKAH ROAD FLOODWALL	
								COUNTY ROAD ENGINEER	M.P. 2.2 TO M.P. 2.7	
								ACCEPTED:      DATE:	TESC NOTES AND DETAILS	
								DIRECTOR OF PUBLIC WORKS		



## ADDITIONAL OPTION TO SHOW NORTHBOUND LANE CLOSURE TO BE DEVELOPED AT 60% DESIGN LEVEL

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	-	-	-	-	-	-

Protective vehicle recommended - may be a work vehicle. If a TMA is not available, the protective vehicle shall be strategically located in the field to shield workers and no roll ahead distance is specified.

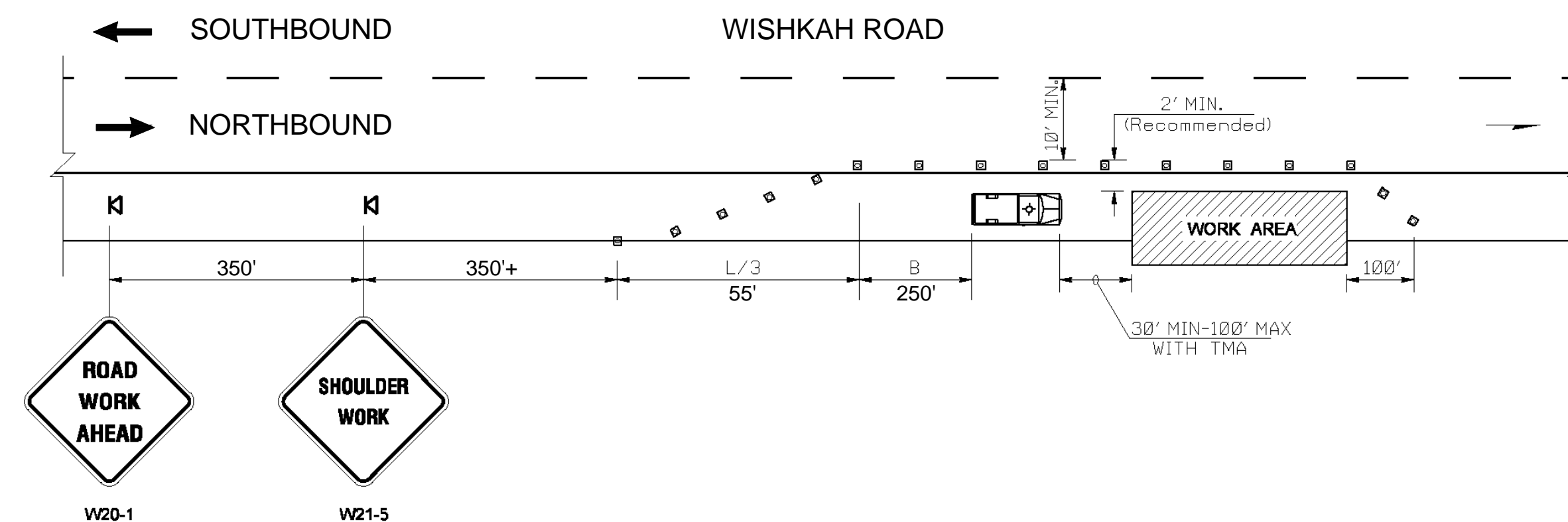
SIGN SPACING = X (FEET) ( 1 )		
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350±
RURAL ROADS, URBAN ARTERIALS RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200± ( 2 )
URBAN STREETS	25 MPH OR LESS	100± ( 2 )
ALL SIGNS ARE 48" x 48" BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.		

(1) All spacing may be adjusted to accommodate interchange ramps, at-grade intersections, and driveways.

(2) This spacing may be reduced in urban areas to fit roadway conditions.

MINIMUM TAPER LENGTH = L (feet)										
Shoulder Width (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8	84	120	162	210	-	-	-	-	-	-
10	105	150	204	270	-	-	-	-	-	-
3 DEVICES MINIMUM SPACED 10' O.C. IN TAPERS FOR SHOULDER WIDTHS LESS THAN 8 FEET										




CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
35 / 40	30	60
25 / 30	20	40



## NOTES




1. Protective vehicle recommended - may be a work vehicle.
2. When used, device spacing for the downstream taper should be 20' O.C.

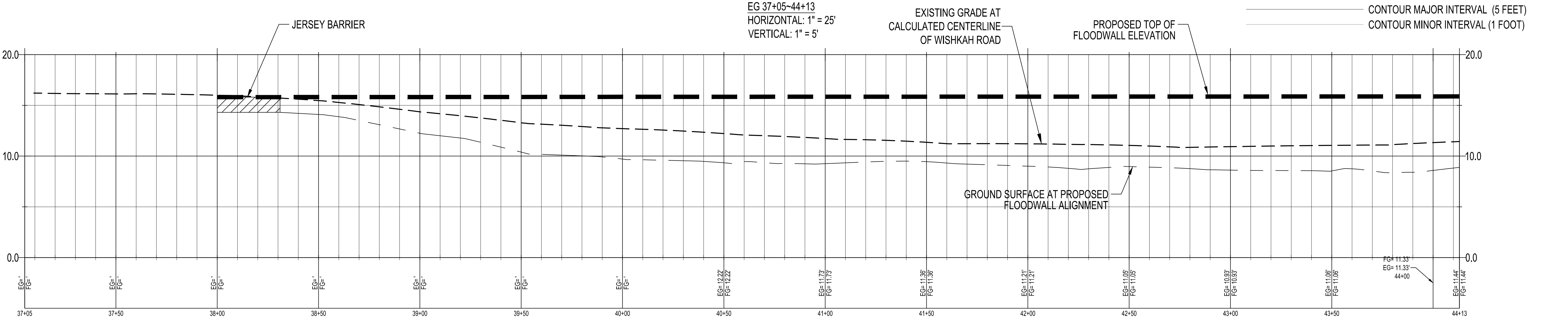
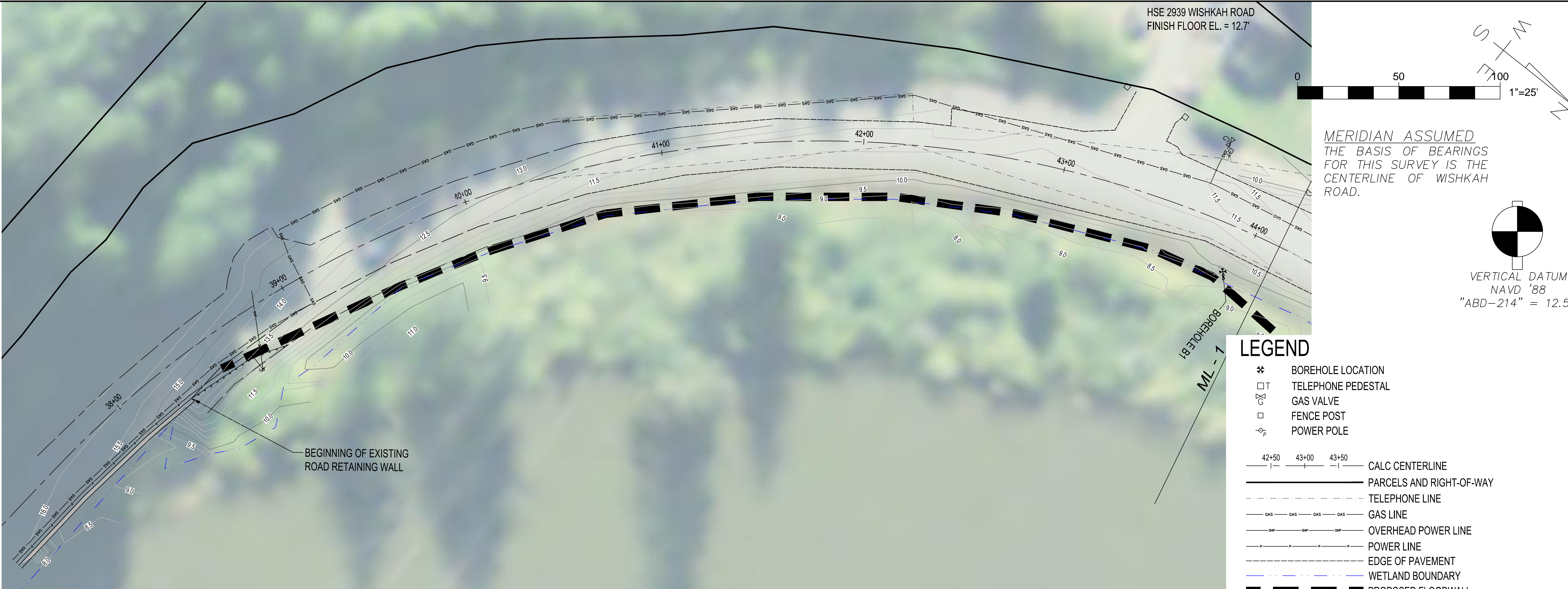
### LEGEND

	SIGN LOCATION
	CHANNELIZING DEVICES
	PROTECTIVE VEHICLE - RECOMMENDED

TYPICAL SHOULDER CLOSURE - LOW SPEED (40 MPH OR LESS)  
TCP 5


## 30% DESIGN

NO	DATE	BY	APPR	REVISIONS	 <div>DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING &amp; CONSTRUCTION</div> <div>GRAYS HARBOR COUNTY MONTESANO, WASHINGTON</div>	 <div>11810 North Creek Parkway North Bothell, WA, U.S.A. 98011-8201 Phone (425) 368-1000 Fax (425) 368-1001</div>	 <div>PRELIMINARY</div>	DSGN:    ___  ___  ___  DRN:    ___  ___  ___  CHKD:    ___  ___  ___	WISHKAH ROAD NO. 94311 WISHKAH ROAD FLOODWALL M.P. 2.2 TO M.P. 2.7 TRAFFIC CONTROL PLAN	PROJ. NO: C-XXXX-XX	
											APPROVED:



