

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

QUANTITIES
CALC BY *JCK* DATE 1-31-78
CHK BY *D.P.S.* DATE 10-18-77

OHIO		1 37
FHWA REGION 5		
HHS - 51 (22)		
SEN 224 - 11.92		
SEN 53 - 7.75		
FEDERAL PROJECT		

SEN 224 - 11.92 SEN 53 - 7.75

HOPEWELL TOWNSHIP
SENECA COUNTY

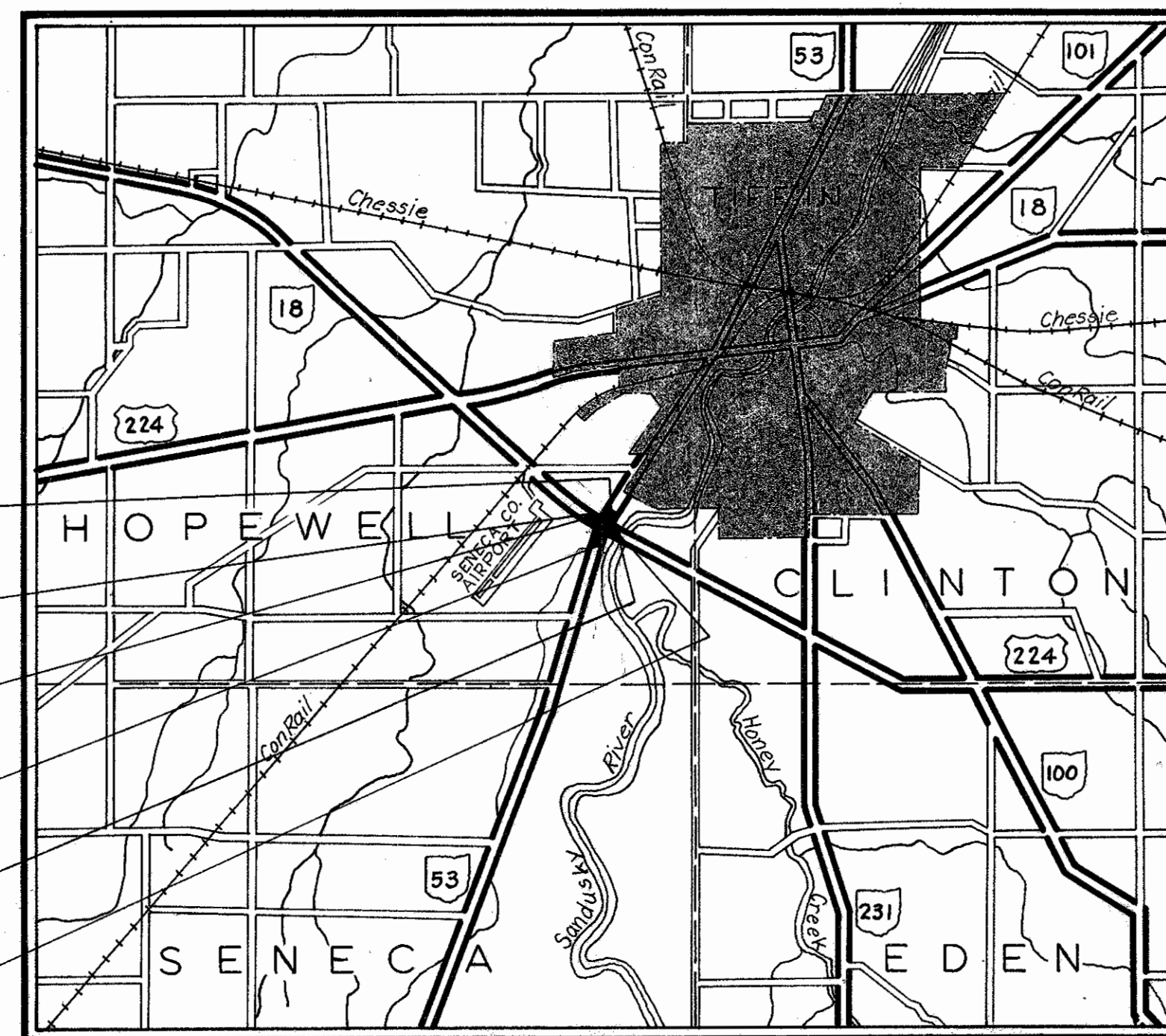
CONVENTIONAL SIGNS

County Line	-----	Limited Access (only)	----- LA
Township Line	-----	Right of Way (only)	----- RW
Section Line	-----	Limited Access & Right of Way	----- LA & RW
Corporation Line	----- or -----	Existing Right of Way	-----
Fence Line (existing)	-x-x- (proposed) -x-x-	Property Line (in existing fence)	-x-x-
Center Line	352 353	Railroad	----- or -----
Trees, Stumps (to be removed)	⊗ ⊗	Guardrail (existing)	----- (proposed) -----
Utility Poles: Telephone, Power, Light	⊕ ⊕ ⊕		

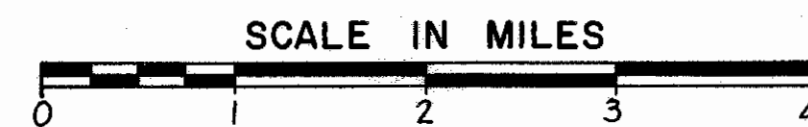
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End Work - S.R. 53 Sta. 440+35
Begin Work - U.S. 224 Sta. 81+97
Begin Project - U.S. 224 Sta. 87+68
Begin Work - S.R. 53 Sta. 423+66
End Project - U.S. 224 Sta. 93+62
End Work - U.S. 224 Sta. 111+18



LOCATION MAP



Portion to be improved	-----
State & Federal Routes	=====
Other Roads	-----

SCALES

Plan	0 50' 100'
Profile: Horizontal	0 50' 100'
Profile: Vertical	0 1' 2' 3' 4' 5' 10'
Cross Section: Horizontal	0 1' 2' 3' 4' 5' 10'
Cross Section: Vertical	0 1' 2' 3' 4' 5' 10'

