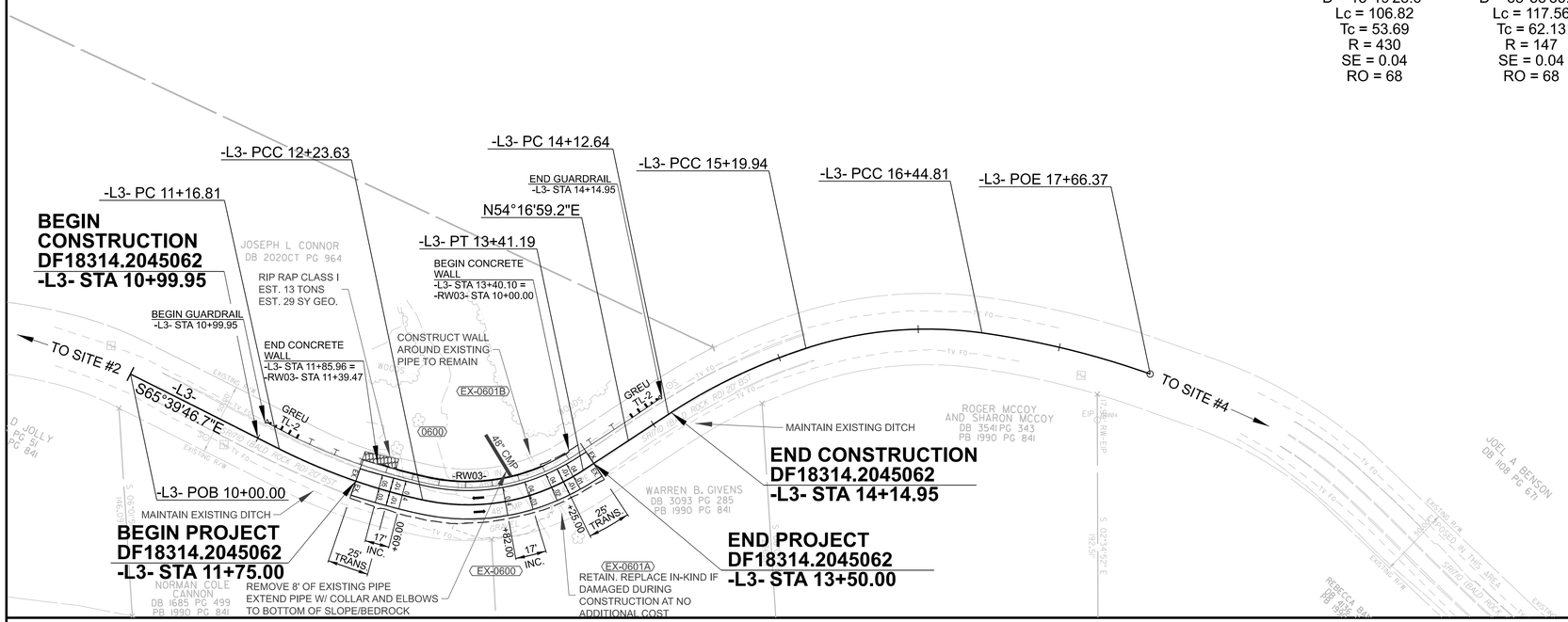
Docusign Envelope ID: 5B1174E2-387E-47F5-B4B3-D7C9E326A2D2

