

FILE REF.

REVISIONS			
NO.	DESCRIPTION	DATE	BY

B1 Sta 25+50 22' @ elev 39'

SOIL DESCRIPTION	Sta. Depth	Depth Scale	SAMPLE			BORING/SAMPLING NOTES
			Cond. Blows/ft	No.	Type	
Blacktop	0.5	0	I 5-6-10	1	DS	12"
Tan To Gray Brown Moist Medium Dense To Loose Fine Sand And Clay.	5	5	I 7-9-9	2	DS	10"
	10	10	I 4-3-7	3	DS	6"
	12.0	12.0				Encountered Water At 12.0'
Gray To Orange Wet Loose Fine To Medium Sand, Trace Of Silt.	15	15	D 5-3-6	4	DS	8"
	21.0	21.0	D 2-2-4	5	DS	6"
	21.0	21.0				Augering Hard 21.0' To 29.0'
Red And White Very Moist Very Stiff Clay With Some Silt.	25	25	I 5-7-9	6	DS	8"
	27.5	27.5				End Of Boring At 20.5'
Pinkish White Moist Med. Dense Fine To Med. Sand Clay Interstrate	30.5	30.5	I 9-10-8	7	DS	6"

BORING NO. 1

D - Disintegrated
I - Intact
DS - Driven Split Spoon

B2 Sta 26+00 12' @ elev 39'

SOIL DESCRIPTION	Sta. Depth	Depth Scale	SAMPLE			BORING/SAMPLING NOTES
			Cond. Blows/ft	No.	Type	
Concrete	1.0	0	I 4-8-7	1	DS	5"
Brown And Gray Moist Medium Dense Fine Sand And Clay	5	5	I 5-7-5	2	DS	12"
	8.5	8.5				Very Hard Augering 3.5' To 6.0' with Bricks Fragments Wire And Cables in Auger Cuttings
Black Moist Loose Fine To Medium Sand With Trace Of Mica & Silt	10	10	D 2-3-7	3	DS	6"
	13.5	13.5				Water Encountered At 13.5'
Orange Wet Loose Fine To Coarse Sand, Trace Of Silt	15	15	D 3-3-5	4	DS	14"
	17.0	17.0				Augering Hard 21.0' To 29.0'
Tan Moist Medium Dense Fine Sand With White Lenses Of Silt, Little Clay.	20	20	I 5-7-9	5	DS	8"
	25	25	I 12-24-34	6	DS	16"
	27.0	27.0				Hard Augering 22.0' To 29.0'
White Moist Very Dense Fine Sand With Little Silt.	30.5	30.5	I 5-23-31	7	DS	12"
	30.5	30.5				End Of Boring At 30.5'

BORING NO. 2

D - Disintegrated
I - Intact
DS - Driven Split Spoon

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
Contract No. 2610
O'DONNELL STREET (SOUTH SIDE)
NEWKIRK STREET - ROUCA STREET
RETAINING WALLS

BORINGS

SCALE: As Shown
Bridge Section
DATE: October, 1979
SHEET 8 OF 15

FILE REF.

FILE REF.

REVISIONS			
NO.	DESCRIPTION	DATE	BY

Baseline Coordinates		
Des.	East	South
31+00	1696.104	6077.400
33+00	1705.850	6067.341
34+00	1715.724	6062.312
34+08	1720.718	6062.060

Property Line Coordinates				
Des.	East	South	Plus	Offset
M1	16819.429	6119.263	30+21.316	37.953
M2	16850.574	6094.048	30+53.690	14.337
W11	17057.938	6083.594	32+61.318	14.326
W32	17116.863	6080.623	33+20.317	14.323

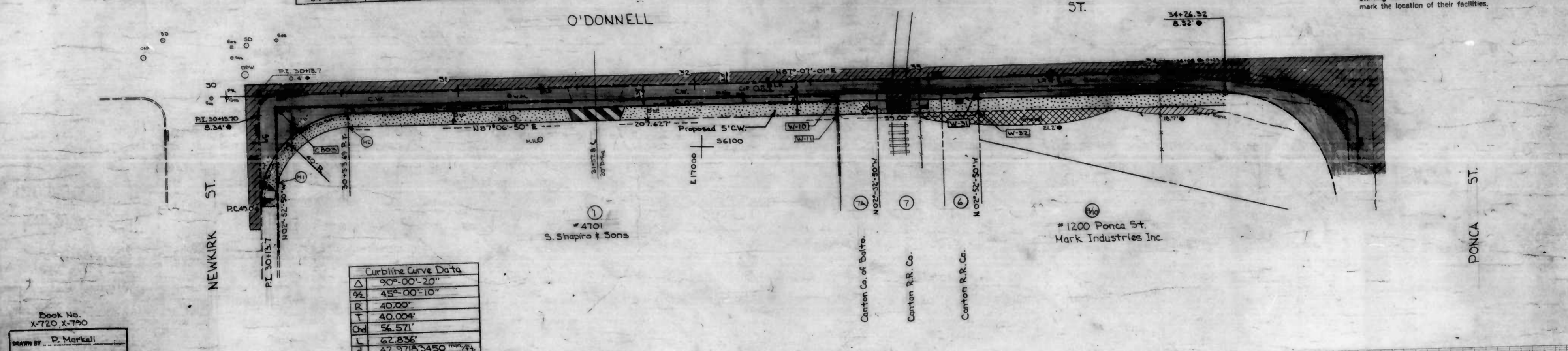
PI Coordinates			
PI Plus	Offset	East	South
30+13.70	8.34	16810.335	6090.074
34+68.84	8.32	17264.891	6067.158

Plus and Offsets		
Sta.	Curbside	Property Line
30+52.7	8.34	14.34
30+78	8.34	14.34
31+00	8.34	14.34
31+28	8.34	14.34
31+50	8.34	14.34
31+78	8.34	14.34
32+00	8.35	14.35
32+25	8.35	14.35
32+50	8.35	14.35
32+75	8.35	14.35
33+00	8.35	14.35
33+24	8.35	14.35
33+45	8.35	14.35
33+78	8.35	14.35
34+00	8.32	14.32
34+08	8.32	14.32

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.

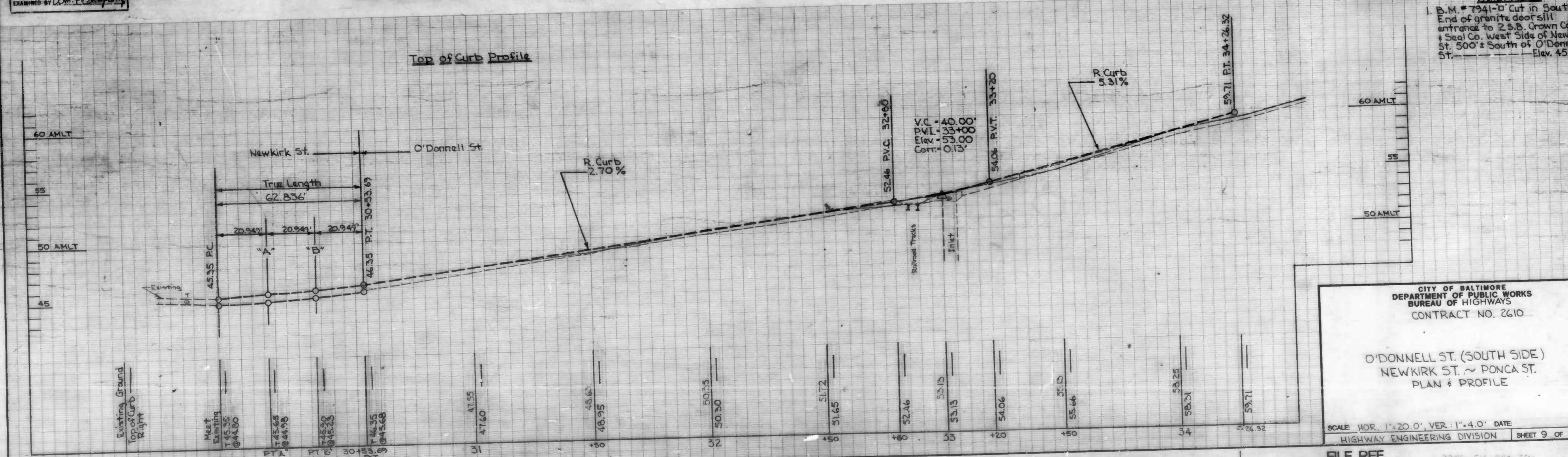
NOTE: SOIL EROSION & SEDIMENT CONTROL. WHEREVER POSSIBLE, LIMIT GRADING TO ONLY THOSE AREAS INVOLVED IN CURRENT CONSTRUCTION ACTIVITIES AND LIMIT THE LENGTH OF TIME OF EXPOSURE OF UNPROTECTED GRADED AREAS. ACCOMPLISH TEMPORARY OR PERMANENT STABILIZATION OF THESE AREAS AT THE EARLIEST OPPORTUNITY.

NOTE: Baltimore Gas & Electric Co. - C & P Telephone Co. Contact "Miss Utility" at 859-0100 at least 3 working days prior to starting work so that they can arrange to mark the location of their facilities.



Curbside Curve Data	
Δ	90°-00'-20"
Δ	45°-00'-10"
R	40.00'
T	40.00'
Ch	56.571'
L	62.836'
d	42.97183450 mm/ft

Book No. X-720, X-790
 DRAWN BY: P. Markall
 EXAMINED BY: Wm. F. Compton



CITY OF BALTIMORE
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF HIGHWAYS
 CONTRACT NO. 2610

O'DONNELL ST. (SOUTH SIDE)
 NEWKIRK ST. ~ PONCA ST.
 PLAN & PROFILE

SCALE: HOR. 1"=20.0', VER. 1"=4.0' DATE: _____
 HIGHWAY ENGINEERING DIVISION SHEET 9 OF 15

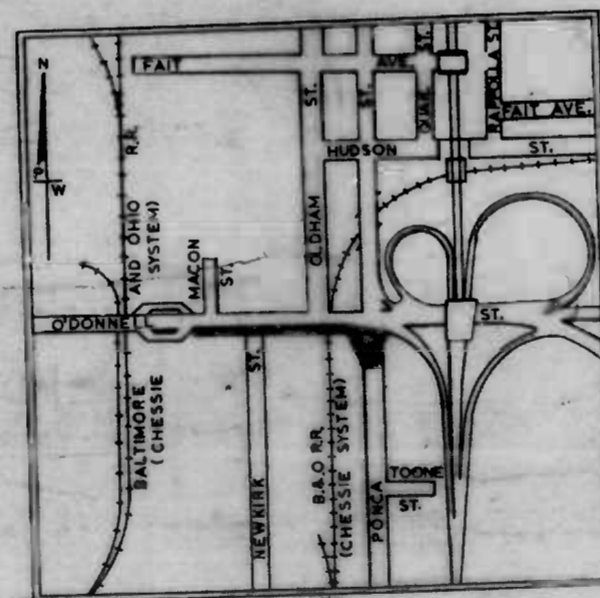
FILE REF. 990-54-072-20

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
GRADING, CURBING, PAVING, STRUCTURES, DRAINAGE,
AND UTILITY ADJUSTMENTS
O'DONNELL STREET



SOUTH SIDE: EAST END OF VIADUCT TO PONCA STREET
CHANNELIZATION: O'DONNELL ST. AND PONCA ST.
CITY OF BALTIMORE BUREAU OF HIGHWAYS CONTRACT NO. 2610

NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL DETAIL SECTIONS EAST END OF VIADUCT TO PONCA ST.
3	PLAN & PROFILE: O'DONNELL ST. EAST END OF VIADUCT TO NEWKIRK ST.
4	UTILITY PLAN: O'DONNELL ST. EAST END OF VIADUCT TO NEWKIRK ST.
5	RETAINING WALLS: O'DONNELL ST. (South Side) & NEWKIRK ST. - PONCA ST.
6	RETAINING WALLS: O'DONNELL ST. (South Side) & NEWKIRK ST. - PONCA ST.
7	RETAINING WALLS: O'DONNELL ST. (South Side) & NEWKIRK ST. - PONCA ST.
8	RETAINING WALLS: TEST BORINGS
9	PLAN & PROFILE: O'DONNELL ST. (South Side) NEWKIRK ST. - PONCA ST.
10	UTILITY PLAN: O'DONNELL ST. (South Side) NEWKIRK ST. - PONCA ST.
11	TYPICAL DETAIL SECTION: CHANNELIZATION O'DONNELL ST. & PONCA ST.
12	PLAN: CHANNELIZATION O'DONNELL ST. & PONCA ST.
13	UTILITY PLAN: CHANNELIZATION O'DONNELL ST. & PONCA ST.
14	PROFILE: CHANNELIZATION O'DONNELL ST. & PONCA ST.
15	STORM WATER DETAILS: NEWKIRK ST. TO PONCA ST. & CHANNELIZATION



LOCATION PLAN
 SCALE: 1"=500'

FIELD BOOKS		
NO.	TITLE	DESCRIPTIONS
X717	O'DONNELL ST.	CROSS SECTIONS, LOCATIONS
X720	O'DONNELL ST.	CROSS SECTIONS, LOCATIONS
X790	O'DONNELL ST.	CROSS SECTIONS, LOCATIONS

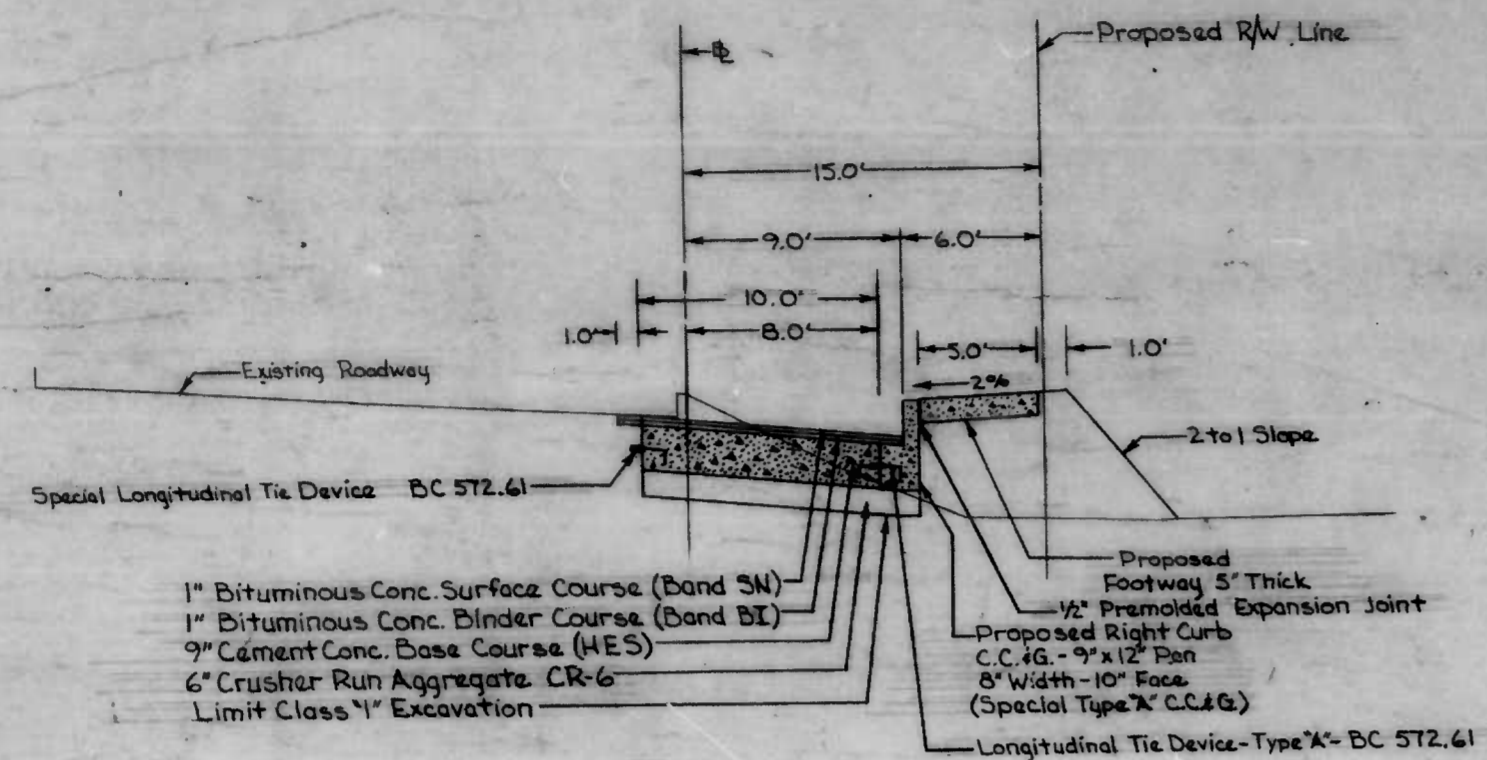
P/W _____
 GRADE EST. _____
 SOB. EROS./SED. CONTROL _____

CITY OF BALTIMORE
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF HIGHWAYS

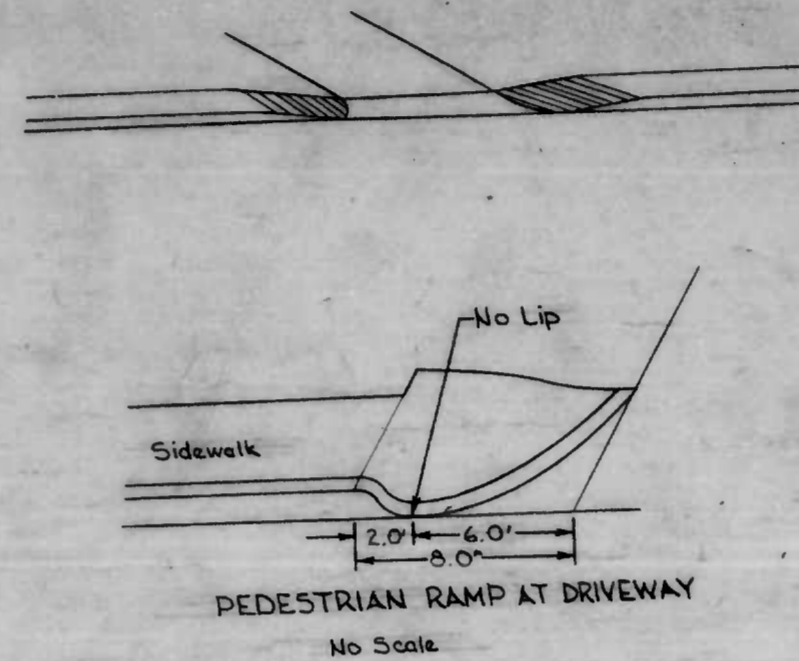
APPROVED _____
 CHIEF, WASTE WATER DIV. CHIEF, WATER DIVISION
 CHIEF, HIGHWAY DIV. CHIEF, SURVEYS & RECORDS DIV.
 CHIEF, HIGHWAY DESIGN SECTION ACT. HEAD BUREAU OF HIGHWAYS DIRECTOR OF PUBLIC WORKS

FILE REF.

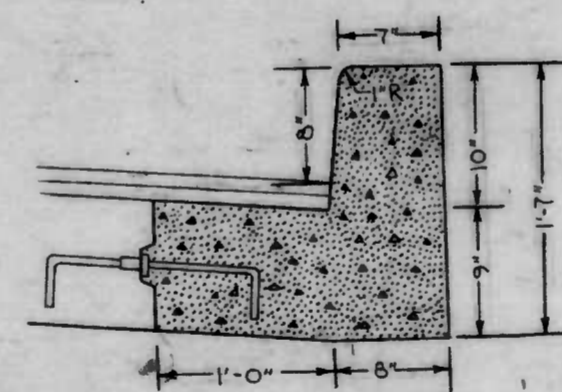
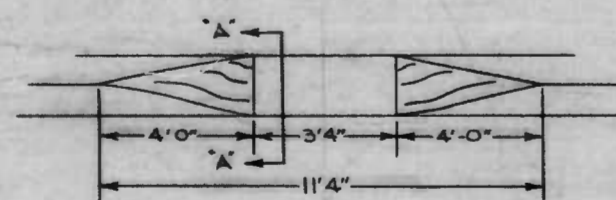
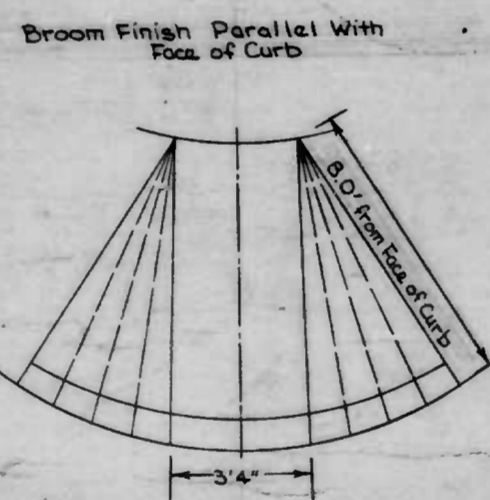
REVISIONS			
NO.	DESCRIPTION	DATE	BY



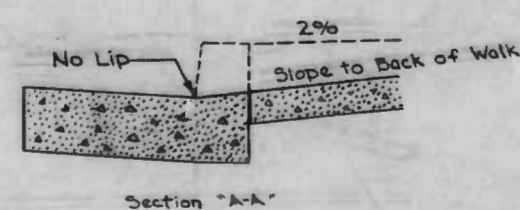
TYPICAL DETAIL SECTION
O'DONNELL ST. (SOUTH SIDE)
EAST END OF VIADUCT TO NEWKIRK STREET
Scale: Hor: 1" = 5.0'
Ver: 1" = 2.0'



- LEGEND
- Indicates Approximate Limit of Proposed Paving
 - Indicates Approximate Limit of Proposed Concrete Walk
 - Indicates Area to be Stripped to the Existing Concrete Base and Resurfaced with Flexible Material (See Detail Section)
 - Indicates Proposed Driveway - 7" Cement Concrete
 - Indicates Approximate Limit of Proposed Fill - Slope



SPECIAL TYPE "A"
COMBINATION CURB & GUTTER
Scale: 1" = 0.67'



STANDARD PEDESTRIAN RAMP
No Scale

Book No.
X-717, X-720

DRAWN BY P. H. Markell

EXAMINED BY Y. E. SCHMINKE

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
CONTRACT NO. 2610

O'DONNELL ST. (SOUTH SIDE)
EAST END OF VIADUCT ~ PONCA ST.
TYPICAL SECTIONS & DETAILS

SCALE AS NOTED DATE

HIGHWAY ENGINEERING DIVISION SHEET 2 OF 15

FILE REF.

FILE REF.

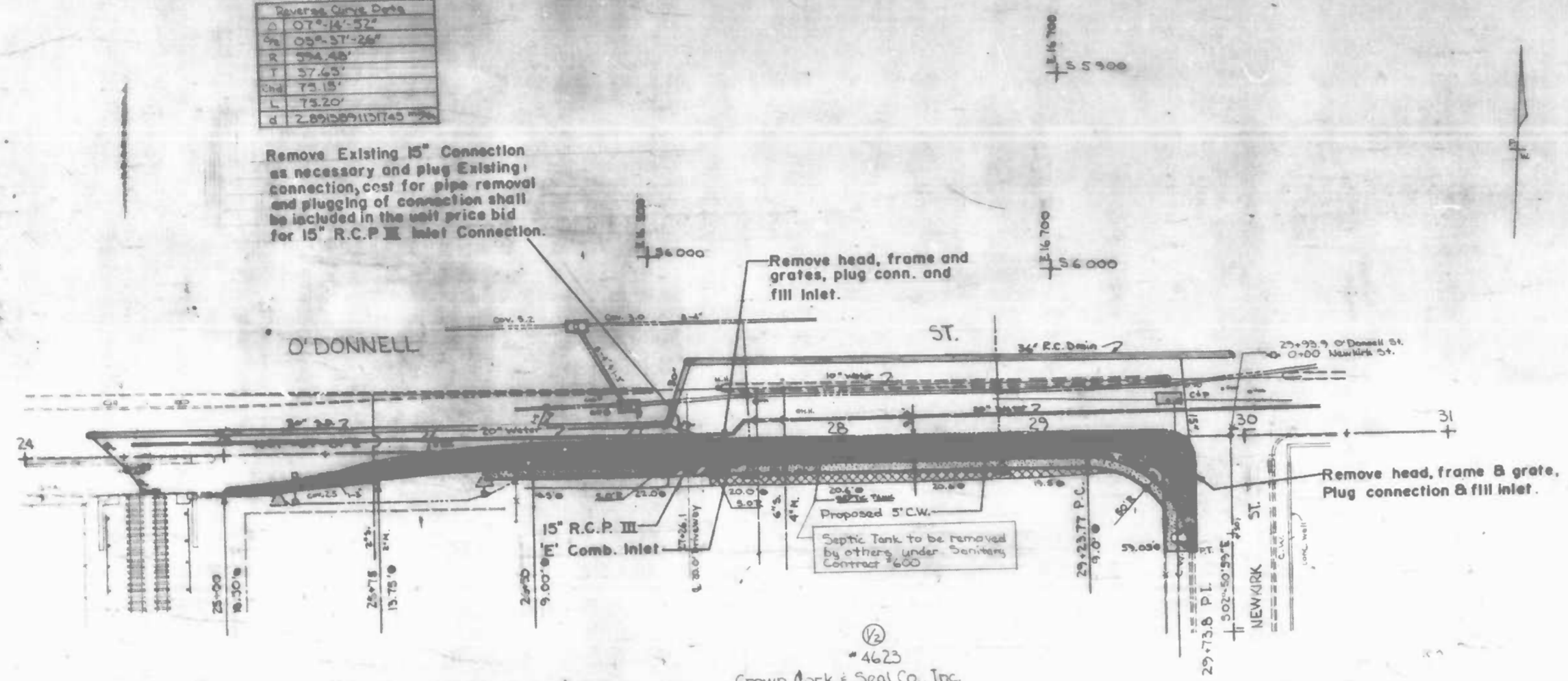
REVISIONS		
NO.	DESCRIPTION	DATE

Reverse Curve Data	
A	07'-14'-57"
B	09'-57'-26"
R	374.43'
T	37.63'
Chd	73.15'
L	73.20'
d	2.85189110745

Remove Existing 15" Connection as necessary and plug Existing connection, cost for pipe removal and plugging of connection shall be included in the bid price bid for 15" R.C.P. III Inlet Connection.

Remove head, frame and grates, plug conn. and fill inlet.

Remove head, frame & grate, Plug connection & fill inlet.



4625
Crown Cork & Seal Co., Inc.

Curve Data	
A	20'-02'-00"
B	45'-01'-00"
R	50.00'
T	50.03'
Chd	70.73'
L	70.57'
d	34.3774676

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.

NOTE: SOIL EROSION & SEDIMENT CONTROL
WHEREVER POSSIBLE, LIMIT GRADING TO ONLY THOSE AREAS INVOLVED IN CURRENT CONSTRUCTION ACTIVITIES AND LIMIT THE LENGTH OF TIME OF EXPOSURE OF UNPROTECTED SOIL AREAS. ACCOMPLISH TEMPORARY OR PERMANENT STABILIZATION OF THESE AREAS AT THE EARLIEST OPPORTUNITY.

