

SITE "A-4"

SITE "A-1"

EXISTING MUNICIPAL LIMITS

OHIO




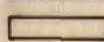
W.VA. 2

W.VA. 56

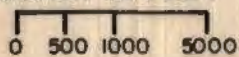
RIVER

SITES "B-1, B-2, B-3"

LEGEND

-  RESIDENTIAL
-  COMMERCIAL AND INDUSTRIAL
-  PUBLIC AND OPEN SPACE
-  AGRICULTURE AND VACANT

SCALE IN FEET

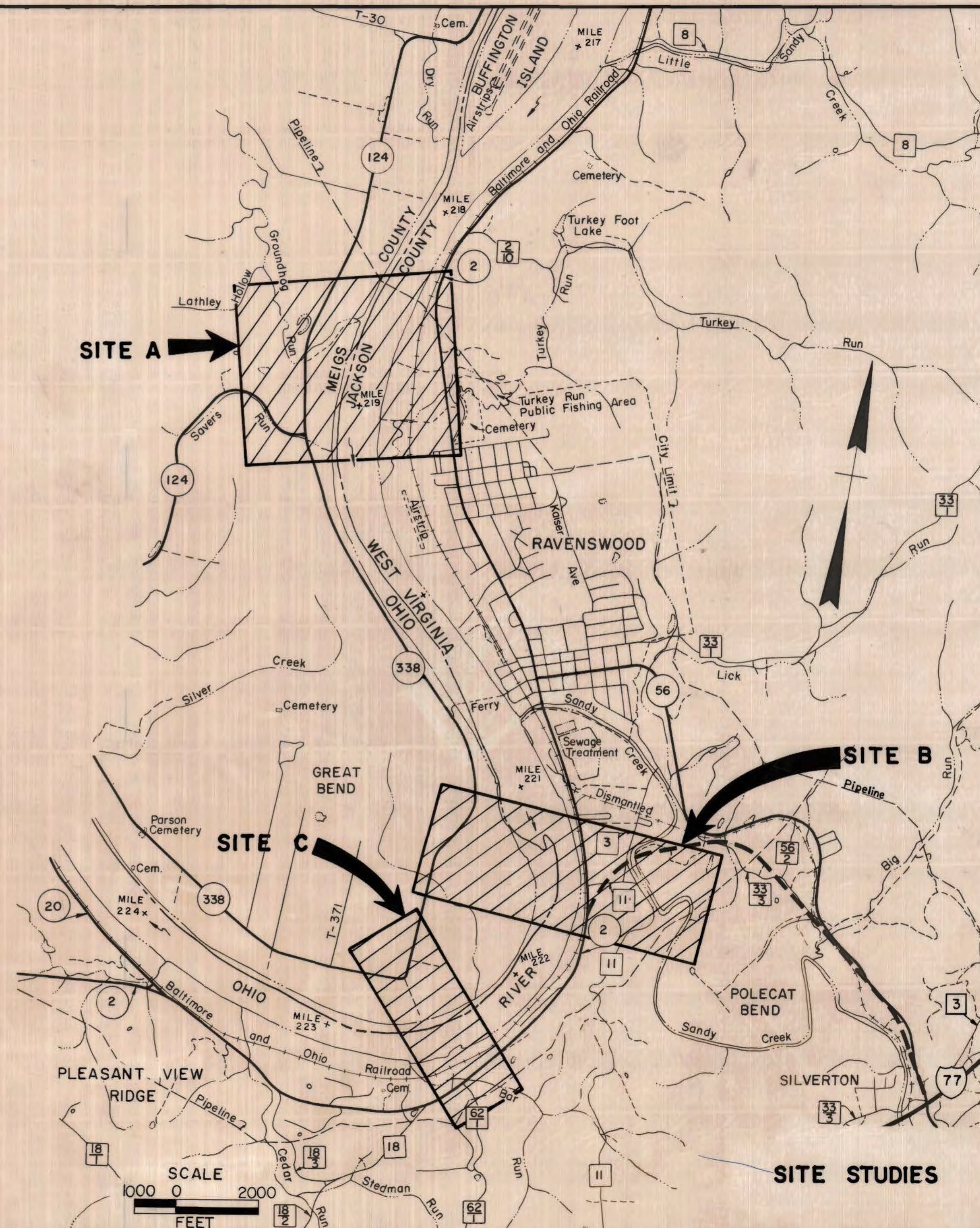


SOURCE: RAVENSWOOD COMP. PLAN & R/E OF MICHAEL BAKER, JR., INC.

**RAVENSWOOD , JACKSON COUNTY
WEST VIRGINIA**



**GENERALIZED EXISTING
LAND USE**



SITE A

SITE B

SITE C

SITE STUDIES

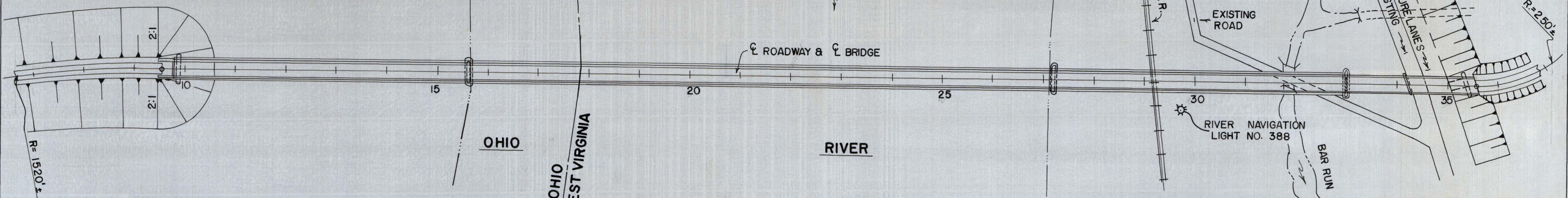
SCALE
1000 0 2000
FEET



LOCATION MAP

MEIGS CO.
OHIO

JACKSON CO.
WEST VIRGINIA



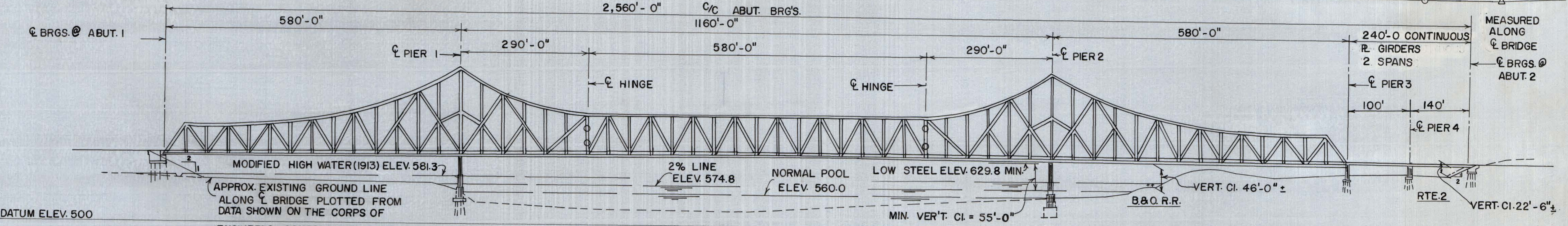
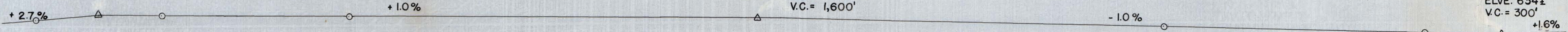
PLAN



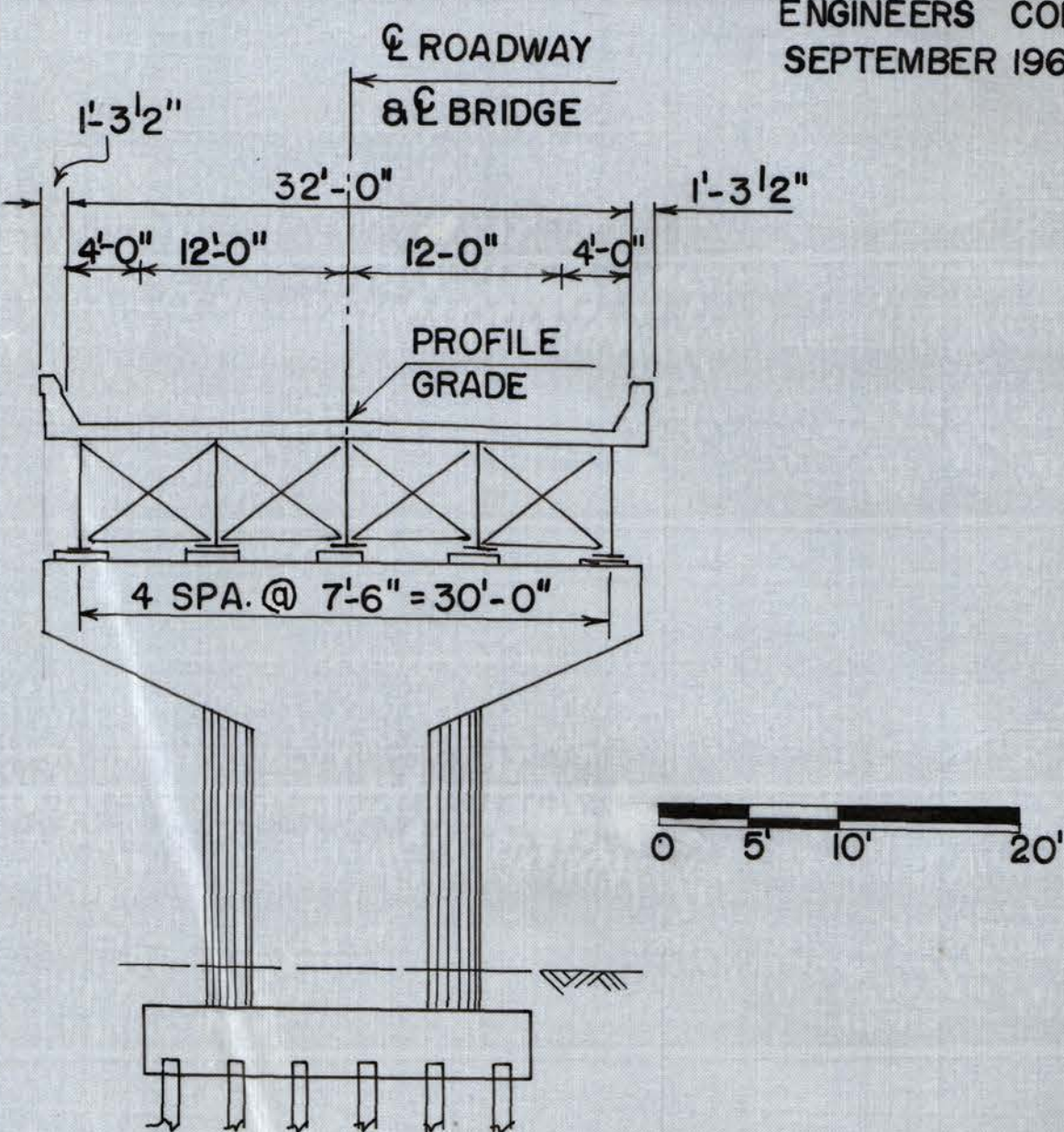
P.V.I. 8+50
ELEV. 635 ±
V.C. = 250'

P.V.I. STA. 21+40
ELEV. 648.0 ±
V.C. = 1,600'

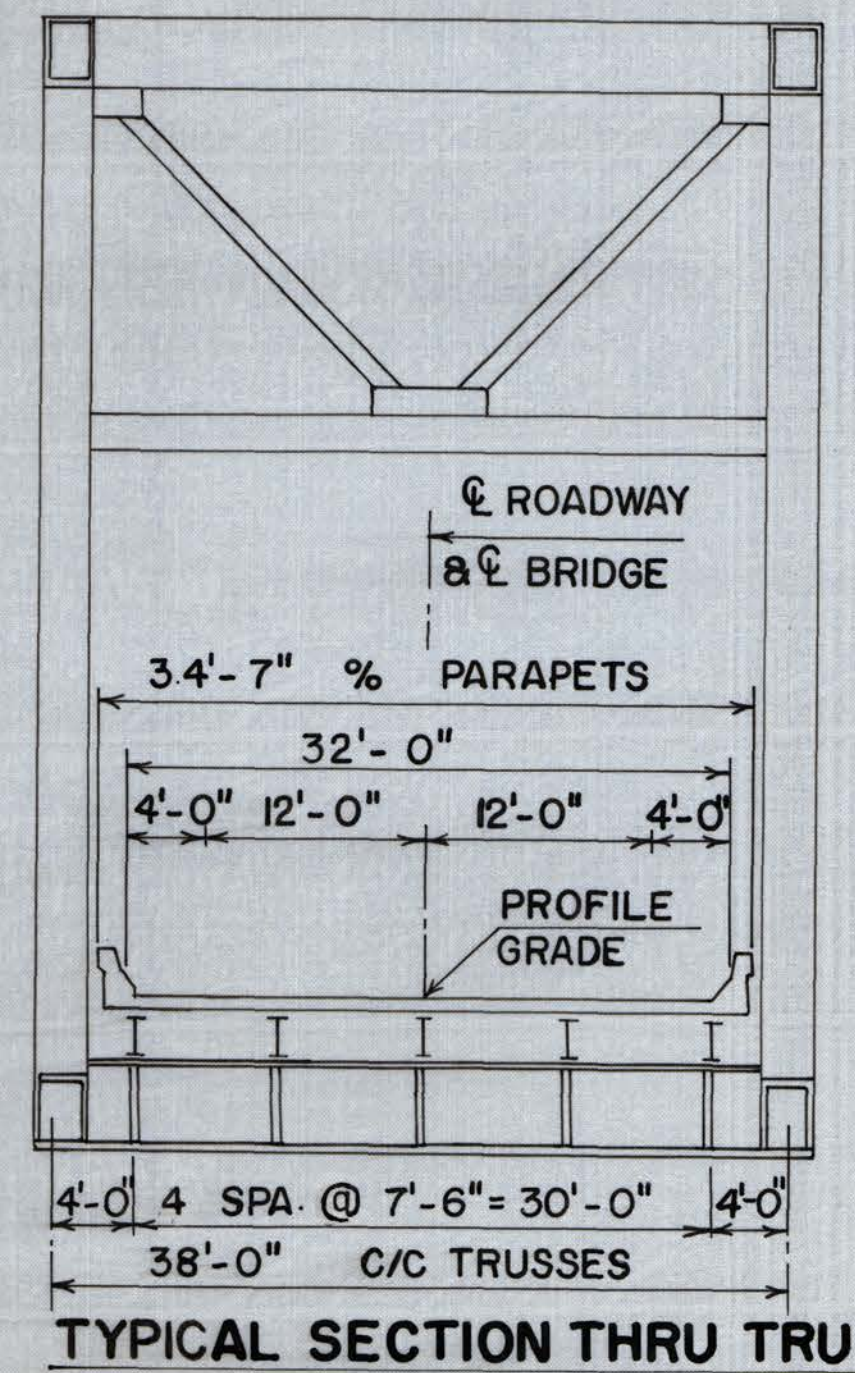
P.V.I. STA. 36+00
ELEV. 634 ±
V.C. = 300'



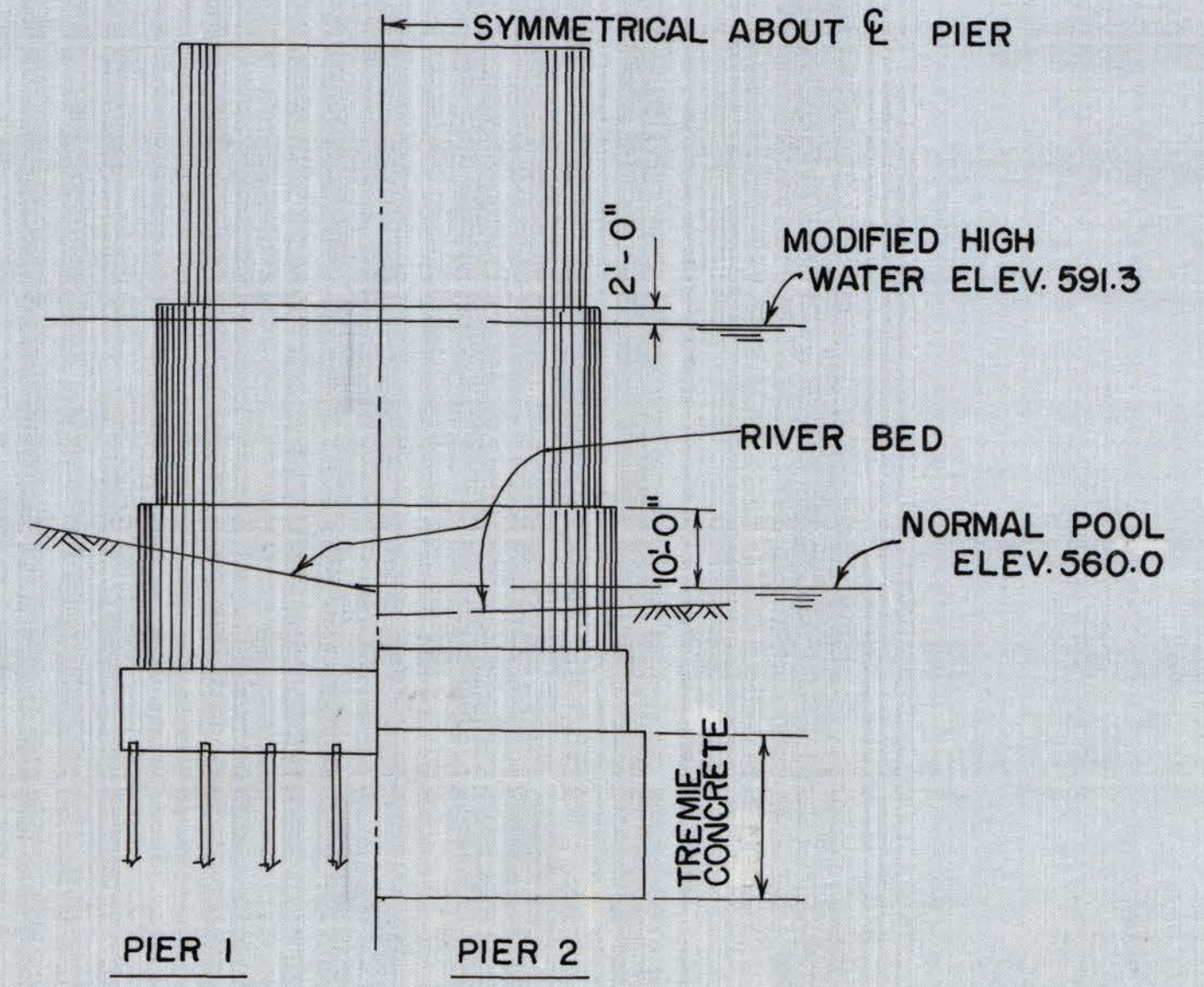
ELEVATION



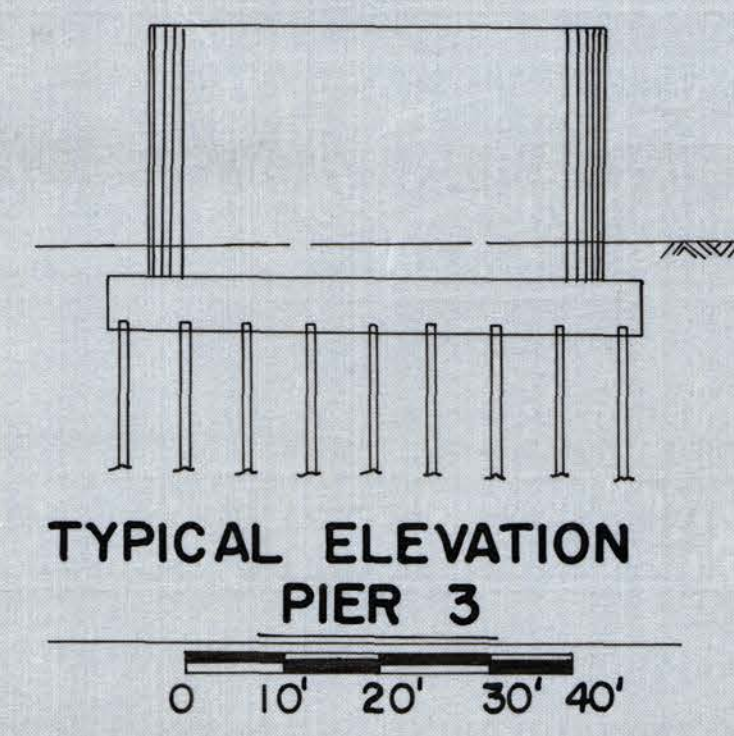
TYPICAL SECTION - PIER 4



TYPICAL SECTION THRU TRUSS



TYPICAL HALF ELEVATIONS

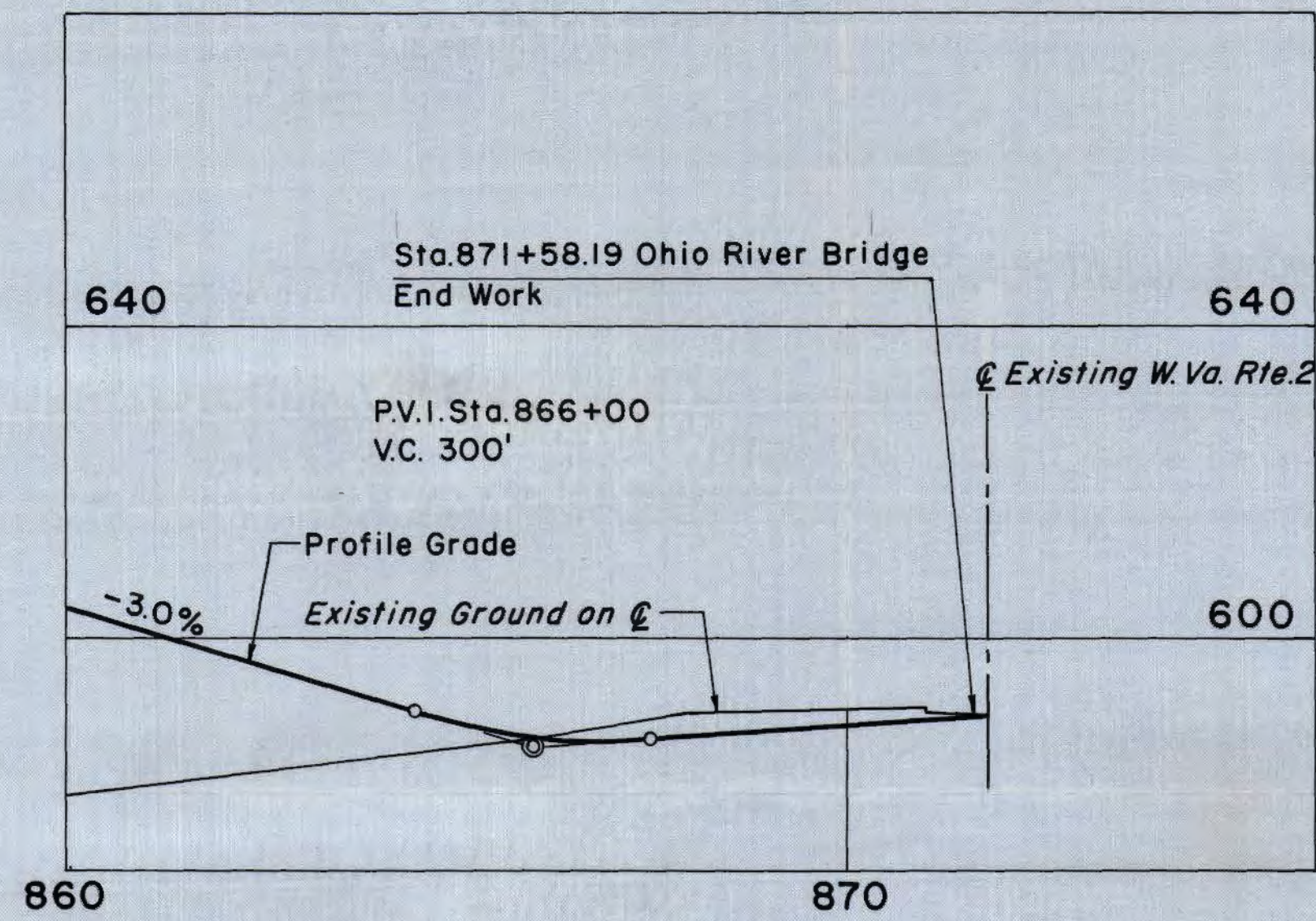


TYPICAL ELEVATION PIER 3

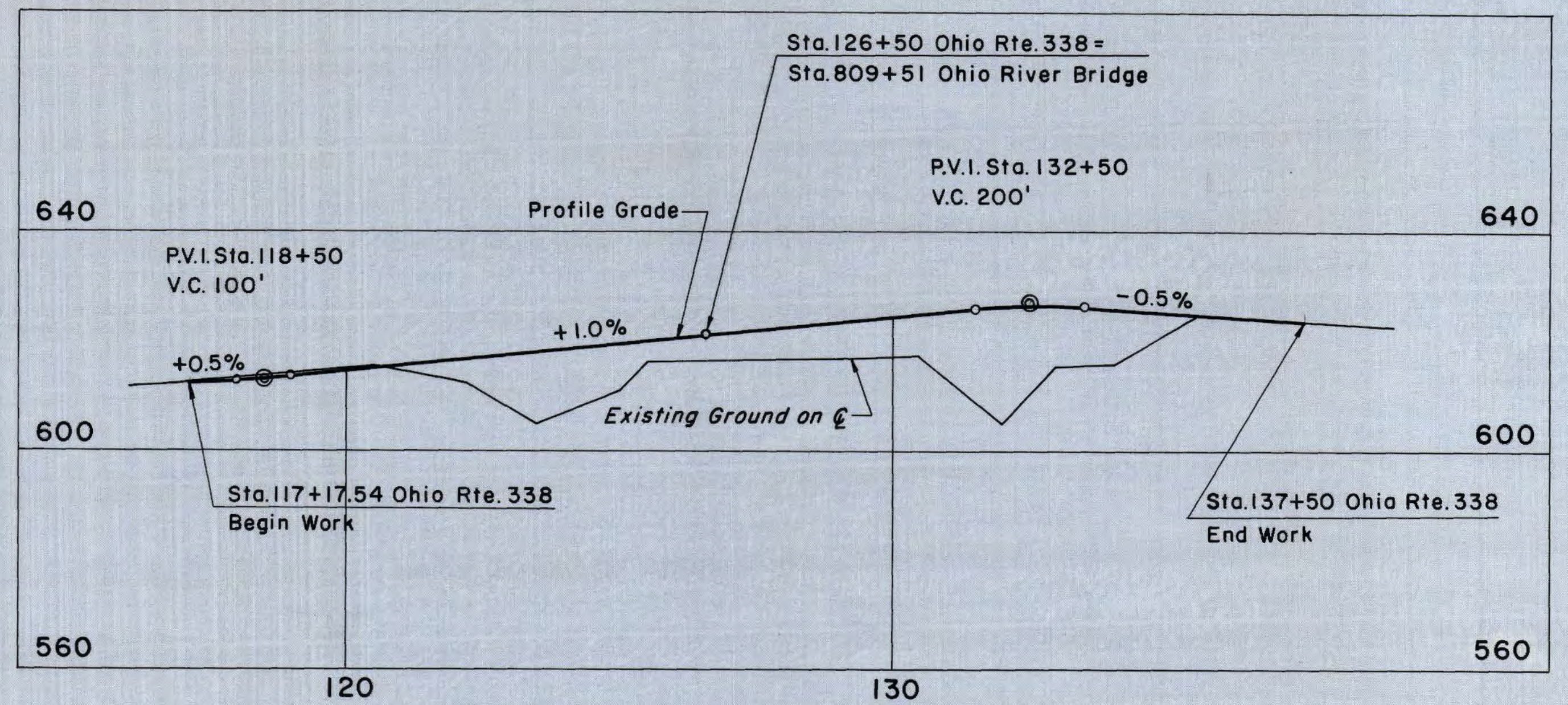


NOTES:
ALL ELEVATIONS SHOWN REFER TO THE SANDY HOOK DATUM.
ALL DIMENSIONS SHOWN ARE APPROXIMATE.
THE CROSSING IS LOCATED AT APPROXIMATELY U.S. CORPS OF ENGINEERS MILE POINT 222.45.

