PROJECT REFERENCE NO.	SHEET NO.
R-5742	EC-26/CONST.-06
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/95

-L-
PI Sta 35+47.44
Δ = 19° 19' 05.9" (RT)
D = 2° 56' 17.7"
L = 657.48'
T = 331.89'
R = 1,950.00'
SE = 0.06
V = 50 mph

PI Sta 47+63.23
Δ = 52° 16' 18.8" (RT)
D = 3° 27' 43.1"
L = 1,509.88'
T = 812.06'
R = 1,655.00'
SE = 0.06
V = 50 mph

-Y4-
PI Sta 10+99.32
Δ = 51° 04' 02.7" (RT)
D = 38° 11' 49.9"
L = 133.69'
T = 71.65'
R = 150.00'

-DR3-
PI Sta 10+66.46
Δ = 27° 19' 18.7" (RT)
D = 38° 11' 49.9"
L = 71.53'
T = 36.46'
R = 150.00'

DETAIL A
SPECIAL CUT DITCH
(Not to Scale)
Natural Ground, 2:1, d, D, 4:1 or Flatter, Front Ditch Slope, Geotextile
Type of Liner= Class B Rip-Rap
Min. D=2.0 Ft.
Max. d=2.0 Ft.
-L- STA. 35+50 TO STA. 37+00 LT

DETAIL B
SPECIAL CUT DITCH
(Not to Scale)
Natural Ground, 2:1, D, 4:1 or Flatter, Front Ditch Slope
Min. D= 1.0 Ft.
-L- STA. 43+00 TO STA. 44+91 RT
-L- STA. 45+52 TO STA. 47+50 RT

-DR3- POT Sta. 10+00.00
-DR3- PC Sta. 10+30.00
-DR3- PT Sta. 11+01.53
-Y3- POT Sta. 10+00.00 =
-L- POC Sta. 44+94.97
-Y4- POT Sta. 10+00.00
-Y4- PC Sta. 10+27.66
BEGIN CONSTRUCTION
-Y4- POC Sta. 10+64.00
BEGIN CONSTRUCTION
-DR3- POT Sta. 10+50.00
BEGIN CONSTRUCTION
-DR2- POT Sta. 10+26.00
-DR2- POT Sta. 10+00.00
-L- PT Sta. 39+55.96 BK =
-L- PC Sta. 39+51.17 AH
-L- PT Sta. 38+73.02
-DR2- POT Sta. 11+16.68 =
-L- POC Sta. 38+02.26
-DR3- POT Sta. 11+14.64=
-L- POC Sta. 44+62.69
-Y3- POT Sta. 11+28.19
END CONSTRUCTION
-Y3- POT Sta. 11+25.00
-Y4- PT Sta. 11+61.36
-Y4- POT Sta. 11+72.46 =
-L- POC Sta. 49+23.09
MATCHLINE -L- STA. 36+50
SEE SHEET 5
MATCHLINE -L- STA. 50+50
SEE SHEET 7

10A EVERETT SHARON HOGSED FIRST TRACT DB 311 PG 15
13 SHARON HOGSED EVERETT PARCEL = 16838 DB 311 PG 15
14 JAMES D. HOGSED PARCEL = 15824 DB 299 PG 11
15 SCHRADER DRAKE, LLC DB 393 PG 50
16C JAMES MITCHELL NICHOLS PARCEL #2709 DB 153 PG 92
17 JOYCE GALLOWAY CURTIS FARRELL M. CURTIS PARCEL = 2138 DB 316 PG 172
16B JAMES MITCHELL NICHOLS PARCEL #2709 DB 153 PG 92
15 DAVID H. REEVES LESA M. REEVES PARCEL = 13888 DB 199 PG 142
15 DAVID H. REEVES LESA M. REEVES PARCEL = 1924 FIRST TRACT DB 199 PG 142
11 WADE M. HOGSED PARCEL = 2245 DB 299 PG 12
TVA FLOWAGE EASEMENT DB 36 PG 371

52 TONS CL I RIPRAP W/100 SY GEO FAB ON BANKS ONLY
2 TONS CL B RIPRAP W/7 SY GEO FAB CUT/FILL TRANSITION
SPECIAL CUT DITCH SEE DETAIL A
STREAM PLUG SEE DETAIL P
STANDARD BASE DITCH SEE DETAIL K
+75.00 TOE PROTECTION 70.00' RT SEE DETAIL I
79 TONS CL B RIPRAP W/209 SY GEO FAB
SPECIAL CUT DITCH SEE DETAIL B
+75.00 EXIST. R/W
150' TAPER
125'
57 TONS CL I RIPRAP W/104 SY GEO FAB
LATERAL BASE DITCH SEE DETAIL F
LATERAL BASE DITCH SEE DETAIL E
30 TONS CL B RIPRAP W/75 SY GEO FAB
TOTAL DDE = 154 CY
15 TONS CL I RIPRAP W/30 SY GEO FAB
LATERAL BASE DITCH SEE DETAIL E
3 TONS CL B RIPRAP W/10 SY GEO FAB
SPECIAL CUT DITCH SEE DETAIL B
LATERAL BASE DITCH SEE DETAIL E
TOTAL DDE = 323 CY
LATERAL BASE DITCH SEE DETAIL U
77 TONS CL I RIPRAP W/159 SY GEO FAB
275' TRANSITION
50' TAPER
50 x 25 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
4 ft. weir
ID 6-1

