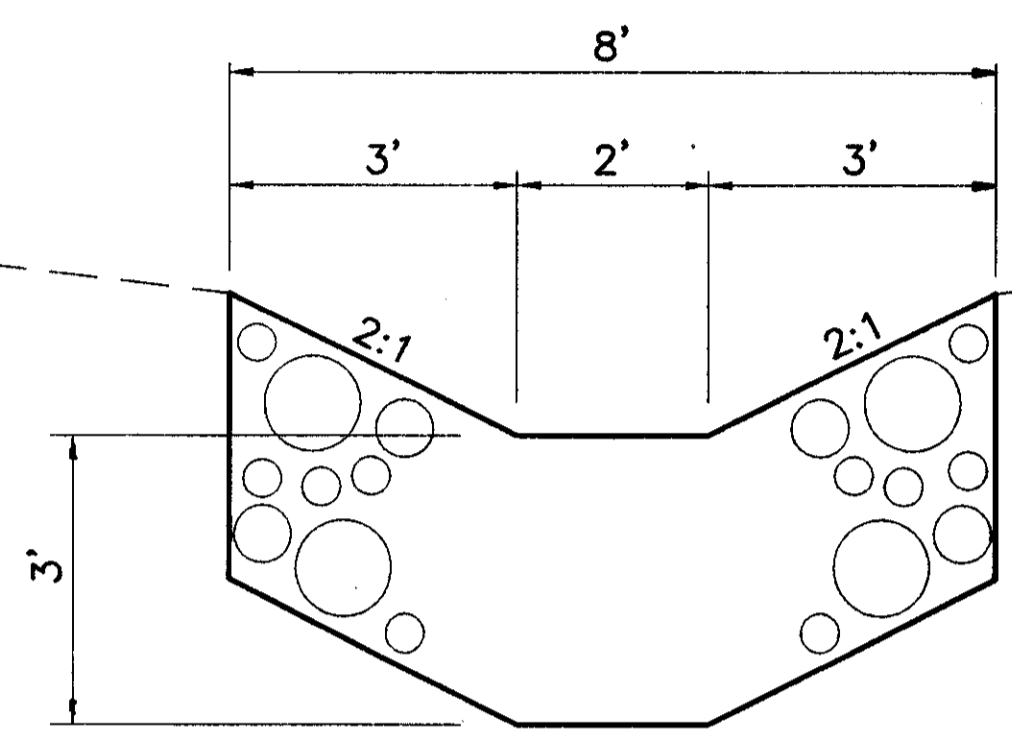
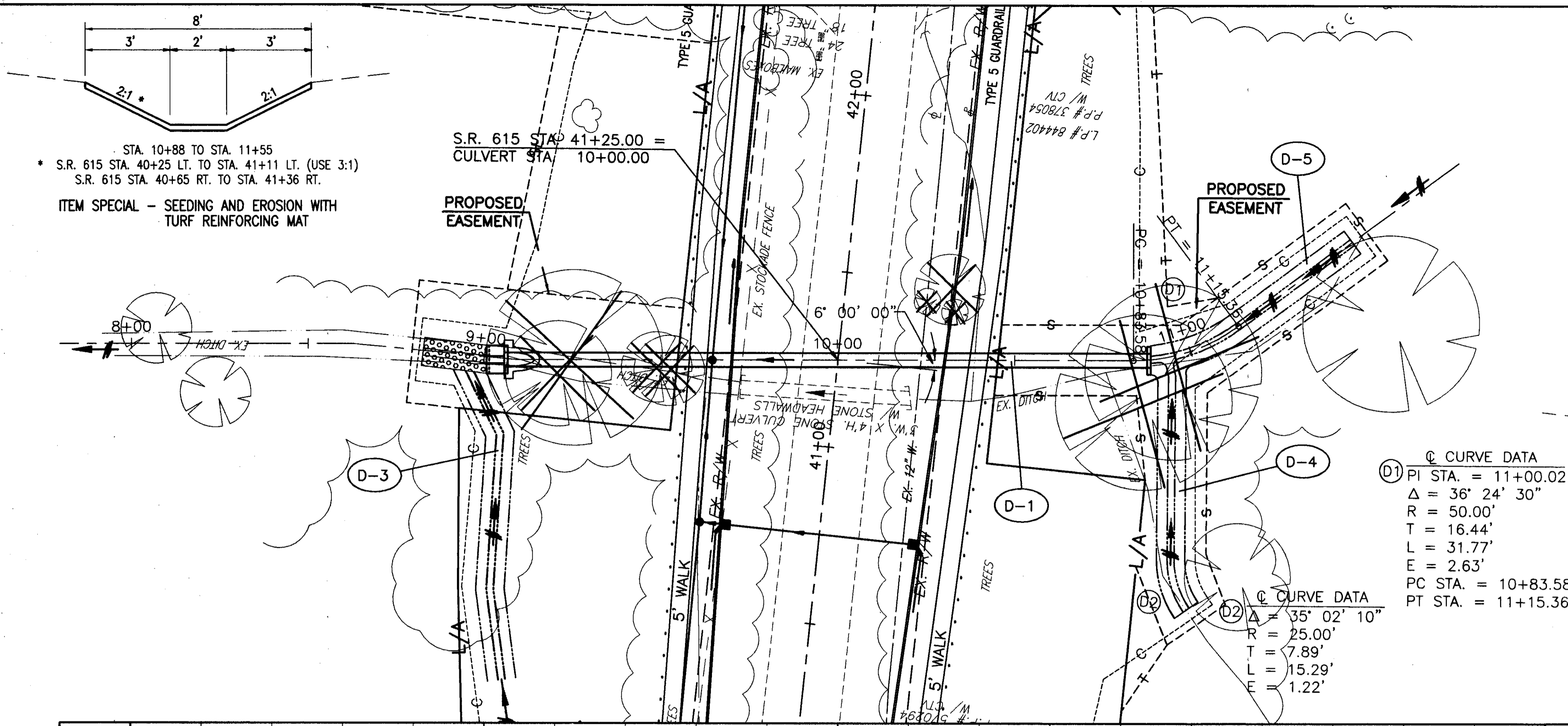


