

CROSS SECTIONS  
 Scale 1 inch = 5' Horiz. 32  
 2' Vert. 32  
 Original Plans by M. James 3-4-82  
 Checked by [Signature] 32  
 Drawn by [Signature] 32  
 Plotted by [Signature] 32  
 Approved by [Signature] 32  
 Date 32

CITY OF BALTIMORE  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF HIGHWAYS

IMPROVEMENTS TO



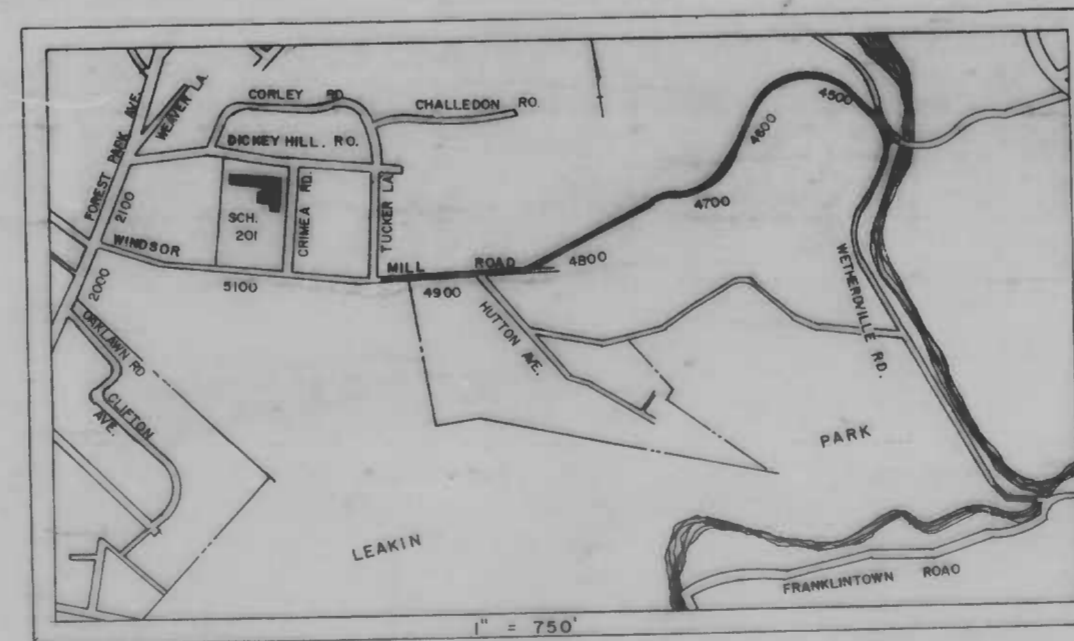
WINDSOR MILL. ROAD

FROM TUCKER LANE TO WETHEREDSVILLE ROAD

CITY OF BALTIMORE, BUREAU OF HIGHWAYS, CONTRACT No.3068

INDEX OF SHEETS	
NO.	DESCRIPTION
1.	TITLE SHEET
2.	TYPICAL SECTIONS AND DETAILS
3.	WETHEREDSVILLE ROAD
4.	PLAN AND PROFILE, 0+00 TO 11+00
5.	PLAN AND PROFILE, 11+00 TO 22+00
6.	PLAN AND PROFILE, 22+00 TO 31+00
7.	PLAN AND PROFILE, 31+00 TO 40+64.27
8.	PLAN AND PROFILE, 40+64.27 TO 45+47.81
9.	UTILITIES, 0+00 TO 11+00
10.	UTILITIES, 11+00 TO 22+00
11.	UTILITIES, 22+00 TO 31+00
12.	UTILITIES, 31+00 TO 40+64.27
13.	UTILITIES, 40+64.27 TO 45+47.81
14.	STORM WATER PLAN, DRAINAGE OUTFALL AREAS - ESD 80-311
15.	STORM WATER PLAN, DRAINAGE OUTFALL AREAS - ESD 80-310
16.	WATER DETAILS - W 109 B
17.	SOIL EROSION / SEDIMENT CONTROL PLAN
18.	SOIL EROSION / SEDIMENT CONTROL PLAN
19.	SOIL EROSION / SEDIMENT CONTROL PLAN
20.	SOIL EROSION / SEDIMENT CONTROL PLAN
21.	SOIL EROSION / SEDIMENT CONTROL PLAN
22.	SOIL EROSION / SEDIMENT CONTROL PLAN
23.	SOIL EROSION / SEDIMENT CONTROL DETAILS
24.	SOIL EROSION / SEDIMENT CONTROL NOTES
25.	TRAFFIC CONTROL PLAN

FIELD BOOKS	
1927	TOPOGRAPHY & CROSS SECTIONS
1930	TOPOGRAPHY & CROSS SECTIONS
1982	TOPOGRAPHY & CROSS SECTIONS
1985	TOPOGRAPHY & CROSS SECTIONS
L-1118	TOPOGRAPHY & CROSS SECTIONS
L-1133	TOPOGRAPHY & CROSS SECTIONS



DEPARTMENT OF PUBLIC WORKS

BUREAU OF HIGHWAYS

APPROVED: *[Signature]*  
 CHIEF, HIGHWAY ENGINEERING DIVISION

APPROVED: *[Signature]*  
 CHIEF, ENVIRONMENTAL SERVICES DIVISION

OFFICE OF TRANSPORTATION

APPROVED: *[Signature]*  
 DIRECTOR OF OFFICE OF TRANSPORTATION

APPROVED

*[Signature]*  
 DIRECTOR OF PUBLIC WORKS

APPROVED

*[Signature]*  
 HEAD, BUREAU OF HIGHWAYS

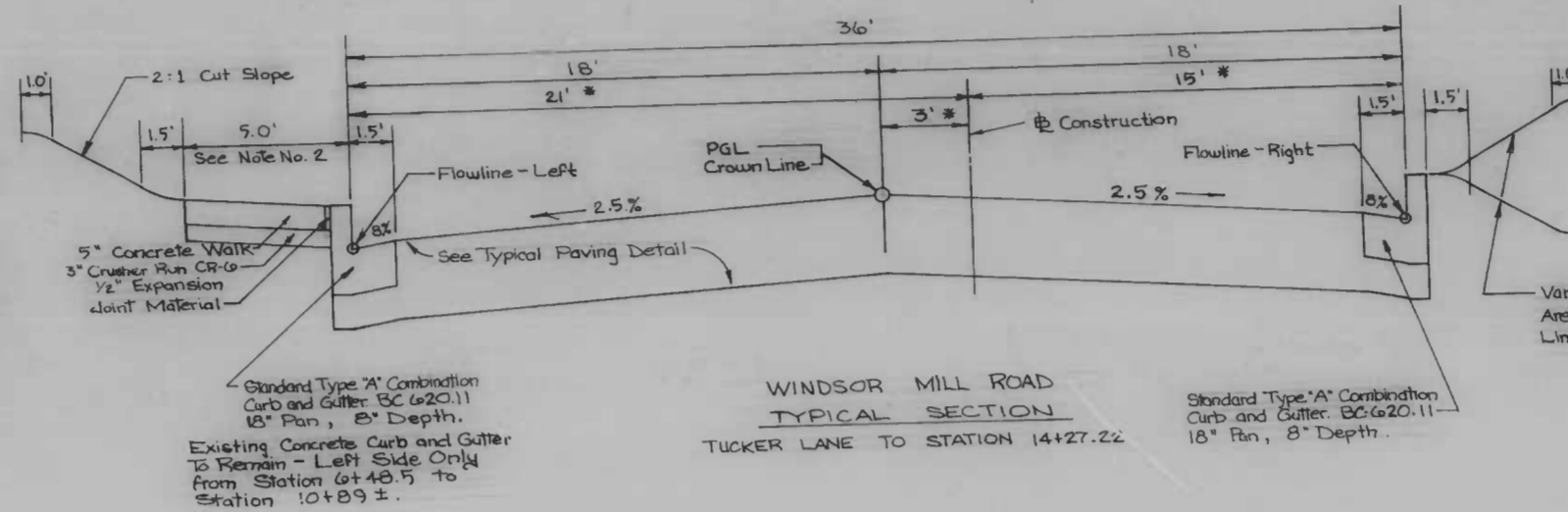
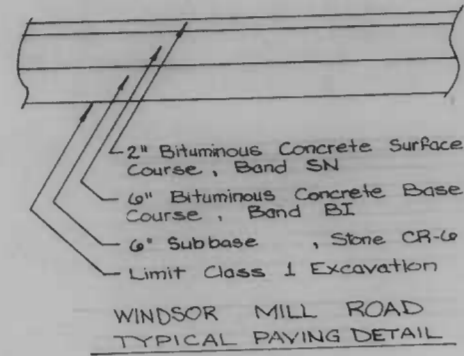
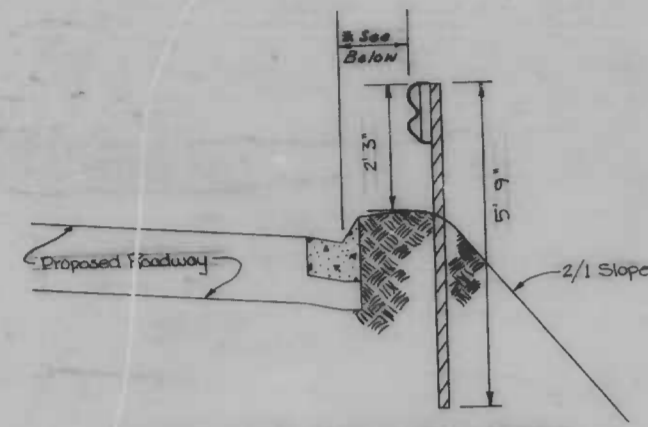
APPROVED: *[Signature]*  
 DIRECTOR OF RECREATION AND PARKS

CONT. 3068

B OF H REVIEW	R/W RELEASE	GRADE EST'D	HIGHWAY DESIGN	STRUCTURAL	DRAINAGE	LIGHTING	CONDUIT	SEDIMENTATION AND EROSION CONTROL	OFFICE OF TRANSPORTATION	WASTE WATER ENGINEERING	WATER ENGINEERING
BY	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>			<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
DATE	9/17/86	9/22/86	9/22/86		9/25/86	9/22/86	9/22/86	9/22/86	9/22/86	9/22/86	9/25/86

FILE REF.

REVISIONS		
NO.	DESCRIPTION	DATE BY



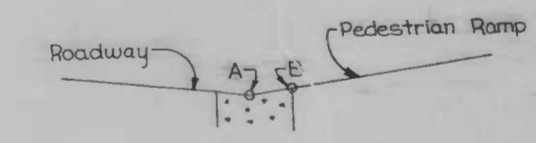
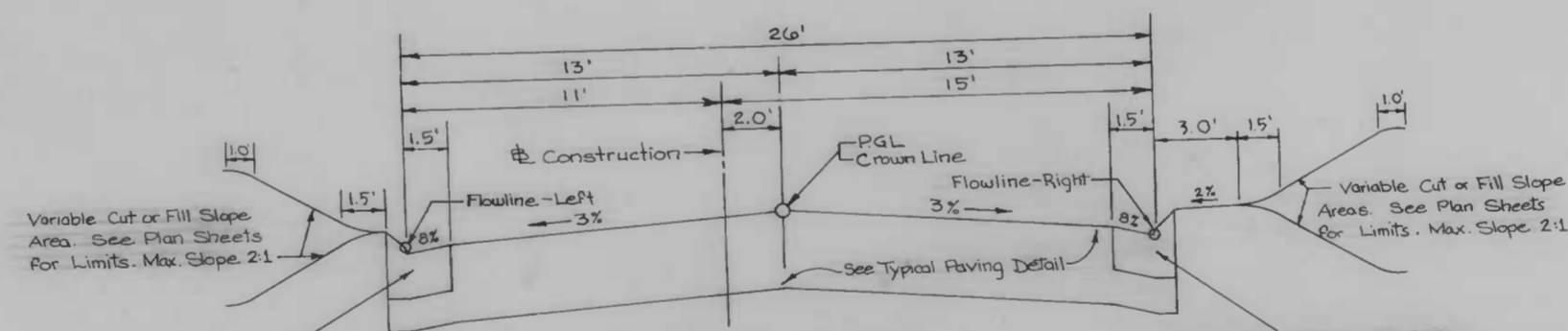
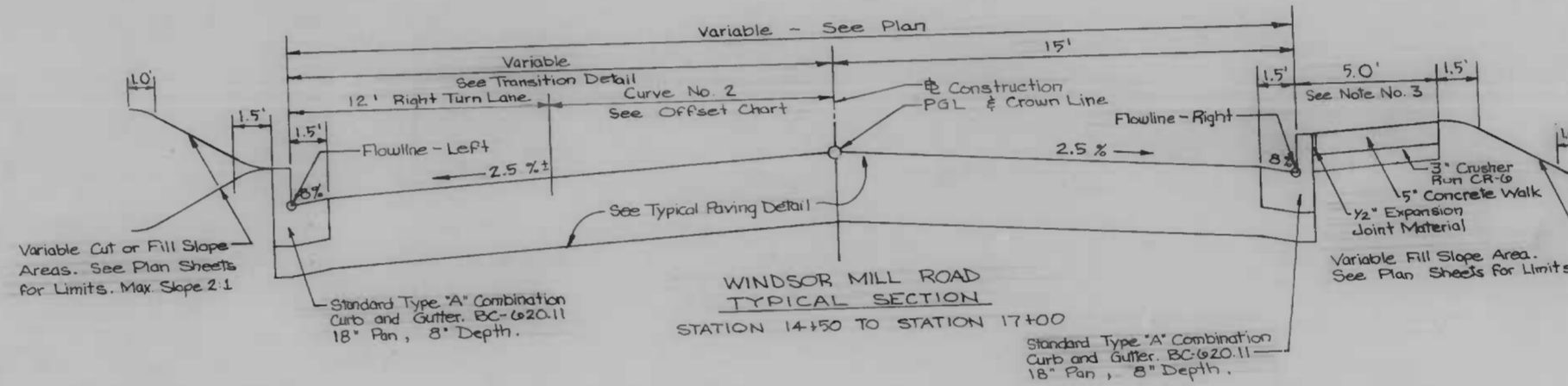
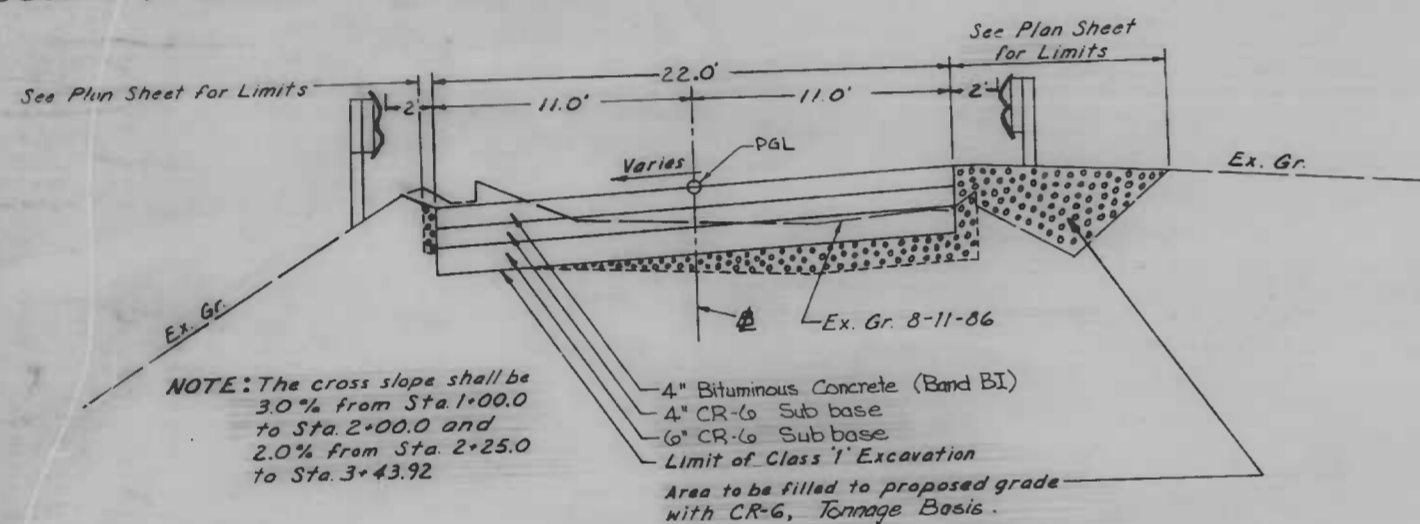
**NOTES:**

- Offset Distances vary from Station 6+48.5 to Station 10+50 Right and from Station 6+48.5 to Station 1+00 Left. See Plan Sheet and Offset Chart this sheet.
- New 5' Concrete sidewalk to be installed from N.E. Corner of Tucker Lane to Station 7+35.18 ± and from Station 10+89 ± to N.W. Corner of proposed Wheeling Drive, Left Side Only.
- New 5' Concrete sidewalk to be installed from Station 12+85 ± to Station 17+28 ±, Right Side Only.

Variable Cut or Fill Slope Areas. See Plan Sheets for Limits. Max. Slope 2:1

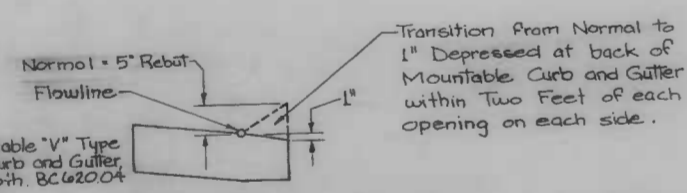
**TYPICAL GUARD-RAIL INSTALLATION**  
(SEE PLANS FOR LOCATIONS)

Guard Rail - Wetheredville Road - Standard Galvanized (2.67)\*  
Guard Rail - Windsor Mill Road - Corten Steel (3.0)\*  
See Special Provisions and Standard Plate Numbers:  
BC (6)0.01, BC (6)0.02, BC (6)0.03



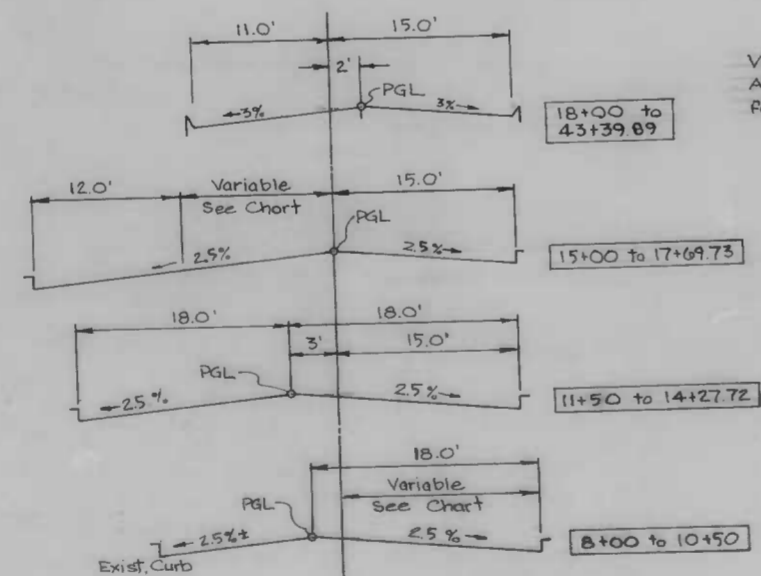
NOTE: In forming the curb circle in connection with the installation of all pedestrian ramps; be sure to have the elevation @ 'B' 1" higher than 'A'.

**PEDESTRIAN RAMP DETAIL NOTE**



**MOUNTABLE CURB AND GUTTER AT ENTRANCES TO DRAINAGE OUTFALL AREAS**  
(SEE SHEETS 14 AND 15)

From Station	To Station	Offset
18+00	18+20	15' Right
28+40	28+60	15' Right
31+33	31+56	11' Left



OFFSET CHART	
CURVE NO. 2	
Station	Offset
17+69.73	11.00
17+00	14.26
16+50	16.84
16+00	18.84
15+50	20.23
15+00	21.00
14+50	21.16

OFFSET CHART	
RIGHT CURBLINE	
Station	Offset
10+50	15.00
10+00	15.38
9+50	15.75
9+00	16.03
8+50	16.40
8+00	16.87
7+50	17.25
7+00	17.63
6+48.5	18.00

CITY OF BALTIMORE  
DEPARTMENT OF PUBLIC WORKS  
BUREAU OF HIGHWAYS  
CONTRACT NO. 3068

**WINDSOR MILL ROAD**  
FROM TUCKER LANE TO WETHEREDVILLE ROAD

TYPICAL SECTIONS AND DETAILS

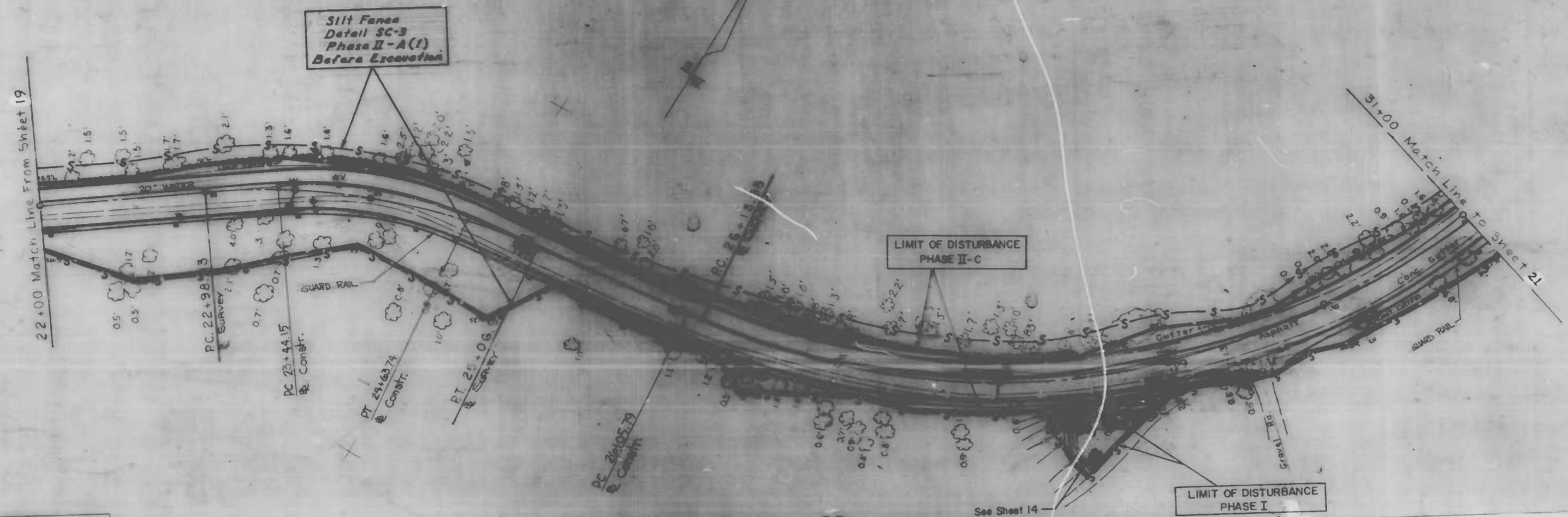
SCALE NONE  
HIGHWAY ENGINEERING DIVISION  
DATE 9/23/86  
SHEET 2 OF 25

DRAWN BY R. Thomas  
EXAMINED BY

FILE REF.

FILE REF.

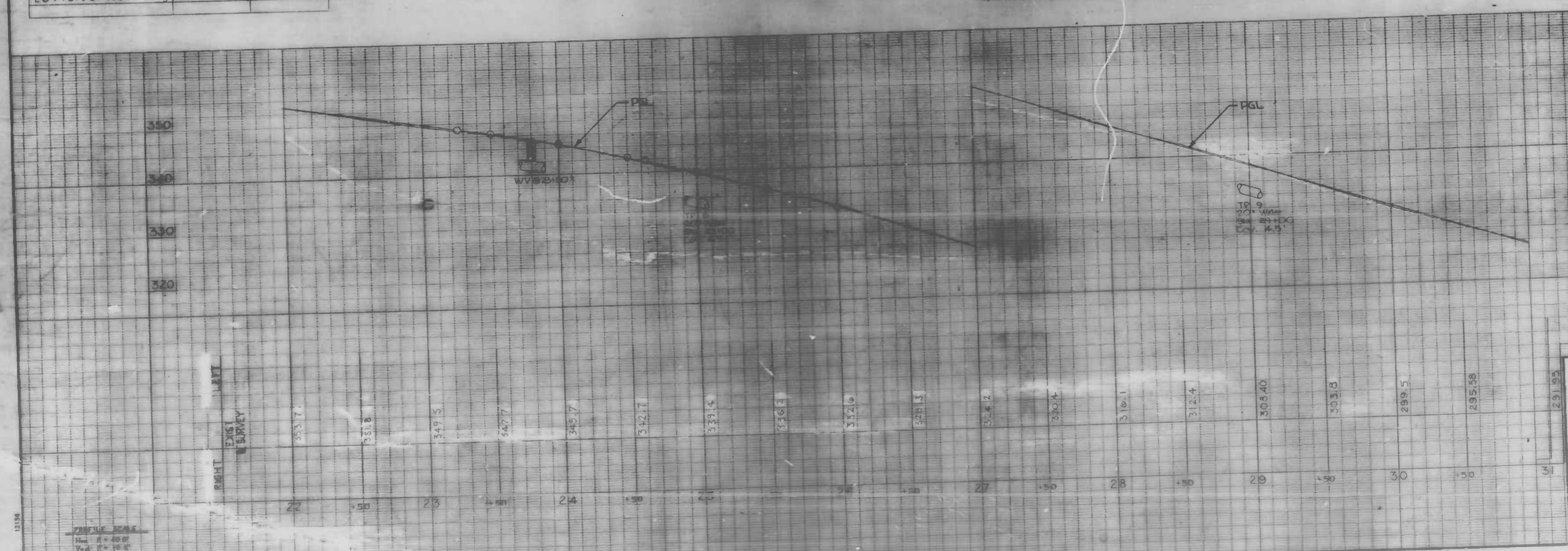
REVISIONS		
NO.	DESCRIPTION	DATE



PLAN SCALE  
1" = 40.0'

ROADWAY POINT DESCRIPTION	COORDINATES	
	WEST	NORTH
22+98.93 - P.C. & Survey	22658.86	4843.42
25+06.91 - P.T. & Survey	22466.87	4917.09
26+13.95 - P.C. & Survey	22360.43	4928.46

NOTE: DIMENSIONS ARE SHOWN ONLY FOR THE CONSTRUCTION OF THE CONTROL STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE CORRECTNESS OF THE INFORMATION GIVEN. THE CONTRACTOR MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION.



CITY OF BALTIMORE  
DEPARTMENT OF PUBLIC WORKS  
BUREAU OF HIGHWAYS  
CONTRACT NO. 3068

WINDSOR MILL ROAD  
FROM TUCKER LANE TO WETHEREDSVILLE ROAD

SOIL EROSION / SEDIMENT CONTROL PLAN

SCALE: AS NOTED  
HIGHWAY ENGINEERING DIVISION

DATE: 9/23/80  
SHEET 20 OF 25

DRAWN BY: [Signature]  
EXAMINED BY: [Signature]

FILE REF.

FILE REF.

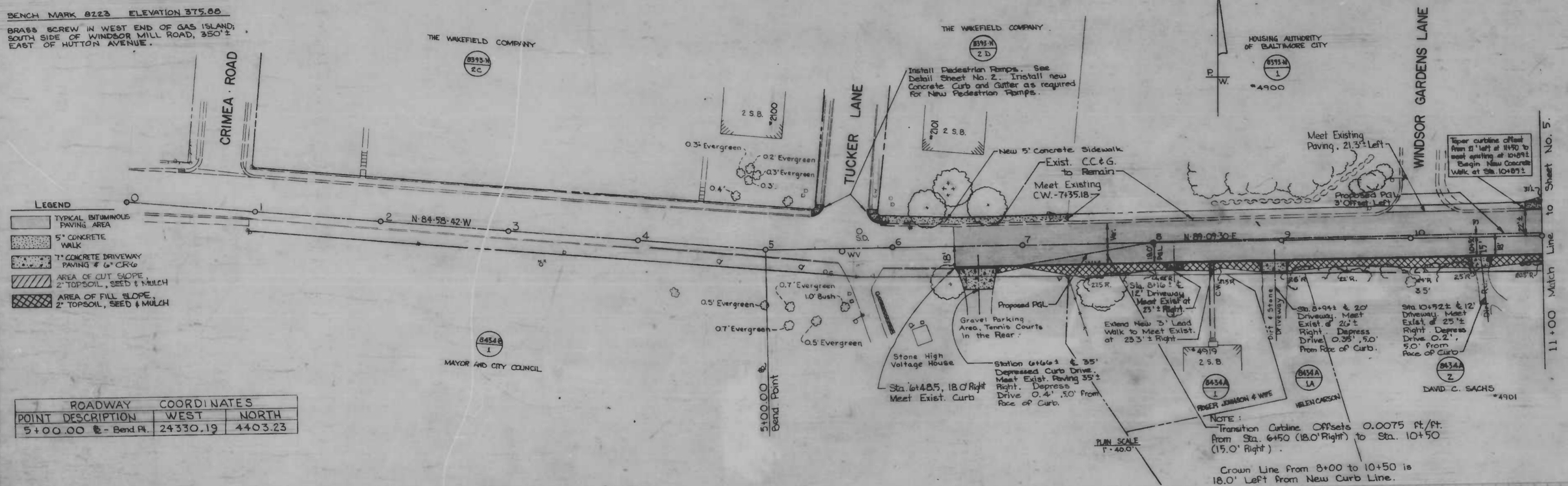
REVISIONS		
NO.	DESCRIPTION	DATE BY

BENCH MARK 8219 ELEVATION 399.69  
BRASS SCREW, SOUTH CURB WINDSOR MILL ROAD 800' ± EAST OF FOREST PARK AVENUE; 50' ± WEST OF HOUSE NO. 5100.

BENCH MARK 8225 ELEVATION 397.37  
BRASS DISK IN CONCRETE POST 0.1' BELOW SURFACE OF WEST SIDE ROAD TO LEAKIN PARK; 165' ± SOUTH OF WINDSOR MILL ROAD.

BENCH MARK 8223 ELEVATION 375.00  
BRASS SCREW IN WEST END OF GAS ISLAND SOUTH SIDE OF WINDSOR MILL ROAD, 350' ± EAST OF HUTTON AVENUE.

NOTE:  
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LEGEND

[Symbol]	TYPICAL BITUMINOUS PAVING AREA
[Symbol]	5" CONCRETE WALK
[Symbol]	7" CONCRETE DRIVEWAY PAVING # 6" CRKG
[Symbol]	AREA OF CUT SLOPE 2" TOPSOIL, SEED & MULCH
[Symbol]	AREA OF FILL SLOPE 2" TOPSOIL, SEED & MULCH

ROADWAY COORDINATES

POINT DESCRIPTION	WEST	NORTH
5+00.00 @ Bend Pt.	24330.19	4403.23

FIELD BOOKS  
L-1118, L1133,  
1527, 1530, 1582  
AND 1605



CITY OF BALTIMORE  
DEPARTMENT OF PUBLIC WORKS  
BUREAU OF HIGHWAYS  
CONTRACT NO. 3068

WINDSOR MILL ROAD  
FROM TUCKER LANE TO WETHEREDSVILLE ROAD

PLAN AND PROFILE

SCALE: AS NOTED  
HIGHWAY ENGINEERING DIVISION

DATE: 9/23/86  
SHEET 4 OF 25

PROFILE SCALE:  
Hor: 1" = 40.0'  
Vert: 1" = 10.0'

DRAWN BY: [Signature]  
EXAMINED BY: [Signature]

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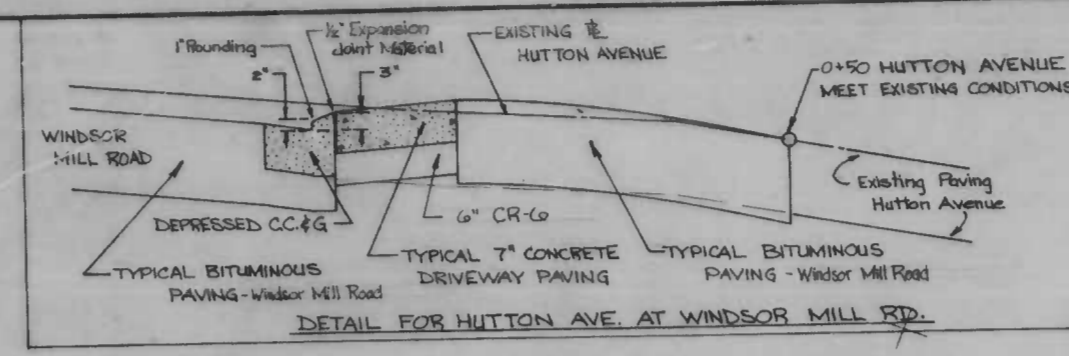
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REVISIONS		
NO.	DESCRIPTION	DATE

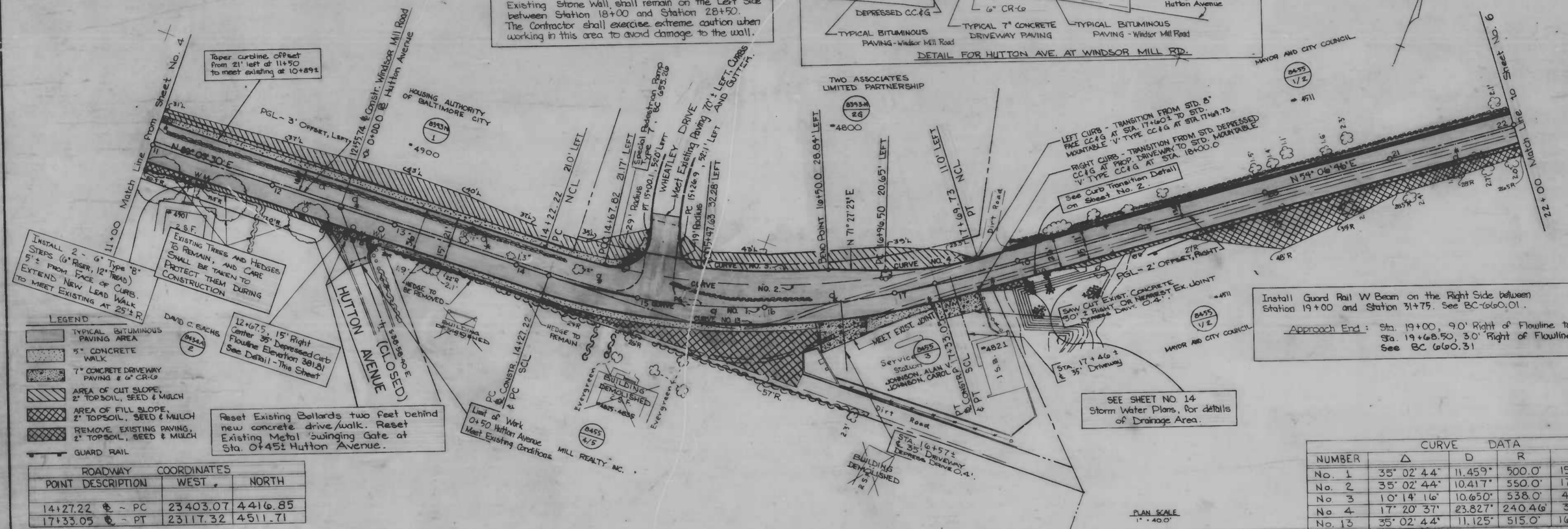
NOTE: OBSTRUCTIONS ARE SHOWN ON THIS DRAWING FOR THE CONVENIENCE OF THE CONTRACTOR ONLY, AND THE CITY DOES NOT WARRANT OR GUARANTEE THE COMPLETENESS OR THE CORRECTNESS OF THE INFORMATION GIVEN. THE CONTRACTOR MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION.

Existing Stone Wall shall be removed on the Left Side from Station 11+05 to Station 14+40 and from Station 15+25 to Station 16+37. See Special Provisions.

Existing Stone Wall shall remain on the Left Side between Station 18+00 and Station 28+50. The Contractor shall exercise extreme caution when working in this area to avoid damage to the wall.



MAYOR AND CITY COUNCIL



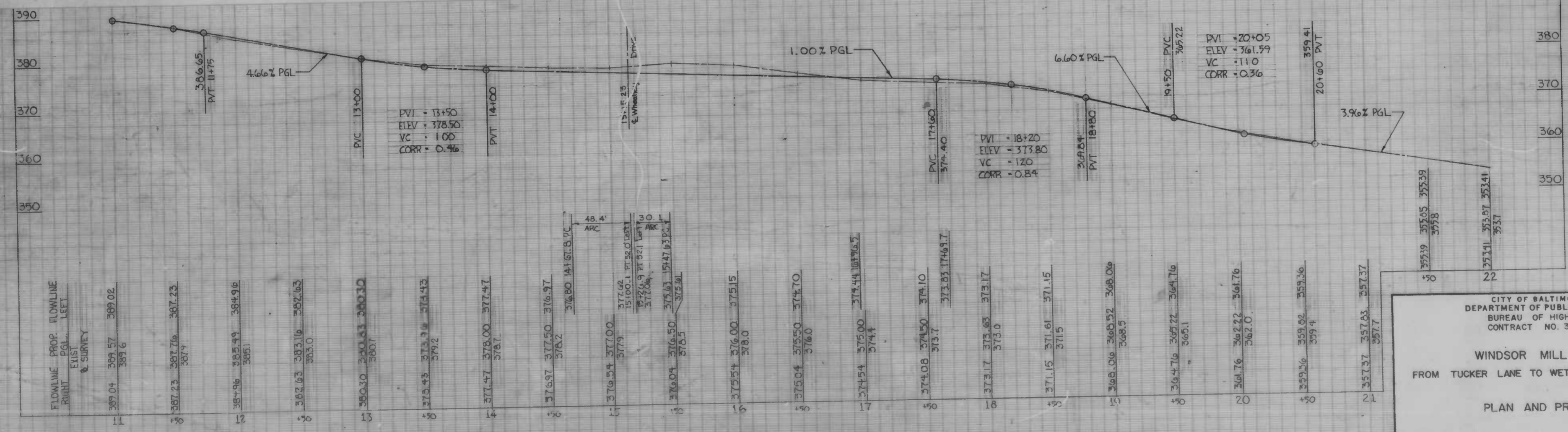
- LEGEND
- TYPICAL BITUMINOUS PAVING AREA
  - 5" CONCRETE WALK
  - 7" CONCRETE DRIVEWAY PAVING 2" TOPSOIL, SEED & MULCH
  - AREA OF CUT SLOPE, 2" TOPSOIL, SEED & MULCH
  - AREA OF FILL SLOPE, 2" TOPSOIL, SEED & MULCH
  - REMOVE EXISTING PAVING, 2" TOPSOIL, SEED & MULCH
  - GUARD RAIL

ROADWAY POINT DESCRIPTION	COORDINATES WEST	COORDINATES NORTH
14+27.22 - PC	23403.07	4416.85
17+33.05 - PT	23117.32	4511.71

Install Guard Rail W Beam on the Right Side between Station 19+00 and Station 31+75. See BC 6/60.01.

Approach End: Sta. 19+00, 9.0' Right of Flowline to Sta. 19+68.50, 3.0' Right of Flowline. See BC 6/60.31

CURVE DATA					
NUMBER	Δ	D	R	T	C
No. 1	35° 02' 4.4"	11,459'	500.0'	157.87'	305.83'
No. 2	35° 02' 4.4"	10,417'	550.0'	173.66'	336.41'
No. 3	10° 14' 16"	10,650'	538.0'	48.19'	93.13'
No. 4	17° 20' 37"	23,827'	240.46'	36.68'	72.79'
No. 13	35° 02' 4.4"	11,125'	515.0'	162.60'	315.00'



PROFILE SCALE  
 Hor: 1" = 40.0'  
 Vert: 1" = 10.0'

CITY OF BALTIMORE  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF HIGHWAYS  
 CONTRACT NO. 3068

WINDSOR MILL ROAD  
 FROM TUCKER LANE TO WETHEREDSVILLE ROAD

PLAN AND PROFILE

SCALE: AS NOTED DATE: 9/23/86  
 HIGHWAY ENGINEERING DIVISION SHEET 5 OF 25

FILE REF.

FILE REF.

REVISIONS			
NO.	DESCRIPTION	DATE	BY

NOTE  
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Install Guard Rail W Beam on the Left Side between Station 32+31.5 and Station 36+00.0 See BC 660.01  
 Trail End: Sta 32+31.5, 9.0' Left of Flowline to Sta 33+00.0, 3.0' Left of Flowline. See BC 660.31  
 Approach End: Sta 35+31.5, 3.0' Left of Flowline to Sta 36+00.0, 9.0' Left of Flowline. See BC 660.31

Remove Existing Wood Guard Rail - Left Side. From Sta. 32+00± to Sta. 36+00±. Cost of Removal and Disposal included in Class 1 Excav.

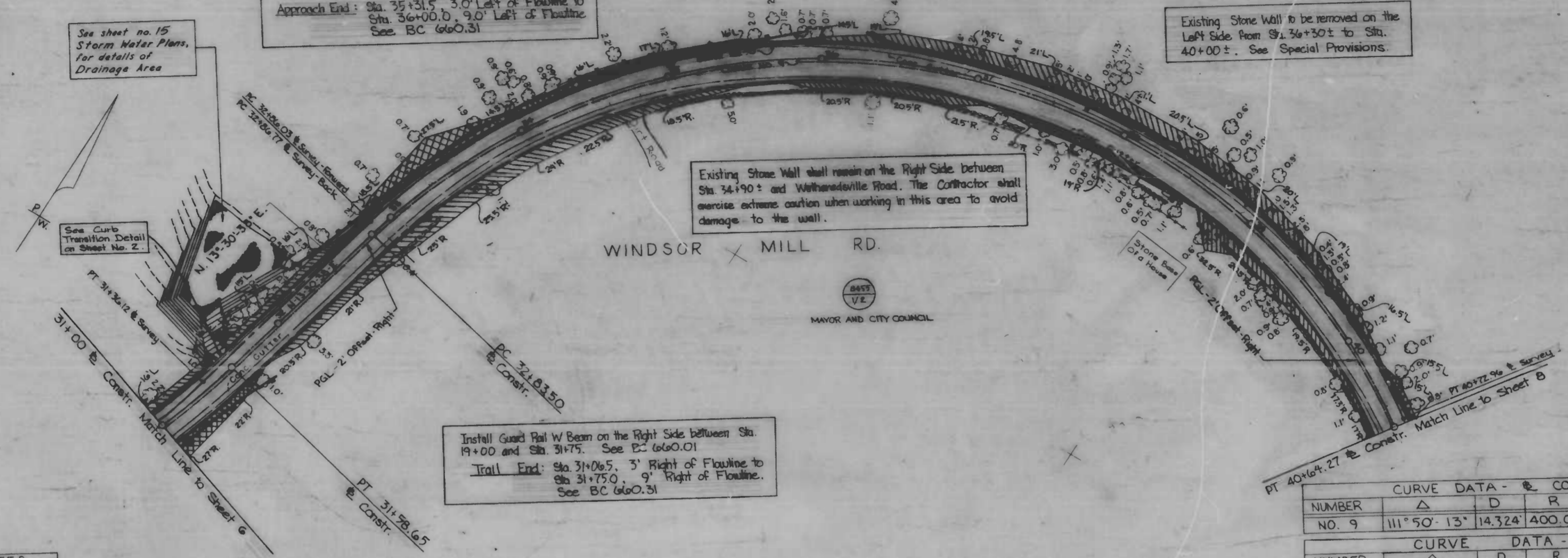
Existing Stone Wall to be removed on the Left Side from Sta. 36+30± to Sta. 40+00±. See Special Provisions.

Existing Stone Wall shall remain on the Right Side between Sta. 34+90± and Wetheredville Road. The Contractor shall exercise extreme caution when working in this area to avoid damage to the wall.

