PROJECT REFERENCE NO.	SHEET NO.
B-0041	EC-09/CONST.06
R/W SHEET NO.	

-Y-

PI Sta 26+67.93
Δ = 7° 37' 47.9" (LT)
D = 0° 28' 38.9"
L = 1,598.02'
T = 800.19'
R = 12,000.00'
e = 0.02 FT/FT
R.O. = 98'

PIs Sta 35+32.42
θs = 0° 28' 38.9"
Ls = 200.00'
LT = 133.33'
ST = 66.67'

NOTE: STRUCTURES 0601 AND 0604 ARE 4GI

NAD 83 /NA 2011

THE INVESTMENT GROUP OF NC, LLC
DB 1533 PG 781

CS Sta. 34+65.75

ST Sta. 36+65.75

POT Sta. 37+96.85

EST. 3 TON CL B RIP RAP
EST. 10 SY GEOTEXTILE

OUTLET STABILIZATION
EST. 19 TONS CLASS I RIP RAP
EST. 27 SY GEOTEXTILE
SEE DETAIL 12

END CONSTRUCTION
-Y- POC STA 30+84.71

N 7° 58' 09.3" E

TO NC 14

SEE SHEET EC-08
MATCHLINE -Y- 24+40

FUTURE LANE BY OTHERS
REMOVE
REMOVE CONCRETE
49' INC (TYP)
FLOWABLE FILL
12' PS
4' PS
RETAIN
18" RCP-IV
18" RCP
30" RCP
REMOVE
EXIST
12' PS
FUTURE LANE BY OTHERS
FLOWABLE FILL
REMOVE CONCRETE
REMOVE
+5000 BEGIN TAPER END SPECIAL MEDIAN GRADING
150' LANE SHIFT TAPER
+0000 END TAPER
SPECIAL CUT DITCH SEE DETAIL 7
18" WELDED STEEL TRENCHLESS INSTALLATION

US 29 RAMP 22' BST
US 29 SB 37.5' BST
US 29 SB 45' BST
US 29 SB 38' BST
US 29 NB 38' BST
US 29 NB 42.5' BST
US 29 RAMP 18' BST
60'CHL
72'CHL
EXISTING R/W
5' CURB
CONC ISL
CONC HW
CONC
6" RUBBER MATERIAL PIPE END NOT FOUND
RIP RAP
GR
DB 1285 PG 21
ROCKINGHAM COUNTY

DETAIL 4
FALSE SUMP
(Not to Scale)
Outside Ditch Traffic Flow
20:1
10:1
2'
0.5' Min. 1.0' Max.
GI etc.
S = Ditch Slope
℄ Proposed Ditch
FROM -Y- STA. 25+83 LT TO -Y- STA. 26+23 LT

DETAIL 7
SPECIAL CUT DITCH
(Not to Scale)
Natural Ground
4:1 or Flatter
D
6:1 or Flatter
Front Ditch Slope
Min. D = 1 Ft.
FROM -Y- STA. 25+50 RT TO -Y- STA. 26+09 RT

DETAIL 9
FALSE SUMP
(Not to Scale)
Outside Ditch Traffic Flow
10:1
20:1
2.0'
0.5' Min. 1.0' Max.
GI etc.
S = Ditch Slope
℄ Proposed Ditch
FROM -Y- STA. 26+15 RT TO -Y- STA. 26+45 RT

DETAIL 12
OUTLET STABILIZATION
(Not to Scale)
Natural Ground
Natural Bed Elevation
1.5'
Geotextile
Channel Bed (Variable)
Length = 12 Ft.
Type of Liner = CL I Rip-Rap - Keyed-In
-Y- STA. 30+81 LT

5/14/99
J:\6541_PH\581577-NCDOT_B-0041\900-CAD GIS\910_CADD\70_NCDOT_TIP\Erosion Control\Design\230_BR0041_EC_PSH09_FG.dgn
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