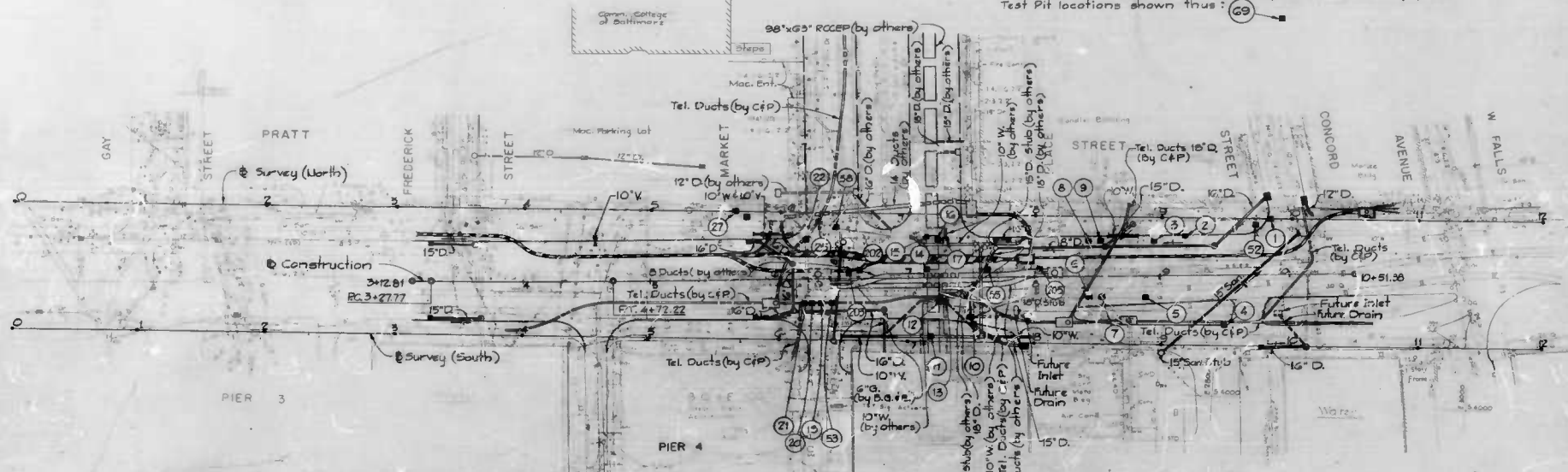


DRAINAGE AND UTILITY CROSS REFERENCES

For Storm Drain and Sanitary Sewer Plan, See Sheet No. 8
 For Water Plan, Profiles & Details, See Sheet No. 12
 For Electrical Conduit Plan, See Sheet No. 13

TEST PIT DATA								
NO.	UTILITY	COVER	NO.	UTILITY	COVER	NO.	UTILITY	COVER
1	B.C. Conduit	2.6'	13	10" Water	4.4'	26	B.C. Conduit	2.5'
2	10" Water	4.5'	14	B.C. Conduit	2.8'	52	6" Water	4.1'
3	B.C. Conduit	2.1'	15	10" Water	3.4'	53	10" Water	4.3'
4	C & P Duct	3.7'	16	C & P Duct	6.4'	55	B.C. Conduit	2.3'
5	B.C. Conduit	3.1'	17	10" Water	5.9'	58	B.C. Conduit	2.7'
6	2 1/2" Gas	2.7'	19	B.C. Conduit	4.3'	202	10" Water	4.9'
7	C & P Duct	3.0'	20	B.C. Conduit	3.3'	203	B.C. Conduit	3.7'
8	2 1/2" Gas	4.7'	21	B.C. Conduit	3.2'	205	16" Steam	2.6'
9	C & P Duct	2.3'	22	B.C. Conduit	4.1'		B.C. Conduit	2.9'
10	C & P Duct	3.1'	25	5" Drain	2.0'			
11	10" Water	3.2'	27	B.C. Conduit	2.6'			
12	C & P Duct	5.8'						

Cover taken from top of existing utility to top of existing ground.
 Test Pit locations shown thus:



COMPOSITE UTILITY PLAN GENERAL NOTES

- Contractor shall notify "Miss Utility" at 555-0100 at least three days prior to work, stating (1) nature of work, (2) location of job and contract number, and (3) time and date for starting work to allow Baltimore Gas and Electric Co. and C&P Telephone Co. time to mark locations of their facilities.
- The Contractor will be required to coordinate his work with construction by utility companies and other Contractors working in the area.
- Relocations of existing Telephone Conduit, Baltimore Gas and Electric Co. facilities and related structures and/or appurtenances affected by work to be accomplished under this contract shall be done by the Owners of each Utility and will not be the responsibility of the Contractor. Damage to these Utilities caused by the Contractor's operations will be repaired by the appropriate Utility Owner at the Contractor's expense.
- The Contractor will vertically adjust existing Grates, all Manholes, all Valve Frames and Covers to grade as required, unless noted otherwise.
- This Plan does not reflect Street Lighting Conduits or Street Light pole locations. For details, see sheet No. 13.
- The Specifications for this Contract will be those of the State of Maryland, State Roads Commission/State Highway Administration, Baltimore, Maryland, entitled "Specifications for Materials, Highways, Bridges and Incidental Structures," dated March 1968; "Supplement to Specifications," dated July 1979, as amended for the Interstate Division for Baltimore City, and Revisions and Additions thereto. Baltimore City Standard Plates, and/or Maryland State Highway Administration Standard Plates, as noted on the Plans or in the Special Provisions, shall apply.
- The existing utilities and obstructions shown are from the best available records and shall be verified by the Contractor to his satisfaction prior to construction. Necessary precautions shall be taken by the Contractor to protect all existing utilities and services and any damage to them due to his negligence shall be repaired immediately at his own expense.
- Some test pits have been taken and the data is indicated on the plans. These test pits, as shown, have been dug and recorded in the usual manner with reasonable care and accuracy. The City does not warrant or guarantee the location or cover of these utilities. The Contractor, after notice to proceed and prior to beginning construction, shall dig additional test pits where necessary to locate existing utilities to his satisfaction. If conflicts with the existing utilities occur, the Contractor shall notify the Engineer immediately so revisions to the work may be made.

NO.	DATE	BY	REVISION

REVISIONS CONSULTANT WHITMAN, REQUARDT AND ASSOCIATES ENGINEERS 2515 ST. PAUL STREET BALTIMORE, MD. 21218	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS & STATE HIGHWAY ADMINISTRATION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY PRATT STREET PIER 3 TO CONCORD STREET COMPOSITE STORM DRAIN AND UTILITY PLAN SCALE: 1"=40' DATE: OCT. 21, 1983	DRAWN BY: J. DIMAGGIO TRACED BY: J. DIMAGGIO F.A.P. NO. IX-3012 (2) S.H.A. NO. BC 311-24-815 BALTO. CITY NO. 2902	DES. BY: S.L. FADER CHK. BY: M.E. VOLKER SHEET NO. 7 OF 20
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FED. REGION	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	IX-3012 (2)	5	20

Curve 1
Baseline Construction
Curve Data
 $\Delta = 01^{\circ} 26' 40''$ Lt.
 $Dc = 01^{\circ} 00' 00''$
 $R = 5729.98'$
 $T = 72.23'$
 $L = 144.44'$

Curve 2
Baseline Construction
Service Lane Curve Data
 $\Delta = 14^{\circ} 00' 00''$ Rt.
 $Dc = 19^{\circ} 05' 00''$
 $R = 300.00'$
 $T = 36.84'$
 $L = 79.50'$

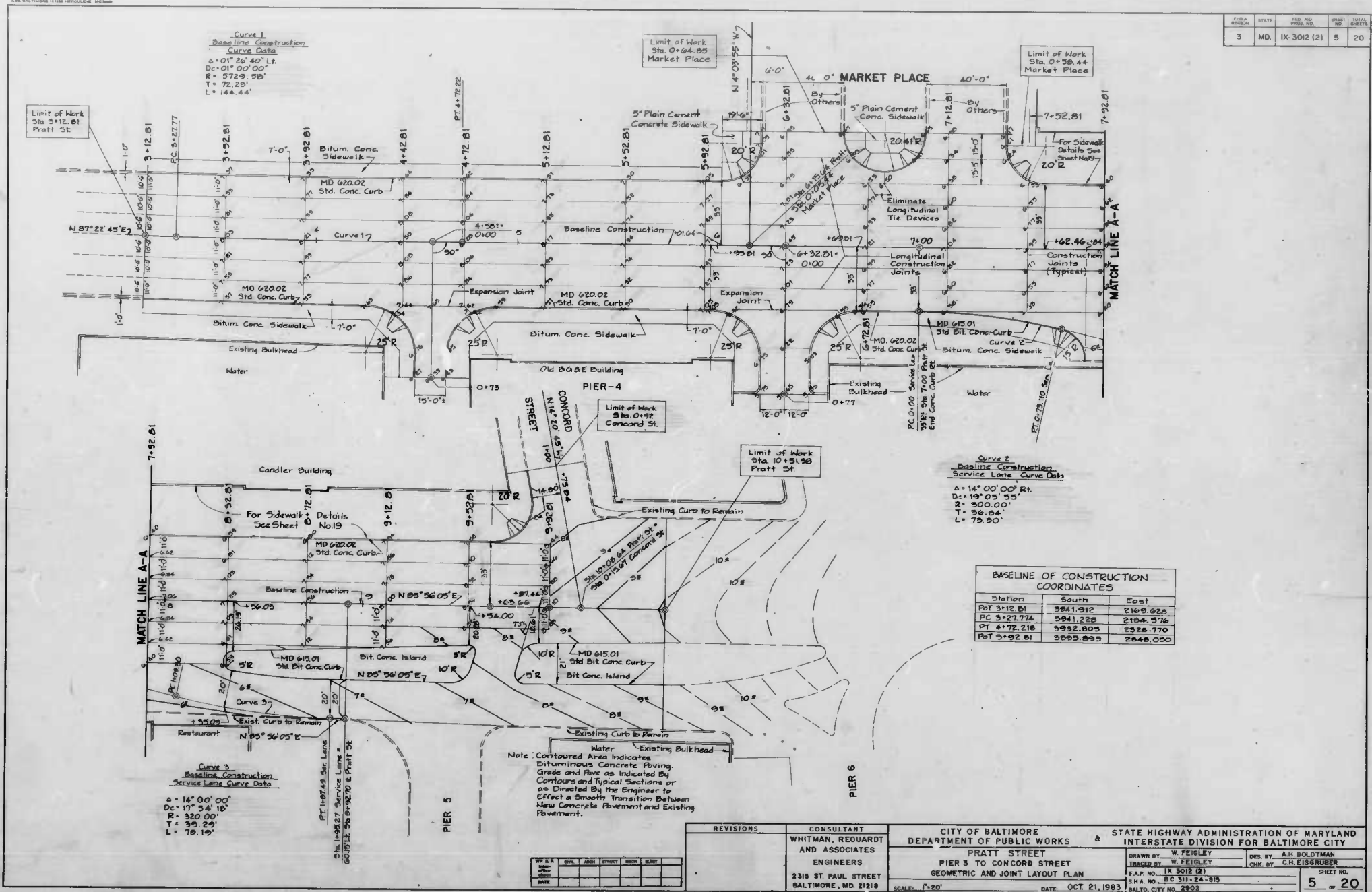
Curve 3
Baseline Construction
Service Lane Curve Data
 $\Delta = 14^{\circ} 00' 00''$
 $Dc = 17^{\circ} 54' 18''$
 $R = 320.00'$
 $T = 39.24'$
 $L = 79.15'$

BASILINE OF CONSTRUCTION COORDINATES

Station	South	East
PT 3+12.81	3941.912	2169.628
PC 3+27.77	3941.228	2164.576
PT 4+72.218	3932.805	2152.770
PT 5+92.81	3895.899	2148.020

Note: Contoured Area Indicates Bituminous Concrete Paving. Grade and Pavement as Indicated by Contours and Typical Sections or as Directed by the Engineer to Effect a Smooth Transition Between New Concrete Pavement and Existing Pavement.

REVISIONS DATE BY	CONSULTANT WHITMAN, REOARDT AND ASSOCIATES ENGINEERS 2315 ST. PAUL STREET BALTIMORE, MD. 21218	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS & PRATT STREET PIER 3 TO CONCORD STREET GEOMETRIC AND JOINT LAYOUT PLAN SCALE: 1"=20'	STATE HIGHWAY ADMINISTRATION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY DRAWN BY: W. FEIGLEY TRACED BY: W. FEIGLEY F.A.P. NO.: IX 3012 (2) S.H.A. NO.: BG 311-24-815 BALTO. CITY NO. 3902	DES. BY: A.H. BOLDTMAN CHK. BY: C.H. EISSGRUBER SHEET NO. 5 of 20



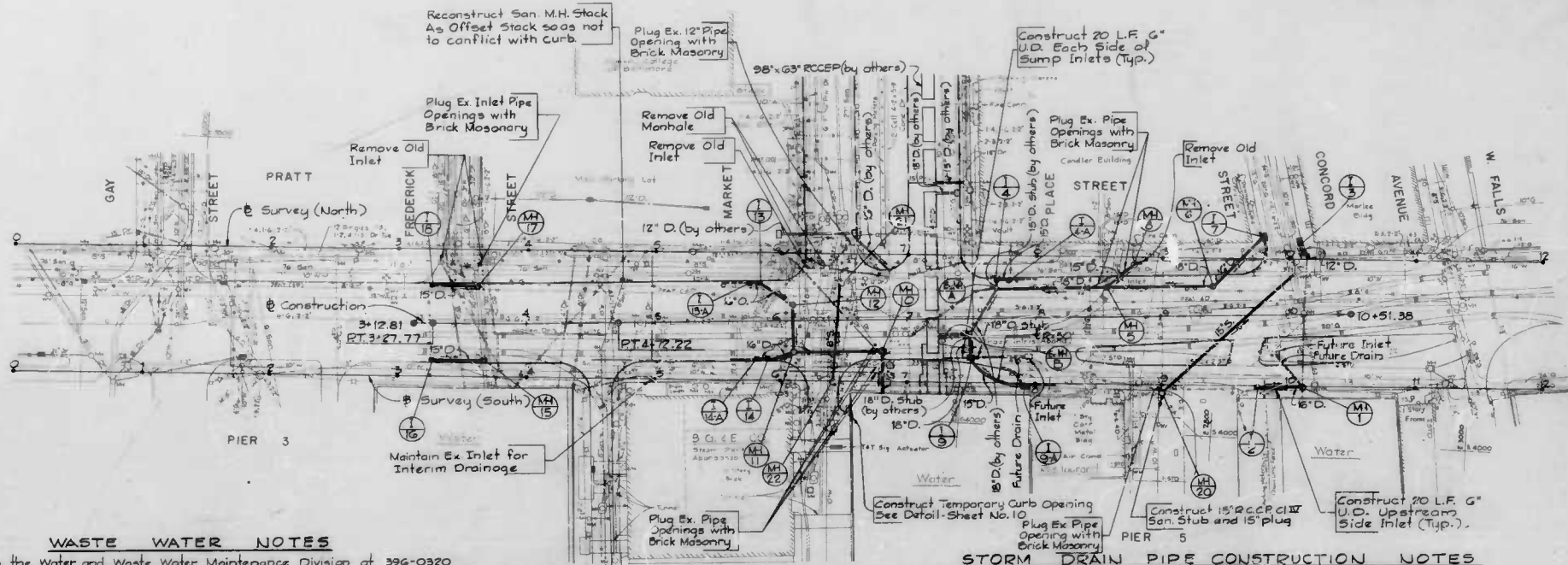
DRAINAGE AND UTILITY CROSS REFERENCES

For Composite Storm Drain and Utility Plans, See Sheet No. 7
 For Storm Drain Profiles, See Sheet No. 9
 For Storm Drain Profiles, Details and Structure Schedules, See Sheet No. 10
 For Water Plan, Profiles and Details, See Sheet No. 12
 For Electrical Conduit Plans, See Sheet No. 13
 For Sanitary Sewer Profiles and Structure Schedule, See Sheet No. 11

SANITARY SEWER PIPE CONSTRUCTION NOTES

Construct 144 LF of 15" R.C.C.P./Sanitary Cl. IV and 1-Std. Sanitary Manhole. Connect MH No. 20 to Ex. G' San. Connect 15" R.C.C.P. to Ex. Manhole of Ex. 76" San. Interceptor.

Construct 78 LF of 8" O.I.P. Cl. 54, 1-Std. Sanitary Offset Manhole No. 2, and 1-Std. Sanitary MH No. 22. Connect both manholes to Ex. G' San. Protect and Support Ex. 10" Was required. Locate Ex. G' Sewer Service Connection in vicinity of both manholes and Ex. 10" W by test pits prior to any utility construction in the area. The Engineer may direct the Contractor to revise sewer and water construction in this area. See Special Provisions for Alternatives.



WASTE WATER NOTES

- Notify the Water and Waste Water Maintenance Division at 396-0320 at least three days before starting work.
- Inlet Connections shall be Class IV Reinforced Concrete Pipe (Bell and Spigot).
- Gravel Grate shall be placed under all Pipes except Inlet Connections.
- Vertical Adjustment of Inlets and Manholes to finished grade, shall not be measured and shall be considered incidental to the cost of paving.
- All abandoned existing pipe openings shall be plugged and paid for as Common Brick Masonry for Misc. Structures unless noted otherwise.
- All Type 'S' Grate Inlets, Type 'S' Combination Inlets, and Type 'S' Double Grate Inlets shall have Type 'S-7' Grates (BC-379.04).
- All Type 'E' Combination Inlets shall have Type '1-E' Frames and Grates (BC-376.01).
- Removal of existing Inlets, Manholes, Structures, and Pipes within the limits of trench excavation will not be measured for payment.

PLAN
 Scale: 1" = 40'

STORM DRAIN PIPE CONSTRUCTION NOTES

Construct 33 LF of 16" D.I.P. Cl. 54, 1-Std. Manhole, 1-Std. 'S' Grate Inlet. Connect to Existing Pipe.

Construct 10 LF of 12" D.I.P. Cl. 54, and 1-Std. 'E' Comb. Inlet. Connect to Existing Inlet.

Construct 3 LF of 15" R.C.C.P. Cl. IV, and 1-Std. 'S' Grate Inlet. Connect to Ex. Pipe.

Construct 84 LF of 18" R.C.C.P. Cl. IV, and 1-Std. Manhole, No. 5. Connect to Ex. Manhole, No. 8.

Construct 24 LF of 15" R.C.C.P. Cl. IV, and 1-Std. Manhole, No. 8.

Construct 81 LF of 18" R.C.C.P. Cl. IV, and 1-Std. Manhole, No. 6.

Construct 54 LF of 16" D.I.P. Cl. 54, and 1-Std. 'E' Comb. Inlet.

Construct 11 LF of 18" R.C.C.P. Cl. IV, and 1-Std. Double 'S' Grate Inlet. Connect to Ex. Pipe.

Construct 8 LF of 15" Inlet Conn. and 1-Std. 'S' Grate Inlet.

Construct 7 LF of 16" D.I.P. Cl. 54, and 1-Std. 'S' Grate Inlet.

Construct 48 LF of 15" Inlet Conn. and 1-Std. Modified 'S' Comb. Inlet. See Detail Sheet No. 10.

Construct 33 LF of 16" D.I.P. Cl. 54, and 1-Std. Manhole, No. 10. See Detail, Sheet No. 10.

Construct 68 LF of 16" D.I.P. Cl. 54, and 1-Std. Manhole, No. 11.

Construct 34 LF of 16" D.I.P. Cl. 54, and 1-Std. Manhole, No. 12.

Construct 19 LF of 16" D.I.P. Cl. 54, and 1-Std. 'S' Grate Inlet.

Construct 30 LF of 16" D.I.P. Cl. 54, and 1-Std. 'S' Grate Inlet.

Construct 97 LF of 15" Inlet Conn., 1-Std. 'S' Grate Inlet and 1-Std. Manhole No. 15. Connect to Ex. Pipe.

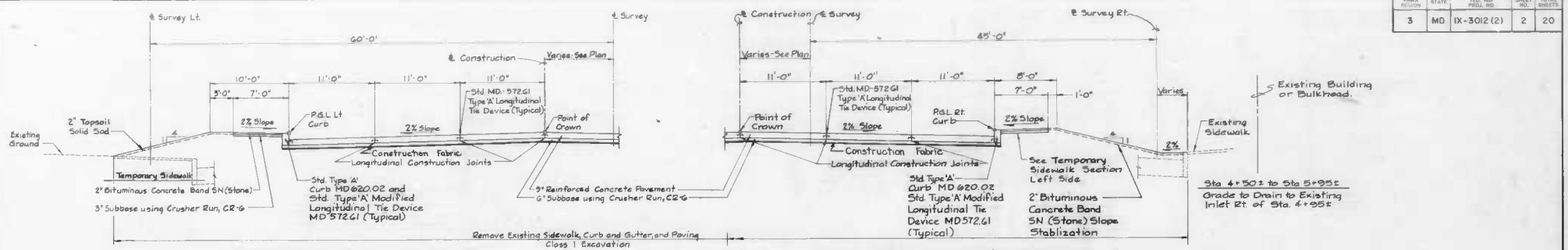
Construct 39 LF of 15" Inlet Conn., 1-Std. 'S' Grate Inlet and 1-Std. Manhole, No. 17. Connect to Ex. Pipe.

Construct 7 LF of 16" O.I.P. Cl. 54, and 1-Std. 'S' Grate Inlet.

NO. & DATE	BY	REVISION

REVISIONS CONSULTANT WHITMAN, REQUARDT AND ASSOCIATES ENGINEERS 2315 ST. PAUL STREET BALTIMORE, MD. 21218	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS & STATE HIGHWAY ADMINISTRATION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY PRATT STREET PIER 3 TO CONCORD STREET STORM DRAIN AND SANITARY SEWER PLAN SCALE: PLAN - 1" = 40' DATE: OCT. 21, 1983	DRAWN BY: J. DIMAGGIO CHECKED BY: S.L. FADER DESIGNED BY: S.L. FADER CHECKED BY: M.E. VOLKER SHEET NO. 8 of 20 F.A.P. NO. IX-3012(2) S.H.A. NO. BC-311-24-915 BALTO. CITY NO. 2892
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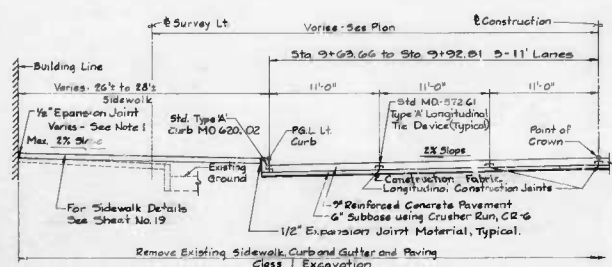
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3	MD	IX-3012(2)	2	20



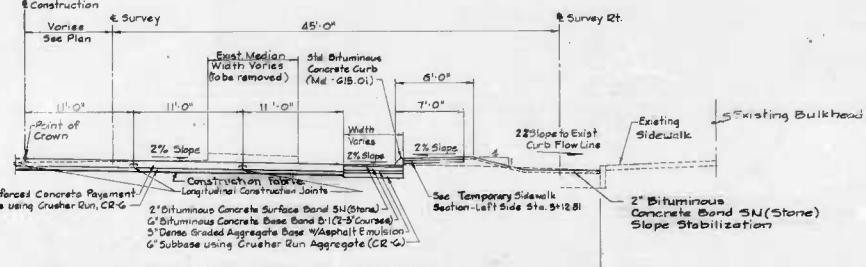
PRATT STREET-TYPICAL SECTION
STA. 3+12.81 TO STA. 7+00.00 LEFT
(No Scale)

PRATT STREET-TYPICAL SECTION
STA. 3+12.81 TO STA. 7+00.00 RIGHT
(No Scale)

Note: The Lower Limit of Class I Excavation is the Planned Subgrade Elevation or Bottom of Existing Pavement, whichever is Lowest.

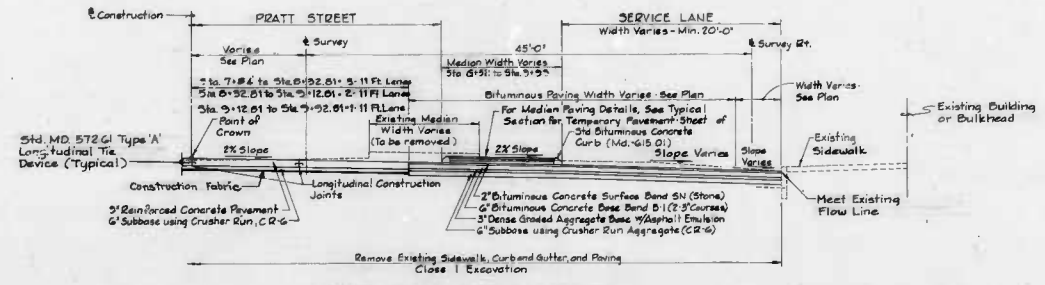


PRATT STREET-TYPICAL SECTION
STA. 7+02.46 TO STA. 9+63.66 LEFT
(No Scale)



PRATT STREET-TYPICAL SECTION
STA. 7+00.00 TO STA. 7+84.84 RIGHT
(No Scale)

Note 1: Slope Sidewalk at 2% between Sta. 7+02.46 and Sta. 8+75. Transition Slope from 2% at Sta. 8+75 to 1% at Sta. 9+50.



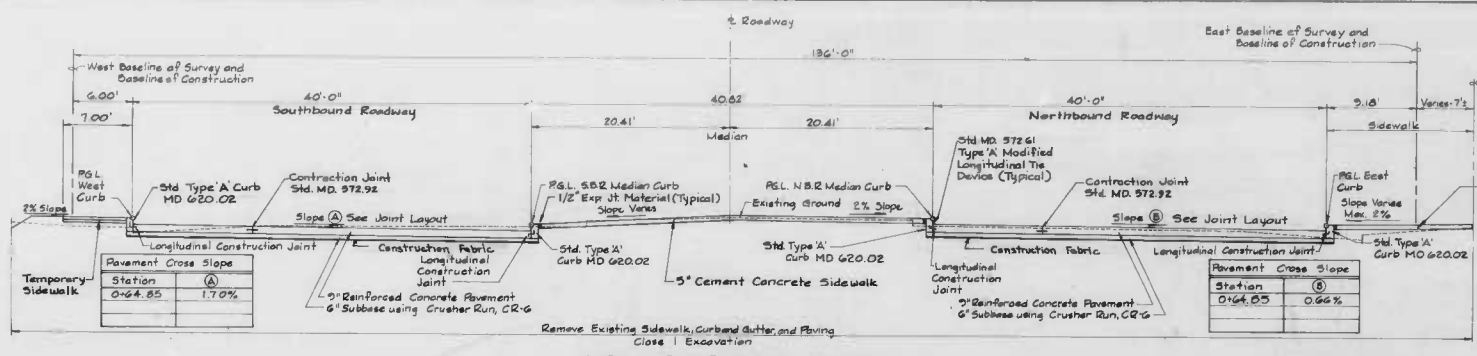
PRATT STREET-TYPICAL SECTION
STA. 7+84 TO STA. 9+92.81 RIGHT
(No Scale)

DATE	BY	CHK.	APP.	STRUCT.	SECT.	QUAL.