Install Guard Rail W Beam on the Right Side between Sta. 19+00 and Sta. 31+75. See BC 660.01  
 Trail End: Sta 31+06.5, 3' Right of Flowline to Sta 31+75.0, 9' Right of Flowline. See BC 660.31

See sheet no. 15 Storm Water Plans, for details of Drainage Area

See Curb Transition Detail on Sheet No. 2



LEGEND

- TYPICAL BITUMINOUS PAVING AREA
- AREA OF CUT SLOPE, 2" TOPSOIL, SEED & MULCH
- AREA OF FILL SLOPE, 2" TOPSOIL, SEED & MULCH
- REMOVE EXISTING PAVING, 2" TOPSOIL, SEED & MULCH
- GUARD RAIL

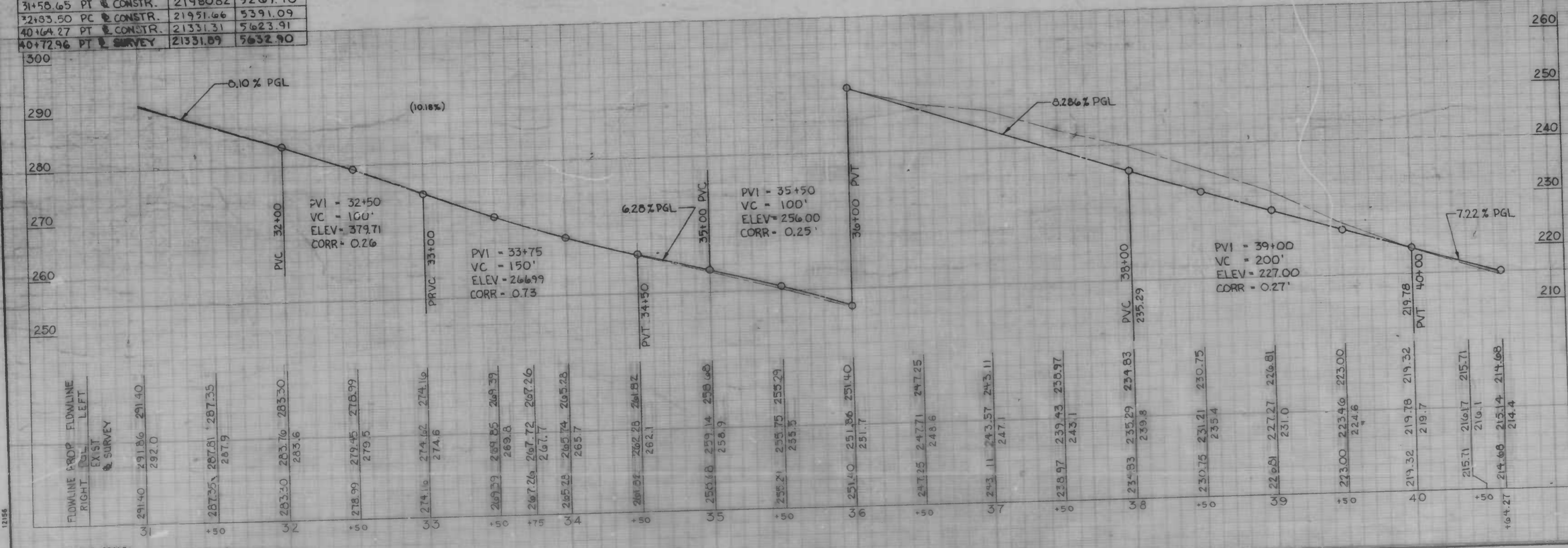
POINT DESCRIPTION	ROADWAY COORDINATES	
	WEST	NORTH
31+36.12 PT & SURVEY	21992.33	5251.76
32+06.03 PC & SURVEY	21957.13	5398.25
31+50.65 PT & CONSTR.	21980.82	5269.70
32+03.50 PC & CONSTR.	21951.66	5391.09
40+14.27 PT & CONSTR.	21331.31	5623.91
40+72.96 PT & SURVEY	21331.89	5632.90

NUMBER	CURVE DATA - CONSTRUCTION					
	Δ	D	R	T	L	C
NO. 9	111° 50' 13"	14.324'	400.00'	591.21'	780.77'	662.59'

NUMBER	CURVE DATA - SURVEY					
	Δ	D	R	T	L	C
NO. 10	111° 50' 13"	14.211'	403.16'	595.88'	786.93'	667.82'

PLAN SCALE  
 1" = 40.0'



CITY OF BALTIMORE  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF HIGHWAYS  
 CONTRACT NO. 306B

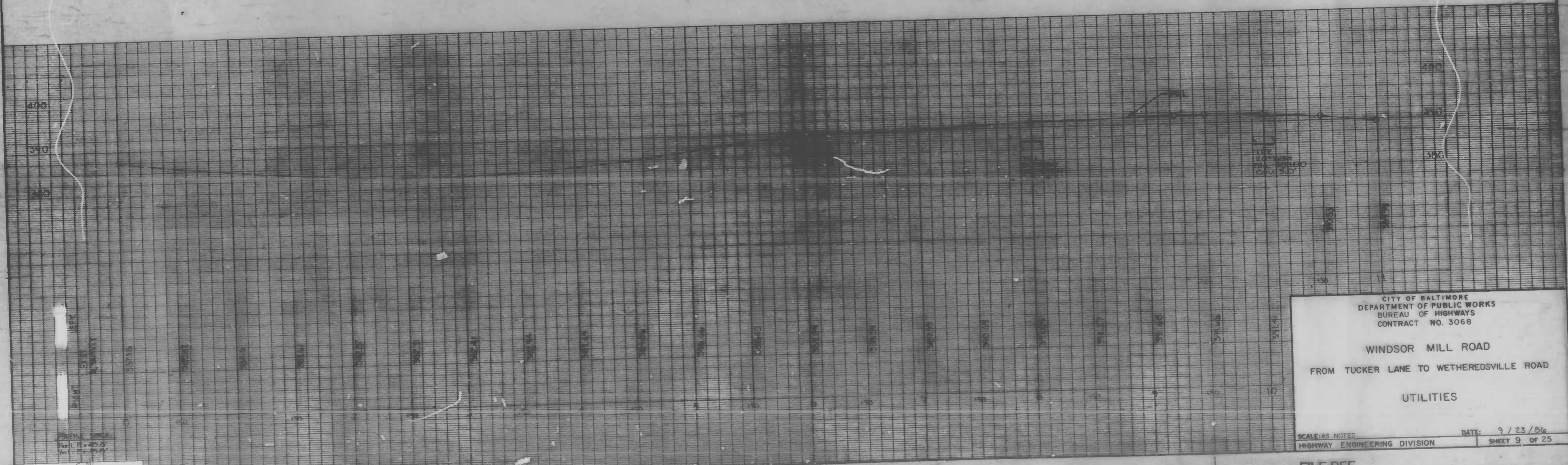
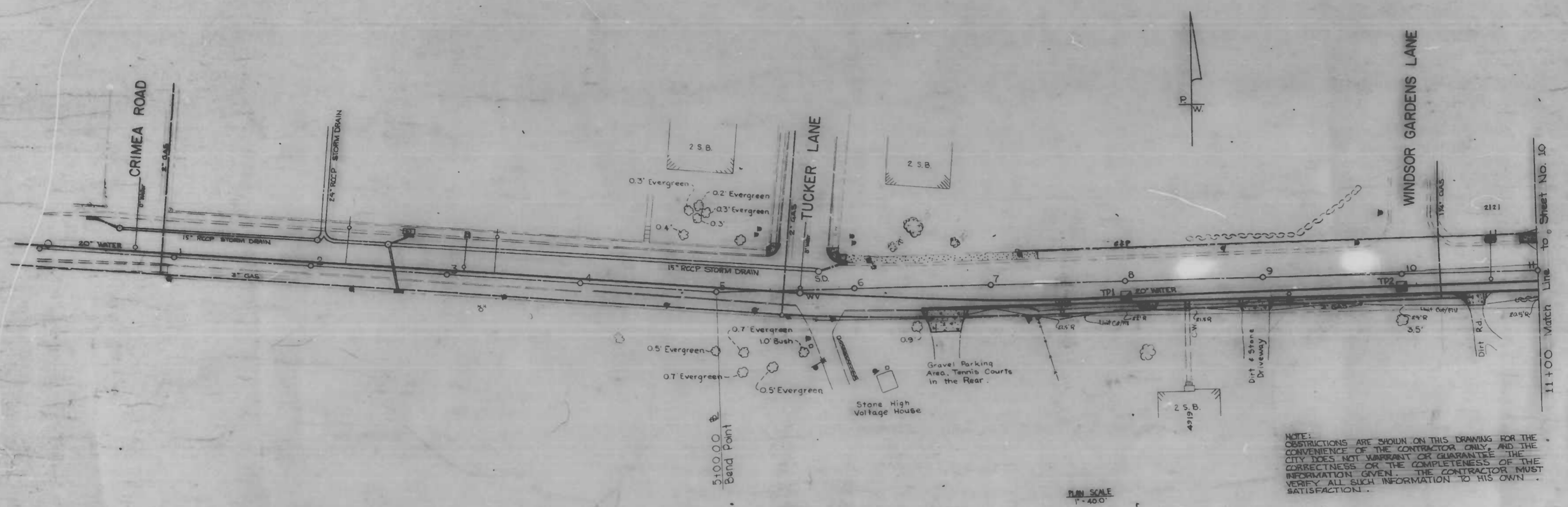
WINDSOR MILL ROAD  
 FROM TUCKER LANE TO WETHEREDSVILLE ROAD

PLAN AND PROFILE

SCALE: AS NOTED  
 DATE: 9/23/86  
 HIGHWAY ENGINEERING DIVISION  
 SHEET 7 OF 25

FILE REF.

REVISIONS			
NO.	DESCRIPTION	DATE	BY



CITY OF BALTIMORE  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF HIGHWAYS  
 CONTRACT NO. 3068

WINDSOR MILL ROAD  
 FROM TUCKER LANE TO WETHEREDSVILLE ROAD

UTILITIES

SCALE: AS NOTED DATE: 9/23/56  
 HIGHWAY ENGINEERING DIVISION SHEET 9 OF 25

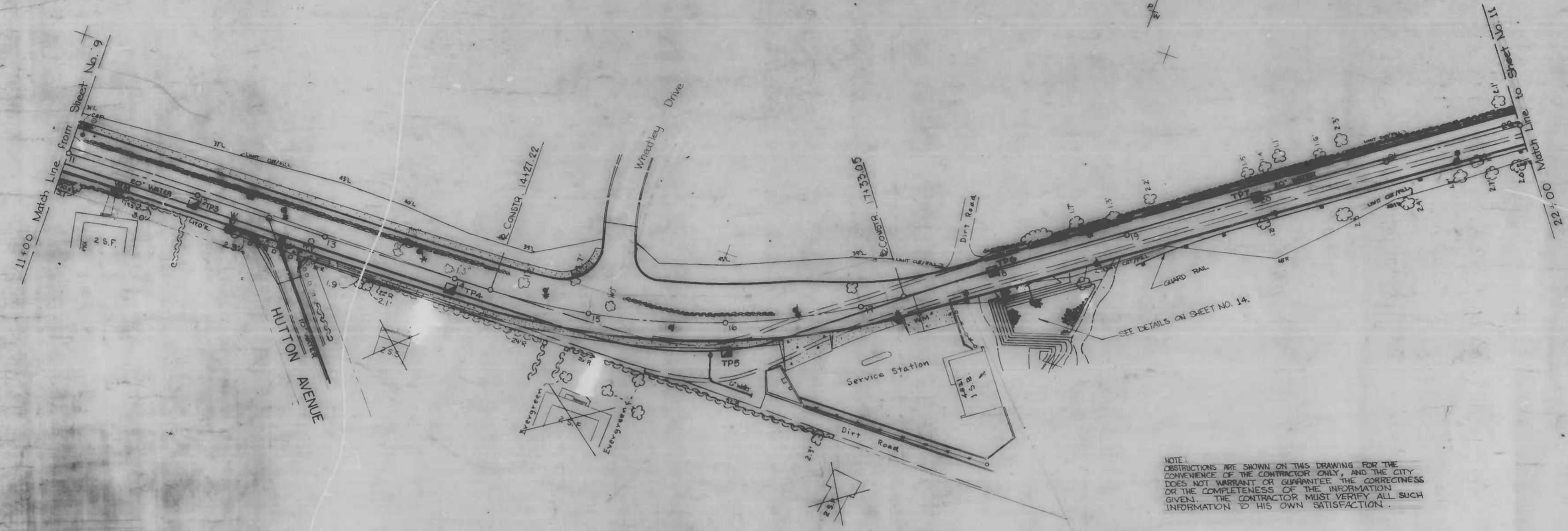
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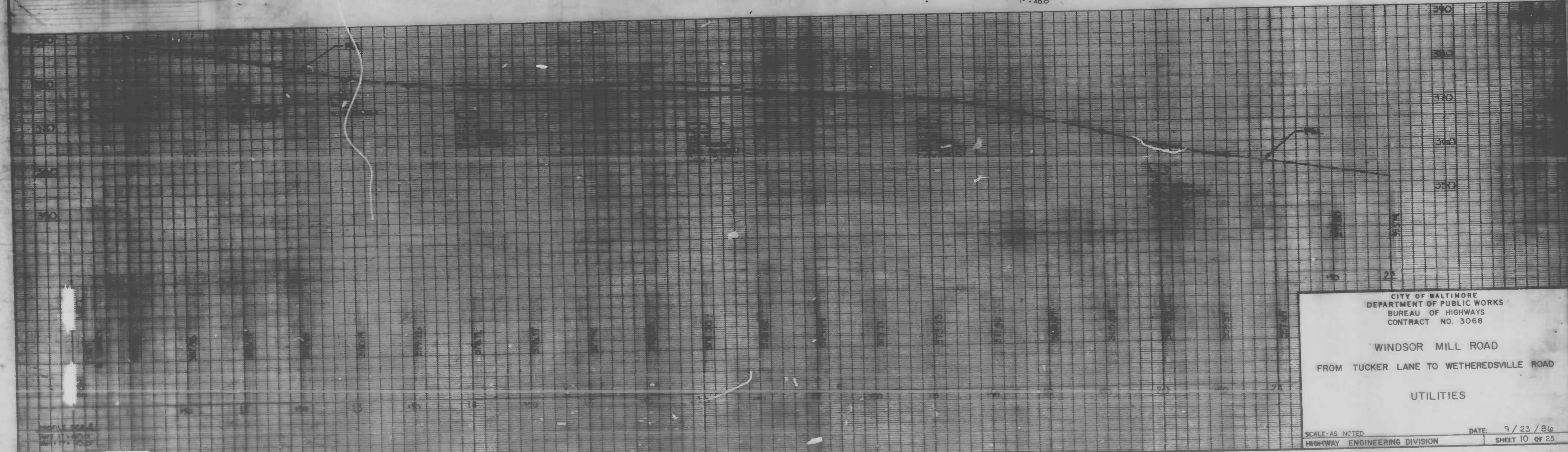
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REVISIONS		
NO.	DESCRIPTION	DATE



NOTE:  
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 CONVENIENCE OF THE CONTRACTOR ONLY, AND THE CITY  
 DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS  
 OR THE COMPLETENESS OF THE INFORMATION  
 GIVEN. THE CONTRACTOR MUST VERIFY ALL SUCH  
 INFORMATION TO HIS OWN SATISFACTION.

PLAN SCALE  
 1" = 40'



CITY OF BALTIMORE  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF HIGHWAYS  
 CONTRACT NO. 3068

WINDSOR MILL ROAD  
 FROM TUCKER LANE TO WETHEREDSVILLE ROAD

UTILITIES

SCALE: AS NOTED DATE: 9/23/86  
 HIGHWAY ENGINEERING DIVISION SHEET 10 OF 25

DRAWN BY: *[Signature]*  
 EXAMINED BY: *[Signature]*

FILE REF.

FILE REF.

REVISIONS		
NO.	DESCRIPTION	DATE BY

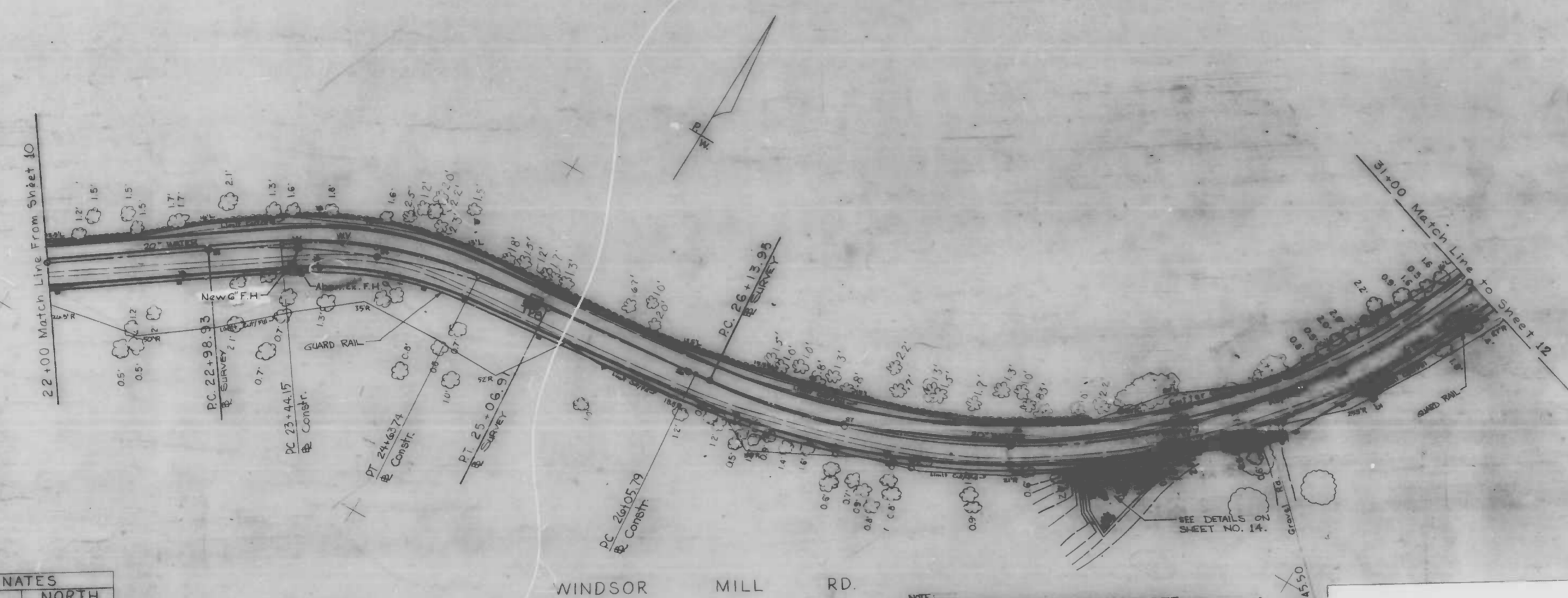
WATER NOTES

1. NOTIFY THE BUREAU OF WATER & WASTE WATER MAINTENANCE DIVISION AT 356-0245 ONE WEEK BEFORE STARTING WORK.
2. ALL EXISTING WATER VALVES SHALL BE OPERATED BY THE BUREAU OF WATER & WASTE WATER MAINTENANCE DIVISION FORCES ONLY.
3. ALL FIRE HYDRANT RELOCATIONS SHALL BE DONE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE BOOK OF STANDARDS.
4. CONTRACTOR SHALL OBSERVE EXTREME CAUTION WHEN WORKING NEAR OR OVER EXISTING WATER FACILITIES.

WORKING PRESSURE.....165 P.S.I.  
TEST PRESSURE.....247 P.S.I.



PLAN SCALE  
1" = 40.0'

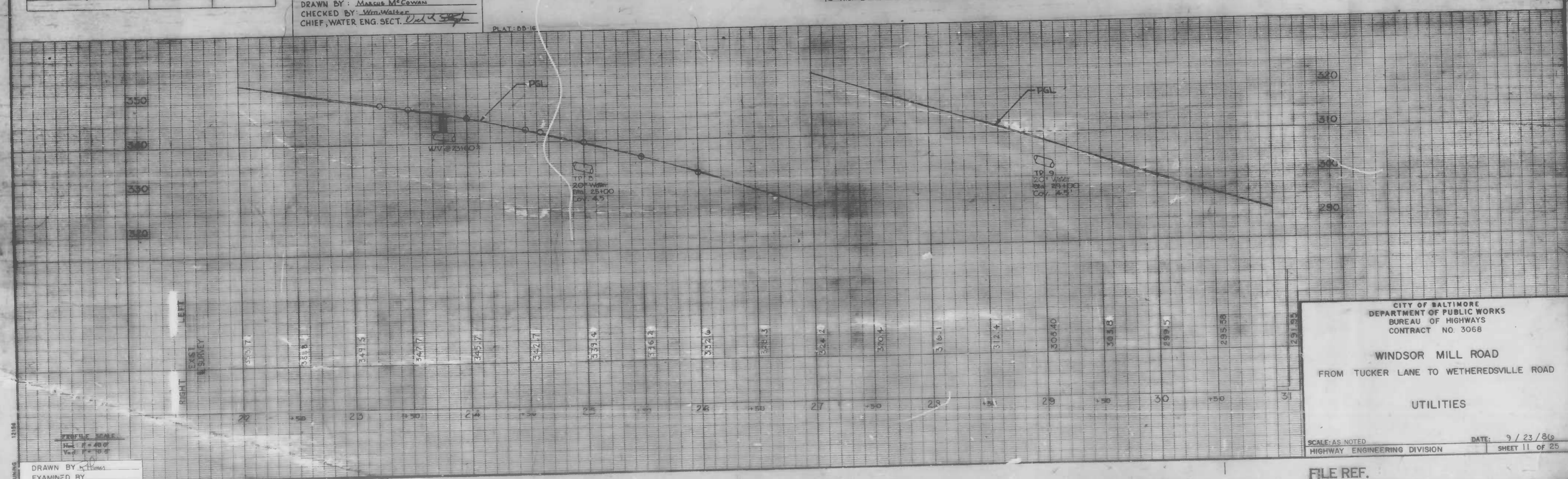


ROADWAY COORDINATES		
POINT DESCRIPTION	WEST	NORTH
22+98.93 - P.C. & Survey	22658.86	4843.42
25+06.91 - P.T. & Survey	22466.87	4917.09
26+13.95 - P.C. & Survey	22360.43	4928.46

WATER ENGINEERING DIVISION E.C.C.

DRAWN BY: *Markus McCowan*  
CHECKED BY: *Min Walters*  
CHIEF, WATER ENG. SECT. *David [Signature]*

NOTE:  
CONSTRUCTIONS ARE SHOWN ON THIS DRAWING FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND THE CITY DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION GIVEN. THE CONTRACTOR MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION.



CITY OF BALTIMORE  
DEPARTMENT OF PUBLIC WORKS  
BUREAU OF HIGHWAYS  
CONTRACT NO. 3066

WINDSOR MILL ROAD  
FROM TUCKER LANE TO WETHERSDVILLE ROAD

UTILITIES

SCALE: AS NOTED  
HIGHWAY ENGINEERING DIVISION

DATE: 9/23/86  
SHEET 11 OF 25

PROFILE SCALE  
1" = 40.0'  
VERT. 1" = 10.0'

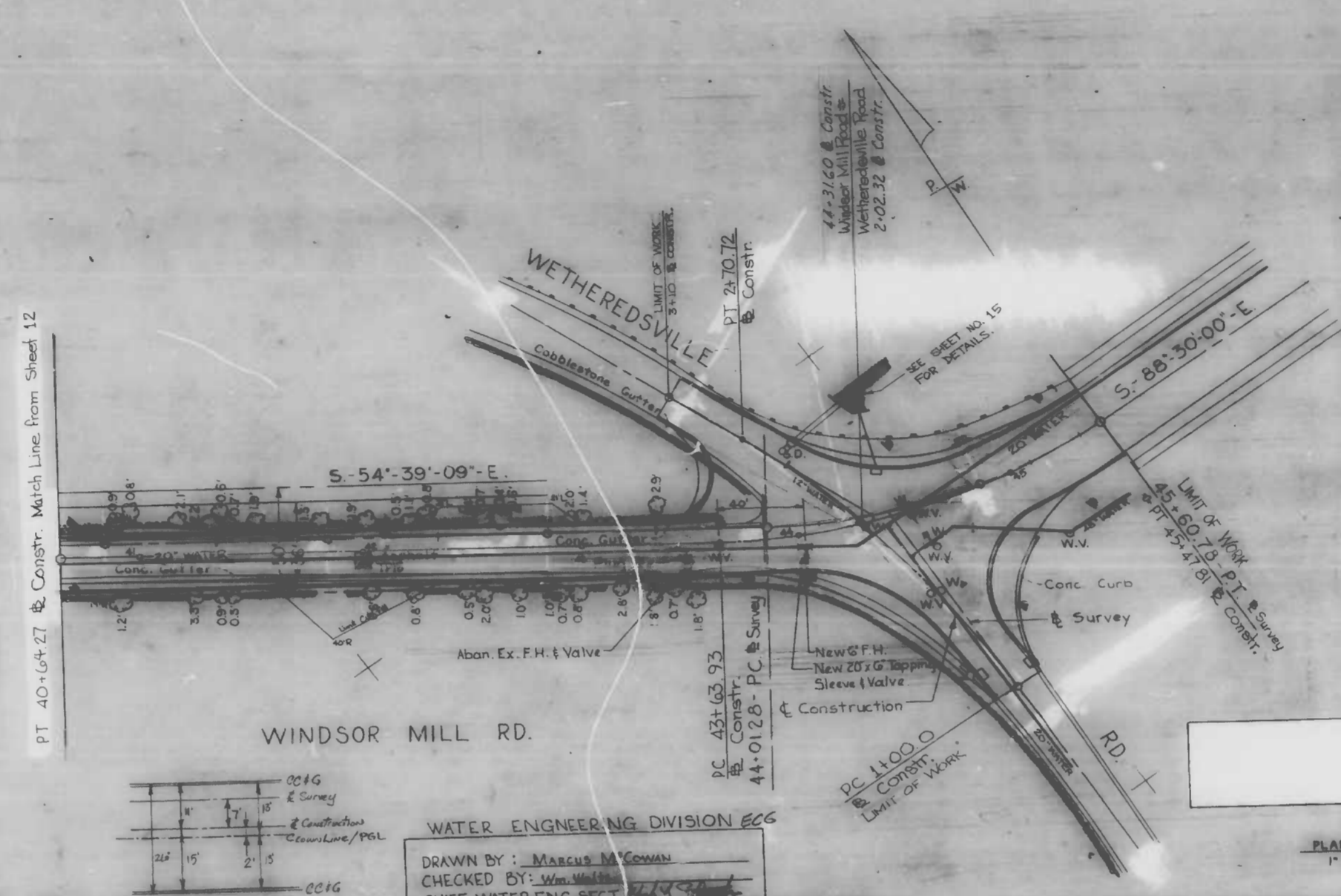
DRAWN BY: *[Signature]*  
EXAMINED BY: *[Signature]*

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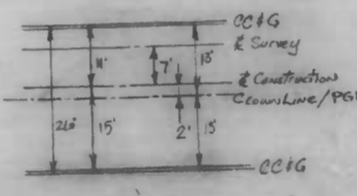
FILE REF.

REVISIONS		
NO.	DESCRIPTION	DATE BY

WINDSOR MILL ROAD ROADWAY COORDINATES			
POINT DESCRIPTION	WEST	NORTH	
40+72.96 -PT. B Survey	21331.09	5632.90	
44+01.28 PC B Survey	21064.10	5442.95	
45+60.76 PT. B Survey	20914.96	5393.27	



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WATER ENGINEERING DIVISION  
 DRAWN BY: MARCUS M. FOWAN  
 CHECKED BY: Wm. W. [Signature]  
 CHIEF, WATER ENG. SECT.

PLAN SCALE:  
1" = 40.0'



PROFILE SCALE:  
Hor. 1" = 40.0'  
Vert. 1" = 10.0'

CITY OF BALTIMORE  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF HIGHWAYS  
 CONTRACT NO. 3068

WINDSOR MILL ROAD  
 FROM TUCKER LANE TO WETHEREDSVILLE ROAD

UTILITIES

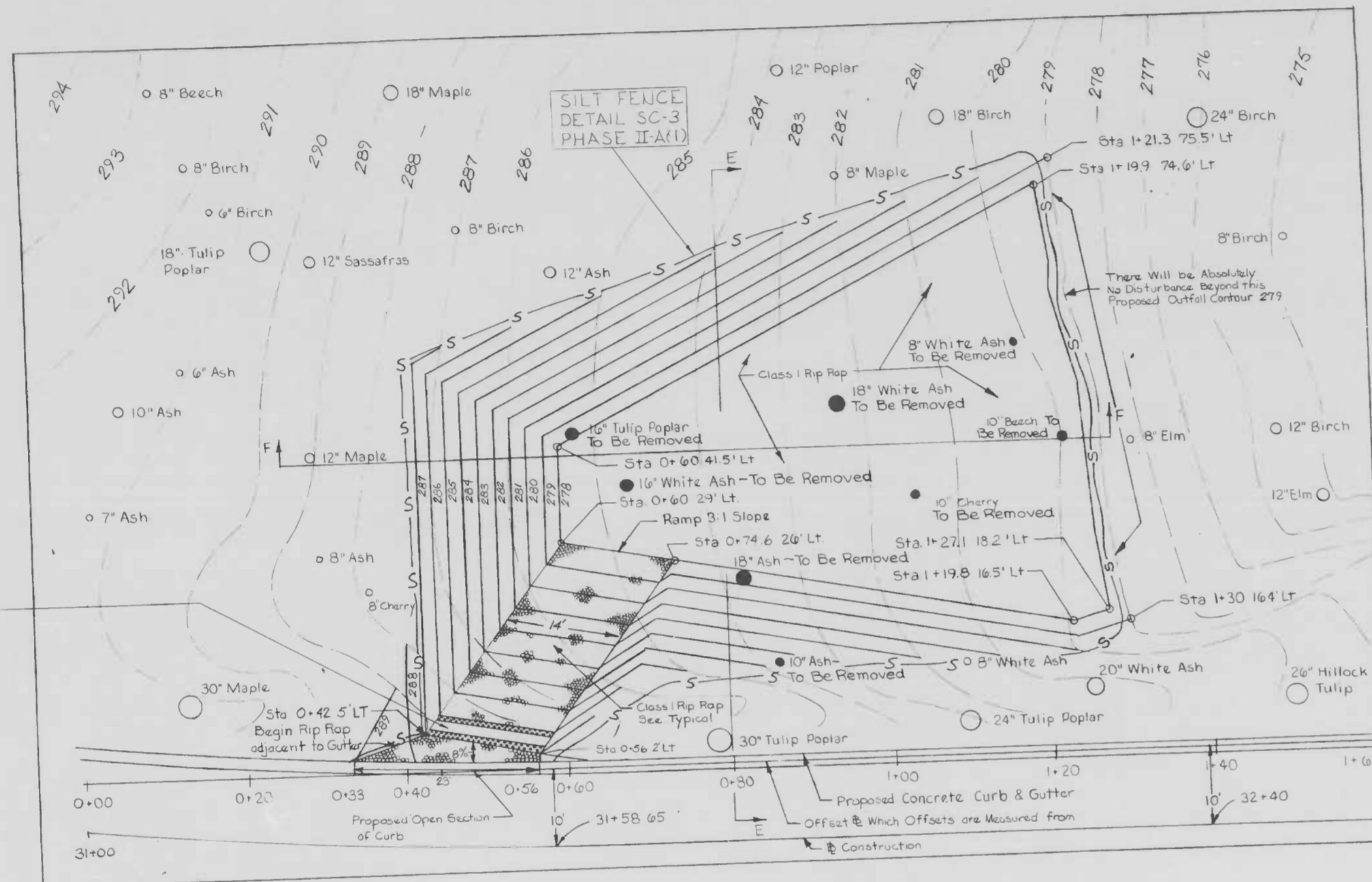
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 HIGHWAY ENGINEERING DIVISION  
 DATE: 9/23/36  
 SHEET 13 OF 25

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 EXAMINED BY: [Signature]

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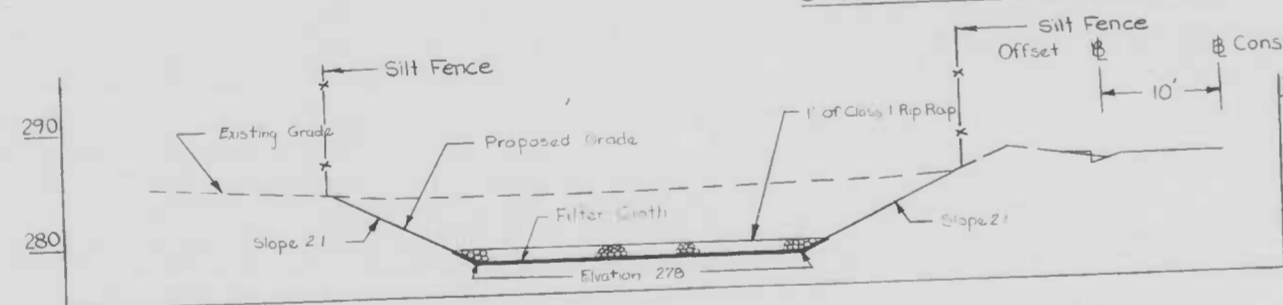
FILE REF. ESD 80-310

REVISIONS		
NO.	DESCRIPTION	DATE BY

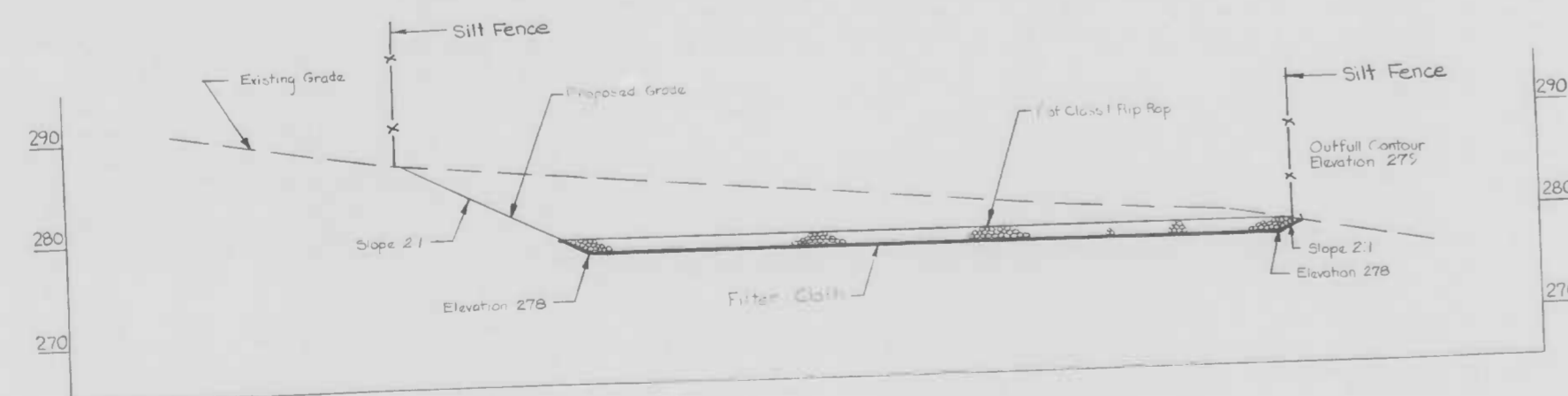


STONE BERM  
DETAIL SC-3  
PHASE II-A (3)  
TO BE REMOVED  
WHEN PERMANENT  
PAVING IS COMPLETE

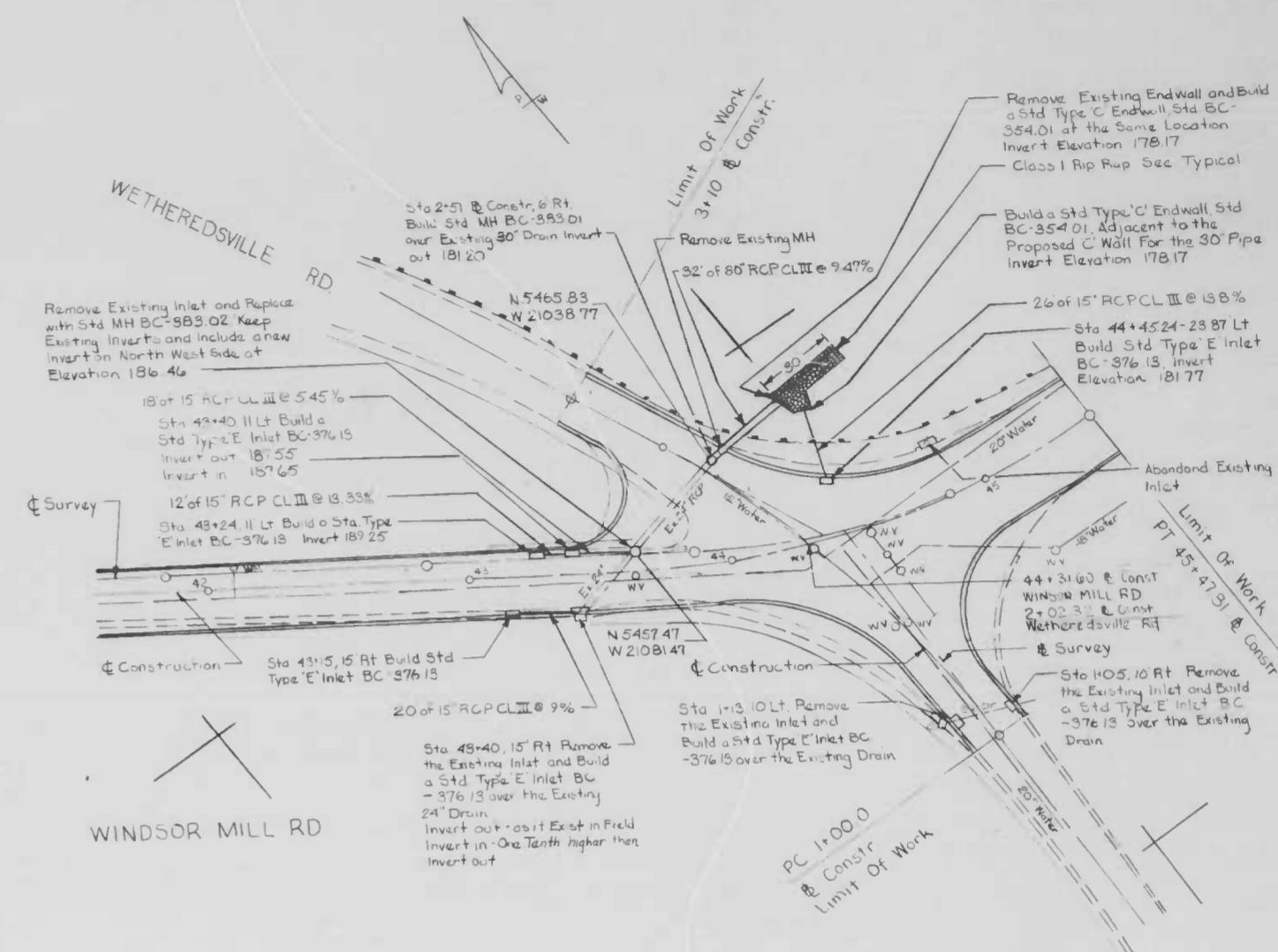
STATION 31+35 TO STATION 32+30



SECTION E-E



SECTION F-F



CITY OF BALTIMORE  
DEPARTMENT OF PUBLIC WORKS  
BUREAU OF HIGHWAYS  
CONTRACT No. 3068

WINDSOR MILL ROAD  
From Tucker Lane to Wethersville Road

STORM WATER PLANS  
Drainage Outfall Areas

SCALE: 1"=10' DATE: JUNE 1986  
ENVIRONMENTAL SERVICES DIVISION SHEET 15 OF 25

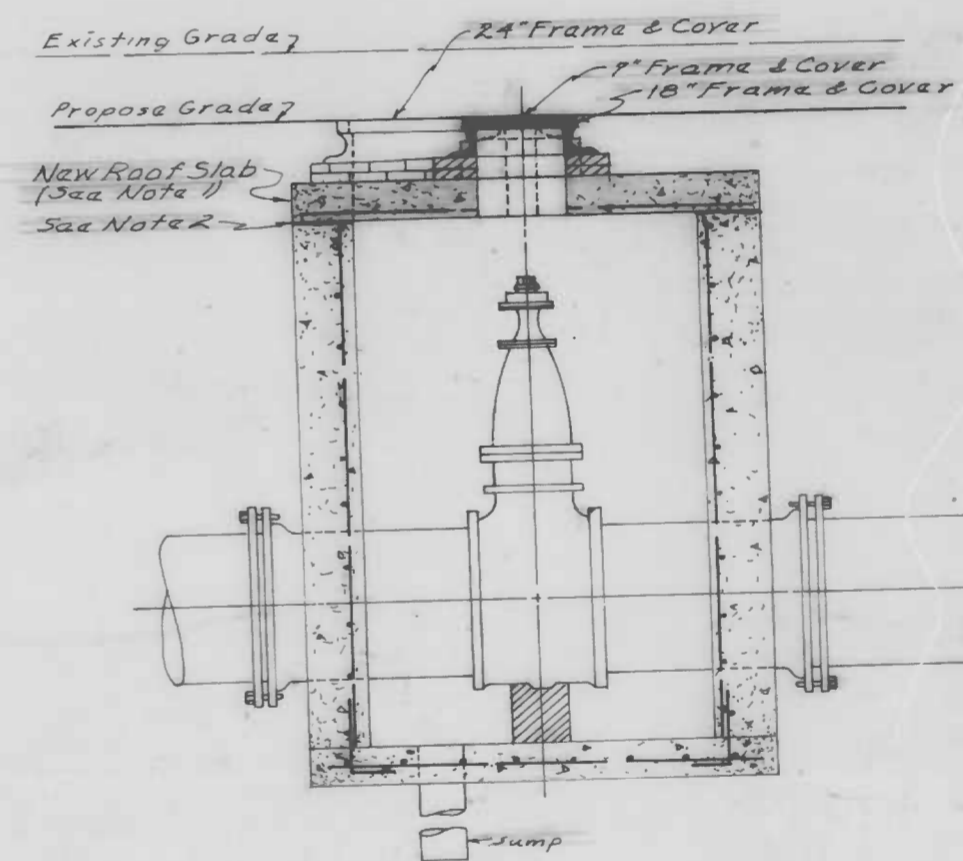
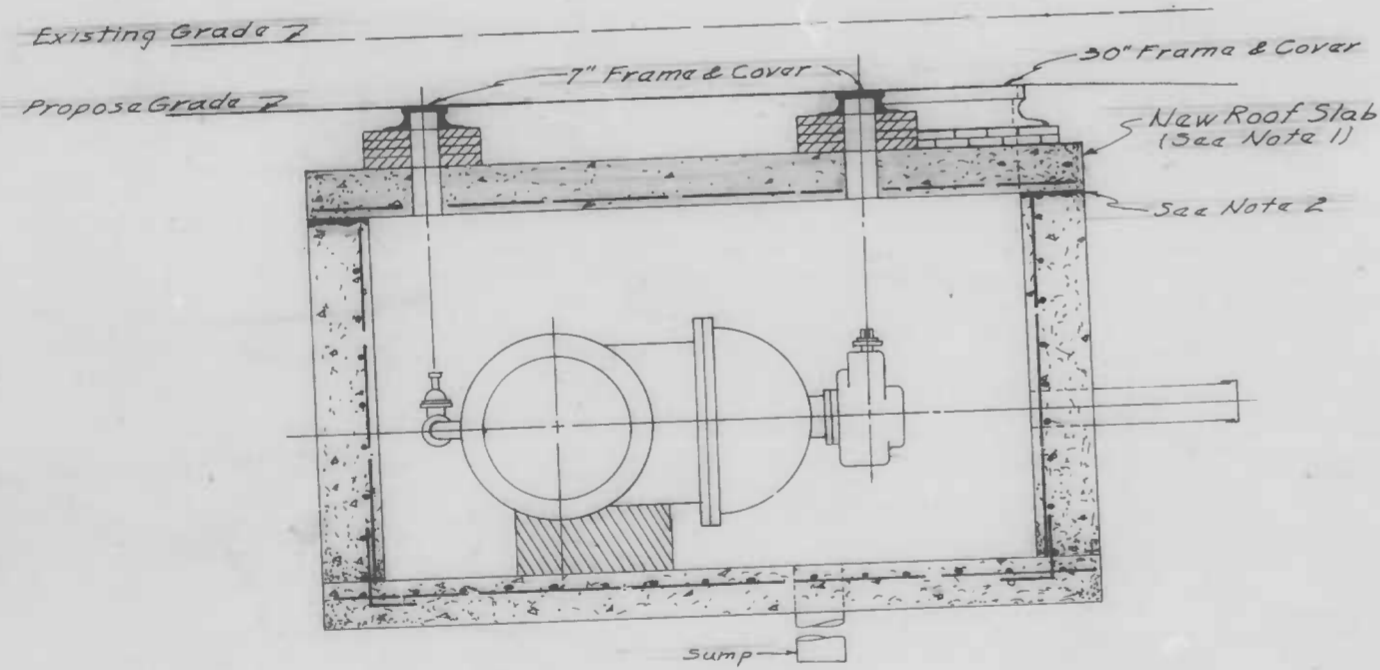
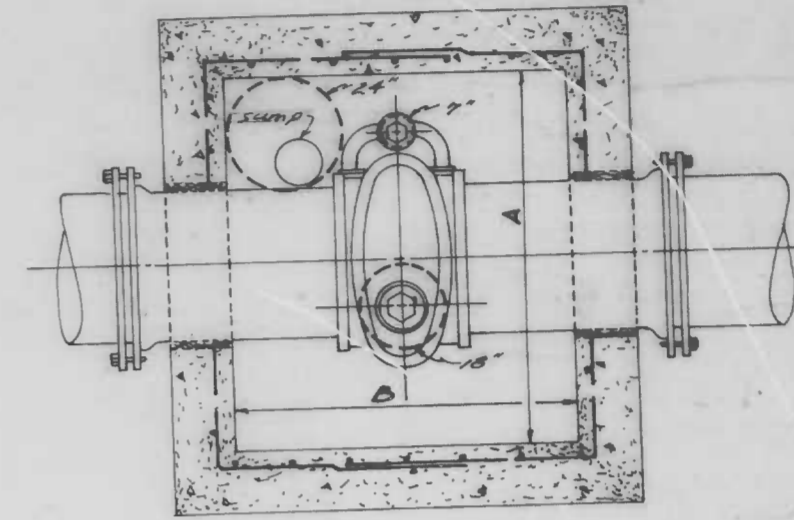
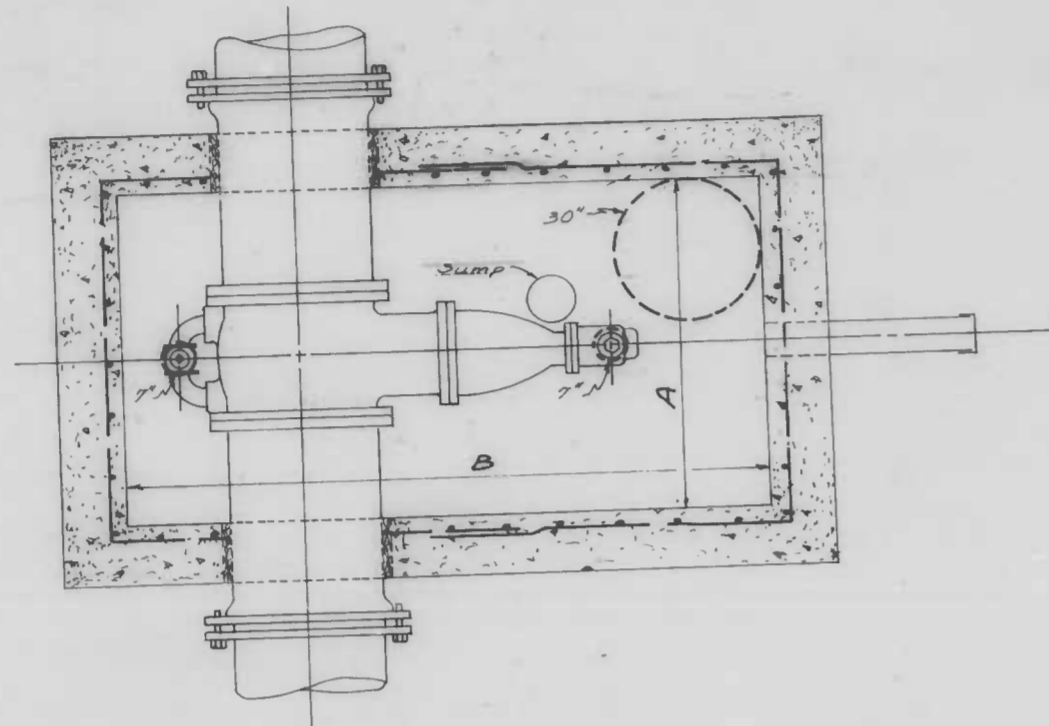
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DRAWN BY WSB-DBM  
EXAMINED BY

HEWLETT & EDDY 9-4952

7601-M

APPROVAL		REVISIONS		DATE	BY
W.W.	NO.	DESCRIPTION			
C.&P.					
G.&E.					
COND.					



