

DESIGN DESIGNATION
 Current ADT (1971)=2880
 Design Year ADT (1991)=5760
 D.H.V. = 864
 D = 67 %
 T = 18 %
 V = 50 m.p.h.

F.H.W.A. REGION	STATE	PROJECT	
5	OHIO	F-532 ()	

HOL-83-(13.96-14.72)

STATE OF OHIO
 DEPARTMENT OF TRANSPORTATION

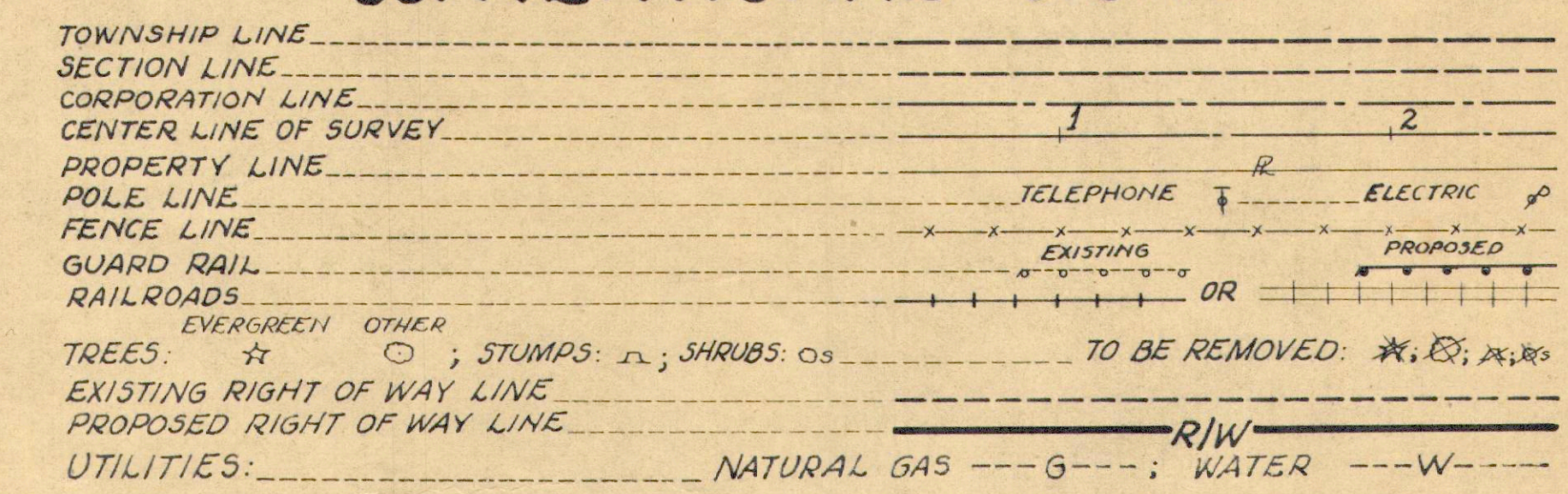
HOL-83-(13.96-14.72)

F-532 ()

PRAIRIE TOWNSHIP AND VILLAGE OF HOLMESVILLE
 HOLMES COUNTY

1973 SPECIFICATIONS

CONVENTIONAL SIGNS

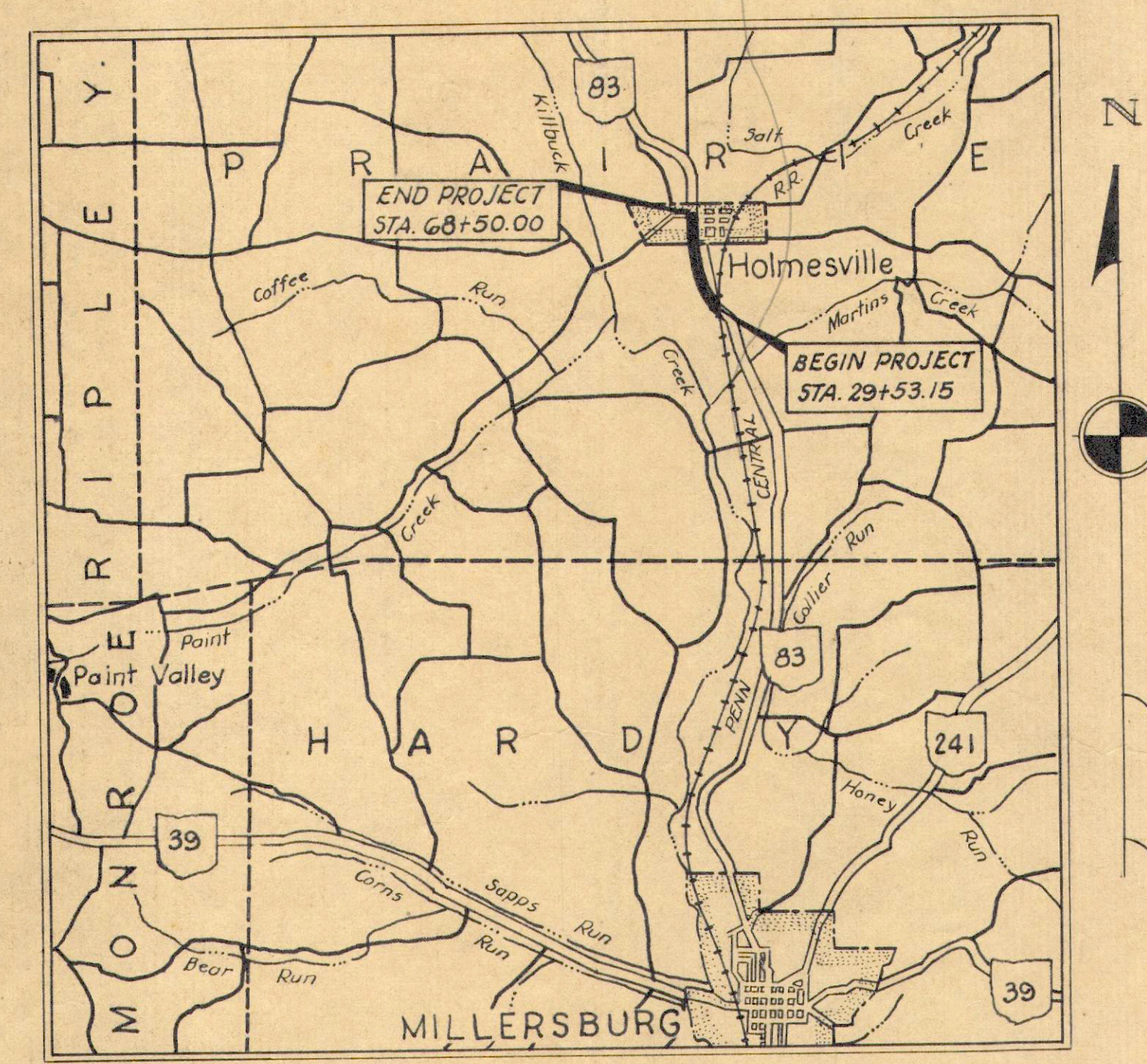


INDEX OF SHEETS

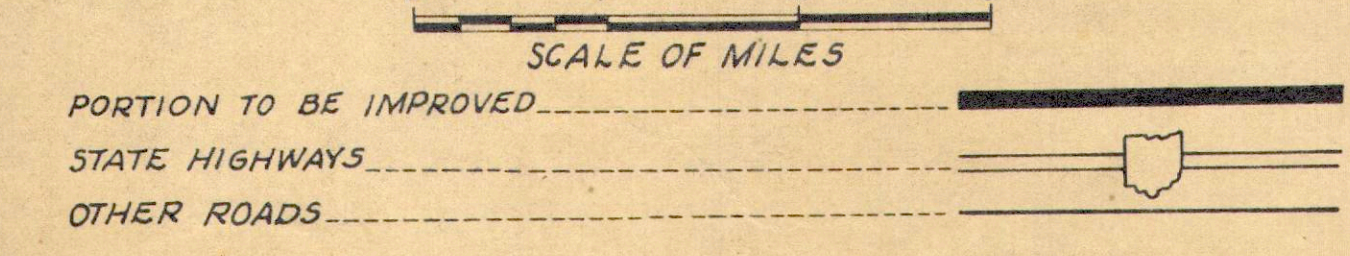
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LINE DATA

