

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
HAM-275-10.66

GREEN TOWNSHIP
COLERAIN TOWNSHIP
HAMILTON COUNTY

selected sheets
for reference only

FHWY REGION	STATE	PROJECT	
5	OHIO	1-275-3(10)28	
HAM-275-10.66 HAMILTON COUNTY			

1-275-3(10)28

LIMITED ACCESS

This improvement is especially designed for through traffic and has been declared a limited access highway or freeway by action of the Director of Transportation in accordance with the provisions of Section 5511.02 of the Revised Code of Ohio.

1975 SPECIFICATIONS

The standard specifications of the State of Ohio, Department of Transportation including changes and supplemental specifications listed in the proposal shall govern this improvement.

The right of way for this improvement will be provided by the State of Ohio.

I hereby approve these plans and declare that the making of this improvement will not require the closing to traffic of the highway and that provisions for the maintenance and safety of traffic will be as set forth on these plans and estimates.

Approved: R. B. Bowers District Deputy Director of Transportation
Date: 11/15/75

Approved: Robert B. Bowers Engineer, Bureau of Bridges
Date: 2-21-75

Approved: E. J. Schaff Engineer, Bureau of Roadway Design
Date: 2-15-75

Approved: John B. Ellis Assistant Deputy Director for Highway Design
Date: 7-15-75

Approved: P. W. Biddle Assistant Deputy Director for Real Estate
Date: 7-15-75

Approved: Howard E. N... Assistant Deputy Director for Program Development
Date: 7-15-75

Approved: Donald L. Cuthbert Chief Engineer, Design
Date: 9-15-75

Approved: David J. Miller Assistant Director, Department of Transportation
Date: 9-15-75

Approved: Richard D. Jackson Director, Department of Transportation
Date: 7/15/75

PREPARED BY
VOGT, IVERS & ASSOCIATES, INC.
ENGINEERS ARCHITECTS
CINCINNATI, OHIO

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED

DIVISION ENGINEER

DATE

CONVENTIONAL SIGNS

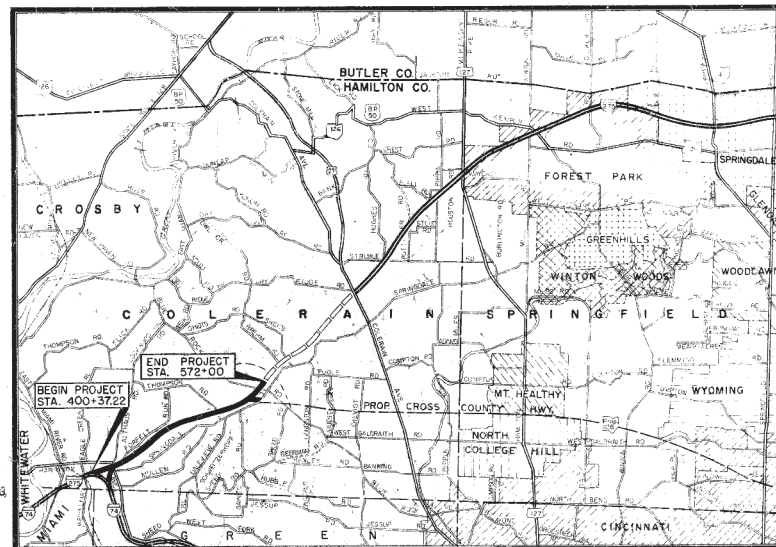
County Line	
Township Line	
Center Line	
Corporation Line	
Section Line	
Fence Line	
Guard Rail	Existing Proposed
Railroad	
Pole Line	Power Telephone
Trees or Stumps (existing)	
Existing Right of Way	Exist. R/W
Property Line	LA
Limited Access only	R/W
Right of Way only	LA - R/W
Limited Access & Right of Way	Water Gas Telephone Electric
Existing Underground Utilities	Existing Proposed
Sewers	

INDEX OF SHEETS

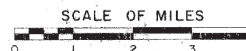
Title Sheet	1
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Sheet Numbers Not Used	53, 54, 56, 71, 314, 354, 459, 493A-C, 500, 500A-D, 501, 501A-E, 521-527, 530-533

LINE DATA

BEGIN PROJECT	Sta. 400+37.22
END PROJECT	Sta. 572+00.00
Gross Length Project (Rural)	17,162.78 Lin. Ft.
Deduct For Easement Sta. 524+04.30 Back=	315 Lin. Ft.
Sta. 524+07.45 Ahead	
Net Length Project (Rural)	17,159.63 Lin. Ft. or 3.250 Mi.
Add For Approaches and Side Roads	
West End I-74 Sta. 490+71 to Sta. 497+48	677.00 Lin. Ft.
Equation I-74 Sta. 497+48 to Sta. 394+36.20	
I-74 Sta. 394+36.20 to Sta. 400+37.22	601.02 Lin. Ft.
I-74 Sta. 373+00 to Sta. 498+19.82	12,519.82 Lin. Ft.
Equation Sta. 498+19.82 Back= Sta. 498+21.69 Ahead	
I-74 Sta. 498+21.69 to Sta. 570+00	7,178.31 Lin. Ft.
Thompson Road Reloc. Sta. 46+43.73 to Sta. 55+88	944.27 Lin. Ft.
East End Sta. 572+00 to Sta. 576+25	425.00 Lin. Ft.
Net Length of Work	39,505.05 Lin. Ft. or 7.482 Mi.



LOCATION MAP



Portion to be improved	
Future construction	
Interstate Highways	
State & Federal Roads	
Other Roads	

SCALES

Sign	0 50 100
Profile Horizontal	0 10 20
Profile Vertical	
Cross Sections	

Supplemental Prints of Standard Construction Drawings

BP-1	G-1-G5	BP-G	G-1-G5	HW-4	I-1-70	F-3	3-10-69	GR-5	I-1-71
BP-2	I-1-71	BP-7	I-1-71	MC-3	G-1-73	F-5	3-10-69	GR-6	I-1-71
BP-3	I-1-71	BP-9	I-1-71	MC-4	G-13-69	L-1	G-1-73	AS-1-72	G-30-72
BP-4	I-1-71	CB-3	G-1-65	MC-7	I-1-68	MC-1	G-13-69	BR-1-67	10-15-71
BP-5	8-11-75	CB-3A	G-1-65	MC-7	I-1-68	MC-1	G-13-69	BR-1-67	10-15-71
CB-4	9-1-69	MH-1	I-1-71	MC-7	I-1-68	MC-1	G-13-69	BR-1-67	10-15-71
CB-5	9-1-69	MH-1A	I-1-71	MC-7	I-1-68	MC-1	G-13-69	BR-1-67	10-15-71
CB-6	9-1-69	F-1	I-1-71	MC-7	I-1-68	MC-1	G-13-69	BR-1-67	10-15-71
CB-8	9-1-69	F-2	I-1-71	MC-7	I-1-68	MC-1	G-13-69	BR-1-67	10-15-71

