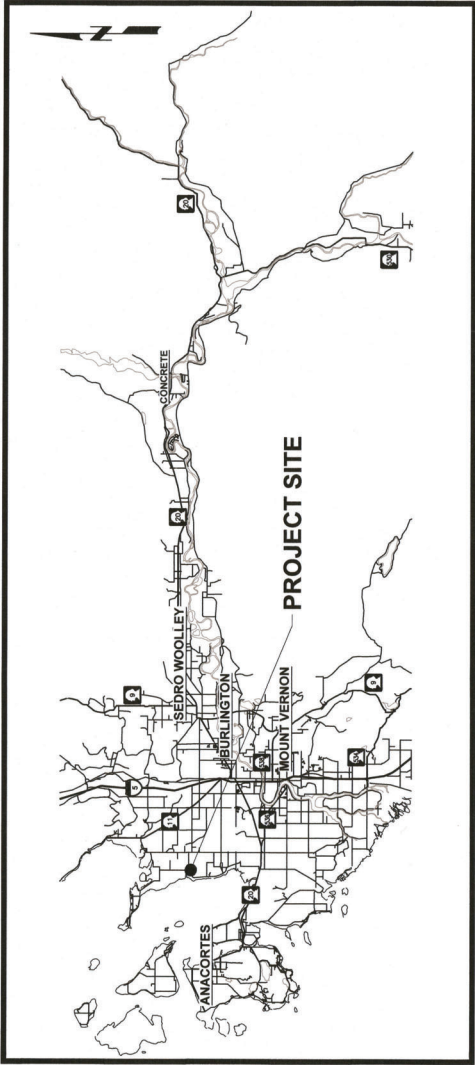


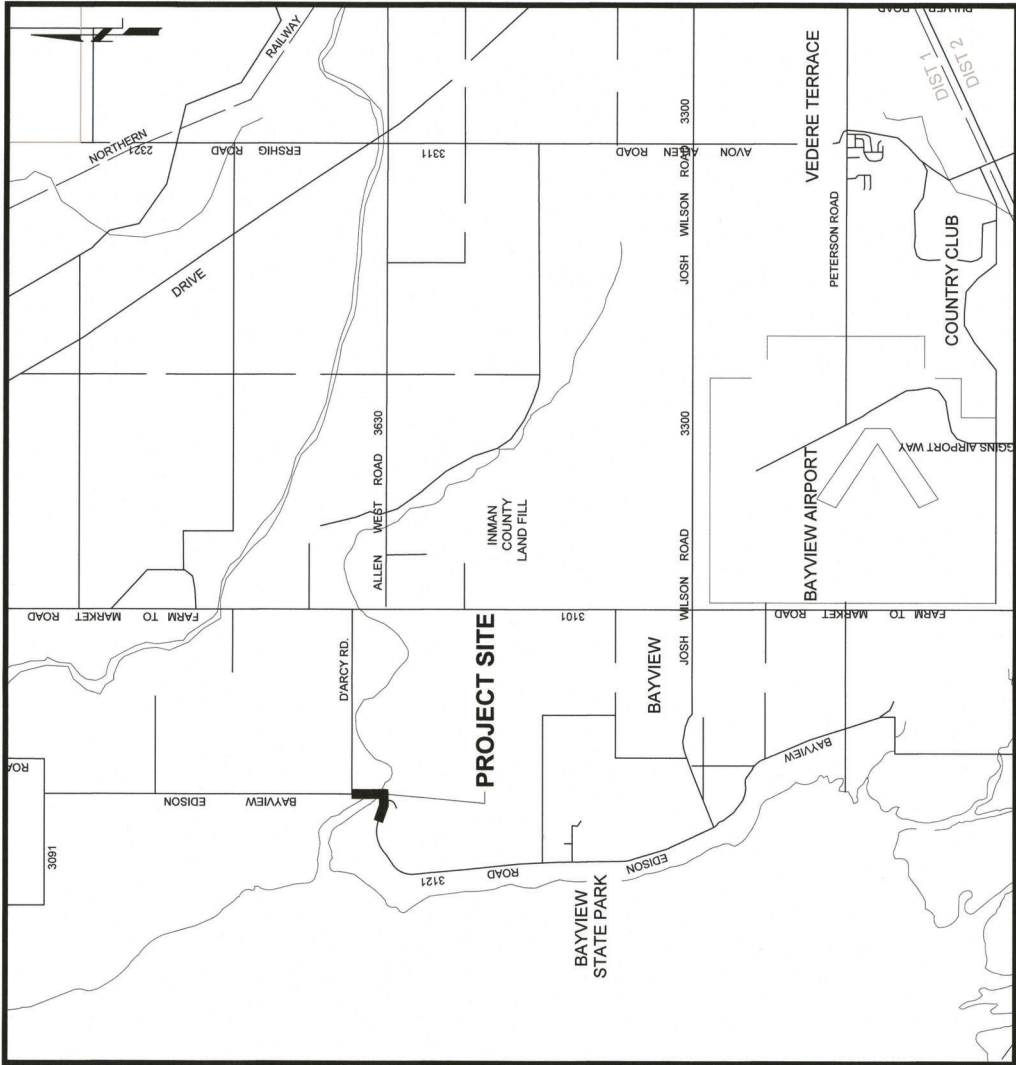
BAY VIEW-EDISON JOE LEARY SLOUGH BRIDGE (DECK OVERLAY)

