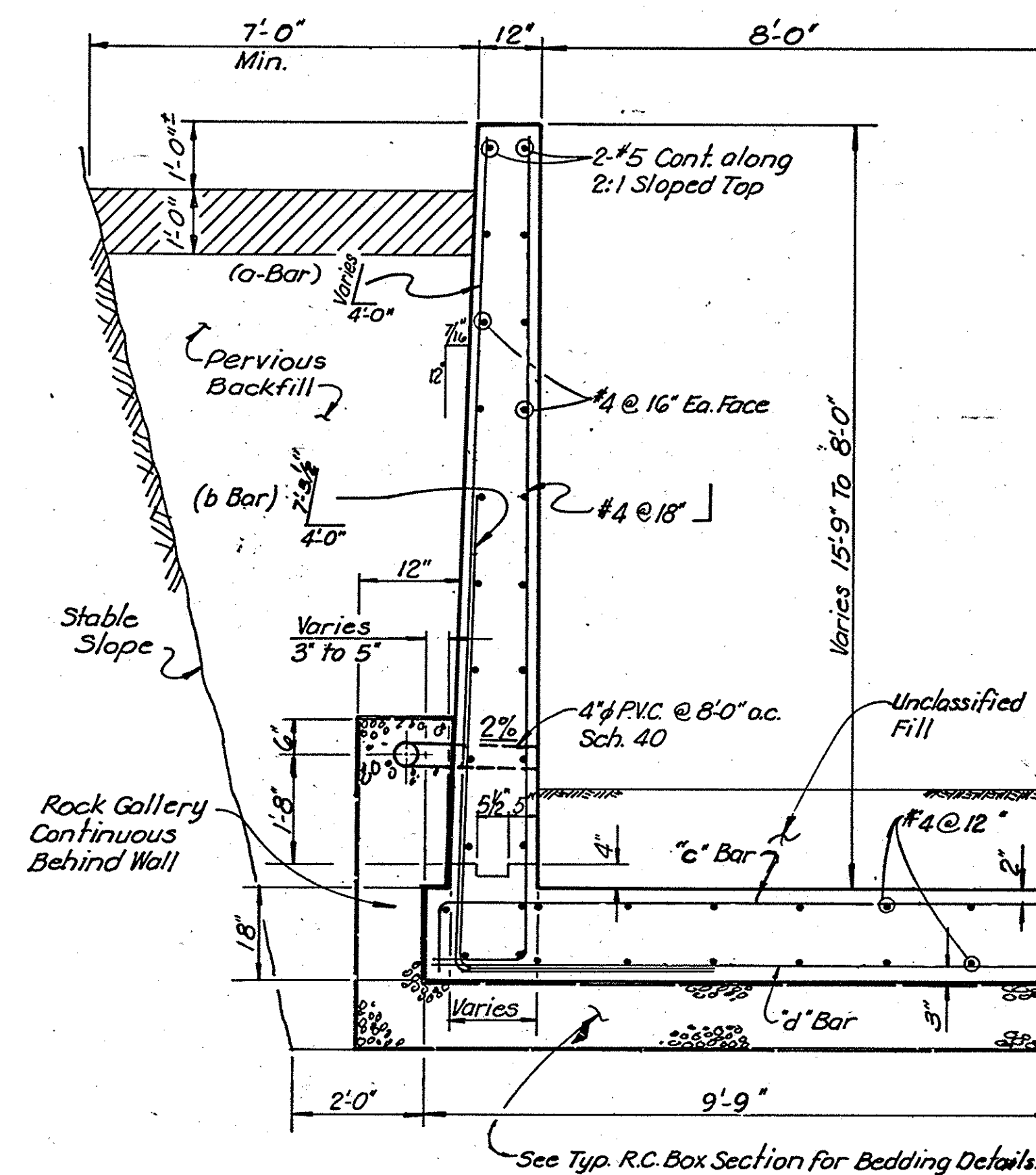