SUPPLEMENTAL SPECIFICATIONS			
	853	6-26-78	
	949	11-2-77	
	954	6-3-78	
	956	6-26-78	
842	8-29-74	1001	1-3-77
843	10-23-75		
844	11-8-74		
847	4-3-76		

LINE DATA

PROJECT - U.S.R. 224

Begin Project	Sta. 87+68
End Project	Sta. 93+62
Net Length Of Project	= 594.00 Lin. Ft. Or 0.113 Miles

WORK

U.S.R. 224 - Begin Work	Sta. 81+97
End Work	Sta. 111+18
Net Length Of Work SEN 224	= 2921.00 Lin. Ft. Or 0.553 Miles

S.R. 53 - Begin Work	Sta. 423+66
End Work	Sta. 440+35
Gross Length Of Work	= 1669.00 Lin. Ft.
Deductions	= 32.00 Lin. Ft.
Net Length Of Work SEN 53	= 1637.00 Lin. Ft. Or 0.310 Miles

Total Net Length Of Work = 4558.00 Lin. Ft. Or 0.863 Miles

Plan Prepared By:

Ohio Department of Transportation
District 2
Design and Planning Department

SEAL

SUPPLEMENTAL PRINTS OF STANDARD CONSTRUCTION DRAWINGS					
BP-5	8-11-75	MC-1	6-13-69		
BP-6	6-1-65	MC-3	6-1-73	TC-21.20	4-18-77
BP-7	12-6-76	MC-4	7-26-76	TC-41.20	4-1-77
CB-2-2-A B	6-1-65	MC-5	6-12-75	TC-42.20	4-1-77
CB-2-3 2-4	6-1-65	MH-1	6-12-75	TC-52.10	4-1-77
CB 3-A	1-1-76	MH-3	6-12-75	TC-52.20	4-1-77
GR-1	12-6-76	MH-5	6-12-75	TC-71.10	12-1-75
GR-2B	12-6-76	DOR-2-73	4-10-73	TC-81.10	4-18-77
GR-3	12-6-76	HL-10	1-21-76	TC-82.10	9-5-75
GR-3B	12-6-76			TC-83.10	9-5-75
GR-4	12-6-76			TC-84.20	9-5-75
HW-4	1-1-70			TC-85.20	9-5-75
L-1	6-1-73				

1979 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.

