

12" ROADWAY PIPE CULVERT

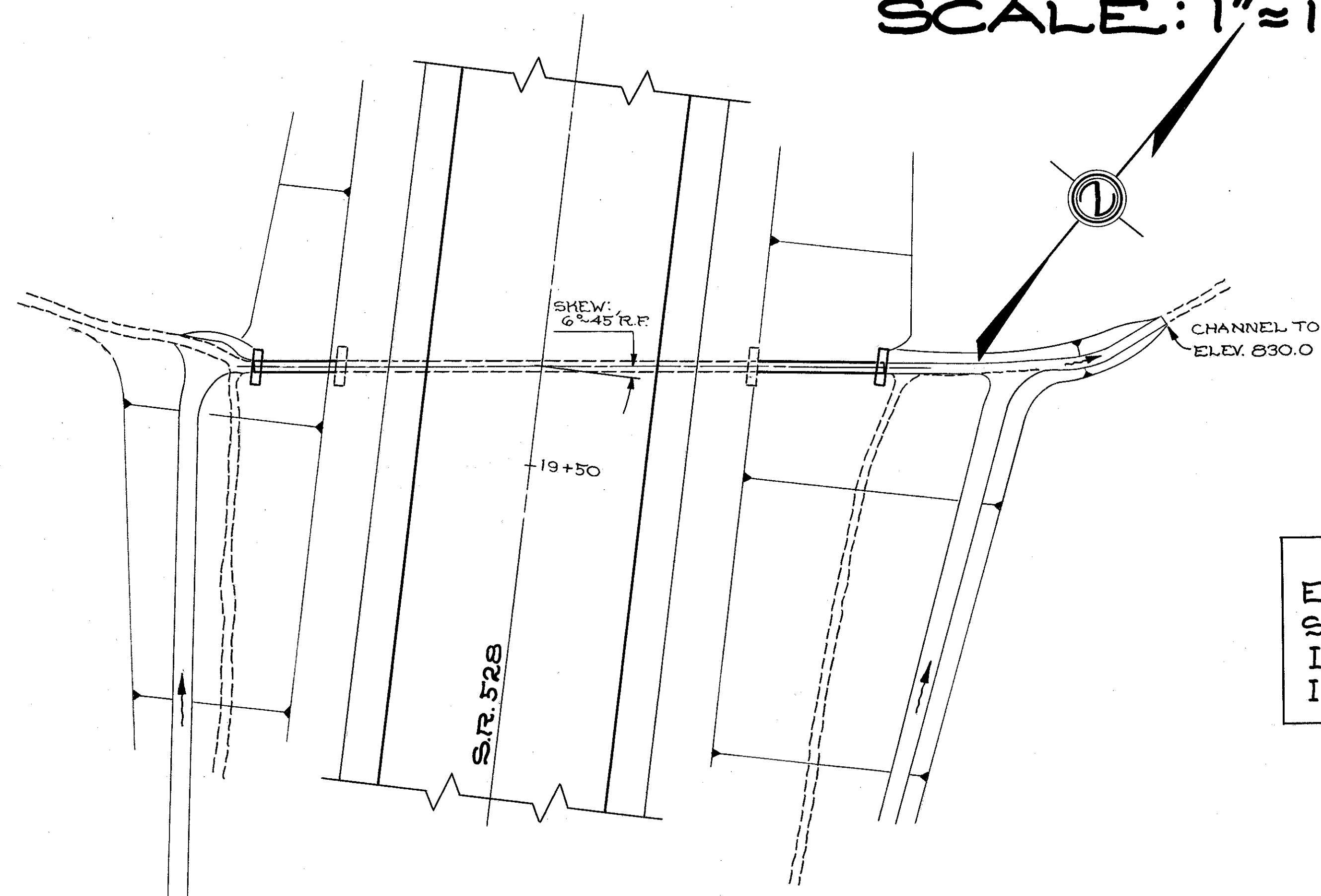
STA. 19+60.5

REF. SHEET
SCALE: 1" = 10'