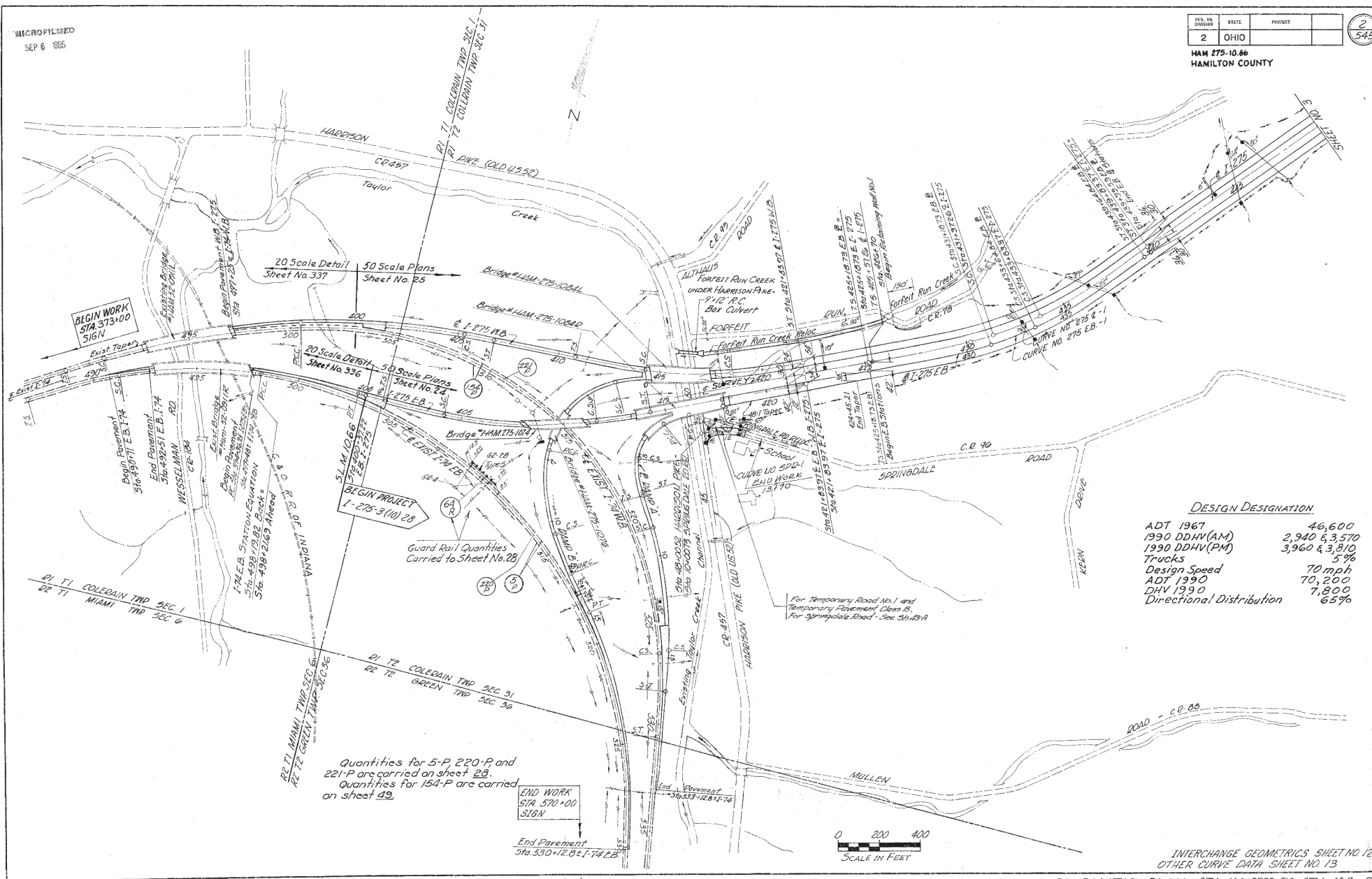
Supplemental Specs

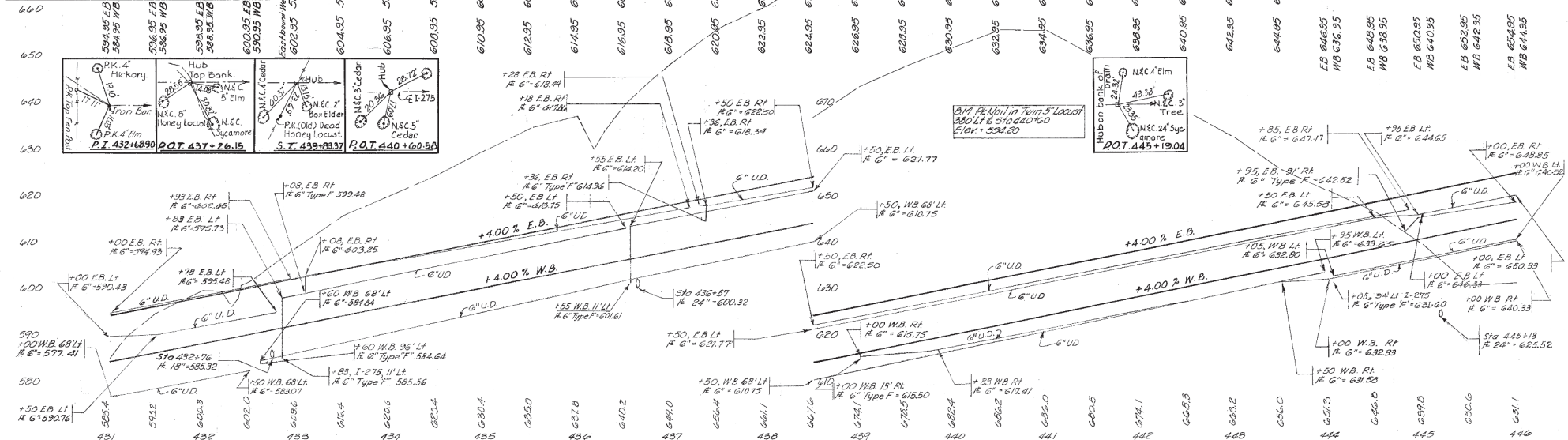
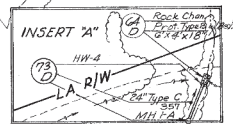
