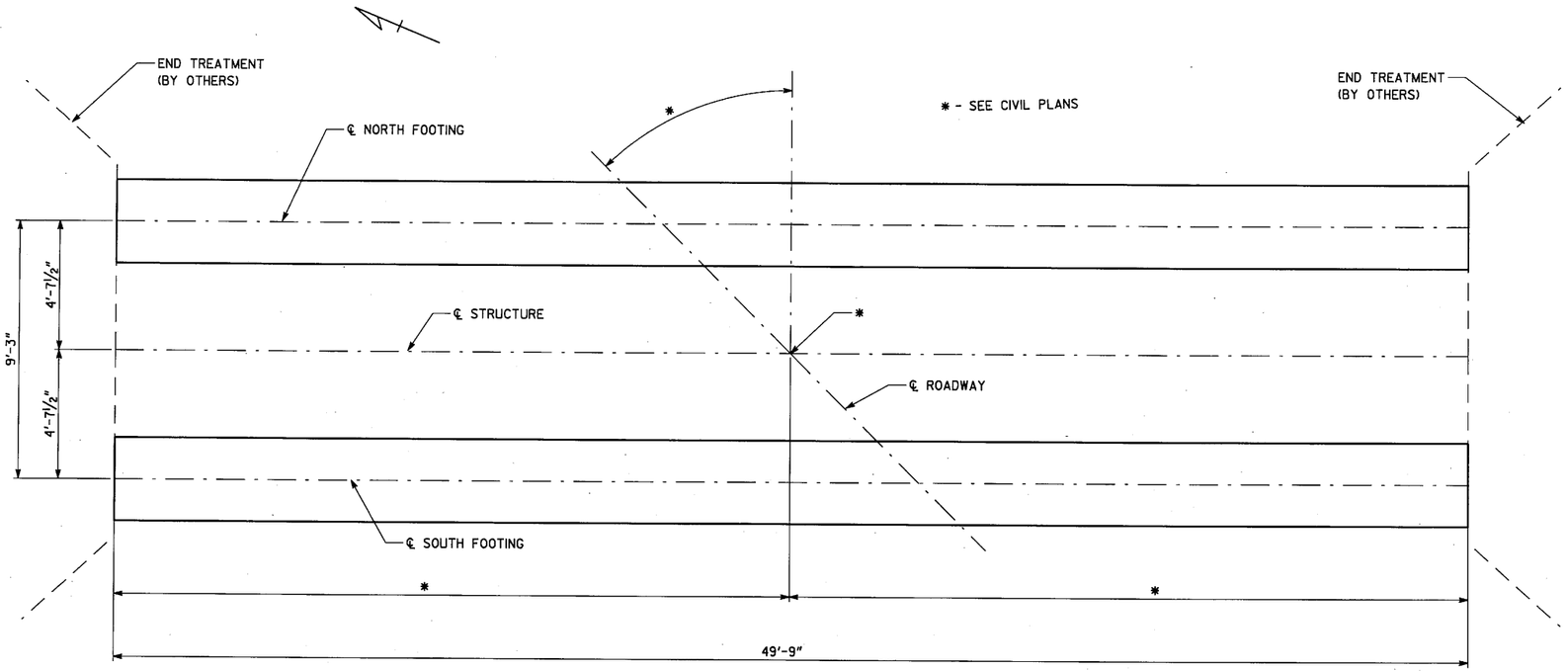
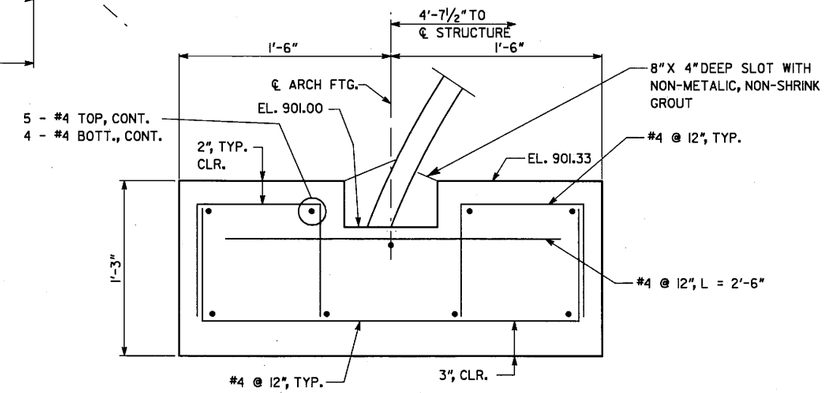


PLAN

OWNER/OWNER'S REPRESENTATIVE AND CIVIL/SITE ENGINEER SHALL VERIFY ALL GEOMETRY AND ELEVATION INCLUDING TOP OF FOOTING ELEVATIONS, PRIOR TO BEGINNING WORK. IF TOP OF FOOTING ELEVATION VARIES FROM THAT SHOWN ON THIS DRAWING, THE ENGINEER OF RECORD SHALL BE CONTACTED FOR A REVISION.

DESIGN DATA

CONCRETE	GDOT, CLASS "A" - f'_c = 3000 PSI
REINFORCING STEEL	ASTM A615, GRADE 60 - f_y = 60,000 PSI
COHESION	0 PSF
ANGLE OF INTERNAL FRICTION	28°
UNIT WEIGHT	120 PCF
SPECIFICATIONS	AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 17TH EDITION
ALLOWABLE BEARING PRESSURE	3000 PSF
DEAD LOADS	4'-0" MAX COVER
LIVE LOADS	HS20-44



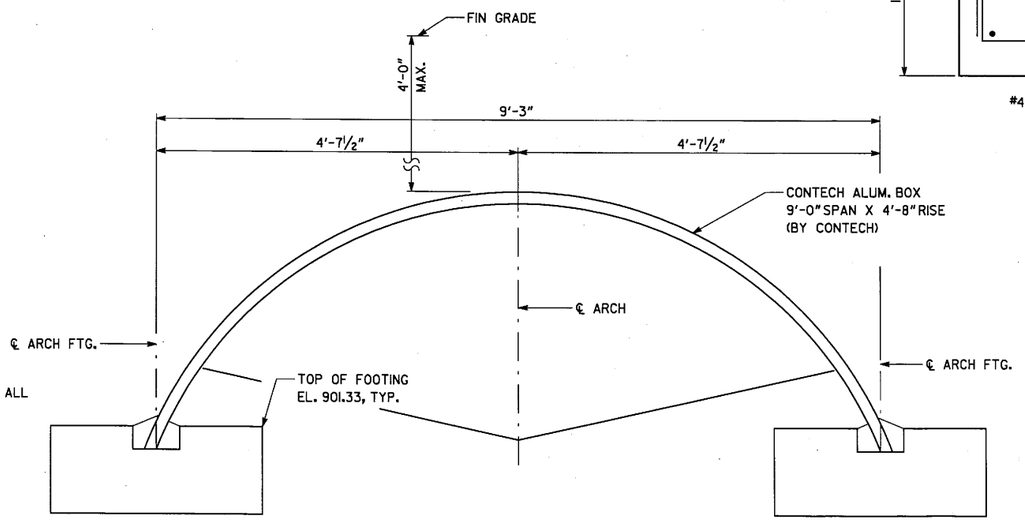
TYPICAL SECTION SPREAD FOOTING

NOT TO SCALE

IF REQUIRED, EXCAVATE AND BACKFILL AS DIRECTED BY GEOTECHNICAL (CIVIL) ENGINEER, REGISTERED IN THE STATE OF GEORGIA, TO ACHEIVE 3000 PSF MINIMUM ALLOWABLE BEARING.

NOTES:

1. CONCRETE SHALL BE GEORGIA DOT, CLASS A, f'_c = 3000 PSI.
2. ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60, f_y = 60,000 PSI.
3. FOR ALL HORIZONTAL GEOMETRY, SEE CIVIL/SITE PLANS.
4. ALL MATERIALS SHALL BE HANDLED, STORED AND PLACED PER GEORGIA DOT STANDARD SPECIFICATIONS, 2013 EDITION.
5. DO NOT SCALE DRAWINGS.
6. MINIMUM LAP: 75 X BAR DIAMETER.
7. UNLESS NOTED OTHERWISE, ALL WORK AND MATERIAL SHALL MEET GEORGIA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS, 2013 EDITION.
8. ALL CIVIL, SITE AND HYDRAULIC DESIGN BY OTHERS.
9. PROVIDE SCOUR PROTECTION AS REQUIRED BY SCOUR ANALYSIS (BY OTHERS).
10. MAINTAIN 3" CLEAR ON ALL REINFORCING PLACED AGAINST EARTH. MAINTAIN 2" CLEARANCE ON ALL OTHER REINFORCING.
11. PRIOR TO PLACING REINFORCING, MINIMUM ALLOWABLE BEARING SHALL BE VERIFIED BY A REGISTERED PROFESSIONAL IN THE STATE OF GEORGIA.
12. MINIMUM ALLOWABLE BEARING SHALL BE 3000 PSF.



NOT TO SCALE

GEORGIA REGISTERED No. 26566 PROFESSIONAL ENGINEER TIMOTHY L. SCHMITZ

10/12/17

© THIS DRAWING WAS DEVELOPED BY STRUCTURAL ENGINEERING SOLUTIONS, LLC FOR THE EXCLUSIVE USE BY CONTECH ENGINEERED SOLUTIONS, LLC FOR THE 12TH ST. CULVERT REPLACEMENT, SPALDING COUNTY, GEORGIA. NO PART OF THIS DOCUMENT MAY BE REPRODUCED, USED OR COPIED BY OTHERS WITHOUT WRITTEN PERMISSION OF CONTECH ENGINEERED SOLUTIONS, LLC AND STRUCTURAL ENGINEERING SOLUTIONS. (STRUCTURAL ENGINEERING SOLUTIONS, LLC & CONTECH ENGINEERED SOLUTIONS, LLC, ALL RIGHTS RESERVED).

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

FOR: CONTECH ENGINEERED SOLUTIONS, LLC
1480 GENERAL ARTS ROAD, N.W.
CONYERS, GA. 30012
678-662-9331

	NAME	DATE		NAME	DATE
DESIGNED BY	T. SCHMITZ	6/2/2017	DRAWN BY		
CHECKED BY			CHECKED BY		
SUPERVISED BY	TIM SCHMITZ, P.E.				

BY: STRUCTURAL ENGINEERING SOLUTIONS, LLC
TRANSPORTATION AND CONSTRUCTION STRUCTURAL ENGINEER
3260 Isoline Way. Smyrna, Georgia 30080
P: 404-664-6383 F: 678-298-1823 Tim@StrEngSolutions.com

FOOTING PLAN, ELEVATION AND TYPICAL SECTION FOR 9'-0" X 4'-8" RISE ALUMINUM BOX STRUCTURE 12TH ST. CULVERT REPLACEMENT, SPALDING COUNTY, GEORGIA

PROJECT NO. 100312
DRAWING NO. 1/1

Filename: N:\S-Projects\009 - Contech\12 - 12th St\12thST-06122017.dgn
Time: 10:35:29 AM
Date: 6/12/2017
User Name: TLS