PROJECT REFERENCE NO.	SHEET NO.
W-5203W	EC-05/CONST.05
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 05

-Y2- POT Sta. 14+51.45

-Y2-
PI Sta 11+77.34
Δ = 5° 26' 04.1" (RT)
D = 2° 03' 18.3"
L = 264.44'
T = 132.32'
R = 2,788.00'

-Y2- PT Sta. 13+09.46

NC GRID
NAD 83 NA 2011

N 11° 56' 34.0" E

CHARLES F. RIGGS, ET UX
DB 4199 PG 927
PB 50 PG 46

WOODROW JON HUMPHREY
LIFE ESTATE
DB 1097 PG 670

FRANK L. COLLINS, ET UX
DB 285 PG 607

W.R. WILLIS RENTALS LLC
DB 2894 PG 229

RUSSELL G. KELLUM
DB 722 PG 328

JIMMY R. DAMIANO
DB 4077 PG 485

BOBBY R. MORTON, ET UX
DB 384 PG 260

BOBBY R. MORTON, ET UX
DB 425 PG 590
PB 36 PG 153

WOODROW HUMPHREY HEIRS
DB 367 PG 76
PB 32 PG 46

RENA M. KELLUM
HEIRS
DB 435 PG 395

EDWARD E. BROWN, ET UX
DB 2155 PG 563
PB 32 PG 46

END PAVED SHOULDER
END OVERLAY LT & RT
-L- STA.11+72.00

Sta.	= 26+50 -L-1
Q10	= 2.45 cfs
V	= 1.67 fps
d	= 0.50 ft.
s	= 1.0%
n	= 0.035
Liner	= Grass

-Y2- PC Sta. 10+45.02

-L- POT Sta. 26+10.59 =
-Y1- POT Sta. 14+94.89
-Y2- POT Sta. 10+00.00

BEGIN PAVED SHOULDER
-L- STA.24+65.80

SPECIAL CUT DITCH
SEE DETAIL B

24" RCP-IV
COLLAR & EXTEND
15" RCP-IV
24" RCP-IV
CL B RIP RAP
2 TONS
7 SY GEOTEXTILE
18" RCP
FAIR CONDITION
JB
W/MH

RETAIN
15" RCP
FAIR CONDITION

REMOVE AND REPLACE
EXISTING CONCRETE
ISLAND

MEDIAN 'V' DITCH
SEE DETAIL A

±59.43 -L-
23.40 LT.

530' STORAGE LENGTH

Sta.	= 25+50 MD
Q10	= 2.01 cfs
V	= 1.62 fps
d	= 0.47 ft
s	= 1.3%
n	= 0.035
Liner	= Grass

Sta.	= 31+50 MD
Q10	= 5.51 cfs
V	= 1.78 fps
d	= 0.72 ft.
s	= 0.7%
n	= 0.035
Liner	= Grass

Sta.	= 31+50 MD
Q10	= 2.44 cfs
V	= 3.73 fps
d	= 0.33 ft.
s	= 8.8%
n	= 0.035
Liner	= Temp. EC Matting

MEDIAN V DITCH
SEE DETAIL C

EX DI
FAIR CONDITION
RIM = 41.42'

MEDIAN V DITCH
SEE DETAIL A

24" RCP
FAIR CONDITION

COLLAR AND
EXTEND

+45.49 -L-
22.69 RT.

END PAVED SHOULDER
-L- STA.27+45.49
50.98 RT.

-L- TS Sta. 27+02.49

-L- SC Sta. 29+82.49

-Y1- PT Sta. 13+98.31

REMOVE AND REPLACE
EXISTING CONCRETE
ISLAND

BEGIN PAVED SHOULDER
-Y1- STA.13+39.00
BEGIN OVERLAY LT & RT
-Y1- STA.13+24.00

-Y1- PC Sta. 12+10.22

N 19° 39' 02.8" E

200' TAPER

CL B RIP RAP
3 TONS
10 SY GEOTEXTILE

15" RCP
FAIR CONDITION
RETAIN

18" RCP-IV
REMOVE

18" RCP-IV

EX DI
FAIR CONDITION
RIM = 40.60'

COLLAR

MEDIAN V DITCH
SEE DETAIL D

+45.02 -L-
23.16 RT.

-L- CS Sta. 32+18.09

-L- ST Sta. 34+98.07

N 67° 11' 24.9" E

-L- TS Sta. 35+11.21

530' STORAGE LANE

MATCHLINE -L- STA. 23+00
SEE SHEET 4

MATCHLINE -L- STA. 37+00
SEE SHEET 6

DETAIL A
MEDIAN V DITCH
(Not to Scale)

Shoulder Point — 4:1 or Flatter — 4:1 or Flatter — Shoulder Point

FROM STA. 22+00 TO STA. 25+50

DETAIL B
SPECIAL CUT DITCH
(Not to Scale)

Natural Ground — 4:1 — D — 4:1 — Front Ditch Slope

Min. D=1.5 Ft.

FROM -L- STA. 25+00 TO STA. 26+75 LT
FROM -L- STA. 26+25 TO STA. 26+50 LT
FROM -L- STA. 37+50 TO STA. 39+50 LT

DETAIL C
MEDIAN V DITCH
(Not to Scale)

Shoulder Point — 4:1 — 5:1 — Shoulder Point

FROM STA. 27+00 TO STA. 27+50

DETAIL D
MEDIAN V DITCH
(Not to Scale)

Shoulder Point — 6:1 — 5:1 — Shoulder Point

FROM STA. 34+00 TO STA. 34+50

-Y1-
PI Sta 13+04.68
Δ = 13° 08' 32.9" (LT)
D = 6° 59' 14.2"
L = 188.09'
T = 94.46'
R = 820.00'

-L-
PIs Sta 28+89.16
Θs = 1° 21' 34.4"
Ls = 280.00'
LT = 186.67'
ST = 93.34'

PI Sta 31+00.30
Δ = 2° 17' 16.7" (RT)
D = 0° 58' 16.0"
L = 235.60'
T = 117.82'
R = 5,900.00'

PIs Sta 33+11.42
Θs = 1° 21' 34.1"
Ls = 279.98'
LT = 186.66'
ST = 93.33'

PIs Sta 36+97.88
Θs = 1° 21' 34.4"
Ls = 280.00'
LT = 186.67'
ST = 93.34'

PI Sta 39+08.07
Δ = 2° 16' 09.9" (LT)
D = 0° 58' 16.0"
L = 233.69'
T = 116.86'
R = 5,900.00'

PIs Sta 41+18.24
Θs = 1° 21' 34.1"
Ls = 279.98'
LT = 186.66'
ST = 93.33'

NOTE:
FOR -L- PROFILE SEE
SHEETS 7,8,9 AND 10
FOR MONOLITHIC ISLAND
DETAIL SEE SHEET 2A

REVISIONS

8/17/99

3/28/2016
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ekeris