

# TYPICAL SECTIONS

## TYPE T-71 & TYPE T-35 on B-19

FED. RD. DIVISION	STATE	PROJECT	8
2	OHIO	T-1102 (6)	458

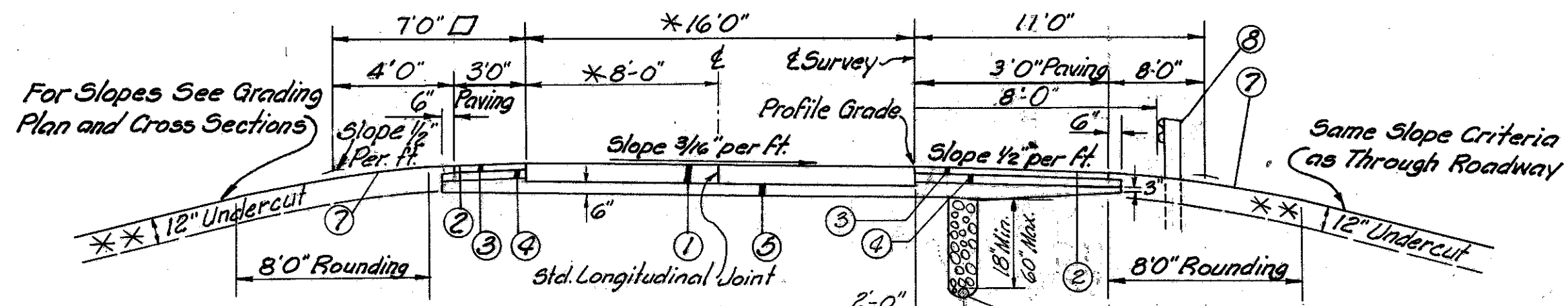
CUYAHOGA & LAKE COUNTIES  
 CUY-1-15.91  
 LAK-1-0.00

### WILSON MILLS RD. INTERCHANGE:

- \* Ramp "A" Paved Berm. Transition rate of slope from  $3/16"$  per ft. at Sta. 7150.02 to  $1/8"$  per ft. at Sta. 11435
- \* Ramp "D" Paved Berm. Transition rate of slope from  $1/2"$  per ft. at Sta. 30103 to  $3/16"$  per ft. at Sta. 34161.20

### EUCLID SPUR INTERCHANGE:

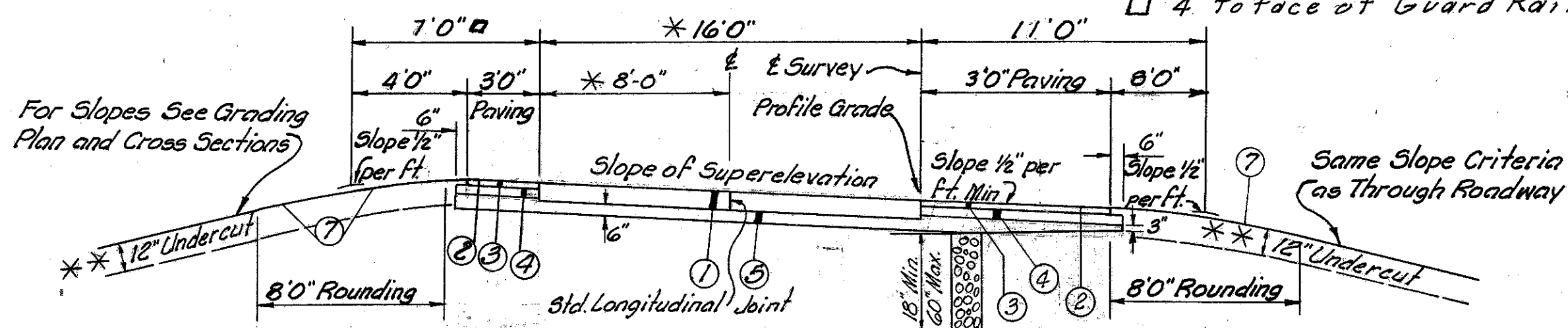
- \* Ramp "A" Paved Berm, Transition from 13' Pavement Rounding ( $3/16"$ /ft. slopes) @ Sta. 25146.12 to 5' Rounding adjoining Pavement, then the remaining 15' @  $1/2"$ /ft. Slope @ Sta. 24127.
- \* Ramp "C" Paved Berm, Transition rate of slope from  $7/32"$ /ft. (Fixed Pav't. Super-elevation at nose point) Sta. 8113.64 to  $1/2"$ /ft. @ Sta. 10162.
- \* Ramp "B" Paved Berm. Transition rate of slope from  $1/2"$ /ft. @ Sta. 25103 to  $3/16"$ /ft. @ Sta. 26185.07.