▲ - Indicates Pedestrian Ramp at Intersection

■ - Indicates Pedestrian Ramp at Driveway

Soil Erosion & Sediment Control
See the Special Provisions for a detail of Proposed Silt Traps at new Inlets

▲ Indicates Relocated Street Lights
■ Indicates Proposed New Hand Boxes

NOTE: ALL INLETS SHALL BE DEPRESSED UNLESS INDICATED OTHERWISE.

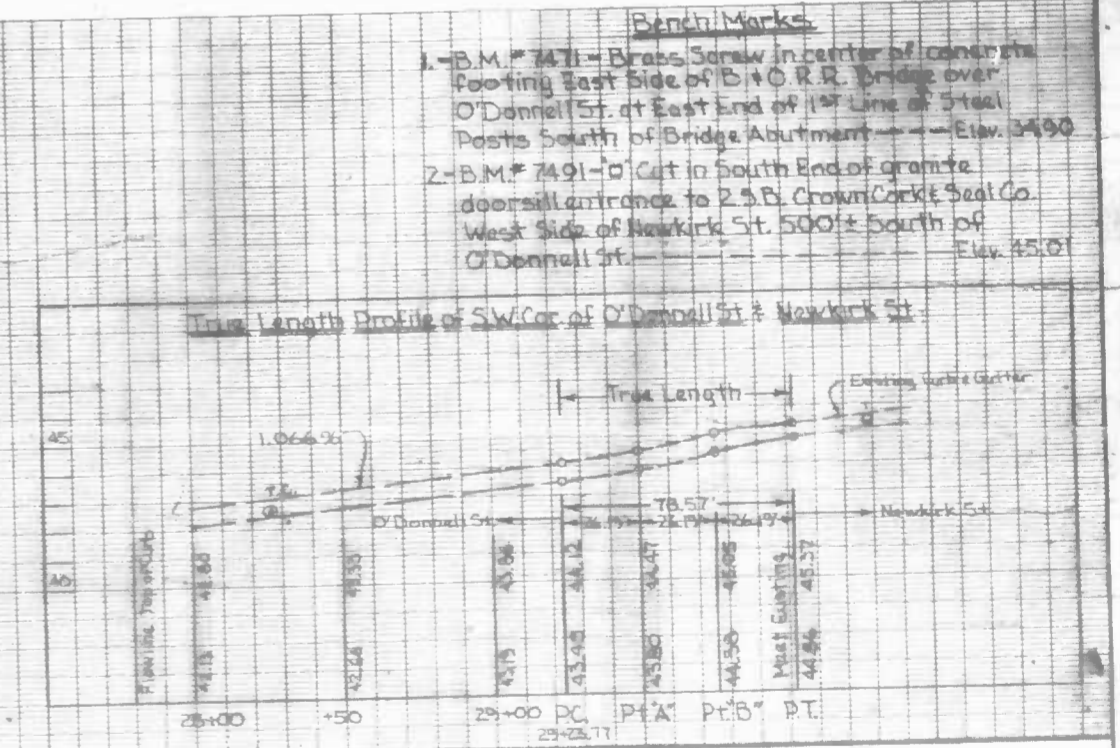
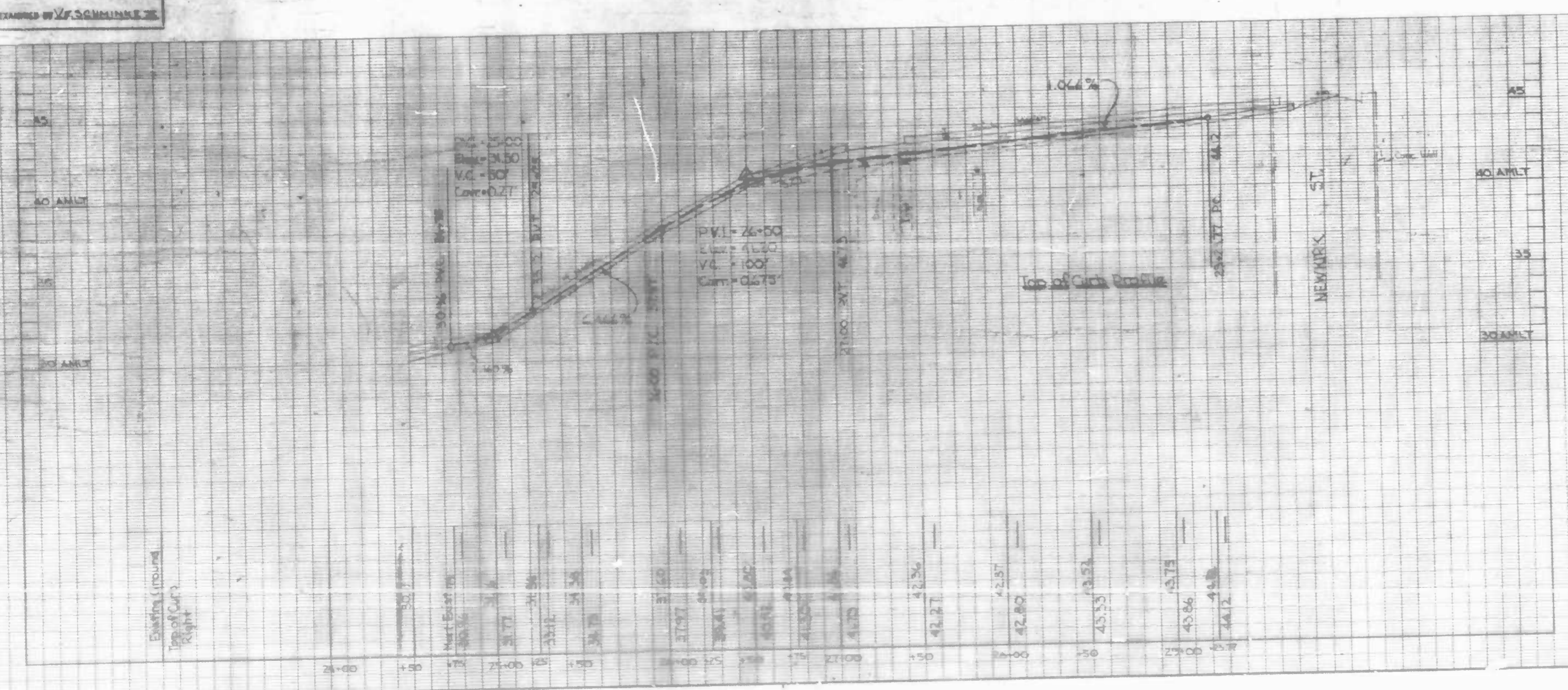
NOTE: COMB. INLET GRATES TO BE NO. 1 GRATES

NOTE: CONTRACTOR MAY USE EXTRA STRENGTH VITRIFIED PIPE IN LIEU OF CLASS B REINFORCED CONCRETE PIPE (BELL & SPIGOT) FOR INLET CONNECTIONS. NO EXTRA PAYMENT WILL BE MADE.

TYPE OF JOINT FOR PIPE
TYPE PIPE: Reinforced Concrete Pipe Inlet Conn., Vitrified Pipe Inlet Conn.
JOINTS: Cement Mortar or O-Ring Rubber Gasket

Book No. X-720, X-717

DESIGNED BY P.H. Morrell
CHECKED BY J.F. SCHMIDTKE, JR.



CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
CONTRACT NO. 2610

O'DONNELL ST. (SOUTH SIDE)
EAST END OF VIADUCT - NEWKIRK ST.

SCALE: HORIZ. 1"=40.0' VER. 1"=4.0'
HIGHWAY ENGINEERING DIVISION SHEET 4 OF 15

FILE REF.

FILE REF.

REVISIONS			
NO.	DESCRIPTION	DATE	BY

GENERAL NOTES

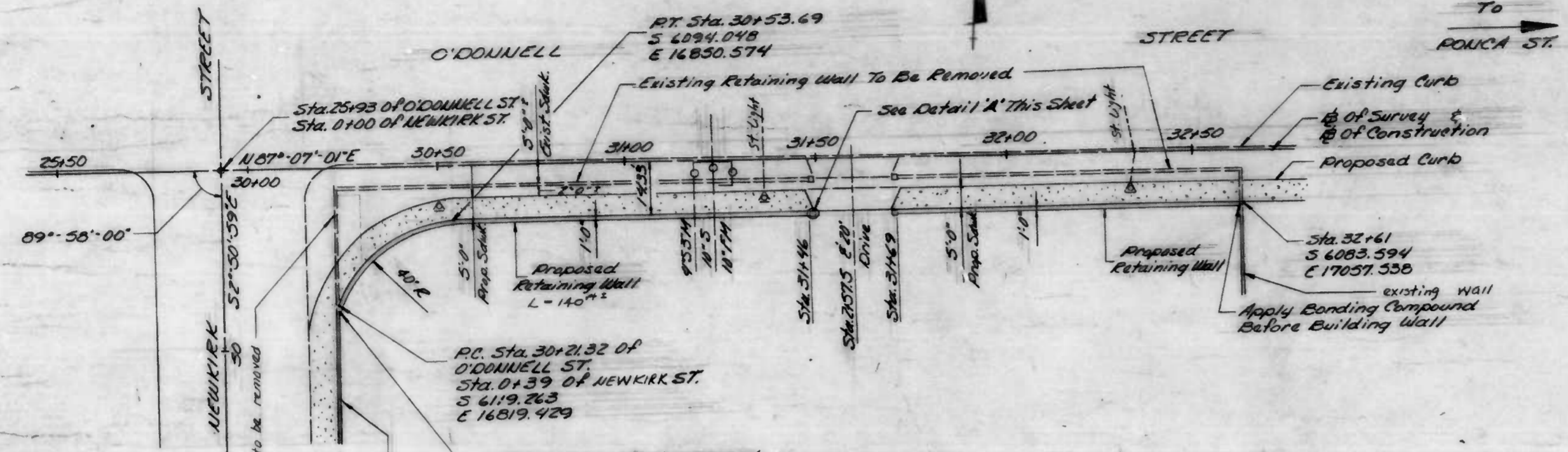
SPECIFICATIONS: City of Baltimore Department of Public Works Specifications for Material, Highways, Bridges, Utilities, and Ancillary Structures Dated 1979, Including All Revisions Thereof And Amendments Thereof, And Special Provisions for Materials, M.S.M.T.O. Standard Specifications for Highway Bridges Dated 1977 for Design, Including 1978 Interim Specifications.

CONCRETE: All Concrete for Reinforced Concrete Wall Shall Be Mix No. 6 28 Day Strength 4,500 p.s.i.

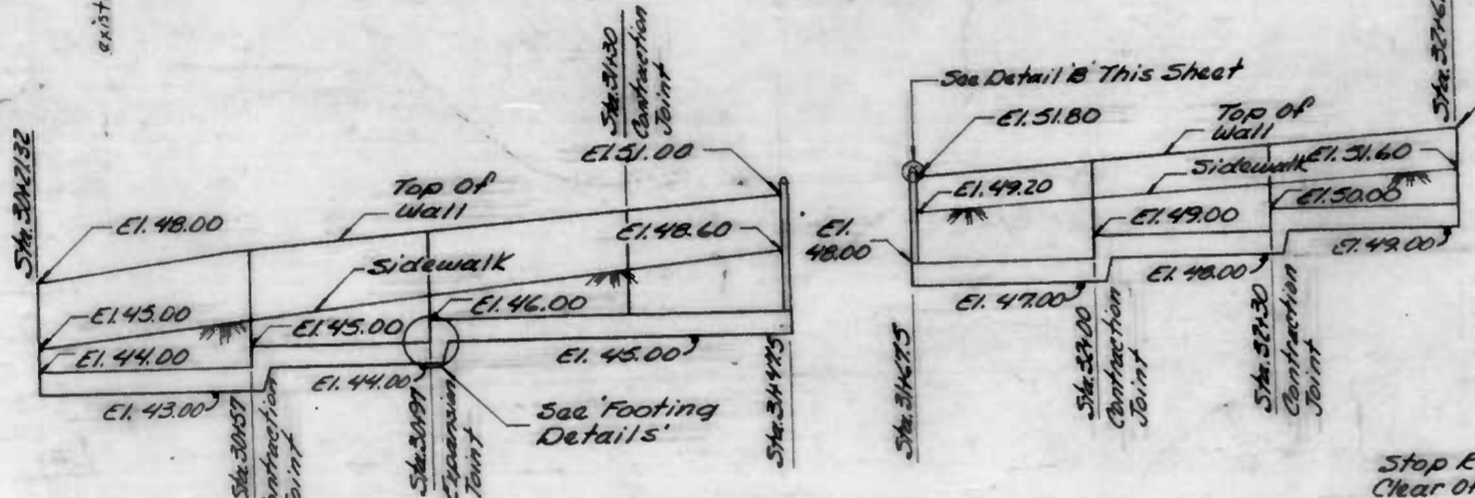
REINFORCING STEEL: Reinforcing Steel Shall Conform to A.S.T.M. Designation A-615, Grade 40. All Splices Shall Be Lapped A Minimum of 30 Bar Diameters. Minimum Cover over Top of Reinforcing Steel Shall Be 3".

CHAMFER: All Exposed Corners of Concrete Shall Be Chamfered With 3/4" x 3/4" Milled Chamfer Strips.

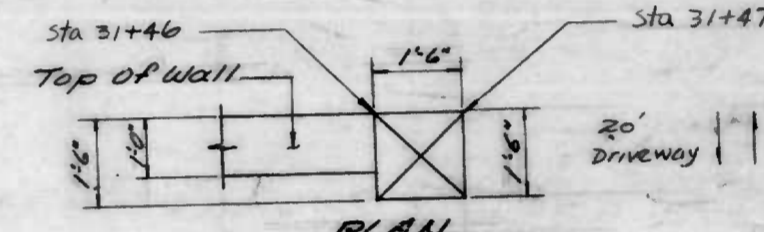
EXISTING UTILITIES: Utilities Are Shown On The Drawing Merely For The Convenience Of The Contractor And The City Does Not Warrant Or Guarantee The Correctness Of This Information Given Nor For Any Construction Difficulty Arising Therefrom. The Contractor Must Verify All Such Information To His Satisfaction.



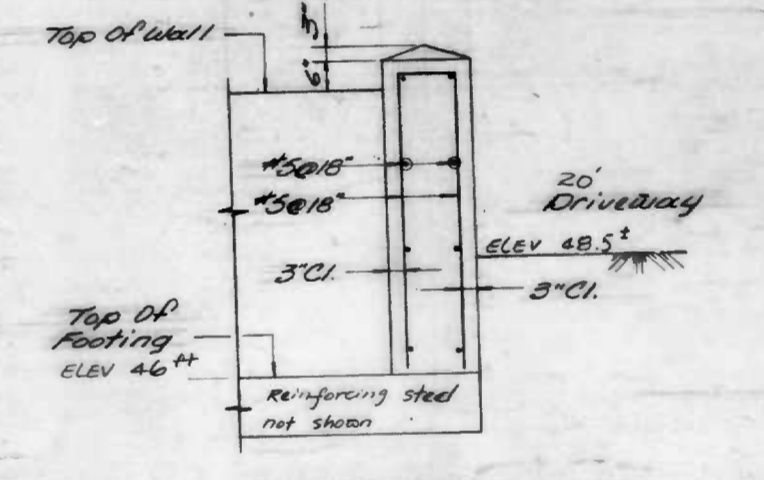
PLAN
Scale: 1" = 20'



ELEVATION
Scale: Horiz. 1" = 20'
Vert. 1" = 5'

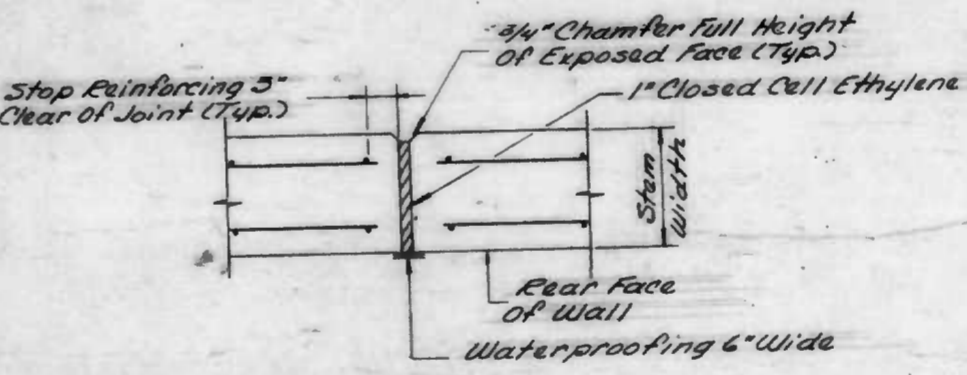


DETAIL A



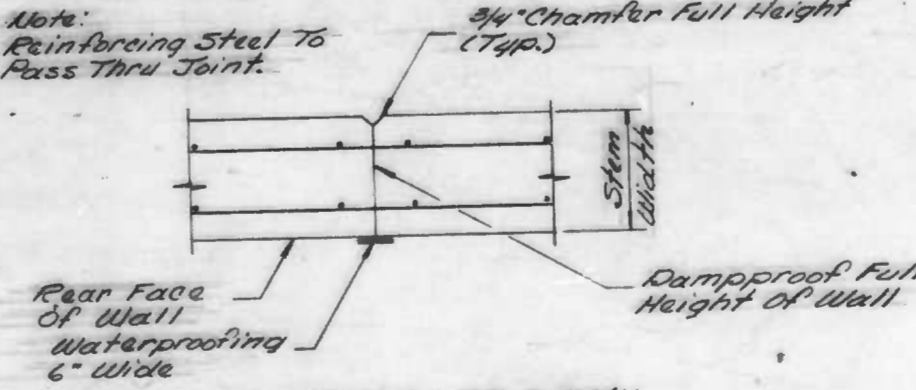
ELEVATION

DETAIL A



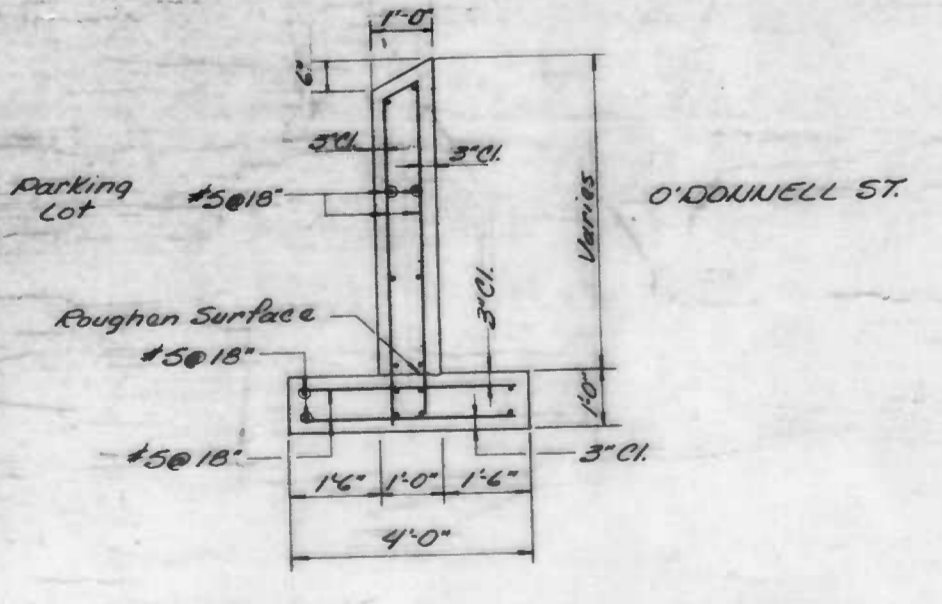
EXPANSION JT DETAIL

at Sta 30+90 & 32+35

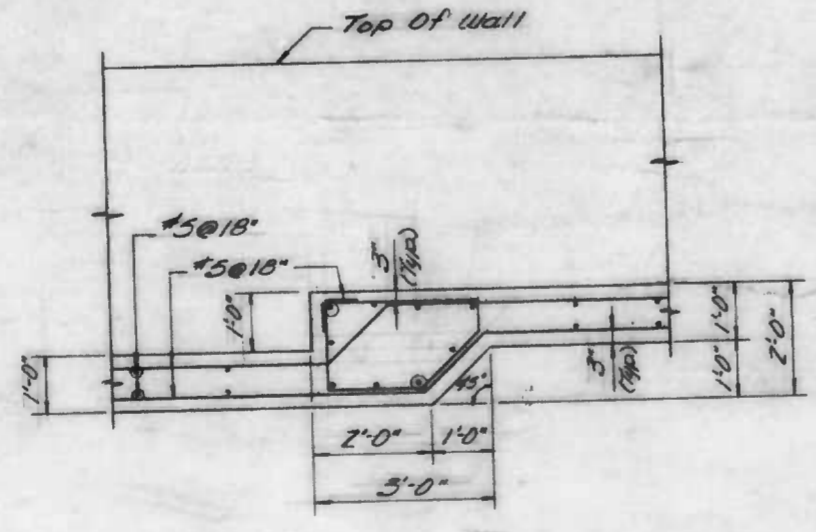


CONTRACTION JT DETAIL

at Sta 30+50, 31+25 & 32+05



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



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

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
Contract No. 2610
O'DONNELL STREET (SOUTH SIDE)
NEWKIRK STREET - PONCA STREET
RETAINING WALLS

GENERAL PLAN AND ELEVATION

SCALE As Shown
Bridge Section
DATE October, 1979
SHEET 5 OF 15

FILE REF.

FILE REF.

REVISIONS		
NO.	DESCRIPTION	DATE BY

GENERAL NOTES

SPECIFICATIONS: City of Baltimore Specifications For Material, Highways, Bridges, Utilities And Incidental Structures Dated 1979, And Amendments Thereto And Special Provisions For Materials And Construction, A.A.S.H.T.O. Standard Specifications For Highway Bridges Dated 1977.

STRUCTURAL STEEL: Soldier Piles And Any Structural Or Miscellaneous Steel Shall Conform To A.S.T.M. A-36.

CONCRETE: Concrete Shall Have A Minimum 28 Days Compressive Strength (f_c) As Follows: Precast Concrete Panels: 4500 p.s.i. Mix No. 6
Pile Encasement Grout: 1000 p.s.i. Mix No. 3

REINFORCING STEEL: All Reinforcing Steel Shall Conform To A-615, Grade 40. All Splices Shall Be Lapped A Minimum Of 34 Bar Diameters Unless Otherwise Noted. Minimum Cover For Any Bar Shall Be 3" Unless Otherwise Noted.

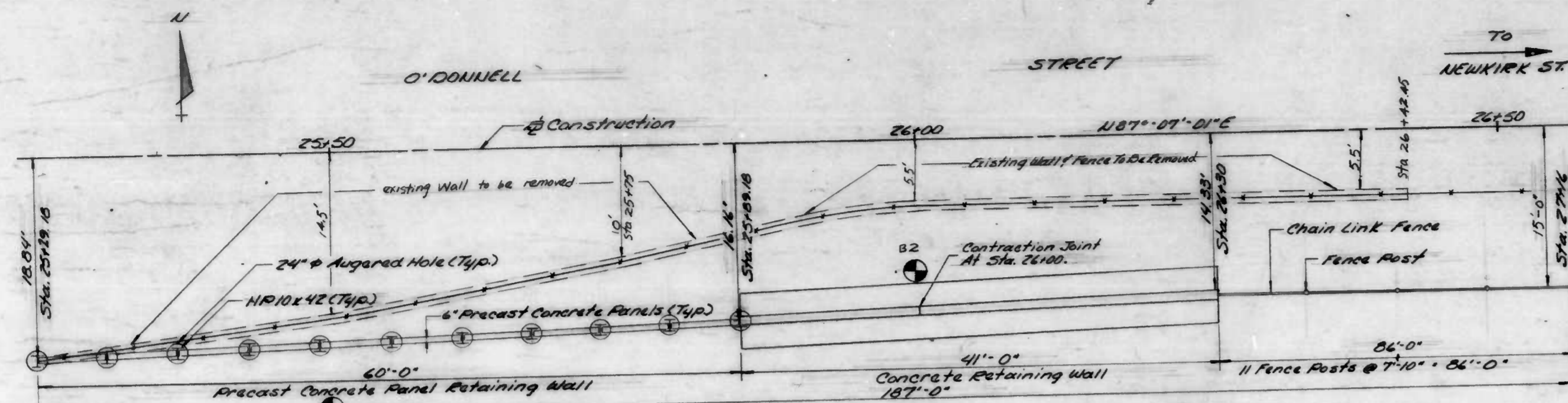
PRECAST CONCRETE PANELS: Precast Concrete Panels Shall Be Made In Accordance With ACH-307.

UTILITIES: Obstructions Are Shown On The Drawings Merely For The Convenience Of The Contractor And The City Does Not Warrant Or Guarantee The Correctness Of This Information Given Here For Any Construction Difficulty Arising Therefrom. The Contractor Must Verify All Such Information Given.

BORINGS: \odot Indicates Boring Locations, See Plan This Sheet.

