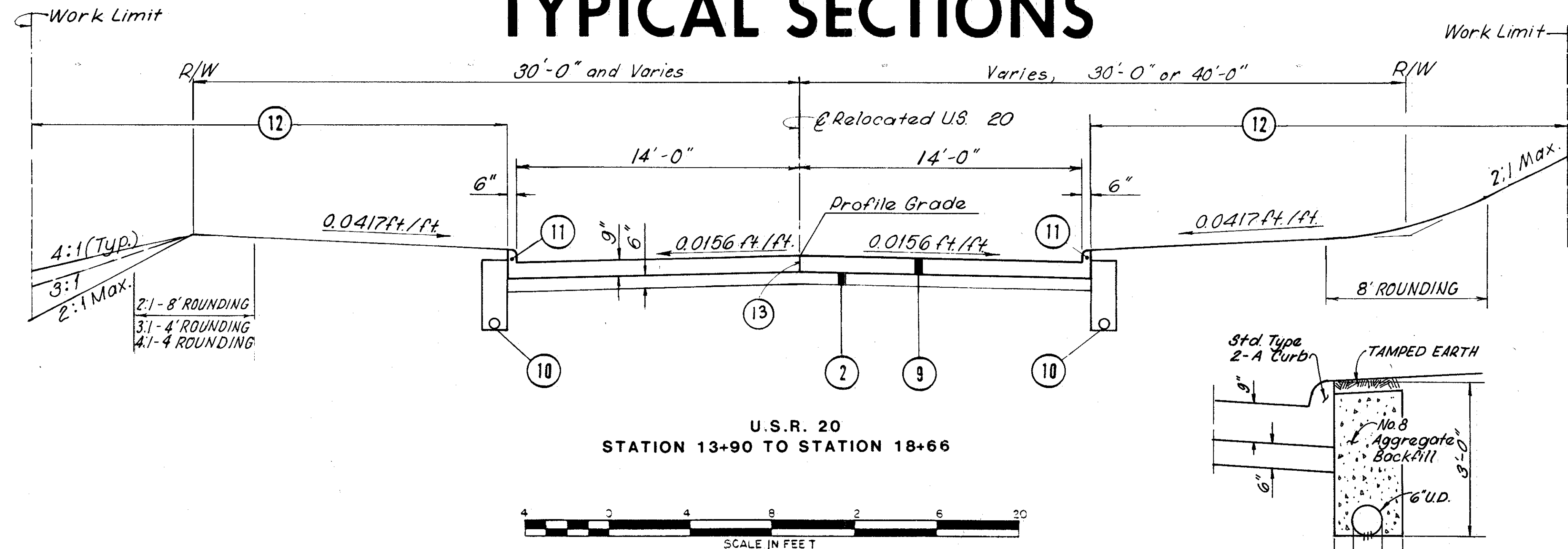
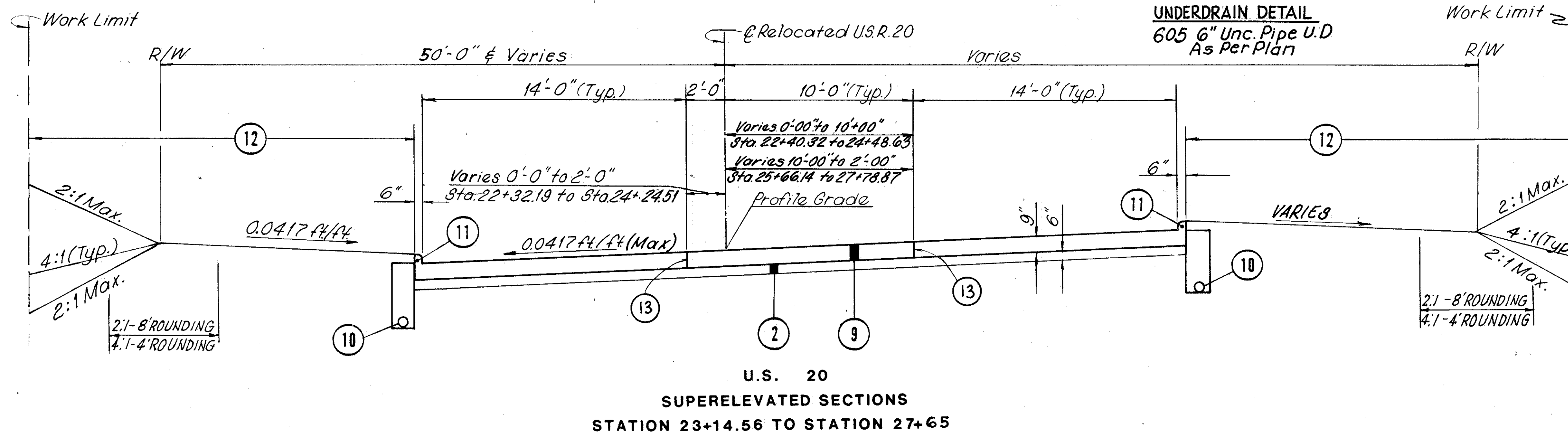
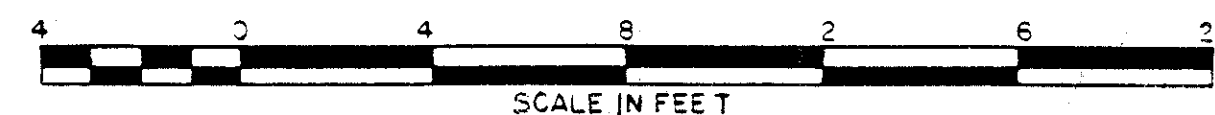