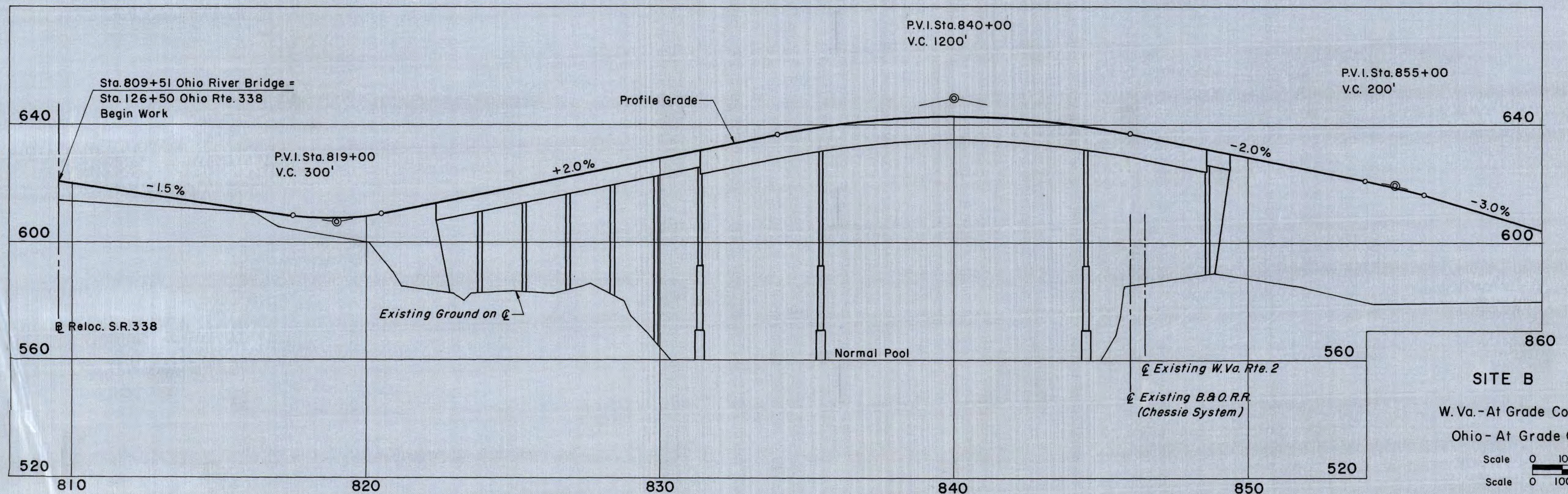
OHIO RIVER BRIDGE
ELEVATION AND TYPICAL SECTION
SITE C



OHIO RIVER BRIDGE



GRADE CHANGE OHIO ROUTE 338



OHIO RIVER BRIDGE

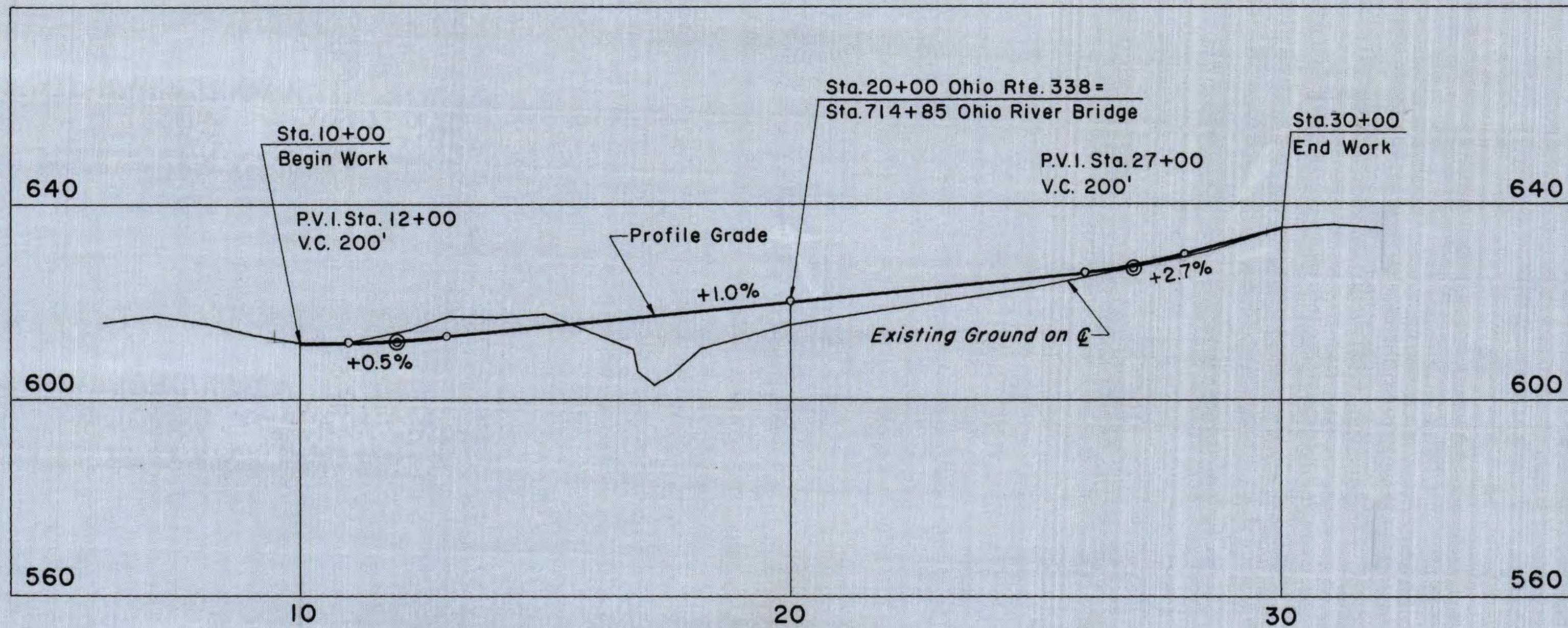
SITE B ALTERNATE B-5

W. Va. - At Grade Connection W/ Reloc. Rte. 2

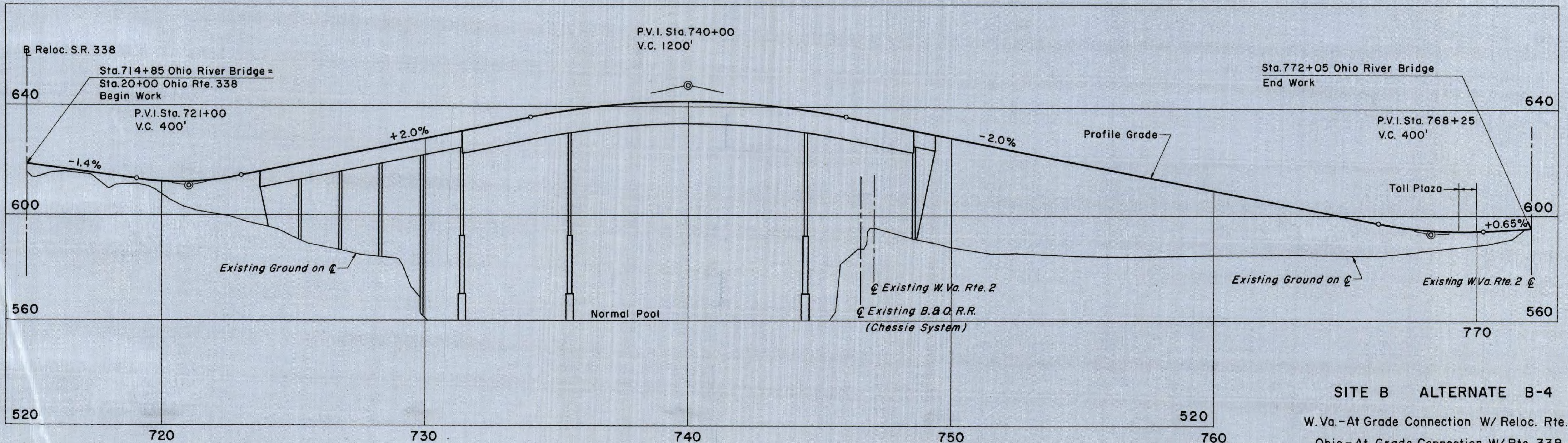
Ohio - At Grade Connection W/ Rte. 338

Scale 0 10 20 40 Vert.

Scale 0 100 200 400 Horiz.



GRADE CHANGE OHIO ROUTE 338

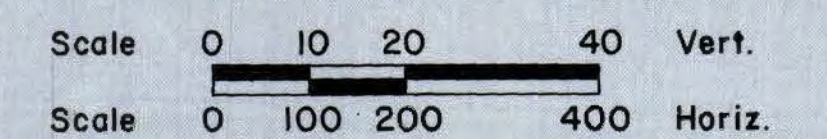


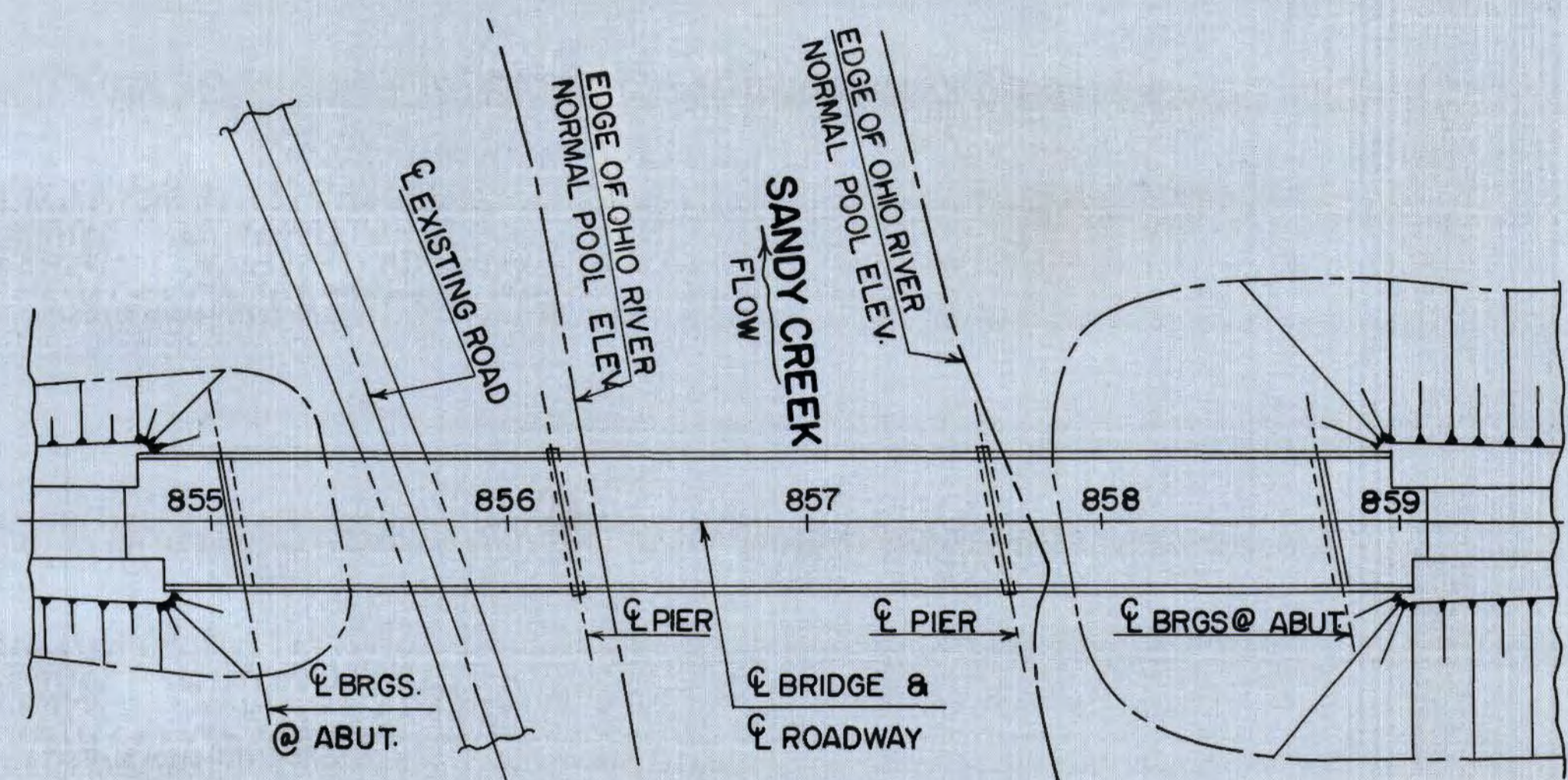
OHIO RIVER BRIDGE

SITE B ALTERNATE B-4

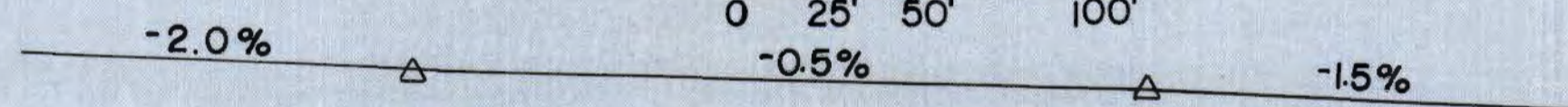
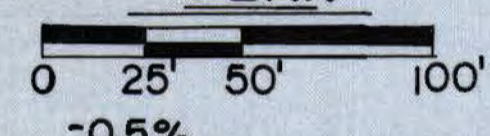
W. Va. - At Grade Connection W/ Reloc. Rte. 2

Ohio - At Grade Connection W/ Rte. 338





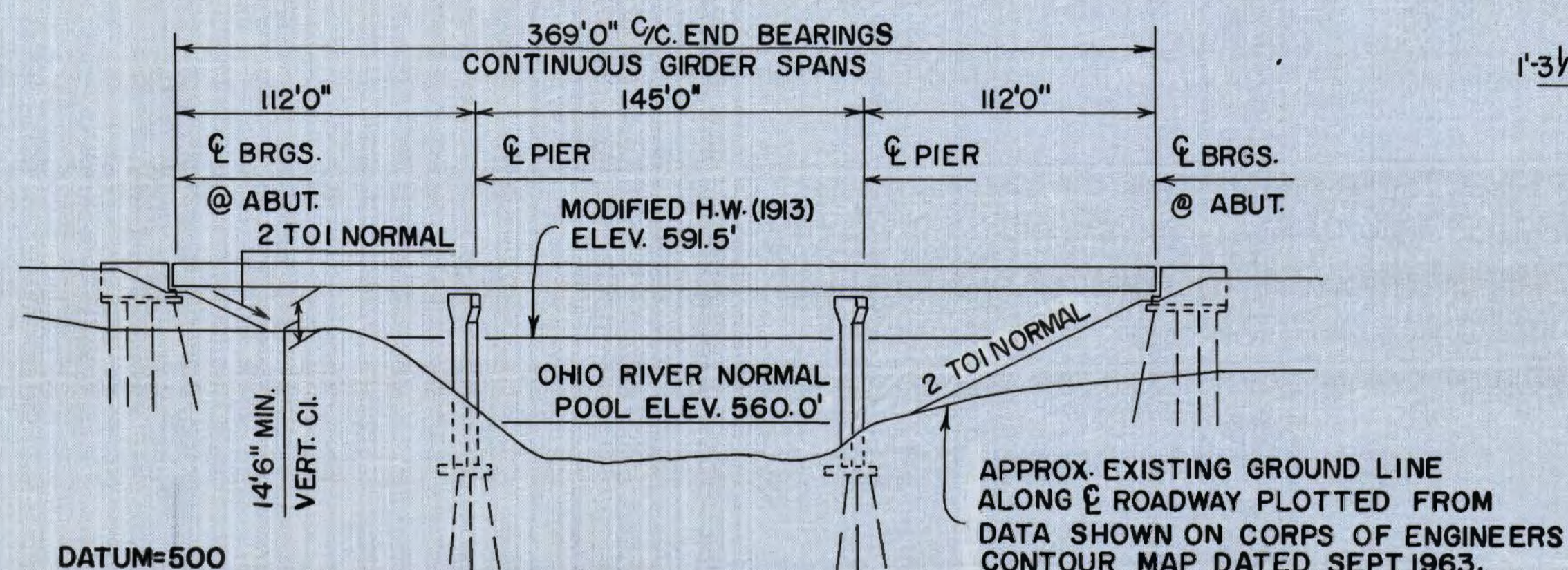
PLAN



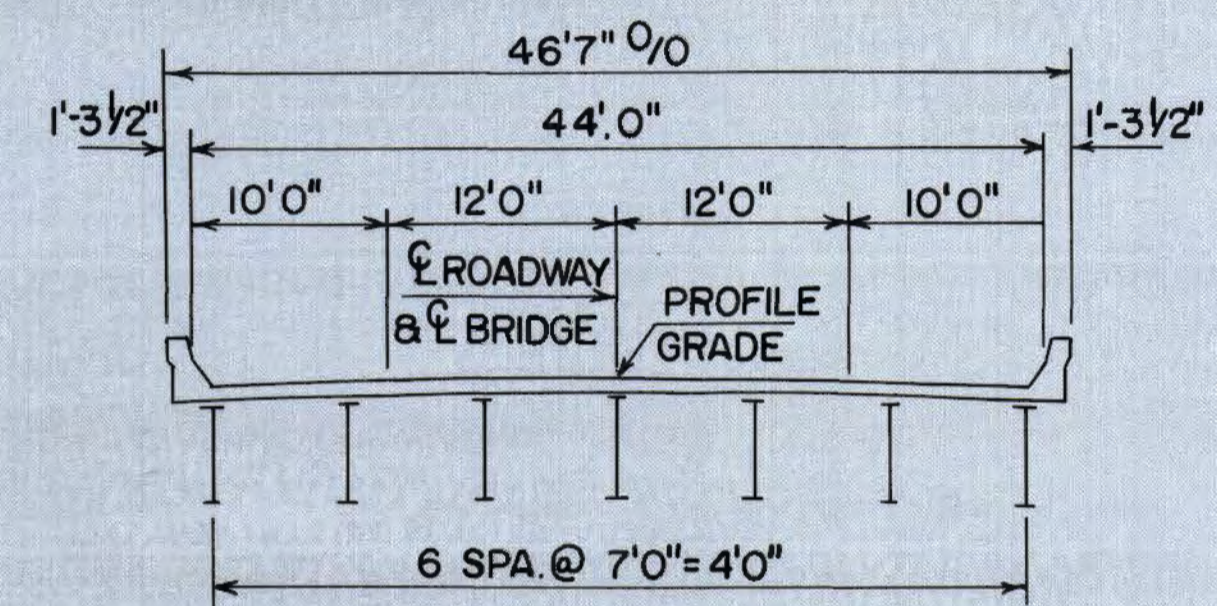
P.V.I. STA. 847+00
ELEV.=622.0
V.C.=300'

P.V.I. STA. 864+00
ELEV.=613.5
V.C.=300'

PROFILE GRADE



ELEVATION



TYPICAL SECTION



BRIDGE APPROACH OVER SANDY CREEK

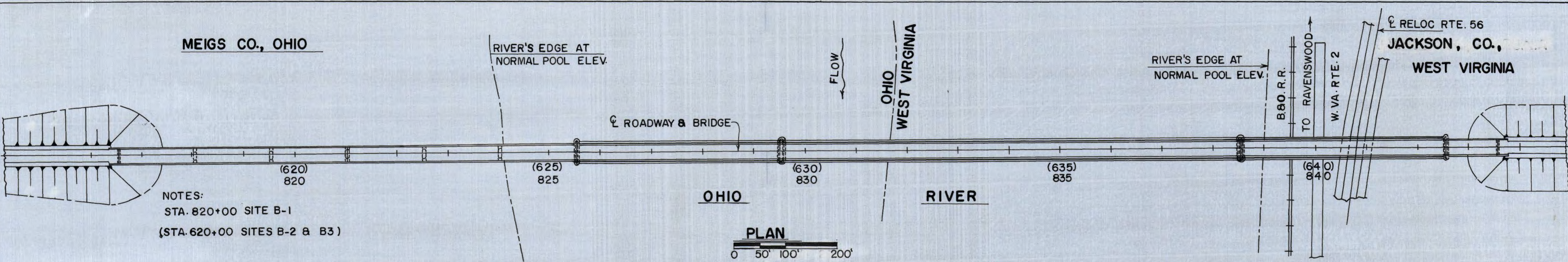
NOTES:
ALL ELEVATIONS SHOWN REFER TO SANDY HOOK DATUM
ALL DIMENSIONS SHOWN ARE APPROXIMATE.

OHIO RIVER BRIDGE
STRUCTURE OVER SANDY CREEK
SITE B

MICHAEL BAKER, JR., INC. CONSULTING ENGINEERS

MEIGS CO., OHIO

JACKSON, CO., WEST VIRGINIA



NOTES:
 STA. 820+00 SITE B-1
 (STA. 620+00 SITES B-2 & B3)

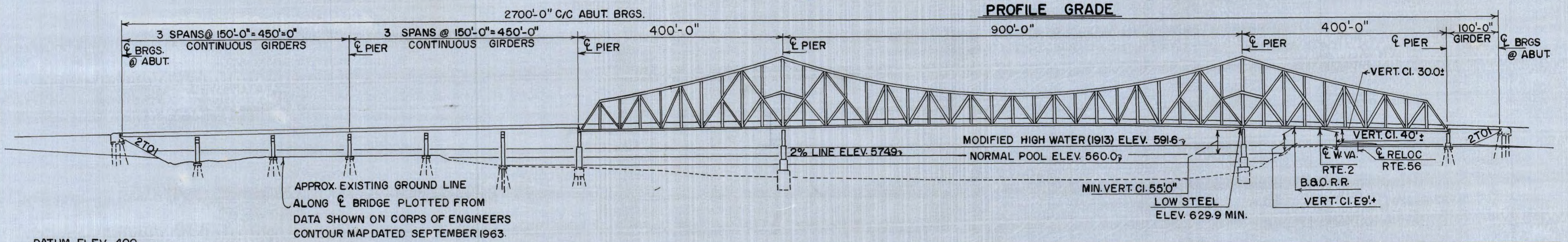
OHIO RIVER

+20%

-20%

SITE B-1 P.V.I. STA. 834+00 ELEV. 648.0
 SITE B-2 P.V.I. STA. 633+25 ELEV. 652.5
 SITE B-3 P.V.I. 633+50 ELEV. 649.5

PROFILE GRADE



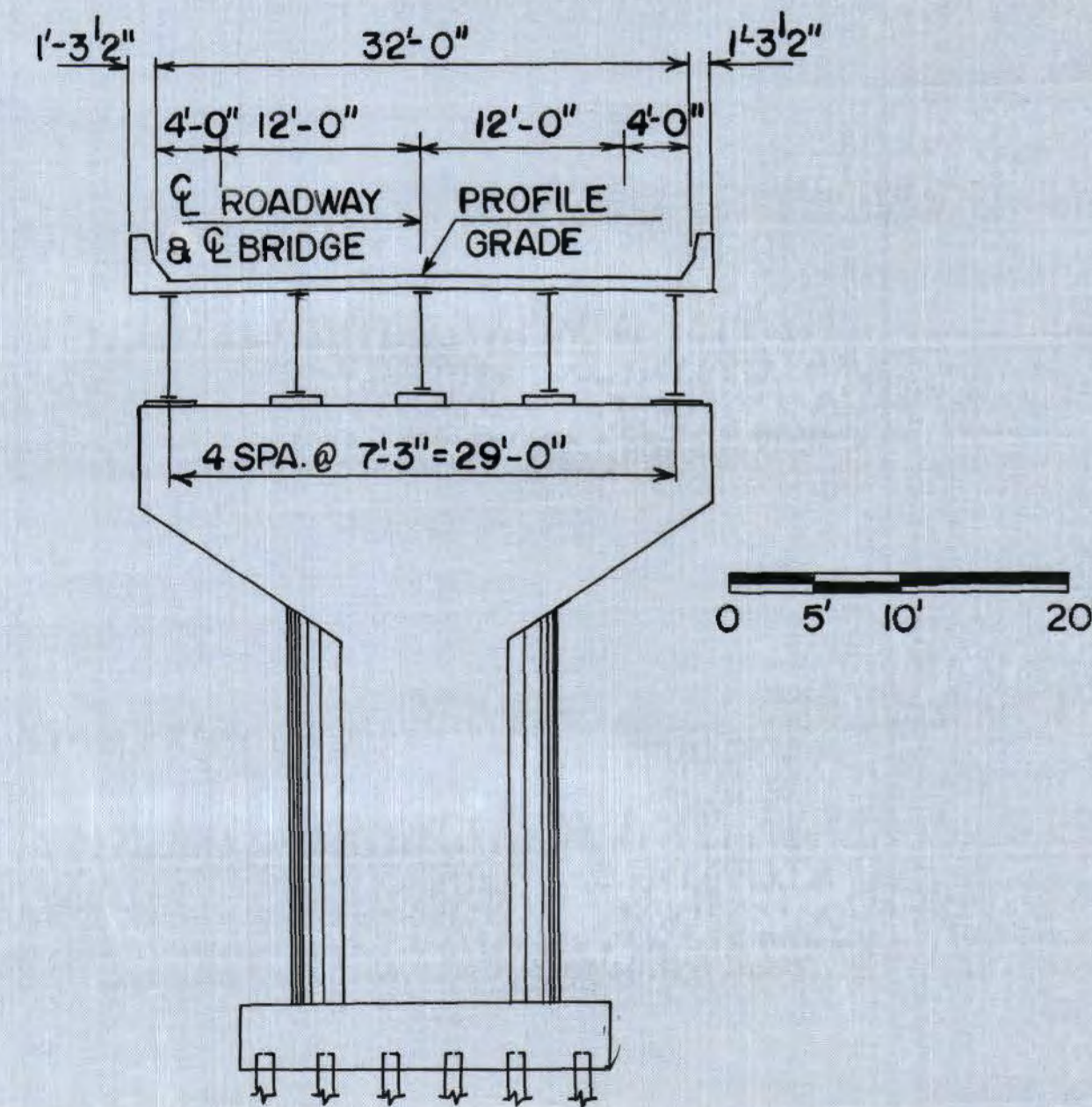
DATUM ELEV. 400

ELEVATION

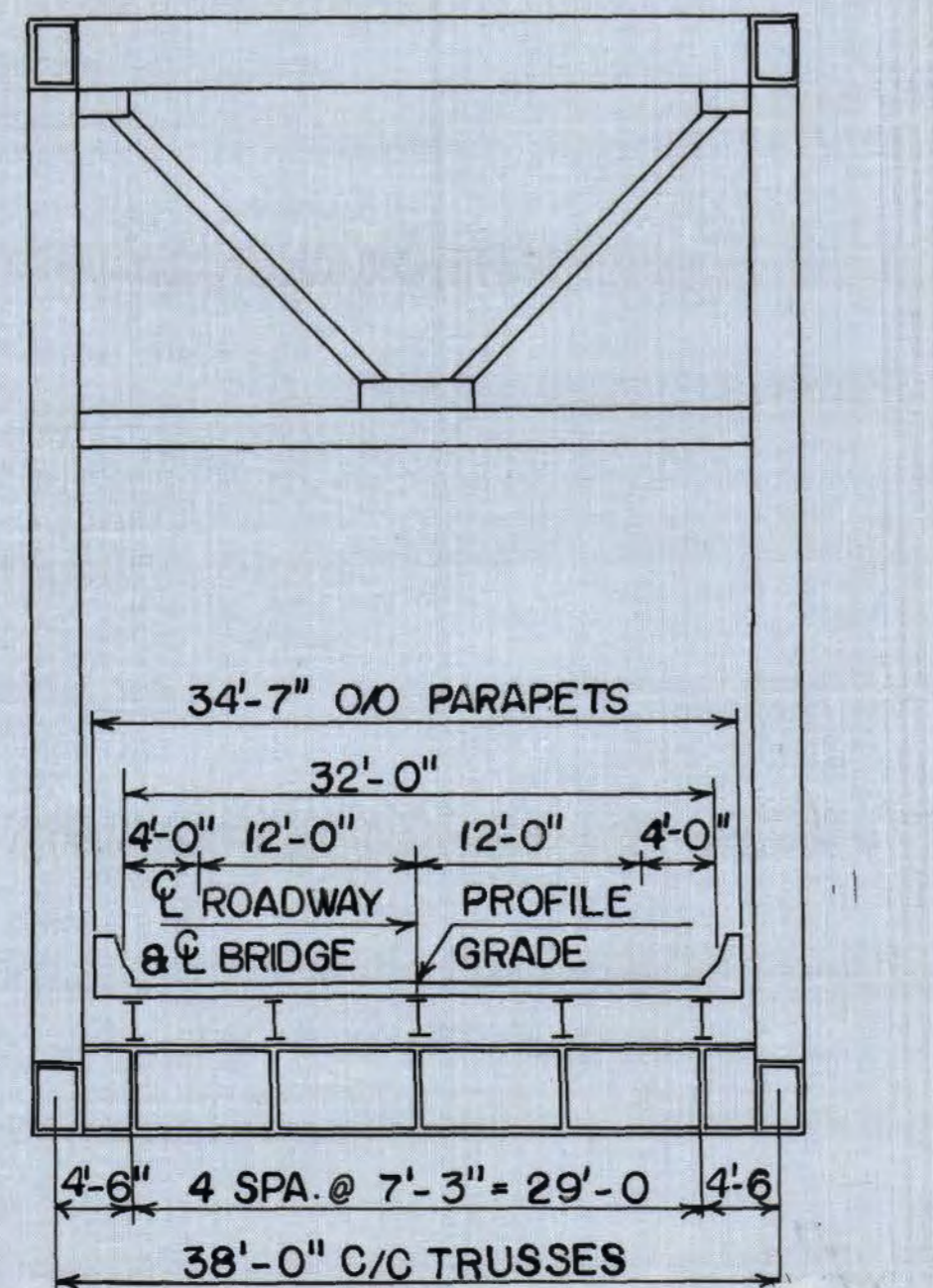
0 50' 100' 200'