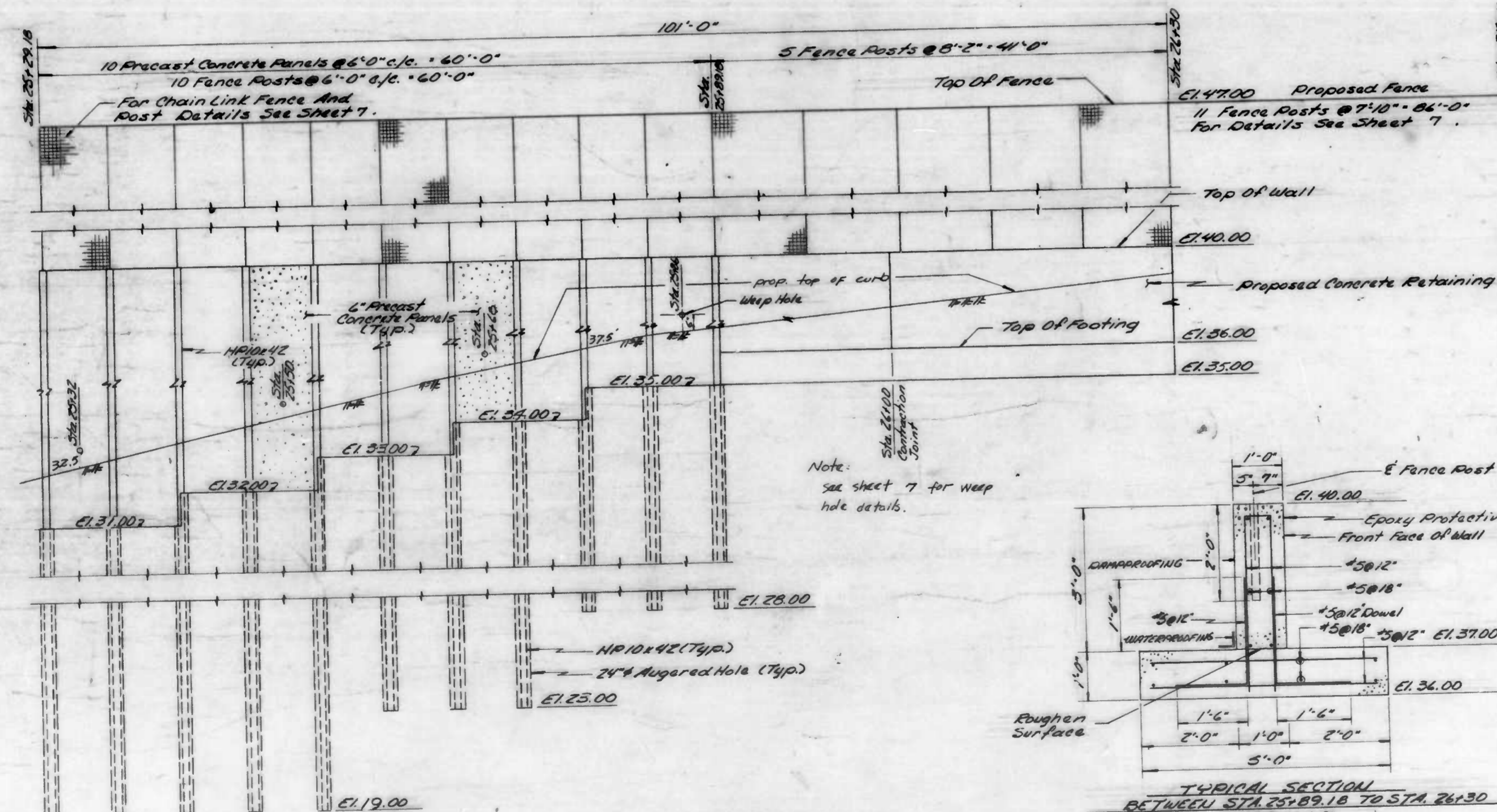
MEMBRANE WATERPROOFING: All Joints Shall Receive 2 Ply Membrane Waterproofing As Provided In The Specifications.

DAMP PROOFING: All Portions Of The Rear Face Of The Retaining Wall That Are In Contact With Earth, See Special Provisions.

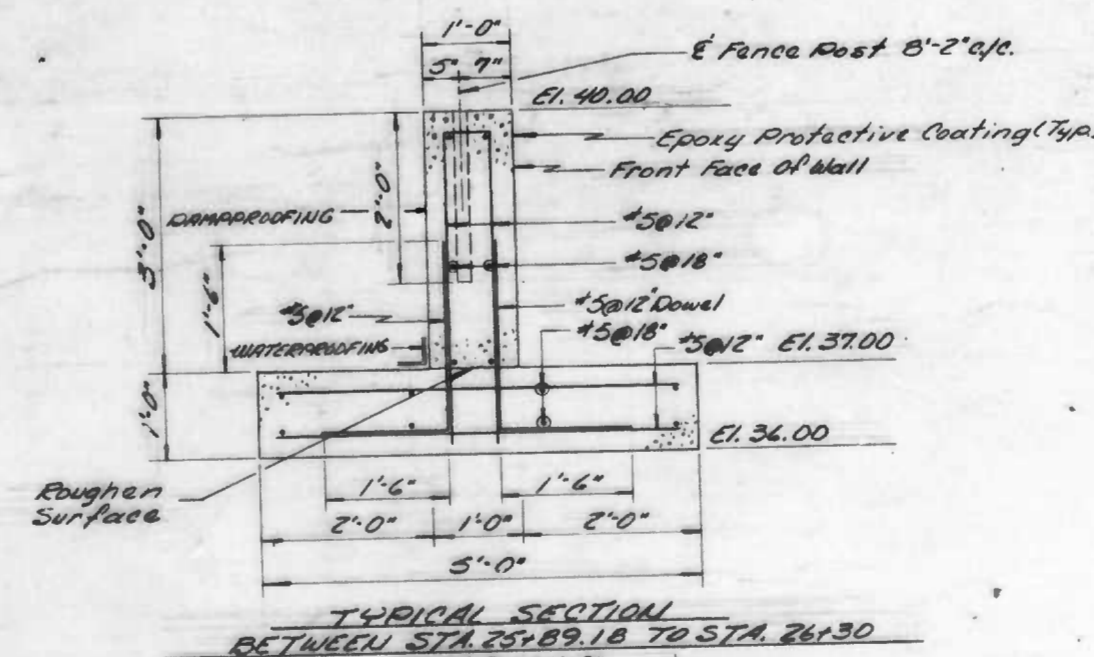


PLAN
Scale: 1" = 6'-0"

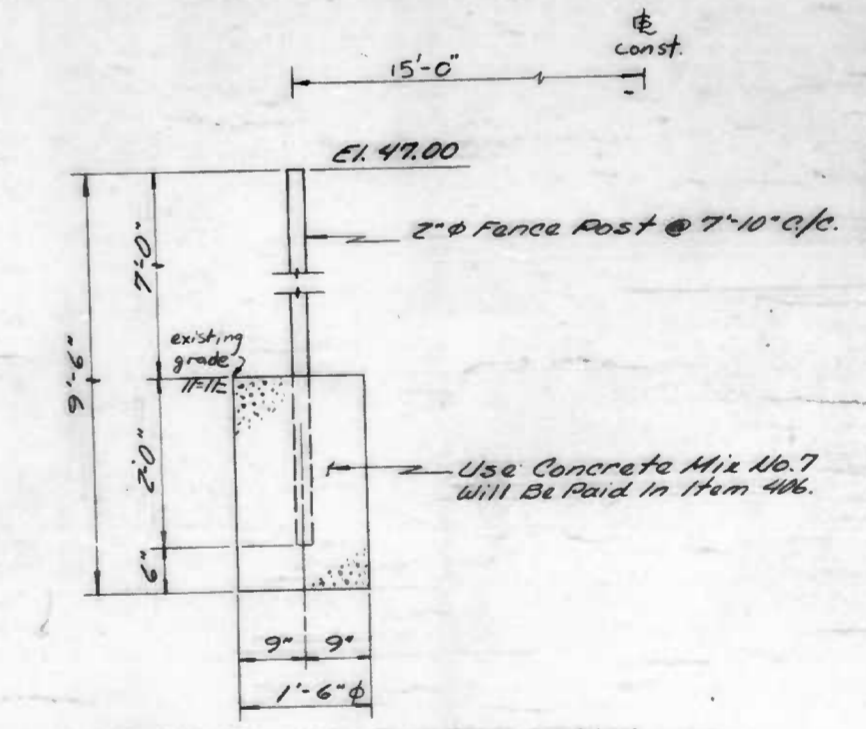
Note: Existing Dirt Between Proposed Wall And Existing Wall, From Sta. 25+29 To Sta. 27+16, Should Be Excavated Down To Final Grade And Paid For In Item 407 "Structure Excavation".



ELEVATION
SCALE: HORIZ. 1" = 6'-0"
VERT. 1" = 2'-0"



TYPICAL SECTION
BETWEEN STA. 25+89.18 TO STA. 26+30
SCALE: 3/4" = 1'-0"



TYPICAL FENCE POST DETAIL
BETWEEN STA. 26+30 TO STA. 27+16
SCALE: 3/4" = 1'-0"

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
Contract No. 2610
O'DONNELL STREET (SOUTH SIDE)
NEWKIRK STREET - RONCA STREET
RETAINING WALLS

GENERAL PLAN AND ELEVATION

SCALE As Shown DATE October, 1979
Bridge Section SHEET 6 OF 15

FILE REF.

FILE REF.

REVISIONS			
NO.	DESCRIPTION	DATE	BY

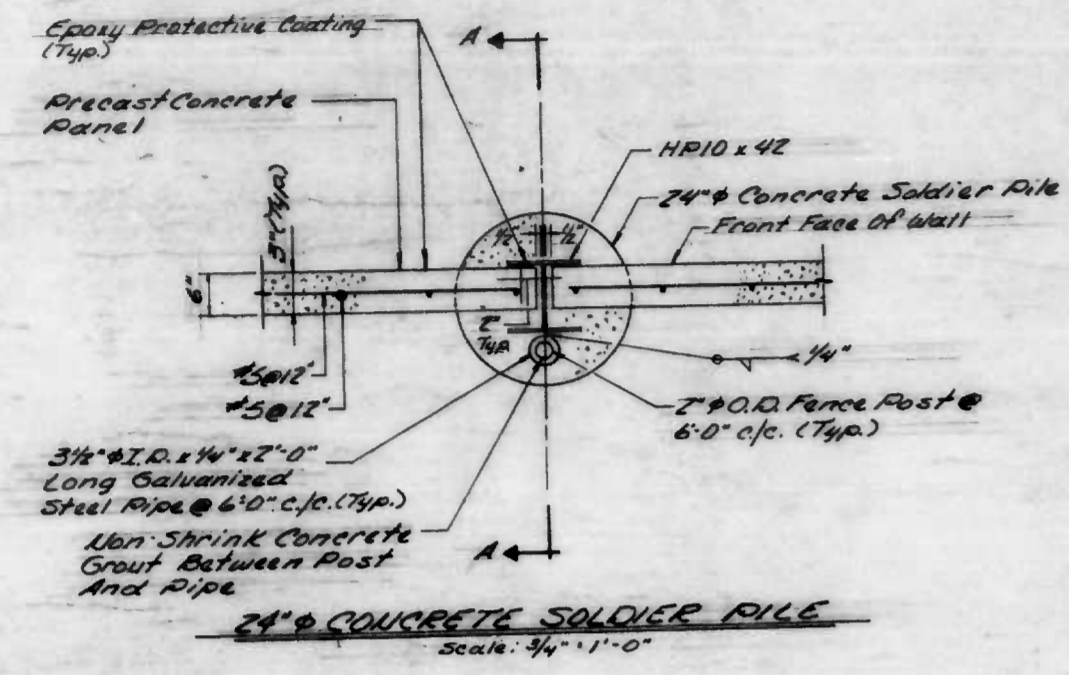
CONSTRUCTION PROCEDURES

A. INSTALL SOLDIER PILES

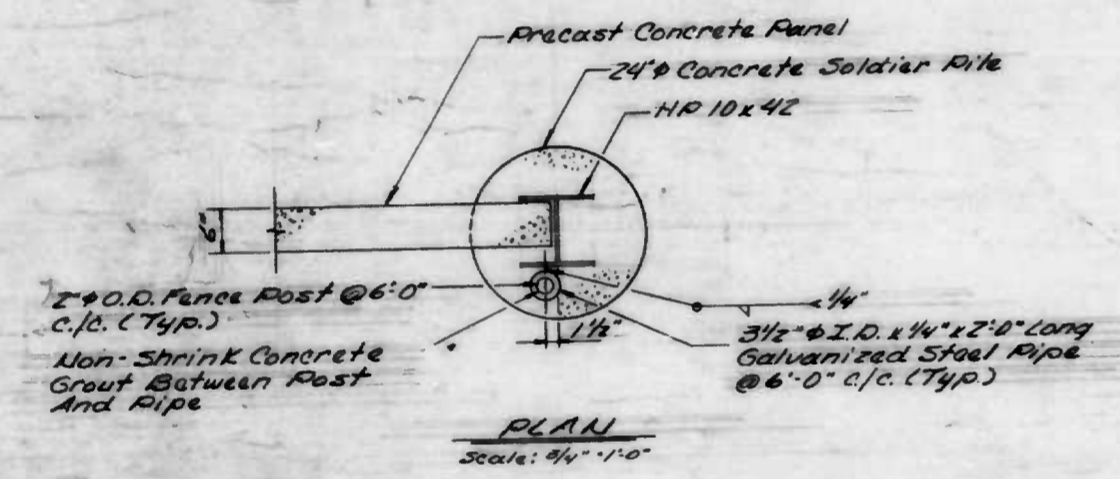
1. Drill 24" Hole From Existing Grade To Indicate Depth As Shown In The Plan.
2. Fill Hole To Proposed Grade With 1000 P.S.I. (At 28 Days) Grout. Maintain Sufficient Head of Grout Above Top of Auger To Prevent Caving Of Hole.
3. Immediately After A Hole Is Grouted, "Drop In" The Soldier Pile. The Soldier Piles Must Be Aligned And On Line. To Insure The Accuracy Of The Placement Devices Shall Be Used. The Method Of Placement And Approval Barred Work Begins.
4. The Top Edge Of Each Pile Shall Be Sand Blasted To Near White Metal And Shop Primed With One Coat Of Epoxy Protective Coating.

B. INSTALL PRECAST PANELS

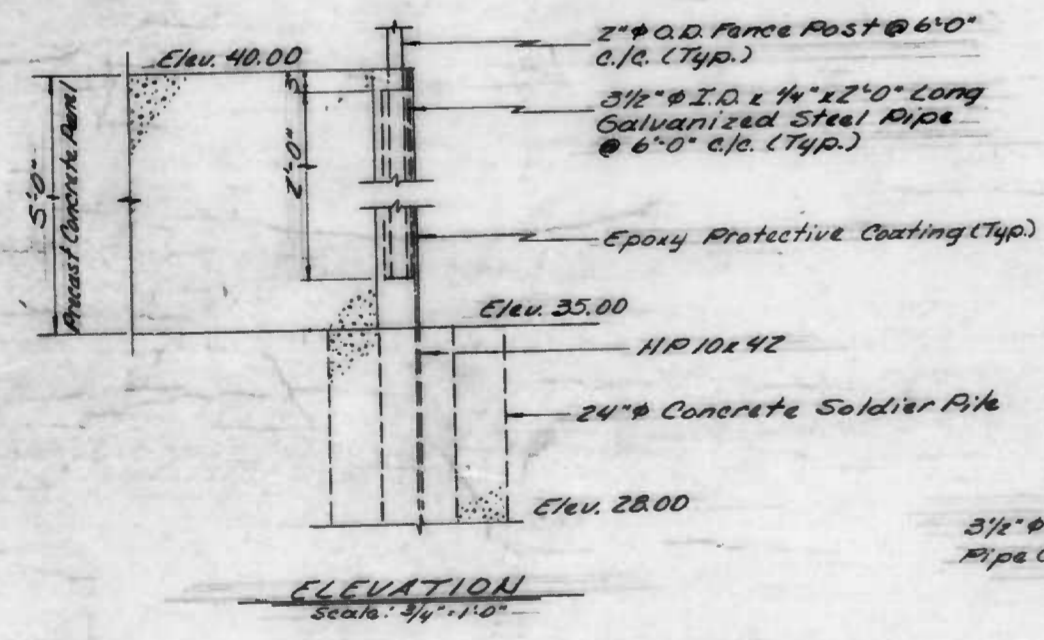
1. After Sufficient Time For Grout To Cure (14 in 2 Weeks), Remove Top 2 Ft. Of Dirt Between Existing Retaining Wall And Proposed New Wall, To 1:1 Or Steeper.
2. One At A Time Suspend The Precast Panel Between The Flanges Of The Soldier Piles In Such A Manner That The Panels Bear Rightly Against The Outside Flanges Of The Soldiers. Lower The Panels Until They Contact The Earth, But Still Suspend The Weight Of The Panel.
3. Remove The Existing Wall & Excavate Soil Below The Panel In Such A Manner To Minimize Loss Of Soil From Behind The Panel. Allow The Weight Of The Panel To Shear Away The Last Few Inches Of Soil To Be Removed As It Is Being Lowered. Continue Excavating & Lowering The Panel Until The Top Of The Panel Reach Its Final Elevation.
4. Shim and/or grout below the ends of the panels as required to bear on the grout encasing of the soldier piles.
5. Fill the void between ends of panels and web of soldier piles with a non-shrink grout pourable consistency LEMBECA 636 or equivalent.
6. Backfill and compact the excavation to existing ground or as directed by the Engineer.
7. Existing wall to be removed after proposed panel walls are in place.



24" CONCRETE SOLDIER PILE
Scale: 1/4" = 1'-0"

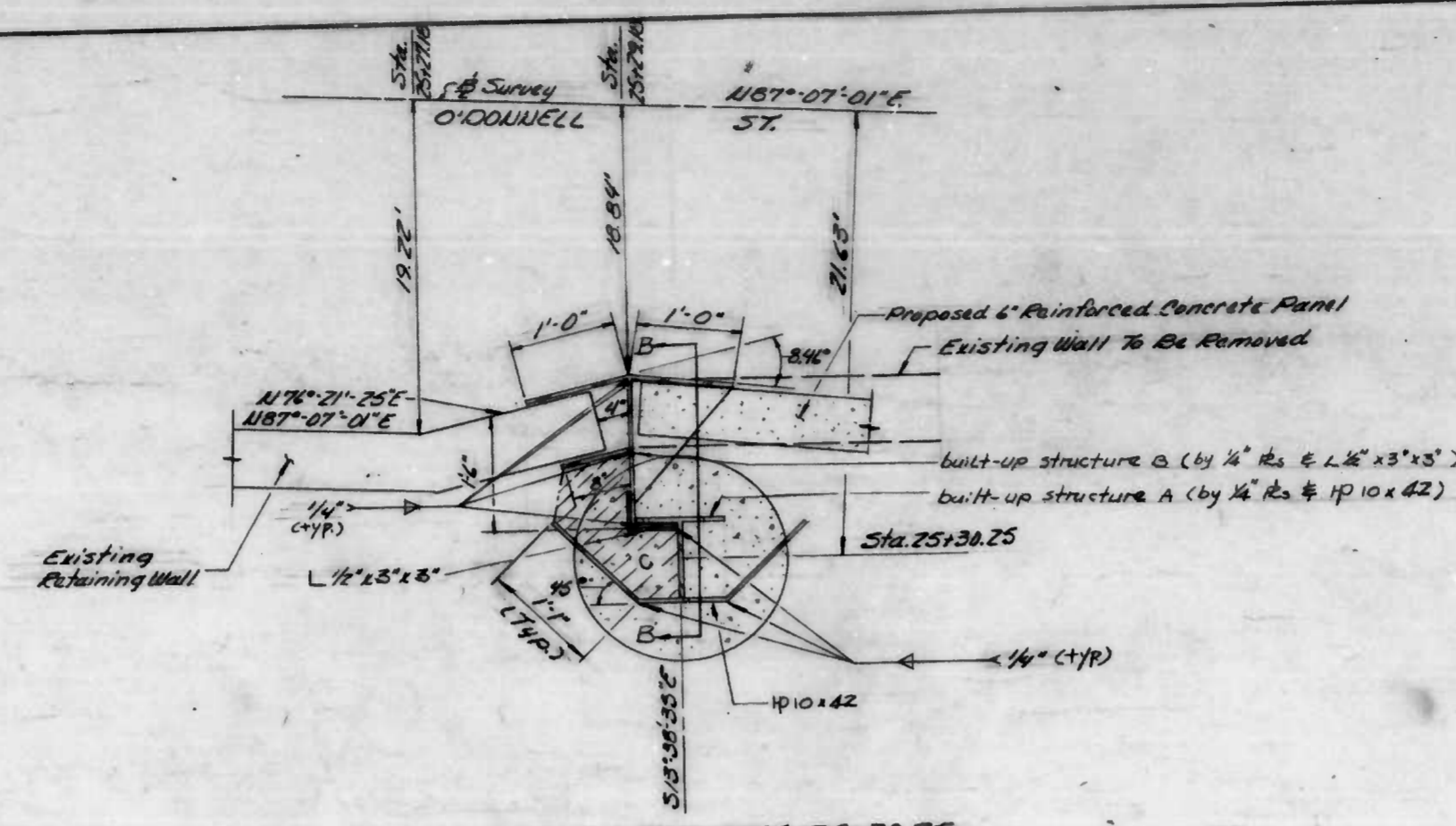


PLAN
Scale: 1/4" = 1'-0"

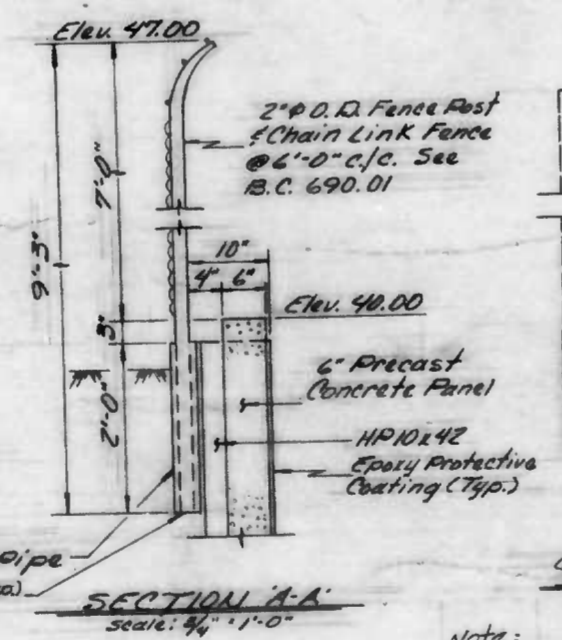


ELEVATION
Scale: 1/4" = 1'-0"

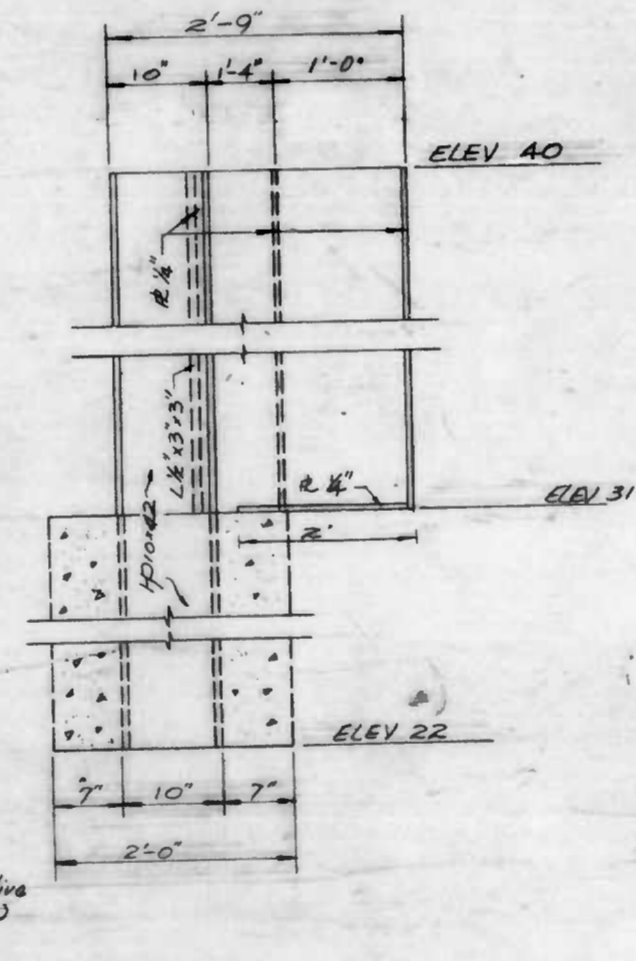
END POST DETAILS @ STA. 25+89.18



DETAIL 'X' @ STA. 25+30.25
N.T.S.



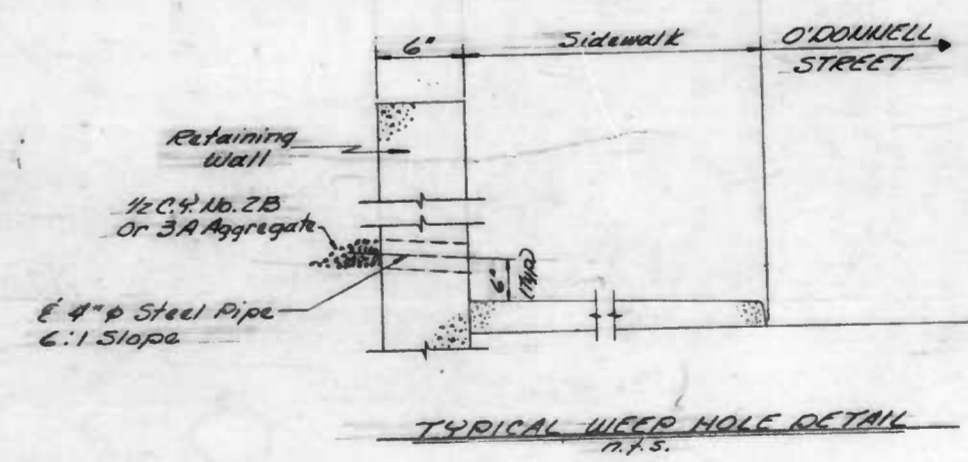
SECTION A-A
Scale: 1/4" = 1'-0"



SECTION B-B
N.T.S.

Note:

1. Drill 24" hole and install structure A
2. Remove existing wall between Sta. 25+29² and 25+30.5² or as directed by Engineer
3. Install structure B and fill area C by grout (from elev 31 to elev 40)
4. Install 6" panel wall
5. Fill void between existing wall and structure B by grout.
6. Concrete Grout To Be Concrete Mix No. 7 And Paid For In Item 402 - HP10x42 Soldier Pile.
7. Structure A & B Will Be Paid For In Item 402



TYPICAL WIPER HOLE DETAIL
N.T.S.

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
Contract No. 2610

O'DONNELL STREET (SOUTH SIDE)
NEWKIRK STREET - DONCA STREET
RETAINING WALLS

SOLDIER PILE AND RAILING DETAILS

SCALE As Shown
Bridge Section

DATE October, 1979
SHEET 7 OF 15

FILE REF.

REVISIONS			
NO.	DESCRIPTION	DATE	BY

NOTE
ALL INLETS SHALL BE DEPRESSED UNLESS INDICATED OTHERWISE.

NOTE
"E" COMB. INLET GRATES TO BE NO. 1 GRATES

NOTE
CONTRACTOR MAY USE EXTRA STRENGTH VITRIFIED PIPE IN LIEU OF CLASS II REINFORCED CONCRETE PIPE (ELL & SPIRO) FOR INLET CONNECTIONS. NO EXTRA PAYMENT WILL BE MADE.

TYPE OF JOINT FOR PIPE
Reinforced Concrete Pipe Inlet Conn. Cement Mortar "O" Ring Rubber Gasket
Vitrified Pipe Inlet Conn.

