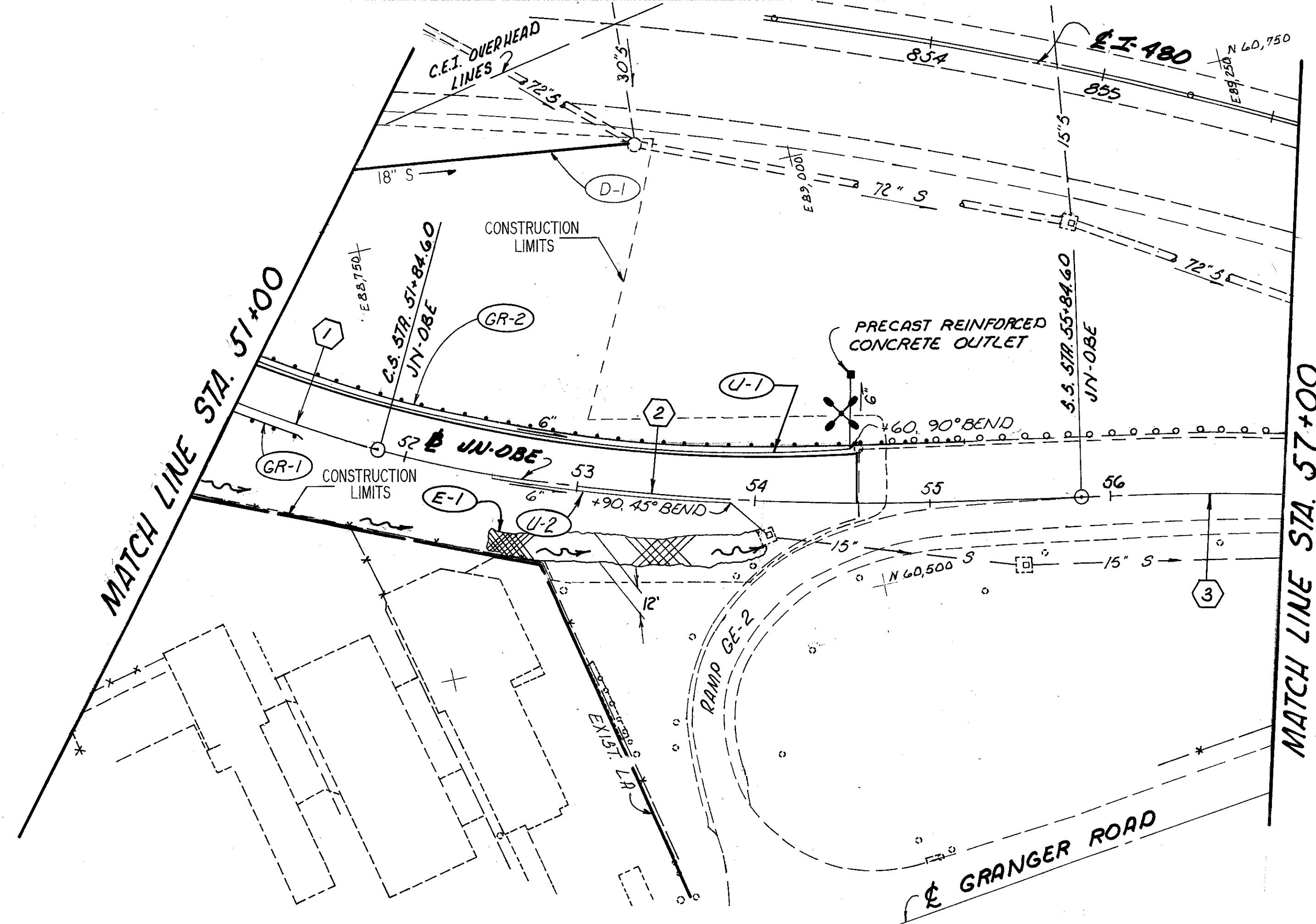


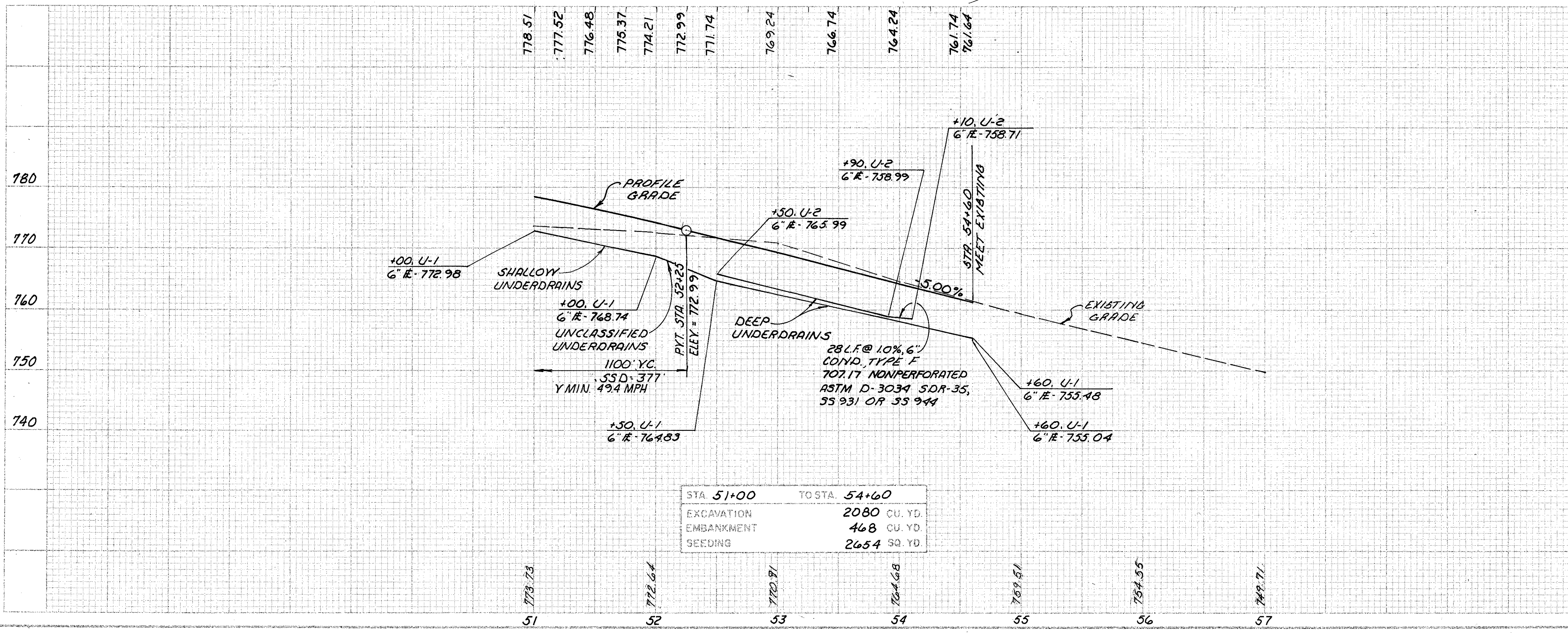
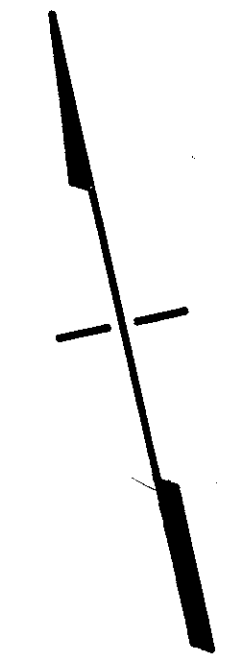
BENCHMARK: TBM 85 CHISELED
 SQUARE IN CONCRETE AT WEST EDGE
 C.B. GRATE NORTH OF ON-RAMP
 FROM BROOKPARK TO I-480
 EASTBOUND LANE JN-OBE
 STA. 48+00 RT.
 ELEV. 761.33



CURVE DATA

①	②
PI. STA. 47+87.18	THETA-6 = 16° 00' 00"
Δ = 79° 38' 00"	LS = 400'
Dc = 8° 01' 07"	XC = 396.89'
R = 714.53'	YC = 37.03'
T = 595.48'	LT = 267.76'
L = 993.10'	ST = 134.33'
CH = 915.07'	LC = 398.62'
E = 215.73'	P = 9.28'
M = 165.70'	K = 199.48'

③
THETA-5 = 16° 02' 14"
LS = 400'
XC = 396.88'
YC = 37.11'
LT = 267.77'
ST = 134.34'
LC = 398.61'
P = 9.30'
K = 199.48'



STA. 51+00	TO STA. 54+60
EXCAVATION	2080 CU. YD.
EMBANKMENT	468 CU. YD.
SEEDING	2654 SQ. YD.

REFERENCES	SHEET NUMBERS
QUANTITIES FOR REFERENCE ITEMS	140
PIPE PROFILES	148

RELOC. S.R. - 176