NOTES:

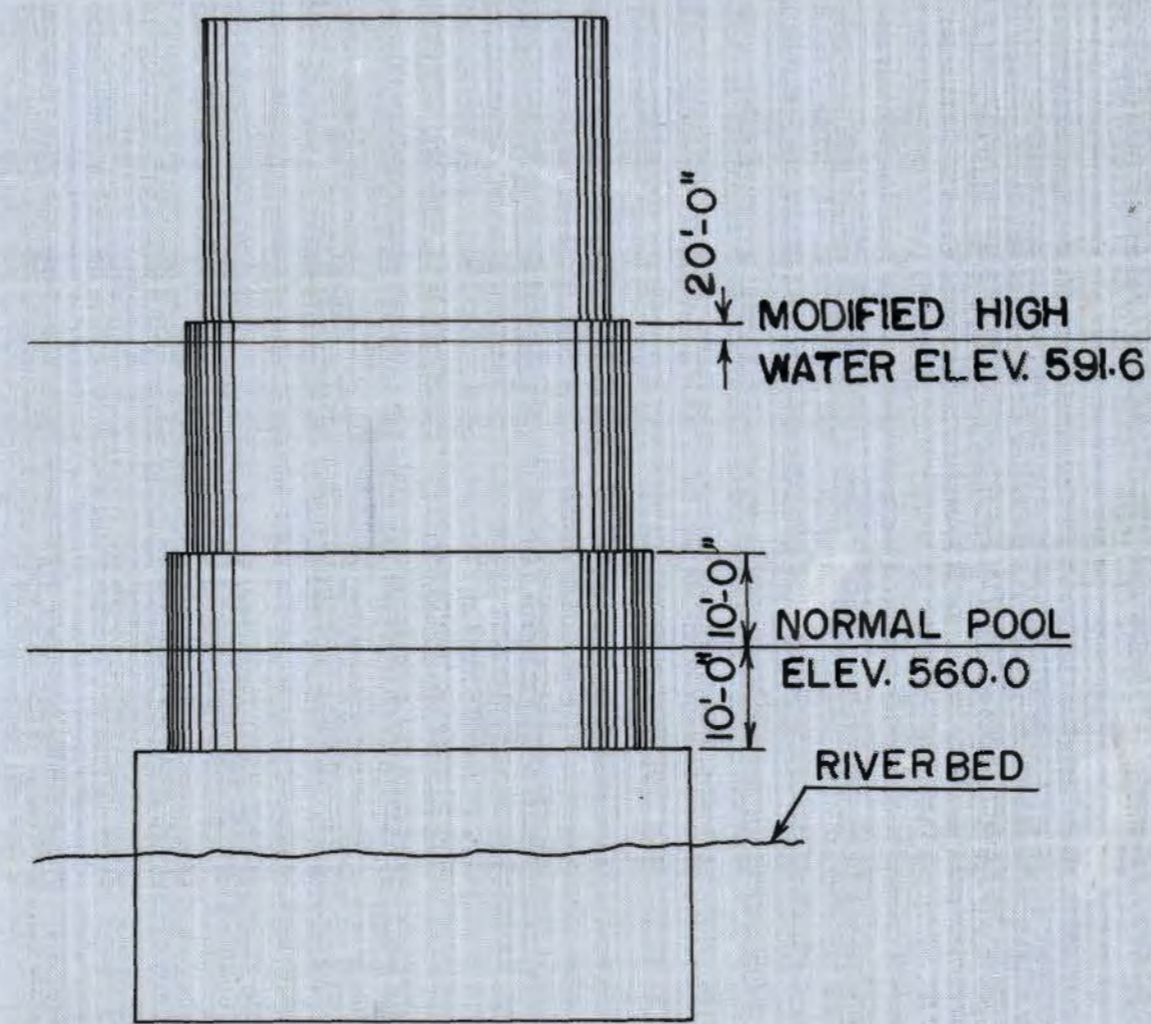
ALL ELEVATIONS SHOWN REFER TO THE SANDY HOOK DATUM
 ALL DIMENSIONS SHOWN ARE APPROXIMATE
 THE CROSSING IS LOCATED AT APPROXIMATELY U.S. CORPS OF ENGINEERS MILE POINT 221.5.



TYPICAL SECTION THRU APPROACH SPANS



TYPICAL SECTION THRU TRUSS

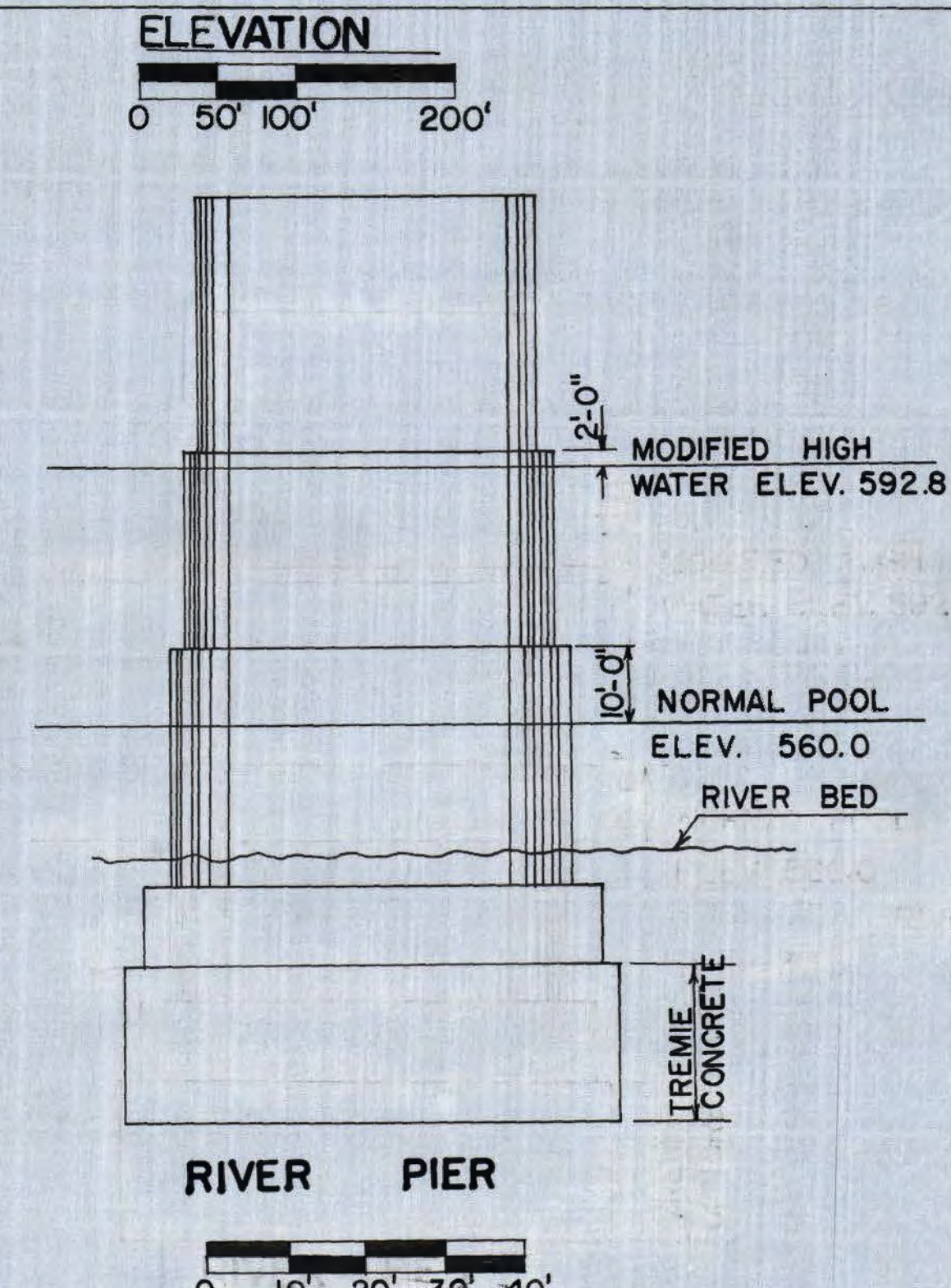
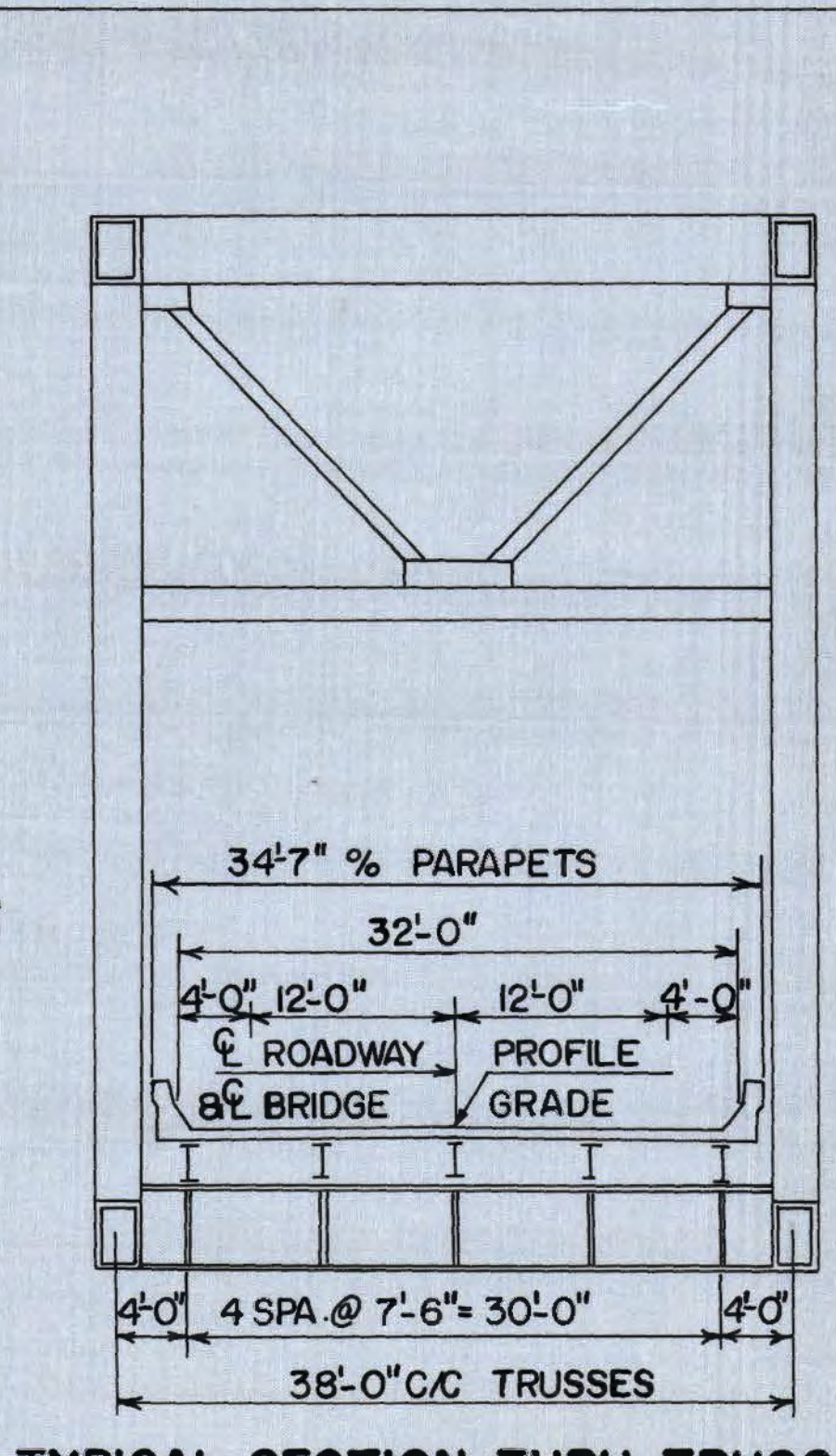
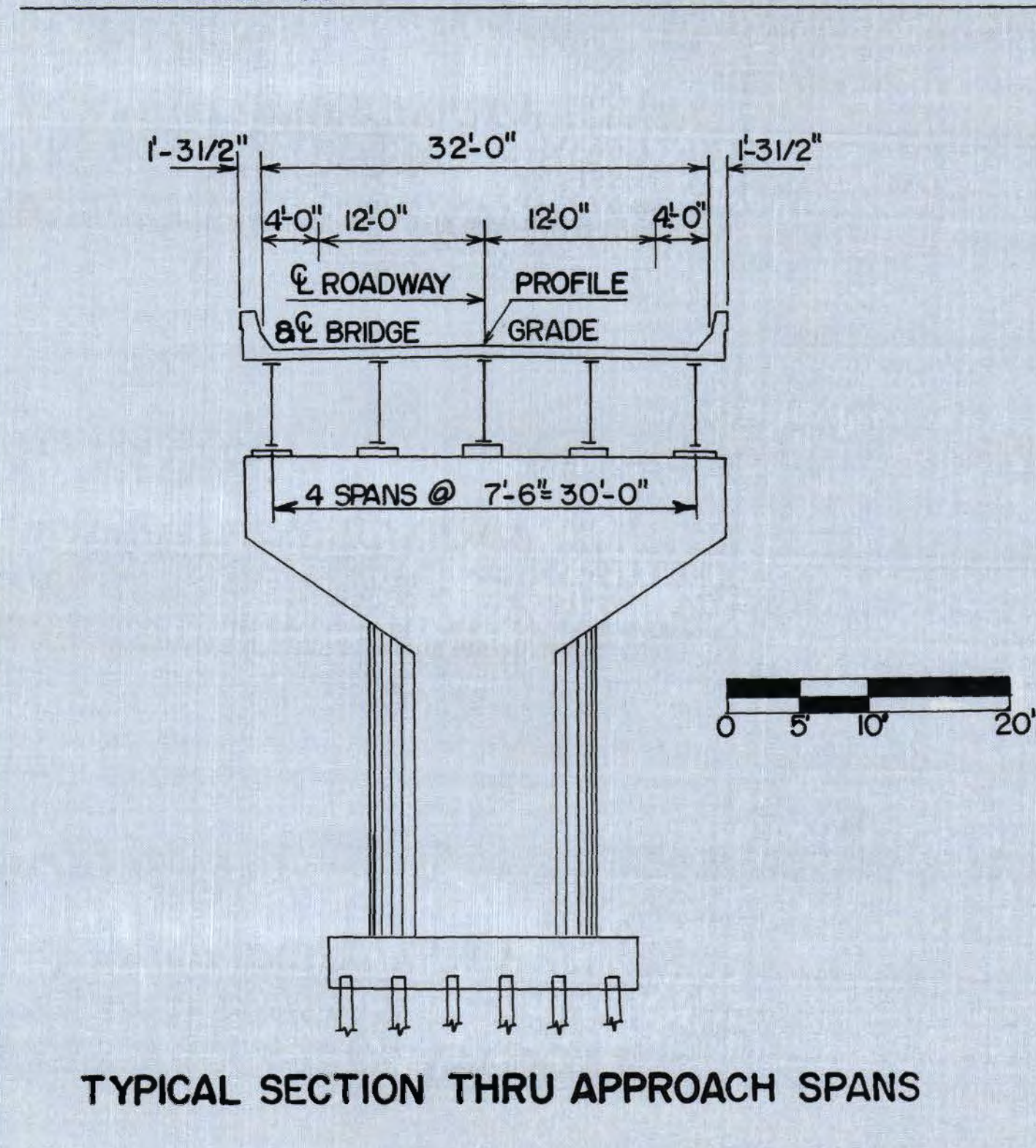
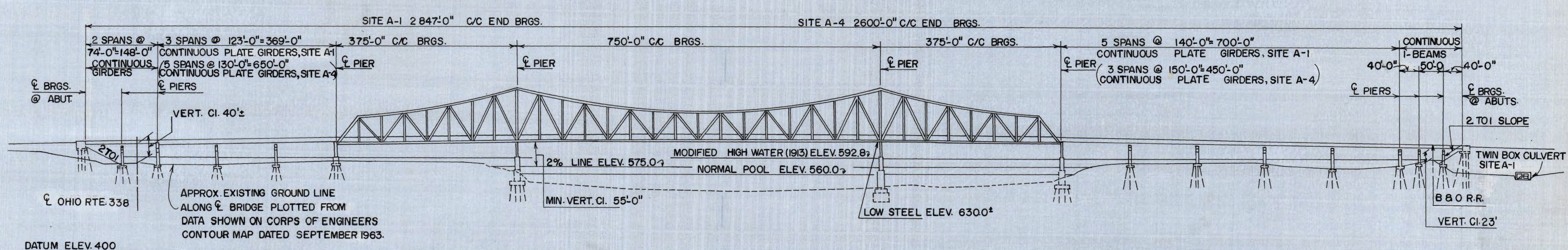
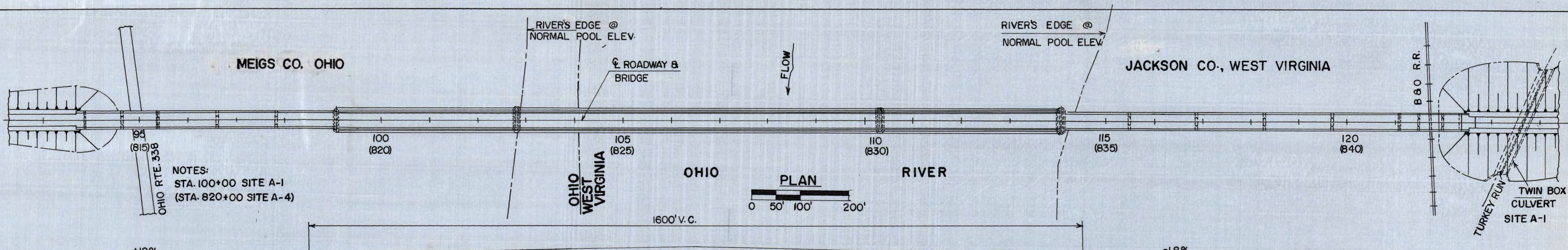


TYPICAL RIVER PIER

0 10' 20' 30' 40'

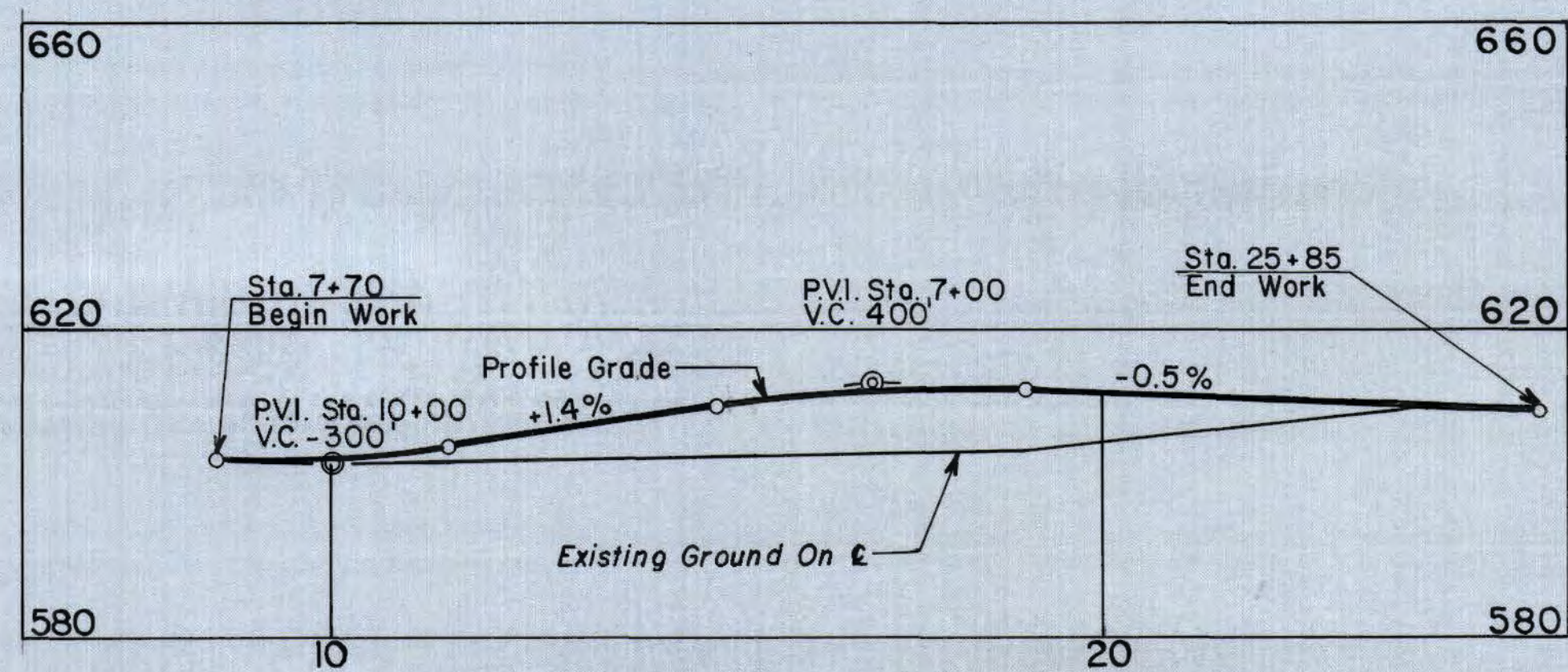
OHIO RIVER BRIDGE
 ELEVATION AND TYPICAL SECTION
 SITE B

MICHAEL BAKER, JR., INC. CONSULTING ENGINEERS



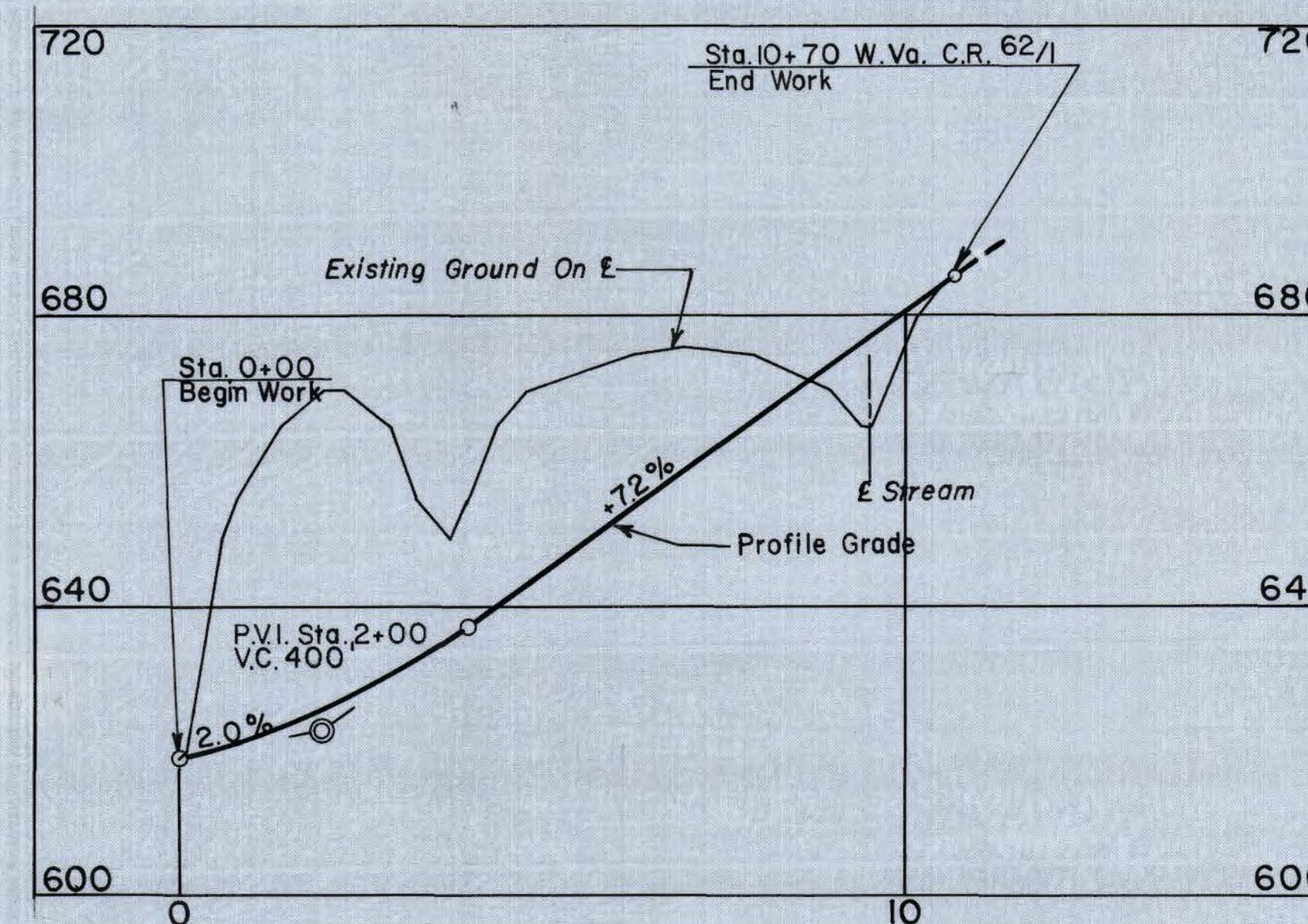
NOTES:
 ALL ELEVATIONS SHOWN REFER TO THE SANDY HOOK DATUM
 ALL DIMENSION SHOWN ARE APPROXIMATE
 THE CROSSING IS LOCATED AT APPROXIMATELY U.S. CORPS OF ENGINEERS MILE POINT 219.0