Baseline Coordinates			
Sta.	East	South	Plus
31+00	16896.104	6077.400	
33+00	17095.850	6067.341	
34+00	17195.724	6062.312	
34+08	17200.718	6062.040	

Property Line Coordinates			
Sta.	East	South	Plus
M1	16819.429	6119.263	30+21.316
M2	16850.574	6094.048	30+53.690
W11	17057.938	6083.594	32+41.318
W32	17116.663	6080.623	33+20.317

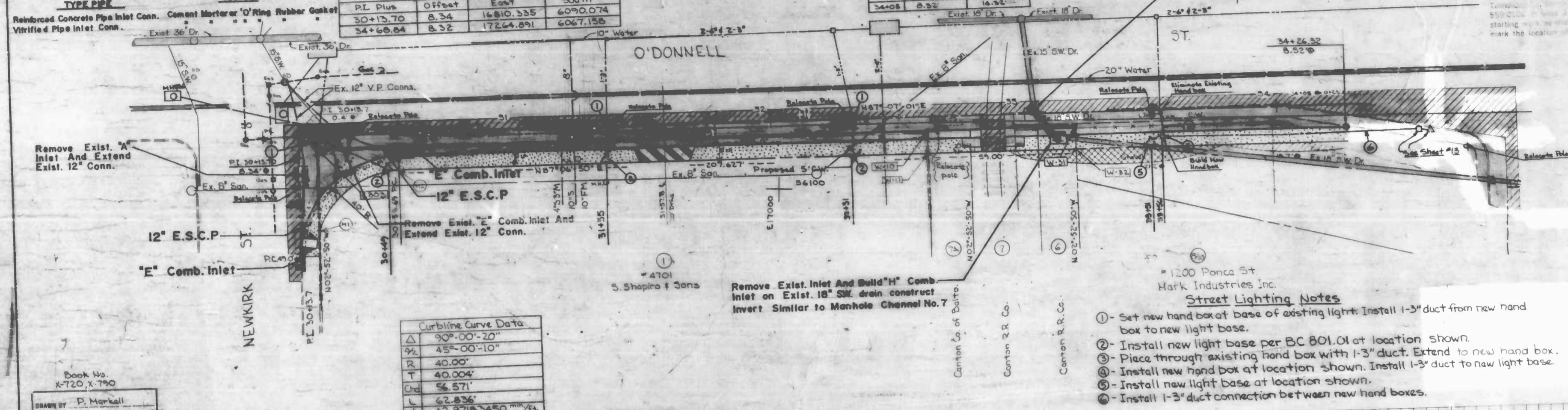
P.I. Coordinates			
P.I. Plus	Offset	East	South
30+13.70	8.34	16810.335	6090.074
34+68.84	8.32	17264.891	6067.158

Sta.	Curbside	Property Line
30+25.7	8.34	16.34
30+75	8.34	14.34
31+00	8.34	14.34
31+25	8.34	14.34
31+50	8.34	14.34
31+75	8.34	14.34
32+00	8.32	14.32
32+25	8.32	14.32
32+50	8.32	14.32
32+75	8.32	14.32
33+00	8.32	14.32
33+25	8.32	14.32
33+50	8.32	14.32
33+75	8.32	14.32
34+00	8.32	14.32
34+08	8.32	14.32

NOTE: OBSTRUCTIONS ARE SHOWN ON THIS DRAWING FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND THE CITY DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS OF THE CONTRACTOR'S INTERPRETATION THEREOF. THE CONTRACTOR MUST VERIFY ALL FIELD INFORMATION TO HIS OWN SATISFACTION.

NOTE: SOIL EROSION & SEDIMENT CONTROL
WHENEVER POSSIBLE, LIMIT GRADING TO ONE (1) FEET PER 100 FEET. CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL MEASURES TO PREVENT POLLUTION OF ADJACENT WATERWAYS AND TO PROTECT ALL UTILITIES IN THESE AREAS AT ALL TIMES.

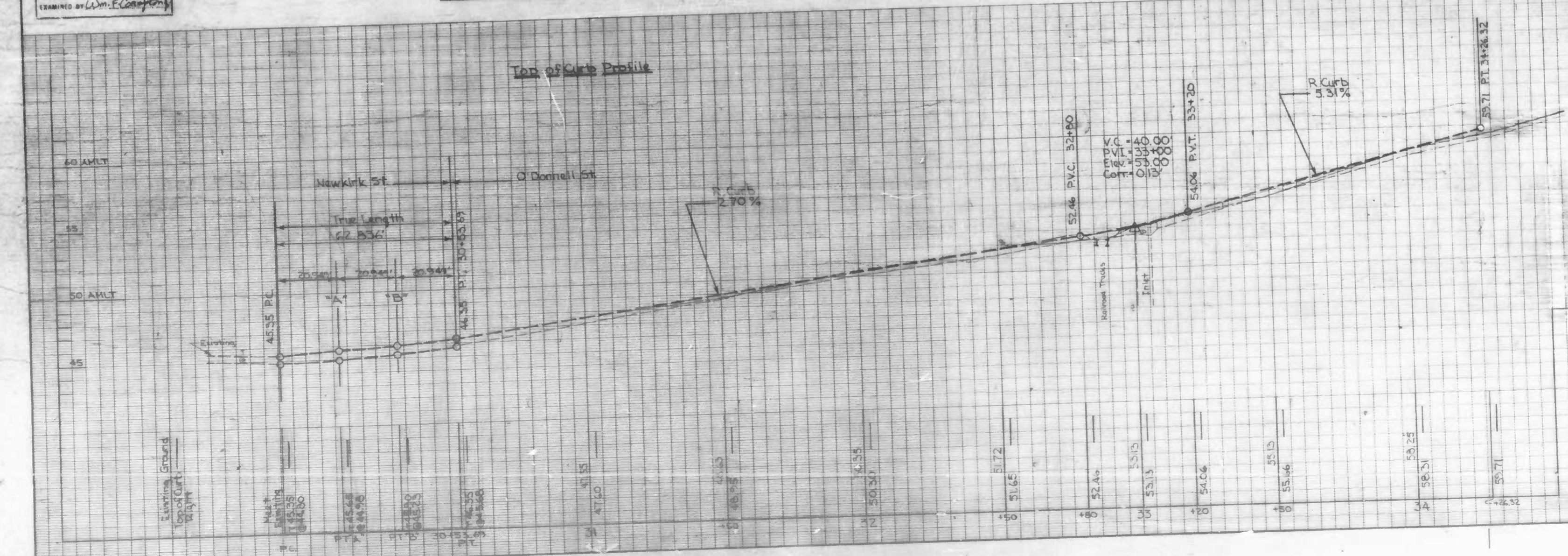
NOTE: THE CITY OF BALTIMORE, MD. PUBLIC UTILITIES AT 550 CALVERT STREET, BALTIMORE, MD. 21202, IS REQUESTING THAT YOU ARRANGE TO MARK THE LOCATION OF ALL UTILITIES.



Curbside Curve Data	
Δ	90°-00'-20"
9x	45°-00'-10"
R	40.00'
T	40.00'
Chd	56.571'
L	62.836'
d	42.371 @ 3450 mm/yr

Book No. X-720, X-790
DRAWN BY P. Merkall
EXAMINED BY Wm. F. Cooney

Bench Marks
B.M. # 7941-10 cut in South End of granite door sill entrance to 238 Crown Cork Seal Co. West Side of Newkirk St. 500' ± South of O'Donnell St. Elev. 45.01'



CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
CONTRACT NO 2610

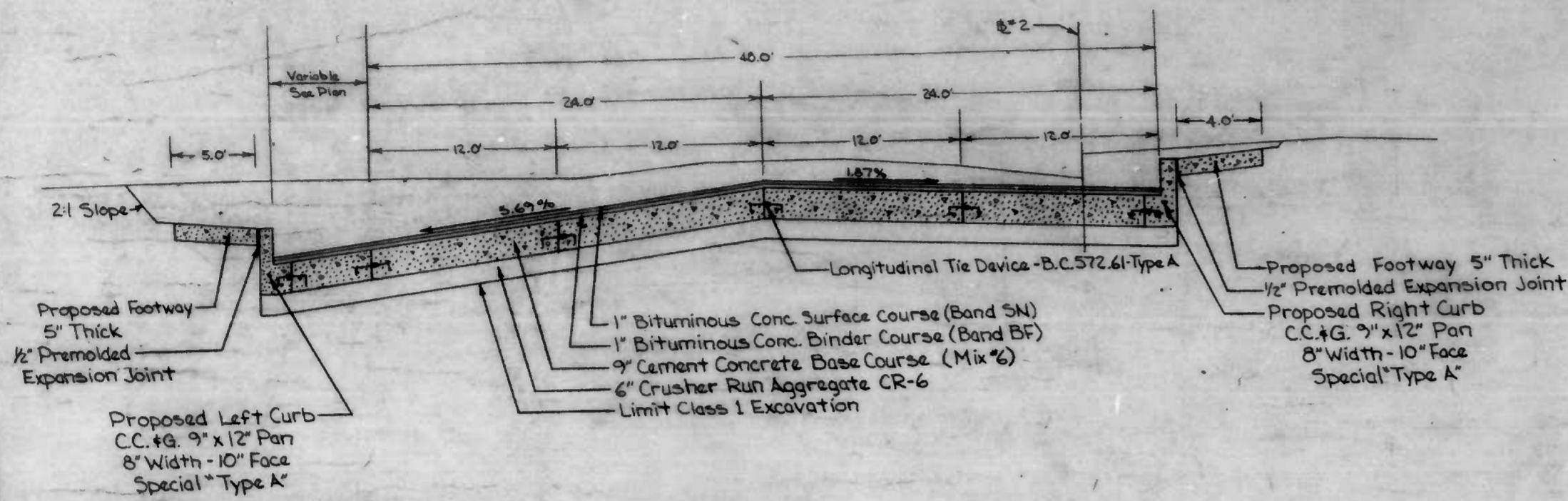
O'DONNELL ST (SOUTH SIDE)
NEWARK ST ~ PONCA ST
UTILITY PLAN

SCALE: HOR. 1" = 20' VER. 1" = 4' DATE: _____
HIGHWAY ENGINEERING DIVISION SHEET 10 OF 15

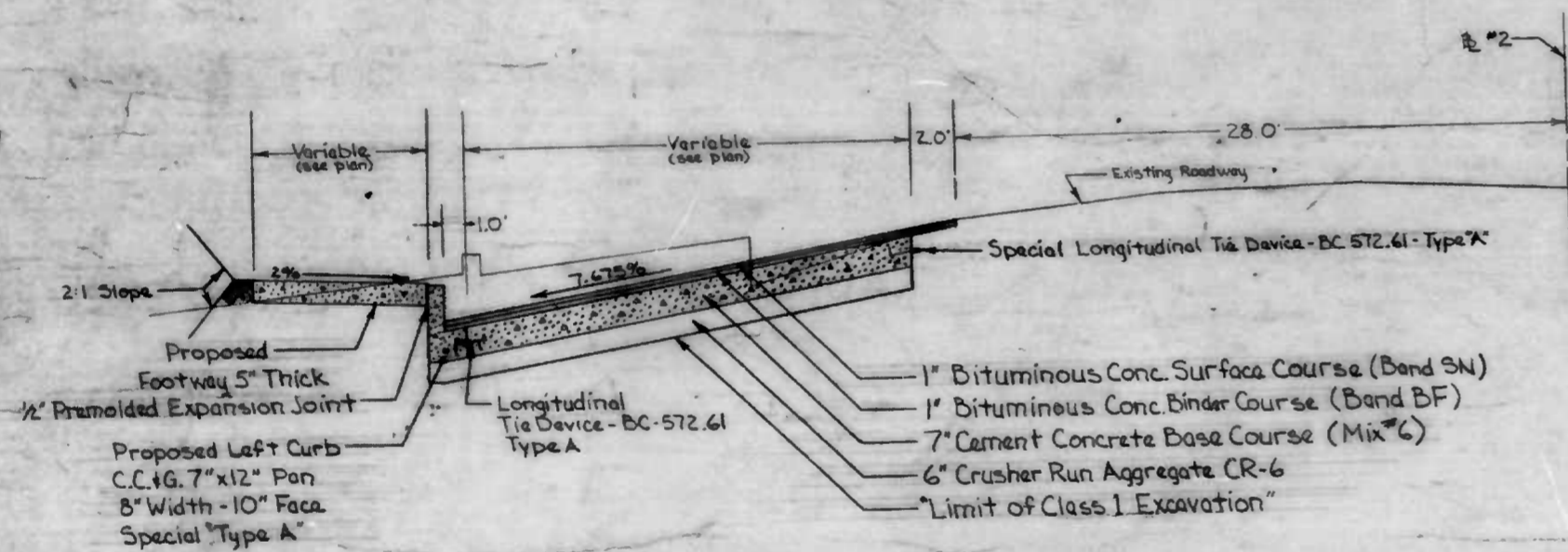
K&E BALTIMORE 12 188 HORIZONTAL 1-74 M2077

FILE REF.

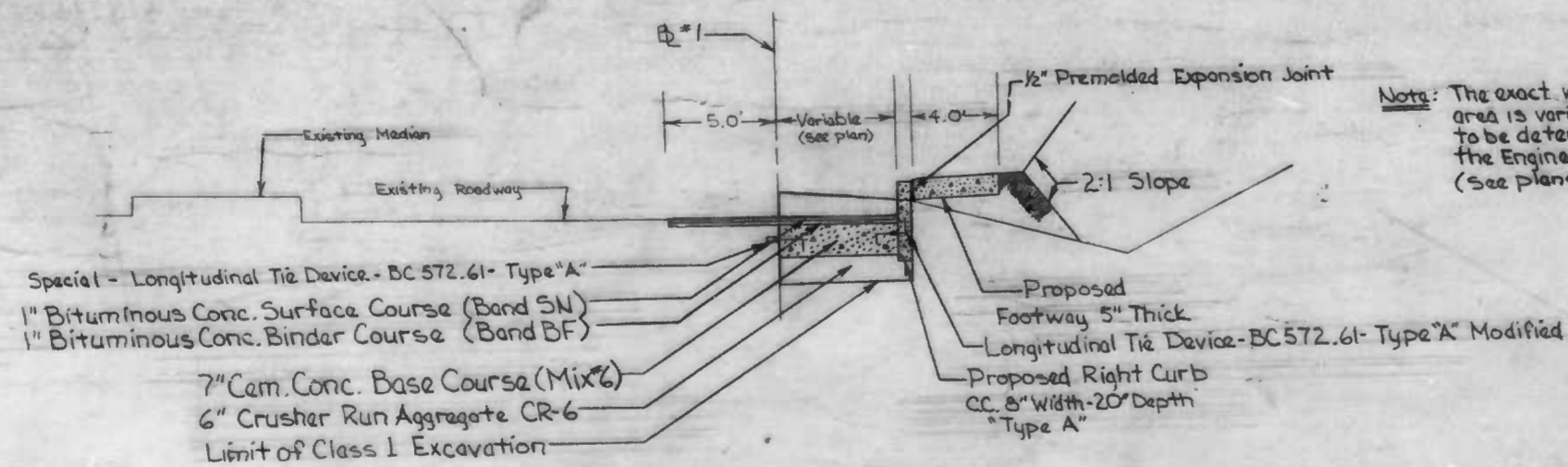
REVISIONS			
NO.	DESCRIPTION	DATE	BY



TYPICAL DETAIL SECTION - PONCA ST.
Sta. 0+75 to O'DONNELL ST.



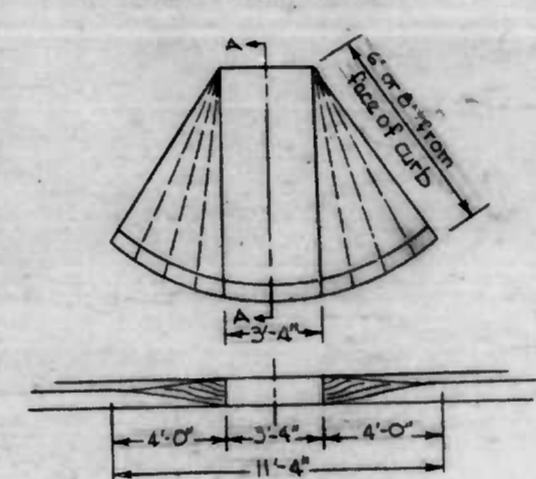
TYPICAL DETAIL SECTION - PONCA ST.
O'DONNELL ST. to Sta. 2+28



TYPICAL DETAIL SECTION - PONCA ST.
Sta. 0+00 to Sta. 0+50
Scale: Hor. 1"=5.0', Ver. 1"=2.0'

Note: The exact width in this area is variable and is to be determined by the Engineer in the field. (See plans)

Broom Finish Parallel with Face of Curb



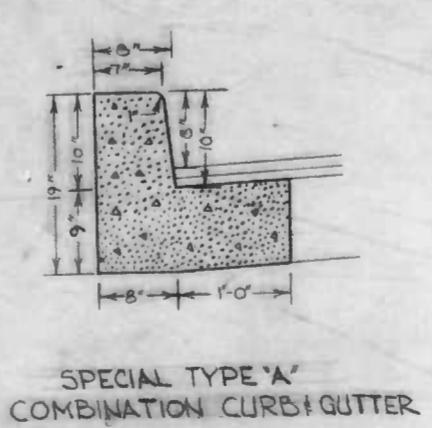
No Lip

2.0% ±

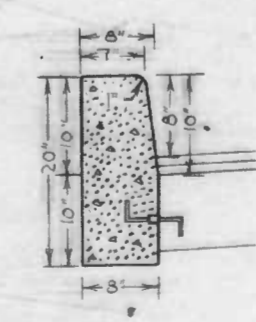
Slope to a point 8' from Face of Curb



PEDESTRIAN RAMP
No Scale



SPECIAL TYPE A COMBINATION CURB & GUTTER



STANDARD TYPE A CONCRETE CURB

LEGEND

- Indicates Approximate Limit of Proposed Paving
- Indicates Approximate Limit of Proposed Concrete Walk
- Indicates Proposed Driveway - 7" Cement Concrete
- Indicates Approximate Limit of Proposed Cut-Slope
- Indicates Approximate Limit of Proposed Fill-Slope
- Indicates Areas to be Stripped to Existing Concrete Base and Resurfaced with 1" Bituminous Conc. Surface Course (Band SN) & 1" Bituminous Conc. Binder Course (Band BF)
- Indicates Approximate Limit of Proposed Area to be Wedged and Levelled with Variable Depth Bituminous Concrete Binder Course (Band BF), and 1" Bituminous Concrete Surface Course (Band SN)

Book No. X-717 X-720
DRAWN BY P.H. Markell
EXAMINED BY W.M. F. Campbell

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
CONTRACT NO. 2610

CHANNELIZATION
INTERSECTION OF -
O'DONNELL ST. AND PONCA ST.
TYPICAL SECTIONS AND DETAILS

SCALE AS NOTED DATE
HIGHWAY ENGINEERING DIVISION SHEET 11 OF 15

FILE REF.

FILE REF.

REVISIONS		
NO.	DESCRIPTION	DATE BY

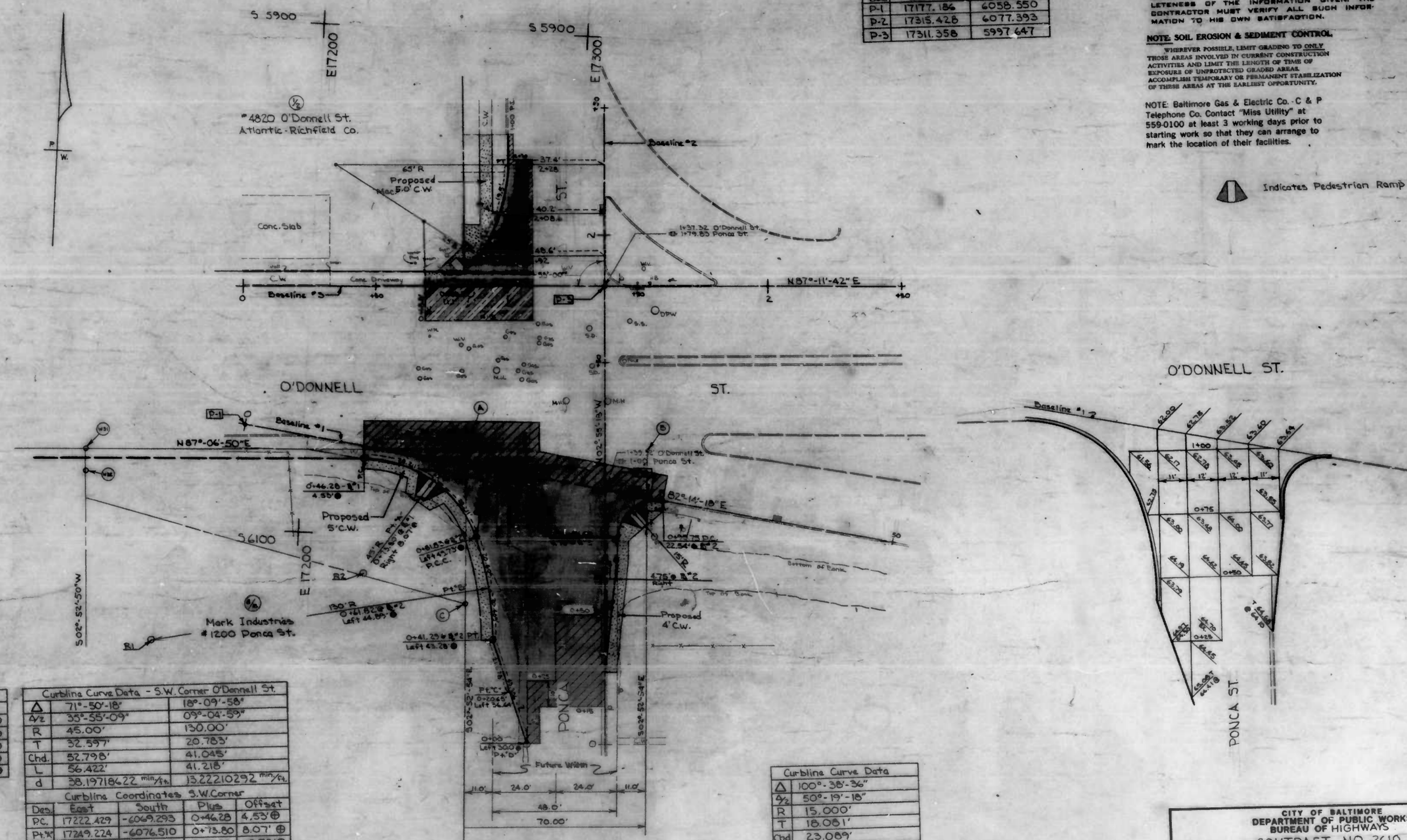
Baseline Co-ordinates		
Des.	East	South
P-1	17177.184	6058.550
P-2	17315.428	6077.393
P-3	17311.358	5997.647

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.

NOTE: SOIL EROSION & SEDIMENT CONTROL. WHEREVER POSSIBLE, LIMIT GRADING TO ONLY THOSE AREAS INVOLVED IN CURRENT CONSTRUCTION ACTIVITIES AND LIMIT THE LENGTH OF TIME OF EXPOSURE OF UNPROTECTED GRADED AREAS. ACCOMPLISH TEMPORARY OR PERMANENT STABILIZATION OF THESE AREAS AT THE EARLIEST OPPORTUNITY.

NOTE: Baltimore Gas & Electric Co. - C & P Telephone Co. Contact "Miss Utility" at 559-0100 at least 3 working days prior to starting work so that they can arrange to mark the location of their facilities.

Indicates Pedestrian Ramp



Property Line Coordinates				
Des.	East	South	Plus	Offset
W31	17116.420	-6071.639	+0.58.44	21.18' @
W32	17116.873	-6080.634	+0.56.78	30.03' @
(A)	17260.470	-6064.370	+0.83.31	5.48' @
(B)	17330.380	-6060.800	+4.52.09	18.46' @
(C)	17263.508	-6124.734	+0.94.47	53.92' @

Curbline Curve Data - S.W. Corner O'Donnell St.			
Δ	71°-50'-18"	18°-09'-58"	
Δ/2	35°-55'-09"	09°-04'-59"	
R	45.00'	130.00'	
T	32.597'	20.783'	
Chd.	52.798'	41.045'	
L	56.422'	41.218'	
d	38.19718422 min/ft	13.22210292 min/ft	

Curbline Coordinates S.W. Corner				
Des.	East	South	Plus	Offset
P.C.	17222.429	-6069.293	+0.46.28	4.53' @
P.T.M.	17249.224	-6076.510	+0.73.80	8.07' @
P.C.C.	17266.692	-6098.074	+0.81.83	49.75' @
P.T.M.	17272.542	-6117.813	+0.61.82	44.89' @
P.T.	17275.201	-6138.228	+0.41.29	43.28' @
P.T.C.	17282.881	-6158.500	+0.20.65	36.64' @
P.H.	17290.563	-6178.772	+0.00.00	30.00' @
R1	17149.366	-6144.763	+0.19.88	89.72' @
R2	17224.694	-6114.236	+0.54.59	48.76' @

Curbline Curve Data			
Δ	100°-38'-36"		
Δ/2	50°-19'-18"		
R	15.000'		
T	18.081'		
Chd.	23.089'		
L	26.348'		
d	114.59155866 min/ft		

Coordinate Data - S.E. Cor. O'Donnell St.			
Point	East	South	Plus/Offset
P.T.	17321.144	6096.106	+0.81.02 4.75' @
P.I.	17320.234	6078.048	+0.93.10 4.77' @
P.C.	17338.150	6080.489	+0.95.73 22.54' @

Book No. X-717, X-720

DRAWN BY D.H. Markell
EXAMINED BY Wm. F. Coe

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
CONTRACT NO. 2610

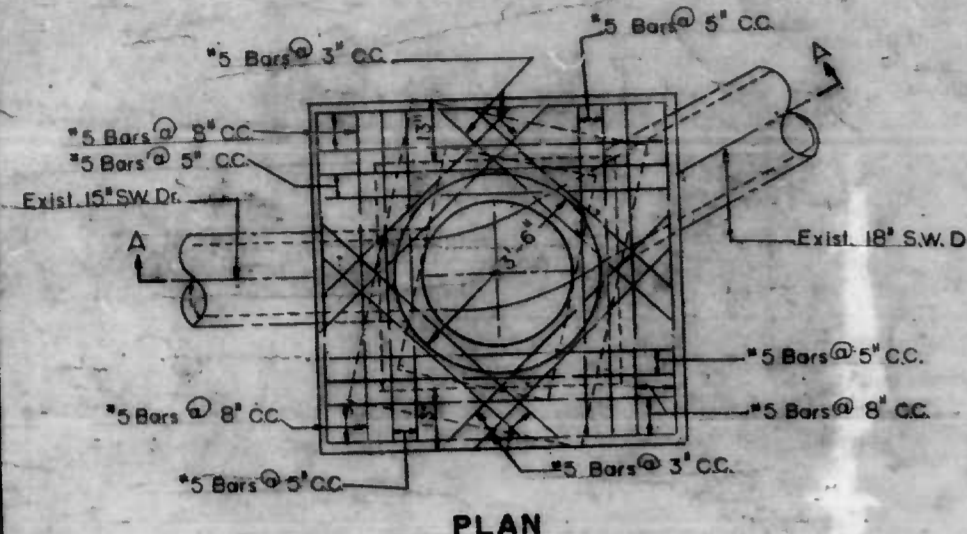
CHANNELIZATION
INTERSECTION OF -
O'DONNELL ST. AND PONCA ST.
PLAN

SCALE 1"=20.0' DATE
HIGHWAY ENGINEERING DIVISION SHEET 12 OF 15

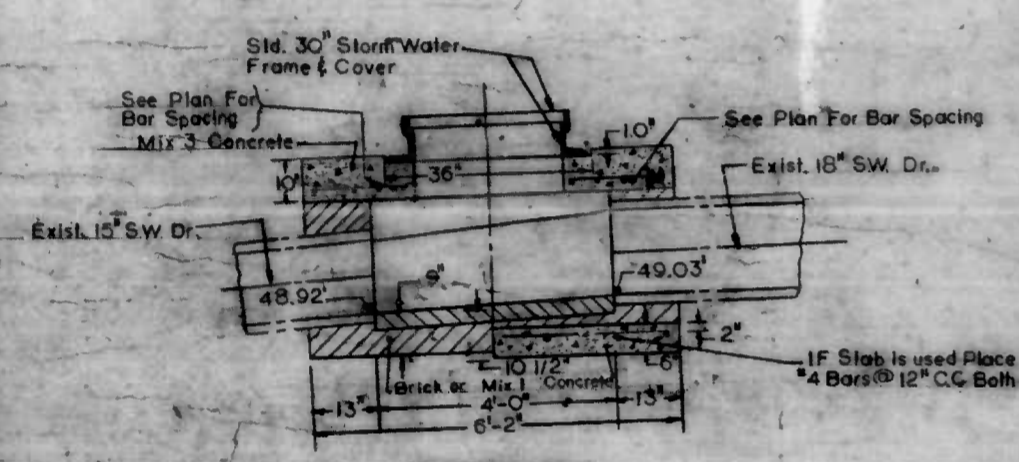
FILE REF.

