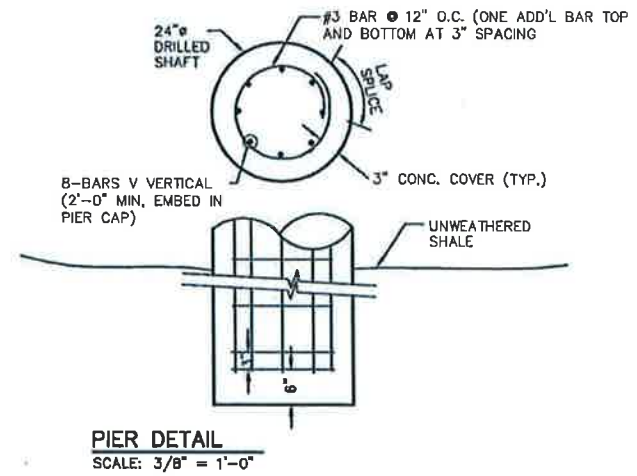
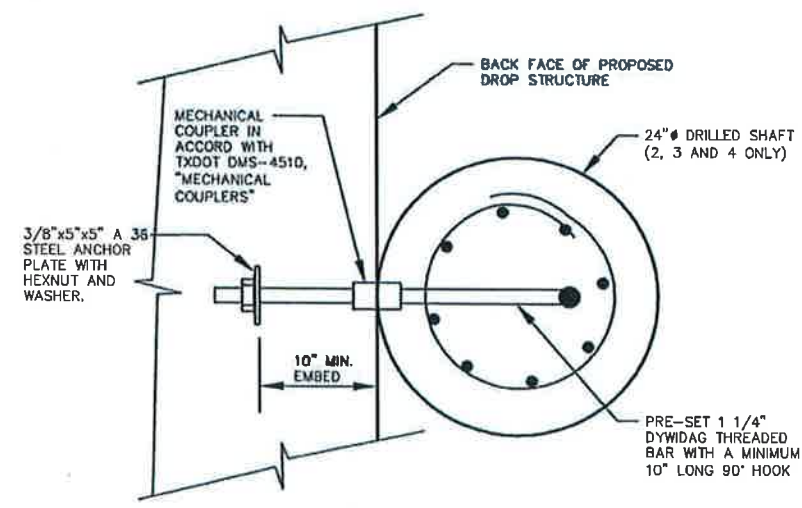