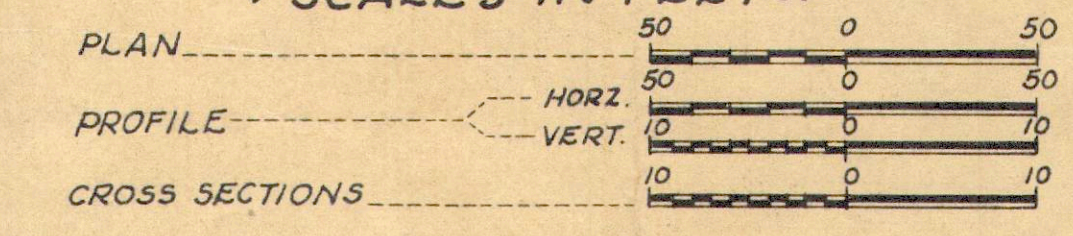
BEGIN PROJECT	STA. 29+53.15	
END PROJECT	STA. 68+50.00	
NET LENGTH OF PROJECT	3,896.85 LIN. FT. OR 0.738 MILES	
BEGIN WORK	STA. 28+85.00	
END WORK	STA. 68+50.00	
NET LENGTH OF WORK	3,965.00 LIN. FT. OR 0.750 MILES	



LOCATION MAP



SCALES IN FEET



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 the plans and estimates.

- Approved: _____
Date: _____ District Deputy Director of Transportation
- Approved: _____
Date: _____ Engineer, Bureau of Bridges
- Approved: _____
Date: _____ Engineer, Bureau of Roadway Design
- Approved: _____
Date: _____ Assistant Deputy Director for Highway Design
- Approved: _____
Date: _____ Assistant Deputy Director for Real Estate
- Approved: _____
Date: _____ Assistant Deputy Director for Program Development
- Approved: _____
Date: _____ Chief Engineer, Division of Highways
- Approved: _____
Date: _____ Deputy Director, Division of Highways
- Approved: _____
Date: _____ Assistant Director, Department of Transportation
- Approved: _____
Date: _____ Director, Department of Transportation

STANDARD DRAWINGS

BP-2	12-8-68	GR-2A	1-1-71	MC-1	6-13-69
BP-5	6-1-72	GR-2B	11-9-71	MC-3	6-1-73
BP-6	6-1-65	GR-4	11-9-71	MC-4	6-13-69
BP-7	1-1-66	GR-5	1-1-71	MC-5	6-1-65
				MC-8	12-1-67
CB-5	9-1-69	SP-53			
		HW-4	1-1-70	L-1	6-1-73

SUPPLEMENTAL SPECIFICATIONS

1001	9-20-72
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DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION

APPROVED: _____
 DIVISION ENGINEER DATE

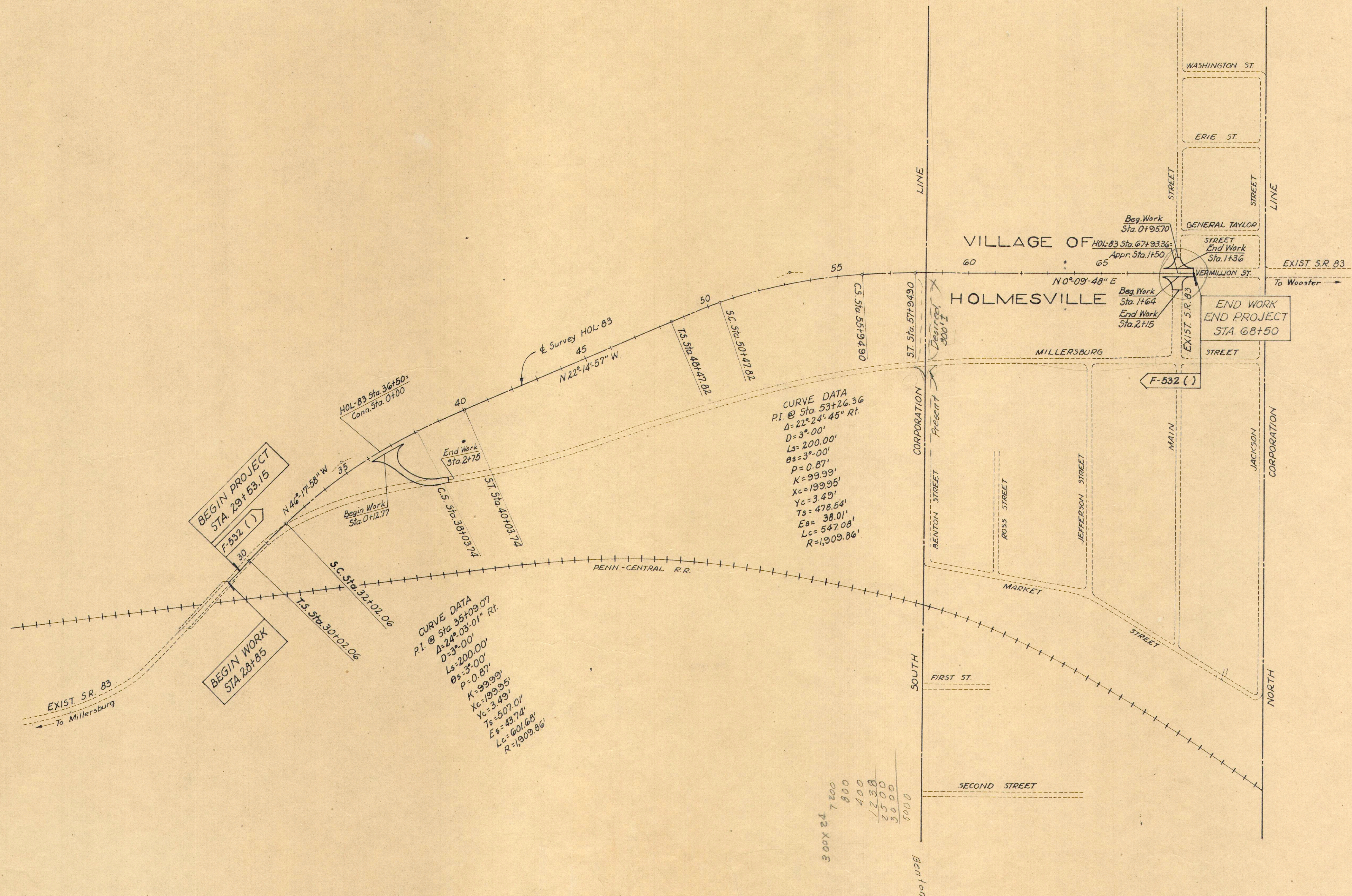
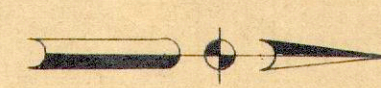
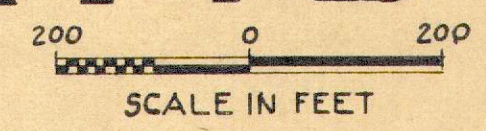
FILE No.	HOL-83-(13.95-14.72)
Date of Letting	_____
Contract No.	_____

