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Dewberry
2610 WYCLIFF ROAD
SUITE 410
RALEIGH, NC 27607
PHONE: 919.881.9929
NC COA No. P-0929

PROJECT REFERENCE NO.	SHEET NO.
R-2233BB	32
RW SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 020031 ENGINEER DENNIS J. MORY
9/14/2021

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 27886 ENGINEER STEVEN M. JONDORF
9/14/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

5/14/99

MATCH TO SHEET 18 -Y11- STA. 13+65.00

-Y11- PC Sta. 16+46.41

CURVE DATA FOR -Y11-
PI Sta 18+63.57
Δ = 39° 47' 36.2" (RT)
D = 9° 32' 57.5"
L = 416.72'
T = 217.16'
R = 600.00'
SE = .06
RUNOFF = 126.00'
DS = 40 mph

NAD 83

267 JAMES E. STILL, JR
SHARON D. STILL
DB 849 PG 681
DB 280 PG 429
DB 230 PG 499

183 — +82 -Y11- 17' LT. END PAVE TRAIL CONNECTION; TOE PROTECTION SEE DETAIL 7; +82 -Y11- 35' LT. PROP BOLLARDS; GREU TL-3; N 65°17'29" E; BEGIN SBG +04.01; +82 -Y11- 25' RT. END PAVE TRAIL CONNECTION; +82 -Y11- 35' RT. PROP BOLLARDS; PROP. GUARDRAIL; LAT V DITCH SEE DETAIL 23; TOE PROTECTION SEE DETAIL 7; Y11 +00 105' LT; Y11 +80.38 86.79' LT; Y11 +07.49 87.84' LT; Y11 +50 165' LT; 18" CSP; 24" RCP-III; 21' TYP.; 100.00' 400' R/W PER PB 38 PG 48; N 25°23'33" W 205.40'; N 25°47'07" W 185.96'; N 63°04'05" E 210.5'; N 58°54'41" W 428.75'; Y11 +90 40' RT; Y11 +13.06 109.56' RT; Y11 +75 115' RT; Y11 +83 202' RT; Y11 +96 242' RT; N 67°52'06" E 66.17'; WD POST; BY41-329; PDE

182 — 221 INDUSTRIAL WAREHOUSE, LLC DB 11121 PG 91 PB 37 PG 18 PB 38 PG 48

181 — 36" STEEL PIPE; RETAIN; N 25°30'17" W 65.04'; N 68°59'16" E 49.15'; N 25°30'17" W 47.40'; N 25°17'56" W 100.00'; N 29°07'24" W 94.07'; THERMAL BELT RAIL TRAIL; 36" RW/25BW; PAVEMENT TO REMAIN FOR TRAIL CONNECTION; BOLLARDS; N 29°07'24" W 4.68'; N 69°15'24" E 47.71'; 50 PR; B140-328; 4" PVC; BENCH; 48" WD

180 — 179

174 — 221 INDUSTRIAL WAREHOUSE, LLC DB 11121 PG 91 PB 37 PG 18 PB 38 PG 48

174A — ROCK CORNER PROPERTIES, LLC DB 11146 PG 801 PB 38 PG 48

EXISTING R/W TO BE ABANDONED; EXISTING R/W; 10' STONE & CONC HW; 24" CMP; GPS R2597-2

3201 OTCB; 3202 OTCB; 3203 OTCB; 3204 PDE; 3205 2GI 15" RCP-III; 3206 2GI 18" RCP-III; 3207 END +21.31 SBG; 3208 HW; 3209 OTCB; 3211; 3212 OTCB; 3213

RIP RAP ENERGY DISSIPATOR BASIN SEE DETAIL 1; Y11 +90 250' LT; Y11 +90 223.91' LT; Y11 +40 252' LT; BANK STABILIZATION SEE DETAIL 30; Y11 +50 240' LT; N 63°49'25" E 57.03'; N 64°09'08" E 107.72'; S 89°45'27" E 131.14'; N 73°14'18" E 59.30'; S 56°22'37" E 54.23'; S 75°22'02" E 84.20'; N 63°49'25" E 25.60'; N 44°09'02" E; N 66°25'28" E 104.36'; RIP RAP PAD AT JURISDICTIONAL STREAM RT BANK ONLY SEE DETAIL 5; Y11 +15 120' LT; Y11 +50 60' LT; Y11 +50 70' LT; Y11 +41.70 45' RT; Y11 +16.06 40' RT; Y11 +05 120' RT; Y11 +60 180' RT; Y11 +60 220' RT; Y11 +85 220' RT; Y11 +67.32 283.84' RT; Y11 +30 197.52' RT; S 43°14'09" E 179.39'; 42" CSP BURIED 0.7'; 15" CSP; 18" CSP; 24" CSP; STANDARD V DITCH 6% MIN SLOPE SEE DETAIL 17; LAT V DITCH SEE DETAIL 6; SPECIAL CUT DITCH SEE DETAIL 20; +41.61 BEG. TAPER; +00 END TAPER; Y11 +10 40' LT, 16' LT; Y11 +10 40' RT, 16' RT; END CONSTRUCTION -Y11- POT Sta. 28+00; END R/W ACQUISITION -Y11- POT Sta. 28+10; S 74°54'54" E 541.7'; -Y11- PT Sta. 20+63.3; 21' TYP.; GREU TL-3; MACADAM; 600' EE; 18" CMP; 3.5' CONT. UNDULATED ROCK HW; SR 1535 GRAYHILL RD 40' EST; EXISTING R/W; 33.58'; 11'XS-CONC HW; 6' CMP; 8" CMP; 6" CMP; 24" CMP; 8" CMP

SEE SHEETS 81 & 82 FOR -Y11- PROFILE
SEE SHEETS 2D-1 THRU 2D-9 FOR DRAINAGE DETAILS

9/13/2021 2:00:27 PM
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