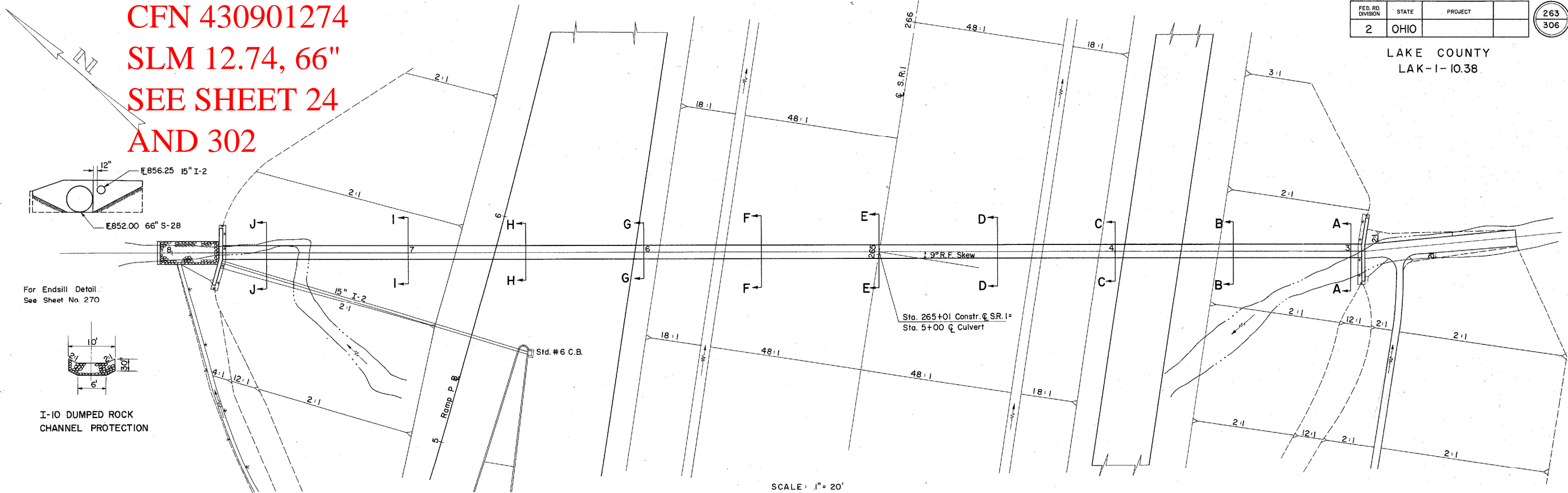


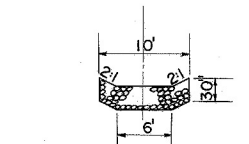
CFN 430901274
SLM 12.74, 66"
SEE SHEET 24
AND 302

FED. RD. DIVISION	STATE	PROJECT	263 306
2	OHIO		

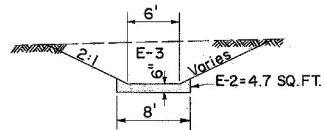
LAKE COUNTY
 LAK-1-10.38



For Endsill Detail
 See Sheet No. 270



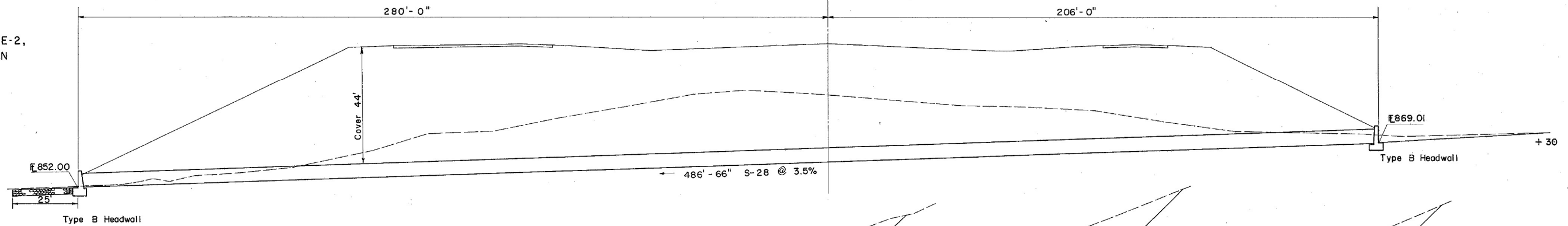
I-10 DUMPED ROCK
 CHANNEL PROTECTION



METHOD OF ESTIMATING E-2,
 STRUCTURE EXCAVATION

AREA = 250 ACRES
 Q50 = 254 C.F.S.