FILE REF.

REVISIONS			
NO.	DESCRIPTION	DATE	BY



PLAN



SECTION A-A
DETAIL OF SPECIAL MANHOLE
SCALE 1/2" = 1'

Baseline Co-ordinates			
Des.	East	South	
P-1	17117.186	6058.550	
P-2	17315.428	6077.393	
P-3	17311.358	5997.647	

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.

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NOTE: Baltimore Gas & Electric Co. - C & P Telephone Co. Contact "Miss Utility" at 559-0100 at least 3 working days prior to starting work so that they can arrange to mark the location of their facilities.

Indicates Pedestrian Ramp.

Street Lighting Notes

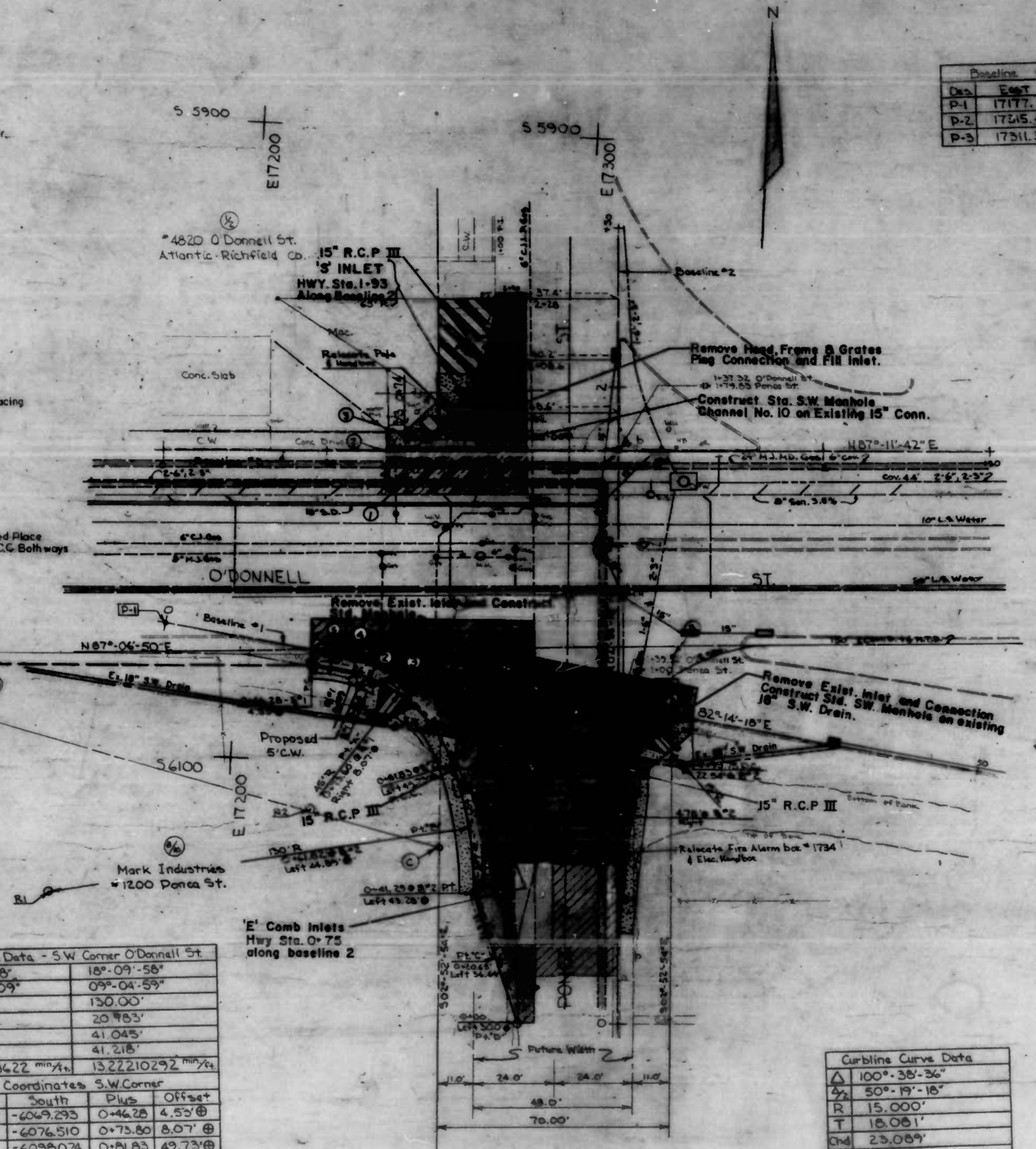
- ① - Install new hand box on existing duct line.
- ② - Install 1-3" duct from new hand box to new light base.
- ③ - Install new light base per B.C.801.01 at location shown.
- ④ - Install new hand box at location shown.
- ⑤ - Install 1-3" duct from new hand box to new hand box.

NOTE: ALL INLETS SHALL BE DEPRESSED UNLESS INDICATED OTHERWISE.

NOTE: COMB. INLET GRATES TO BE NO. 1 GRATES

NOTE: CONTRACTOR MAY USE EXTRA STRENGTH VITRIFIED PIPE IN LIEU OF CLASS 4 REINFORCED CONCRETE PIPE BELL & SPIGOT FOR INLET CONNECTIONS. NO EXTRA PAYMENT WILL BE MADE.

TYPE OF JOINT FOR PIPE	
TYPE PIPE	JOINT
Reinforced Concrete Pipe Inlet Conn.	Cement Mortar or O'Ring Rubber Gasket
Vitrified Pipe Inlet Conn.	



Property Line Coordinates				
Des.	East	South	Plus	Offset
W31	17116.420	-6071.639	0-58.44	21.18' @
W52	17116.873	-6080.634	0-56.78	30.09' @
(A)	17220.470	-6064.370	0-85.31	5.48' @
(B)	17330.380	-6060.800	1-52.09	18.46' @
(C)	17263.508	-6124.734	0-94.47	55.92' @

Curbline Curve Data - S.W. Corner O'Donnell St.				
Δ	71°-50'-18"	18°-09'-58"		
Δ/2	35°-55'-09"	09°-04'-59"		
R	45.00'	130.00'		
T	32.597'	20.983'		
Chd.	52.795'	41.045'		
L	56.422'	41.218'		
d	38.19718422 min/ft	13.22210292 min/ft		

Curbline Coordinates S.W. Corner				
Des.	East	South	Plus	Offset
PC	17222.429	-6069.293	0-46.28	4.53' @
Pt X	17249.224	-6076.510	0-75.80	8.07' @
PCC	17266.692	-6098.074	0-81.83	49.73' @
Pt Y	17272.542	-6117.813	0-61.82	44.89' @
PT	17275.201	-6138.228	0-41.29	43.28' @
Pt Z	17282.881	-6158.500	0-20.65	36.64' @
Pt W	17290.563	-6178.772	0-00.00	30.00' @
R1	17145.366	-6144.763	0-15.88	89.72' @
R2	17224.694	-6114.236	0-54.59	48.76' @

Curbline Curve Data				
Δ	100°-35'-36"			
Δ/2	50°-19'-18"			
R	15.000'			
T	18.081'			
Chd.	23.089'			
L	26.348'			
d	114.59155866 min/ft			

Coordinate Data - S.E. Cor. O'Donnell St.				
Point	East	South	Plus	Offset
PT	17321.144	6096.106	0-81.02	4.75' @
RI	17320.234	6078.048	0-99.10	4.77' @
PC	17338.180	6080.489	0-93.75	22.340'

Book No. X-717, X-720

DRAWN BY P.H. Markwell
CHECKED BY W.M. F. Cooper

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
CONTRACT NO. 2610

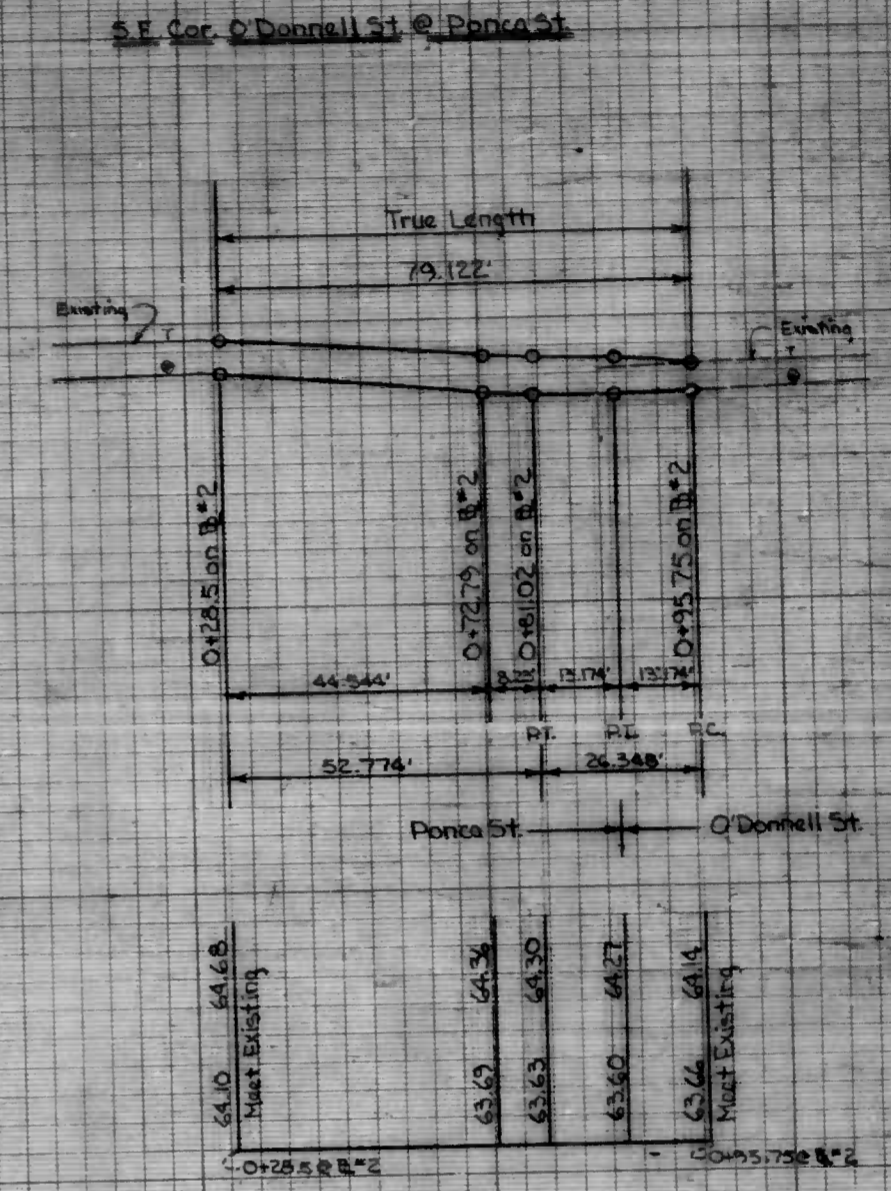
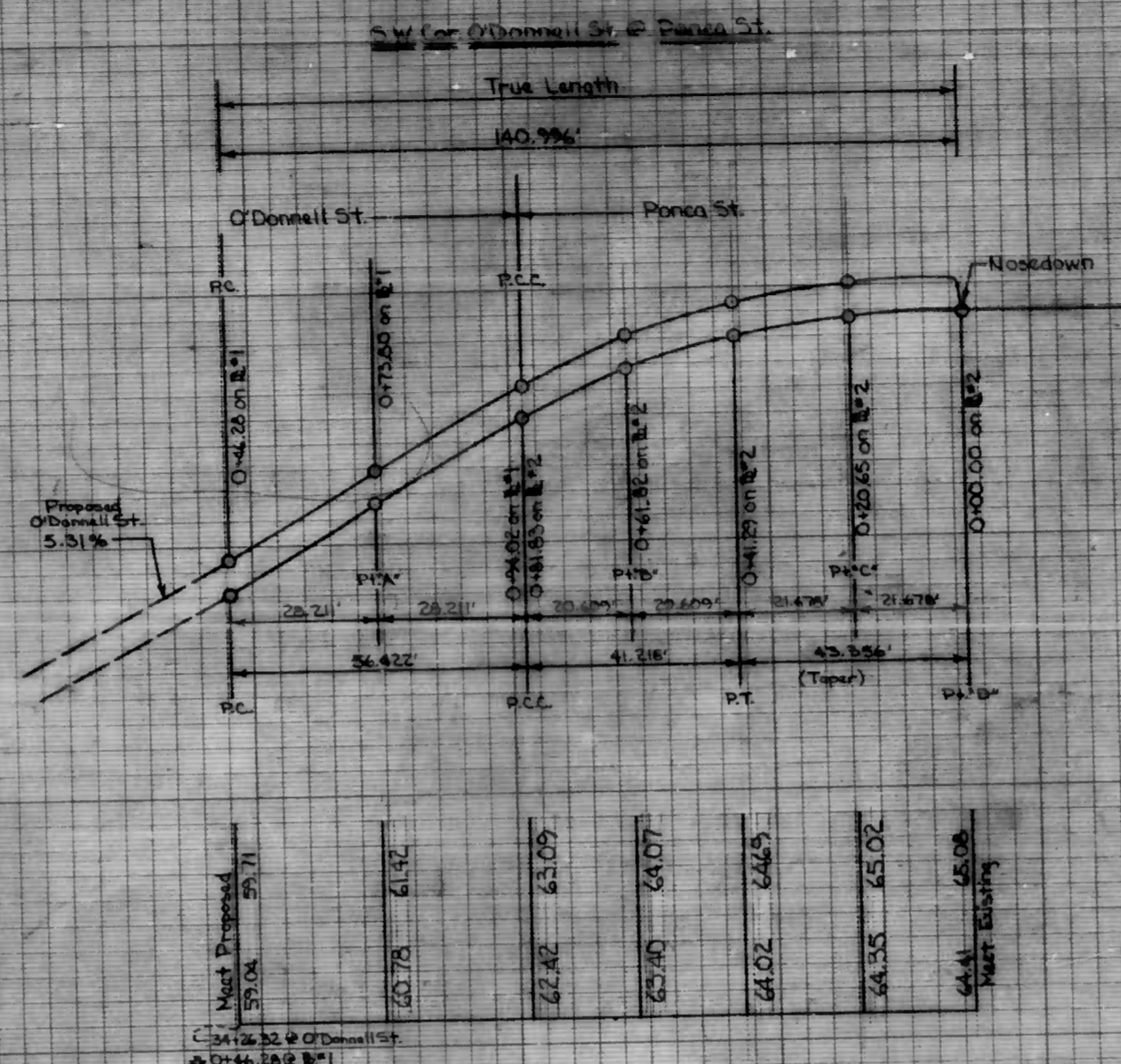
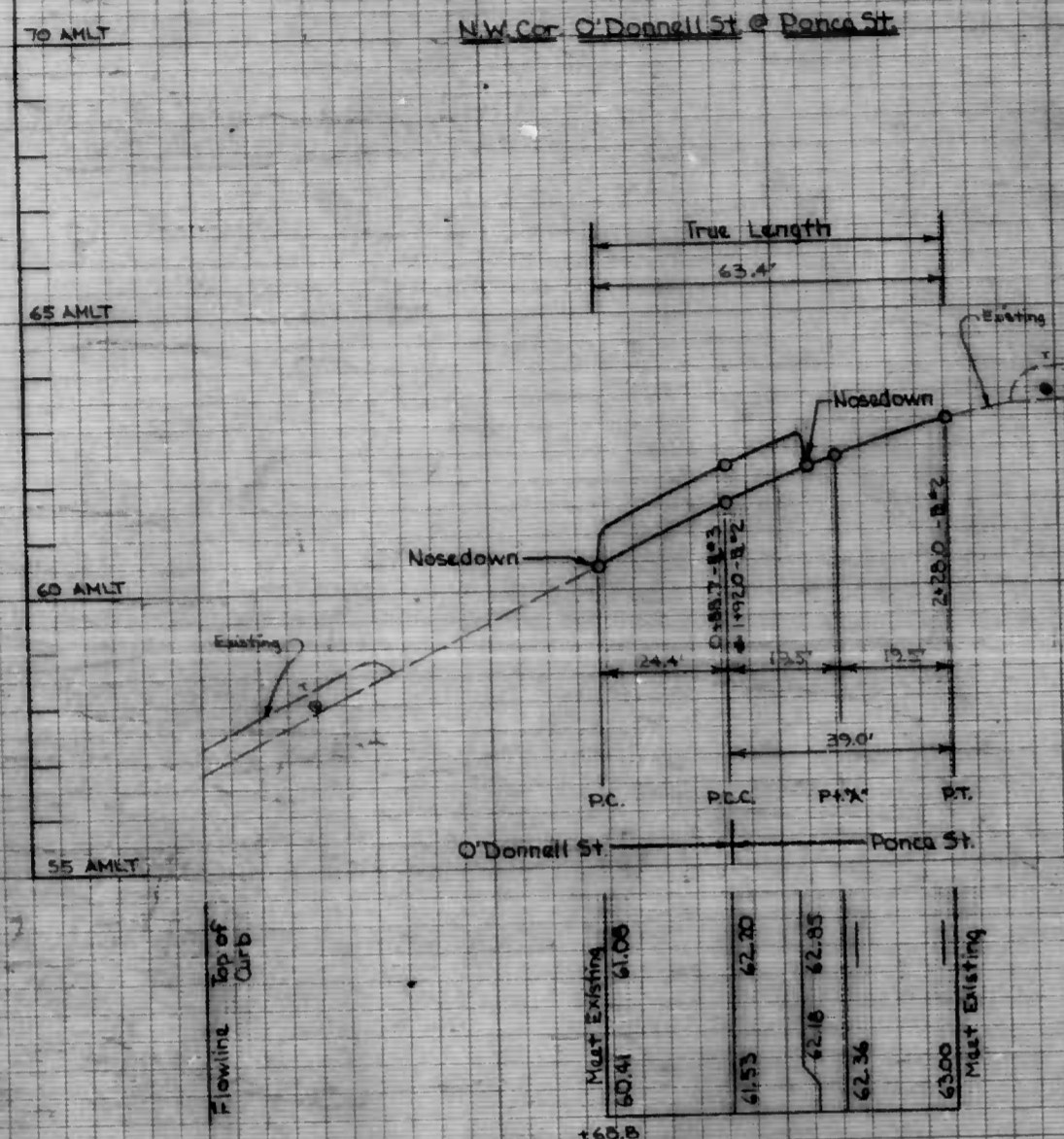
CHANNELIZATION
INTERSECTION OF
O'DONNELL ST. AND PONCA ST.
UTILITY PLAN

SCALE 1" = 20.0' DATE
HIGHWAY ENGINEERING DIVISION SHEET 13 OF 15

FILE REF.

FILE REF.

REVISIONS		
NO.	DESCRIPTION	DATE BY



- Bench Marks**
- B.M. # 7491 - "D" Cut in South end of Granite Doorsill Entrance to 2 Story Brick Brown Cork & Seal Co. W.S. @ Newark St. 390' S. of O'Donnell St. Elev. --- 45.01
 - B.M. # 8613 - Brass Screw in concrete base of Street Light at the S.E. Cor. of Ponca St. & O'Donnell St. S.W. Cor. of Base. Elev. --- 63.68

Book No. X-111, X-720
 DESIGNED BY: P. H. Merrell
 EXAMINED BY: W. J. Conroy, P.E.

CITY OF BALTIMORE
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF HIGHWAYS
 CONTRACT NO. 2610

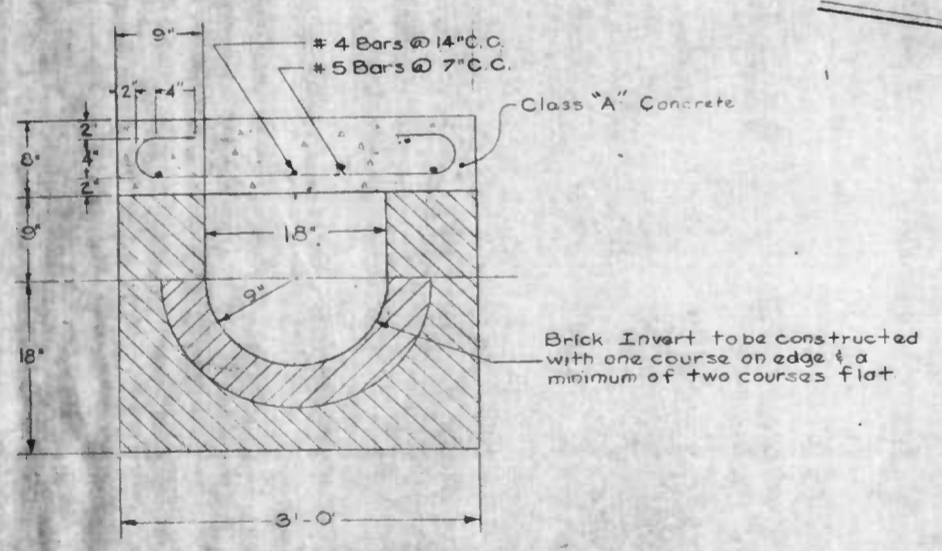
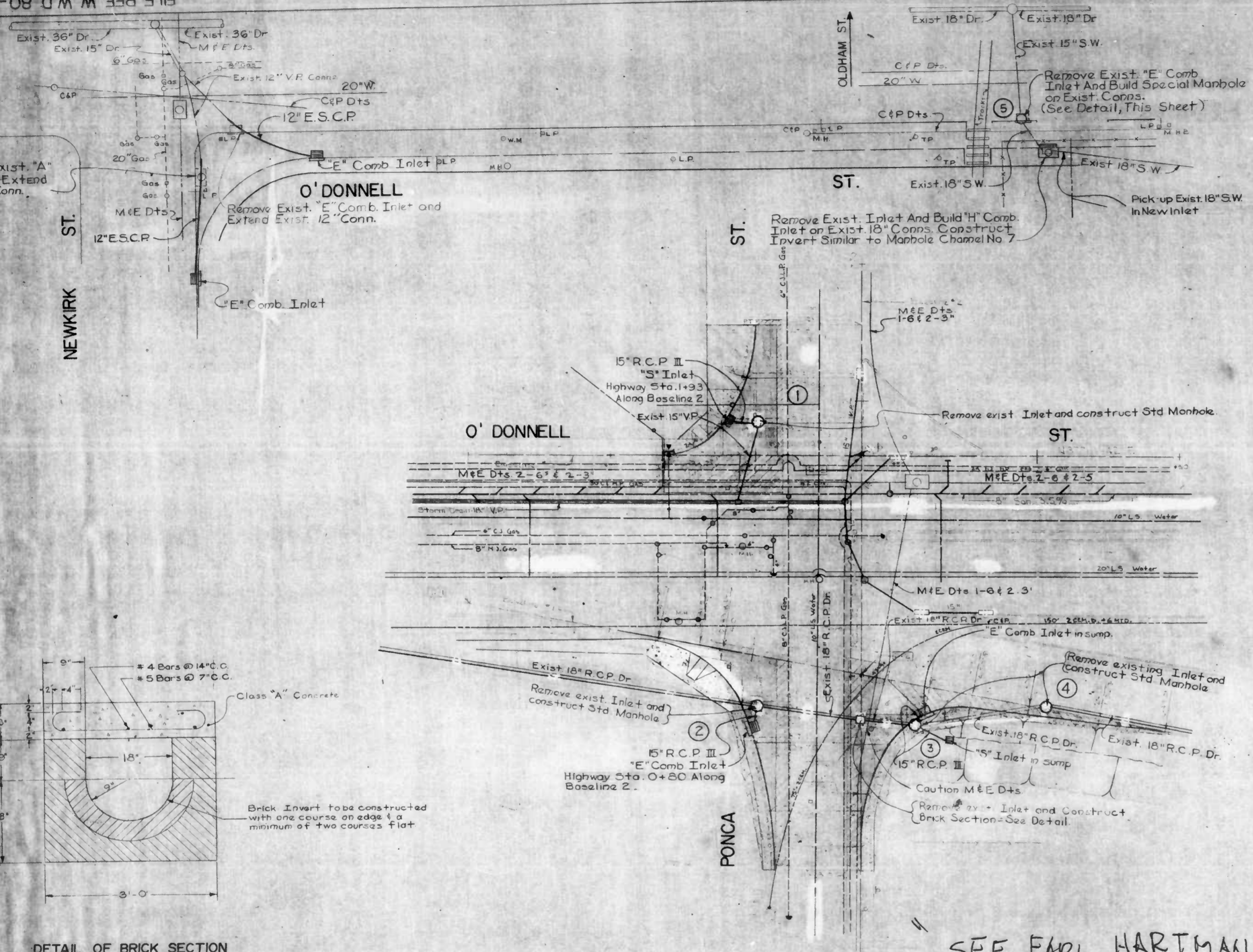
CHANNELIZATION
 INTERSECTION OF -
 O'DONNELL ST. AND PONCA ST.
 PROFILES

SCALE: Hor. 1" = 20.0', Vert. 1" = 2.0' DATE
 HIGHWAY ENGINEERING DIVISION SHEET 14 OF 15

FILE REF.

