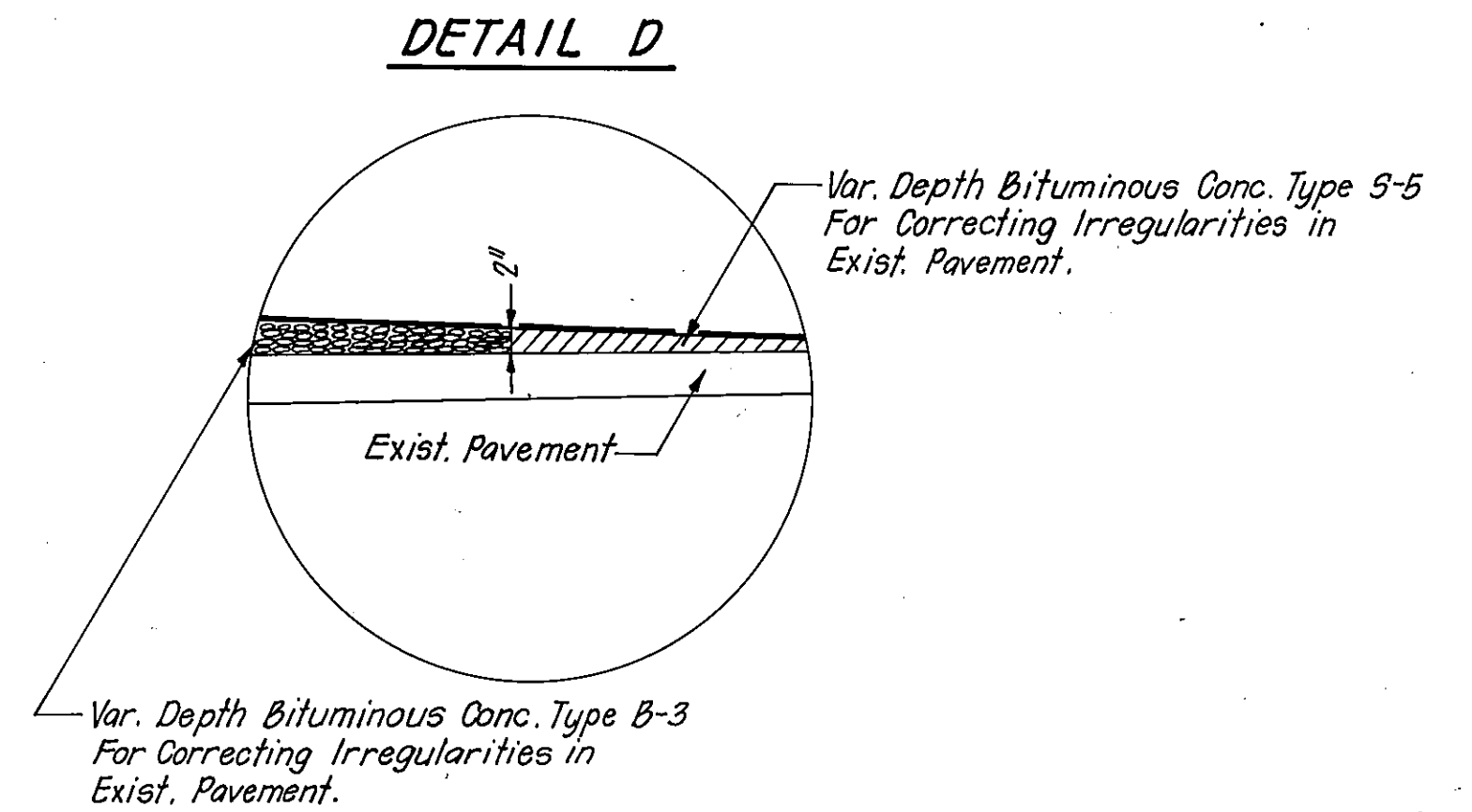
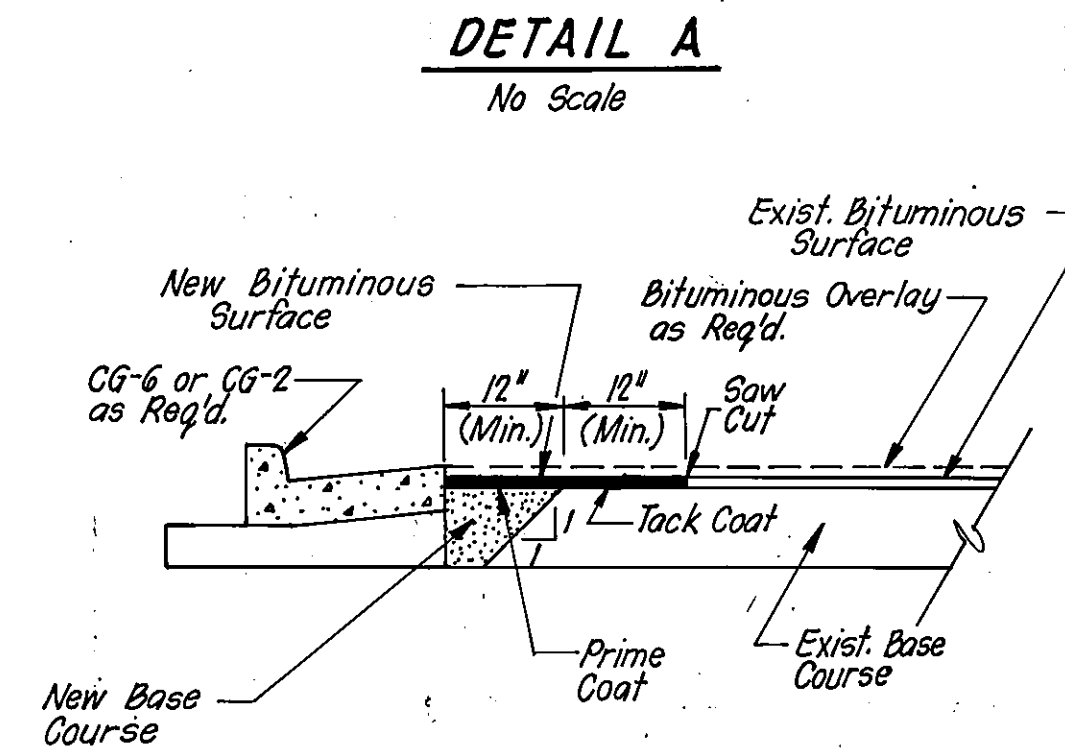