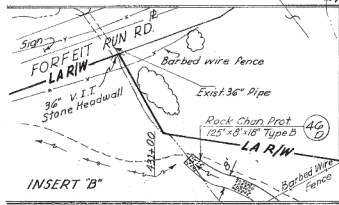
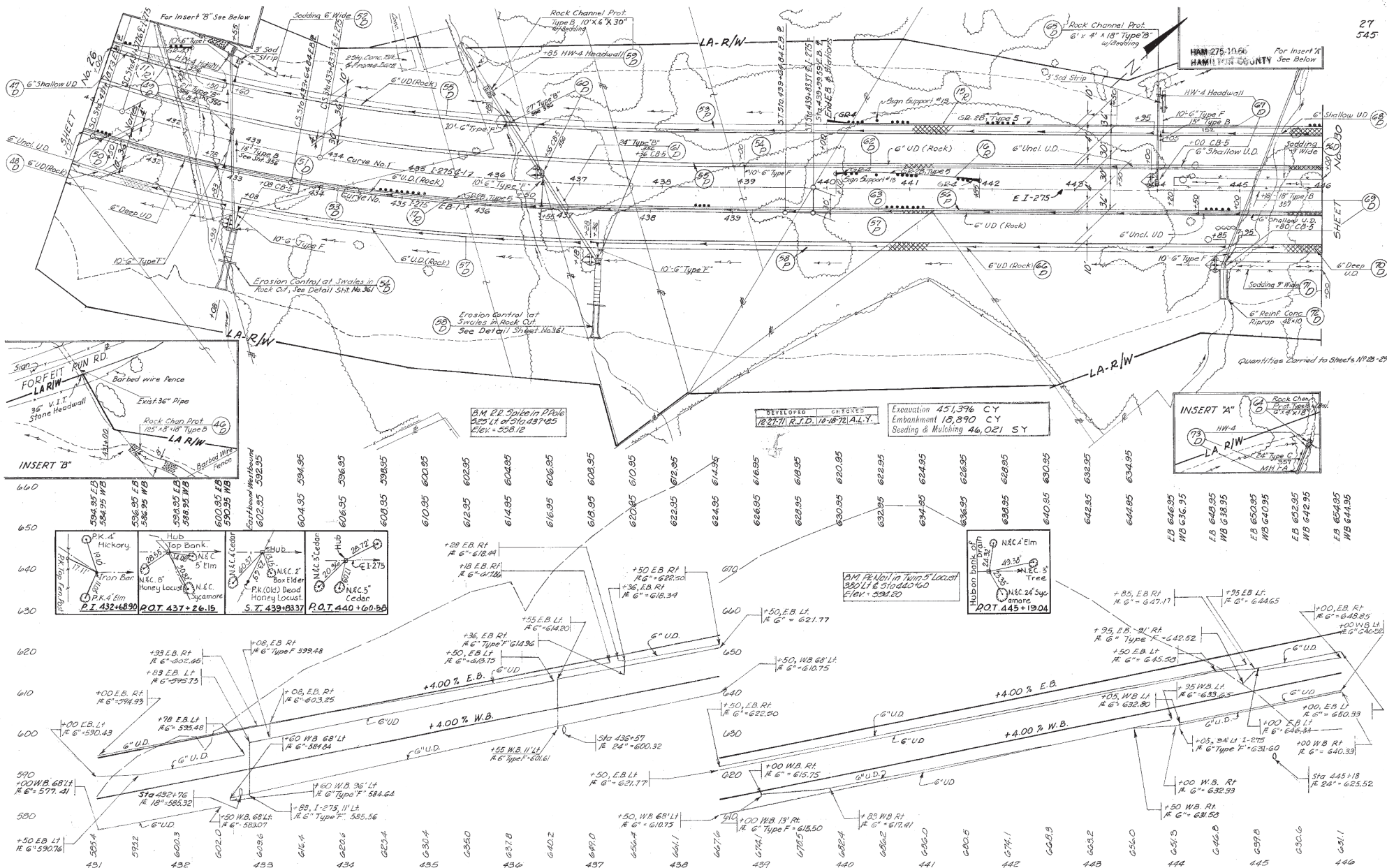
344	11-8-74
1808	1-1-71
325	1-1-74
3113	1-1-74
836	3-12-75
1001	7-15-75
839	7-15-75
247	7-15-75

