

NOTE: - Gauge for Paved Bituminous Coated Corr. Metal Pipe shall be No. 8 gauge.

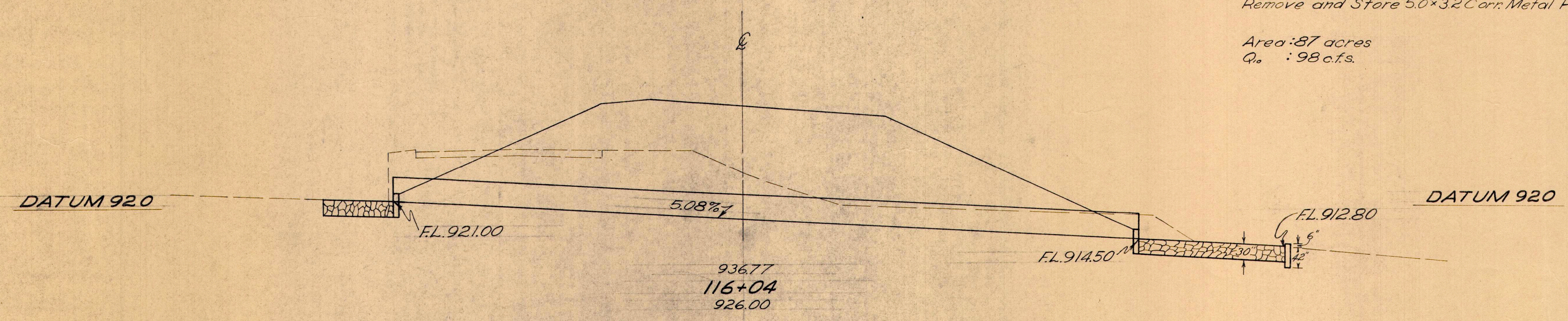
PLAN
Scale: 1"=10'

WORK REQUIRED
Build Std. Pipe Culvert As Shown

ESTIMATED QUANTITIES

54" Paved Bituminous Coated Corrugated Metal Pipe, Sec. M-6.4(d)	128 L.F.
Channel Excavation	40 C.Y.
Excavation for Structure	284 C.Y.
Concrete for Structure (Class E)	3.9 C.Y.
Removal of Pipe (15" and Under)	38 L.F.
Catch Basins Abandoned	2 Each
Removal of Existing Structure (Stone Arch)	Lump Sum
Dumped Rock Channel Protection	34 C.Y.
Remove and Store 50' x 3.2' Corr. Metal Pipe Arch	34 L.F.

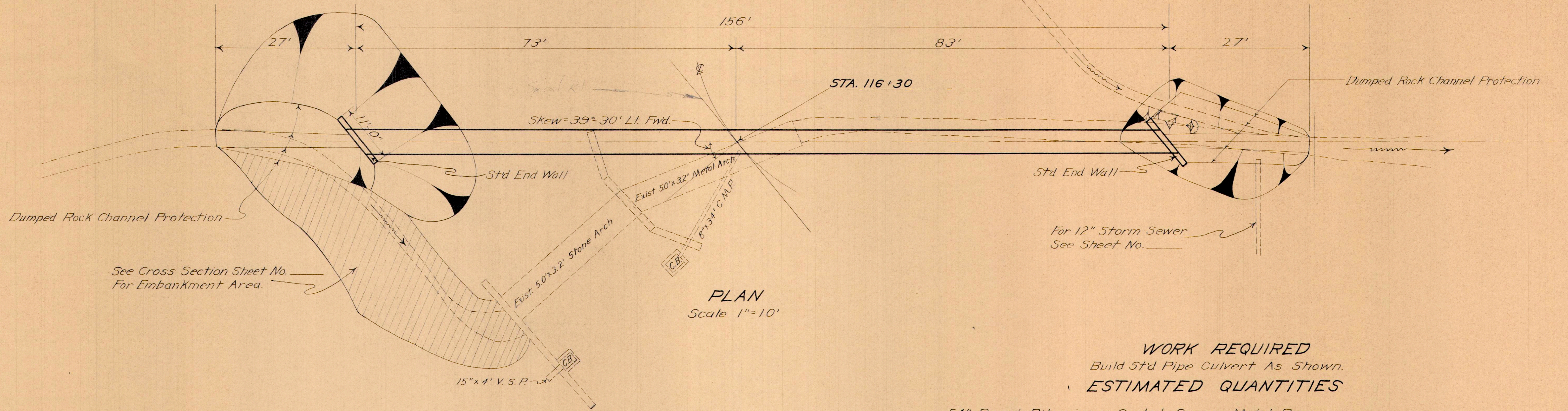
Area: .87 acres
Q_o: 98 c.f.s.



CROSS SECTION
Scale: 1"=10'

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STA. 116+04 - 54" x 128' PIPE CULVERT



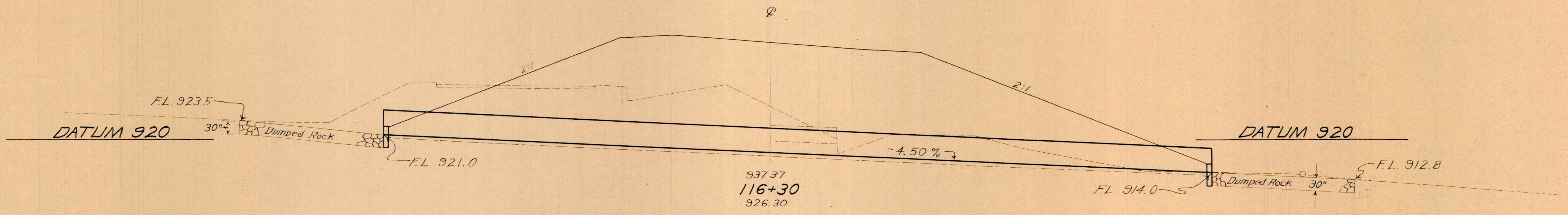
PLAN
Scale 1"=10'

WORK REQUIRED
Build Std Pipe Culvert As Shown.

ESTIMATED QUANTITIES

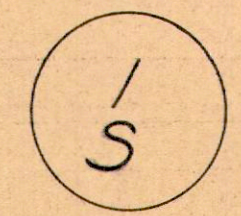
54" Paved Bituminous Coated Corrug. Metal Pipe Sec. M-6.4 (d)	156 Lin. Ft.
Excavation for Structures	245 Cu. Yds.
Concrete for Structures (Class "E")	30 Cu. Yds.
Removal of Pipe (15" and under)	38 Lin. Ft.
Catch Basins Abandoned	2 Each
Removal of Existing Structure (Stone Arch)	Lump Sum
Dumped Rock Channel Protection	52 Cu. Yds.
Channel Excavation	150 Cu. Yds.
Remove and Store 5.0' x 3.2' Corr. Met. Pipe Arch	34 Lin. Ft.

Area: 81 acres
Q10: 98 c.f.s.