30% DESIGN


NO	DATE	BY	APPR	REVISIONS



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MONTESANO, WASHINGTON



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PRELIMINARY

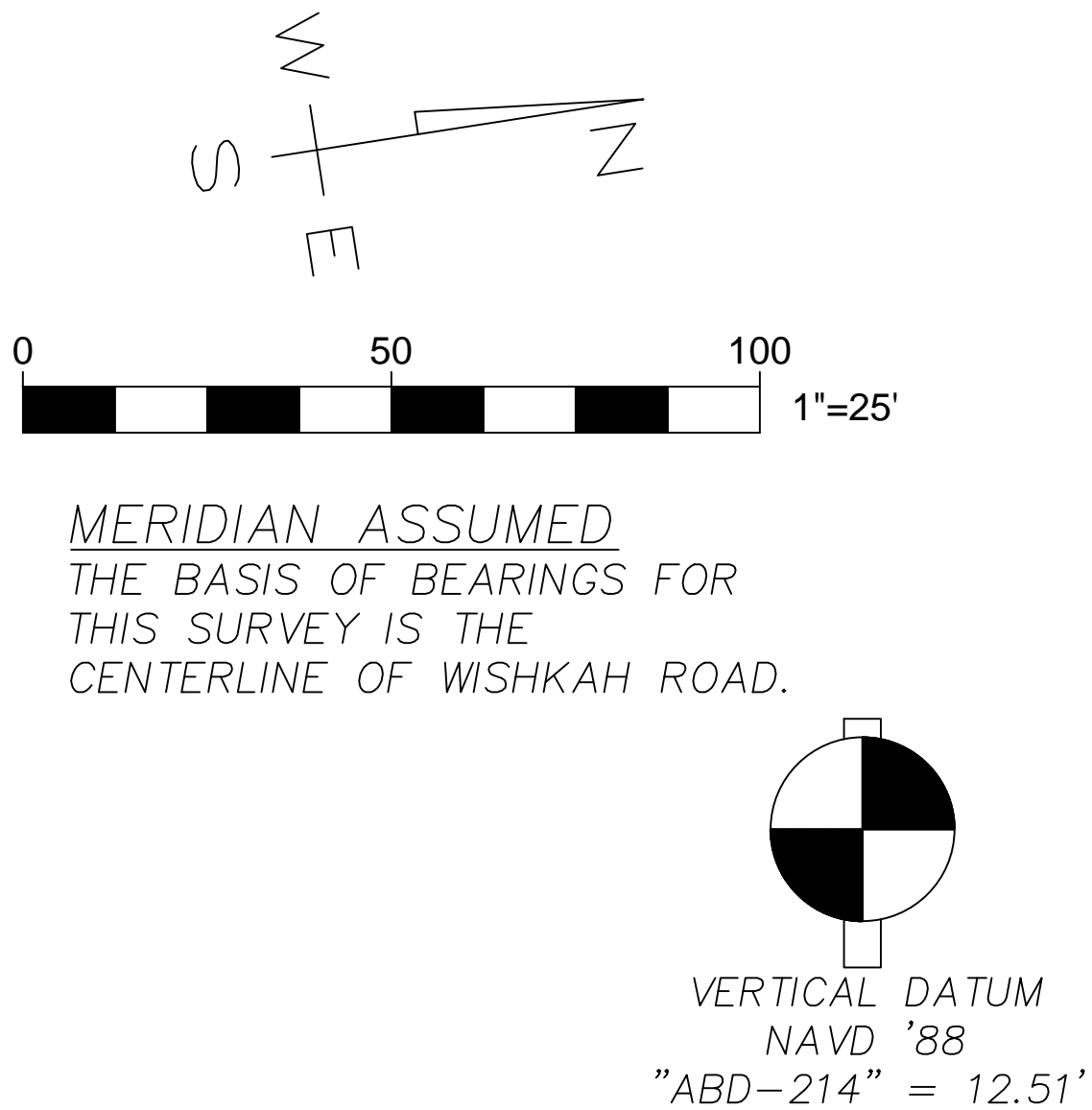
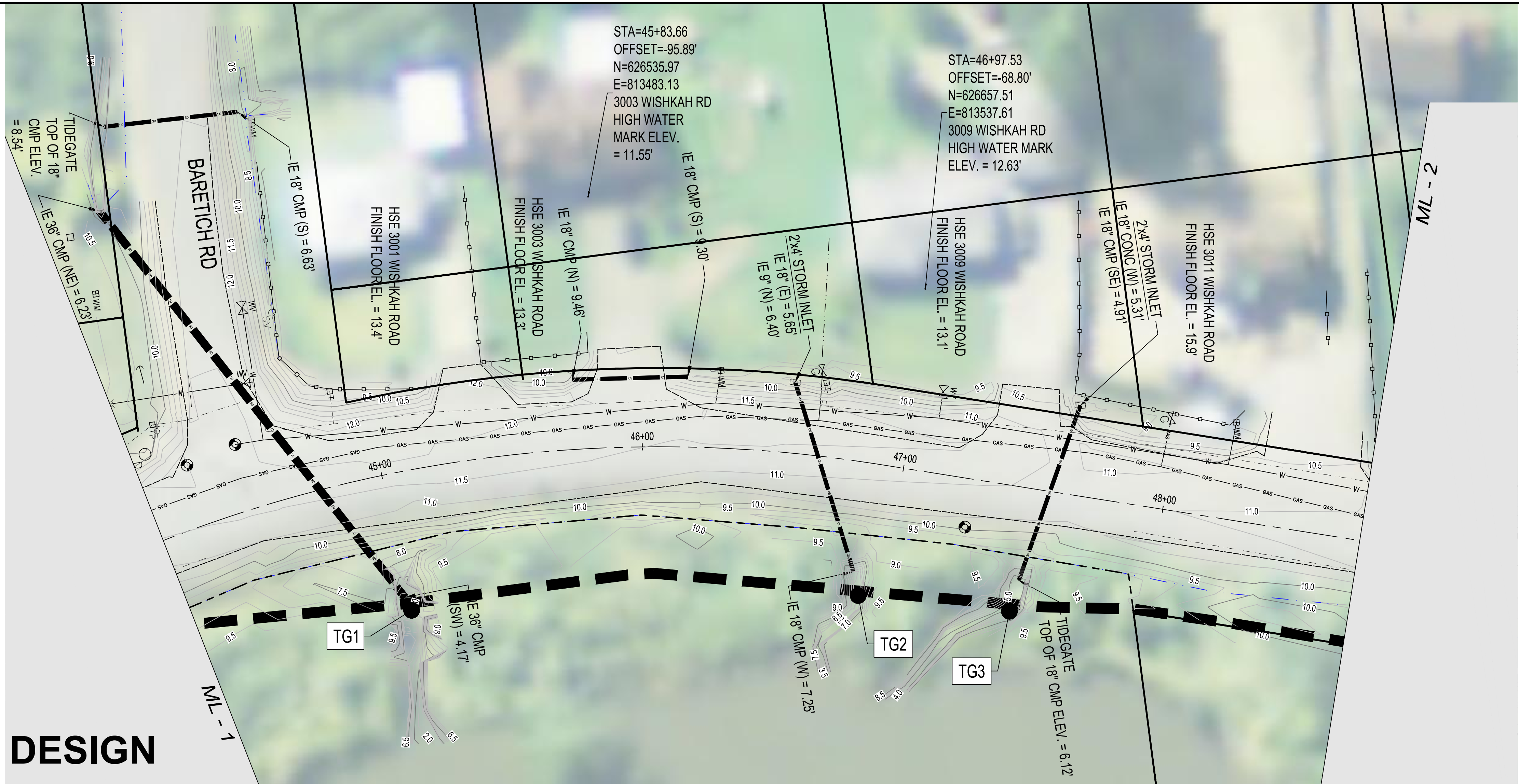
DSGN: _____	DRN: _____	CHKD: _____
APPROVED: _____	DATE: _____	
ACCEPTED: _____	DATE: _____	
DIRECTOR OF PUBLIC WORKS		

WISHKAH ROAD NO. 94311  
WISHKAH ROAD FLOODWALL  
M.P. 2.2 TO M.P. 2.7  
FLOODWALL PLAN AND PROFILE VIEW (1 OF 6)

PROJ. NO: C-XXXXX-XX
ACAD CREF
SCALE: AS SHOWN
SHEET: 14 OF XX



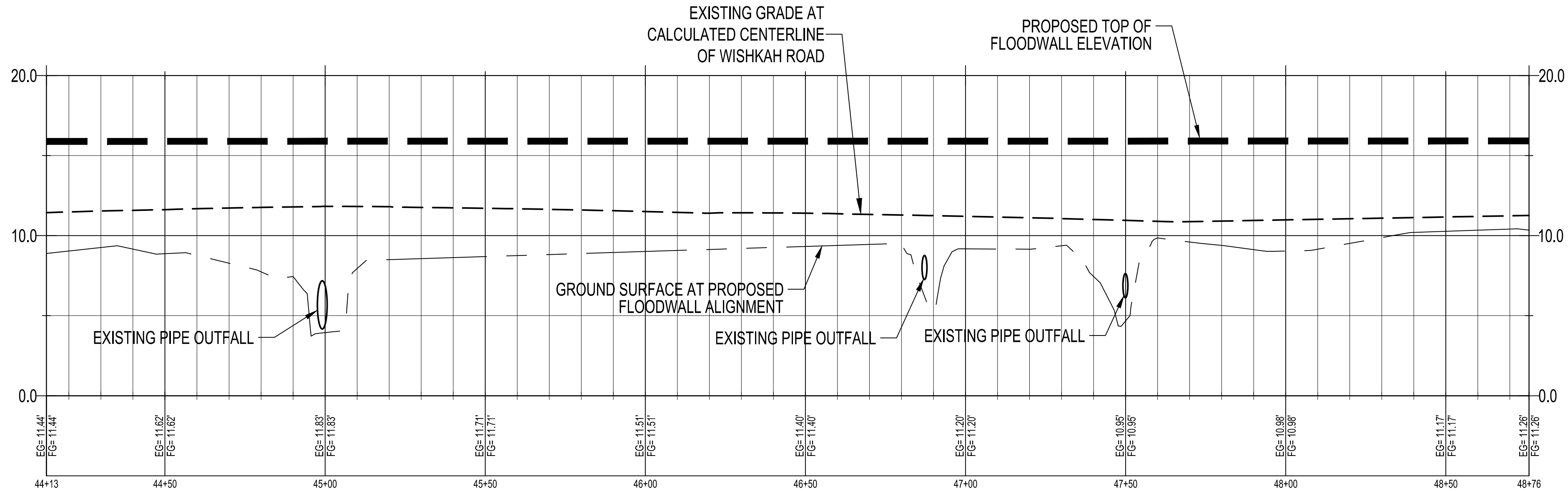
30% DESIGN



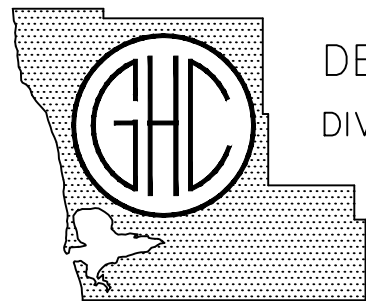
LEGEND

- SURVEY CONTROL POINT
- WATER METER
- FIRE HYDRANT
- WATER VALVE
- STORM MANHOLE
- STORM INLET STRUCTURE
- POWER POLE
- SERVICE POLE
- DOWNGUY & ANCHOR
- TELEPHONE PEDESTAL
- GAS VALVE
- FENCE POST
- CALC CENTERLINE
- PARCELS AND RIGHT-OF-WAY
- CULVERT
- TELEPHONE LINE
- GAS LINE
- WATER LINE
- EDGE OF PAVEMENT
- FENCE
- WETLAND BOUNDARY
- PROPOSED FLOODWALL
- CONTOUR MAJOR INTERVAL (5 FEET)
- CONTOUR MINOR INTERVAL (1 FOOT)
- PROPOSED TIDE GATE

EG 44+13~48+76  
HORIZONTAL: 1" = 25'  
VERTICAL: 1" = 5'



NO	DATE	BY	APPR	REVISIONS



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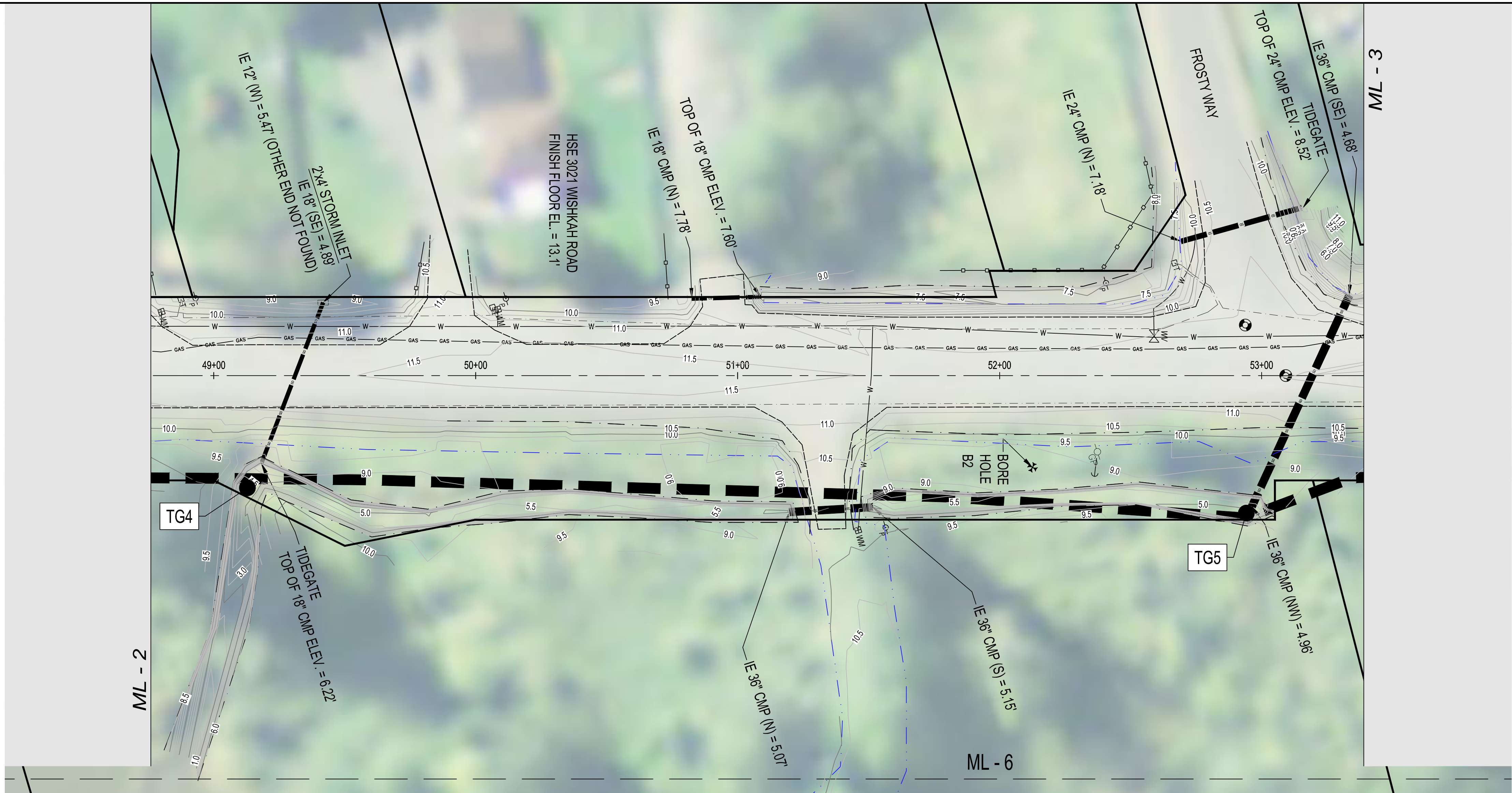
PRELIMINARY

