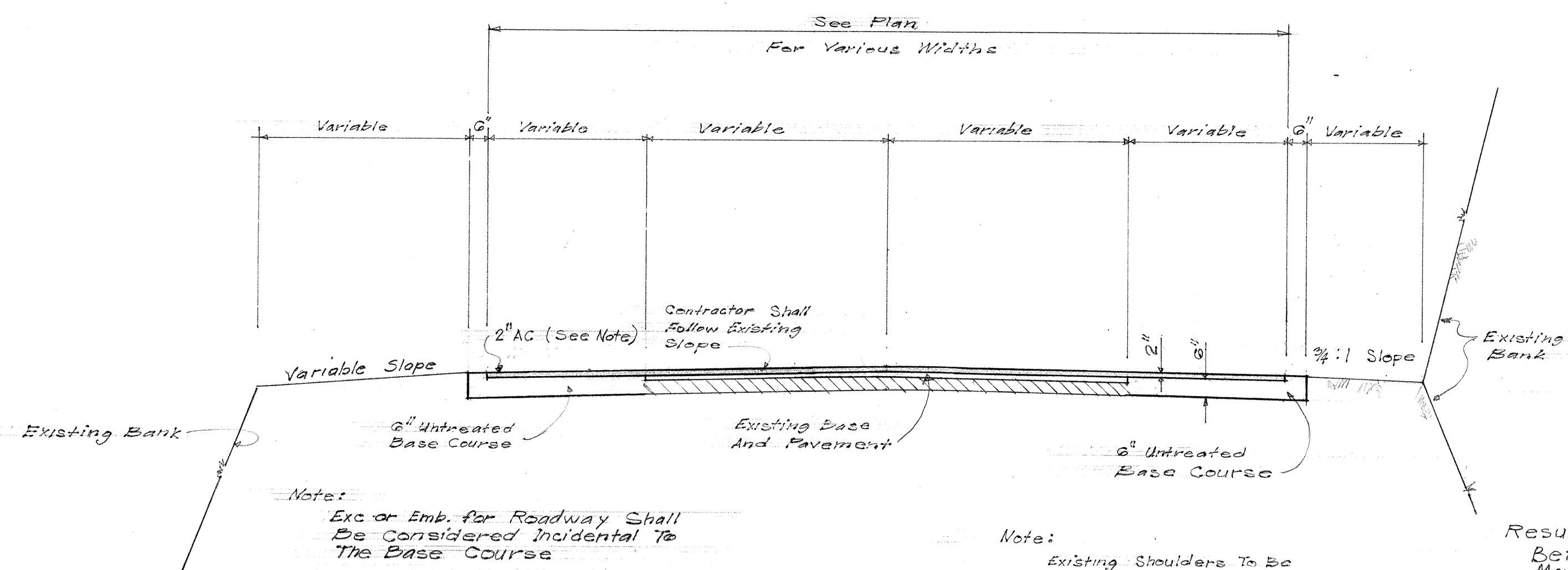
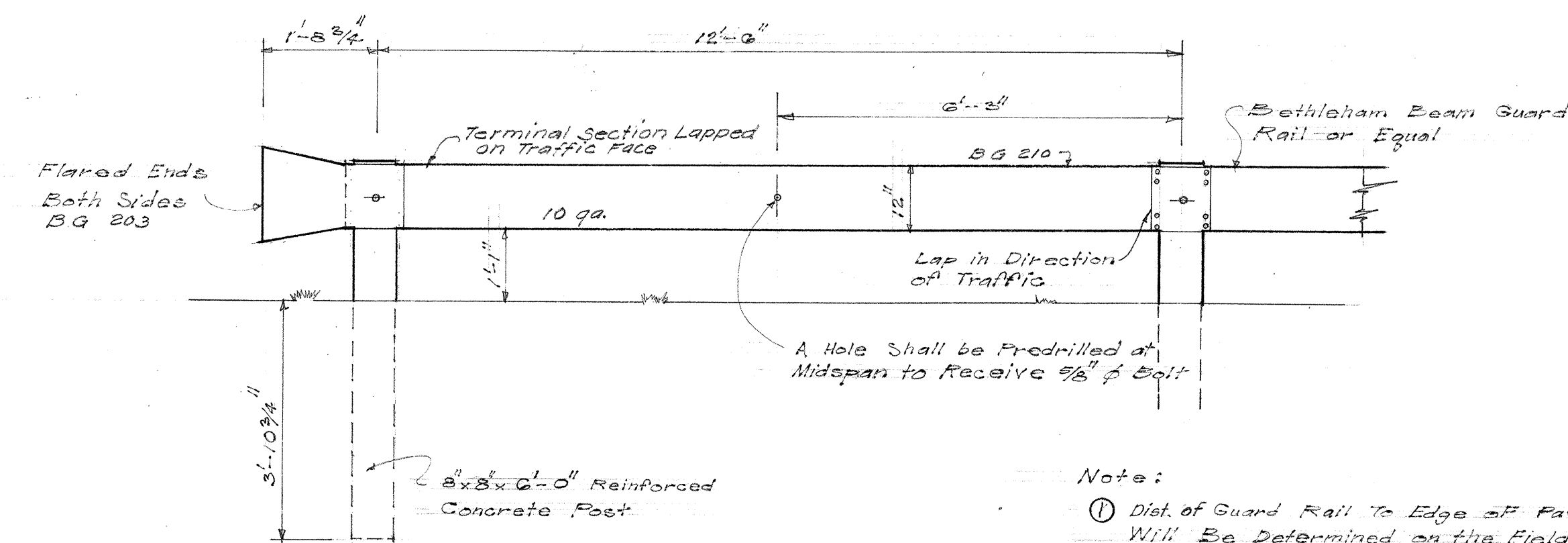