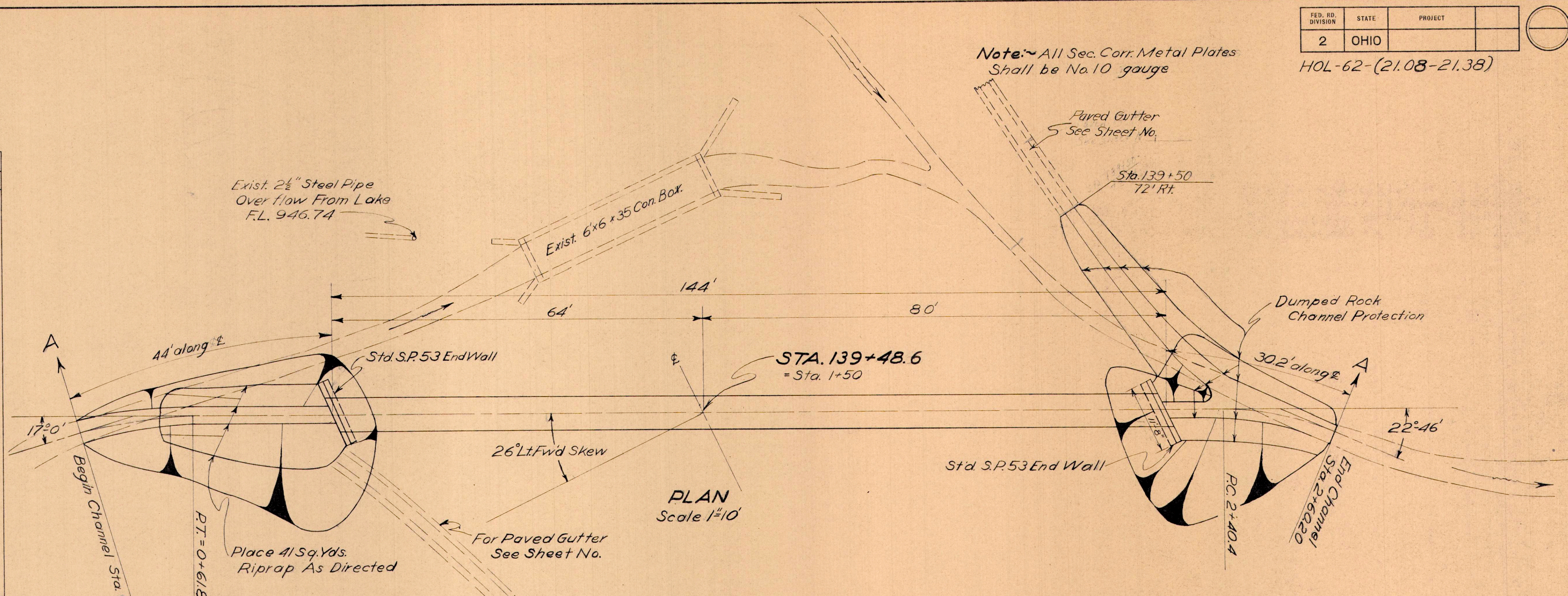
CROSS SECTION
Scale 1"=10'

STA. 116+30
54" x 156' PIPE CULVERT



Note: All Sec. Corr. Metal Plates Shall be No. 10 gauge

Channel		E. Area	C.Yds
Station	Notes		
930'	End Channel	0	
930'	Ahead Back	110	82
940'		535	
940'	Ahead Back	340	
940'	Ahead Back	632	
940'	Ahead Back	112	142
940'	Beg. Channel	0	
Total		1345	

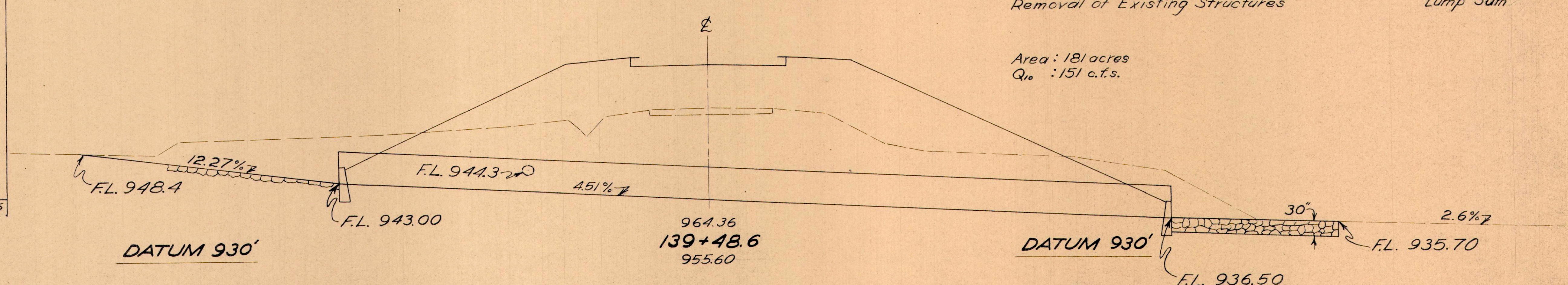


WORK REQUIRED
Build Std. Pipe Culvert As Shown

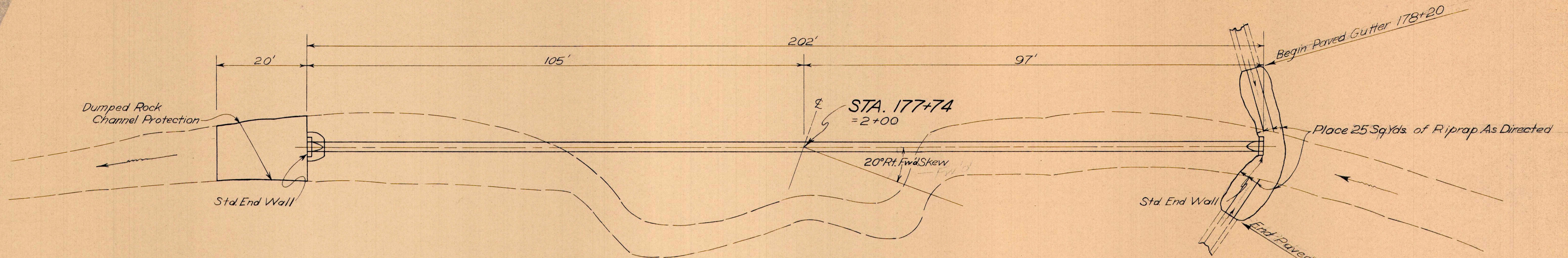
ESTIMATED QUANTITIES

66" Bituminous Coated Sectional Corrugated Metal Pipe Structure, Sec. M-6.4 (g)(c), No. 10 gauge.	144 L.F.
Excavation for Structures	12 C.Y.
Channel Excavation	1345 C.Y.
Concrete for Structures (Class E)	5.3 C.Y.
Riprap	41 S.Y.
Dumped Rock Channel Protection	66 C.Y.
Removal of Existing Structures	Lump Sum

Area: 181 acres
Q₁₀: 151 c.f.s.



