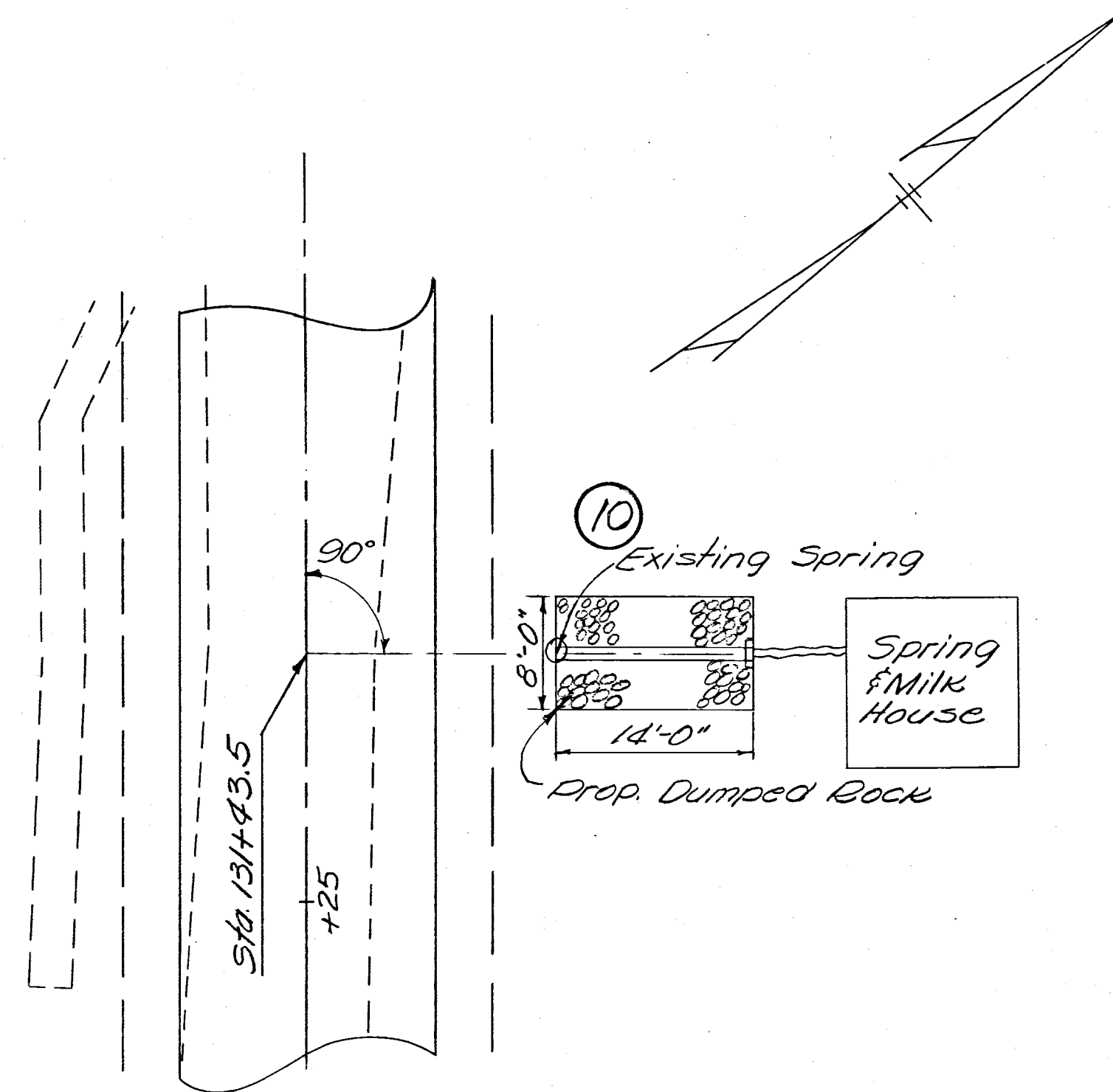
