

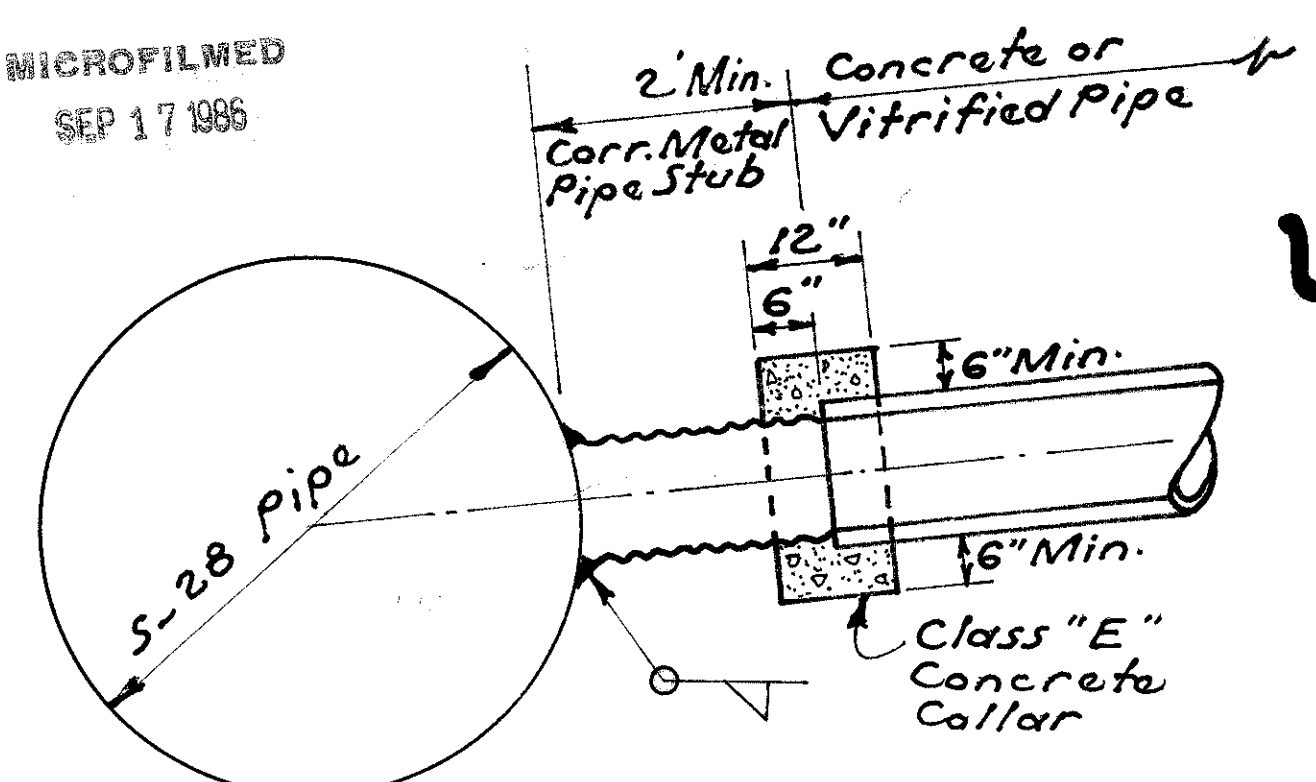
MICROFILMED
SEP 17 1986

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

309
394

15' DIA. PIPE CULVERT UNDER LAKELAND FREEWAY STA. 308+63±

LAKE COUNTY
LAK 2-0.00
SHEET N^o 2 OF 2



DETAIL SHOWING TYPICAL METHOD OF MAKING PIPE CONNECTIONS

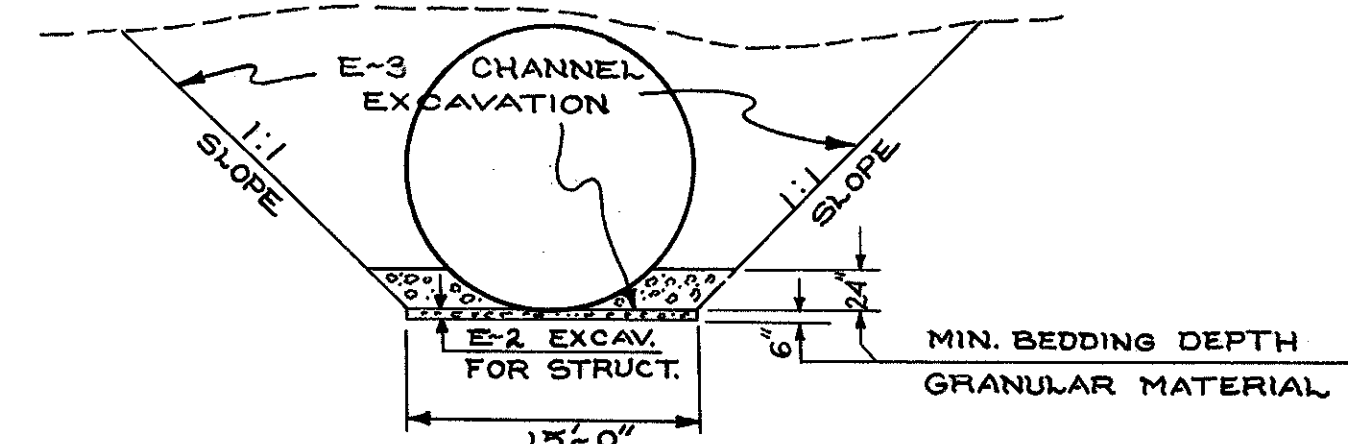
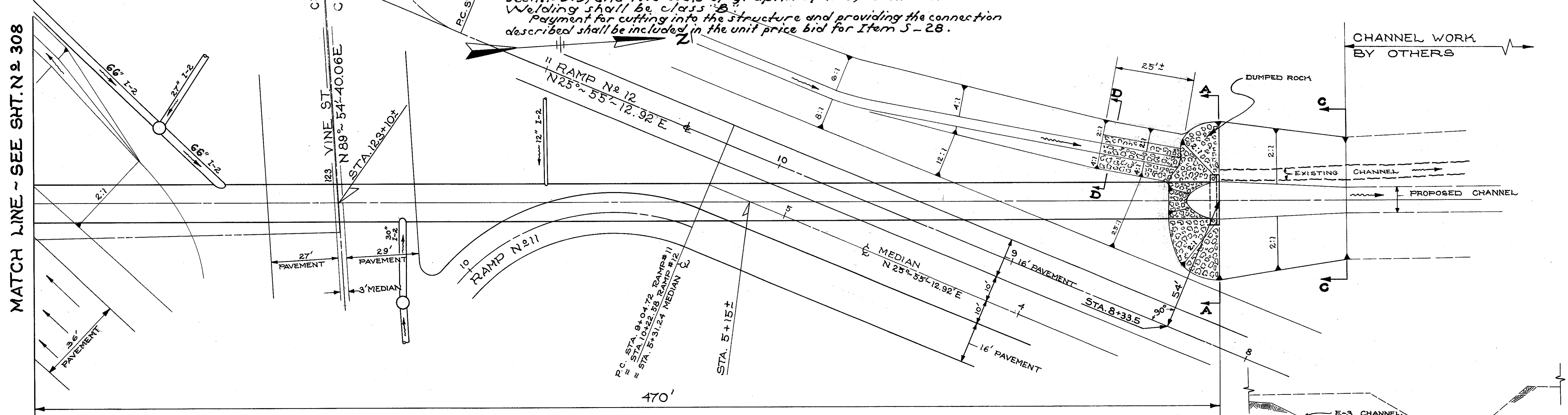
SCALES: HOR. & PLAN 1"=20'
VERTICAL 1"=10'

Note: Connections of proposed longitudinal drainage to the proposed corrugated metal structure shall be by means of a shop fabricated or field welded stub onto the structure. The stub shall meet the requirements of Sec. M-6.4 and have a minimum length of 2 feet and a minimum gage of 14.