STA. 139+48.6 - 66" x 144' PIPE CULVERT RT



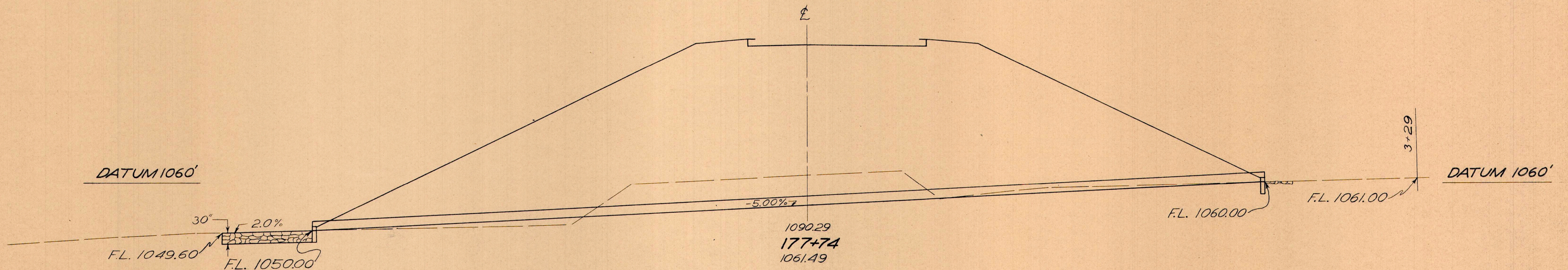
PLAN
Scale 1"=10'

WORK REQUIRED
Build Std. Pipe Culvert As Shown

ESTIMATED QUANTITIES

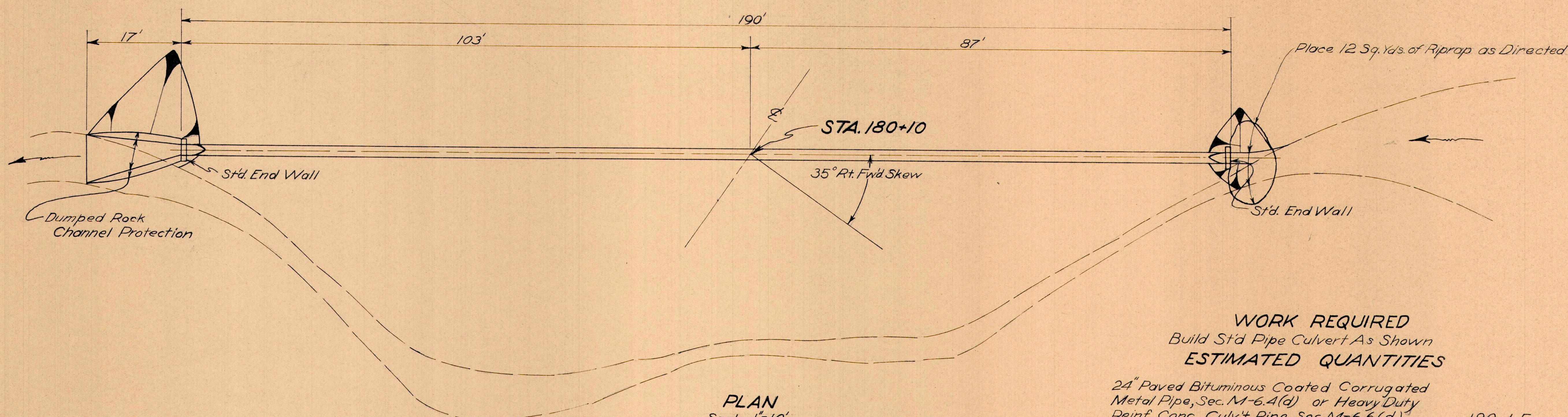
24" Paved Bituminous Coated Corrugated Metal Pipe, Sec. M-6.4(d) 14 Gauge or Heavy Duty Reint. Con. Pipe, Sec. M-6.6(d)	202 L.F.
Excavation for Structures	72 C.Y.
Concrete for Structures (Class E)	0.8 C.Y.
Dumped Rock Channel Protection	23 C.Y.
Riprap	25 S.Y.

Area : 16 acres
Q₁₀ : 31 c.f.s.



CROSS SECTION
Scale 1"=10'

STA. 177+74 - 24"x202' PIPE CULVERT



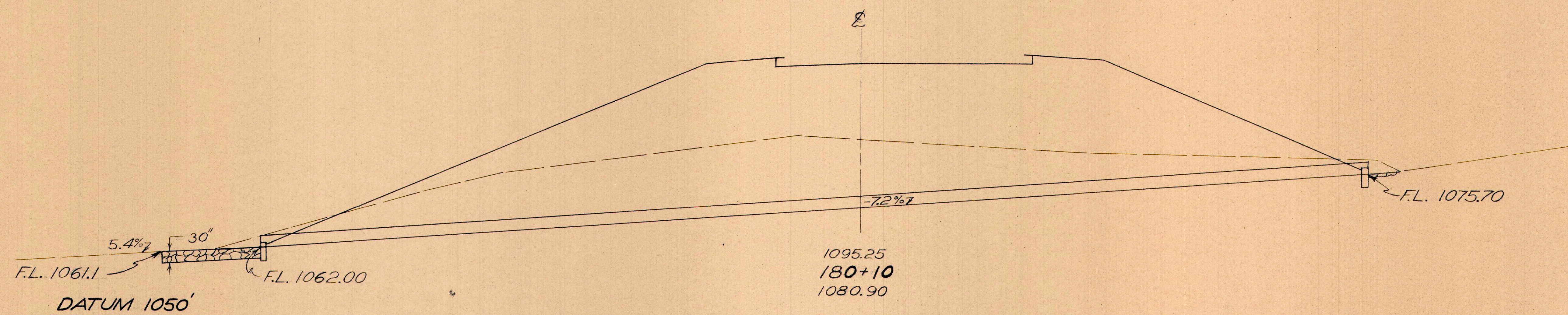
PLAN
Scale 1"=10'

WORK REQUIRED
Build Std Pipe Culvert As Shown

ESTIMATED QUANTITIES

24" Paved Bituminous Coated Corrugated Metal Pipe, Sec. M-6.4(d) or Heavy Duty Reinf. Conc. Culv't Pipe, Sec. M-6.6(d)	190 L.F.
Excavation for Structures	201 C.Y.
Channel Excavation	13 C.Y.
Concrete for Structures (Class E)	0.8 C.Y.
Dumped Rock Channel Protection	11 C.Y.
Riprap	12 S.Y.

Area: 16 acres
Q₁₀: 31 c.f.s.