TYPICAL ROAD SECTION
Scale: None



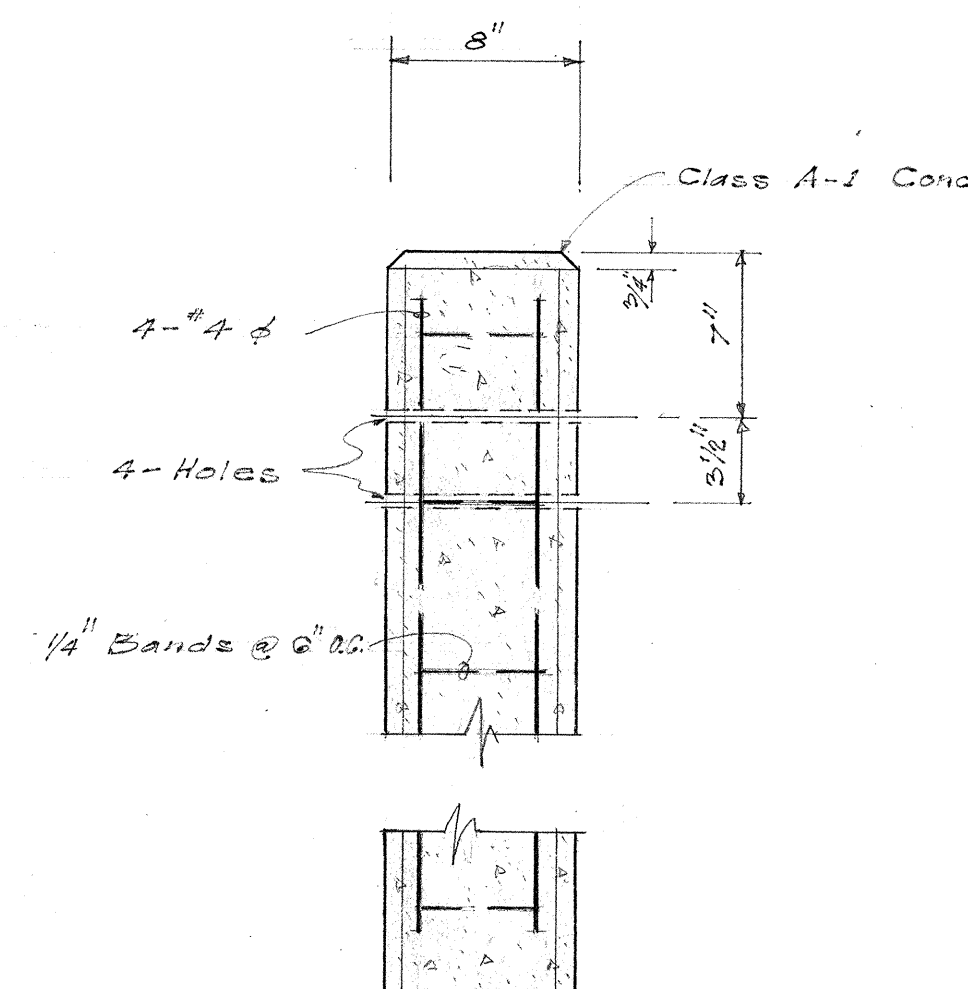
STEEL BEAM GUARD RAIL
Scale: 1/2" = 1'-0"

- Note:
- ① Dist. of Guard Rail to Edge of Pavement Will Be Determined on the Field By the Engineer.
 - ② Beam Guard Rail Shall Conform To AASHTO Designation M 180-60
 - ③ All Connections or Splices Shall Be Formed With Flat Round-Headed Bolts To Minimize Projections on the Road Side of the Guard. Galv. on the Bolts and Nuts Shall Meet the Requirements of AASHTO Spec. M 11.
 - ④ Payment for Metal Guardrails Shall Be the Actual Number of Linear Feet, Measured From Center to Center of End Posts, Which Unit Price Shall Include Flared Ends on Both Sides
 - ⑤ Metal Guard Rails Shall Be Flared out As Directed by the Engineer

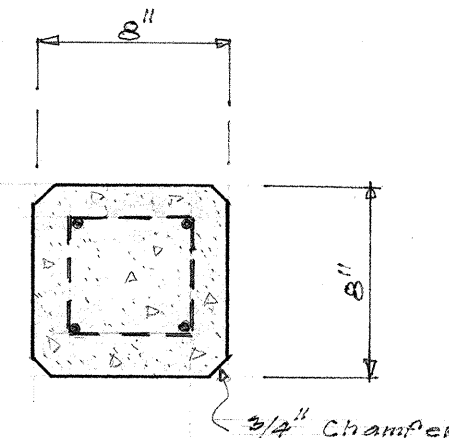
Note:
Dist. Between Guide Post For Culverts Shall Be Determined on the Field By The Engineer

Note:
All Concrete Post Shall Be Precast And Shall Be Painted With 2 Coats of White Paint

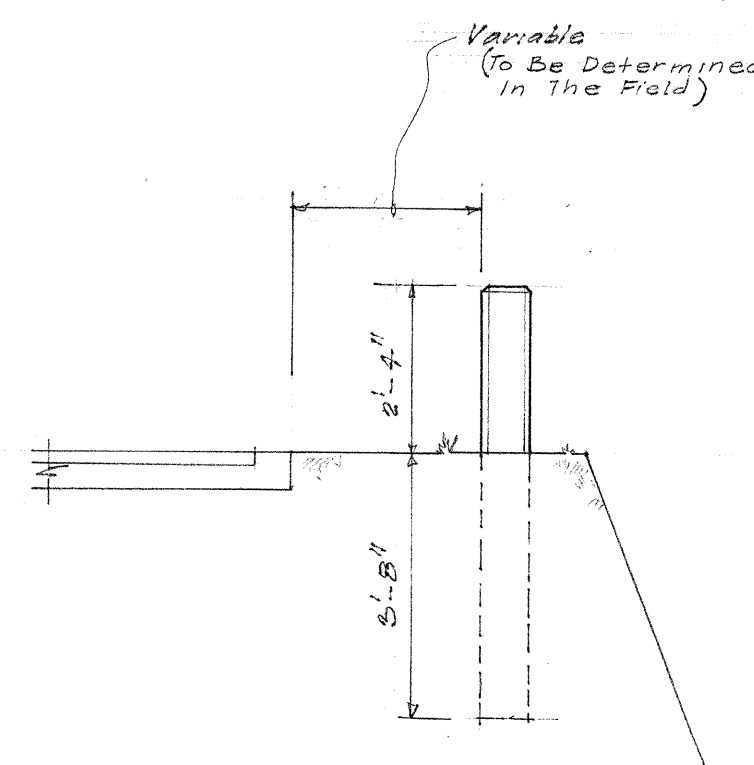
Note:
REFLECTOR MARKERS RM-3 SHALL BE 3M SIGNAL DELINEATORS 364 ASD OR EQUAL WITH 4" X 5" REFLECTOR UNITS.