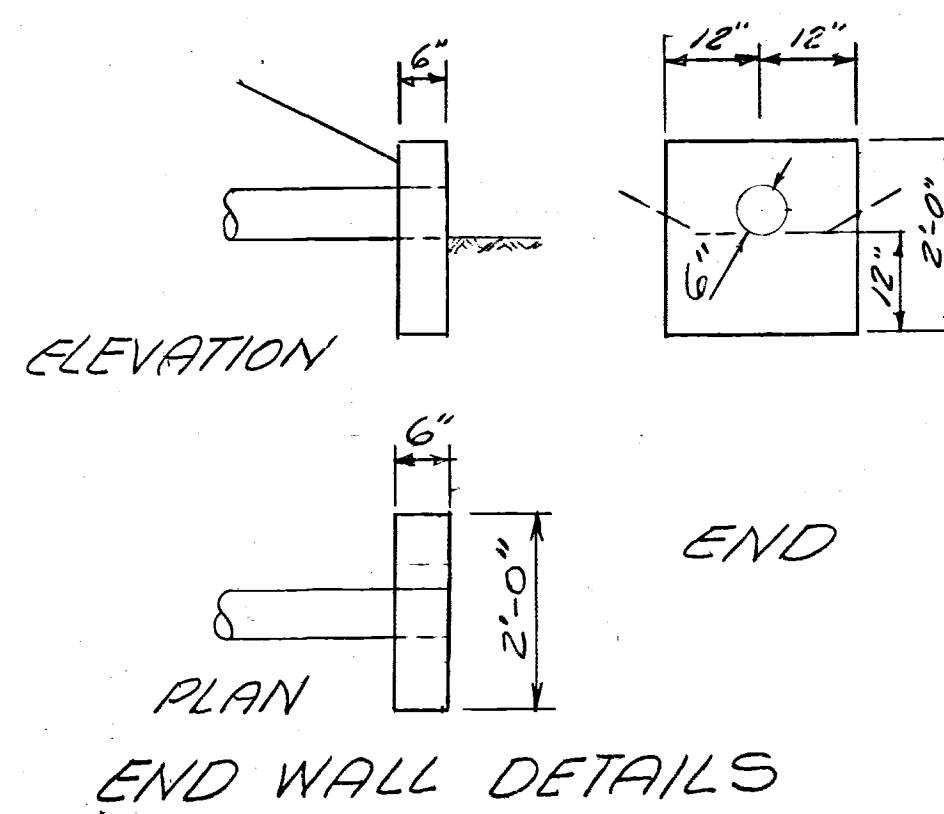