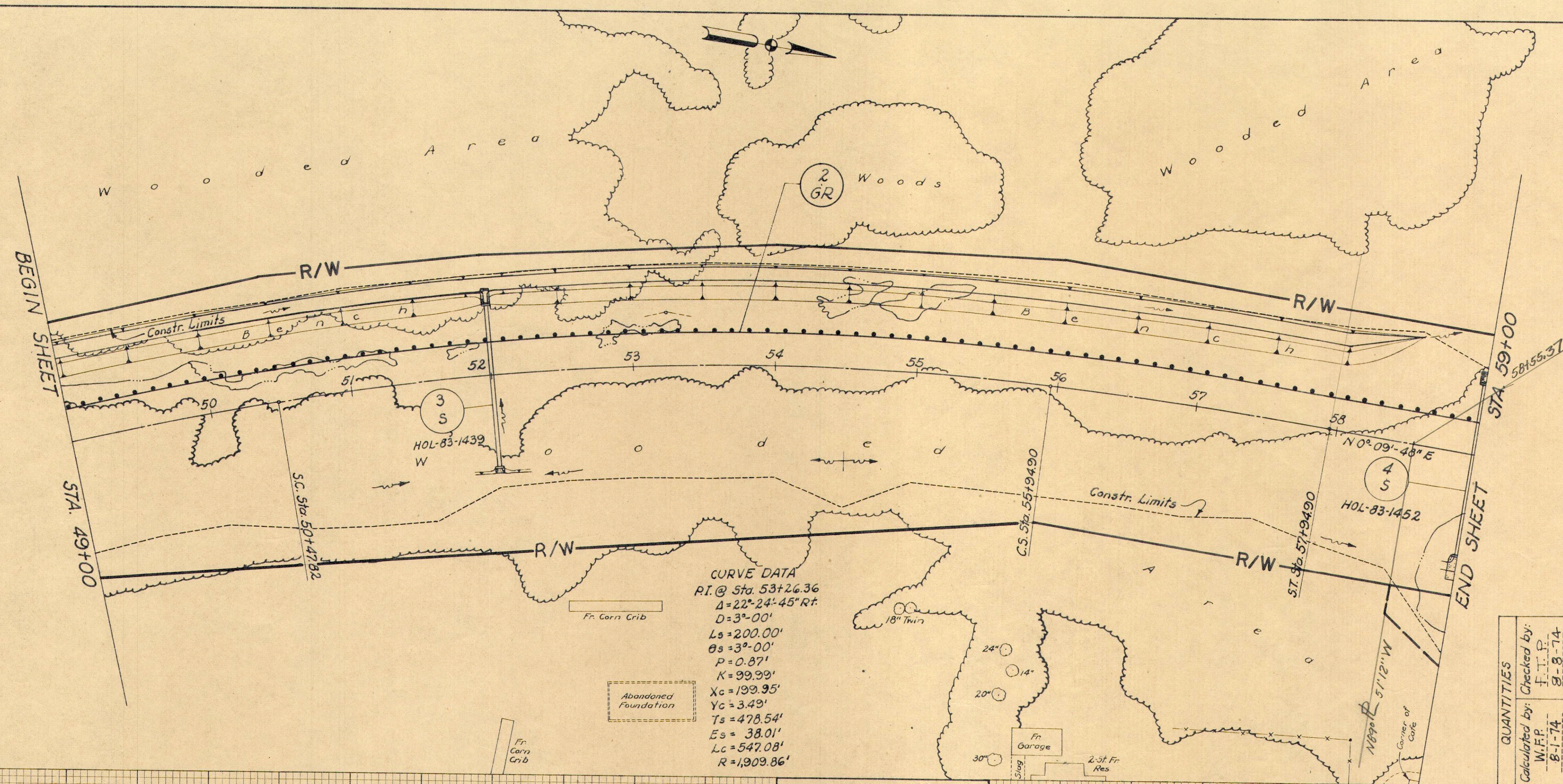
SCHEMATIC LAYOUT

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

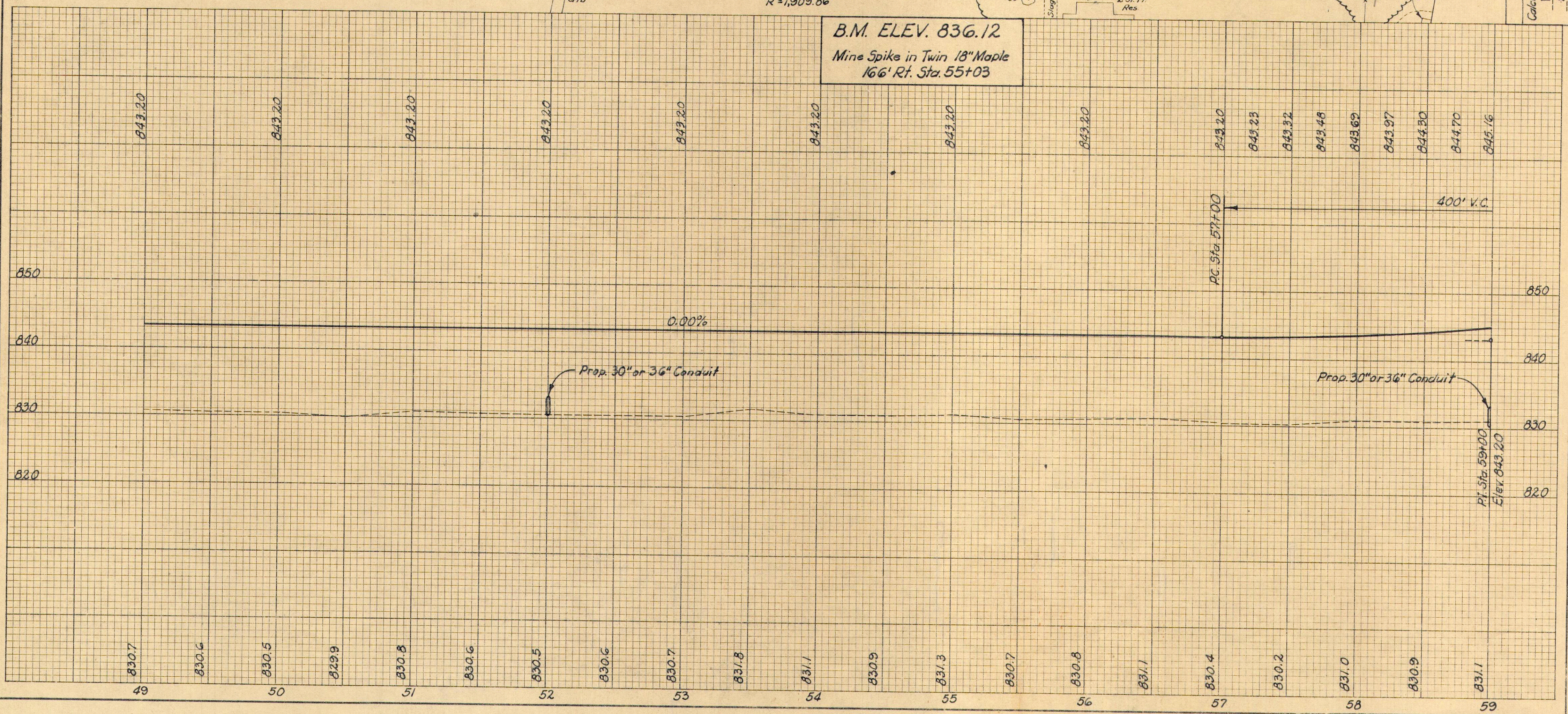
2

HOL-83-(13.96-14.72)