DSGN: _____	DRN: _____	CHKD: _____
APPROVED: _____	DATE: _____	
ACCEPTED: _____	DATE: _____	
	DIRECTOR OF PUBLIC WORKS	

WISHKAH ROAD NO. 94311  
WISHKAH ROAD FLOODWALL  
M.P. 2.2 TO M.P. 2.7  
FLOODWALL PLAN AND PROFILE VIEW (2 OF 6)

PROJ. NO: C-XXXXX-XX
ACAD CREF
SCALE: AS SHOWN
SHEET: 15 OF XX





MERIDIAN ASSUMED  
THE BASIS OF BEARINGS FOR  
THIS SURVEY IS THE CENTERLINE  
OF WISHKAH ROAD.

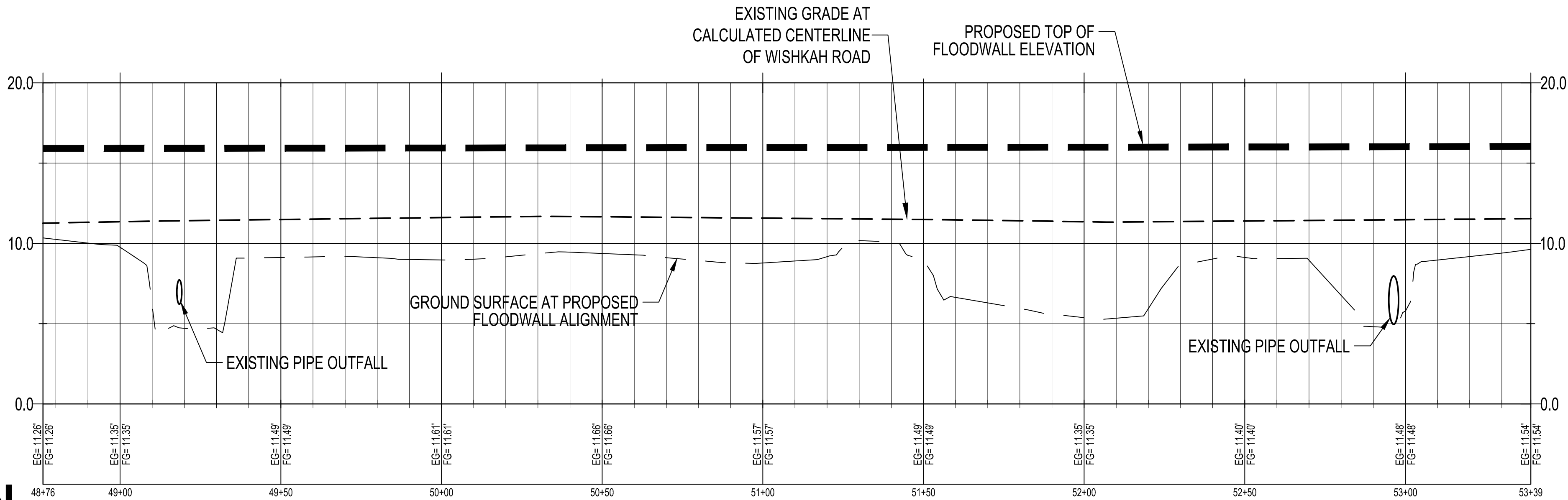
VERTICAL DATUM  
NAVD '88  
"ABD-214" = 12.51'

**LEGEND**

- BOREHOLE LOCATION
- SURVEY CONTROL POINT
- WATER METER
- FIRE HYDRANT
- WATER VALVE
- STORM MANHOLE
- STORM INLET STRUCTURE
- POWER POLE
- SERVICE POLE
- GUY POLE
- DOWNGUY & ANCHOR
- TELEPHONE PEDESTAL
- GAS VALVE
- GAS RISER
- FENCE POST

42+00 42+50 43+00 43+50 44+00

- CALC CENTERLINE
- PARCELS AND RIGHT-OF-WAY
- CULVERT
- TELEPHONE LINE
- GAS LINE
- WATER LINE
- EDGE OF GRAVEL
- EDGE OF PAVEMENT
- FENCE
- WETLAND BOUNDARY
- PROPOSED FLOODWALL
- PROPOSED TIDE GATE



30% DESIGN

NO	DATE	BY	APPR	REVISIONS

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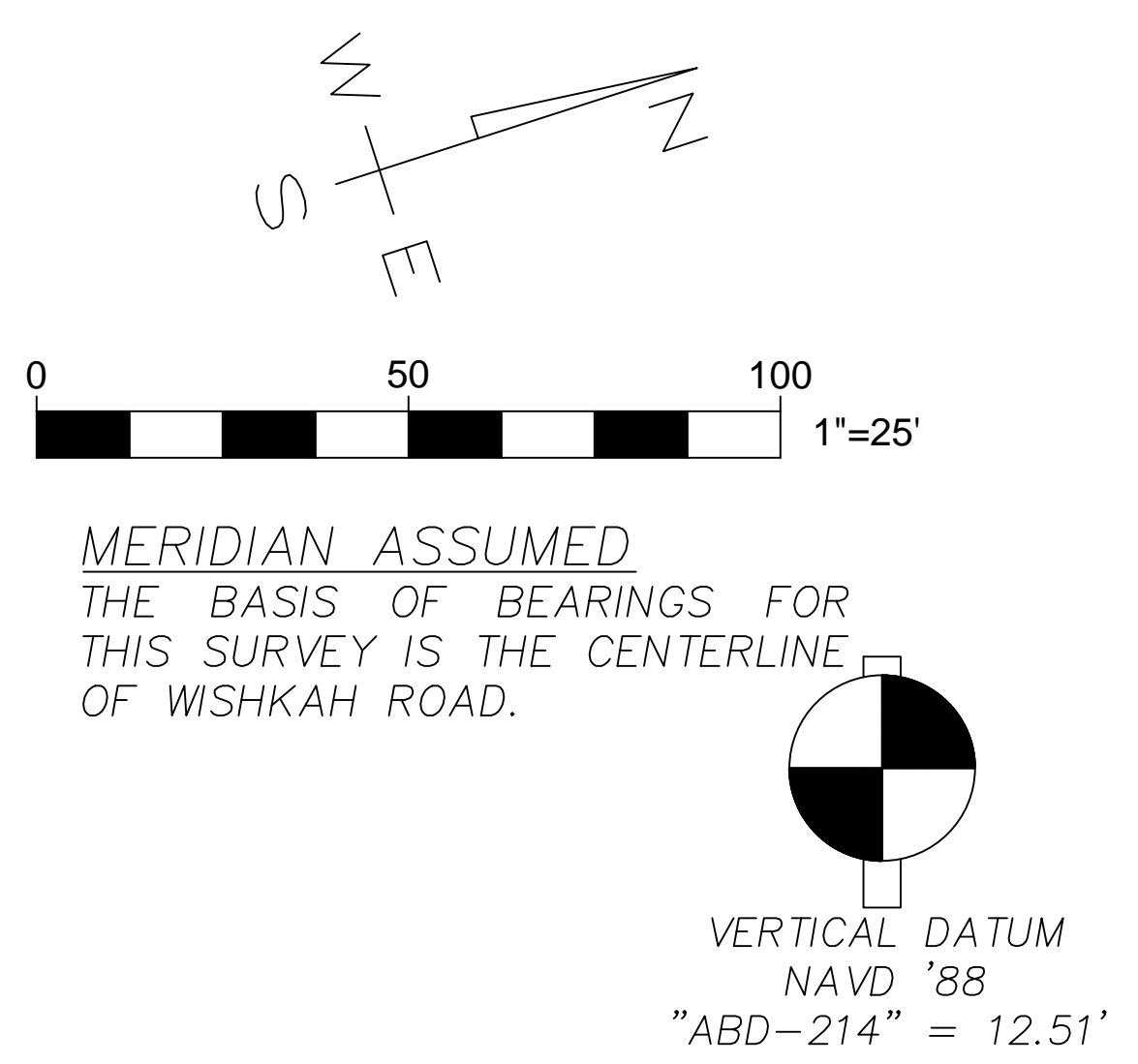
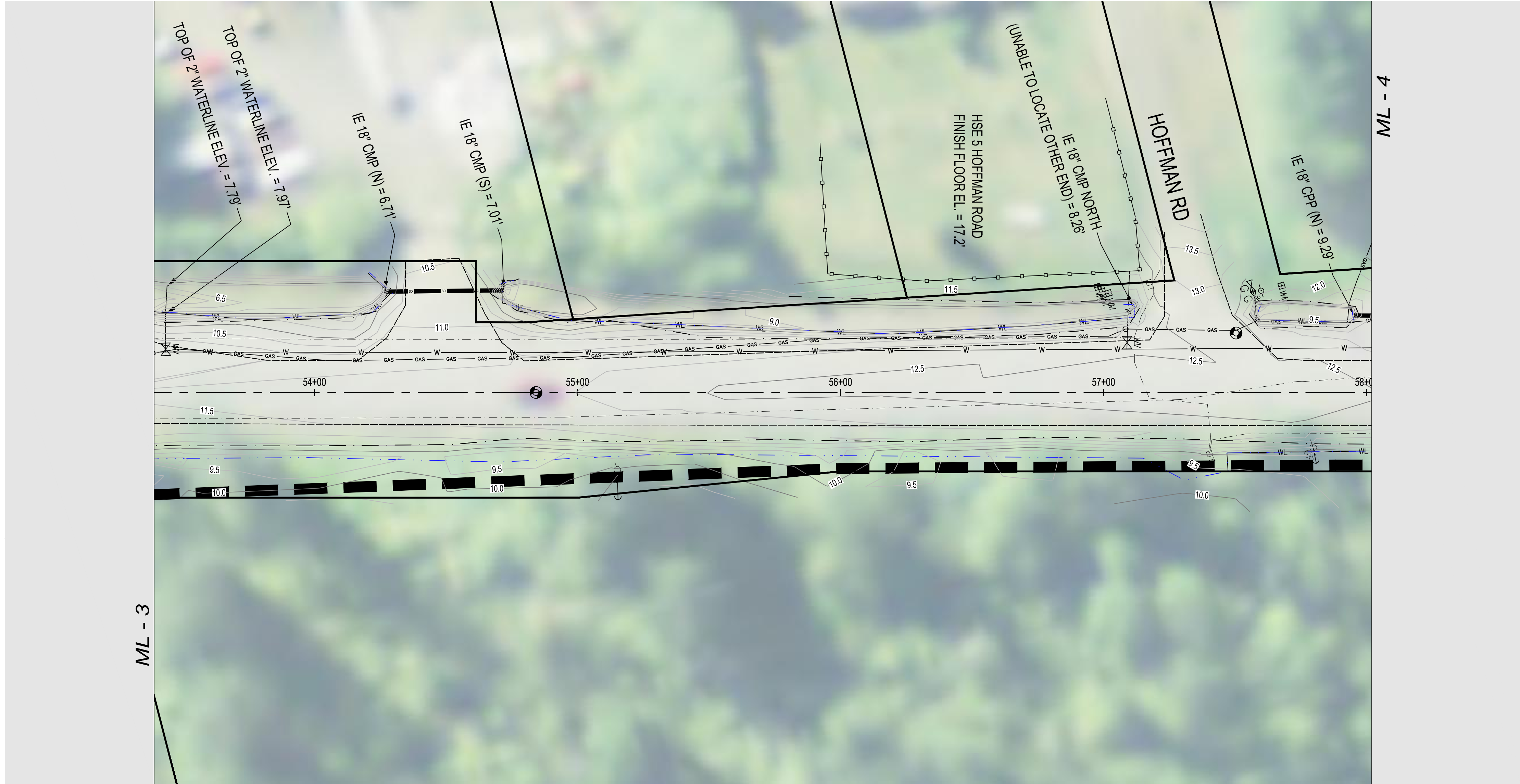
PRELIMINARY