ES31210-5

FEDERAL AID NO. BHS-L291(002)



VICINITY MAP NTS
SECTION 3 & 4, T.34N., R.4E., W.M.



SITE MAP NTS



SKAGIT COUNTY OFFICIALS

- BOARD OF COMMISSIONERS
- RON WESEN, CHAIR
 - LISA JANICKI, COMMISSIONER
 - PETER BROWNING, COMMISSIONER

APPROVED FOR CONSTRUCTION

[Signature]
GRACE K. KANE, P.E., PUBLIC WORKS DIRECTOR/COUNTY ENGINEER

[Signature] 8/14/2023
DATE

Sheet List Table	
Sheet Number	Sheet Title
1	COVER SHEET
2	NOTES
3	TRAFFIC CONTROL PLAN
4	SITE PREP & TESC PLAN
5	ROADWAY PLAN, TYPICAL SECTION, & DRAINAGE PLAN
6	BRIDGE OVERLAY
7	GABION LAYOUT
8	GABION DETAILS

Summary of Quantities

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
1	MOBILIZATION	L.S.	1.00
2	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.S.	1.00
3	ROADWAY EXCAVATION INCL. HAUL	C.Y.	40.00
4	QUARRY SPALLS	TON	45.00
5	OUTLET PROTECTION	EACH	3.00
6	CORRUGATED POLYETHYLENE DRAIN PIPE 12 IN. DIAM.	L.F.	25.00
7	CATCH BASIN TYPE 1 - CB#1	EACH	1.00
8	CATCH BASIN TYPE 1 - CB#2	EACH	1.00
9	MODIFIED CONC. OVERLAY	C.F.	370.00
10	FINISHING AND CURING MODIFIED CONC. OVERLAY	S.Y.	340.00
11	SCARIFYING CONC. SURFACE	S.F.	400.00
12	FURTHER DECK PREPARATION FOR TYPE 1 DECK REPAIR	TON	30.00
13	CRUSHED SURFACING BASE COURSE	TON	50.00
14	HMA CL. 1/2 IN. PG 58H-22	TON	64.00
15	LONGITUDINAL JOINT SEAL	L.F.	1.00
16	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.F.	15.00
17	EXTRUDED CURB TYPE 2	L.F.	110.00
18	EXTRUDED CURB TYPE 5	L.F.	130.00
19	REMOVING AND RESETTING BEAM GUARDRAIL	L.F.	860.00
20	PAINT LINE	HR	1,344.00
21	PORTABLE CHANGEABLE MESSAGE SIGN	HR	200.00
22	FLAGGERS	HR	60.00
23	OTHER TRAFFIC CONTROL LABOR	L.S.	1.00
24	TRAFFIC CONTROL SUPERVISOR	S.F.	263.00
25	CONSTRUCTION SIGNS CLASS A	DOL	EST
26	WORK ZONE SAFETY CONTINGENCY	L.S.	1.00
27	STRUCTURE SURVEYING	C.Y.	40.00
28	GABION CRIBBING	L.S.	1.00
29	TRIMMING AND CLEANUP	DOL	EST
30	MINOR CHANGE	L.S.	1.00
31	SPOC PLAN	L.S.	1.00
32	RECORD DRAWINGS	L.S.	1.00
33	GABION REPAIR	L.S.	1.00

SURVEY NOTES:

