5/14/99

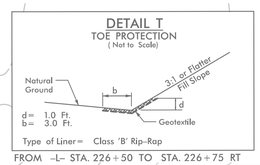
NOTE:
UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS /JURISDICTIONAL AREAS, AND AS DIRECTED

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

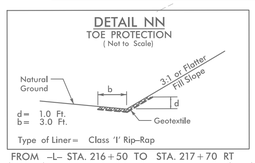
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 16

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

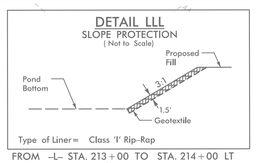
PROJECT REFERENCE NO.	SHEET NO.
R-5021	EC-16/CONST.16
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



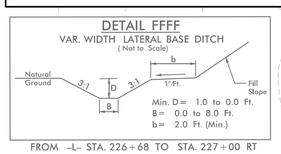
FROM –L– STA. 226+50 TO STA. 226+75 RT



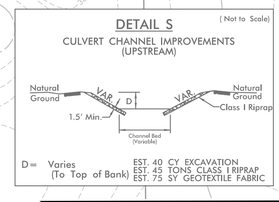
FROM –L– STA. 216+50 TO STA. 217+70 RT

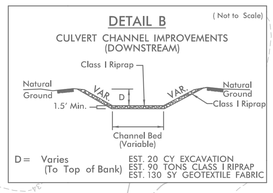


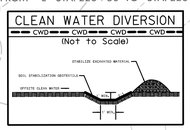
FROM –L– STA. 213+00 TO STA. 214+00 LT



FROM –L– STA. 226+68 TO STA. 227+00 RT







ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

NAD 83/NSRS 2007

MATCH LINE –L– STA 213+00.00
SEE SHEET 15

MATCH LINE –L– STA 227+00.00
SEE SHEET 17

SLOPE PROTECTION SEE DETAIL LLL EST. 85 TONS EST. 150 SYGF

SEDIMENT SHOULD BE REMOVED FROM POND AFTER CONSTRUCTION

CLASS 'I' RIP-RAP EST. 26 TONS EST. 50 SYGF

150 x 75 x 2
2.5 inch Skimmer
with 2.125 inch
Orifice Diameter
43 ft. weir
ID 16.01B

4' LATERAL BASE DITCH SEE DETAIL JJJJ

54 x 22 x 3
4 ft. weir
(See Infiltration
Basin Detail)
ID 16.03B

SPECIAL LAT. 'V' DITCH SEE DETAIL M

POND TO BE TEMPORARILY DRAINED DURING CONSTRUCTION

–L– POT Sta. 217+91.02 =
–Y4– POT Sta. 10+00.00

CLASS 'I' RIP-RAP EST. 33 TONS EST. 62 SYGF

PREFORMED SCOUR HOLE SEE DETAIL SHEET 2D-4

ACCESS BREAK

LATERAL 'V' DITCH SEE DETAIL Y

CLASS 'B' RIP-RAP EST. 5 TONS EST. 12 SYGF

VAR. WIDTH LAT. BASE DITCH SEE DETAIL N

CLASS 'B' RIP-RAP EST. 1 TONS EST. 5 SYGF

CULVERT CHANNEL IMPROVEMENTS (UPSTREAM) SEE DETAIL S

HARBOR DEVELOPMENTS CORP. ET ALS

DOWNEAST INDUSTRIES, INC.

38" HERCP-IV

60" X 38" HERCP-IV

POND

200' EOT BAY TAPER LT

BEGIN SBG STA. 217+39.37 LT.

PROPOSED GUARDRAIL

END SBG STA. 219+98.37 LT.

BEGIN SBG STA. 225+17.64 LT.

PROP. 5' MONOLITHIC CONC. ISLAND (KEYED-IN)

S 74° 30' 32.0" E

15" RCP-IV

1'-6" CURB AND GUTTER

15" W/ 2 ELBOWS

PROPOSED GUARDRAIL

BEGIN SBG STA. 223+49.25 RT.

CULVERT EXTENSION IN GROUND AREA OF HIGH POWER LINES

16" PVC RECLAIMED WATER LINE

2" PLASTIC

BEGIN SBG STA. 214+56.15 RT.