DSGN: _____	DRN: _____	CHKD: _____
APPROVED: _____	DATE: _____	
ACCEPTED: _____	DATE: _____	
DIRECTOR OF PUBLIC WORKS		

WISHKAH ROAD NO. 94311  
WISHKAH ROAD FLOODWALL  
M.P. 2.2 TO M.P. 2.7  
FLOODWALL PLAN AND PROFILE VIEW (3 OF 6)

PROJ. NO: C-XXXXX-XX
ACAD CREF
SCALE: AS SHOWN
SHEET: 16 OF XX

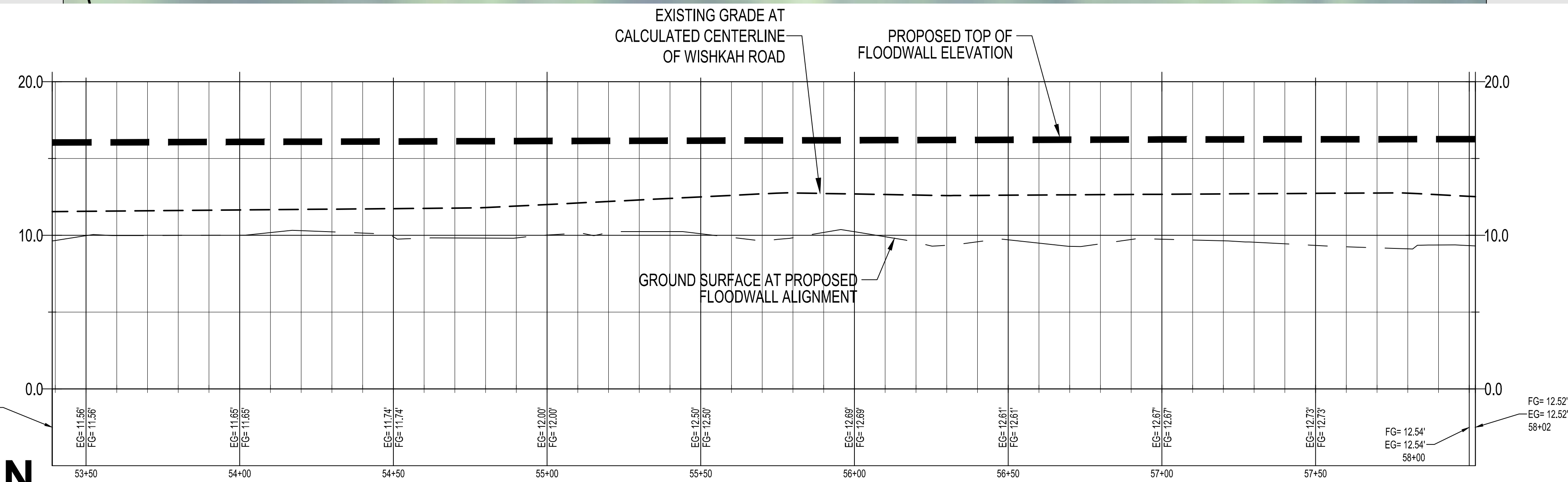




LEGEND

- SURVEY CONTROL POINT
- WATER METER
- WATER VALVE
- POWER POLE
- GUY POLE
- DOWNGUY & ANCHOR
- TELEPHONE PEDESTAL
- GAS VALVE
- GAS RISER
- FENCE POST
- CALC CENTERLINE
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- CULVERT
- TELEPHONE LINE
- GAS LINE
- WATER LINE
- EDGE OF PAVEMENT
- FENCE
- WETLAND BOUNDARY
- PROPOSED FLOODWALL
- CONTOUR MAJOR INTERVAL (5 FEET)
- CONTOUR MINOR INTERVAL (1 FOOT)

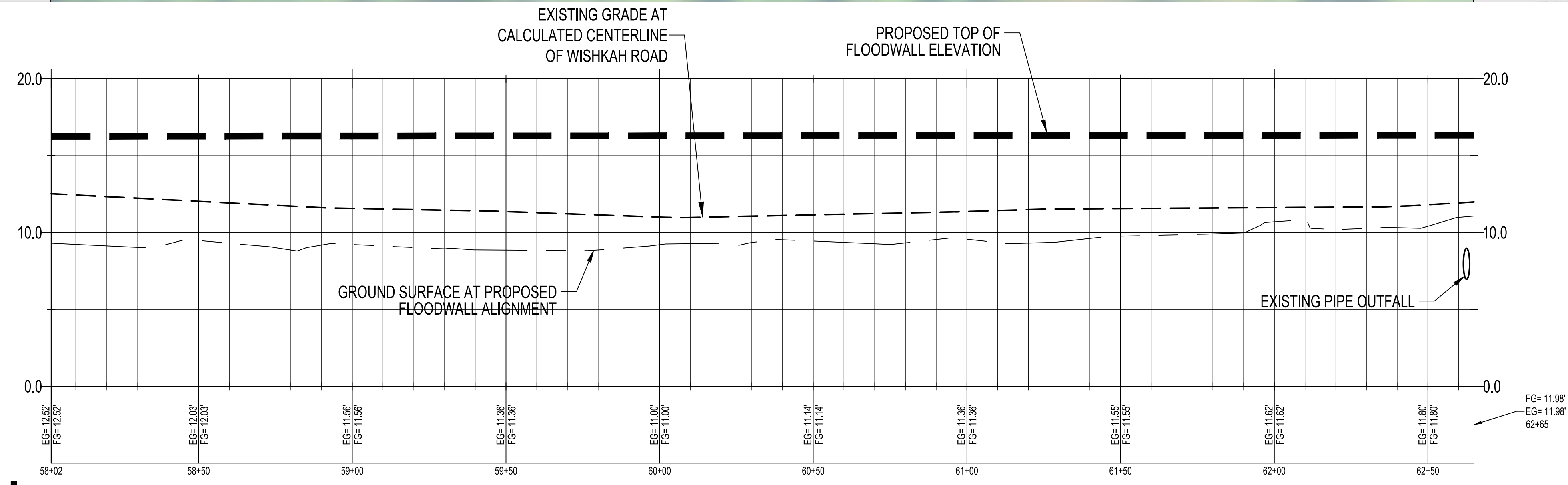
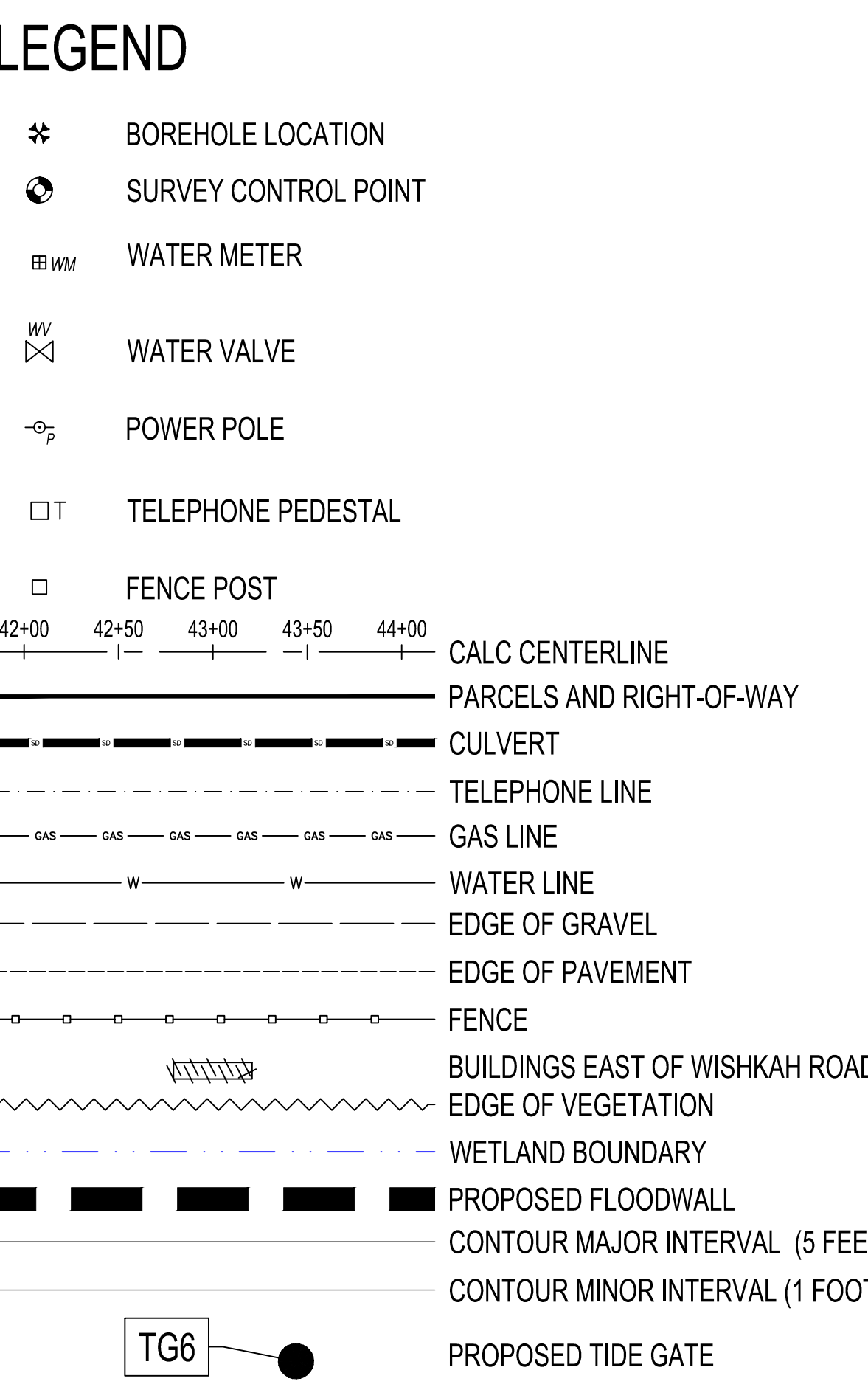
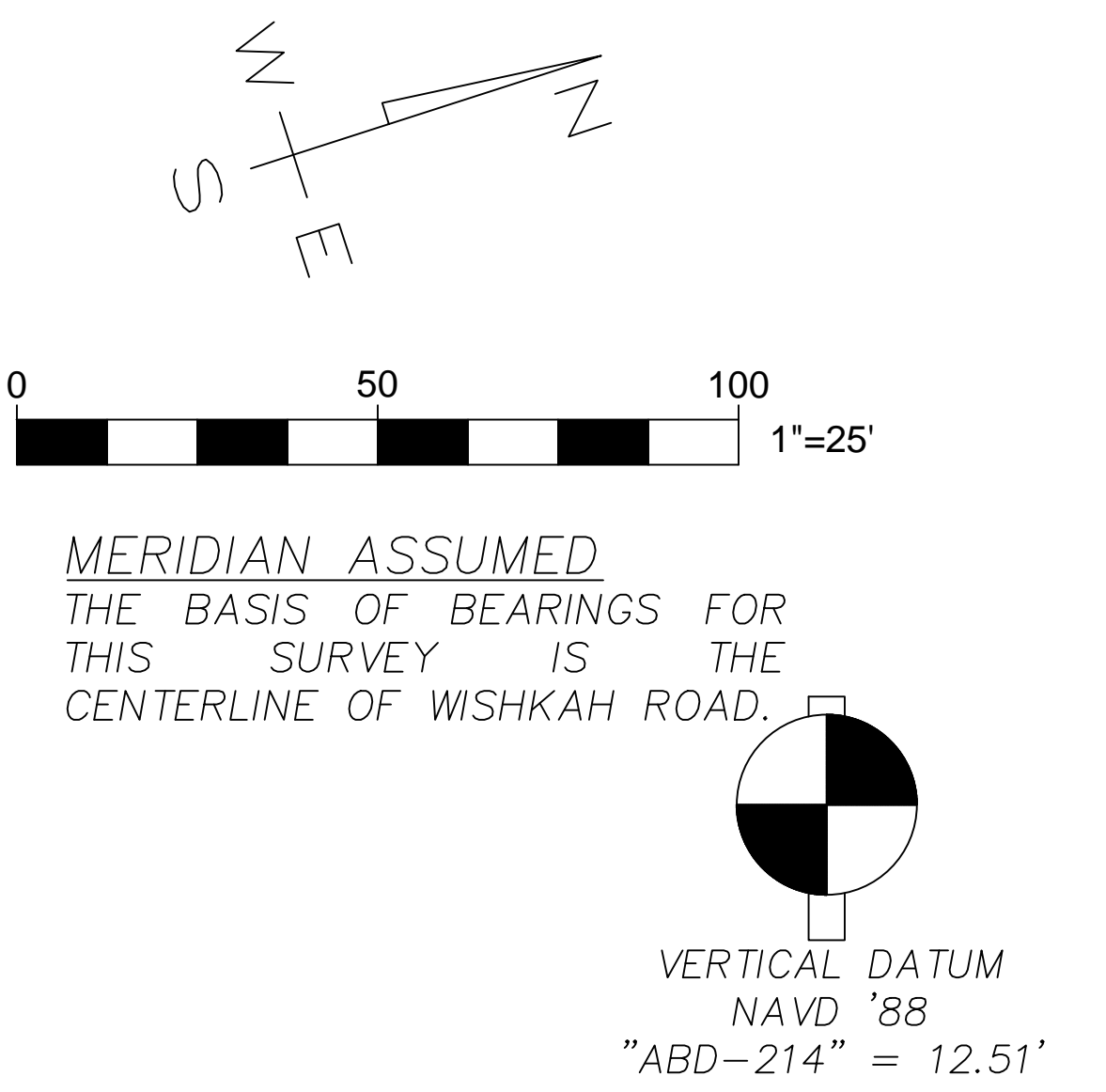
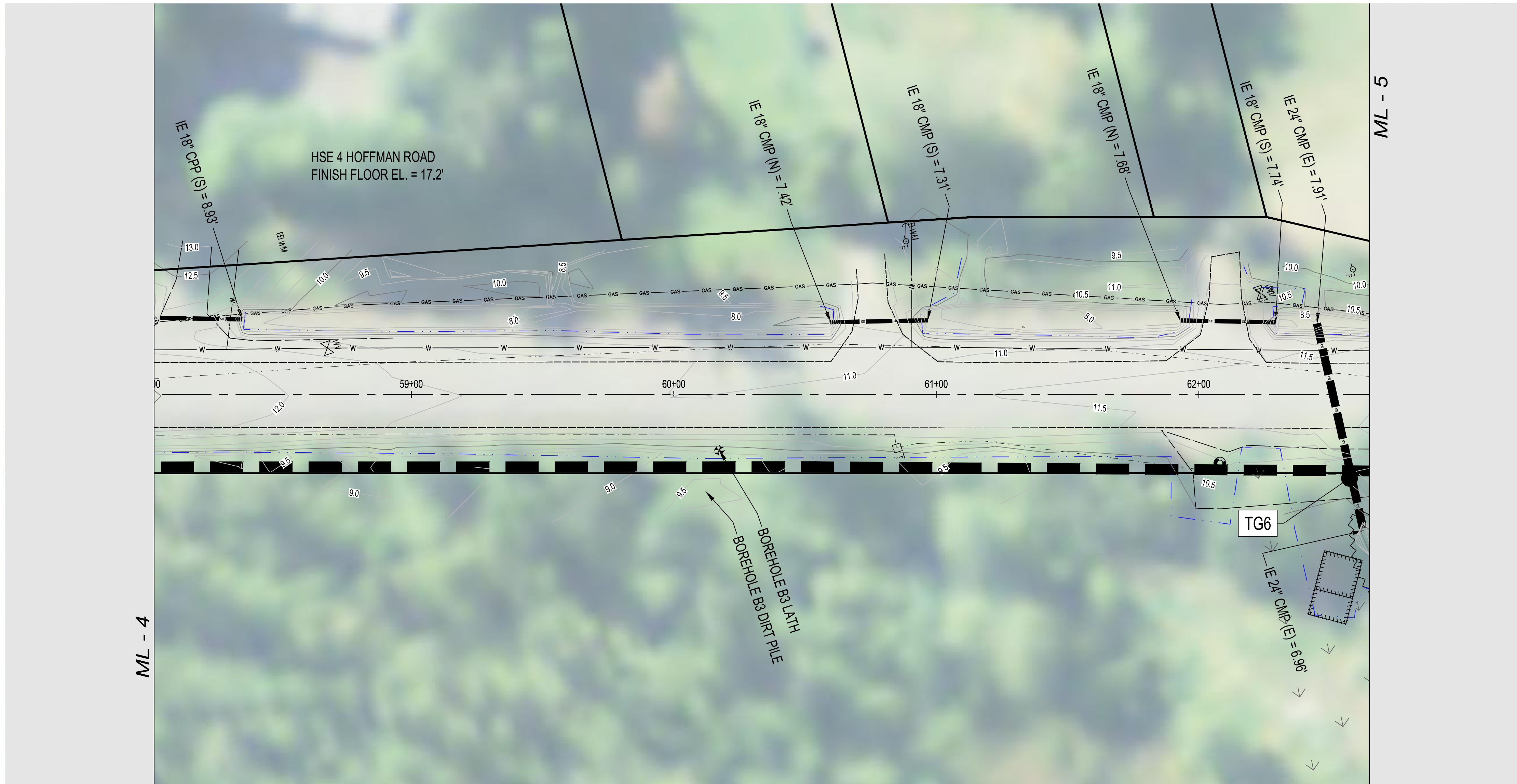
EG 53+39~58+02  
HORIZONTAL: 1" = 25'  
VERTICAL: 1" = 5'