NOTES:  
 1. For Vert. & Hor. Top Slab Reint. Details Use Standards Plates Shown in Table Below  
 2. Cement Mortar shall be used to level the top of the wall surfaces.

HORIZONTAL VALVE VAULT

VERTICAL VALVE VAULT

HORIZONTAL & VERTICAL VALVE VAULTS TABLE								
VALVES	STATION	DIM. "A"	DIM. "B"	SLAB THICKNESS	EI. BOTTOM OF EX. SLAB	EI. BOTTOM OF PROP. SLAB	LOWER	STANDARD
HOR. 20"	44+59 44+56	4.65'	8.60'	11"	185.65	184.33	1.32'	BC836.01-02
HOR. 20"	44+51 44+56	4.90'	8.20'	10"	184.18	183.81	0.37'	BC836.01-02
HOR. 36"	44+54 44+52	4.65'	8.60'	10"	186.29	184.97	1.32'	BC836.01-02
VERT. 16"	43+65	4.80'	4.80'	8"	189.44	188.31	1.13'	BC836.05-06
VERT. 16"	23+80	5.00'	5.00'	8"	345.64	344.63	1.01'	BC836.05-06
VERT. 12"	44+32	SECT.	SECT.	4"	186.99	185.49	1.50'	BC890.01-02 03-06-07-08

DRAWN BY	PIPE	COMPLETED
ROBERTS		
CHECKED BY	CLASS	REVISED
ENGINEERED BY	JOINT	
PLAT. NO.	COVER	

CITY OF BALTIMORE  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF HIGHWAYS  
 CONTRACT NO. 306B  
 WINDSOR MILL ROAD  
 FROM TUCKER LANE TO WETHERSVILLE ROAD  
 WATER DETAILS  
 SCALE: NO SCALE DATE: 9/23/86  
 HIGHWAY ENGINEERING DIVISION SHEET 16 OF 25

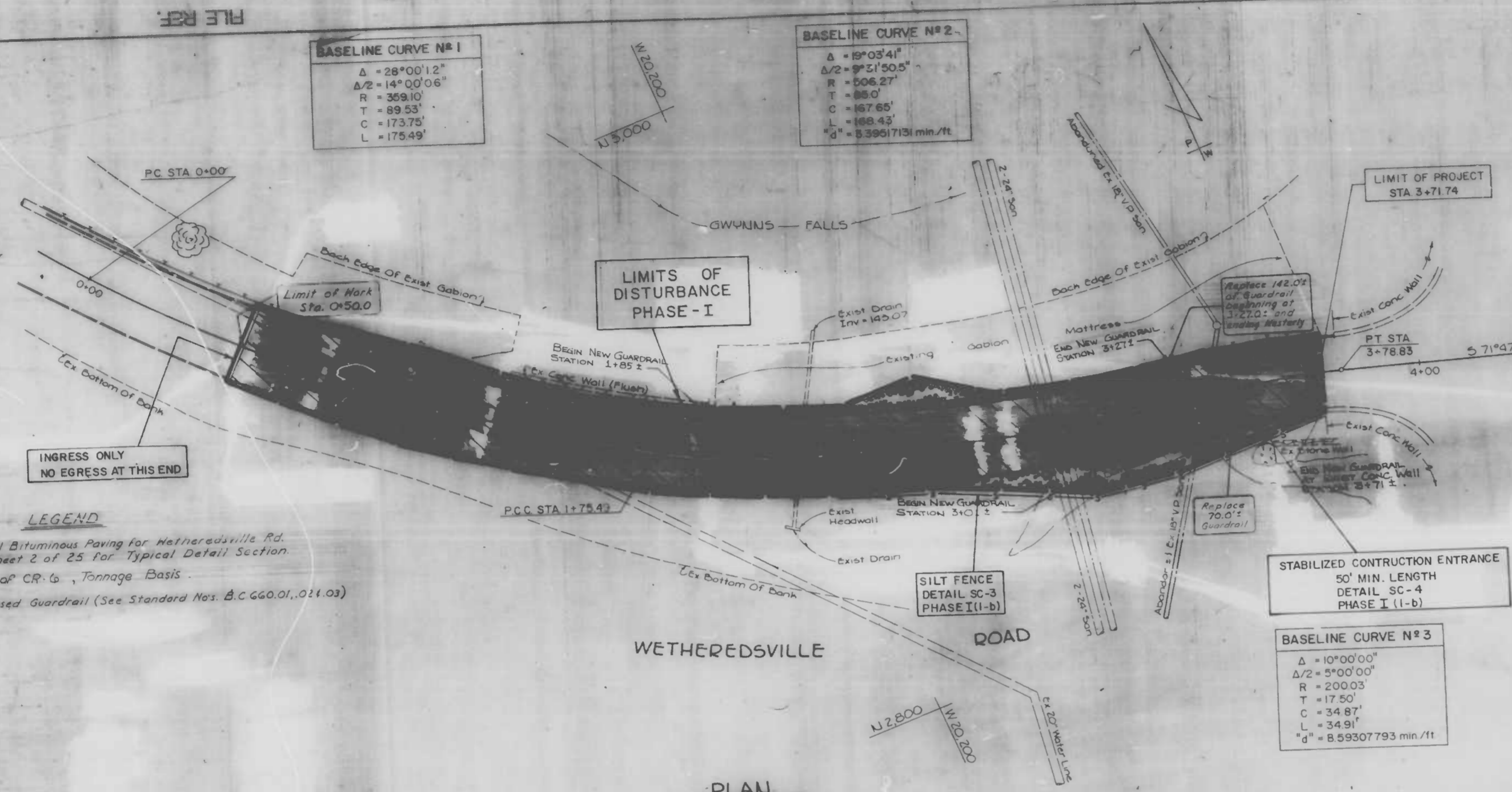
W-109B

REVISIONS		
NO.	DESCRIPTION	DATE

BASELINE COORDINATES		
STATION	WEST	NORTH
0+00.0	-20374.025	+3020.602
1+75.49 PC	-20243.418	+2806.012
3+47.88 PRC	-20083.752	+2804.952
3+78.85 PT	-20049.784	+2846.889

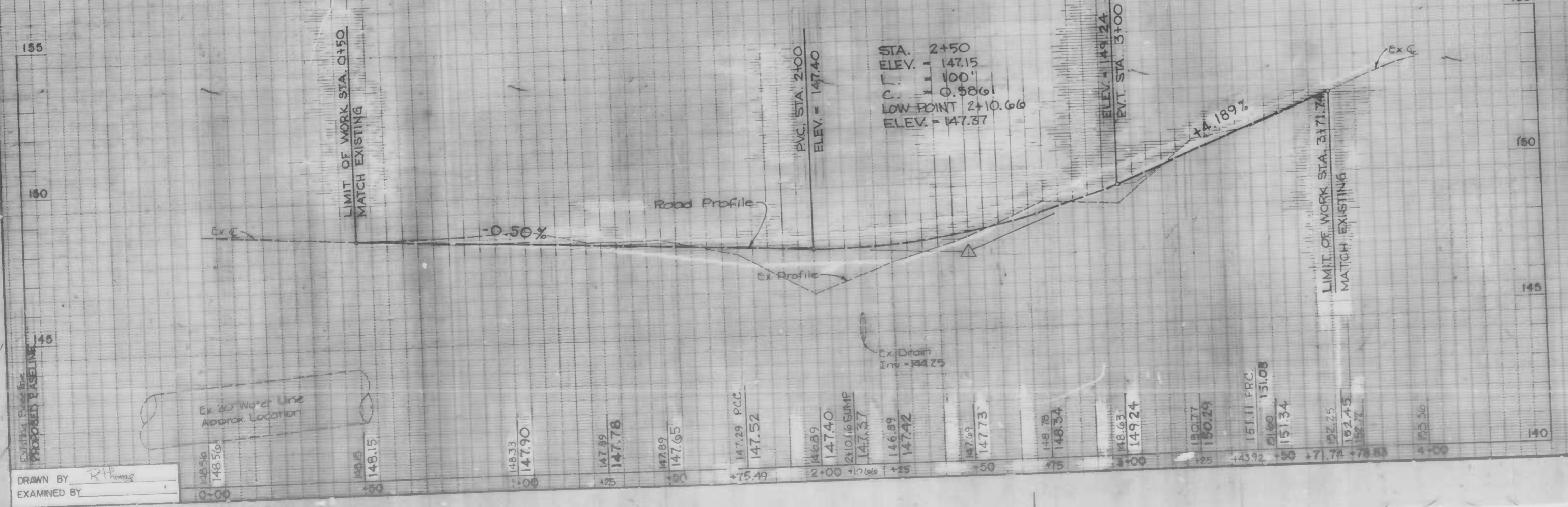
SHOULDER AREA (CR-6) (DISTANCE FROM EDGE OF ROAD)		
Station	Left	Right
0+00	0.00	0.00
1+00	3.0'	0.00
1+25	3.0'	0.00
1+50	1.0'	0.00
1+75.49	1.0'	1.0'
2+00	1.0'	1.0'
2+25	1.0'	1.0'
2+50	9.0'	1.0'
2+75	1.0'	4.0'
3+00	1.0'	9.0'
3+25	1.0'	6.0'
3+43.92	1.0'	5.0'
3+71.74	0.00	0.00

OBSTRUCTIONS AS SHOWN ON THIS DRAWING ARE ONLY FOR THE CONVENIENCE OF THE CONTRACTOR AND THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION MUST BE VERIFIED BY THE CONTRACTOR TO HIS OWN SATISFACTION.



**LEGEND**  
 Typical Bituminous Paving for Wetheredsville Rd. See sheet 2 of 25 for Typical Detail Section.  
 Area of CR-6, Tonnage Basis.  
 Proposed Guardrail (See Standard Nos. B.C.G.00.01, 02, 03)

BASELINE PROFILE



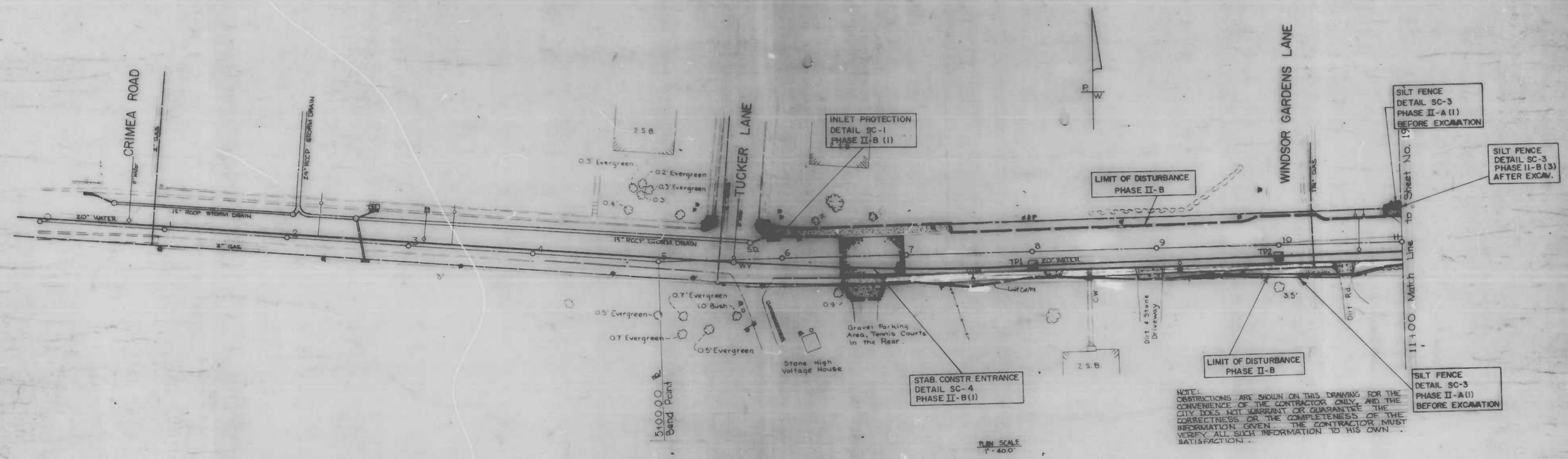
CITY OF BALTIMORE  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF HIGHWAYS  
 CONTRACT NO. 3068  
**WINDSOR MILL ROAD**  
 WETHEREDSVILLE ROAD  
 SOIL EROSION / SEDIMENT CONTROL PLAN  
 Plan 1"=20'  
 Profile Hor 1"=20'  
 Ver 1"=2'  
 SCALE: HIGHWAY ENGINEERING DIVISION  
 DATE: 9/23/86  
 SHEET 17 OF 25

DRAWN BY: K.H. [Signature]  
 EXAMINED BY: [Signature]

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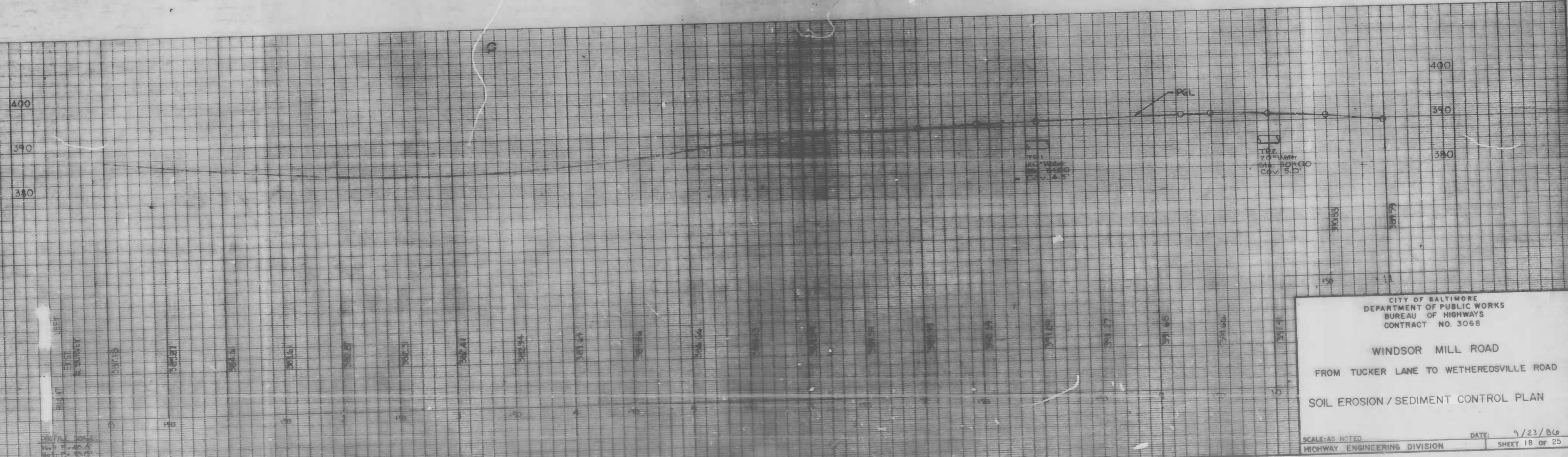
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REVISIONS			
NO.	DESCRIPTION	DATE	BY



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PLAN SCALE 1" = 40.0'



CITY OF BALTIMORE  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF HIGHWAYS  
 CONTRACT NO. 3068

WINDSOR MILL ROAD  
 FROM TUCKER LANE TO WETHEREDSVILLE ROAD

SOIL EROSION / SEDIMENT CONTROL PLAN

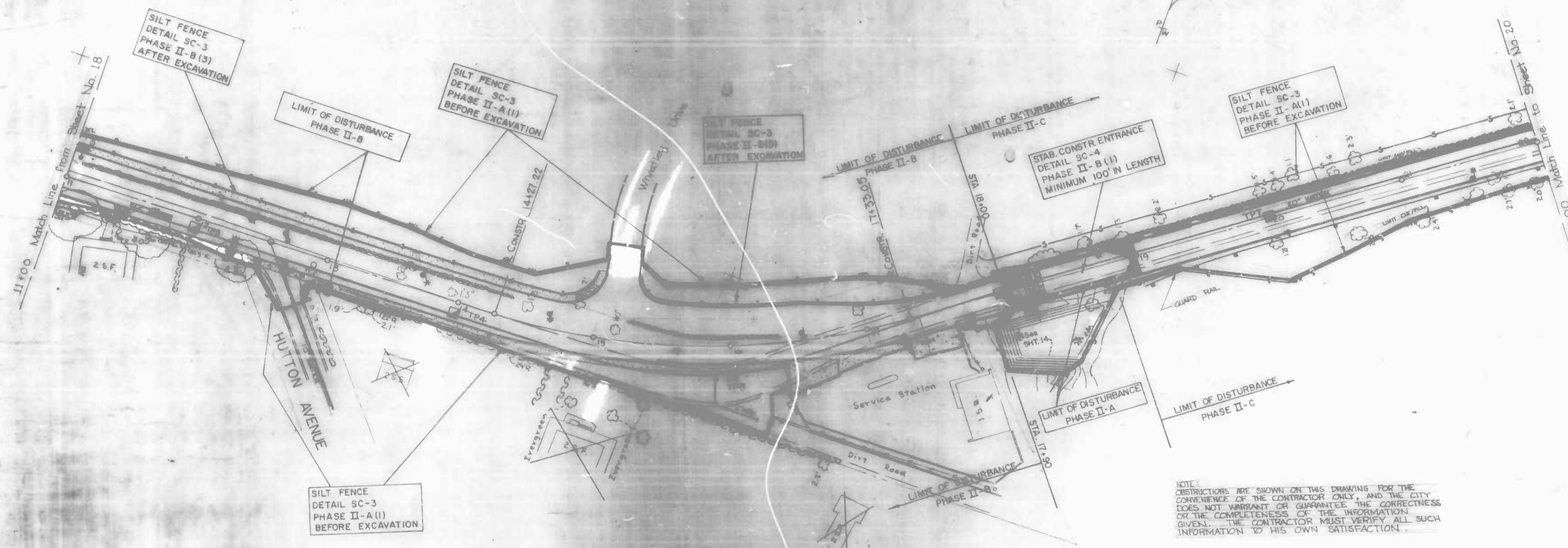
SCALE: AS NOTED DATE: 9/23/86  
 HIGHWAY ENGINEERING DIVISION SHEET 18 OF 25

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 EXAMINED BY

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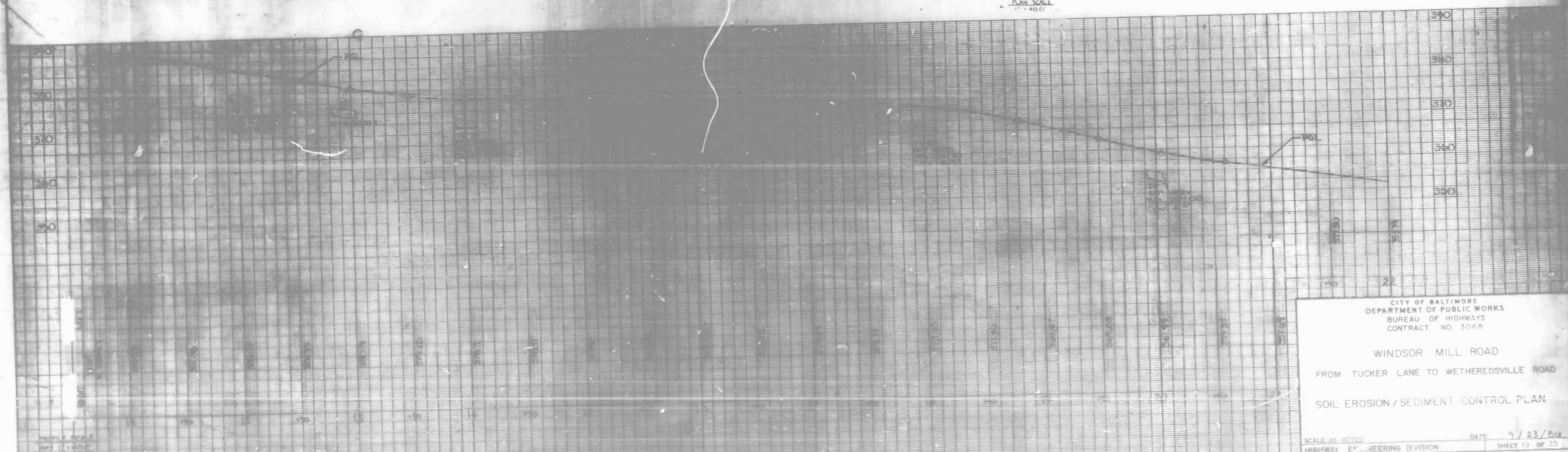
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REVISIONS	
NO.	DESCRIPTION



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PLAN SCALE  
1" = 40'



CITY OF BALTIMORE  
DEPARTMENT OF PUBLIC WORKS  
BUREAU OF HIGHWAYS  
CONTRACT NO. 3068

WINDSOR MILL ROAD  
FROM TUCKER LANE TO WETHEREDSVILLE ROAD

SOIL EROSION / SEDIMENT CONTROL PLAN

SCALE AS SHOWN  
HIGHWAY ENGINEERING DIVISION

DATE: 9/23/86  
SHEET 13 OF 25

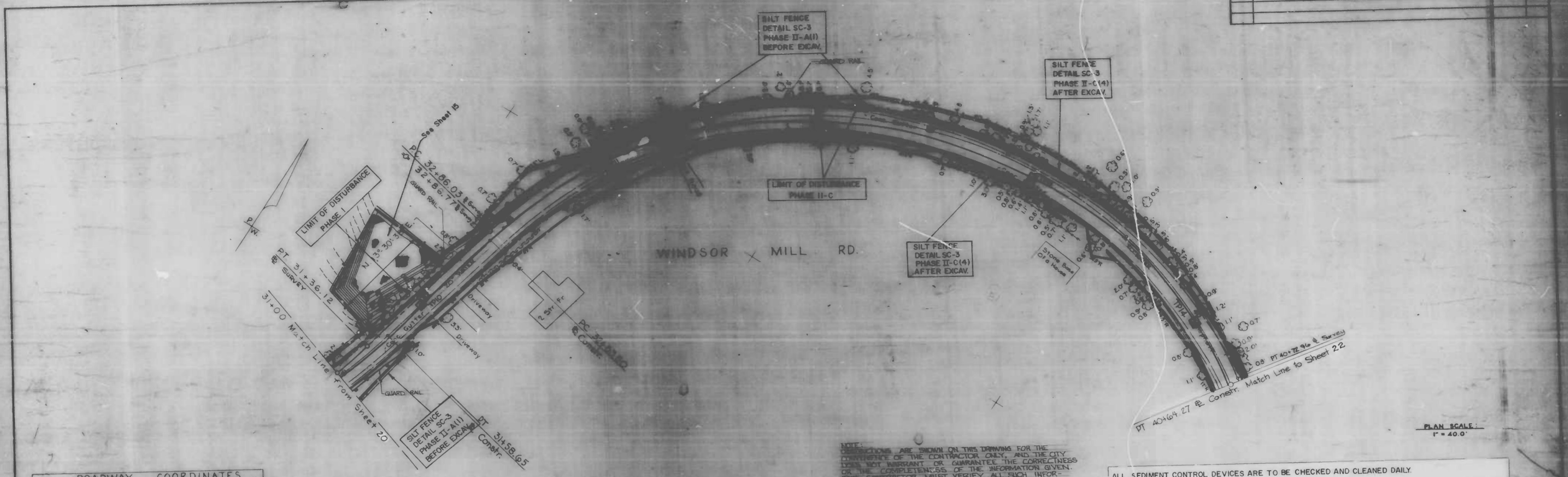
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FILE REF.



FILE REF.

REVISIONS	
NO.	DESCRIPTION

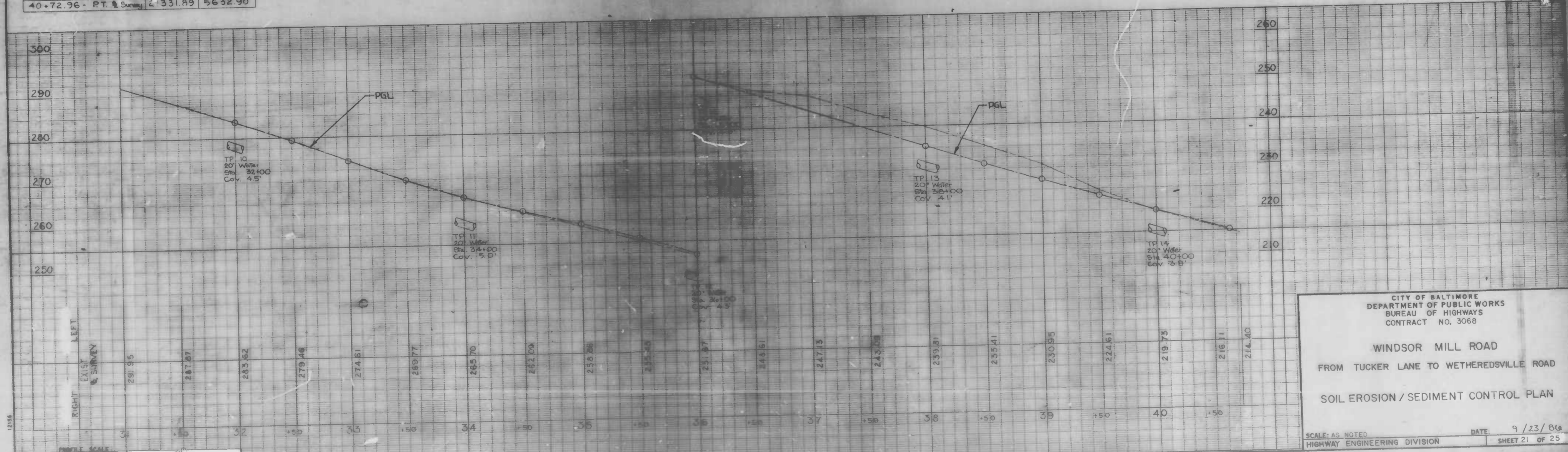


ROADWAY POINT DESCRIPTION	COORDINATES	
	WEST	NORTH
31+36.12 - P.T. Survey	21992.33	5251.76
32+86.03 - P.C. Survey	21957.13	5398.25
40+72.96 - P.T. Survey	21331.89	5632.90

NOTE: DIMENSIONS ARE SHOWN ON THIS DRAWING FOR THE CONVENIENCE OF THE CONTRACTOR ONLY, AND THE CITY MAKES NO WARRANTY OR GUARANTEE THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION GIVEN. THE CONTRACTOR MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION.

ALL SEDIMENT CONTROL DEVICES ARE TO BE CHECKED AND CLEANED DAILY.

PLAN SCALE: 1" = 40.0'



CITY OF BALTIMORE  
DEPARTMENT OF PUBLIC WORKS  
BUREAU OF HIGHWAYS  
CONTRACT NO. 3068

WINDSOR MILL ROAD  
FROM TUCKER LANE TO WETHEREDSVILLE ROAD

SOIL EROSION / SEDIMENT CONTROL PLAN

SCALE: AS NOTED  
HIGHWAY ENGINEERING DIVISION

DATE: 9/23/86  
SHEET 21 OF 25

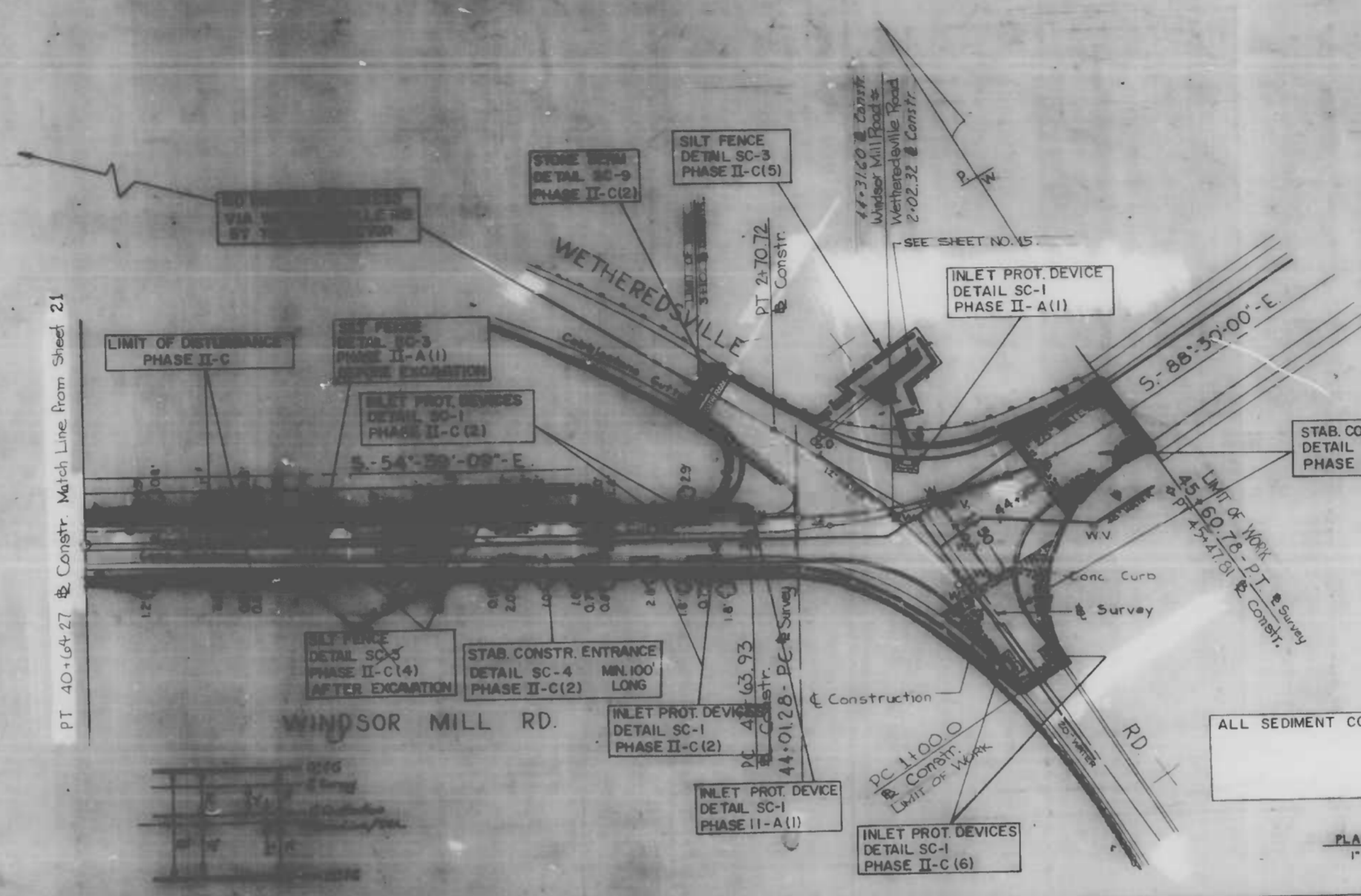
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EXAMINED BY

FILE REF.

FILE REF.

REVISIONS	
NO.	DESCRIPTION

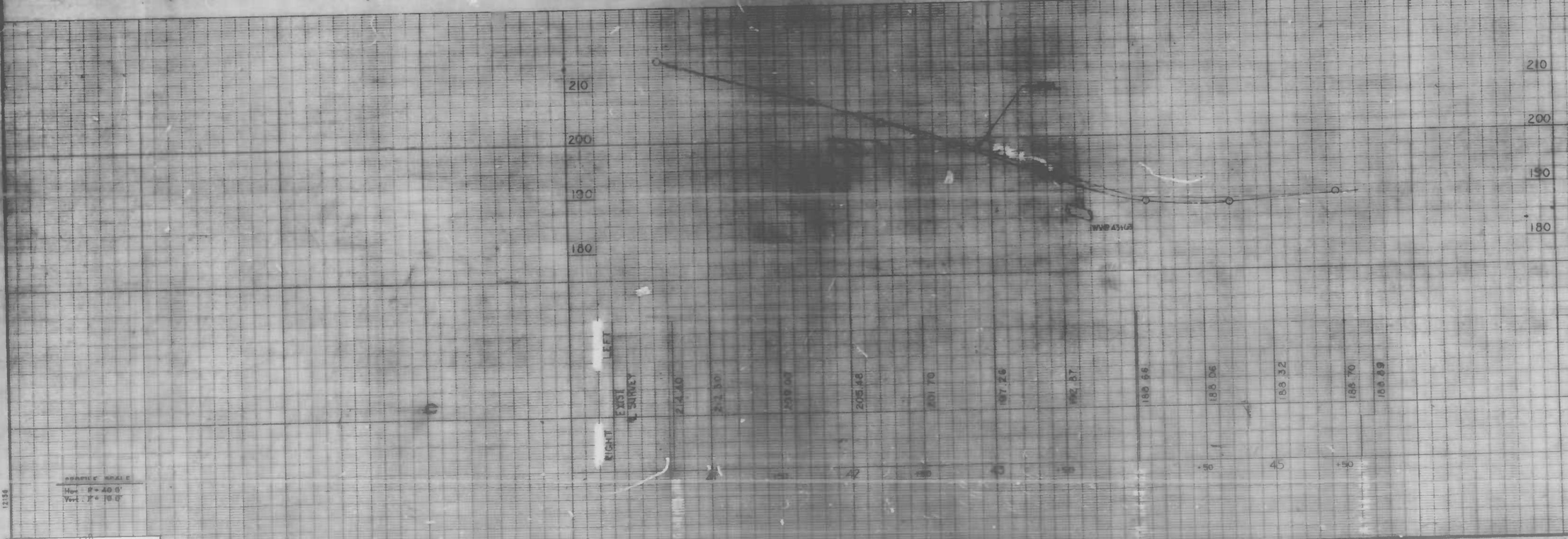
WINDSOR MILL ROAD			
ROADWAY		COORDINATES	
POINT DESCRIPTION	WEST	NORTH	
40+72.96 P.T. & Survey	21331.89	5632.90	
44+01.28 P.C. & Survey	21064.10	5442.95	
45+60.70 P.T. & Survey	20914.96	5393.27	



NOTE: OBSTRUCTIONS ARE SHOWN ON THIS DRAWING FOR THE CONVENIENCE OF THE CONTRACTOR ONLY, AND THE CITY DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION.

ALL SEDIMENT CONTROL DEVICES ARE TO BE CHECKED AND CLEANED DAILY.

PLAN SCALE: 1" = 40.0'



CITY OF BALTIMORE  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF HIGHWAYS  
 CONTRACT NO. 3068

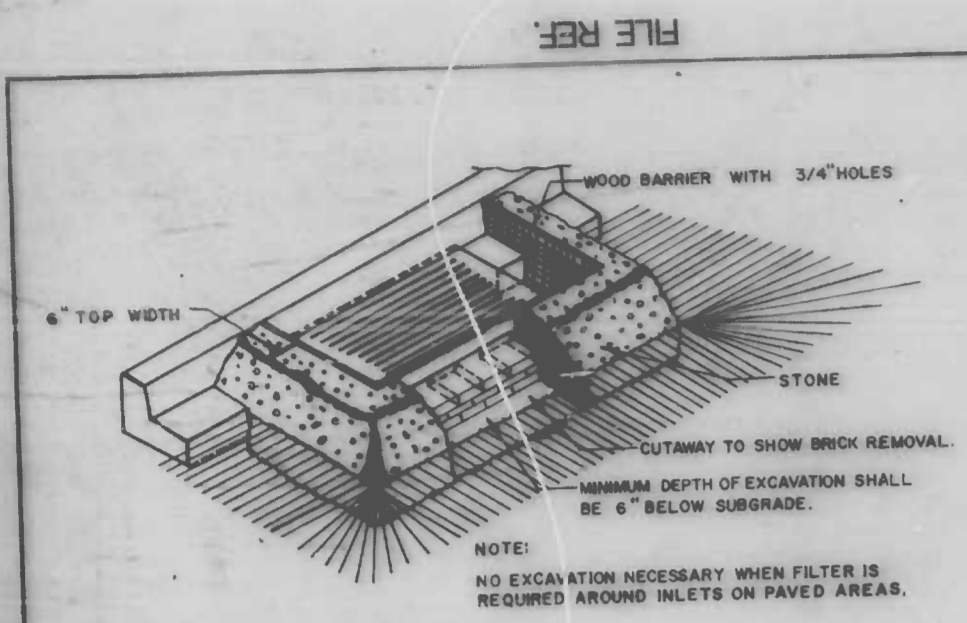
WINDSOR MILL ROAD  
 FROM TUCKER LANE TO WETHEREDSVILLE ROAD  
 SOIL EROSION / SEDIMENT CONTROL PLAN

SCALE: AS NOTED DATE: 9/23/86  
 HIGHWAY ENGINEERING DIVISION SHEET 22 OF 25

DRAWN BY: [Signature]  
 EXAMINED BY: [Signature]

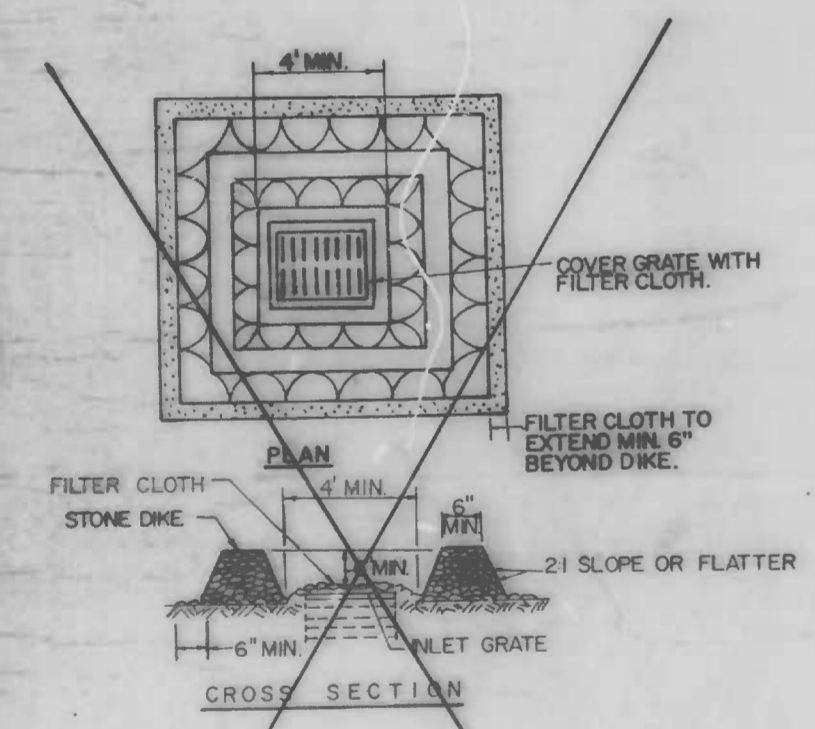
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REVISIONS			
NO.	DESCRIPTION	DATE	BY



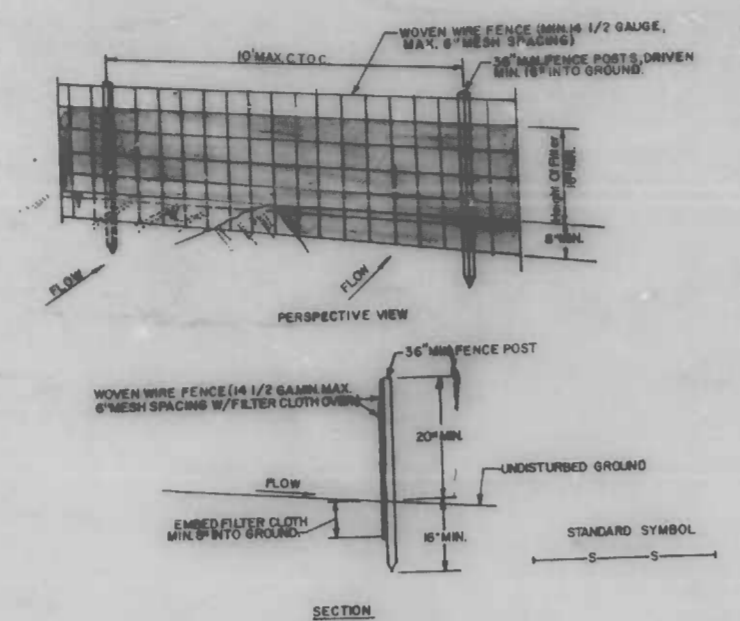
- CONSTRUCTION SPECIFICATIONS**
- Structure shall be inspected after each storm and repairs made as needed.
  - Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
  - The structure shall be removed when drainage area has been properly stabilized.
  - The crushed stone used in the outlet shall meet ASTM Designation M3 size no. 2 or 20 or its equivalent such as M30A no. 2. Gravel used for the above structure may be used if crushed stone is not available. Crusher run is not acceptable.

**INLET PROTECTION  
DETAIL SC-1**



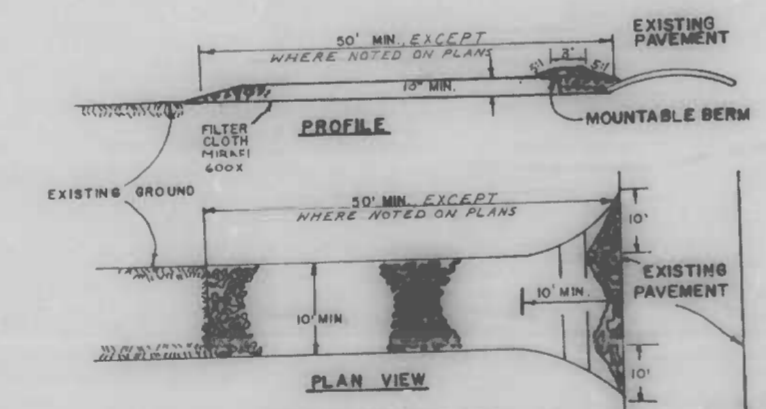
- CONSTRUCTION SPECIFICATIONS**
- Stone for the dike shall be crushed stone. Gravel may be used if crushed stone is not available. The stone shall meet ASTM size no. 2 or 20 or its equivalent such as M30A no. 2. Gravel used for the above structure may be used if crushed stone is not available. Crusher run is not acceptable.
  - Filter Cloth shall be Poly-Filter 3 or approved equal.
  - The structure shall be inspected after each rain and repairs made as needed.

**INLET PROTECTION  
DETAIL SC-2**



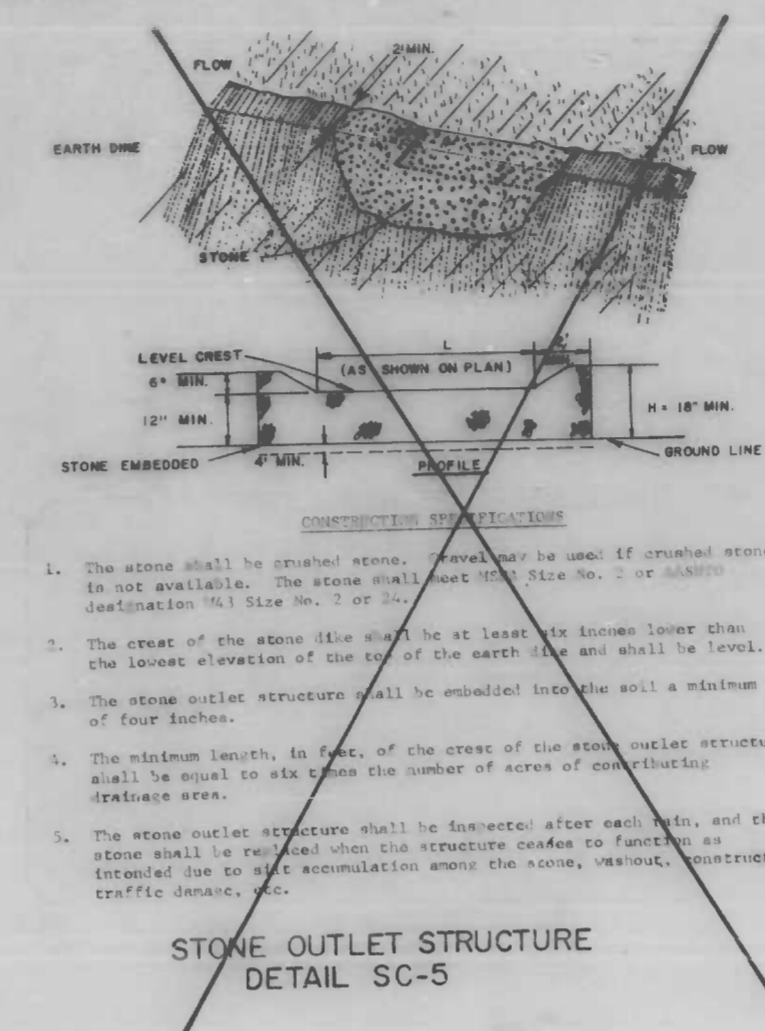
- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
- Woven Wire Fence to be fastened securely to fence posts with wire ties or staples.
  - Filter Cloth to be fastened securely to Woven Wire Fence with chain spaced every 24" at top and side sections.
  - When two sections of Filter Cloth adjoin each other they shall be overlapped by six inches and fastened.
  - Maintenance shall be performed as needed and material removed when "bald" develop in the silt fence.