REVISIONS	CONSULTANT
	WHITMAN, REARDY AND ASSOCIATES ENGINEERS 2515 ST. PAUL STREET BALTIMORE, MD. 21218

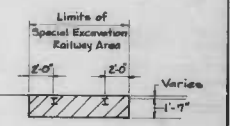
CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS		STATE HIGHWAY ADMINISTRATION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY	
PRATT STREET PIER 3 TO CONCORD STREET TYPICAL SECTIONS			
DRAWN BY: S.L. FADER	DES. BY: S.L. FADER	CHK. BY: A.H. BOLDT/MAN	SHEET NO. 2 OF 20
F.A.P. NO. IX 3012 (2)		DATE: OCT. 21, 1983	
S.H.A. NO. BC 311-24-B15		BALTO. CITY NO. 2902	

FED. REGION	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	IX-3D12 (2)	3	20

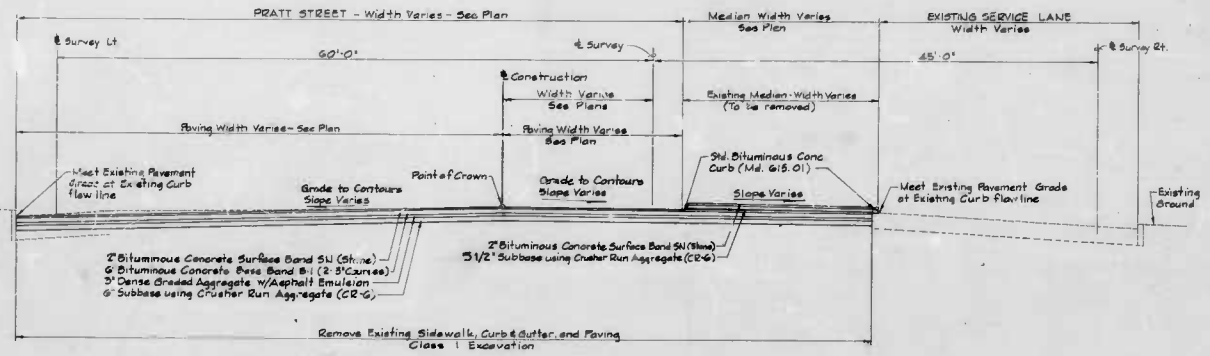


MARKET PLACE - TYPICAL SECTION
STA. 0+64.85
(No Scale)

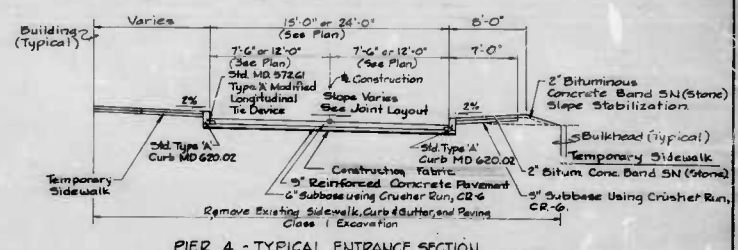
Note: The Lower Limit of Class 1 Excavation is the Planned Subgrade Elevation or Bottom of Existing Pavement Whichever is Lowest



DETAIL OF SPECIAL EXCAVATION RAILWAY AREA
(No Scale)



PRATT STREET - TYPICAL SECTION (TEMPORARY PAVEMENT)
STA. 9+92.81 TO STA. 10+51.38 LEFT & RIGHT
(No Scale)

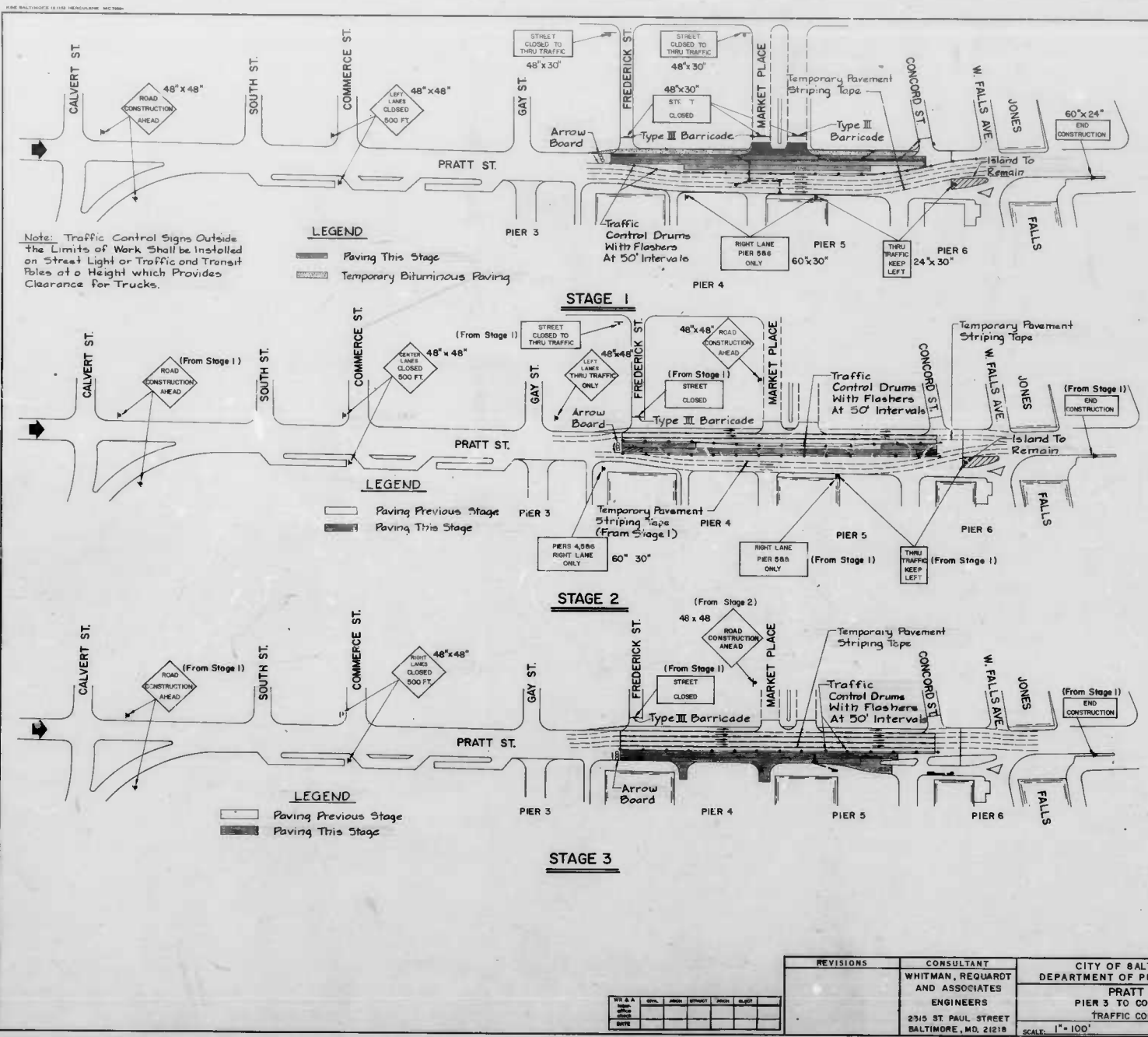


PIER 4 - TYPICAL ENTRANCE SECTION
(No Scale)

REV. NO.	DATE	BY	CHK.	APP.
1	10/1/83	JRP		

REVISIONS	CONSULTANT
	WHITMAN, REQUARDT AND ASSOCIATES ENGINEERS 2315 ST. PAUL STREET BALTIMORE, MD. 21218

CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS	STATE HIGHWAY ADMINISTRATION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY
PRATT STREET PIER 3 TO CONCORD STREET TYPICAL SECTIONS	
DRAWN BY: S.L. FADER TRACED BY: S.L. FADER F.A.P. NO. IX-3012 (2) S.H.A. NO. BC 311-24-B15	DES. BY: S.L. FADER CHK. BY: A.H. BOLDYMAN
SCALE: AS NOTED	DATE: OCT. 21, 1983
	SHEET NO. 3 OF 20



Note: Traffic Control Signs Outside the Limits of Work Shall be Installed on Street Light or Traffic and Transit Poles at a Height which Provides Clearance for Trucks.

General

a) Traffic Control Plans for Maintenance of Traffic During Utility Construction will be the Responsibility of the Contractor who Shall Submit Shop Drawings to the Engineer for Approval.

Stage 1

- a) Place Appropriate Advance Warning Signs.
- b) Construct Storm Drain Systems Left of Station 3+27 to Station 3+65; Left and Right of Station 5+90 to Station 6+80; and Left of Station 7+65 to Station 9+85; Maintaining a Minimum of Four Lanes of Pavement by use of Arrow Boards, Flagmen, Channelizing Devices, Barricades and Bridging. Bring Manholes and Inlet Right of Construction Centerline to Temporary Grade equal to Existing Pavement Elevation so That They May be Ridden Over by Traffic.
- c) Divert Traffic to South Side of Pratt Street, Maintaining Four Lanes of Pavement (Min 44-Ft).
- d) Remove Sufficient Existing Pavement and Bring to Subgrade Sufficient Area to Construct Northern-most Lanes 1 and 2, and Lane 3 from Station 4+72.81 to Station 8+72.81, and Aprons at Market Place.
- e) Construct 10-Ft. Wide Temporary Pavement (Min 6" Crusher Run and 3" Bituminous Concrete, II) Along North Side of New Pavement Remove Sufficient Curb West of Frederick St to form Taper. Plate over Inlets, Manholes, and Utilities as Required.

Stage 2

- a) Revise Signing as Required.
- b) Divert two lanes of Traffic to Newly Constructed Lanes 1 & 2, and two Lanes to South Side of Existing Pratt Street.
- c) Remove Northern set of Rails, ties and Ballast, and Sufficient Existing Pavement and Bring to Subgrade Sufficient Area to Construct Remainder of Lane 3 and all of Lane 4. Deferring Paving Slabs Thus Until 3 Lanes of Traffic can be Accommodated North of the Construction and One Lane South of Construction.

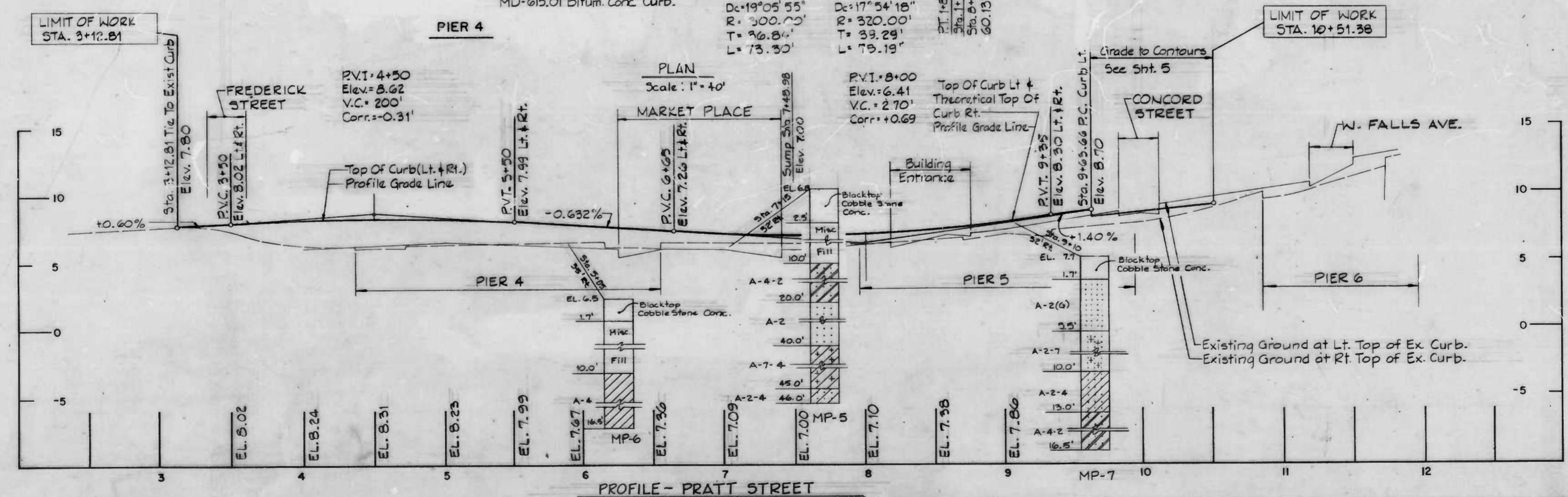
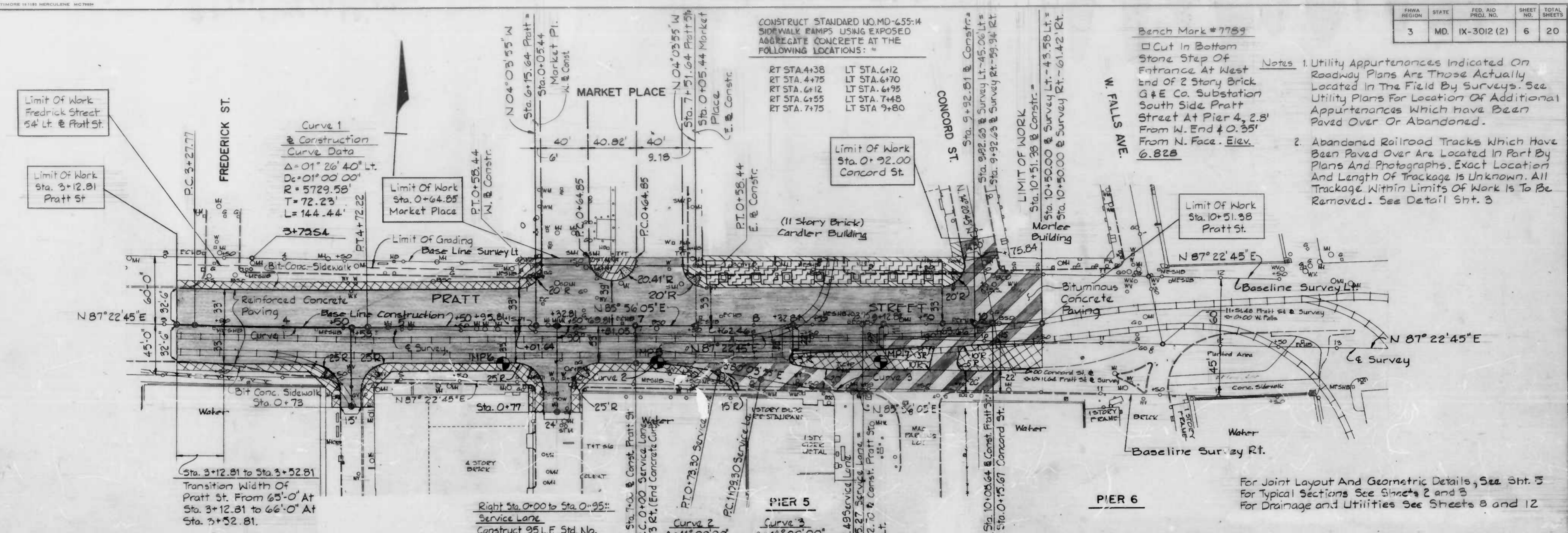
Stage 3

- a) Revise Signing as Required
- b) Divert 4 Lanes of Traffic to Newly Constructed Pavement, Maintain Access to Pier 4 by Constructing Ramps of Bituminous Concrete Fill
- c) Construct Storm Drain Right of Station 3+27 to Station 3+65; Right of Station 7+45 to Station 7+95; and Right of Station 9+75 to Station 10+15.
- d) Remove Remaining Rails, Ties, Ballast and Existing Pavement. Maintain Access to Pier 4, 5 and 6 by use of Crusher Run Material and Bituminous Concrete as Directed by the Engineer.
- e) Construct Lanes 5 and 6, Maintaining Access to Piers 4, 5 and 6 by Alternating Construction of Slabs in Vicinity of Pier Entrances.
- f) Complete Pier Service Road Paving and Bituminous Traffic Islands Station 8+50 to Station 10+50.
- g) Construct Curb Along South Side of New Pavement.
- h) Remove Temporary Pavement Constructed Along North Side of New Pavement, And Construct North Curb.

PROJECT NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD.	IX-3012(2)	4	20

REVISIONS NO. & DATE BY CHECKED BY		CONSULTANT WHITMAN, REARDOT AND ASSOCIATES ENGINEERS 2315 ST. PAUL STREET BALTIMORE, MD. 21218	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS & STATE HIGHWAY ADMINISTRATION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY PRATT STREET PIER 3 TO CONCORD STREET TRAFFIC CONTROL PLANS SCALE: 1"=100' DATE: OCT. 21, 1983	DRAWN BY: W. FEIBLEY DESIGNED BY: W. FEIBLEY S.N.A. NO.: BC 311-24-815 BALTO. CITY NO.: 2902	DES. BY: AR. BOLDTMAN CHK. BY: AR. BOLDTMAN SHEET NO. 4 OF 20
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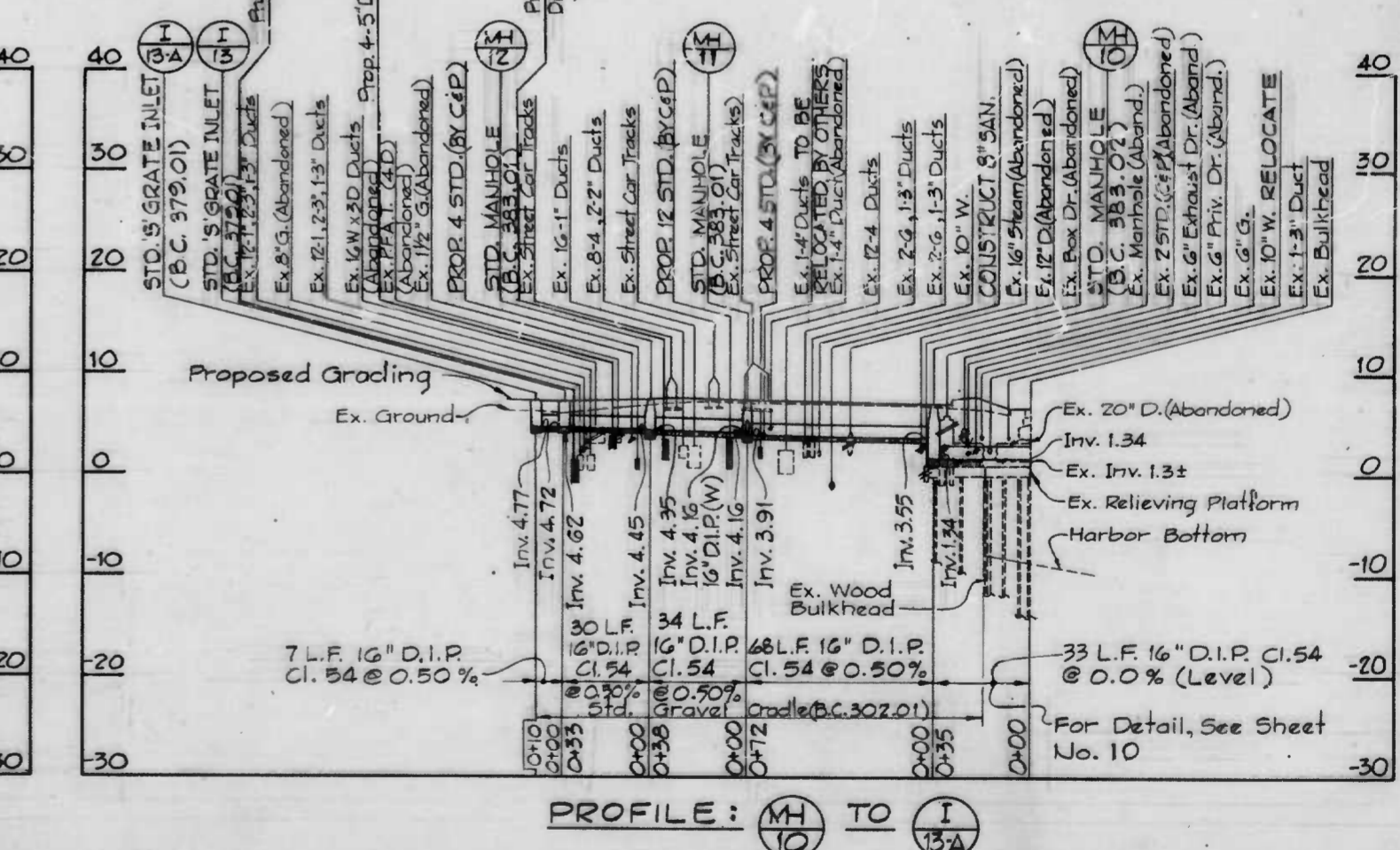
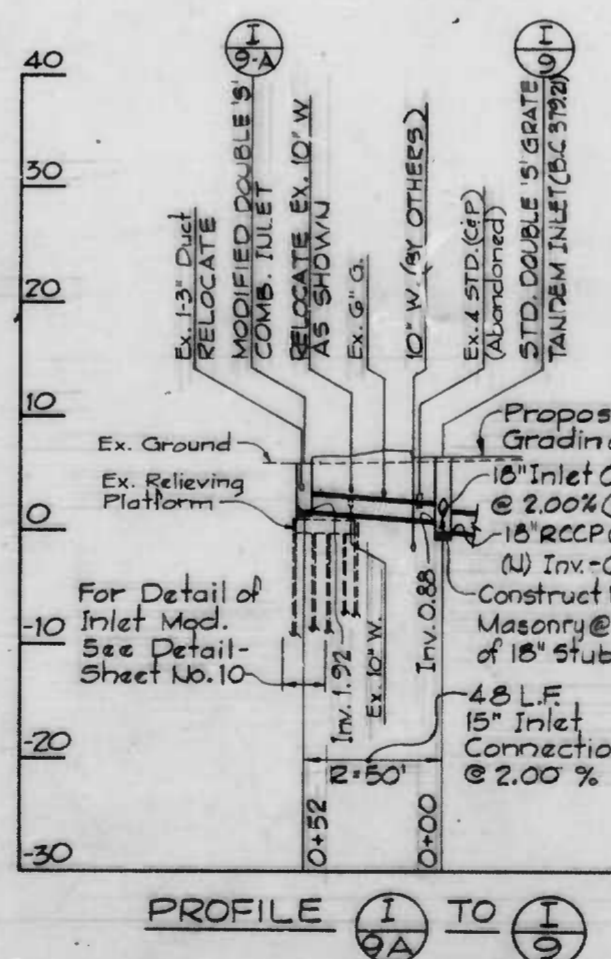
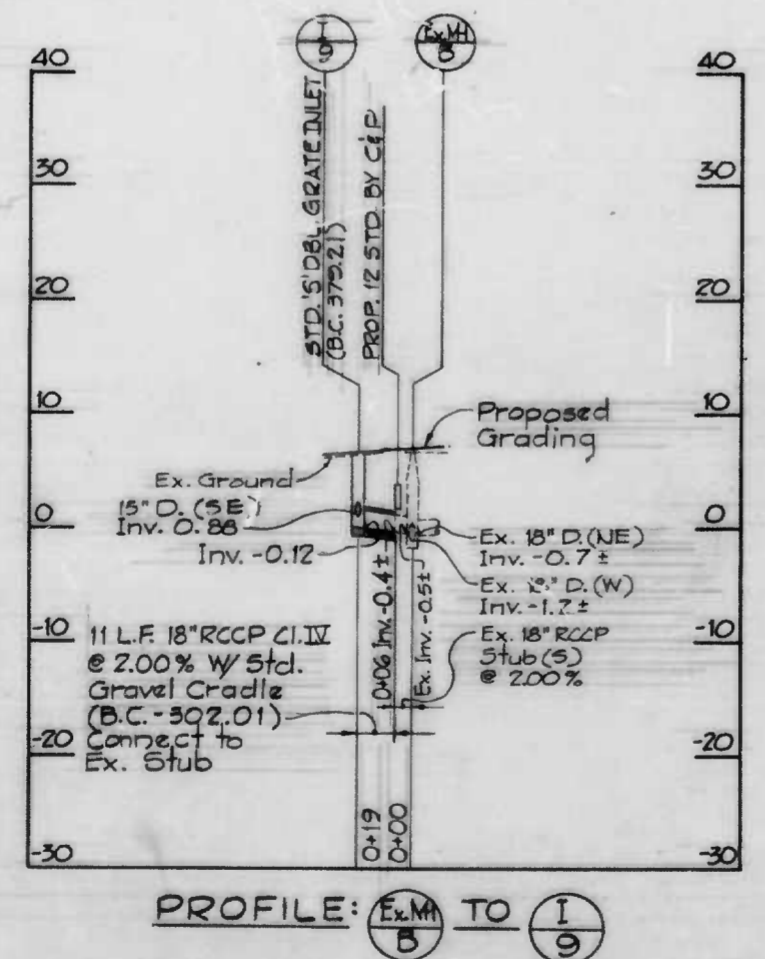
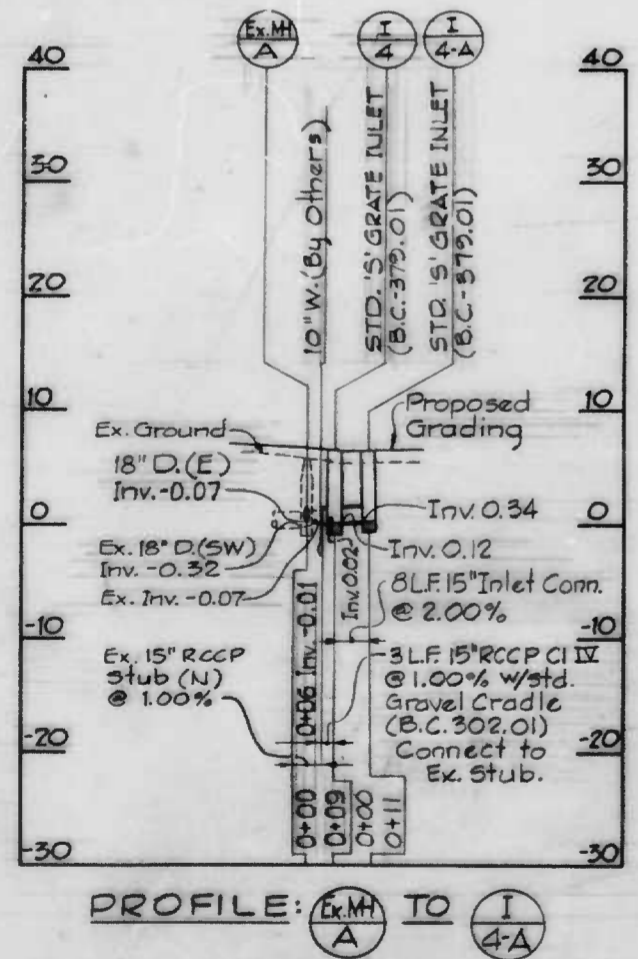
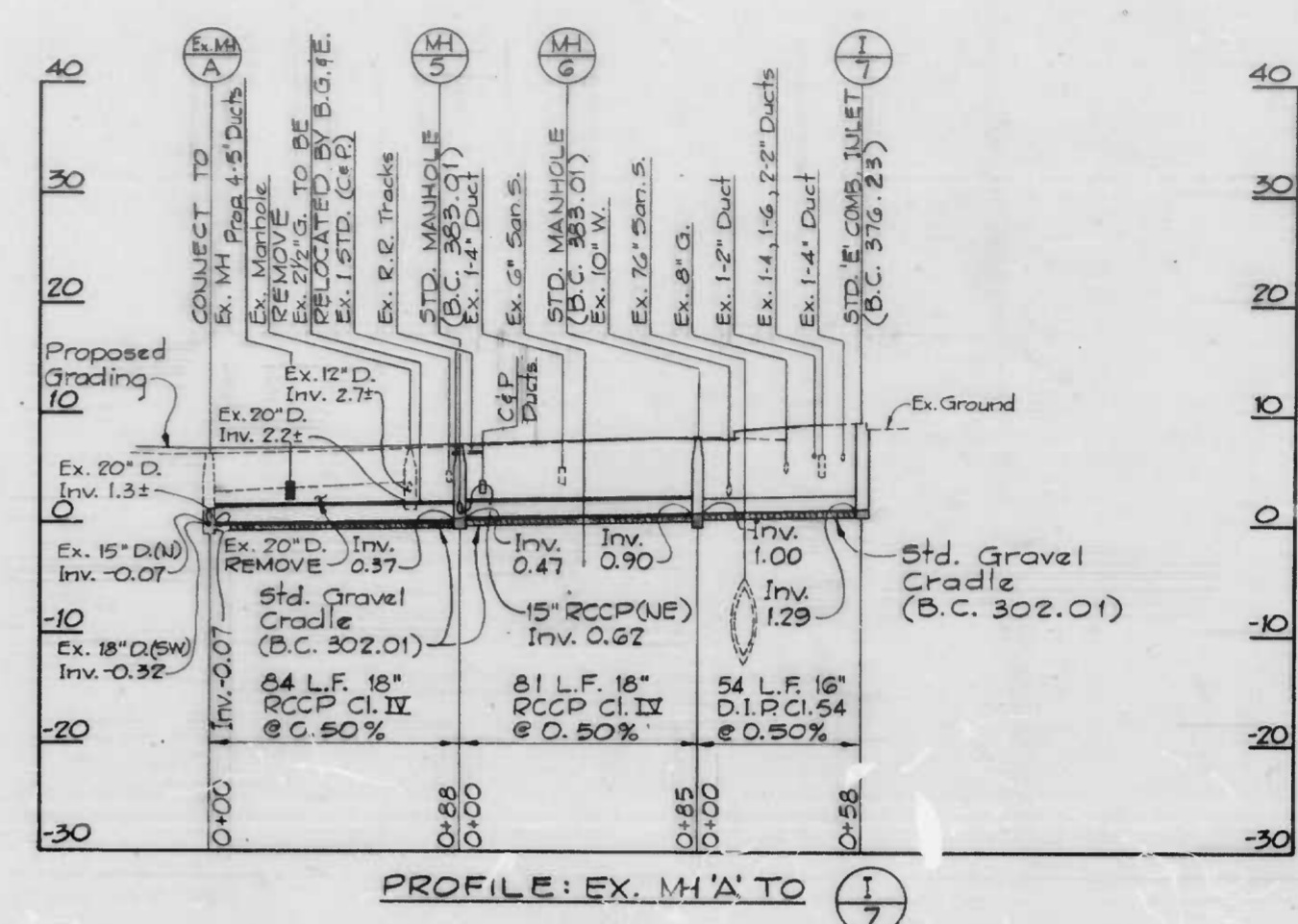
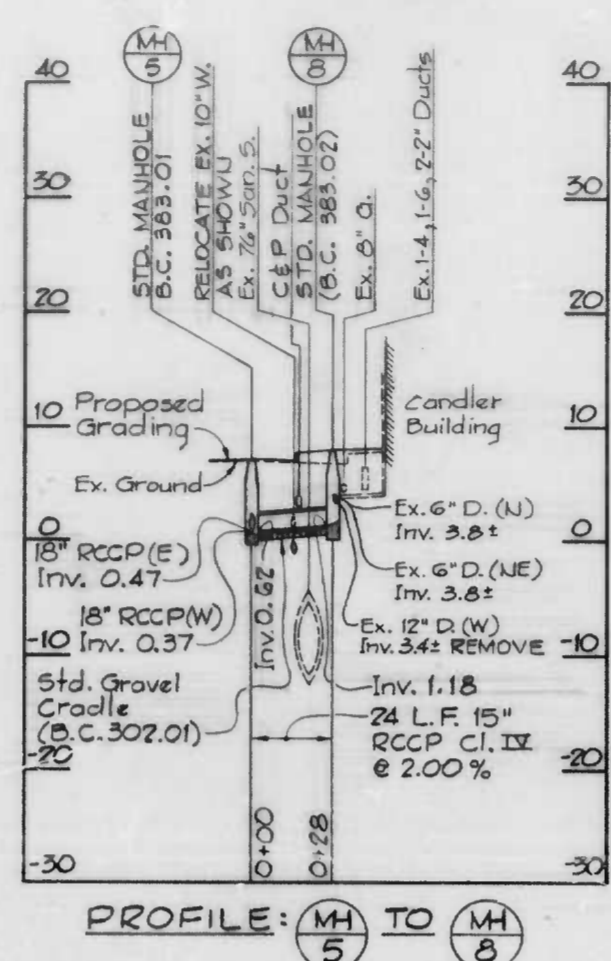
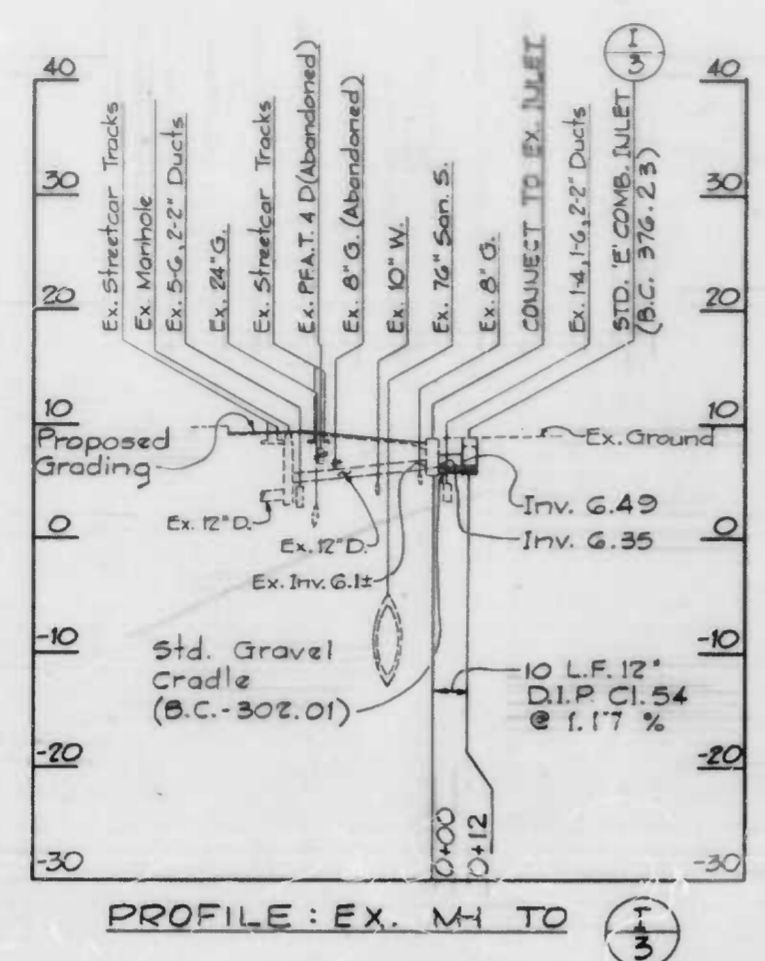
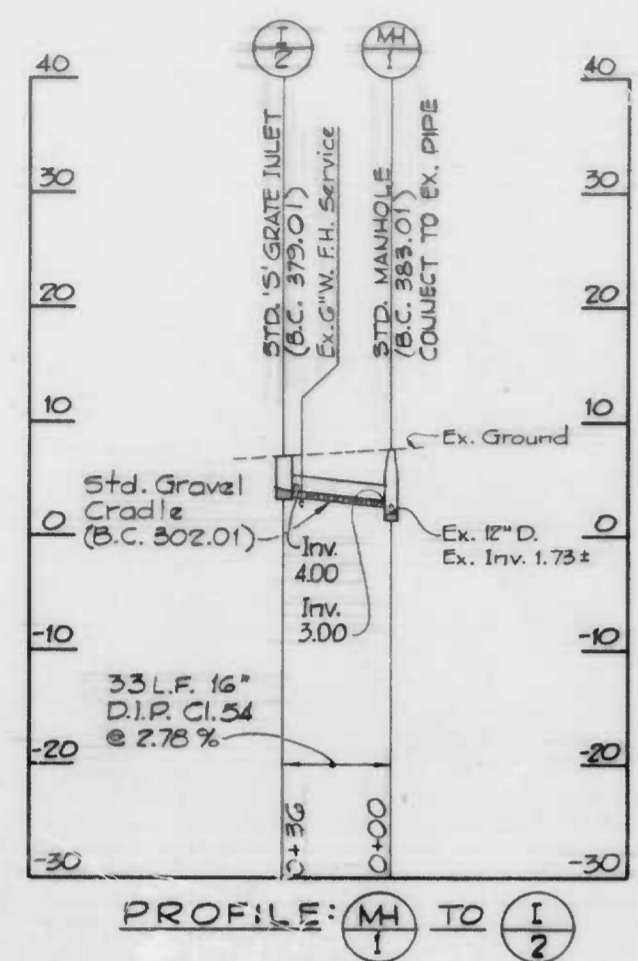
FHWA REGION	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD.	IX-3012(2)	6	20