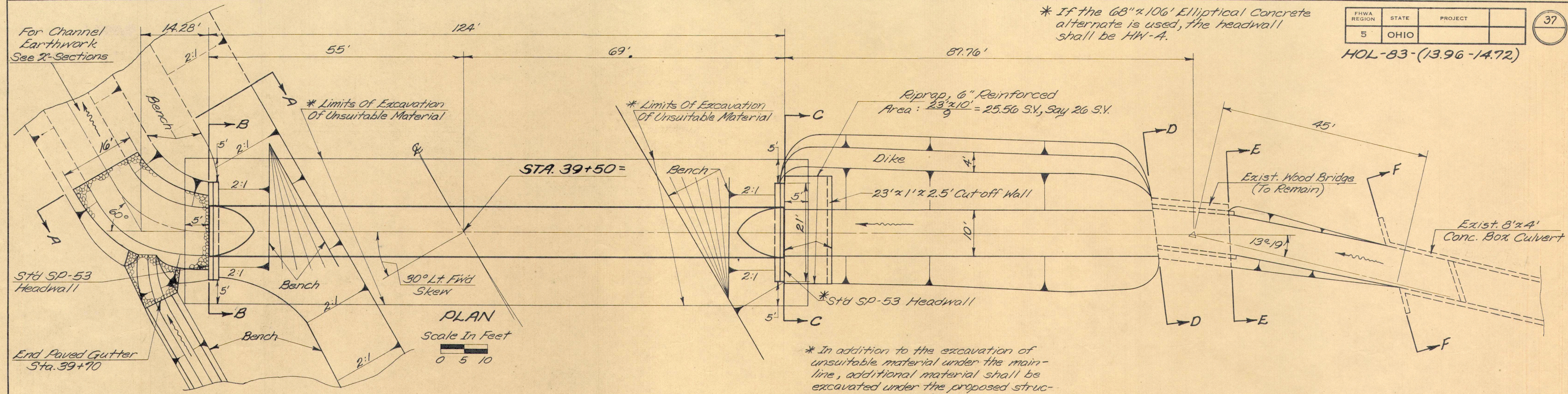
QUANTITIES
 Calculated by: _____
 Checked by: _____
 W.F.P. F.I.D.
 B-1-74 G-8-74