TYPICAL RAMP SECTION  
 WILSON MILLS ROAD INTERCHANGE  
 Scale:  $3/16" = 1'-0"$

\* Ramps "A" & "D" = 16' Pav't. Width  
 Ramps "B" & "C" Variable 24' to 16'

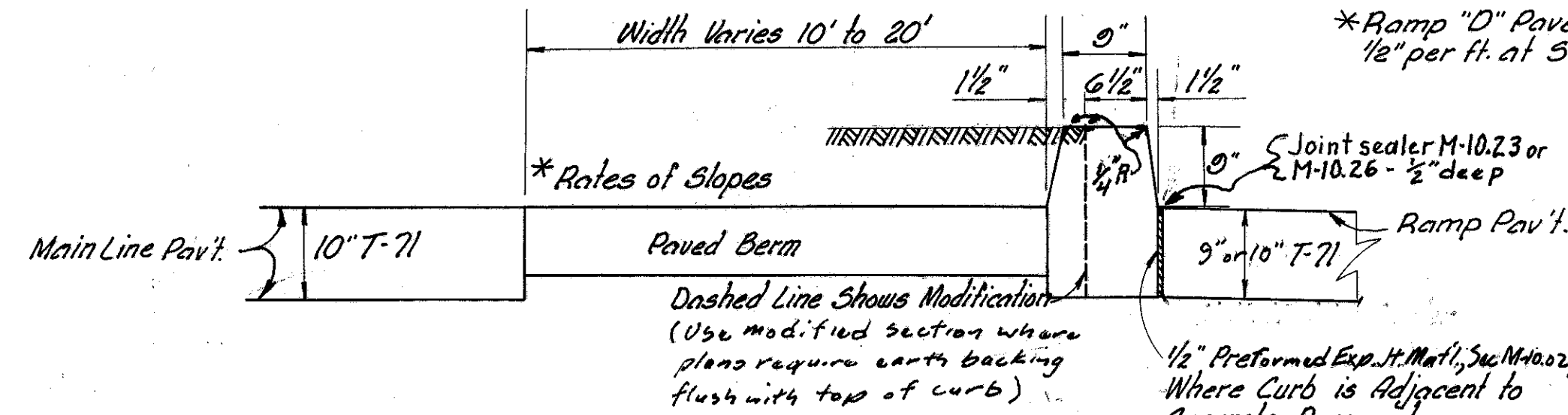
\*\* Ramp "A" Sta. 11100 To Sta. 17100  
 Ramp "C" Sta. 13100 To Sta. 16150  
 Shale will be encountered as shown on cross-sections. This area to be undercut 12" as per cross-sections and backfilled with Item L-3 Stockpiled Topsoil.  
 □ 4' to face of Guard Rail, if specified