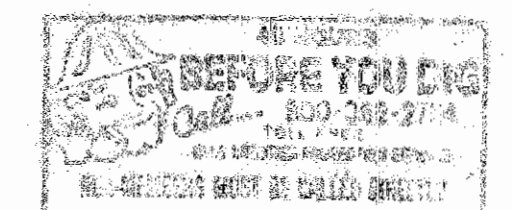
I hereby approve these plans and declare that the making of this improvement will not require the closing of the highway to traffic and that provisions for the maintenance and safety of traffic will be as set forth on the plans and estimates

Approved: *James L. Anderson*
Date 11-3-78 District Deputy Director of Transportation

Approved: *Robert B. Pfeiffer*
Date 11-21-78 Engineer, Bureau of Bridges and Structural Design

Approved: *George E. McNamee*
Date 1-28-79 Chief Engineer, Operations

Approved: *Daniel J. Wein*
Date 6-19-79 Director, Department of Transportation



DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR

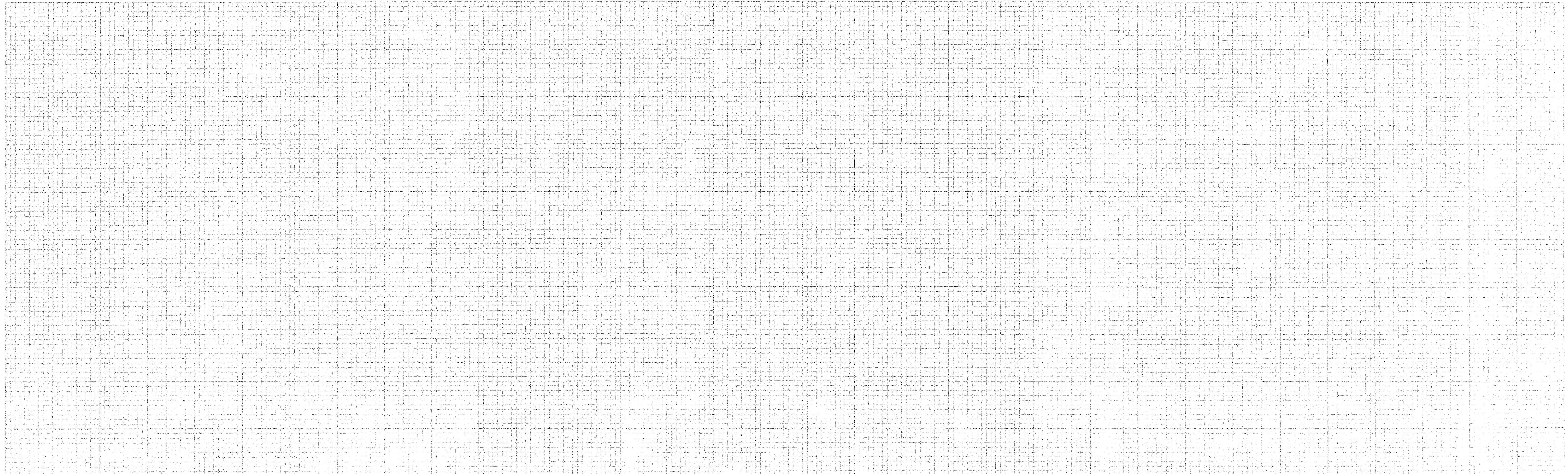
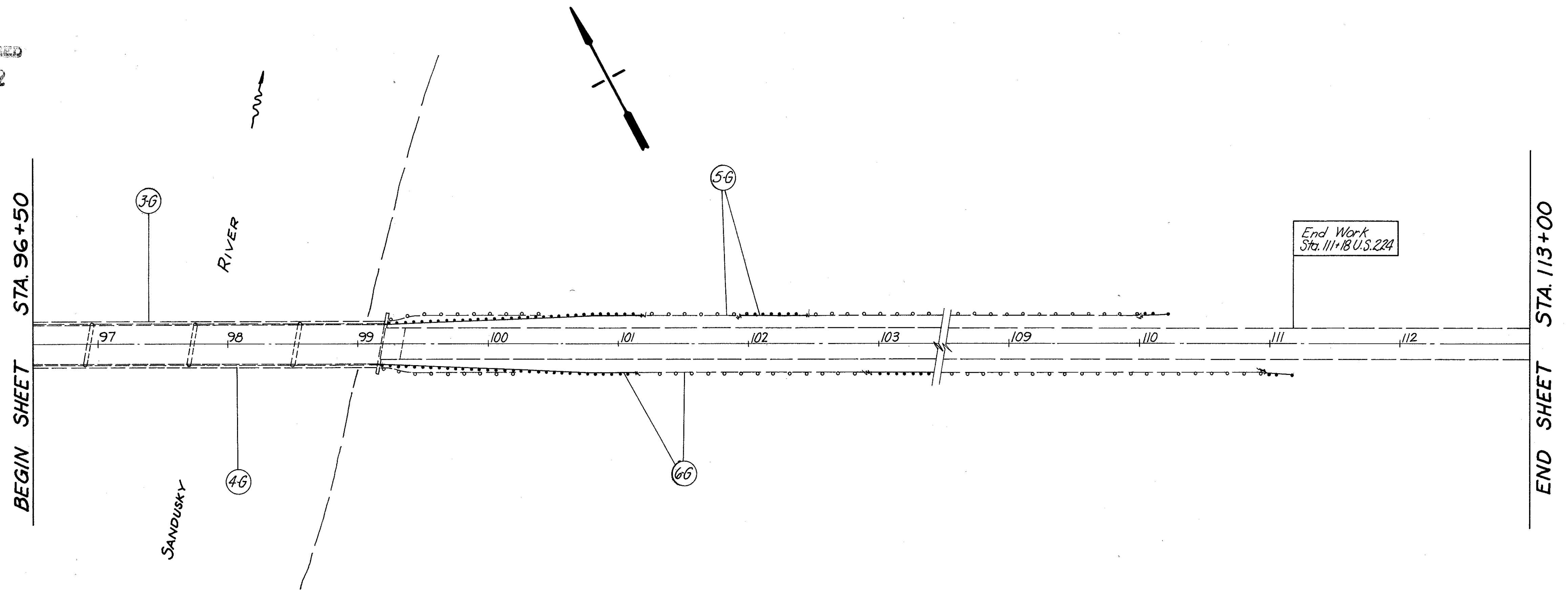
DATE

