

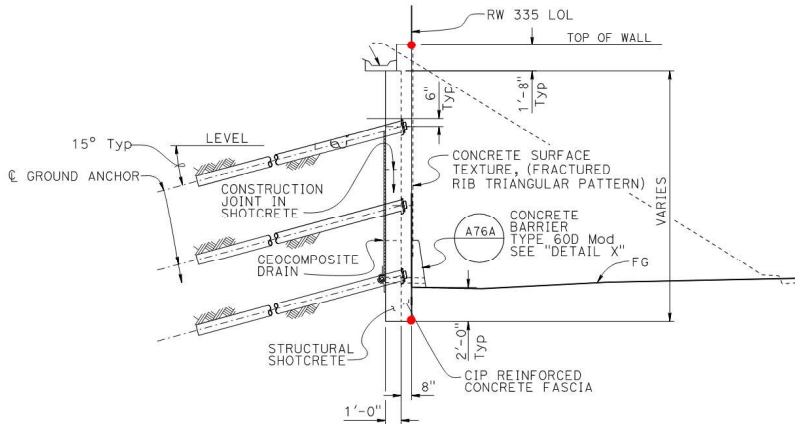
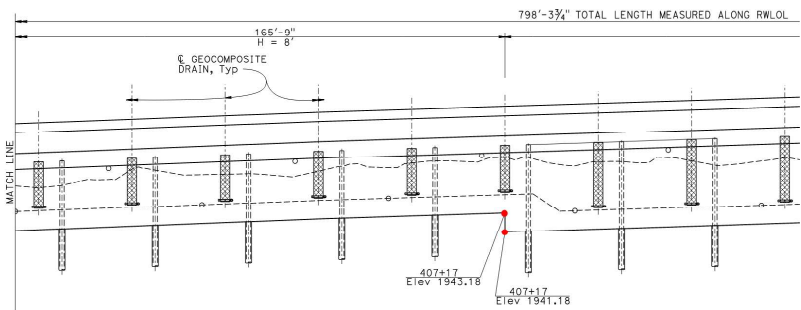
Bridge Design Models – Layout Points

Anchored Walls

Note: Bridge Design will provide the following files:

File	Format
Retaining Wall Layout Line and Top of Wall Profile	LandXML

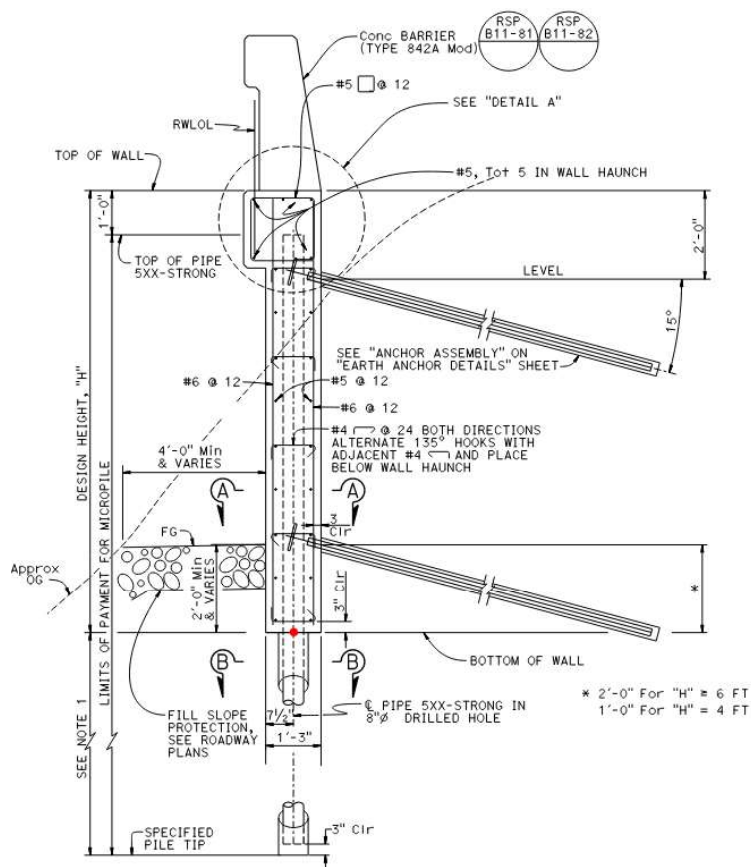
In addition, the following layout points will be provided