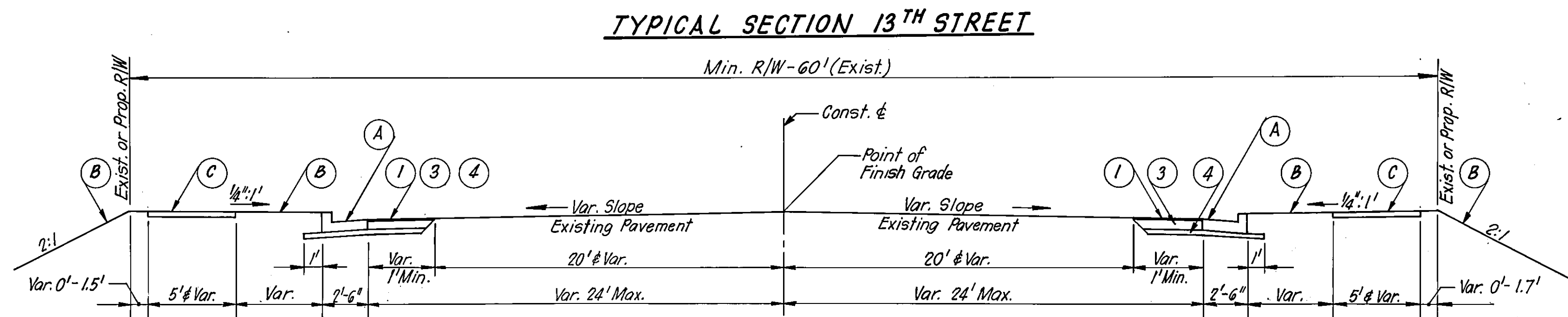