**SILT FENCE  
DETAIL SC-3**



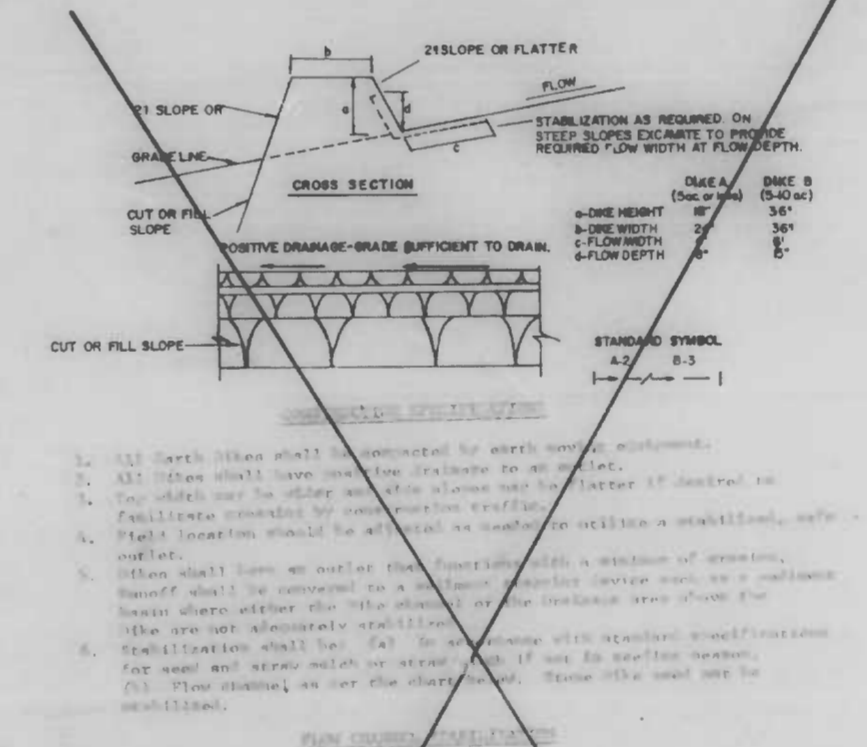
- CONSTRUCTION SPECIFICATIONS**
- Stone Size - 1/2" stone, or crushed or recycled concrete equivalent.
  - Depth - 10 inches, but not less than 10 inch (measure over stable construction for above a 10 foot minimum length width).
  - Thickness - Not less than ten (10) inches.
  - Width - Ten (10) feet minimum, but not less than the full width of vehicle where ingress or egress occurs.
  - Stabilization - Shall be placed over the entire area prior to placement of filter cloth. Filter will not be required on a stable surface.
  - Surface Water - All surface water flowing or diverging toward construction entrance shall be directed across the entrance, if possible to the exterior, a portable berm with 2:1 slopes shall be provided.
  - Maintenance - The entrance shall be maintained in a condition which will prevent standing or pooling of surface water within the entrance. This may require periodic re-stabilization with additional stone as conditions warrant and repair or replacement of any materials used in the entrance. All vehicles, trailers, trucks, and tractors shall be prohibited from entering the entrance.
  - Inspection - Inspections shall be conducted to remove sediment prior to entrance onto public right-of-way. When required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
  - Periodic inspection and needed maintenance shall be provided after each rain.

**STABILIZED CONSTRUCTION ENTRANCE  
DETAIL SC-4  
HEAVY DUTY ENTRANCE**



- CONSTRUCTION SPECIFICATIONS**
- The stone shall be crushed stone. Gravel may be used if crushed stone is not available. The stone shall meet ASTM Size No. 3 or 20.
  - The crest of the stone dike shall be at least six inches lower than the lowest elevation of the top of the earth dike and shall be level.
  - The stone outlet structure shall be embedded into the soil a minimum of four inches.
  - The minimum length, in feet, of the crest of the stone outlet structure shall be equal to six times the number of acres of contributing drainage area.
  - The stone outlet structure shall be inspected after each rain, and the stone shall be replaced when the structure ceases to function as intended due to silt accumulation among the stone, washout, construction traffic damage, etc.

**STONE OUTLET STRUCTURE  
DETAIL SC-5**



- CONSTRUCTION SPECIFICATIONS**
- All earth dikes shall be constructed by earth moving equipment.
  - All dikes shall have sufficient drainage to an outlet.
  - The outlet may be either a stone dike or a filter cloth dike. The outlet shall be inspected after each rain.
  - Right location should be selected to avoid or reduce a sediment, silt, or other outlet.
  - Dike shall have an outlet to the exterior with a minimum of 10 feet. Outlet shall be covered with a minimum of 10 feet of stone or other material where either the dike or the outlet area shows the dike are not adequately stabilized. The outlet shall be stabilized with stone or other material. The outlet shall be inspected after each rain.
  - Stabilization shall be 2:1 or flatter. If not 2:1 or flatter, for use and area which is not stabilized, the dike shall be stabilized.
  - The outlet shall be inspected after each rain.

**EARTH / STONE DIKE  
DETAIL SC-6/DETAIL SC-7**

**LEGEND**

- LIMITS OF DISTURBANCE
- INLET PROTECTION (SC-1)
- SILT FENCE (SC-3)
- STABILIZED CONSTRUCTION ENTRANCE (SC-4)
- STONE OUTLET STRUCTURE (SC-5) N.I.C.
- EARTH/STONE DIKE (SC-6 OR SC-7 AS NOTED) N.I.C.
- STOCKPILE AREA
- SUMP PIT (SP-1) N.I.C.
- SEDIMENT TRAP (ST-1) N.I.C.
- CHECK DAM N.I.C.
- CONTRACTOR STAGING AREA
- INSTREAM SEDIMENT TRAP (SC-8) N.I.C.
- STONE BERM - DETAIL SC-9 (See Detail SC-4 For Construction Specifications)

CITY OF BALTIMORE  
DEPARTMENT OF PUBLIC WORKS  
BUREAU OF HIGHWAYS  
CONTRACT NO. 3068

WINDSOR MILL ROAD  
FROM TUCKER LANE TO WETHEREDSVILLE ROAD

SOIL EROSION / SEDIMENT CONTROL DETAILS

SCALE: NO SCALE  
HIGHWAY ENGINEERING DIVISION

DATE: 9/23/86  
SHEET 23 OF 25

FILE REF.

DRAWN BY A. MOSCATO  
EXAMINED BY

FILE REF.

REVISIONS			
NO.	DESCRIPTION	DATE	BY

**STABILIZATION SPECIFICATIONS**

**TEMPORARY STABILIZATION - ARTICLE 36.12**

**Planting Season:** Temporary seeding can be done anytime of the year except when the ground is frozen. This item shall consist of furnishing and placing all fertilizer, temporary seed and mulch on areas disturbed for more than fourteen (14) days.

**Schedule of Procedure:** The contractor shall provide temporary stabilization as specified in the approved sediment control plan.

**Seedbed Preparation:** When the area to be seeded is packed and hard, the top layer of topsoil shall be loosened by raking or other means before seed is applied.

**Lime:** No lime shall be required for temporary seeding.

**Fertilizer:** Commercial fertilizer of an analysis 5-10-5 applied at a rate of 35 pounds per 1000 square feet.

**Seeding:** (Section 20.2B-1) Seed mixture, Annual Ryegrass applied at the rate of 3 pounds per 1000 square feet.

**Mulching:** Applied at the rate of 100 pounds per 1000 square feet. Mulch anchoring - asphalt mix at the rate of 10 gallons per 1000 square feet. The mulch shall be applied by blowing and the asphalt binder material shall be sprayed into the mulch.

**PERMANENT STABILIZATION - ARTICLE 36.05 WET APPLICATION METHOD**

**SEEDING AND MULCHING SLOPE AREAS**

**Planting Season:** No seed shall be placed between the dates of June 1 and August 15 inclusive nor at any time when the temperature is below thirty-two (32) degrees Fahrenheit. No frozen seed shall be used and no seed shall be placed upon frozen soil.

**Seedbed Preparation:** Before placing or depositing seed upon any surface, all shaping and dressing of such surface shall have been completed. The completed areas to be seeded shall present a smooth, uniform, well-tilled surface true to line and across section and any raking required to accomplish this will be done prior to the placing of the seed.

**Fertilizer:** All areas to be seeded shall be fertilized with a commercial fertilizer of an analysis 10-10-10 and urea-form fertilizer 30-0-0 applied at the rate of 20 and 5 pounds respectively per 1000 square feet.

**NOTE:** After seed is placed, topdress the seed with Urea-form fertilizer 30-0-0 at the rate of 5 pounds per 1000 square feet.

**Lime:** Lime at the rate of 100 pounds of ground limestone per 1000 square feet. The lime and the 10-10-10 and 30-0-0 fertilizers shall be worked into the top two (2) inches of soil prior to placing seed.

**Seedmixture Grass Seed (Section 20.2B-3) USE 20.2B-2, SEED MIX NO. 1**

**TYPE A - Bluegrass Seed**  
 not less than 60% Kentucky Bluegrass  
 not more than 35% Creeping Red Fescue  
 not more than 10% other grasses and legumes

**TYPE B - Tall Fescue Seed**  
 not less than 80% Tall Fescue  
 not more than 20% other grasses and legumes

**BALTIMORE CITY SEDIMENT CONTROL**

Title B, Subtitle 11, Natural Resources, Annotated Code of Maryland and Baltimore City Ordinance 1013, require that provisions to control erosion and sediment shall be included for all City land disturbance. As required by State Law, construction cannot be started until such erosion and sediment control provisions are approved.

The Contractor must filter all run-off and control all sediment within the project. All work must comply with all requirements of the "Baltimore City Erosion and Sediment Control Manual" and the "1983 Maryland Standards And Specifications For Soil Erosion And Sediment Control", as distributed and modified by the Baltimore City Sediment Control Section.

Nothing herein relieves the Contractor from complying with any and all other Federal, State or Municipal Regulations.

**EROSION AND SEDIMENT CONTROL NOTE**

- All utilities to be constructed first, prior to any construction on the site.
- No pumping from foundation excavations will be allowed directly into City system unless it is filtered by way of Sediment Traps or Filter.
- All excavation material shall be placed on the high side whenever possible and confined to an area where it will not obstruct the normal flow of drainage courses.
- Continuous inspection and maintenance of all Sediment Control devices will be required.

**INSTRUCTIONS**

For land disturbing activities it is understood that the following conditions will be met:

- A. Grading**
- All disturbed areas shall be protected to control erosion and to prevent sedimentation of adjacent properties, storm sewers and/or streams.
  - Sediment control devices such as diversion bars, sediment traps, silt fences, vegetative stabilization, etc. shall be used to prevent off-site sedimentation at all times, at every location throughout the site where natural or existing conditions would cause sediment to normally wash off the site.
  - No proposed cut or fill will exceed three feet in depth (cut) or height (fill) without erosion and sediment controls. Exclusive of excavation for foundations.
  - No fill will be placed on any existing slope steeper than 5:1 without erosion and sediment controls.
  - There will be no final graded slope steeper than 2:1.
  - Borrow and/or spoil material shall not be stockpiled within the limits of this project.
  - All fills will be free of any organic or other deleterious materials and will be compacted. All areas to receive fill will have the ground surface prepared by removing all existing vegetation and root mat.
  - The proposed grading will not impair existing surface drainage, constitute a potential erosion hazard, or source of sedimentation to any adjacent property, drainage way or right-of-way.
  - All points of ingress and egress shall be protected to prevent tracking of mud onto public ways.
- B. Stabilization**
- As soon as final grading is completed, all disturbed areas will be stabilized with temporary or permanent mulch, including stone, blacktop, conc. surfacing, etc.
  - For vegetating areas steeper than three horizontal units to one vertical unit, adequate mulch, fertilizer and type of seed will be placed to ensure a vigorous ground cover and such application will be repeated, if necessary, until such growth is established.
  - Timing - Following initial soil disturbances or redisturbances, permanent or temporary stabilization shall be completed within:
    - Seven calendar days for the surface of all perimeter dikes, swales, ditches, perimeter slopes, and all slopes greater than three horizontal to one vertical (3:1) and,
    - Twenty-four (24) hours for disturbed areas such as base repairs, alley returns, curb repairs, bus pads, pedestrian ramps, sidewalks and backfilled utility trenches. Stabilization shall consist of a minimum of 4 inch Graded Aggregate Sub-base and,
    - Fourteen calendar days for all other disturbed or graded areas.
  - For details regarding temporary and permanent stabilization practices, reference the "1983 Maryland Standards And Specifications For Soil Erosion And Sediment Control", or contact the Baltimore City Sediment Control Representative.
  - Sediment control devices are to be removed only after all disturbed areas have been stabilized.

**CONDITIONS**

The Contractor will submit written notification to the Baltimore City Sediment Control Representative at least three working days before starting any grading activities, stating the following:

- The day he intends to start work
- The source of all borrow material
- The designated stockpile area
- The Contractor's staging area
- The disposal site for all excess material
- The construction sequence
- The completion day of the work

DESIGNATED AREA	ACTIVE	IN-ACTIVE	TYPE OF STABILIZATION	SEQUENCE NO.				
				PHASE I	PHASE II-A	PHASE II-B	PHASE II-C	PHASE II-D
NEW CONSTR. WETHEREDSVILLE	X		VAR. DEPTH SUB-BASE, CR-6	X				
NEW CONSTR. WINDSOR MILL	X	X	4" BIT. CONC. (B.1)	X				
CONC. WALK WINDSOR MILL	X		6" SUB-BASE, CR-6			X	X	
CONC. DRIVE WINDSOR MILL	X	X	6" BIT. CONC. (B.1)			X	X	
CUT SLOPE WINDSOR MILL	X		3" SUB-BASE, CR-6			X		
FILL SLOPE WINDSOR MILL	X		5" CEMENT CONC.			X		
PERMANENT STAB., SEED & MULCH WINDSOR MILL	X		6" SUB-BASE, CR-6			X	X	
TEMP. STAB., RYEGRASS WINDSOR MILL	X		7" CEMENT CONC.			X	X	
PERMANENT STAB., SEED & MULCH WINDSOR MILL	X		TEMP. STAB., RYEGRASS		X	X	X	
PERMANENT STAB., SEED & MULCH WINDSOR MILL	X		PERMANENT STAB., SEED & MULCH					X
PERMANENT STAB., SEED & MULCH WINDSOR MILL	X		TEMP. STAB., RYEGRASS		X	X	X	
PERMANENT STAB., SEED & MULCH WINDSOR MILL	X		PERMANENT STAB., SEED & MULCH					X

**SITA DATA**

DISTURBED AREA	
PHASE I	6,840 S.F.
PHASE II-A	11,326 S.F.
PHASE II-B	70,288 S.F.
PHASE II-C	124,369 S.F.
TOTAL	212,822 S.F.

	EARTHWORK		
	CUT	FILL	EXCESS
WETHEREDSVILLE ROAD	170 C.Y.	38 C.Y.	132 C.Y.
WINDSOR MILL ROAD	10,215 C.Y.	1,748 C.Y.	8,467 C.Y.
TOTAL CUT	10,385 C.Y.	---	---
TOTAL FILL	---	1,786 C.Y.	---
TOTAL EXCESS MATERIAL	---	---	8,599 C.Y.

NOTE: Quantities listed herein are to be used only to assist in developing the soil erosion & sediment control plans. There is no guarantee that these quantities are complete and the contractor should not rely on the accuracy of these figures in preparing and submitting his bid.

Department of Public Works, Bureau of Highways  
 Environmental Services Division, Erosion and Sediment Control Section  
 309 Municipal Building, Baltimore, MD 21202  
 Phone - (301) 396-3693

**Owners/Developers Certification**

I/We hereby certify that any clearing, grading, construction and/or development will be done pursuant to this plan and that all responsible personnel involved in the construction project will have a certification of attendance at a Department of Natural Resources approved training program for the control of sediment and erosion before beginning the project.

*James A. Zito*  
 Signature Owner/Developer

JAMES A. ZITO 8-26-86  
 Print Name Date

309 MUNICIPAL BLDG.  
 Address

396-4600  
 Phone

**Engineer's Certification**

I certify that this plan for Erosion and Sediment Control represents a practical, workable plan based on personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Baltimore City Erosion and Sediment Control Section.

*Robert F. Guston*  
 Signature Date 8-27-86

Robert F. Guston  
 Print Name

309 MUNICIPAL BLDG.  
 Address

396-4707  
 Phone

APPROVED BY:

*Fredrick M. Lee*  
 EROSION & SEDIMENT CONTROL REPRESENTATIVE

CITY OF BALTIMORE  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF HIGHWAYS  
 CONTRACT NO. 3068

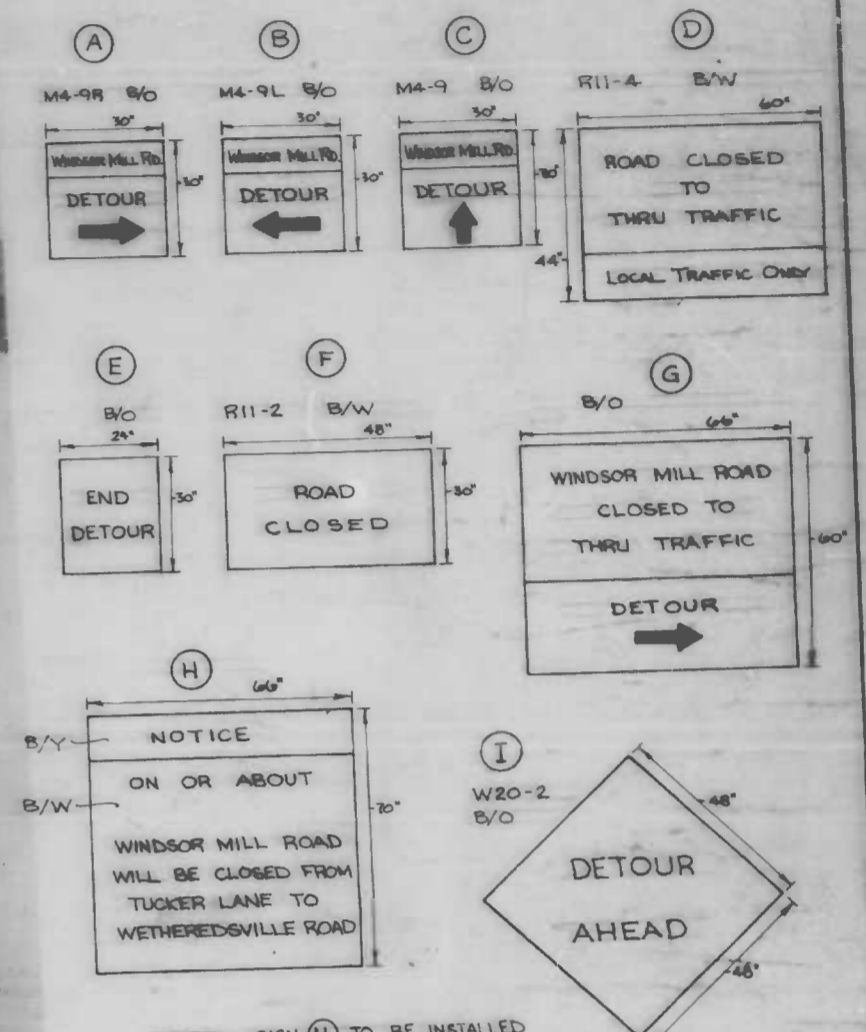
WINDSOR MILL ROAD  
 FROM TUCKER LANE TO WETHEREDSVILLE ROAD

SOIL EROSION / SEDIMENT CONTROL NOTES

SCALE NONE DATE SEPT. 27, 1985  
 HIGHWAY ENGINEERING DIVISION SHEET 24 OF 25

DRAWN BY  
 EXAMINED BY

FILE REF.



NOTE: SIGN (H) TO BE INSTALLED (3) THREE WEEKS PRIOR TO THE CLOSURE OF WINDSOR MILL ROAD.

**LEGEND:**

- ▲ TYPE III BARRICADE
- ▲ TYPICAL SIGN INSTALLATION
- SIGN COLOR LEGEND
- B/O BLACK LEGEND ON ORANGE BACKGROUND
- B/W BLACK LEGEND ON WHITE BACKGROUND
- B/Y BLACK LEGEND ON YELLOW BACKGROUND
- DIRECTION OF TRAVEL

**CONSTRUCTION PHASE LEGEND:**

- Phase I (diagonal hatching)
- Phase II-B (cross-hatching)
- Phase II-C (horizontal hatching)

CITY OF BALTIMORE  
DEPARTMENT OF PUBLIC WORKS  
BUREAU OF HIGHWAYS  
CONTRACT NO. 3068

**WINDSOR MILL ROAD**  
FROM TUCKER LANE TO WETHEREDSVILLE ROAD

**TRAFFIC CONTROL PLAN**

SCALE: 1" = 50'  
HIGHWAY ENGINEERING DIVISION

DATE: 9/23/86  
SHEET 25 OF 25

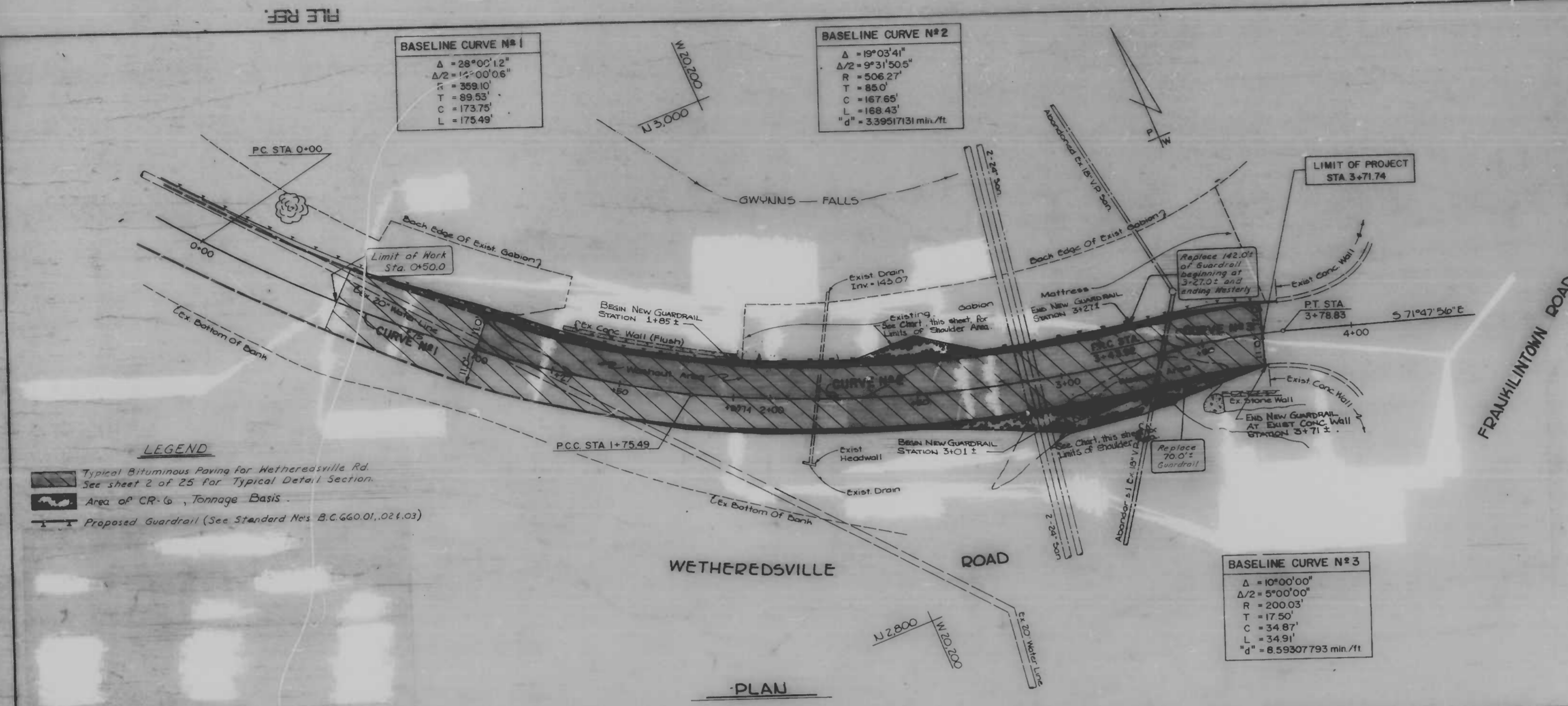
DRAWN BY: [Signature]  
EXAMINED BY:

REVISIONS		
NO.	DESCRIPTION	DATE

BASELINE COORDINATES		
STATION	WEST	NORTH
0+00.0	-20374.025	+3020.602
1+75.49 PC	-20243.418	+2906.012
3+43.92 PRC	-20083.732	+2854.952
3+78.83 P.T.	-20049.784	+2846.989

SHOULDER AREA (CR-6) (DISTANCE FROM EDGE OF ROAD)		
Station	Left	Right
0+00	0.00	0.00
1+00	3.0'	0.00
1+25	3.0'	0.00
1+50	1.0'	0.00
1+75.49	1.0'	1.0'
2+00	1.0'	1.0'
2+25	1.0'	1.0'
2+50	9.0'	1.0'
2+75	1.0'	4.0'
3+00	1.0'	9.0'
3+25	1.0'	8.0'
3+43.92	1.0'	5.0'
3+71.74	0.00	0.00

OBSTRUCTIONS AS SHOWN ON THIS DRAWING ARE ONLY FOR THE CONVENIENCE OF THE CONTRACTOR AND THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION MUST BE VERIFIED BY THE CONTRACTOR TO HIS OWN SATISFACTION.



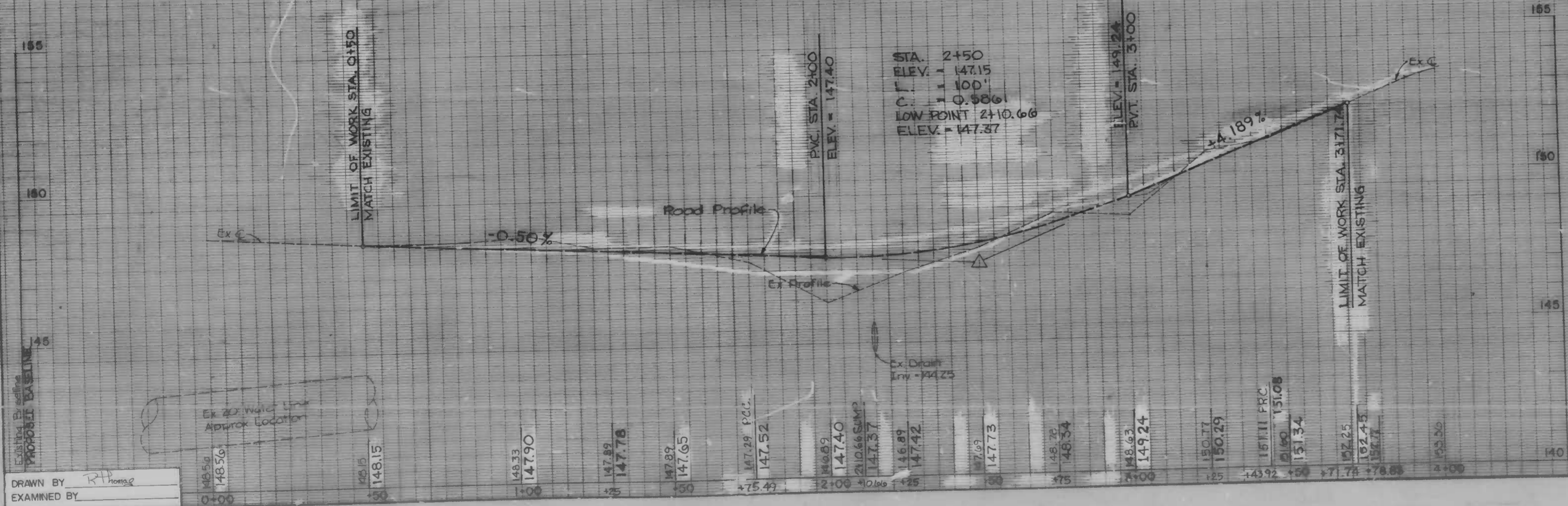
**LEGEND**  
 Typical Bituminous Paving for Wetheredville Rd. See sheet 2 of 25 for Typical Detail Section.  
 Area of CR-6, Tonnage Basis.  
 Proposed Guardrail (See Standard Nos. B.C.G.60.01, 02, 03)

**BASELINE CURVE N#1**  
 $\Delta = 28^{\circ}00'12''$   
 $\Delta/2 = 14^{\circ}00'06''$   
 $R = 359.10'$   
 $T = 89.53'$   
 $C = 173.78'$   
 $L = 175.49'$

**BASELINE CURVE N#2**  
 $\Delta = 19^{\circ}03'41''$   
 $\Delta/2 = 9^{\circ}31'50.5''$   
 $R = 506.27'$   
 $T = 85.0'$   
 $C = 167.65'$   
 $L = 168.43'$   
 $"d" = 3.39517131 \text{ min./ft.}$

**BASELINE CURVE N#3**  
 $\Delta = 10^{\circ}00'00''$   
 $\Delta/2 = 5^{\circ}00'00''$   
 $R = 200.03'$   
 $T = 17.50'$   
 $C = 34.87'$   
 $L = 34.91'$   
 $"d" = 6.59307793 \text{ min./ft.}$

**BASELINE PROFILE**



CITY OF BALTIMORE  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF HIGHWAYS  
 CONTRACT NO. 3068  
 WINDSOR MILL ROAD  
 WETHEREDSVILLE ROAD  
 PLAN & PROFILE  
 Plan 1"=20'  
 Profile Hor 1"=20'  
 Ver 1"=2'  
 SCALE: HIGHWAY ENGINEERING DIVISION DATE 9/23/86 SHEET 3 OF 25

DRAWN BY: RTH  
 EXAMINED BY: [Signature]

FILE REF. ESD 80-311

REVISIONS			
NO.	DESCRIPTION	DATE	BY

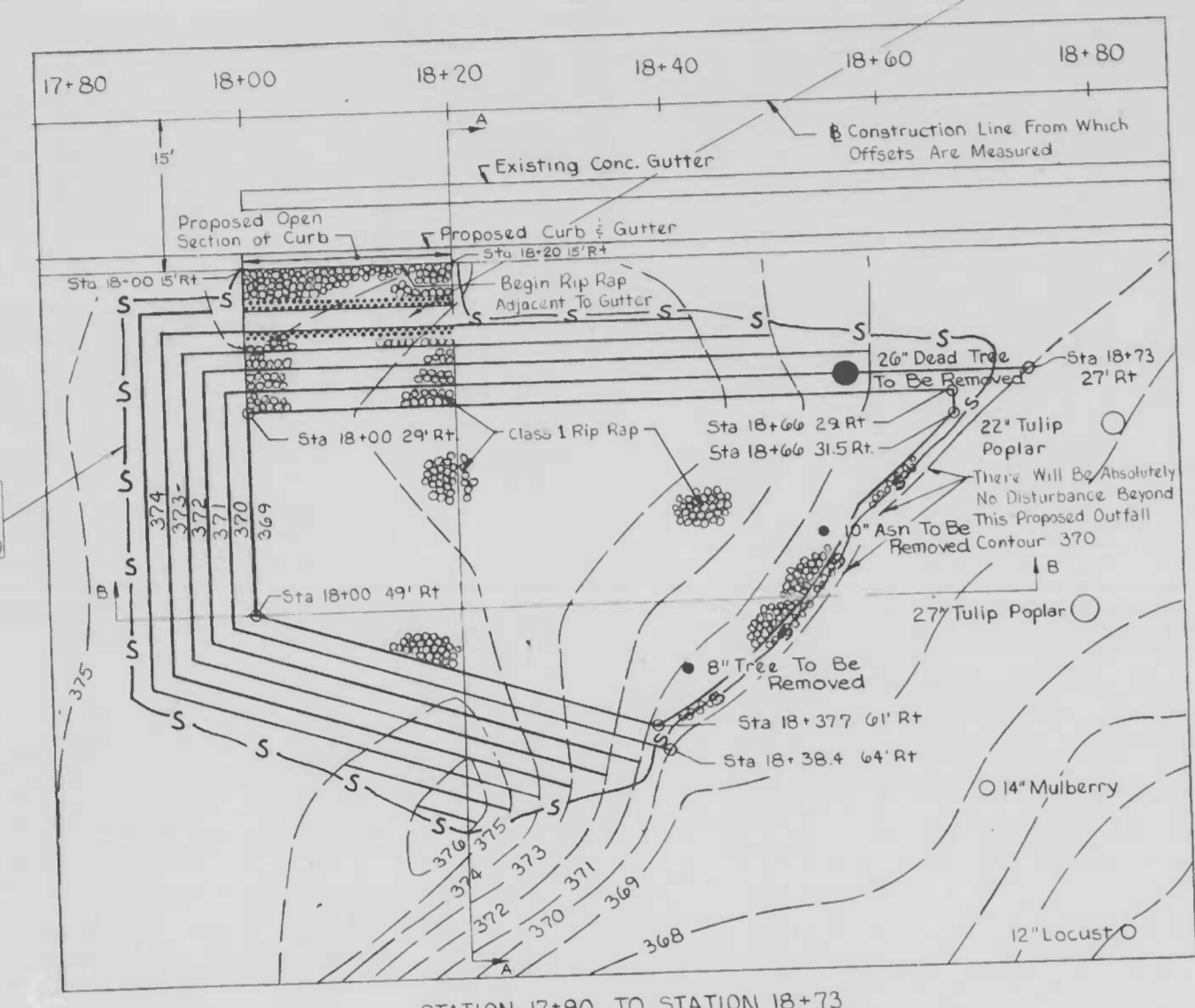
STONE BERM  
DETAIL SC-9  
PHASE II-A(3)  
TO BE REMOVED  
WHEN PERMANENT  
PAVING IS COMPLETE

**DRAINAGE NOTES**

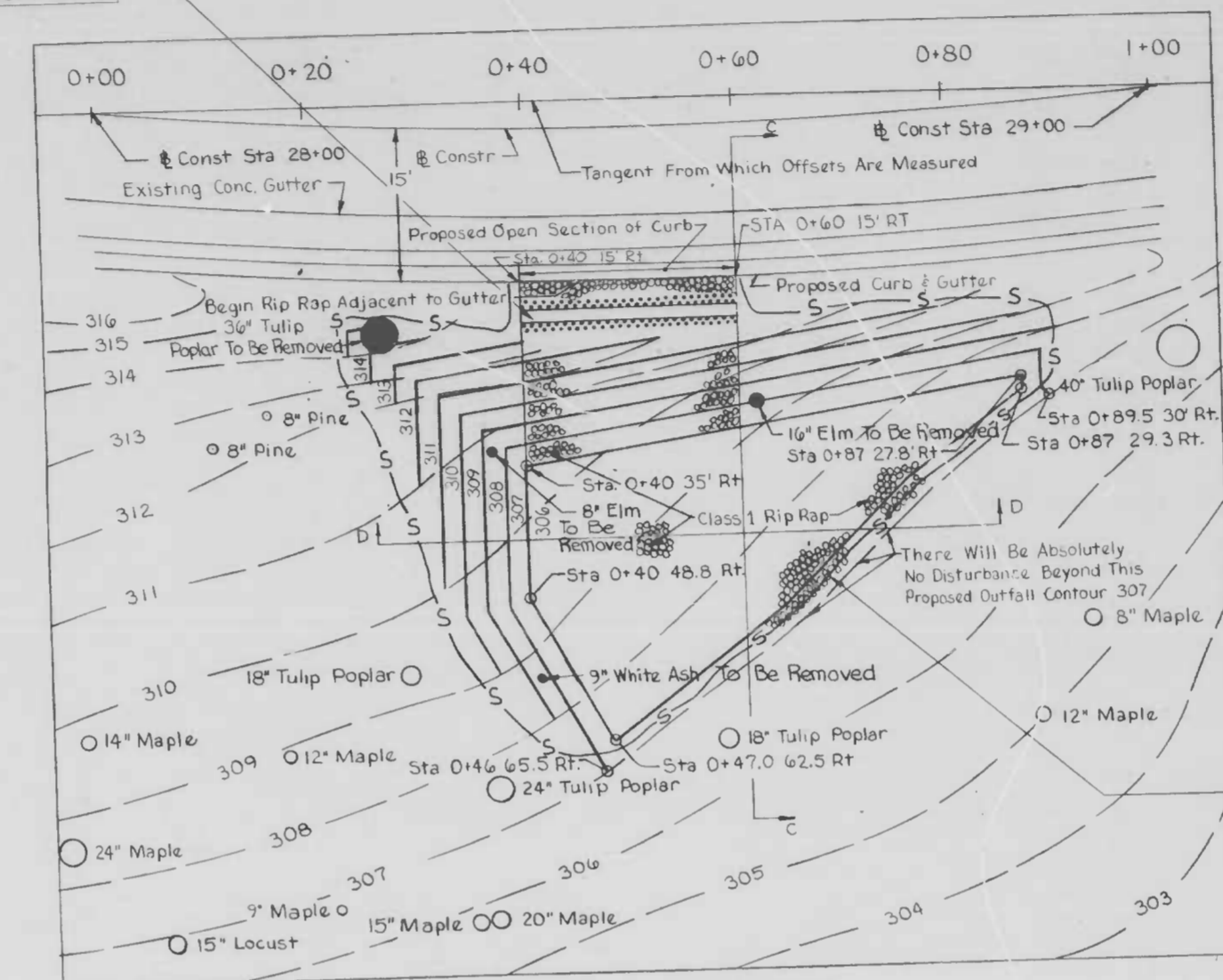
- The Only Trees That May Be Removed From These Drainage Areas Are The Ones Shaded In.
- There Will Be Absolutely No Disturbance Of Any Vegetation Beyond The Proposed Outfall Contour Of The Proposed Drainage Structures.
- The Contractor Must Access These Drainage Structures From A Location Above The Outfall Contours
- Before Doing Any Digging Notify The Following: "Miss Utility" 1-800-257-7777, Bureau of Highways, Street Lighting Section 396-154, Conduit Section 396-365B
- Obstructions Shown On These Drawing Are For The Convenience Of The Contractor Only And The City Does Not Warrant Or Guarantee The Correctness Or Completeness Of The Information Given. The Contractor Must Verify All Such Information To His Own Satisfaction.
- The Contractor Shall Install And Maintain Inlet Protection At All Inlets Until All Disturbed Areas Have Been Stabilized.
- Type Of Joints For Pipes  
Type Of Pipe  
RCP Drain  
RCP Inlet Connection

SILT FENCE  
DETAIL SC-3  
PHASE II-A(1)

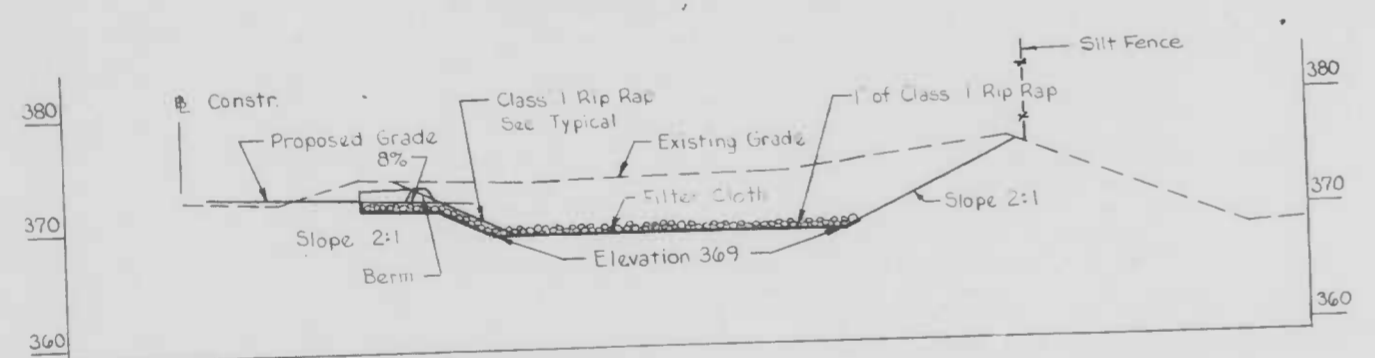
SILT FENCE  
DETAIL SC-3  
PHASE II-A(1)



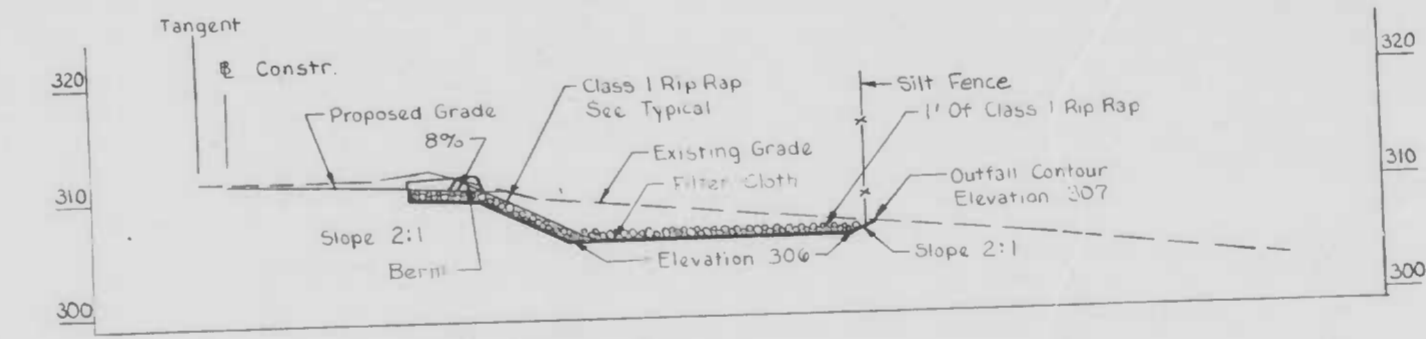
STATION 17+90 TO STATION 18+73



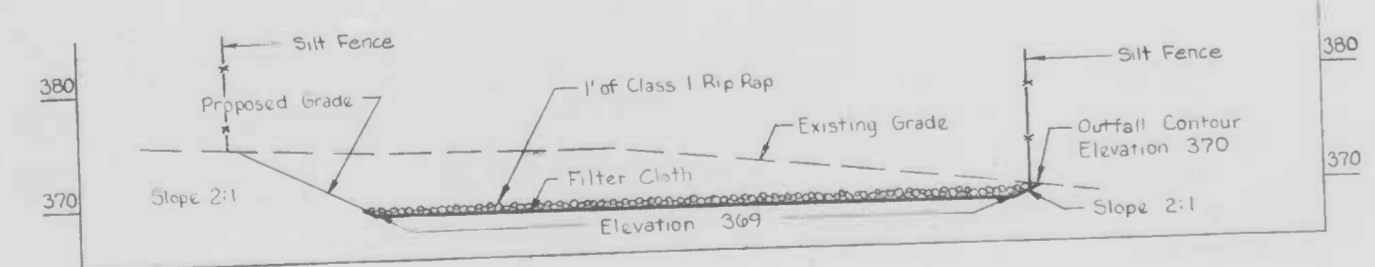
STATION 28+25 TO STATION 28+90



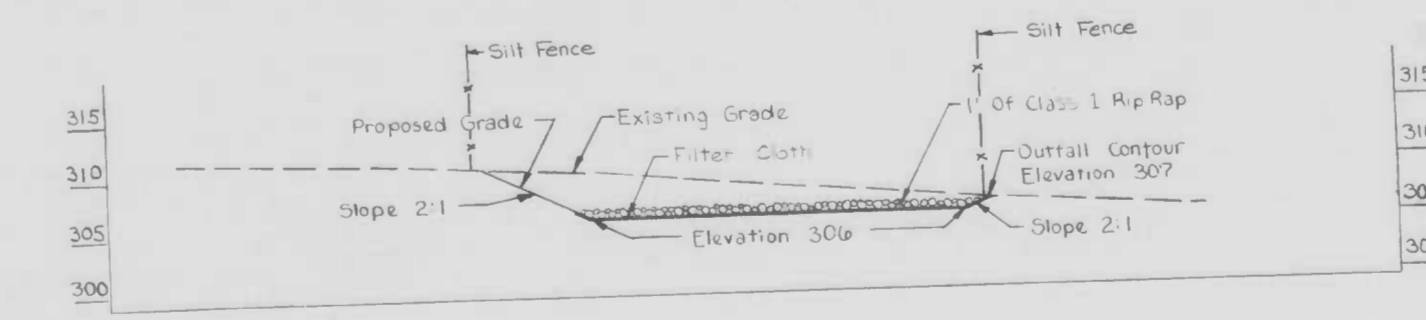
SECTION A-A



SECTION C-C



SECTION B-B



SECTION D-D



WINDSOR MILL ROAD  
TYPICAL RIP RAP CLASS 1  
FOR SLOPED AREAS ONLY  
Not To Scale

DRAWN BY W.S.B. - D.B.M.  
EXAMINED BY

SURVEY BOOK \_\_\_\_\_ RECORD PLAT \_\_\_\_\_  
 BM \_\_\_\_\_ ELEV \_\_\_\_\_ DRAINAGE DISTRICT \_\_\_\_\_

CITY OF BALTIMORE  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF HIGHWAYS  
 CONTRACT NO. 505B

WINDSOR MILL ROAD  
 From Tucker Lane to Wetheredsville Road

STORM WATER PLANS  
 Drainage Outfall Areas

SCALE 1"=10' DATE JUNE 1986  
 ENVIRONMENTAL SERVICES DIVISION SHEET 14 OF 25

FILE REF. ESD 80-311

FILE REF.

NOTE: OBSTRUCTIONS ARE SHOWN ON THIS DRAWING FOR THE CONVENIENCE OF THE CONTRACTOR ONLY, AND THE CITY DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION GIVEN. THE CONTRACTOR MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION.

