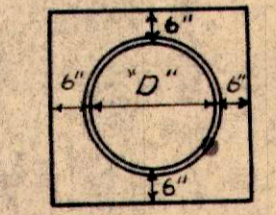
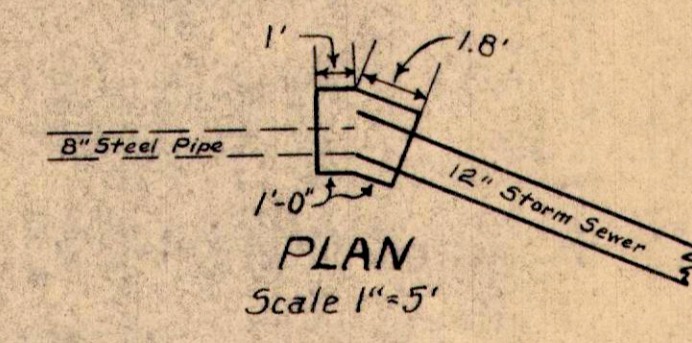


WORK REQUIRED
Build St'd Pipe Culvert As Shown

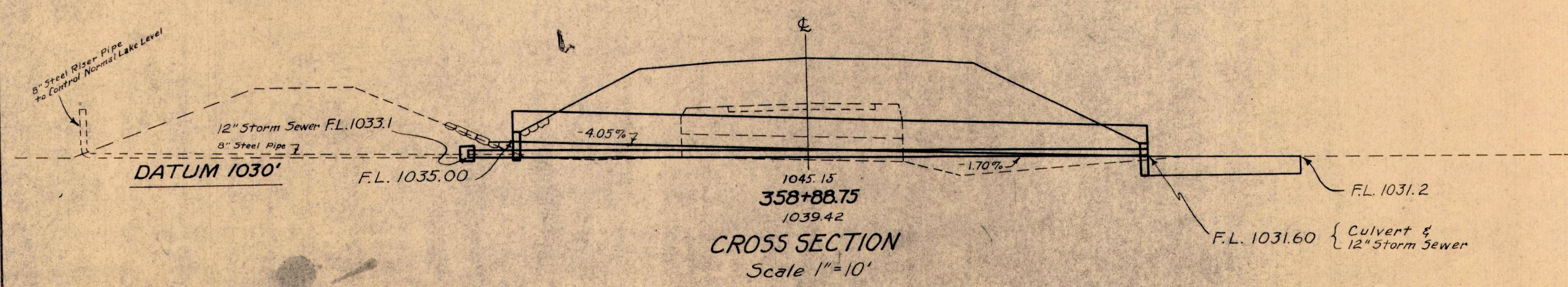
ESTIMATED QUANTITIES

48" Paved Bituminous Coated Corrg. Metal Pipe (Sec. M-6.4 (d)) for Rdwy. Culvert	84	L.F.
Excavation for Structures	4	C.Y.
Concrete for Structures (Class E)	2.4	C.Y.
Dumped Rock Channel Protection	67	C.Y.
Removal of Existing Structure	Lump	Sum
Riprap	45	Sq. Y.
12" Class "A" Storm Sewer Under Pav't	88	Lin. Ft.
12" x 22 1/2° Class A Bend Special	1	Each
Pipe Removal (8")	8	Lin. Ft.