Location and elevation of the stub are to be considered approximate and may be adjusted by the Engineer to avoid cutting through joints in the structure.
The field welded joint, if used, shall be painted on the inside and the outside with two coats of red lead, Sec. M-9.9, and two coats of graphite paint, Sec. M-9.11.
Welding shall be class B.
Payment for cutting into the structure and providing the connection described shall be included in the unit price bid for Item S-28.

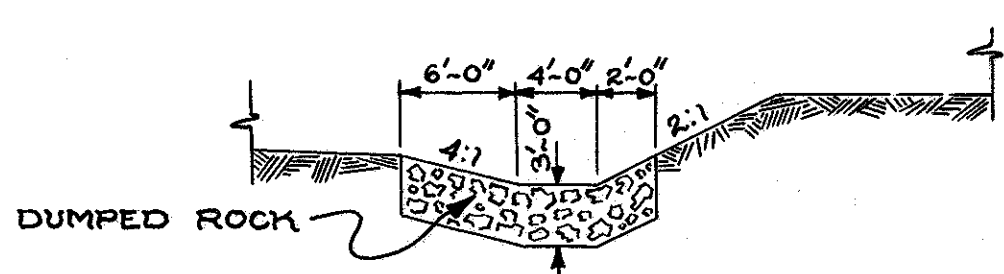
ESTIMATED QUANTITIES:

ITEM E-2	EXCAVATION FOR STRUCTURES	352 CU.YD.
ITEM E-3	CHANNEL EXCAVATION	20,800 CU.YD.
ITEM I-10	DUMPED ROCK CHANNEL PROTECTION	260 CU.YD.
ITEM S-1	CONCRETE FOR STRUCTURES, CLASS "E"	22.5 CU.YD.
ITEM S-28	180" SECTIONAL CORRUGATED METAL STRUCTURE, SEC. M-6.4(g) 1-1 GA., AS PER PLAN	258 LIN. FT.
ITEM S-28	180" SECTIONAL CORRUGATED METAL STRUCTURE, SEC. M-6.4(g) 3-1 GA., AS PER PLAN 104	LIN. FT.
ITEM S-28	180" SECTIONAL CORRUGATED METAL STRUCTURE, SEC. M-6.4(g) 5-3 GA., AS PER PLAN G38	LIN. FT.

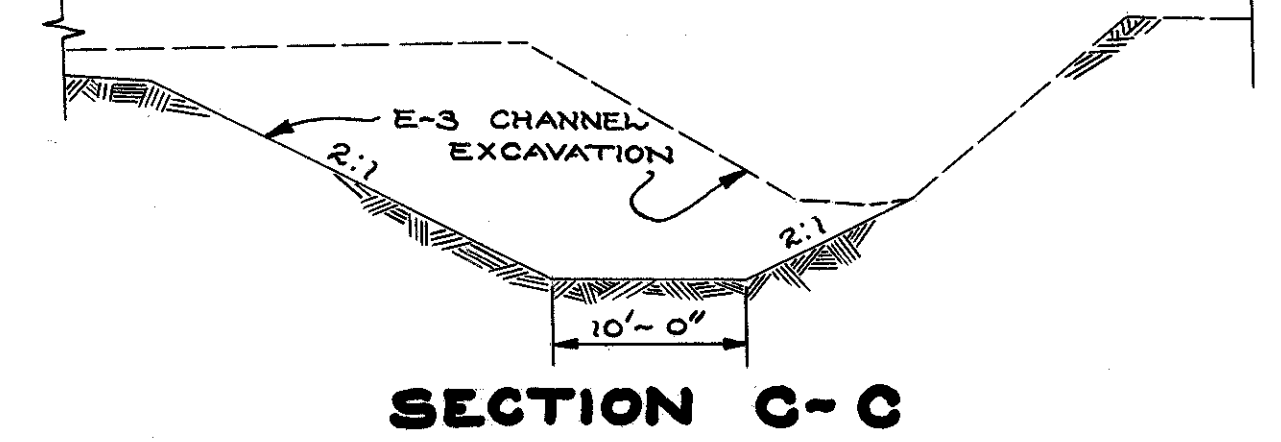
MATCH LINE - SEE SHT. N^o 308



TYPICAL SECTION OF EXCAVATION

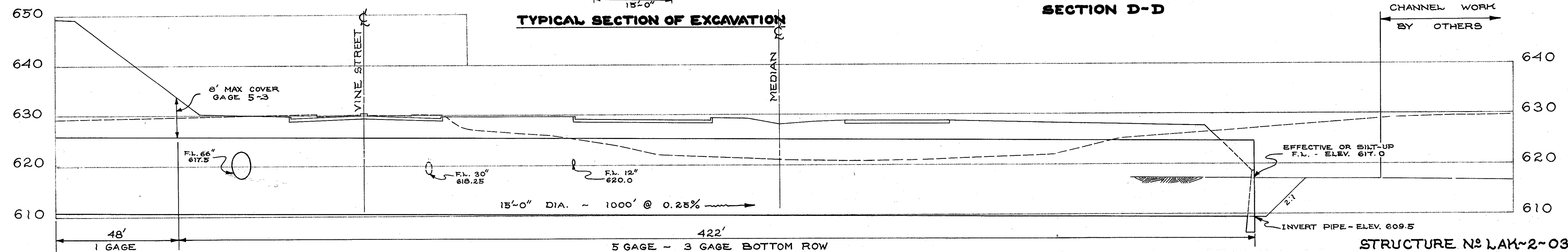


SECTION D-D



SECTION C-C

SEE SHEET N^o 308 FOR SECTION A-A



15' DIA. PIPE CULVERT UNDER LAKELAND FREEWAY STA. 308+63±