DocuSign Envelope ID: CA30FA55-050B-4138-BAEA-68BE72F4246F

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

PROJECT REFERENCE NO. U-2524D | SHEET NO. 6
R/W SHEET NO.

PLANS PREPARED BY :
PARSONS
RALEIGH, NORTH CAROLINA, (919) 854-1345
NC LICENSE NO. F-0246
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

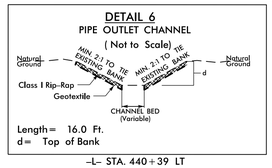
ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 23874 ENGINEER TIMOTHY D. COLLINS
6/24/2016

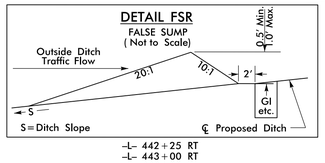
HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 15764 ENGINEER JAMES A. BEARD
6/24/2016

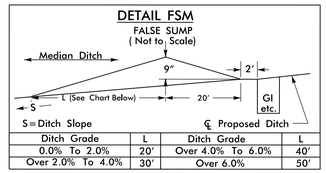
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

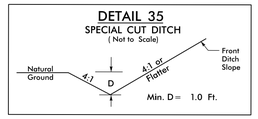
REVISIONS 8/17/99



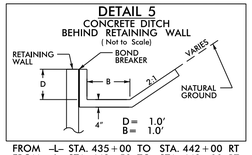




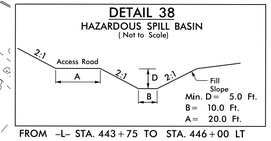
Ditch Grade	L	Ditch Grade	L
0.0% To 2.0%	20'	Over 4.0% To 6.0%	40'
Over 2.0% To 4.0%	30'	Over 6.0%	50'



FROM -L- STA. 443+00 TO STA. 444+00 RT

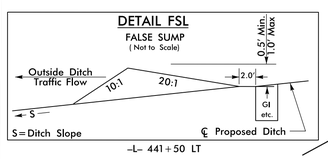


FROM -L- STA. 435+00 TO STA. 442+00 RT
FROM -L- STA. 448+50 TO STA. 449+00 RT



FROM -L- STA. 443+75 TO STA. 446+00 LT

-L- 440+40 to 441+00 LT.



-L- 441+50 LT

65,756 / 98,793	3,922 / 4,731	65,793 / 98,793
GREENSBORO	COTSWOLD AVE.	WESTERN LOOP
20.16 ADT 2036 ADT	3,922 / 4,731	

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

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

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

MATCH LINE SEE SHEET 11

MATCH LINE SEE SHEET -Y6- STA 18+00

NAD 83

CITY OF GREENSBORO DB 6033 PG 11

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

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DB 5193 PG 1105

WOODLAND VILLAGE CONDO ASSOCIATION DB 3459 PG 1398

COTSWOLD PARK, LLC DB 5432 PG 0324 DB 5432 PG 0320 PB 150 PG 021

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

JOHN KAVANAGH ASSOCIATES IN DB 5299 PG 1476 DB 5299 PG 1519 PB 7 PG 53

NCDOT

PROPOSED NOISE WALL 3

PROPOSED SINGLE-FACED CONCRETE BARRIER

PROPOSED NOISE WALL 3

CLASS 'I' RIP-RAP EST. 26 TONS EST. 50 SYGF (NO RIP-RAP IS TO BE PLACED IN STREAM BED) SEE DETAIL 6

TOE PROTECTION SEE DETAIL 8 EST 15 TONS EST. 50 SYGF

END W.W. FENCE BEGIN C.L. FENCE

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

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

PROPOSED RETAINING WALL 13

PROPOSED GUARDRAIL

ACCESS ROAD

CLASS 'B' RIP-RAP EST. 5 TONS EST. 14 SYGF

PROP. C.L. FENCE WITH GATE STA. 446+93 +/- -L- LT

END BRIDGE STA.26+29.62 -Y6-

MEDIAN HAZARD PROTECTION SEE DETAIL SHEET 2C-8

END C.L. FENCE

BEGIN EXPWY. GUTTER STA. 442+38 LT.

HW W/ SLUICE GATE CLASS 'B' RIP-RAP EST. 2 TONS EST. 7 SYGF

HAZARDOUS SPILL BASIN #2 SEE DETAIL 38 EST. 6650 CY DDE

END EXPWY. GUTTER STA. 446+83 LT.

SPECIAL GRADING SEE X-SECTIONS

PROPOSED RETAINING WALL 12

PROPOSED RETAINING WALL 5 (SOIL NAIL)

PROPOSED RETAINING WALL 4 (SOIL NAIL)

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

SPECIAL CUT DITCH SEE DETAIL 35

ADJUST MH

OBLITERATE & REMOVE

REMOVE & REPLACE OTCB

BEGIN BRIDGE STA.24+10.12 -Y6-

END CONST. 15+25.00 -Y6A- EXIST.

TIE TO EXIST. C&G

CONC. DITCH BEHIND RETAINING WALL SEE DETAIL 5

REMOVE 40' OF EXISTING 15" RCP

1044' ACCELERATION LANE

300' TAPER

200' TAPER

5' CONC. SIDEWALK

2'-6" C&G

S 79°05'49.7" E

N 71°44'24.5" E

S 77°33'45.6" E

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

PC Sta 19+69.14

PC Sta 10+38.50 -Y6A-

PT Sta 23+24.96 -Y6-

PT Sta 14+10.07 -Y6A-

POT Sta 15+33.17 -Y6A-

TS Sta. 444+14.14 -L-

SC Sta. 446+34.14 -L-

CS Sta. 447+49.07 -L-

R = 40'

R = 80'

DESIGN YEAR 2036 ADT 20,200 VPD
DESIGN HOUR VOLUME 1,818 VPH
K = 9.0 %
D = 55 % T = 4 %
V = 45 MPH

24-JUN-2016 11:05
U-2524D_RDY_PSH_06.dgn
$$$$USERNAME$$$$