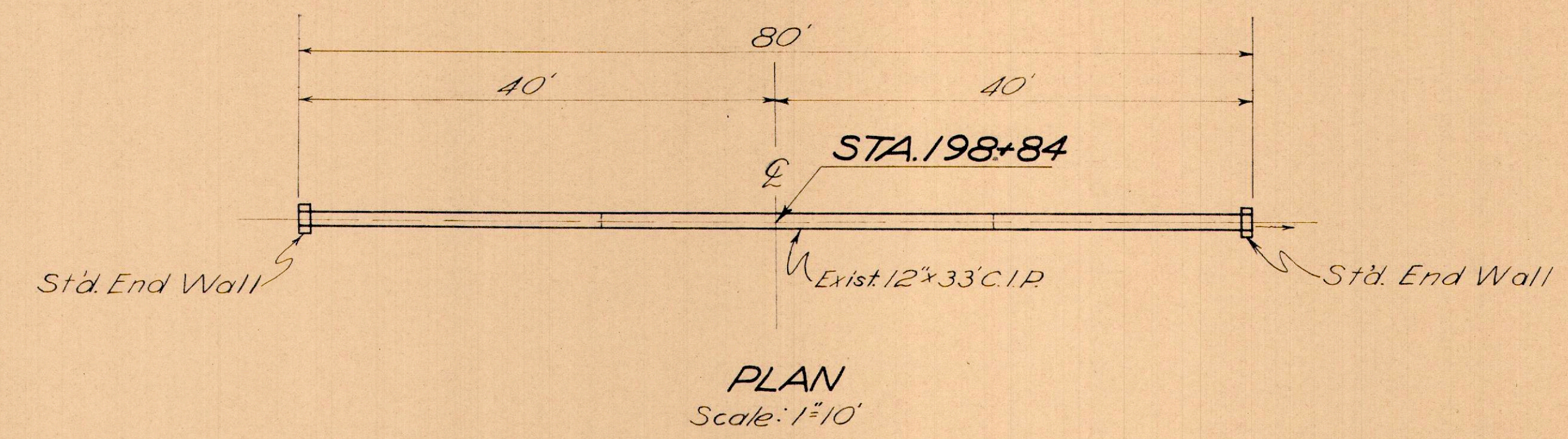


CROSS SECTION
Scale 1"=10'

DATUM 1050'

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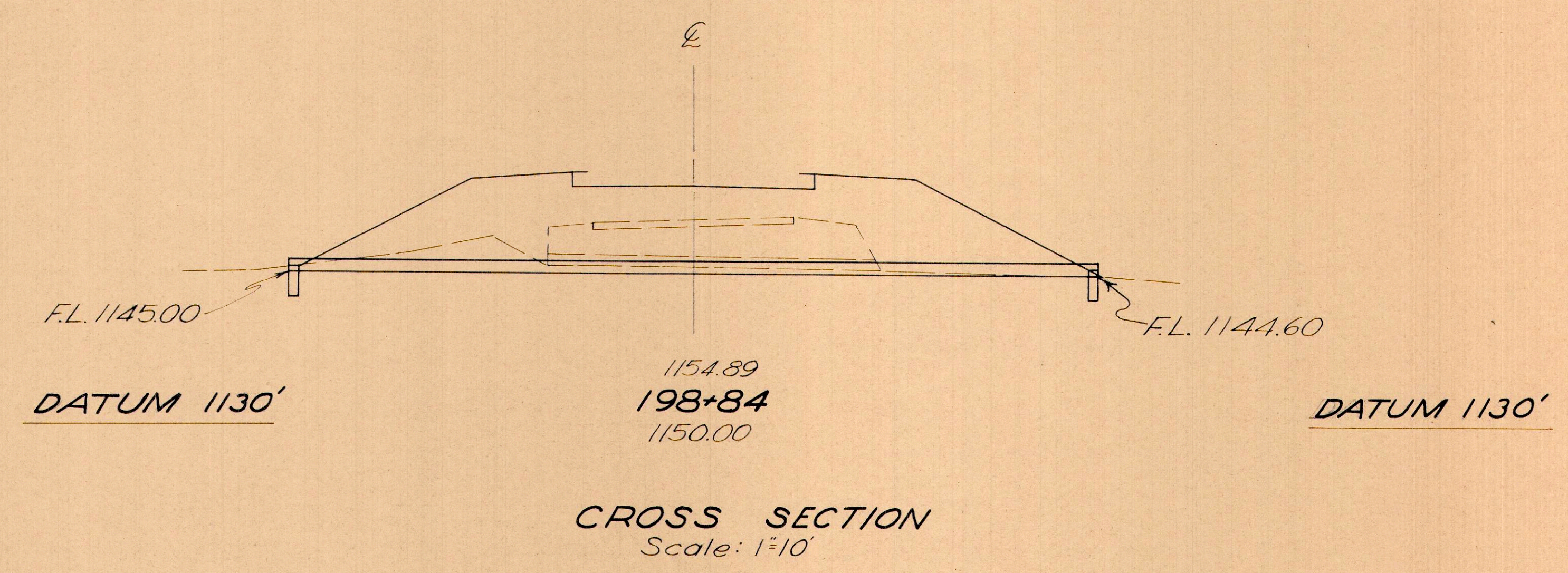
STA. 180+10 - 24"x190' PIPE CULVERT



WORK REQUIRED
Build Std. Pipe Culvert As Shown

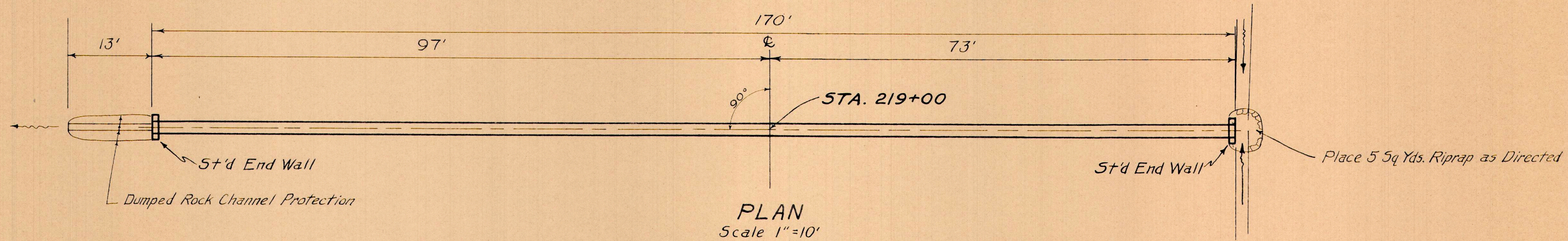
ESTIMATED QUANTITIES

15" Pipe for Roadway Culverts	80 L.F.
Excavation for Structure	19 C.Y.
Concrete for Structure (Class E)	05 C.Y.
Pipe Removal (15" and Under)	33 L.F.



