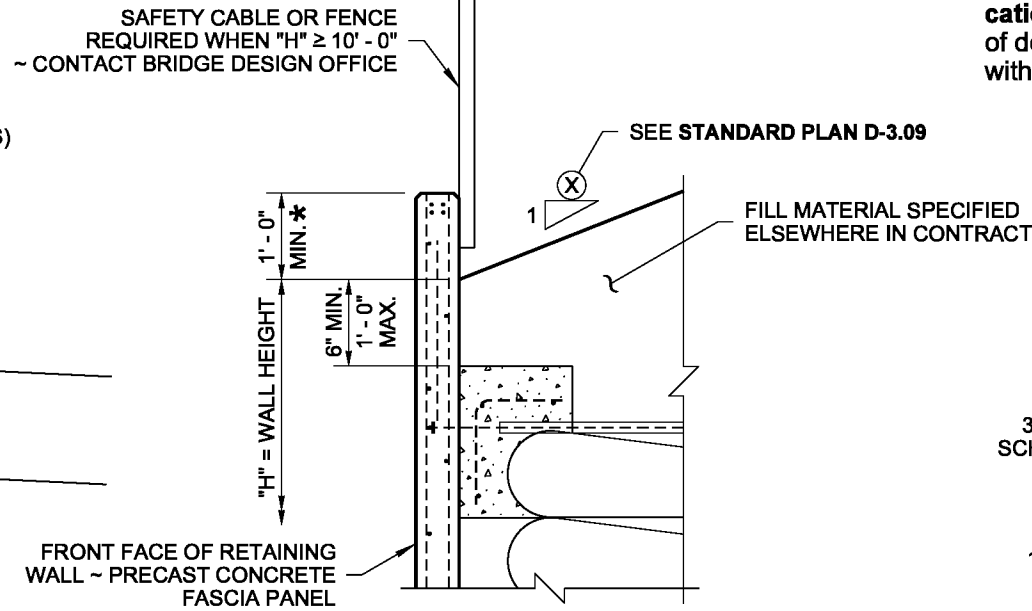
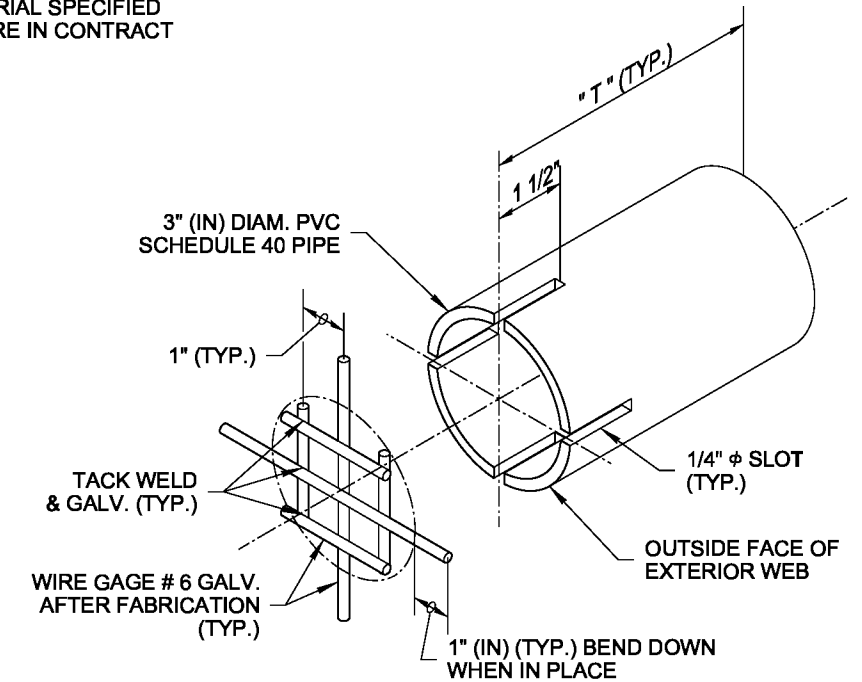


**TYPICAL SECTION  
PERMANENT GEOSYNTHETIC RETAINING WALL WITH  
PRECAST CONCRETE FASCIA PANEL AND TRAFFIC BARRIER**

\* MAY BE EXTENDED IN LIEU OF CABLE FENCE, 3' - 6" MAX.