30% DESIGN

<table><tr><th>NO</th><th>DATE</th><th>BY</th><th>APPR</th><th>REVISIONS</th></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>					NO	DATE	BY	APPR	REVISIONS																					<div>DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING &amp; CONSTRUCTION GRAYS HARBOR COUNTY MONTESANO, WASHINGTON</div>		<div>11810 North Creek Parkway North Bothell, WA, U.S.A. 98011-8201 Phone (425) 368-1000 Fax (425) 368-1001</div>		<div>PRELIMINARY</div>		<table><tr><td>DSGN: _____</td><td>DRN: _____</td><td>CHKD: _____</td></tr><tr><td colspan="2">APPROVED: _____</td><td>DATE: _____</td></tr><tr><td colspan="3">COUNTY ROAD ENGINEER</td></tr><tr><td colspan="2">ACCEPTED: _____</td><td>DATE: _____</td></tr><tr><td colspan="3">DIRECTOR OF PUBLIC WORKS</td></tr></table>		DSGN: _____	DRN: _____	CHKD: _____	APPROVED: _____		DATE: _____	COUNTY ROAD ENGINEER			ACCEPTED: _____		DATE: _____	DIRECTOR OF PUBLIC WORKS			<div>WISHKAH ROAD NO. 94311 WISHKAH ROAD FLOODWALL M.P. 2.2 TO M.P. 2.7 FLOODWALL PLAN AND PROFILE VIEW (4 OF 6)</div>		<table><tr><td>PROJ. NO: C-XXXXX-XX</td></tr><tr><td>ACAD CREF</td></tr><tr><td>SCALE: AS SHOWN</td></tr><tr><td>SHEET: 17 OF XX</td></tr></table>		PROJ. NO: C-XXXXX-XX	ACAD CREF	SCALE: AS SHOWN	SHEET: 17 OF XX
NO	DATE	BY	APPR	REVISIONS																																																								
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**30% DESIGN**

NO	DATE	BY	APPR	REVISIONS

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**PRELIMINARY**

DSGN: _____	DRN: _____	CHKD: _____
APPROVED: _____	DATE: _____	
	COUNTY ROAD ENGINEER	
ACCEPTED: _____	DATE: _____	
	DIRECTOR OF PUBLIC WORKS	

WISHKAH ROAD NO. 94311

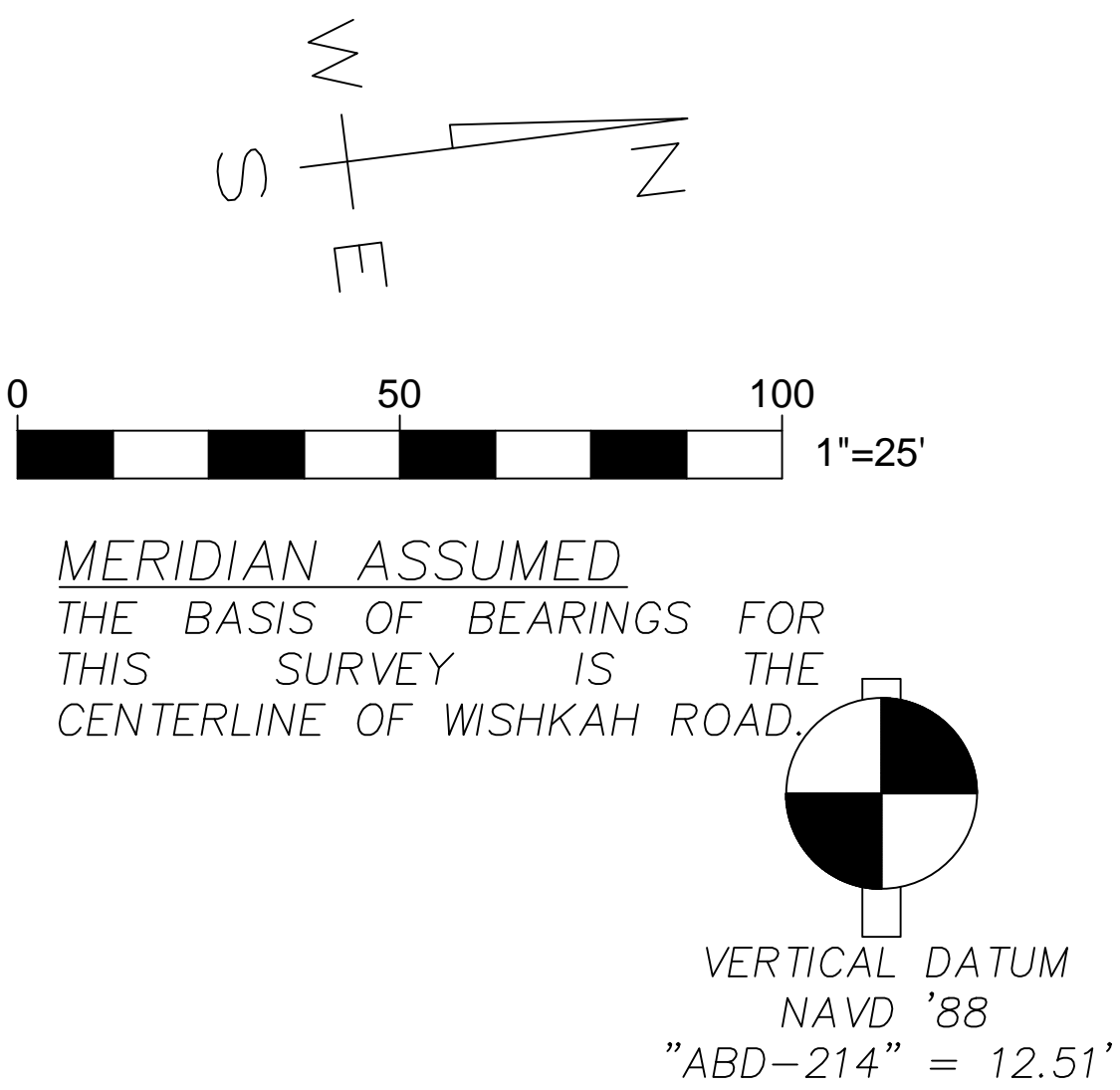
WISHKAH ROAD FLOODWALL

M.P. 2.2 TO M.P. 2.7

FLOODWALL PLAN AND PROFILE VIEW (5 OF 6)