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

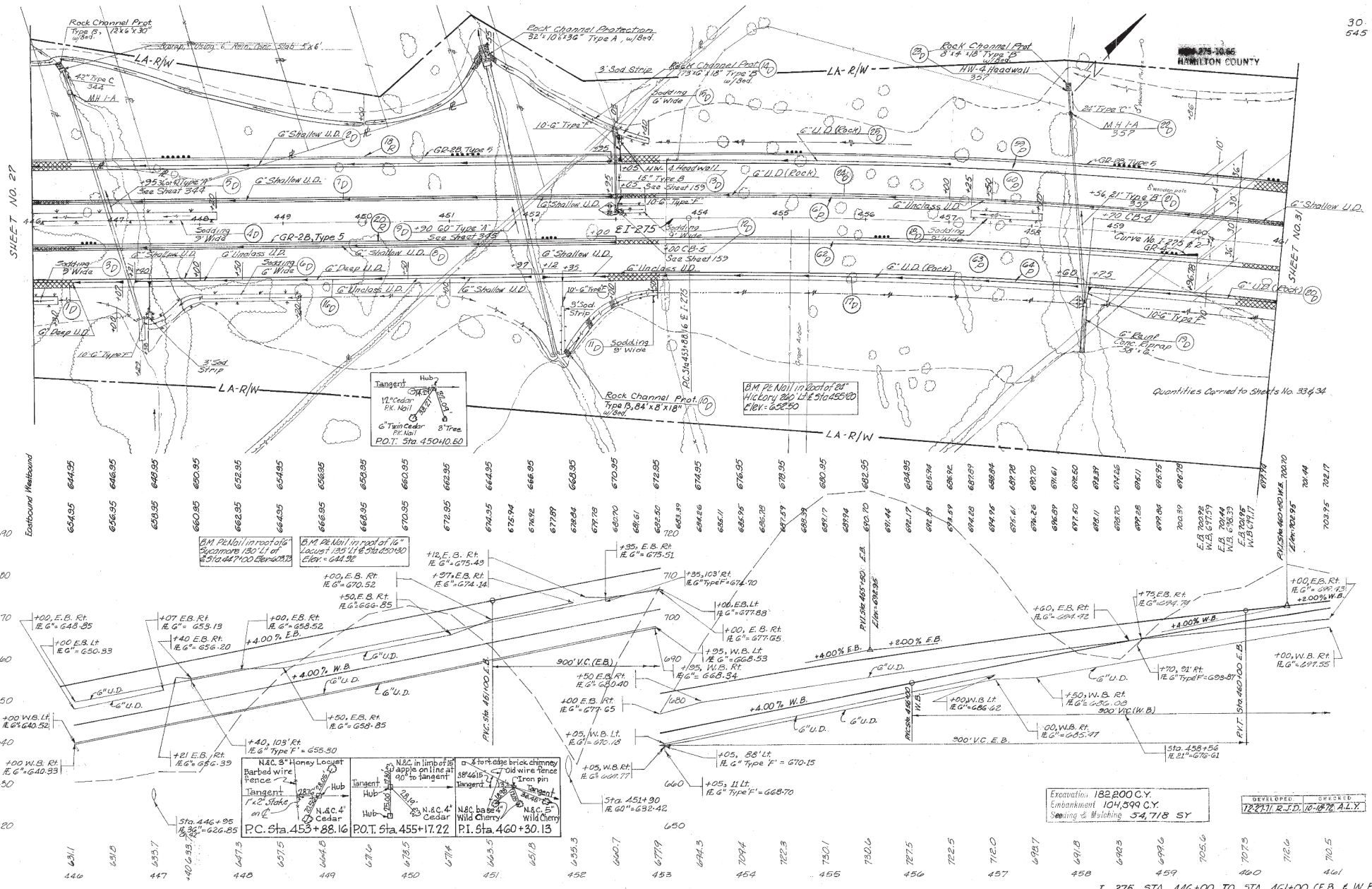
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(2)
545





I-275 STA. 431+00 TO STA. 446+00 (E.B. F)



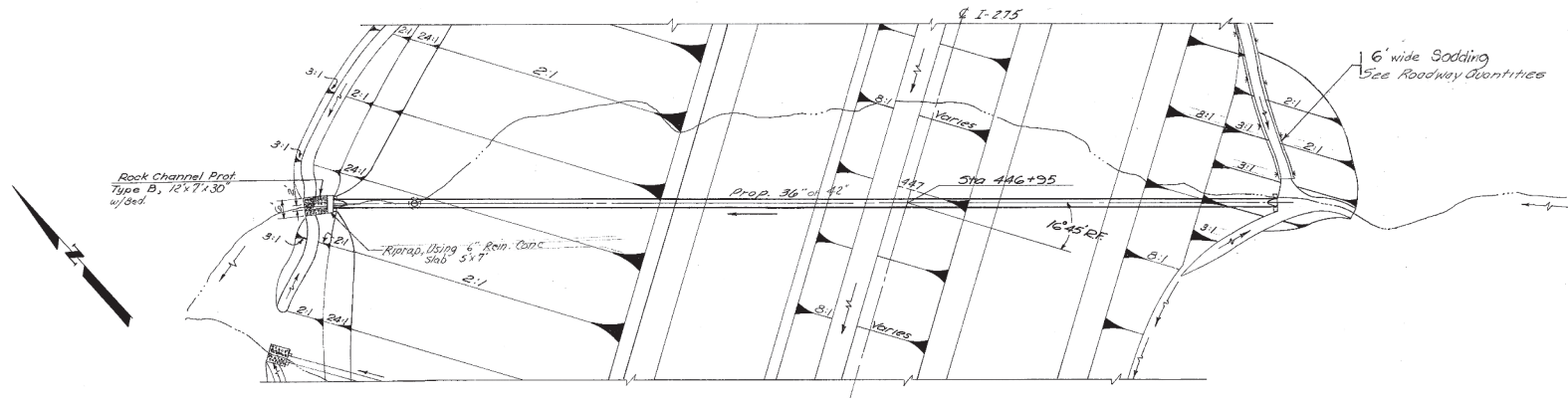
Excavation 182,200 C.Y.
 Embankment 104,599 C.Y.
 Sealing & Muffling 34,718 SY

DEVELOPED BY J.D. 10-10-70 A.L.Y.

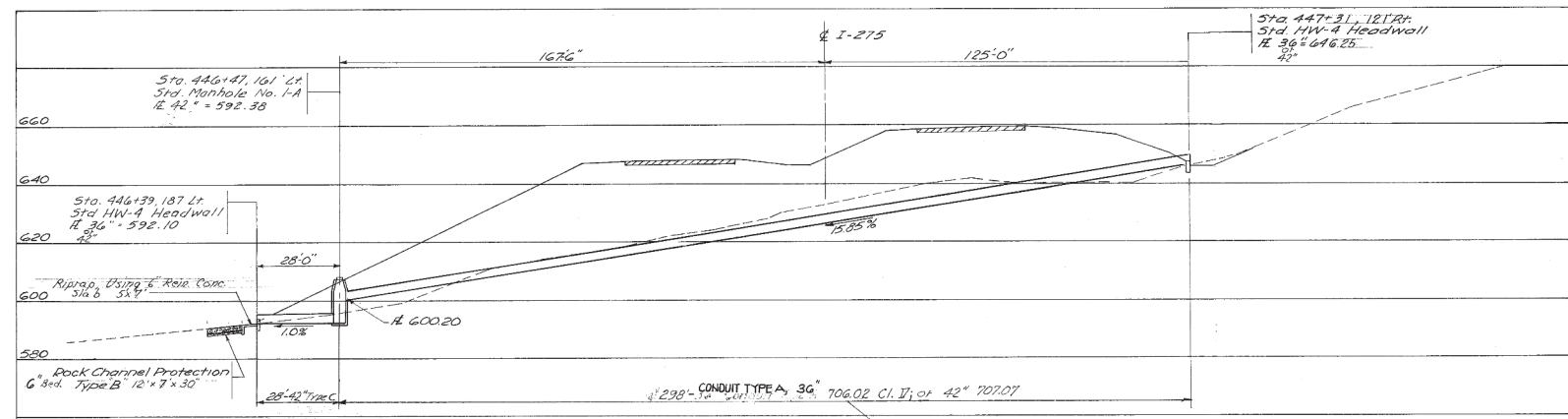
I-275 STA. 446+00 TO STA. 461+00 (E.B. & W.B.)