CONCRETE COLLAR FOR 12" STORM SEWER

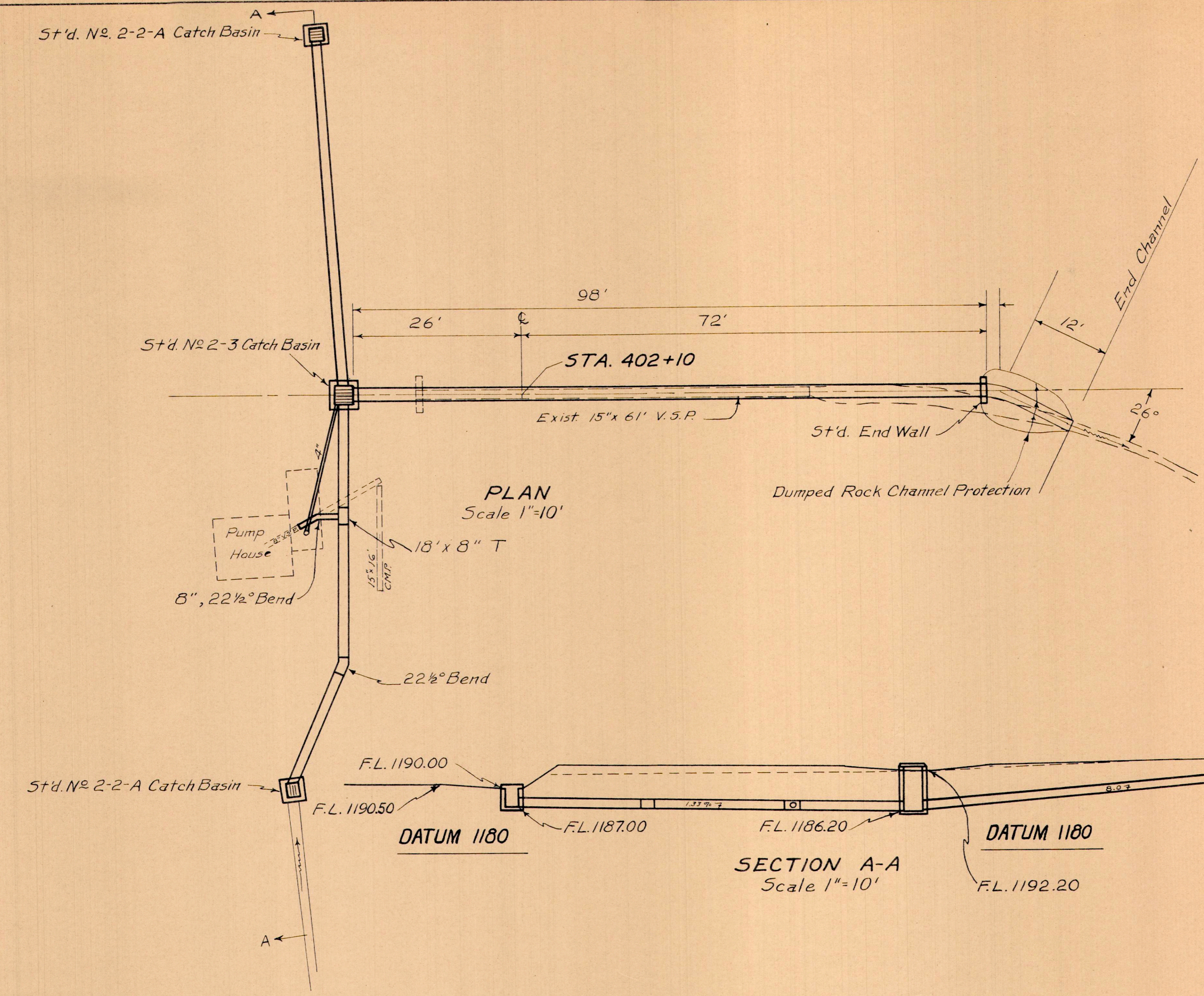
Area : 75 Acres
Q₁₀ : 95 c.f.s.



DATUM 1030'