STA. 198+84
15" x 80' PIPE CULVERT

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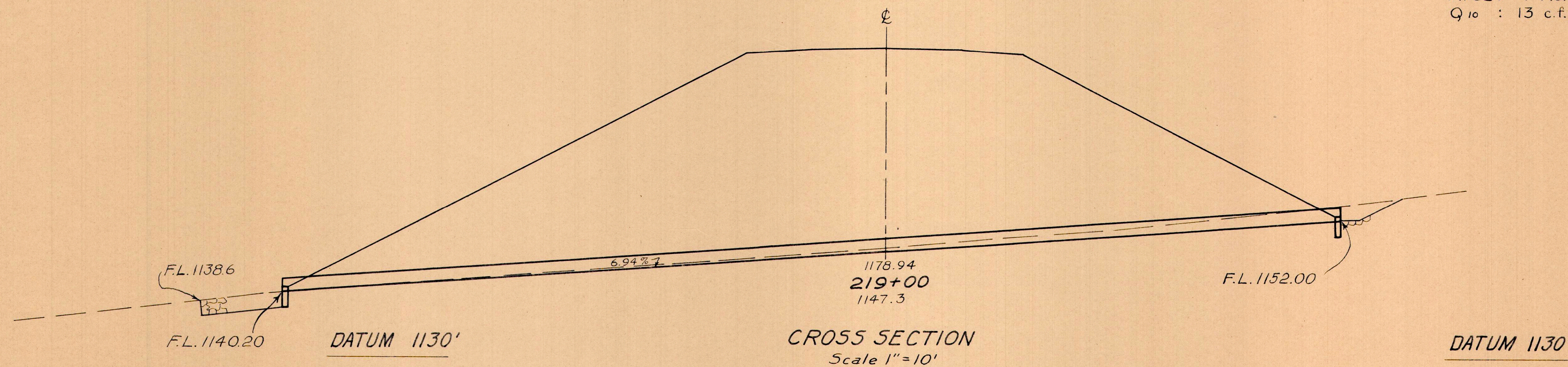


Work Required
 Build Std Pipe Culvert As Shown

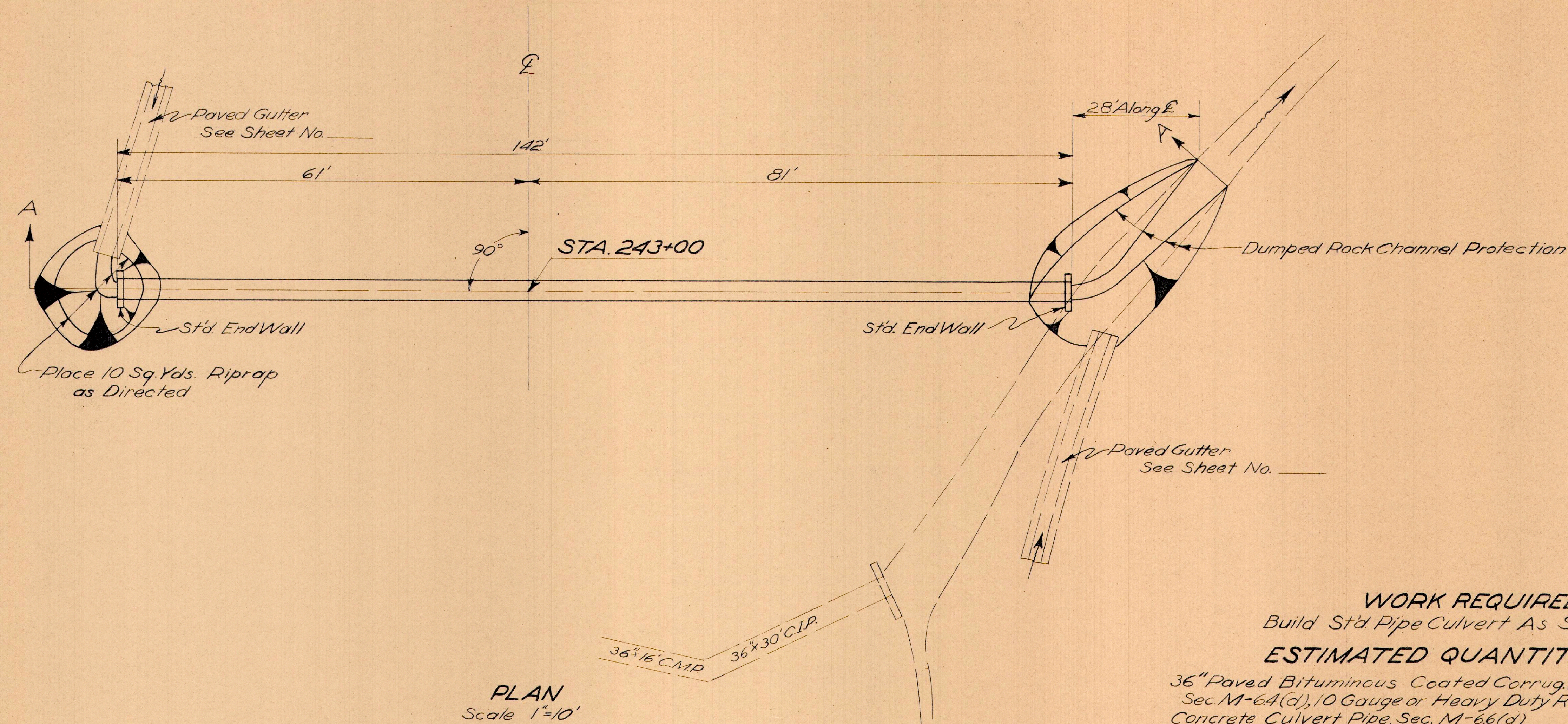
Estimated Quantities

24" Paved Bituminous Coated Corrug. Metal Pipe, Sec. M-6.4 (d) 14 gauge or Heavy Duty Reinforced Concrete Culvert Pipe, Sec. M-6.6 (d)	170 L.F.
Excavation for Structures	44 C.Y.
Concrete for Structures (Class E)	0.8 C.Y.
Dumped Rock Channel Protection	5 C.Y.
Riprap	5 Sq.Y.

Area: 4 Acres
 Q₁₀ : 13 c.f.s.



STA. 219+00
 24" x 170' PIPE CULVERT



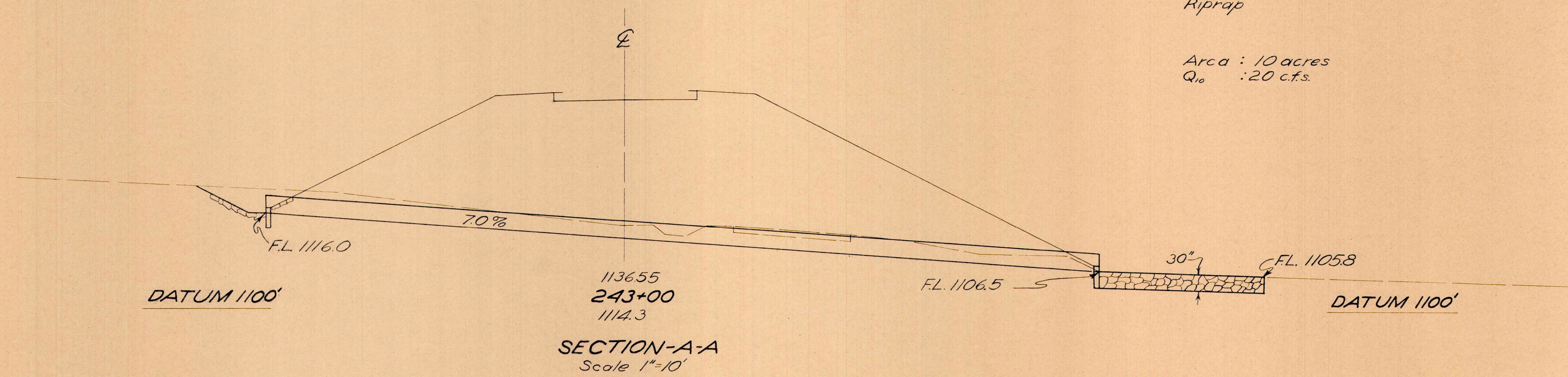
PLAN
Scale 1"=10'