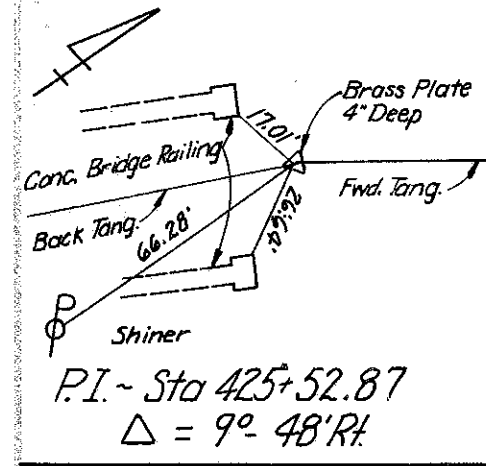
Project: SEN 224 - 11.92 SEN 53 - 7.75
Date of Letting: 1979 Contract No. _____

MICROFILMED
JUN 18 1992

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		
SEN - 224 - 11.92			
SEN 53 - 7.75			

11
37





MICROFILMED
JUN 18 1992

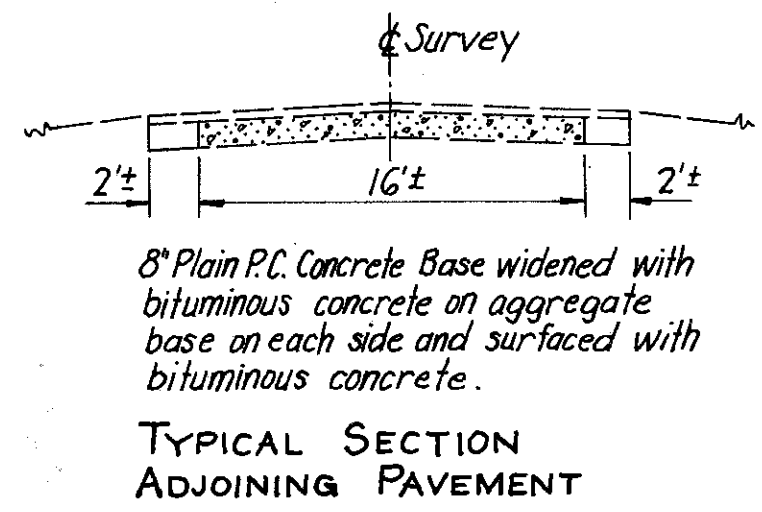
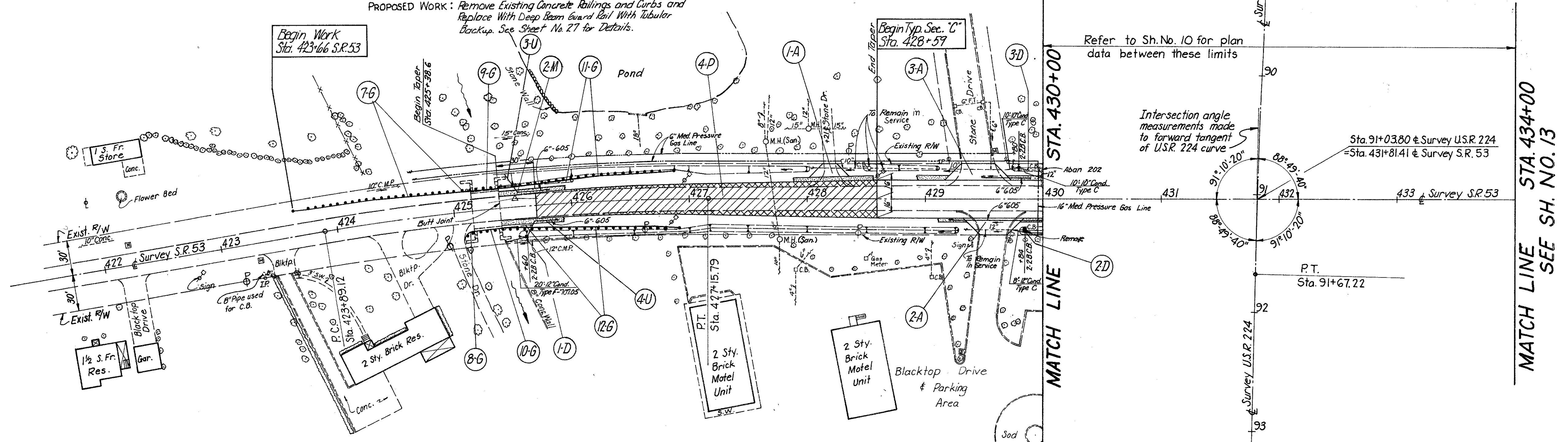
DATA ON EXISTING CURVE

PC = Sta. 423+89.12
 P.I. = Sta. 425+52.87
 P.T. = Sta. 427+15.79
 Δ = 9° 48' 14"
 D = 3° 00'
 R = 1909.86'
 T = 163.75'
 L = 326.67'

DATA ON EXISTING STRUCTURE

Br. No. SEN-53-0768
 TYPE: Concrete beam with concrete gravity substructure
 SPAN: 19'-10"
 ROADWAY WIDTH: 30'-2" % railings
 ALIGNMENT: 3° R.C.
 SKEW: 0°
 WEARING COURSE: 7"± Asphalt Concrete
 APPROACH SLABS: None
 PROPOSED WORK: Remove Existing Concrete Railings and Curbs and Replace With Deep Beam Guard Rail With Tubular Backup. See Sheet No. 27 for Details.