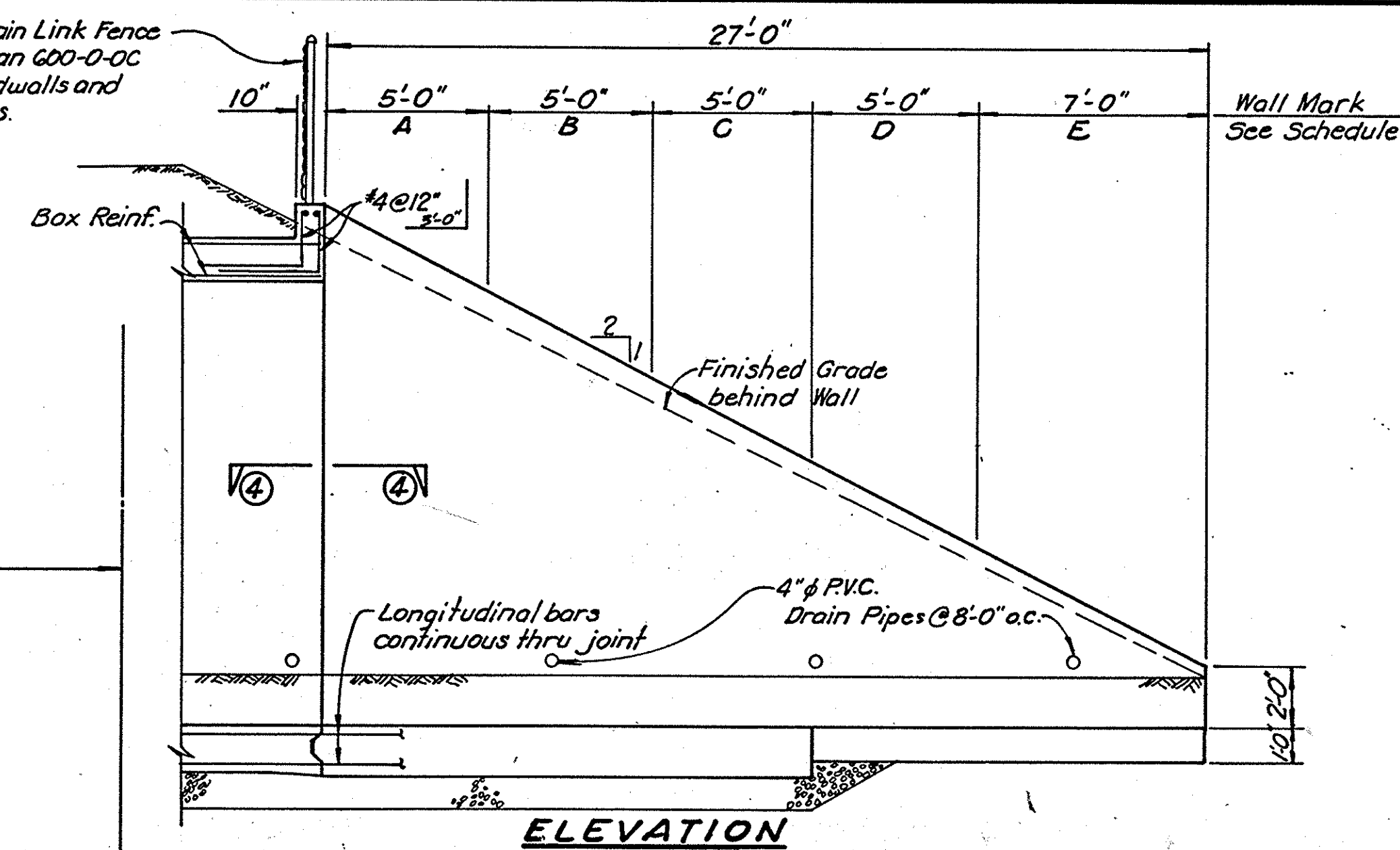