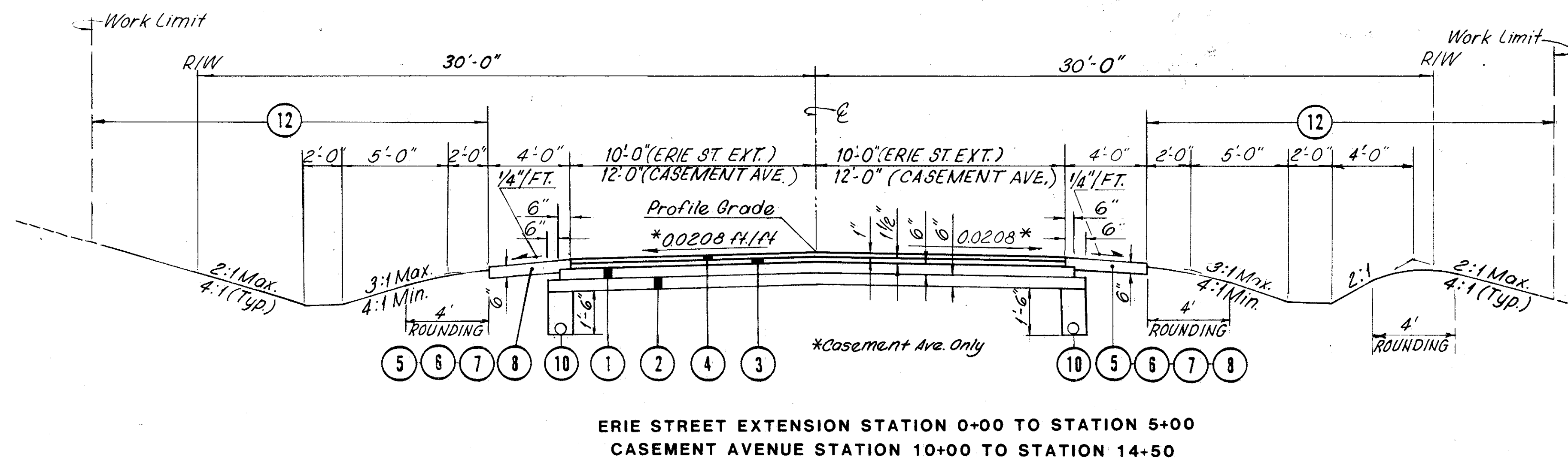
TYPICAL SECTIONS



U.S.R. 20
STATION 13+90 TO STATION 18+66



U.S. 20
SUPERELEVATED SECTIONS
STATION 23+14.56 TO STATION 27+65



ERIE STREET EXTENSION STATION 0+00 TO STATION 5+00
CASEMENT AVENUE STATION 10+00 TO STATION 14+50

SUPERELEVATION			
ERIE STREET			
STA.	10' LEFT SIDE	℄	10' RIGHT SIDE
1+15.57	650.30	651.51	650.51
1+25	650.83	651.01	650.98
1+50	651.28	651.37	651.25
1+74.80	651.68	651.68	651.47
1+93.13	652.00	651.90	651.69
2+00	652.13	651.99	651.78
2+11.36	652.34	652.13	651.92
2+25	652.51	652.30	652.09
2+50	652.82	652.61	652.40
2+75	653.13	652.92	652.71
3+00	653.44	653.23	653.02
3+25	653.75	653.54	653.33
3+50	654.06	653.85	653.64
3+75	654.37	654.16	653.95
4+00	654.68	654.47	654.26
4+25	654.99	654.78	654.57
4+44.55	655.23	655.02	654.81
4+50	655.27	655.09	654.88
4+62.78	655.35	655.25	655.04
4+81.01	655.47	655.47	655.26

F.H.A. REGION	STATE	PROJECT
5	OHIO	

LAKE COUNTY
LAK-20-17.14

SUPERELEVATION			
CASEMENT AVE.			
STATION	LT. SIDE	℄	RT. SIDE
11+79.08	650.47	650.11	649.75
12+00	651.60	651.24	650.88
12+50	654.56	654.20	653.84
13+00	658.02	657.66	657.30
13+50	661.93	661.60	661.27
13+59.46	662.67	662.35	662.03
13+75	663.75	663.57	663.39
13+77.11	663.90	663.74	663.58
14+00	665.56	665.54	665.52
14+03.36	665.80	665.80	665.80
14+25	667.45	667.51	667.45
14+50	669.36	669.48	669.36

LEGEND

REF. NO.	ITEM NO.	DESCRIPTION