REVISIONS			
NO.	DESCRIPTION	DATE	BY

**LEGEND**

- TYPICAL BITUMINOUS PAVING AREA
- 7" CONCRETE DRIVEWAY PAVING @ 6" CR-6
- AREA OF CUT SLOPE
- AREA OF FILL SLOPE
- REMOVE EXISTING PAVING
- GUARD RAIL

ROADWAY POINT DESCRIPTION	WEST COORDINATES	NORTH COORDINATES
22+98.93 - PC & Survey	22658.86	4843.42
25+06.91 - PT & Survey	22466.87	4917.09
26+13.95 - PC & Survey	22360.43	4928.46
23+44.15 - PC & Constr.	22622.22	4869.93
24+63.74 - PT & Constr.	22511.83	4912.29
26+05.79 - PC & Constr.	22370.98	4927.38

Install Guard Rail W Beam on the Right Side between Station 19+00 and Station 31+75. See BC (660.01)

Trail End : Sta. 28+71.5, 3' Right of Floutline to Sta. 29+400, 9' Right of Floutline. See BC (660.31)

Approach End : Sta. 29+66.0, 9' Right of Floutline to Sta. 30+34.5, 3' Right of Floutline. See BC (660.31)

Existing Stone Wall shall remain on the Left Side between Sta. 18+00 and Sta. 28+90. The Contractor shall exercise extreme caution when working in this area to avoid damage to wall.

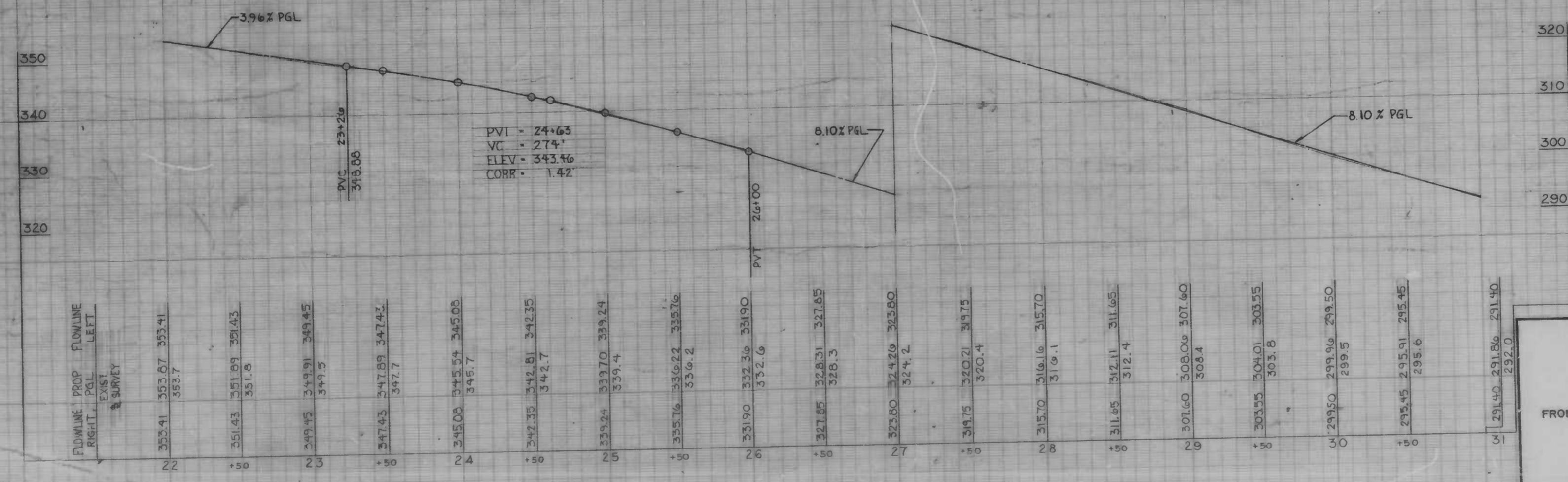
**CURVE DATA - CONSTRUCTION**

NUMBER	Δ	D	R	T	L	C
No. 5	29°47'25"	24.911'	230.00'	61.18'	119.59'	118.24'
No. 6	70°23'33"	12.732'	450.00'	517.40'	552.06'	518.74'

**CURVE DATA - SURVEY**

NUMBER	Δ	D	R	T	L	C
No. 7	29°47'25"	14.324'	400.00'	106.40'	207.98'	205.64'
No. 8	70°23'33"	13.481'	425.00'	299.76'	522.17'	489.92'

PLAN SCALE  
1" = 40.0'



PROFILE SCALE  
Hor. 1" = 40.0'  
Vert. 1" = 10.0'

DRAWN BY  
EXAMINED BY

CITY OF BALTIMORE  
DEPARTMENT OF PUBLIC WORKS  
BUREAU OF HIGHWAYS  
CONTRACT NO. 3068

WINDSOR MILL ROAD  
FROM TUCKER LANE TO WETHEREDSVILLE ROAD

PLAN AND PROFILE

SCALE: AS NOTED  
HIGHWAY ENGINEERING DIVISION

DATE: 9/23/86  
SHEET 6 OF 25

FILE REF.



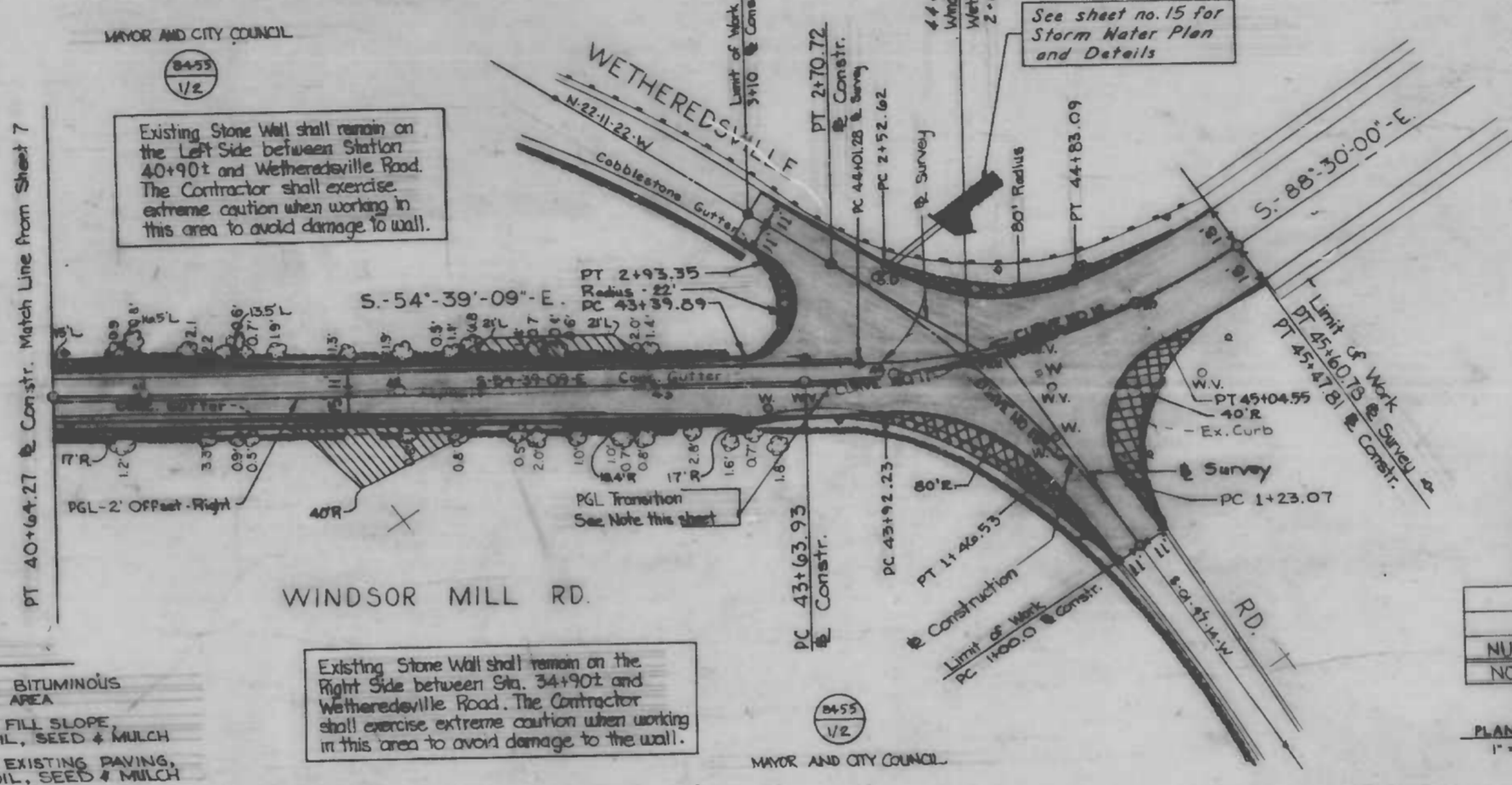
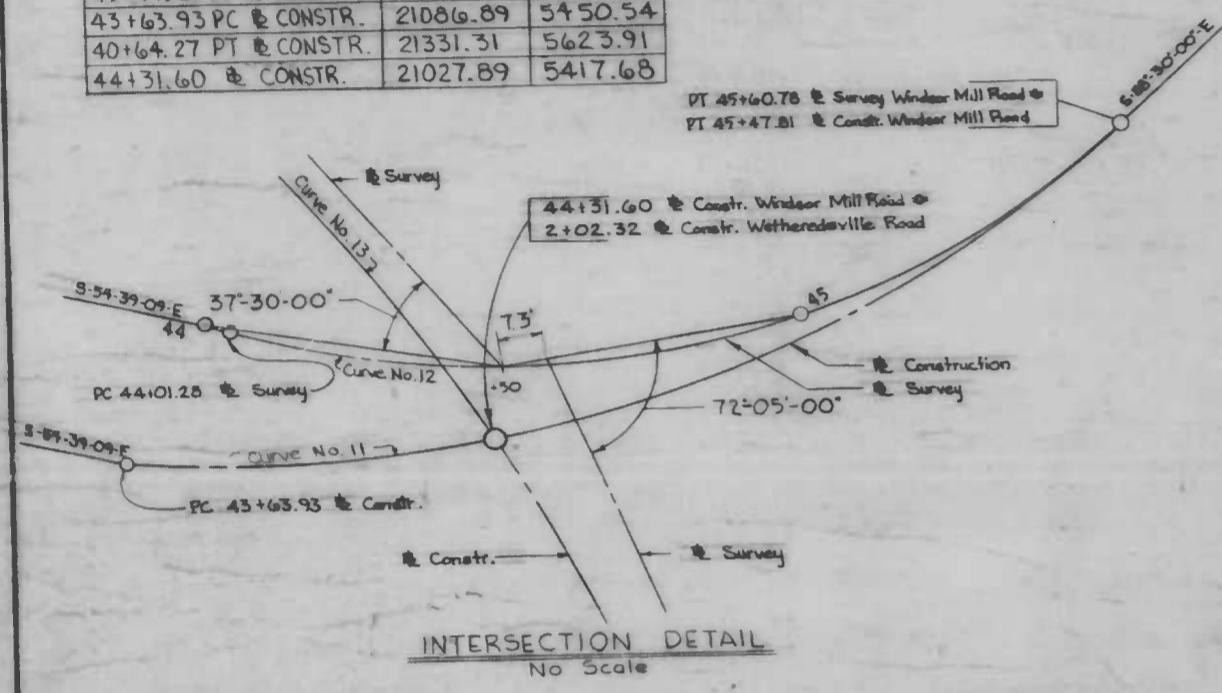
FILE REF.

REVISIONS			
NO.	DESCRIPTION	DATE	BY

NOTE: CONSTRUCTIONS ARE SHOWN ON THIS DRAWING FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND THE CITY DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION GIVEN. THE CONTRACTOR MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION.

WINDSOR MILL ROAD ROADWAY COORDINATES			
POINT DESCRIPTION	WEST	NORTH	
40+72.96 PT @ SURVEY	21331.89	5632.90	
44+01.28 PC @ SURVEY	21064.10	5422.95	
45+60.78 PT @ SURVEY			
45+47.81 PT @ CONSTR.	20914.96	5393.27	
43+63.93 PC @ CONSTR.	21086.89	5450.54	
40+64.27 PT @ CONSTR.	21331.31	5623.91	
44+31.60 @ CONSTR.	21027.89	5417.68	

WETHEREDSVILLE ROAD ROADWAY COORDINATES			
POINT DESCRIPTION	WEST	NORTH	
PC 1+00.0 @ CONSTR.	21018.29	5316.08	
PT 2+70.72 @ CONSTR.	21048.30	5482.55	
2+02.32 @ CONSTR.	21027.89	5417.68	



Station	Offset-Right
43+63.93	2.00'
44+00	1.60'
44+90	1.05'
45+00	0.50'
45+47.01	0.00'

WETHEREDSVILLE ROAD CURVE DATA - CONSTRUCTION						
NUMBER	A	D	R	T	L	C
NO. 13	73°58'36"	14.044	4079'	0.663	170.72	169.48

WINDSOR MILL ROAD CURVE DATA @ CONSTRUCTION						
NUMBER	A	D	R	T	L	C
NO. 11	33°-50'-51"	18.407	311.263	94.71	183.88	181.22

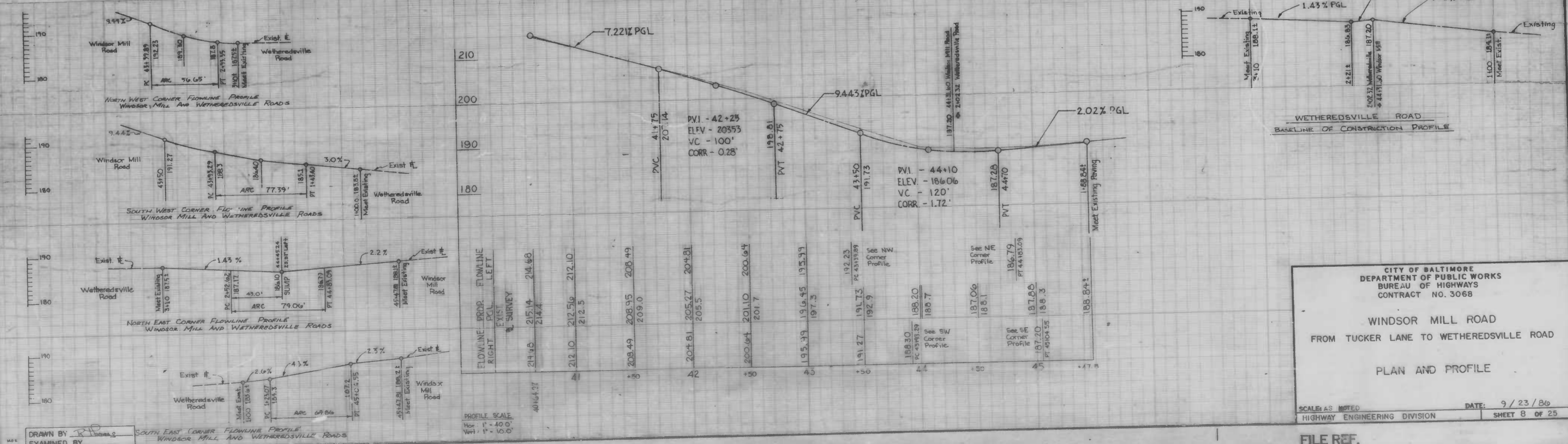
WINDSOR MILL ROAD CURVE DATA @ SURVEY						
NUMBER	A	D	R	T	L	C
NO. 12	33°-50'-51"	21.220	270.00	82.15	159.50	157.19

LEGEND

- TYPICAL BITUMINOUS PAVING AREA
- AREA OF FILL SLOPE 2" TOPSOIL, SEED & MULCH
- REMOVE EXISTING PAVING, 2" TOPSOIL, SEED & MULCH
- AREA OF CUT SLOPE 2" TOPSOIL, SEED & MULCH

Existing Stone Wall shall remain on the Right Side between Sta. 34+90.0 and Wetheredsville Road. The Contractor shall exercise extreme caution when working in this area to avoid damage to the wall.

PLAN SCALE: 1" = 40.0'



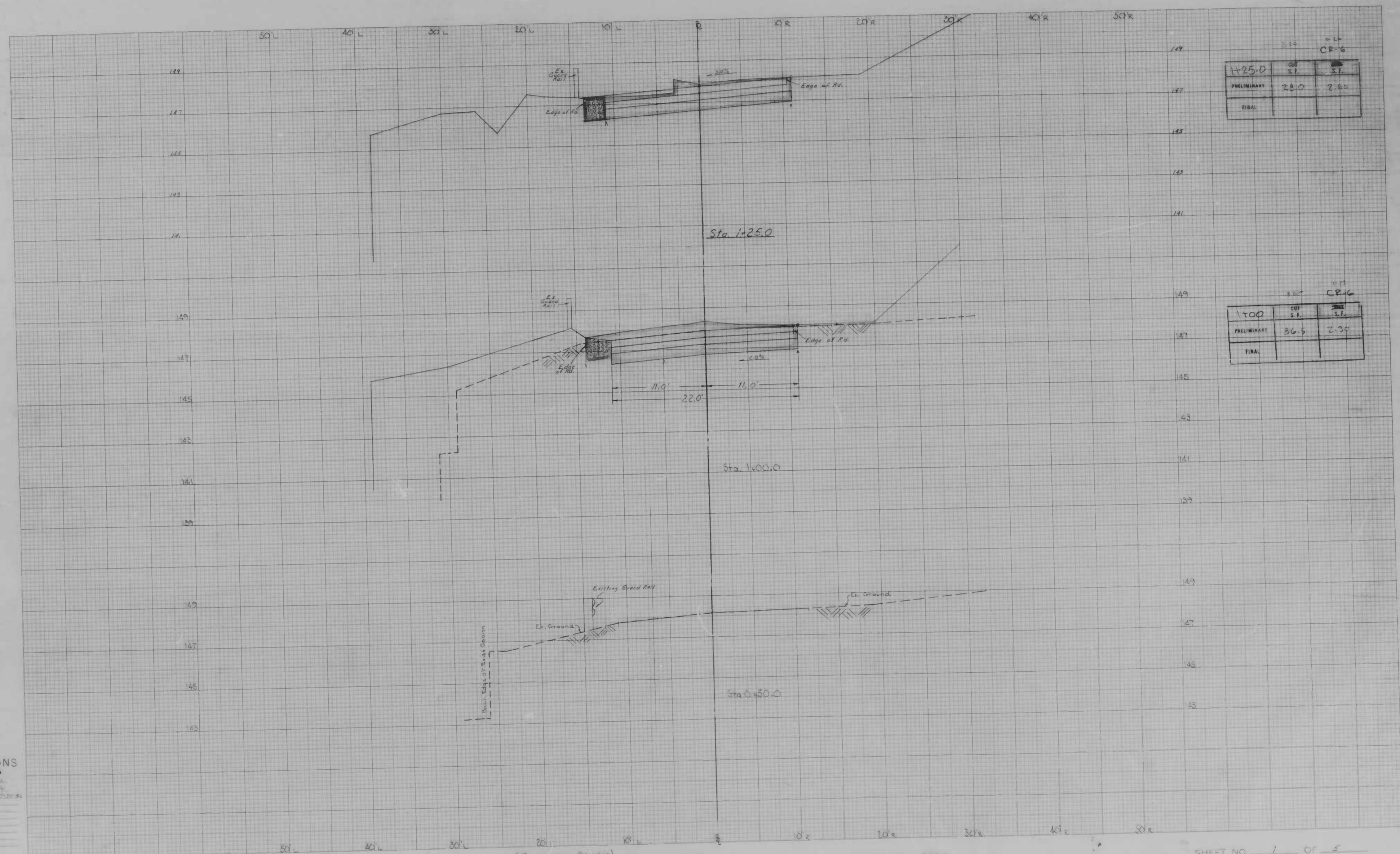
CITY OF BALTIMORE  
DEPARTMENT OF PUBLIC WORKS  
BUREAU OF HIGHWAYS  
CONTRACT NO. 3068

WINDSOR MILL ROAD  
FROM TUCKER LANE TO WETHEREDSVILLE ROAD

PLAN AND PROFILE

SCALE AS NOTED DATE: 9/23/86  
HIGHWAY ENGINEERING DIVISION SHEET 8 OF 25

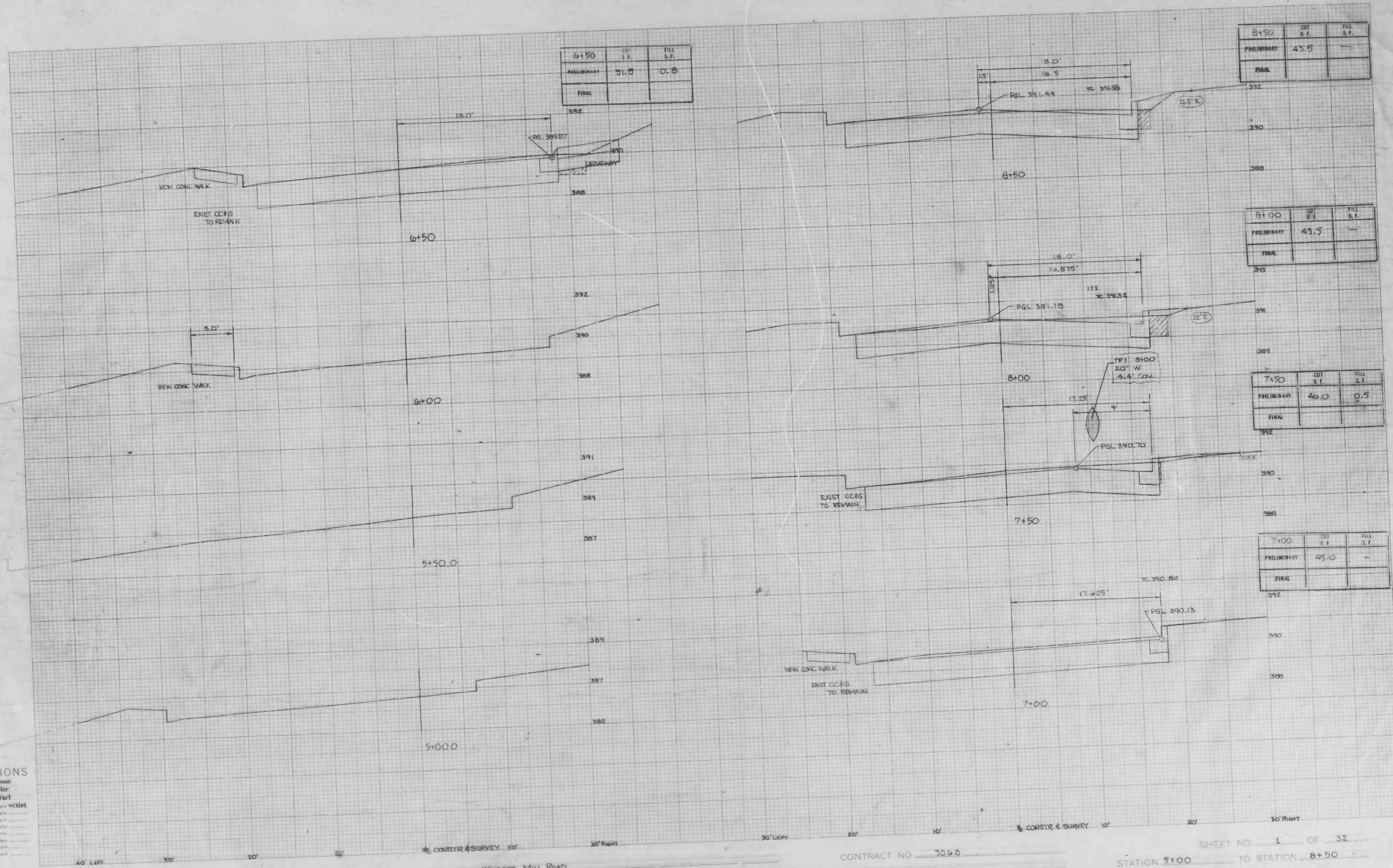
FILE REF.



1+25.0	CUT	2.34	2.24
	ST		CR-6
PRELIMINARY		2.00	2.00
FINAL			

1+00	CUT	3.27	3.17
	ST		CR-6
PRELIMINARY		2.35	2.35
FINAL			

**CROSS SECTIONS**  
 Scale 1 inch = 5' Vert.  
 2" Hor.  
 Original Plotted by M. James Date 7/27/50  
 Original Checked by \_\_\_\_\_ Date \_\_\_\_\_  
 Template by \_\_\_\_\_ Date \_\_\_\_\_  
 Area by \_\_\_\_\_ Date \_\_\_\_\_  
 Inked Plotted by \_\_\_\_\_ Date \_\_\_\_\_  
 Inked Checked by \_\_\_\_\_ Date \_\_\_\_\_  
 Area Checked by \_\_\_\_\_ Date \_\_\_\_\_



6+50	CUT S.F.	FILL S.F.
PRELIMINARY	51.0	0.0
FINAL		

8+50	CUT S.F.	FILL S.F.
PRELIMINARY	43.5	
FINAL		

8+00	CUT S.F.	FILL S.F.
PRELIMINARY	43.5	
FINAL		

7+50	CUT S.F.	FILL S.F.
PRELIMINARY	46.0	0.5
FINAL		

7+00	CUT S.F.	FILL S.F.
PRELIMINARY	45.0	
FINAL		

CROSS SECTIONS

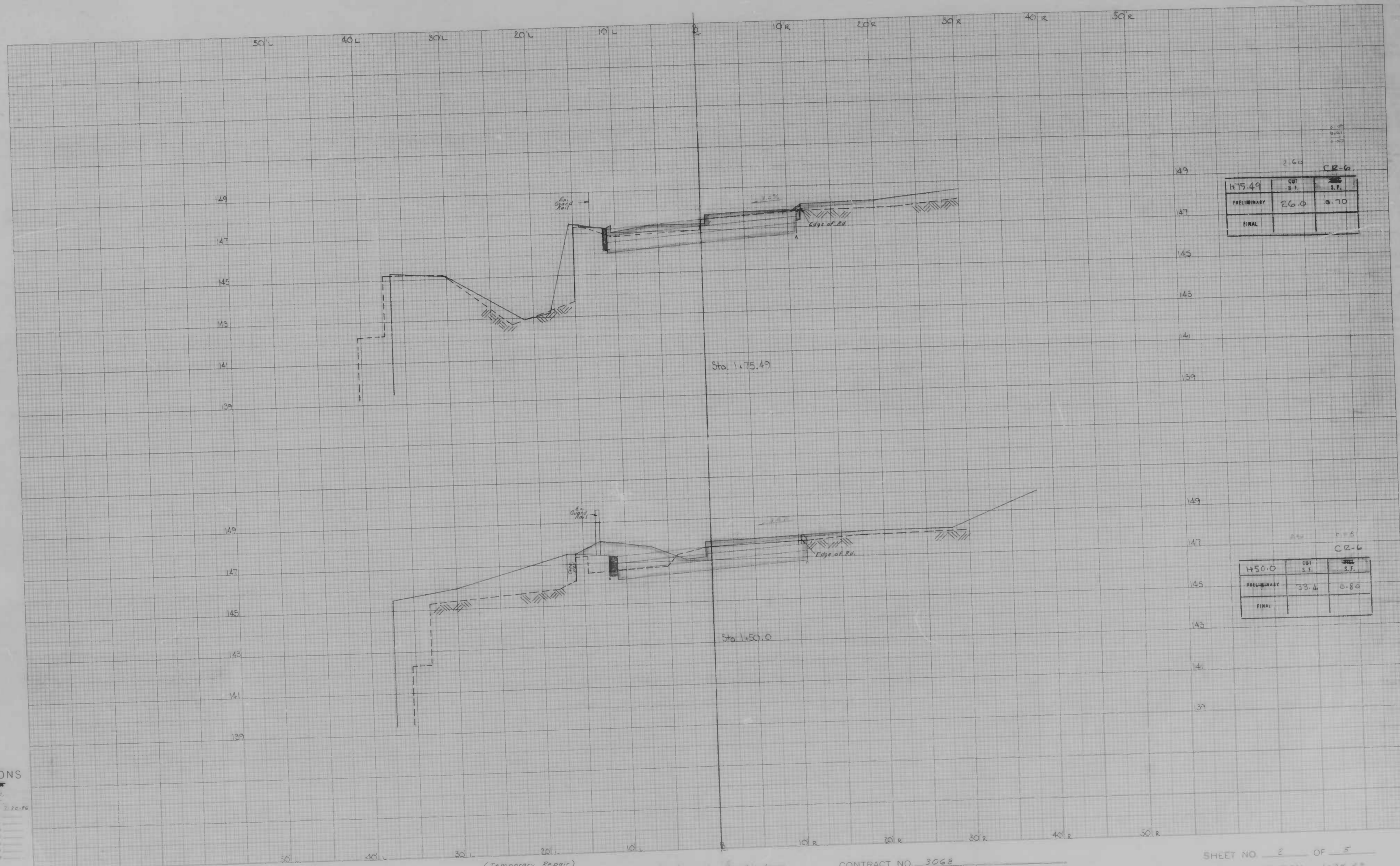
Scale 1 inch = 5' Hor. 2' Vert.  
 Original Designed by: [Signature]  
 Original Checked by: [Signature]  
 Original Created by: [Signature]  
 Date: 10/13/05  
 Area To: [Signature]  
 Date: [Signature]  
 Final Checked by: [Signature]  
 Date: [Signature]  
 Area Checked by: [Signature]  
 Date: [Signature]

BOOK NO L-1118

PROJECT WINDSOR MILL ROAD  
 DESCRIPTION Tucker Lane to Wetheradsville Road

CONTRACT NO 3068

SHEET NO 1 OF 32  
 STATION 5+00 TO STATION 8+50



175.49	CUT	26.0	FILL	0.70
	PRELIMINARY	26.0		0.70
	FINAL			

150.0	CUT	33.4	FILL	0.80
	PRELIMINARY	33.4		0.80
	FINAL			

**CROSS SECTIONS**  
 Scale 1 inch = 5' Vert.  
 Original Plotted by M. J. ...  
 Original Checked by ...  
 Template by ...  
 Area by ...  
 Plotted by ...  
 Check by ...  
 Area by ...  
 Area Checked by ...

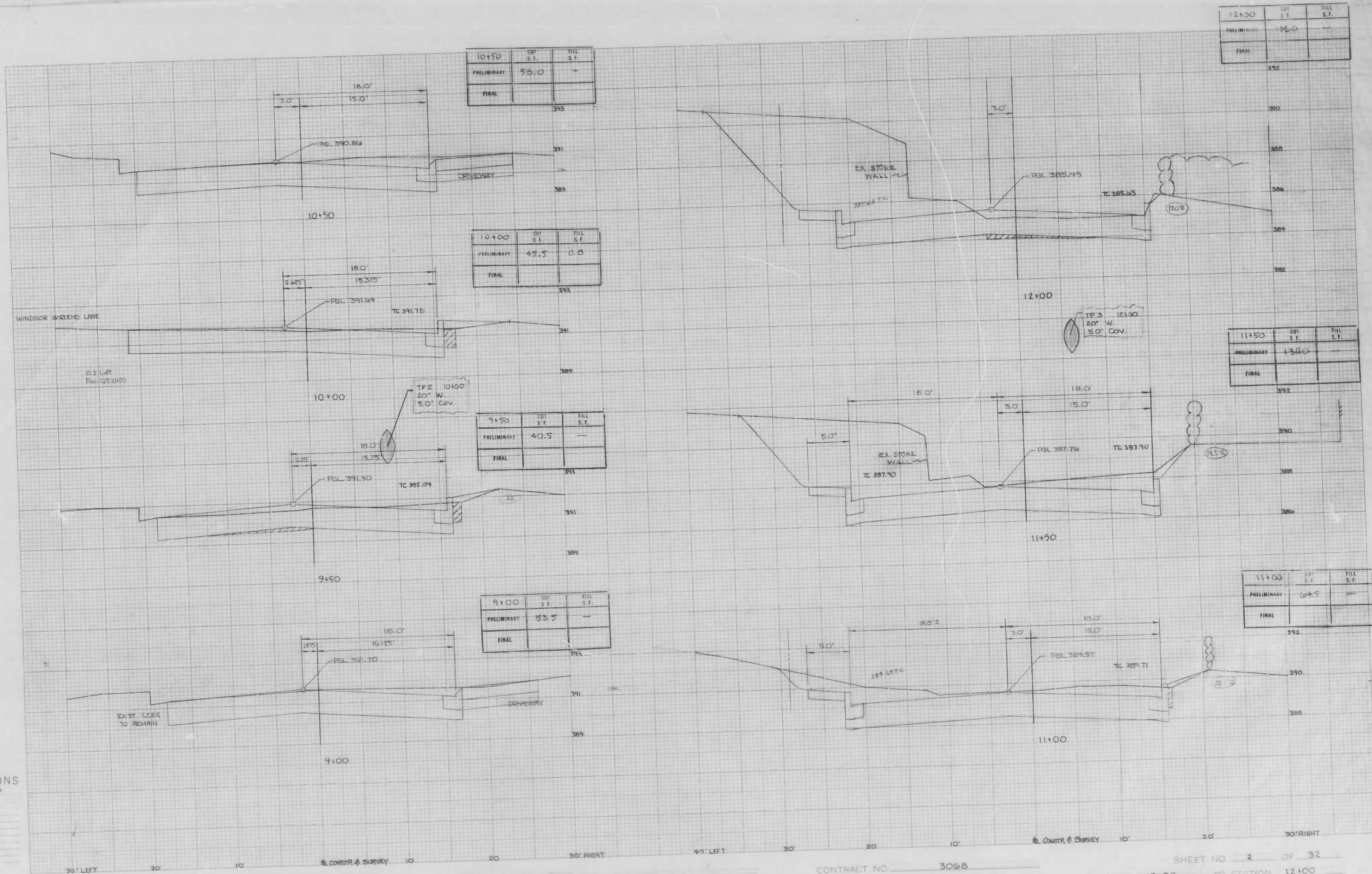
BOOK NO. None (Plotted from Taps)

PROJECT (Temporary Repair) Wettersville Rd., 350' W. of Franklinton to Franklinton

CONTRACT NO. 3068  
 Cross Sections

SHEET NO. 5 OF 5  
 STATION 1+50 TO STATION 1+75.49

DESCRIPTION



10+50	CUT S.F.	FILL S.F.
PRELIMINARY	58.0	
FINAL		

10+00	CUT S.F.	FILL S.F.
PRELIMINARY	45.5	0.8
FINAL		

9+50	CUT S.F.	FILL S.F.
PRELIMINARY	40.5	
FINAL		

9+00	CUT S.F.	FILL S.F.
PRELIMINARY	53.5	
FINAL		

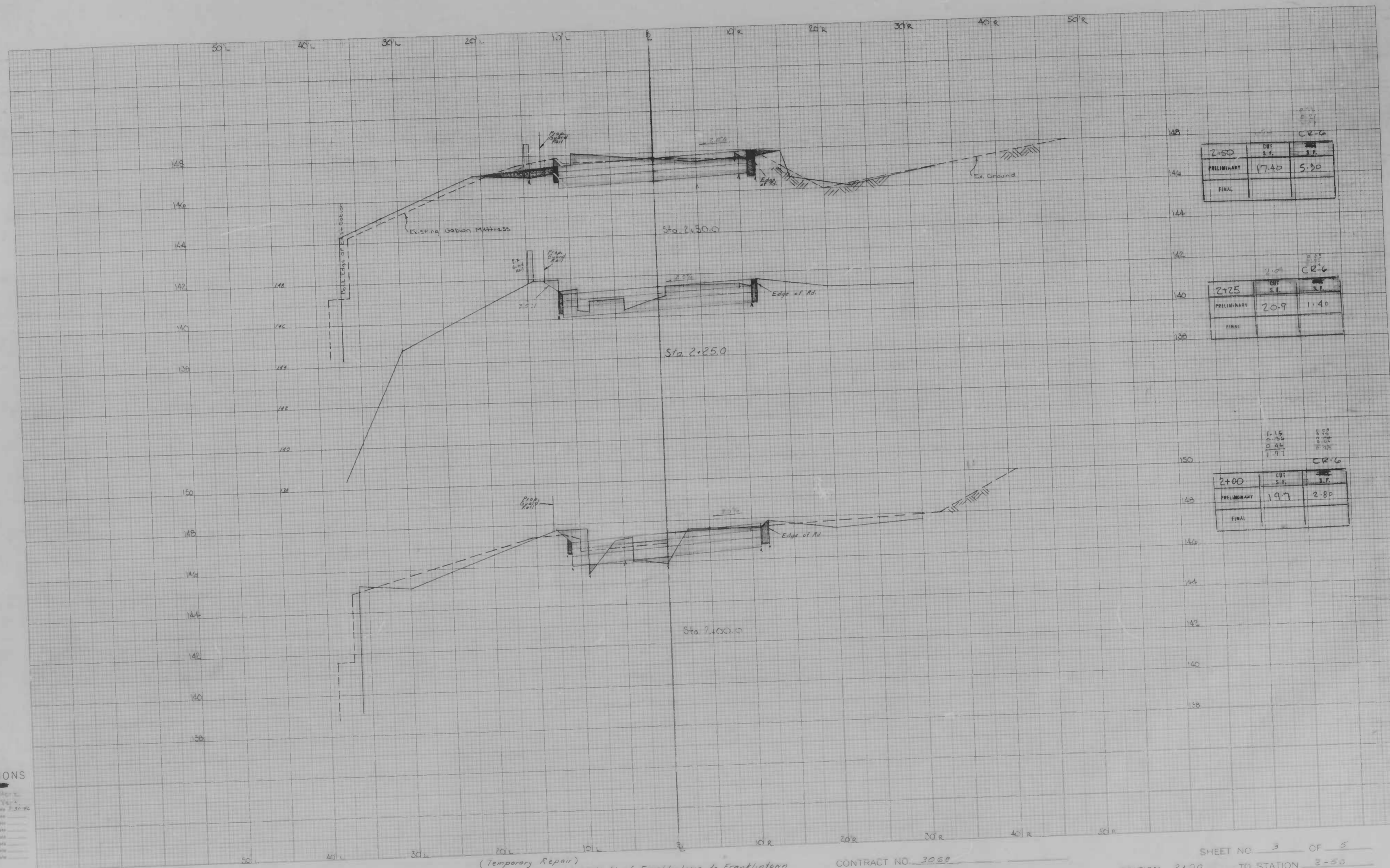
12+00	CUT S.F.	FILL S.F.
PRELIMINARY	136.0	
FINAL		

11+50	CUT S.F.	FILL S.F.
PRELIMINARY	130.0	
FINAL		

11+00	CUT S.F.	FILL S.F.
PRELIMINARY	64.5	
FINAL		

CROSS SECTIONS

Scale 1 inch = 5' Hor. 2' Vert.  
 Original Plotted by \_\_\_\_\_ Date \_\_\_\_\_  
 Original Checked by \_\_\_\_\_ Date \_\_\_\_\_  
 Template by \_\_\_\_\_ Date \_\_\_\_\_  
 Area by \_\_\_\_\_ Date \_\_\_\_\_  
 Plans Plotted by \_\_\_\_\_ Date \_\_\_\_\_  
 Final Checked by \_\_\_\_\_ Date \_\_\_\_\_  
 Area by \_\_\_\_\_ Date \_\_\_\_\_  
 Area Checked by \_\_\_\_\_ Date \_\_\_\_\_



CROSS SECTIONS

Scale 1 inch = 10 feet  
 Original Made by M. J. ...  
 Checked by ...  
 Prepared by ...  
 Plotted by ...  
 Area by ...  
 Area checked by ...  
 Area by ...

BOOK NO. None (Plotted from Tapes)

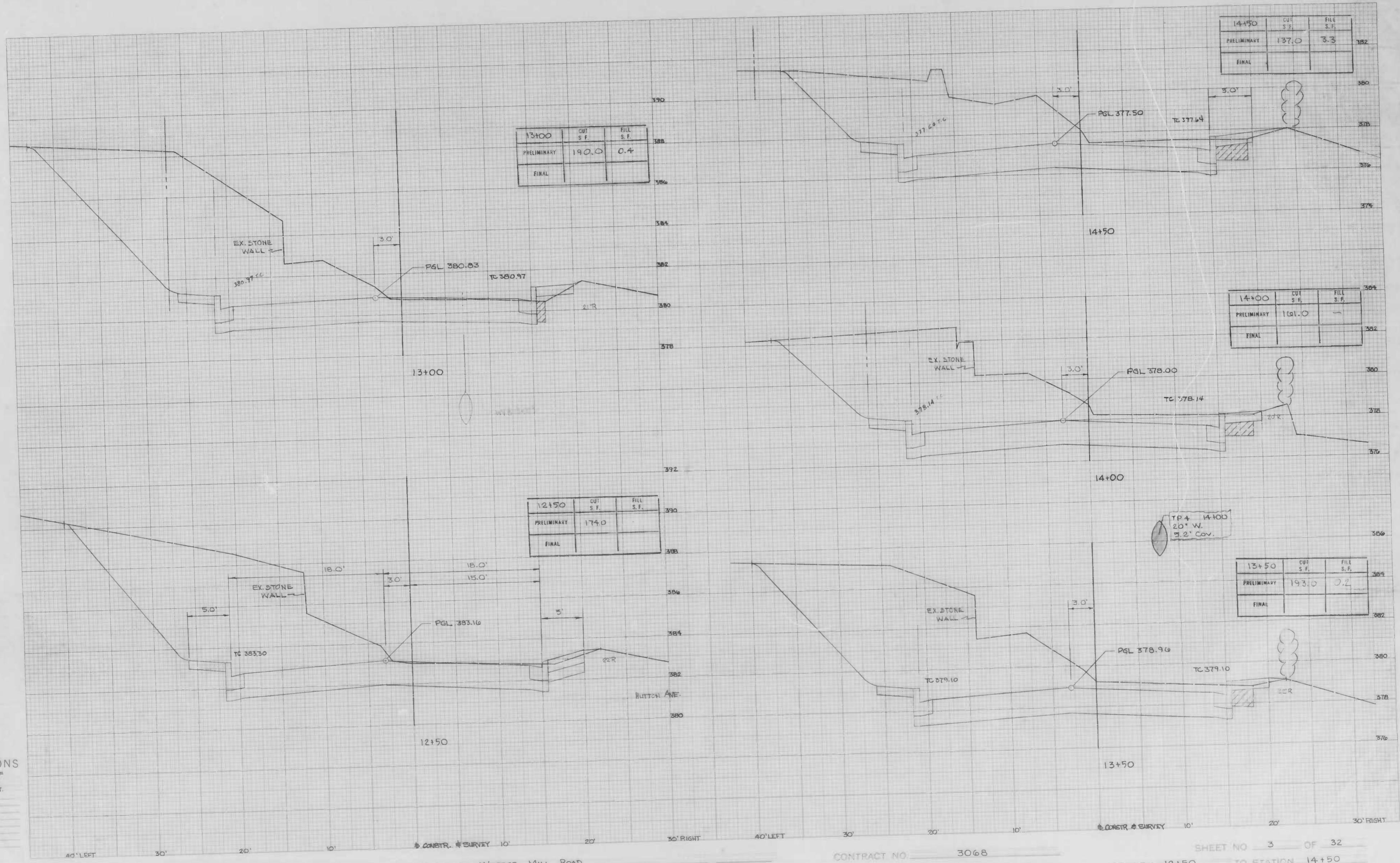
(Temporary Repair)  
 PROJECT Wetheredsville Rd. 350' W of Franklinton to Franklinton

DESCRIPTION

CONTRACT NO. 3068

Cross - Sections

SHEET NO. 3 OF 5  
 STATION 2+00 TO STATION 2+50



**CROSS SECTIONS**  
 Scale 1 inch = 20' Hor.  
 2" Vert.

Original Station by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Original Checked by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Template by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Area by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Final Plotted by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Final Checked by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Area by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Area Checked by: \_\_\_\_\_ Date: \_\_\_\_\_

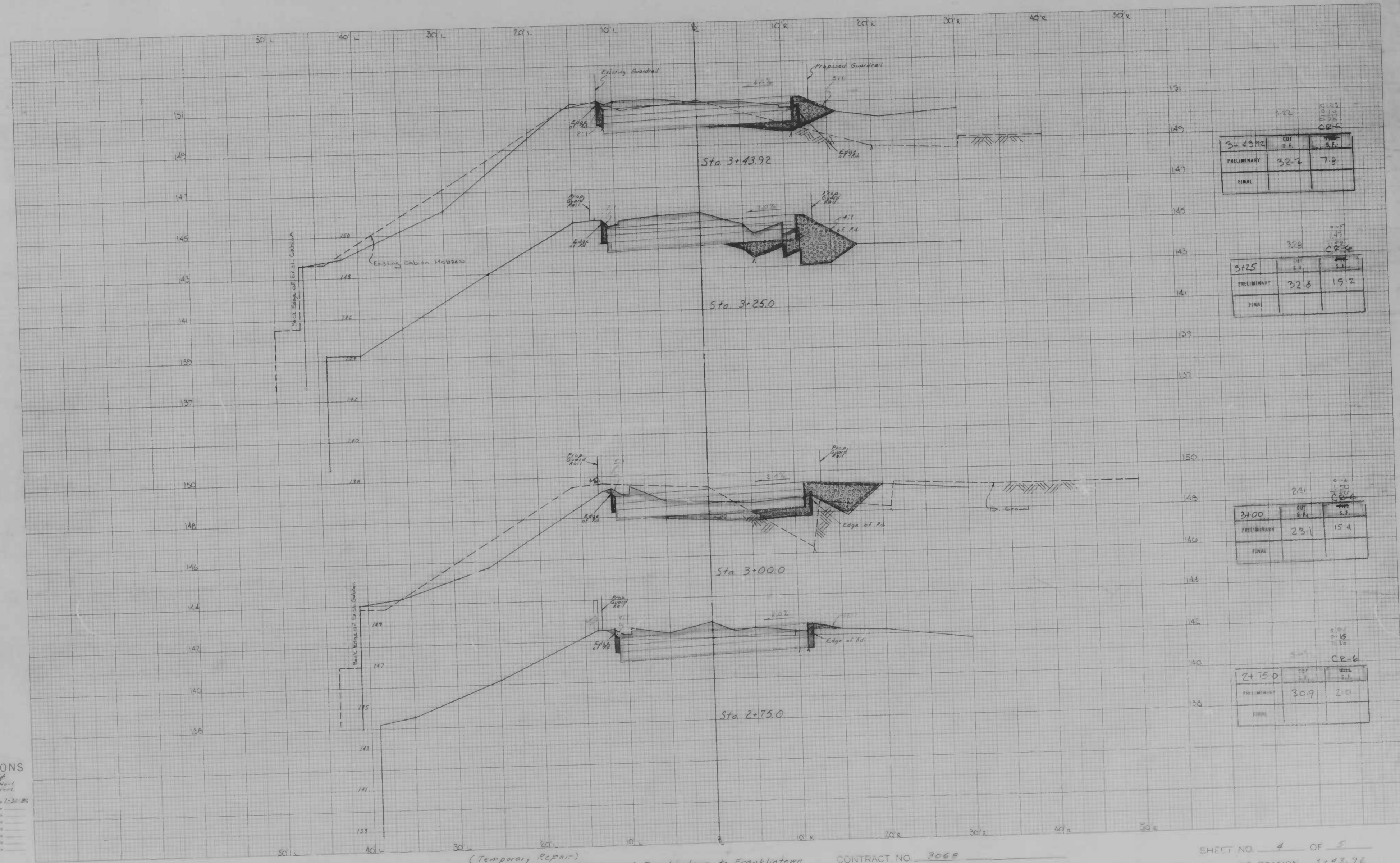
BOOK NO. L-111B Pg. 36

PROJECT WINDSOR MILL ROAD  
 DESCRIPTION Tucker Lane to Wetheredsville Road

CONTRACT NO. 3068

SHEET NO. 3 OF 32  
 STATION 12+50 TO STATION 14+50

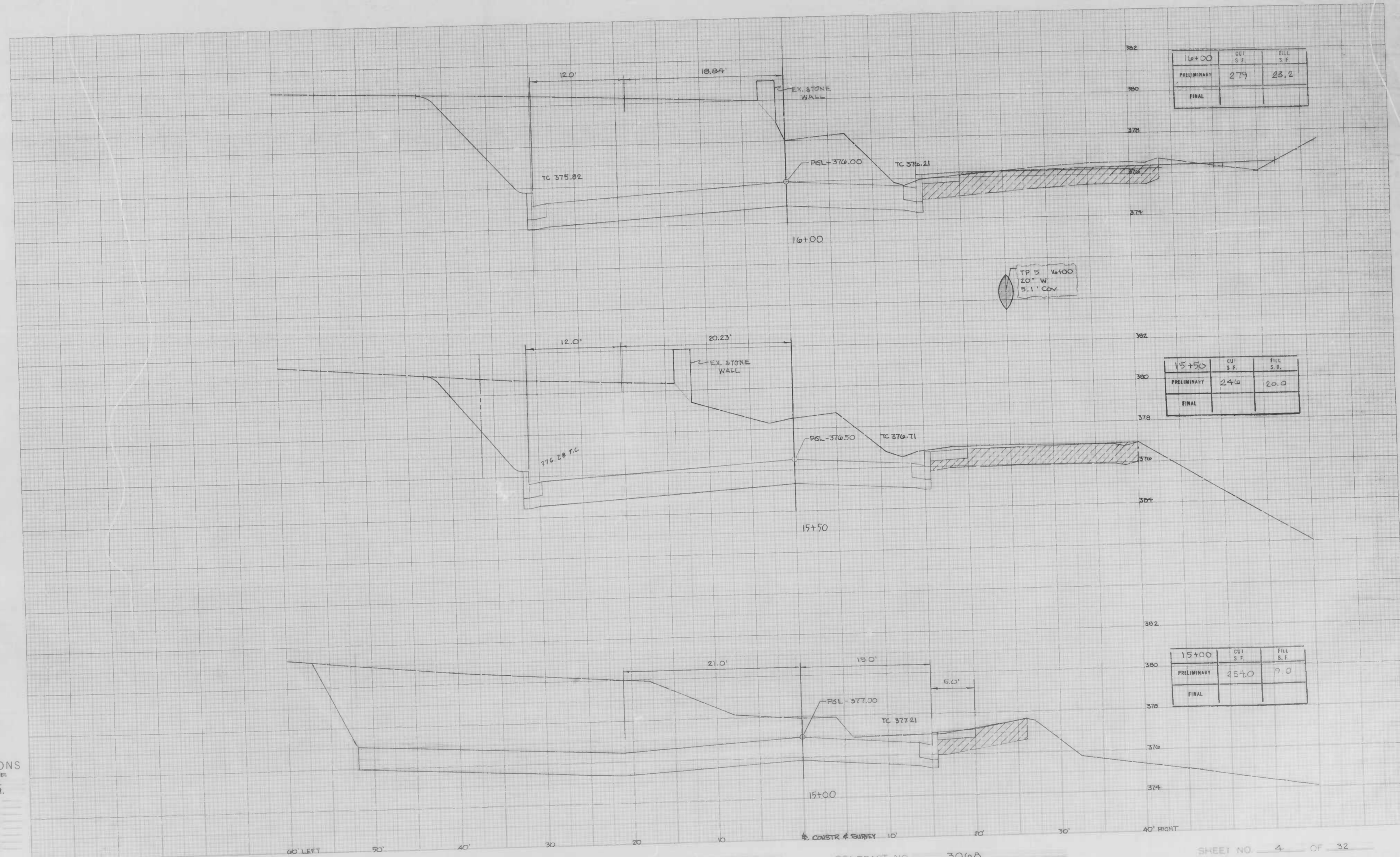
TP 4 14+00  
 20' W.  
 3.2' Cov.