MUSKINGUM COUNTY
COUNTY ROAD NO. 8

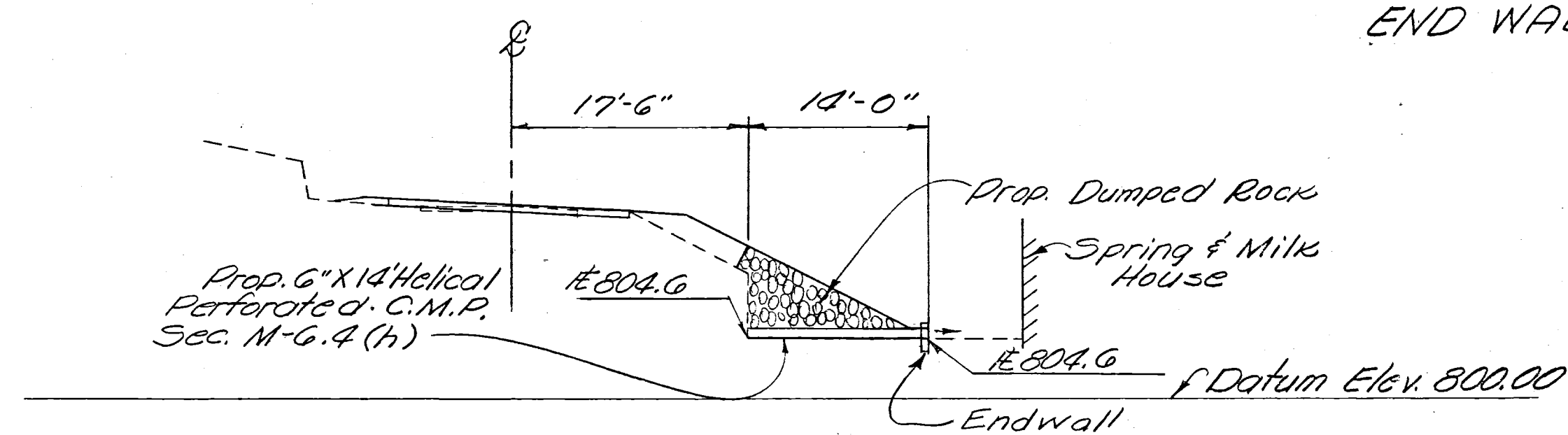


NOTE-
The Contractor shall exercise extreme caution in installing pipe and during the placing of the dumped rock to insure the continued operation of the spring at a rate of flow as now exists.