PROPOSED STRUCTURE DATA	
TYPE	= 48" CONDUIT, TYPE A, 706.02
DRAINAGE AREA	= 76.4 ACRES
Q ₂₅	= 76 CFS
Q ₁₀₀	= 108 CFS
HW ₂₅	= 747.65
HW ₁₀₀	= 748.83
V ₂₅	= 11.25 FPS
V ₁₀₀	= 12.50 FPS

EXISTING STRUCTURE DATA	
TYPE	= STONE BOX W/ STONE HEADWALLS
SIZE	= 3' W X 4' H BOX
ALIGNMENT	= TANGENT



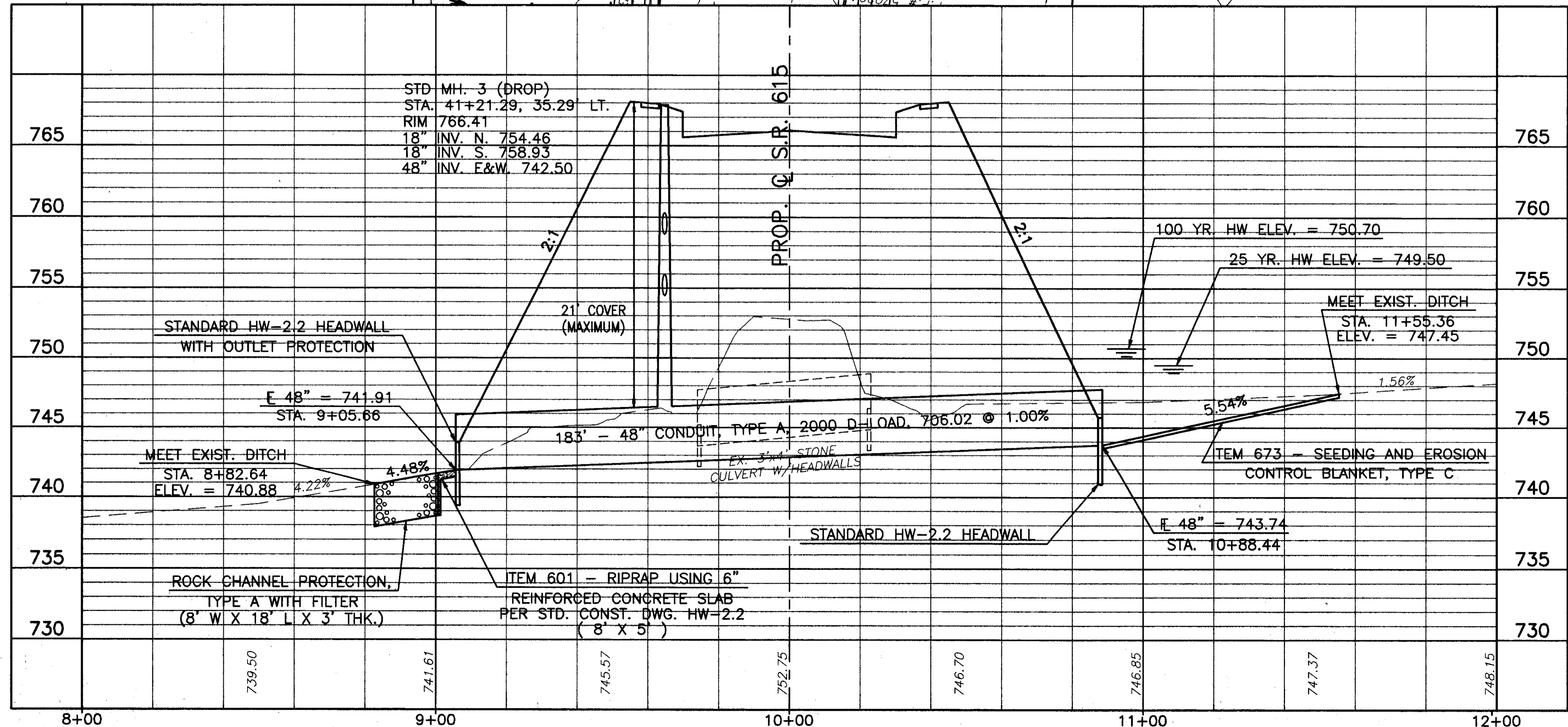
STA. 8+82.64 TO STA. 9+00.64
ITEM 601 - ROCK CHANNEL PROTECTION
 TYPE A, WITH FILTER
 AS PER STD. DWG. HW-2.2