HORIZONTAL DATUM: NAD83 WASHINGTON
STATE PLANE NORTH ZONE
VERTICAL DATUM: NAVD88

Know what's below
Call before you dig.
Determina lo que está bajo tierra



1. ALL TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE MOST CURRENT MANUAL ON UNIFORM TRAFFIC DEVICES (MUTCD) SECTION 6 AND THE WSDOT 2023 STANDARD SPECIFICATIONS.
2. ALL SIGNS SHALL BE PER WSDOT SIGN FABRICATION MANUAL UNLESS OTHERWISE SPECIFIED. DIAMOND SHAPED SIGNS SHALL BE AS DESIGNATED ON PLANS.
3. REMOVE CONFLICTING EXISTING PAVEMENT MARKINGS AND SECURELY COVER CONFLICTING EXISTING SIGNS.
4. TYPE C STEADY BURNING LIGHTS REQUIRED ON ALL CHANNELIZING DEVICES USED DURING HOURS OF DARKNESS.
5. CONTRACTOR SHALL INSTALL AND REMOVE ALL NECESSARY TEMPORARY TRAFFIC CONTROL SIGNS AS NOTED ON THESE PLANS. ALL EXISTING SIGNS REMOVED SHALL BE SALVAGED FOR COLLECTION BY THE AGENCY UNLESS OTHERWISE NOTED.
6. DEVICES SHALL NOT ENCROACH INTO ADJACENT VEHICLE LANES OR DRIVEWAYS.
7. CONTRACTOR SHALL BE RESPONSIBLE IN PROVIDING SIGNS AT ALL TIMES DURING CONSTRUCTION. ANY DAMAGE TO ROADS OR PROPERTY ON THE DETOUR ROUTE CAUSED BY CONTRACTOR ACTIVITIES SHALL BE REPAIRED TO THE SATISFACTION OF THE COUNTY AT THE CONTRACTOR'S EXPENSE.
8. BAYVIEW STATE PARK SHALL REMAIN OPEN TO PUBLIC ACCESS FOR THE DURATION OF CONSTRUCTION. CONTRACTOR SHALL MAINTAIN ACCESS TO THE PARK FOR THE DURATION OF CONSTRUCTION.
9. THE CONTRACTOR SHALL TEMPORARILY USE AREAS DESIGNATED ON BAYVIEW-EDISON RD FOR VEHICLE, MATERIAL & EQUIPMENT STORAGE AS DIRECTED BY THE COUNTY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT NO DAMAGE IS CAUSED TO PROPERTY ASSOCIATED WITH THE BRIDGE CONSTRUCTION AREA.

1. TO THE GREATEST EXTENT PRACTICAL ACCESS CONNECTING BAYVIEW-EDISON ROAD & PRIVATE ACCESS DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES WITH AN APPROPRIATE FLAGGING PLAN PREPARED BY THE CONTRACTOR. THE PLAN WILL CONFORM WITH THE MUTCD AND BE APPROVED BY SKAGIT COUNTY.

JOE LEARY BRIDGE TC CONSTRUCTION NOTES	
STAGE	DESCRIPTION
PREP	① A PROTECTIVE VEHICLE IS REQUIRED. A TRUCK MOUNTED ATTENUATOR (TMA) IS RECOMMENDED. A PROTECTIVE VEHICLE SHALL BE STRATEGICALLY LOCATED TO SHIELD WORKERS, WITH MINIMUM REQUIRED ROLL-AHEAD DISTANCE.
PREP	② DEVICES SHALL NOT ENCRoACH INTO ADJACENT LANE.
PREP	③ FOR SIGNS REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND WSDOT SIGN FABRICATION MANUAL W55-05.
STAGES I & II	④ PCMS LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED THROUGH COORDINATION WITH THE SKAGIT COUNTY ENGINEER.
STAGES I & II	⑤ CONFLICTING PAVEMENT MARKINGS NO LONGER APPLICABLE MUST BE REMOVED OR OBLITERATED AS SOON AS POSSIBLE.
STAGES I & II	⑥ STEADY BURN WARNING LIGHTS (TYPE C, MUTCD) MUST BE USED ON CHANNELIZING DEVICES AT NIGHT FOR DELINEATION.
STAGES I & II	⑦ CONTRACTORS SHALL MAINTAIN DRIVEWAY ACCESS TO ADJACENT PROPERTIES AND SHALL KEEP ALL DRIVEWAYS OPEN TO TRAFFIC.
STAGES I & II	⑧ INSTALL TYPE III BARRICADES AND SIGNS PER WSDOT STANDARDS.
STAGES I & II	⑨ COVER EXISTING SIGNS IN PART OR COMPLETELY AS REQUIRED ON THE TRAFFIC CONTROL PLANS PRIOR TO IMPLEMENTING OR TERMINATING STAGE II DETOUR.
	⑩ NOT IN USE
STAGE II	⑪ W-SERIES SIGNS WILL BE 36" X 36" UNLESS OTHERWISE NOTED.
STAGE II	⑫ M-SERIES SIGNS WILL BE 24" X 30" UNLESS OTHERWISE NOTED.
STAGES I & II	⑬ ALL CONSTRUCTION SIGNS WILL BE BLACK ON ORANGE UNLESS OTHERWISE NOTED.
STAGES I & II	⑭ CONTRACTOR SHALL PROVIDE 11' OR 12' TRAFFIC CONTROL LANES EXCEPT WHERE OTHERWISE APPROVED BY THE ENGINEER.
STAGES I & II	⑮ PRIOR TO CONSTRUCTION THE CONTRACTOR WILL PLAN AND COORDINATE ACTIVITIES WITH THE SKAGIT COUNTY ENGINEER. THE TCS WILL COORDINATE WITH BUSINESS ADJACENT TO CONSTRUCTION IF APPLICABLE.
STAGES I & II	⑯ FLAGGERS WILL BE PRESENT DURING ACTIVE CONSTRUCTION ACTIVITY OR DURING CONSTRUCTION ACTIVITY IN PROXIMITY TO ACTIVE TRAFFIC.
STAGE II	⑰ REPLACE STAGE I POMS MESSAGE WITH STAGE II POMS MESSAGE.