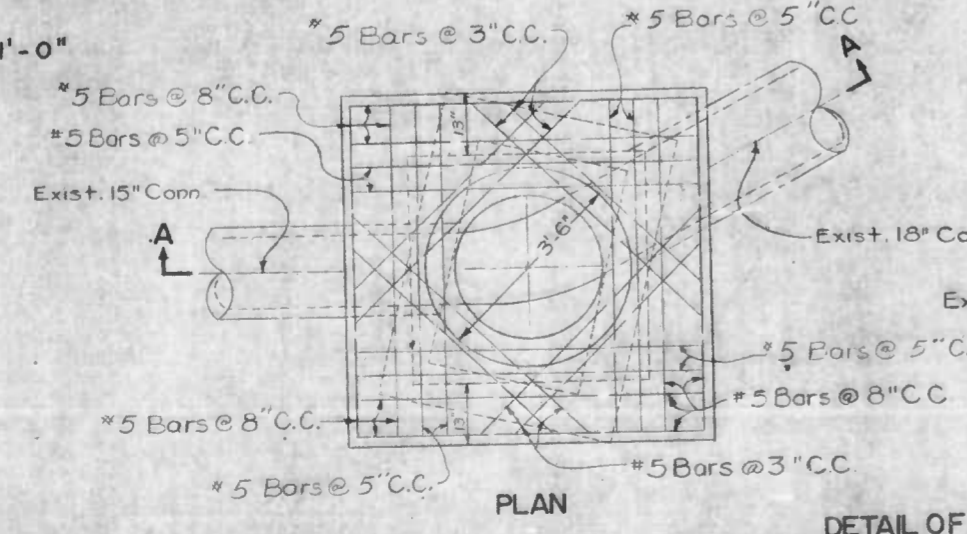
FILE REF. W. W. D. 80-42852

DATE	APPROVED
1/18/77	J. RUCKE
	WATER
	SEWER
	MECH. ELECT.

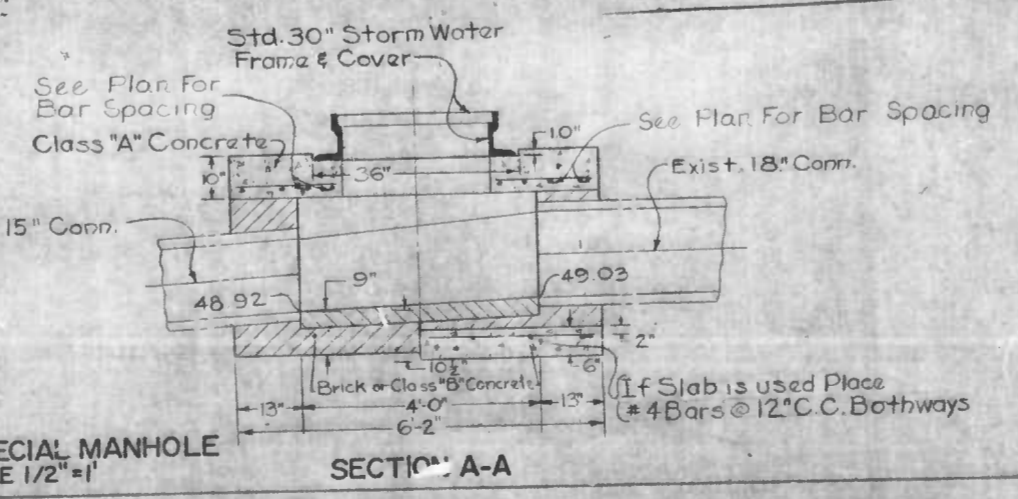


DETAIL OF BRICK SECTION

SCALE: 1" = 1'-0"



PLAN



SECTION A-A

SEE EARL HARTMAN FOR ORIGINAL

REVISIONS		
NO.	DESCRIPTION	DATE

NOTE
CONTRACTOR MAY USE EXTRA STRENGTH VITRIFIED PIPE IN LIEU OF CLASS III REINFORCED CONCRETE PIPE (BELL & SPIGOT) FOR INLET CONNECTIONS. NO EXTRA PAYMENT WILL BE MADE.

TYPE OF JOINT FOR PIPE		JOINTS
Reinforced Concrete Pipe (Round) Drain	Inlet Conn.	10" Ring Rubber Gasket Cement Mortar
Vitrified Pipe (Round) Drain	Inlet Conn.	10" Ring Rubber Gasket Cement Mortar

NOTES:
All channels in manholes must be constructed to conform as close as possible to the standard channel called for on the profiles.
Gravel Cradle is required under all pipe except inlet connections. All backfill shall be mechanically tamped. For standard details see Baltimore City Dept. of Standards.

Obstructions shown on these drawings are 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.

BEFORE DOING ANY DIGGING NOTIFY THE FOLLOWING:
Bureau of Operation Highway Div., Conduit, Section 396-0337
(Miss Utility) 559-0100

DESIGNED BY [Signature]
DRAWN BY [Signature]
CHECKED BY [Signature]



Frank A. Taylor, P.E.
DIVISION OF WASTE WATER

SURVEY BOOK M-1088
RECORD PLAT 61M DRAINAGE DISTRICT E-10A
RELEASED BY R.O.F. W. DIVISION

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

CONTRACT NO.
O'DONNELL STREET AND PONCA STREET
INTERSECTION WIDENINGS
STORM WATER PLAN AND DETAIL

SCALE: PLAN: 1" = 20' OR AS SHOWN DATE: 1/19/77
HIGHWAY ENGINEERING DIVISION SHEET 16 OF 15

FILE REF. W. W. D. 80-42852

FILE REF.

REVISIONS		
NO.	DESCRIPTION	DATE

Reverse Curve Data	
Δ	01°-14'-52"
R	05°-21'-26"
T	37.43'
Ch	75.15'
L	75.20'
d	2.8915891101745

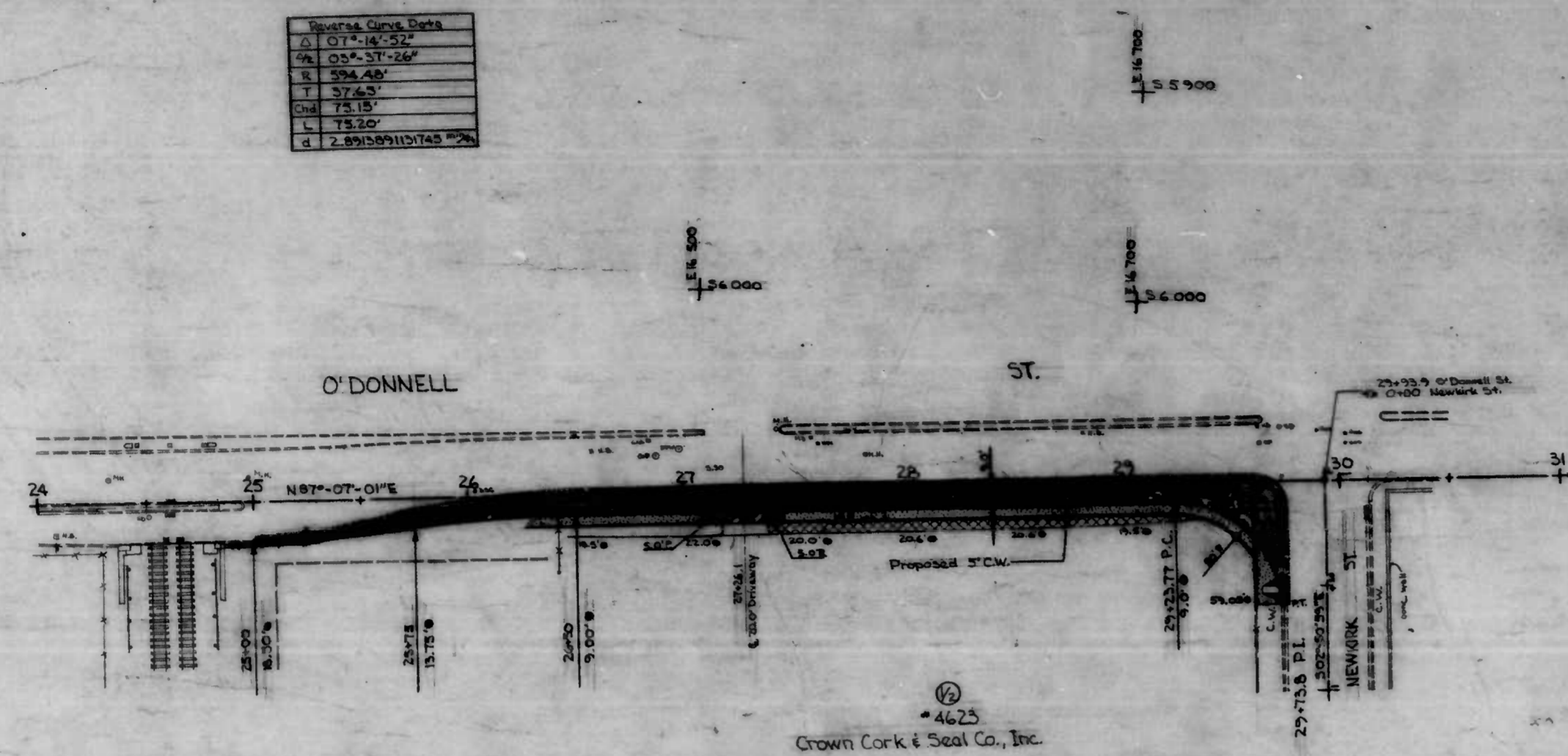
Curve Data	
Δ	30°-02'-00"
R	45°-01'-00"
T	50.00'
Ch	50.00'
L	75.57'
d	1.34.3774676

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NOTE: SOIL EROSION & SEDIMENT CONTROL
WHEREVER POSSIBLE, LIMIT GRADING TO ONLY THOSE AREAS INVOLVED IN CURRENT CONSTRUCTION ACTIVITIES AND LIMIT THE LENGTH OF TIME OF EXPOSURE OF UNPROTECTED GRADED AREAS. ACCOMPLISH TEMPORARY OR PERMANENT STABILIZATION OF THESE AREAS AT THE EARLIEST OPPORTUNITY.

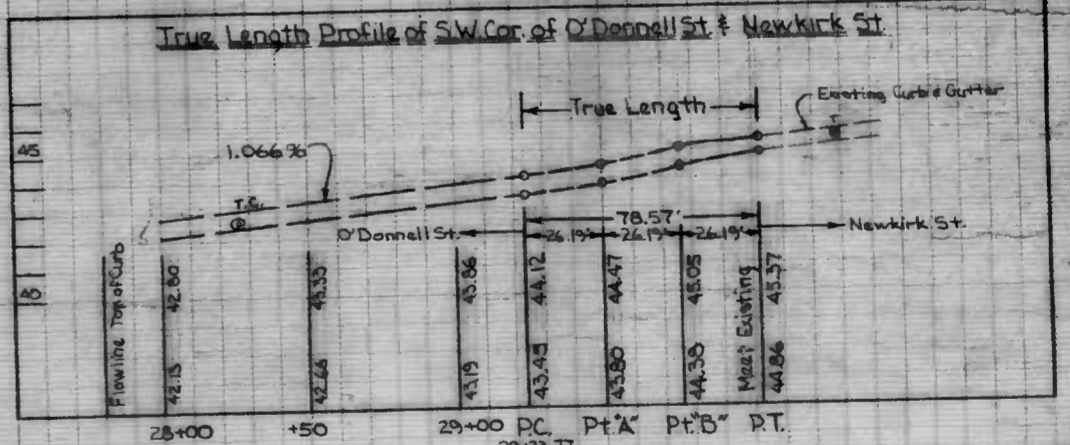
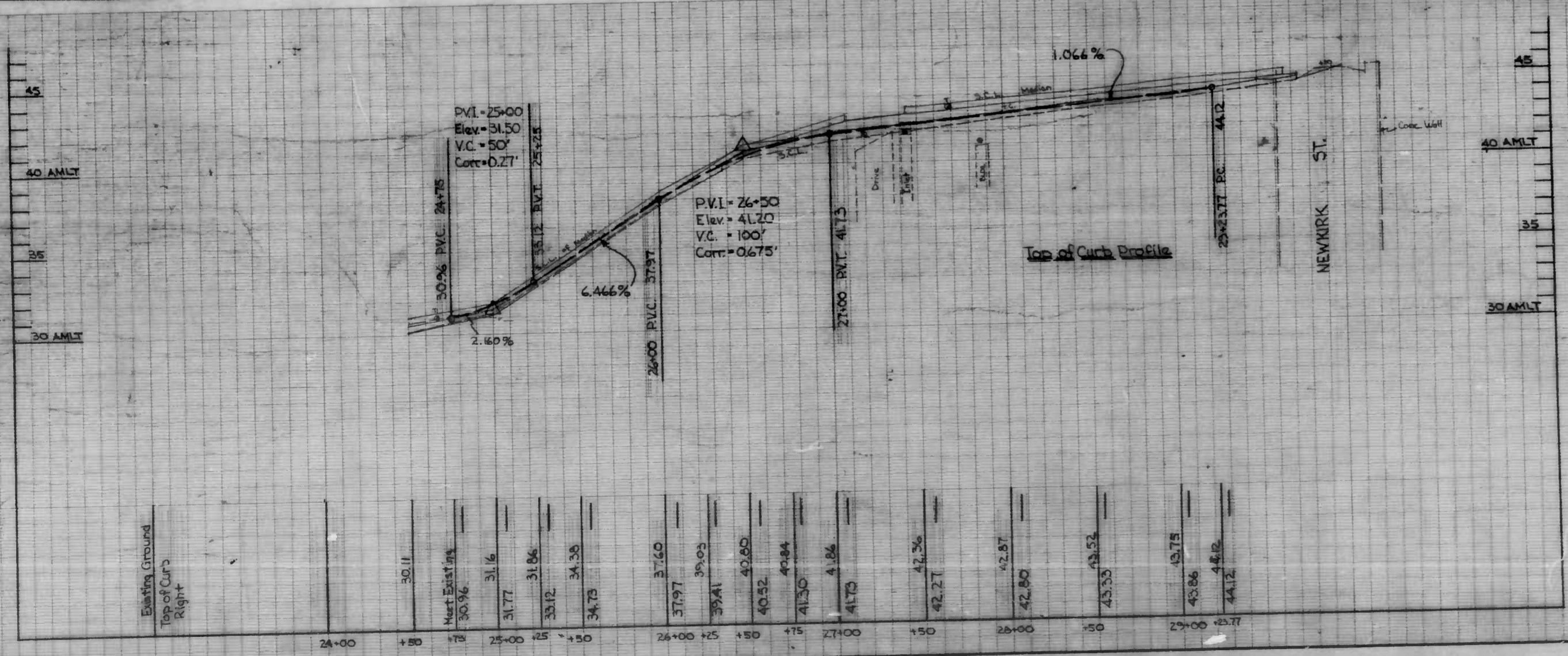
▲ - Indicates Pedestrian Ramp at Intersection

■ - Indicates Pedestrian Ramp at Driveway



Book No. X-720, X-717
DRAWN BY: P.H. Morkall
EXAMINED BY: W.F. GUMMINKER, JR.

- Pinch Marks**
- 1.-B.M. # 7471 - Brass screw in center of concrete footing East Side of B. & O. R.R. Bridge over O'Donnell St. at East End of 1st Line of Steel Posts South of Bridge Abutment - Elev. 34.90
 - 2.-B.M. # 7491 - 0' Cut in South End of granite doorsill entrance to 2 S.E. Crown Cork & Seal Co. West Side of Newkirk St. 500' ± South of O'Donnell St. - Elev. 45.01

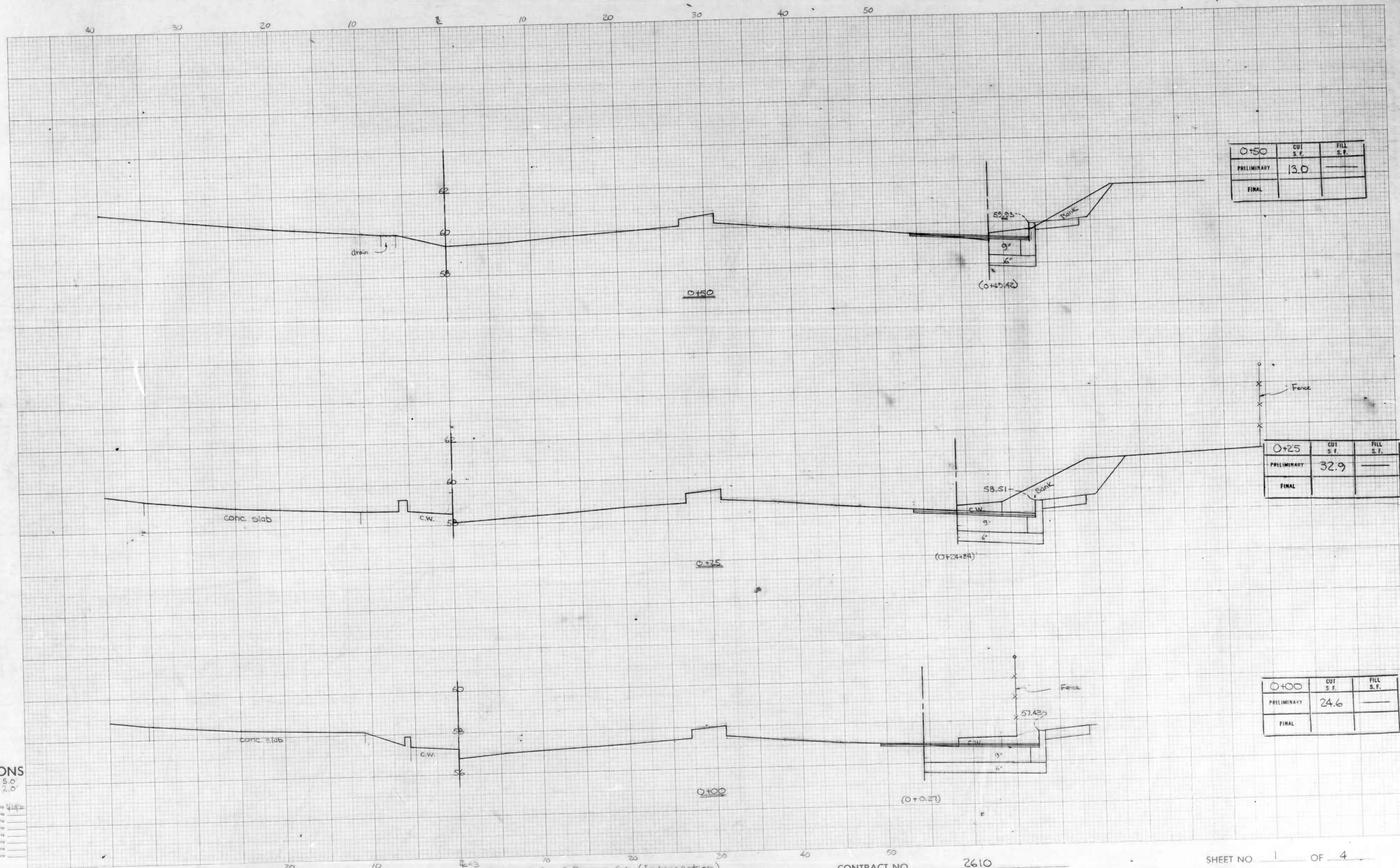


CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
CONTRACT NO. 2610

O'DONNELL ST. (SOUTH SIDE)
EAST END OF VIADUCT ~ NEWKIRK ST.
PLAN & PROFILE

SCALE: HOR: 1"=40.0', VER: 1"=4.0' DATE
HIGHWAY ENGINEERING DIVISION SHEET 3 OF 15

FILE REF.



0+50	CUT S.F.	FILL S.F.
PRELIMINARY	13.0	—
FINAL		

0+25	CUT S.F.	FILL S.F.
PRELIMINARY	32.9	—
FINAL		

0+00	CUT S.F.	FILL S.F.
PRELIMINARY	24.6	—
FINAL		

CROSS SECTIONS
Scale 1 inch = HOR: 50' VER: 2.0'

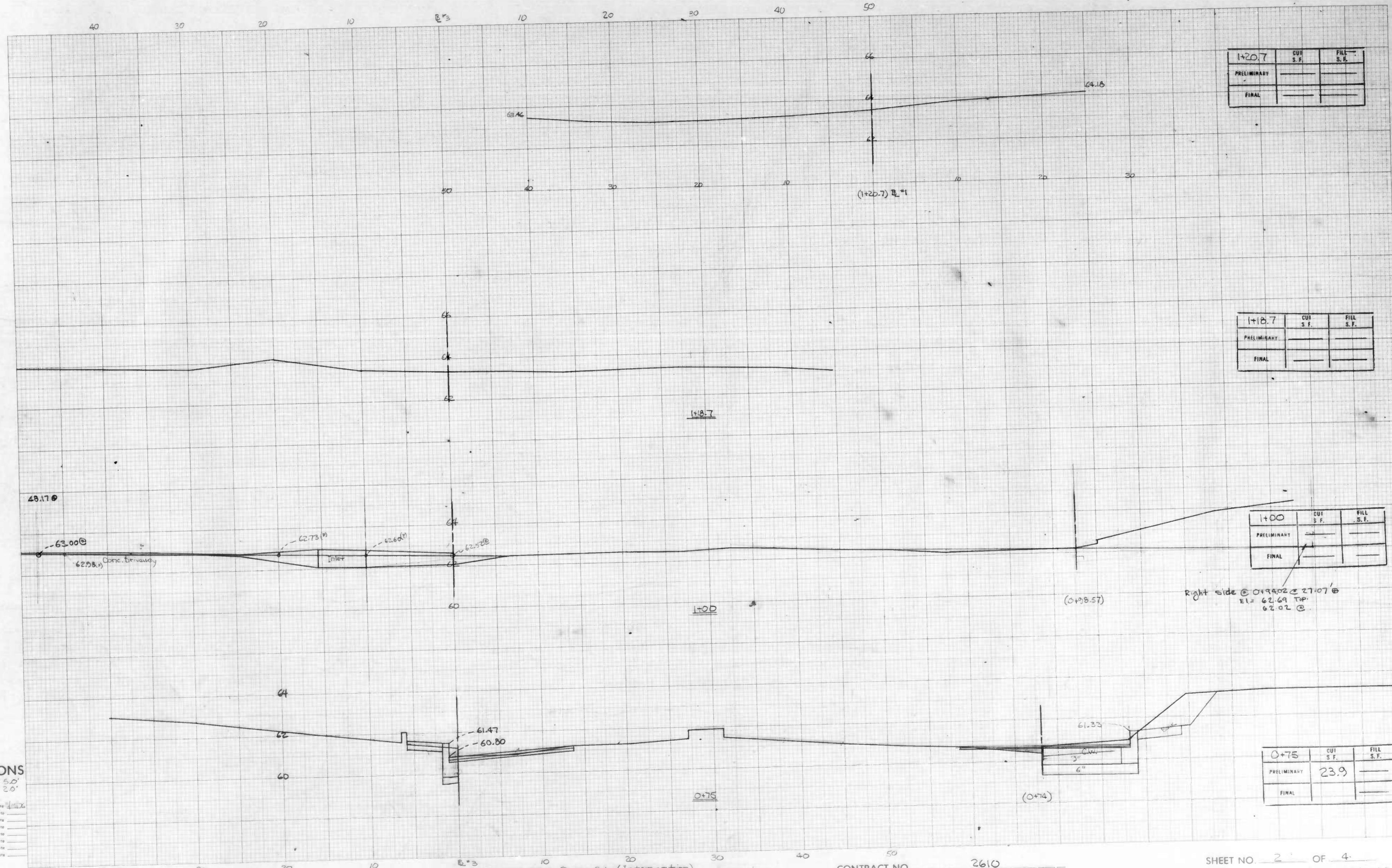
Original Plotted by: _____ Date: _____
 Original Checked by: _____ Date: _____
 Transcribed by: _____ Date: _____
 Final Plotted by: _____ Date: _____
 Final Checked by: _____ Date: _____
 Area by: _____ Date: _____
 Area Checked by: _____ Date: _____

BOOK NO. X-717, X-720

PROJECT O'Donnell St. @ Ponce St. (Intersection)
 DESCRIPTION O'Donnell St.

CONTRACT NO. 2610

SHEET NO. 1 OF 4
 STATION 0+00 TO STATION 0+50



1+20.7	CUT S.F.	FILL S.F.
PRELIMINARY		
FINAL		

1+18.7	CUT S.F.	FILL S.F.
PRELIMINARY		
FINAL		

1+00	CUT S.F.	FILL S.F.
PRELIMINARY		
FINAL		

0+75	CUT S.F.	FILL S.F.
PRELIMINARY	23.9	
FINAL		

CROSS SECTIONS
Scale 1 inch = Hor. 50' Ver. 2.0'

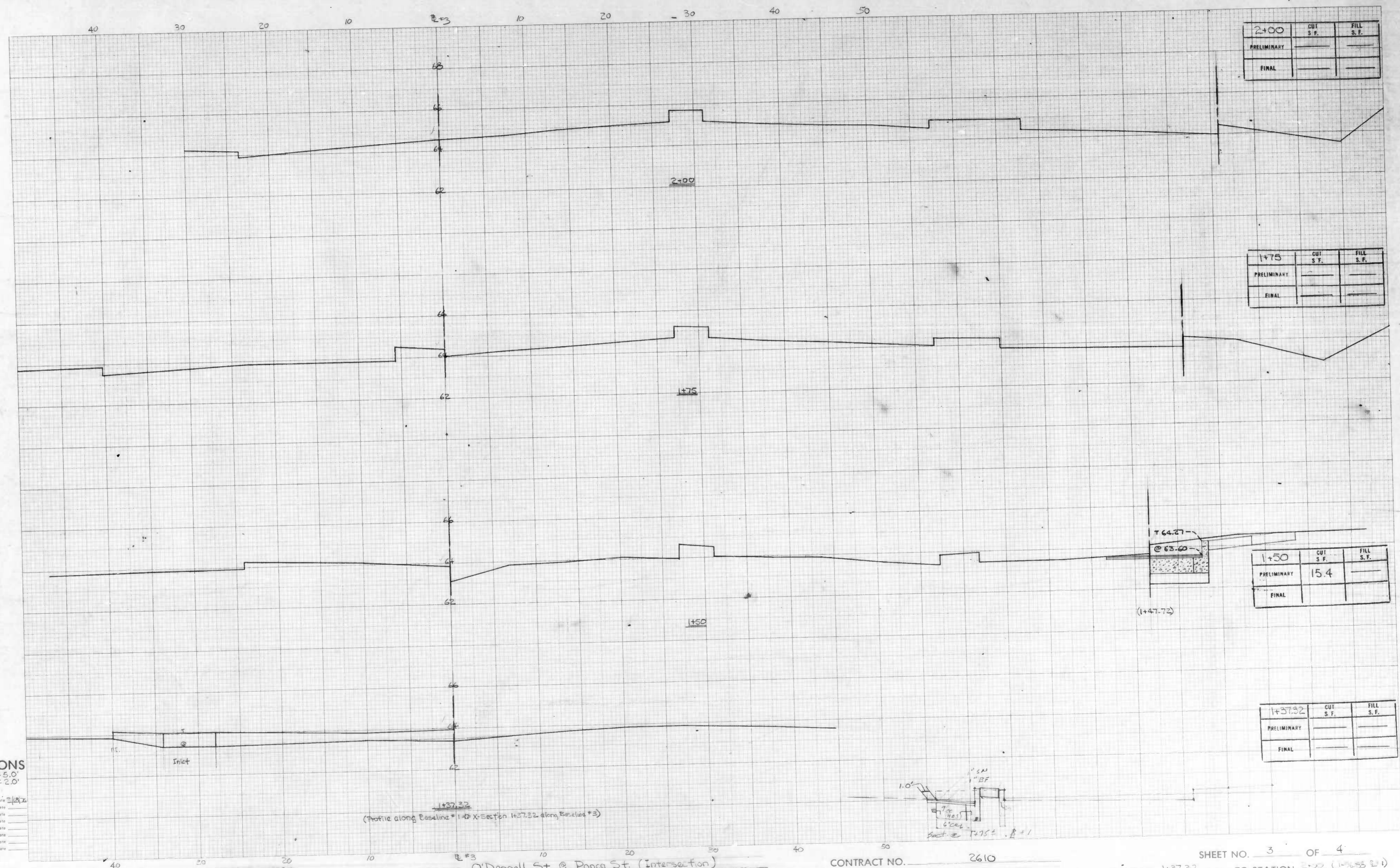
Original Planned by P. J. [unclear] Date [unclear]
 Original Checked by [unclear] Date [unclear]
 Template by [unclear] Date [unclear]
 Area by [unclear] Date [unclear]
 Finaly Planned by [unclear] Date [unclear]
 Finaly Checked by [unclear] Date [unclear]
 Area Checked by [unclear] Date [unclear]

BOOK NO. X-717, X-720

PROJECT O'Donnell St. @ Ponca St. (Intersection)
 DESCRIPTION O'Donnell St.