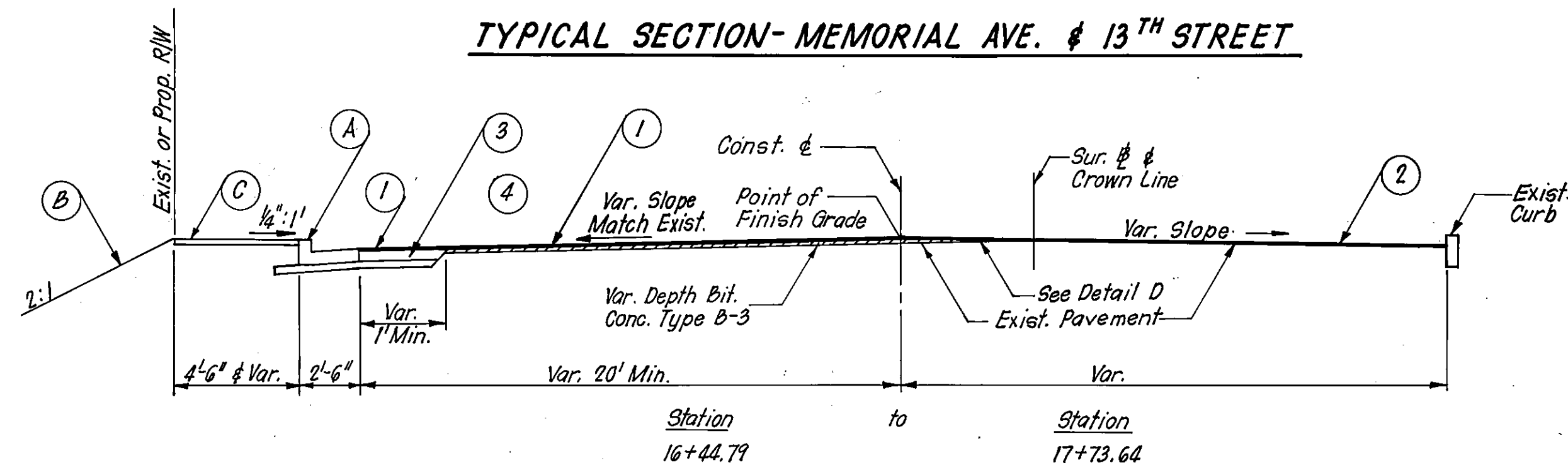
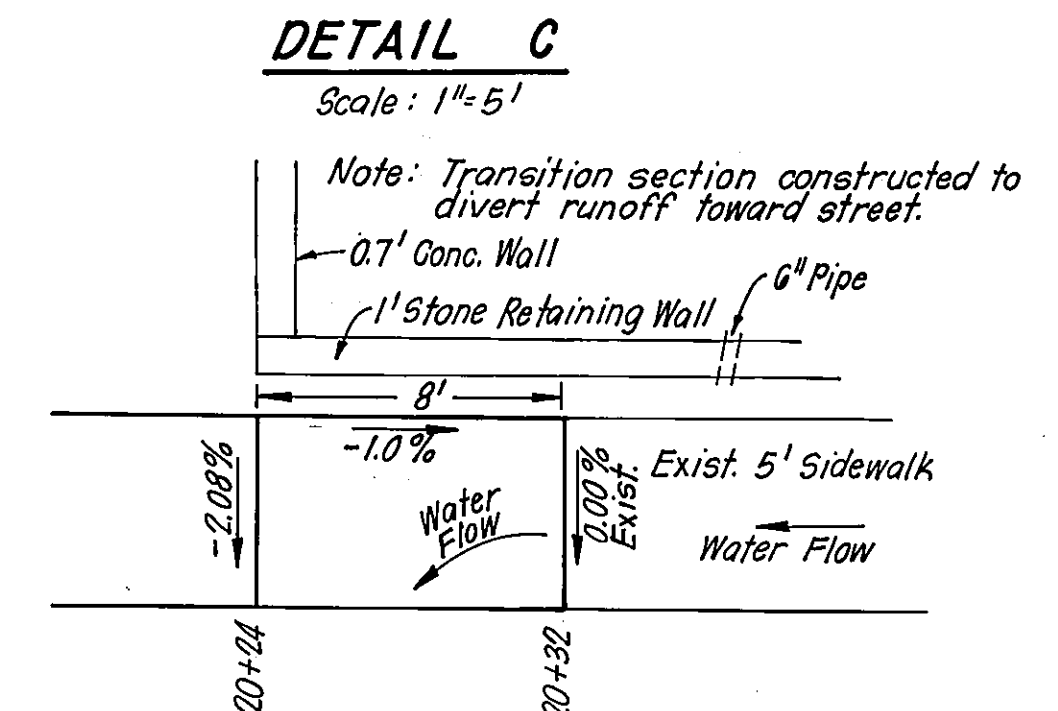