OHIO RIVER BRIDGE
 ELEVATION AND TYPICAL SECTION
 SITE A
 MICHAEL BAKER, JR., INC. CONSULTING ENGINEERS

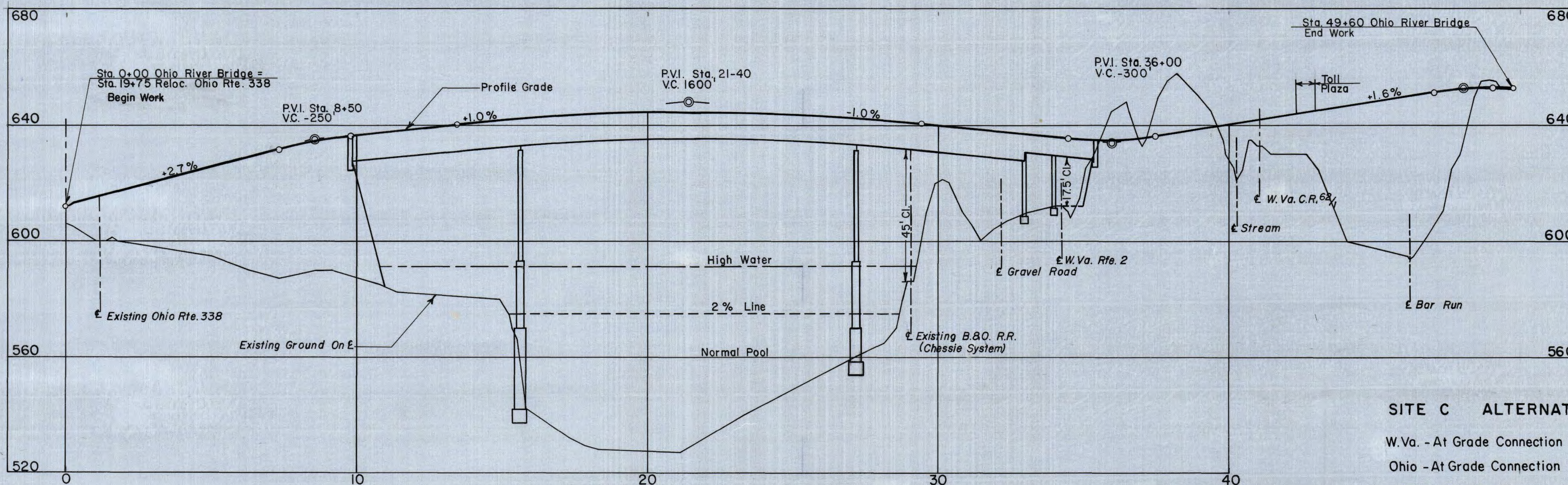


RELOCATED OHIO ROUTE 338

GRADE FOR RTE. 2
IMPROVEMENT SAME AS
EXISTING GRADE



RELOCATED W.VA. COUNTY ROAD 62/1

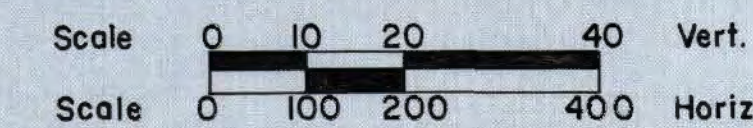


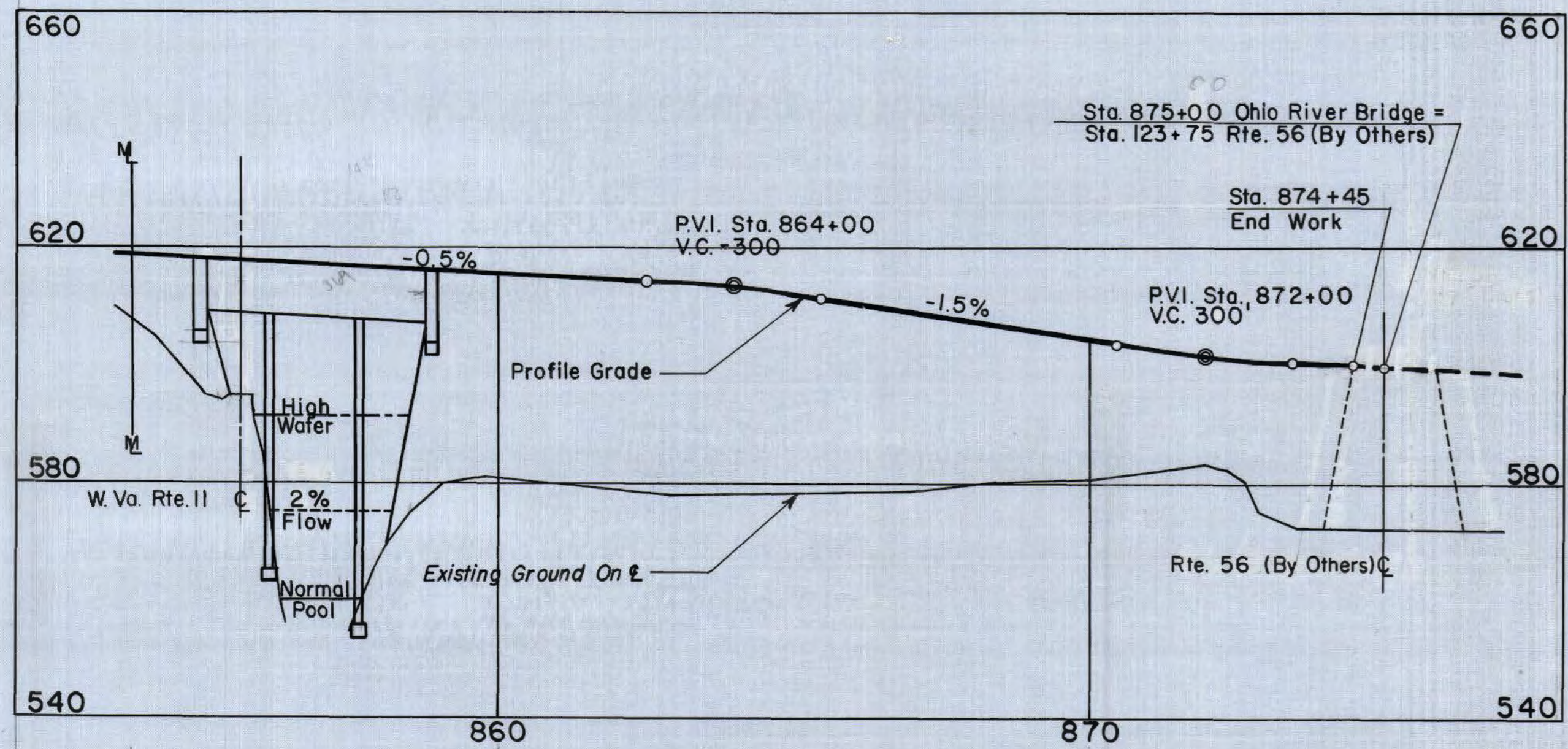
OHIO RIVER BRIDGE

SITE C ALTERNATE C-2

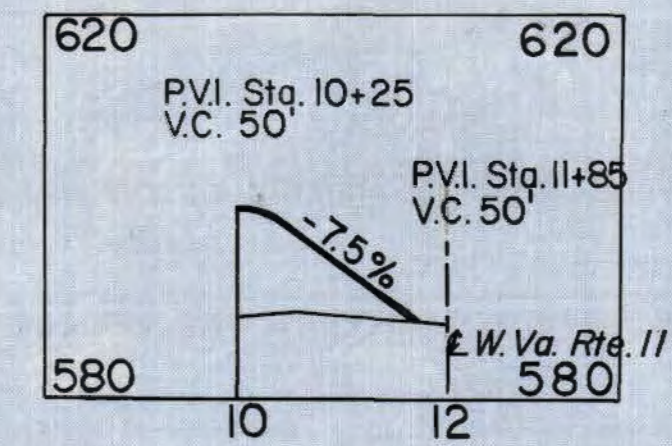
W.Va. - At Grade Connection W/Rte. 2

Ohio - At Grade Connection W/Rte. 338

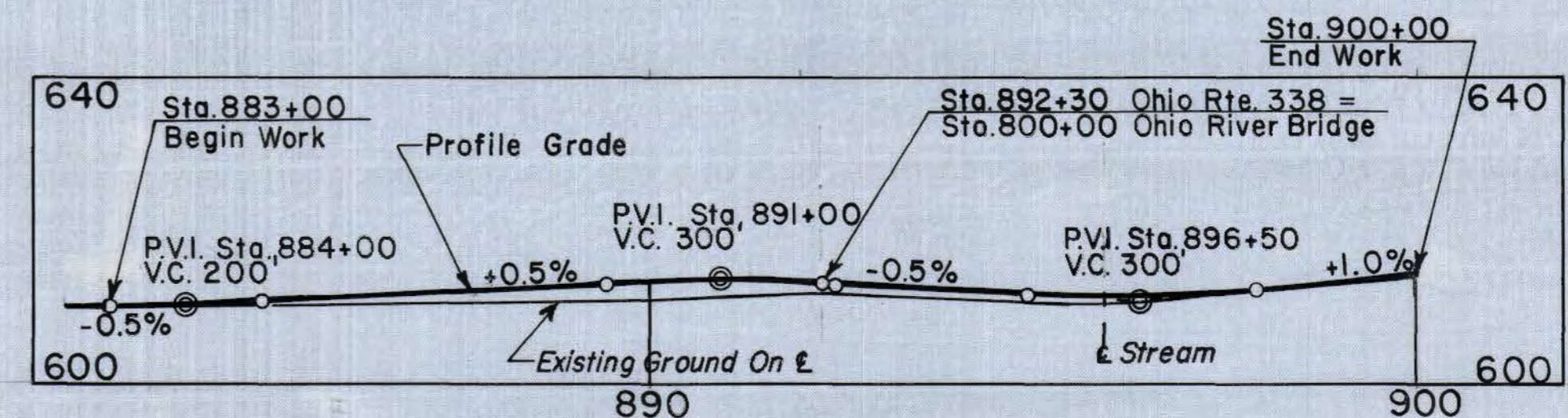




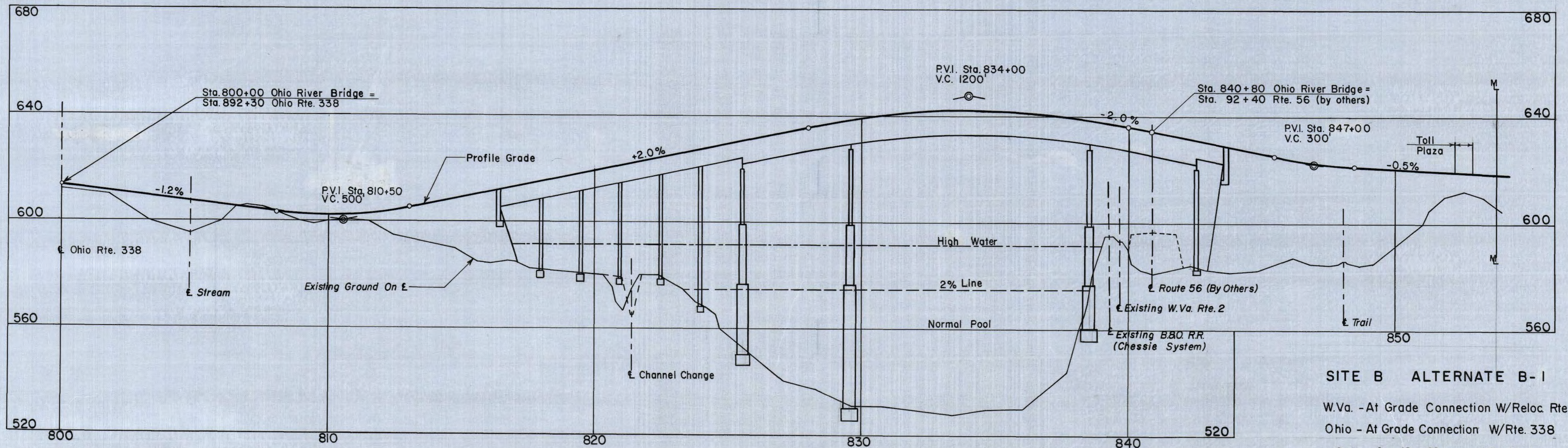
OHIO RIVER BRIDGE



TOLL PLAZA ACCESS ROAD



GRADE CHANGE OHIO ROUTE 338

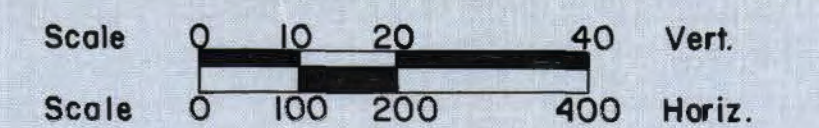


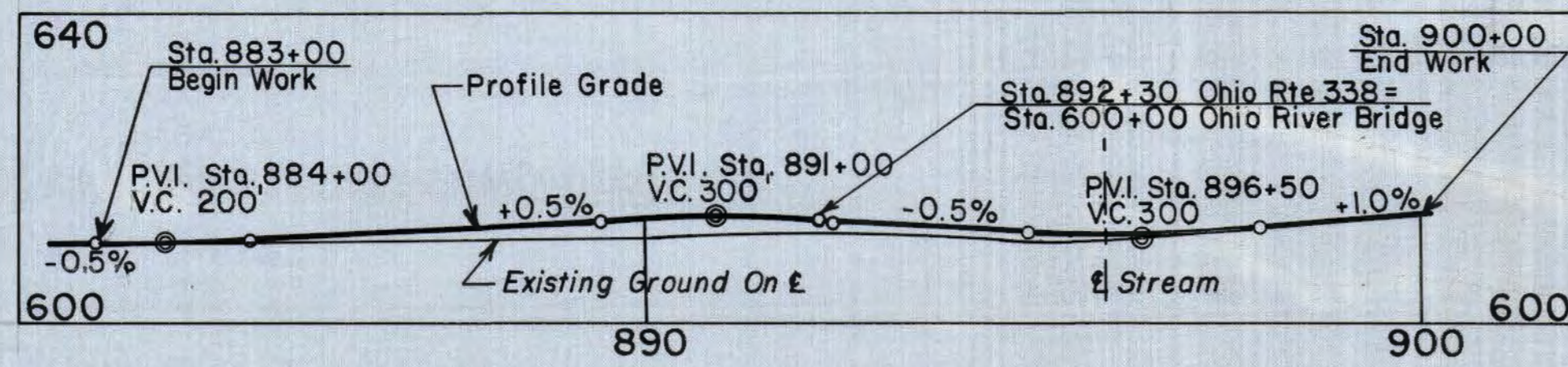
OHIO RIVER BRIDGE

SITE B ALTERNATE B-1

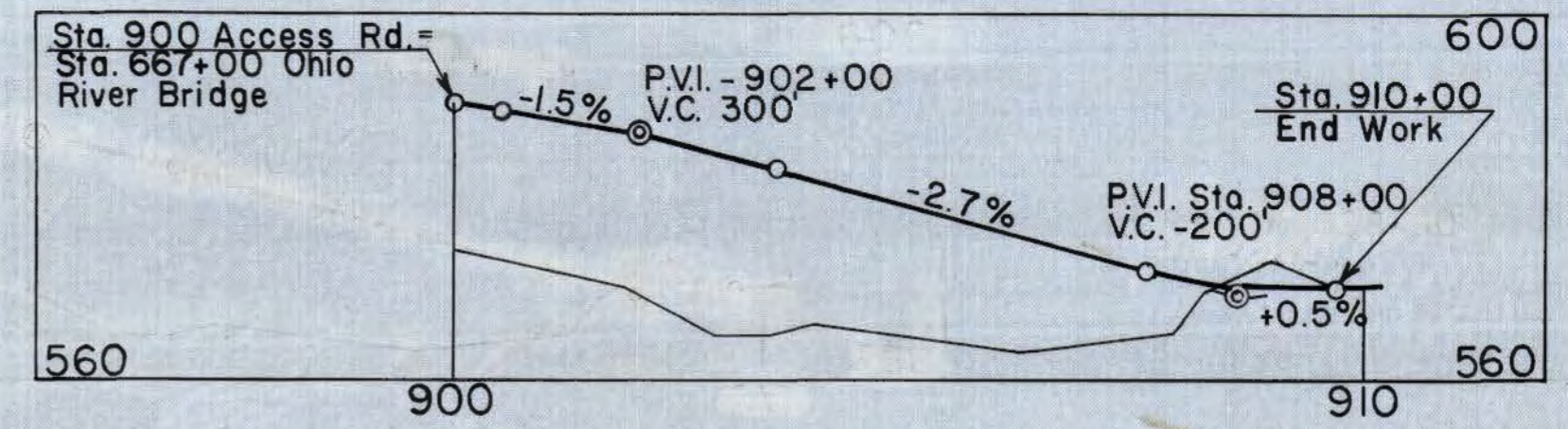
W. Va. - At Grade Connection W/Reloc Rte. 56

Ohio - At Grade Connection W/Rte. 338

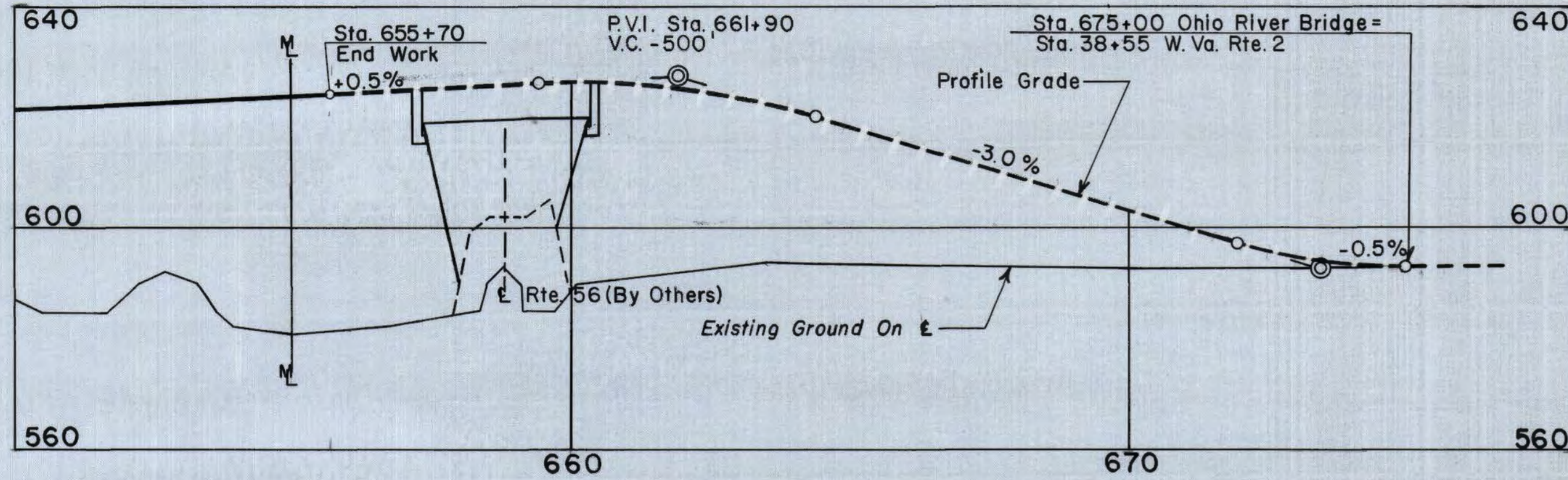




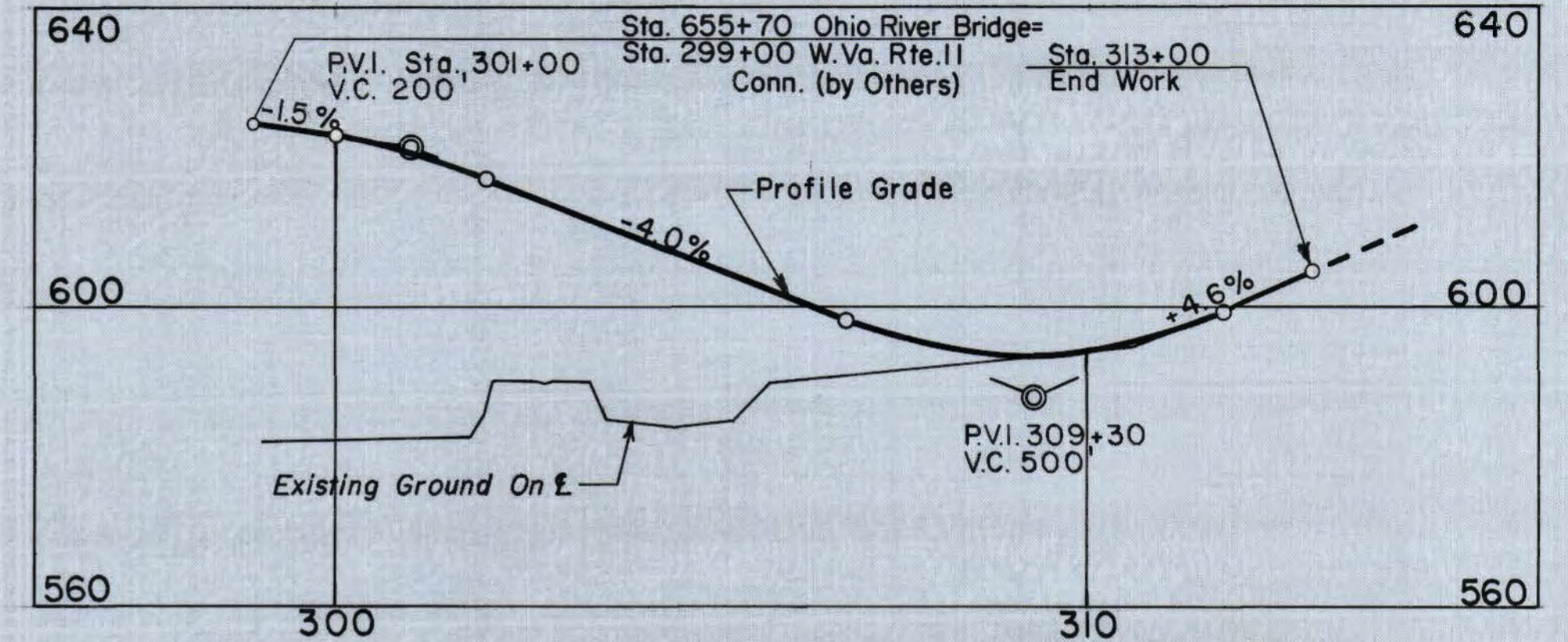
GRADE CHANGE OHIO ROUTE 338



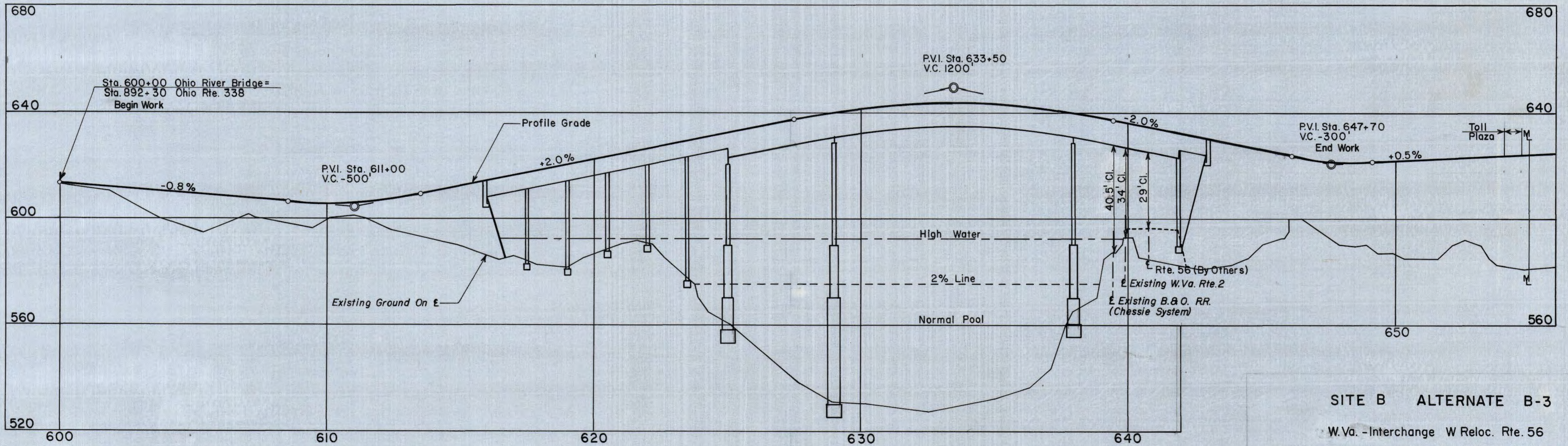
ACCESS ROAD "NN"
(BY OTHERS)



OHIO RIVER BRIDGE



ACCESS ROAD TO W. VA. COUNTY ROUTE II
(BY OTHERS)