**CROSS SECTIONS**  
 Scale 1 inch = 10 feet  
 2" = 10' - 0"

Original Plotted by: M. Lomas Date: 7-30-85  
 Design Checked by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Transcribed by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Area by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Final Plotted by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Final Checked by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Area by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Area Checked by: \_\_\_\_\_ Date: \_\_\_\_\_





16+00	CUT S.F.	FILL S.F.
PRELIMINARY	279	23.2
FINAL		

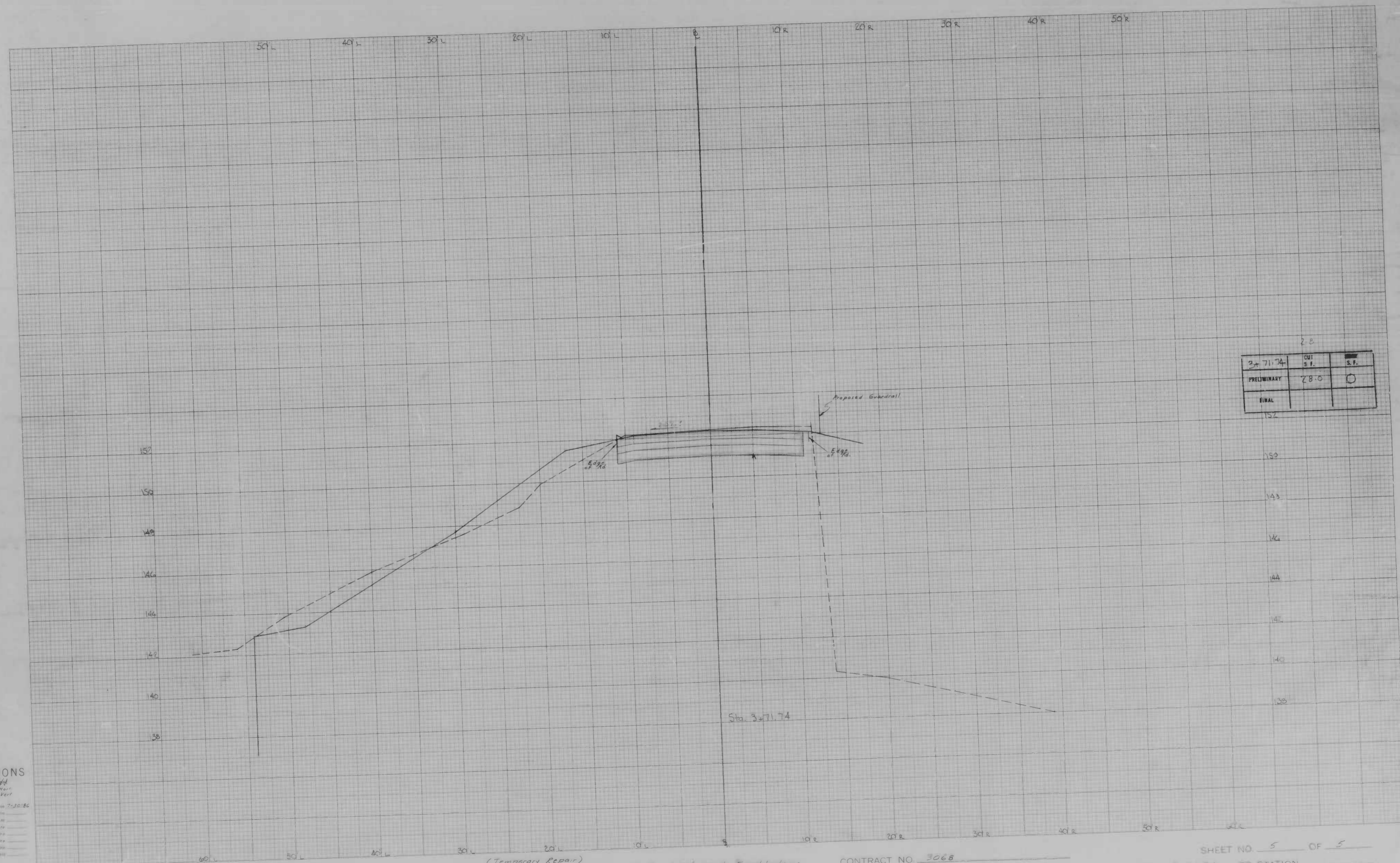
15+50	CUT S.F.	FILL S.F.
PRELIMINARY	246	20.0
FINAL		

15+00	CUT S.F.	FILL S.F.
PRELIMINARY	254.0	19.0
FINAL		

CROSS SECTIONS

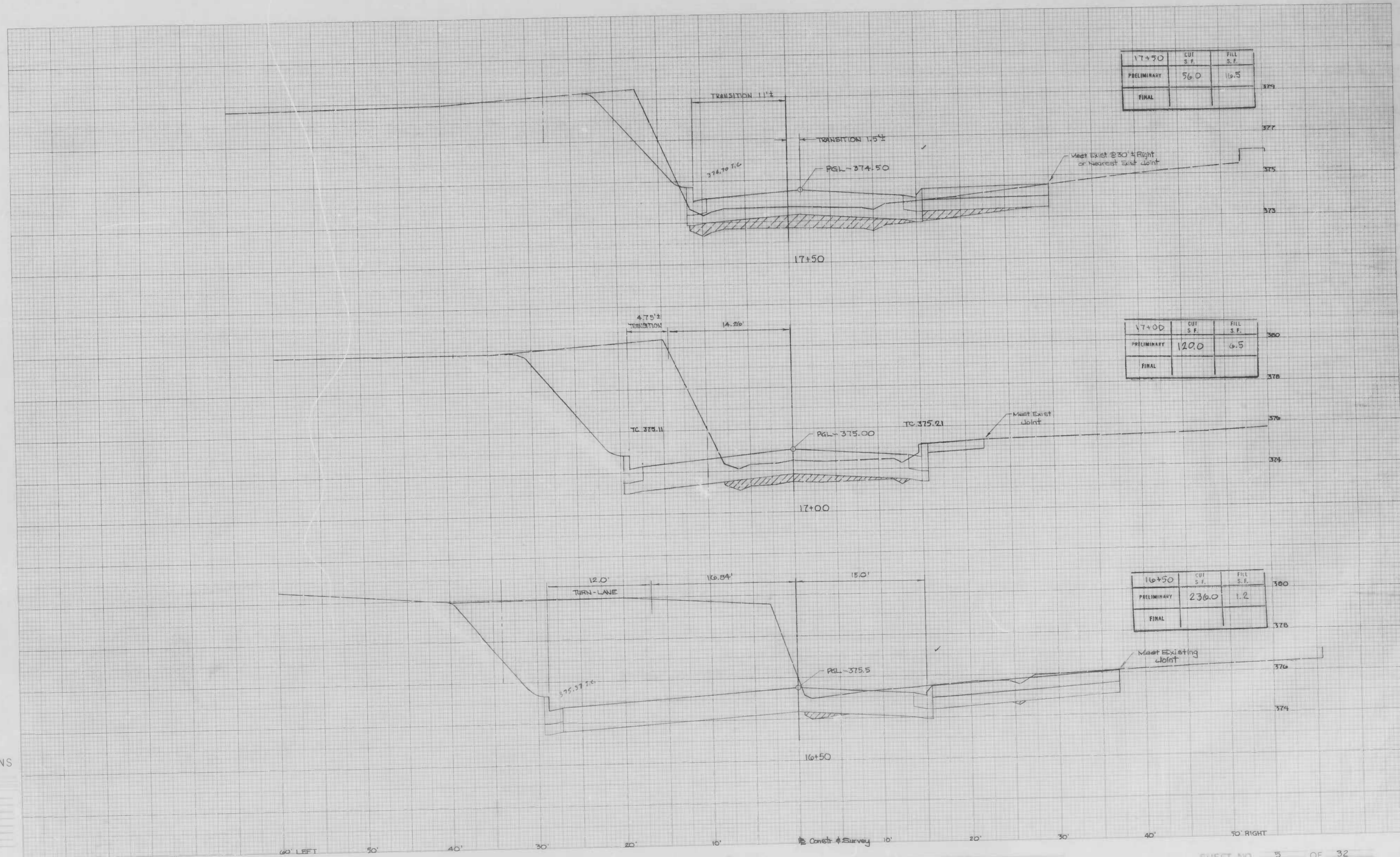
Scale 1 inch = 20' Hor.  
2' Vert.

Original Plotted by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Original Checked by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Template by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Area by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Final Plotted by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Final Checked by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Area by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Area Checked by: \_\_\_\_\_ Date: \_\_\_\_\_



**CROSS SECTIONS**

Scale 1 inch =  $\frac{100}{1}$  feet  
 Original Plotted by M. J. [unclear] Date 7-20-56  
 Original Checked by \_\_\_\_\_ Date \_\_\_\_\_  
 Transferred by \_\_\_\_\_ Date \_\_\_\_\_  
 Area by \_\_\_\_\_ Date \_\_\_\_\_  
 Final Plotted by \_\_\_\_\_ Date \_\_\_\_\_  
 Final Checked by \_\_\_\_\_ Date \_\_\_\_\_  
 Area by \_\_\_\_\_ Date \_\_\_\_\_  
 Area Checked by \_\_\_\_\_ Date \_\_\_\_\_



CROSS SECTIONS

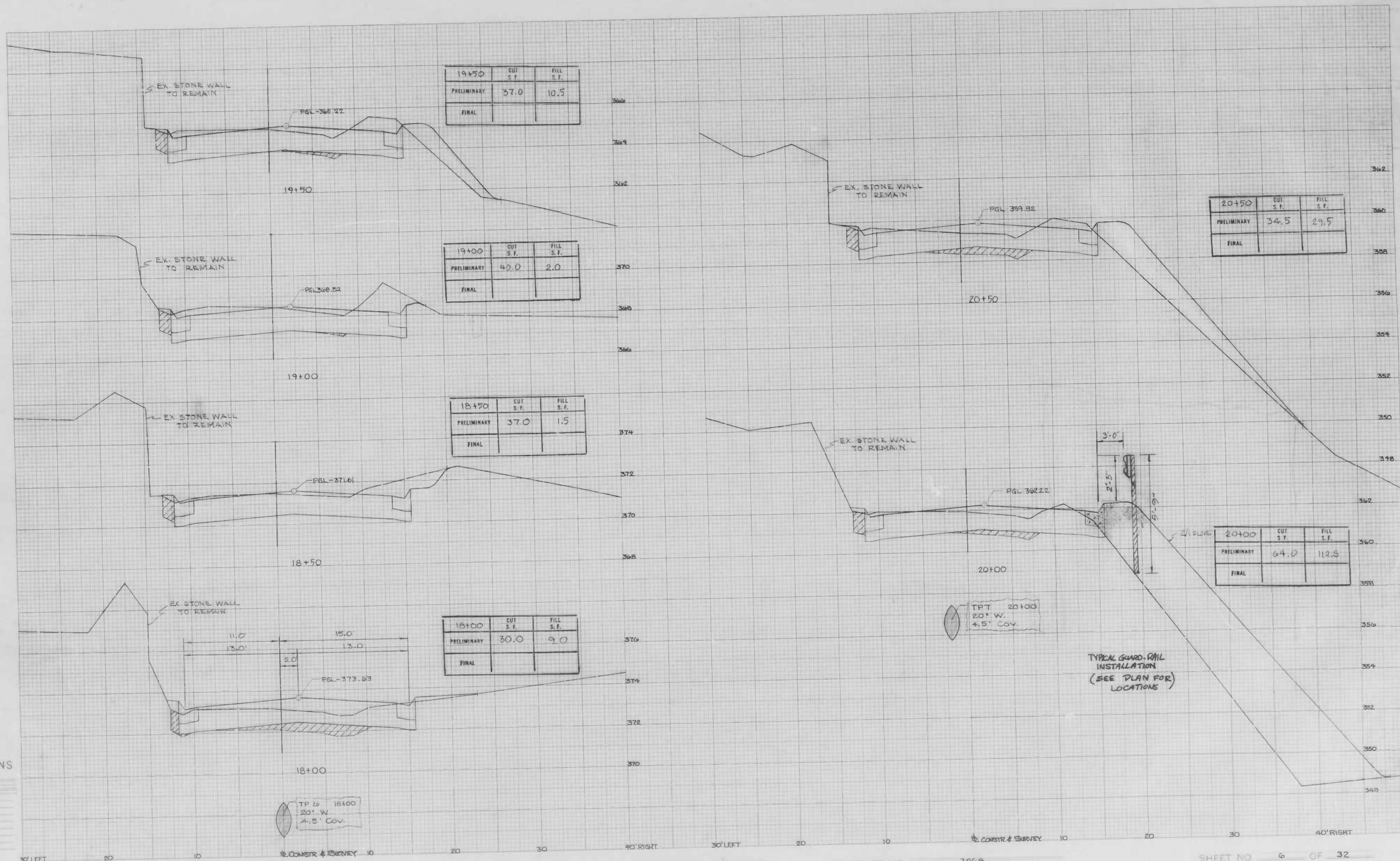
Scale 1 inch = 5' Hor. / 2' Vert.  
 Original Plotted by: [Signature]  
 Original Checked by: [Signature]  
 Template by: [Signature]  
 Area by: [Signature]  
 Plans Plotted by: [Signature]  
 Plans Checked by: [Signature]  
 Area by: [Signature]  
 Area Checked by: [Signature]

BOOK NO. L-1118 Pg. 40

PROJECT WINDSOR MILL ROAD  
 DESCRIPTION Tucker Lane to Wetheredsville Road

CONTRACT NO. 3068

SHEET NO. 5 OF 32  
 STATION 16+50 TO STATION 17+50



CROSS SECTIONS

Scale 1 inch = 5' Hor  
 2" Vert

Original Plotted by: [Signature] Date: \_\_\_\_\_  
 Original Checked by: [Signature] Date: \_\_\_\_\_  
 Template by: [Signature] Date: \_\_\_\_\_  
 Area by: [Signature] Date: \_\_\_\_\_  
 Final Plotted by: [Signature] Date: \_\_\_\_\_  
 Final Checked by: [Signature] Date: \_\_\_\_\_  
 Area by: [Signature] Date: \_\_\_\_\_  
 Area Checked by: [Signature] Date: \_\_\_\_\_

TP 16  
 20' W.  
 4.5' COV.

TP 7  
 20+00  
 20' W.  
 4.5' COV.

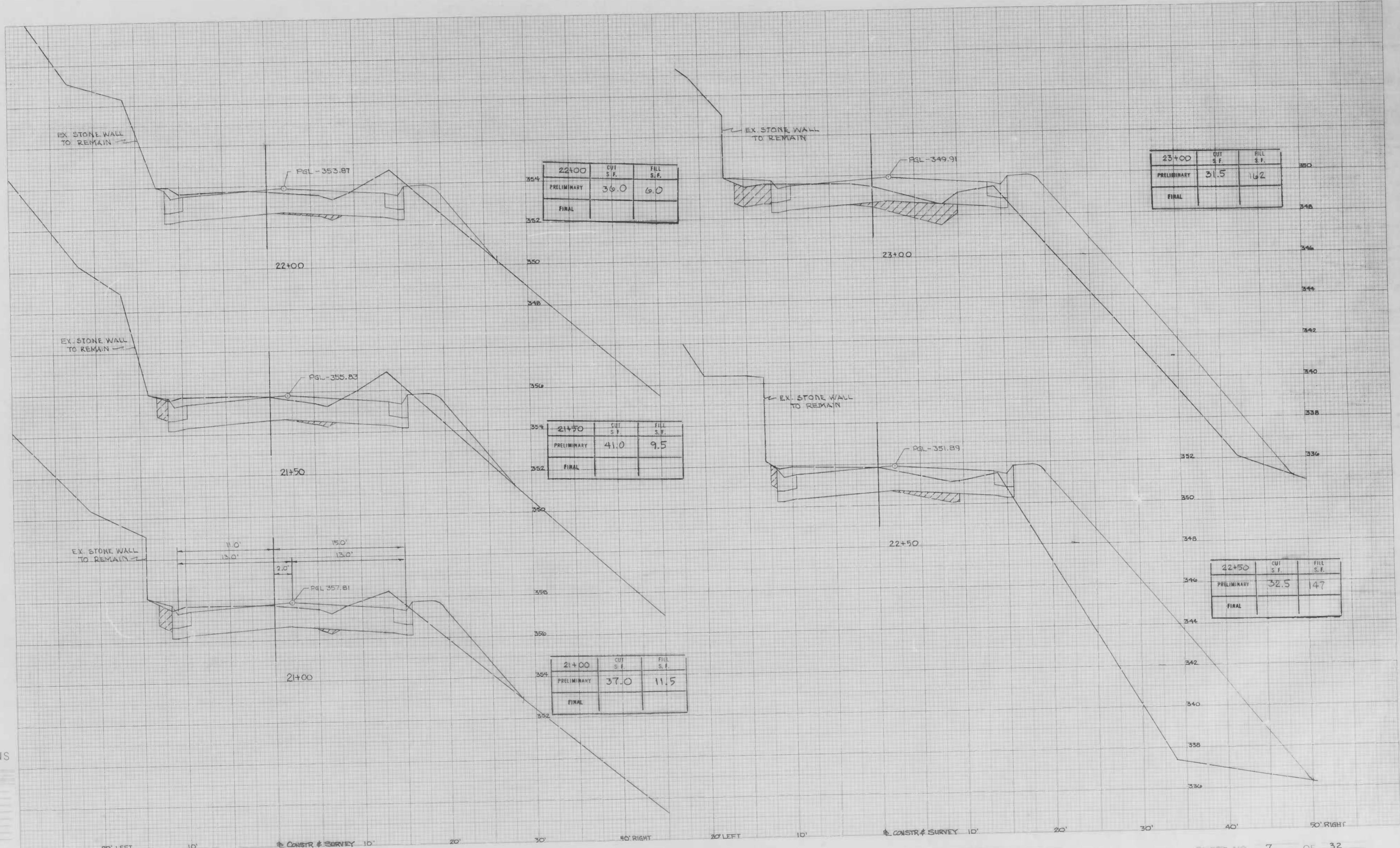
TYPICAL GUARD-RAIL  
 INSTALLATION  
 (SEE PLAN FOR  
 LOCATIONS)

BOOK NO. L-1118 # L-1113

PROJECT WINDSOR MILL ROAD  
 DESCRIPTION Tucker Lane to Wetheredsville Road

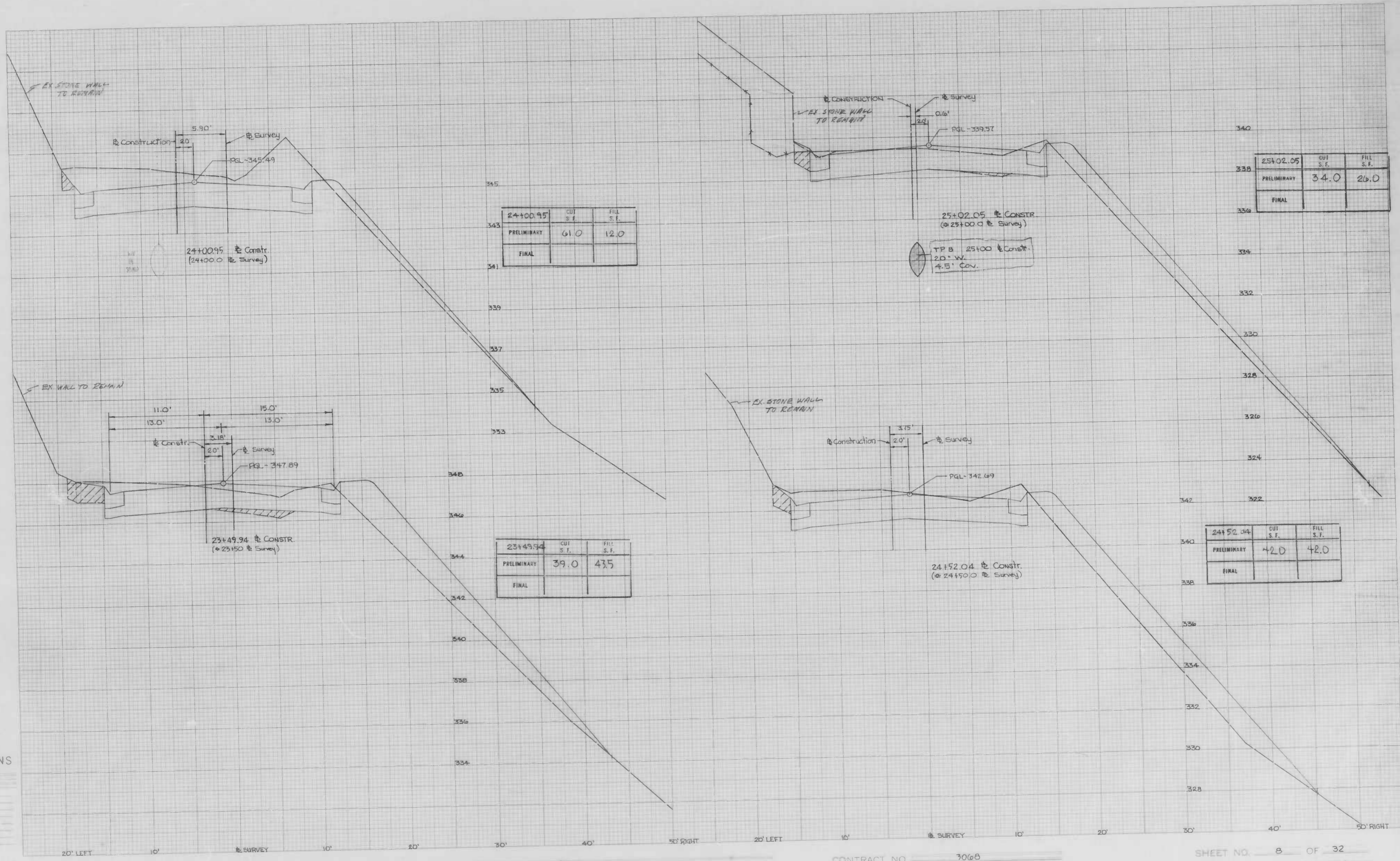
CONTRACT NO. 3068

SHEET NO 6 OF 32  
 STATION 18+00 TO STATION 20+50



CROSS SECTIONS

Scale 1 inch = 5' Hor. 2' Vert.  
 Original Plotted by [Signature]  
 Original Checked by [Signature]  
 Template by [Signature]  
 Area by [Signature]  
 Finish Plotted by [Signature]  
 Final Checked by [Signature]  
 Area by [Signature]  
 Area Checked by [Signature]



	CUT S.F.	FILL S.F.
24+00.95		
PRELIMINARY	61.0	12.0
FINAL		

	CUT S.F.	FILL S.F.
25+02.05		
PRELIMINARY	34.0	26.0
FINAL		

	CUT S.F.	FILL S.F.
23+49.94		
PRELIMINARY	39.0	43.5
FINAL		

	CUT S.F.	FILL S.F.
24+52.04		
PRELIMINARY	42.0	42.0
FINAL		

CROSS SECTIONS  
 Scale 1 inch = 20 feet  
 5' Hor.  
 2' Vert.

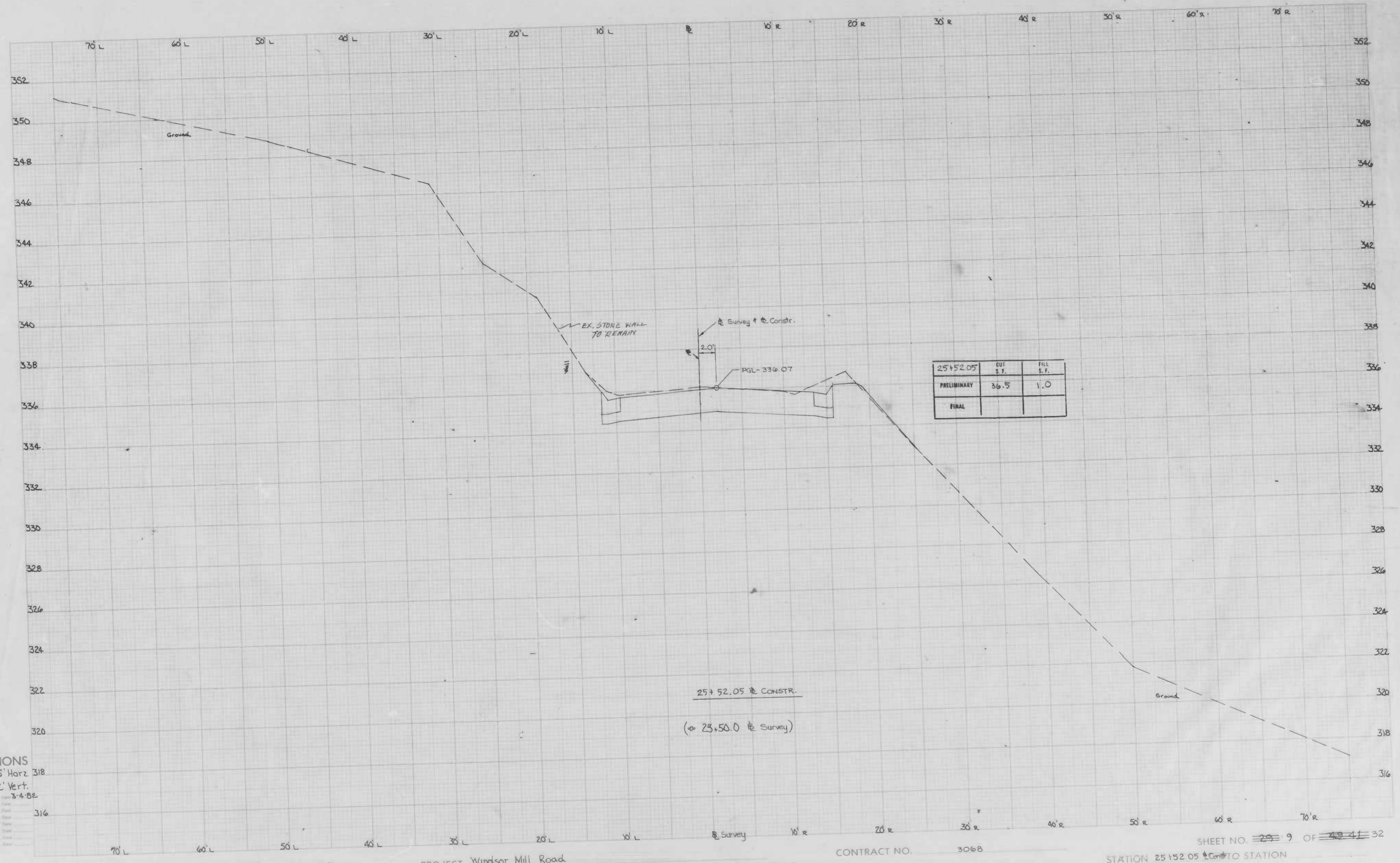
Original Plotted by: [Signature]  
 Original Checked by: [Signature]  
 Transcribed by: [Signature]  
 Area by: [Signature]  
 Final Plotted by: [Signature]  
 Final Checked by: [Signature]  
 Area by: [Signature]  
 Area Checked by: [Signature]

BOOK NO. L-1133 Pg. 36

PROJECT WINDSOR MILL ROAD  
 DESCRIPTION Tacker Lane to Wetheredsville Road

CONTRACT NO. 3068

SHEET NO. 8 OF 32  
 STATION 23+49.94 @ Constr. TO STATION 25+02.05 @ Constr.  
 @ 23+50 @ Survey @ 25+00 @ Survey



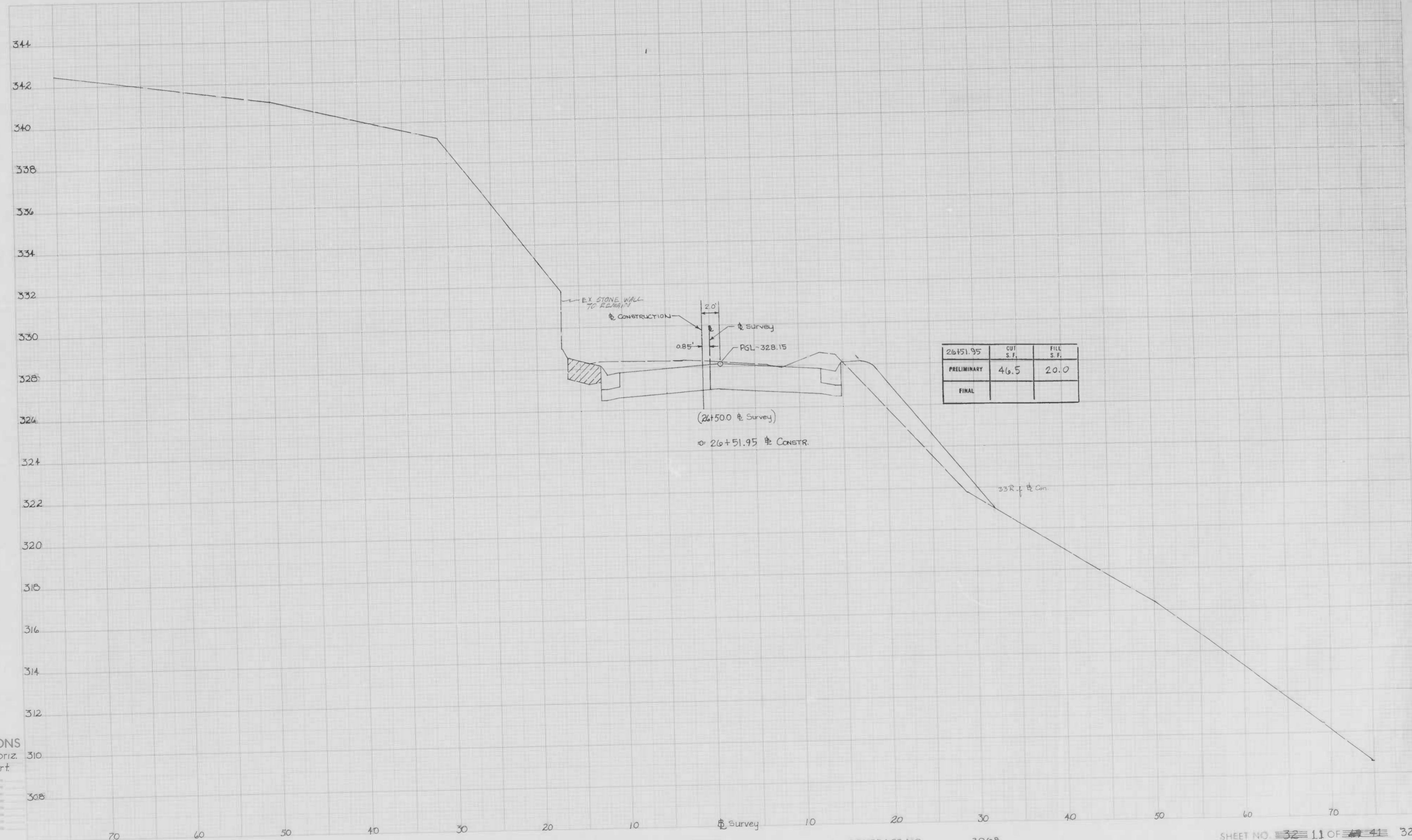
CROSS SECTIONS  
 Scale 1 inch = 5' Horiz 318  
 2' Vert.  
 Original Stationer M. Jones 3-4-82  
 Station 316

BOOK NO. L-1133 Pg 31

PROJECT Windsor Mill Road  
 DESCRIPTION Tucker Lane to Wetheredsville Road

CONTRACT NO. 3068

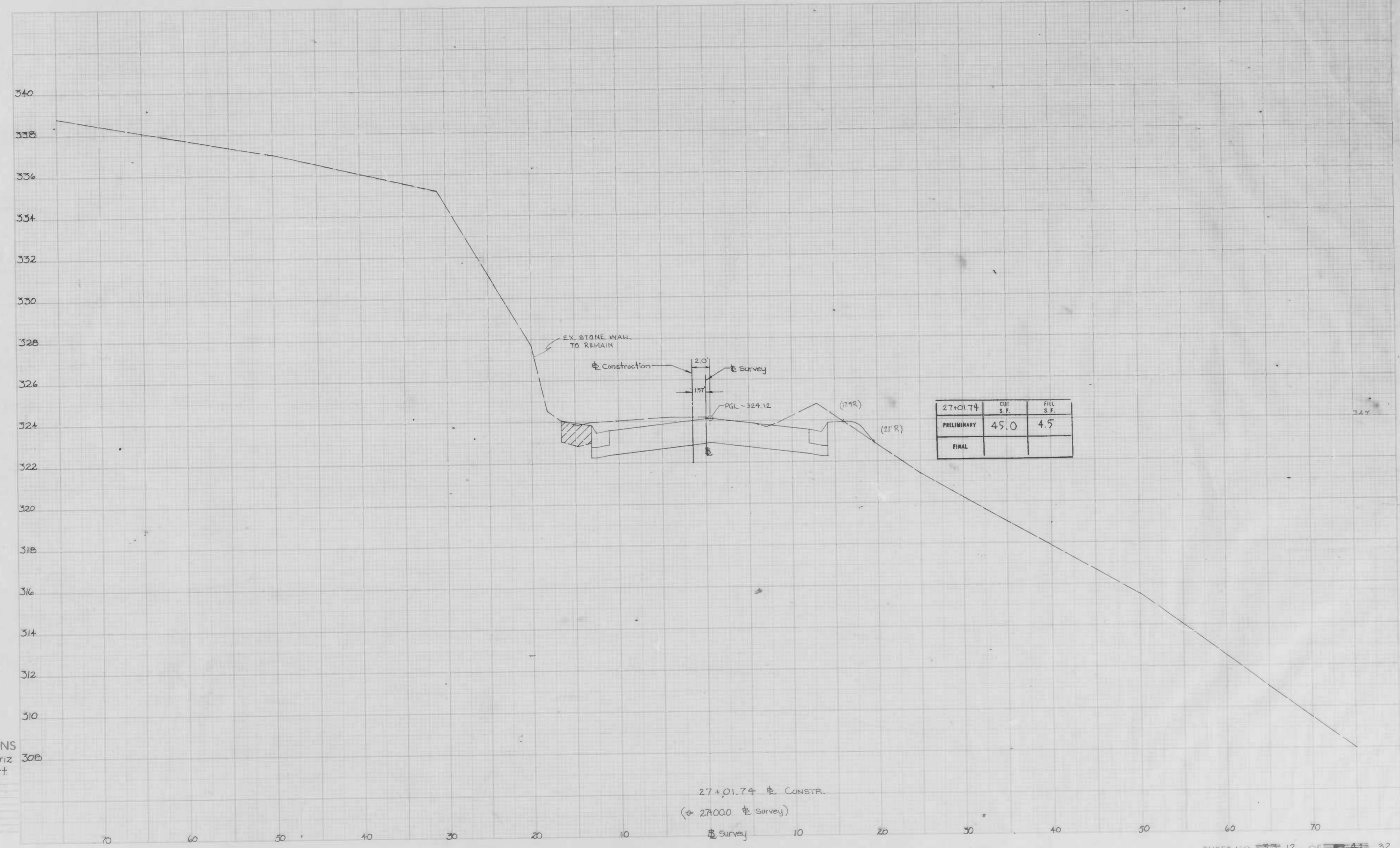
SHEET NO. 29 OF 41 32  
 STATION 25+52.05 TO STATION



**CROSS SECTIONS**  
Scale 1 inch = 5' Horiz.  
2" Vert.

Original Plans	Drawn
Original Plans	Checked
Original Plans	Reviewed
Original Plans	Approved
Original Plans	Drawn
Original Plans	Checked
Original Plans	Reviewed
Original Plans	Approved
Original Plans	Drawn
Original Plans	Checked
Original Plans	Reviewed
Original Plans	Approved





CROSS SECTIONS  
Scale 1 inch = 5' Horiz  
2" Vert

Original Prepared by: [Blank]  
Checked by: [Blank]  
Reviewed by: [Blank]  
Date: [Blank]  
Project: [Blank]  
Scale: [Blank]  
Sheet: [Blank]  
By: [Blank]

BOOK NO. L-1133

27

PROJECT Windsor Mill Road

DESCRIPTION Tucker Lane to Wetheredsville Road

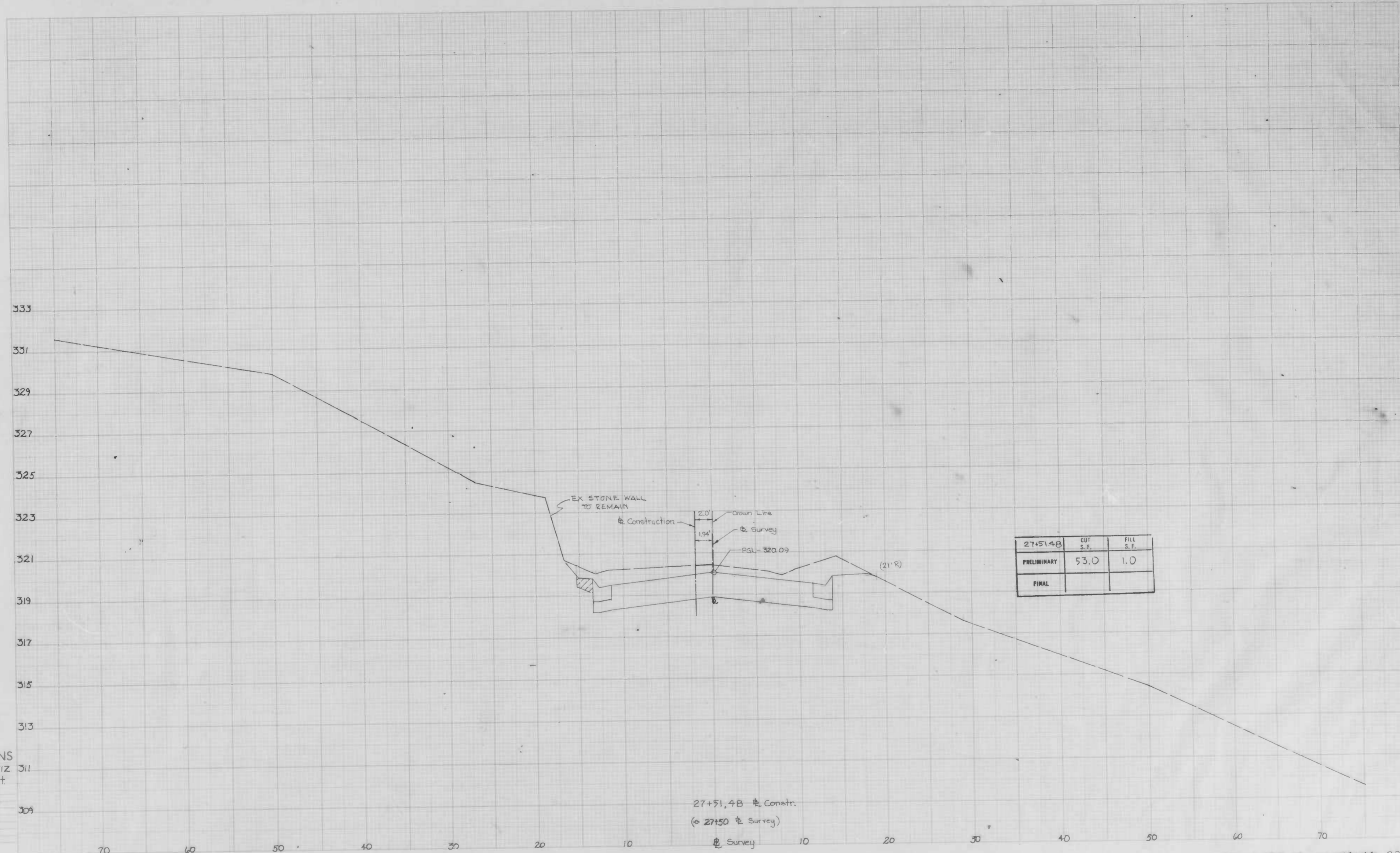
27+01.74 CONSTR.  
(+ 27+000 Survey)

CONTRACT NO.