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STREETS
4-15-71 P.S. 10-20-71 H.S.



DA = 13 Ac
Q50 = 80 CFS

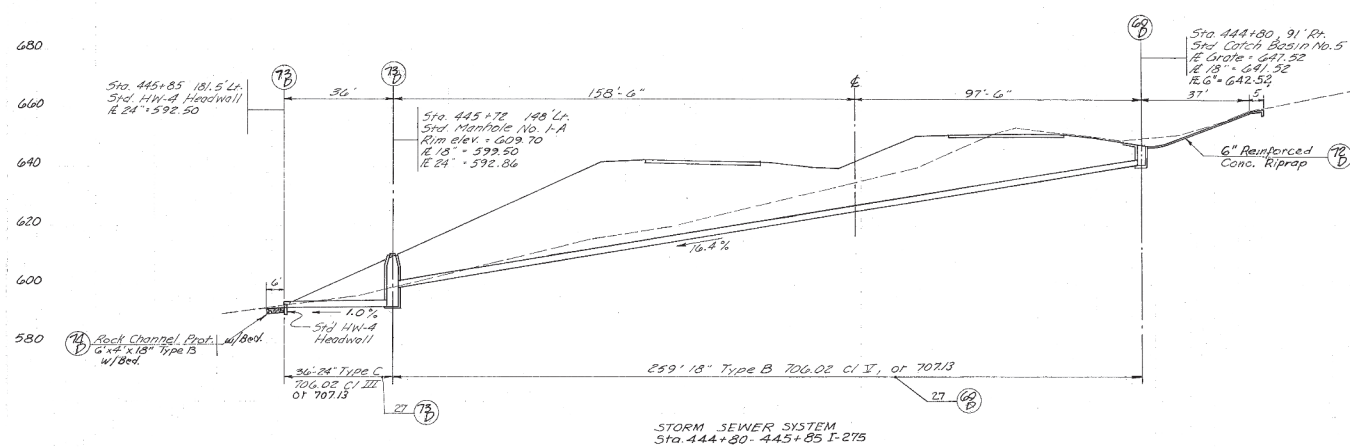
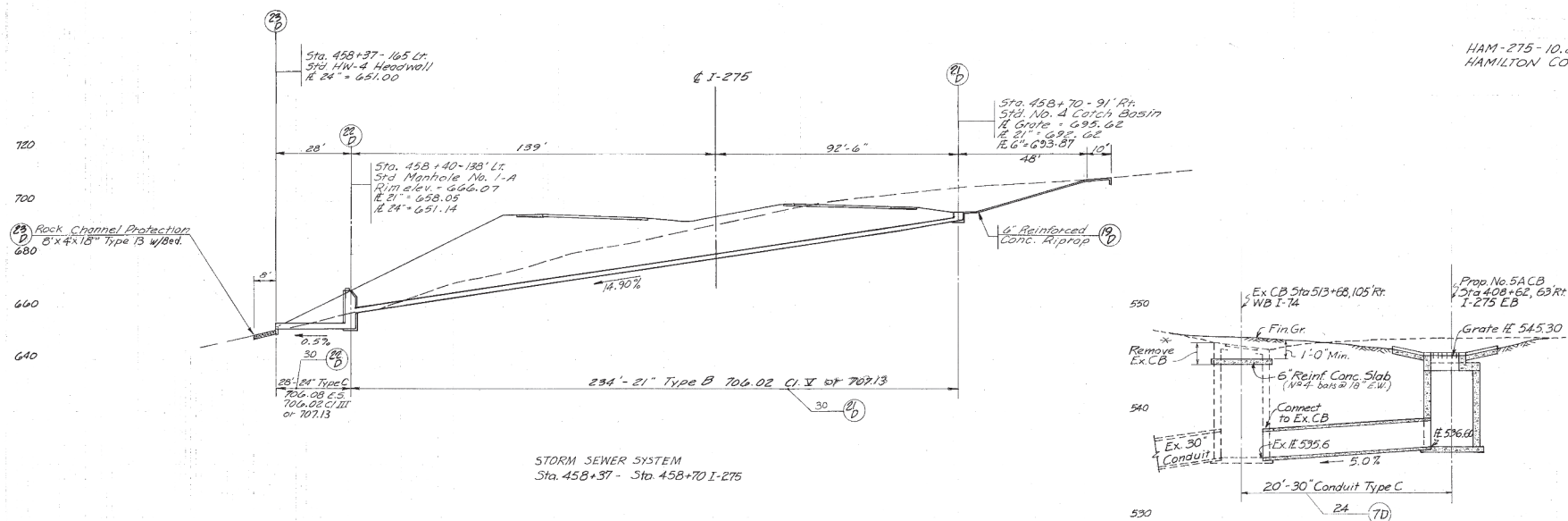