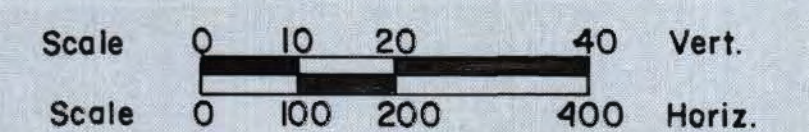


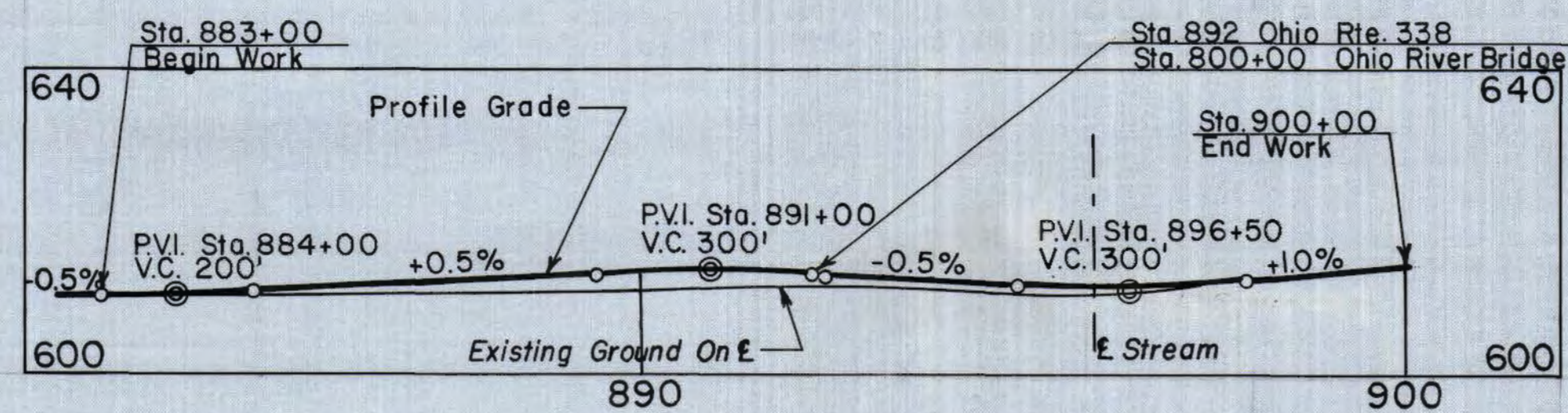
OHIO RIVER BRIDGE

SITE B ALTERNATE B-3

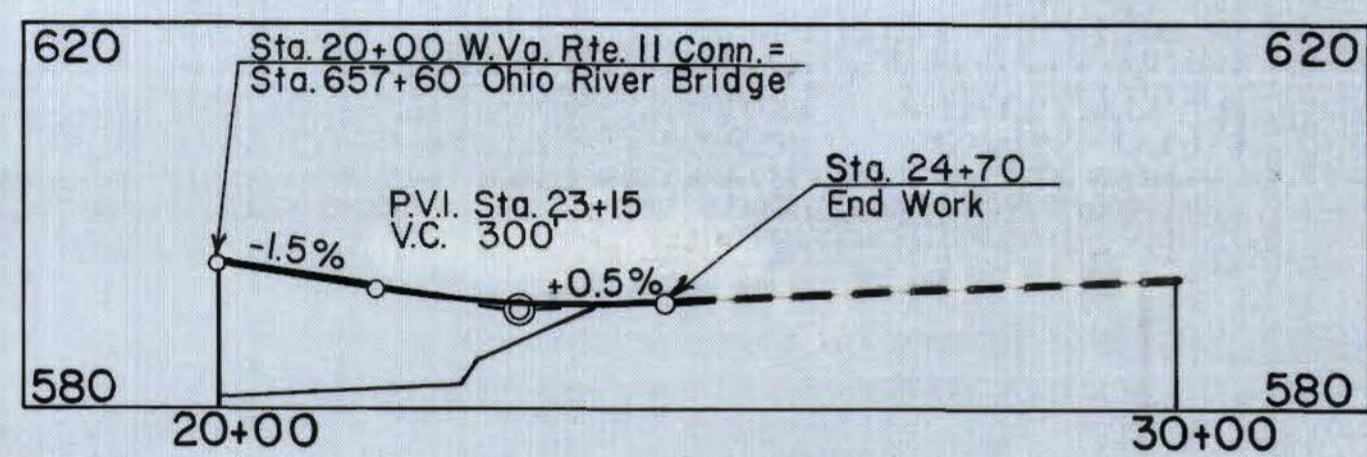
W. Va. - Interchange W Reloc. Rte. 56

Ohio - At Grade Connection W Rte. 338

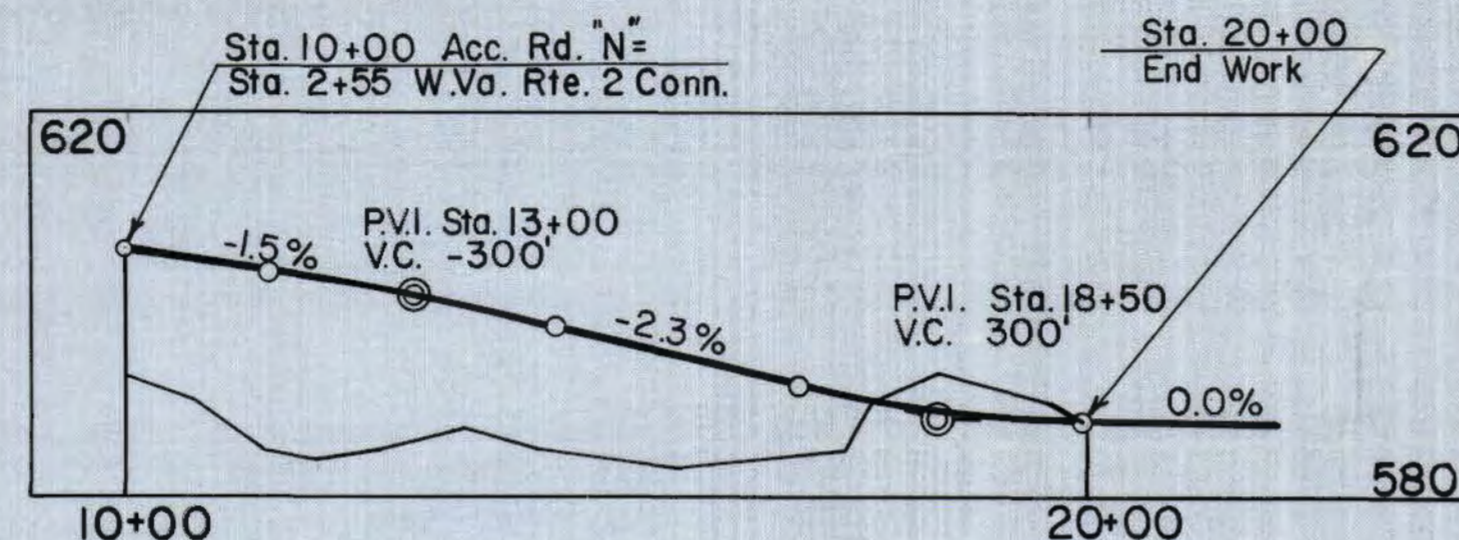




GRADE CHANGE OHIO ROUTE 338

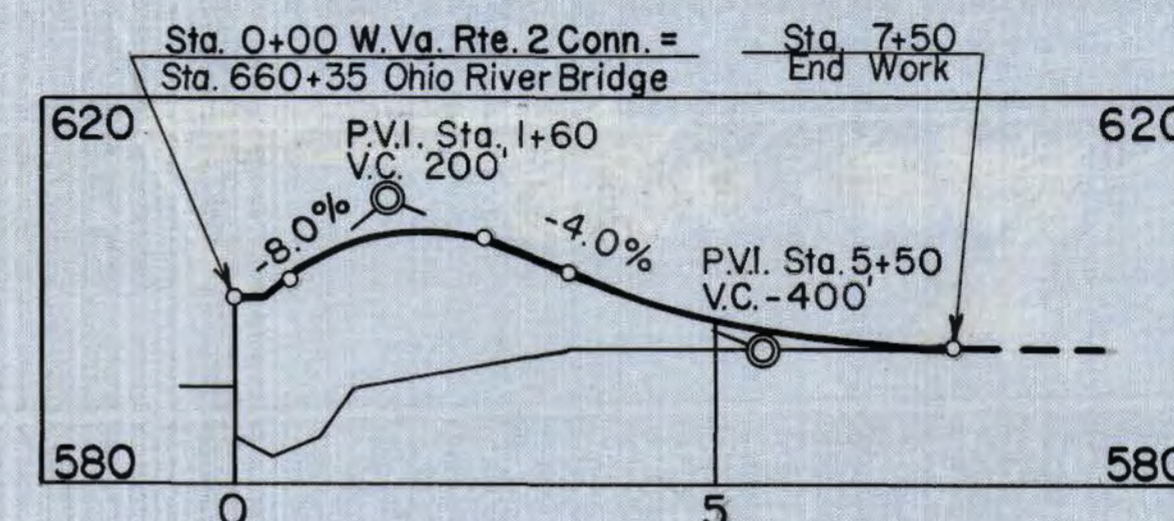


CONNECTION TO W. VA. ROUTE II



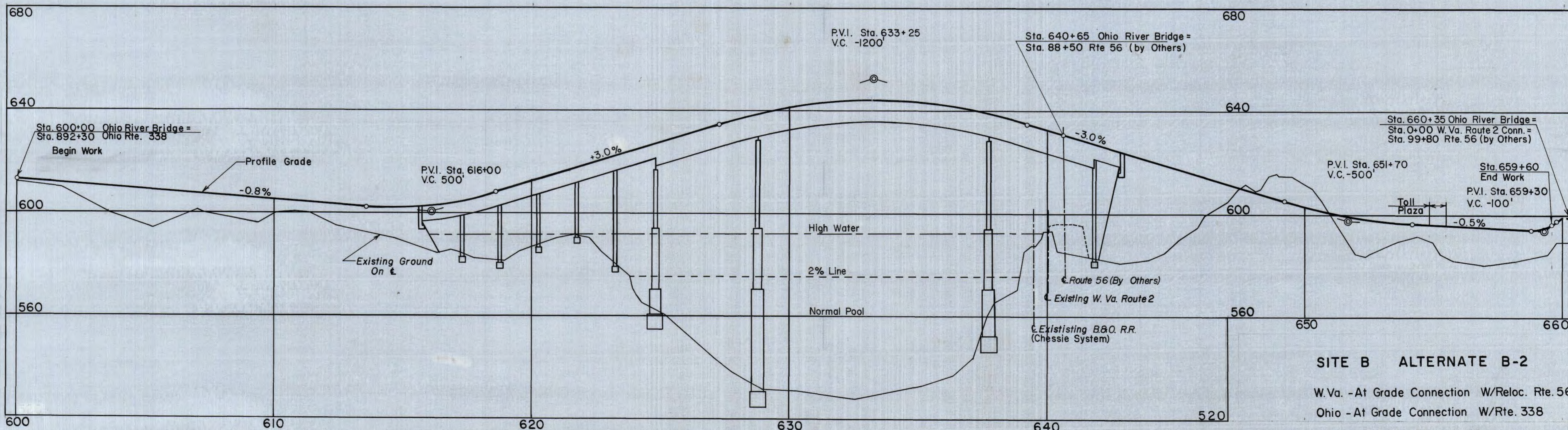
ACCESS ROAD "N"

(BY OTHERS)



W. VA. ROUTE 2 CONNECTION

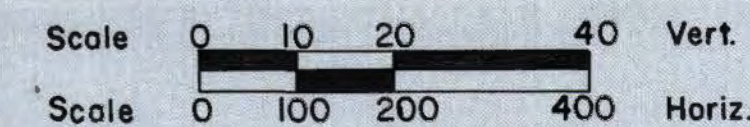
(BY OTHERS)

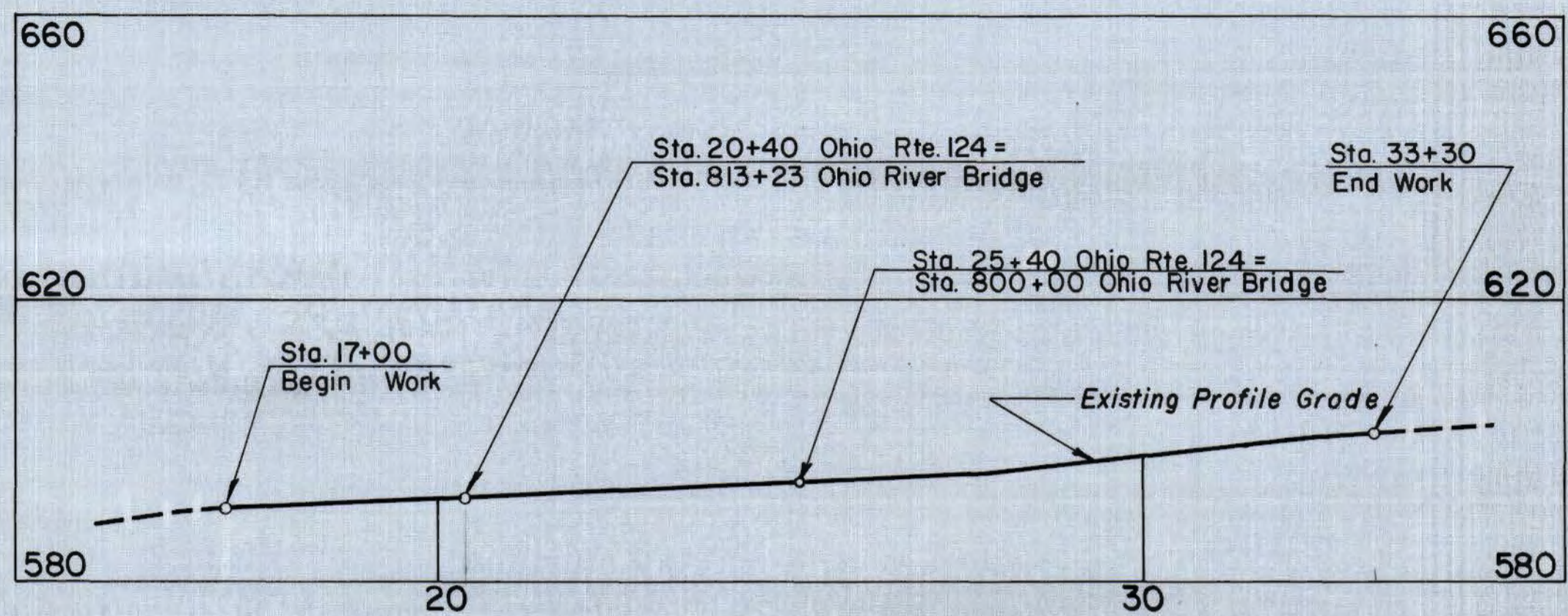


OHIO RIVER BRIDGE

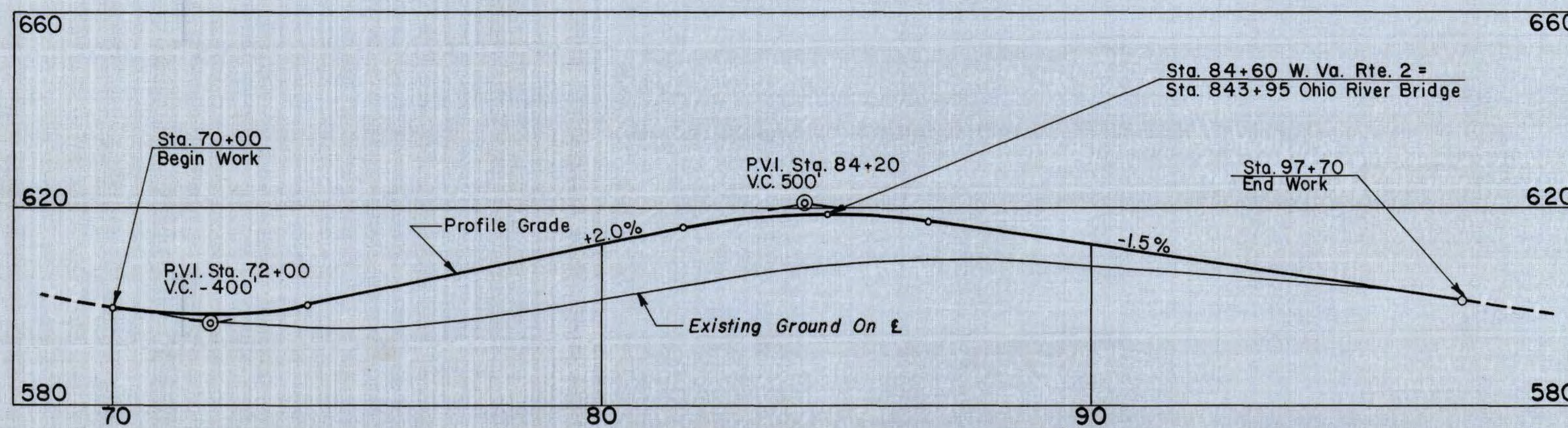
SITE B ALTERNATE B-2

W. Va. - At Grade Connection W/Reloc. Rte. 56
Ohio - At Grade Connection W/Rte. 338

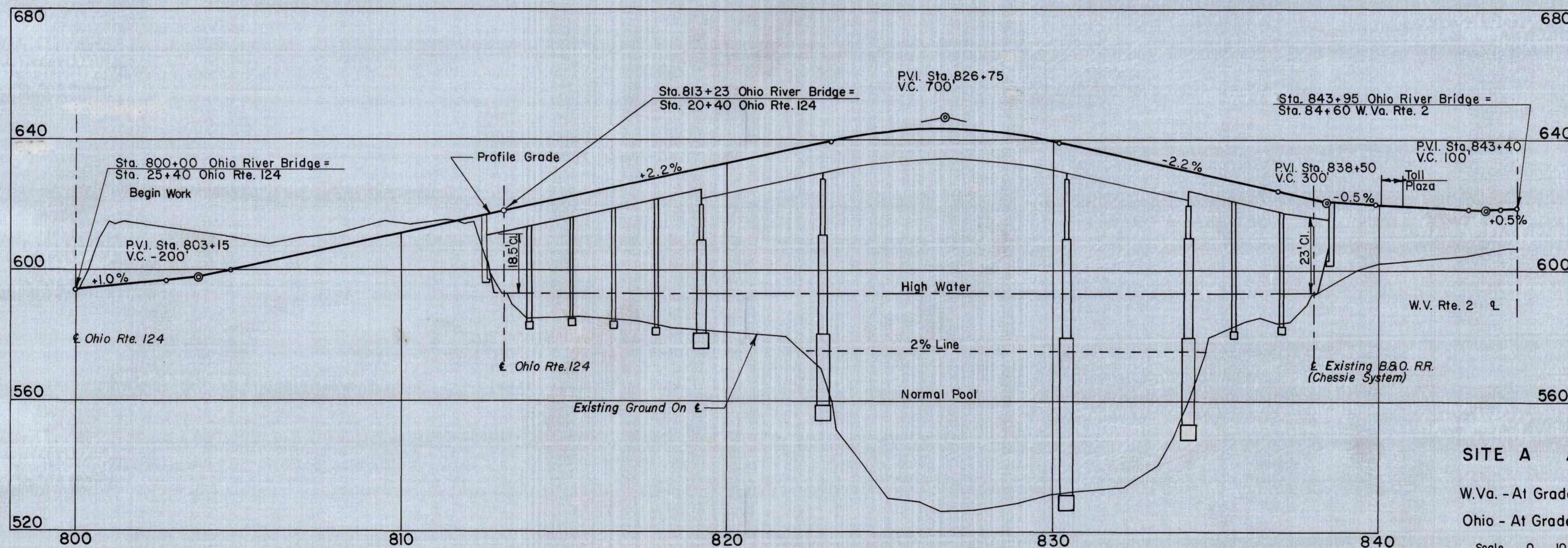




OHIO ROUTE 124 GRADE



GRADE CHANGE W.VA. ROUTE 2



OHIO RIVER BRIDGE

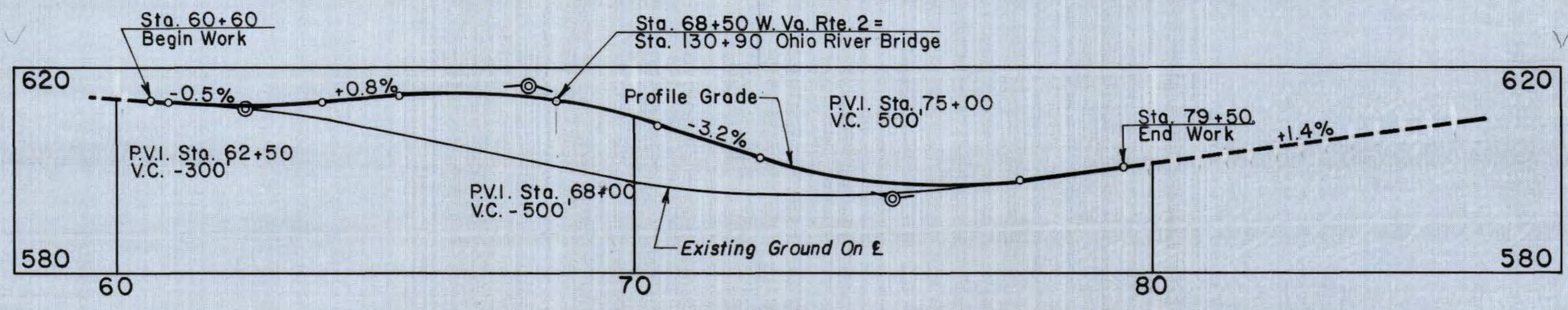
SITE A ALTERNATE A-4

W.Va. - At Grade Connection W/Rte. 2

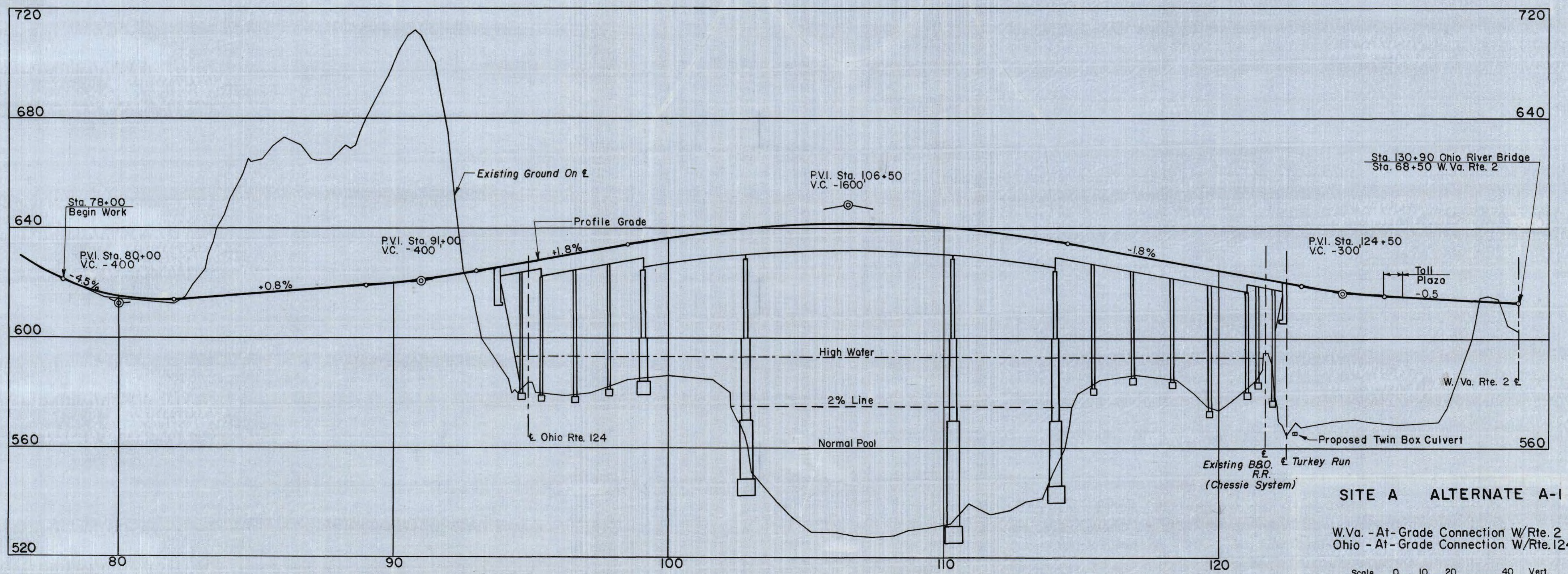
Ohio - At Grade Connection W/Rte. 124

Scale 0 10 20 40 Vert.

Scale 0 100 200 400 Horiz.



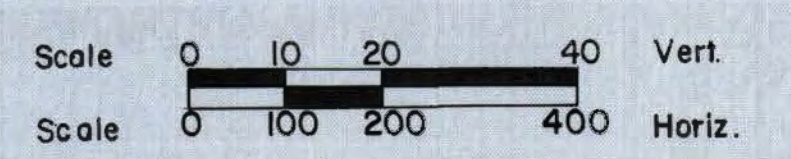
GRADE CHANGE W. VA. ROUTE 2

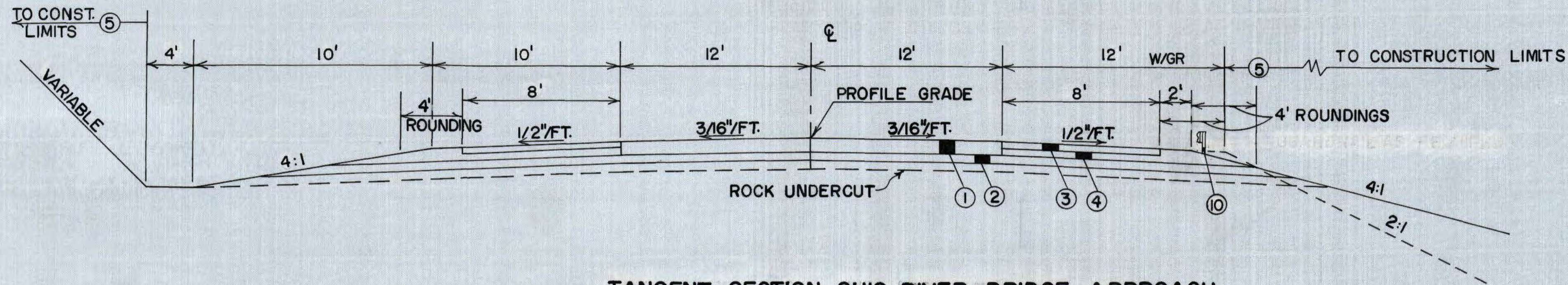


OHIO RIVER BRIDGE

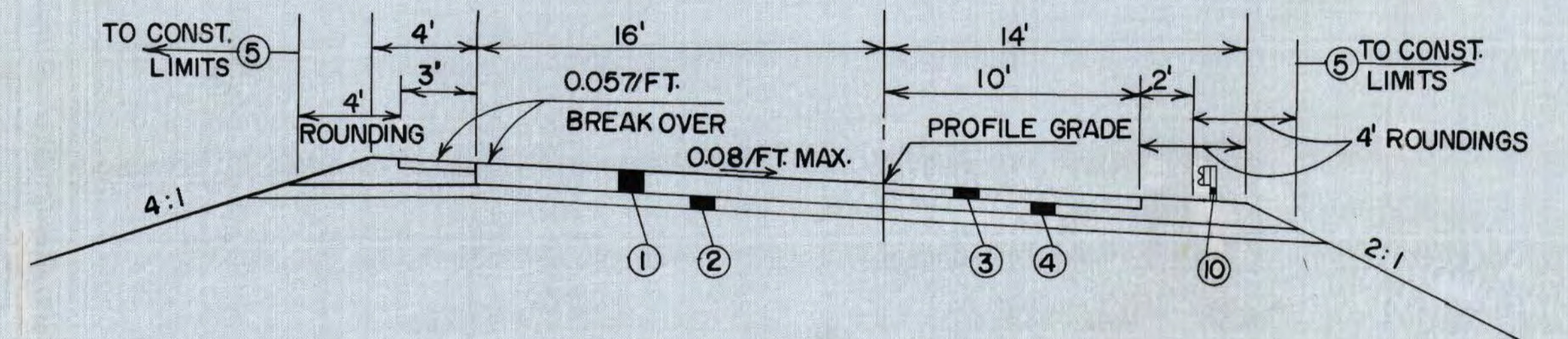
SITE A ALTERNATE A-1

W.Va. - At-Grade Connection W/Rte. 2
Ohio - At-Grade Connection W/Rte. 124

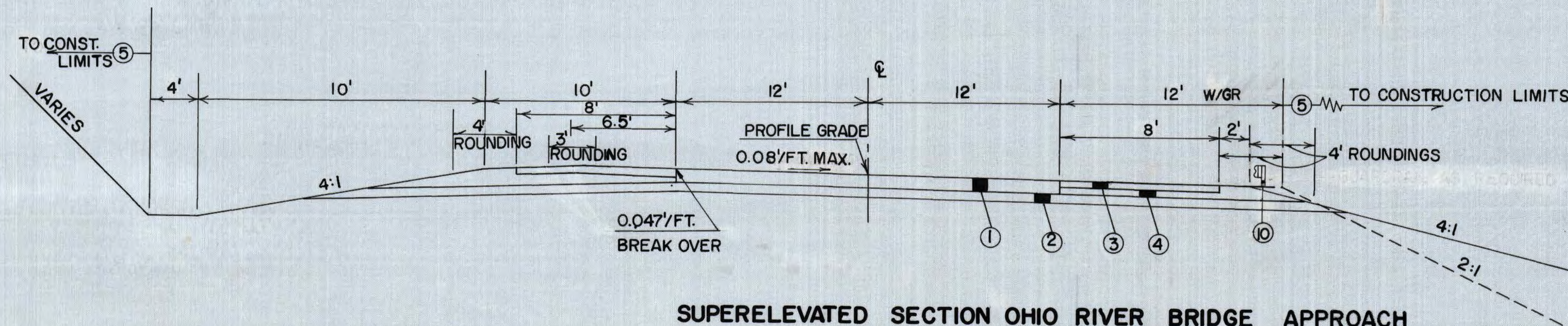




TANGENT SECTION OHIO RIVER BRIDGE APPROACH
(ALL SITES)



RAMP SUPERELEVATED SECTION
(SITES A-1, A-4, B-2)



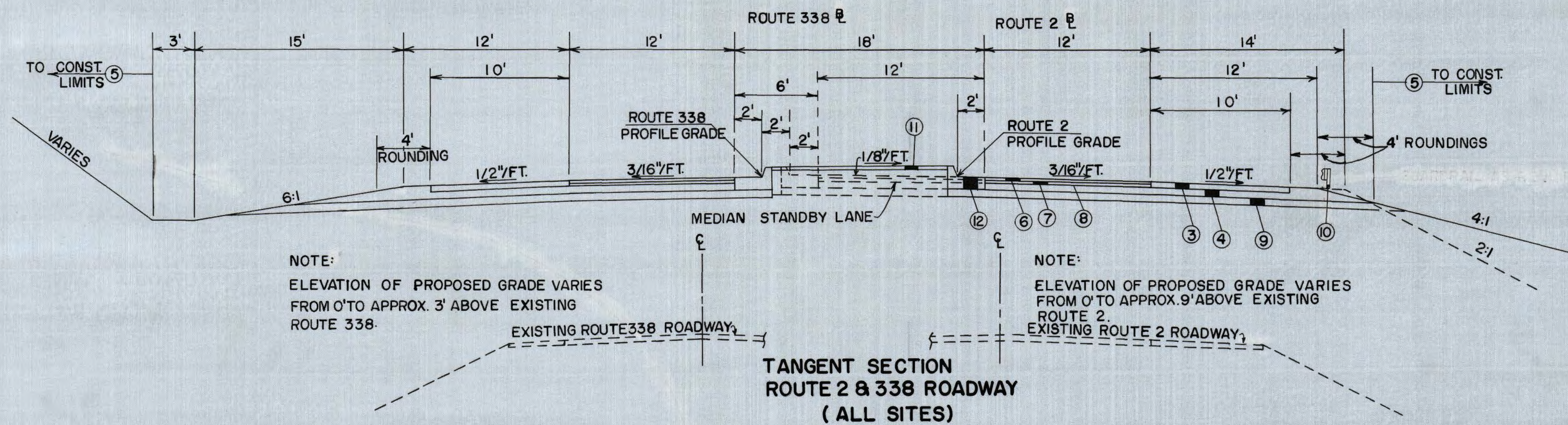
SUPERELEVATED SECTION OHIO RIVER BRIDGE APPROACH
(ALL SITES)

LEGEND

- | | |
|--|--|
| ① 501-1, PORTLAND CEMENT CONCRETE PAVEMENT, S.Y. | ⑦ 401-1, TYPE 2, HOT LAID BITUMINOUS CONCRETE BASE COURSE, TON |
| ② 307-2, CLASS 2, AGGREGATE BASE COURSE, C.Y. | ⑧ 409-2, BITUMINOUS MATERIAL, GAL. |
| ③ 403-4, PENETRATION MACADAM COURSE, S.Y. | ⑨ 307-3, CLASS 3, AGGREGATE BASE COURSE, C.Y. |
| ④ 307-1, CLASS 1, AGGREGATE BASE COURSE, C.Y. | ⑩ 607-1, TYPE I, CLASS II, GUARD RAIL, L.F. |
| ⑤ 652-1, 652-3, 652-4, SEEDING & MULCHING, AGRICULTURAL LIMESTONE & FERTILIZER, ACRE | ⑪ 651-1, FURNISHING AND PLACING TOPSOIL, C.Y. |
| ⑥ 401-2, TYPE 1, HOT LAID BITUMINOUS CONCRETE WEARING COURSE, TON | ⑫ 610-3, COMBINATION CURB AND GUTTER, L.F. |

NOTE:
THESE TYPICAL SECTIONS ARE FOR
ESTIMATING PURPOSES ONLY.