STA. 358+88.75
48"x 94" PIPE CULVERT

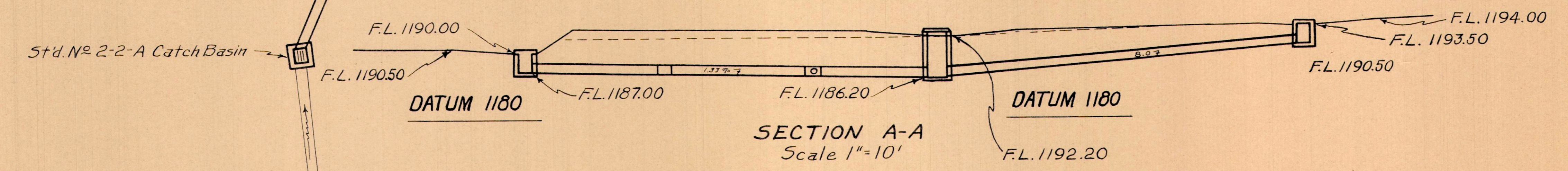
18
5



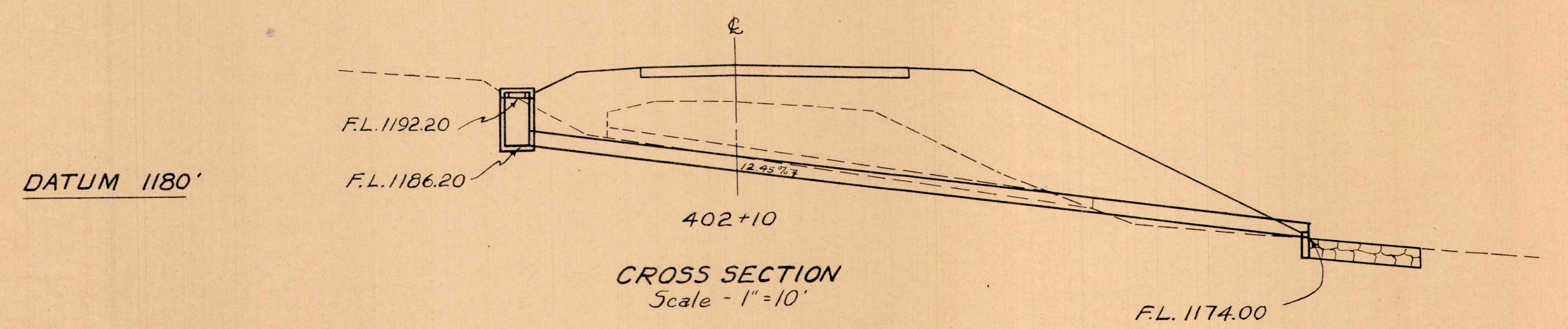
WORK REQUIRED
Build St'd. Pipe Culvert and St'd. No. 2-3 Catch Basin as Shown