MINIMUM TAPER LENGTH = L (FEET)									
LANE WIDTH (FEET)	25	30	35	40	45	50	55	60	
10	105	150	205	270	450	500	550	-	
11	115	165	225	294	495	550	605	660	
12	125	180	245	320	540	600	650	720	

PADILLA BAY

BAY VIEW BRIDGE

STAGE I

STAGE II

LEGEND

CHANNELIZING DEVICE SPACING

SIGN SPACING = X (1)

ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS, DRIVEWAYS.

(1) THIS SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

TRANTECH Engineering LLC

**BAY VIEW-EDISON JOE LEARY
SLOUGH BRIDGE (DECK
OVERLAY)**

TRAFFIC CONTROL PLAN

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
3 OF 8

PROJECT NO.: ES31210-5

FED. AID NO.: BHS-L291(002)

DESIGNED BY: SAT

CHECKED BY: DMS

DRAWN BY: KVV

APPROVED BY:

PROJECT LOCATED NEAR:

BOW, WASHINGTON

PROFESSIONAL ENGINEER

08/01/2023

Sealed by: *Seal of the State of Washington*

ES36628C9093477

Seal of the State of Washington

NO.

REVISIONS

DATE

SKAGIT COUNTY

PUBLIC WORKS

1800 CONTINENTAL PLACE

MOUNT VERNON, WA 98273-5625

(360) 416-1400 FAX (360) 416-1405

BAY VIEW-EDISON JOE LEARY SLOUGH BRIDGE (DECK OVERLAY)

SITE PREP & TESC PLAN

1 INCH SCALE BAR

ADJUST SCALE ACCORDINGLY

SHEET

4 OF 8

TRANTECH

Engineering LLC

XX SITE PREP NOTES

1. SAWCUT EXISTING PAVEMENT AT A DISTANCE 25' FROM THE SKEWED ABUTMENT (MEASURED PARALLEL)

2. SAWCUT 5'x5' FOR CATCH BASIN

3. REMOVE EXISTING 12" CORRUGATED CULVERT PIPE

4. TRIMMING AND CLEANUP AS DIRECTED BY THE ENGINEER

5. REMOVING AND RESETTING BEAM GUARDRAIL

6. REMOVING ASPHALT CONC. CURB

7. REMOVING AND RESETTING TYPE 3 OBJECT MARKERS – WORK IS INCIDENTAL TO THE BID ITEM "REMOVING AND RESETTING BEAM GUARDRAIL"

8. REMOVING EXISTING CONCRETE SPILLWAY

XX TESC NOTES

9. HIGH VISIBILITY SILT FENCE PER WSDOT STD PLAN I-30.17-01

10. STRAW WATTLES PER WSDOT STD PLAN I-30.30-02

11. PROTECT AND COVER CONCRETE SCUPPER DRAIN

12. PROTECT AND COVER CAST-IN-PLACE IRON SCUPPER DRAIN

LEGEND

— SAW

SAWCUT

ROADWAY EXCAVATION INCL. HAUL – ASPHALT CONCRETE PAVEMENT ONLY

ROADWAY EXCAVATION INCL. HAUL – FULL DEPTH = 9 INCHES

BRIDGE DECK SCARIFICATION LIMITS

TRIMMING AND CLEANUP AS DIRECTED BY THE ENGINEER

CONSTRUCTION STORMWATER POLLUTION PREVENTION (SWPPP) ELEMENTS:

ELEMENT 1 – PRESERVE VEGETATION/MARK CLEARING LIMITS

PROPOSED BMP: HIGH VISIBILITY SILT FENCE – WSDOT STD PLAN I-30.17-01

ELEMENT 2 – ESTABLISH CONSTRUCTION ACCESS

PROPOSED BMP: N/A

ELEMENT 3 – CONTROL FLOW RATES

PROPOSED BMP: STRAW WATTLES – WSDOT STD PLAN I-30.20-02

ELEMENT 4 – INSTALL SEDIMENT CONTROLS

PROPOSED BMPs: STRAW WATTLES – WSDOT STD PLAN I-30.20-02
STREET CLEANING – WSDOT STD SPEC. 8-01.3(8)