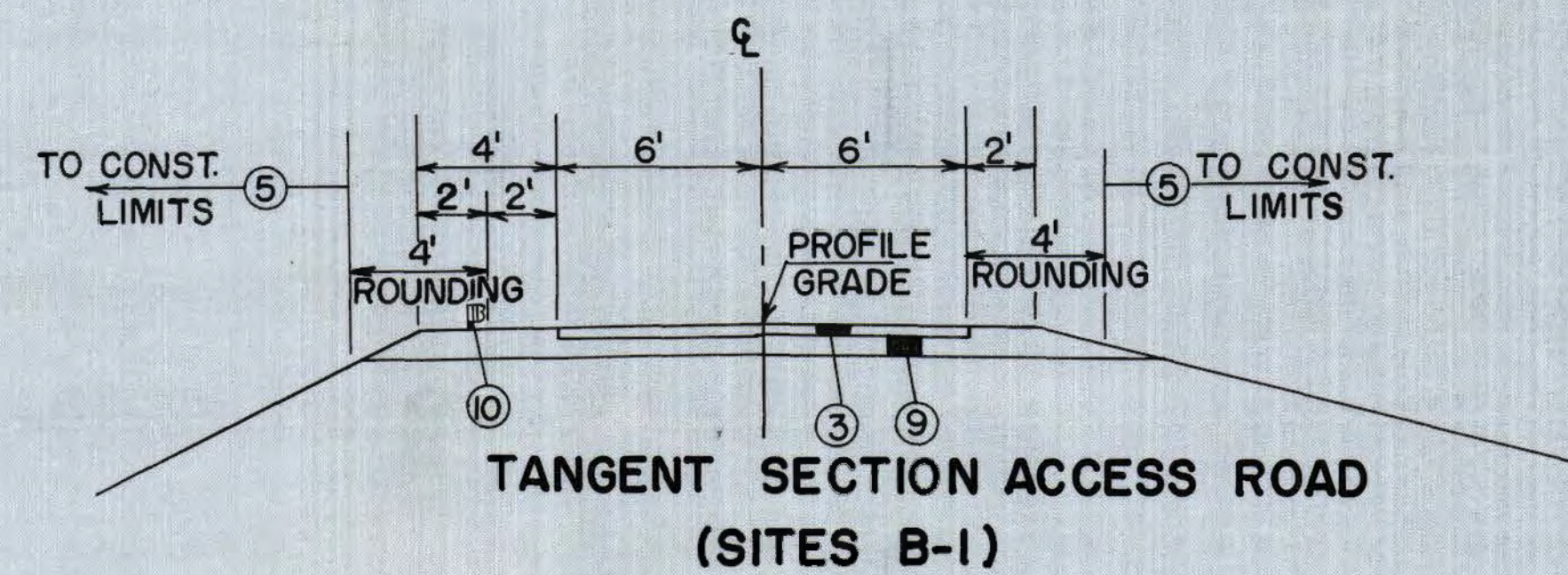
TYPICAL SECTION



NOTE:
ELEVATION OF PROPOSED GRADE VARIES FROM 0' TO APPROX. 3' ABOVE EXISTING ROUTE 338.

NOTE:
ELEVATION OF PROPOSED GRADE VARIES FROM 0' TO APPROX. 9' ABOVE EXISTING ROUTE 2.

TANGENT SECTION ROUTE 2 & 338 ROADWAY (ALL SITES)



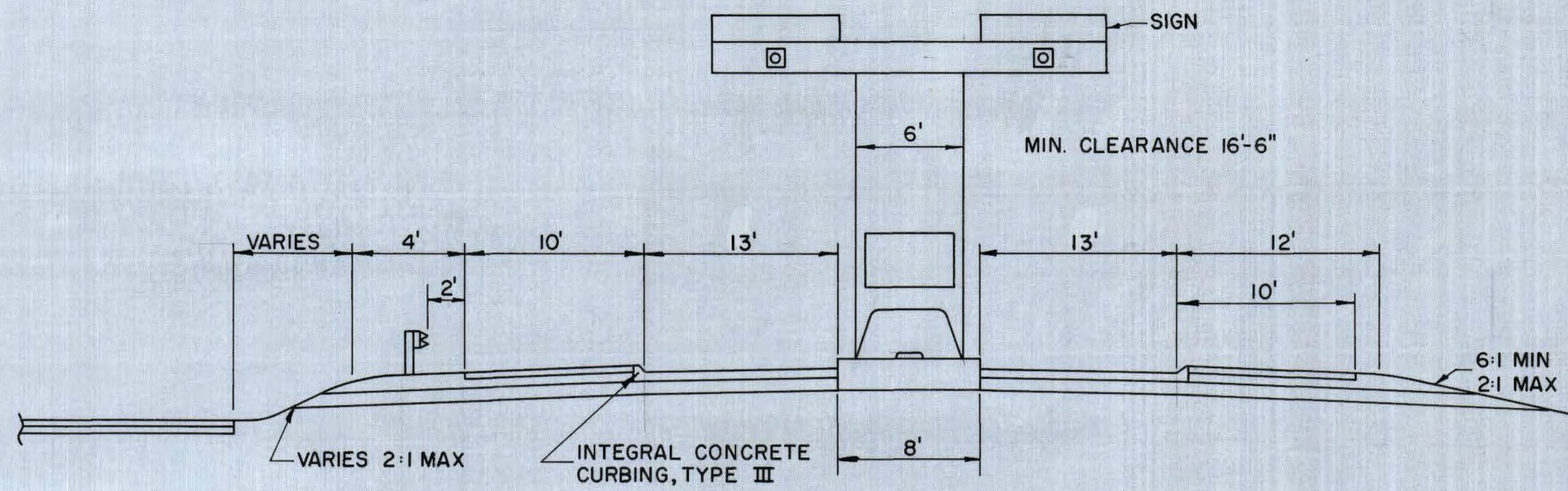
TANGENT SECTION ACCESS ROAD (SITES B-1)

LEGEND

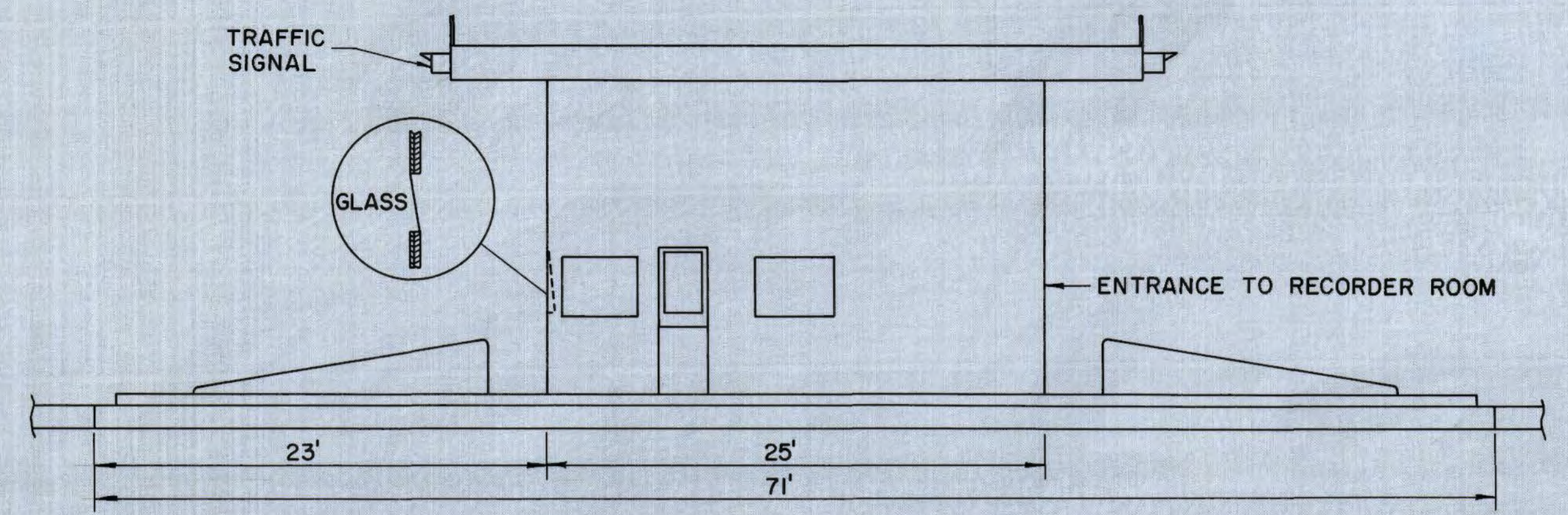
- | | |
|---|--|
| ① 501-1, PORTLAND CEMENT CONCRETE PAVEMENT, S.Y. | ⑦ 401-1, TYPE 2, HOT LAID BITUMINOUS CONCRETE BASE COURSE, TON |
| ② 307-2, CLASS 2, AGGREGATE BASE COURSE, C.Y. | ⑧ 409-2, BITUMINOUS MATERIAL, GAL. |
| ③ 403-4, PENETRATION MACADAM COURSE, S.Y. | ⑨ 307-3, CLASS 3, AGGREGATE BASE COURSE, C.Y. |
| ④ 307-1, CLASS 1, AGGREGATE BASE COURSE, C.Y. | ⑩ 607-1, TYPE I, CLASS II, GUARD RAIL, L.F. |
| ⑤ 652-1, 652-2, 652-3, 652-4, SEEDING AND MULCHING, AGRICULTURAL LIMESTONE AND FERTILIZER, ACRE | ⑪ 651-1, FURNISHING AND PLACING TOPSOIL, C.Y. |
| ⑥ 401-2, TYPE I, HOT LAID BITUMINOUS CONCRETE WEARING COURSE, TON | ⑫ 610-3, COMBINATION CURB AND GUTTER, L.F. |

NOTE:
THESE TYPICAL SECTIONS ARE FOR ESTIMATING PURPOSES ONLY.

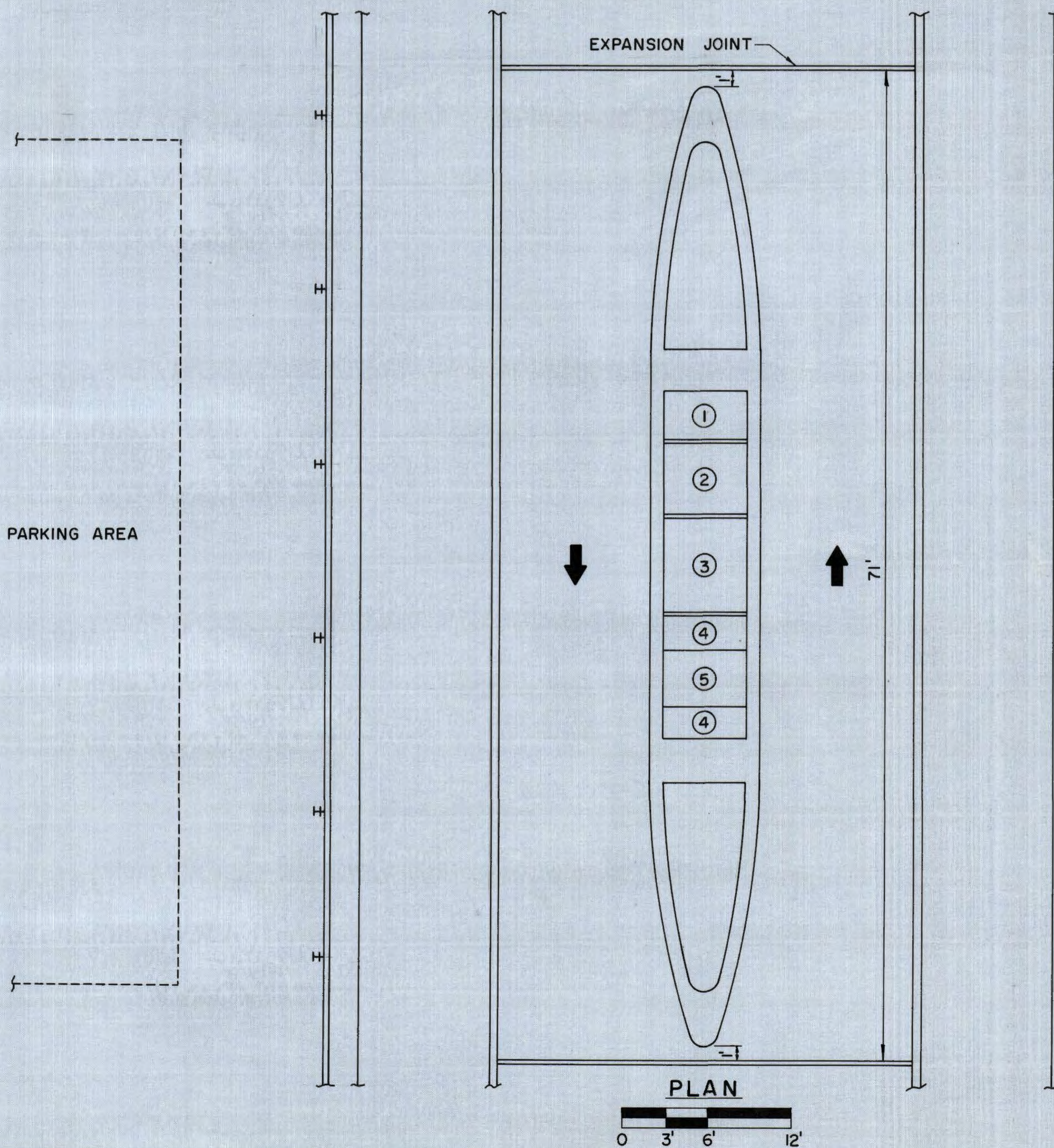
TYPICAL SECTION



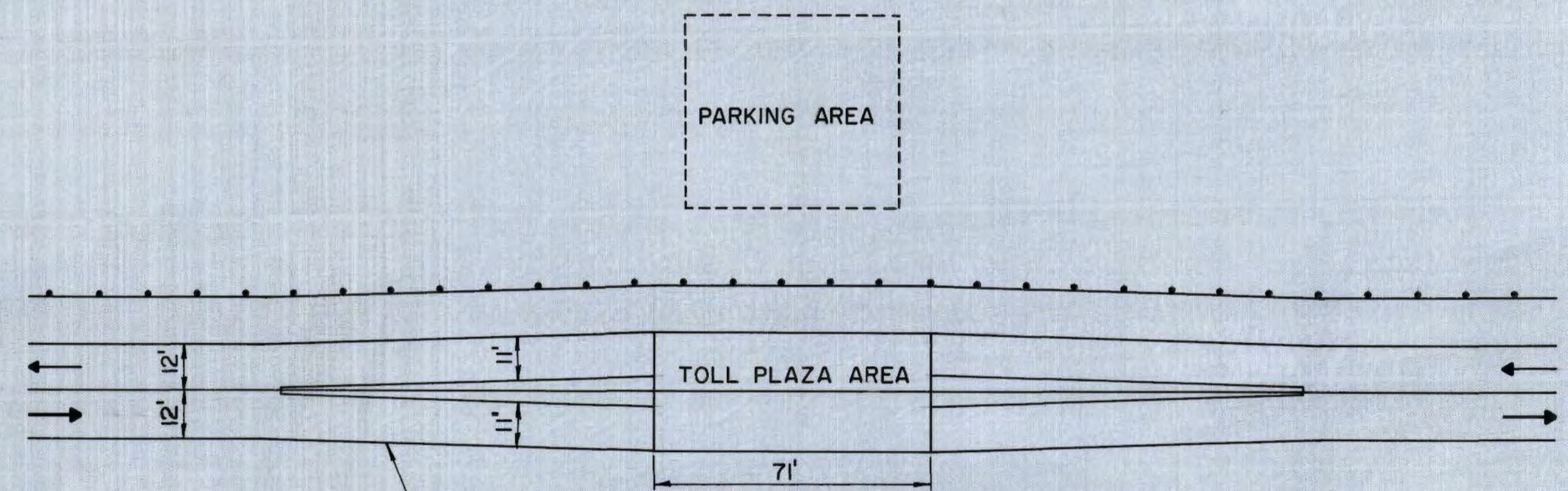
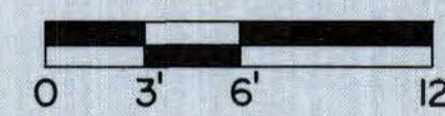
ELEVATION



RIGHT ELEVATION

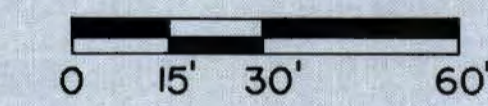


PLAN



TOLL PLAZA APPROACHES

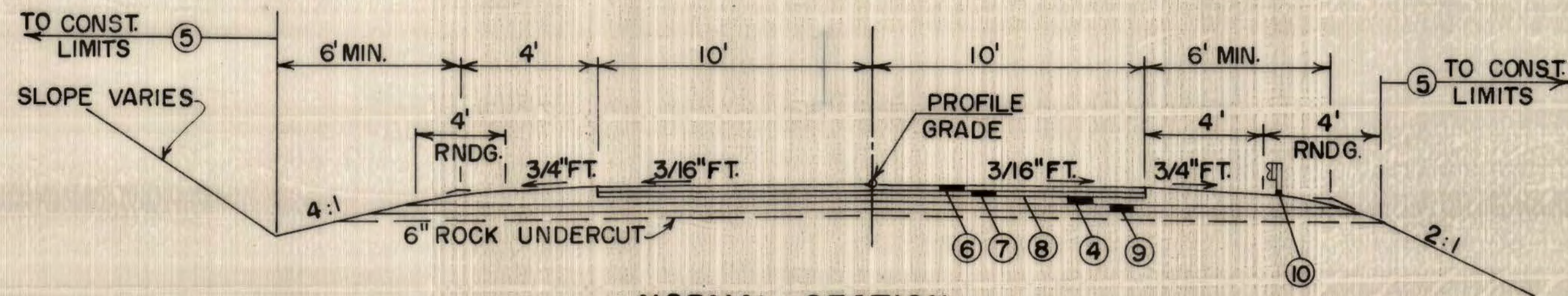
- ① RECORDER ROOM
- ② REST ROOM
- ③ OFFICE
- ④ COUNTER
- ④ MANUAL TOLL COLLECTION AREA



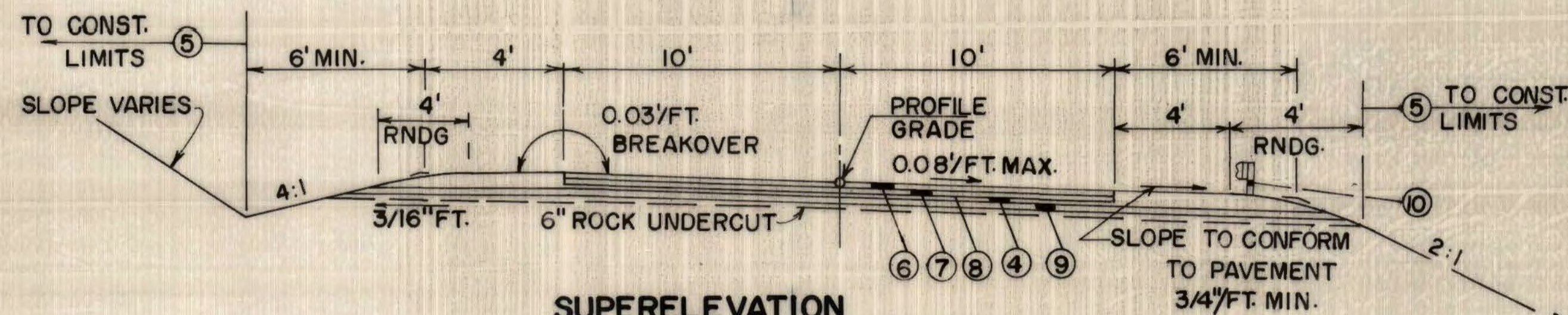
NOTE:
FINAL DETERMINATION FOR ACTUAL DESIGN FEATURES
AND NUMBER OF COLLECTION BOOTHS WILL BE DETERMINED
IN FINAL DESIGN.

TOLL COLLECTION FACILITIES

MICHAEL BAKER, JR., INC. CONSULTING ENGINEERS



**NORMAL SECTION
ACCESS ROAD
(SITES B-2, B-3 & C-2)**



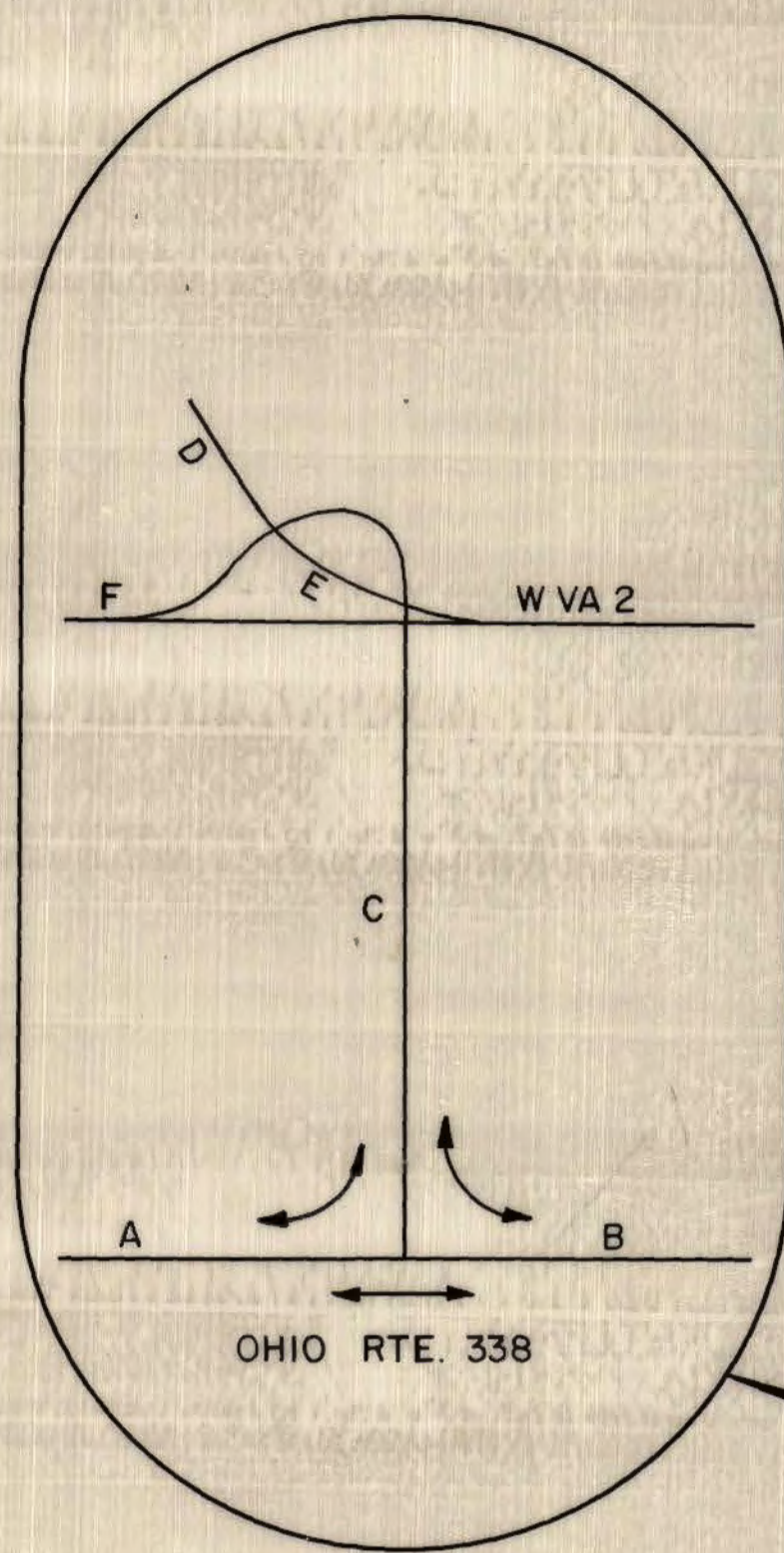
**SUPERELEVATION
ACCESS ROAD
(SITES B-2, B-3 & C-2)**

LEGEND

- | | |
|--|--|
| ① 501-1, PORTLAND CEMENT CONCRETE PAVEMENT, S.Y. | ⑦ 401-1, TYPE 2, HOT LAID BITUMINOUS CONCRETE BASE COURSE, TON |
| ② 307-2, CLASS 2, AGGREGATE BASE COURSE, C.Y. | ⑧ 409-2, BITUMINOUS MATERIAL, GAL. |
| ③ 403-4, PENETRATION MACADAM COURSE, S.Y. | ⑨ 307-3, CLASS 3, AGGREGATE BASE COURSE, C.Y. |
| ④ 307-1, CLASS 1, AGGREGATE BASE COURSE, C.Y. | ⑩ 607-1, TYPE I, CLASS II, GUARD RAIL, L.F. |
| ⑤ 652-1, 652-3, 652-4, SEEDING & MULCHING, AGRICULTURAL LIMESTONE & FERTILIZER, ACRE | ⑪ 651-1, FURNISHING AND PLACING TOPSOIL, C.Y. |
| ⑥ 401-2, TYPE I, HOT LAID BITUMINOUS CONCRETE WEARING COURSE, TON | ⑫ 610-3, COMBINATION CURB AND GUTTER, L.F. |

NOTE:
THESE TYPICAL SECTIONS ARE FOR
ESTIMATING PURPOSES ONLY.