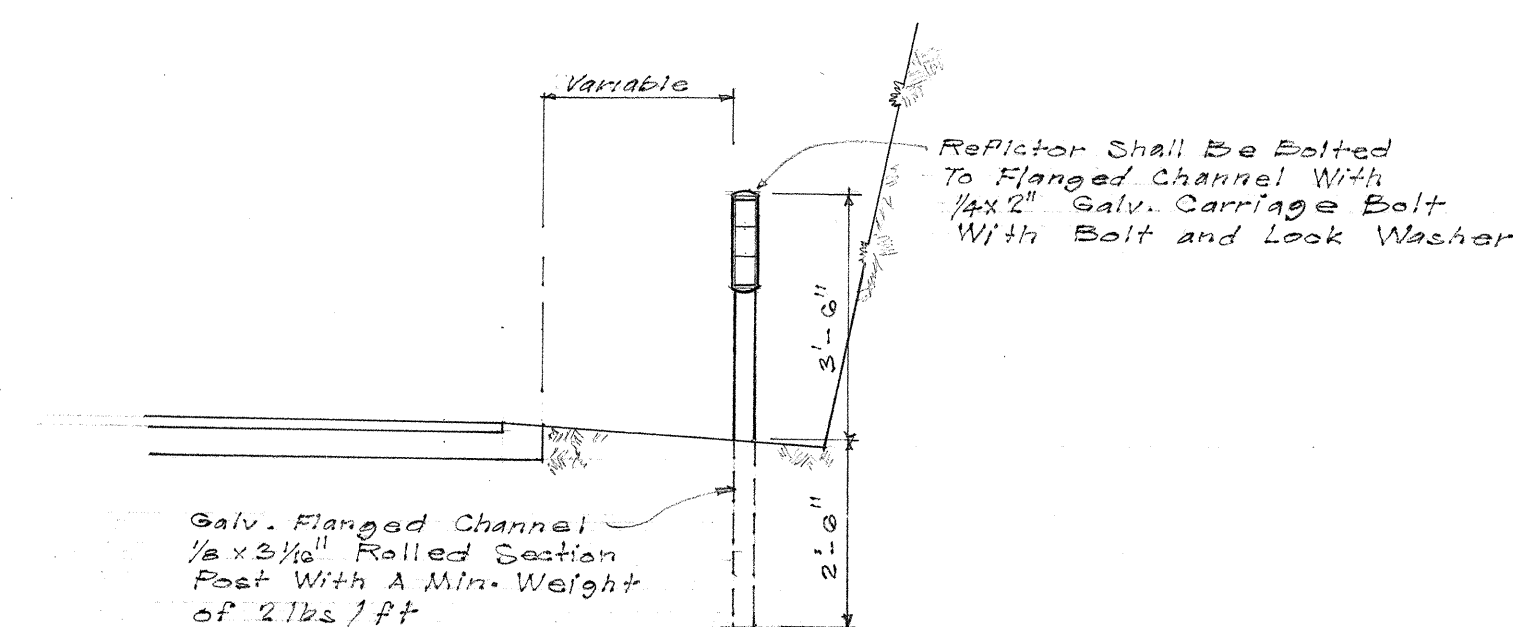
CONC. POST SECT.
Scale: 1 1/2" = 1'-0"



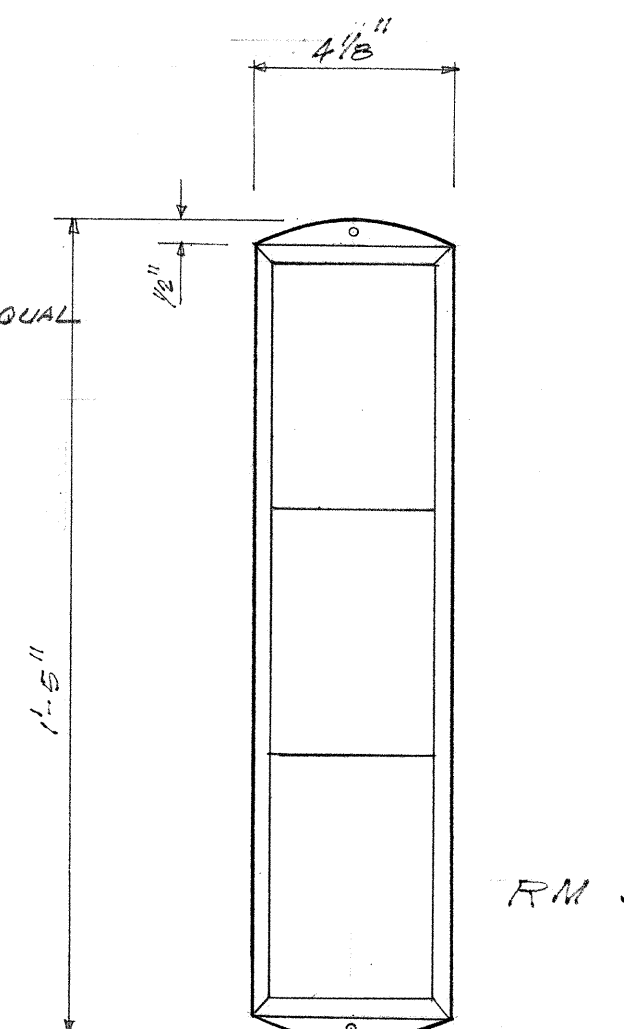
CONC. POST PLAN
Scale: 1 1/2" = 1'-0"