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

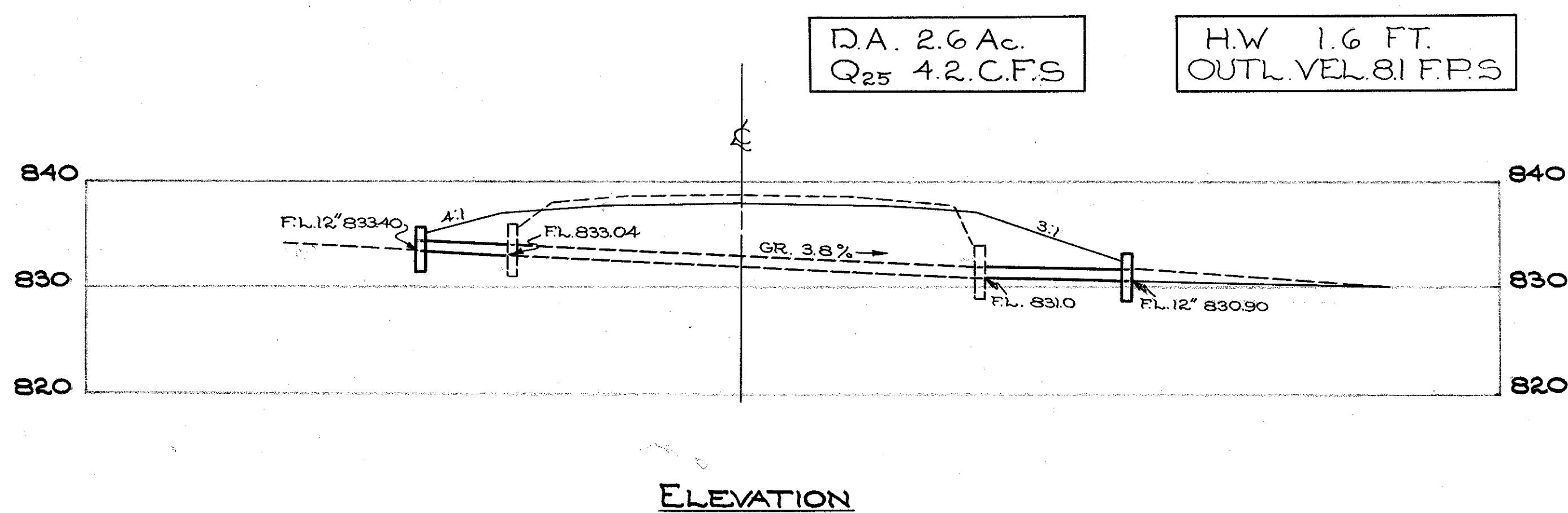
51
70

LAKE COUNTY
LAK. 528-1.24



PLAN

ESTIMATED QUANTITIES	
E-3 CHANNEL EXCAVATION	2.0 CU. YDS.
S-24 REMOVAL OF EXISTING STRUCTURES (HEADWALLS)	LUMP SUM
I-1 12" EXTRA STRENGTH VITRIFIED PIPE SEC. M-6.8(b) CLASS A-1	28 LIN. FT.
I-2 REINFORCED CONCRETE MASONRY	1.3 CU. YDS.



ELEVATION

D.A. 2.6 Ac.
Q₂₅ 4.2 C.F.S

H.W. 1.6 FT.
OUTL. VEL. 8.1 FPS

CULVERT DATA	
SKEW :	6° 45' R.F.
TYPE :	CLASS A-1 M-6.8 (b)
SIZE :	12"
WORK REQUIRED :	EXTEND 12" V.S.P CULVERT 14' ON RIGHT AND 10' ON LEFT SIDE. REMOVE EXISTING HEADWALLS. BUILD REINFORCED CONCRETE HEADWALLS, STD. DRWG. H.W. D RIGHT AND LEFT. EXCAVATE OUTLET CHANNEL 30 FEET.

STRUC. No. LAK-528-0157

12" ROADWAY PIPE CULVERT- STA. 19+ 60.5