TYPICAL SECTION

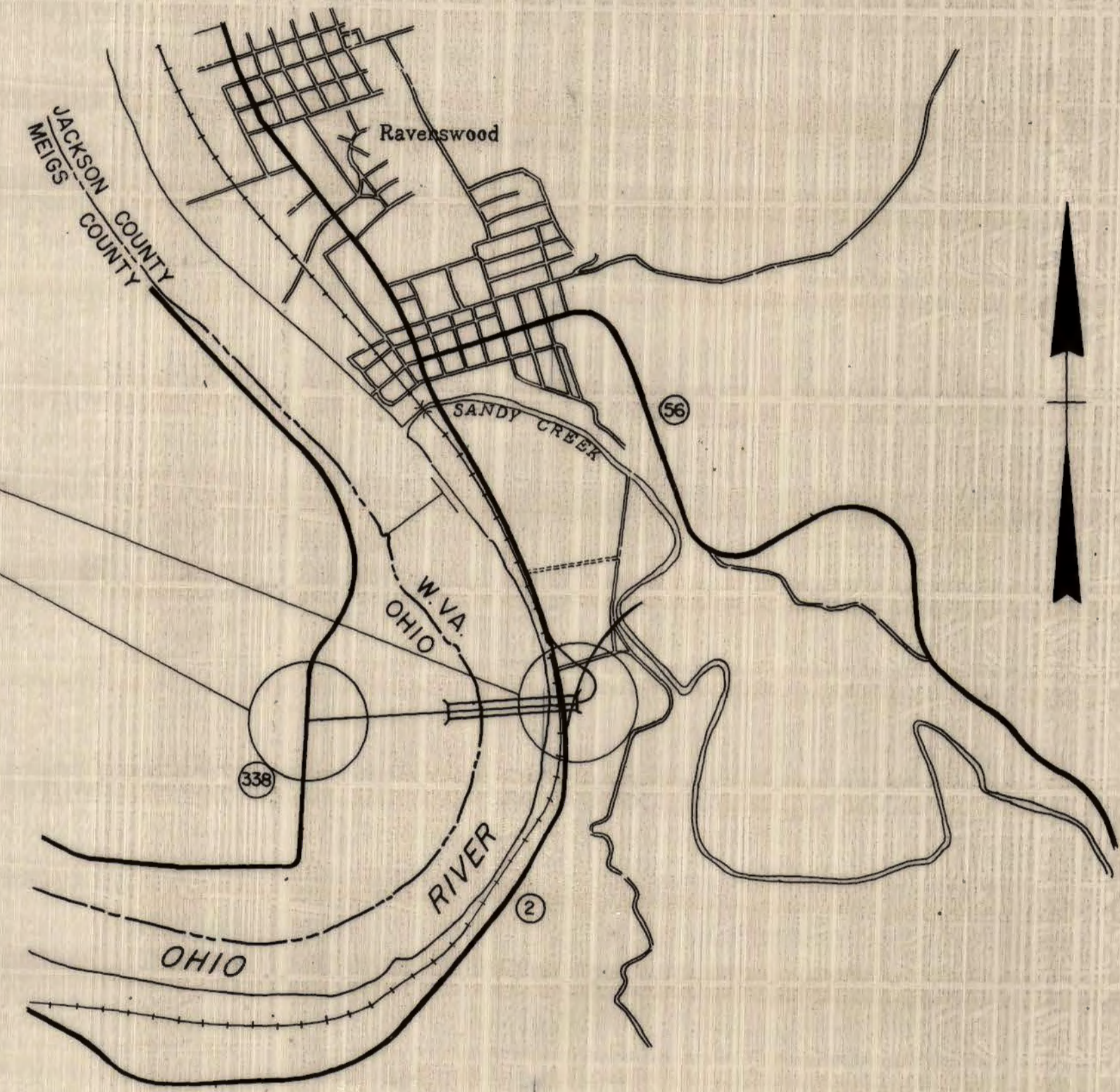


1979

From	To	ADT	DHV
A	B	400	52
A	C	150	19
B	A	400	52
B	C	550	71
C	A	150	20
C	B	550	72
C	D	500	65
C	E	25	2
D	C	500	65
D	E	1075	135
E	C	25	3
E	D	1075	135
C	F	175	22
D	F	450	50
E	F	2800	362
F	C	175	23
F	D	450	50
F	E	2800	363

1999

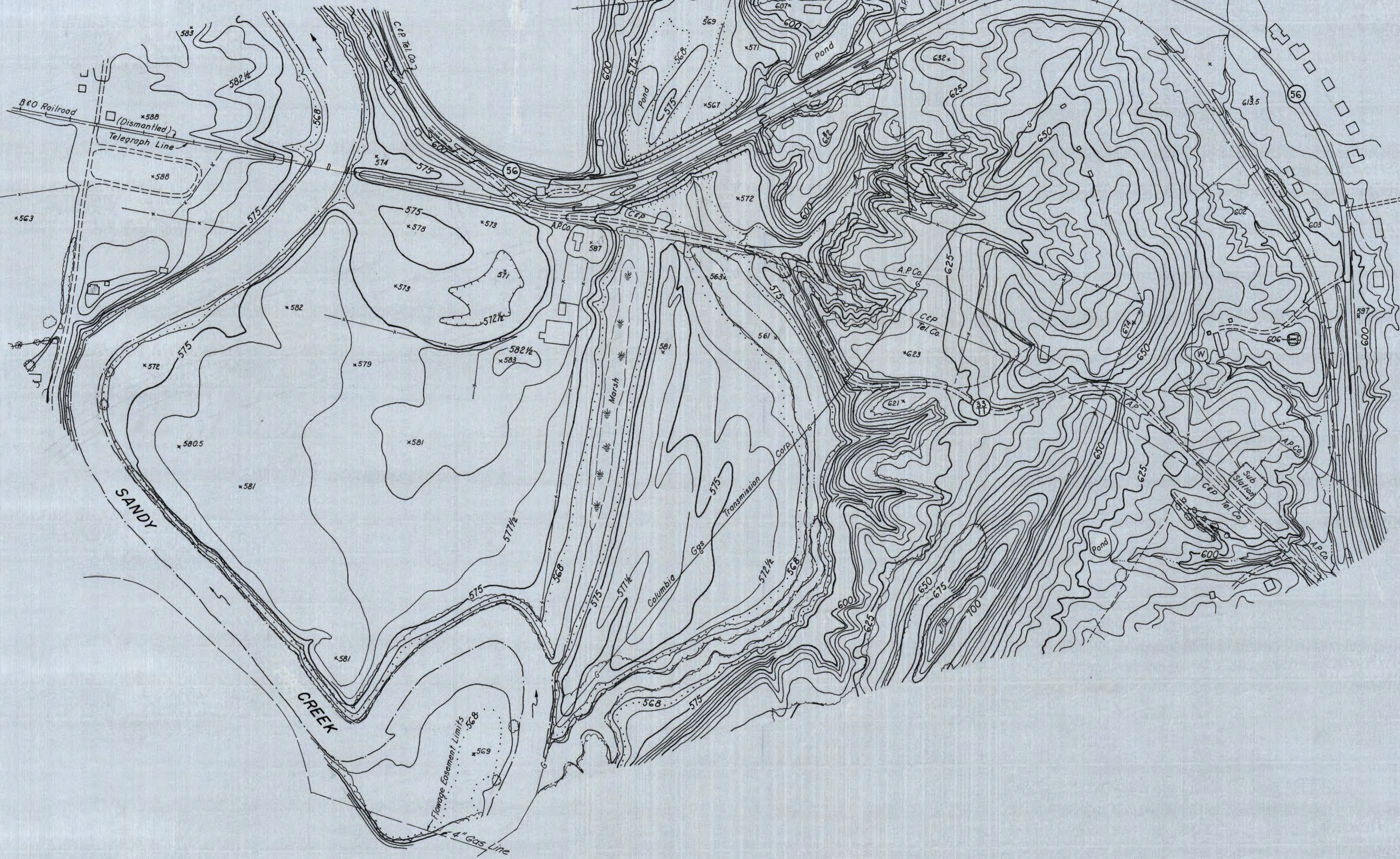
From	To	ADT	DHV
A	B	800	104
A	C	400	51
B	A	800	104
B	C	1250	161
C	A	400	51
C	B	1250	161
C	D	1300	169
C	E	50	6
D	C	1300	169
D	E	1600	208
E	C	50	7
E	D	1600	208
C	F	300	41
D	F	950	123
E	F	4750	635
F	C	300	42
F	D	950	123
F	E	4750	636

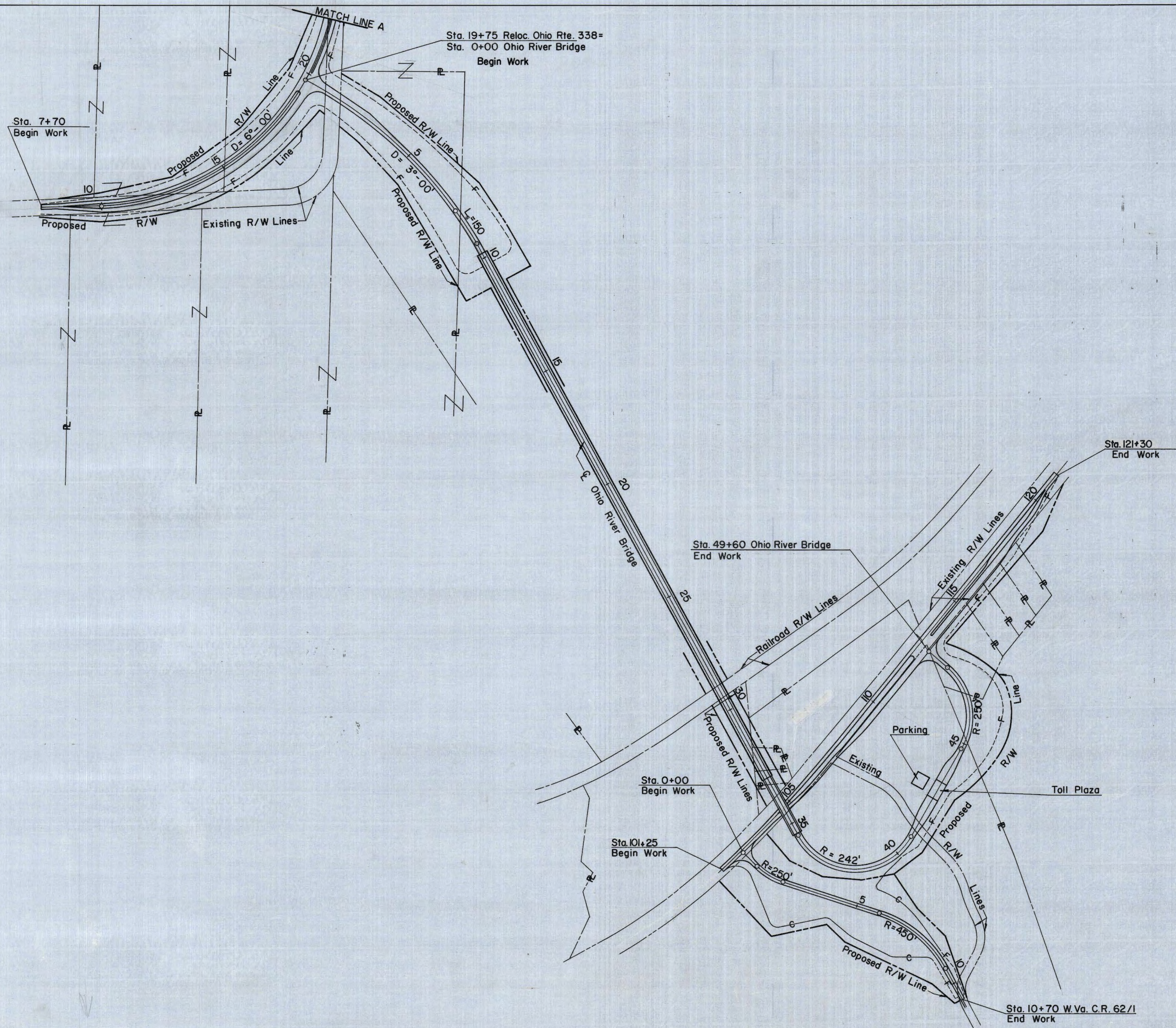


DESIGN DESIGNATION

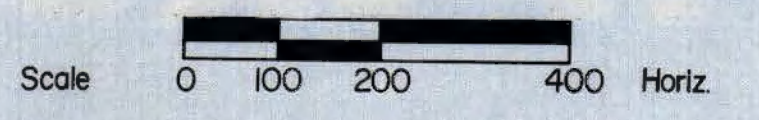
A.D.T. (1999)	=	3300
A.D.T. (1979)	=	1400
D.H.V.	=	212
D.	=	65/35
%T (DHV)	=	2%
V.	=	40 M.P.H.
K.	=	10%

TRAFFIC SKETCH MAP





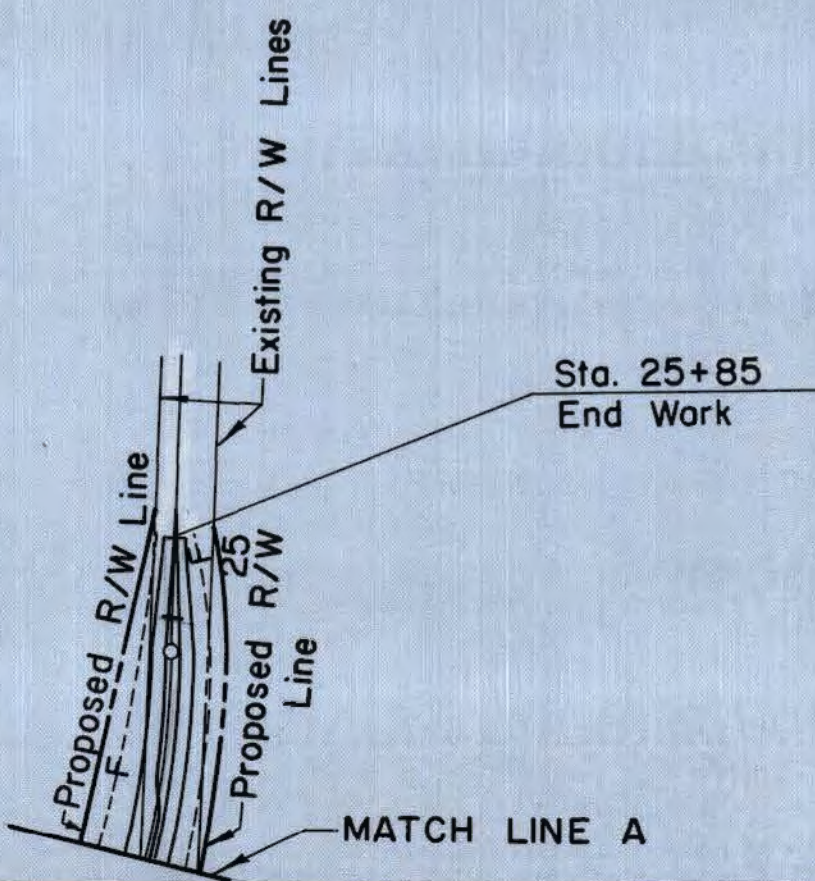
SITE C ALTERNATE C-2
 W.Va. At Grade Connection W/Rte. 2
 Ohio At Grade Connection W/Rte. 338



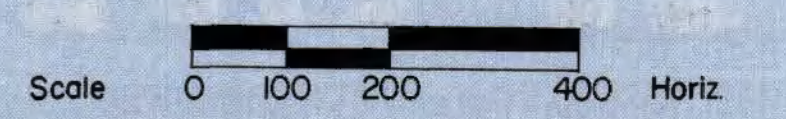


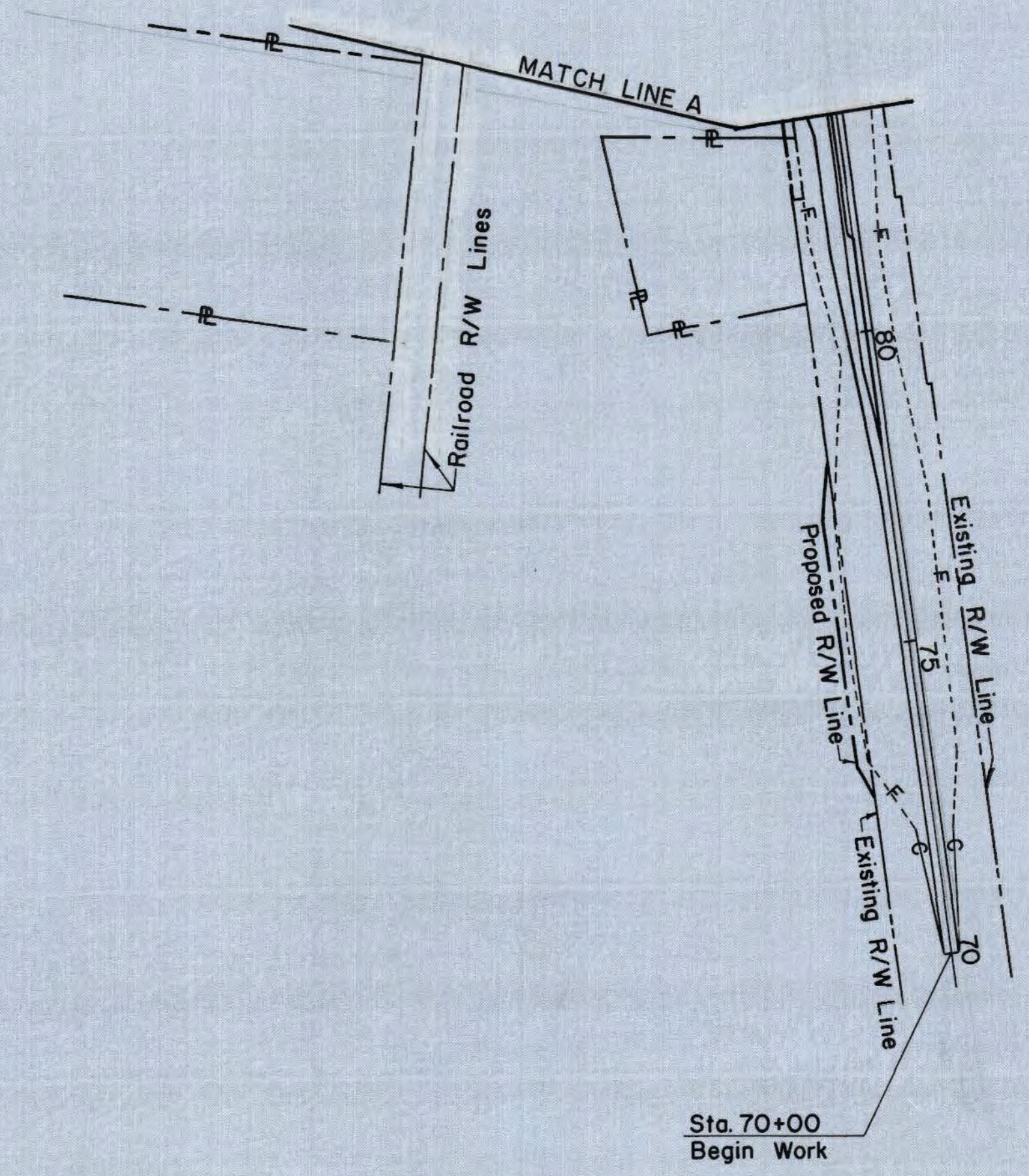
SITE A ALTERNATE A-1
 W.Va. At Grade Connection W/Rte. 2
 Ohio - At Grade Connection W/Rte. 124





SITE C ALTERNATE C-2
W.Va. At Grade Connection W/Rte. 2
Ohio At Grade Connection W/Rte. 338



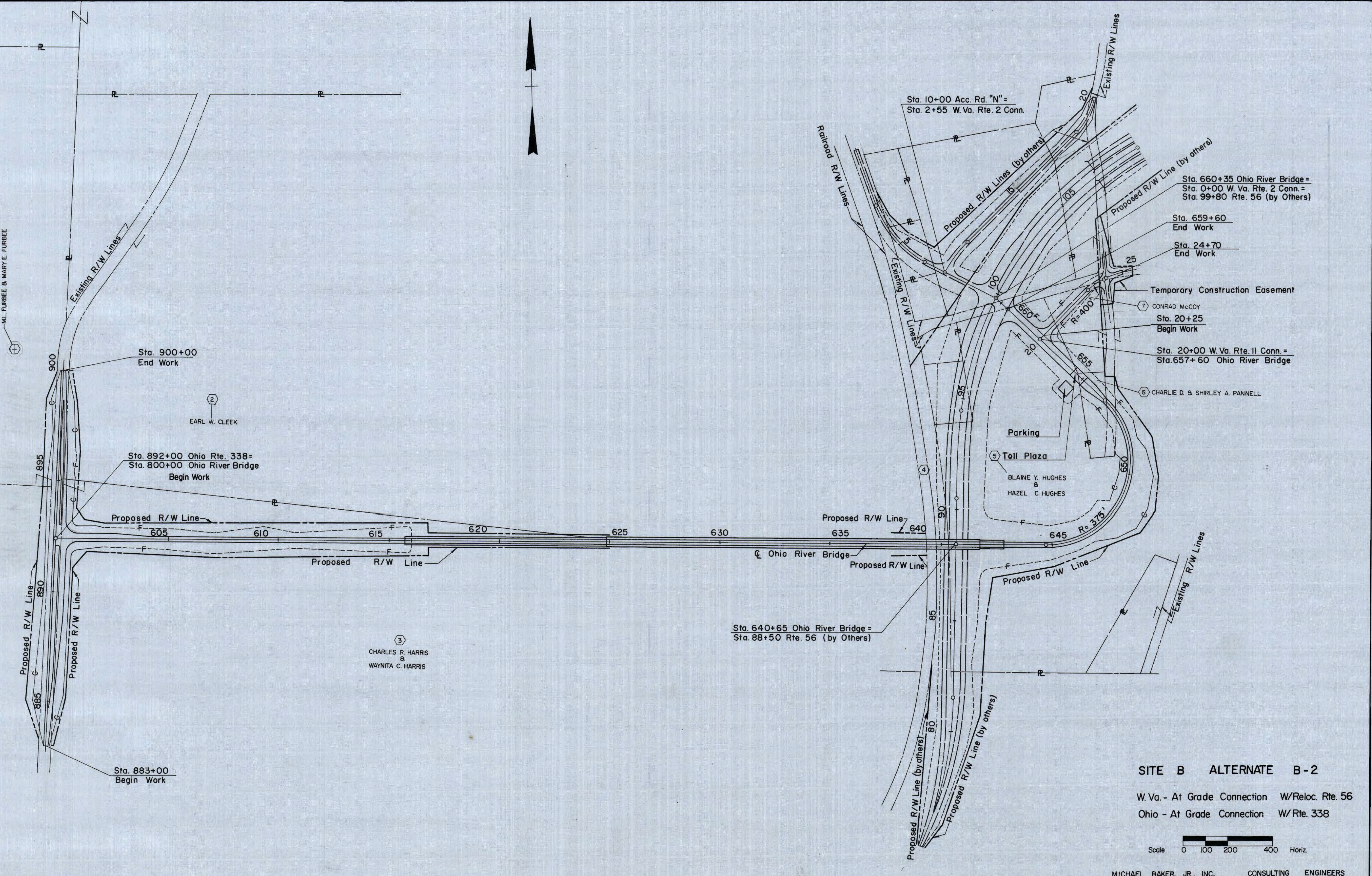


SITE A ALTERNATE A-4
W.Va. At Grade Connection W/Rte.2
Ohio At Grade Connection W/Rte.124





ML. FURBEE & MARY E. FURBEE

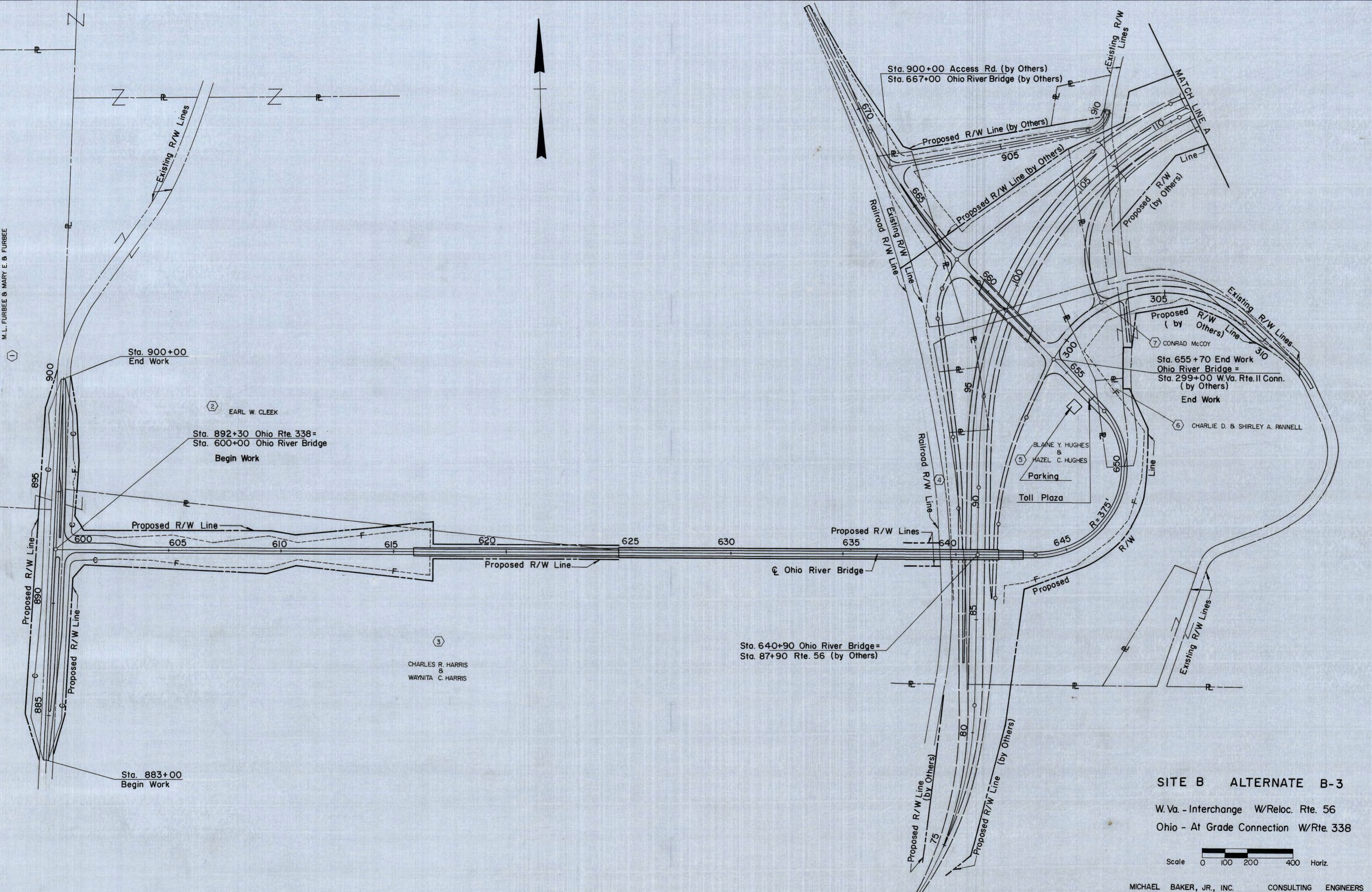


SITE B ALTERNATE B-2

W. Va. - At Grade Connection W/Reloc. Rte. 56
Ohio - At Grade Connection W/Rte. 338



M.L. FURBEE & MARY E. & FURBEE



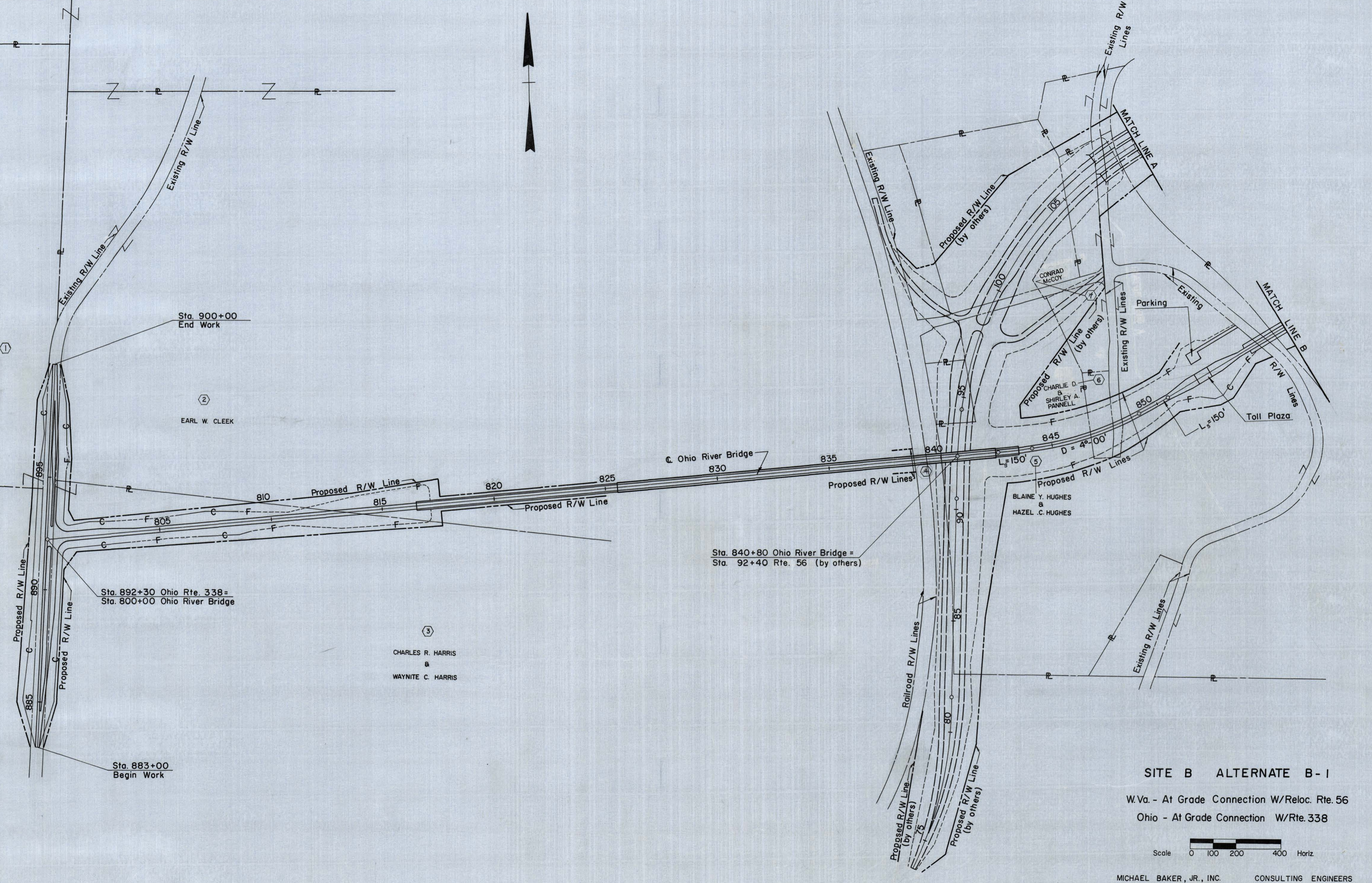
SITE B ALTERNATE B-3

W.Va. - Interchange W/Reloc. Rte. 56
Ohio - At Grade Connection W/Rte. 338



MICHAEL BAKER, JR., INC. CONSULTING ENGINEERS

M.L. FURBEE & MARY E. FURBEE



Sta. 900+00
End Work

EARL W. CLEEK

Ohio River Bridge
830

Sta. 840+80 Ohio River Bridge =
Sta. 92+40 Rte. 56 (by others)