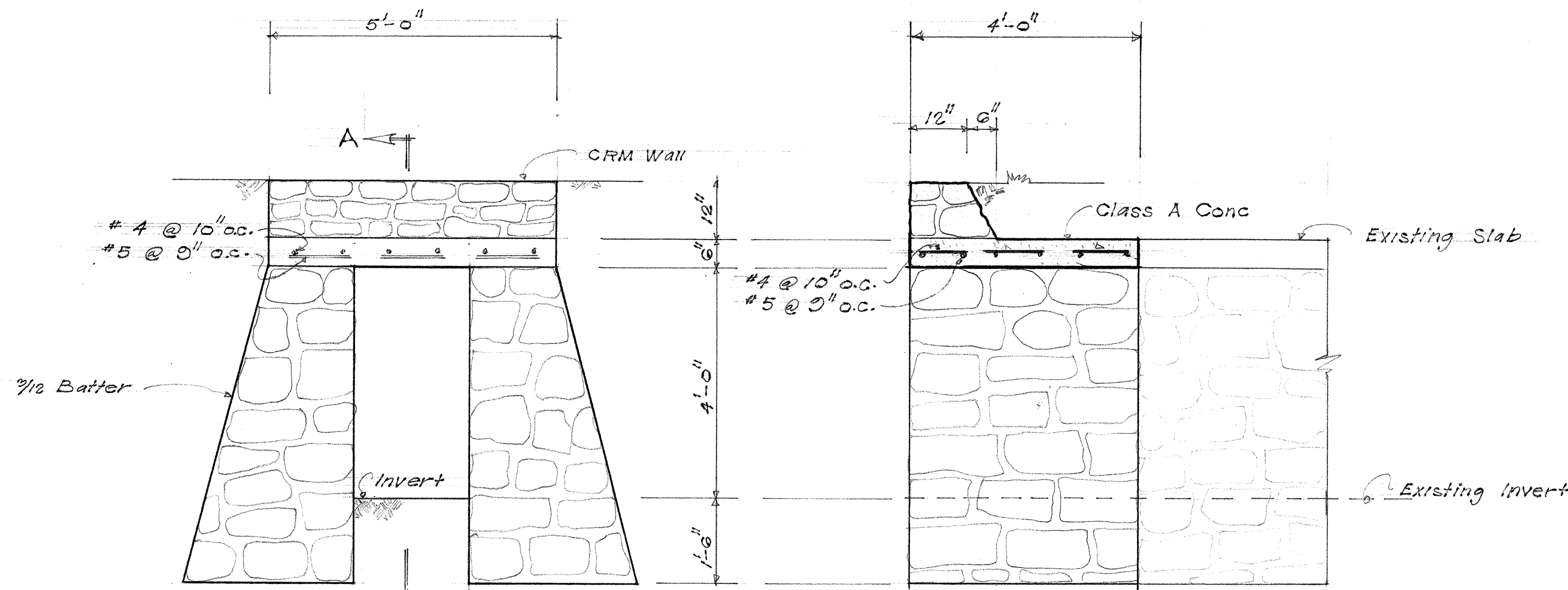
CONC. POST ELEVATION
Scale: 1 1/2" = 1'-0"



DELINEATOR SECTION
Scale: None

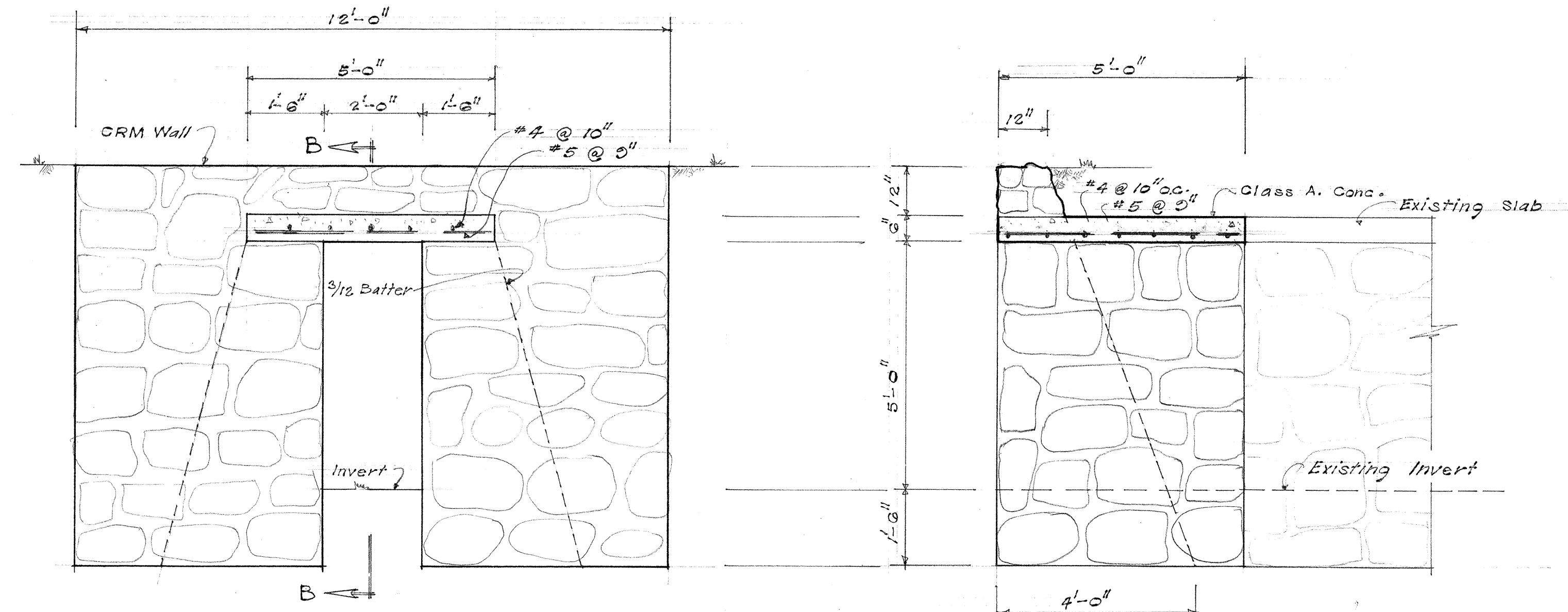


REFLECTOR MARKERS
Scale: 3" = 1'-0"



