

SR 241  
1058

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

HOLMES COUNTY  
HOL-241-5.41

# STATE OF OHIO DEPARTMENT OF HIGHWAYS

## HOL-241-5.41 HOLMES COUNTY

### SALT CREEK TOWNSHIP

The Standard Specifications of The State of Ohio, Department of Highways, including changes and Supplemental Specifications listed in the proposal shall govern this improvement.

I hereby approve these plans and declare the making of this improvement will require the closing of the highway to traffic and that detours will be provided as indicated on the plans.

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

Approved \_\_\_\_\_  
Date \_\_\_\_\_ Division Deputy Director

Approved \_\_\_\_\_  
Date \_\_\_\_\_ Deputy Director of Planning and Programming

Approved \_\_\_\_\_  
Date \_\_\_\_\_ Engineer of Bridges

Approved \_\_\_\_\_  
Date \_\_\_\_\_ Engineer of Location and Design

Approved \_\_\_\_\_  
Date \_\_\_\_\_ Deputy Director of Design and Construction

Approved \_\_\_\_\_  
Date \_\_\_\_\_ First Assistant Director

Approved \_\_\_\_\_  
Date \_\_\_\_\_ Director of Highways

#### CONVENTIONAL SIGNS

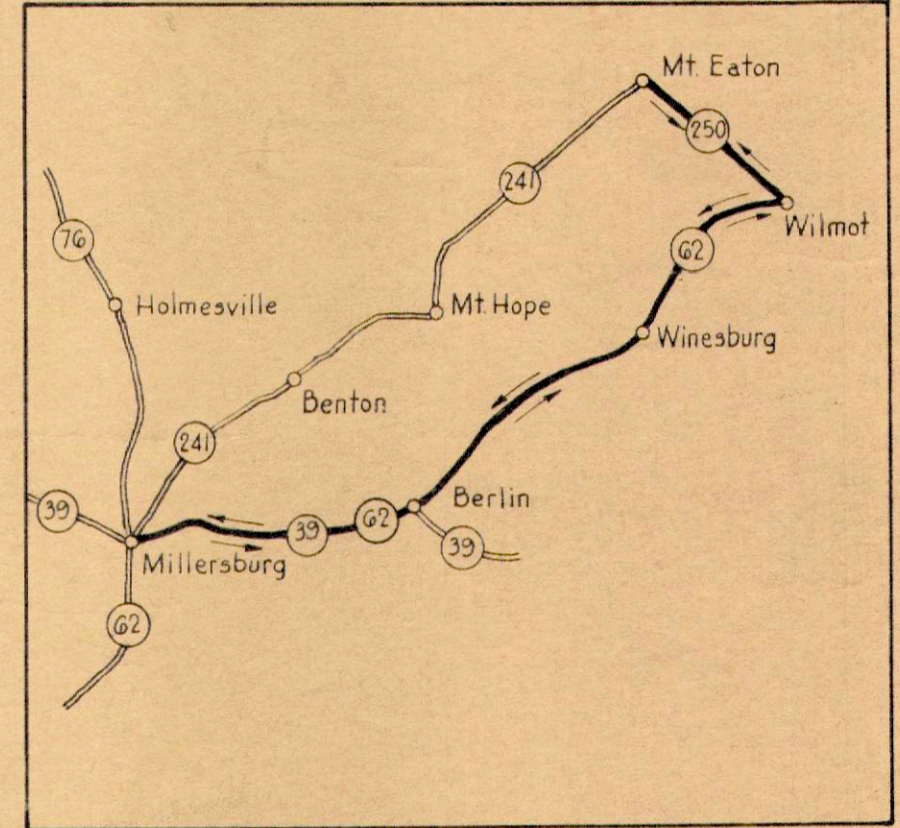
Township Line	-----
Center Line of Road	-----
Street Line	-----
Property Line	-----P-----
Existing Right of Way	-----RW-----
Right of Way Only	-----RW-----
Corporation Line	-----
Limits of Cut or Fill	-----
Slope Easement	-----SL-----
Building	-----
Tree	-----
Stream	-----
Guard Rail	-----
Power Pole	-----
Telephone Pole	-----
Fire Hydrant	-----
Fence Line	-----