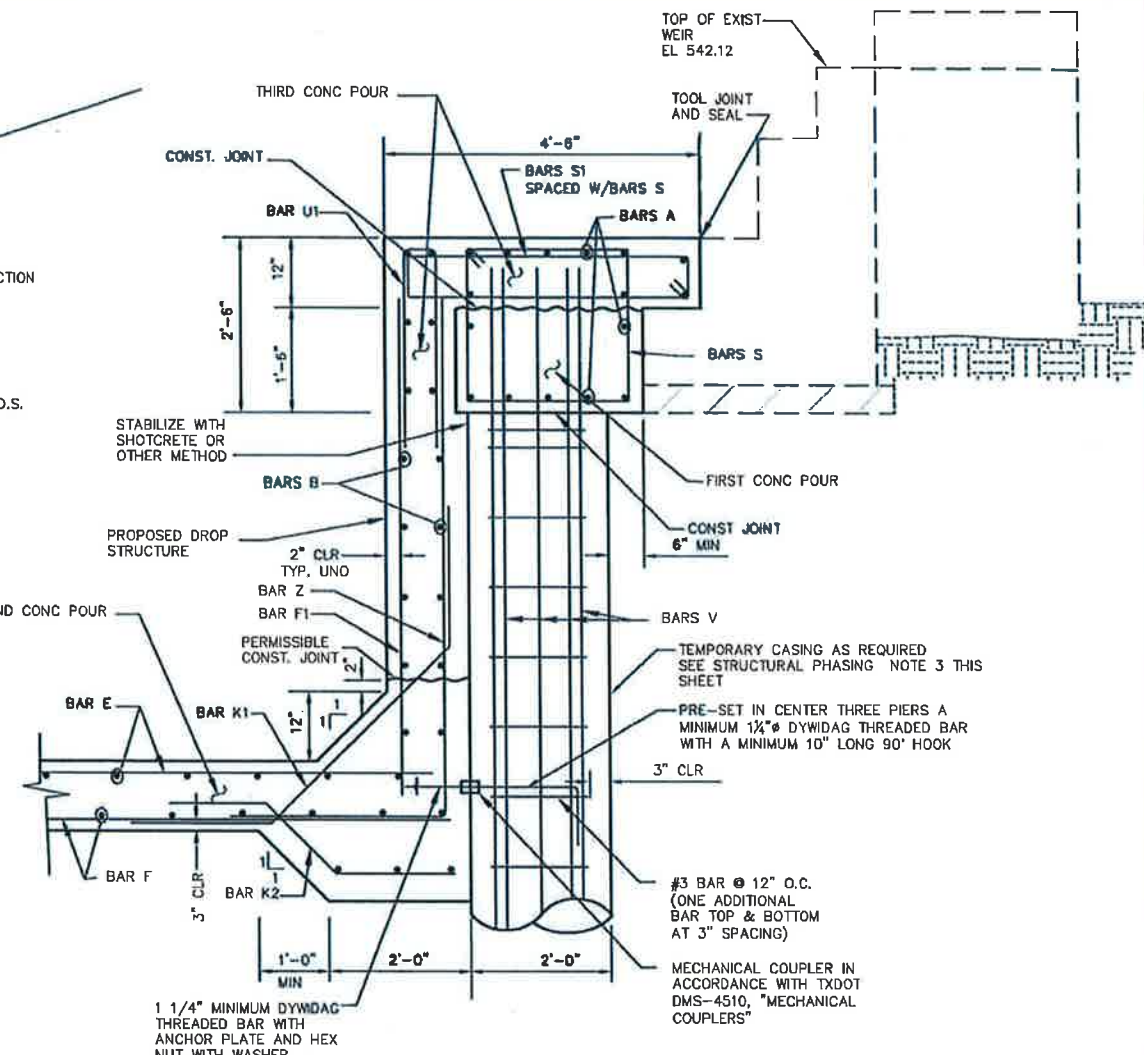
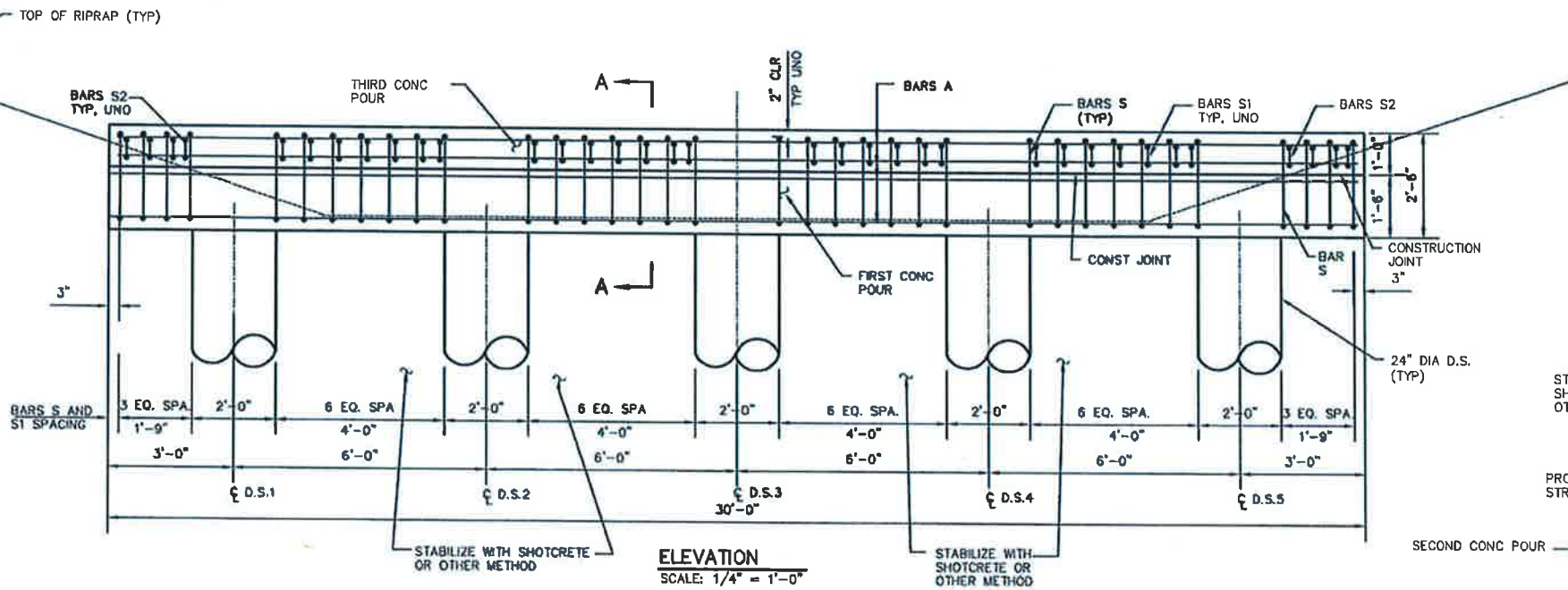