**TYPICAL SECTION  
PERMANENT GEOSYNTHETIC WALL  
PRECAST CONCRETE FASCIA PANEL**



**WEEP HOLE ASSEMBLY**

**KEY NOTES**

- 1 7/8" (IN) DIAMETER THREADED ANCHOR ROD (STANDARD SPECIFICATION SECTION 9.06.5 (4)), GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH AASHTO M232. ANCHOR RODS SHALL BE THREADED A MINIMUM OF 1' - 0" AT ENDS. PLACE LEVEL AND NORMAL TO WALL. ENCASE ANCHOR RODS WITH PVC SLEEVE. EMBED PVC ENDS INTO GRADE BEAM AND EDGE BEAM.
- 2 BACKFILL VOID BEHIND WALL WITH SAND CONFORMING TO STANDARD SPECIFICATION SECTION 9-03.13(1) TO 6" (IN) ABOVE FINISHED GRADE ON FRONT FACE OF WALL.
- 3 LEVELING PAD, EDGE BEAM, AND GRADE BEAM ARE CAST-IN-PLACE CONCRETE PLACED AT 6H : 1V MAXIMUM SLOPE AND THE VERTICAL CONSTRUCTION JOINTS SHALL BE SPACED AT 120' MAXIMUM.
- 4 ONE 3" (IN) DIAMETER WEEP HOLE PER FASCIA PANEL. HORIZONTAL LOCATION AT THE CENTERLINE FASCIA PANEL.
- 5 ALL VERTICAL PANEL JOINTS SHALL BE SEALED FOR FULL CONTACT WITH AN APPROVED JOINT SEALANT. SEE "EXPANSION JOINT DETAIL", SHEET 2.
- 6 UNLESS OTHERWISE SHOWN, MINIMUM CONCRETE COVER FOR REINFORCEMENT IS 1 1/2". INCREASE COVER AS REQUIRED TO ACCOMMODATE ARCHITECTURAL FEATURES.
- 7 IF GRADE BEAM IS NEAR CENTERLINE OF ROADWAY, USE ONE GRADE BEAM AT CENTERLINE FOR FASCIA PANEL ON EITHER SIDE.
- 8 CONTACT BRIDGE OFFICE FOR ROADWAY CROSS SLOPES GREATER THAN 0.08'/FT.
- 9 COORDINATE WALL FINISH AND CONFIGURATION WITH STATE BRIDGE AND STRUCTURES ARCHITECT PER WSDOT DESIGN MANUAL 730.04(5).
- 10 SEE PRECAST FASCIA TABLE, SHEET 2 OF 2.

**NOTES**

1. Anchor Rods shall be ASTM F1554 GR. 55
2. All cast-in-place concrete shall be Class 4000.
3. Couplers shall conform to the same ASTM Standard Specification as that specified for the nut. Couplers shall be capable of developing 100% of the tensile strength of the anchor rod without evidence of any failure.