#### INDEX OF SHEETS

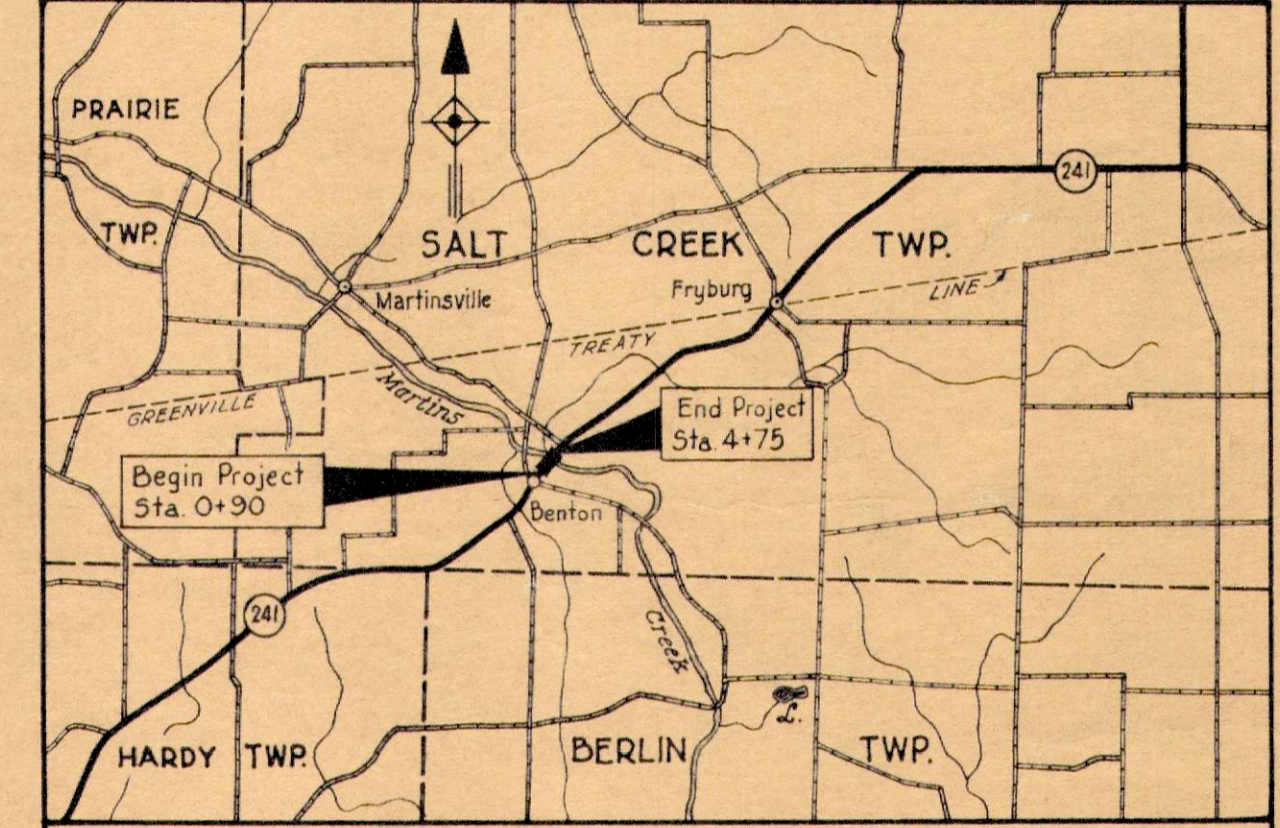
Title Sheet	1
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Cross Sections	5-7
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#### LINE DATA

Begin Project	Sta. 0+90
End Project	Sta. 4+75
Gross Length of Project	385 Lin. Ft. or .073 Miles
Begin Work	Sta. 0+90
End Work	Sta. 4+75
Gross Length of Work	385 Lin. Ft. or .073 Miles

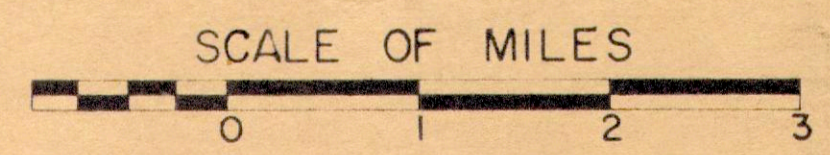


MAP OF DETOUR



Delivery Point Holmesville, Ohio  
Average Haul From Siding 4.5 Miles

#### LOCATION PLAN



Portion to be improved	-----
Other Roads	-----
Detours	-----

SCALE:

Plan:	1" = 20'
Profile: Horizontal	1" = 20'
Profile: Vertical	1" = 5'

Plans Prepared by:  
MICHAEL BAKER, JR.  
Consulting Engineers  
Rochester, Pennsylvania



Supplemental Prints of Standard Construction Drawings					
G-7.07	6-1-56	L-3-A	4-1-50	AS-1-54	12-1-54
I-15 No.1	5-21-59	RI-1	7-15-58	CS-2-54 (1 of 2)	2-2-59
I-15 No.2A	5-21-59	T-35	1-2-56	I-12	7-1-54
L-3	4-1-50	I-8-CB-2-2-B	3-2-59		

Supplemental Specifications	
S-101	12-2-59

FILE NO.	HOLMES COUNTY	HOL-241-5.41
DATE OF LETTING	_____	
CONTRACT NO.	_____	

SR 241

# TYPICAL SECTION

TYPE T-35 ON B-19

Scale: 1/4"=1'-0"

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

2  
12

HOLMES COUNTY  
HOL-241-5.41

## GENERAL NOTES

### FIELD OFFICE

The Contractor shall provide a suitable Field Office for the exclusive use of State employees, in accordance with Sec. 5-0.01(b), having a minimum of 150 square feet of floor space. The Contractor shall have installed and shall maintain in the Field Office during the construction of this project a telephone and a 110 volt electrical circuit with suitable outlets for office equipment. Field Office will be furnished within 10 days after Contractor begins operations.