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NO.	BY	DATE	REVISIONS								

K&E BALTIMORE 101183 HENCULINE MC7888

FHWA REGION	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD.	IX-3012 (2)	9	20

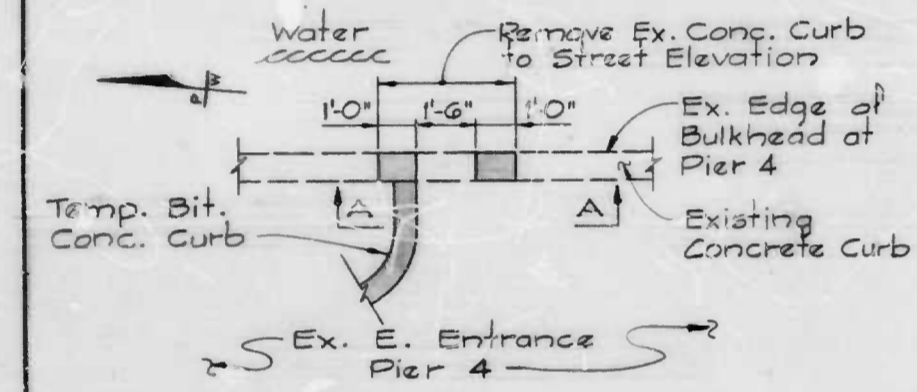
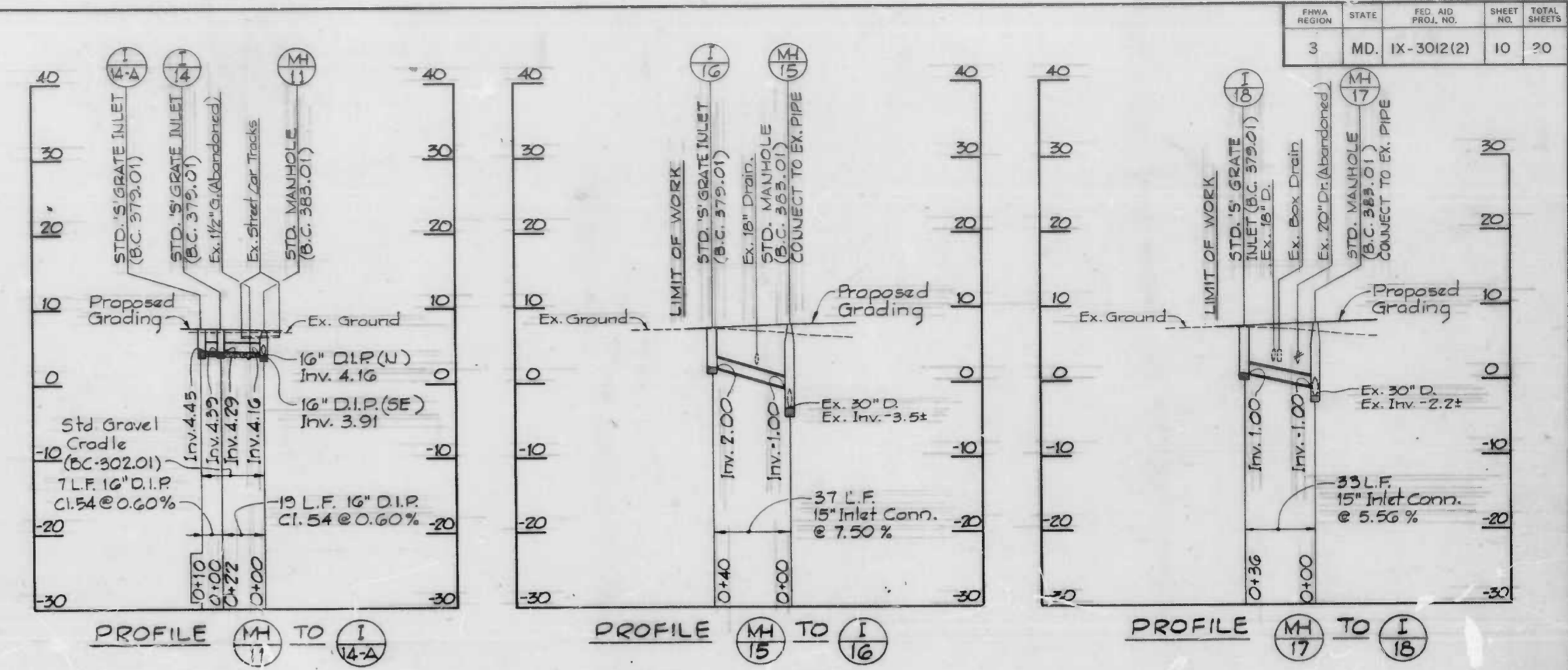


WR & A	CIVIL	ARCH	STRUCT	TRNSP	ELCTR

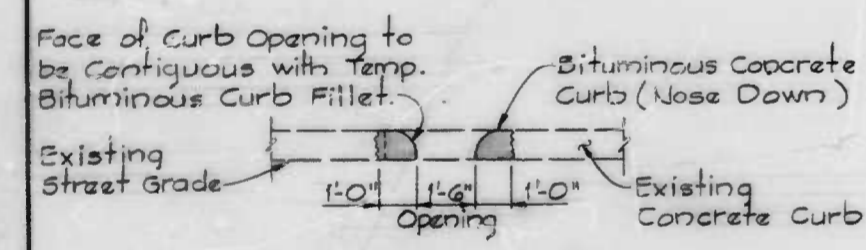
REVISIONS WHITMAN, REQUARDT AND ASSOCIATES ENGINEERS 2315 ST. PAUL STREET BALTIMORE, MD. 21218	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS & STATE HIGHWAY ADMINISTRATION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY PRATT STREET PIER 3 TO CONCORD STREET STORM DRAIN PROFILES SCALE: HORIZ. 1"=40', VERT. 1"=10' DATE: OCT. 21, 1983	DRAWN BY: J. DIMAGGIO TRACED BY: J. DIMAGGIO F.A.P. NO.: IX 3012 (2) S.H.A. NO.: BC 311-24-815 BALTO. CITY NO. 2902	DES. BY: S.L. FADER CHK. BY: ME. VOLKER SHEET NO. 9 OF 20
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K&E BALTIMORE 14 1193 HERCULENE MCH288

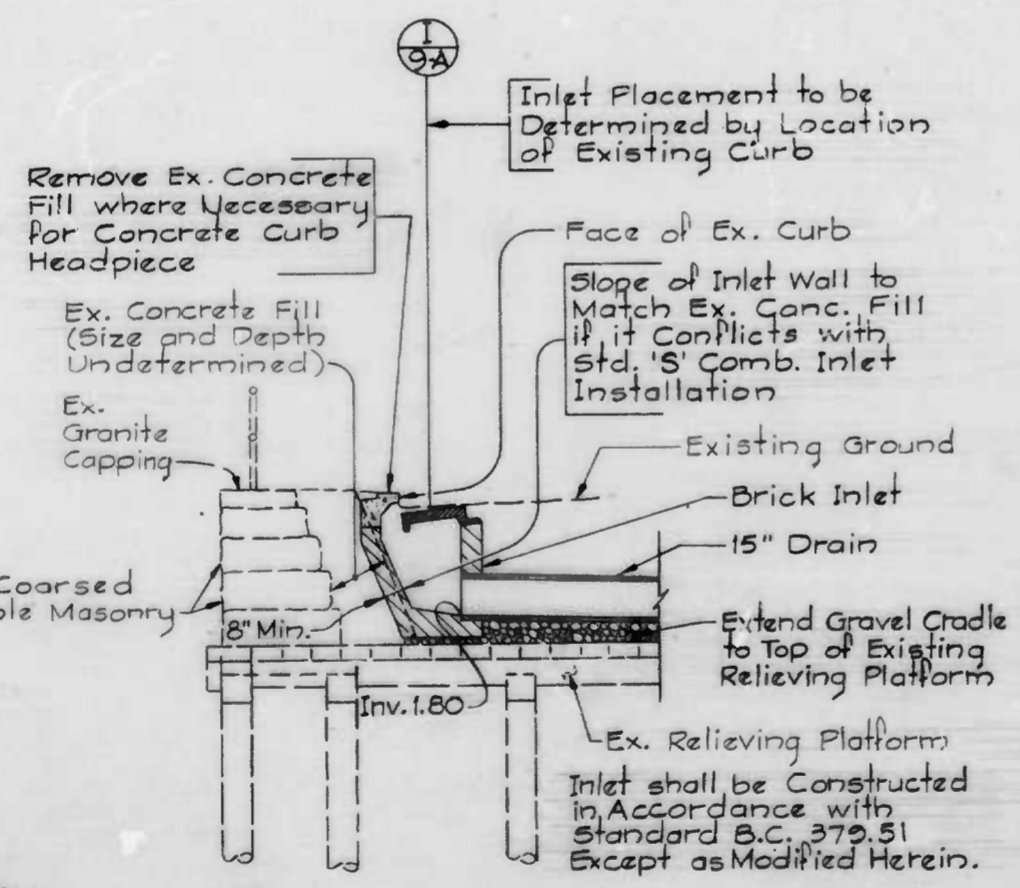
INLET AND MANHOLE CONSTRUCTION SCHEDULE					
NUMBER	TYPE	B.C. STD. DETAIL	CHANNEL TYPE	LOCATION	REMARKS
MH-1	STD. MH	383.01	#2(BC-383.31)	Sta. 10+12-60 ± Rt. Constr.	
I-2	'S' GRATE	379.01		Sta. 9+77-62 ± Rt. Constr.	
I-3	'E' COMB.	376.23		Sta. 10+13-61 ± Lt. Constr.	Sump
I-4	'S' GRATE	379.01	#5(BC-383.32)	Sta. 7+70-35 ± Lt. Constr.	
MH-5	STD. MH	383.01	#12(BC-383.35)	Sta. 8+57-24 ± Lt. Constr.	
MH-6	STD. MH	383.01	#10(BC-383.34)	Sta. 9+42-24 ± Lt. Constr.	
I-7	'E' COMB.	376.23		Sta. 9+83-65 ± Lt. Constr.	Sump
MH-8	STD. MH	383.02	#10(BC-383.34)	Sta. 8+79-45 ± Lt. Constr.	
I-9	DBL 'S' GRATE	379.21	#2(BC-383.31)	Sta. 7+49-33 ± Rt. Constr.	Future Sump
I-9-A	WOOD 'S' COMB.			Sta. 7+92-58 ± Rt. Constr.	Sump Modified - See Detail - This Sheet
MH-10	STD. MH	383.02	#5(BC-383.32)	Sta. 6+81-26 ± Rt. Constr.	
MH-11	STD. MH	383.01	#2(BC-383.31)	Sta. 6+10-26 ± Rt. Constr.	
MH-12	STD. MH	383.01	#7(BC-383.33)	Sta. 6+10-12 ± Lt. Constr.	
I-13	'S' GRATE	379.01	#10(BC-383.34)	Sta. 5+85-33 ± Lt. Constr.	
I-14	'S' GRATE	379.01	#11(BC-383.35)	Sta. 5+90-33 ± Rt. Constr.	
MH-15	STD. MH	383.01	#2(BC-383.31)	Sta. 3+66-30 ± Rt. Constr.	
I-16	'S' GRATE	379.01		Sta. 3+26-32.5 ± Rt. Constr.	
MH-17	STD. MH	383.01	#2(BC-383.31)	Sta. 3+62-30 ± Lt. Constr.	
I-18	'S' GRATE	379.01		Sta. 3+26-32.5 ± Lt. Constr.	
I-4-A	'S' GRATE	379.01		Sta. 7+81-33 ± Lt. Constr.	
I-13-A	'S' GRATE	379.01		Sta. 5+77-33 ± Lt. Constr.	
I-14-A	'S' GRATE	379.01		Sta. 5+82-33 ± Rt. Constr.	



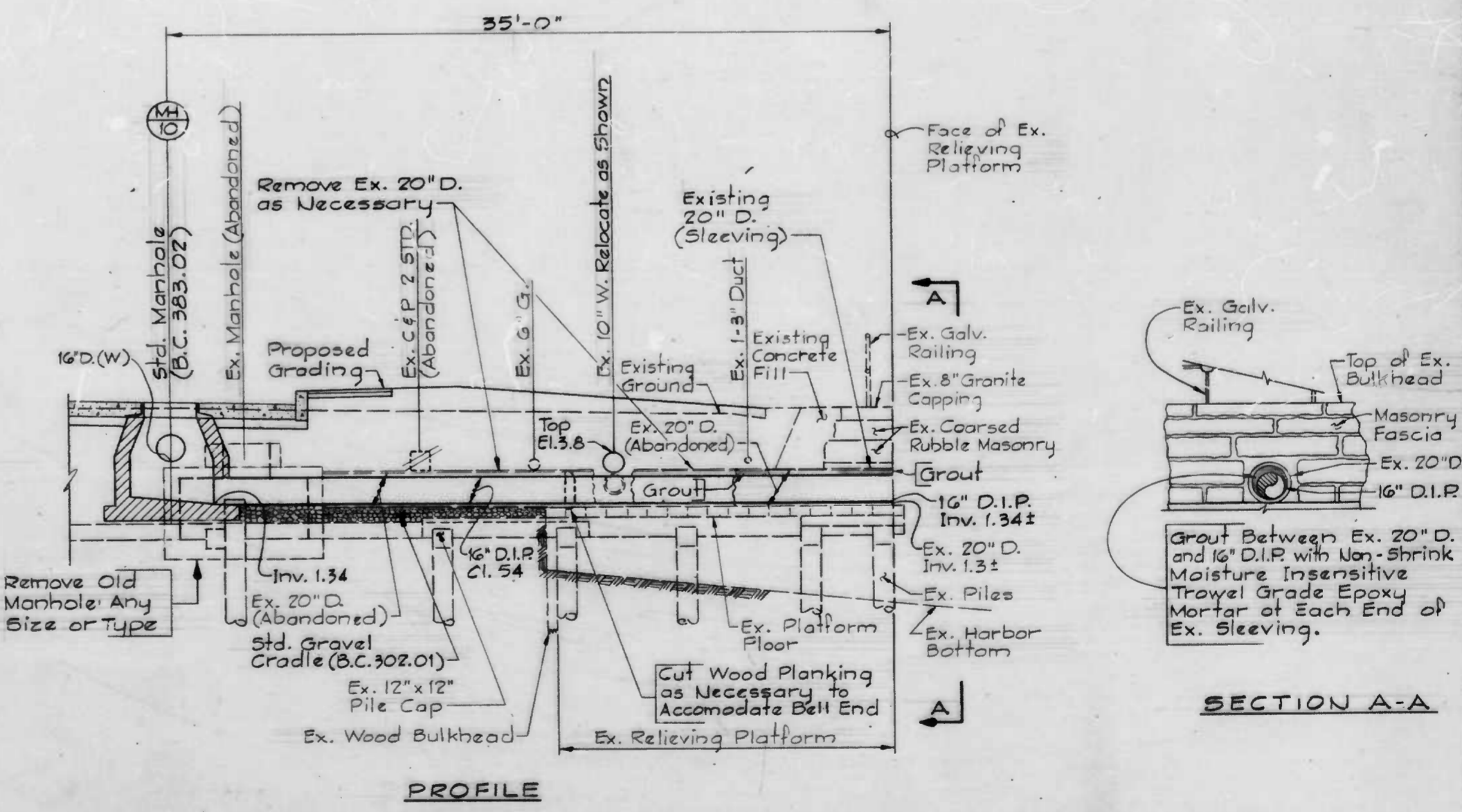
PLAN



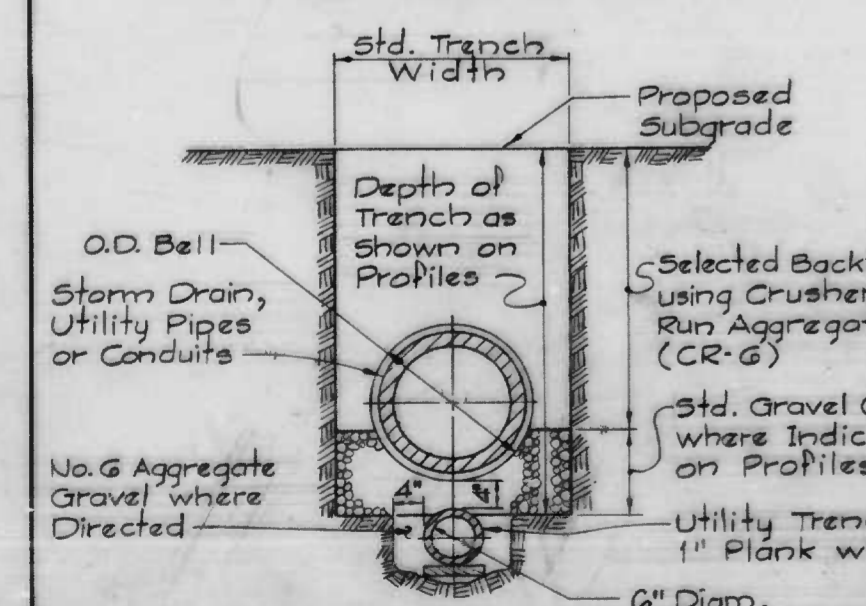
SECTION A-A
CURB OPENING DETAIL
Not to Scale



