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.
U-2524D	EC-20/CONST.6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:
SEE SHEET 2B-1 FOR BRIDGE SKETCH
SEE SHEET 2B-2 FOR CURVE DATA
SEE SHEET 16 FOR -L- PROFILE
SEE SHEET 20 FOR -Y6A- PROFILE
SEE SHEET 21 FOR -Y6- PROFILE

MATCH LINE -L- STA 435+00 SEE SHEET 5

MATCH LINE -Y6- STA 28+00 SEE SHEET 12

MATCH LINE -L- STA 449+00 SEE SHEET 7

MATCH LINE SEE SHEET 11

MATCH LINE -Y6- STA 18+00 SEE SHEET 11

DETAIL 6
PIPE OUTLET CHANNEL
(Not to Scale)
Length = 16.0 FT.
d = Top of Bank
-L- STA 440+39 LT

DETAIL FSR
FALSE SUMP
(Not to Scale)
S = Ditch Slope
℄ Proposed Ditch
-L- 442+25 RT
-L- 443+00 RT
-L- 444+00 RT
-L- 448+08 RT

DETAIL FSM
FALSE SUMP
(Not to Scale)
S = Ditch Slope
℄ Proposed Ditch
-L- 442+00 M
444+00 M

Ditch Grade	L	Ditch Grade	L
0.0% To 2.0%	20'	Over 4.0% To 6.0%	40'
Over 2.0% To 4.0%	30'	Over 6.0%	50'

DETAIL 35
SPECIAL CUT DITCH
(Not to Scale)
Min. D = 1.0 Ft.
FROM -L- STA. 443+00 TO STA. 444+00 RT

DETAIL 5
CONCRETE DITCH BEHIND RETAINING WALL
(Not to Scale)
D = 1.0'
B = 1.0'
FROM -L- STA. 435+00 TO STA. 442+00 RT

DETAIL 38
HAZARDOUS SPILL BASIN
(Not to Scale)
FROM -L- STA. 443+75 TO STA. 446+00 LT

UTILIZE HAZARDOUS SPILL BASIN(S) AS SKIMMER BASIN DURING CONSTRUCTION.

3.0 inch Skimmer with 2.625 inch Orifice Diameter ID 6.5

CLASS 'I' RIP-RAP
EST. 26 TONS
EST. 50 SYGF
(NO RIP-RAP IS TO BE PLACED IN STREAM BED)
SEE DETAIL 8

TOE PROTECTION
SEE DETAIL 8
EST. 2 TONS
EST. 1 SYGF

DETAIL 8
TOE PROTECTION
(Not to Scale)
Type of Liner = Class 'B' Rip-Rap
-L- 440+40 to 441+00 LT.

DETAIL FSL
FALSE SUMP
(Not to Scale)
S = Ditch Slope
℄ Proposed Ditch
-L- 441+50 LT

70 x 20 x 2
Qty:2 ID 6.4

Place Matting for Erosion Control on Slope as Work Allows.
-L- 438+75 LT. to -L- 439+50 LT.
-L- 440+00 LT. to -L- 441+00 LT.
-Y6- 20+50 LT. to -Y6- 24+00 LT.

UTILIZE FABRIC INSERT INLET PROTECTION DEVICE IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE 'C' TO AVOID IMPOUNDING RUNOFF ON ROADWAY OPEN TO PUBLIC AND AS DIRECTED.

INSTALL MATTING FOR EROSION CONTROL IN PROPOSED DITCH LINES. (SEE MATTING SUMMARY)

END BRIDGE
STA.26+28 +/- -Y6-

BEGIN BRIDGE
STA.24+10 +/- -Y6-

END NOISE WALL 3
-L- STA. 445+70.17, 223.21' LT

POS STA.447+12.23 -L-
POT STA.25+18.62 -Y6-

POC STA.20+76.58 -Y6-
POT STA.10+00.00 -Y6A-

END RETAINING WALL 4
STA. 442+00, 102.5' RT.

POS STA.15+27.96 -Y6-

END CONST.
-Y6A- 15+25.00
EXIST.

PROPOSED NOISE WALL 3

PROPOSED SINGLE-FACED CONCRETE BARRIER

PROPOSED WALL 3

PROPOSED GUARDRAIL

PROPOSED RETAINING WALL 4 (SOIL NAIL)

PROPOSED RETAINING WALL 5 (SOIL NAIL)

REMOVE 40' OF EXISTING 15" RCP

10:1 ACCELERATION LANE

300' TAPER

200' TAPER

WOODLAND VILLAGE CONDO ASSOCIATION
DB 3459 PG 1398

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DB 5311 PG 1563
PB 150 PG 022

CITY OF GREENSBORO
DB 6033 PG IL

COTSWOLD PARK, LLC
DB 5432 PG 0324
DB 5436 PG 0320

JOHN KAVANAGH CO.
DB 5299 PG 1476
DB 5299 PG 1519
PB 7 PG 53

JOHN KAVANAGH COMPANY
DB 5299 PG 1476
PB 007 PG 053

KAVANAGH ASSOCIATES INC.

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DB 5193 PG 1105

NCDOT

COTSWOLD TERRACE

ACCESS ROAD

HAZARDOUS SPILL BASIN #2
SEE DETAIL 38

OBLITERATE & REMOVE

REMOVE & REPLACE OTCB 2'-6"C&G

BEGIN C.L. FENCE

END FENCE

OPEN YARD

SPECIAL GRADING
SEE X-SECTIONS
△ = 130°56' 11.94"

TIE TO EXIST C&G

CRITICAL AREA LIMIT

NAD 83

10:13:36 AM
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