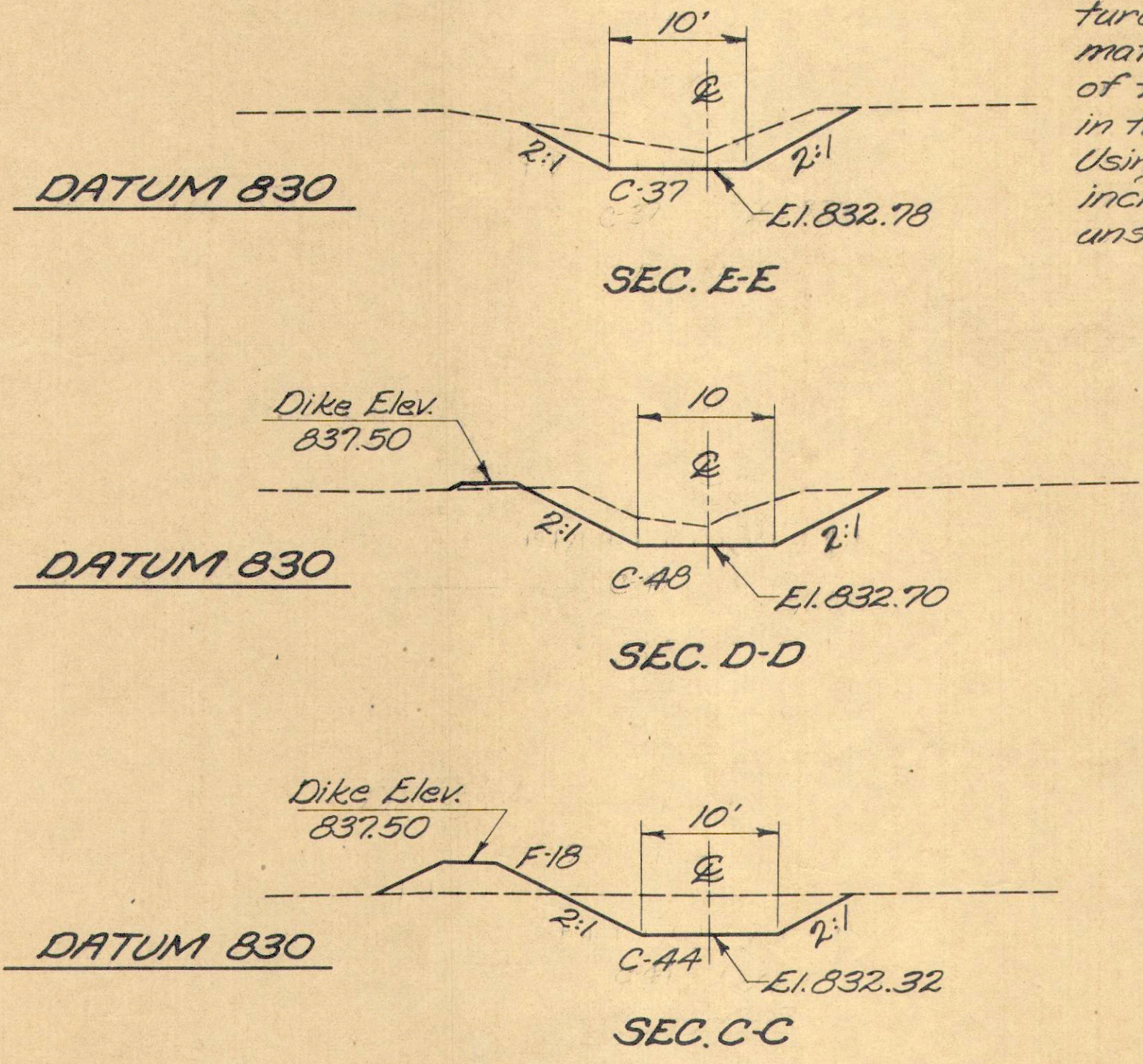
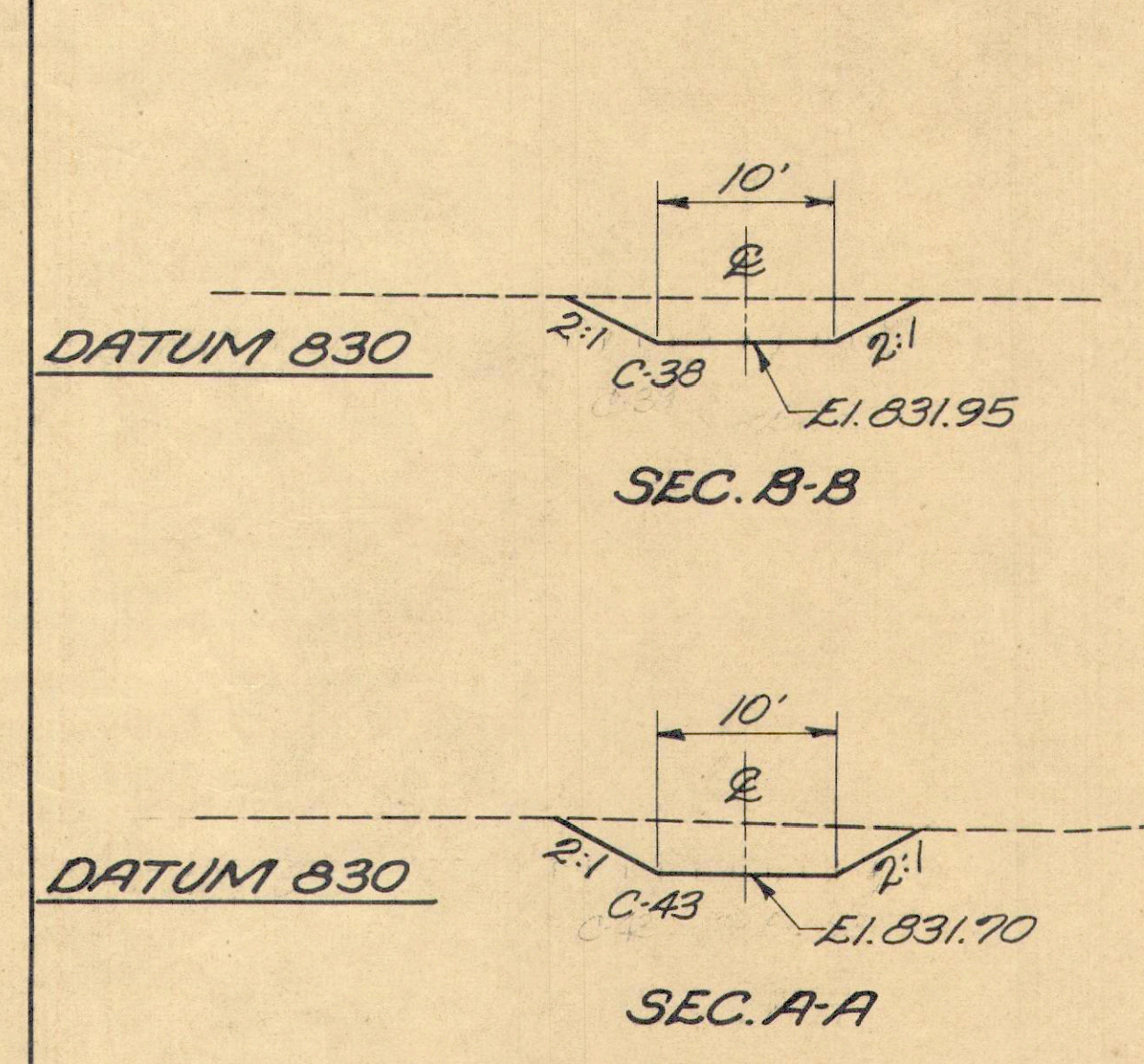
REF. NO.	STATION TO STATION	SIDE	QUANTITIES	SEE SHEET NO.																																																																																																																																							
2-GR	49+00 TO 59+00	LT.	<table border="1"> <tr> <td>CONTOUR</td> <td>603</td> <td>602</td> <td>601</td> <td>606</td> </tr> <tr> <td>TYPE A</td> <td></td> <td></td> <td></td> <td>GRAND CHAIL</td> </tr> <tr> <td>TYPE B</td> <td></td> <td></td> <td></td> <td>TYPE 5</td> </tr> <tr> <td>TYPE C</td> <td></td> <td></td> <td></td> <td>LIN. FT.</td> </tr> <tr> <td>TYPE D</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TYPE E</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TYPE F</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TYPE G</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TYPE H</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TYPE I</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TYPE J</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TYPE K</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TYPE L</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TYPE M</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TYPE N</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TYPE O</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TYPE P</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TYPE Q</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TYPE R</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TYPE S</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TYPE T</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TYPE U</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TYPE V</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TYPE W</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TYPE X</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TYPE Y</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TYPE Z</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	CONTOUR	603	602	601	606	TYPE A				GRAND CHAIL	TYPE B				TYPE 5	TYPE C				LIN. FT.	TYPE D					TYPE E					TYPE F					TYPE G					TYPE H					TYPE I					TYPE J					TYPE K					TYPE L					TYPE M					TYPE N					TYPE O					TYPE P					TYPE Q					TYPE R					TYPE S					TYPE T					TYPE U					TYPE V					TYPE W					TYPE X					TYPE Y					TYPE Z					39 40
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PLAN & PROFILE - STA 49+00 TO STA 59+00

HOL-83-(13.96-14.72)



Rock Channel Protection, Type B
 Area: $5.33' \times 100' = 533 \text{ Sq. Ft.}$
 Vol.: $\frac{533' \times 3'}{27} = \frac{1599}{27} = 59.22 \text{ C.Y., Say } 59 \text{ C.Y.}$



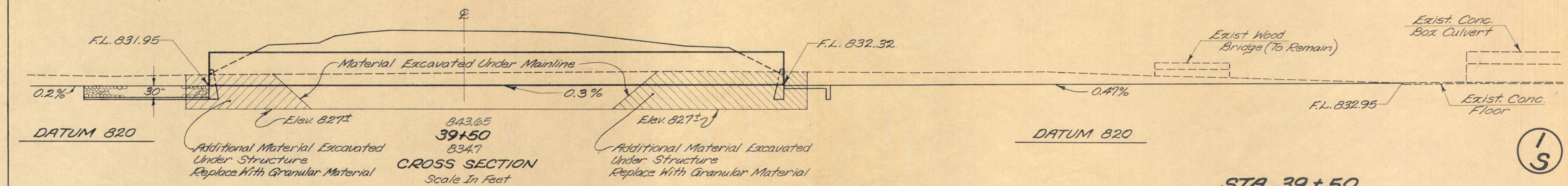
* In addition to the excavation of unsuitable material under the mainline, additional material shall be excavated under the proposed structure and replaced with granular material to the limits as shown. Cost of the excavation shall be included in the price bid for Item 203 Borrow Using Granular Material, As Per Plan including the cost of excavation of unsuitable material.

QUANTITIES

Item 603 - Type A, 10'-8" x 6'-11", 707.07 (0.138") Or 68" x 106", 706.04, Class HE-II	124 Lin. Ft.
Item 602 - Concrete Masonry	12.39 Cu. Yds.
Item 601 - Rock Channel Protection, Type B	59 Cu. Yds.
Item 601 - Riprap, 6" Reinforced	26 Sq. Yds.
* Item 203 - Excavation	202 Cu. Yds.
* Item 203 - Embankment	27 Cu. Yds.