-L3-

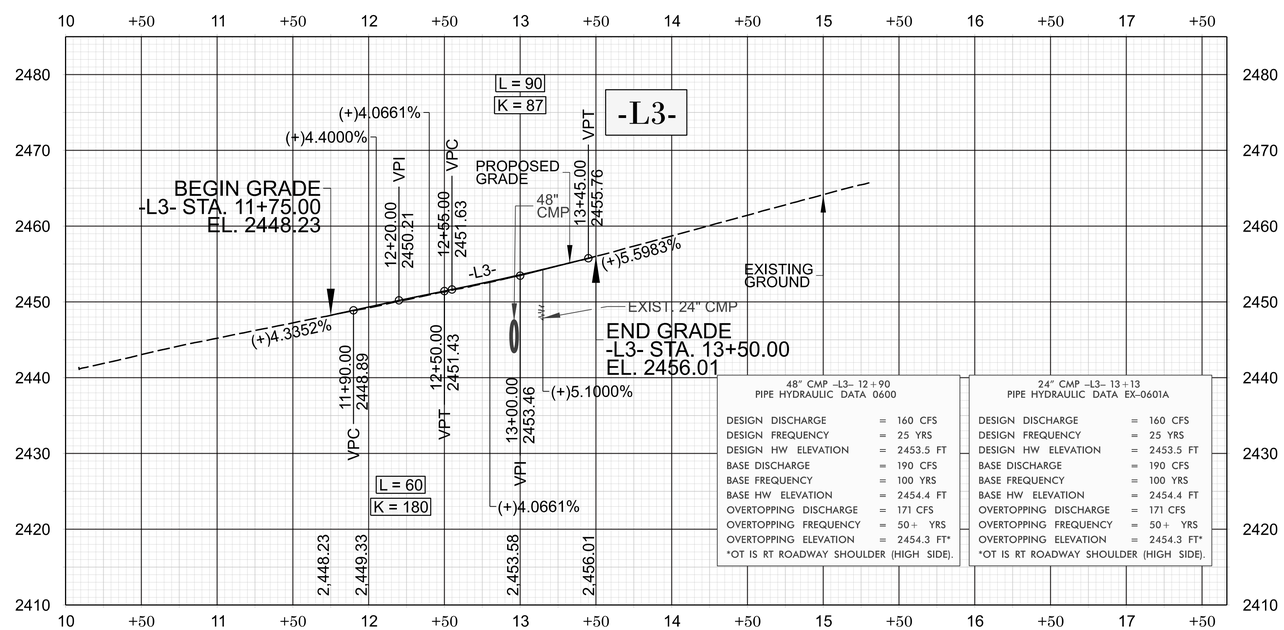
CUR DATA -L3-	CUR DATA -L3-	CUR DATA -L3-	CUR DATA -L3-	CUR DATA -L3-
PIc 11+70.49	PIc 12+85.75	PIc 14+66.61	PIc 15+83.47	PIc 17+05.80
Δc = 14°14'00.8" (LT)	Δc = 45°49'13.2" (LT)	Δc = 15°22'14.2" (RT)	Δc = 25°55'21.8" (RT)	Δc = 11°38'47.2" (RT)
D = 13°19'28.6"	D = 38°58'36.2"	D = 14°19'26.2"	D = 20°45'33.6"	D = 09°34'52.4"
Lc = 106.82	Lc = 117.56	Lc = 107.31	Lc = 124.87	Lc = 121.55
Tc = 53.69	Tc = 62.13	Tc = 53.98	Tc = 63.52	Tc = 60.99
R = 430	R = 147	R = 400	R = 276	R = 598
SE = 0.04	SE = 0.04	SE = EXIST.	SE = EXIST.	SE = EXIST.
RO = 68	RO = 68	RO = N/A	RO = N/A	RO = N/A



NAD 83
NA 2011

NOTES:
SEE SHEET NOS. 2G-3A THRU 2G-3B FOR GEOTECH DETAILS.

BALD ROCK ROAD (SR1710) SHALL BE RECONSTRUCTED UTILIZING THE EXISTING SECONDARY ROAD AGREEMENTS ALREADY IN PLACE EXCEPT WHERE PROPOSED RIGHT OF WAY AND EASEMENTS ARE SHOWN ON THE PLANS.



48" CMP –L3– 12+90 PIPE HYDRAULIC DATA 0600		
DESIGN DISCHARGE	=	160 CFS
DESIGN FREQUENCY	=	25 YRS
DESIGN HW ELEVATION	=	2453.5 FT
BASE DISCHARGE	=	190 CFS
BASE FREQUENCY	=	100 YRS
BASE HW ELEVATION	=	2454.4 FT
OVERTOPPING DISCHARGE	=	171 CFS
OVERTOPPING FREQUENCY	=	50+ YRS
OVERTOPPING ELEVATION	=	2454.3 FT*
*OT IS RT ROADWAY SHOULDER (HIGH SIDE).		

24" CMP –L3– 13+13 PIPE HYDRAULIC DATA EX-0601A		
DESIGN DISCHARGE	=	160 CFS
DESIGN FREQUENCY	=	25 YRS
DESIGN HW ELEVATION	=	2453.5 FT
BASE DISCHARGE	=	190 CFS
BASE FREQUENCY	=	100 YRS
BASE HW ELEVATION	=	2454.4 FT
OVERTOPPING DISCHARGE	=	171 CFS
OVERTOPPING FREQUENCY	=	50+ YRS
OVERTOPPING ELEVATION	=	2454.3 FT*
*OT IS RT ROADWAY SHOULDER (HIGH SIDE).		

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FINAL | 06

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
HENDERSON COUNTY

HIGHWAY DIVISION 14

ROADWAY DESIGN ENGINEER
8/26/2025
NORTH CAROLINA PROFESSIONAL SEAL 039234 ENGINEER NIKKI L. HONEYCUTT
Signed by:
Nikki Honeycutt
8/26/2025 | 7:50:00 AM EDT
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HYDRAULICS ENGINEER
8/26/2025
NORTH CAROLINA PROFESSIONAL SEAL 049338 ENGINEER ERIK P. AADLAND
Signed by:
Erik P. Aadland
8/26/2025 | 7:51:00 AM EDT

PREPARED BY
KCA
KISINGER CAMPO & ASSOCIATES
NC FIRM LICENSE No: C-1506
301 Fayettville St.,
Suite 1500
Raleigh, NC 27601
(919)882-7839

REVISIONS