ESTIMATED QUANTITIES

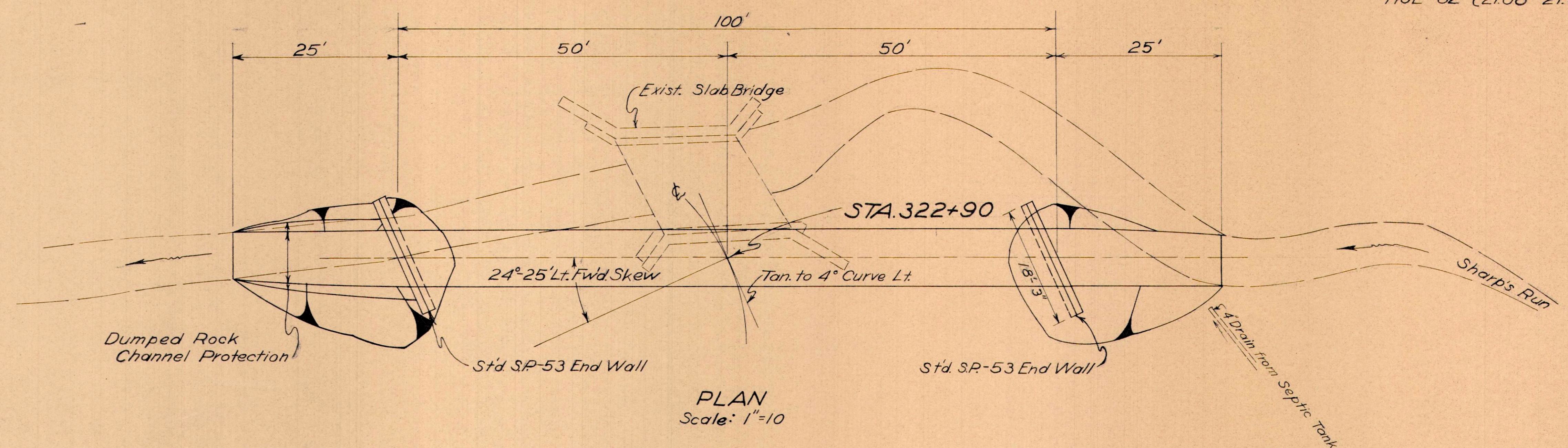
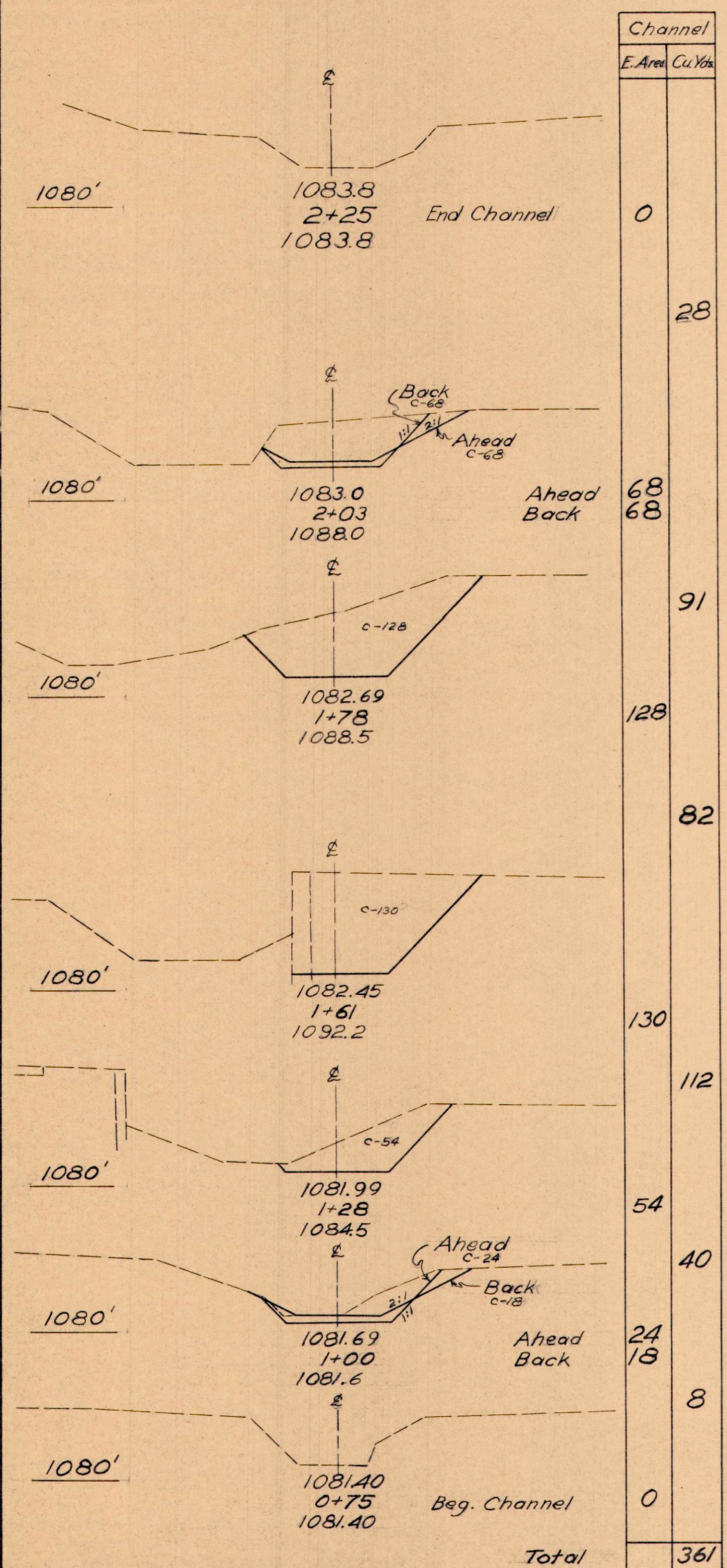
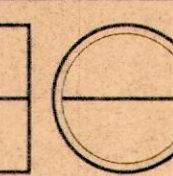
24" Pipe for Roadway Culverts	98	L.F.
Excavation for Structures	59	C.F.
Concrete for Structures (Class E.)	0.4	C.Y.
St'd. No. 2-3 Catch Basin	1	Each
St'd. No. 2-2-A Catch Basin	2	Each
18" Class A Storm Sewer	108	L.F.
Pipe Removed (15" and Under)	87	L.F.
Removal of Portions of Existing Structures	1	C.Y.
18" x 8" T, Pipe Special, Class A Storm Sewer	1	Each
18", 22 1/2° Bend, Pipe Special, Class A Storm Sewer	1	Each
Dumped Rock Channel Protection	10	C.Y.
8", 22 1/2° Bend, Pipe Special Class A Storm Sewer	1	Each
8" Class A Storm Sewer	6	L.F.
4" Class A Storm Sewer	10	L.F.



Area : 9 Acres
Q₁₀ : 22 c.f.s.