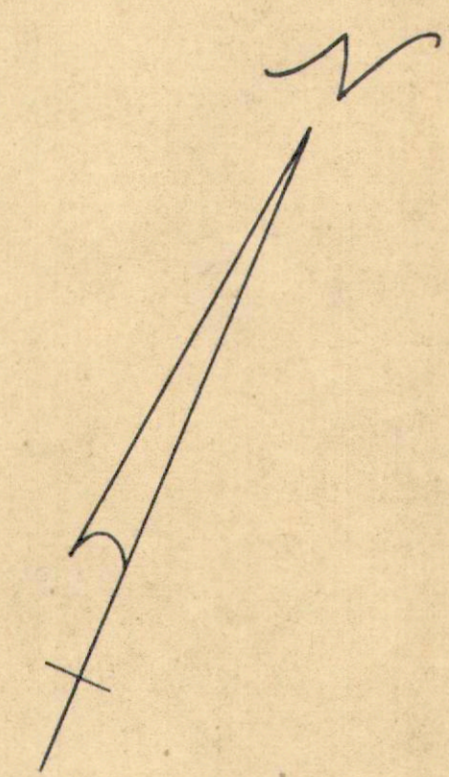
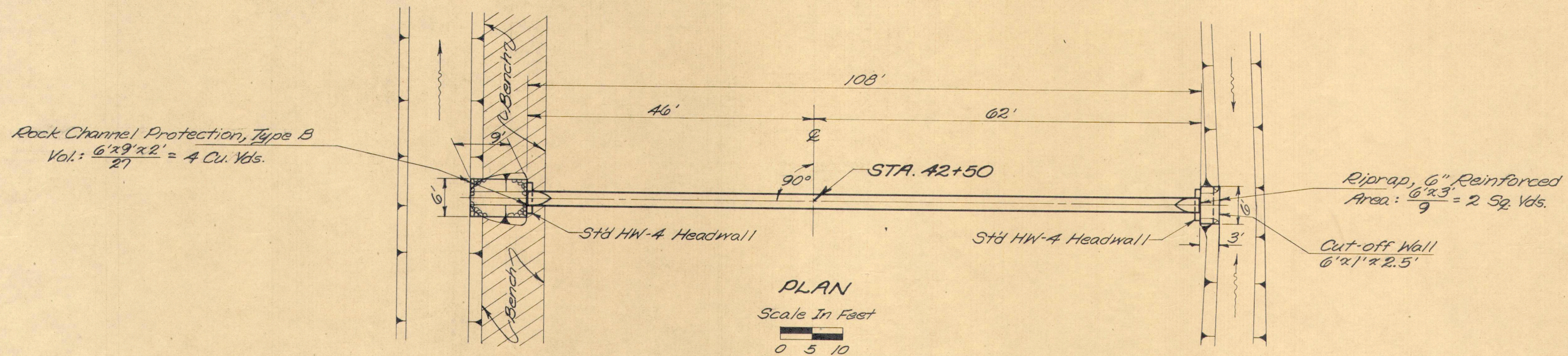
* Carried to Sh. No. 21

Area: 288 acres
 Q₂₅: 210 c.f.s.



Calculated By	Checked By
A.T.P.	K.W.W.
1-25-74	8-2-74

STA. 39+50
 10'-8" x 6'-11" x 124' ARCH OR
 68" x 106" x 24' ELLIPTICAL CONCRETE

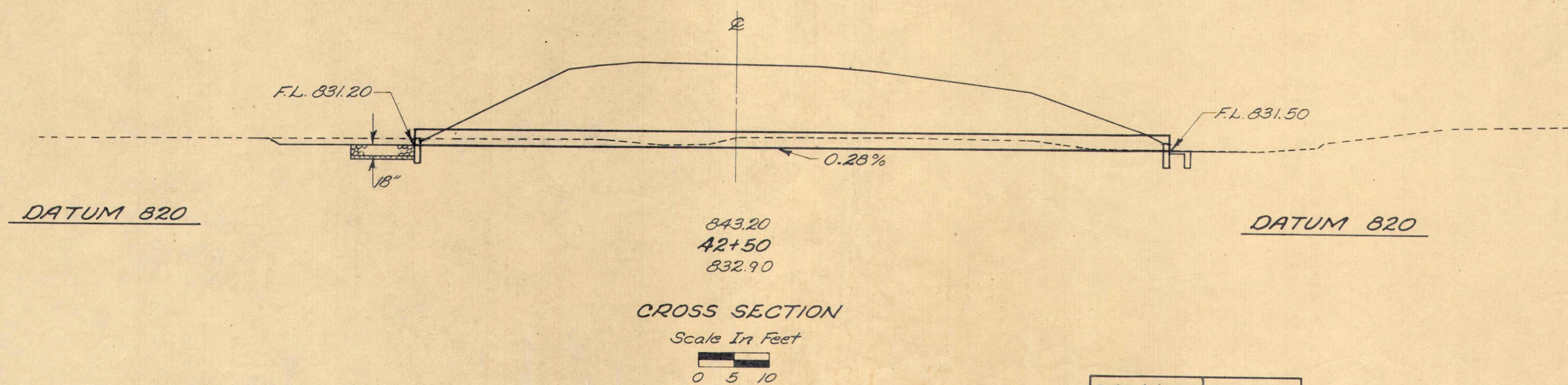


QUANTITIES

- Item 603 - 27" Conduit, Type A, 706.02 or 706.08 Or 33" Conduit, Type A, 707.05 Type C
- Item 602 - Concrete Masonry
- Item 601 - Rock Channel Protection, Type B
- Item 601 - Riprap, 6" Reinforced

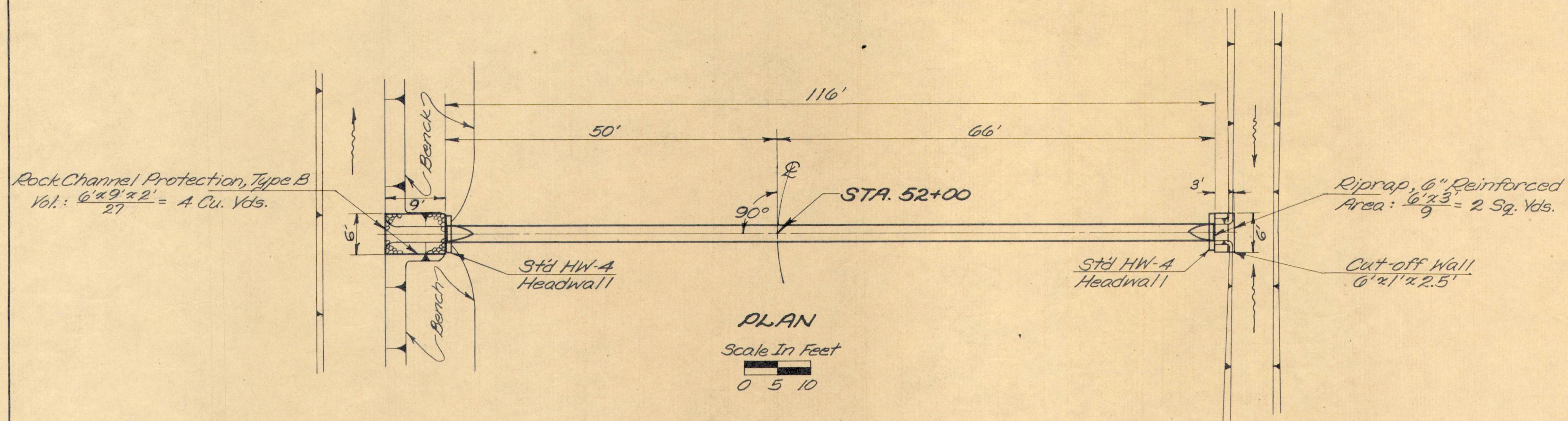
108 Lin. Ft.
1.36 Cu. Yds.
4 Cu. Yds.
2 Sq. Yds.