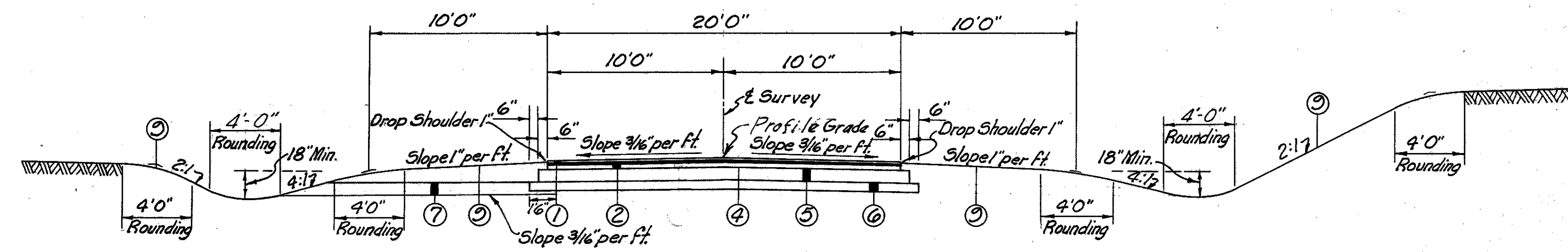
TYPICAL SUPERELEVATED RAMP SECTION  
 WILSON MILLS ROAD INTERCHANGE  
 Scale:  $3/16" = 1'-0"$

### LEGEND - RAMPS

- ① T-71 9" Reinforced Portland Cement Concrete Pavement
- ② T-31 Bituminous Surface Treatment (See Proposal)
- ③ B-219 3" Waterproofed Aggregate Base Course
- ④ I-18 5" Stabilized Crushed Aggregate Shoulders & Approaches
- ⑤ I-22 Subbase (Variable Depth), Grading A or B, as per Plan
- ⑥ I-4 6" Pipe Underdrain (If in Rock or Shale Cut, use Sec. M-6.4(h) with 18" Cover.)
- ⑦ L-9 Seeding and Protecting
- ⑧ I-15 Guard Rail, Steel Beam Standard Type (Deep)

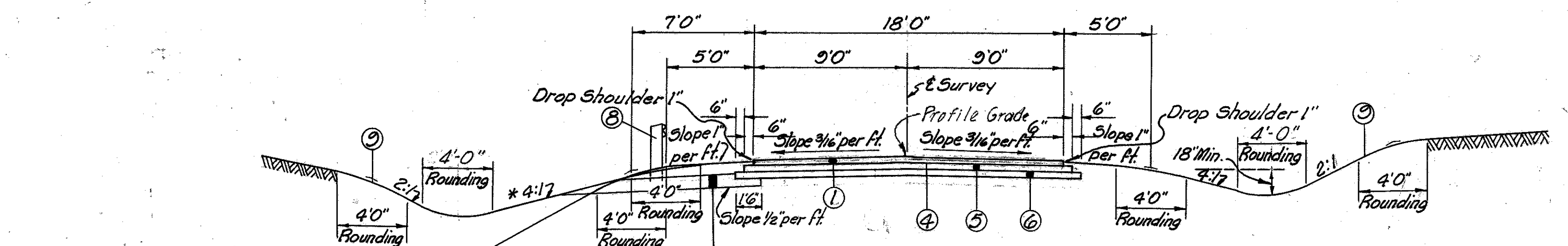


SPECIAL PORTLAND CEMENT CONCRETE CURB DETAIL  
 Scale:  $3/4" = 1'-0"$



TYPICAL SECTION - HIGHLAND ROAD "F"

Scale:  $3/16" = 1'-0"$   
 Limiting Stations  
 Sta. 5100 - Sta. 15100 1000.00 L.F.  
 Deduct for bridge 437.18 L.F.  
 Total 562.82 L.F.



TYPICAL SECTION - WHITE ROAD "G"

\*Note:  
 4:1 Slopes Without Guard Rail for Fills up to 6'  
 2:1 Slopes With Guard Rail for Fills Over 6'  
 Scale:  $3/16" = 1'-0"$   
 Limiting Stations  
 Sta. 0138 To Sta. 2158 = 220.00 L.F.  
 Sta. 7128.83 To Sta. 12126.17 = Bridge  
 Sta. 17123.72 To Sta. 18150 = 126.28 L.F.  
 Total: 346.28 L.F.