### DESIGN SPEED

The geometrics for this project have been planned for a design speed of 60 miles per hour.

### UTILITIES

The Contractor shall notify at least 48 hours before breaking ground all Public Service Corporations having wire, poles, pipe, conduits, manholes or other structures that may be affected by this operation, including all structures which are affected and shown on these plans. Any and all work required for public or private utilities will be done by and at the expense of their respective owners.

### ROUNDING OF CORNERS ON CROSS SECTIONS

The rounded corners shown on the typical section apply to all cross sections even though otherwise shown in these plans.

### ELEVATION DATUM

All elevations are based on U.S.G.S. datum.

### MAINTENANCE OF TRAFFIC

State Route 241 will be closed to traffic during the construction of the bridge, approach slabs and roadway. The Contractor shall erect and maintain barricades, red lights and danger signals in accordance with Sec. G-707 of the Construction and Materials Specifications.

### SUBGRADE COMPACTION

The subgrade under the approach slabs and under the B-19 material used for drives, road and mail box approaches shall be compacted for a depth of six (6) inches to the density requirements shown in Table III, Item E-1. Payment for the subgrade compaction as specified above, shall be included in the unit price bid for Item E-1, Roadway Excavation.

### CONSTRUCTION LAYOUT STAKES

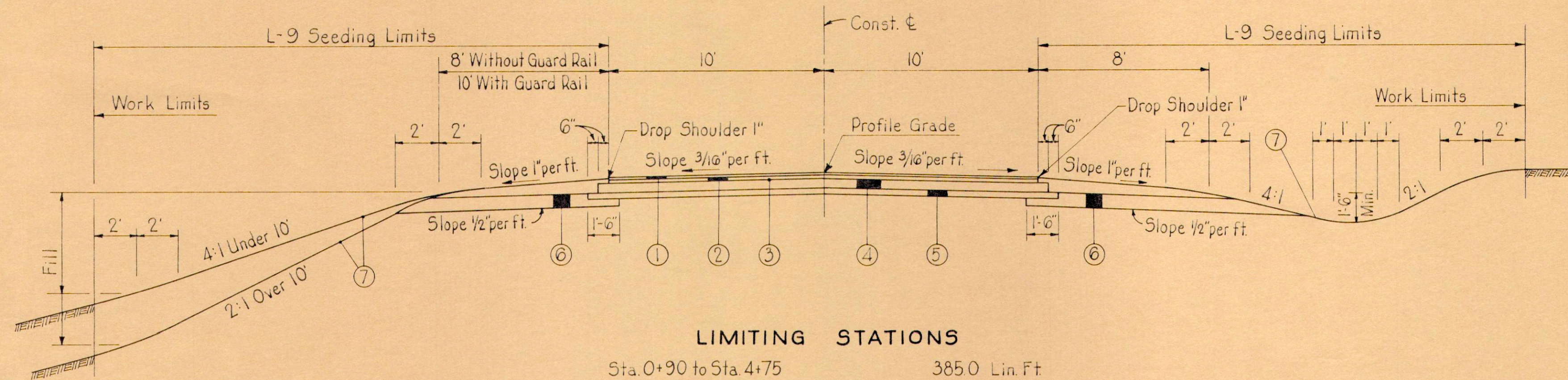
See note in proposal describing the work included in this lump sum pay item.

### REMOVAL OF TREES AND STUMPS

The number and size of trees and stumps shown below for removal under the construction as detailed on these plans are as nearly correct as available information permits. The State of Ohio will not be responsible for any variations found during construction. The lump sum bid for Item E-9, Removal of Trees and Stumps, shall constitute full payment for this item and no additional compensation will be allowed. The number and size of trees and stumps are estimated as follows: 12"-18"(1) 18"-24"(1)