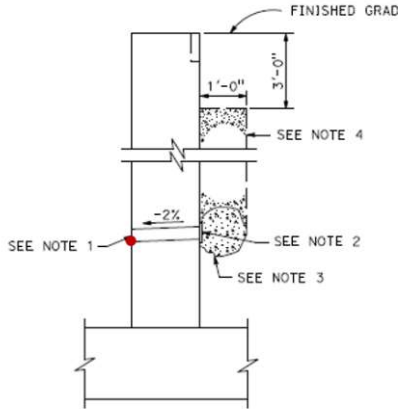
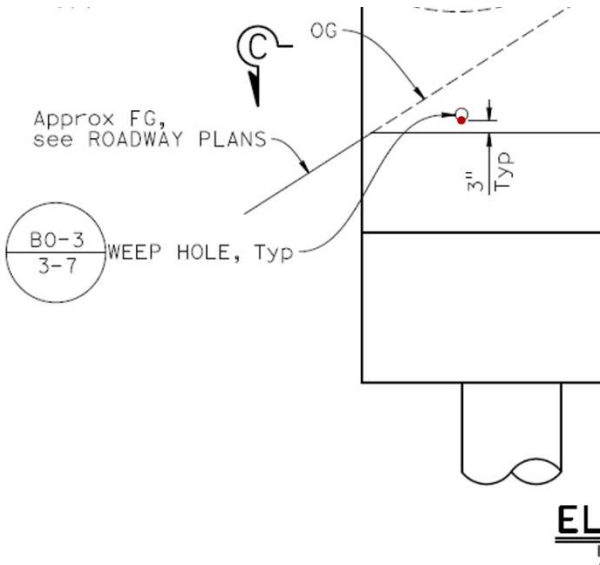
Layout Points	Description of Layout Points
	Points at the top and bottom of wall (along Layout Line) at 5 ft increments. - Include points at the beginning of wall and end of the wall. -Include intermediate points in critical locations where the profile slope changes
	Points located at steps in the wall height, at the high and low elevations.

CALTRANS BRIDGE DESIGN TEMPLATE REQUIREMENTS PACKAGE

Layout Points	Description of Layout Points
	Points located at the intersection of the centerline of the anchor and at the face of the Structural Shotcrete (shoring layer)

CALTRANS BRIDGE DESIGN TEMPLATE REQUIREMENTS PACKAGE

Layout Points	Description of Layout Points
 The diagram illustrates the cross-section of a bridge pier and its connection to a wall. Key components and labels include: Conc BARRIER (TYPE 842A Mod): Located at the top of the wall. RSP B11-81 and RSP B11-82: Reinforcing steel specifications for the barrier. #5 @ 12: Reinforcing steel bars spaced at 12 inches. SEE "DETAIL A": Reference to a detail view of the reinforcement connection. #5, Tot 5 IN WALL HAUNCH: Reinforcing steel bars in the wall haunch. TOP OF WALL: The upper edge of the wall. TOP OF PIPE 5XX-STRONG: The top of the pile cap. LEVEL: A horizontal reference line. 15°: An angle dimension for the reinforcement layout. SEE "ANCHOR ASSEMBLY" ON "EARTH ANCHOR DETAILS" SHEET: Reference to another detail sheet. #6 @ 12: Reinforcing steel bars spaced at 12 inches. #4 @ 24 BOTH DIRECTIONS: Reinforcing steel bars spaced at 24 inches in both directions. ALTERNATE 135° HOOKS WITH ADJACENT #4 AND PLACE BELOW WALL HAUNCH: Instruction for bar placement. 4'-0" Min & VARIES: A vertical dimension for the pile cap height. FG: Finish grade. 2'-0" Min & VARIES: A vertical dimension for the pile cap height. 3" CTR: Center-to-center spacing of 3 inches. BOTTOM OF WALL: The base of the wall. 7/8" PIPE 5XX-STRONG IN 8" DRILLED HOLE: Specification for the pile. 1'-3": A vertical dimension for the pile cap height. 3" CTR: Center-to-center spacing of 3 inches. SPECIFIED PILE TIP: The bottom of the pile. DESIGN HEIGHT, "H": The total height of the pier. LIMITS OF PAYMENT FOR MICROPILE: A vertical dimension for the pile cap height. Approx OG: Approximate original ground line. FILL SLOPE PROTECTION, SEE ROADWAY PLANS: Instruction for slope protection. * 2'-0" For "H" = 6 FT and 1'-0" For "H" = 4 FT: Dimensions for the pile cap height based on the design height.	Point located at the Centerline of each pile at the cutoff elevation.

Layout Points	Description of Layout Points
 SECTION E DETAIL 3-1 WEEP HOLE, PERVIOUS BACKFILL locate sag points and 25'-0" maximum center adjacent to sidewalks or curbs, provide 4" plastic to discharge thru curb face. Exposed wall drains over finished grade. galvanized steel wire 1/4" mesh hardware cloth, 0.025". Anchor firmly to backface. backfill material in a nonwoven filter fabric, 	Point located at weep hole bottom of pipe elevation. Point is located at the outside face of wall. Note that weep hole location is approximate based on Standard Plan B0-3 or as shown in the design plans.