QUANTITIES		PROJECT
CALC BY JCL	DATE 10-21-77	SEN-224-11.92
CKD BY Z.P.S.	DATE 10-21-77	SEN-53-7.75
5	10	



8" Plain P.C. Concrete Base widened with bituminous concrete on aggregate base on each side and surfaced with bituminous concrete.
 TYPICAL SECTION ADJOINING PAVEMENT

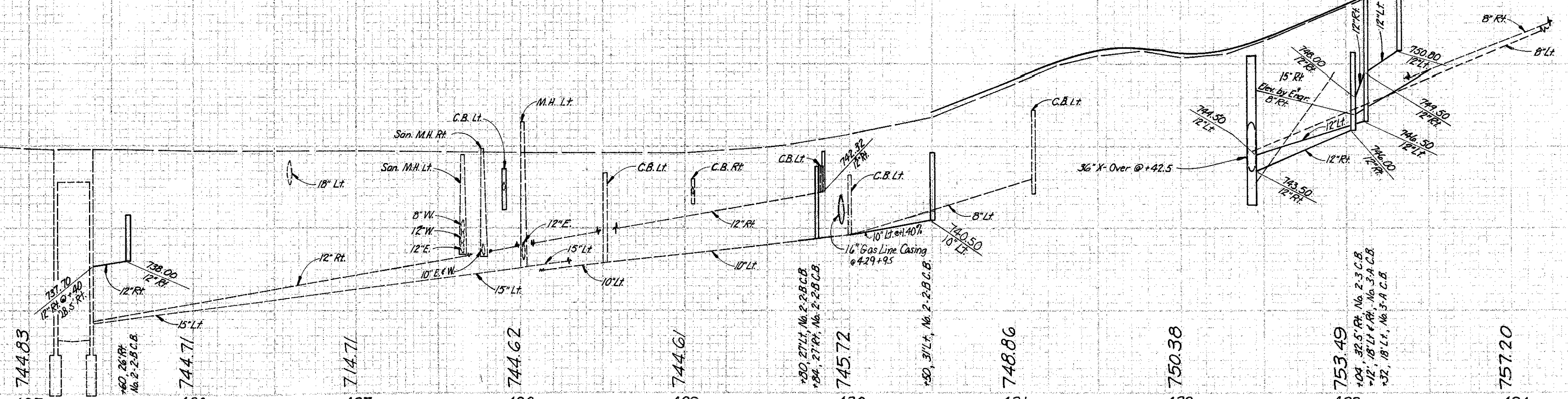
B.M. - Sta. 421+94.59' Lt.
 Spk. in light pole
 Elev. 746.16

B.M. - Sta. 428+50.95' Rt.
 "+" on concrete curb
 Elev. 745.20

B.M. - Sta. 432+85.100' Rt.
 Spike in power pole
 Elev. 750.20

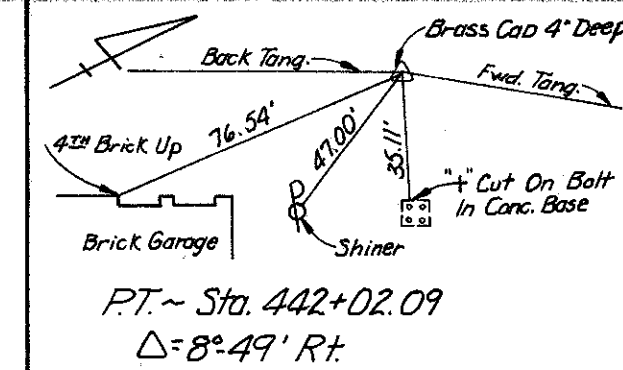
Station	740	745	750	755	760
422					
423					
424					
425					
426					
427					
428					
429					
430					
431					
432					
433					
434					

Item 203 Excavation 475 Cu Yd.
 Item 203 Embankment 99 Cu Yd.
 Item 659 Seeding 1146 Sq Yd.



DATA ON EXISTING CURVE

P.C. = Sta. 439+81.24
 P.I. = Sta. 442+02.09
 P.T. = Sta. 444+22.07
 $\Delta = 8^{\circ} 49' Rt.$
 $D = 2^{\circ} 00'$
 $R = 2864.79'$
 $T = 220.85'$
 $L = 440.83'$