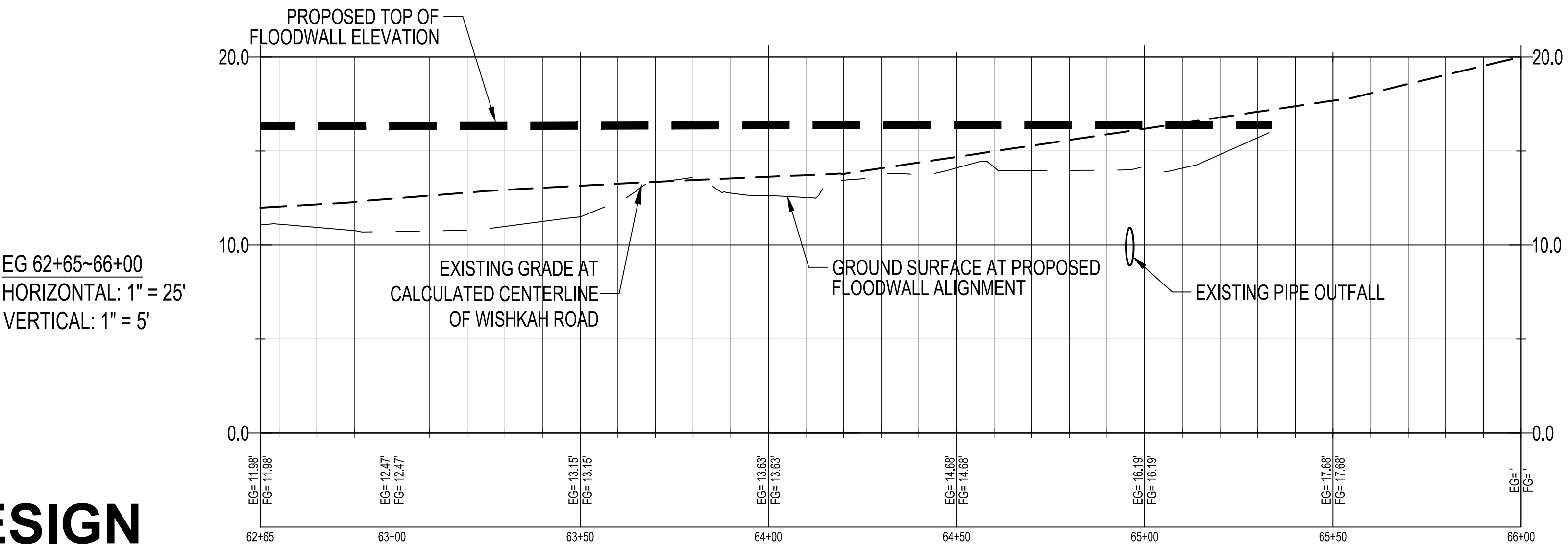
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SHEET: 18 OF XX





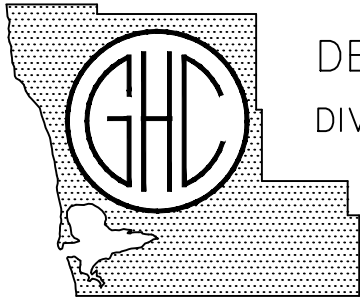
LEGEND

- SURVEY CONTROL POINT
- WATER METER
- WATER VALVE
- STORM INLET STRUCTURE
- POWER POLE
- TELEPHONE PEDESTAL
- GAS VALVE
- FENCE POST
- CALC CENTERLINE
- PARCELS AND RIGHT-OF-WAY
- CULVERT
- TELEPHONE LINE
- GAS LINE
- WATER LINE
- EDGE OF PAVEMENT
- FENCE
- BUILDINGS EAST OF WISHKAH ROAD
- EDGE OF VEGETATION
- WETLAND BOUNDARY
- PROPOSED FLOODWALL
- CONTOUR MAJOR INTERVAL (5 FEET)
- CONTOUR MINOR INTERVAL (1 FOOT)



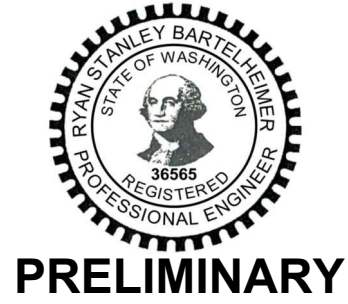
30% DESIGN

NO	DATE	BY	APPR	REVISIONS



DEPARTMENT OF PUBLIC WORKS  
DIVISION OF ENGINEERING & CONSTRUCTION  
GRAYS HARBOR COUNTY  
MONTESANO, WASHINGTON

**amec**  
11810 North Creek Parkway North  
Bothell, WA, U.S.A. 98011-8201  
Phone (425) 368-1000  
Fax (425) 368-1001

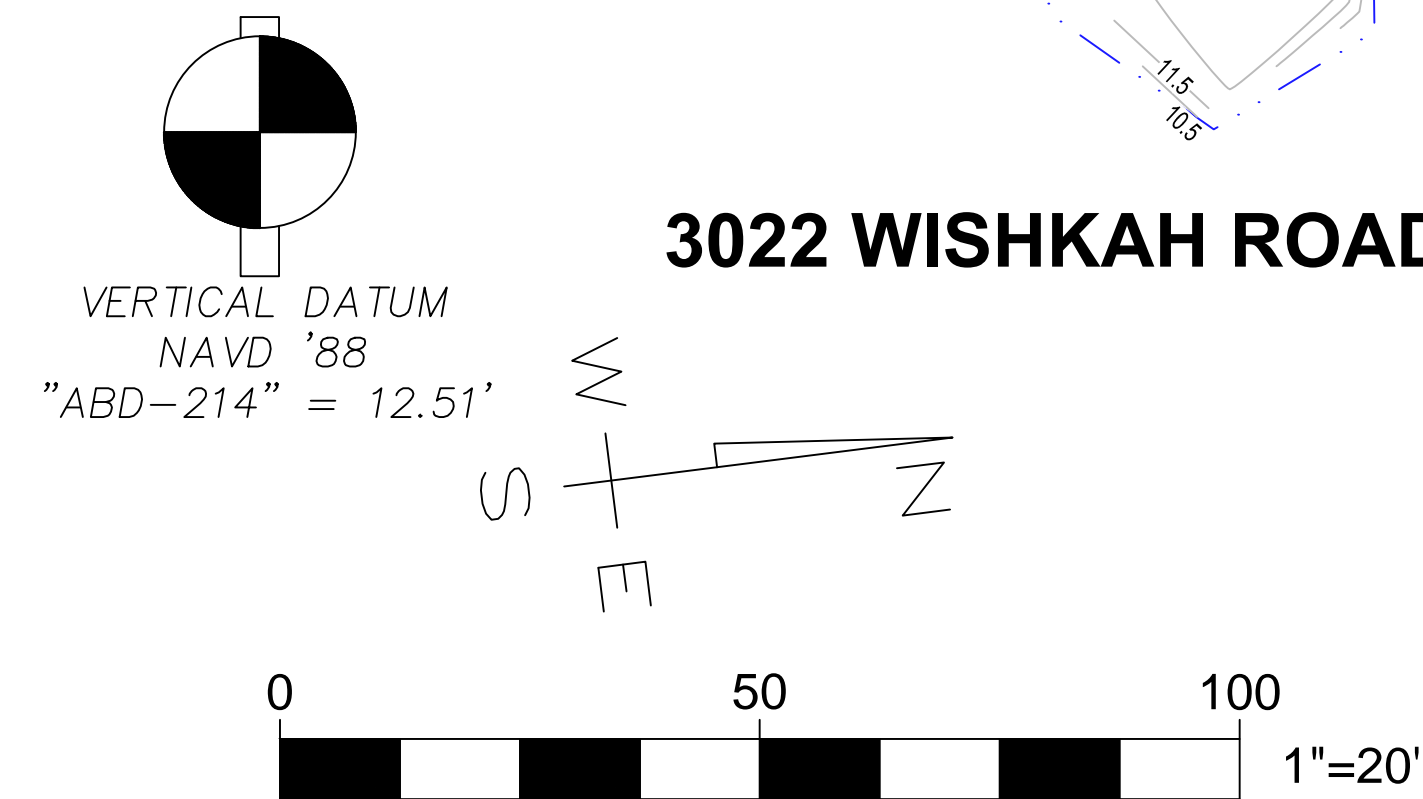
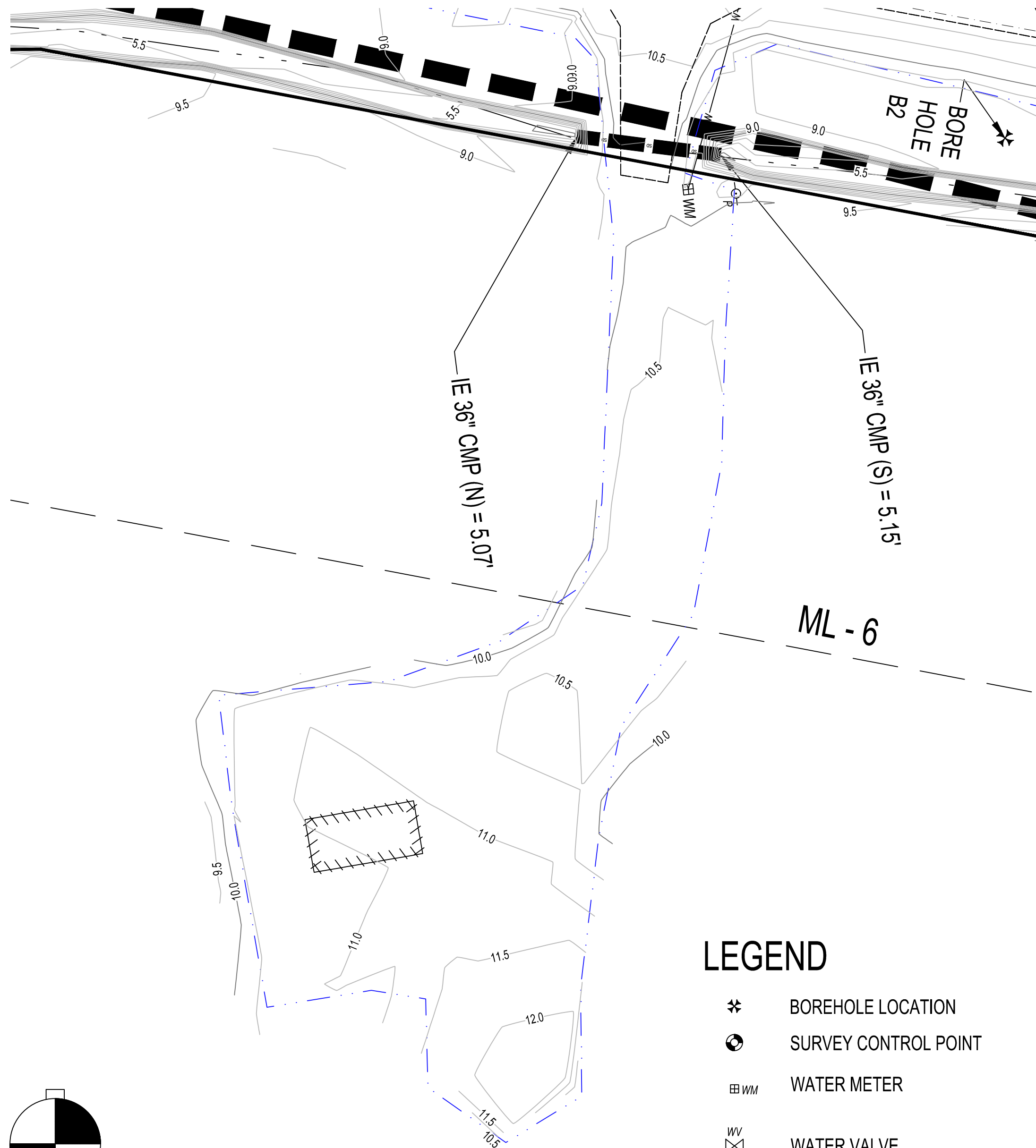