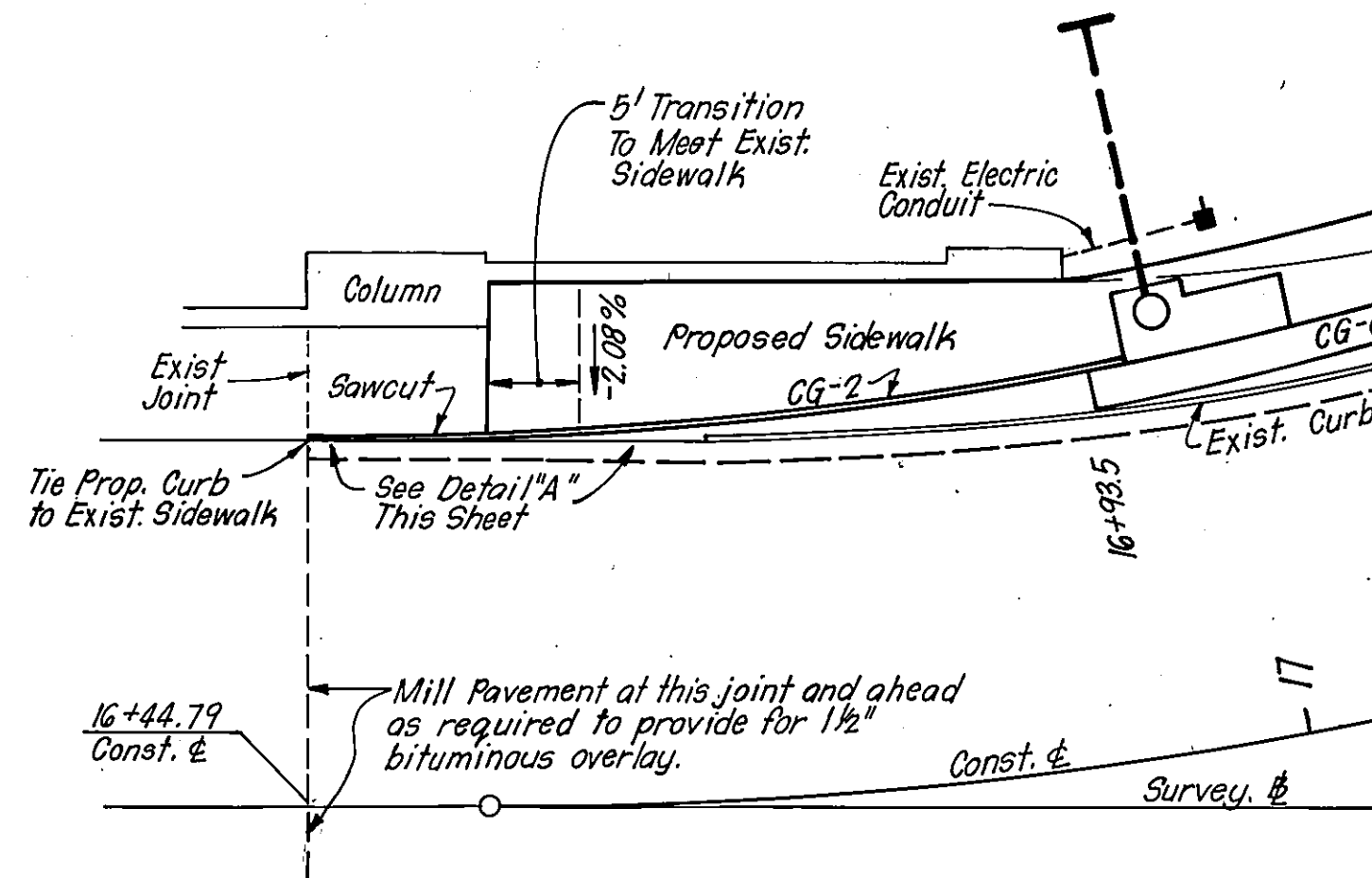