ELEMENT 5 – STABILIZE SOILS

PROPOSED BMP: N/A

ELEMENT 6 – PROTECT SLOPES

PROPOSED BMP: N/A

ELEMENT 7 – PROTECT DRAIN INLETS

PROPOSED BMPs: PROPOSED CATCH BASINS (IF INSTALLED BEFORE OTHER WORK) – WSDOT STD PLAN I-40.20-00
OTHER INLETS – NONSTANDARD, SEE TESC NOTES #10 & #11

ELEMENT 8 – STABILIZE CHANNELS AND OUTLETS

PROPOSED BMP: N/A

ELEMENT 9 – CONTROL POLLUTANTS

PROPOSED BMP: 2019 SWMMWW BMP C151, BMP C152, BMP C153, BMP C154

ELEMENT 10 – CONTROL DEWATERING

PROPOSED BMP: N/A

ELEMENT 11 – MAINTAIN BMPs

PROPOSED BMP: 2019 SWMMWW BMP C160

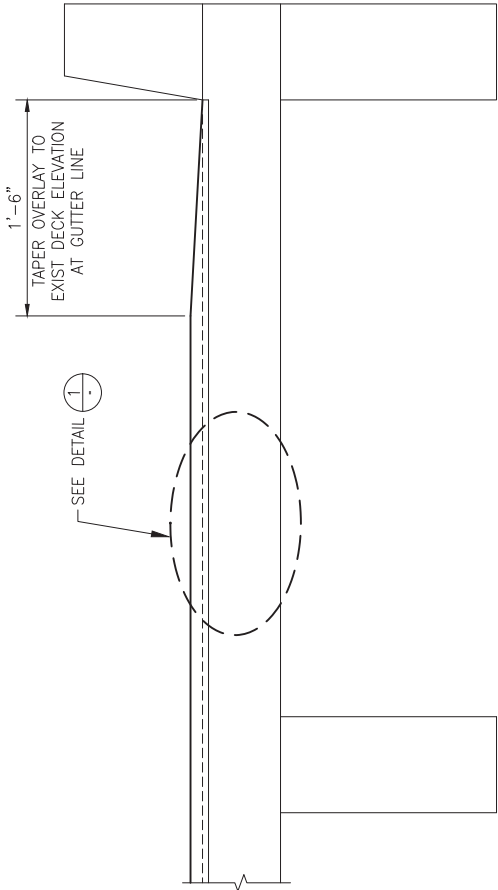
ELEMENT 12 – MANAGE THE PROJECT

PROPOSED BMP: 2019 SWMMWW BMP C160

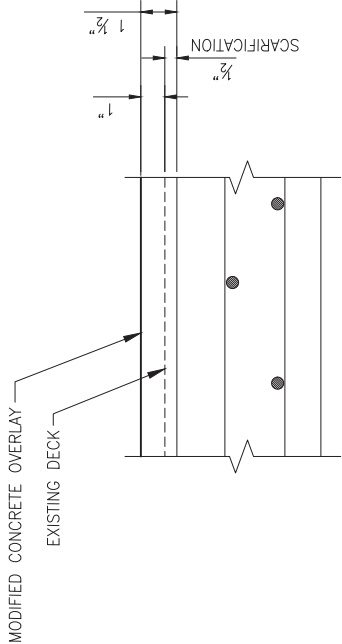
ELEMENT 13 – PROTECT LOW IMPACT DEVELOPMENT (LID) BMPs

PROPOSED BMP: N/A

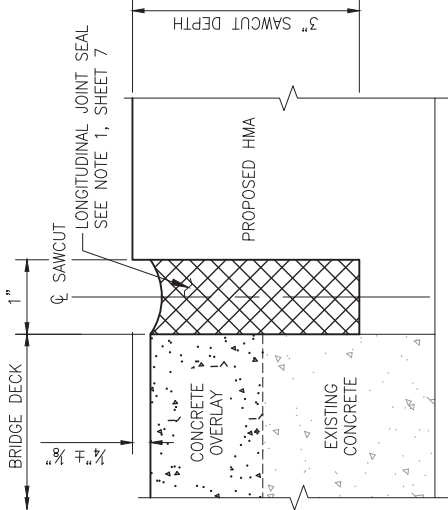
SECTION A
(TYPICAL)