3068

SHEET NO. 12 OF 42

STATION 27+01.74 CONSTR. TO STATION



CROSS SECTIONS  
Scale: 1 inch = 5' Horiz  
2' Vert

Original Proposed by: \_\_\_\_\_  
 Original Checked by: \_\_\_\_\_  
 Proposed by: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Checked by: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Date Checked: \_\_\_\_\_

BOOK NO. L-1183

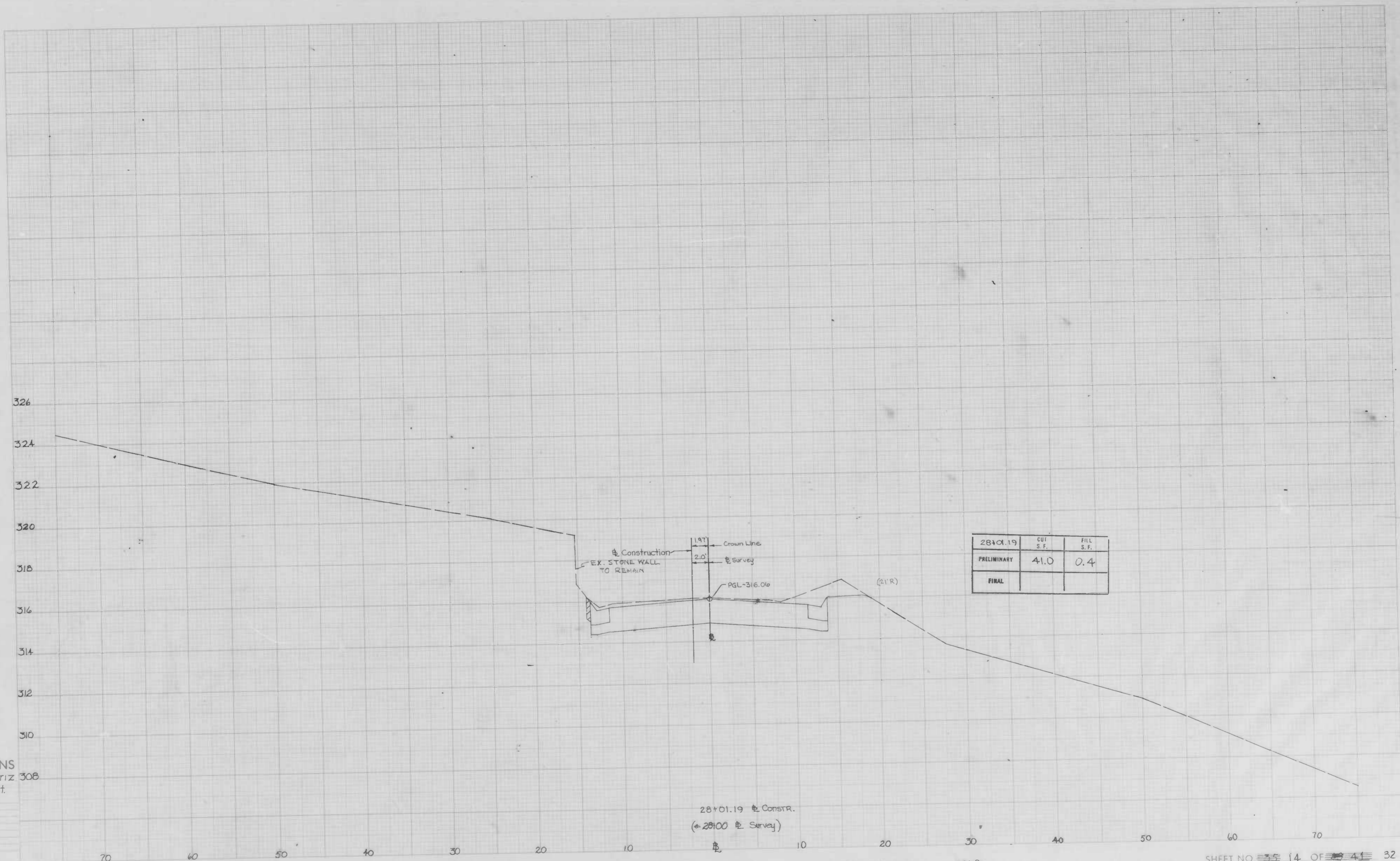
Pg. 216

PROJECT Windsor Mill Road  
 DESCRIPTION Tucker Lane to Wetheredsville Road

CONTRACT NO. 300B

SHEET NO. 15 OF 32  
 STATION 27+51.48 Const. TO STATION

27+51.48 Const.  
 @ 27+50 Survey



CROSS SECTIONS  
Scale 1 inch = 5' Horiz  
2' Vert

Designer: \_\_\_\_\_  
 Designer Checked by: \_\_\_\_\_  
 Translator: \_\_\_\_\_  
 Checker: \_\_\_\_\_  
 Project Engineer: \_\_\_\_\_  
 Field Engineer: \_\_\_\_\_  
 Surveyor: \_\_\_\_\_  
 Date: \_\_\_\_\_

BOOK NO. L 1133

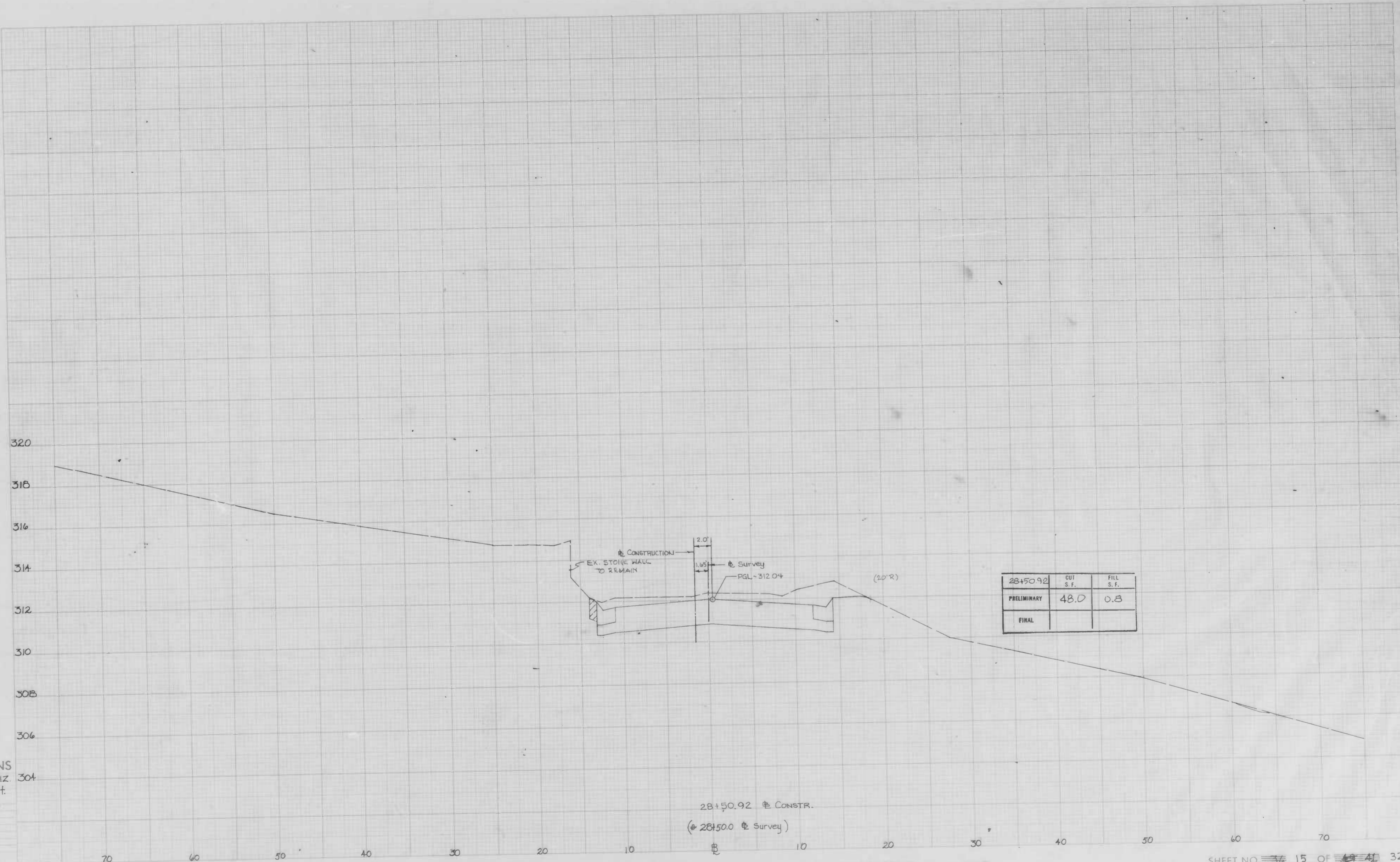
Pg. 25

PROJECT Windsor Mill Road  
DESCRIPTION Tucker Lane to Wetheredsville Road

28+01.19 CONSTR.  
(+28100 Survey)

CONTRACT NO. 3068

SHEET NO. 14 OF 32  
STATION 28+01.19 CONSTR. TO STATION



CROSS SECTIONS  
Scale: 1 inch = 5' Horiz  
2' Vert

- Original Ground by \_\_\_\_\_
- Proposed Ground by \_\_\_\_\_
- Proposed Pavement by \_\_\_\_\_
- Proposed Structure by \_\_\_\_\_
- Proposed Utility by \_\_\_\_\_
- Proposed Elevation by \_\_\_\_\_
- Proposed Station by \_\_\_\_\_

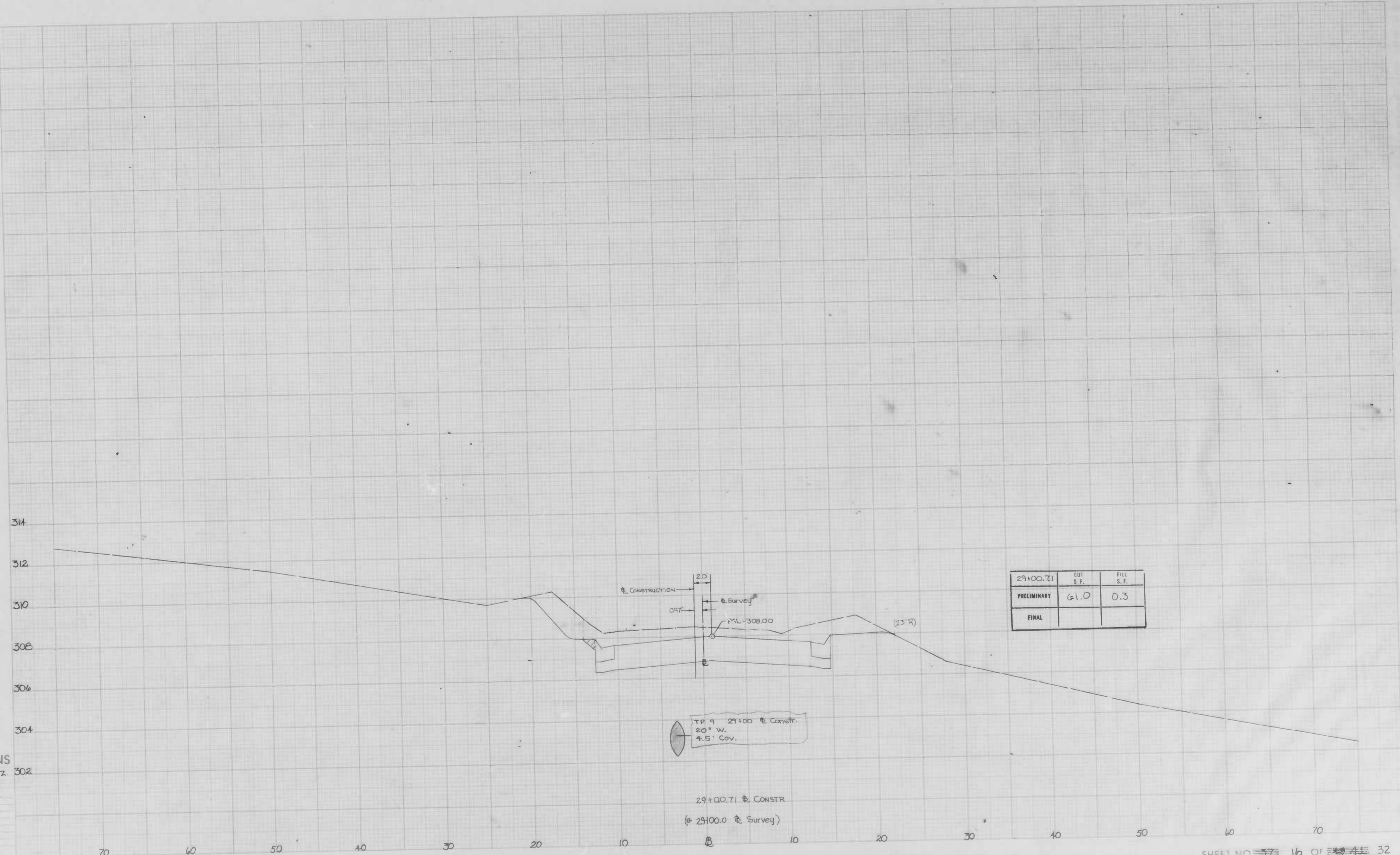
BOOK NO. L-1133. Pg 24

PROJECT Windsor Mill Road  
DESCRIPTION Tucker Lane to Wetheredsville Road

CONTRACT NO. 3005

SHEET NO. 15 OF 32  
STATION 28+50.92 CONSTR. TO STATION

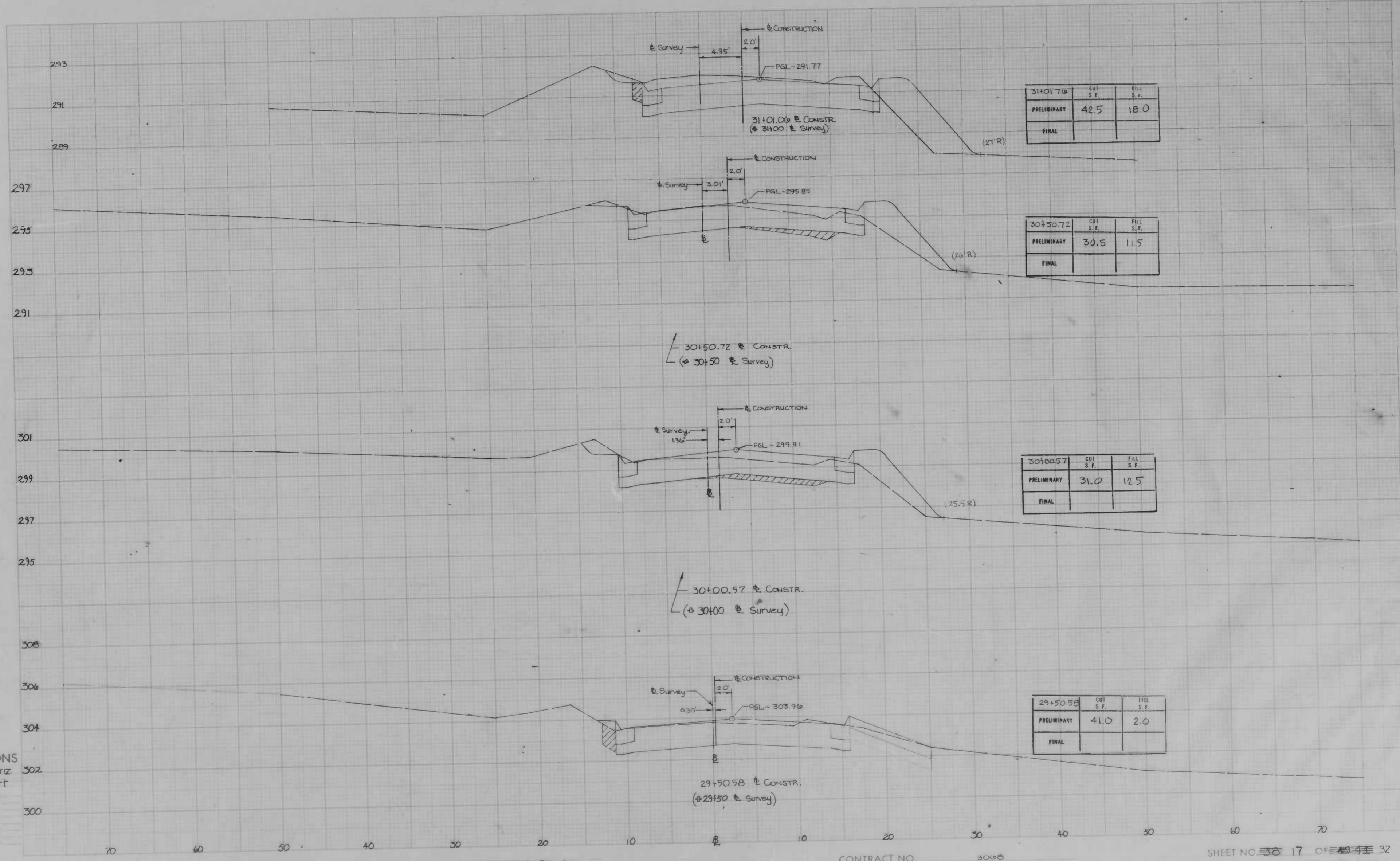
pt. 1



29+00.71	CUT S.F.	FILL S.F.
PRELIMINARY	61.0	0.3
FINAL		

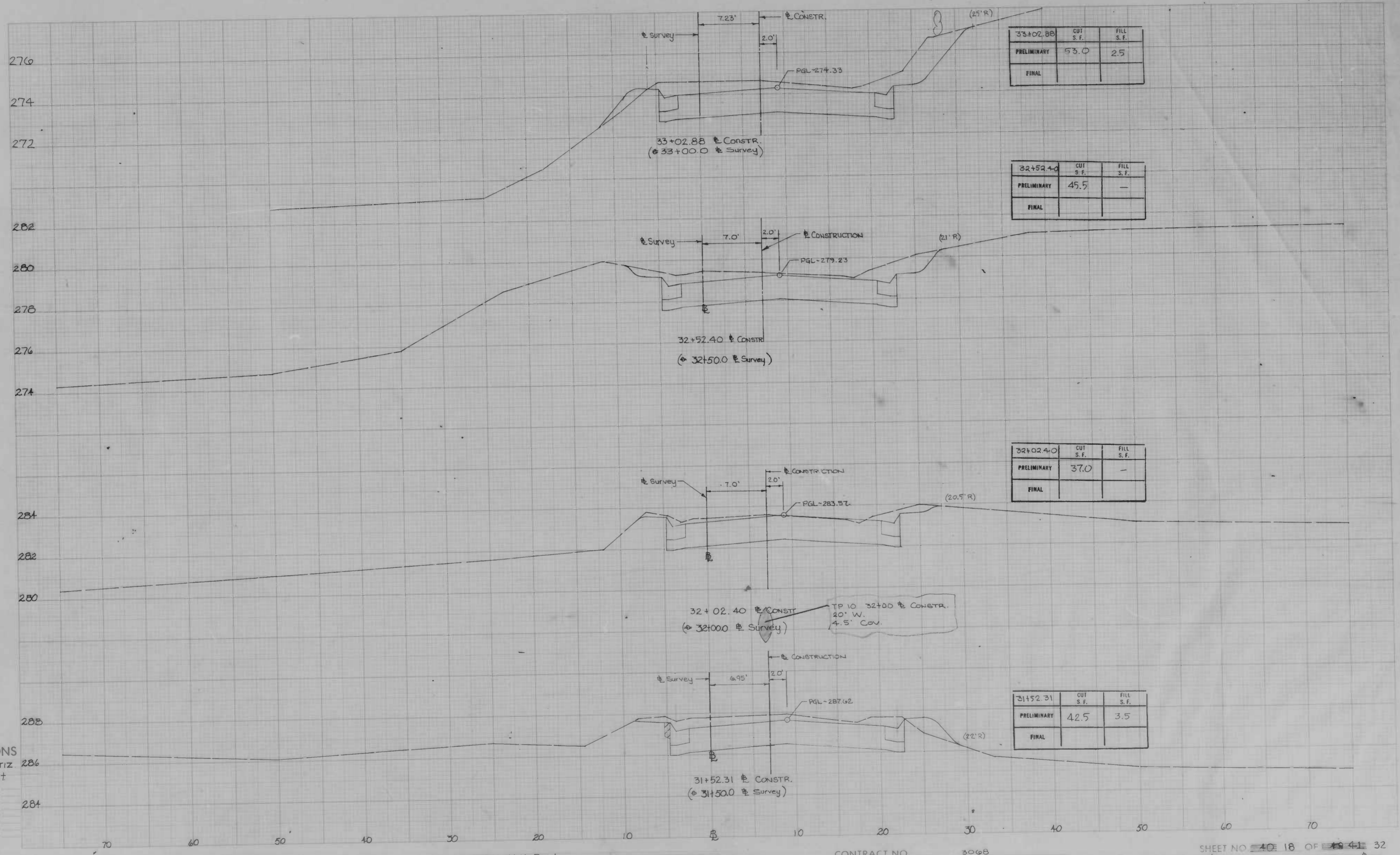
**CROSS SECTIONS**  
Scale 1" = 5' Horiz  
2" = 1' Vert

- Original Plotted by \_\_\_\_\_
- Original Checked by \_\_\_\_\_
- Revised by \_\_\_\_\_
- Revised by \_\_\_\_\_
- Revised by \_\_\_\_\_
- Revised by \_\_\_\_\_
- Revised by \_\_\_\_\_
- Revised by \_\_\_\_\_
- Revised by \_\_\_\_\_



CROSS SECTIONS  
 5' Horiz  
 2' Vert

Original Profile by \_\_\_\_\_  
 Original Channel by \_\_\_\_\_  
 Proposed by \_\_\_\_\_  
 Added by \_\_\_\_\_  
 Check Profile by \_\_\_\_\_  
 Final Channel by \_\_\_\_\_  
 Date \_\_\_\_\_



STATION	CUT S.F.	FILL S.F.
33+02.88	53.0	2.5
PRELIMINARY		
FINAL		

STATION	CUT S.F.	FILL S.F.
32+52.40	45.5	-
PRELIMINARY		
FINAL		

STATION	CUT S.F.	FILL S.F.
32+02.40	37.0	-
PRELIMINARY		
FINAL		

STATION	CUT S.F.	FILL S.F.
31+52.31	42.5	3.5
PRELIMINARY		
FINAL		

CROSS SECTIONS  
Scale: 1 inch = 5' Horiz  
2" Vert

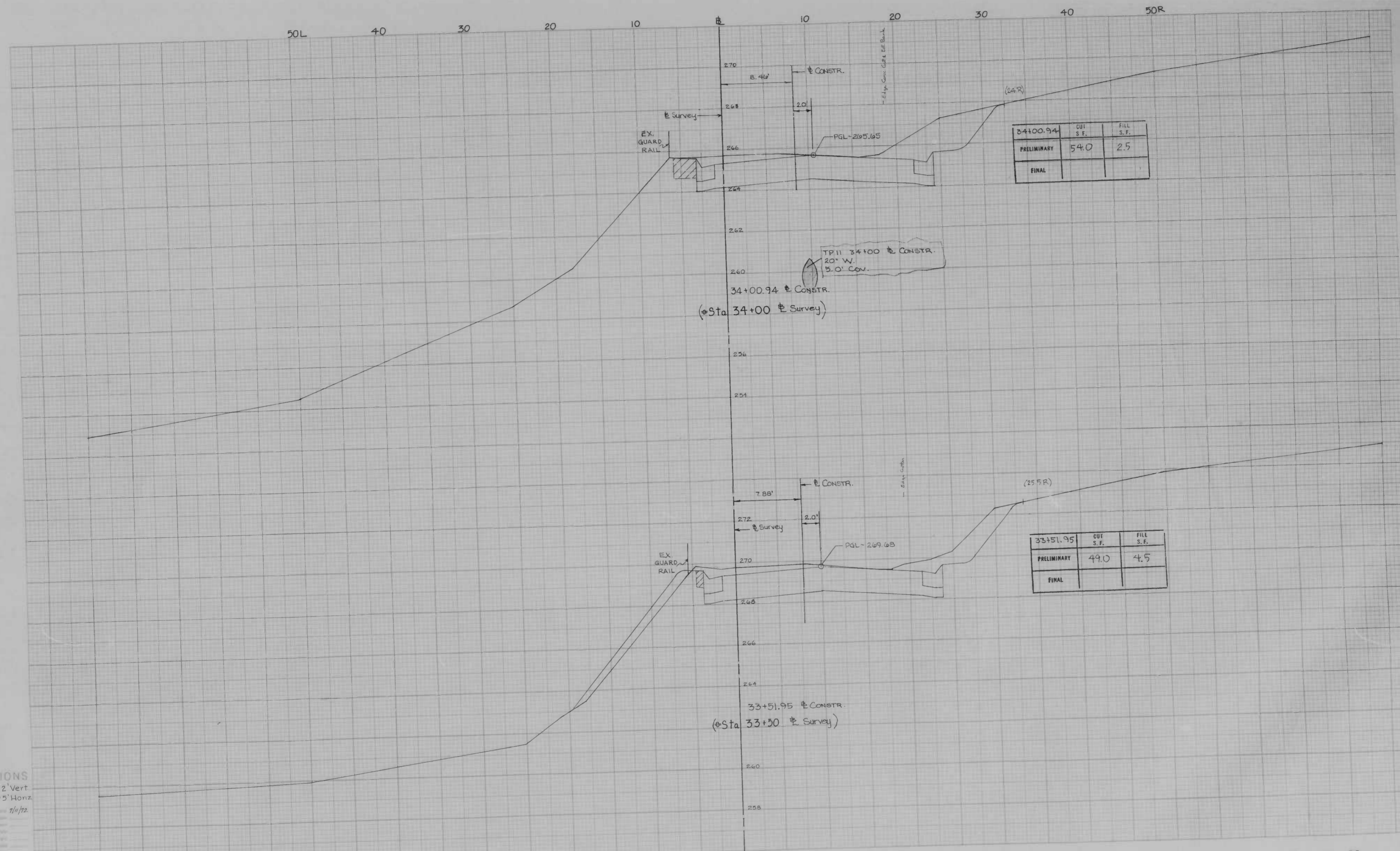
- Original Profile
- Proposed Profile
- Final Profile
- Right-of-Way
- Proposed Road
- Proposed Shoulder
- Proposed Ditch
- Proposed Embankment
- Proposed Cut
- Proposed Bridge
- Proposed Tunnel
- Proposed Structure

BOOK NO. L-1133 Pg. 16  
# 1582 Pg. 17

PROJECT Windsor Mill Road  
DESCRIPTION Tucker Lane to Wetheredsville Road

CONTRACT NO. 3068

SHEET NO. 18 OF 32  
STATION 31+50.0 SURVEY TO STATION 32+50.0 SURVEY  
31+52.31 CONSTR. 33+02.88 CONSTR.



CROSS SECTIONS

Scale: 1 inch = 2' Vert  
 5' Horiz

Designed by: G.J.B. Date: 7/1/72  
 Checked by: \_\_\_\_\_  
 Drawn by: \_\_\_\_\_  
 Project No.: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Checked by: \_\_\_\_\_

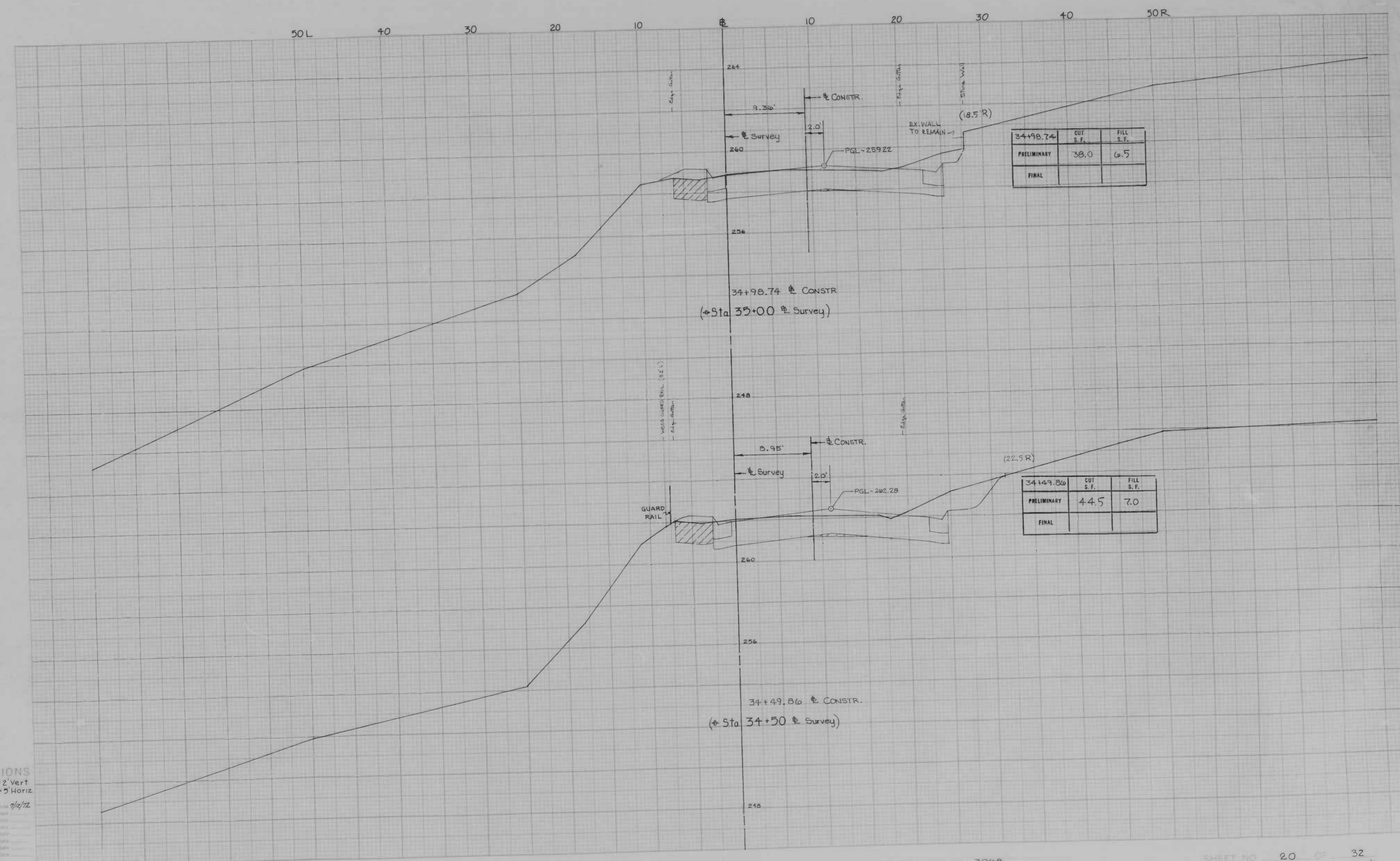
BOOK NO. FB-1582 Pg. 19

PROJECT WINDSOR MILL RD  
 DESCRIPTION FROM TUCKER LA. TO WETHERDSVILLE RD

CONTRACT NO. 3068

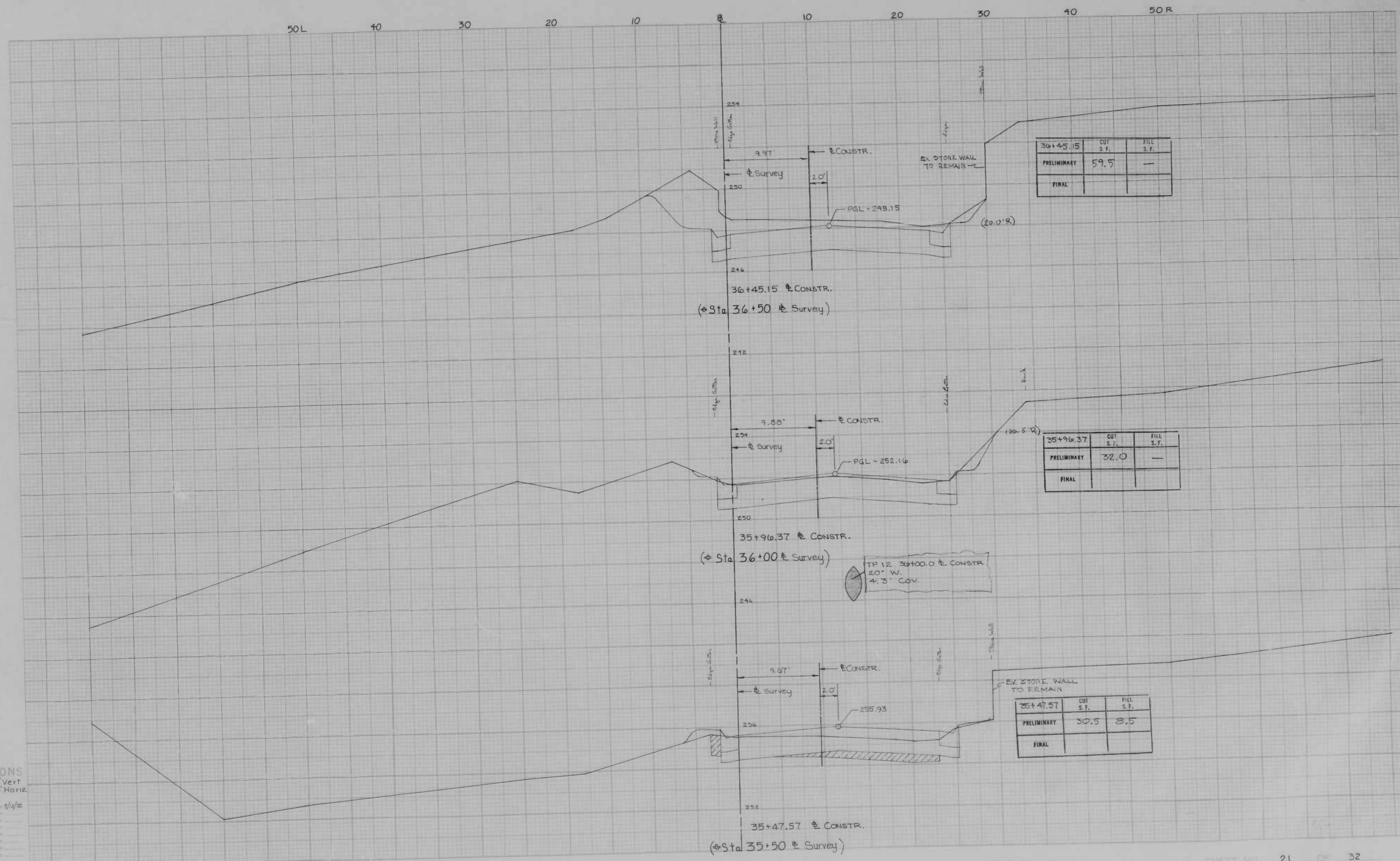
SHEET NO. 19 OF 32  
 STATION 33+50 Survey STATION 34+00 Survey  
 33+51.95 CONSTR. 34+00.94 CONSTR.





CROSS SECTIONS  
Scale 1 inch = 2 Vert  
= 5 Horiz

Original Plotted by G.J.B. Date 7/12/72  
Checked by \_\_\_\_\_  
Designed by \_\_\_\_\_  
Drawn by \_\_\_\_\_  
Reviewed by \_\_\_\_\_



CROSS SECTIONS  
 Scale 1 inch = 2' Vert  
 = 5' Horiz

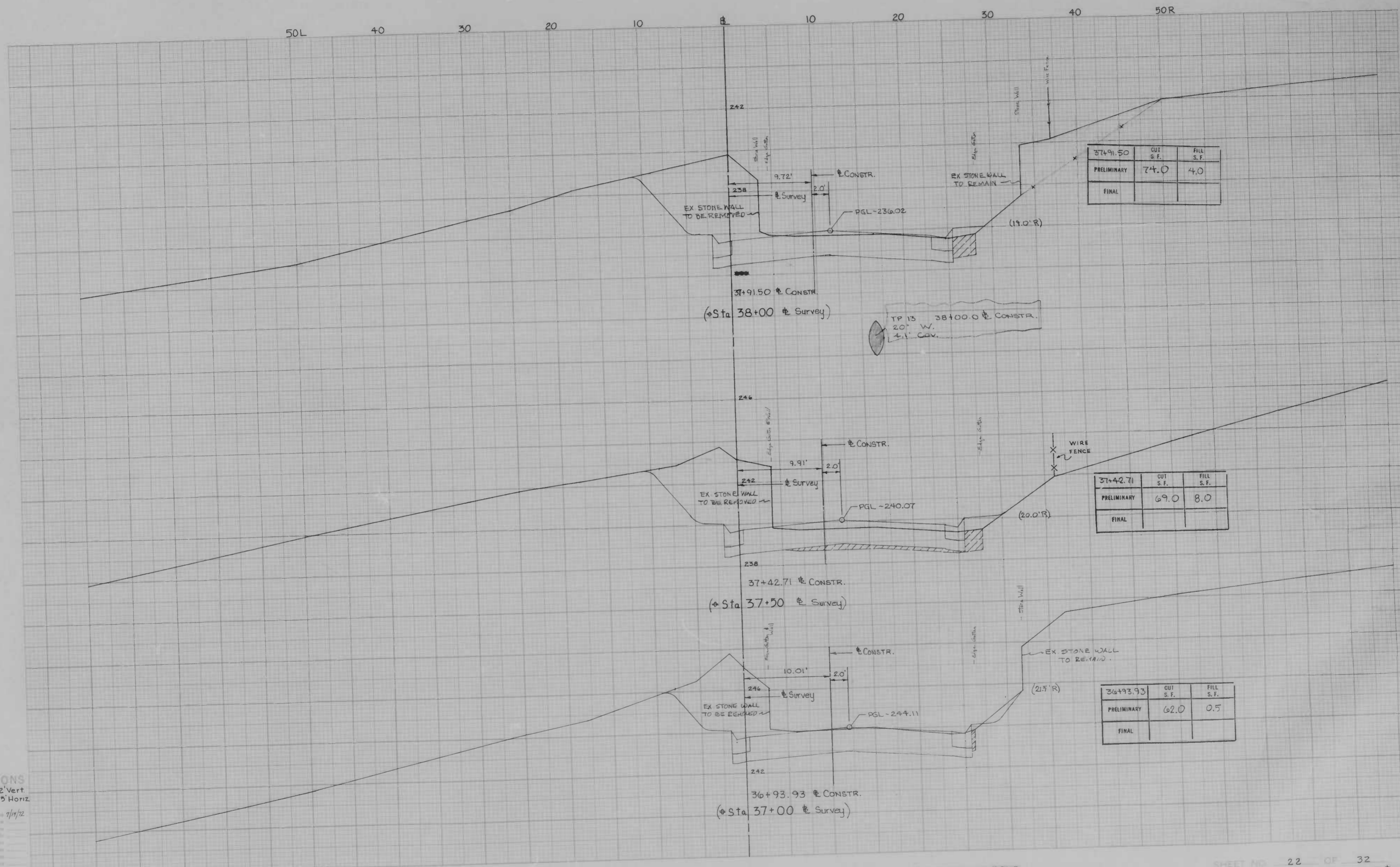
Original Plan by: A.J.B. Date: 7/3/72  
 Checked by: Date:  
 Prepared by: Date:  
 Plotted by: Date:  
 Approved by: Date:

BOOK NO. FB 1582

PROJECT WINDSOR MILL RD.  
 DESCRIPTION FROM TUCKER LA. TO WETHERDSVILLE RD.

CONTRACT NO. 3068

SHEET NO. 21 OF 32  
 STATION 35+50 Survey TO STATION 36+50 Survey  
 35+47.57 CONSTR. 36+45.15 CONSTR.



**CROSS SECTIONS**

Scale 1 inch = 2' Vert.  
 = 5' Horiz.  
 Original Plotted By G.W.B. Date 7/19/72  
 Checked By \_\_\_\_\_ Date \_\_\_\_\_  
 Approved By \_\_\_\_\_ Date \_\_\_\_\_

BOOK NO. FB 1582

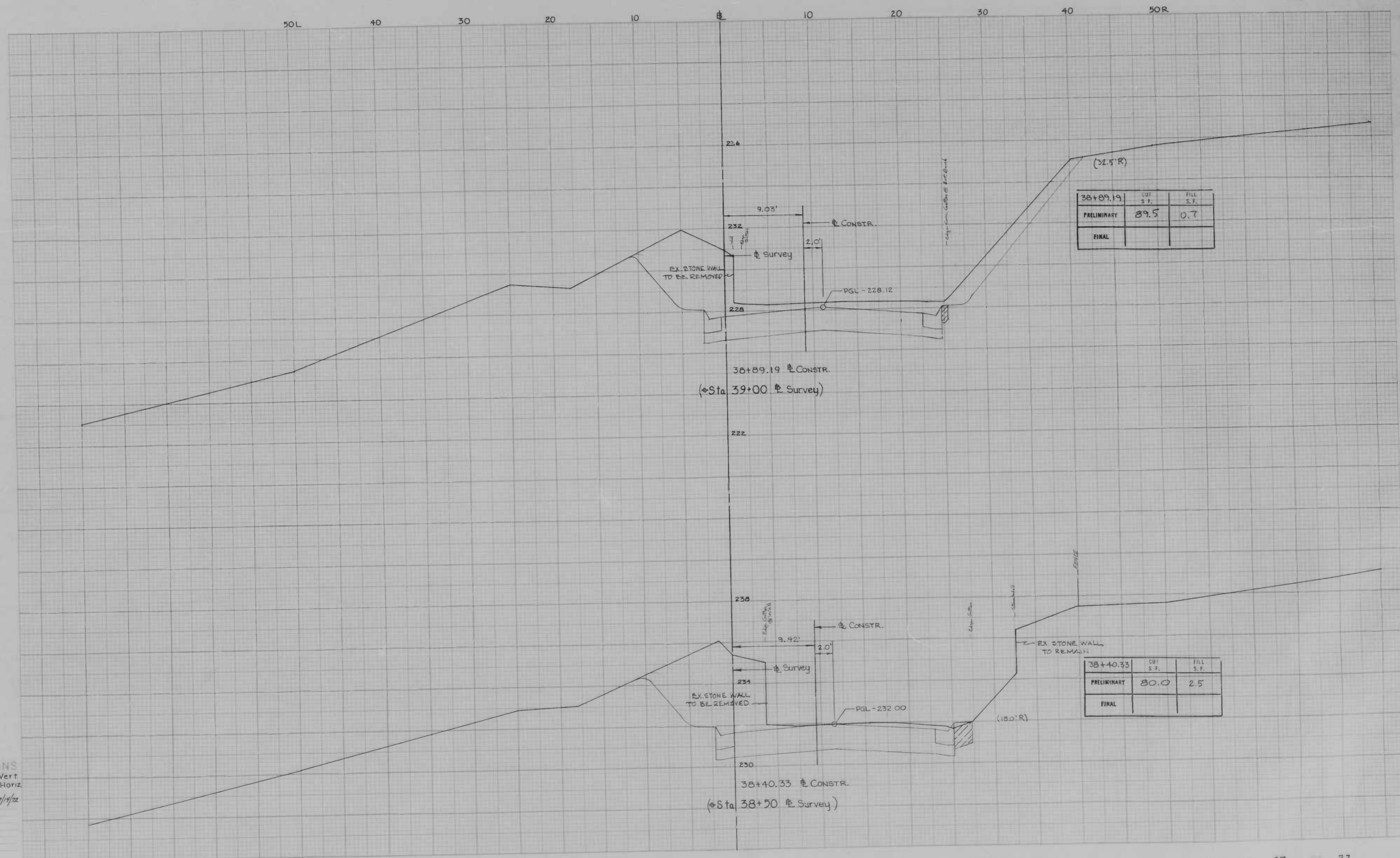
PROJECT

WINDSOR MILL RD

DESCRIPTION FROM TUCKER LA TO WETHERDSVILLE RD

CONTRACT NO. 3068

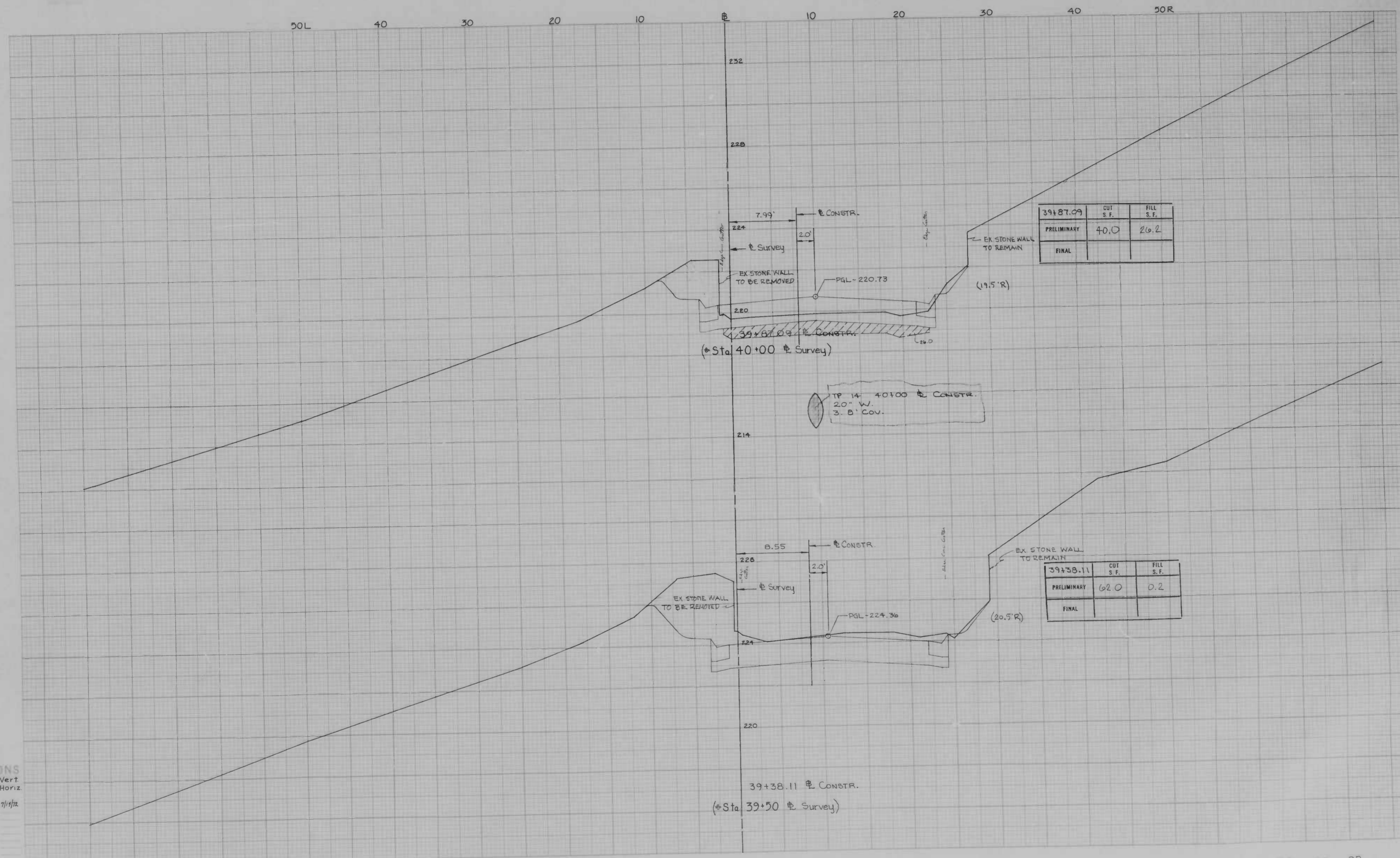
SHEET NO. 22 OF 32  
 STATION 37+00 Survey STATION 38+00 Survey  
 36+93.93 CONSTR. 37+91.50 CONSTR.