DETAIL - INLET
Not to Scale



PROFILE
DRAIN OUTFALL DETAIL AT STA. 6+81 ± RT. CONSTRUCTION
Not to Scale



TRENCH DETAIL
Not to Scale

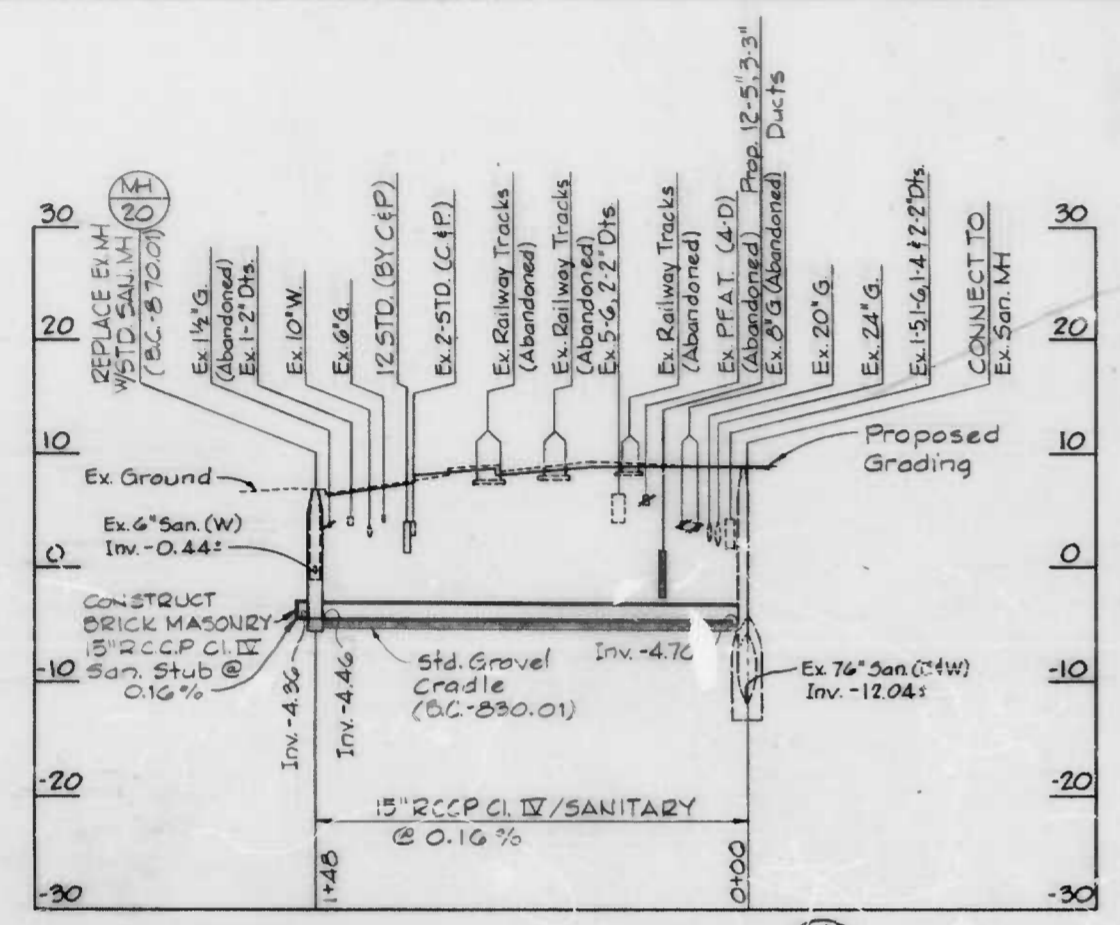
REV.	DATE	DESCRIPTION

REVISIONS CONSULTANT WHITMAN, REQUART AND ASSOCIATES ENGINEERS 2315 ST. PAUL STREET BALTIMORE, MD 21218	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS PRATT STREET PIER 3 TO CONCORD STREET STORM DRAIN PROFILES, DETAILS AND SCHEDULES SCALE: AS SHOWN	STATE HIGHWAY ADMINISTRATION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY DRAWN BY: J. DIMAGGIO TRACED BY: J. DIMAGGIO F.A.P. NO. IX 3012 (21) S.H.A. NO. BC 311-24-615 BALTO. CITY NO. 2302	DES. BY: S.L. FADER CHK. BY: M.E. VOLKER SHEET NO. 10 OF 20

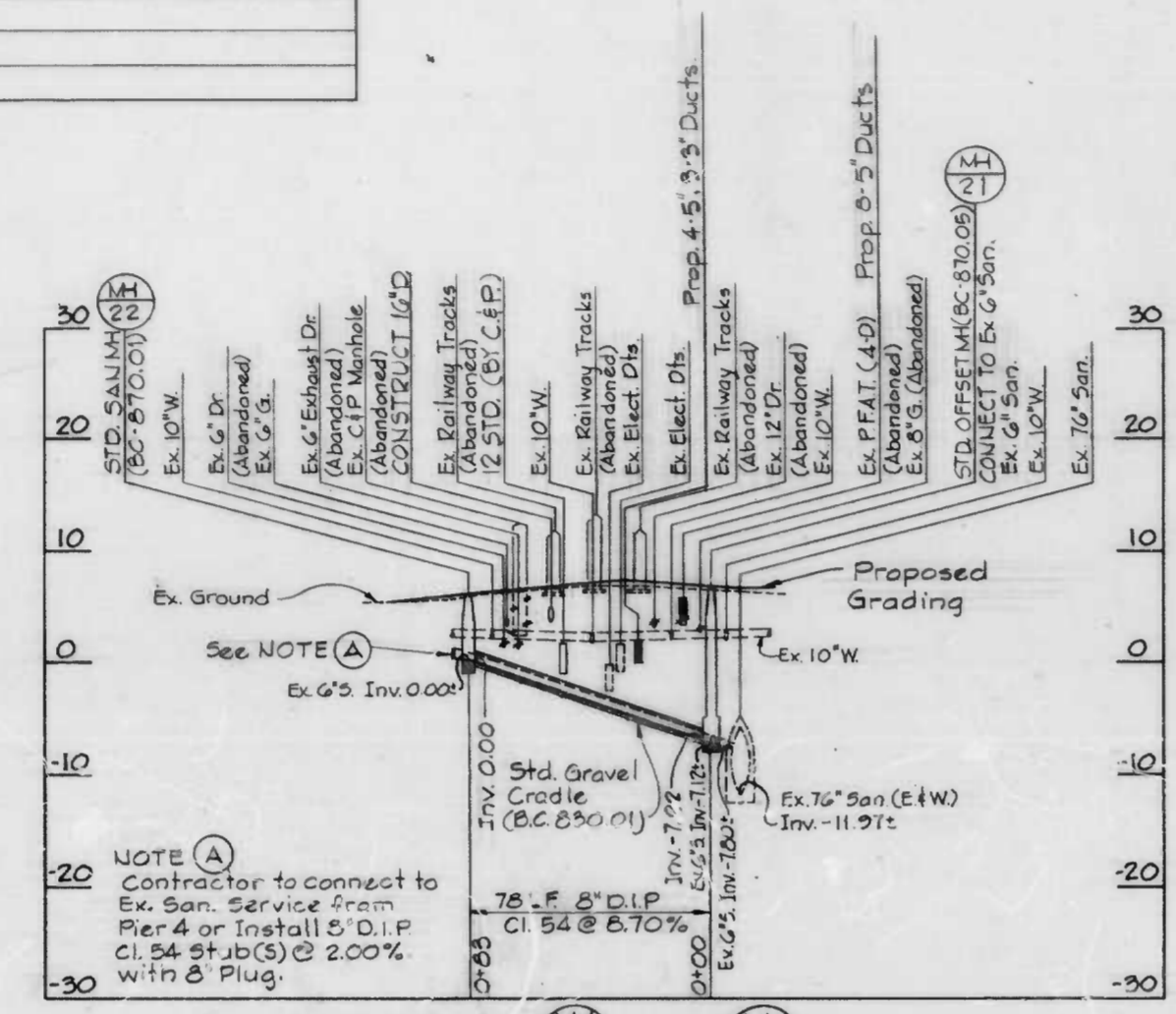
MS&B BALTIMORE 10 1125 MERCURINE MC7894

FHWA REGION	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD.	IX-3012(2)	11	20

SANITARY SEWER MANHOLE CONSTRUCTION SCHEDULE					
NUMBER	TYPE	B.C. STD. DETAIL	CHANNEL TYPE	LOCATION	REMARKS
MH-20	STD. MH	BC-870.01	4 (BC-870.31)	Sta. 9+00-64': Rt. @ Constr.	
MH-21	OFFSET MH	BC-870.05	11 (BC-870.34)	Sta. 6+49-30': Lt. @ Constr.	
MH-22	STD. MH	BC-870.01	11 (BC-870.34)	Sta. 6+41-50': Rt. @ Constr.	

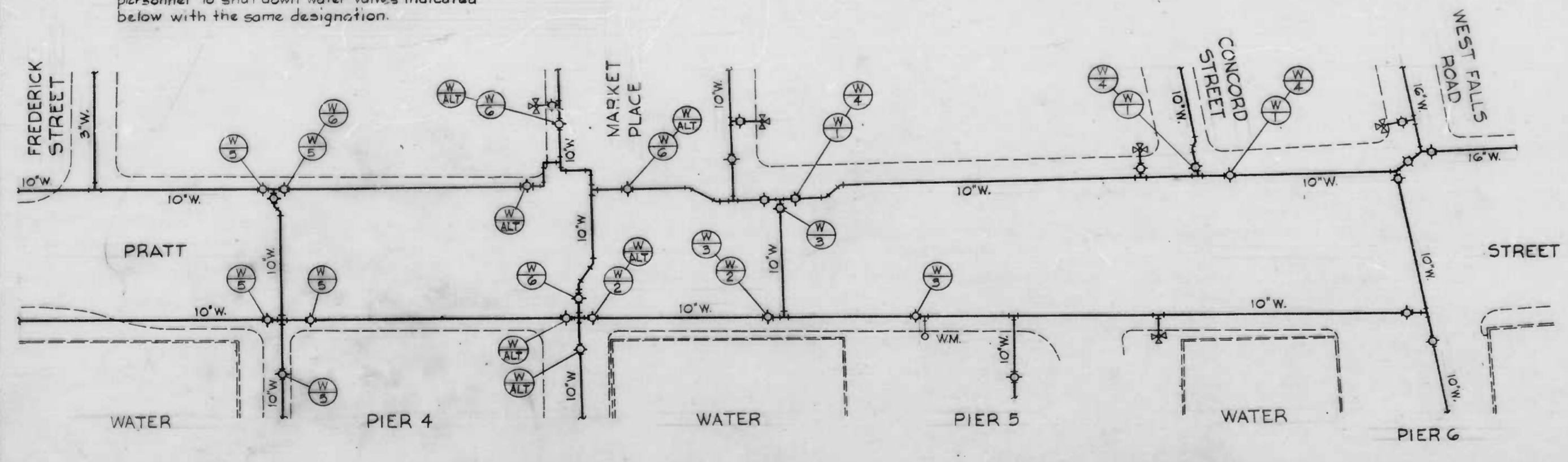


PROFILE EX. MANHOLE TO MH 20



PROFILE MH 21 TO MH 22

Note:
Water Main Construction indicated by Designation (W) on Plan Sheet 12 will require Baltimore City personnel to shut down water valves indicated below with the same designation.



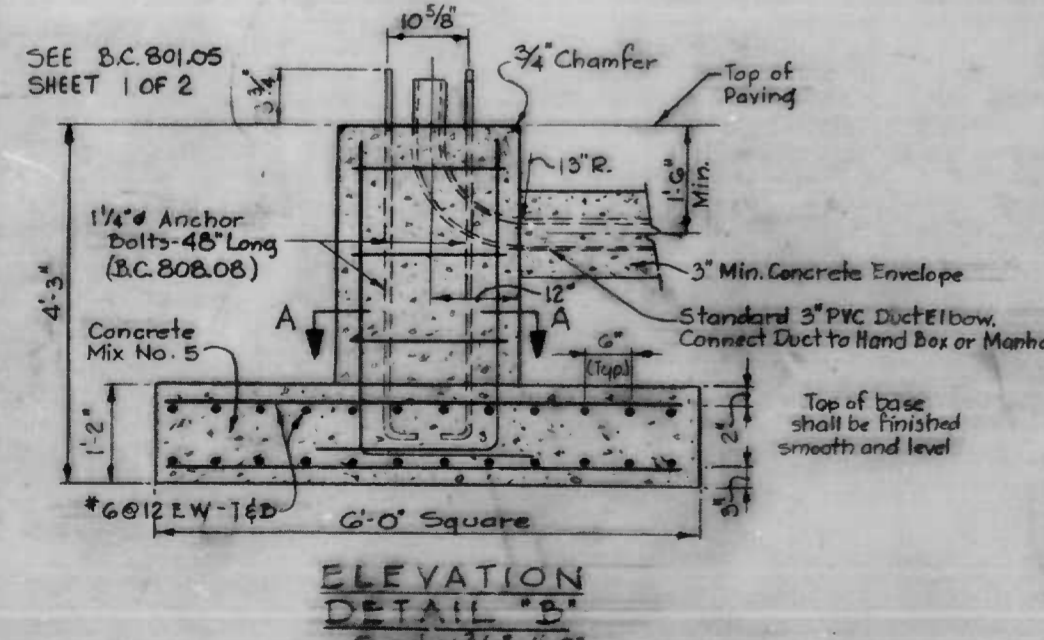
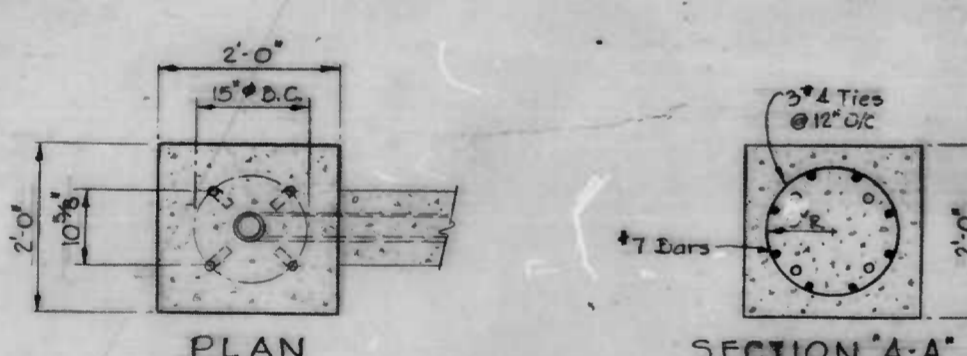
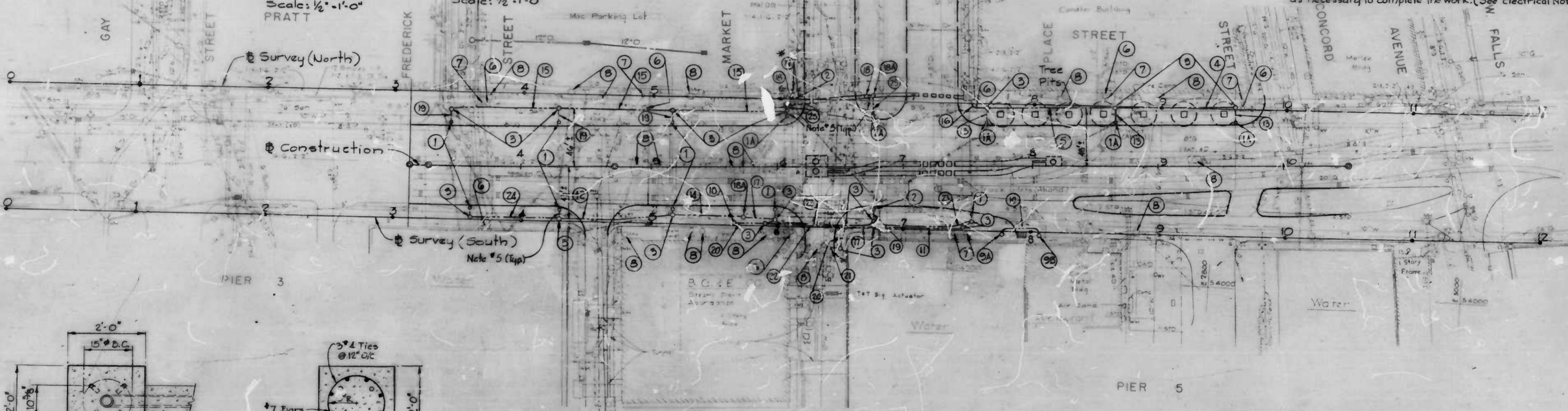
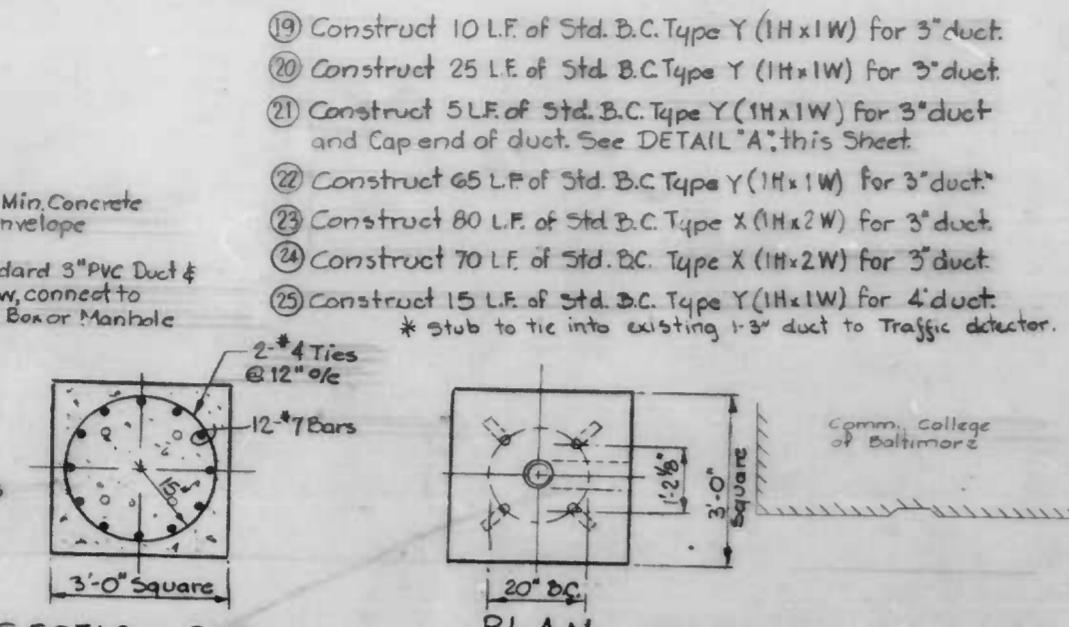
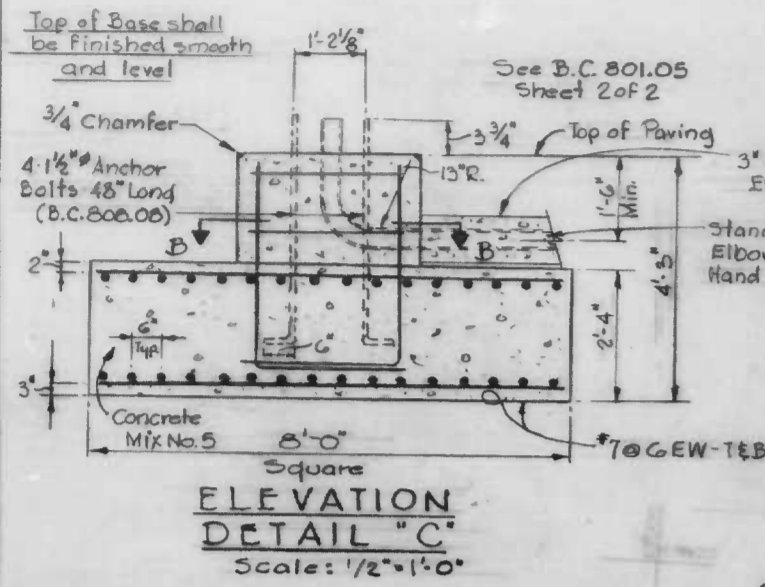
WATER VALVE SHUTDOWN DIAGRAM NOT TO SCALE

DATE	BY	CHK.	APP.

REVISIONS CONSULTANT WHITMAN, REQUARDT AND ASSOCIATES ENGINEERS 2315 ST. PAUL STREET BALTIMORE, MD. 21218	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS & STATE HIGHWAY ADMINISTRATION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY	
	PRATT STREET PIER 3 TO CONCORD STREET SANITARY SEWER PROFILES AND WATER DETAILS	DRAWN BY: S.L. FADER TRACED BY: S.L. FADER F.A.P. NO.: IX 3012 (2) S.H.A. NO.: BC 311-24-815 BALTO. CITY NO. 2902
SCALE: HORIZ. 1"=40', VERT. 1"=10' DATE: OCT. 21, 1983	DES. BY: S.L. FADER CHK. BY: M.E. VOLKER	SHEET NO. 11 OF 20

DRAINAGE AND UTILITY CROSS REFERENCES

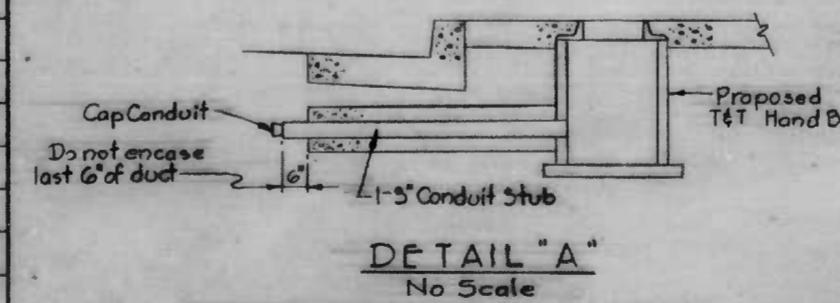
For Storm Drain and Sanitary Sewer Plan, See Sheet No. 8
 For Water Plan, Profiles and Details, See Sheet No. 12
 For Composite Storm Drain and Utility Plan, See Sheet No. 7



PROPOSED HAND BOX LOCATIONS			
Hand Boxes for Pole Locations Not Included			
	North	South	Offset
G+12	52'	5+65	46'
G+72	58'	5+73	44.5'
		5+92	46.5'
		G+50	67.5'
		G+54	50'
		7+46	50'
		7+77	56'
		8+06	57'

* All Stationing & Offset Distances ±

PROPOSED POLE STATIONING			
CONSTRUCTION			
	North Side	South Side	
	2+55 ± (Exist)	2+85 ± (Exist)	
	3+46	3+61	
	4+29	4+29	
	5+15	5+20	
	G+06	G+00	
	G+77	G+77	
	7+65	7+53	
	8+66		
	9+62		
	G+15.64 @ 55.5' North		



PLAN Scale: 1" = 40'

DETAIL "A" No Scale

- 1 Construct Std. Roadway Pedestal Base B.C. 801.05, Sheet 1 of 2.
- 1A Construct Roadway Pedestal Base, See DETAIL "B", this Sheet.
- 2 Construct Std. Roadway Pedestal Base B.C. 801.05, Sheet 2 of 2.
- 2A Construct Roadway Pedestal Base, See DETAIL "C", this Sheet.
- 3 Construct Std. Hand Box B.C. 804.01. (See Electrical Note 5).
- 4 Construct 95 LF of Std. B.C. Type X (1Hx2W) for 2-3" Duct.
- 5 Construct 101 LF of Std. B.C. Type X (1Hx2W) for 2-3" Duct.
- 6 Remove Concrete Street Light Base.
- 7 Replace Existing Hand Box Frame & Cover and adjust to Proposed Grade Lines.
- 8 Replace Existing Manhole Frame & Cover and adjust to Proposed Grade Lines.
- 9A Construct Std. Hand Box B.C. 804.01 Over Existing 1-3" Duct, Making Adjustments to Existing Duct as Necessary to Complete the Work (See Electrical Note 2).

ELECTRICAL CONSTRUCTION NOTES

DISTRICT	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD.	IX-3012 (2)	13	20

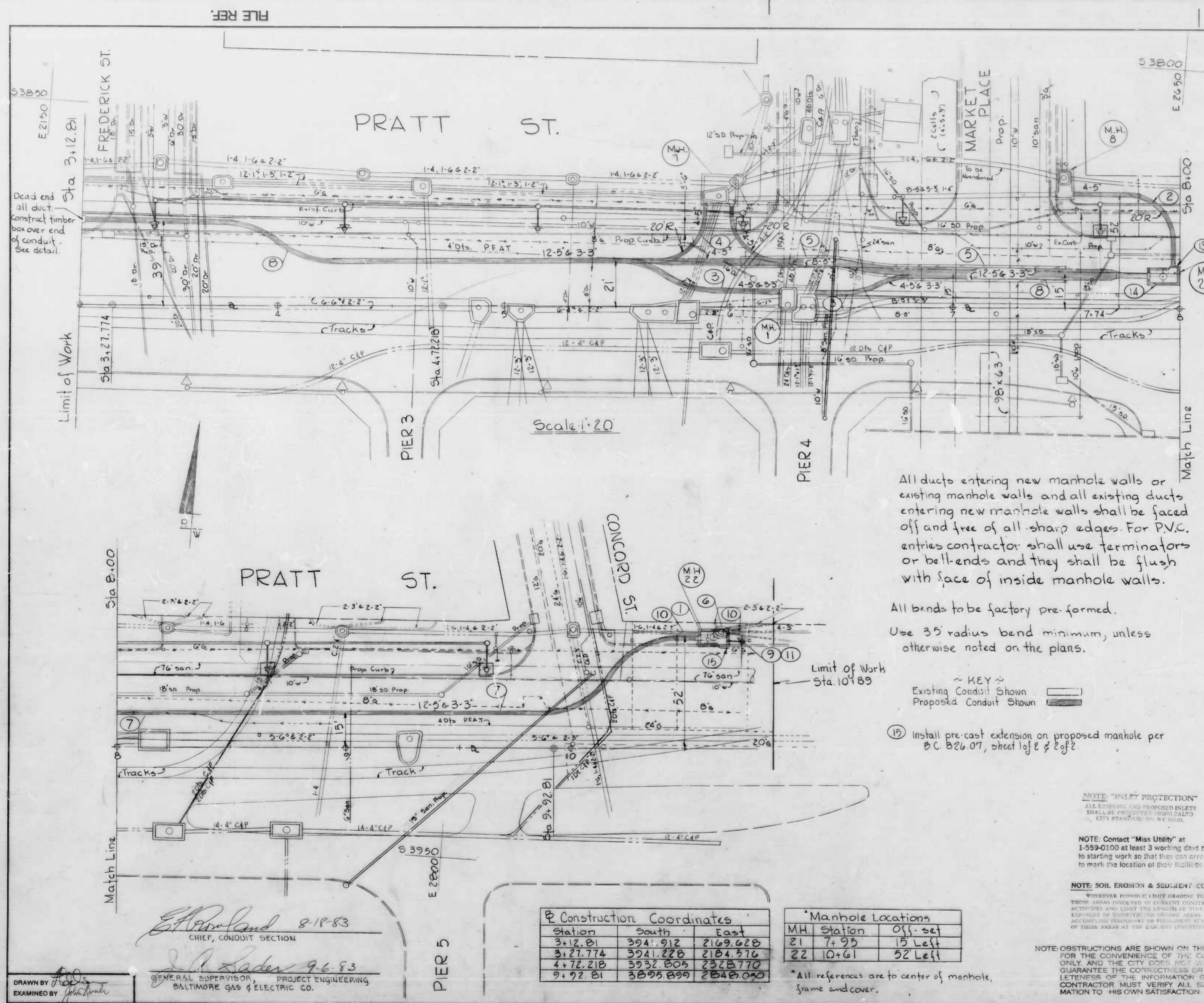
- 10 Construct 40 LF of Std. B.C. Type Y (1Hx1W) for 1-3" duct between 8A and 8B, avoiding new mcht. After existing street light circuit has been temporarily de-energized (Verify); remove the existing 1-3" duct between 8A and 8B and construct new mcht.
- 11 Construct 70 LF of Std. B.C. Type Y (1Hx1W) for 3" Duct.
- 12 Construct 90 LF of Std. B.C. Type X (1Hx2W) for 3" Duct.
- 13 Construct 15 LF of Std. B.C. Type Y (1Hx1W) for 3" Duct.
- 14 Construct 55 LF of Std. B.C. Type X (1Hx2W) for 3" Duct.
- 15 Construct 85 LF of Std. B.C. Type Y (1Hx1W) for 3" Duct.
- 16 Construct 20 LF of Std. B.C. Type X (1Hx2W) for 3" Duct.
- 17 Construct 25 LF of Std. B.C. Type X (1Hx2W) for 3" Duct.
- 18A Construct Std. Hand Box B.C. 804.01 on existing duct line, connecting into existing 1-3" duct, No. 18 for Transit and Traffic 1-3" duct, and No. 18A for Street Lighting 1-3" duct, and making adjustments to existing duct as necessary to complete the work. (See Electrical Note 2).