Area: 8 acres
Q₂₅: 34 c.f.s.



Calculated By	Checked By
A.T.P.	W.M.K.
7-25-74	8-2-74

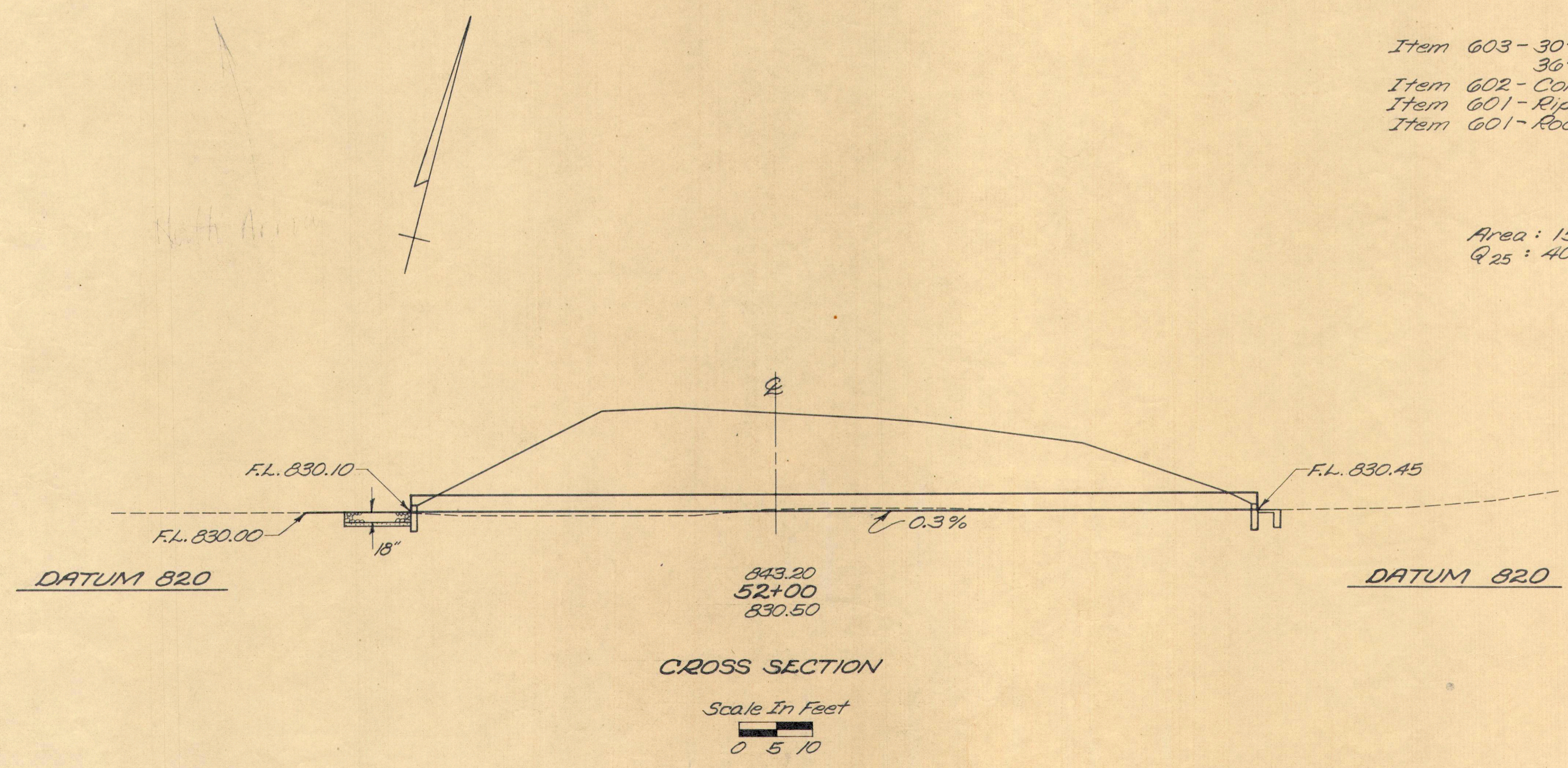
STA. 42+50
27" OR 33" x 108' CONDUIT



QUANTITIES

- Item 603 - 30" Conduit, Type A, 706.02 Class III or 706.08 or 36" Conduit, Type A, 707.05 Type C 116 Lin. Ft.
- Item 602 - Concrete Masonry 1.52 Cu. Yds.
- Item 601 - Riprap, 6" Reinforced 2 Sq. Yds.
- Item 601 - Rock Channel Protection, Type B 4 Cu. Yds.

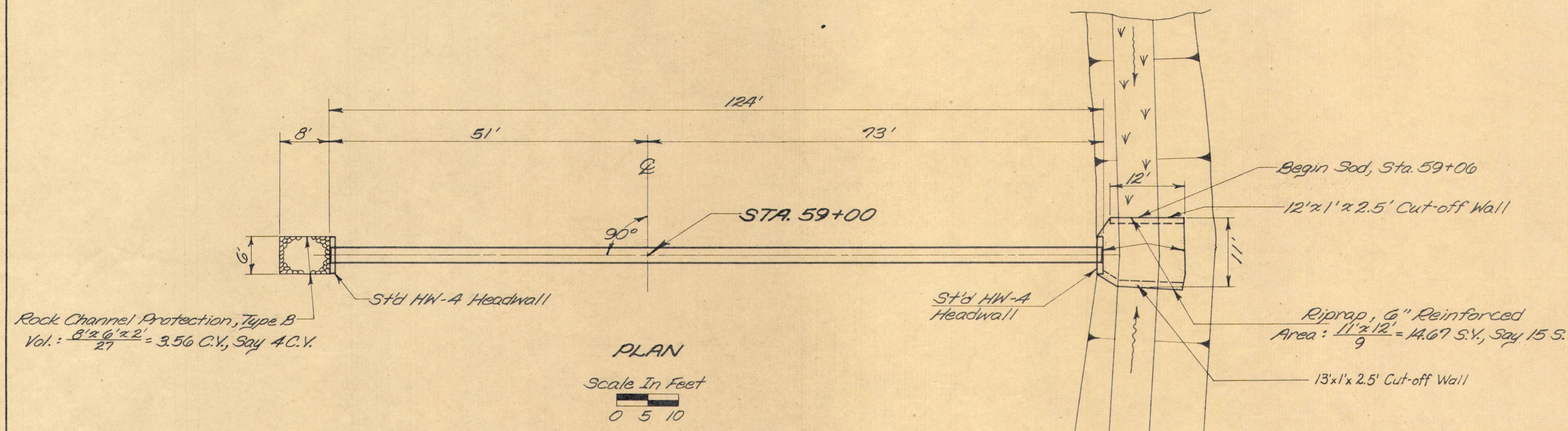
Area: 15 acres
Q₂₅: 40 c.f.s.