ESTIMATED QUANTITIES

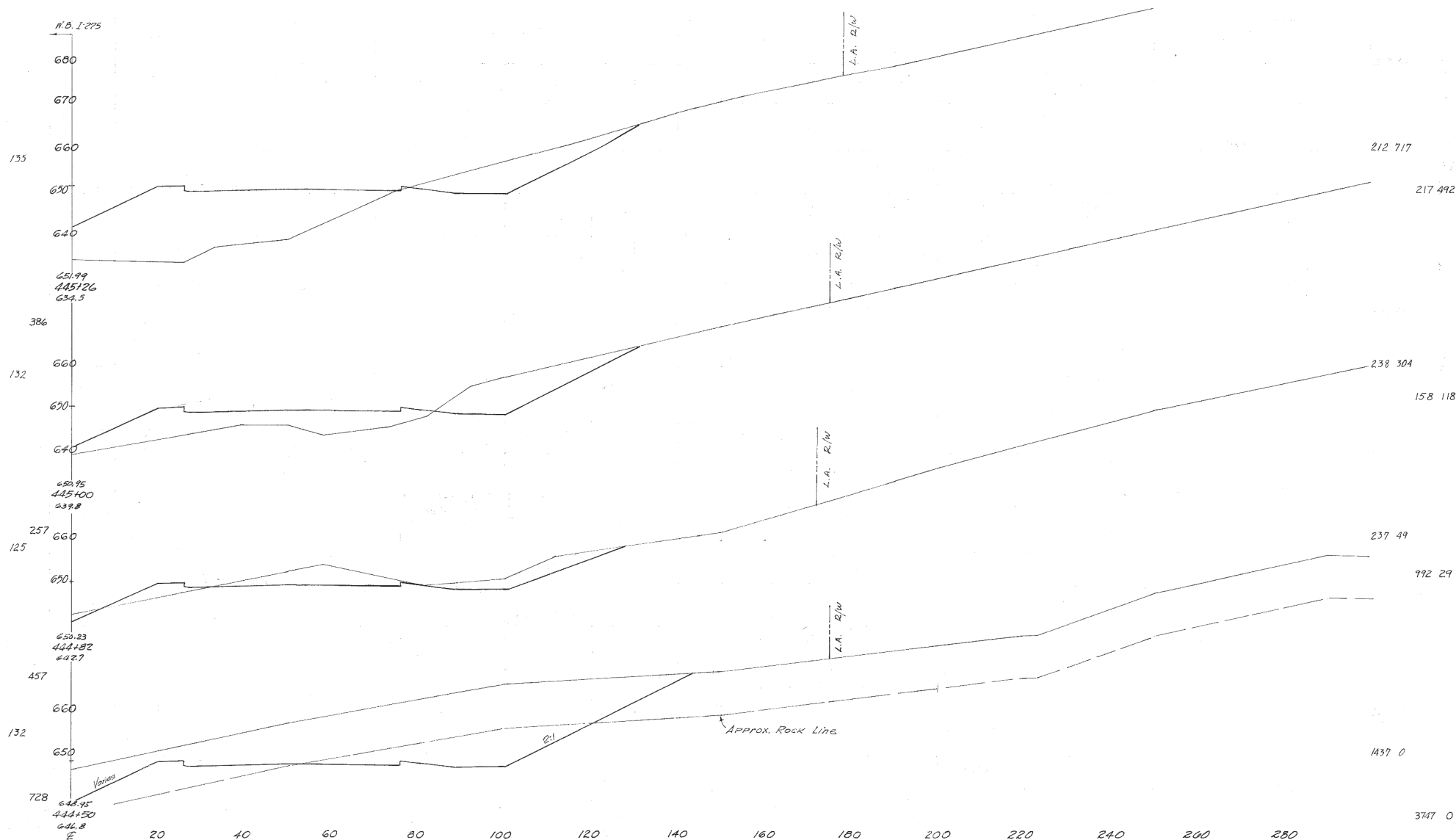
Item No.	Description	Quantity
601	Rock Channel Protection, Type B, w/bed	73 CY
602	Concrete Masonry	184 CY
603	36" Conduit, Type A, 706.02 CL. I; or 42" 707.07	298 LF
603	42" Conduit, Type G	28 LF
604	Standard Manhole No. 1-A	1 Ea.
601	Riprap, Using 6" Rein. Conc. Slab	3.9 Sq Yds



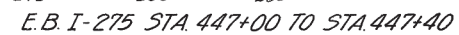
PIPE CULVERT STA 446+95

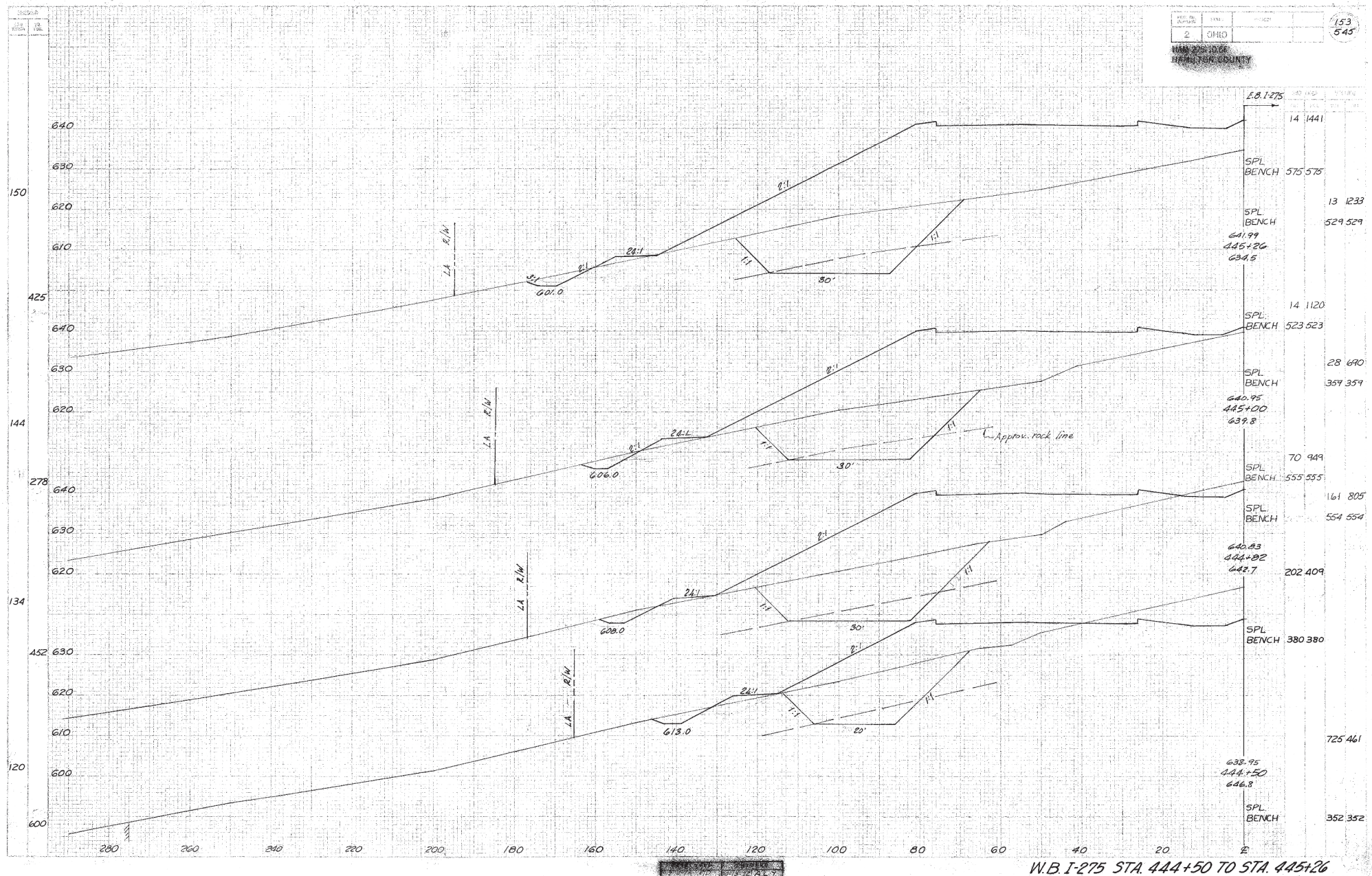
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STORM SEWER PROFILES