**PRECAST PERMANENT  
GEOSYNTHETIC WALL  
FASCIA  
STANDARD PLAN D-3.11-03**

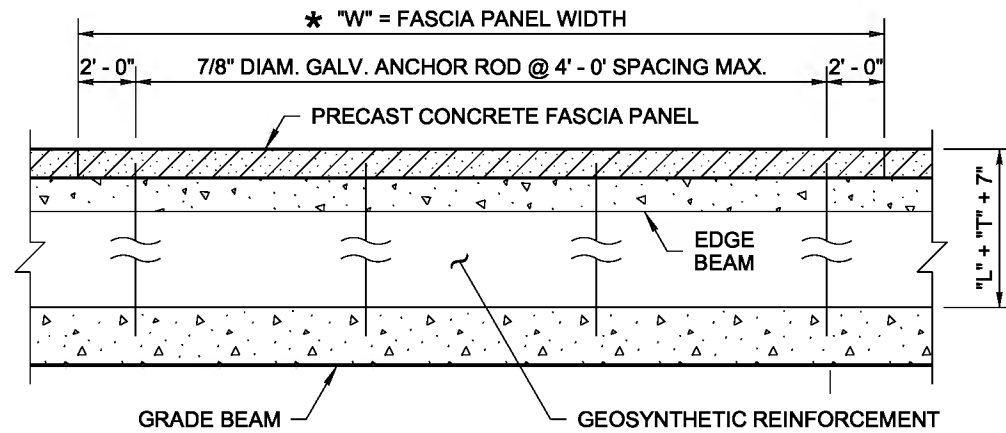
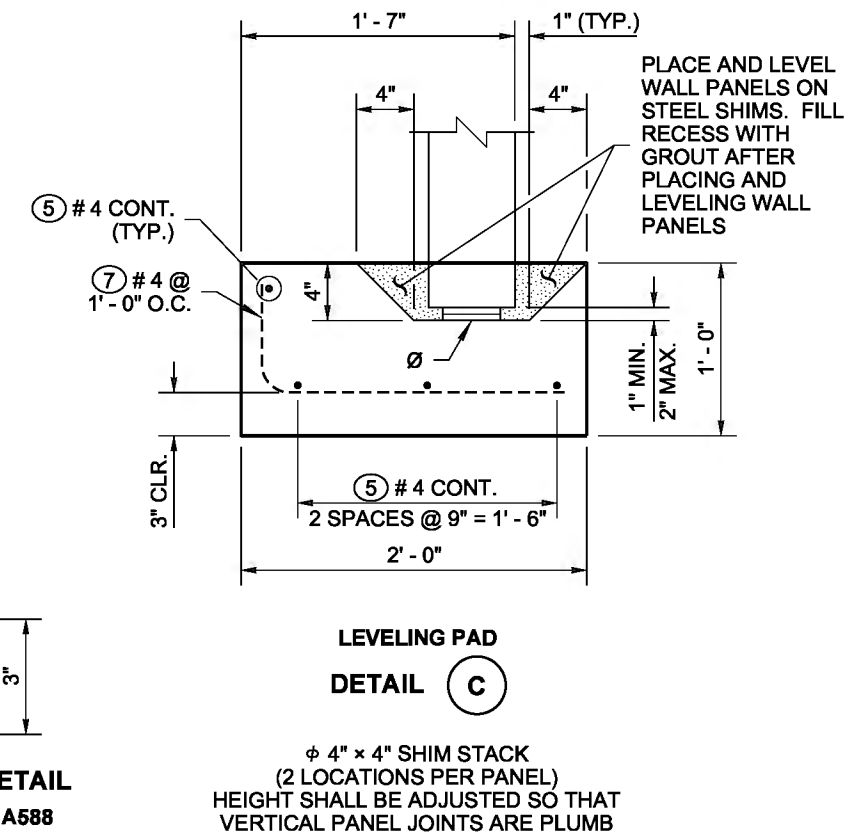
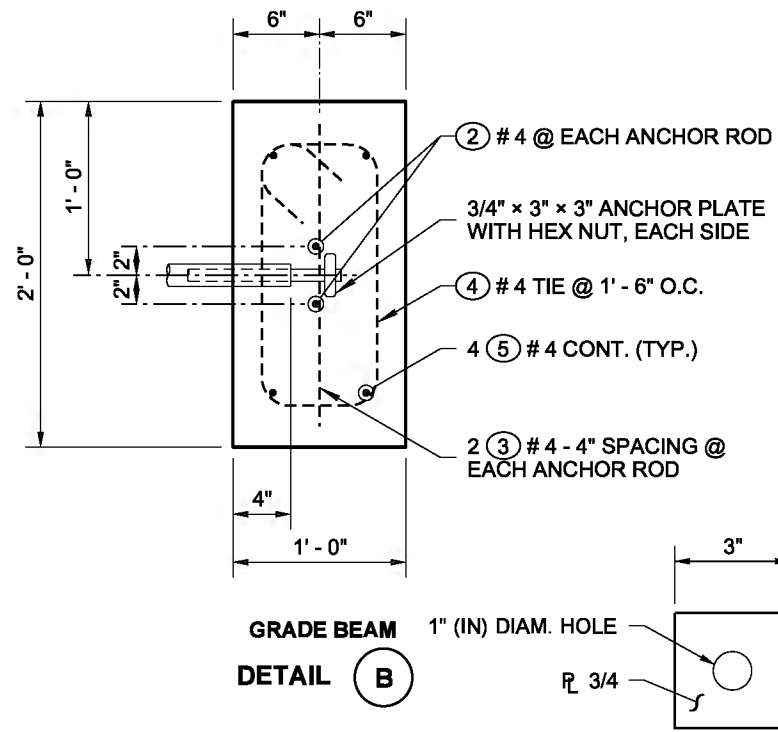
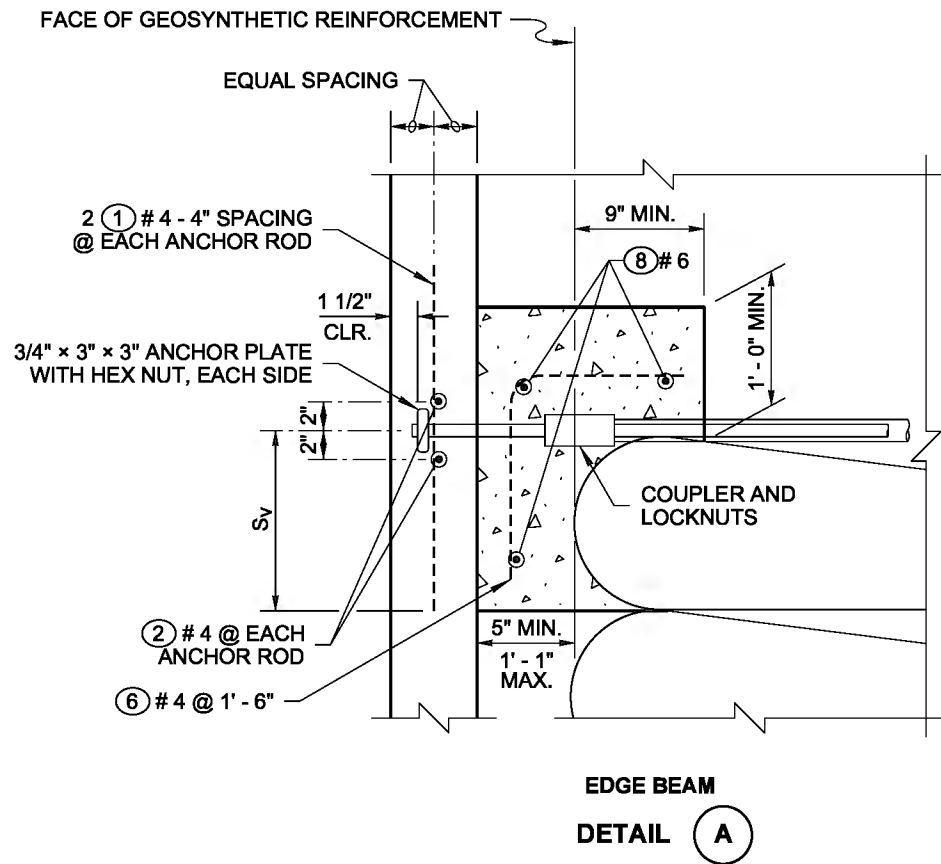
SHEET 1 OF 2 SHEETS

