

5/28/22

-Y1ARPA-

PROJECT REFERENCE NO. 1-5987A	SHEET NO. 84
ROADWAY DESIGN ENGINEER 5/18/2022	HYDRAULICS ENGINEER 5/19/2022
DocuSigned by: Steve Anthony Duan	DocuSigned by: Will Matthews
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
NV5 NV5 ENGINEERS & CONSULTANTS, INC. 7500 E. INDEPENDENCE BLVD, STE 100 CHARLOTTE, NC 28227 P: 704.537.7300 www.NV5.com NC License # F-1333	

-Y1ARPA- STA 10+00.00
 -L- STA 305+88.00, 6' LT
 BEGIN GRADE
 ELEV = 150.03'

PI = 15+00.00
 EL = 153.53'
 K = 200
 VC = 200'
 DS = 65 MPH

PI = 17+90.00
 EL = 152.66'
 K = 166
 VC = 380'
 DS = 65 MPH

HIGH POINT 15+40.00
 ELEV = 153.32'

LOW POINT 16+49.70
 ELEV = 153.16'

DITCH LEGEND	
LEFT DITCH	-----
RIGHT DITCH	-----

BEGIN SPECIAL LATERAL 'V' DITCH
 +00.00 RT
 148.07'

END SPECIAL LATERAL 'V' DITCH
 +50.00 RT
 148.40'

FOR -Y1ARPA- PLAN, SEE SHEET 17, 18
 EXISTING GROUND PROFILE SHOWN AT PGL

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00

-Y1ARPA-

-Y1ARPA- STA 29+04.89
 END GRADE
 ELEV = 174.89'

PROPOSED GRADE
 (+)1.9939%

(-)0.8800%

EXISTING GROUND
 BEGIN LATERAL 'V' DITCH
 +50.00 RT
 150.45'

END LATERAL 'V' DITCH
 +50.00 RT
 149.57'

DITCH LEGEND	
LEFT DITCH	-----
RIGHT DITCH	-----

FOR -Y1ARPA- PLAN, SEE SHEET 17
 EXISTING GROUND PROFILE SHOWN AT PGL

24+00 25+00 26+00 27+00 28+00 29+00

5/19/2022
 P:\Projects\15987A_PSH_PFL_84.dgn
 David