E.B. I-275 STA. 444+50 TO STA. 445+26

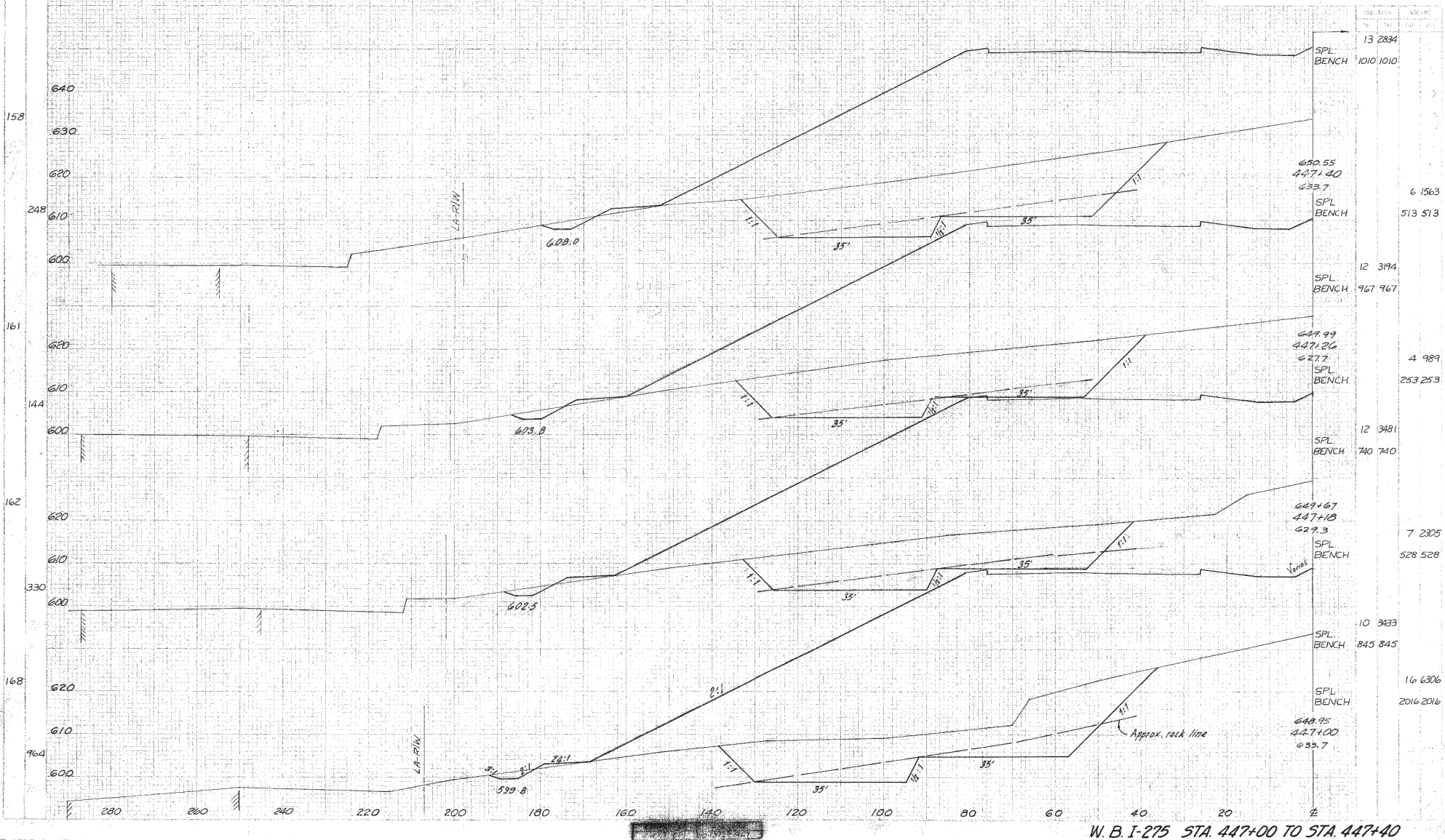




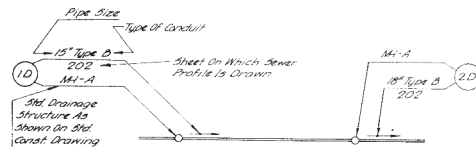
W.B. I-275 STA. 444+50 TO STA. 445+26

SECTION
DATE
BY

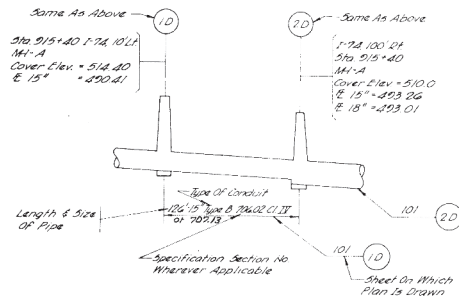
2 OHIO 155 545



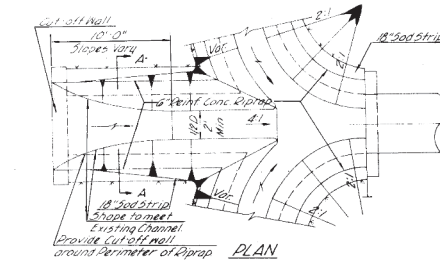
W. B. I-275 STA. 447+00 TO STA. 447+40



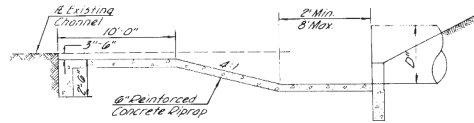
LEGEND FOR PLAN SHEETS



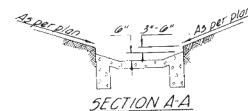
LEGEND FOR SEWER PROFILE SHEETS



PLAN

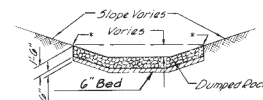


PROFILE

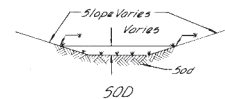


SECTION A-A

PAVED ENTRANCE DETAIL



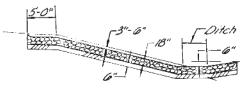
ROCK CHANNEL PROTECTION



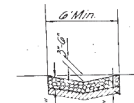
500

TYPICAL DITCH PROTECTION

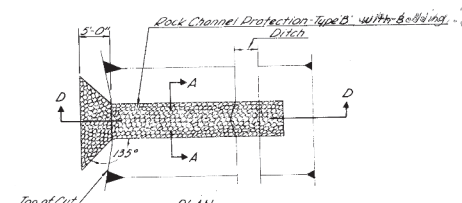
* NOTE: Ditch Protection carried to the same elevation regardless of the side slopes of the ditch.



SECTION D-D

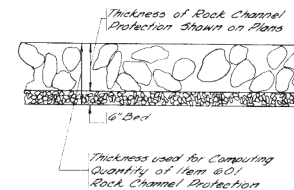


SECTION A-A



PLAN
EROSION CONTROL
AT SNALES

NOTE: The portion of the protection that falls within an area 30' from the pavement edge shall conform to aggregate as per Item 601.05 of the specifications. Segment shall be under Item 601. Rock Channel Protection, as per plan.



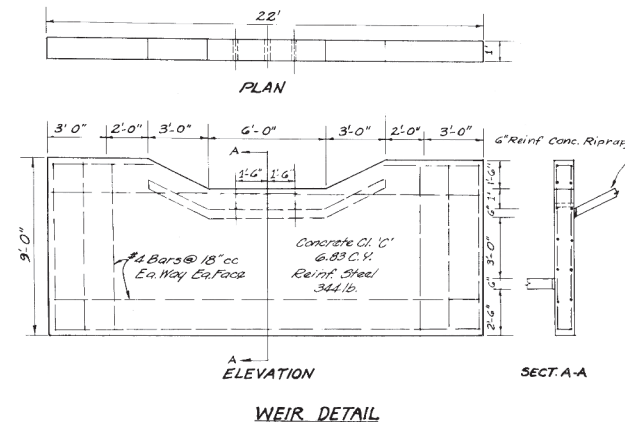