①	301	BITUMINOUS AGGREGATE BASE AC-20, RT-11, RT-12
②	310	SUBBASE, TYPE II
③	402	ASPHALT CONCRETE AC-20
④	404	ASPHALT CONCRETE AC-20,
⑤	408	BITUMINOUS PRIME COAT, 0.4 GAL./SQ. YD.
⑥	409	SEAL COAT BITUMINOUS MATERIAL, 0.3 GAL. SQ. YD.
⑦	409	SEAL COAT COVER AGGREGATE NO. 8, 0.008 CY/SQ. YD.
⑧	411	STABILIZED CRUSHED AGGREGATE
⑨	451	9" REINFORCED CONCRETE PAVEMENT
⑩	605	6" UNCLASSIFIED PIPE UNDERDRAINS As per plan
⑪	609	CURB, STANDARD TYPE 2-A
⑫	659	SEEDING AND MULCHING
⑬		STANDARD LONGITUDINAL JOINT

SUPERELEVATION U.S. RT. 20			
STATION	LT. SIDE	℄	RT. SIDE
21+00	629.80	630.02	629.80
21+25	631.14	631.36	631.20
21+50	632.58	632.80	632.71
21+75	634.04	634.26	634.23
21+87.36	634.73	634.85	634.95
22+00	635.42	635.64	635.71
22+25	636.71	636.93	637.15
22+25.58	636.73	636.95	637.17
22+38.42	637.83	637.59	637.30
22+50	637.80	638.14	638.49
22+75	638.81	639.27	639.77
23+00	639.73	640.91	640.97
23+07.69	639.99	640.61	641.33
23+50	641.51	642.15	642.86
24+00	643.00	643.66	*
24+50	644.17	644.84	*
25+00	645.02	645.69	646.69

* SHOWN ON INTERSECTION DETAILS.

WOODRUFF, INC.
CONSULTING ENGINEERS
CLEVELAND, OHIO

REFERENCES!	Intersection Details	Pg. 36
	Grading Plans	Pgs. 38-39
	Cross Sections	Pgs. 18-28 & 30-31

NOTE:
ROUNDING OF CORNERS SHOWN ON CROSS SECTIONS The rounded corners shown on the typical sections, apply to all cross sections even though otherwise shown on these plans.