F.H.W.A. REGION	STATE	FEDERAL AID		STATE		SHEET	TOTAL
		ROUTE	PROJECT	ROUTE	PROJECT	NO.	SHEETS



DETAIL B

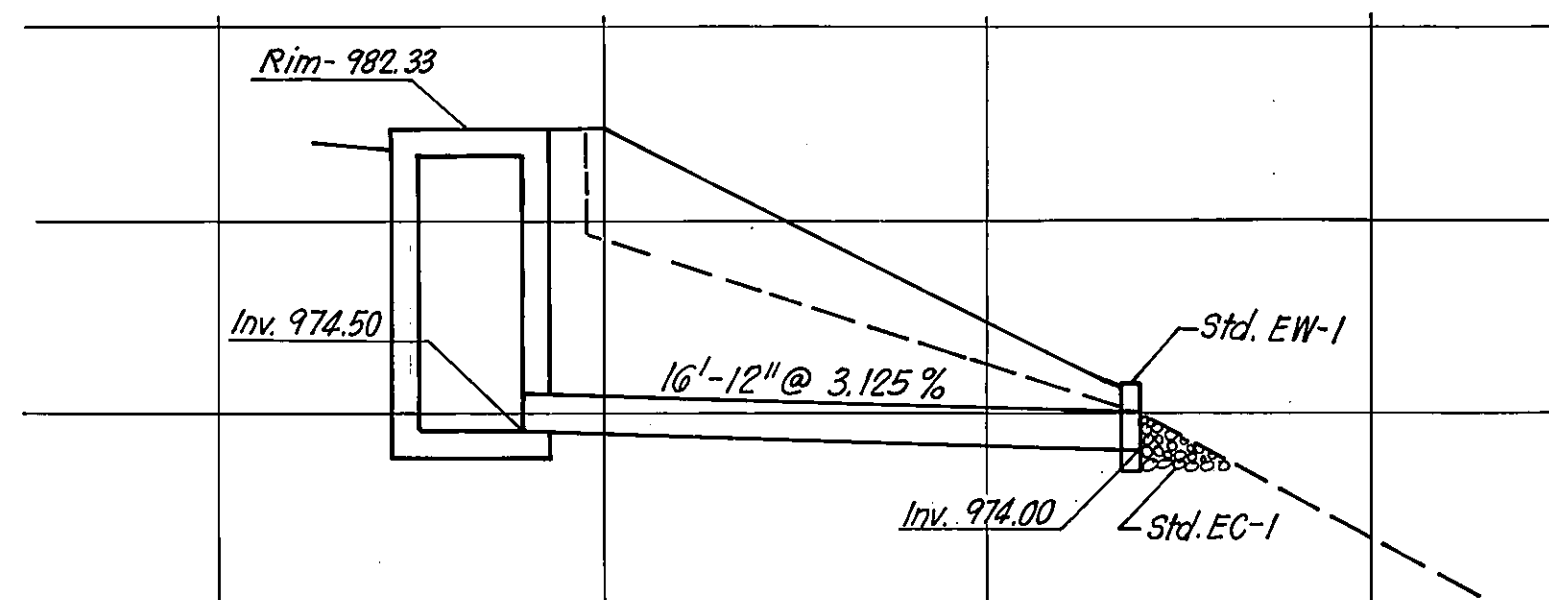
Scale: 1"=10'