DETAIL 1



DETAIL 2



BAY VIEW-EDISON JOE LEARY
 SLOUGH BRIDGE (DECK
 OVERLAY)
 BRIDGE OVERLAY

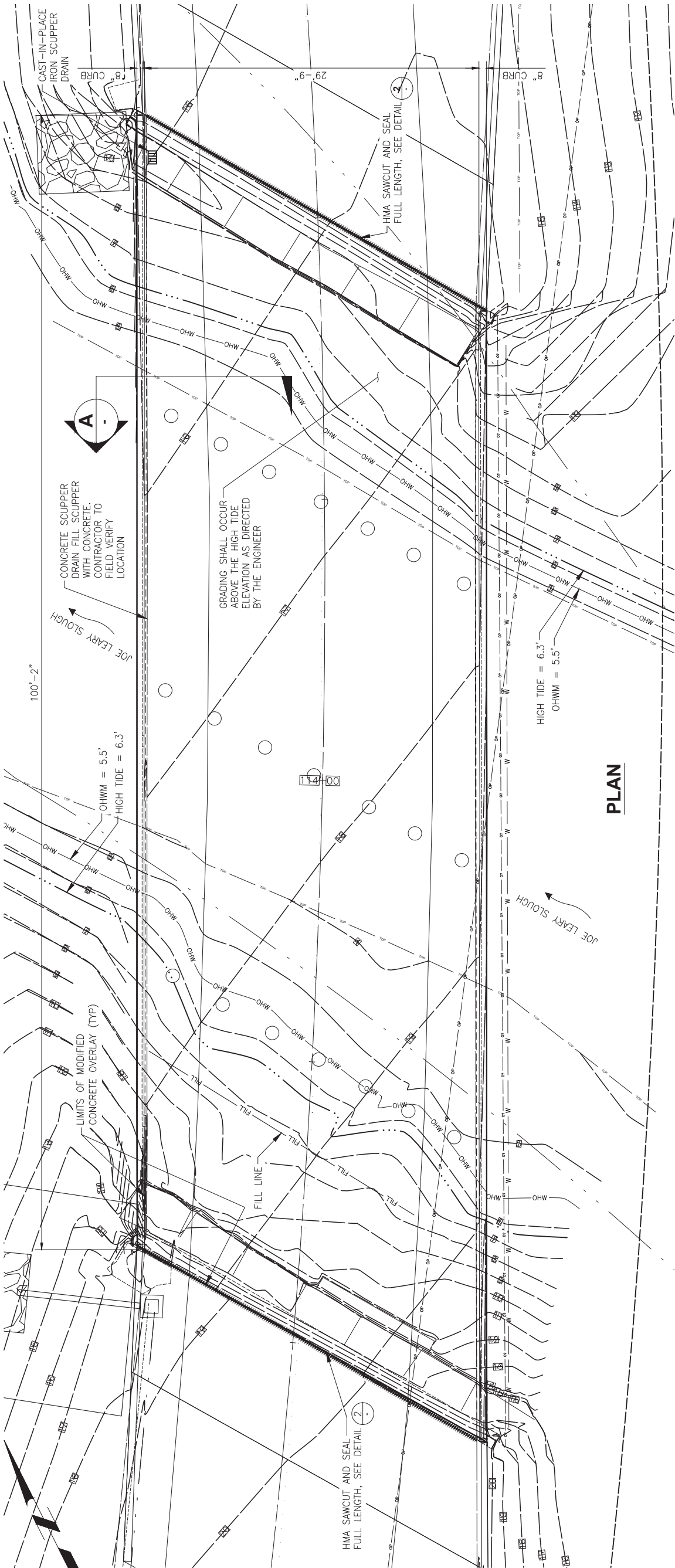
PROJECT NO.: ES31210-5		FED. AID NO.: BHS-L291(002)		DESIGNED BY: JK		CHECKED BY: KN		PROJECT LOCATED NEAR: BOW, WASHINGTON	
DRAWN BY: DJ		APPROVED BY: KN							



