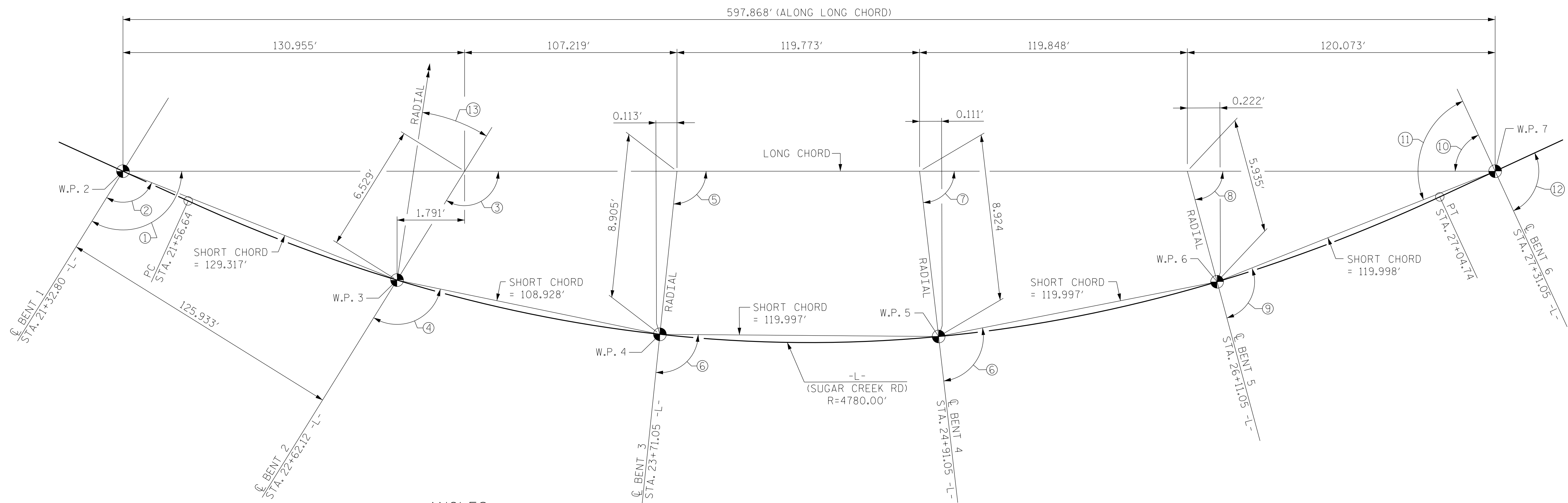


2/18/2015 Y:\D:\ewings\2011\DWG\Structures\RFC\Sugar Creek Rd - NCDOT\Structures\RFC\S05\_U-5008\_SD.LC.dgn



**ANGLES**

- ① 105°55'3.9"
- ② 103°8'5.6" (TO SHORT CHORD)
- ③ 105°55'3.9"
- ④ 104°32'11.3"
- ⑤ 90°43'42.4"
- ⑥ 90°43'9.1"
- ⑦ 89°17'24.2"
- ⑧ 87°51'6.0"
- ⑨ 90°41'4.6"
- ⑩ 86°43'43.2"
- ⑪ 89°33'41.8"
- ⑫ 90°0'0"
- ⑬ 13°53'1"

**LONG CHORD LAYOUT**

END BENT 1, BENT 1 & BENT 2 ARE PARALLEL.  
 BENTS 3, 4, & 5 ARE RADIAL.  
 BENT 6 & END BENT 2 ARE PARALLEL.

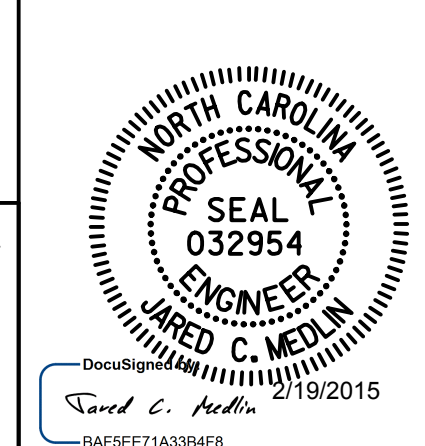
**-L- HORIZONTAL CURVE DATA**

PI STA. 24+30.99  
 $\Delta = 6^\circ 34' 11.2''$  (LT)  
 $D = 1^\circ 11' 55.2''$   
 $L = 548.10'$   
 $T = 274.35'$   
 $R = 4,780.00'$

PROJECT NO. U-5008  
MECKLENBURG COUNTY  
 STATION: 20+45.05 -L- P.O.T. =  
14+54.24 -Y4- P.O.T.  
 SHEET 5 OF 6

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
**GENERAL DRAWING**  
 FOR BRIDGE ON SUGAR CREEK RD  
 OVER BEARWOOD AVE, NCRR/NSRR,  
 AND RALEIGH ST  
 BTW US74/NC27 & US29/NC49

MP. MAIN 374.02



**KCI** ASSOCIATES OF NC, P.A.  
 9741 SOUTHERN PINE BLVD  
 SUITE J  
 CHARLOTTE, NC 28273  
 704-499-9452  
 NC LICENSE No. C-0764

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-5
1			3			SHEETS
2			4			78

DRAWN BY : D.L.KEENER DATE : SEP. 2013  
 CHECKED BY : J.D.FITZMORRIS DATE : SEP. 2013