- ① Surface Course - Bituminous Concrete Type S-5 @ 165 lbs. per sq. yd.
- ② Surface Course - Bituminous Concrete Type S-5 @ 115 lbs. per sq. yd.
- ③ Base Course - 5 1/2" Bituminous Concrete Type B-3
- ④ Aggregate Base Material, Type I, Size 21 or 21A - Minimum Depth 4".
- Ⓐ Combination Curb & Gutter CG-6 (or CG-2 as Required).
- Ⓑ Seeding
- Ⓒ Var. Width x 4" Cement Concrete Sidewalk.

PIPE PROFILE

Lt. Sta. 16+95



SUMMARY OF QUANTITIES

Description	Unit	Quantity
Mobilization	L.S.	-
Regular Excavation	C.Y.	10
Borrow Excavation	C.Y.	10
12" Pipe	L.F.	16
Bedding Material, Aggr. No. 25 or 26	C.Y.	0.2
DI-3B (8' H=7.83')	EA.	1
Class A-3 Conc. for EW-1	C.Y.	0.24
Erosion Control Treatment, EC-1 Type A	C.Y.	0.5
Full Depth Pavement	S.Y.	76
Std. Conc. Curb CG-2	L.F.	105
Combination Curb & Gutter CG-6	L.F.	137
4" Cement Concrete Sidewalk	S.Y.	156
Entrance Gutter CG-9	S.Y.	48
Relocate Guardrail	L.S.	1
Tree Removal	EA.	1
Landscaping	AC.	0.1
Baled Straw and/or Silt Fence	L.F.	500
Overlay		
Bituminous Overlay	S.Y.	743
Manhole Adjustment (water main)	EA.	1

GENERAL NOTES CON'T.

INCIDENTALS

No allowance will be made for the following items. Their costs shall be included in the unit price bid for other items of work.

The removal of all existing curb & gutter, sidewalk, pipelines, drainage structures, building foundations and floors below present ground level, the plugging of storm or sanitary pipe and other incidentals within the limits of R/W as directed by the engineer.

GENERAL NOTES

This project is to be constructed in accordance with Virginia Department of Highways and Transportation Road and Bridge Specifications Dated July 1, 1982 and Road and Bridge Standards Dated July 1, 1982 as amended by contract provisions and these plans.

GRADING

The grade line denotes top of finished pavement unless shown otherwise on typical sections or plans.

No allowance will be made for the milling of existing pavement necessary to bring the required bituminous overlay to finish-grade line as shown on plans or typical sections. The cost for pavement milling shall be included in unit prices for other items of work.

DRAINAGE

The pipe culvert shall be concrete to conform with the applicable fill height limitations. For strength requirement, available sizes, height of fill limitation and method of bedding required, see Standard Drawing PB-1 and PC-1.

PAVEMENT

The materials listed below are to be paid for on a tonnage basis on this project. The theoretical tonnage shown on these plans is based on the weight shown hereon. The weight will vary in accordance with the specific gravity of the aggregates and the asphaltic content of the mix actually used to secure the design depth.

4" Aggregate Subbase Material Size 21 or 21A @ 145 Lbs. Per Cubic Foot
1" Bituminous Concrete Type S-5 & B-3 @ 115 Lbs. Per Sq. Yd.

REVISION	DATE	DESCRIPTION	BY	APP
DESIGNED	MSA	13TH STREET OVER NW RAILWAY CITY OF ROANOKE, VIRGINIA ROADWAY TYPICAL SECTION AND DETAILS		
DRAWN	JLS			
CHECKED	MSA			
APPROVED	Hott			
SUBMITTED	Hot			
HAYES, SEAY, MATTERN & MATTERN		SCALE	NO SCALE	COMM. NO. 2802A
ARCHITECTS - ENGINEERS - PLANNERS		DATE	JULY 1983	SHEET 4 OF 20
ROANOKE, VIRGINIA				

DRAWN BY:
TRACED BY:
CHECKED BY: