

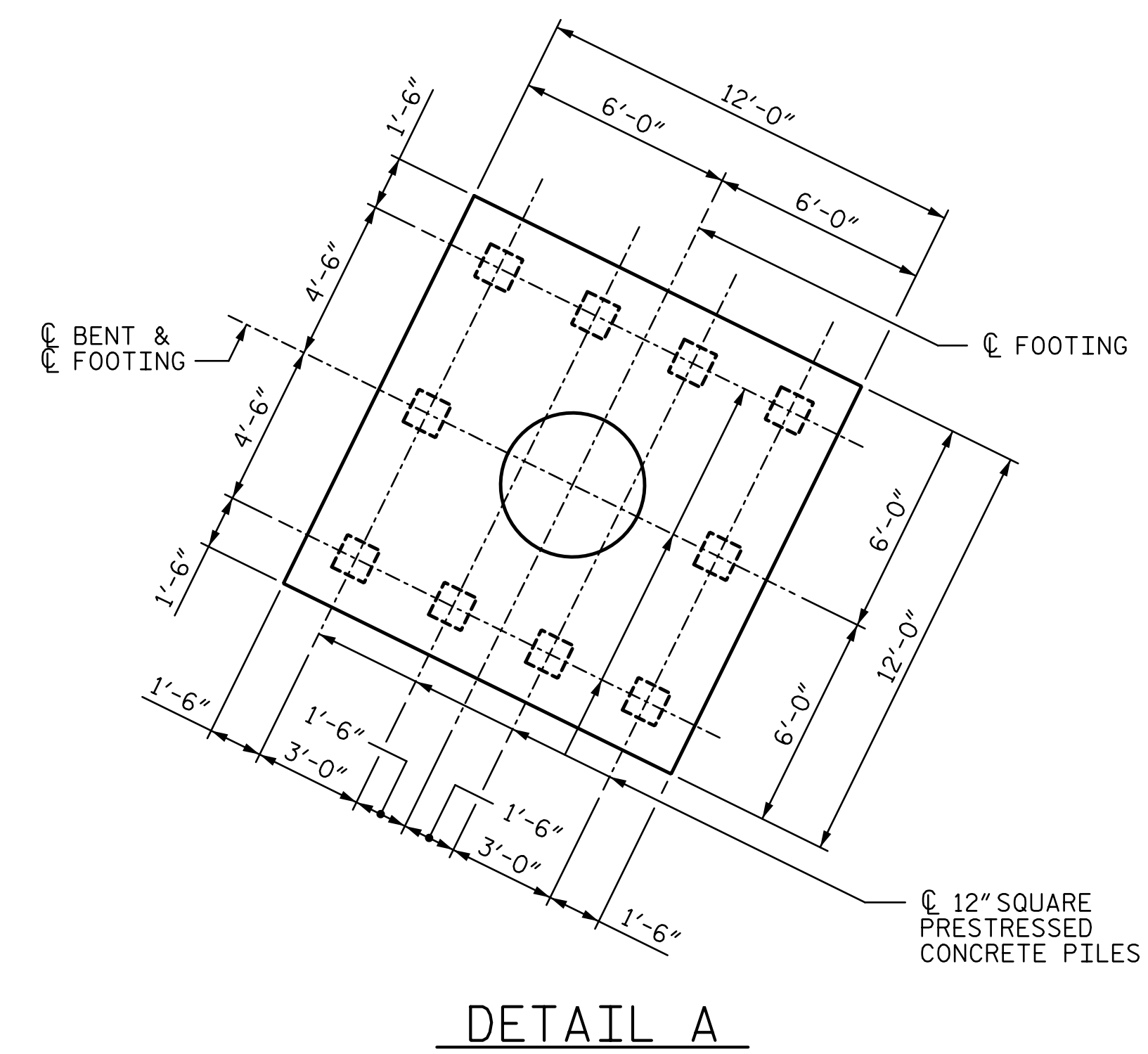
FOUNDATION LAYOUT

(DIMENSIONS LOCATING PILES ARE SHOWN TO THE PILE CENTERLINE AT THE BOTTOM OF CAP/FOOTING)

⊞ DENOTES DIRECTION OF 3:12 PILE BATTER

NOTES:

- FOR PILES, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.
- PILES AT END BENT 1 AND END BENT 2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 160 TONS PER PILE.
- PILES AT BENT 1 AND BENT 2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 75 TONS PER PILE.
- DRIVE PILES AT END BENT 1 AND END BENT 2 TO A REQUIRED DRIVING RESISTANCE OF 215 TONS PER PILE.
- DRIVE PILES AT BENT 1 AND BENT 2 TO A REQUIRED DRIVING RESISTANCE OF 100 TONS PER PILE.
- IT HAS BEEN ESTIMATED THAT A HAMMER WITH AN EQUIVALENT RATED ENERGY IN THE RANGE OF 50-110 FT-KIPS PER BLOW WILL BE REQUIRED TO DRIVE PILES AT END BENT 1 AND END BENT 2. THIS ESTIMATED ENERGY RANGE DOES NOT RELEASE THE CONTRACTOR FROM PROVIDING DRIVING EQUIPMENT IN ACCORDANCE WITH SUBARTICLE 450-3(D)(2) OF THE STANDARD SPECIFICATIONS.
- TESTING THE FIRST PRODUCTION PILE WITH THE PDA DURING DRIVING, RESTRIKING OR REDRIVING IS REQUIRED AT END BENT 1 OR END BENT 2. FOR PDA TESTING, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.
- TESTING THE FIRST PRODUCTION PILE WITH THE PDA DURING DRIVING, RESTRIKING OR REDRIVING IS REQUIRED AT BENT 1 OR BENT 2. FOR PDA TESTING, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.
- OBSERVE A TWO MONTH WAITING PERIOD AFTER CONSTRUCTING THE EMBANKMENT TO FINISHED GRADE BEFORE BEGINNING END BENT CONSTRUCTION AT END BENT NO. 1 AND END BENT NO. 2 (STAGE 2 WAITING PERIOD). SEE ROADWAY PLAN TITLED "DETAILS FOR GEOTEXTILE FOR EMBANKMENT STABILIZATION AND STAGE CONSTRUCTION AT -Y6- BRIDGE APPROACHES".
- DO NOT BEGIN WORK AT BENT NO. 1 AND BENT NO. 2 UNTIL BRIDGE WAITING PERIODS END. SEE SUMMARY OF BRIDGE WAITING PERIODS IN THE ROADWAY PLANS.



DETAIL A

PROJECT NO. R-2514D
JONES & CRAVEN COUNTY
 STATION: 526+71.12 -L-
= 16+08.07 -Y6-
 SHEET 2 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL DRAWING
 FOUNDATION LAYOUT

-LEFT LANE-

DocuSigned by:
 Kevin G. Bailey
 4625ECCDF78401...

DocuSigned by:
 Adam J. Peter
 E3F6AF8D084742A...

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL
 KEVIN G. BAILEY
 28479
 35695

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL
 ADAM J. PETER
 35695

3/10/2015 3/10/2015

STV / Ralph Whitehead Associates, Inc.
 900 West Trade Street, Suite 715
 Charlotte, NC 28202
 NC License Number F-0991

REVISIONS				SHEET NO.
NO.	BY:	DATE:	NO.	DATE:
1			3	
2			4	

TOTAL SHEETS: 38

DRAWN BY: <u>ATH</u>	DATE: <u>6-14</u>	DESIGN ENGINEER OF RECORD: <u>P. KELLY</u>	DATE: <u>6-14</u>
CHECKED BY: <u>TJT</u>	DATE: <u>6-14</u>		

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