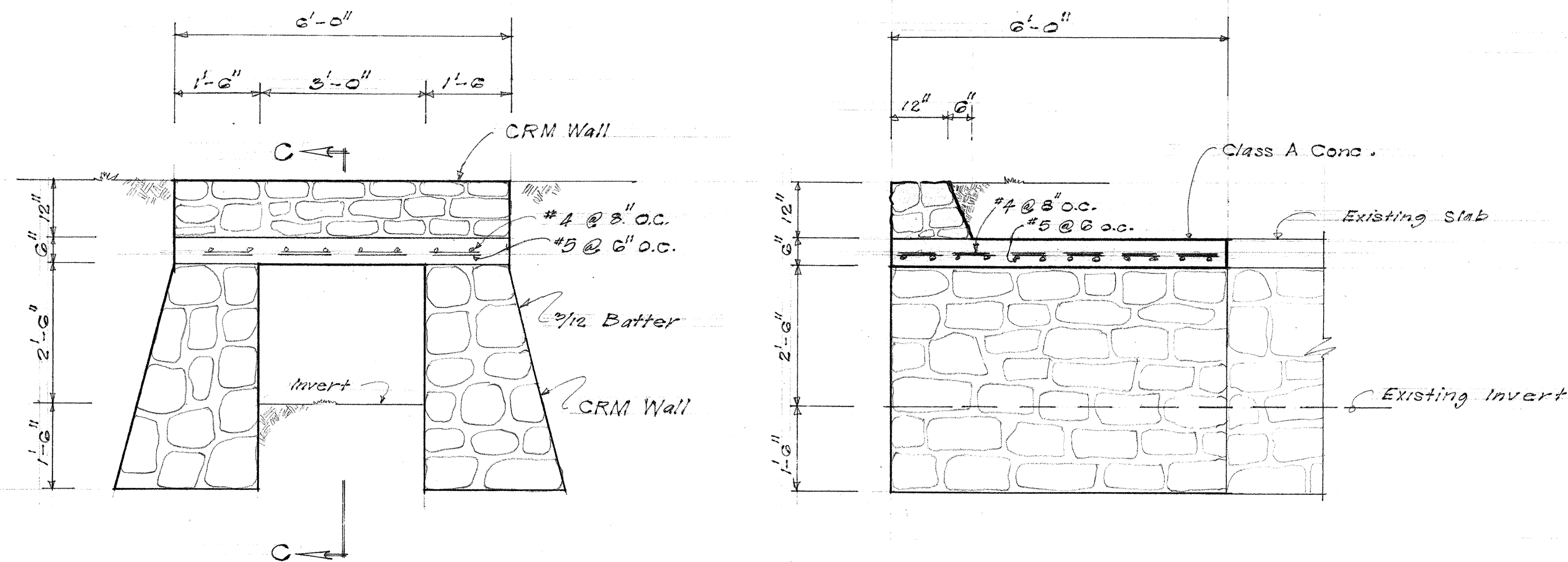
ELEV, BOX CULVERT EXTENSION @ STA. 245+70
Scale: 1/2" = 1'-0"

SECT. A-A @ STA. 245+70
Scale: 1/2" = 1'-0"



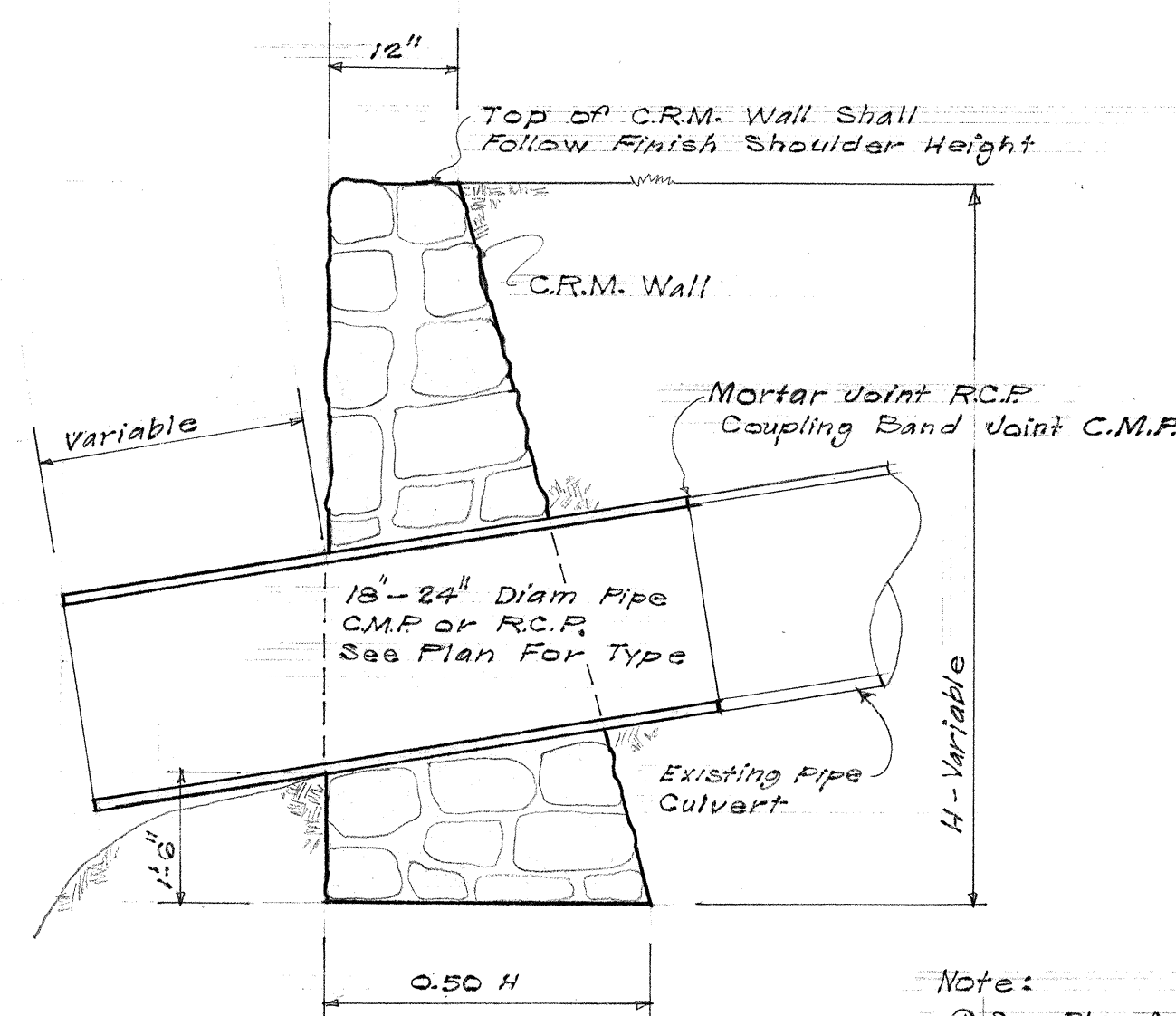
ELEV, BOX CULVERT EXTENSION @ STA. 248+24
Scale: 1/2" = 1'-0"

SECT. B-B @ STA. 248+24
Scale: 1/2" = 1'-0"