ELECTRICAL NOTES

- 1 Provide 1/2" Expansion Joints Around all Hand Box and Pole Bases.
- 2 All Conduit new and/or Existing, Between new and/or Existing Hand Boxes Shall be Rodded to Provide a Clean Conduit and a 1/4" Nylon Cord with a tensile strength of 400# shall be pulled thru and left in place.
- 3 All Ducts Shall be PVC, Type DB 120, conforming to ANSI/ASTM F-512, Current Edition, and Shall be encased in concrete as per Std. B.C. 824.01.
- 4 Typical Duct Spacers Shall be Placed at Each Joint and Every Five (5) Feet Thereafter.
- 5 Provide 1-3 inch duct, concrete encased between all new Hand Boxes and Roadway Pedestal connections, between all new Hand Box to Hand Box locations and between Manhole and Hand Box locations, unless otherwise indicated.
- 6 New street light bases to be installed 2'-2" behind new curb EXCEPT at Sta G+06. That base is to be installed 5'-6" back of new curb.

REVISIONS	CONSULTANT WHITMAN, REQUARDT AND ASSOCIATES ENGINEERS 2315 ST. PAUL STREET BALTIMORE, MD. 21218	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS	STATE HIGHWAY ADMINISTRATION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY
		PRATT STREET PIER 3 TO CONCORD STREET ELECTRICAL PLAN	DRAWN BY J. DIMARCO/W. FEIGLEY TRACED BY J. DIMARCO/W. FEIGLEY F.P.R. NO. IX 302 (2) S.H.A. NO. BC 311-24-815 BALTO. CITY NO. 2902
		SCALE: 1" = 40'	DATE: OCT. 21, 1983
			SHEET NO. 13 of 20

REVISIONS			
NO.	DESCRIPTION	DATE	BY



Conduit Notes

- ① Install one (1) 6" x 12" x 9" hr. Poured in Place manhole per B.C. B25.02 as shown.
- ② Construct 4-5 ducts from manhole *8 to manhole *21 as shown.
- ③ Divert 4-5 x 3-3 ducts (Nos 9, 10, 11, 12, 13, 14, 15) in and out of manhole *1 as shown.
- ④ Divert 4-5 ducts (Nos 5, 6, 7, 8) in and out of manhole *7 as shown.
- ⑤ Construct 6" reinforced slab per B.C. B24.08. For limits see profile.
- ⑥ Remove existing manhole.
- ⑦ Construct 12-5 x 3-3 ducts from manhole *21 to manhole *22 as shown.
- ⑧ Construct 12-5 x 3-3 ducts from manhole *21, dead-end and cap at Sta. 3+12.81. Diversions and transitions as shown on plan, profile and details.
- ⑨ Remove existing light pole base. Install new pole base at sta. 10+75 per B.C. B01.01.
- ⑩ Lower existing ducts into new manhole as required
- ⑪ Install 1-3 duct from manhole to pole base
- ⑫ Install pre-cast recessed extension per B.C. B26.07, sheet 1 of 2.
- ⑬ Install pre-cast manhole (6" x 12" x 9" H.B.) per B.C. B26.03.

All ducts entering new manhole walls or existing manhole walls and all existing ducts entering new manhole walls shall be faced off and free of all sharp edges. For P.V.C. entries contractor shall use terminators or bell-ends and they shall be flush with face of inside manhole walls.

All bends to be factory pre-formed.
Use 35' radius bend minimum, unless otherwise noted on the plans.

- ~ KEY ~
Existing Conduit Shown
Proposed Conduit Shown
- ⑭ Install pre-cast extension on proposed manhole per B.C. B26.07, sheet 1 of 2 & 2 of 2.

Notes: All ducts will be P.V.C. 90° C. wire, D.B. 120, encased in concrete.
1/4" nylon line with a minimum tensile strength of 400 lbs. shall be left in all ducts as pull lines.
See manhole details for all duct entries.

NOTE: "INLET PROTECTION"
ALL EXISTING AND PROPOSED INLETS SHALL BE PROVIDED WITH BALTO CITY STANDARD 500 H.C. SEAL.

NOTE: Contact "Miss Utility" at 1-559-0100 at least 3 working days prior to starting work so that they can arrange to mark the location of their facilities.

NOTE: SOIL EROSION & SEDIMENT CONTROL
WHenever possible limit grading to 2% or less. Those areas provided by current construction activities and limit the length of time of exposure of disturbed or erodible areas. Accumulate temporary or permanent vegetation of these areas at the earliest opportunity.

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.

E. P. Rowland 8-18-83
CHIEF, CONDUIT SECTION

J. R. Sader 9-6-83
GENERAL SUPERVISOR, PROJECT ENGINEERING
BALTIMORE GAS & ELECTRIC CO.

Construction Coordinates		
Station	South	East
3+12.81	394.912	2169.628
3+21.774	394.228	2184.576
4+72.218	393.805	2328.770
9+92.81	3895.899	2848.040

Manhole Locations		
M.H.	Station	Off-set
21	7+95	15 Left
22	10+61	52 Left

*All references are to center of manhole, frame and cover.

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
DIVISION OF ENVIRONMENTAL SERVICES

CONTRACT No 2902
PRATT STREET
PIER 3 TO CONCORD STREET
CONDUIT SYSTEM PLAN

SCALE AS SHOWN
CONDUIT SECTION

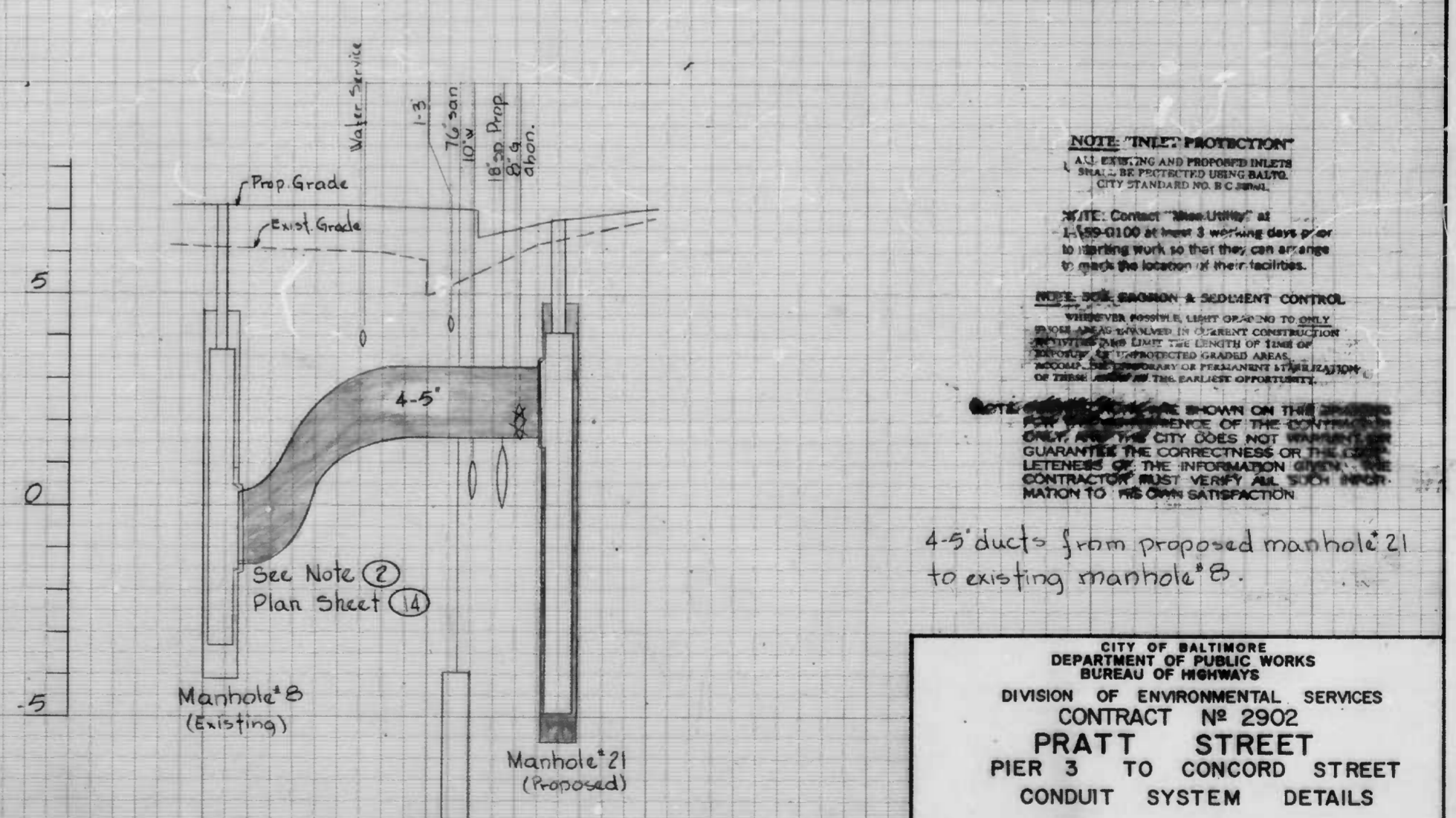
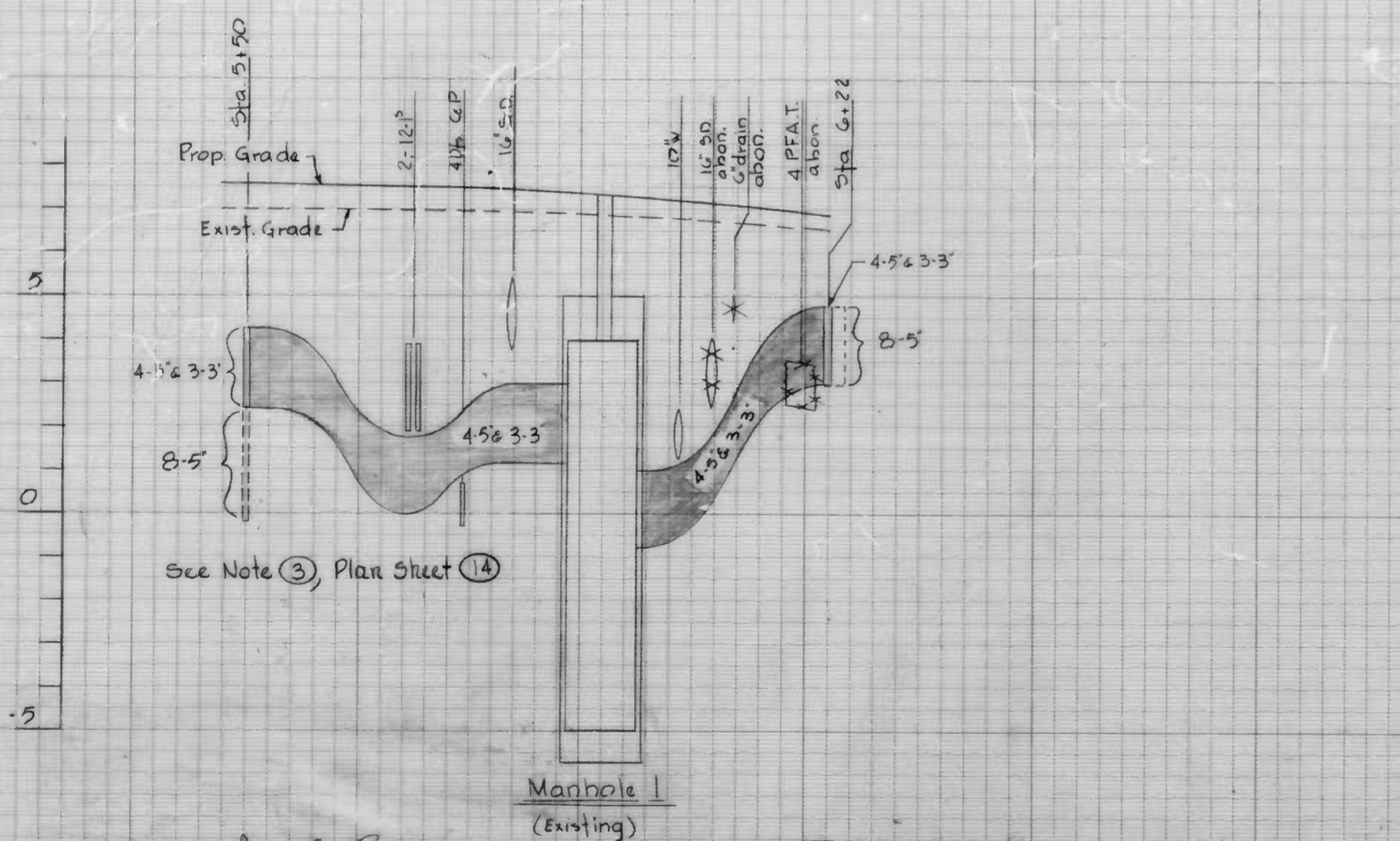
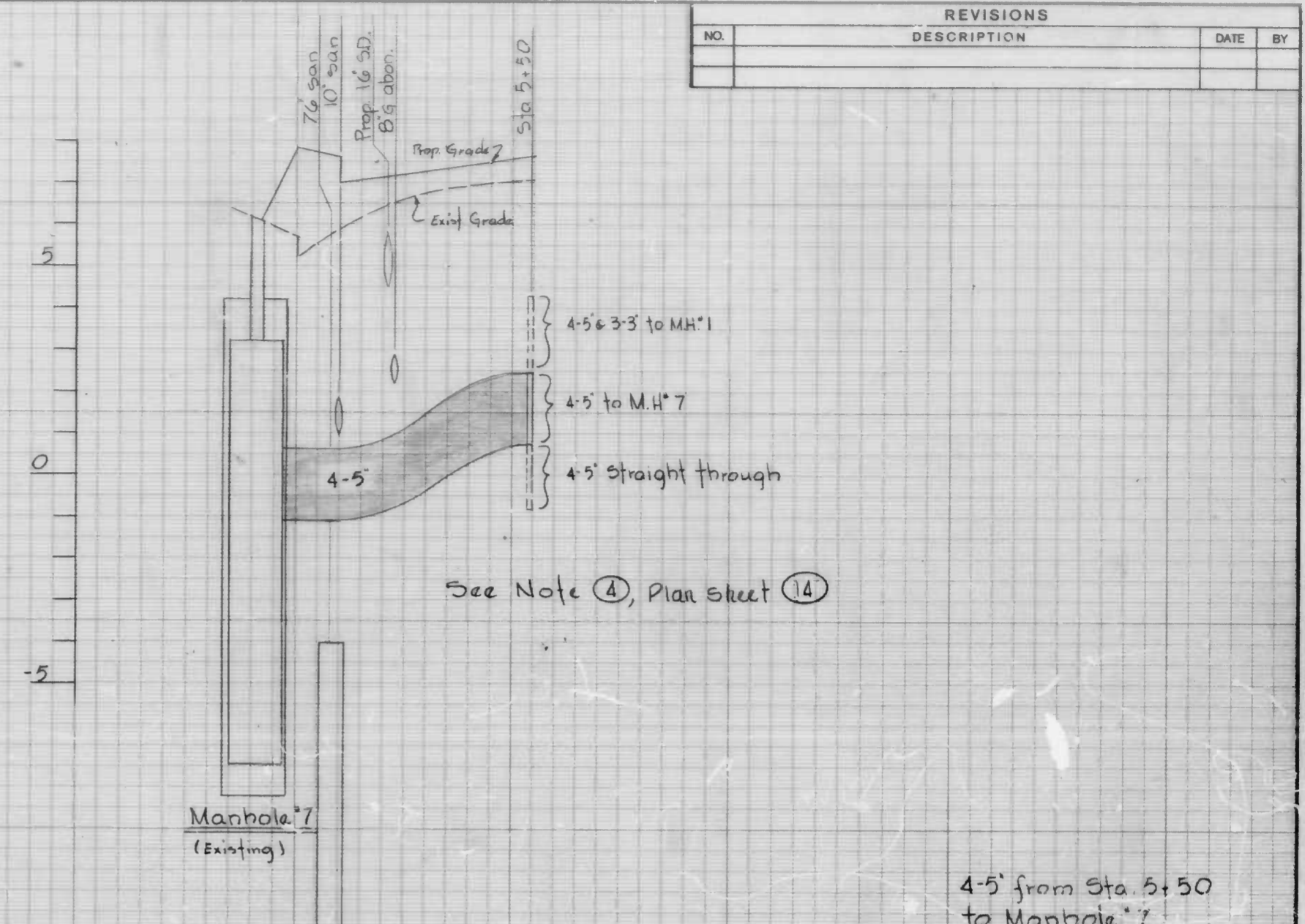
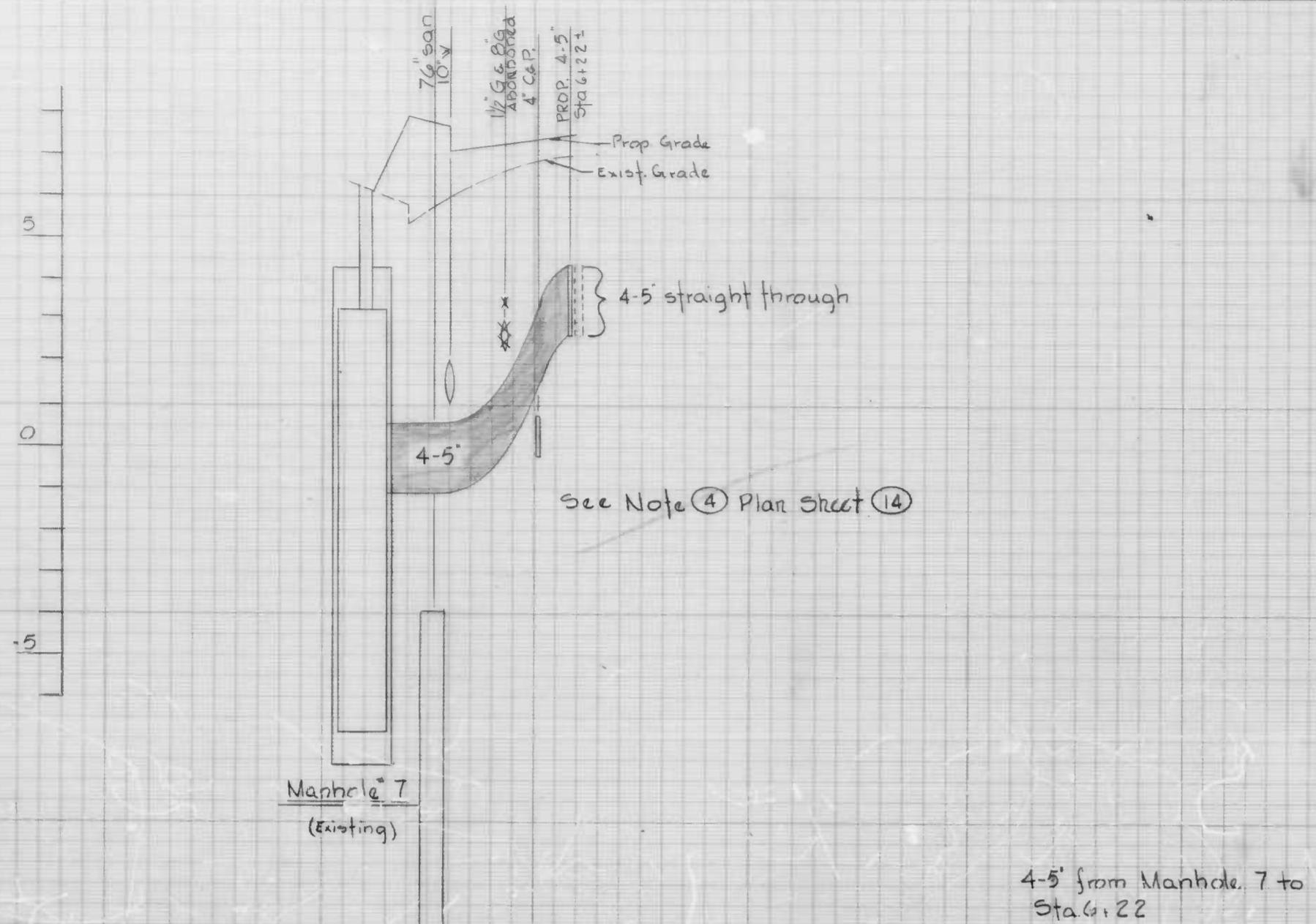
DATE OCT. 21, 1983
SHEET 14 OF 20

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

FILE REF.

FILE REF.

REVISIONS			
NO.	DESCRIPTION	DATE	BY



NOTE: "INLET" PROTECTION
ALL EXISTING AND PROPOSED DUCTS SHALL BE PROTECTED USING BALTO. CITY STANDARD NO. B.C. 2001.

NOTE: Contact "Man Utility" at 1-800-610-0100 at least 3 working days prior to starting work so that they can arrange to mark the location of their facilities.

NOTE: SOIL EROSION & SEDIMENT CONTROL
WHEREVER POSSIBLE, LIMIT OPENING TO ONLY DUCTS AREAS INVOLVED IN CURRENT CONSTRUCTION. PROTECT OPEN ENDS THE LENGTH OF TIME OF EXPOSURE BY UNPROTECTED GRADED AREAS. MAINTAIN PROPERLY THE TREATMENT UTILIZATION OF THESE AREAS AT THE EARLIEST OPPORTUNITY.

NOTE: ALL UTILITIES SHOWN ON THE DRAWING ARE THE RESPONSIBILITY OF THE CONTRACTOR. 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.

4-5' ducts from proposed manhole #21 to existing manhole #B.

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
DIVISION OF ENVIRONMENTAL SERVICES
CONTRACT # 2902
PRATT STREET
PIER 3 TO CONCORD STREET
CONDUIT SYSTEM DETAILS

SCALE AS SHOWN
CONDUIT SECTION
DATE OCT. 21, 1983
SHEET 16 OF 20

FILE REF.

Drawn By
Examined By

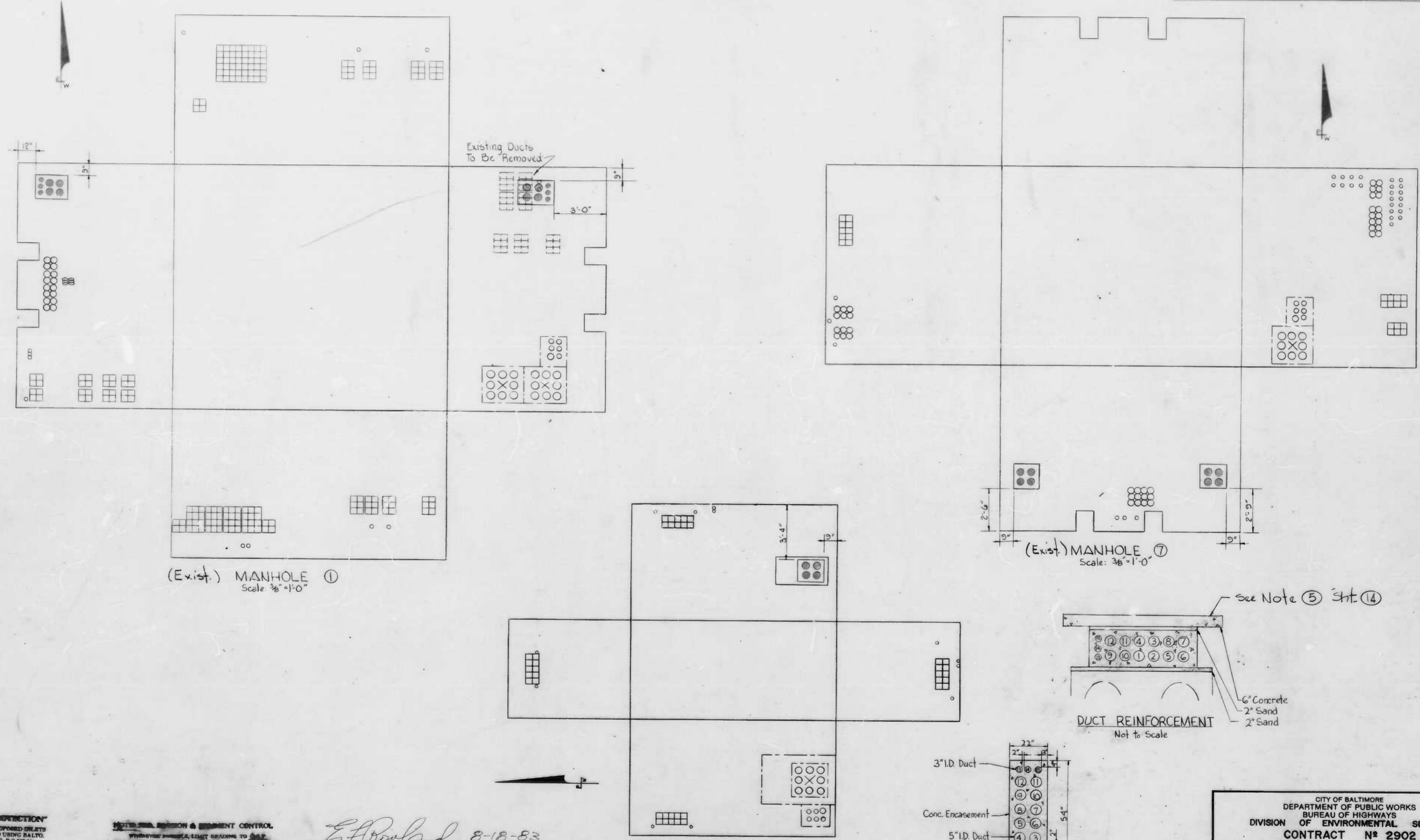
J. S. Sader 9-6-83
GENERAL SUPERVISOR, PROJECT ENGINEERING
BALTIMORE GAS & ELECTRIC CO.