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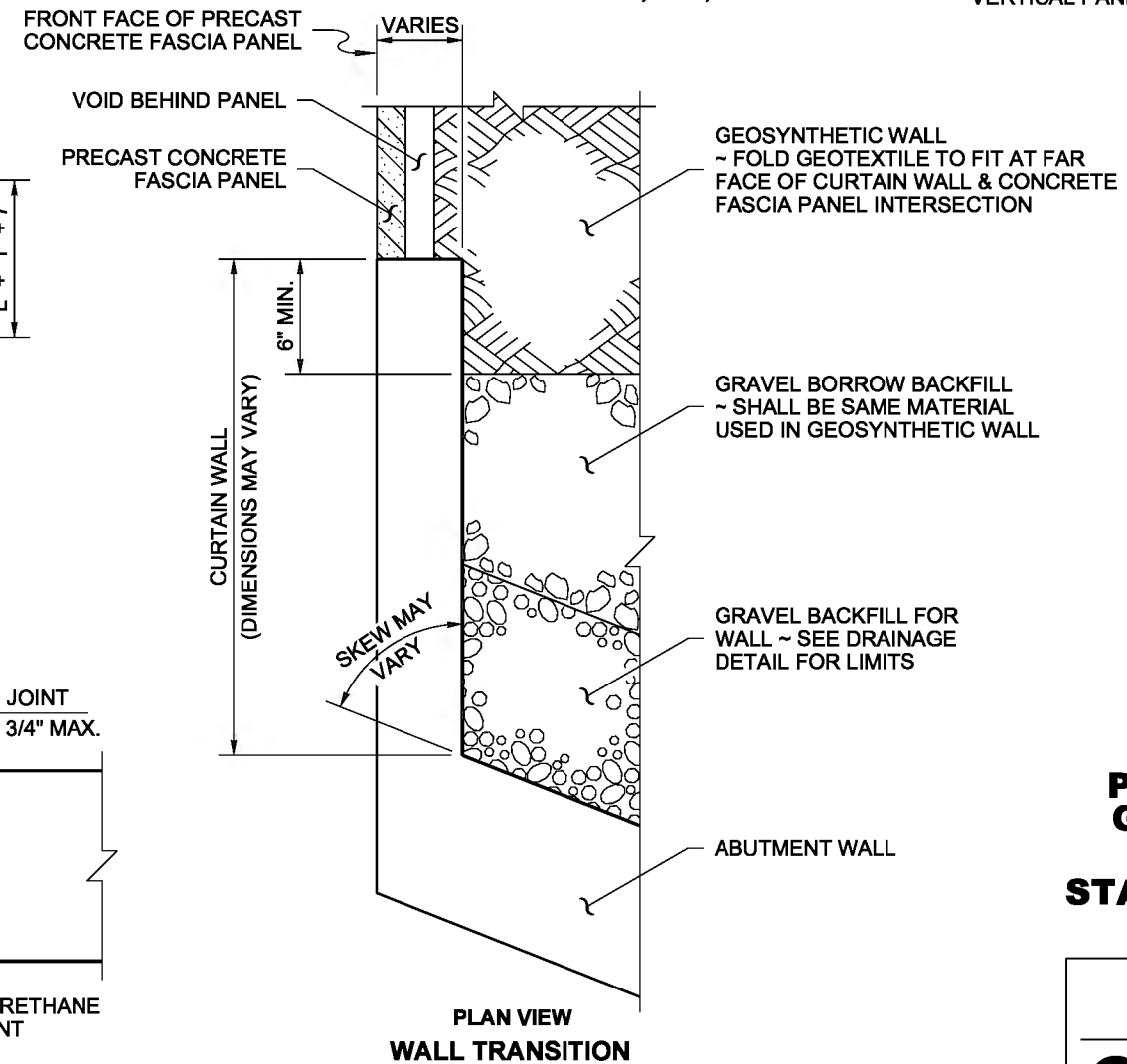
STATE DESIGN ENGINEER  
Washington State Department of Transportation