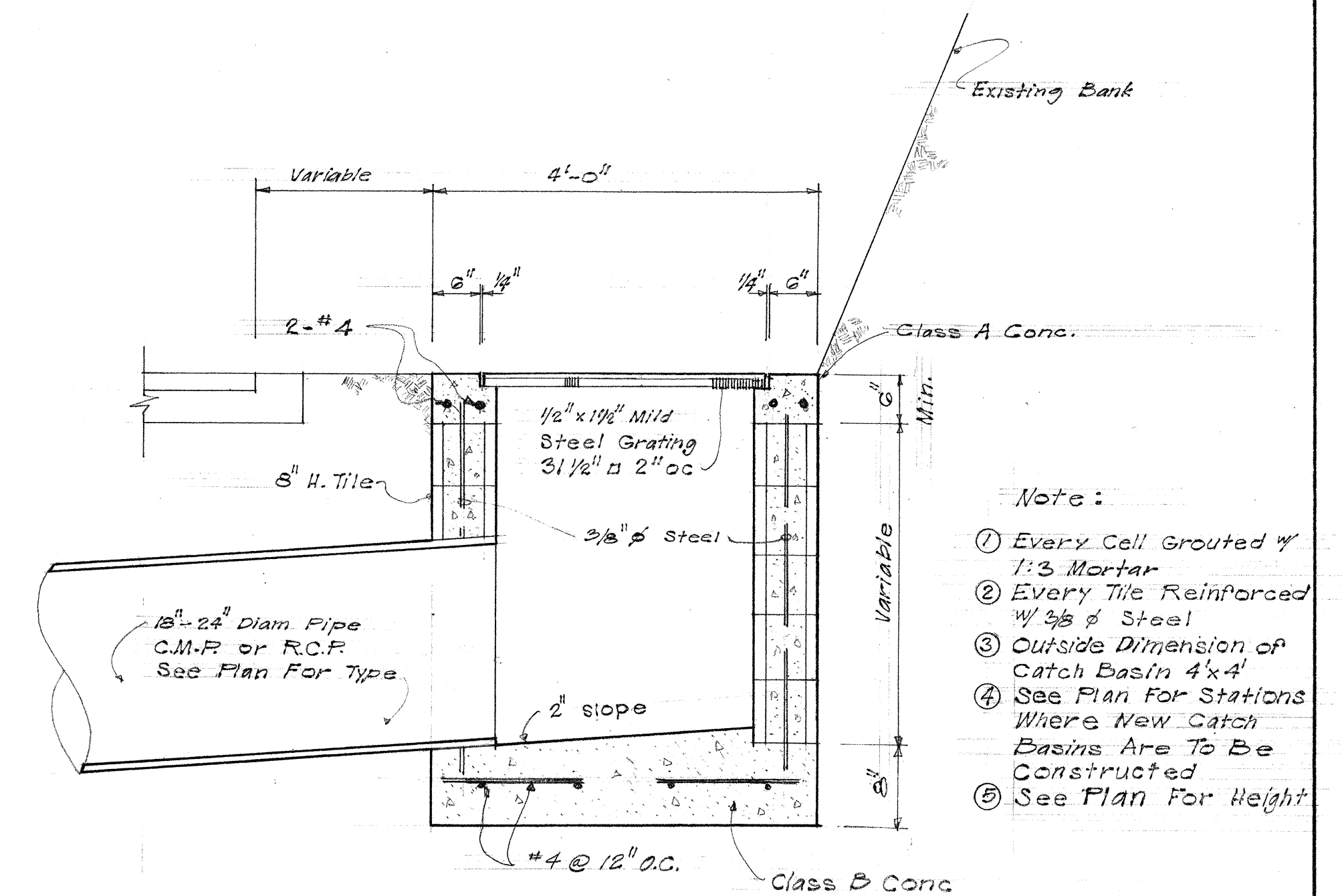


ELEV, BOX CULVERT EXTENSION @ STA. 227+76
Scale: 1/2" = 1'-0"

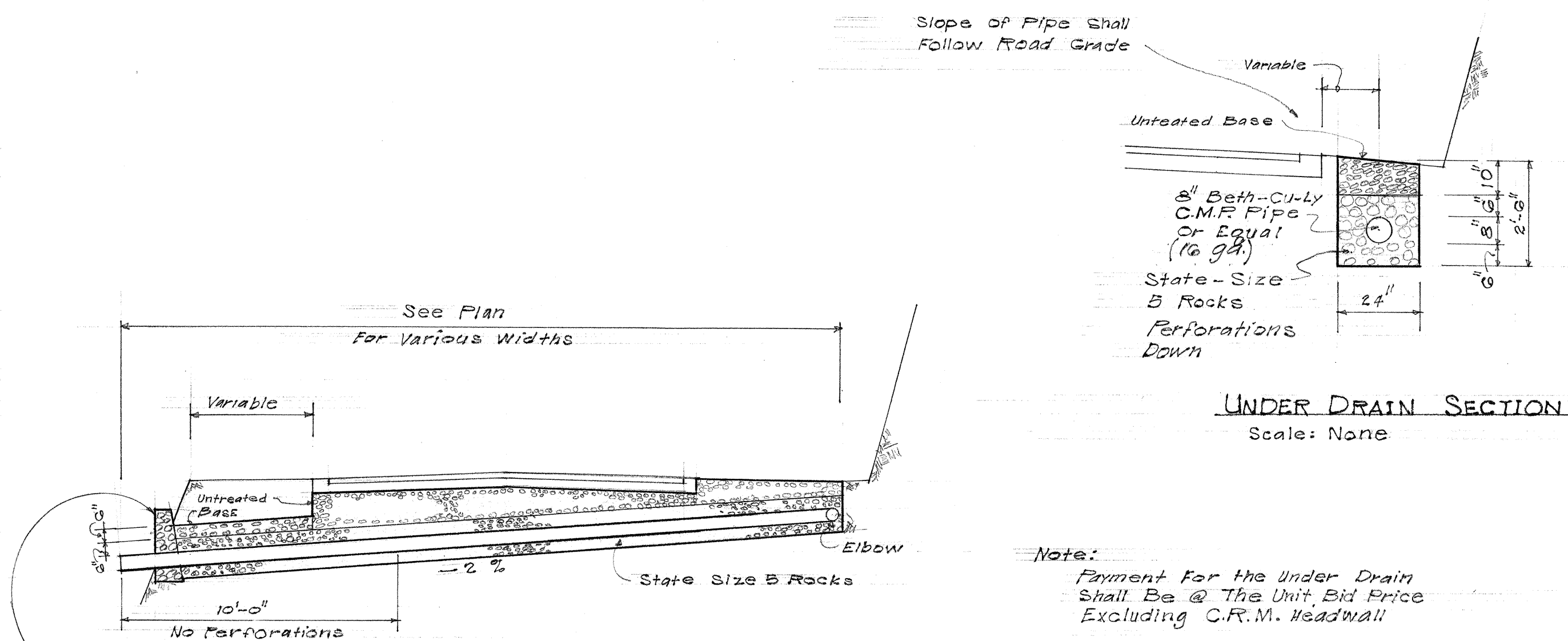
SECT. C-C @ STA. 227+76
Scale: 1/2" = 1'-0"