HEADWATER = 8.25 FT.
 OUTLET VELOCITY = 14.5 F.P.S.



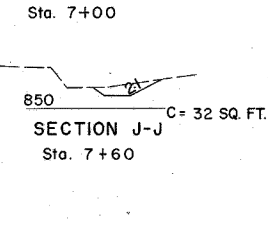
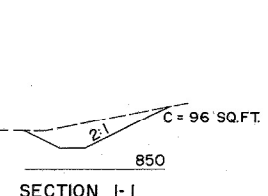
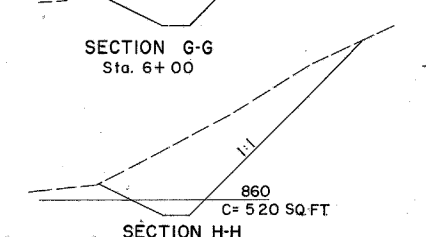
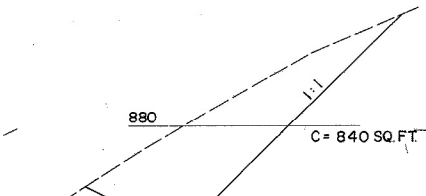
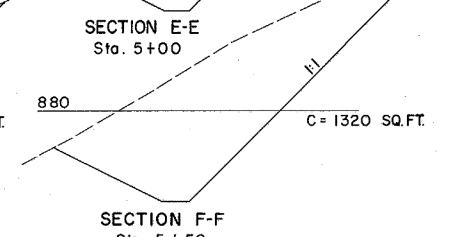
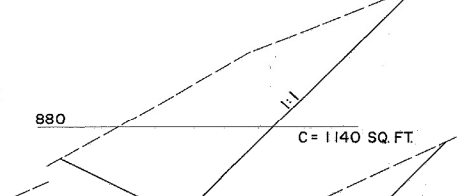
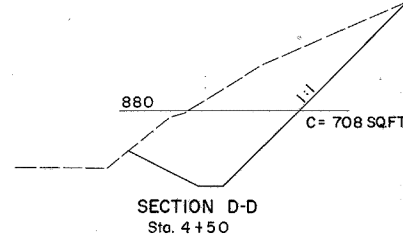
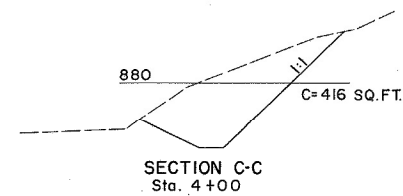
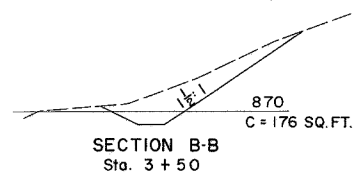
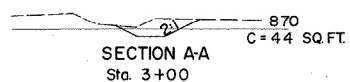
CULVERT DATA

TYPE: S-28 Sec. M-6.4(g) 10-8 Gage
 SIZE: 486' x 66"
 WORK REQ'D.: Build a pipe culvert with Type "B" Headwalls and Sodding Rt. & Lt. as shown. Excavate Channel on Rt. and place dumped rock at Outlet as shown.

ESTIMATED QUANTITIES

*E-2	Excavation for Structures	139 C.Y.
E-3	Channel Excavation	9837 C.Y.
I-10	Dumped Rock Channel Protection	23 C.Y.
L-10	Sodding	11 S.Y.
S-1	Concrete for Structures Class "C"	490 C.Y.
S-1	Concrete for Structures Class "E"	1.37 C.Y.
S-4	Reinforcing Steel	2111 LBS.
S-28	66" Sectional Corrugated Metal Structures Sec. M-6.4(g) 10-8 Gage	486 L.F.

*Includes Excavation for Headwalls



STRUCTURE NO. LAK-1-1173

PIPE CULVERT STA. 265+01