CONTRACT NO. 2610

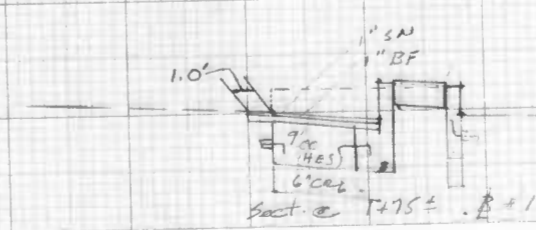
SHEET NO. 2 OF 4
 STATION 0+75 TO STATION (1+18.7 @ 27.07)



CROSS SECTIONS
Scale 1 inch = HOR: 50' VER: 20'

Original Plotted by _____ Date _____
Original Checked by _____ Date _____
Ased by _____ Date _____
Final Plotted by _____ Date _____
Final Checked by _____ Date _____
Ased by _____ Date _____
Asid Checked by _____ Date _____

1+37.32
(Profile along Baseline = 1+37 X-section 1+37.32 along Baseline #3)

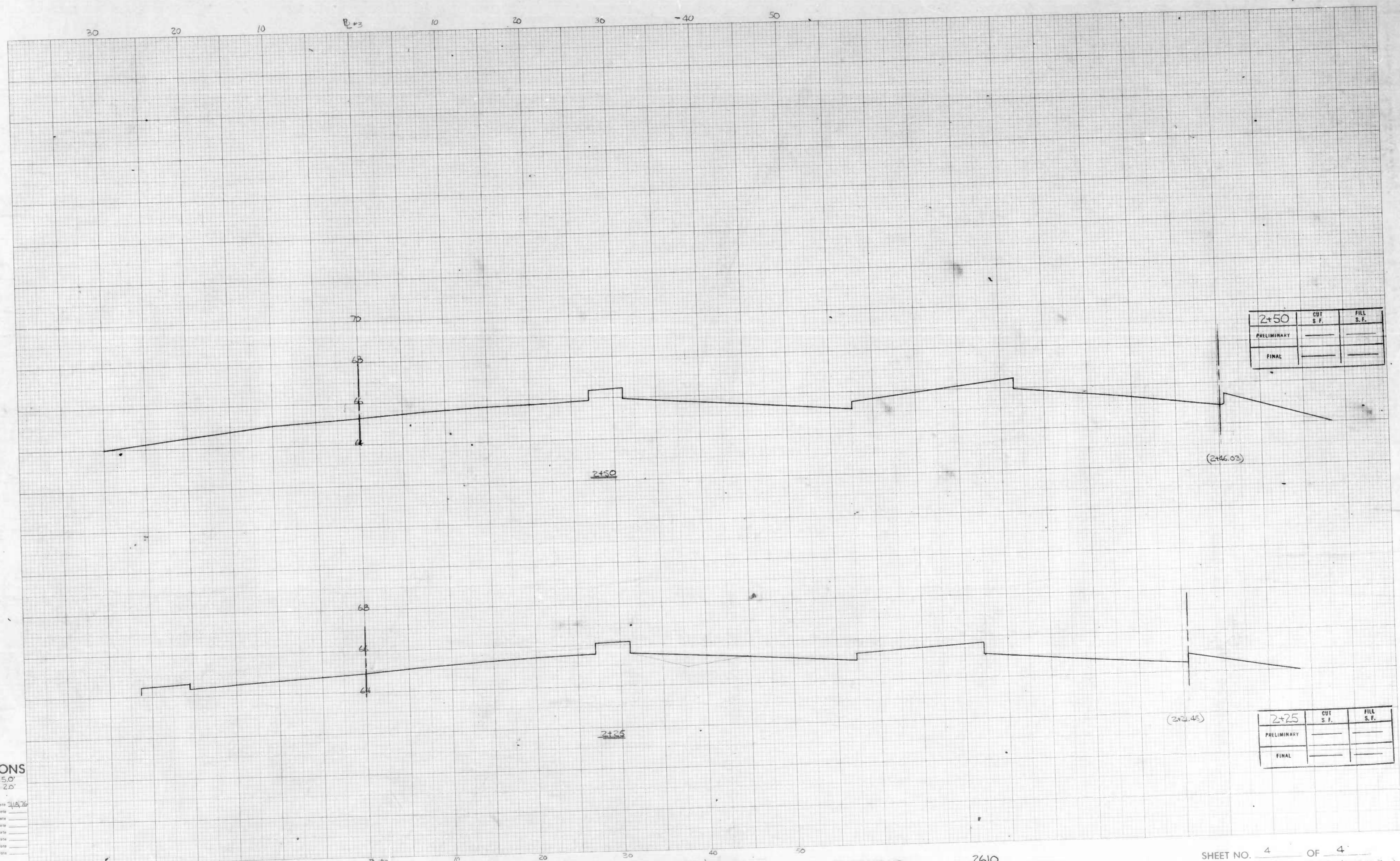


BOOK NO. X-717 X-720

PROJECT O'Donnell St. @ Ponca St. (Intersection)
DESCRIPTION O'Donnell St.

CONTRACT NO. 2610

SHEET NO. 3 OF 4
STATION 1+37.32 TO STATION 1+38.21



CROSS SECTIONS
Scale 1 inch = HOR. 50'
VER. 20'

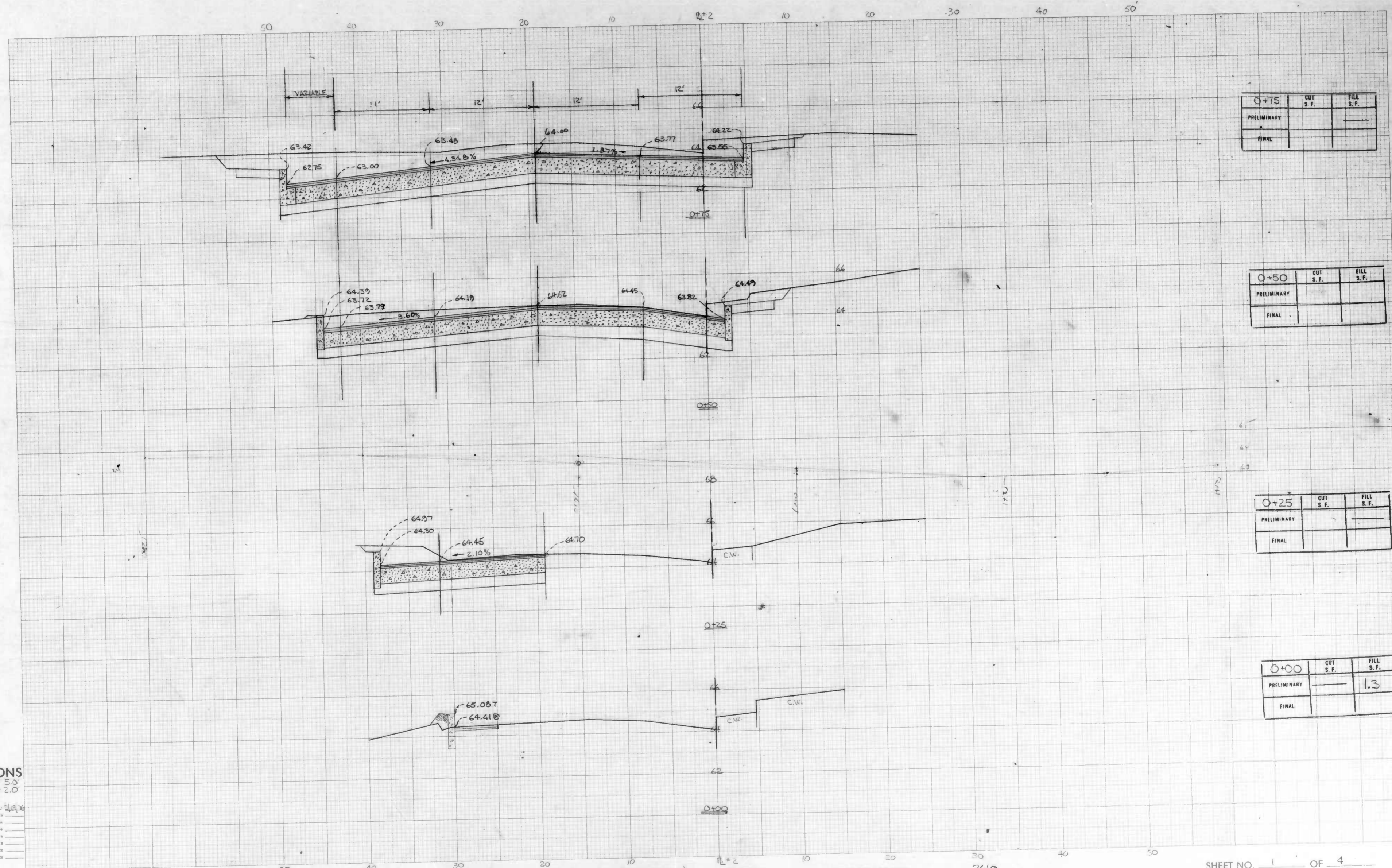
Original Plotted by P. H. ... Date 1/15/76
Original Checked by _____ Date _____
Template by _____ Date _____
Final Plotted by _____ Date _____
Final Checked by _____ Date _____
Area by _____ Date _____
Area Checked by _____ Date _____

BOOK NO. X-717; X-720

PROJECT O'Donnell St. @ Ponca St. (Intersection)
DESCRIPTION O'Donnell St.

CONTRACT NO. 2610

SHEET NO. 4 OF 4
STATION 2+25 TO STATION 2+50 (2+46.03)



CROSS SECTIONS
Scale 1 inch = HOR: 50'
VER: 2.0'

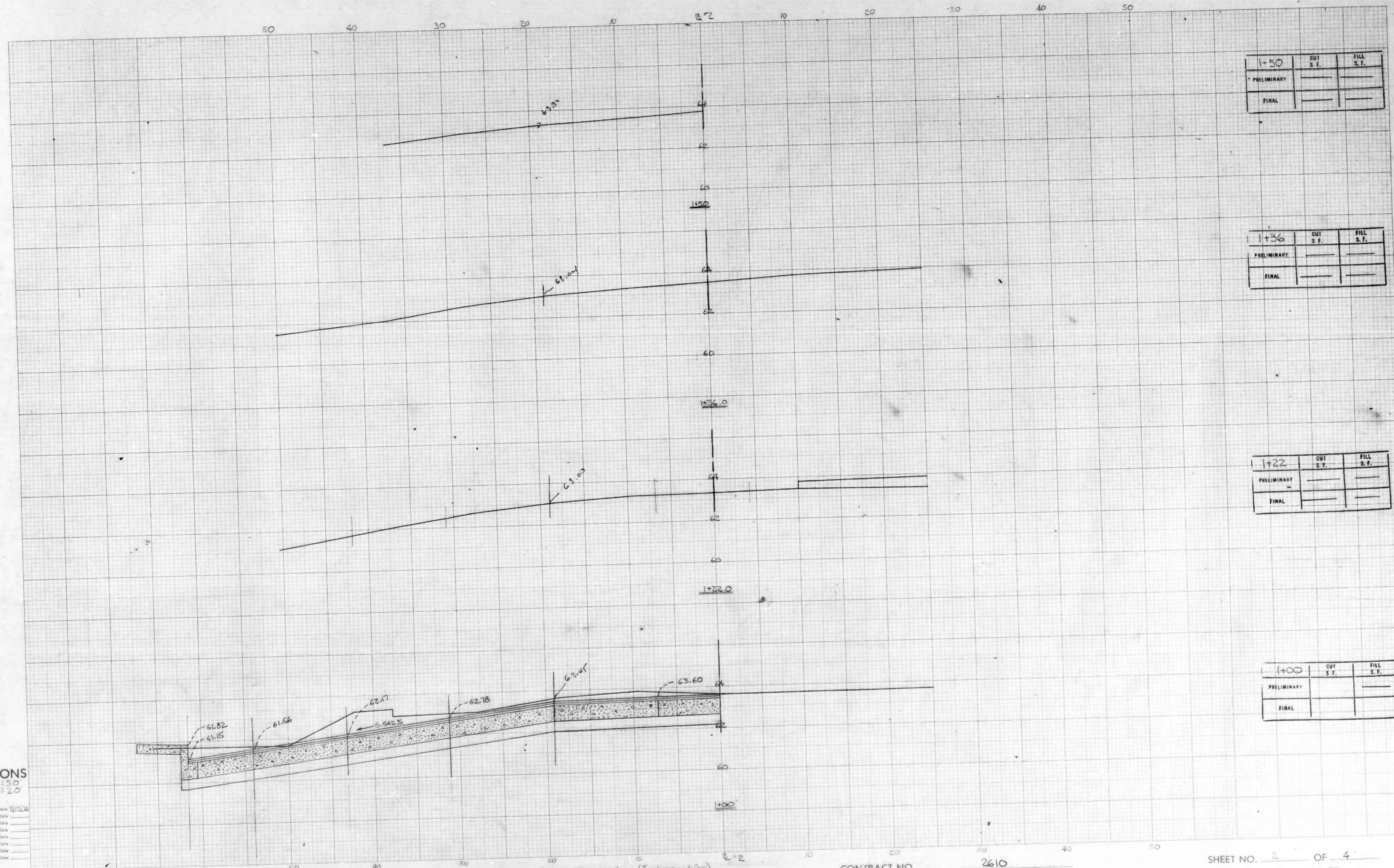
Original Plotted by: P. J. [unclear] Date: 4/1/76
Original Checked by: [unclear] Date: [unclear]
Template by: [unclear] Date: [unclear]
Area by: [unclear] Date: [unclear]
Finals Plotted by: [unclear] Date: [unclear]
Finals Checked by: [unclear] Date: [unclear]
Area by: [unclear] Date: [unclear]
Area Checked by: [unclear] Date: [unclear]

BOOK NO. X-720

PROJECT O'Donnell St. @ Ponca St. (Intersection)
DESCRIPTION Ponca St.

CONTRACT NO. 2610

SHEET NO. 1 OF 4
STATION 0+00 TO STATION 0+75



1+50	CUT S.F.	FILL S.F.
PRELIMINARY		
FINAL		

1+36	CUT S.F.	FILL S.F.
PRELIMINARY		
FINAL		

1+22	CUT S.F.	FILL S.F.
PRELIMINARY		
FINAL		

1+00	CUT S.F.	FILL S.F.
PRELIMINARY		
FINAL		

CROSS SECTIONS
Scale 1 inch = HOR: 50
VER: 20

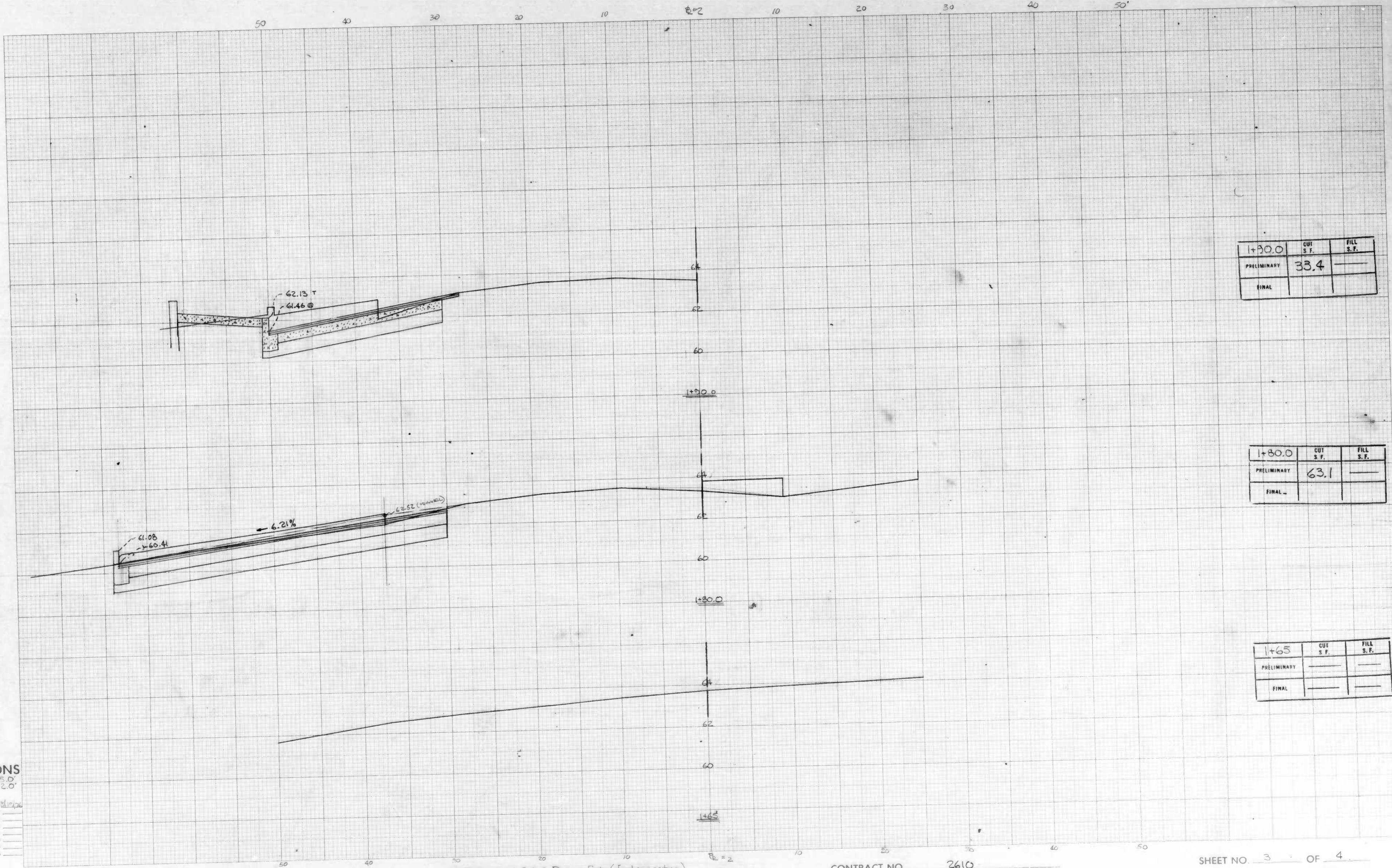
Original Planned by: _____ Date: _____
 Original Checked by: _____ Date: _____
 Template by: _____ Date: _____
 Area by: _____ Date: _____
 Final Planned by: _____ Date: _____
 Final Checked by: _____ Date: _____
 Area by: _____ Date: _____
 Area Checked by: _____ Date: _____

BOOK NO. X-720

PROJECT O'Donnell St. @ Ponca St. (Intersection)
 DESCRIPTION Ponca St.

CONTRACT NO. 2610

SHEET NO. 2 OF 4
 STATION 1+00 TO STATION 1+30



STATION	CUT S.F.	FILL S.F.
+90.0	33.4	
PRELIMINARY		
FINAL		

STATION	CUT S.F.	FILL S.F.
+80.0	63.1	
PRELIMINARY		
FINAL		

STATION	CUT S.F.	FILL S.F.
+65		
PRELIMINARY		
FINAL		

CROSS SECTIONS
Scale 1 inch = HOR: 50'
VER: 2.0'

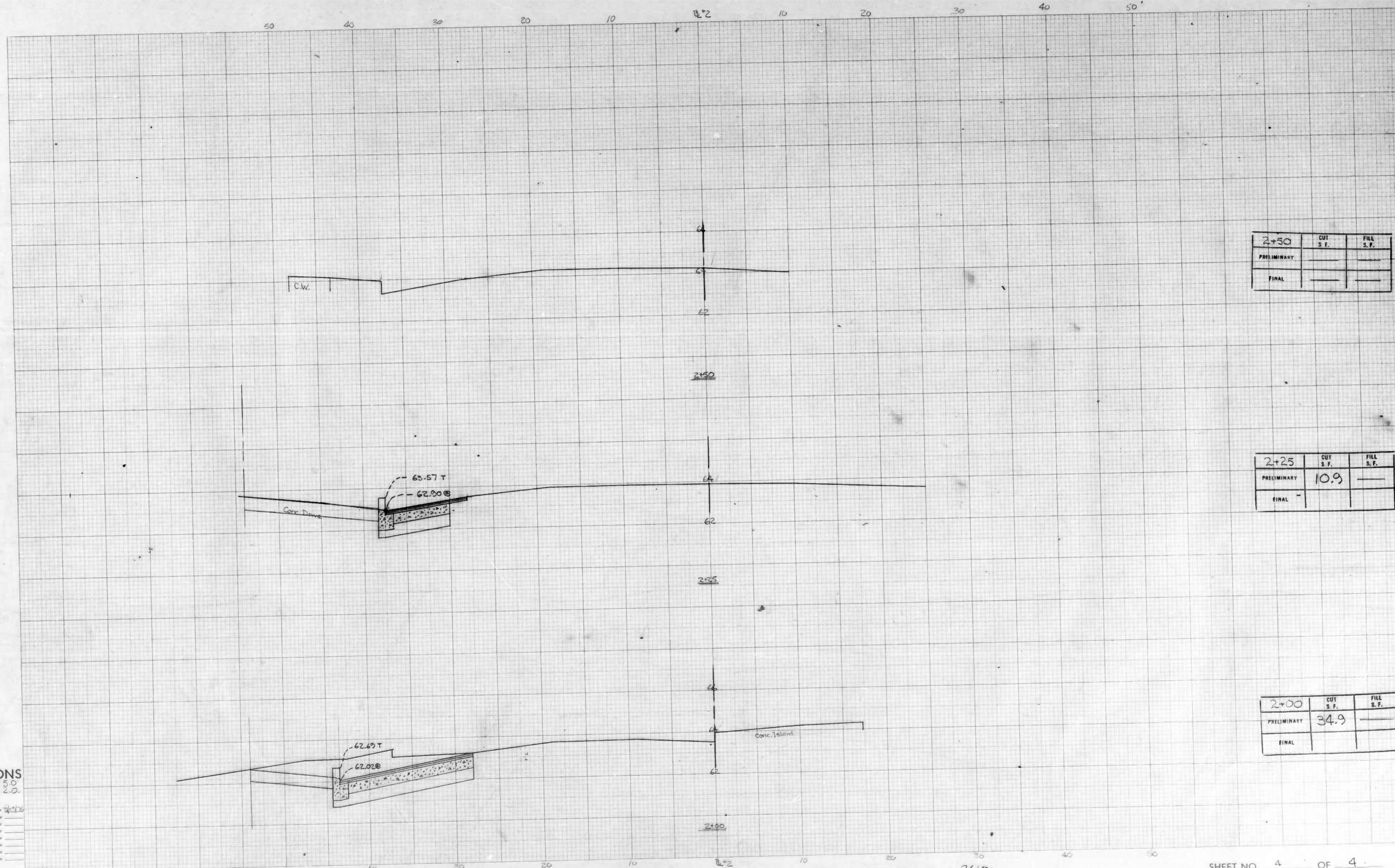
Original Performed by: _____ Date: _____
 Original Checked by: _____ Date: _____
 Template by: _____ Date: _____
 Area by: _____ Date: _____
 Final Planned by: _____ Date: _____
 Final Checked by: _____ Date: _____
 Area by: _____ Date: _____
 Area Checked by: _____ Date: _____

BOOK NO. X-720

PROJECT O'Donnell St. @ Ponca St. (Intersection)
 DESCRIPTION Ponca St.