38+89.19	CUT S.F.	FILL S.F.
PRELIMINARY	89.5	0.7
FINAL		

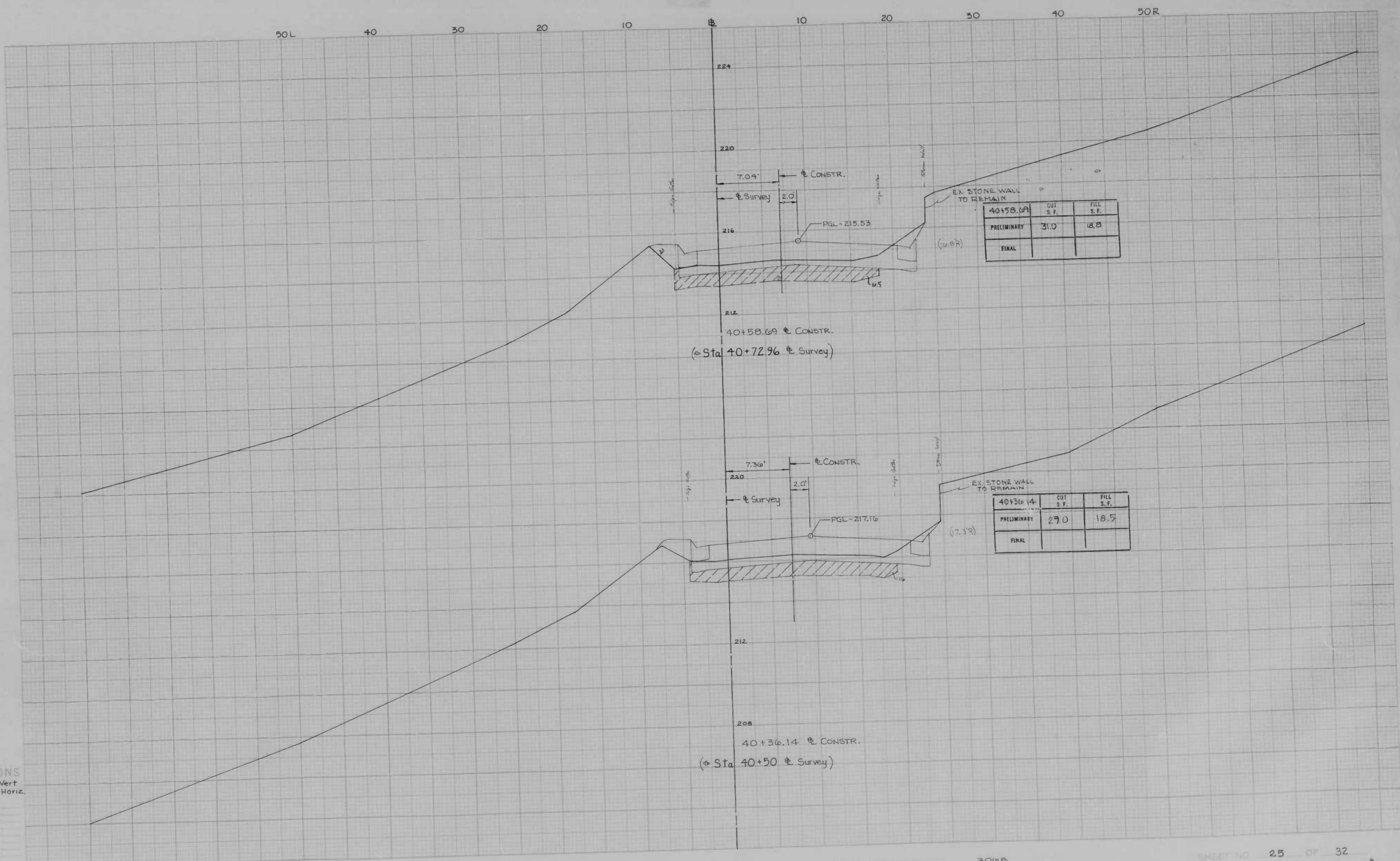
38+40.33	CUT S.F.	FILL S.F.
PRELIMINARY	80.0	2.5
FINAL		

**CROSS SECTIONS**  
 Scale 1" = 2' Vert  
 1" = 5' Horiz  
 Designer: G.J.B. 7/1/72  
 Checked by: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Project No.: \_\_\_\_\_  
 Sheet No.: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Scale: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Checked by: \_\_\_\_\_



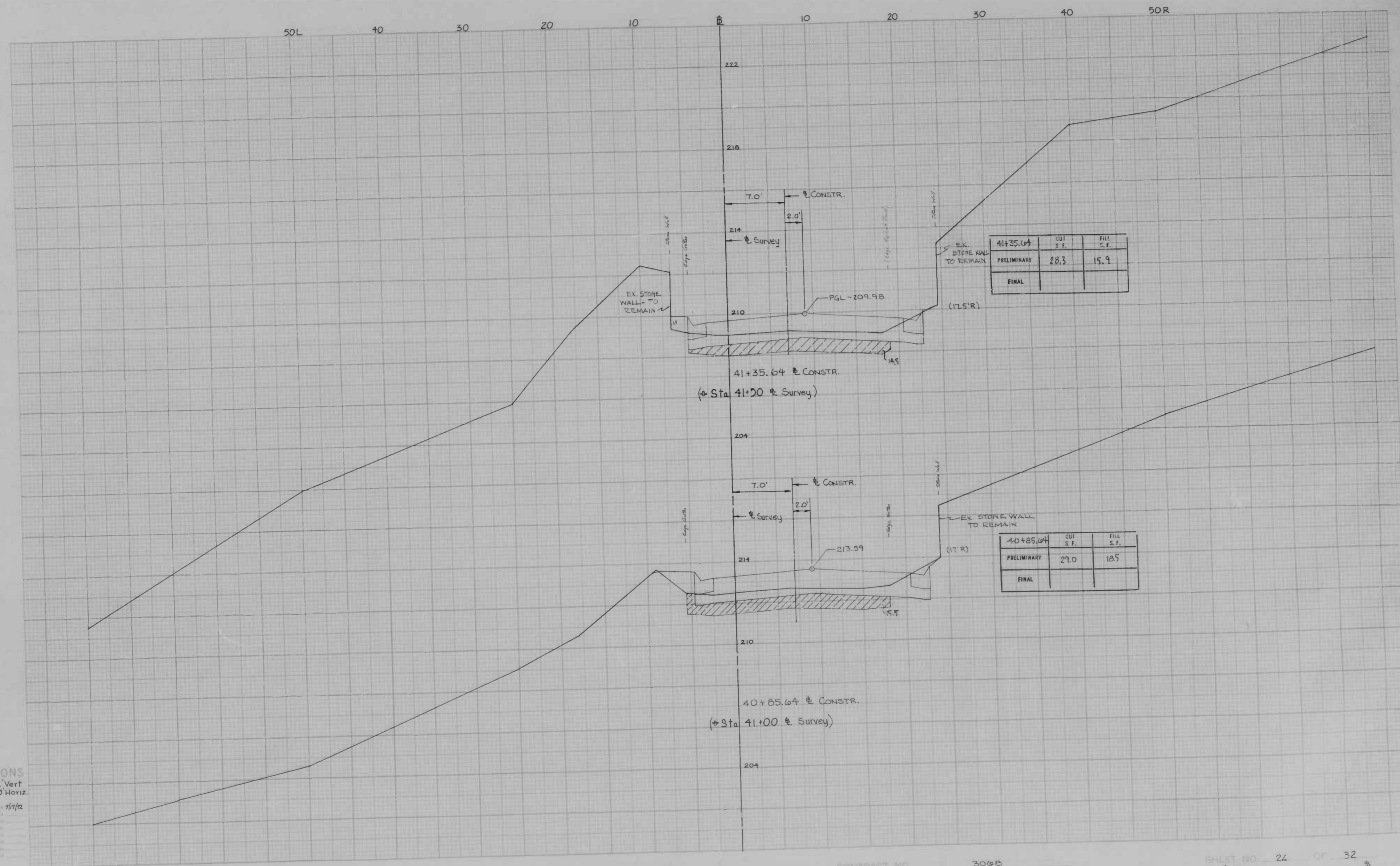
**CROSS SECTIONS**  
 Scale 1" = 20'  
 = 2' Vert.  
 = 5' Horiz.

Original Station 39+87.09  
 Checked by  
 Date  
 Station 39+38.11  
 Checked by  
 Date



CROSS SECTIONS  
 Scale 1" = 2' Vert  
 1" = 5' Horiz.

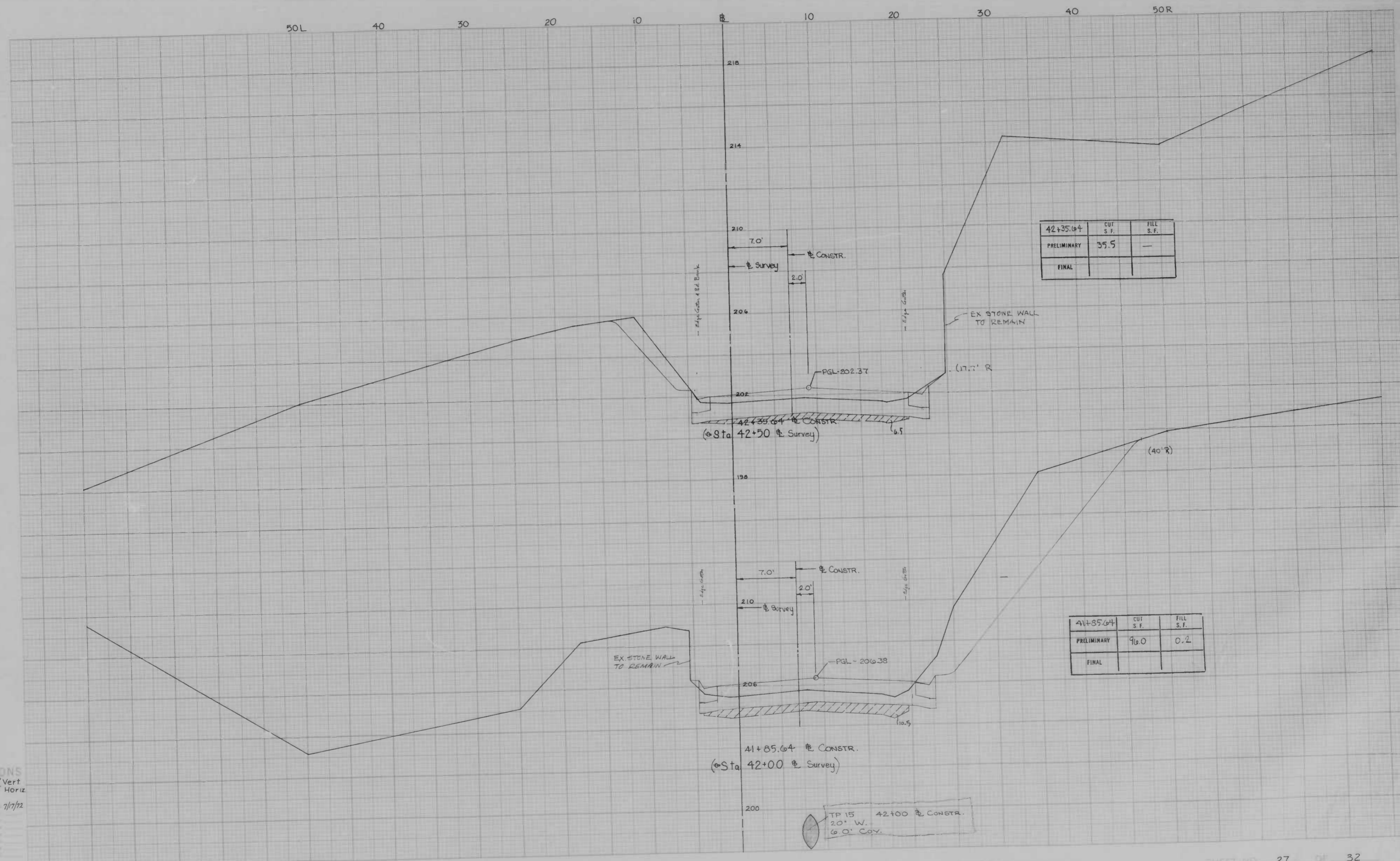
Designed by	
Checked by	
Drawn by	
Project No.	
Date	
Scale	
Author	
Checked by	
Date	



CROSS SECTIONS

Scale 1 inch = 2' Vert  
= 5' Horiz.

Original Stationed by GJB Date 7/7/72  
 Checked by \_\_\_\_\_ Date \_\_\_\_\_  
 Approved by \_\_\_\_\_ Date \_\_\_\_\_  
 Checked by \_\_\_\_\_ Date \_\_\_\_\_  
 Checked by \_\_\_\_\_ Date \_\_\_\_\_



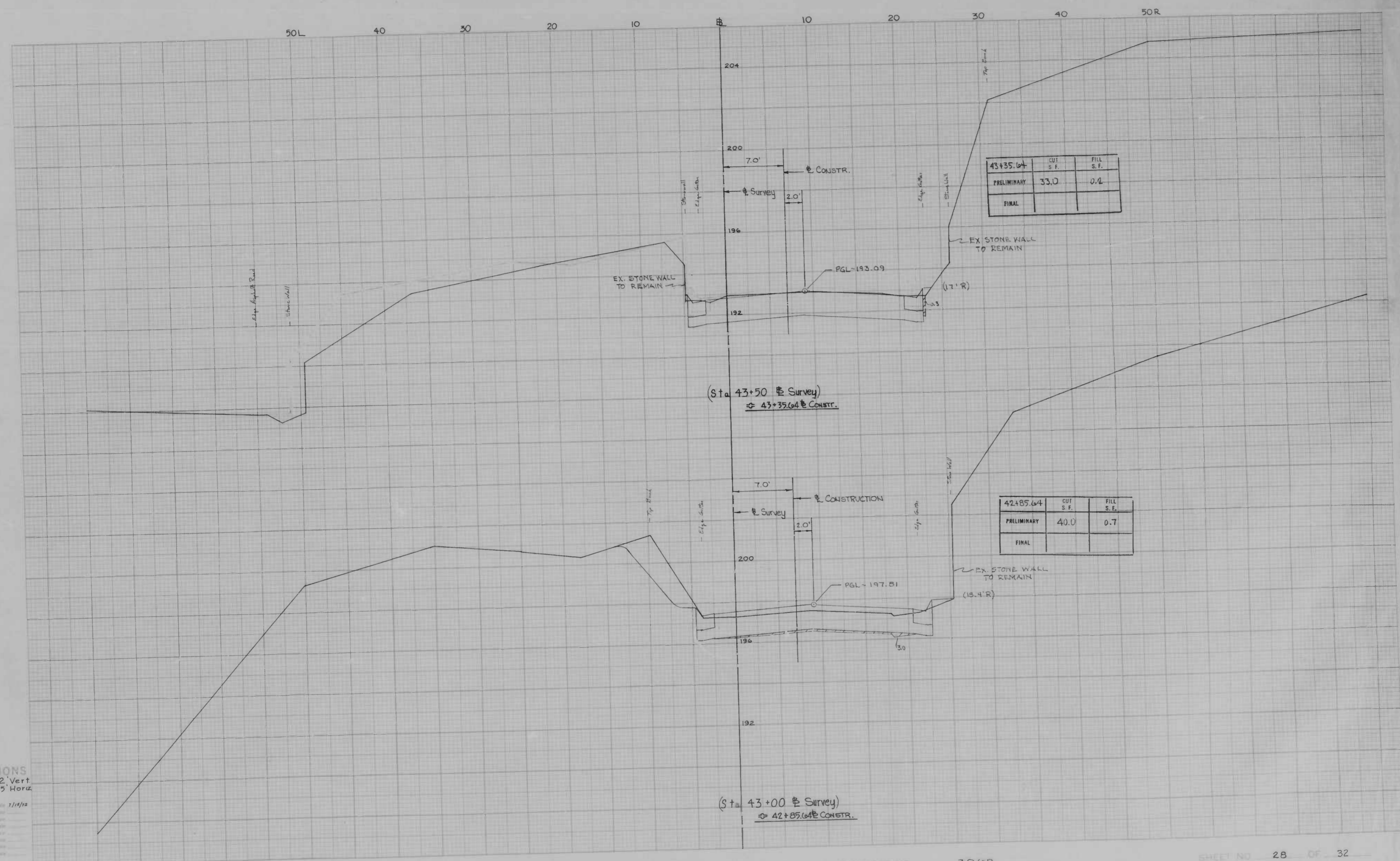
42+35.64	CUT S.F.	FILL S.F.
PRELIMINARY	35.5	—
FINAL		

41+85.64	CUT S.F.	FILL S.F.
PRELIMINARY	96.0	0.2
FINAL		

CROSS SECTIONS  
 Scale 1 inch = 2' Vert  
 = 5' Horiz

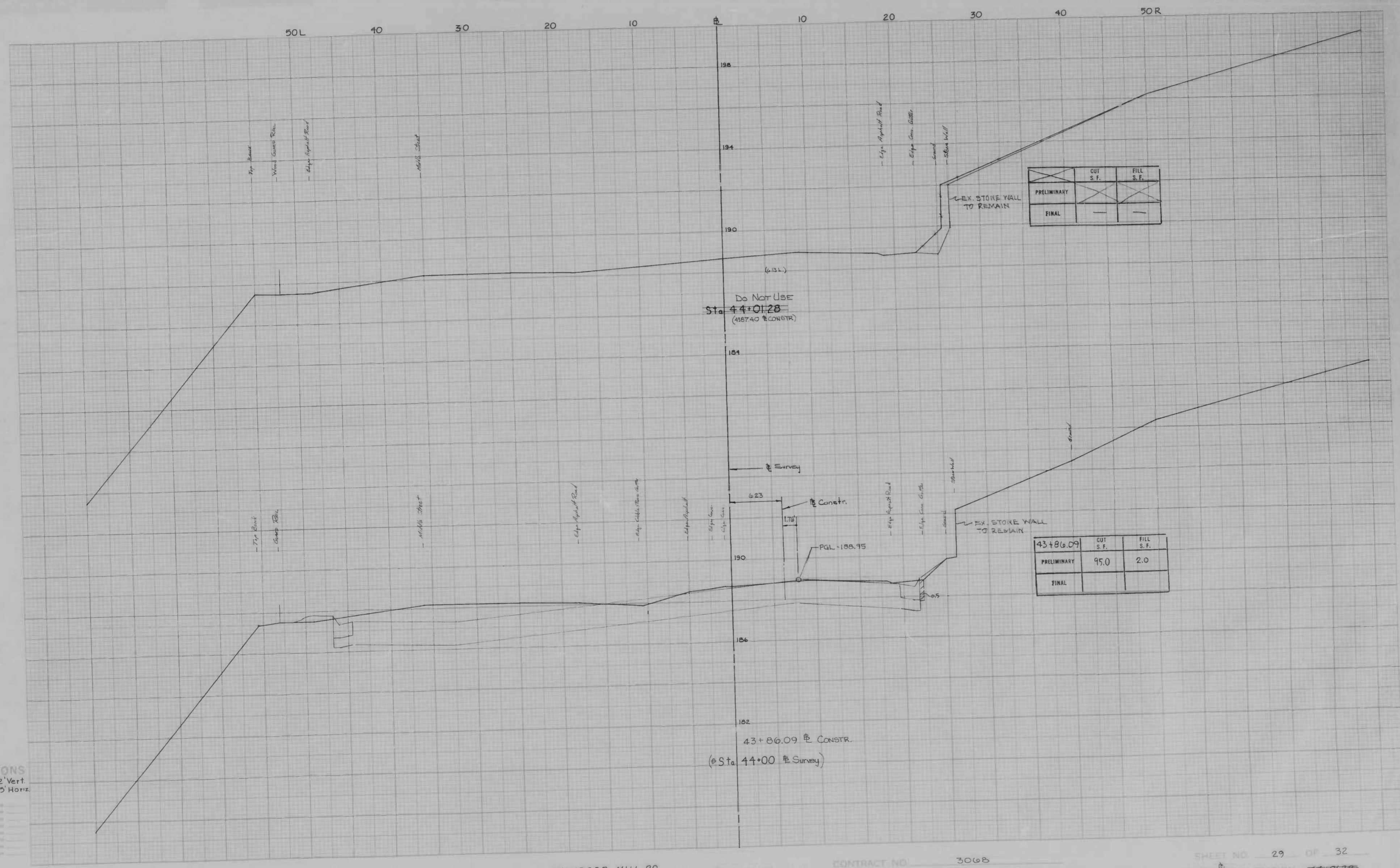
Original Station by: G.J.B. Date: 7/7/72  
 Station Checked by: \_\_\_\_\_  
 Area by: \_\_\_\_\_  
 Cross Section by: \_\_\_\_\_  
 Area by: \_\_\_\_\_  
 Checked by: \_\_\_\_\_





**CROSS SECTIONS**  
 Scale 1 inch = 2' Vert  
 = 5' Horiz

Designed by: G.J.B. Date: 1/11/72  
 Checked by: \_\_\_\_\_  
 Plotted by: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Scale: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Checked by: \_\_\_\_\_

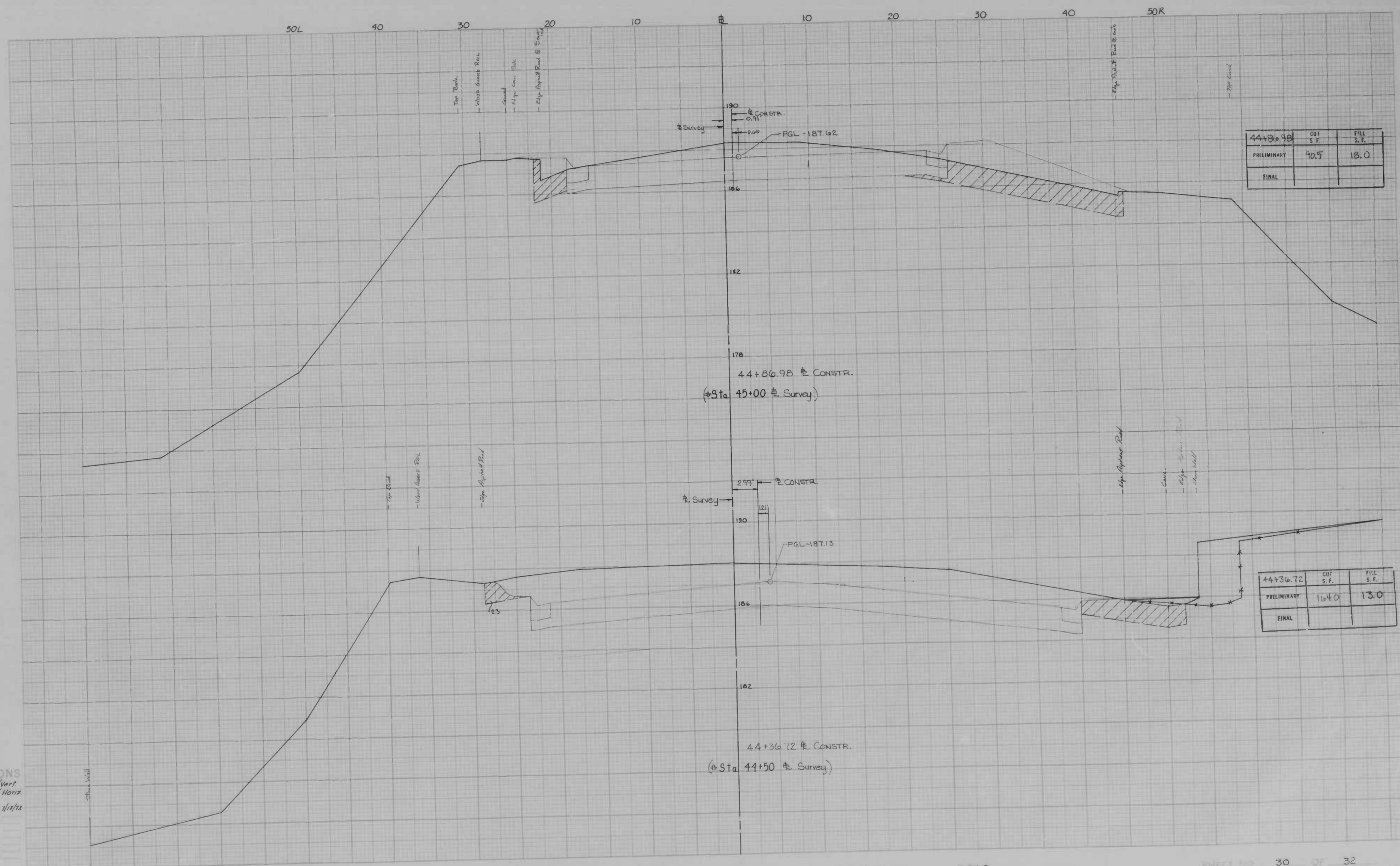


	CUT S.F.	FILL S.F.
PRELIMINARY		
FINAL		

43+86.09	CUT S.F.	FILL S.F.
PRELIMINARY	95.0	2.0
FINAL		

**CROSS SECTIONS**  
 Scale: 1 inch = 2' Vert  
 1 inch = 5' Horiz

Designed by: G.J.B.  
 Checked by: \_\_\_\_\_  
 Drawn by: \_\_\_\_\_  
 Project No: \_\_\_\_\_  
 Date: \_\_\_\_\_

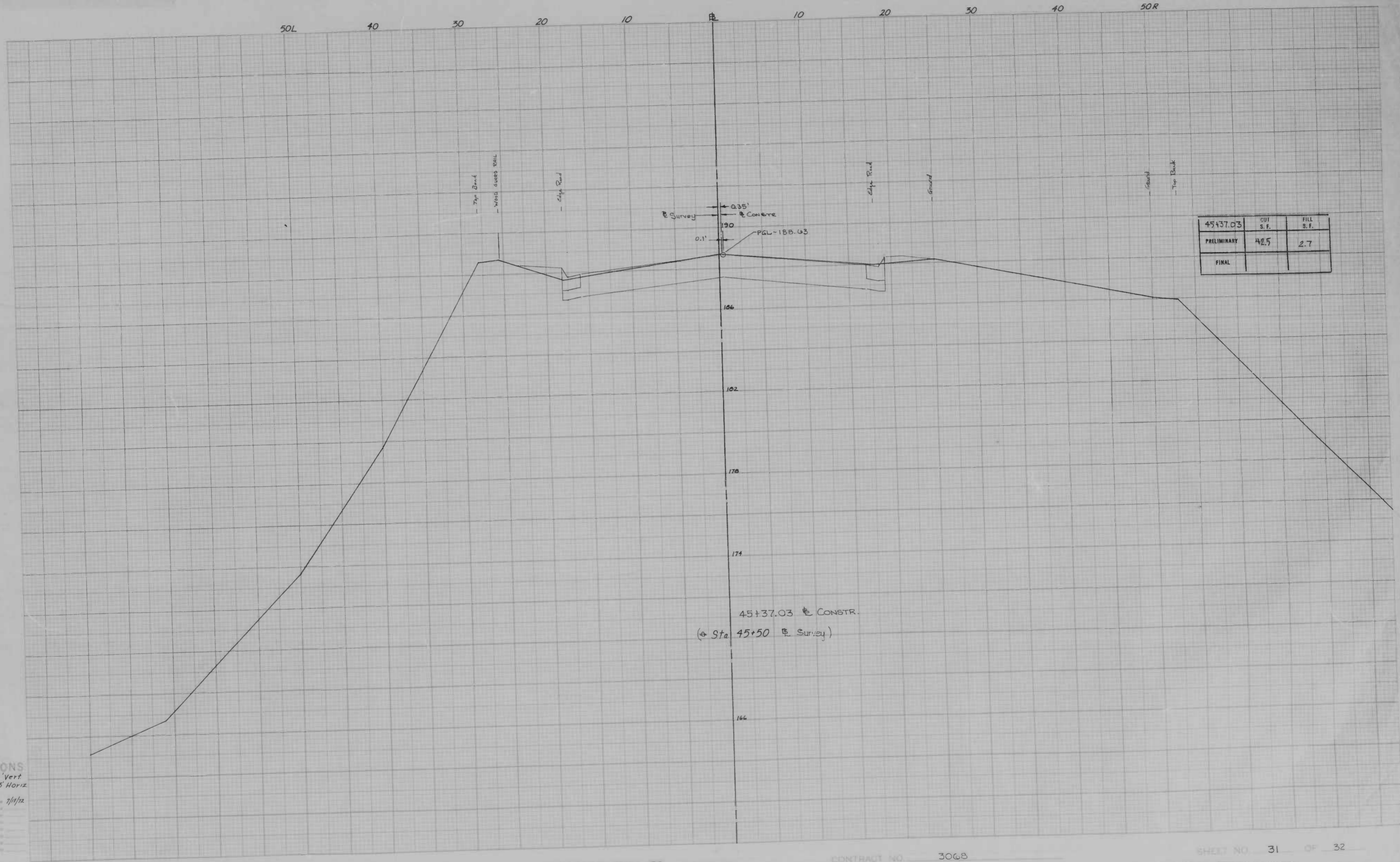


44+86.98	CUT S.F.	FILL S.F.
PRELIMINARY	40.5	18.0
FINAL		

44+36.72	CUT S.F.	FILL S.F.
PRELIMINARY	16.0	13.0
FINAL		

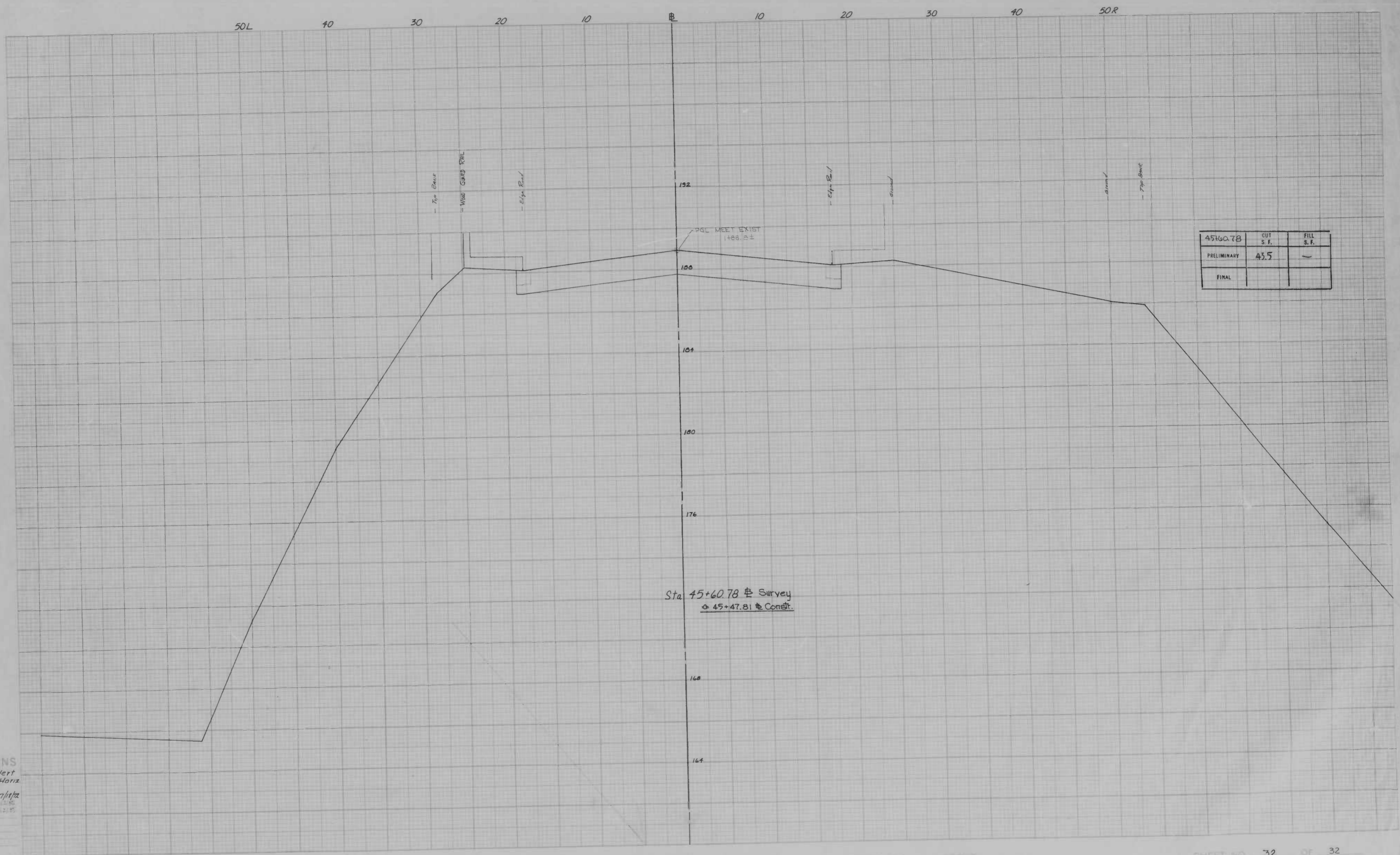
CROSS SECTIONS  
Scale 1 inch = 2 Vert.  
= 5 Horiz.

Checked by: QJB Date: 1/11/72  
Designed by: [blank]  
Reviewed by: [blank]  
Drawn by: [blank]  
Title: [blank]

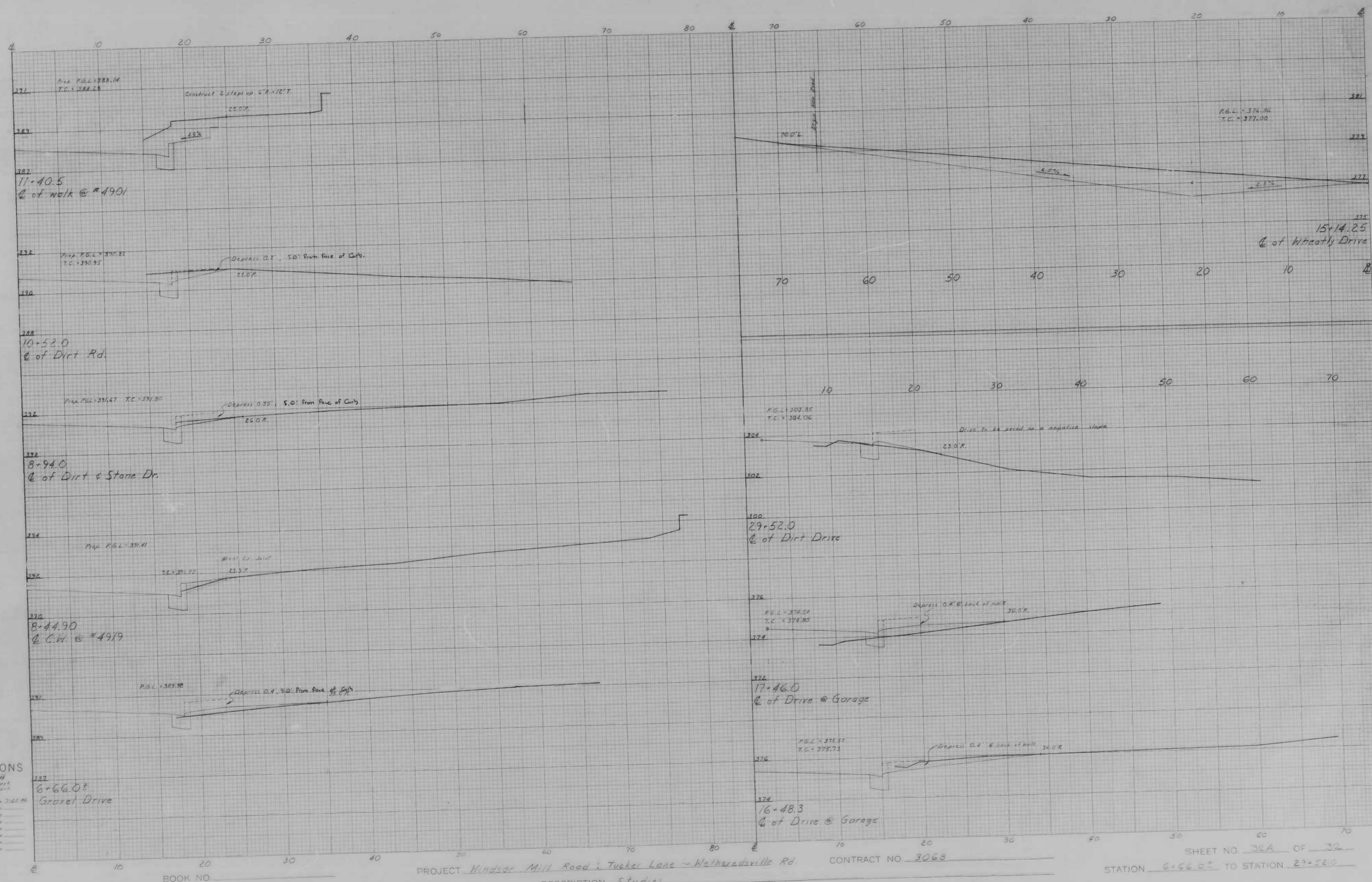


CROSS SECTIONS  
 Scale 1 inch = 2' Vert  
 = 5' Horiz

Original Stationing	G.S.B.	Date	7/1/72
Checked by		Date	
Approved by		Date	
Drawn by		Date	
Checked by		Date	



**CROSS SECTIONS**  
 Scale 1 inch = 2' Vert  
 = 5' Horiz  
 Original Project by GJB Date 7/1/12  
 Checked by [unclear] Date [unclear]



CROSS SECTIONS

Scale 1 inch = 10 Feet  
 20 Feet = 2.00 Feet

Original Planned by	S. V. S. V.	Date	2-22-61
Original Proposed by		Date	
Submitted by		Date	
Area by		Date	
Plans Checked by		Date	
Area Checked by		Date	

337  
 6+66.0±  
 Gravel Drive

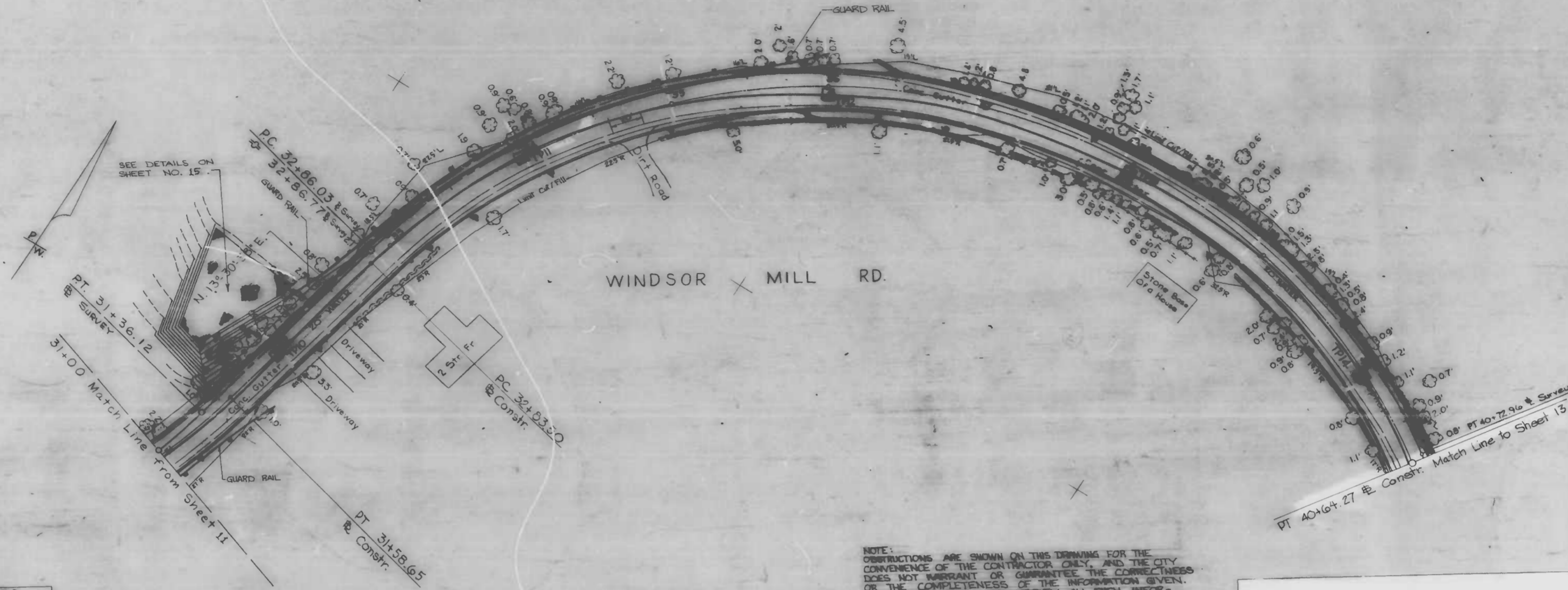
PROJECT Windsor Mill Road & Tucker Lane - Walthamville Rd.  
 DESCRIPTION Studies

CONTRACT NO. 3063

SHEET NO. 26A OF 36  
 STATION 6+66.0± TO STATION 27+58.0

FILE REF.

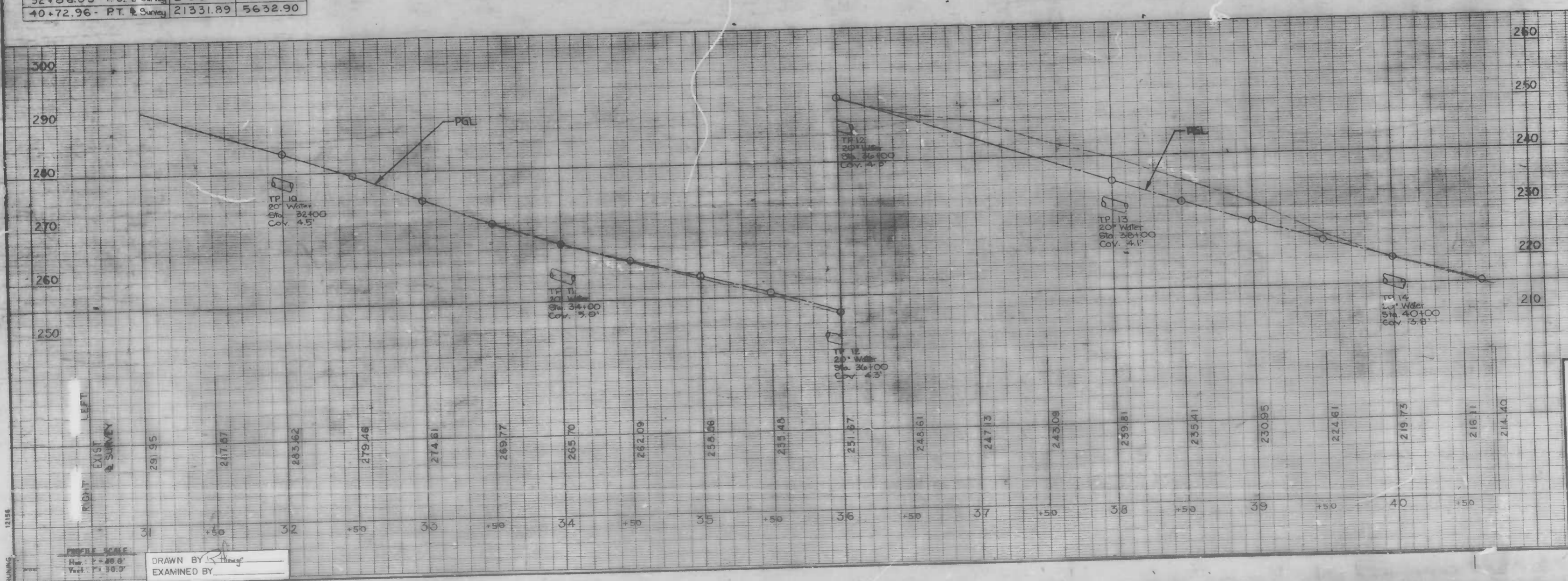
REVISIONS			
NO.	DESCRIPTION	DATE	BY



ROADWAY COORDINATES			
POINT DESCRIPTION	WEST	NORTH	
31+36.12 - P.T. & Survey	21992.33	5251.76	
32+86.03 - P.C. & Survey	21957.13	5398.25	
40+72.96 - P.T. & Survey	21331.89	5632.90	

NOTE: OBSTRUCTIONS ARE SHOWN ON THIS DRAWING FOR THE CONVENIENCE OF THE CONTRACTOR ONLY, AND THE CITY DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION GIVEN. THE CONTRACTOR MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION.

PLAN SCALE  
1" = 40'



CITY OF BALTIMORE  
DEPARTMENT OF PUBLIC WORKS  
BUREAU OF HIGHWAYS  
CONTRACT NO. 3068

**WINDSOR MILL ROAD**  
FROM TUCKER LANE TO WETHEREDSVILLE ROAD

UTILITIES

SCALE: AS NOTED  
HIGHWAY ENGINEERING DIVISION

DATE: 9/23/86  
SHEET 12 OF 25

DRAWN BY: [Signature]  
EXAMINED BY: [Signature]

FILE REF.