E. J. ... 8-18-83
CHIEF, CONDUIT SECTION

Duct diversions (4-5' & 3-3')
To and from Manhole #1

FILE REF.

REVISIONS			
NO.	DESCRIPTION	DATE	BY



NOTE: TRAFFIC PROTECTION
ALL EXISTING AND PROPOSED INLETS SHALL BE PROTECTED USING RALTO, CITY STANDARD NO. 8-C 1974.

NOTE: CONTACT "Miss Utility" at 1-588-0100 at least 3 working days prior to starting work so that they can arrange to mark the location of their facilities.

DRAWN BY David A. Wolinski
EXAMINED BY [Signature]

NOTE: THE POSITION & ELEVATION CONTROL
POINTS SHOWN ON THIS DRAWING FOR THE CONSTRUCTION OF THE CONDUIT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. 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.

E. Paul 8-18-83
CHIEF, CONDUIT SECTION

J. A. Ladin 9-6-83
GENERAL SUPERVISOR, PROJECT ENGINEERING
BALTIMORE GAS & ELECTRIC CO.

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
DIVISION OF ENVIRONMENTAL SERVICES
CONTRACT N^o 2902
PRATT STREET
PIER 3 TO CONCORD STREET
CONDUIT SYSTEM DETAILS

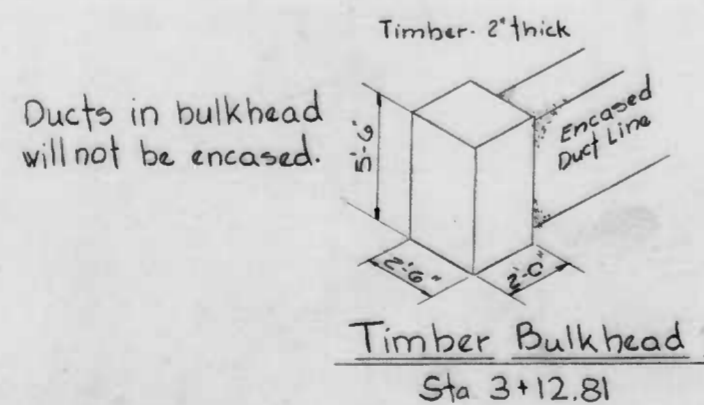
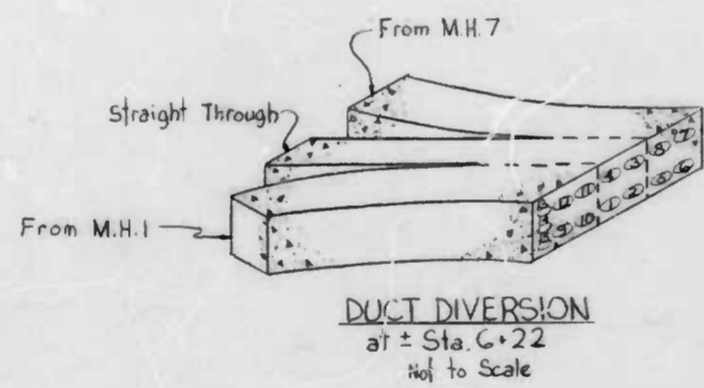
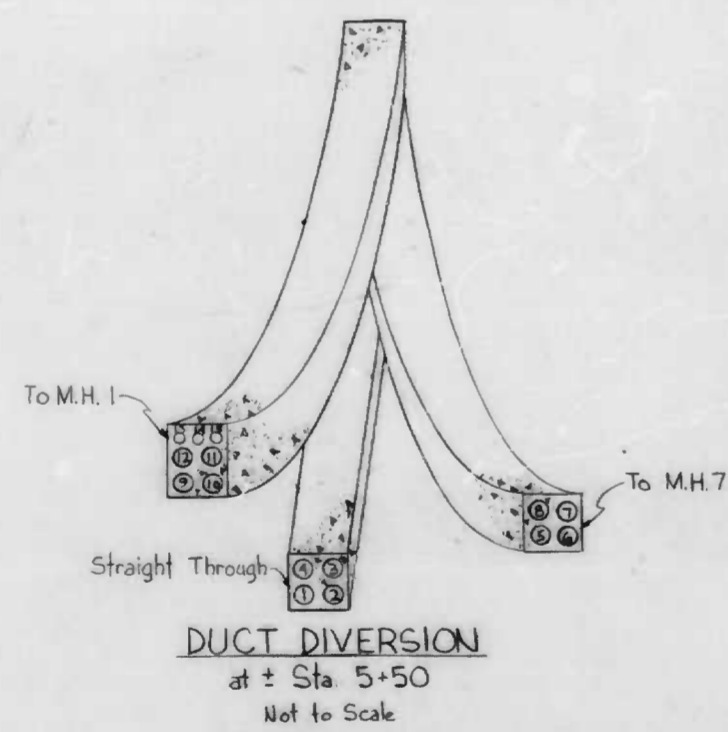
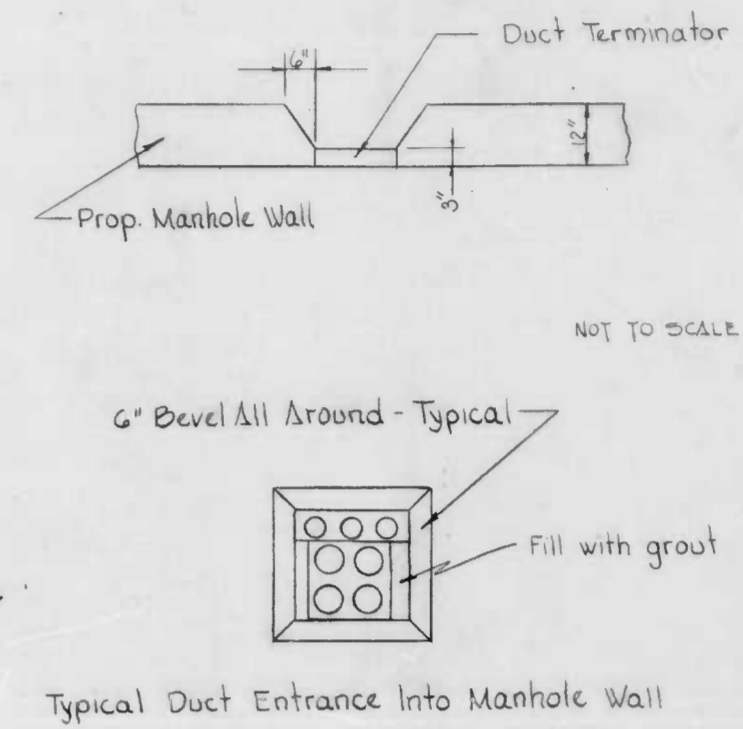
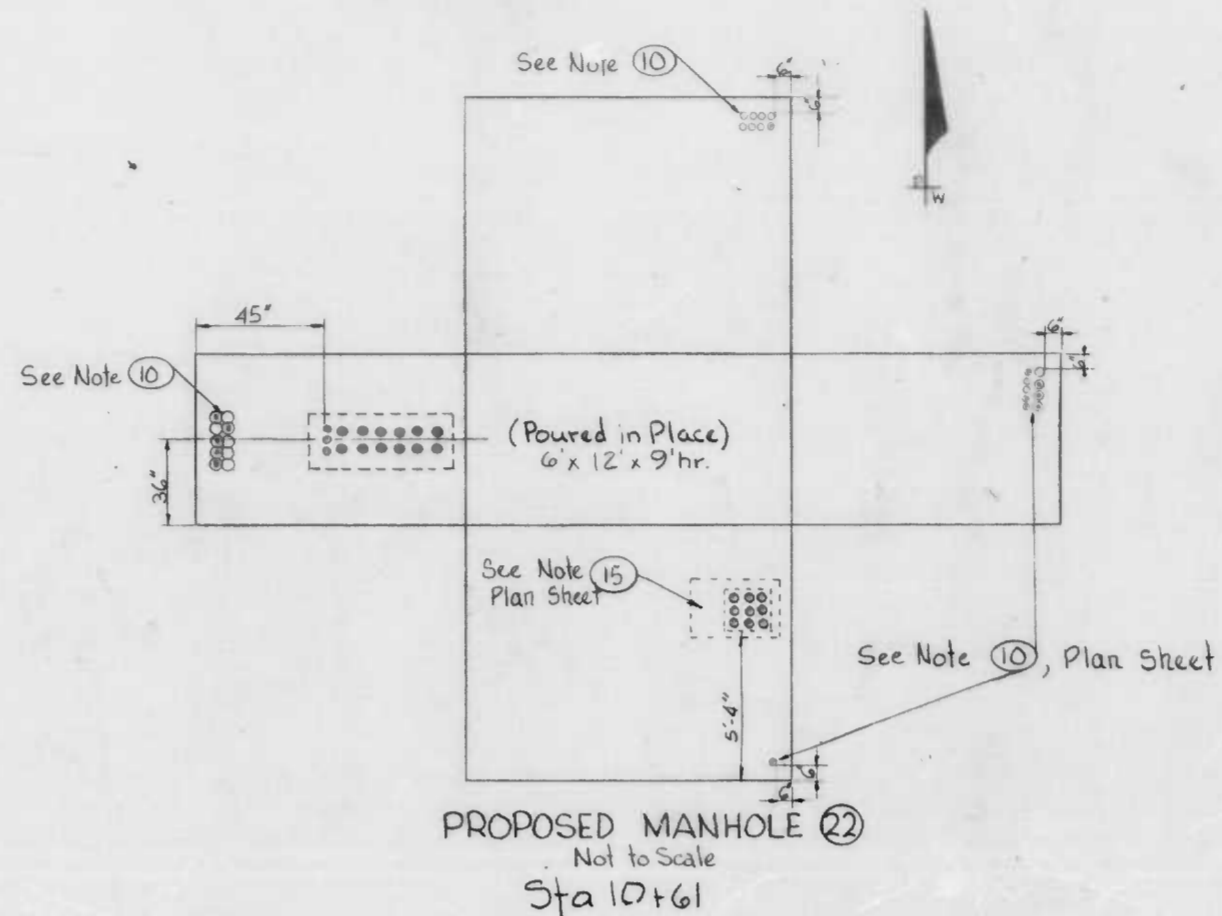
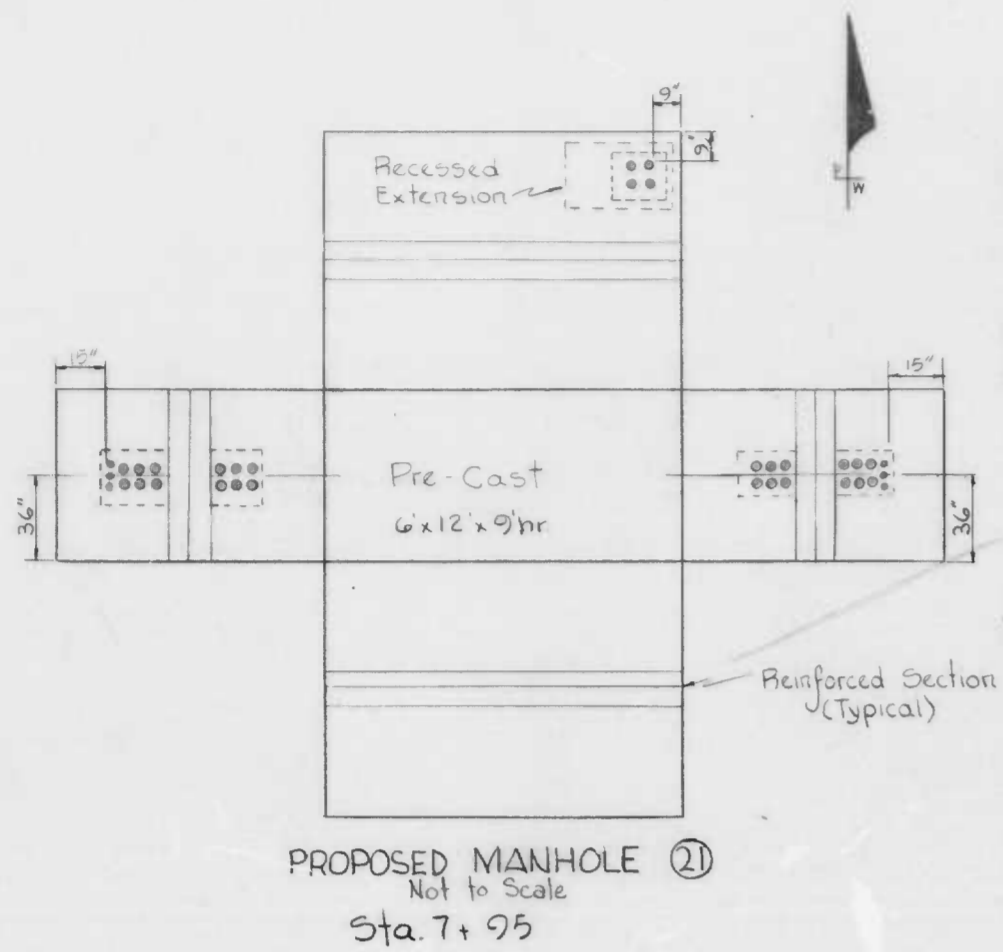
SCALE AS SHOWN
CONDUIT SECTION

DATE: OCT 21, 1983
SHEET 17 OF 20

FILE REF.

FILE REF.

REVISIONS			
NO.	DESCRIPTION	DATE	BY



NOTE: "INLET PROTECTION"
ALL EXISTING AND PROPOSED INLETS SHALL BE PROTECTED USING BALTO CITY STANDARD No. B.C. 500.01.

NOTE: CONTACT "WATER UTILITY" at 1-559-0100 at least 3 working days prior to starting work if they can arrange to mark the location of their facilities.

NOTE: SEE SPECIFICATIONS FOR EROSION CONTROL.
PREFERABLE TO BEST PRACTICES TO ONLY THOSE AREAS AFFECTED BY CURRENT CONSTRUCTION ACTIVITIES AND LIMIT THE LENGTH OF TIME OF EXPOSURE OF UNPROTECTED GRADED AREAS. ACCORDING TO TEMPORARY OR PERMANENT STABILIZATION OF THESE AREAS AT THE EARLIEST OPPORTUNITY.

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.

- Key**
- Proposed duct
 - Existing duct to be lowered
 - ⊙ Existing occupied duct to be lowered

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
DIVISION OF ENVIRONMENTAL SERVICES
CONTRACT No. 2902
PRATT STREET
PIER 3 TO CONCORD STREET
CONDUIT SYSTEM DETAILS

SCALE AS SHOWN
CONDUIT SECTION
DATE OCT. 21, 1983
SHEET 18 OF 20

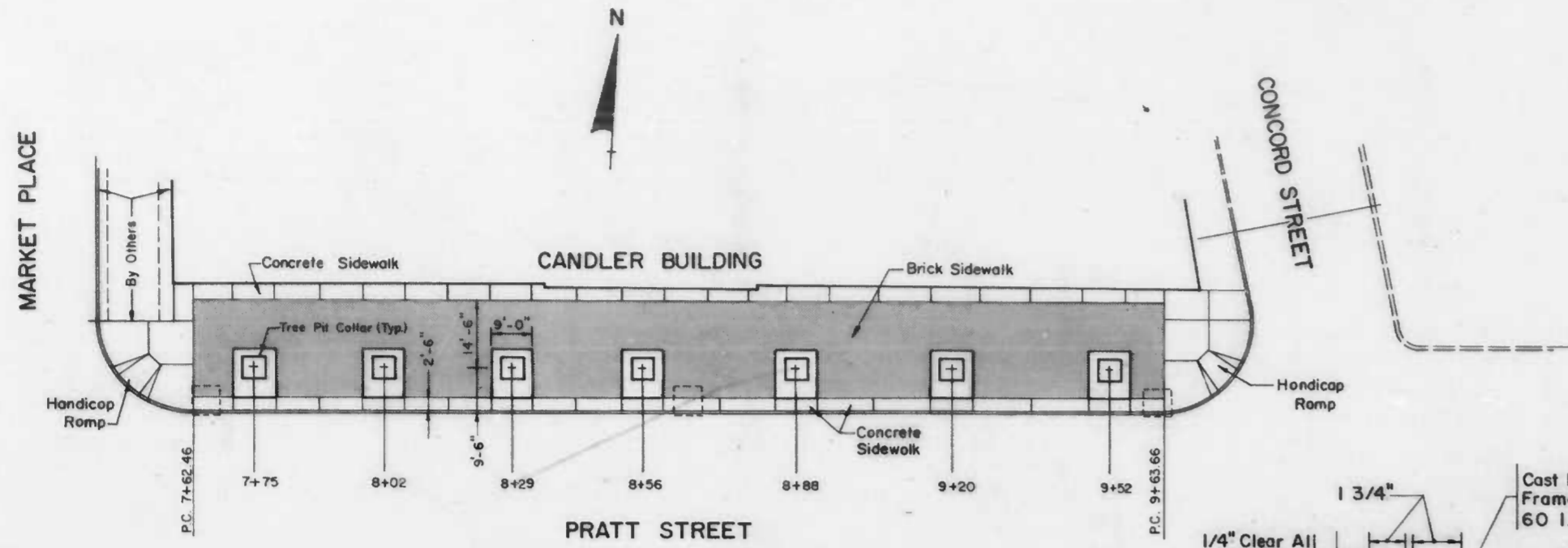
E. J. P. [Signature] 8-18-83
CHIEF, CONDUIT SECTION

J. A. Sade 9-6-83
GENERAL SUPERVISOR, PROJECT ENGINEERING
BALTIMORE GAS & ELECTRIC CO.

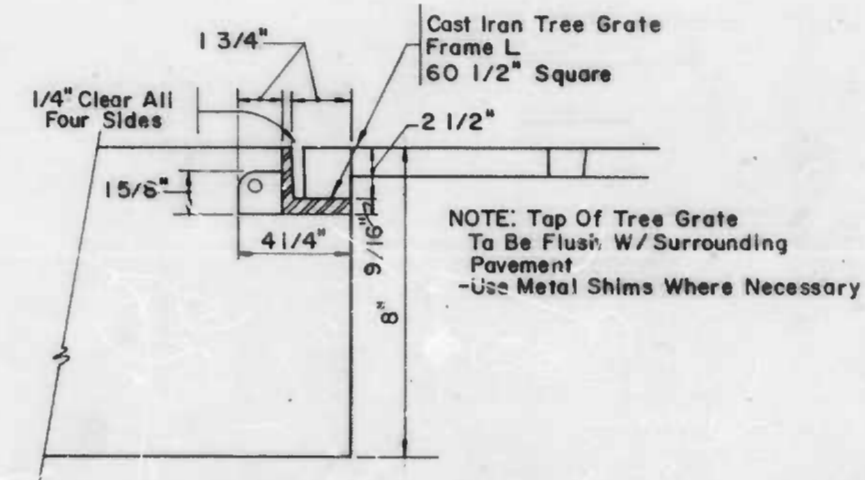
DRAWN BY: David A. Wojtasik
EXAMINED BY: [Signature]

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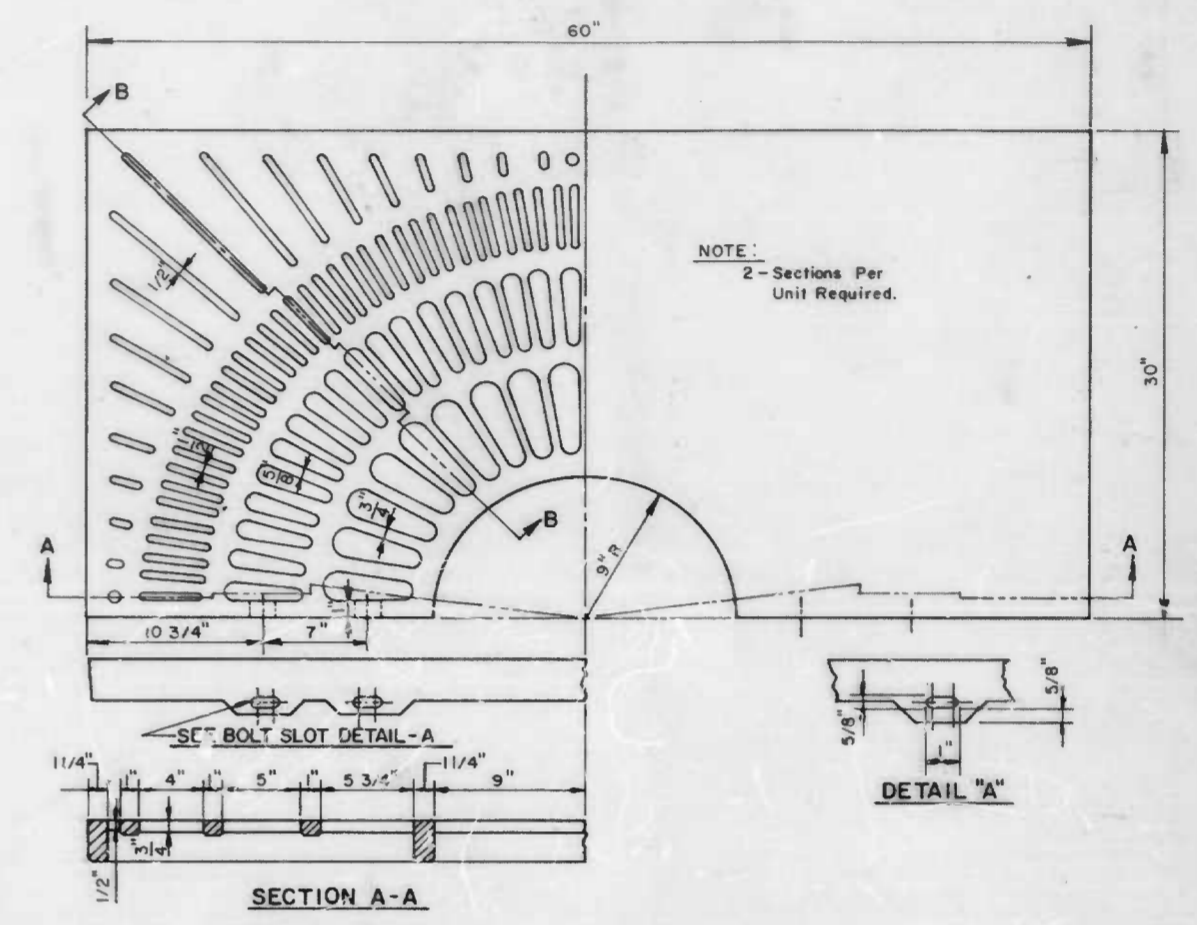
FED. REGION	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD.	IX-3012(2)	19	20