Calculated By	Checked By
J.T.P.	W.W.W.
7-25-74	8-2-74

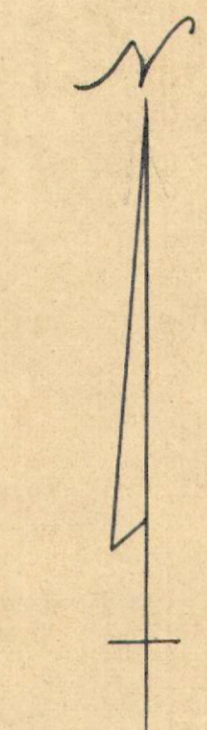
STA. 52+00
30" OR 36" x 116' CONDUIT

HOL-83-(13.96-14.72)



Rock Channel Protection, Type B
 Vol. : $\frac{8' \times 6' \times 2'}{27} = 3.56 \text{ C.Y.}$, Say 4 C.Y.

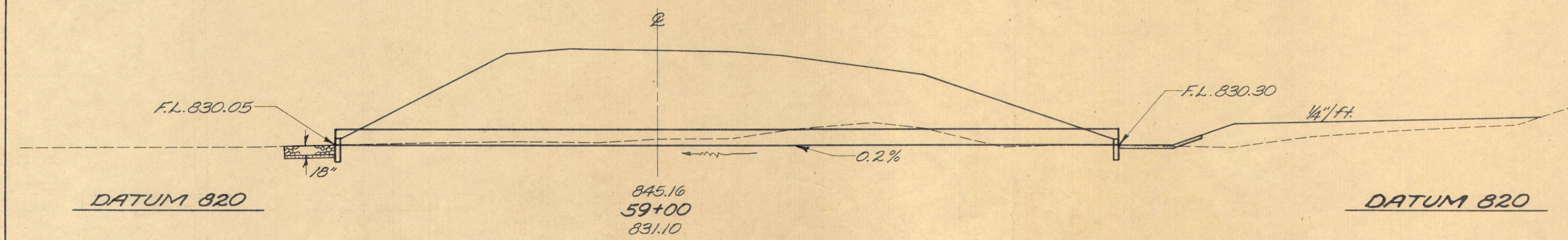
PLAN
 Scale In Feet
 0 5 10



QUANTITIES

Item 603 - 30" Conduit, Type A, 706.02, Class III or 706.08 Or 36" Conduit, Type A, 707.05 Type C	124 Lin. Ft.
Item 602 - Concrete Masonry	1.52 Cu. Yds.
Item 601 - Riprap, 6" Reinforced	15 Sq. Yds.
Item 601 - Rock Channel Protection, Type B	4 Cu. Yds.

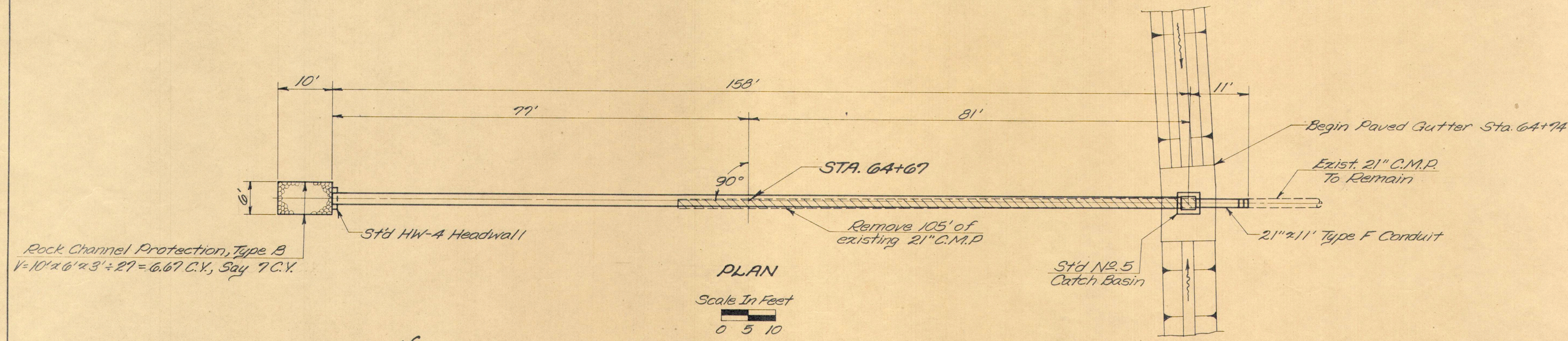
Area: 16 acres
 Q₂₅: 45 c.f.s.



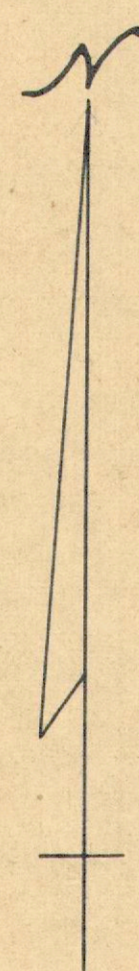
CROSS SECTION
 Scale In Feet
 0 5 10

Calculated By	Checked By
J.T.P.	M.M.M.
7-25-74	8-2-74

STA. 59+00
 30" OR 36" x 124' CONDUIT



Rock Channel Protection, Type B
 $V = 10' \times 6' \times 3' = 27 = 6.67 \text{ C.Y.}$, Say 7 C.Y.

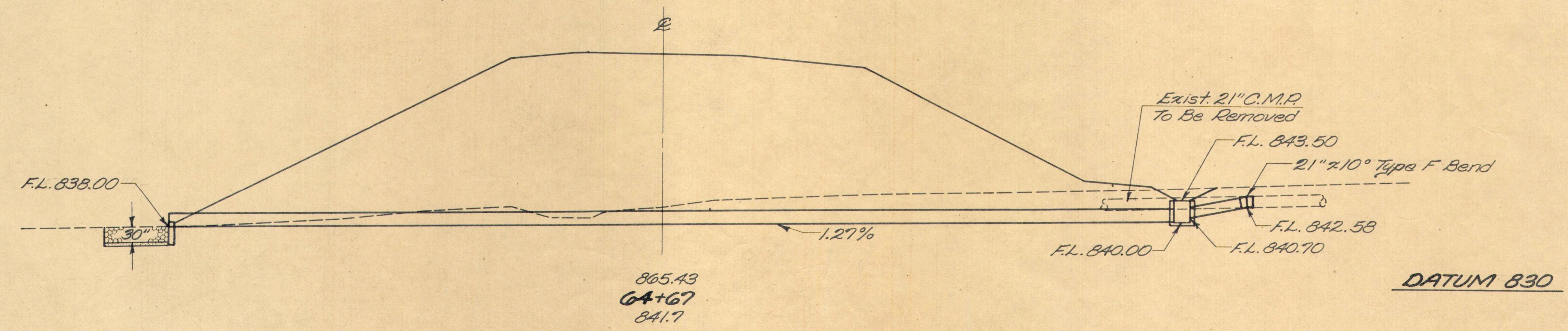


QUANTITIES

603 - 27" Conduit, Type B, 706.02 Class II or 707.13	158 Lin. Ft.
603 - 21" Conduit, Type F	10 Lin. Ft.
602 - Concrete Masonry	0.53 Cu. Yd.
202 - 21" Pipe Removed	105 Lin. Ft.
601 - Rock Channel Protection, Type B	7 Cu. Yds.
604 - Std. No. 5 Catch Basin	1 Each

BENDS & BRANCHES

21" Type F, 10° Bend	1 Each
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Calculated By E.T.P. 7-25-74	Checked By W.N.H. 8-2-74
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**STA. 64+67
 27" x 158' CONDUIT**