ENGINEER OF RECORD
DESIGNED BY: *Shahar N. Khatami*
DESIGN ENGINEER

NO.	REVISIONS	DATE

SKAGIT COUNTY
 PUBLIC WORKS
 1800 CONTINENTAL PLACE
 MOUNT VERNON, WA 98273-5625
 (360) 416-1400 FAX (360) 416-1405





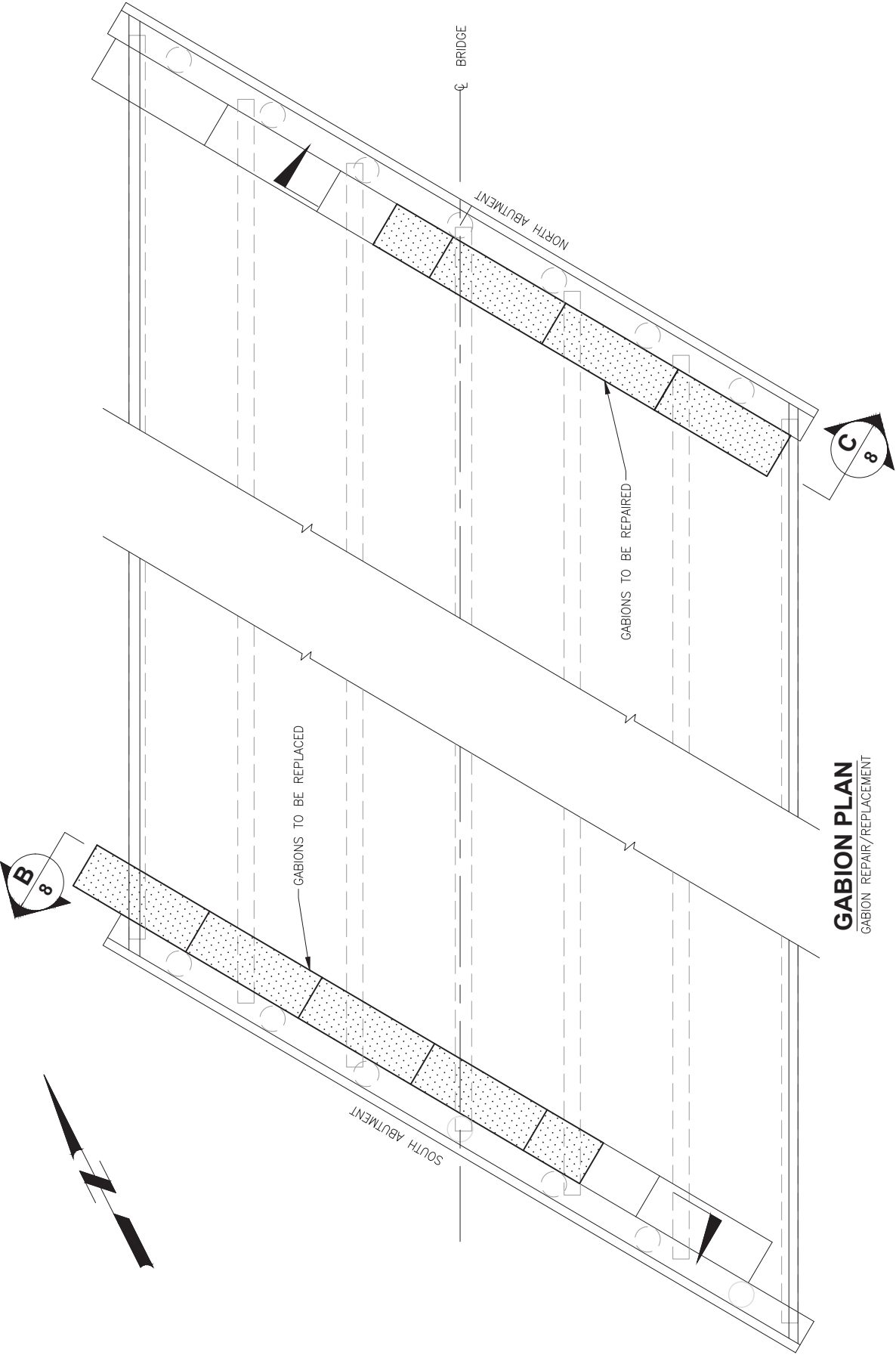
VIEW OF DAMAGED DECK AND SETTLING
APPROACH ROADWAY FROM BAY VIEW-EDISON RD
(LOOKING NORTH)



VIEW OF DAMAGED GABION
FROM NORTH ABUTMENT
(LOOKING NORTH)



VIEW OF DAMAGED GABION
FROM SOUTH ABUTMENT
(LOOKING SOUTHEAST)



NOTES:

- SAWCUT SHALL BE AS DESCRIBED IN STANDARD SPECIFICATION SECTION 5-05.3(8) AND SEALED IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 5-03.3(2)B.
- THE CONTRACTOR SHALL AVOID SAWCUTTING CONCRETE AT ALL LOCATIONS.
- GABIONS SHALL EXTEND DOWN TO COMPETENT NATIVE GROUND.
- GABIONS ON THE NORTH SIDE TO BE REPAIRED BY BACK FILLING UNDERNEATH AND BUTTRESSING.
- SEE SHEET 6 OF 8 FOR OHWM. GRADING REQUIRED ABOVE 6.5 CONTOURS.
- NEW GABIONS SHALL MATCH IN LENGTH, WIDTH, AND HEIGHT TO EXISTING GABIONS.