STA. 402+10
24" x 98' PIPE CULVERT

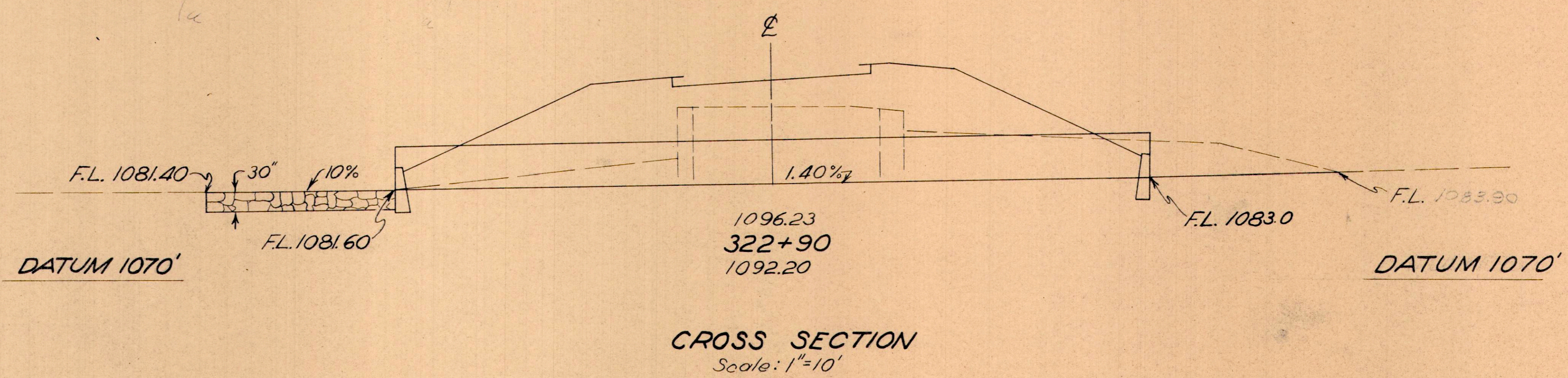


WORK REQUIRED
Build Std Pipe Culvert As Shown
ESTIMATED QUANTITIES

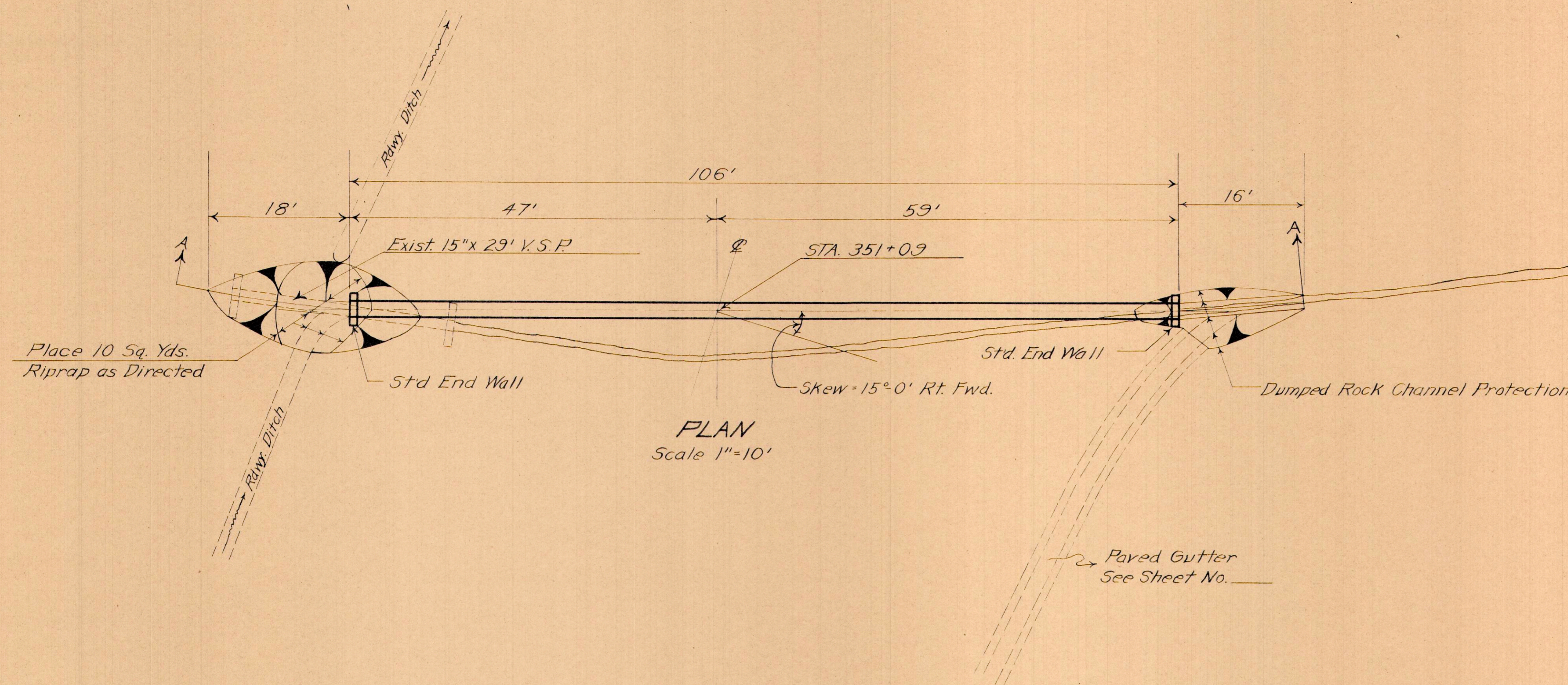
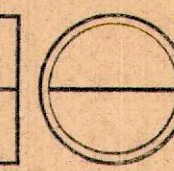
8'-7"x5'-11" Sectional Corr. Metal Plate Arch	100 L.F.
Structure - Sec. M-6.4(g)(d)	
Excavation for Structures	18 C.Y.
Channel Excavation	361 C.Y.
Concrete for Structures (Class E)	106 C.Y.
Dumped Rock Protection	24 C.Y.
Removal of Existing Structure	
Lump Sum	