PIPE EXTENSION & HEADWALL SECT.
Scale: None



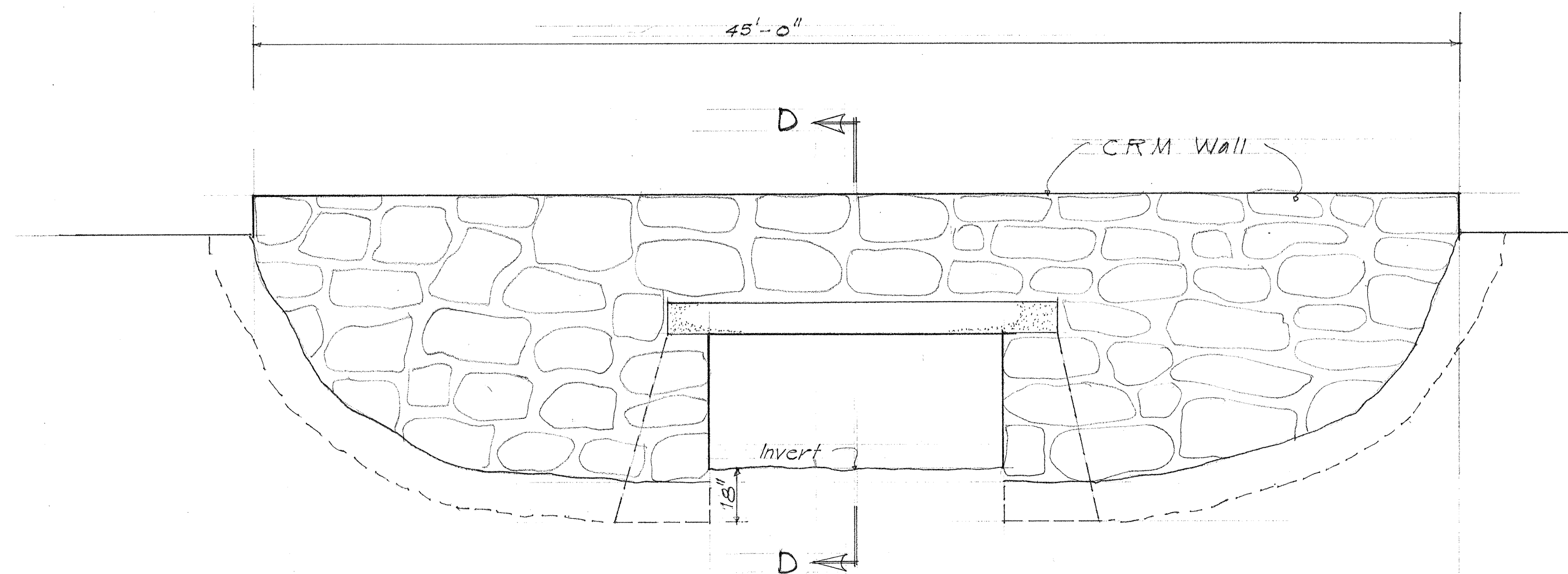
TYPICAL CATCH BASIN SECTION 32" x 32" Inside Diam
Scale: 3/4" = 1'-0"