CONTRACT NO. 2610

SHEET NO. 3 OF 4
 STATION 1+65.0 TO STATION 1+90



2+50	CUT S.F.	FILL S.F.
PRELIMINARY		
FINAL		

2+25	CUT S.F.	FILL S.F.
PRELIMINARY	10.9	
FINAL		

2+00	CUT S.F.	FILL S.F.
PRELIMINARY	34.9	
FINAL		

CROSS SECTIONS
Scale 1 inch = HOR. 50' VER. 2.0'

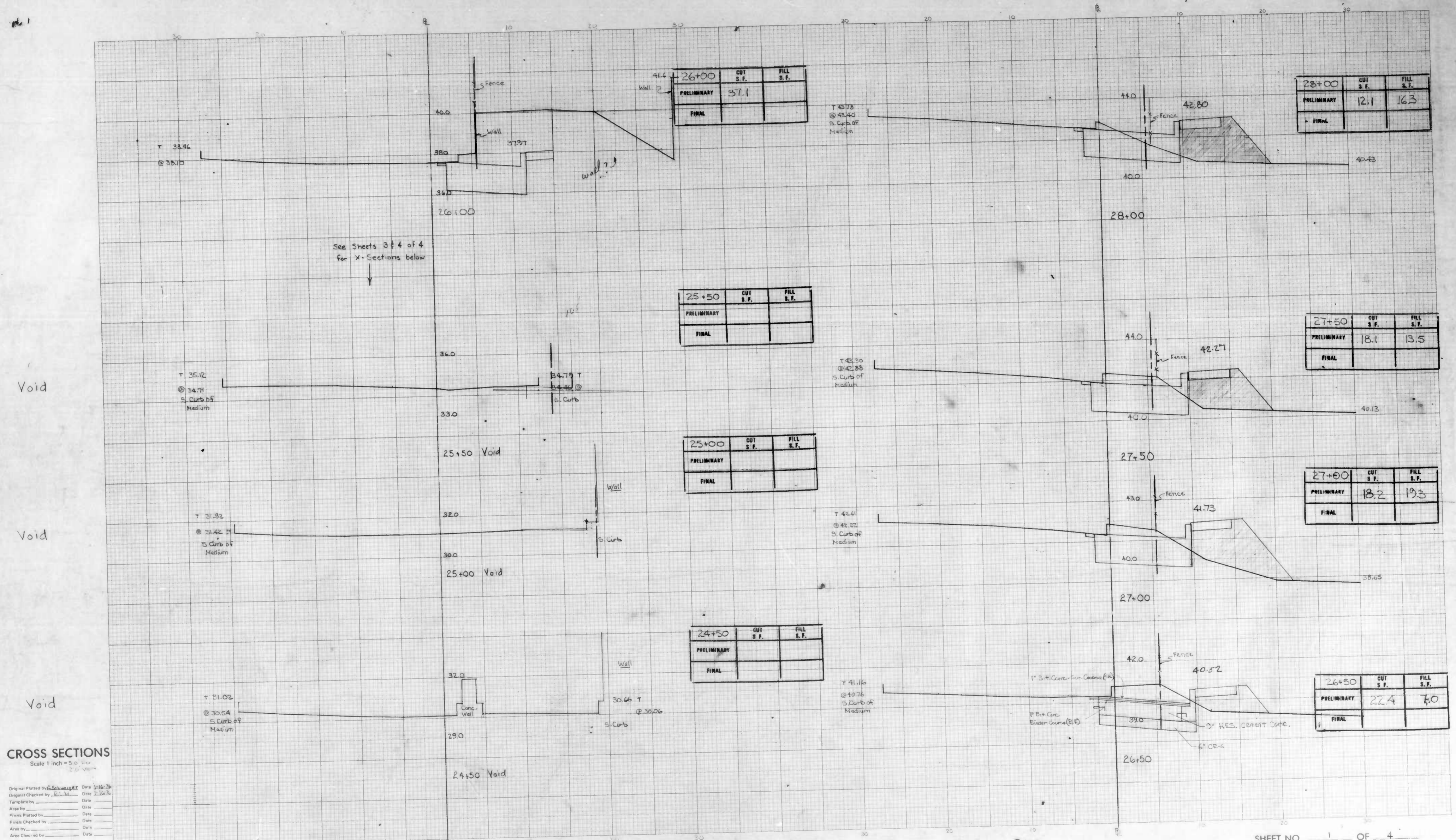
Original Plotted by P. J. [unclear] Date 3/1/00
 Original Checked by _____ Date _____
 Transcribed by _____ Date _____
 Area by _____ Date _____
 Final Plotted by _____ Date _____
 Final Checked by _____ Date _____
 Area by _____ Date _____
 Area Checked by _____ Date _____

BOOK NO. X-720

PROJECT O'Donnell St. @ Ponca St. (Intersection)
 DESCRIPTION Ponca St.

CONTRACT NO. 2610

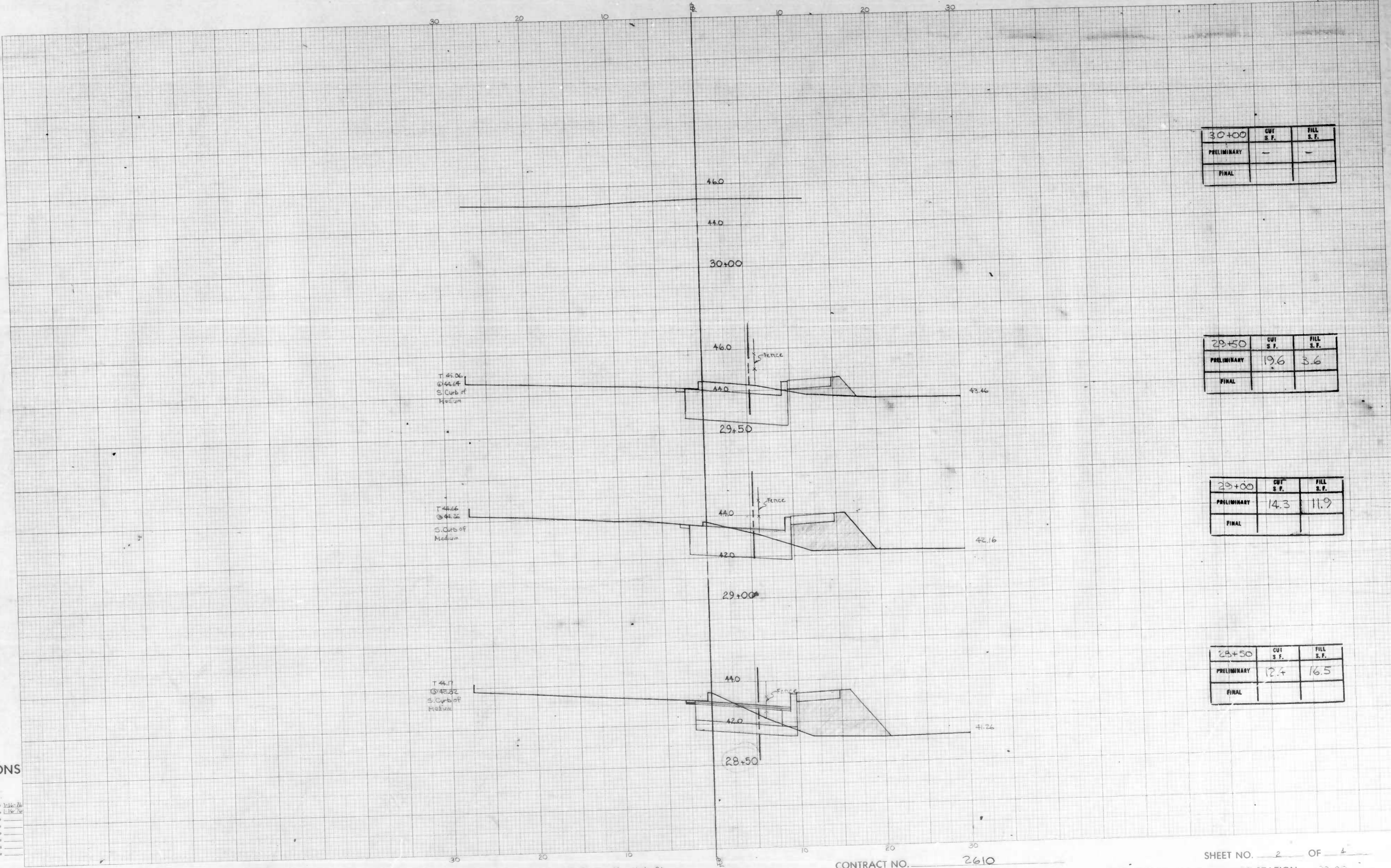
SHEET NO. 4 OF 4
 STATION 2+00 TO STATION _____



CROSS SECTIONS
Scale 1 inch = 5' or 10'

Original Plotted by: Date:
 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:

1



30+00	CUT S.F.	FILL S.F.
PRELIMINARY	-	-
FINAL		

29+50	CUT S.F.	FILL S.F.
PRELIMINARY	19.6	3.6
FINAL		

29+00	CUT S.F.	FILL S.F.
PRELIMINARY	14.3	11.9
FINAL		

28+50	CUT S.F.	FILL S.F.
PRELIMINARY	12.7	16.5
FINAL		

CROSS SECTIONS
Scale 1 inch = 50' Hor.
2" = 10' Vert.

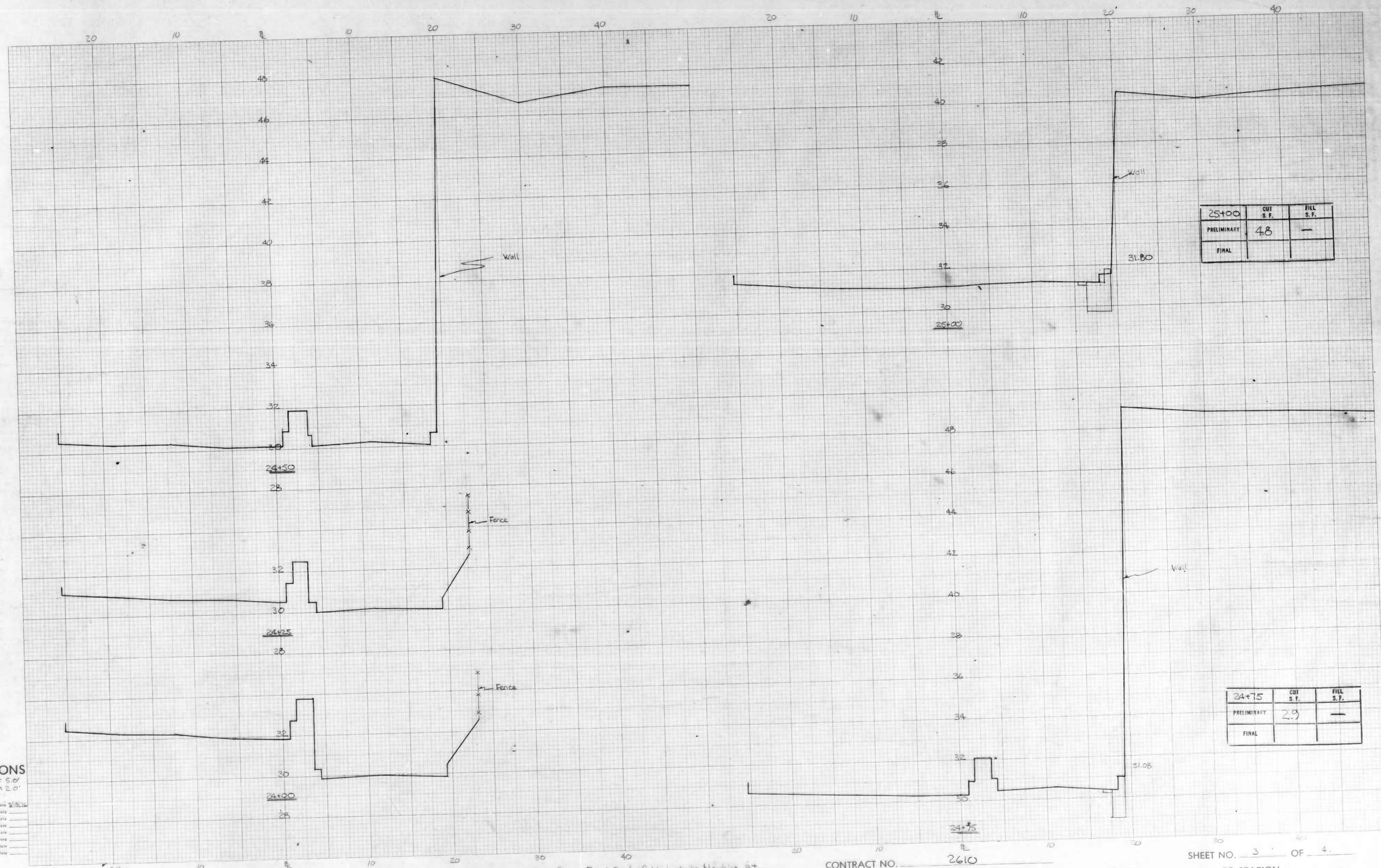
Original Plotted by: C. Schaefer Date: 11/12/76
 Original Checked by: J. L. Smith Date: 11/12/76
 Template by: _____ Date: _____
 Area by: _____ Date: _____
 Final Plotted by: _____ Date: _____
 Final Checked by: _____ Date: _____
 Area by: _____ Date: _____
 Area Checked by: _____ Date: _____

BOOK NO. _____

PROJECT O'Donnell St. S. Macon St ~ Newkirk St
 DESCRIPTION Cross Sections

CONTRACT NO. 2610

SHEET NO. 2 OF 4
 STATION 28+50 TO STATION 30+00



25+00	CUT S.F.	FILL S.F.
PRELIMINARY	48	-
FINAL		

24+75	CUT S.F.	FILL S.F.
PRELIMINARY	29	-
FINAL		

CROSS SECTIONS
Scale 1 inch = 110' : 5.0'
V.S. = 2.0'

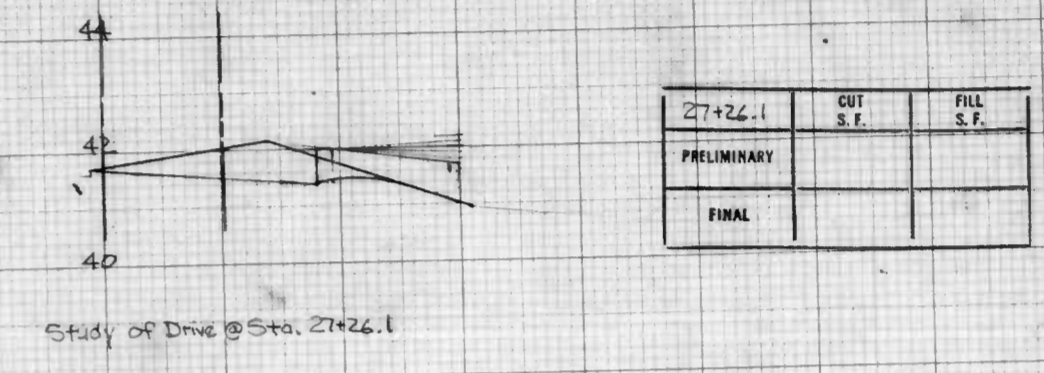
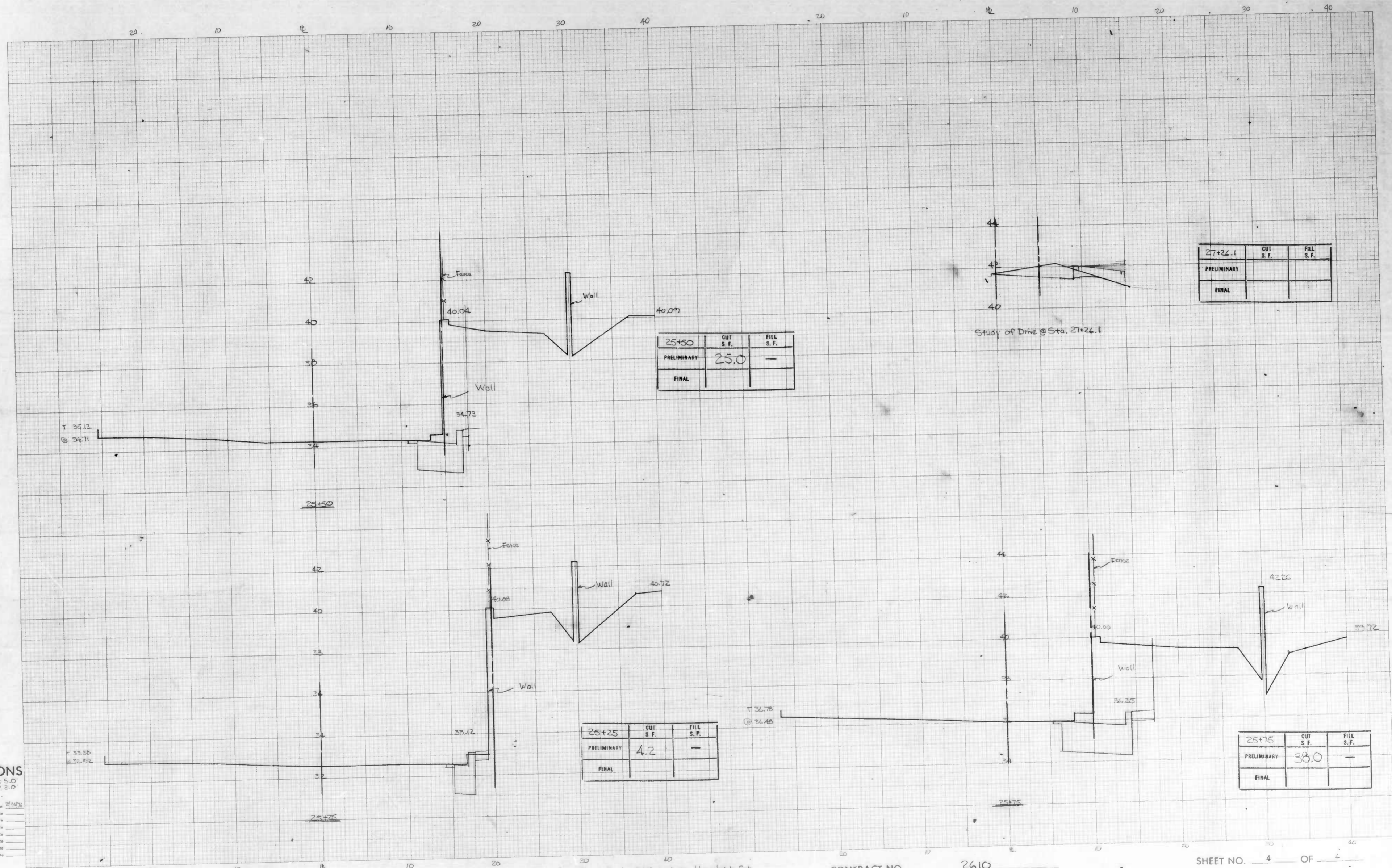
Original Plotted by: P. National Date: 3/18/71
 Original Checked by: _____ Date: _____
 Template by: _____ Date: _____
 Area by: _____ Date: _____
 Final Plotted by: _____ Date: _____
 Final Checked by: _____ Date: _____
 Area by: _____ Date: _____
 Area Checked by: _____ Date: _____

BOOK NO. X-717 X-720

PROJECT S.S. O'Donnell St. from East End of Viaduct to Newark St.
 DESCRIPTION _____

CONTRACT NO. 2610

SHEET NO. 3 OF 4
 STATION _____ TO STATION _____



CROSS SECTIONS
Scale 1 inch = HORIZ. 5.0' VER. 2.0'

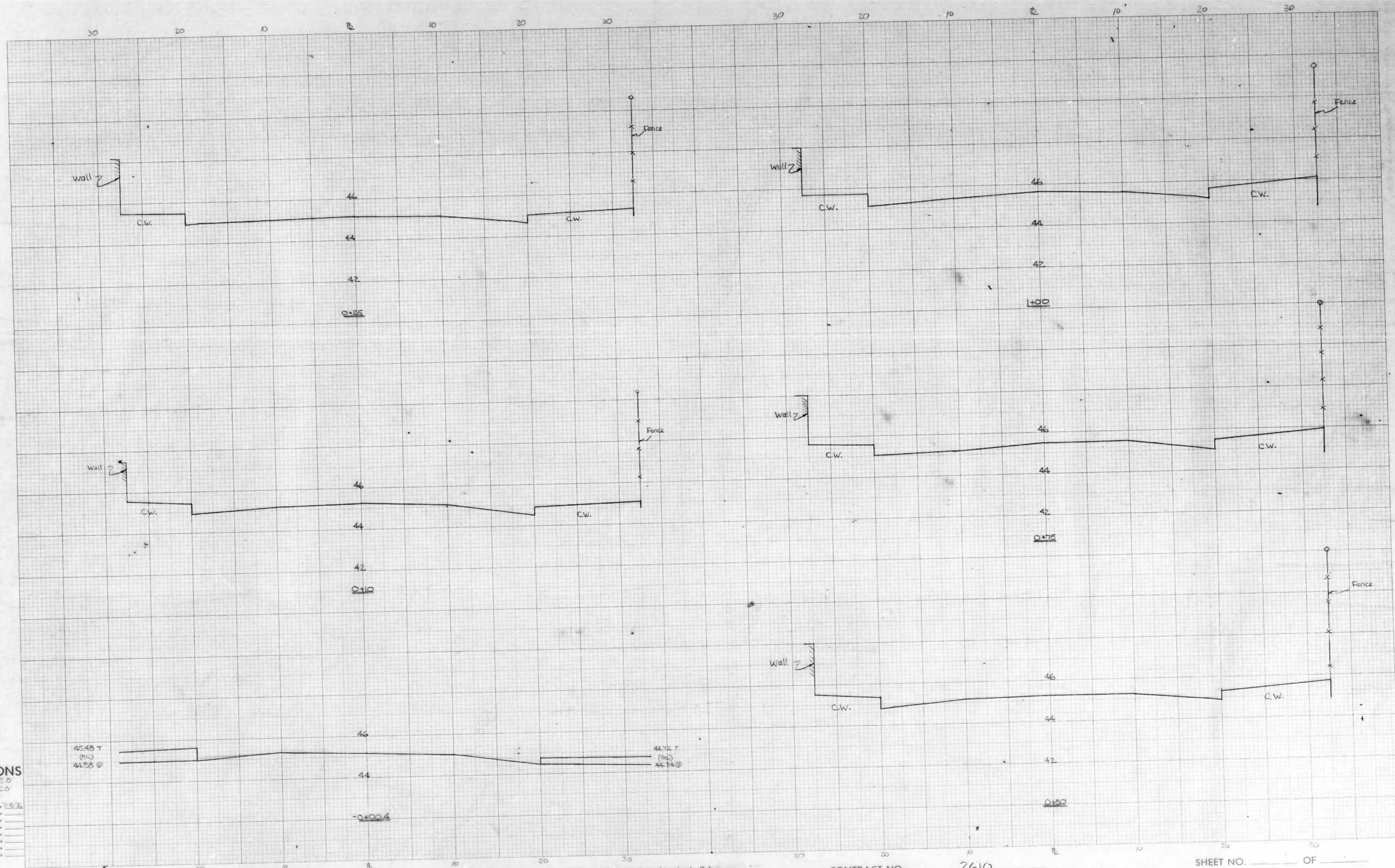
Original Plotted by: PLW Date: 3/24/76
 Original Checked by: _____ Date: _____
 Translated by: _____ Date: _____
 Final Plotted by: _____ Date: _____
 Final Checked by: _____ Date: _____
 Area by: _____ Date: _____
 Area Checked by: _____ Date: _____

BOOK NO. X-717, X-720

PROJECT S.S. O'Donnell St. from East End of Viaduct to New Kirk St.
 DESCRIPTION _____

CONTRACT NO. 2610

SHEET NO. 4 OF 4
 STATION _____ TO STATION _____



CROSS SECTIONS
Scale 1 inch = Hor. : 5.0
Ver. : 2.0

Original Plotted by P. H. [unclear] Date 5-56
Original Checked by [unclear] Date
Transcribed by [unclear] Date
Area by [unclear] Date
Plots Plotted by [unclear] Date
Final Checked by [unclear] Date
Area by [unclear] Date
Area Checked by [unclear] Date

45.46 T
44.95 @

44.72 T
44.34 @

BOOK NO. X-720

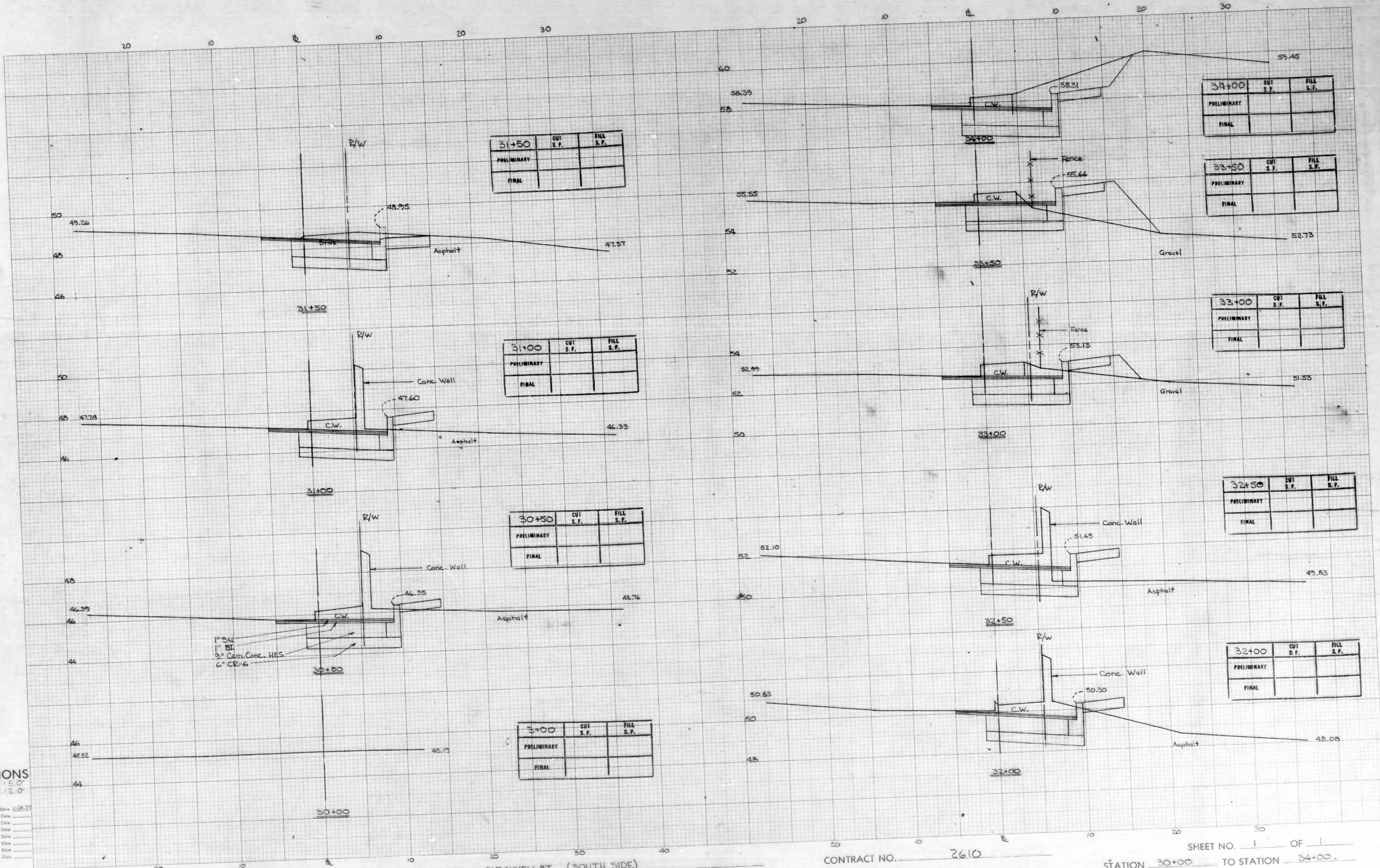
PROJECT O'Donnell St. ~ East End of Viaduct to Newkirk St.

CONTRACT NO. 2610

SHEET NO. OF

DESCRIPTION X-Sections of Newkirk St. From O'Donnell St. Southerly

STATION TO STATION



CROSS SECTIONS
Scale 1 inch = Hor. : 50'
VER. : 2.0'

Original Plotted by: P. Mackall Date: 2-24-11
 Original Checked by: _____ Date: _____
 Template by: _____ Date: _____
 Area by: _____ Date: _____
 Plotted by: _____ Date: _____
 Final Checked by: _____ Date: _____
 Area by: _____ Date: _____
 Area Checked by: _____ Date: _____

BOOK NO. X-700

PROJECT O'DONNELL ST. (SOUTH SIDE)
 DESCRIPTION NEWKIRK ST. TO PONCA ST.

CONTRACT NO. 2610

SHEET NO. 1 OF 1
 STATION 30+00 TO STATION 34+00