NO.	REVISIONS	DATE

SKAGIT COUNTY
PUBLIC WORKS
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273-5625
(360) 416-1400 FAX (360) 416-1405

ENGINEER OF RECORD Kishanwar Nikrad Professional Engineer 08/01/2023		DESIGN ENGINEER	
PROJECT LOCATED NEAR: BOW, WASHINGTON			
FED. AID NO.: BHS-L291(002)	DESIGNED BY: JK	CHECKED BY: KN	PROJECT NO.: ES31210-5
DRAWN BY: DJ	APPROVED BY: KN	BOW, WASHINGTON	

BAY VIEW-EDISON JOE LEARY SLOUGH BRIDGE (DECK OVERLAY)		GABION LAYOUT	
--	--	---------------	--

1 INCH SCALE BAR ADJUST SCALE ACCORDINGLY		SHEET 7 OF 8	
--	--	-----------------	--

BAY VIEW-EDISON JOE LEARY
 SLOUGH BRIDGE (DECK
 OVERLAY)

GABION DETAILS

PROJECT NO.: ES31210-5	
FED. AID NO.: BHS-L291(002)	DESIGNED BY: JK
DRAWN BY: DJ	CHECKED BY: KN
APPROVED BY: KN	
PROJECT LOCATED NEAR: BOW, WASHINGTON	

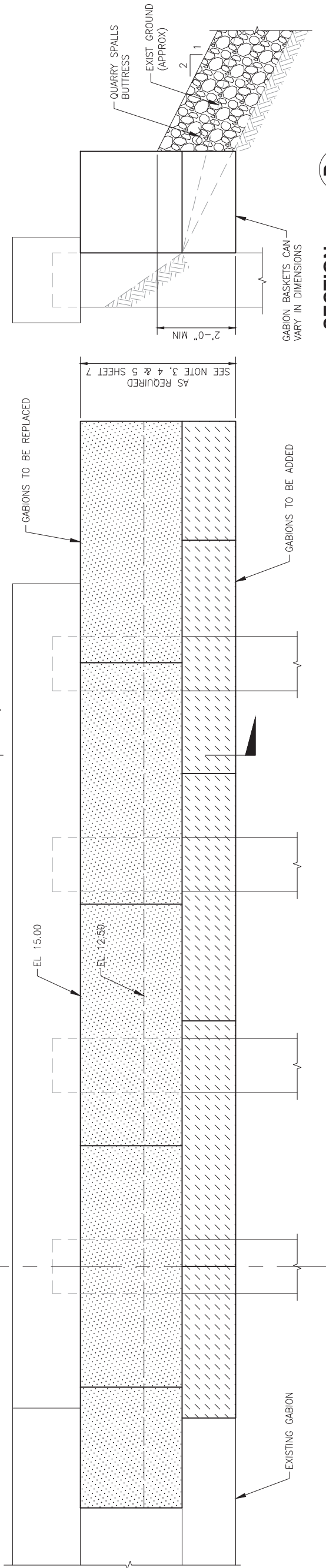


ENGINEER OF RECORD

DESIGN ENGINEER

NO.	REVISIONS	DATE

Skagit County
Public Works
 1800 CONTINENTAL PLACE
 MOUNT VERNON, WA 98273-5625
 (360) 416-1400 FAX (360) 416-1405

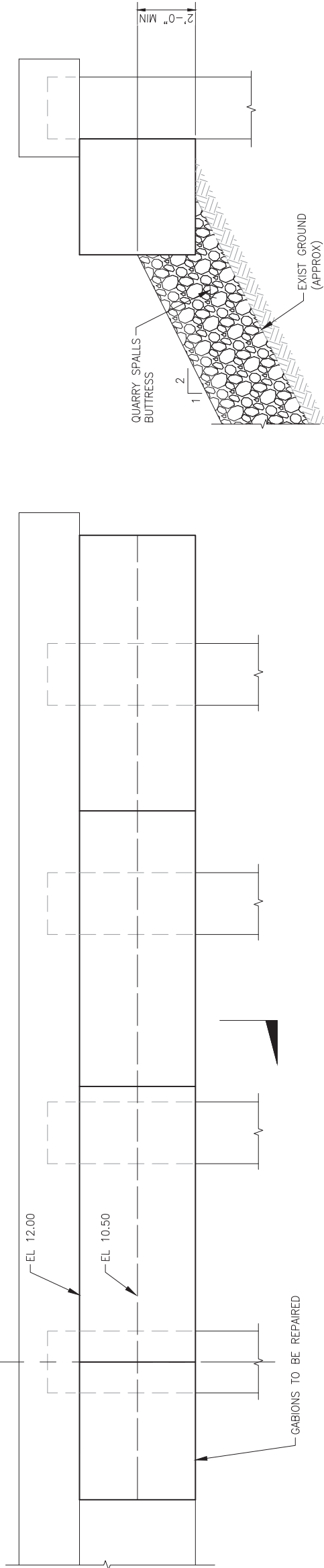


ELEVATION **B**
 LOOKING BACK
 ON STATIONS

SECTION **D**

NOTE:

- SEE SHEET 6 OF 8 FOR OHWM. GRADING REQUIRED ABOVE 6.5 CONTOURS. GRADE 2:1 TO ELEVATION 6.5 FEET.



ELEVATION **C**
 7

SECTION **E**
 (TYPICAL)