UNDER DRAIN SECTION
Scale: None

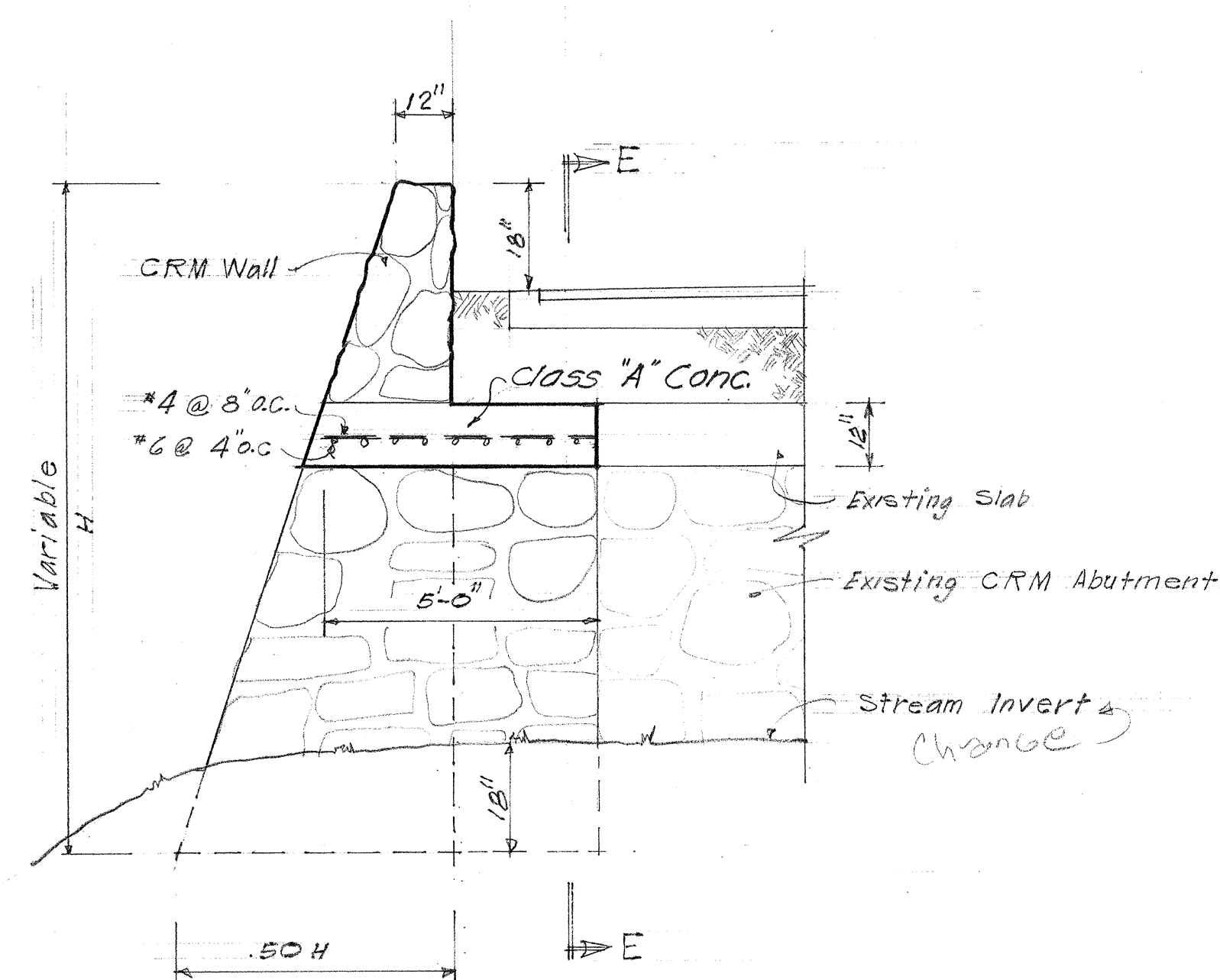
UNDER DRAIN OUTLET SECTION
Scale: None

- Note:
- See Plan for length of Pipe.
 - Rocks Shall Be Laid in 1:3 Mortar
 - Exc for C.R.M. Wall Shall Be Considered Incidental To C.R.M. Wall.
 - Exc for Pipe Shall Be Considered Incidental To Pipe in Place
 - Any Fill Necessary to complete the Headwall and shoulders, shall be considered incidental to C.R.M. Wall.
 - Extension of Pipe Culverts shall follow same grade as existing pipe culverts.
 - New Pipe Culverts shall be set on 2% grade
 - Concrete Pipe shall be cl. III R.C.P. 7 ft Mortar Joint
 - 24" C.M.P. shall be 14 ga. with Coupling Band Joints
 - 24" C.M.P. shall be 16 ga.



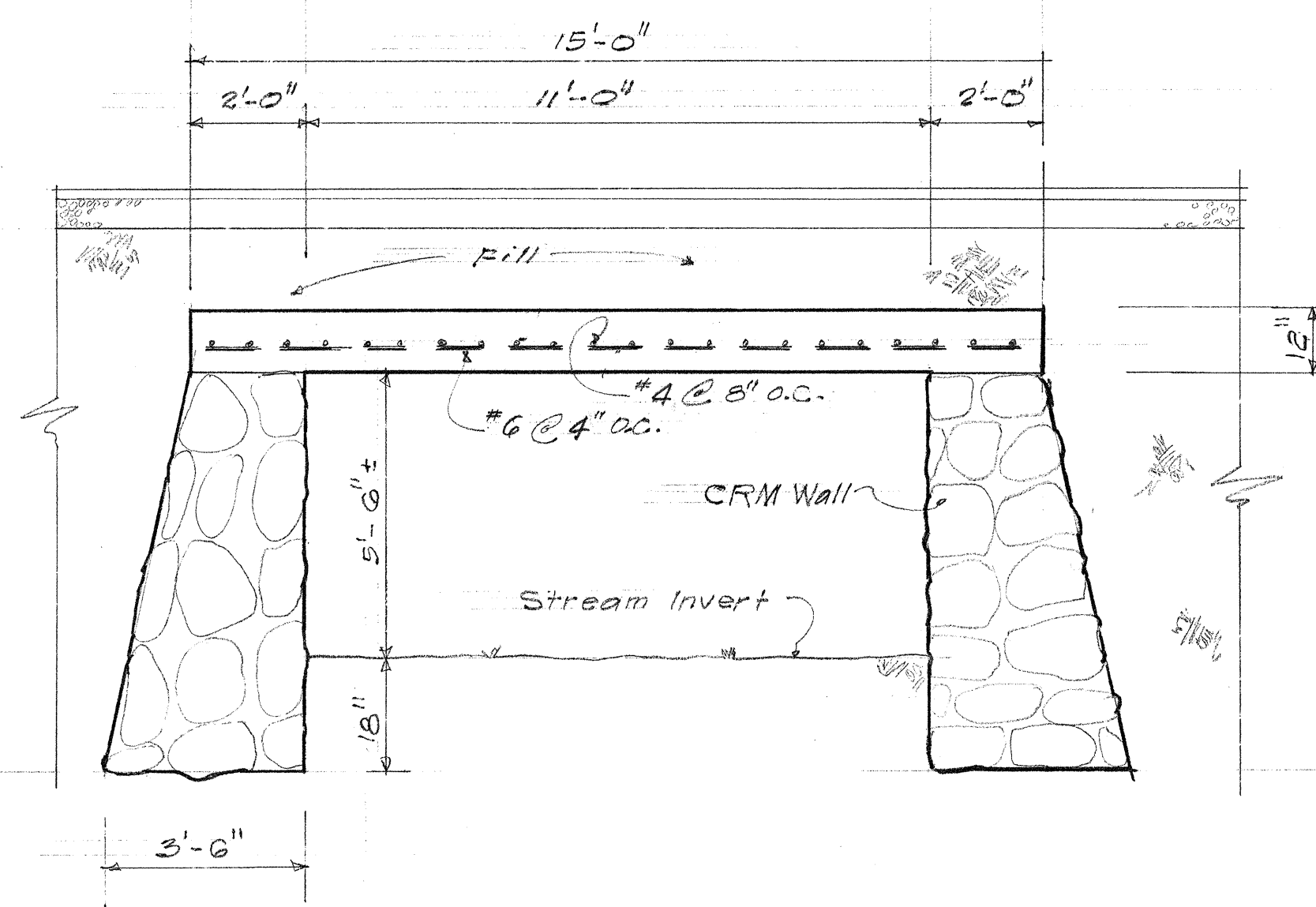
ELEV. BOX CULVERT EXTENSION @ STA. 114+48

Scale: $\frac{1}{4}'' = 1'-0''$



SECT. D-D @ STA. 114+48

Scale: $\frac{3}{8}'' = 1'-0''$



SECT. E-E @ STA. 114+48

Scale: $\frac{3}{8}'' = 1'-0''$

NOTE:

BOX CULVERT EXTENSION @ 114+48

C.R.M. HEADWALL SHALL BE PAID FOR AT THE UNIT PRICE BID FOR NEW C.R.M. WALL.

C.R.M. ABUTMENTS SHALL BE CONSIDERED INCIDENTAL & INCLUDED IN THE LUMP SUM BID FOR THIS ITEM.