### REMOVE AND RESET WATER TROUGH

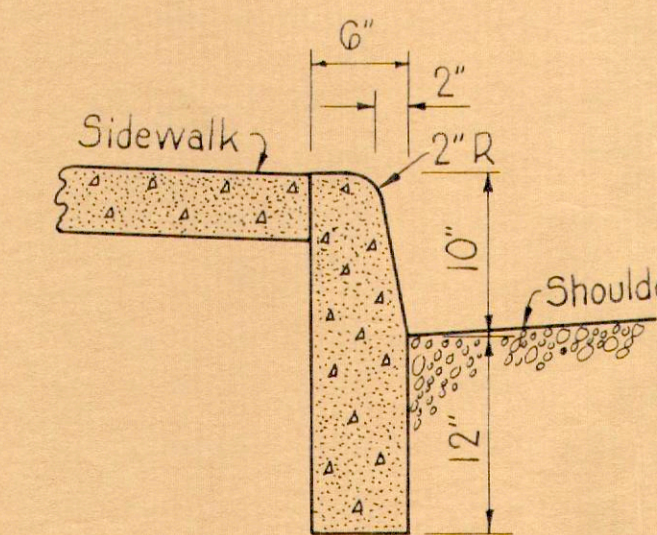
This item shall consist of the removal and resetting of the present Water Trough at Sta. 1+85, from 12' left to 18' left, as directed by the Engineer. The work included in this item shall be paid for at the Lump Sum price bid for "Item Special, Remove and Reset Water Trough", which lump sum price and payment shall constitute full compensation for moving the present Water Trough to the new location, making the necessary pipe connection changes and for all labor, tools, equipment, materials and incidentals necessary to complete this item as directed by the Engineer.



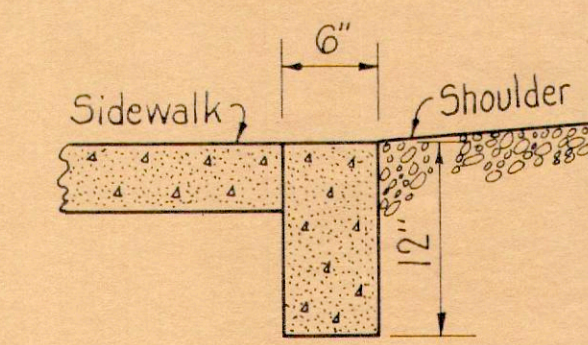
### LIMITING STATIONS

Sta. 0+90 to Sta. 4+75	385.0 Lin. Ft.
Deduct for Bridge	36.5 Lin. Ft.
<b>TOTAL</b>	<b>348.5 Lin. Ft.</b>

- ① T-35 1 1/4" Asphaltic Concrete Surface Course, Type C (85-100)
- ② B-35 1 3/4" Asphaltic Concrete Leveling Course (85-100)
- ③ T-30 Bituminous Prime Coat; Sec. M-5.7, RT-2 or RT-3 applied at the rate of 0.40 gal. per Sq. Yd.
- ④ B-19 5" Aggregate Base Course
- ⑤ I-22 4" Subbase
- ⑥ I-9 Stone Underdrain (No. 2)
- ⑦ L-9 Seeding & Protecting Roadway Areas