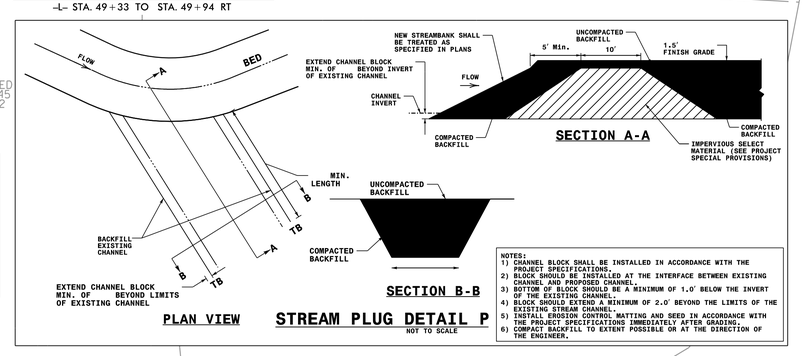
DETAIL E
LATERAL BASE DITCH
(Not to Scale)
Natural Ground, 2:1, D, 2:1, b, 1'-Ft., B, Fill Slope
Min. D= 2.0 Ft.
B= 4.0 Ft.
b= 5.0 Ft.
-L- STA. 47+98 TO STA. 48+38 LT
-L- STA. 47+50 TO STA. 49+33 RT
-L- STA. 49+71 TO STA. 52+50 LT
-L- STA. 47+98 TO STA. 48+38 LT EST. 154 CY DDE
-L- STA. 47+50 TO STA. 49+33 RT EST. 323 CY DDE
-L- STA. 49+71 TO STA. 52+50 LT EST. 353 CY DDE

DETAIL U
LATERAL BASE DITCH
(Not to Scale)
Natural Ground, 2:1, d, D, 2:1, b, 1'-Ft., B, Fill Slope, CLASS I JUTE
Min. D= 2.0 Ft.
Max. d= 2.0 Ft.
B= 4.0 Ft.
b= 5.0Ft.
*When B is < 6.0'
Type of Liner= CLASS I ON BANKS, JUTE MAT IN BASE
-L- STA. 49+33 TO STA. 49+94 RT

DETAIL F
LATERAL BASE DITCH
(Not to Scale)
Natural Ground, 2:1, d, D, 2:1, b, 1'-Ft., B, Fill Slope, GEOTEXTILE
Min. D= 2.0 Ft.
Max. d= 2.0 Ft.
B= 4.0 Ft.
b= 5.0Ft.
*When B is < 6.0'
Type of Liner= CLASS B RIP RAP
-L- STA. 48+38 TO STA. 48+78 LT

DETAIL I
TOE PROTECTION
(Not to Scale)
Natural Ground, b, 2:1 or Flatter, Fill Slope, d, Geotextile
d= 2Ft.
b= 4Ft.
Type of Liner= CLASS B Rip-Rap
-L- STA. 41+55 TO STA. 43+00 RT

DETAIL K
STANDARD BASE DITCH
(Not to Scale)
Natural Ground, 2:1, D, 2:1, Natural Ground, B
Min. D= 3.0 Ft.
B= 5.0 Ft.
-L- STA. 41+45 RT, L=70', S=0.34%
BEG. ELEV=1924.31, END ELEV=1924.07



STREAM PLUG DETAIL P
NOT TO SCALE

NOTES:
1) CHANNEL BLOCK SHALL BE INSTALLED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
2) BLOCK SHOULD BE INSTALLED AT THE INTERFACE BETWEEN EXISTING CHANNEL AND PROPOSED CHANNEL.
3) BOTTOM OF BLOCK SHOULD BE A MINIMUM OF 1.0' BELOW THE INVERT OF THE EXISTING CHANNEL.
4) BLOCK SHOULD EXTEND A MINIMUM OF 2.0' BEYOND THE LIMITS OF THE EXISTING STREAM CHANNEL.
5) INSTALL EROSION CONTROL MATTING AND SEED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS IMMEDIATELY AFTER GRADING.
6) COMPACT BACKFILL TO EXTENT POSSIBLE OR AT THE DIRECTION OF THE ENGINEER.

PAVEMENT REMOVAL

FOR -L- PROFILE SEE SHTS. 20 & 21
FOR -Y3- & -Y4- PROFILES SEE SHT. 30
FOR -DR2- & -DR3- PROFILES SEE SHT. 28
FOR -DET_1- PLAN/PROFILE SEE SHT. 2B-1

NOTE: ALL DRIVEWAY WIDTHS ARE 16' UNLESS OTHERWISE NOTED.
ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED.

PLANS PREPARED BY :
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8/17/99
12/21/2018
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