DSGN: _____	DRN: _____	CHKD: _____
APPROVED: _____	DATE: _____	
	COUNTY ROAD ENGINEER	
ACCEPTED: _____	DATE: _____	
	DIRECTOR OF PUBLIC WORKS	

WISHKAH ROAD NO. 94311  
WISHKAH ROAD FLOODWALL  
M.P. 2.2 TO M.P. 2.7  
FLOODWALL PLAN AND PROFILE VIEW (6 OF 6)

PROJ. NO: C-XXXXX-XX
ACAD CREF
SCALE: AS SHOWN
SHEET: 19 OF XX



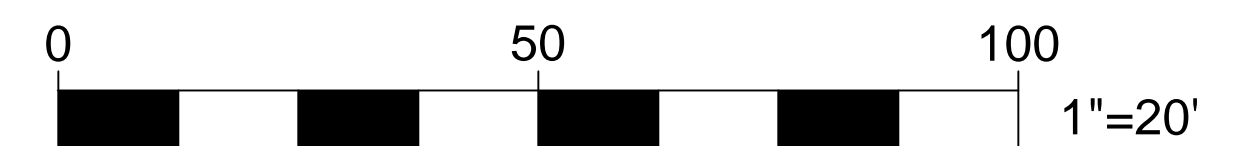
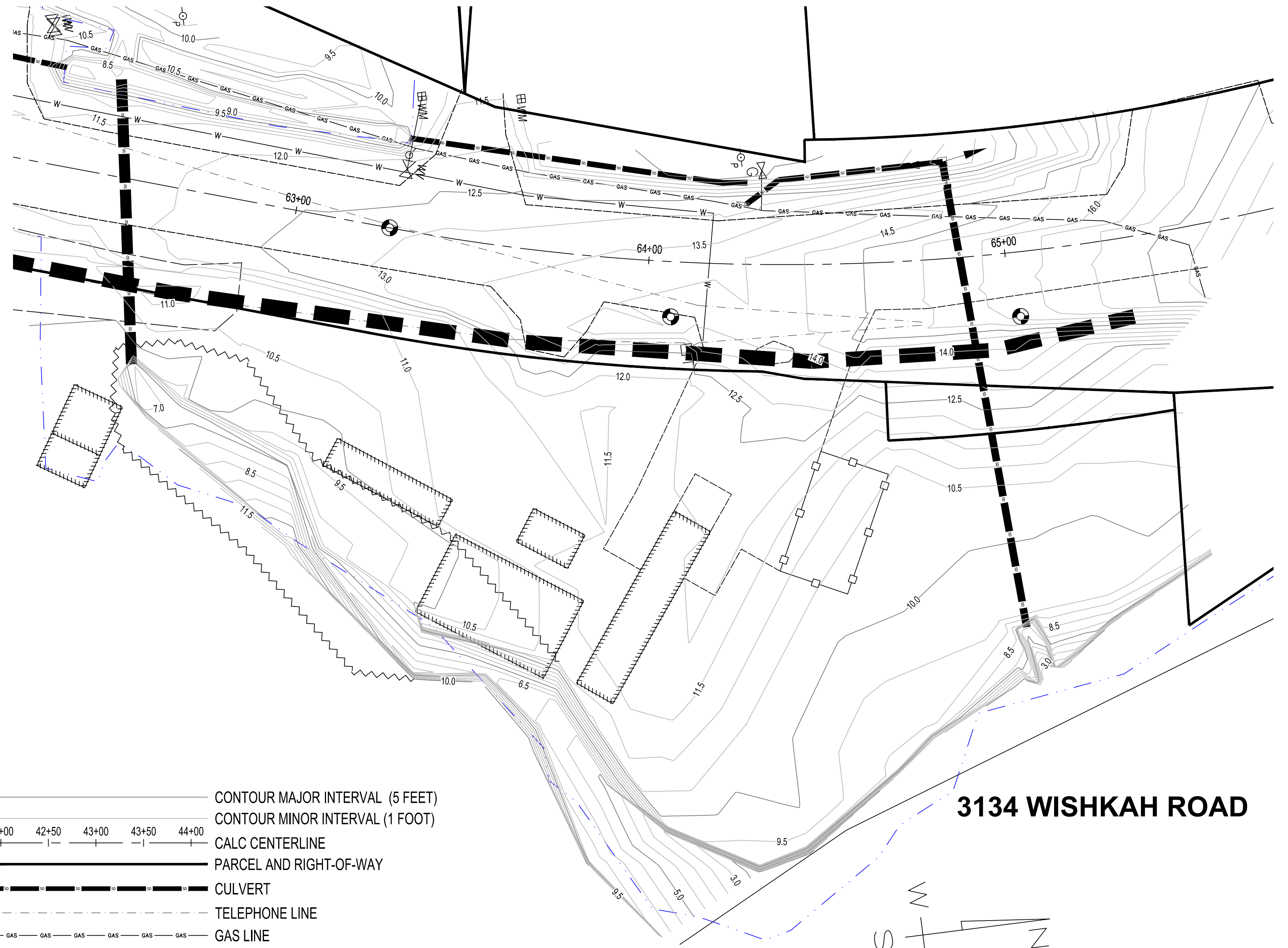


MERIDIAN ASSUMED  
THE BASIS OF BEARINGS FOR  
THIS SURVEY IS THE  
CENTERLINE OF WISHKAH ROAD.

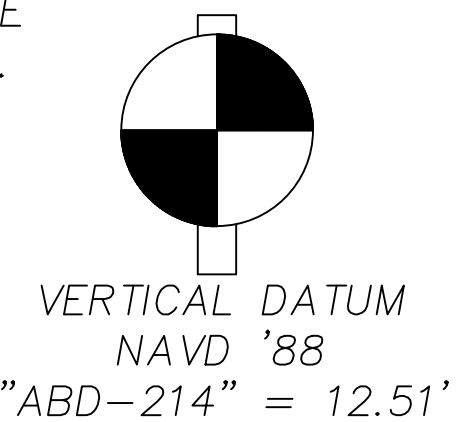
### LEGEND

- ✱ BOREHOLE LOCATION
- SURVEY CONTROL POINT
- WM WATER METER
- WV WATER VALVE
- P POWER POLE
- T TELEPHONE PEDESTAL
- G GAS VALVE
- GAS RISER
- FENCE POST

- CONTOUR MAJOR INTERVAL (5 FEET)
- CONTOUR MINOR INTERVAL (1 FOOT)
- CALC CENTERLINE
- PARCEL AND RIGHT-OF-WAY
- CULVERT
- TELEPHONE LINE
- GAS LINE
- WATER LINE
- EDGE OF PAVEMENT
- FENCE
- BUILDINGS EAST OF WISHKAH RIVER
- EDGE OF VEGETATION
- WETLAND BOUNDARY
- PROPOSED FLOODWALL



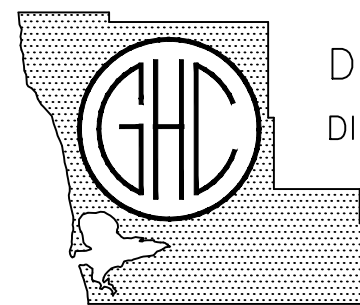
MERIDIAN ASSUMED  
THE BASIS OF BEARINGS FOR  
THIS SURVEY IS THE  
CENTERLINE OF WISHKAH ROAD.



## GRADING DETAILS AND QUANTITIES TO BE DEVELOPED AT 60% DESIGN LEVEL

## 30% DESIGN

NO	DATE	BY	APPR	REVISIONS



DEPARTMENT OF PUBLIC WORKS  
DIVISION OF ENGINEERING & CONSTRUCTION  
GRAYS HARBOR COUNTY  
MONTESANO, WASHINGTON

**amec**  
11810 North Creek Parkway North  
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Phone (425) 368-1000  
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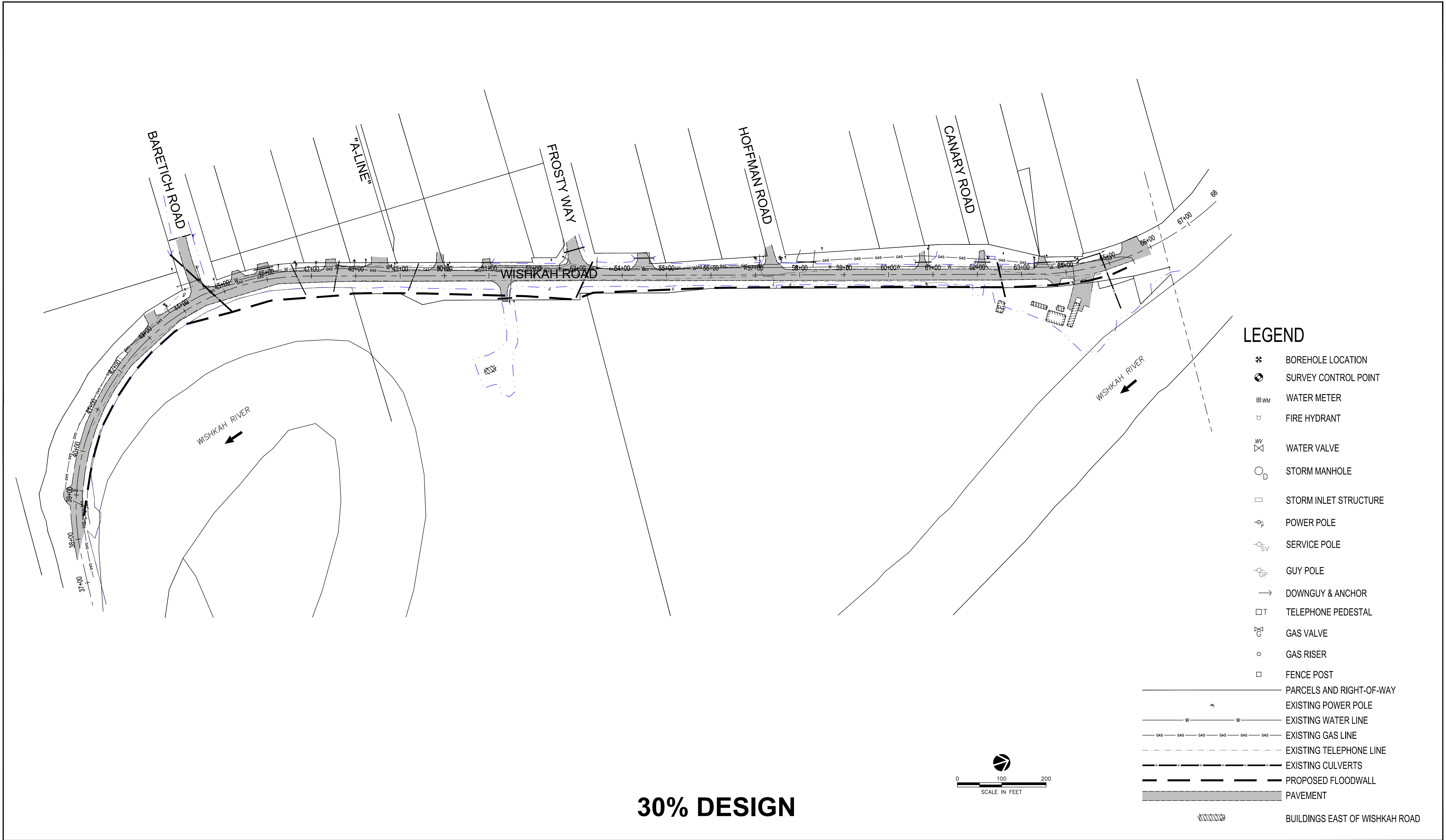


DSGN: _____	DRN: _____	CHKD: _____
APPROVED: _____	DATE: _____	
	COUNTY ROAD ENGINEER	
ACCEPTED: _____	DATE: _____	
	DIRECTOR OF PUBLIC WORKS	


WISHKAH ROAD NO. 94311  
WISHKAH ROAD FLOODWALL  
M.P. 2.2 TO M.P. 2.7  
GRADING PLAN

PROJ. NO: C-XXXXX-XX
ACAD CREF
SCALE: AS SHOWN
SHEET: 20 OF XX






NO	DATE	BY	APPR	REVISIONS



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DIVISION OF ENGINEERING & CONSTRUCTION  
GRAYS HARBOR COUNTY  
MONTESANO, WASHINGTON