MOD. TYPE 6 CURB AT STRUCTURE



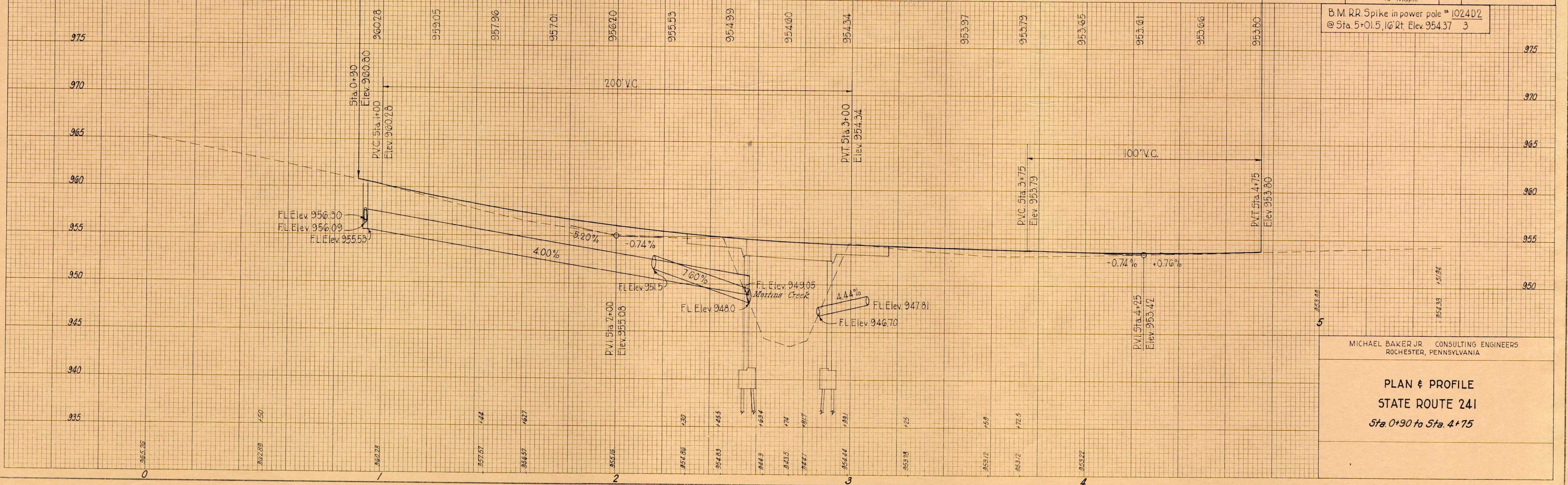
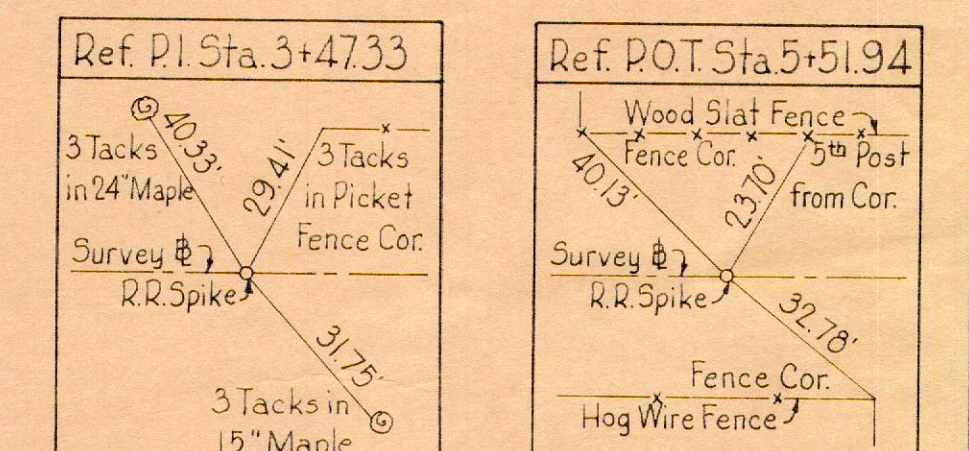
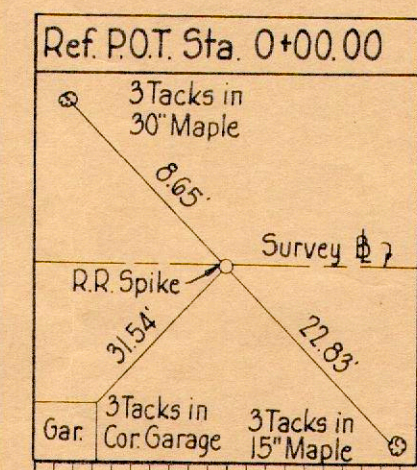
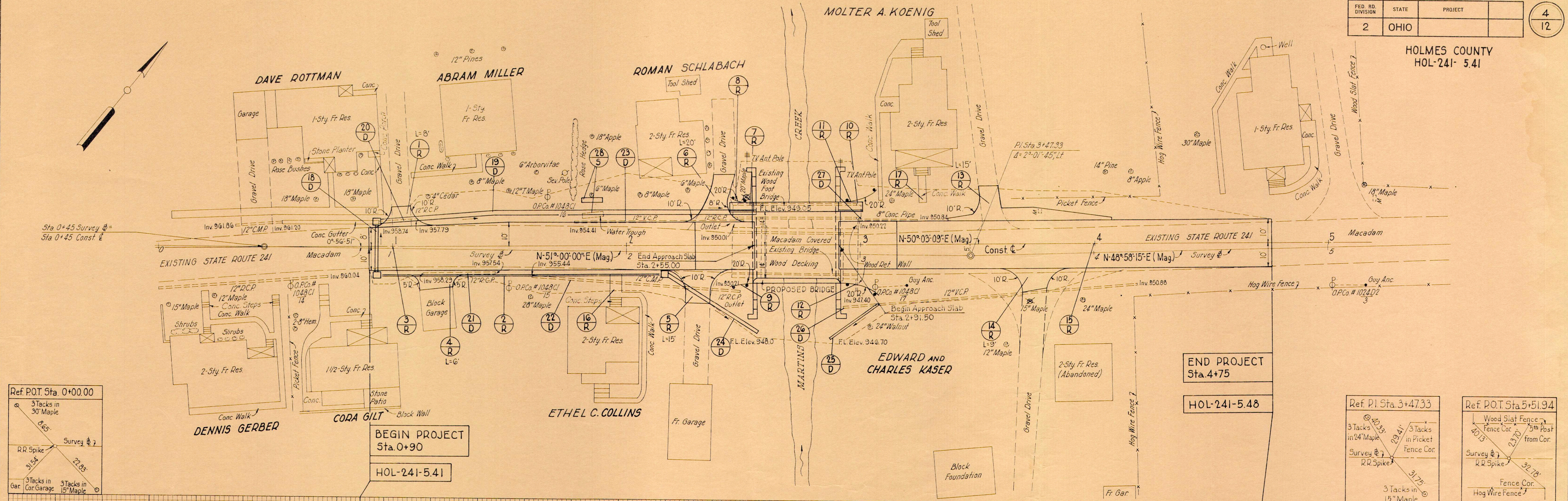
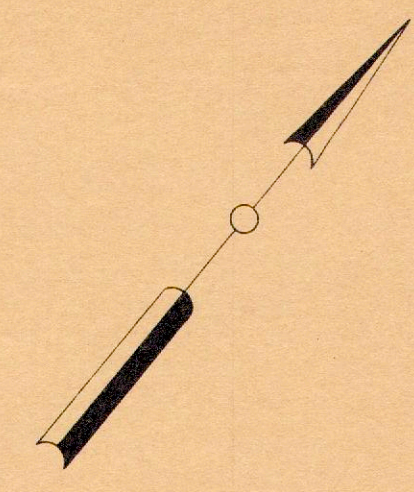
MOD. TYPE 6 CURB AT EXISTING ROADWAY