Sta. 892+30 Ohio Rte. 338 =
Sta. 800+00 Ohio River Bridge

CHARLES R. HARRIS
&
WAYNITE C. HARRIS

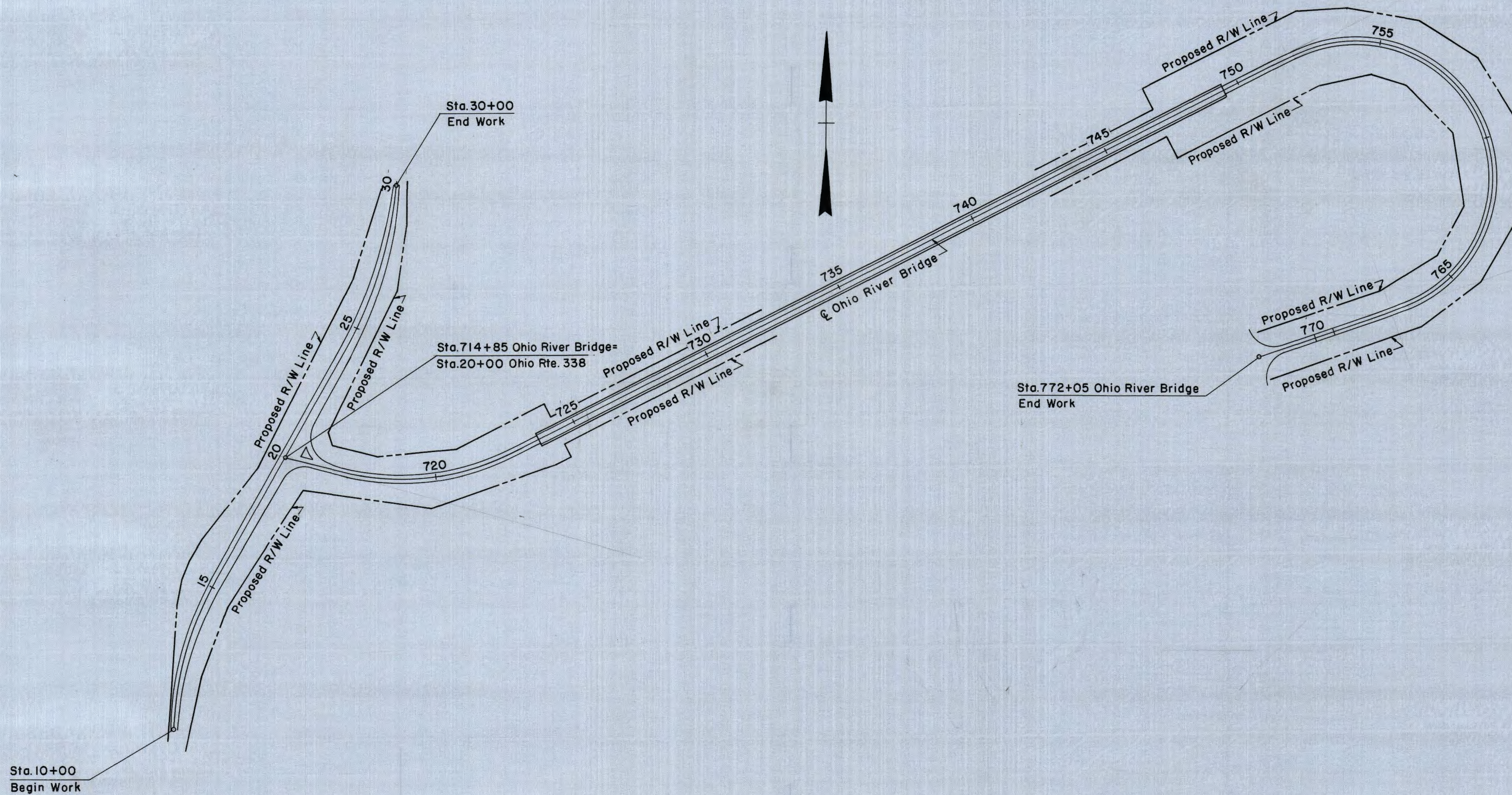
Sta. 883+00
Begin Work

SITE B ALTERNATE B-1

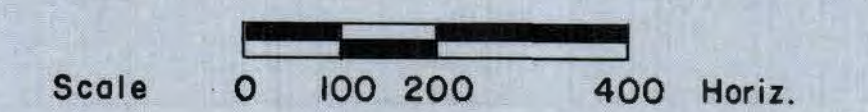
W.Va. - At Grade Connection W/Reloc. Rte. 56

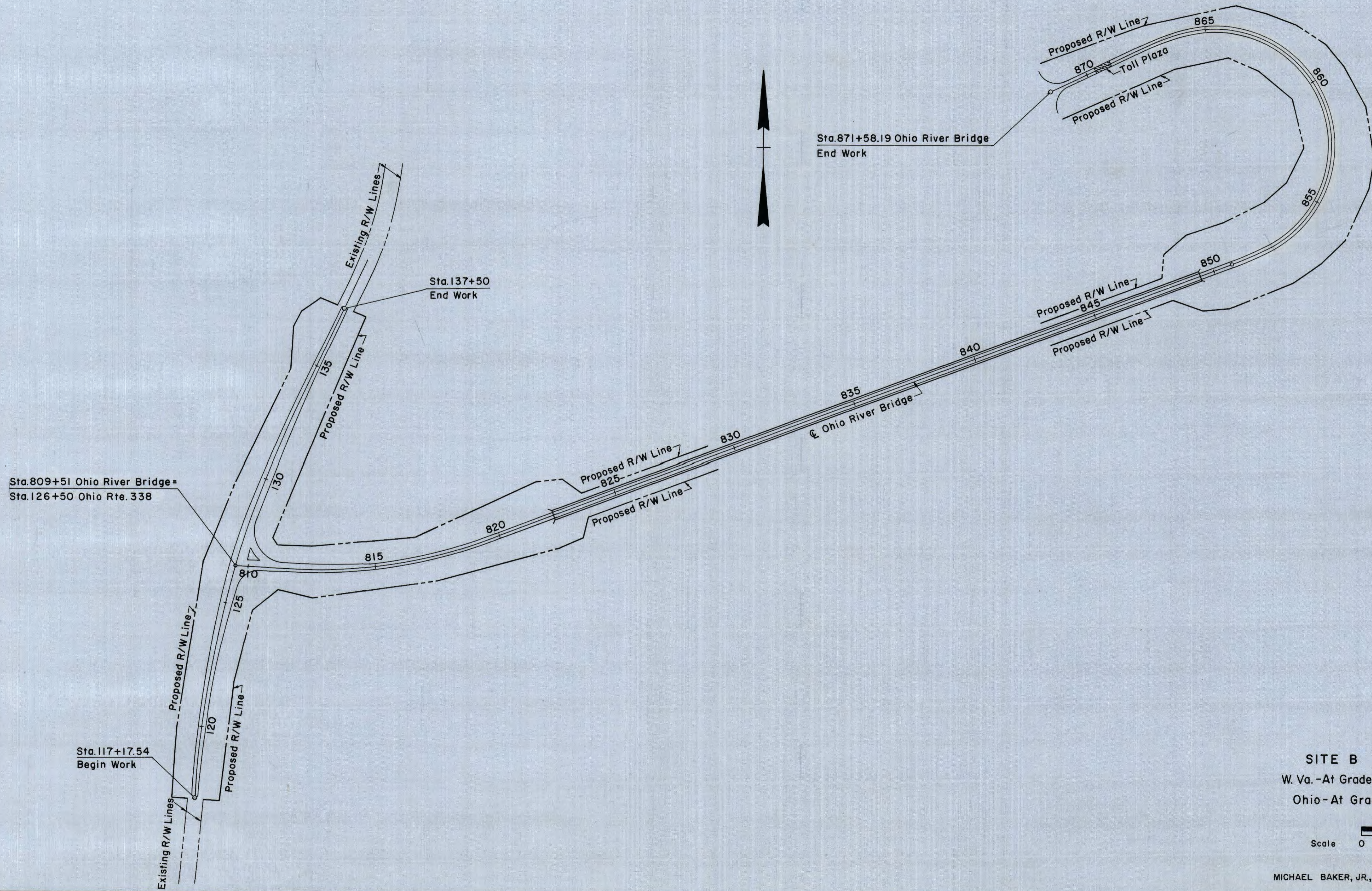
Ohio - At Grade Connection W/Rte. 338



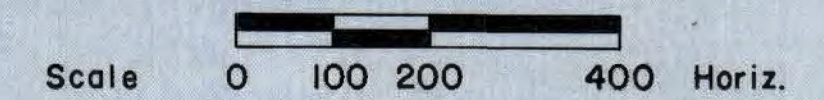


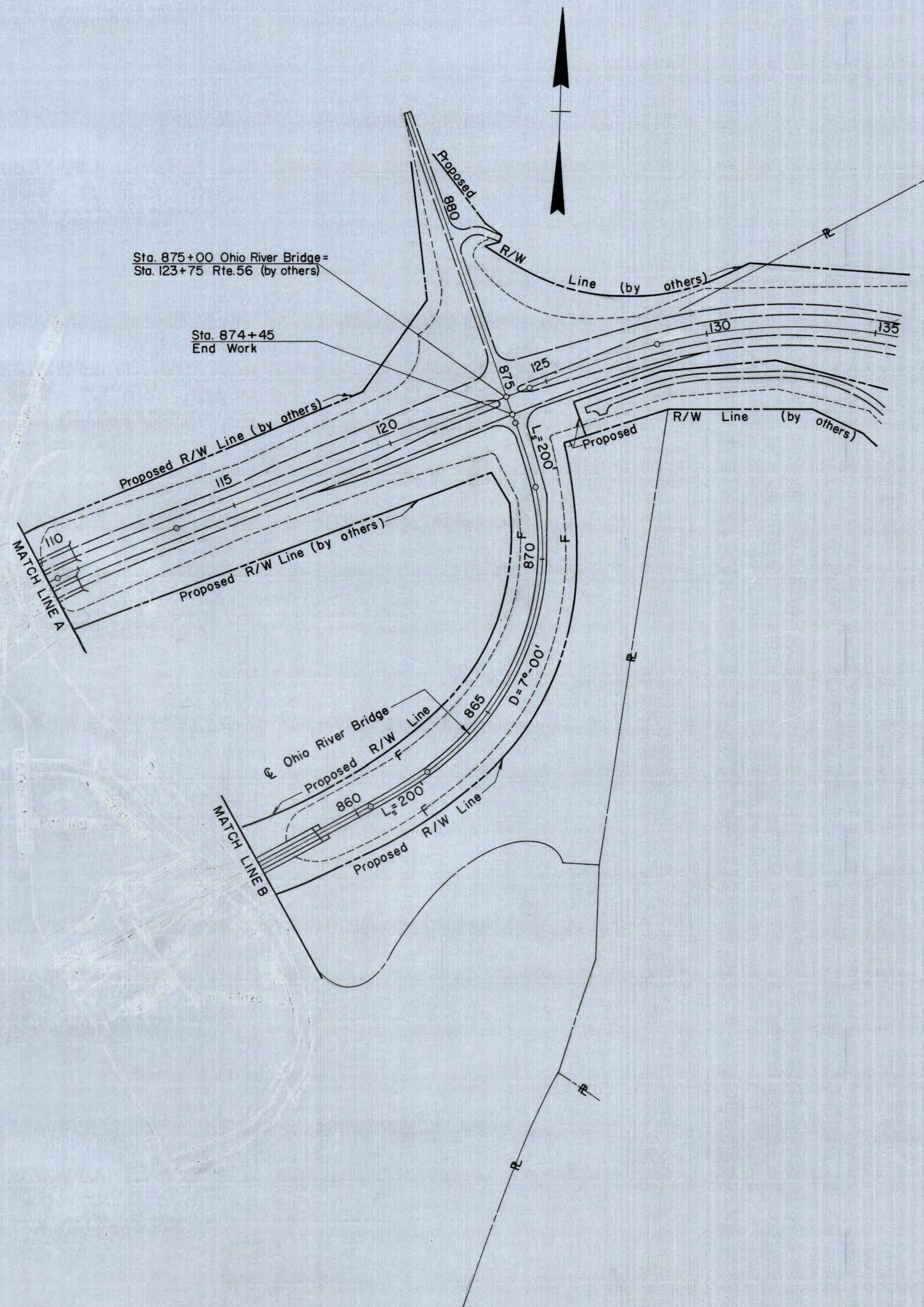
SITE B ALTERNATE B-4
 W. Va. -At Grade Connection W/ Reloc. Rte.2
 Ohio-At Grade Connection W/Rte.338





SITE B ALTERNATE B-5
 W. Va. - At Grade Connection W/ Reloc. Rte. 2
 Ohio - At Grade Connection W/ Rte. 338

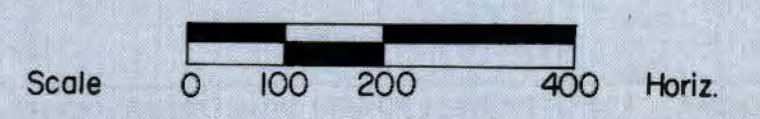


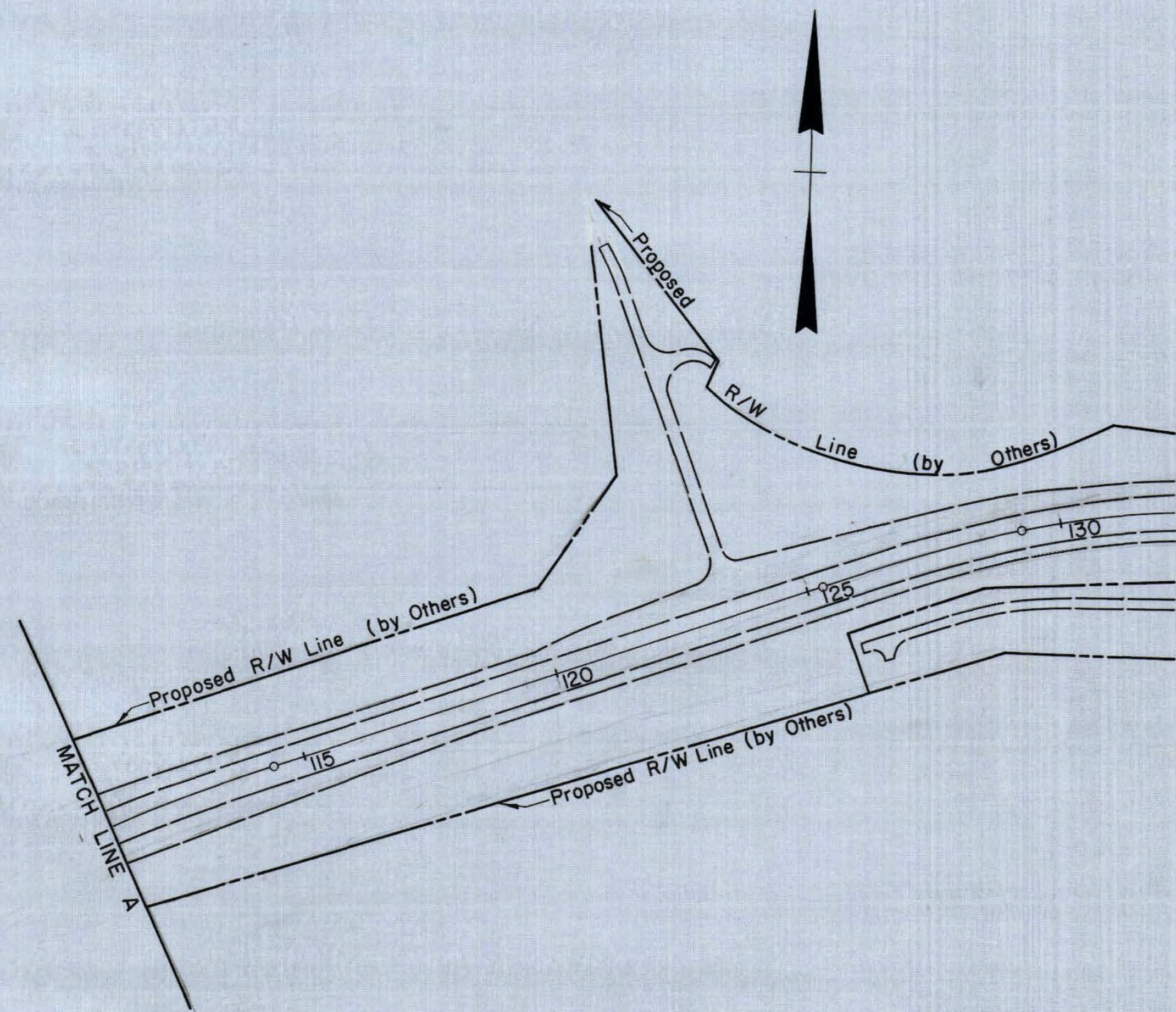


Sta. 875+00 Ohio River Bridge =
Sta. 123+75 Rte. 56 (by others)

Sta. 874+45
End Work

SITE B ALTERNATE B-1
 W.Va. - At Grade Connection W/Reloc. Rte. 56
 Ohio - At Grade Connection W/Rte. 338



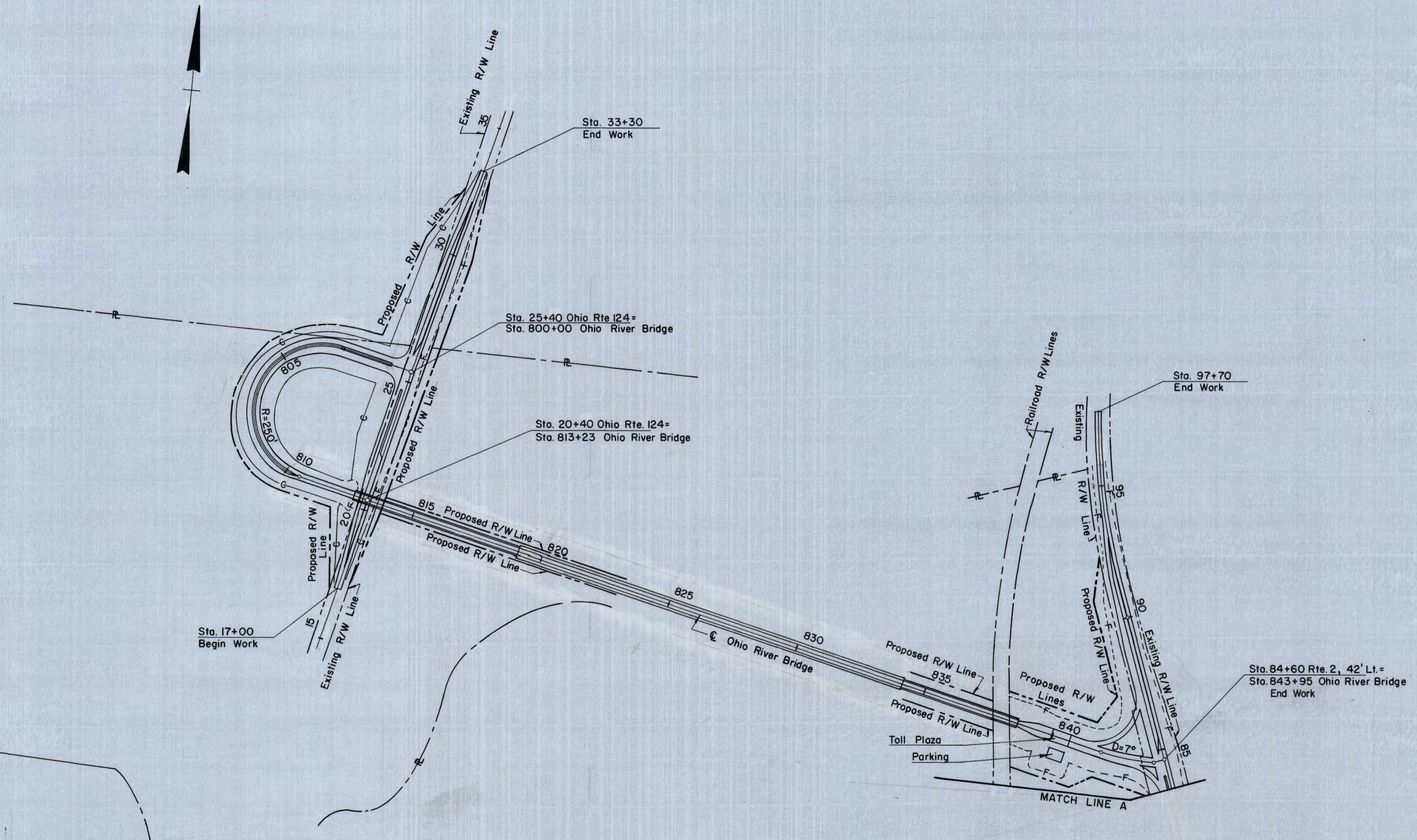


SITE B ALTERNATE B-3

W.Va. - Interchange W/Reloc. Rte. 56

Ohio - At Grade Connection W/Rte. 338

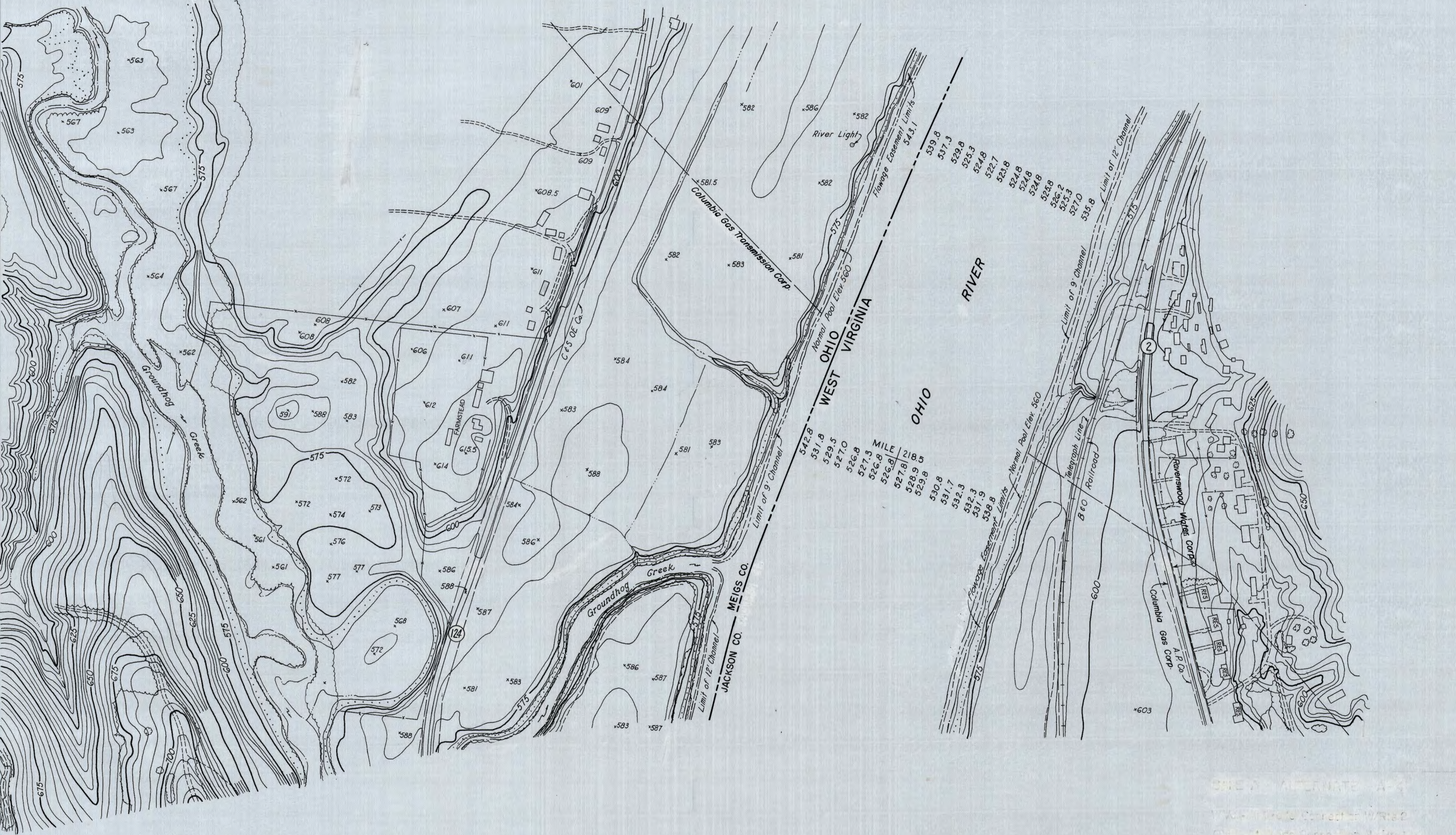




SITE A ALTERNATE A-4
W.Va. At Grade Connection W/Rte.2
Ohio - At Grade Connection W/Rte.124



BASE MAP PREPARED BY U.S. ARMY CORPS OF ENGINEERS,
 UPDATED BY MICHAEL BAKER, JR., INC., 1973.



OHIO STATE UNIVERSITY
 JACKSON COUNTY DISTRICT OFFICE
 CIVIL ENGINEERING DEPARTMENT
 100 UNIVERSITY AVENUE
 COLUMBUS, OHIO 43210



OHIO WEST VIRGINIA

MEIGS CO. JACKSON CO.

OHIO RIVER

Normal Pool Elev. 560

Flowage Easement Limits

Normal Pool Elev. 560

Flowage Easement Limits

MILE 219

542.1
540.1
539.0
535.1
529.1
527.6
527.2
527.6
530.9
532.1
533.6
535.6
538.1
539.1
541.6
543.6

540.5
534.5
529.5
529.5
528.0
527.5
528.0
530.0
531.1
532.5
540.0
536.0
537.5
540.6
542.0

528.5
527.7
526.5
528.5
529.0
531.8
532.5
534.1
535.5
539.5
543.5

