DocuSign Envelope ID: 13357D5A-C745-45EA-A9A7-357205CEA745

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
R-3100A	5

ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 21102 JOHN TIMOTHY JONTZ — Documents Not Considered Final for Bidding or Construction — 3/15/2017

HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 025503 RICHARD K. MOORE — Documents Not Considered Final for Bidding or Construction — 3/15/2017

MOTT MACDONALD I & E, LLC
LICENSE NO. F-0669

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of:
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PO Box 700
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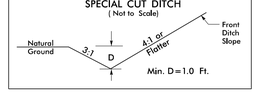
www.mottmac.com/americas

McKIM & CREED
NC LICENSE #1132
243 NORTH FRONT STREET
WILMINGTON, NORTH CAROLINA 28401
TEL. (910) 343-1568 FAX. (910) 790-8202

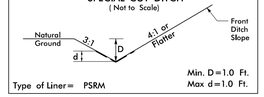
SEE SHEET 2B-5 FOR ISLAND DETAIL
SEE PROFILE SHEET 24 & 33

DETAIL D
SPECIAL CUT DITCH (Not to Scale)



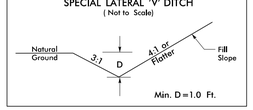
FROM STA. 25+00 TO STA. 27+10 –L– LT
FROM STA. 25+00 TO 29+50 –L– RT

DETAIL G
SPECIAL CUT DITCH (Not to Scale)



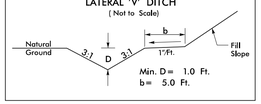
FROM STA. 32+59 TO STA. 34+45 –L– LT

DETAIL H
SPECIAL LATERAL 'V' DITCH (Not to Scale)



FROM STA. 27+90 TO STA. 29+50 –L– LT

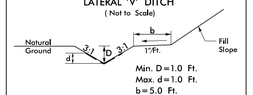
DETAIL L
LATERAL 'V' DITCH (Not to Scale)



FROM STA. 30+50 TO STA. 32+58.5 –L– LT
FROM STA. 32+50 TO STA. 33+22 –L– RT

NAD 83/NSRS 2007

DETAIL M
LATERAL 'V' DITCH (Not to Scale)



FROM STA. 29+50 TO STA. 30+50 –L– LT
FROM STA. 29+50 TO STA. 32+50 –L– RT

DETAIL N
SPECIAL CUT DITCH (Not to Scale)

FROM STA. 11+75 TO STA. 13+00 –Y16– LT
FROM STA. 12+55 TO STA. 13+00 –Y16– RT

MATCHLINE –L– STA 24+00.00 SEE SHEET NO. 4

MATCHLINE –L– STA 38+00.00 SEE SHEET NO. 6

25+00 | 30+00 | 35+00

-Y16- POT Sta. 10+00.00

BEGIN CONSTRUCTION
-Y16- POT Sta. 11+75.00

-L- POT Sta. 37+10.67
-Y17- PC Sta. 10+00.00

-L- POT Sta. 27+51.09
-Y16- POT Sta. 13+75.00

-BL-37

END CONSTRUCTION
-Y17- POC Sta. 12+00.00

-Y17- PCC Sta. 13+24.75

-Y17- PT Sta. 14+95.00

-Y17-
PI Sta 11+60.16
Δ = 6° 11' 00.1" (LT)
D = 1° 55' 56.3"
L = 320.00'
T = 160.16'
R = 2,965.15'

PI Sta 14+10.07
Δ = 9° 36' 38.4" (LT)
D = 5° 38' 41.7"
L = 170.25'
T = 85.33'
R = 1,015.00'

GPS R3100AB-7

BM#10 -BL-
STA 227+49 238'LT
ELEV.= 998.97'

8 MICHAEL D & JULIE D CARROLL DB 2767 PG 429

13 ERIC C & ANNETTE H LEE DB 2054 PG 774

12 DAVID L STEWART DB 2899 PG 1370 PB 47 PG 103

10 JERRY R WARREN DB 2152 PG 187 PB 47 PG 103

14 ERIC C & ANNETTE H LEE DB 2054 PG 774

15 BRIAN N POOLE & TONY MARVIN POOLE DB 2695 PG 482

9 DAVID LEE STEWART DB 1746 PG 879

S 32°28'23"W 408.58'

N 26°21'49" E 317.23'

S 32°28'01" E 410.50'

N 26°21'49" E 555.31'

S 41°33'12" E 264.29'

S 41°33'12" E 185.33'

S 24°12'40.8" W 322.29'

S 41°07'51" W 320.01'

TRAFFIC DIAGRAM (IN HUNDREDS)

	ADT 2017	ADT 2037
CALDWELL RD –Y16–	470	620
NC 16 –L–	370	520
	100	100
	100	100
–L–	10,400	17,390
–L–	10,140	16,660

TRAFFIC DIAGRAM (IN HUNDREDS)

	ADT 2017	ADT 2037
NC 16	10,140	16,660
MT RHUMA RD –Y17–	240	310
	100	100
	340	410
–L–	10,000	16,450

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

5:40:35 AM
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jgrubbs
8/16/2017