MICHAEL BAKER JR., CONSULTING ENGINEERS  
ROCHESTER, PENNSYLVANIA

TYPICAL SECTION & GENERAL NOTES

STATE ROUTE 241  
OVER MARTINS CREEK

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED

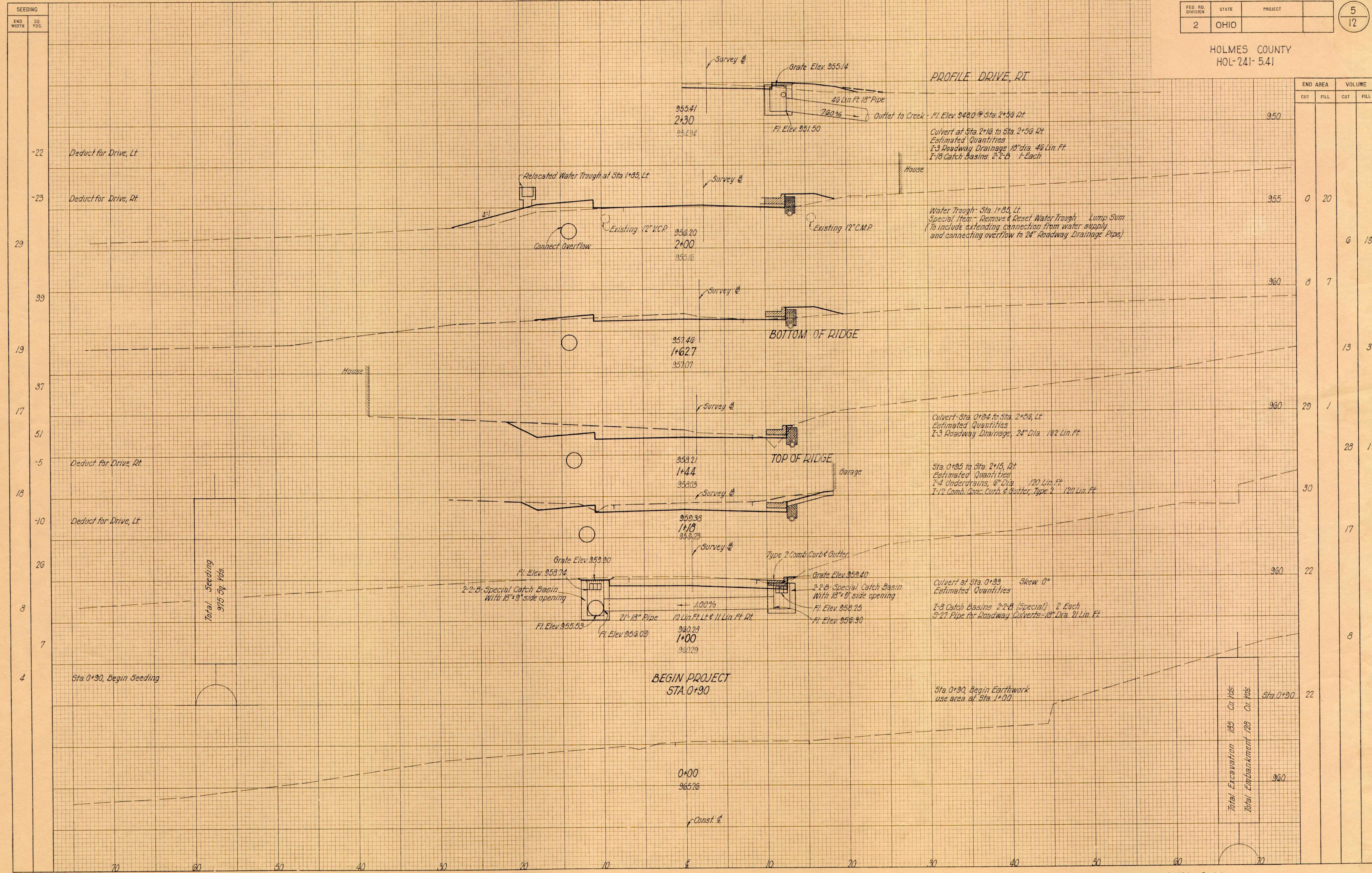


B.M. R.R. Spike in power pole # 1024D2  
@ Sta. 5+01.5, 16' Rt. Elev. 954.37 3

MICHAEL BAKER JR. CONSULTING ENGINEERS  
ROCHESTER, PENNSYLVANIA

**PLAN & PROFILE**  
**STATE ROUTE 241**  
**Sta. 0+90 to Sta. 4+75**

HOLMES COUNTY  
HOL-241-541