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

VAR. WIDTH LAT. BASE DITCH SEE DETAIL N

END SBG STA. 217+15.15 RT

CLASS 'I' RIP-RAP EST. 26 TONS EST. 50 SYGF

SPECIAL LATERAL 'V' DITCH SEE DETAIL K

SPECIAL 4' LATERAL BASE DITCH SEE DETAIL C

4' LATERAL BASE DITCH SEE DETAIL BBBB

SPECIAL 4' LATERAL BASE DITCH SEE DETAIL C

4' LATERAL BASE DITCH SEE DETAIL Z EST. 130 TONS EST. 250 SYGF

END SBG STA. 223+63.63 RT.

TOE PROTECTION SEE DETAIL T CLASS 'B' RIP-RAP EST. 15 TONS EST. 40 SYGF

CULVERT CHANNEL IMPROVEMENTS (DOWNSTREAM) SEE DETAIL S

CLASS 'B' RIP-RAP EST. 1 TONS EST. 5 SYGF

VAR. WIDTH LAT. BASE DITCH SEE DETAIL FFFF

200' EOT BAY TAPER RT

CLASS 'B' RIP-RAP EST. 5 TONS EST. 12 SYGF

TOE PROTECTION SEE DETAIL NN EST. 60 TONS EST. 135 SYGF

END CONSTRUCTION
–Y4– Sta. 11+25.00

–Y4– POT Sta. 12+49.30

INSTALL TSD TO PROPOSED DITCH DEPTH AND DIMENSIONS.

1.5 inch Skimmer
with 1.125 inch
Orifice Diameter
4 ft. weir with
2.25 ft. weir height
ID 16.02B
(See Earthen Dam
with Skimmer Detail)

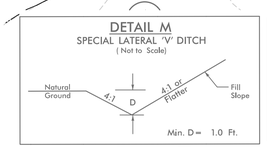
FLOATING TURBIDITY CURTAIN

ROBERT E. MCHENRY, SR. ET UX

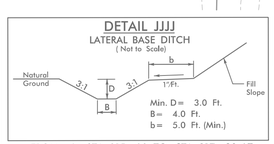
ST JAMES DEVELOPMENT CO., LLC.

ST. JAMES DEVELOPMENT CO., LLC.

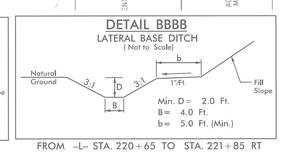
–L–
PI Sta 226+59.46
Δ = 1° 48' 42.9" (RT)
D = 0° 28' 38.9"
L = 379.49'
T = 189.76'
R = 12,000.00'
SF = NC



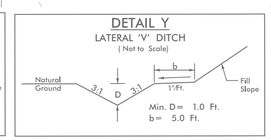
FROM –L– STA. 213+00 TO STA. 213+80 LT



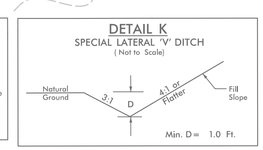
FROM –L– STA. 215+00 TO STA. 217+80 LT



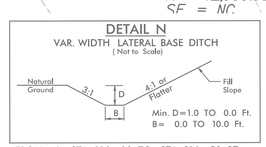
FROM –L– STA. 220+65 TO STA. 221+85 RT



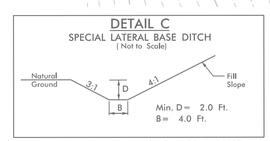
FROM –L– STA. 214+58 TO STA. 216+00 RT
FROM –L– STA. 221+00 TO STA. 225+00 LT



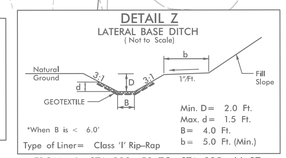
FROM –Y4– STA. 10+95 TO STA. 11+75 LT



FROM –L– STA. 216+00 TO STA. 216+50 RT
FROM –L– STA. 225+00 TO STA. 225+65 LT



FROM –L– STA. 218+30 TO STA. 220+65 RT
FROM –L– STA. 221+85 TO STA. 223+50 RT



FROM –L– STA. 223+50 TO STA. 225+66 RT

11/27/2018
R-5021_EC_PSH16.dgn
HNTB