11810 North Creek Parkway North  
Bothell, WA, U.S.A. 98011-8201  
Phone (425) 368-1000  
Fax (425) 368-1001

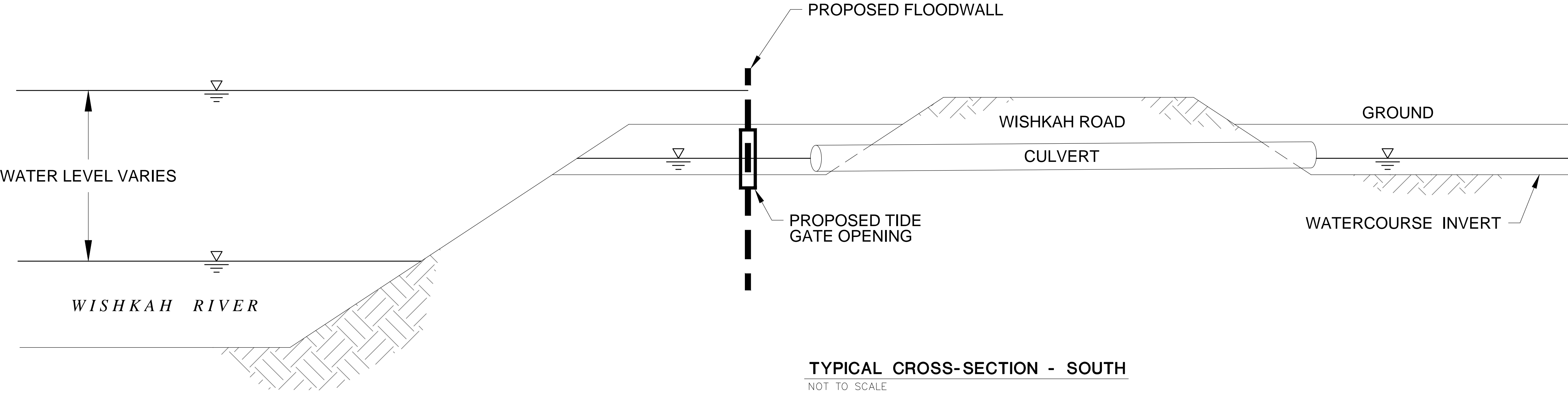
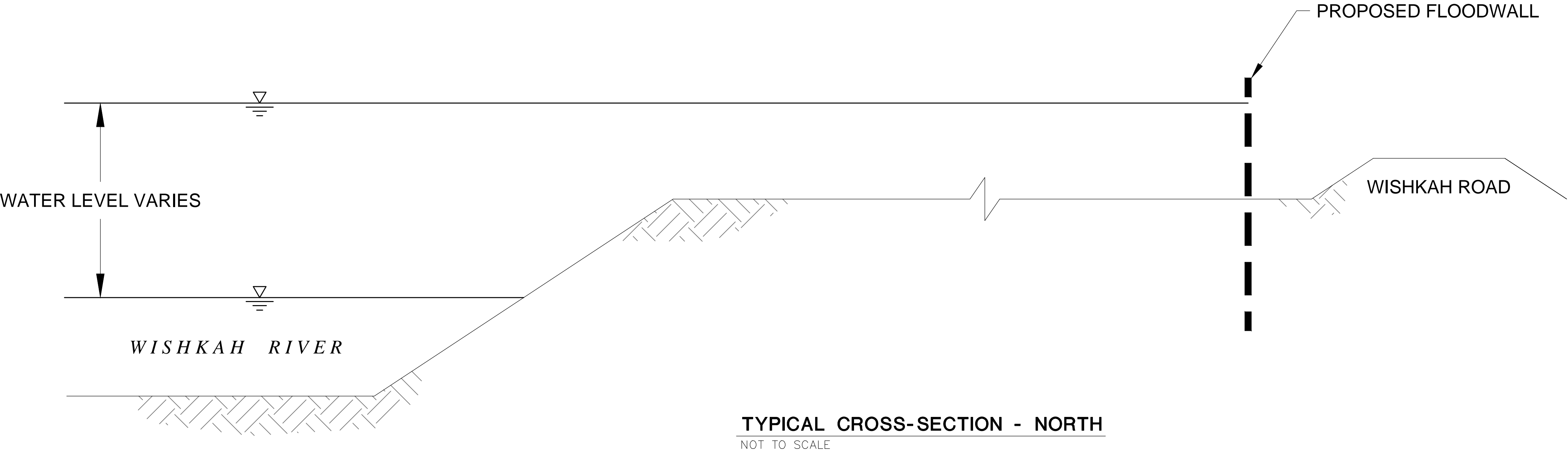


PRELIMINARY

DSGN: _____	DRN: _____	CHKD: _____
APPROVED: _____	DATE: _____	
COUNTY ROAD ENGINEER		
ACCEPTED: _____	DATE: _____	
DIRECTOR OF PUBLIC WORKS		

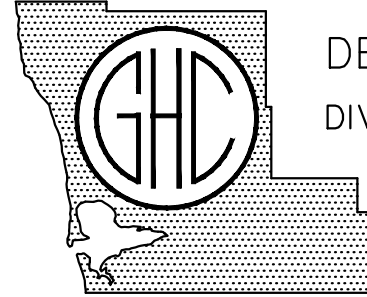
WISHKAH ROAD NO. 94311  
WISHKAH ROAD FLOODWALL  
M.P. 2.2 TO M.P. 2.7  
UTILITY PLAN

PROJ. NO: C-XXXXX-XX
ACAD CREF
SCALE: AS SHOWN
SHEET: 21 OF XX



30% DESIGN


NO	DATE	BY	APPR	REVISIONS



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DIVISION OF ENGINEERING & CONSTRUCTION  
  
GRAYS HARBOR COUNTY  
MONTESANO, WASHINGTON



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Fax (425) 368-1001



**PRELIMINARY**

DSGN: _____	DRN: _____	CHKD: _____
APPROVED: _____		DATE: _____
COUNTY ROAD ENGINEER		
ACCEPTED: _____		DATE: _____
DIRECTOR OF PUBLIC WORKS		




WISHKAH ROAD NO. 94311  
WISHKAH ROAD FLOODWALL  
M.P. 2.2 TO M.P. 2.7  
FLOODWALL DETAILS

PROJ. NO: C-XXXXX-XX
ACAD CREF
SCALE: AS SHOWN
SHEET: 22 OF XX



## TO BE DEVELOPED AT 60% DESIGN LEVEL

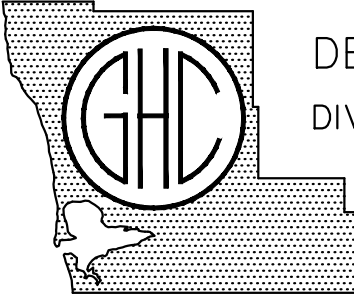
## 30% DESIGN


NO	DATE	BY	APPR	REVISIONS	 <p>DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING &amp; CONSTRUCTION</p> <p>GRAYS HARBOR COUNTY MONTESANO, WASHINGTON</p>	 <p>11810 North Creek Parkway North Bothell, WA, U.S.A. 98011-8201 Phone (425) 368-1000 Fax (425) 368-1001</p>	 <p><b>PRELIMINARY</b></p>	DSGN:      DRN:      CHKD:	WISHKAH ROAD NO. 94311 WISHKAH ROAD FLOODWALL M.P. 2.2 TO M.P. 2.7 TIDE GATE DETAILS	PROJ. NO: C-XXXXX-XX
				APPROVED:      DATE:				ACAD CREF		
				COUNTY ROAD ENGINEER				SCALE: AS SHOWN		
				ACCEPTED:      DATE:				SHEET: 23 OF XX		
				DIRECTOR OF PUBLIC WORKS						


TO BE DEVELOPED AT 60% DESIGN LEVEL

30% DESIGN

NO					DATE					BY					APPR					REVISIONS				

	DEPARTMENT OF PUBLIC WORKS	
	DIVISION OF ENGINEERING & CONSTRUCTION	
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	MONTESANO, WASHINGTON	

	
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Fax (425) 368-1001	

	PRELIMINARY	

DSGN:    _ _ _ _	DRN:    _ _ _ _	CHKD:    _ _ _ _
APPROVED:    _____		DATE:    _____
COUNTY ROAD ENGINEER		
ACCEPTED:    _____		DATE:    _____
DIRECTOR OF PUBLIC WORKS		




WISHKAH ROAD NO. 94311	
WISHKAH ROAD FLOODWALL	
M.P. 2.2 TO M.P. 2.7	
HABITAT IMPROVEMENT PLAN	

PROJ. NO: C-XXXXX-XX
ACAD CREF
SCALE: AS SHOWN
SHEET:    24    OF    XX






## TO BE DEVELOPED AT 60% DESIGN LEVEL

## 30% DESIGN

NO	DATE	BY	APPR	REVISIONS	 <p>DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING &amp; CONSTRUCTION</p> <p>GRAYS HARBOR COUNTY MONTESANO, WASHINGTON</p>	 <p>11810 North Creek Parkway North Bothell, WA, U.S.A. 98011-8201 Phone (425) 368-1000 Fax (425) 368-1001</p>	 <p><b>PRELIMINARY</b></p>	DSGN:      DRN:      CHKD:	WISHKAH ROAD NO. 94311 WISHKAH ROAD FLOODWALL M.P. 2.2 TO M.P. 2.7 HABITAT IMPROVEMENT DETAILS	PROJ. NO: C-XXXX-XX
				APPROVED:      DATE:				ACAD CREF		
				COUNTY ROAD ENGINEER				SCALE: AS SHOWN		
				ACCEPTED:      DATE:				SHEET: 25 OF XX		
				DIRECTOR OF PUBLIC WORKS						

## TO BE DEVELOPED AT 60% DESIGN LEVEL




## 30% DESIGN

NO	DATE	BY	APPR	REVISIONS	 <p>DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING &amp; CONSTRUCTION</p> <p>GRAYS HARBOR COUNTY MONTESANO, WASHINGTON</p>	 <p>11810 North Creek Parkway North Bothell, WA, U.S.A. 98011-8201 Phone (425) 368-1000 Fax (425) 368-1001</p>	 <p><b>PRELIMINARY</b></p>	DSGN:      DRN:      CHKD:	WISHKAH ROAD NO. 94311 WISHKAH ROAD FLOODWALL M.P. 2.2 TO M.P. 2.7 PLANTING PLAN	PROJ. NO: C-XXXXX-XX
								ACAD CREF		
								SCALE: AS SHOWN		
								SHEET: 26 OF XX		






## TO BE DEVELOPED AT 60% DESIGN LEVEL

## 30% DESIGN

NO	DATE	BY	APPR	REVISIONS	 <p>DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING &amp; CONSTRUCTION</p> <p>GRAYS HARBOR COUNTY MONTESANO, WASHINGTON</p>	 <p>11810 North Creek Parkway North Bothell, WA, U.S.A. 98011-8201 Phone (425) 368-1000 Fax (425) 368-1001</p>	 <p><b>PRELIMINARY</b></p>	DSGN:      DRN:      CHKD:	WISHKAH ROAD NO. 94311 WISHKAH ROAD FLOODWALL M.P. 2.2 TO M.P. 2.7 PLANT LIST	PROJ. NO: C-XXXXX-XX
								ACAD CREF		
								SCALE: AS SHOWN		
								SHEET: 27 OF XX		

## TO BE DEVELOPED AT 60% DESIGN LEVEL

## 30% DESIGN

NO	DATE	BY	APPR	REVISIONS	 <p>DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING &amp; CONSTRUCTION</p> <p>GRAYS HARBOR COUNTY MONTESANO, WASHINGTON</p>	 <p>11810 North Creek Parkway North Bothell, WA, U.S.A. 98011-8201 Phone (425) 368-1000 Fax (425) 368-1001</p>	 <p><b>PRELIMINARY</b></p>	DSGN:      DRN:      CHKD:	WISHKAH ROAD NO. 94311 WISHKAH ROAD FLOODWALL M.P. 2.2 TO M.P. 2.7 PLANTING DETAILS	PROJ. NO: C-XXXXX-XX
				APPROVED:      DATE:				ACAD CREF		
				COUNTY ROAD ENGINEER				SCALE: AS SHOWN		
				ACCEPTED:      DATE:				SHEET: 28 OF XX		
				DIRECTOR OF PUBLIC WORKS						