### LEGEND - HIGHLAND ROAD & WHITE ROAD

- ① T-35 Asphaltic Concrete Surface Course Type "C" (70-85)
- ② B-35 Asphaltic Concrete Leveling Course (70-85)
- ④ T-30 Bituminous Prime Coat Sec. M-5.7, RT-2 or RT-3, applied at the rate of 0.40 Gallon per Sq. Yard.
- ⑤ B-19 Aggregate Base Course
- ⑥ I-22 Subbase, Grading A or B, as per plan
- ⑦ I-9 Stone Underdrain (No. 2) Staggered at 50' Intervals as Directed by Engineer
- ⑧ I-15 Guard Rail-Steel Beam Standard Type (Deep)
- ⑨ L-9 Seeding and Protecting

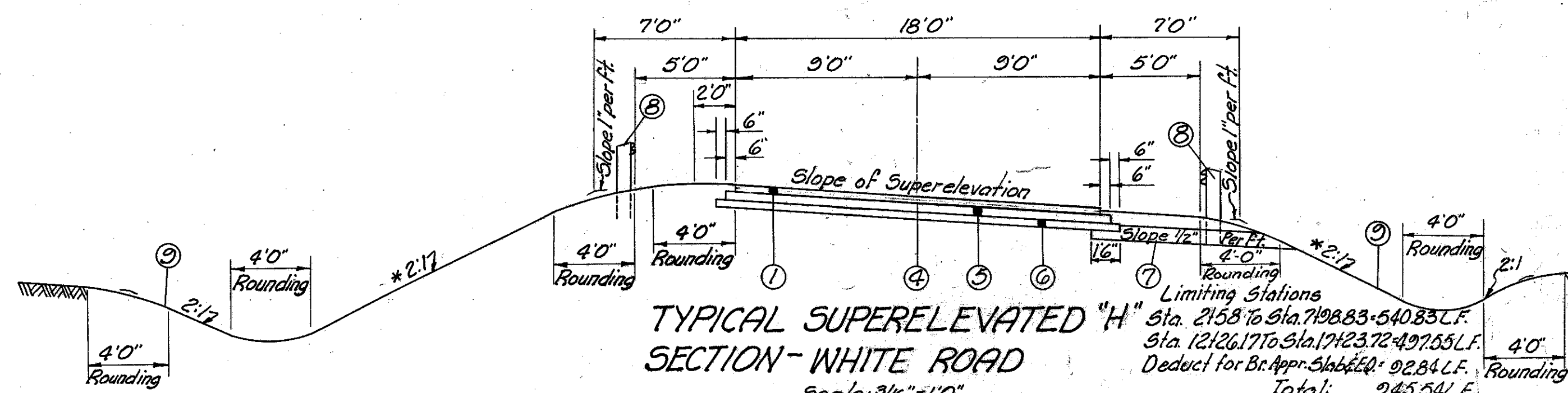
	HIGHLAND ROAD	WHITE ROAD
①	1 1/4"	1 1/2"
②	1 1/4"	1 1/2"
④	8"	5"
⑤	5"	4"

\* Note: This 1/2" thickness if Type C material is furnished, shall be placed in two courses, each 3/8" in thickness. In lieu thereof, the Contractor may at his own option, furnish and place Type A material in one single course 1/2" thick.

MICHAEL BAKER JR., CONSULTING ENGINEERS  
 ROCHESTER, PENNSYLVANIA

STATE OF OHIO  
 DEPARTMENT OF HIGHWAYS  
 STATE HIGHWAY NO. 11  
 C-41  
 TYPICAL SECTIONS

Designed	Drawn	Traced	Checked	Reviewed Date	Revised
W.T.P.	H.G.	H.G.	R.E.F.		
	W.T.P.	K.L.G.			



TYPICAL SUPERELEVATED "H" SECTION - WHITE ROAD  
 Scale:  $3/16" = 1'-0"$

Limiting Stations  
 Sta. 2158 To Sta. 7128.83 = 540.83 L.F.  
 Sta. 12126.17 To Sta. 17123.72 = 497.55 L.F.  
 Deduct for Br. Appro. Slab 24' = 92.84 L.F.  
 Total: 945.54 L.F.