DRAWN BY: FERN LIDDELL

PRECAST FASCIA TABLE		
DESIGN HEIGHT "H" (ft.)	PANEL THICKNESS "T" (in.)	(F 10) BAR SPACING "S" (in.)
5	6.0	18.0
6	6.0	18.0
7	6.0	18.0
8	6.0	18.0
9	6.0	18.0
10	6.0	18.0
11	6.0	18.0
12	6.0	18.0
13	6.0	18.0
14	6.0	18.0
15	6.0	18.0
16	6.0	18.0
17	6.0	18.0
18	6.0	18.0
19	6.0	18.0
20	6.0	18.0
21	6.0	18.0
22	7.0	18.0
23	7.0	18.0
24	7.0	18.0
25	8.0	18.0
26	8.0	18.0
27	8.0	18.0
28	9.0	12.0
29	9.0	12.0
30	9.0	12.0
31	10.0	12.0
32	10.0	12.0
33	11.0	12.0
34	11.0	12.0
35	11.0	12.0

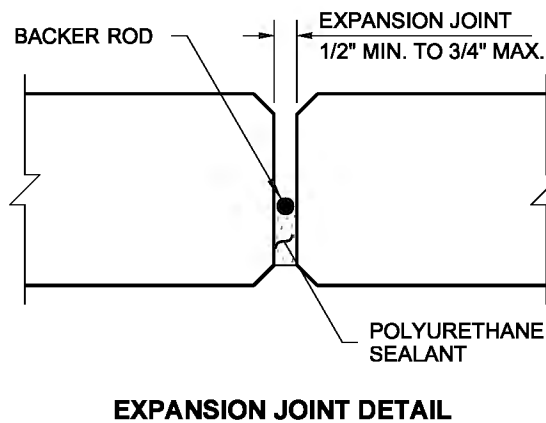


\* PANEL WIDTH "W" SHOWN IN ELEVATION OF RETAINING WALLS



FASCIA PANEL BENDING DIAGRAM			
MARK	SIZE	LENGTH	ALL REINFORCEMENT SHALL BE ASTM A706.
①	4	2' - 0"	STR. (A) DETERMINE FROM PLANS
②	4	4' - 0"	STR.
③	4	1' - 9"	STR.
④	4	4' - 11"	STR.
⑤	4	(A)	STR.
⑥	4	2' - 1 3/4"	STR.
⑦	4		STR.
⑧	6	(A)	STR.
⑨	5	(A)	STR.
⑩	4	(A)	STR.
⑪	4	(A)	STR.

ALL DIMENSIONS ARE OUT TO OUT



**PRECAST PERMANENT GEOSYNTHETIC WALL FASCIA**  
**STANDARD PLAN D-3.11-03**

SHEET 2 OF 2 SHEETS

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