5/14/99

HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
R-5021	EC-74/CONST.35
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Matting for Erosion Control or Coir Fiber Mat, as directed, on Slope as Work Allows.
–Y14A– Sta. 29+00 to Sta. 34+00 LT
–Y14A– Sta. 30+50 to Sta. 31+75 RT

NOTE:
UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS /JURISDICTIONAL AREAS, AND AS DIRECTED

MATCH LINE –Y14A–
STA 35+50.00 SEE SHEET 24

MATCH LINE –Y14C–
STA 20+75.00
SEE SHEET 24A

EXISTING TRAFFIC SIGNAL

NAD 83/NSRS 2007

60 x 16 x 3
ID 35.02B

175 x 20 x 3
12 ft. weir
(See Infiltration Basin Detail)
ID 35.01B

–Y14A– CS Sta. 34+72.36
–Y14A– SC Sta. 33+00.42
–Y14A– SRS Sta. 30+80.42
–Y14A– CS Sta. 28+16.42
–Y14A– POC Sta. 27+74.86
–Y14C– POT Sta. 10+81.18

BEGIN CONSTRUCTION
–Y14A– Sta. 27+20.00

–Y14A– PCC Sta. 27+00.00
–Y14C– PT Sta. 14+14.13
–Y14C– PC Sta. 12+51.59

CLASS 'B' RIP-RAP
EST. 6 TONS
EST. 21 SYGF

CLASS 'B' RIP-RAP
EST. 2 TONS
EST. 7 SYGF

3' LAT. BASE DITCH
SEE DETAIL MHH

3' LAT. BASE DITCH
SEE DETAIL SSSS
CLASS 'I' RAP-RAP
EST. 90 TONS
EST. 130 SYGF

CLASS 'B' RIP-RAP
EST. 2 TONS
EST. 7 SYGF

CLASS 'B' RIP-RAP
EST. 2 TONS
EST. 7 SYGF

DETAIL SSSS
LATERAL BASE DITCH
(Not to Scale)

Natural Ground, 3:1, D, d, B, b, 1':Ft., Fill Slope, GEOTEXTILE

Min. D = 2.0 Ft.
Max. d = 2.0 Ft.
B = 3.0 Ft.
b = 5.0 Ft.

*When B is < 6.0'
Type of Liner = Class 'I' Rip-Rap

FROM –Y14A– STA. 32+00 TO STA. 33+50 LT

DETAIL HHH
LATERAL BASE DITCH
(Not to Scale)

Natural Ground, 3:1, D, B, b, 1':Ft., Fill Slope

Min. D = 2.0 Ft.
B = 3.0 Ft.
b = 5.0 Ft.

FROM –Y14A– STA. 33+50 TO STA. 35+00 LT
FROM –Y14A– STA. 29+00 TO STA. 32+50 LT

–Y14A–		
PIs Sta 20+73.01 Θs = 2° 57' 48.9" Ls = 150.00' LT = 100.01' ST = 50.01'	PI Sta 24+15.37 Δ = 22° 47' 59.2" (LT) D = 3° 57' 05.2" L = 577.00' T = 292.37' R = 1,450.00' SE = SEE PLANS	PI Sta 27+58.26 Δ = 5° 45' 01.5" (LT) D = 4° 56' 21.4" L = 116.42' T = 58.26' R = 1,160.00' SE = SEE PLANS	PIs Sta 29+04.53 Θs = 6° 31' 11.5" Ls = 264.00' LT = 176.12' ST = 88.11'
–Y14A–			**–Y14C–**
PIs Sta 32+27.13 Θs = 4° 20' 47.7" Ls = 220.00' LT = 146.71' ST = 73.37'	PI Sta 33+86.49 Δ = 6° 47' 38.1" (RT) D = 3° 57' 05.2" L = 171.94' T = 86.07' R = 1,450.00' SE = SEE PLANS	PIs Sta 35+45.73 Θs = 4° 20' 47.7" Ls = 220.00' LT = 146.71' ST = 73.37'	PI Sta 13+37.65 Δ = 46° 33' 43.7" (LT) D = 28° 38' 52.4" L = 162.53' T = 86.06' R = 200.00' SE = SEE PLANS

INTERSECTION OF LONGBEACH RD (–Y14A–) AND OLD LONGBEACH RD (–Y14C–)

2015 ADT
2035 ADT

–Y14A–: X 41,600
–Y14C–: X 400, X 700, X 6,000, X 13,300, X 2,800, X 10,000, X 53,300

LIVE OAK VILLAGE SHOPPING CENTER, LLC
DB 1374 PG 415
DB 1139 PG 686

JORDAN & RIDDLE, LLC
DB 1101 PG 88
DB 1176 PG 828
DB 1110 PG 905
DB 638 PG 561
MB P PG 337

N 40° 15' 27.0" E

N 86° 49' 10.7" E

–BY–26

SR 1100 OLD LONGBEACH RD

OAK ISLAND CITY LIMIT

11/23/2018
R-5021_EC_PSH35.dgn
:NTB