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- NOTES:**
1. ALL CONCRETE SHALL BE CLASS C WITH A MINIMUM COMPRESSION STRENGTH OF  $f_c = 3600$ PSI AT 28 DAYS.
  2. ALL REINFORCING SHALL BE GRADE 60.
  3. BARS CAN BE CUT AS NEEDED TO MAINTAIN A MINIMUM CONCRETE CLEAR COVER OF 3" FOR CONCRETE CAST AGAINST EARTH AND 2" CLEAR COVER OTHERWISE.
  4. VERTICAL BARS V IN DRILLED SHAFTS SHALL HAVE A MINIMUM SPLICE LENGTH OF 4'-6" AND A MINIMUM EMBEDMENT OF 2'-0" INTO PIER CAP.
  5. DRILLED SHAFTS SHALL PENETRATE INTO UNWEATHERED SHALE A MINIMUM OF 15'-0".
  6. FOR REINFORCING DETAILS, SIZE AND SPACING SEE SHEET 7.

- STRUCTURAL PHASING NOTES:**
- CONSTRUCTION PHASING FOR STRUCTURAL CONCRETE:  
(COMMENSURATE WITH PHASING SHOWN ON SITE MAP SHEET)
1. UPON COMPLETION OF PLACING TEMPORARY FILL MATERIAL, DRILL AND PLACE 5 PIERS AS SHOWN. CONTRACTOR SHALL USE SONOTUBE OR OTHER MEANS OF CASING AS NECESSARY IN TEMPORARY FILL AREA TO MAINTAIN SHAFT OPENING. PIERS SHALL REACH A COMPRESSIVE STRENGTH OF 2,500 PSI PRIOR TO PLACING CONCRETE PIER CAP.
  2. SET FORMS AND REINFORCING AS REQUIRED AND POUR LOWER 1'-6" OF PIER CAP SECTION AS SHOWN HEREIN AS FIRST CONCRETE POUR. CONCRETE SHALL REACH A COMPRESSIVE STRENGTH OF 2500 PSI PRIOR TO BEGINNING DEMOLITION OF EXISTING CONCRETE.
  3. EXCAVATE AND CONSTRUCT DROP STRUCTURE. CONTRACTOR SHALL MAINTAIN MATERIAL BETWEEN PIERS DURING EXCAVATION EITHER BY SHOTCRETE OR OTHER APPROVED METHOD. PLACE CONCRETE FOR FOUNDATION OF DROP STRUCTURE AS SECOND CONCRETE POUR.
  4. SET FORMS AND REINFORCING AS REQUIRED AND PLACE VERTICAL DROP WALLS AND UPPER 12" OF PIER CAP AS SHOWN HEREIN AS THIRD CONCRETE POUR.

*Handwritten signature and date: 1/27/12*

	revisions	date		<b>NATHAN D. MAIER</b> CONSULTING ENGINEERS, INC. FIRM REGISTRATION NO.: F-356	<b>SLOPE PROTECTION/DROP STRUCTURE AT BELLA LANE VEHICULAR BRIDGE AND STABILIZATION AT THE DOWNSTREAM WEIR VITRUVIAN PARK TOWN OF ADDISON, TEXAS</b>	<b>DOWNSTREAM WEIR STRUCTURAL DETAILS</b>					sheet no.
	design	drawn	scale	date	file name	job number					
	ADS	NDM	AS NOTED	1-27-12	ST01	11-07-037					