Q CURVE DATA

D1
 PI STA. = 11+00.02
 Δ = 36° 24' 30"
 R = 50.00'
 T = 16.44'
 L = 31.77'
 E = 2.63'
 PC STA. = 10+83.58
 PT STA. = 11+15.36

D2
 Δ = 35° 02' 10"
 R = 25.00'
 T = 7.89'
 L = 15.29'
 E = 1.22'



SPECIAL	DESCRIPTION	SO. YD.	CUL. YD.	CUL. LIN. FT.	UN. FT.	SO. YD.	SO. YD.
603	SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT	4.50	16.0	2.18	183	58.7	80.0
601	48" CONDUIT, TYPE A, 706.02, 2000 D-LOAD, AS PER PLAN	4.50	16.0	2.18	183	62.3	201.0
602	CONCRETE MASONRY	4.50	16.0	2.18	183		
601	ROCK CHANNEL PROTECTION, TYPE A WITH FILTER	4.50	16.0	2.18	183		
601	RIPRAP 6" REINFORCED CONCRETE SLAB	4.50	16.0	2.18	183		
TOTALS		4.50	16.0	2.18	183		

REF	LOCATION
D-1	STA. 9+05.66 TO STA. 10+88.44
D-2	STA. 10+88 TO STA. 11+55
D-3	STA. 40+25 TO STA. 41+11, LT. (S.R. 615)
D-4	STA. 40+65 TO STA. 41+36, RT. (S.R. 615)

STA. 10+88 TO STA. 11+55
 * S.R. 615 STA. 40+25 LT. TO STA. 41+11 LT. (USE 3:1)
 S.R. 615 STA. 40+65 RT. TO STA. 41+36 RT.

ITEM SPECIAL - SEEDING AND EROSION WITH TURF REINFORCING MAT

PROPOSED EASEMENT

PROPOSED EASEMENT

PROP. Q S.R. 615

STD. MH. 3 (DROP)
 STA. 41+21.29, 35.29 LT.
 RIM 766.41
 18" INV. N. 754.46
 18" INV. S. 758.93
 48" INV. F&W. 742.50

STANDARD HW-2.2 HEADWALL WITH OUTLET PROTECTION

2:1 COVER (MAXIMUM)

100 YR. HW ELEV. = 750.70

25 YR. HW ELEV. = 749.50

MEET EXIST. DITCH
 STA. 11+55.36
 ELEV. = 747.45

E 48" = 741.91
 STA. 9+05.66

MEET EXIST. DITCH
 STA. 8+82.64
 ELEV. = 740.88

183' - 48" CONDUIT, TYPE A, 2000 D-LOAD, 706.02 @ 1.00%

ITEM 673 - SEEDING AND EROSION CONTROL BLANKET, TYPE C

STANDARD HW-2.2 HEADWALL

E 48" = 743.74
 STA. 10+88.44

ROCK CHANNEL PROTECTION, TYPE A WITH FILTER (8' W X 18' L X 3' THK.)

ITEM 601 - RIPRAP USING 6" REINFORCED CONCRETE SLAB PER STD. CONST. DWG. HW-2.2 (8' X 5')

H:\CT\97125\SDSK\7125D701.DWG - PLOT SCALE = 1 : 1

CULVERT DETAIL
 PLAN AND PROFILE STA. 41+25

LAK-IR90/SR615-9.26/1.51

266
 393