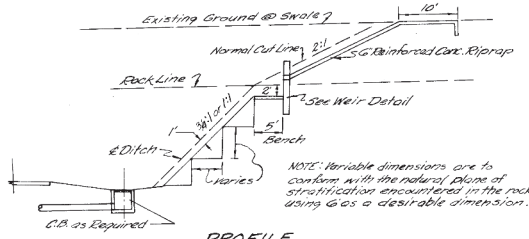
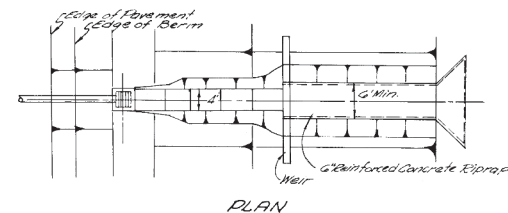
DETAIL OF ROCK CHANNEL PROTECTION WITH BEDDING

Note to Reviewers:
This Detail should be used on all Projects on which Item 601 Rock Channel Protection appears

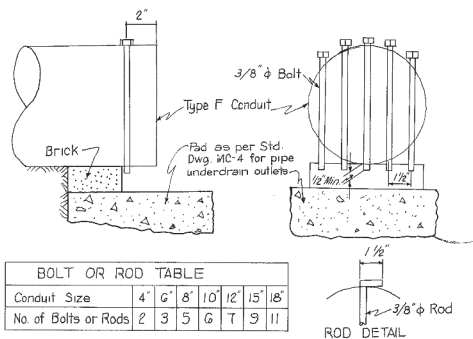
FED. RD. DIVISION	STATE
2	OHIO

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ANIMAL GUARD FOR PIPE OUTLET

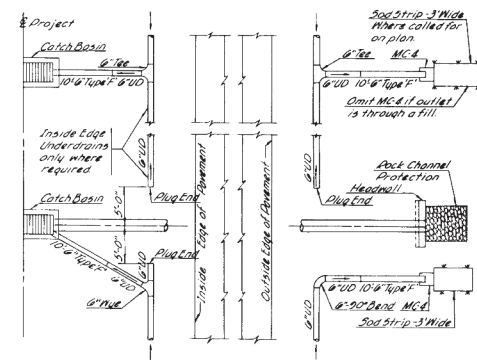
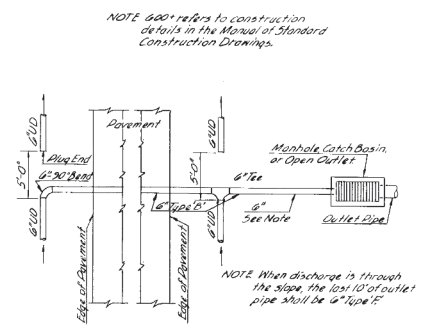


BOLT OR ROD TABLE							
Conduit Size	4"	6"	8"	10"	12"	15"	18"
No of Bolts or Rods	2	3	5	6	7	9	11

The steel bolts or rods shall be galvanized in accordance with ASTM A153. The holes in the pipe shall be 1/2" diameter. In lieu of drilling or punching holes into the pipe, a metal collar meeting all the above requirements may be clamped on the end of the pipe if, in the opinion of the Engineer, it will provide the same results. When a pad as shown on Standard Drawing MC-4 is required at the outlet end of the pipe, a brick may be placed between the pad and the pipe to provide clearance for the bolts or rods.

EROSION CONTROL AT SWALES IN ROCK CUT

Not to Scale



Underdrains to be placed in accordance with the Typical Sections and Plan-Profile Sheets.