END STA.	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
950				
955	0	20		
960	8	7		
960			13	3
960	29	1		
960			28	1
960				17
960	22			
960				8
960				22

Sta 0+00 to Sta. 2+30

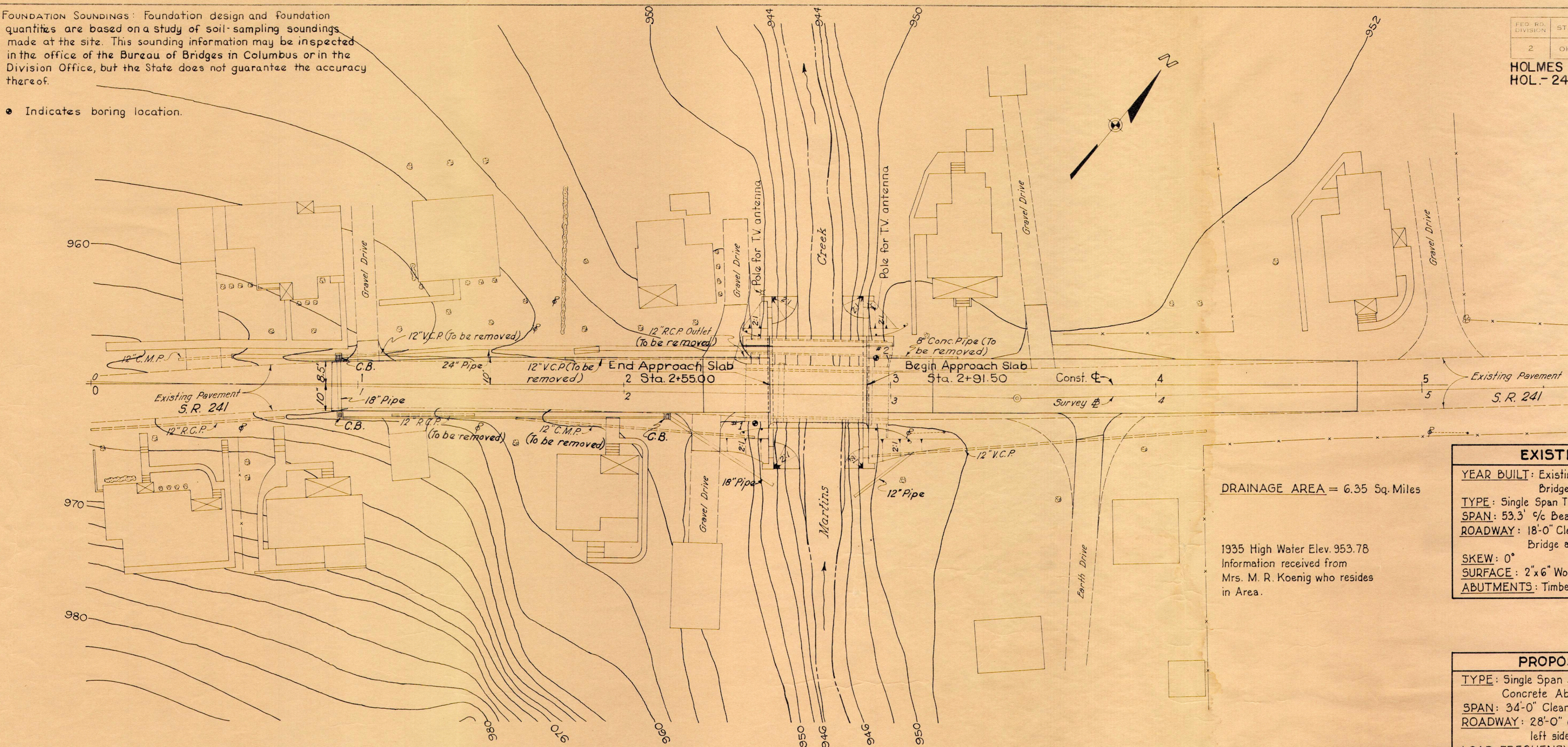
FOUNDATION SOUNDINGS: Foundation design and foundation quantities are based on a study of soil-sampling soundings made at the site. This sounding information may be inspected in the office of the Bureau of Bridges in Columbus or in the Division Office, but the State does not guarantee the accuracy thereof.