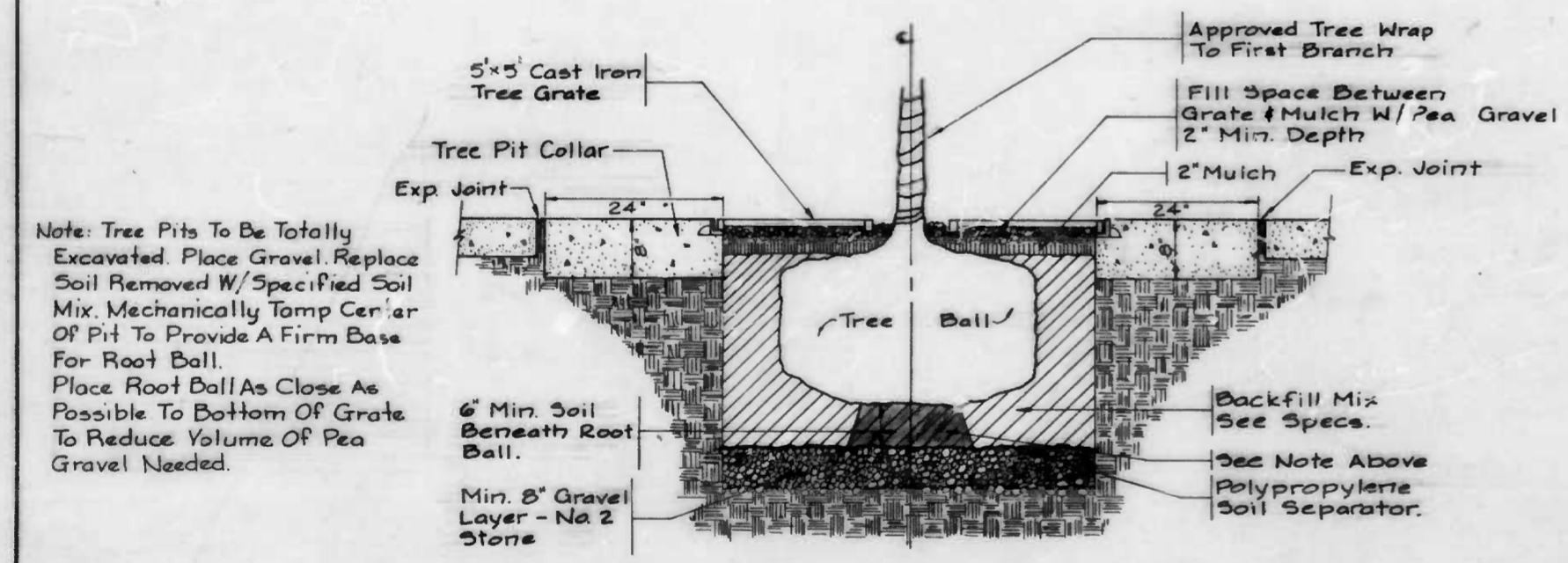
TREE PIT AND SIDEWALK LAYOUT



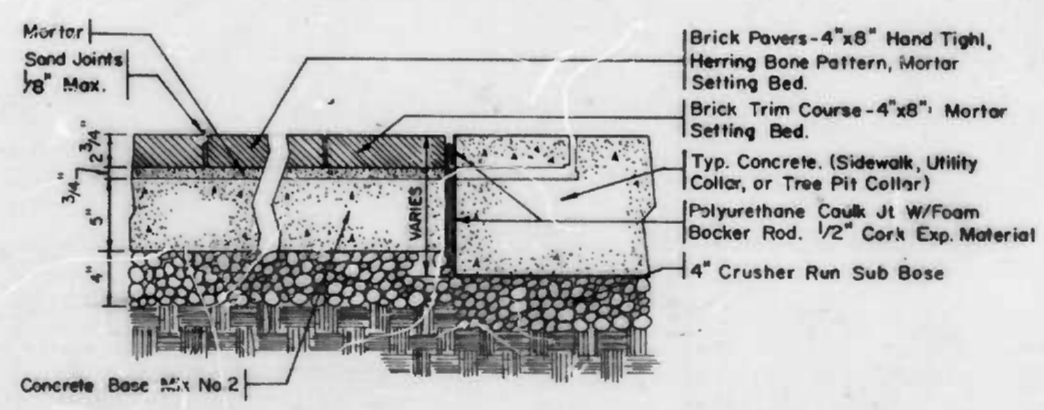
TREE GRATE FRAME COLLAR



SECTION A-A



TREE PIT SECTION



BRICK PAVEMENT

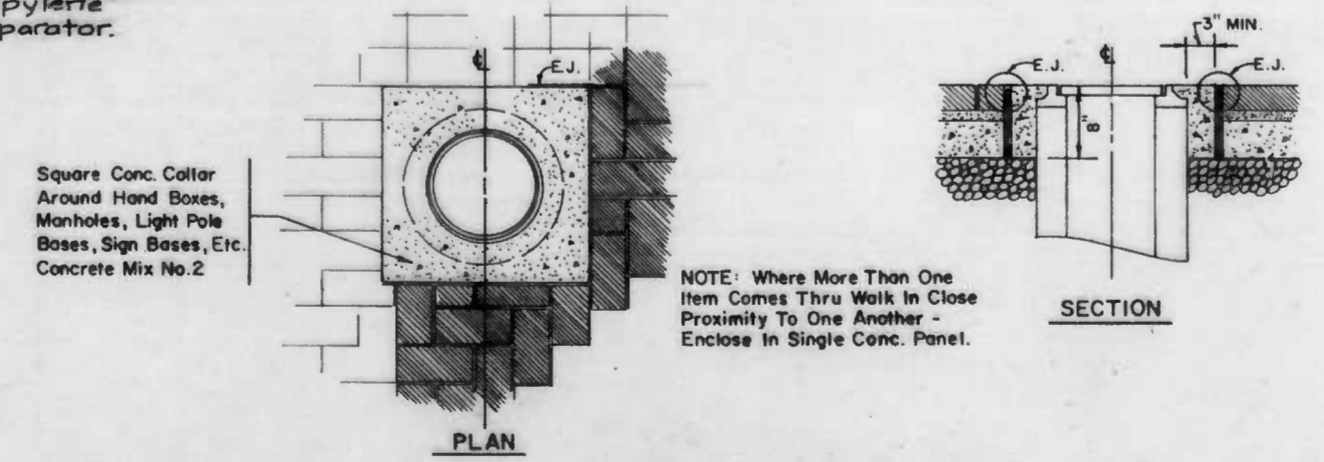


SECTION B-B

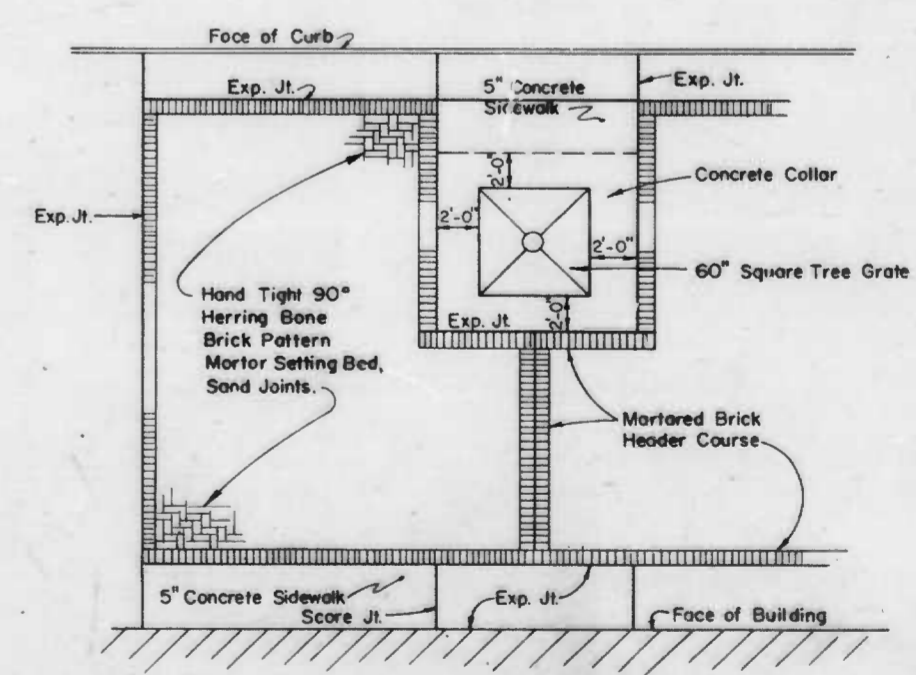
TREE GRATE

PLANT LIST

QUANTITY	BOTANICAL NAME / COMMON NAME	SIZE	REMARKS
7	Acer Rubrum 'Red Sunset' Red Sunset Maple	3 1/2" Cal. 15-17' ht.	B&B



UTILITY COLLAR



TYPICAL LAYOUT

REVISIONS WHITMAN, REQUARDT AND ASSOCIATES ENGINEERS 2315 ST. PAUL STREET BALTIMORE, MD. 21218	CONSULTANT CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS & STATE HIGHWAY ADMINISTRATION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY
	PRATT STREET PIER 3 TO CONCORD STREET PLANTING PLAN AND DETAILS
DRAWN BY: W. FEIGLEY TRACED BY: W. FEIGLEY F.A.P. NO.: IX 3012 (2) S.H.A. NO.: BC 311-24-815	DES. BY: S.L. FADER CHK. BY: A.H. BOLDTMAN SHEET NO. 19 OF 20
SCALE: NONE	DATE: OCT. 21, 1983 BALTO. CITY NO. 2902

WR & A	CIVIL	ARCH	STRUCT	MECH	ELECT
check					
DWT					

SUMMARY OF QUANTITIES

FHWA REGION	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD.	IX-3012 (2)	20	20

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	CONTINGENT QUANTITY	PROPOSAL QUANTITY
CATEGORY 1 - LUMP SUM ITEMS					
101	CONSTRUCTION STAKEOUT	L.S.			LUMP SUM
102	ENGINEERS FACILITIES	L.S.			LUMP SUM
103	MOBILIZATION	L.S.			LUMP SUM
104	MAINTENANCE OF TRAFFIC	L.S.			LUMP SUM
105	REMOVAL OF EXISTING PAVEMENT MARKINGS	L.F.		2000	2000
106	TRAFFIC CONTROL SIGNING	S.F.	272		280
107	TRAFFIC CONTROL ARROW BOARD	U.D.		300	300
108	TRAFFIC CONTROL DRUMS	E.A.	30	20	50
109	TEMPORARY PAVEMENT STRIPING TAPE	L.F.		12000	12000
110	REMOVAL OF TEMPORARY PAVEMENT STRIPING TAPE	L.F.		4000	4000
111	ON THE JOB TRAINING	H.R.		1000	1000
112	TEMPORARY CONCRETE BARRIER	L.F.		1000	1000
113	RESET TEMPORARY CONCRETE BARRIER	L.F.		1000	1000
CATEGORY 2 - GRADING					
201	CLASS 1 - EXCAVATION	C.Y.	4167		4170
202	CLASS 1-A - EXCAVATION	C.Y.		200	200
203	SPECIAL EXCAVATION RAILWAY AREAS	C.Y.	912		950
204	SELECT BORROW EXCAVATION	C.Y.	3754		3800
205	CONTINGENT SELECT BORROW EXCAVATION	C.Y.		230	230
206	TEST PIT EXCAVATION	C.Y.		50	50
207	REMOVAL OF EXISTING MASONRY	C.Y.		50	50
CATEGORY 3 - DRAINAGE					
301	CLASS 3 EXCAVATION FOR INCIDENTAL CONSTRUCTION	C.Y.		50	50
302	SELECT BACKFILL USING NO. 6 AGGREGATE	C.Y.		30	30
303	SELECT BACKFILL USING CRUSHER RUN	C.Y.		30	30
304	15 IN. R.C. PIPE CLASS 4	L.F.	27		27
305	18 IN. R.C. PIPE CLASS 4	L.F.	176		176
306	15 IN. H.C. PIPE INLET CONNECTION CLASS 4	L.F.	126		126
307	12 IN. DUCTILE IRON PIPE CLASS 54	L.F.	10		10
308	16 IN. DUCTILE IRON PIPE CLASS 54	L.F.	264		284
309	REMOVAL OLD INLETS, ANY SIZE OR TYPE	E.A.	4		4
310	REMOVAL OLD MANHOLES, ANY SIZE OR TYPE	E.A.	2		2
311	STANDARD TYPE E COMBINATION INLET - V.D.	E.A.	2		2
312	STANDARD TYPE E COMBINATION INLET - V.D.	L.F.	43		9
313	STANDARD TYPE S INLET, SINGLE GRATE - M.D.	E.A.	9		9
314	STANDARD TYPE S INLET, SINGLE GRATE - V.D.	L.F.	10.3		11
315	STANDARD TYPE S INLET, DOUBLE GRATE TANDEM - M.D.	E.A.	1		1
316	STANDARD TYPE S INLET, DOUBLE GRATE TANDEM - V.D.	L.F.	3.3		4
317	MOD. TYPE S COMB. INLET, DOUBLE GRATE TANDEM - M.D.	E.A.	1		1
318	MOD. TYPE S COMB. INLET, DOUBLE GRATE TANDEM - V.D.	L.F.		1.0	
319	STANDARD STORM WATER MANHOLE, 30 IN. COVER - M.D.	E.A.	9		9
320	STANDARD STORM WATER MANHOLE - V.D.	L.F.	26.5		27
321	MIX NO. 2 CONCRETE FOR MISCELLANEOUS STRUCTURES	C.Y.		5	5
322	MIX NO. 3 CONCRETE FOR MISCELLANEOUS STRUCTURES	C.Y.		5	5
323	MIX NO. 1 CONCRETE FOR MISCELLANEOUS STRUCTURES	C.Y.		5	5
324	COMMON BRICK MASONRY FOR MISC. STRUCTURES	C.Y.	3		10
325	SEWER BRICK MASONRY	C.Y.		5	5
326	UTILITY TRENCH UNDERDRAIN	L.F.		100	100
327	6 IN. PERFORATED CIRCULAR PIPE UNDERDRAIN	L.F.	240		300
328	AGGREGATE BACKFILL FOR UNDERDRAIN	C.Y.		10	10
329	REMOVAL OF OLD PIPE CULVERTS, 12 IN. AND OVER	L.F.		100	100

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	CONTINGENT QUANTITY	PROPOSAL QUANTITY
CATEGORY 5 - PAVEMENT					
501	6 IN. SUB-BASE USING CRUSHER RUN	S.Y.	6894		6900
502	3 IN. DENSE GR. STAB. AGGR. BASE COURSE W/ASPH. EMUL.	S.Y.	1572		1580
503	BITUMINOUS CONCRETE USING BAND SN/STONE	TON	184		190
504	BITUMINOUS CONCRETE USING BAND BI	TON	694		716
505	9 IN. REINFORCED CEMENT CONCRETE PAVEMENT	S.Y.	5236		5240
506	VARIABLE DEPTH SUBBASE USING CRUSHER RUN	TON		500	500
507	CALCIUM CHLORIDE	TON		5	5
508	CONSTRUCTION FABRIC	S.Y.	5325		5330
CATEGORY 6 - SHOULDERS					
601	BITUMINOUS CONCRETE CURB	L.F.	545		550
602	STANDARD TYPE A CURB 8 IN. x 17 IN.	L.F.	1158		1160
603	5 IN. CONCRETE SIDEWALK	SF	3004		3010
604	5 IN. EXPOSED CEMENT CONCRETE AGGR. SIDEWALK	SF	532		540
605	STD. TYPE A CONC. CURB & GUTTER, 12 IN. PAN, 8 IN. DEPTH	L.F.	50		50
606	BITUMINOUS CONCRETE SIDEWALK	S.F.	5337		5350
607	BITUMINOUS CONCRETE MEDIAN ISLANDS	S.F.	504		510
608	BITUMINOUS CONCRETE SLOPE STABILIZATION - 2" DEPTH	SF	3489		3500
609	TREE FRAME AND GRATE	E.A.	7		7
610	BRICK SIDEWALK	S.F.	3602		3610
CATEGORY 7 - ROADSIDE IMPROVEMENTS					
701	ACER RUBRUM, 3 1/2" - 4" CAL., 15-17 FT. HT. - B&B	E.A.	7		7
702	TOPSOIL FURNISHED & PLACED, 2 IN. DEPTH	S.Y.	396		400
703	SOLID SODDING	S.Y.	396		400
704	WATERING	M.G.		1	1
705	ABANDONED PLANTING PITS	C.F.		10	10
CATEGORY 8 - UTILITIES					
801	15 IN. R.C. PIPE CLASS 4/SANITARY	L.F.	144		144
802	8 IN. DUCTILE IRON PIPE CLASS 54/SANITARY	L.F.	78		78
803	10 IN. DUCTILE IRON PIPE AND FITTINGS, CLASS 54	L.F.	146	104	250
804	8 IN. FIRE HYDRANT AND VALVE	E.A.	1		1
805	JOIN VALVE AND VAULT	E.A.	5		5
806	REMOVE EX. WATER VALVE AND VALVE BOX, ANY SIZE	E.A.	5		5
807	STANDARD SANITARY MANHOLE, MIN. DEPTH	E.A.	2		2
808	STANDARD SANITARY MANHOLE, V.D.	L.F.	10.5		11
809	STANDARD OFFSET MANHOLE/SANITARY	E.A.	1		1
810	RECONSTRUCT SAN. AND STORMDRAIN MH STACKS	E.A.	1		1
811	ROADWAY PEDESTAL BASE BC 801.05 SHEET 1 OF 2	E.A.	8		8
812	ROADWAY PEDESTAL BASE - DETAIL B, PLAN SHEET B3	E.A.	4		4
813	ROADWAY PEDESTAL BASE BC 801.05 SHEET 2 OF 2	E.A.	2		2
814	ROADWAY PEDESTAL BASE - DETAIL C, PLAN SHEET B3	E.A.	1		1
815	HANDBOX - CONDUIT - DPW	E.A.	14		14
816	HANDBOX - CONDUIT - DTT	E.A.	9		9
817	CONDUIT LINE MANHOLE 6" x 12" x 9" HR. POURED IN PLACE	E.A.	1		1
818	CONDUIT LINE MANHOLE 6" x 12" x 9" PRECAST	E.A.	1		1
819	12-5 IN. AND 3-3 IN. PVC DUCT SECTION - VERTICAL	L.F.	425		425
820	12-5 IN. AND 3-3 IN. PVC DUCT SECTION - HORIZONTAL	L.F.	45		45
821	12-5 IN. PVC DUCT SECTION - VERTICAL	L.F.	25		25
822	TYPE R DUCT SECTION 8-5 IN. I.D. 2W x 4H	L.F.	100		100
823	TYPE L DUCT SECTION 8-5 IN. I.D. 4W x 2H	L.F.	75		75
824	6-5 IN. AND 3-3 IN. PVC DUCT SECTION - VERTICAL	L.F.	25		25
825	TYPE M DUCT SECTION 6-5 IN. I.D. 2W x 3H	L.F.	50		50
826	4-5 IN. AND 3-3 IN. PVC DUCT SECTION - VERTICAL	L.F.	170		170
827	4-5 IN. AND 3-3 IN. PVC DUCT SECTION - HORIZONTAL	L.F.	70		70
828	TYPE O DUCT SECTION 4-5 IN. I.D. 2W x 2H	L.F.	135		135
829	4-5 IN. PVC DUCT SECTION - HORIZONTAL	L.F.	40		40
830	TYPE X DUCT SECTION 2-5 IN. I.D. 2W x 1H	L.F.	25		25
831	TYPE P DUCT SECTION 3-3 IN. I.D. 3W x 1H	L.F.	25		25
832	TYPE X DUCT SECTION 2-3 IN. I.D. 2W x 1H	L.F.	650		650
833	TYPE Y DUCT SECTION 1-3 IN. I.D. 1W x 1H	L.F.	580		580
834	REPLACEMENT OF EXIST. MH FRAME AND COVER DPW	E.A.	18		18
835	REPLACEMENT OF EXIST. ELECT. HANDBOX FRAME & COVER DPW	E.A.	7		7
836	REPLACEMENT OF EXIST. ELECT. HANDBOX FRAME & COVER DTT	E.A.	1		1
837	ELECTRICAL MANHOLE STACK OR COLLAR DPW V.D.	L.F.		50	50
838	ELECTRICAL HANDBOX STACK OR COLLAR DPW V.D.	L.F.		10	10
839	ELECTRICAL HANDBOX STACK OR COLLAR DTT V.D.	L.F.		5	5
840	REMOVAL OF EXISTING LIGHT POLE BASE	E.A.	8		8
841	REINFORCED SLAB FOR DUCT LINE - 6 IN. THICK	S.Y.	125		125
842	TYPE Y DUCT SECTION 1-4 IN. I.D. 1W x 1H	L.F.	20		20

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	CONTINGENT QUANTITY	PROPOSAL QUANTITY
NON - PARTICIPATING (BALTO. GAS AND ELEC. CO.)					
CATEGORY 1 - LUMP SUM ITEMS					
106	TRAFFIC CONTROL SIGNING	S.F.	27		30
107	TRAFFIC CONTROL ARROW BOARD	U.D.		60	60
CATEGORY 8 - UTILITIES					
817	CONDUIT LINE MANHOLE 6" x 12" x 9" HR. POURED IN PLACE	E.A.	1		1
818	CONDUIT LINE MANHOLE 6" x 12" x 9" PRECAST	E.A.	1		1
819	12-5 IN. AND 3-3 IN. PVC DUCT SECTION - VERTICAL	L.F.	425		425
820	12-5 IN. AND 3-3 IN. PVC DUCT SECTION - HORIZONTAL	L.F.	45		45
821	12-5 IN. PVC DUCT SECTION - VERTICAL	L.F.	25		25
822	TYPE R DUCT SECTION 8-5 IN. I.D. 2W x 4H	L.F.	100		100
823	TYPE L DUCT SECTION 8-5 IN. I.D. 4W x 2H	L.F.	75		75
824	6-5 IN. AND 3-3 IN. PVC DUCT SECTION - VERTICAL	L.F.	25		25
825	TYPE M DUCT SECTION 6-5 IN. I.D. 2W x 3H	L.F.	50		50
826	4-5 IN. AND 3-3 IN. PVC DUCT SECTION - VERTICAL	L.F.	170		170
827	4-5 IN. AND 3-3 IN. PVC DUCT SECTION - HORIZONTAL	L.F.	70		70
828	TYPE O DUCT SECTION 4-5 IN. I.D. 2W x 2H	L.F.	135		135
829	4-5 IN. PVC DUCT SECTION - HORIZONTAL	L.F.	40		40
830	TYPE X DUCT SECTION 2-5 IN. I.D. 2W x 1H	L.F.	25		25
831	TYPE P DUCT SECTION 3-3 IN. I.D. 3W x 1H	L.F.	25		25
840	REMOVAL OF EXISTING LIGHT POLE BASE	E.A.	1		1
841	REINFORCED SLAB FOR DUCT LINE - 6 IN. THICK	S.Y.	125		125

REVISIONS	CONSULTANT	CITY OF BALTIMORE		STATE HIGHWAY ADMINISTRATION OF MARYLAND	
	WHITMAN, REQUART AND ASSOCIATES ENGINEERS	DEPARTMENT OF PUBLIC WORKS		INTERSTATE DIVISION FOR BALTIMORE CITY	
	2315 ST. PAUL STREET BALTIMORE, MD. 21218	PRATT STREET PIER 3 TO CONCORD STREET		DRAWN BY W. FEIGLEY TRACED BY W. FEIGLEY F.A.P. NO. IX 3012 (2) S.H.A. NO. BC 311-24-815 BALTO. CITY NO. 2902	
		SUMMARY OF QUANTITIES		DEC. BY EISGRUBER, FADER CHK. BY BOLDTMAN, VOLKER SHEET NO. 20 of 20	
		SCALE: NONE		DATE: OCT. 21, 1983	

F.A.P. No. IX 3012(2)
S.H.A. No. BC 311-24-815
Balto. City No. 2902

FINAL SURVEY
DATE: _____
BY: _____
REVISIONS:
NO. DESCRIPTION DATE

ORIGINAL SURVEY
DATE: _____
BY: _____
REVISIONS:
NO. DESCRIPTION DATE

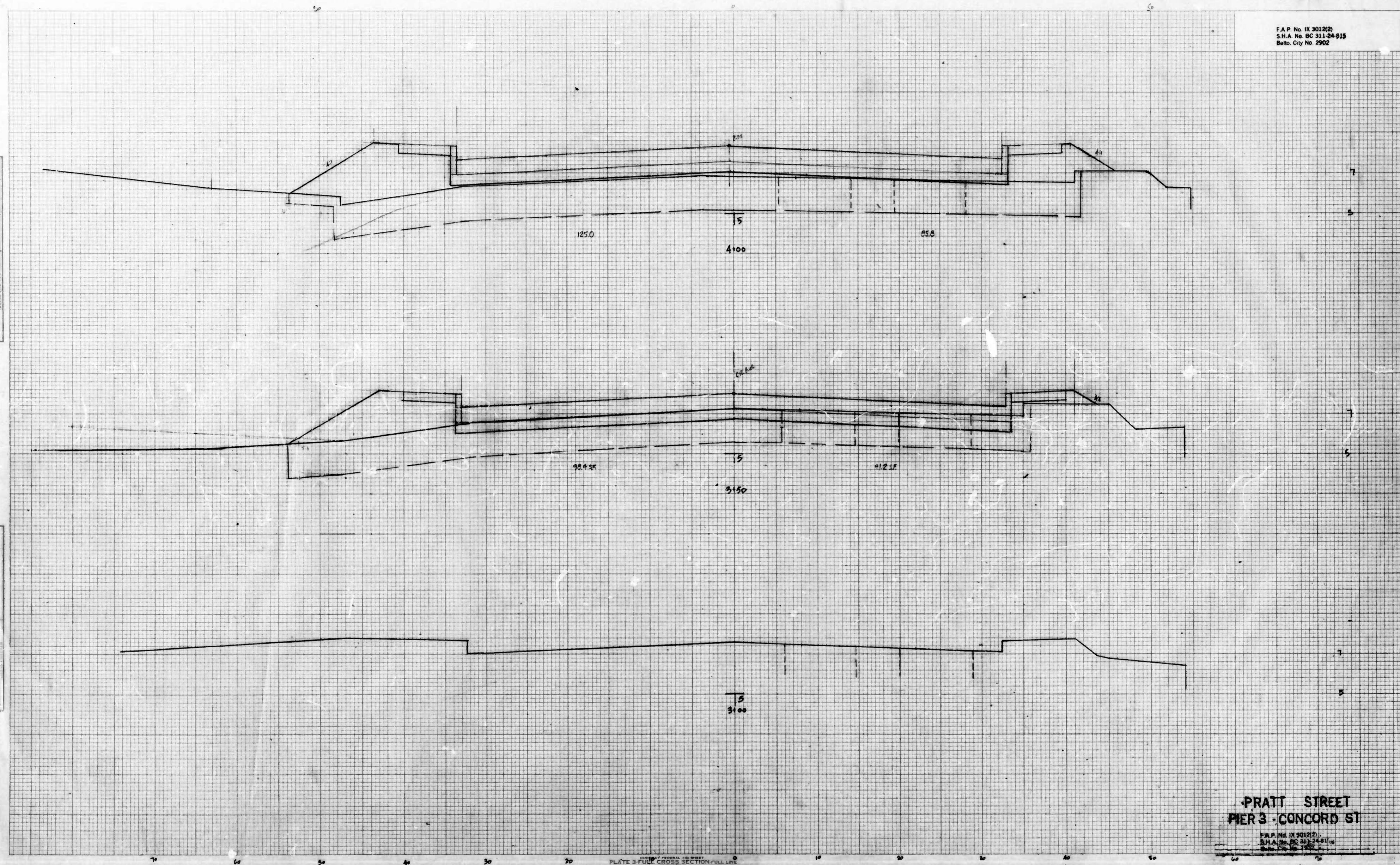


PLATE 3 FULL CROSS SECTION FULL LINE
PRINTED IN U.S.A.