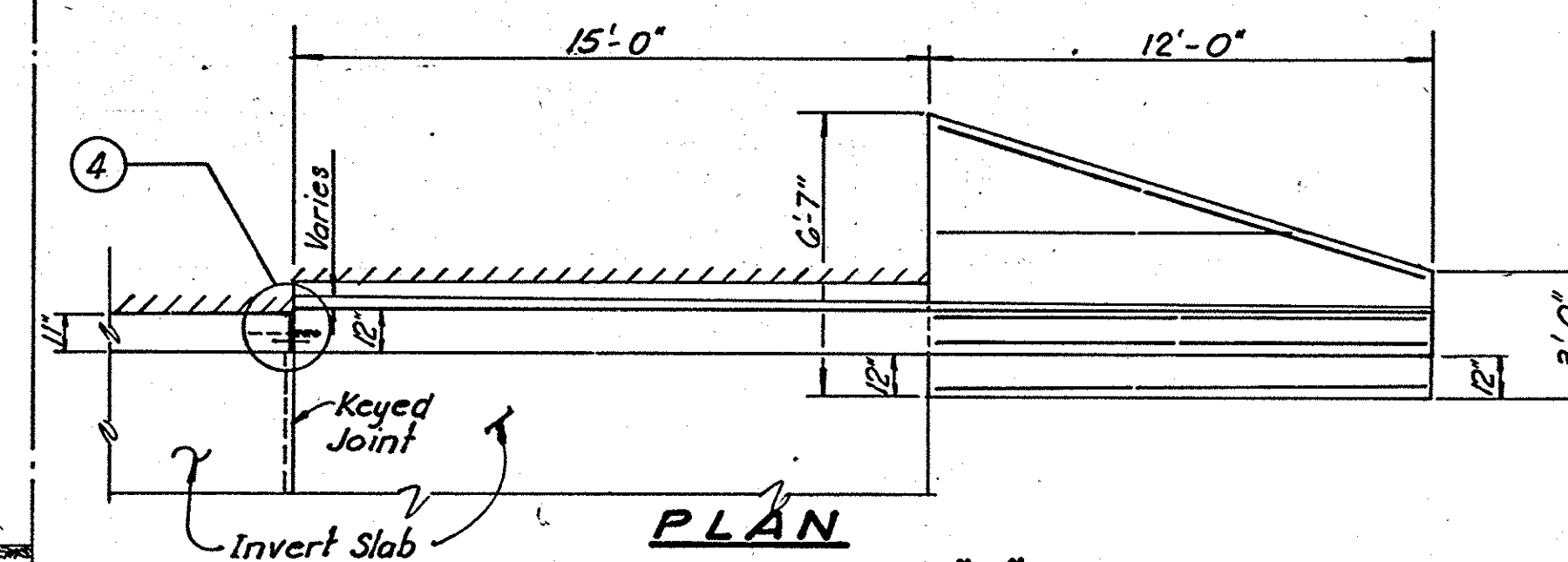


Boff. Slab - 36

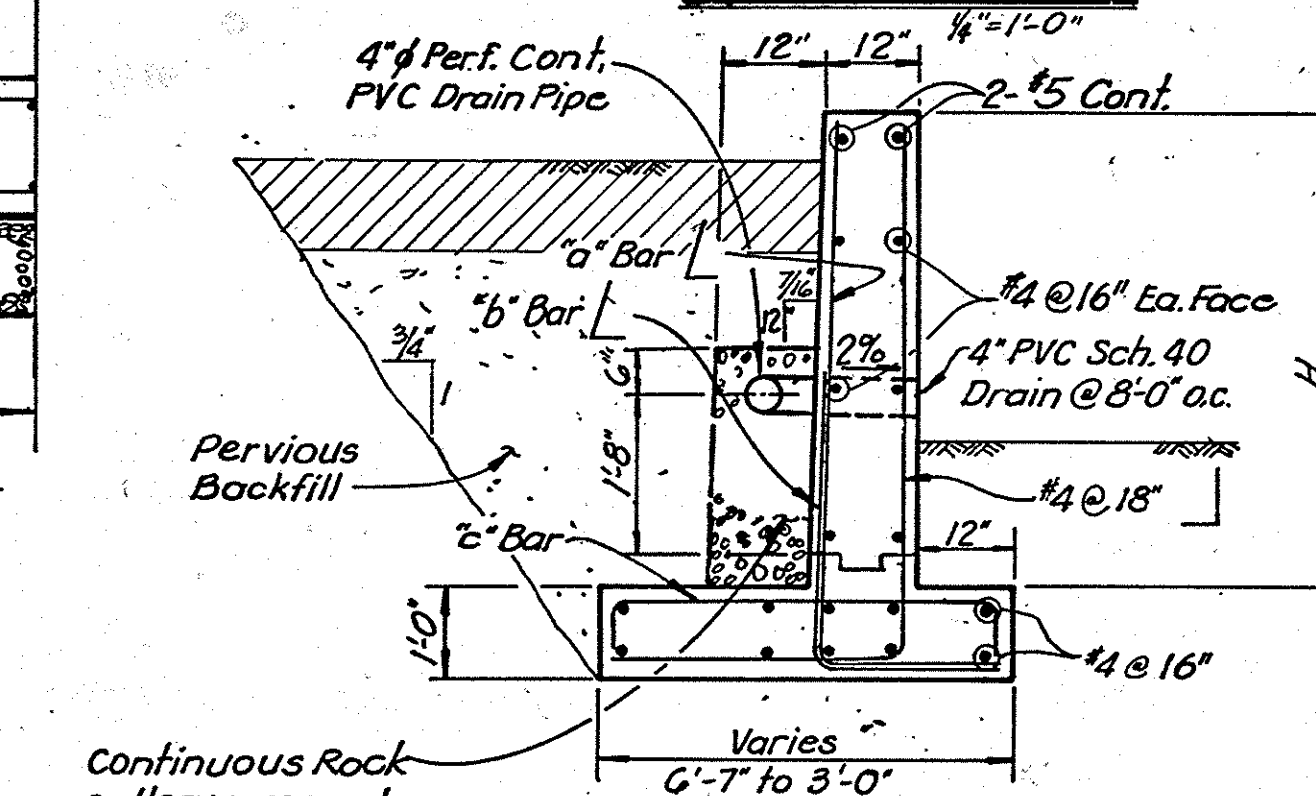
NOTE:
For Construction Joint Details
See Sheet B-10.
See Sheet B-11 For Design Data.