Area : 336 acres
Q₁₀ : 246 c.f.s.

Note: ~ For details not shown see Std. Dw'g S.P.-53
Plates shall be formed with 2" corrugations and shall be No. 10 gage for all plates except bottom and corner plates which will be No. 8 gage.



STA. 322+90
8'-7"x5'-11"x100' SECT. CORR. METAL PIPE ARCH STRUCT.



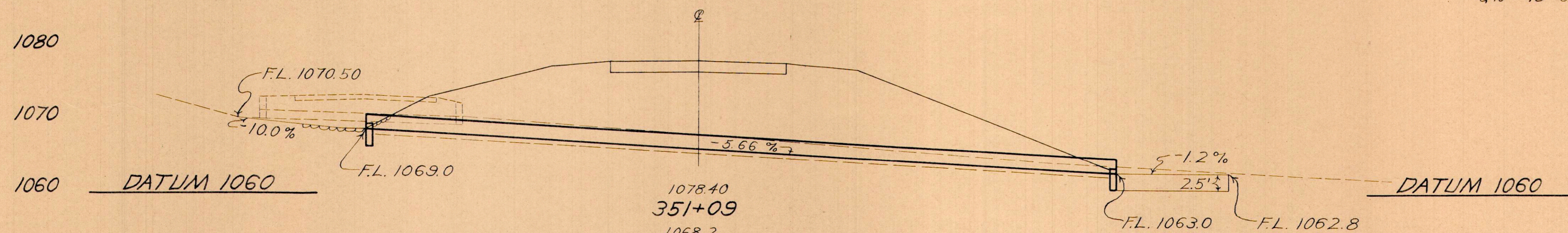
PLAN
Scale 1"=10'

WORK REQUIRED
Build Std Pipe Culvert as shown.

ESTIMATED QUANTITIES

24" Pipe for Roadway Culvert	106 Lin. Ft.
Excavation for Structures	34 Cu. Yds.
Channel Excavation	5 Cu. Yds.
Concrete for Structures (Class 'E')	0.80 Cu. Yds.
Riprap	10 Sq. Yds.
Dumped Rock Channel Protection	8 Cu. Yds.
Pipe Removal (15")	29 Lin. Ft.
Removal of Portions of Exist. Structure	2 Cu. Yds.

Area: 10 acres
Q₁₀: 15 c.f.s.



SECTION-A-A
Scale 1"=10'

STA. 351+09
24" x 106' PIPE CULVERT

17
S

17