QUANTITIES

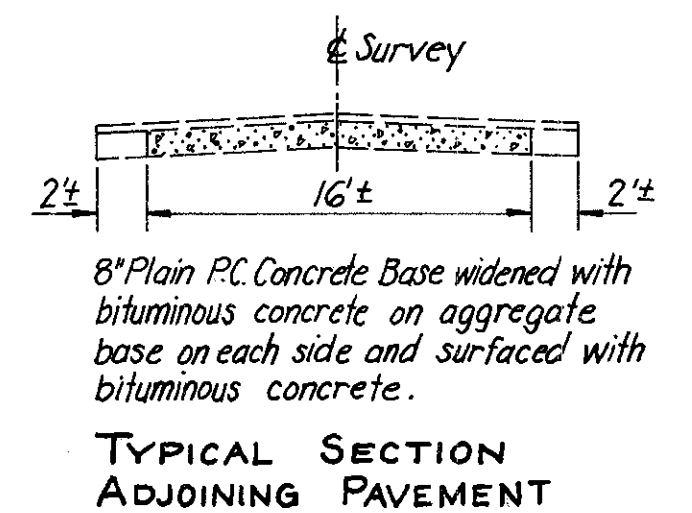
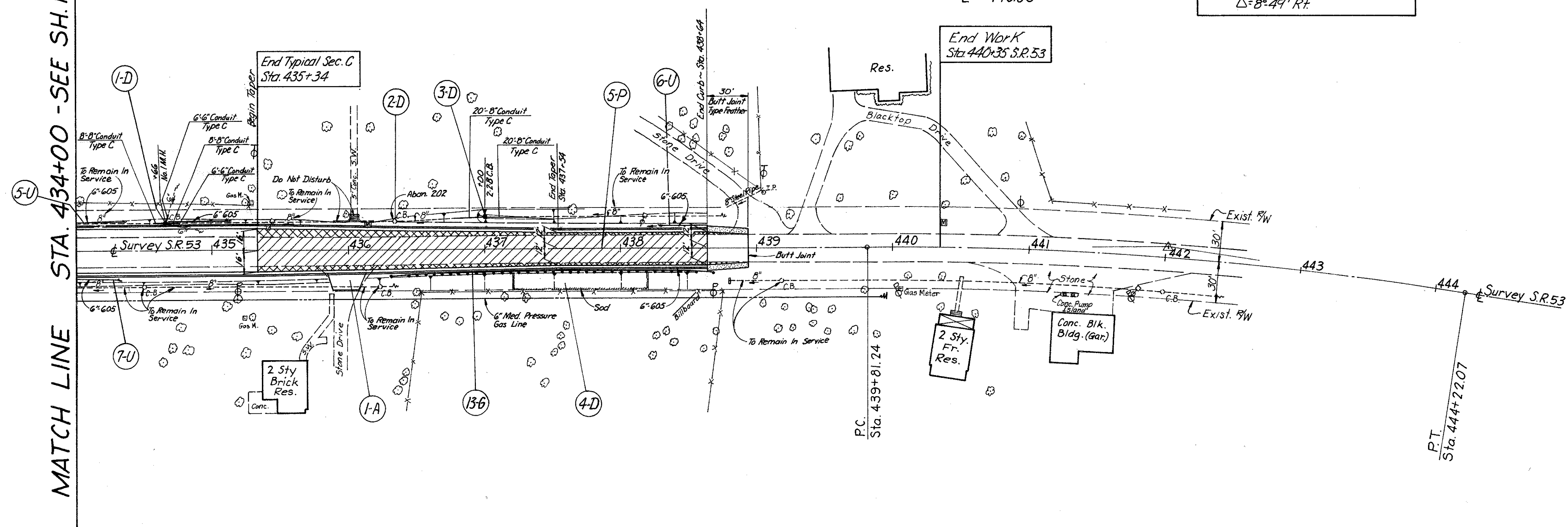
CALC BY	J.C.W.	DATE	10-26-77
CKD BY	D.R.S.	DATE	10-19-78

NO.	DATE	PROJECT
5	OHIO	

SEN-224-11.92
 SEN-53-7.75

MICROFILMED
JUN 10 1982

MATCH LINE STA. 434+00 - SEE SH. NO. 10



B.M. - Sta. 435+18, 30' Rt.
Spike in power pole
Elev. 762.04

B.M. - Sta. 437+09, 05' Lt.
Spike in 39" Tree
Elev. 772.79