PLAN



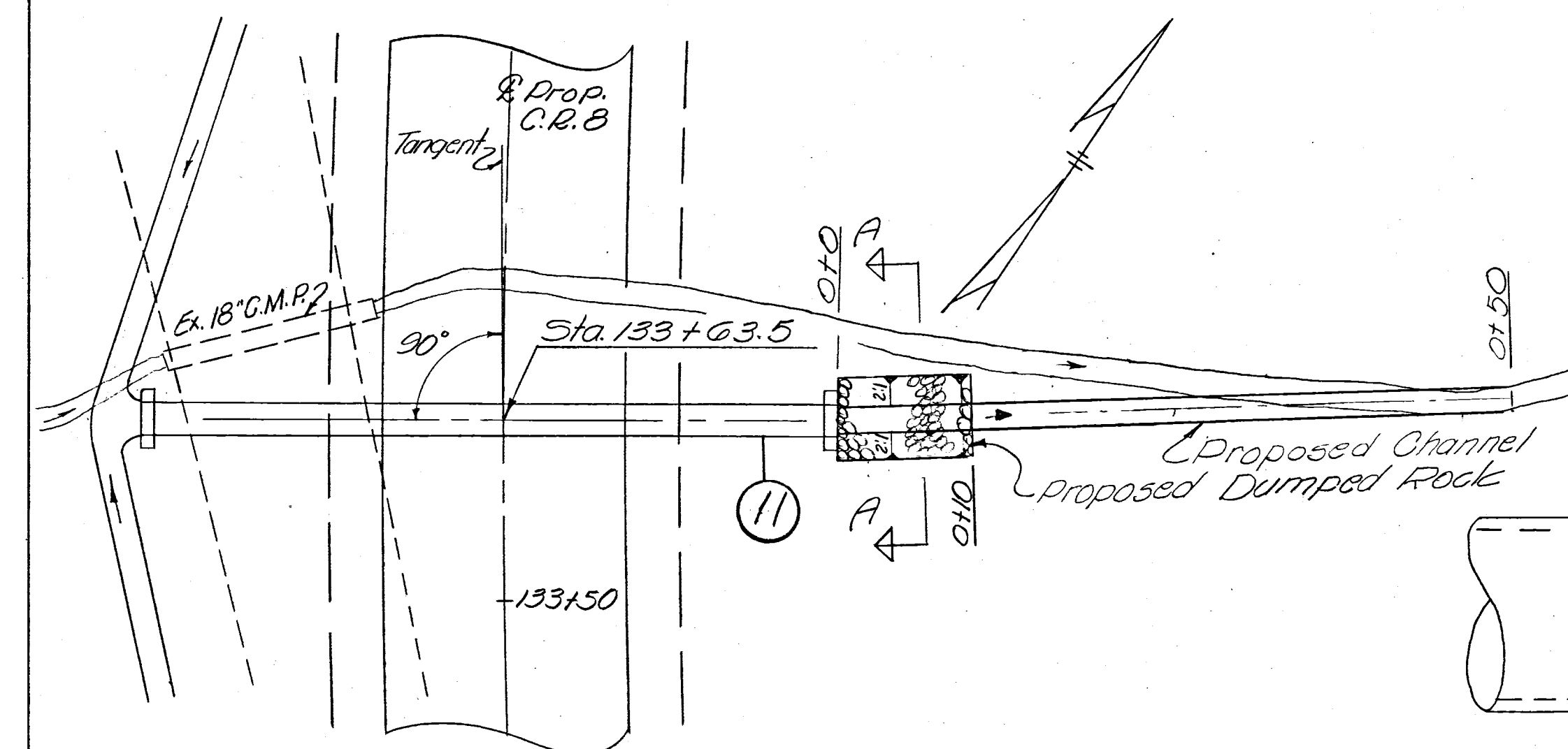
END WALL DETAILS



SECTION

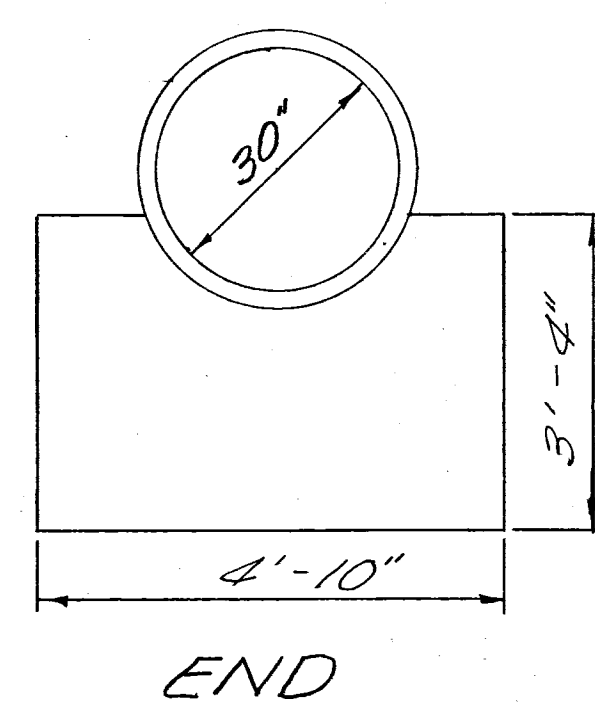
ESTIMATED QUANTITIES

I-10	Dumped Rock Fill	14.52 Cu. Yd.
I-4	6" Pipe Underdrains	14 Lin. Ft.
S-1	Concrete for Structures, Class E	0.06 Cu. Yd.