$$\frac{1}{2}'' = 1'-0''$$


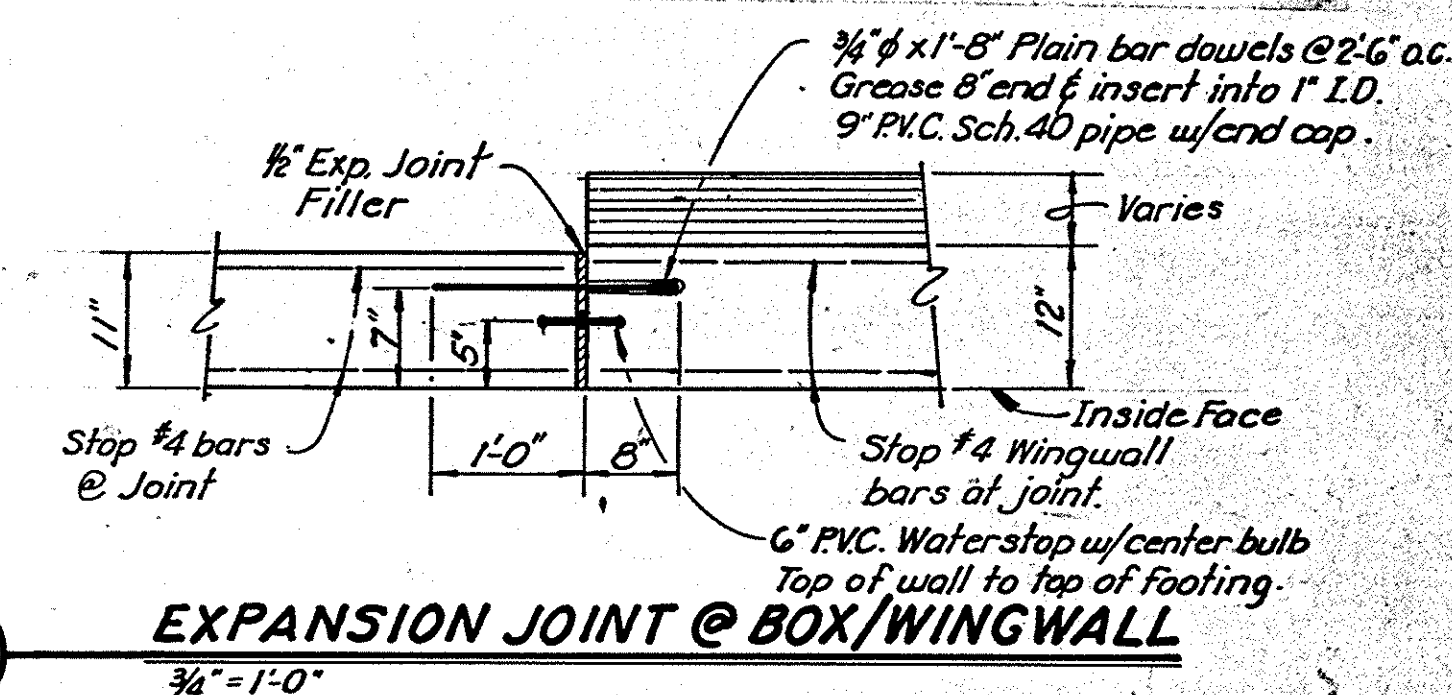
ELEVATION



PLAN
WALLS "A"- "E"