WORK REQUIRED
Build Std Pipe Culvert As Shown

ESTIMATED QUANTITIES

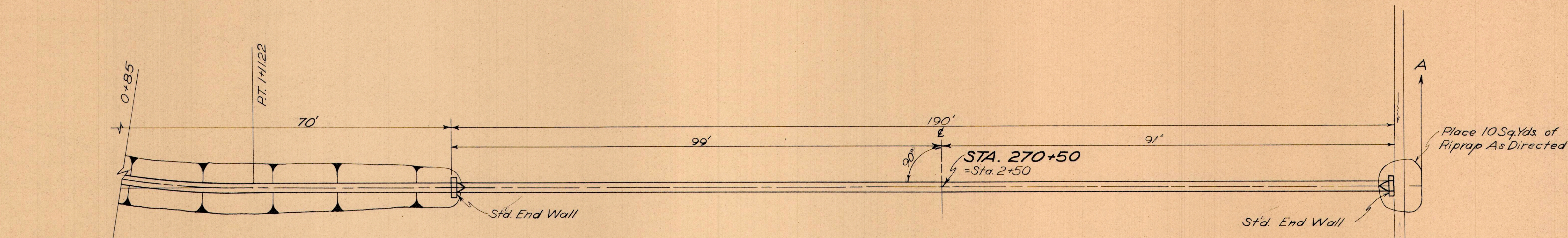
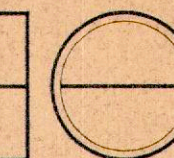
36" Paved Bituminous Coated Corrug. Metal Pipe, Sec. M-64(d), 10 Gauge or Heavy Duty Reinforced	142 L.F.
Concrete Culvert Pipe, Sec. M-66(d)	2 C.Y.
Removal of Portion of Existing Structures	
Pipe Removed (36) Over 15"	46 L.F.
Dumped Rock Channel Protection	30 C.Y.
Excavation for Structures	120 C.Y.
Concrete for Structures (Class E)	1.2 C.Y.
Riprap	10 S.Y.

Area : 10 acres
Q₁₀ : 20 c.f.s.

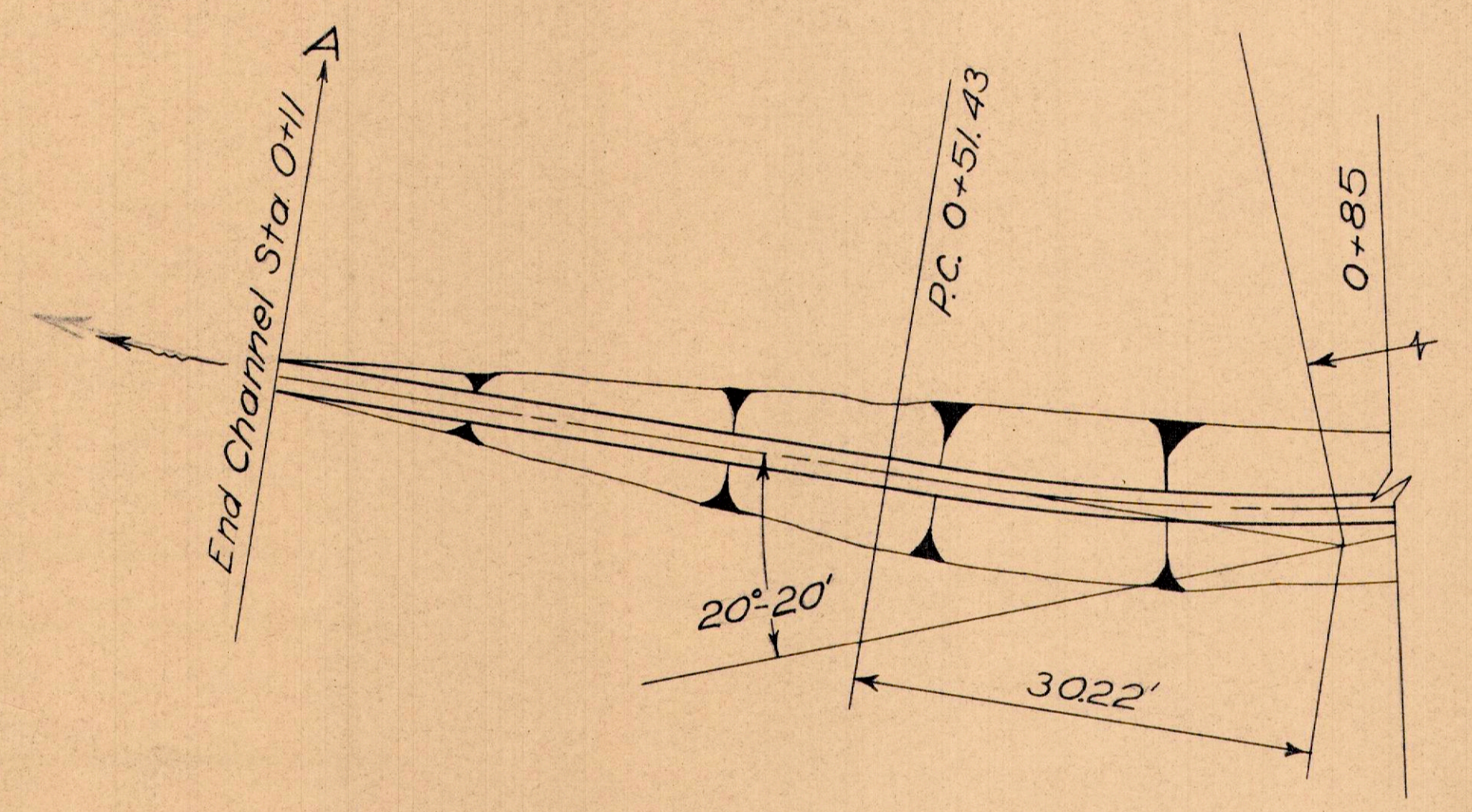


SECTION-A-A
Scale 1"=10'