• Indicates boring location.

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

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HOLMES COUNTY  
HOL.-241-05.41



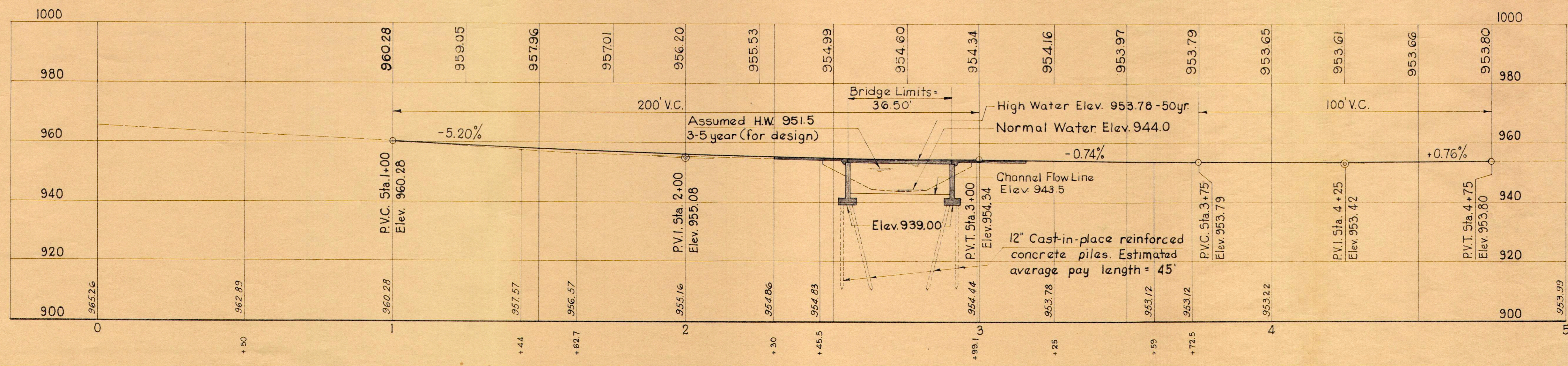
DRAINAGE AREA = 6.35 Sq. Miles

1935 High Water Elev. 953.78  
Information received from Mrs. M. R. Koenig who resides in Area.

EXISTING BRIDGE DATA	
YEAR BUILT:	Existing Bridge replaced 30' Clear Span Bridge which was washed away in 1935 flood.
TYPE:	Single Span Thru Truss.
SPAN:	53.3' %c Bearings.
ROADWAY:	18'-0" Clear with 5'-0" Wooden Plank Foot Bridge adjacent to Bridge.
SKREW:	0°
SURFACE:	2"x6" Wooden Planking with Bituminous Pav't.
ABUTMENTS:	Timber Cribbing on Steel Piles.

PROPOSED STRUCTURE	
TYPE:	Single Span Slab Bridge with Reinforced Concrete Abutments.
SPAN:	34'-0" Clear.
ROADWAY:	28'-0" curb to curb with 4'-0" Sidewalk on left side and 2'-3" Safety Curb on right side.
LOAD FREQUENCY:	CF-130 (57)
SKREW:	0°
WEARING SURFACE:	3/4" Monolithic Concrete.
APPROACH SLAB:	A5-1-54 (25' long)
ALIGNMENT:	Tangent.

B.M. 3/4" Spike in O.P. Co. Pole # 1024 D2  
16' Rt. Sta. 5+01.5 Elev. 954.37



MICHAEL BAKER JR., CONSULTING ENGINEERS  
ROCHESTER, PENNSYLVANIA

**SITE PLAN**

**BRIDGE NO. HOL.-241-0544  
OVER MARTINS CREEK**

HOLMES COUNTY STA. 2+55.00  
STA. 2+91.50

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED	DRAWN	DESIGNED	DRAWN	CHECKED	REVIEWED
M.B.Jr.	R.C.	P.M.	J.H.	E.F.R.	[Signature]

19-26-60