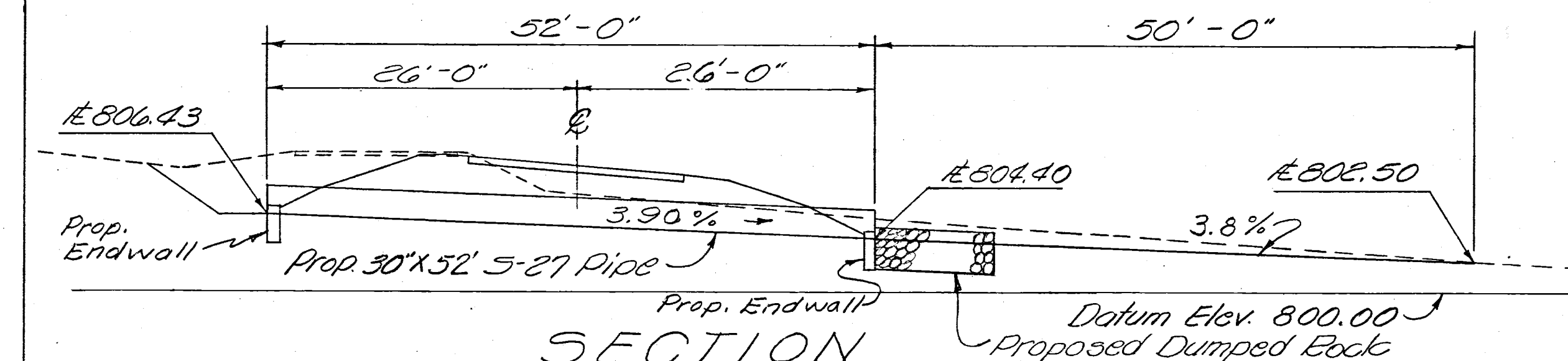
PLAN

ELEVATION

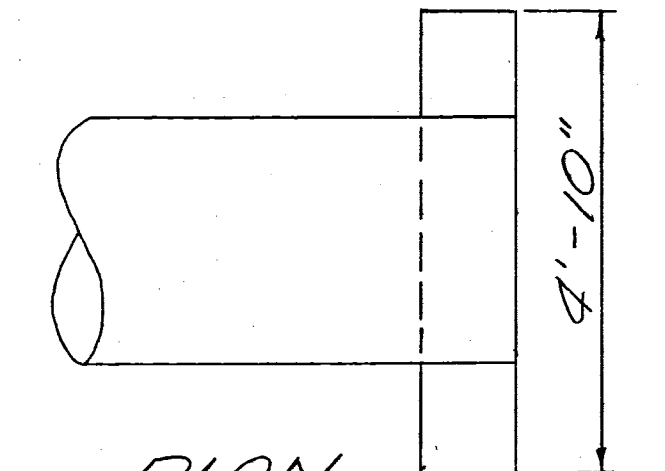


END

Drainage Area = 16.5 Ac.
Q₁₀ = 25 cfs



SECTION



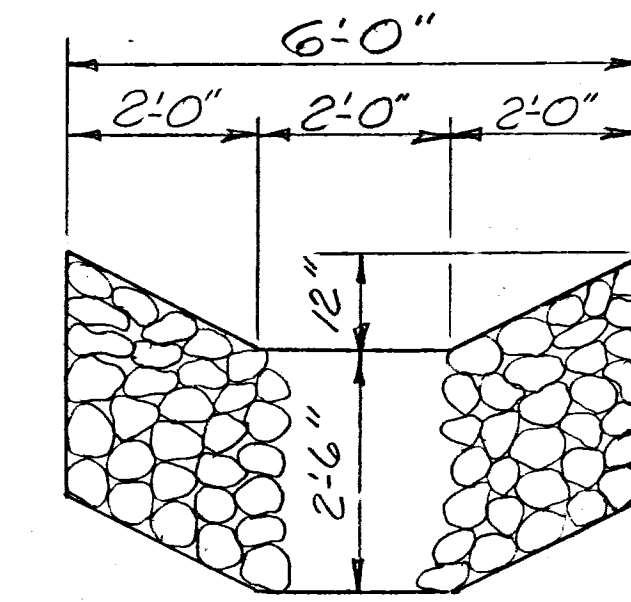
PLAN

END WALL DETAILS

Sta.	End Area S.F.	Volume C.Y.
Sta. 0+50	0	
803.45 0+25	3	1
804.40 0+0	5	4
Channel Excavation		5

ESTIMATED QUANTITIES

E-2	Excavation for Structure 9, Unclassified	35 C.Y.
E-3	Channel Excavation, Unclassified	5 C.Y.
S-1	Concrete for Structures, Class E	1.02 C.Y.
S-27	30" Pipe for Roadway	52 C.Y.
	Culverts, Sec. M-6.8(b), M-6.6(b), or M-6.4(d) 14 Gage.	
I-10	Dumped Rock Channel Protection	5.56 C.Y.



SECTION A-A

REVISION	DATE	AS CONSTRUCTED	H.F.K.
U. S. ARMY ENGINEER DISTRICT, HUNTINGTON CORPS OF ENGINEERS HUNTINGTON, W. VA.			
DRAWN BY: JCE		LICKING RIVER DILLON RESERVOIR PROJECT	
TRACED BY: JCE		RELOCATION OF MUSKINGUM COUNTY ROAD NO. 8	
CHECKED BY: F.H.S.		MC-8-4 & MT-408-1	
SUBMITTED BY: Elmer S. Barrett Associates		MC-8-1 & MC-408-1	
RECOMMENDED BY: Elmer S. Barrett Associates		APPROVED: Steven Malenich	
CHIEF ENG. DIV.		DATE: NOVEMBER 1959	
ELMER S. BARRETT ASSOCIATES CONSULTING ENGINEERS CHILLICOTHE, OHIO		SCALE: 1" = 10' DRAWING NUMBER 027f-UD 14-68/69 SHEET 69 OF 83	

WORK AS CONSTRUCTED

CULVERT DETAIL (10)(11)