STA. 243+00 - 36" x 142' PIPE CULVERT



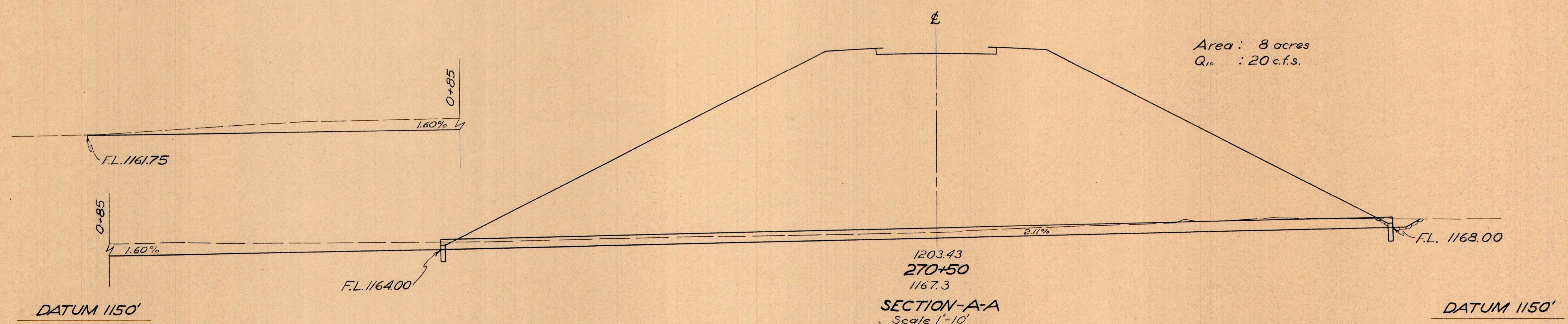
PLAN
Scale 1"=10'



WORK REQUIRED
Build Std. Pipe Culvert As Shown

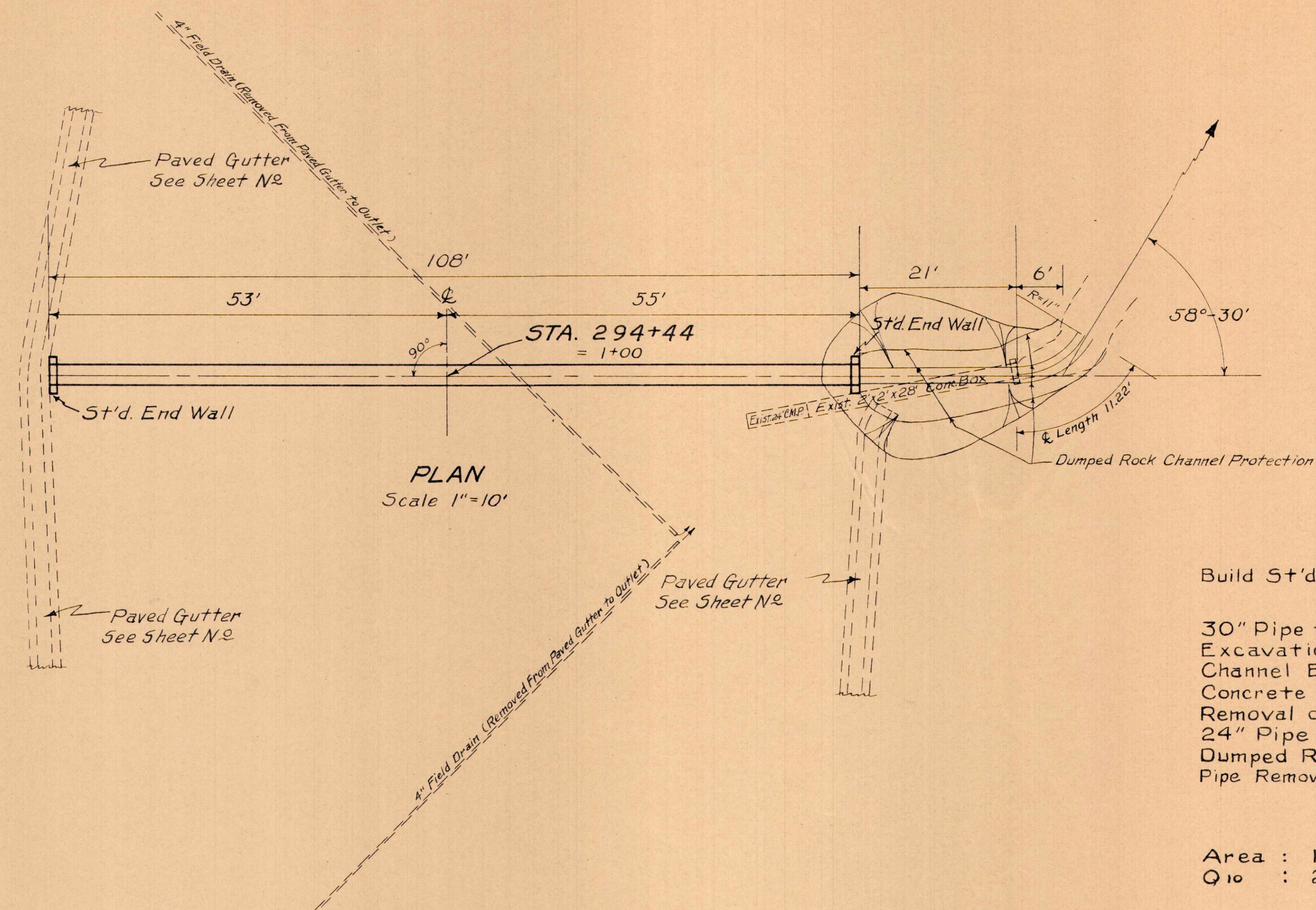
ESTIMATED QUANTITIES

24" Paved Bituminous Coated Corrugated Metal Pipe, Sec. M-6.4 (d), 12 gauge	190 L.F.
Excavation for Structures	60 C.Y.
Channel Excavation	44 C.Y.
Concrete for Structures (Class E)	0.8 C.Y.
Riprap	10 S.Y.



SECTION-A-A
Scale 1"=10'