WALLS "D" & "E"

$$1/2'' = 1'-0''$$


EXPANSION JOINT @ BOX/WINGWALL

$$\frac{3}{4}'' = 1'-0''$$

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REF

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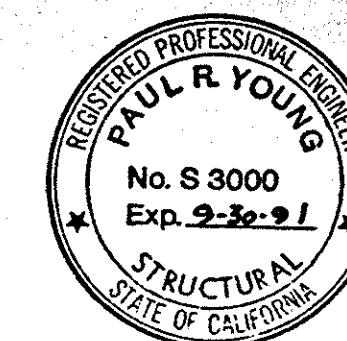
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DR 14 (16D 8)
Sheet 12 Of 13

STRUCTURAL NOTES, EQUESTRIAN UNDERPASS
REFERENCE SHEETS B11 AND B12

GENERAL

1. DIMENSIONS FROM FACE OF CONCRETE TO STEEL SHALL BE 1 1/2 INCHES CLEAR UNLESS OTHERWISE SHOWN.
2. CONCRETE DIMENSIONS SHALL BE MEASURED HORIZONTALLY OR VERTICALLY ON THE PROFILE EXCEPT AS OTHERWISE SHOWN.
3. ALL BAR BENDS, HOOKS AND PLACING OF REINFORCEMENT SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE'S "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".
4. TRANSVERSE CONSTRUCTION JOINTS IN WALLS AND SLABS SHALL BE IN THE SAME PLANE. NO STAGGERING OF JOINTS WILL BE PERMITTED. TRANSVERSE CONSTRUCTION JOINTS SHALL BE NORMAL TO THE CENTERLINE OF CONSTRUCTION.
5. TRANSVERSE REINFORCING STEEL SHALL TERMINATE ONE AND ONE HALF INCHES FROM THE CONCRETE SURFACES UNLESS OTHERWISE SHOWN.
6. EXPOSED EDGES OF CONCRETE SHALL BE ROUNDED OR BEVELED.
7. NO SPLICES IN TRANSVERSE STEEL REINFORCEMENT WILL BE PERMITTED OTHER THAN SHOWN ON THE DRAWING WITHOUT APPROVAL OF THE ENGINEER. TRANSVERSE BAR SPLICE SHALL BE 40 BAR DIAMETER MINIMUM.
8. LONGITUDINAL STEEL SHALL BE LAPPED MINIMUM 20 BAR DIAMETERS AT SPLICES.
9. LONGITUDINAL STEEL SHALL BE CONTINUOUS THROUGH ALL CONSTRUCTION JOINTS.
10. TRANSVERSE JOINT KEYWAYS (IN SLABS AND WALLS) AS DETAILED FOR LONGITUDINAL KEYWAYS AT THE BASE OF THE WALLS, SHALL BE PLACED AT THE END OF EACH POUR, BUT THE SPACING THEREOF SHALL NOT EXCEED 50 FEET OR BE LESS THAN 10 FEET.
11. AT THE BEGINNING AND END OF ALL POURS, A CURTAIN OF REINFORCEMENT COMPOSED OF B, C, C2, D, F, G AND H BARS SHALL BE PLACED THREE INCHES FROM THE TRANSVERSE CONSTRUCTION JOINT.
12. CONCRETE QUANTITIES ARE BASED ON A SIX-BY-SIX INCH FILLET AND THE STEEL QUANTITIES DO NOT INCLUDE ANY OPTIONAL SLICES.



ORANGE COUNTY
ENVIRONMENTAL MANAGEMENT AGENCY

PORTOLA BRIDGE
OVER
ALISO CREEK

EQUESTRIAN TRAIL UNDERCROSSING SECTIONS & DETAILS

MARK	DATE	DESCRIPTION	PREPARED UNDER SUPERVISION OF	SHEET
REVISIONS			PAUL R. YOUNG 4-12-91	B12 OF 13
DESIGNED A. CALBREATH			DATE	
DRAWN J. SAI DANA			SCALE	DWG. NO.
CHECKED J. W. B.			AS SHOWN	

DR. 14 (16108)