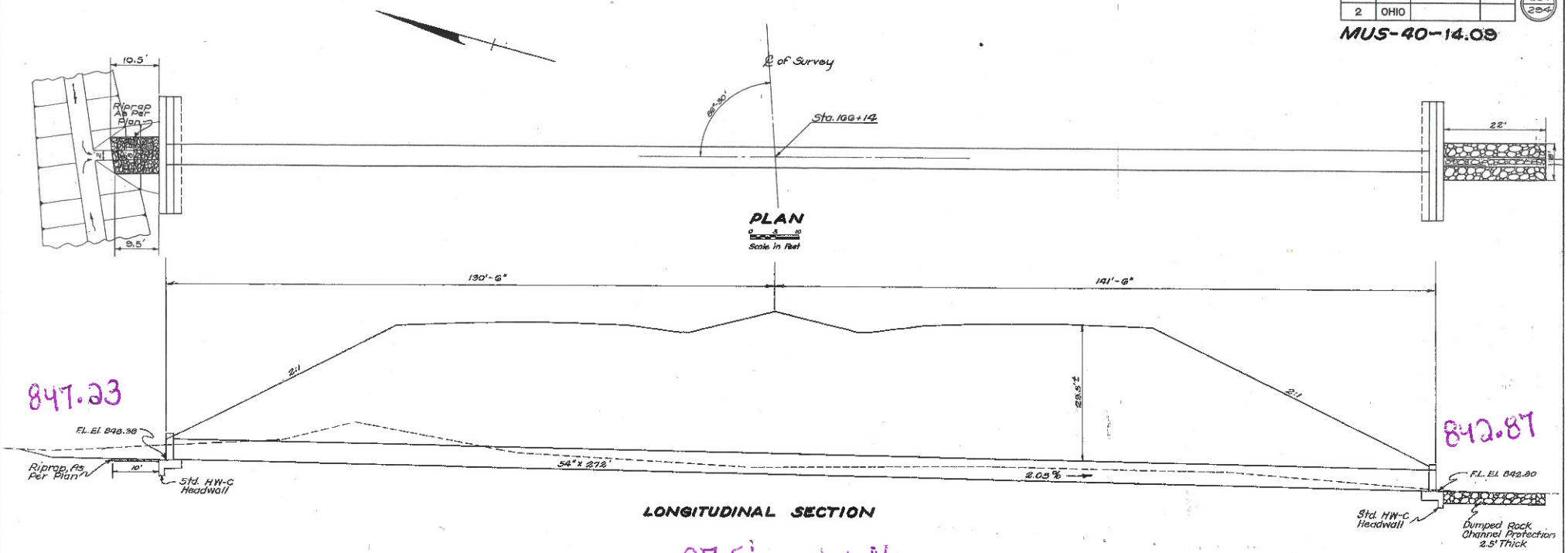
CFN 1973478

011

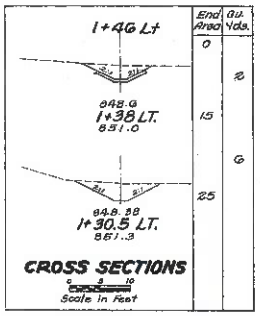
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

234
284

MUS-40-14.09



275' 1.6%



End Area	Cu. Yds.
0	
	2
15	
	6
25	

0+70.34
847.23
3+45.72
842.87

98 50 ye
120 100 ye

CULVERT DATA

TYPE: Pipe Culvert — Std. Drwg. I-1 & HW-C
SIZE: 54" x 272'
WORK REQUIRED: Install culvert as shown, using corrugated metal pipe, Sec. M-6.4(a), 8 gage. Pipe shall be shop elongated. Place dumped rock channel protection at outlet as shown. Install riprap, as per plan, at inlet. Pipe shall be shop deformed to produce and maintain 5% Vertical Elongation.

ESTIMATED QUANTITIES

Item	Description	Quantity	Unit
E-3	Channel Excavation	8	Cu. Yds.
I-1	54" Pipe, Sec. M-6.4(a) 8 Gage, Shop Elongated		
	Class A-1	272	Lin. Ft.
I-2	Masonry, Class "C"	34.0	Cu. Yds.
I-10	Dumped Rock Channel Protection	16	Cu. Yds.
I-10	Riprap, As Per Plan	9	Sq. Yds.

Drainage Area = 83 Ac — Q50 = 0.65×1.0×1.21×170 = 139 c.f.s.

10	STA. 166+14	PC. 54" x 272'	MUS-40-15.91