STA. 270+50 - 24" x 190' PIPE CULVERT

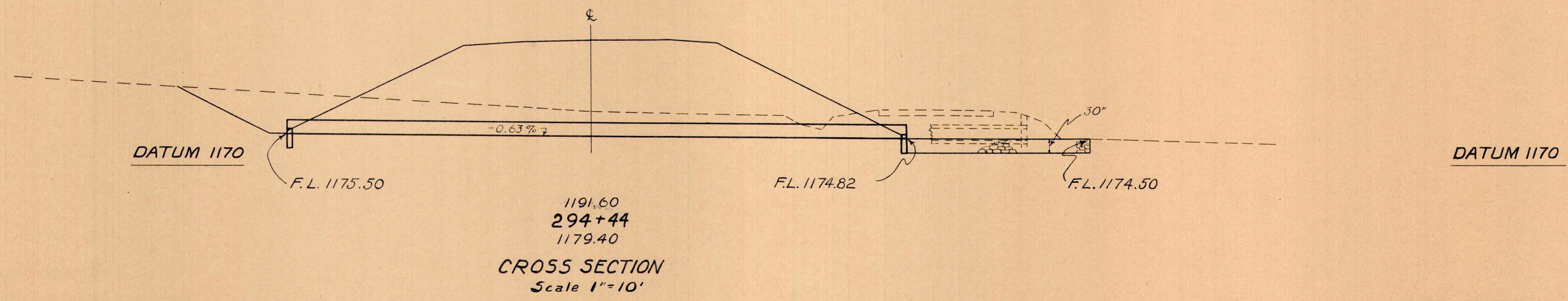


WORK REQUIRED
Build St'd. Pipe Culvert As Shown

ESTIMATED QUANTITIES

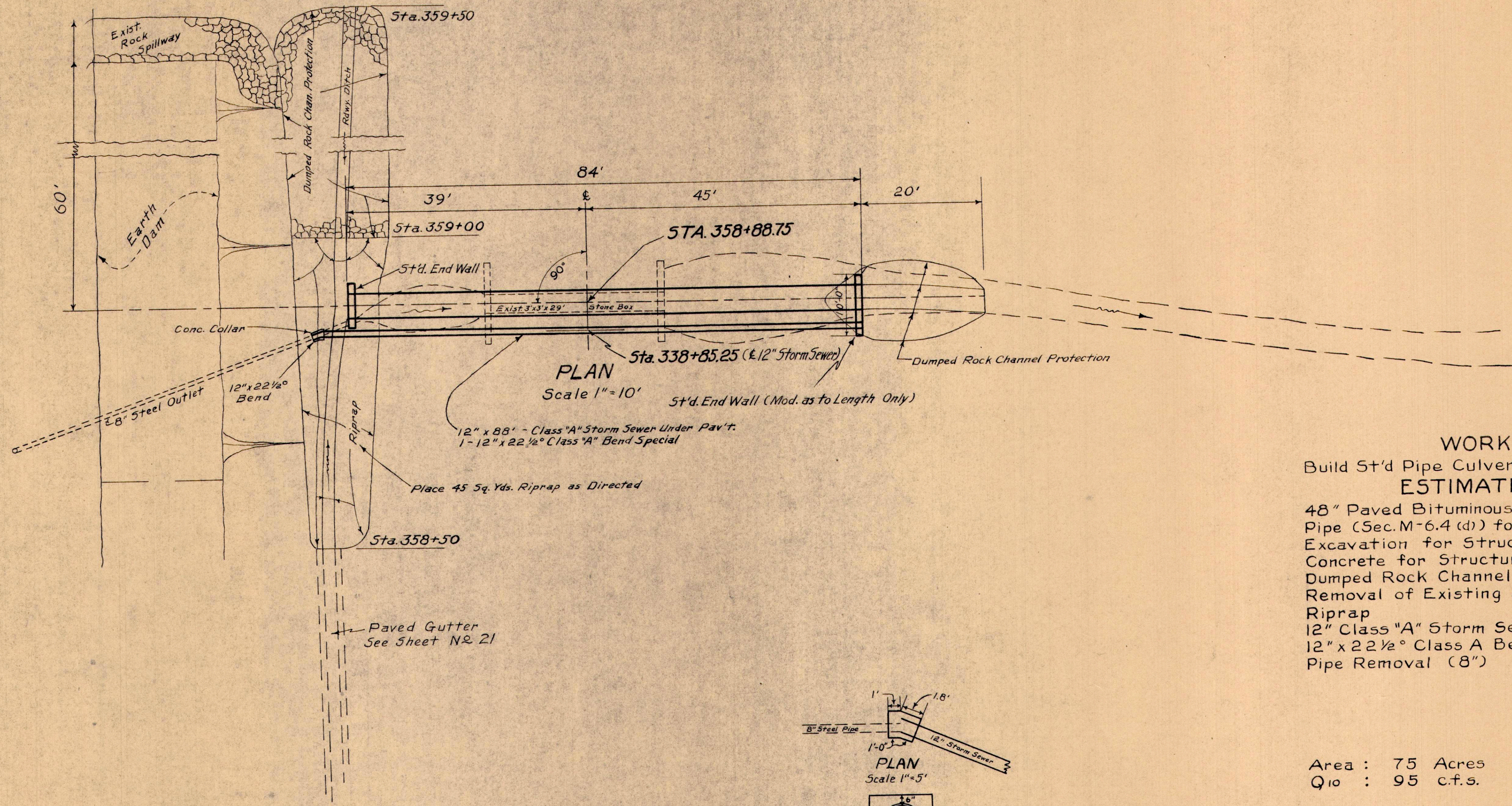
30" Pipe for Roadway Culverts	108	Lin. Ft.
Excavation for Structures	120	Cu. Yds.
Channel Excavation	30	Cu. Yds.
Concrete for Structures (Class E)	1.0	Cu. Yds.
Removal of Portions of Existing Structures	9	Cu. Yds.
24" Pipe Removed	8	Lin. Ft.
Dumped Rock Channel Protection	35	Cu. Yds.
Pipe Removed (4" Field Drain)	220	Lin. Ft.

Area : 10 Acres
Q₁₀ : 24 c.f.s.



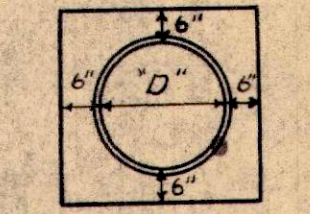
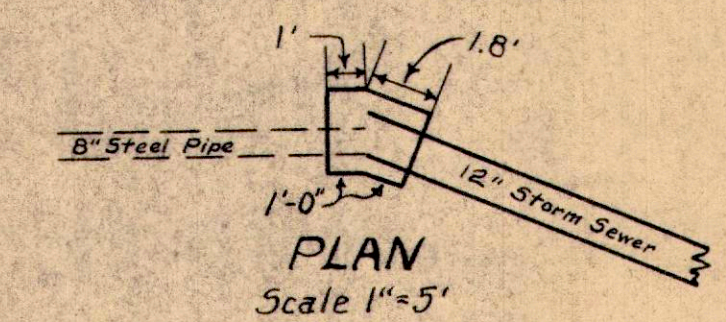
14
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STA. 294+44
30"x108' PIPE CULVERT



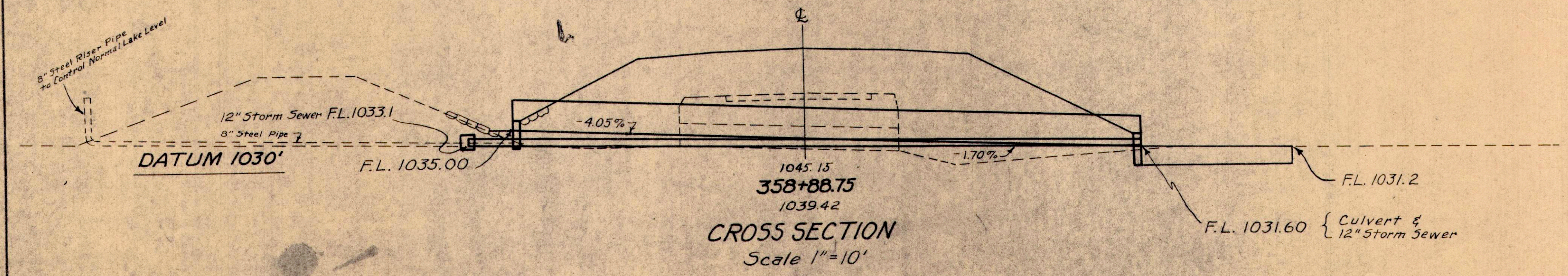
WORK REQUIRED
Build St'd Pipe Culvert As Shown
ESTIMATED QUANTITIES

48" Paved Bituminous Coated Corrg. Metal Pipe (Sec. M-6.4 (d)) for Rdw'y. Culvert	84	L. F.
Excavation for Structures (Class E)	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.



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