PRATT STREET
PIER 3 - CONCORD ST

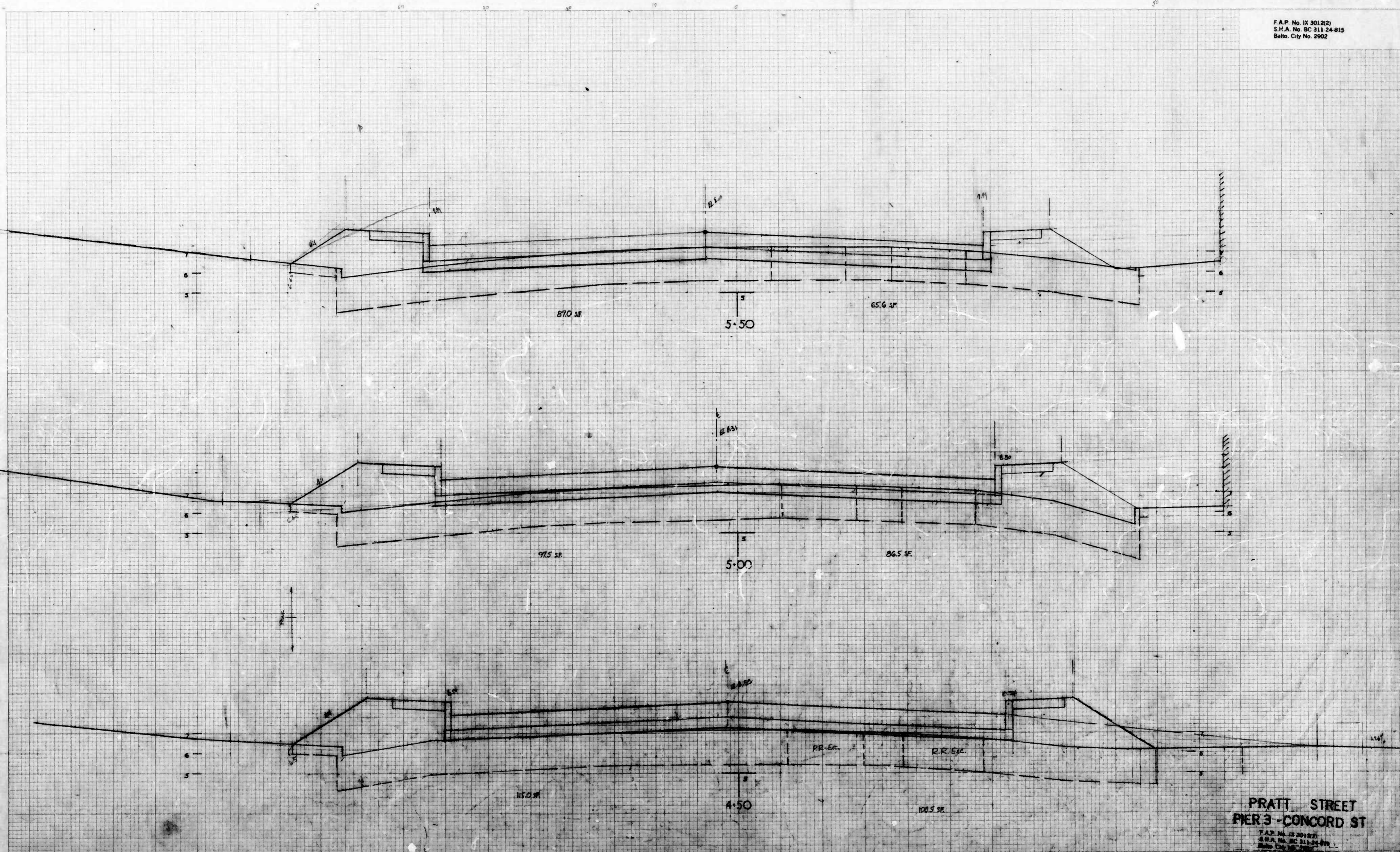
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S.H.A. No. BC 311-24-815
Balto. City No. 2902

SHEET 1 OF 6

F.A.P. No. IX 3012(2)
S.H.A. No. BC 311-24-815
Ballo. City No. 2902

DATE
BY
SURVEYED
PLOTTED
CHECKED
NO. 10000

DATE
BY
ORIGINAL SURVEY
PLOTTED
CHECKED
NO. 10000



PRATT STREET
PIER 3 - CONCORD ST

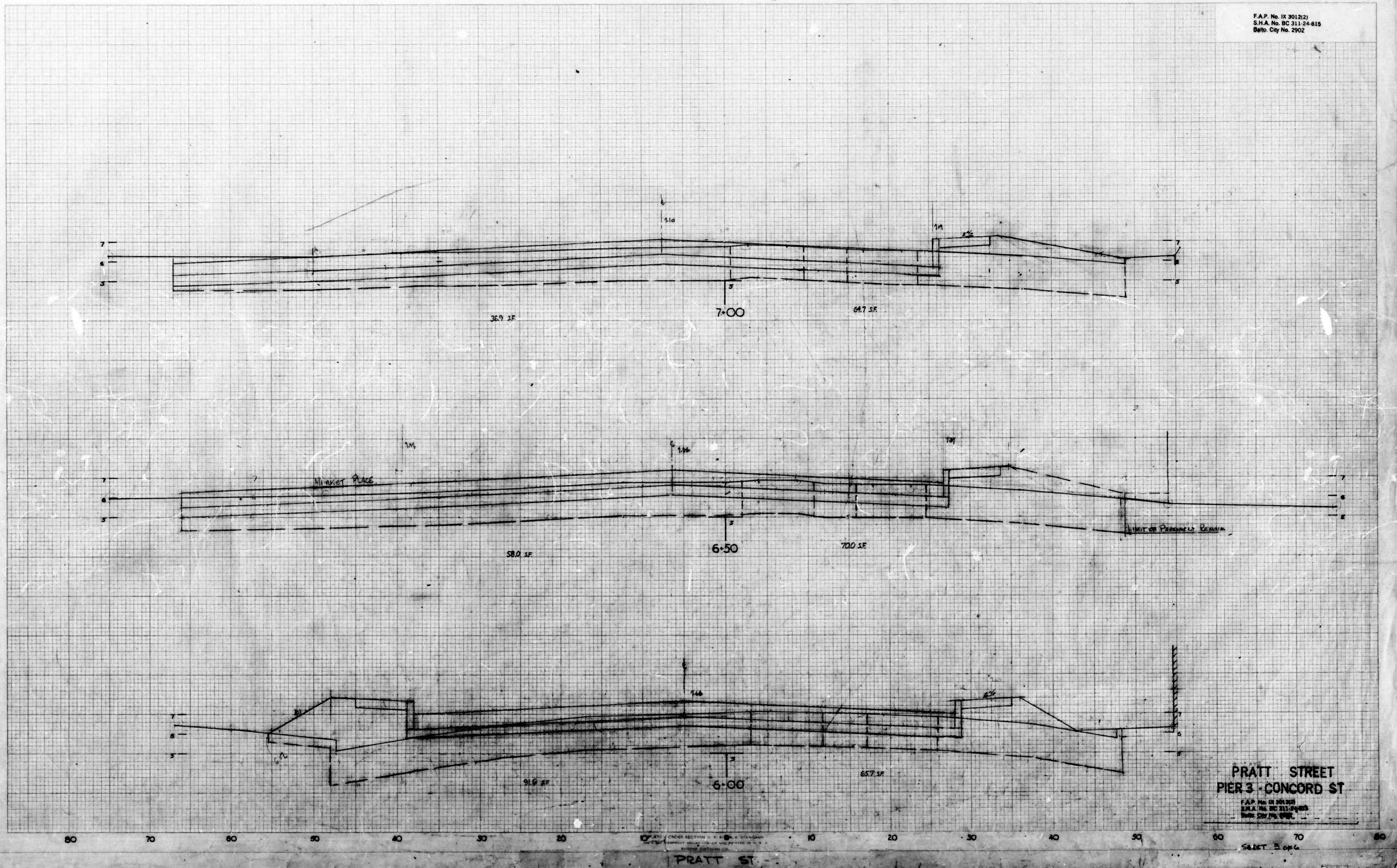
F.A.P. No. IX 3012(2)
S.H.A. No. BC 311-24-815
Ballo. City No. 2902

Sheet 2 of 6

F.A.P. No. IX 3012(2)
S.H.A. No. BC 311-24-815
Bello, City No. 2502

FINAL SURVEY
DATE: _____
BY: _____
CHECKED: _____
NO. 12-1036

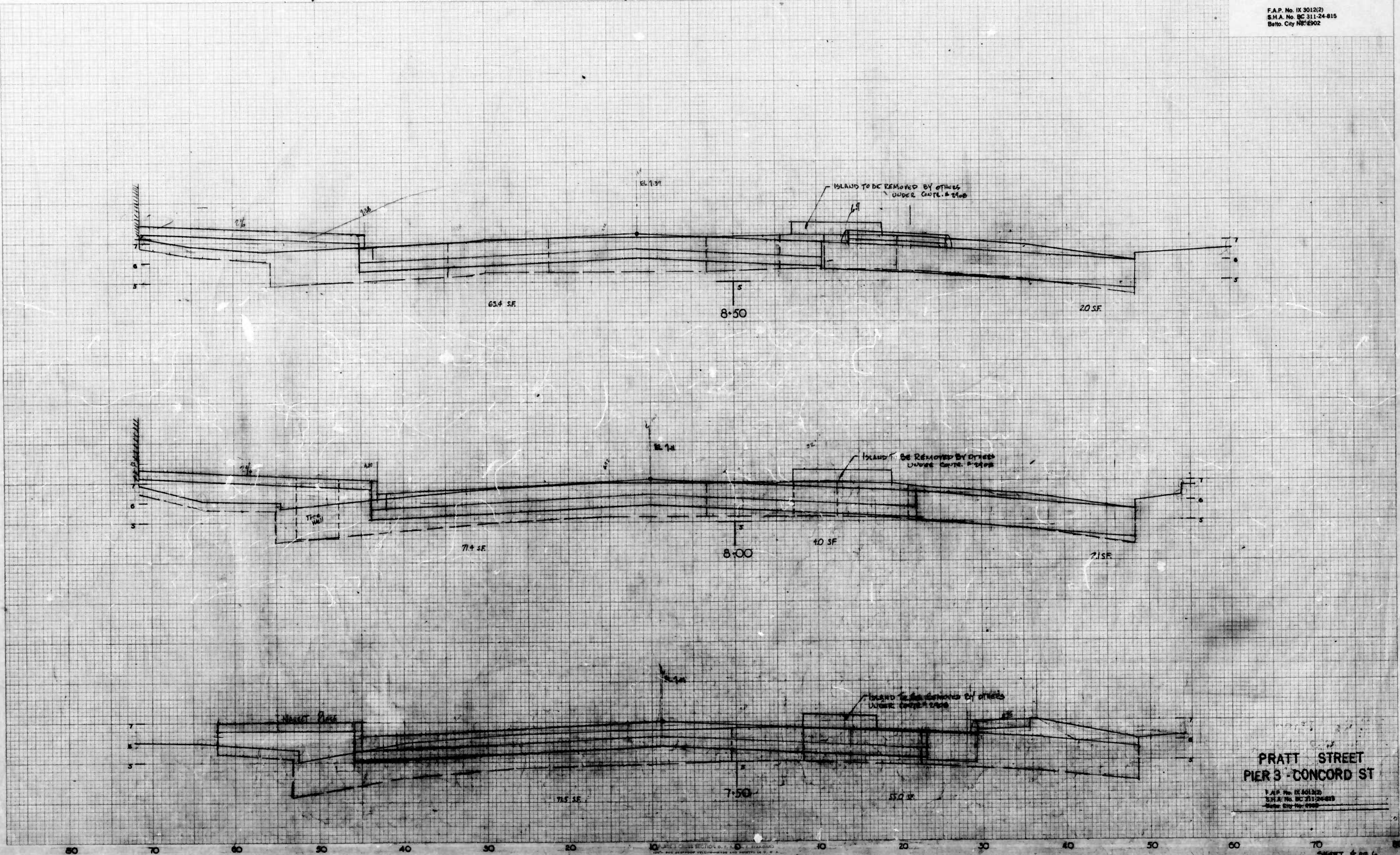
ORIGINAL SURVEY
DATE: _____
BY: _____
CHECKED: _____
NO. 12-1036



F.A.P. No. IX 3012(2)
S.H.A. No. BC 311-24-815
Balti. City No. 2502

DATE _____
BY _____
FINAL SURVEY PLOTTED _____
SURVEY BOOK _____
AREA CHECKED _____

DATE _____
BY _____
ORIGINAL SURVEY PLOTTED _____
SURVEY BOOK _____
AREA CHECKED _____



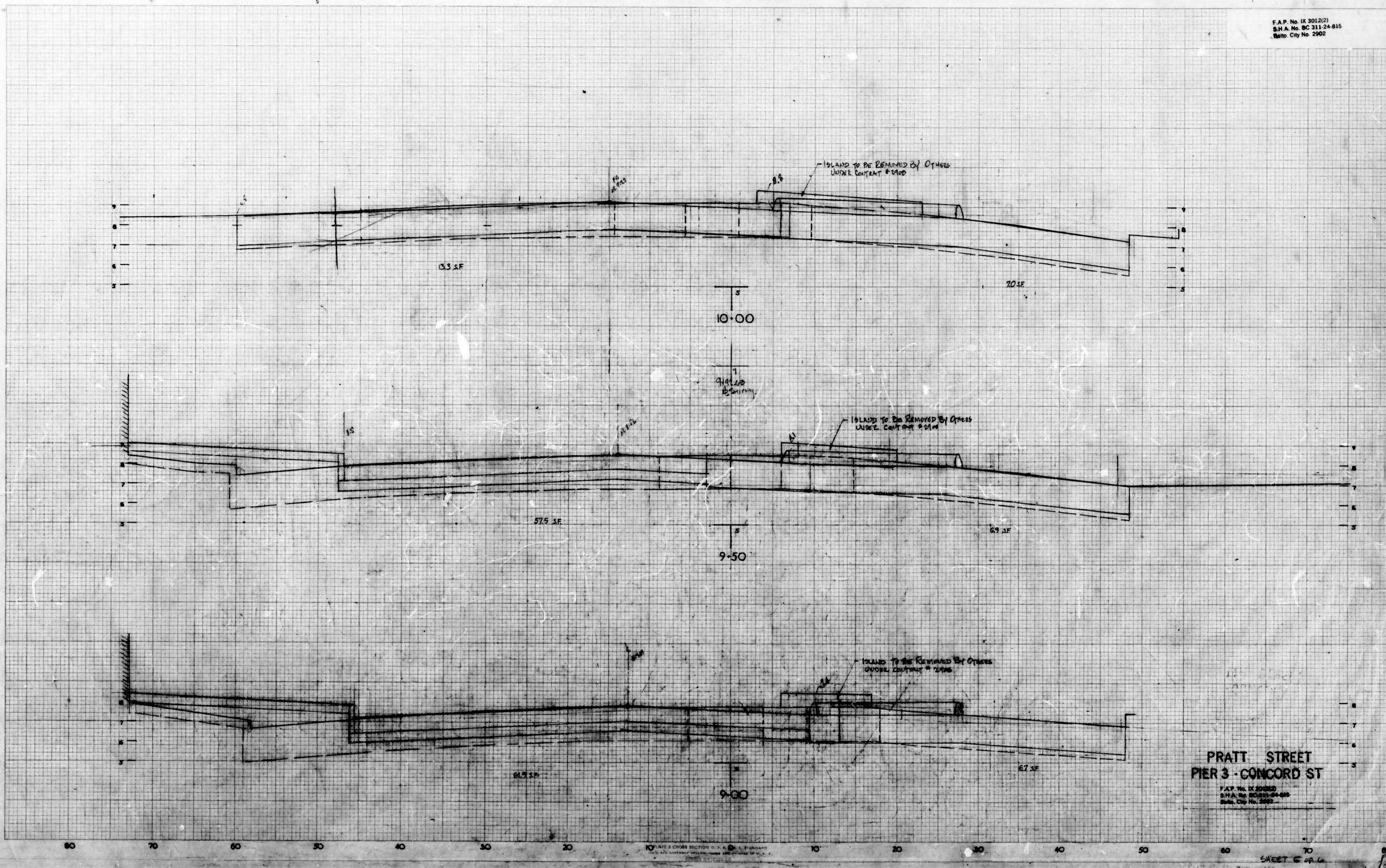
PRATT STREET
PIER 3 - CONCORD ST

F.A.P. No. IX 3012(2)
S.H.A. No. BC 311-24-815
Balti. City No. 2502

F.A.P. No. IX 3012(2)
S.H.A. No. BC 311-24-815
Balti City No. 2902

DATE _____
BY _____
SUPERVISOR _____
SURVEY _____
REVISION _____
APPROVED _____
NO. 1000

DATE _____
BY _____
SUPERVISOR _____
SURVEY _____
REVISION _____
APPROVED _____
NO. 1000



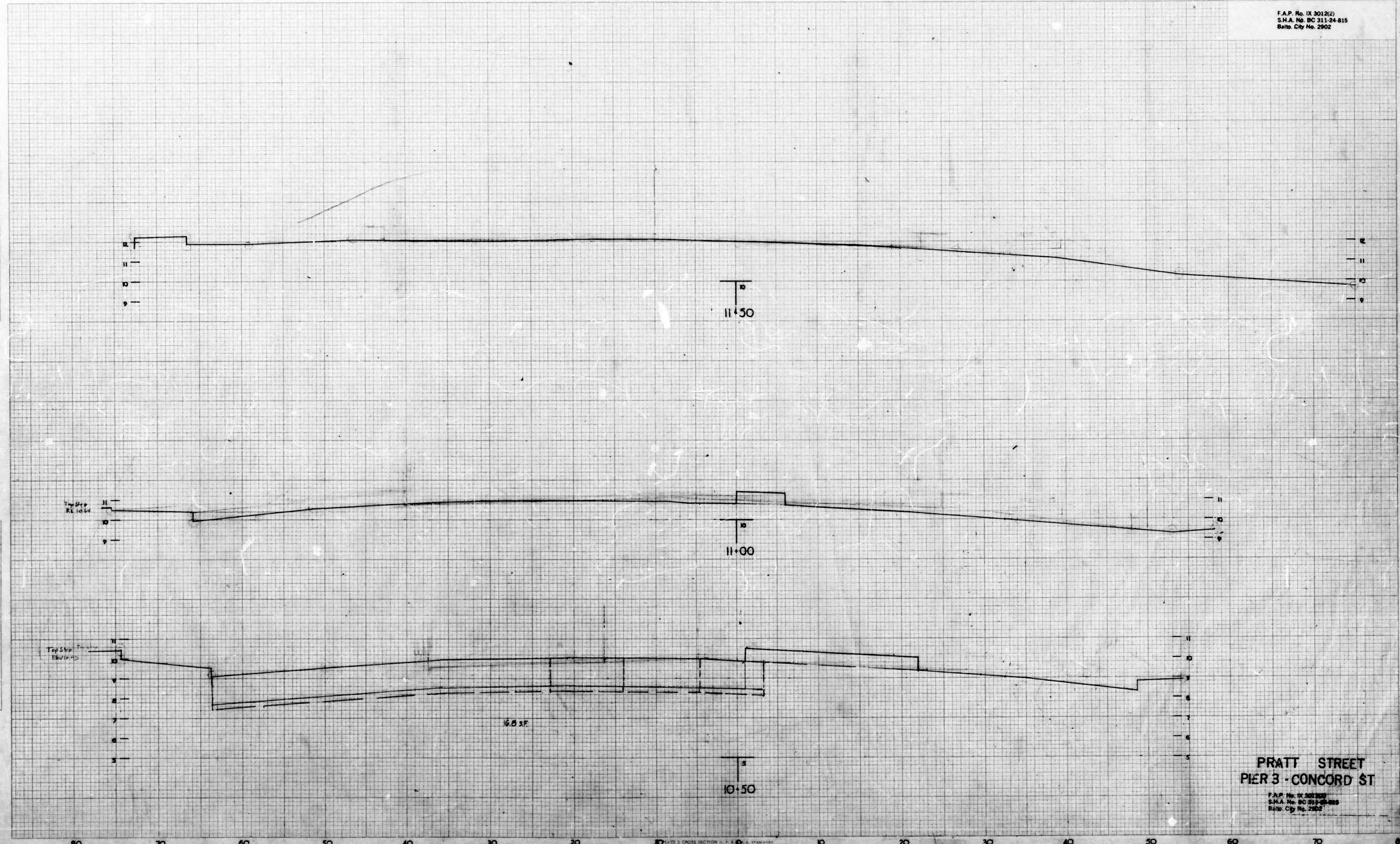
**PRATT STREET
PIER 3 - CONCORD ST**

F.A.P. No. IX 3012(2)
S.H.A. No. BC 311-24-815
Balti City No. 2902

F.A.P. No. IX 3012(2)
S.H.A. No. BC 311-24-815
Date: City No. 2902

DATE	
BY	
REVISIONS	
1. SURVEYED	
2. CHECKED	
3. APPROVED	
4. AREA CHECKED	
5. DATE	

DATE	
BY	
REVISIONS	
1. SURVEYED	
2. CHECKED	
3. APPROVED	
4. AREA CHECKED	
5. DATE	



PRATT STREET
PIER 3 - CONCORD ST
F.A.P. No. IX 3012(2)
S.H.A. No. BC 311-24-815
Date: City No. 2902

PRATT ST.

SHEET 2 OF 2

FILE REF. 343-A-16

REVISIONS			
NO	DESCRIPTION	DATE	BY



STREET (101 FEET WIDE)
PRATT

WOOD STREET (35 FEET WIDE)

N 87°22'45"E 425'±
BEGINNING

S 86°18'00"W 424'±

O'DONNELL'S

WHARF

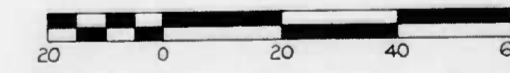
PARCEL No. 1

LEGEND

COO	CLEAN OUT
WV	WATER VALVE
FHD	FIRE HYDRANT
HB	HAND BOX
EMH	ELECTRICAL MANHOLE
SMH	SANITARY SEWER MANHOLE

NOTE:
UNDERGROUND UTILITIES ARE SHOWN ON THIS DRAWING ONLY FOR THE CONVENIENCE OF THE USER OF THE DRAWING AND THERE IS NO WARRANTY OR GUARANTEE OF THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION GIVEN. THE USER OF THE DRAWING MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION.

Does anyone know what are on closing this for the developer of the Stone park in the old power station you might contact Norman Waller at Inner Harbor Management to see if there is any problem in eliminating the connection work in this area - Eric Turrent 64503



W.O. 20-9099

SURVEYED BY	EVAN FIELD
COMPUTED BY	WILLIAM T. WATSON
DRAWN BY	WILLIAM T. WATSON
EXAMINED DRAFTING	WILLIAM T. WATSON
EXAMINED COMPS.	WILLIAM T. WATSON

James J. Maloney
SURVEYS & RECORDS DIVISION
W. T. Watson
BUREAU OF CONSTRUCTION MGMT.
James W. White
DIRECTOR OF PUBLIC WORKS

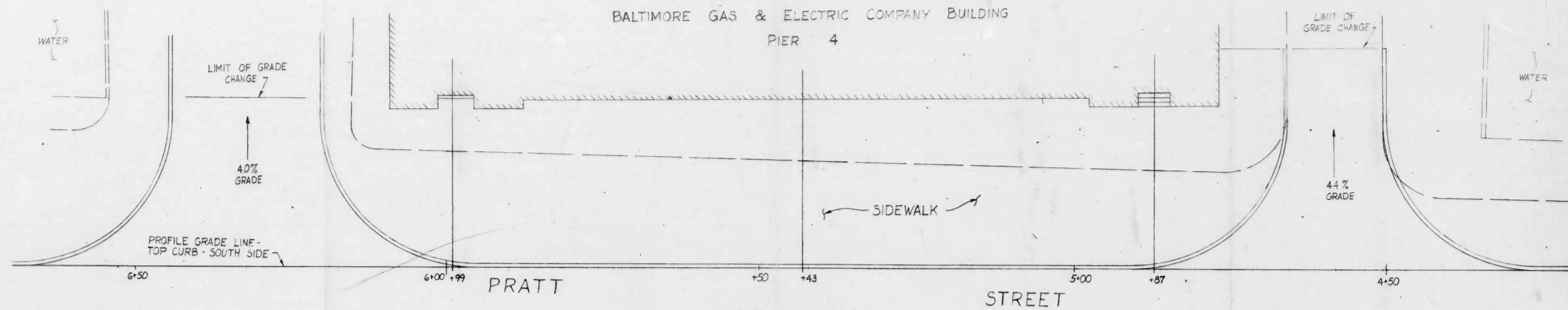
CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF CONSTRUCTION MANAGEMENT

PRELIMINARY PLAT FOR THE CONDEMNATION AND CLOSING OF O'DONNELL'S WHARF, VARYING IN WIDTH, LOCATED ON PIER 4 EXTENDING FROM PRATT STREET SOUTHERLY 525 FEET, MORE OR LESS, TO THE NORTH SIDE OF WOOD STREET.

SCALE 1"=20'
DATE AUGUST 24, 1983
SURVEYS & RECORDS DIVISION SHEET 1 OF 1

FILE REF. 343-A-16

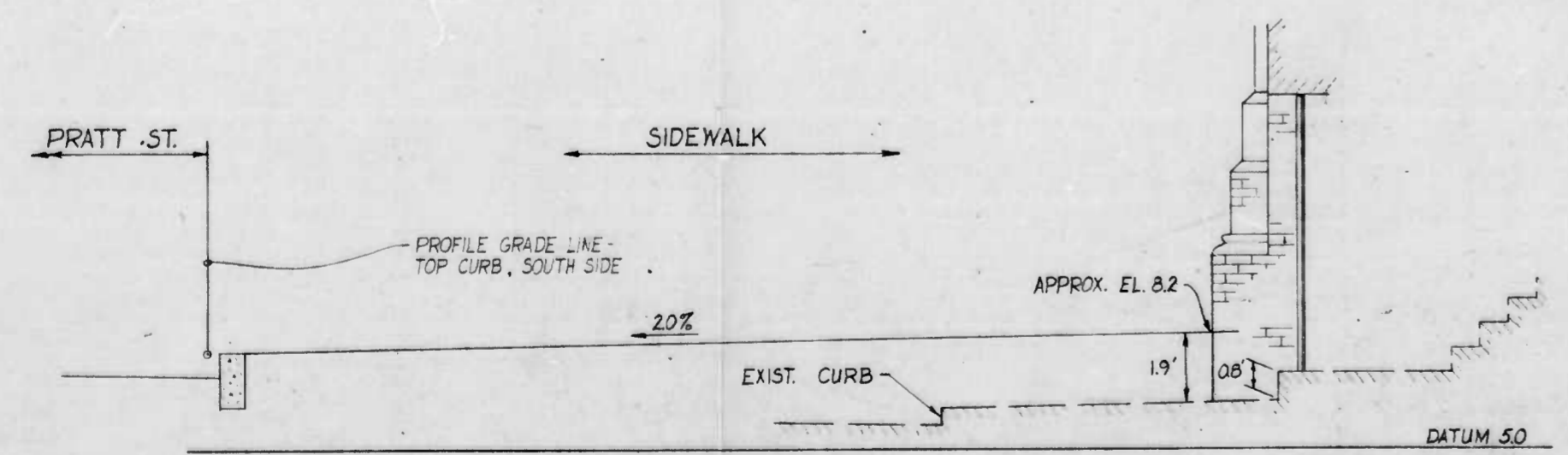
M-3



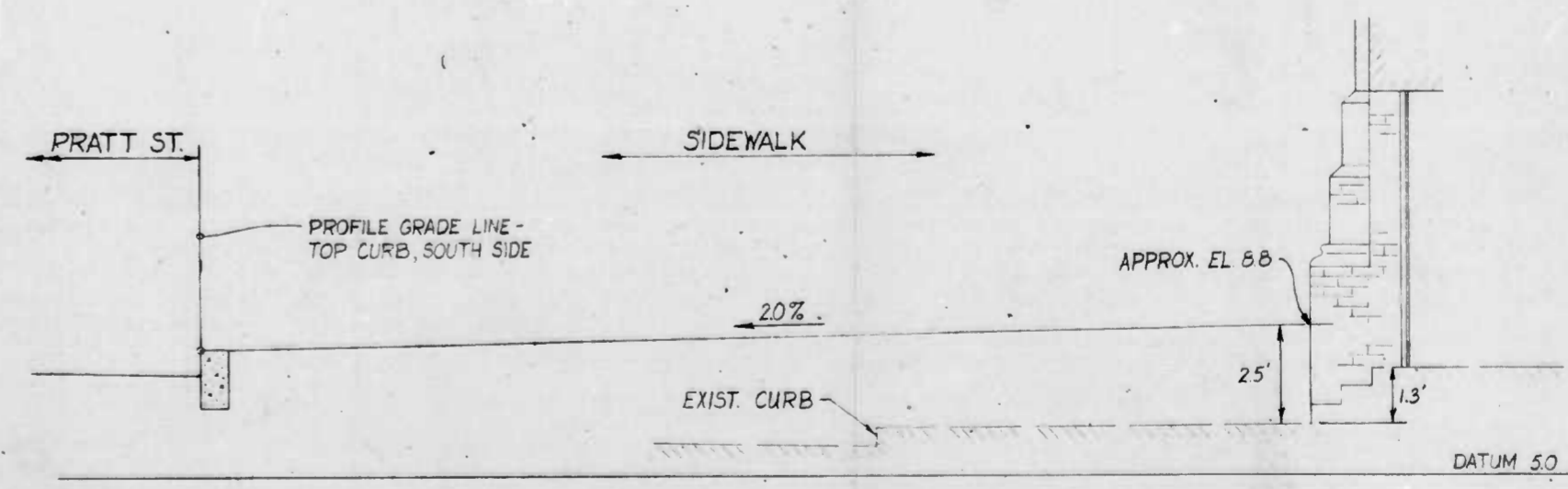
PLAN
SCALE: 1/8" = 1'-0"



SECTION - STA. 5+43



SECTION - STA. 5+99



SECTION - STA. 4+87

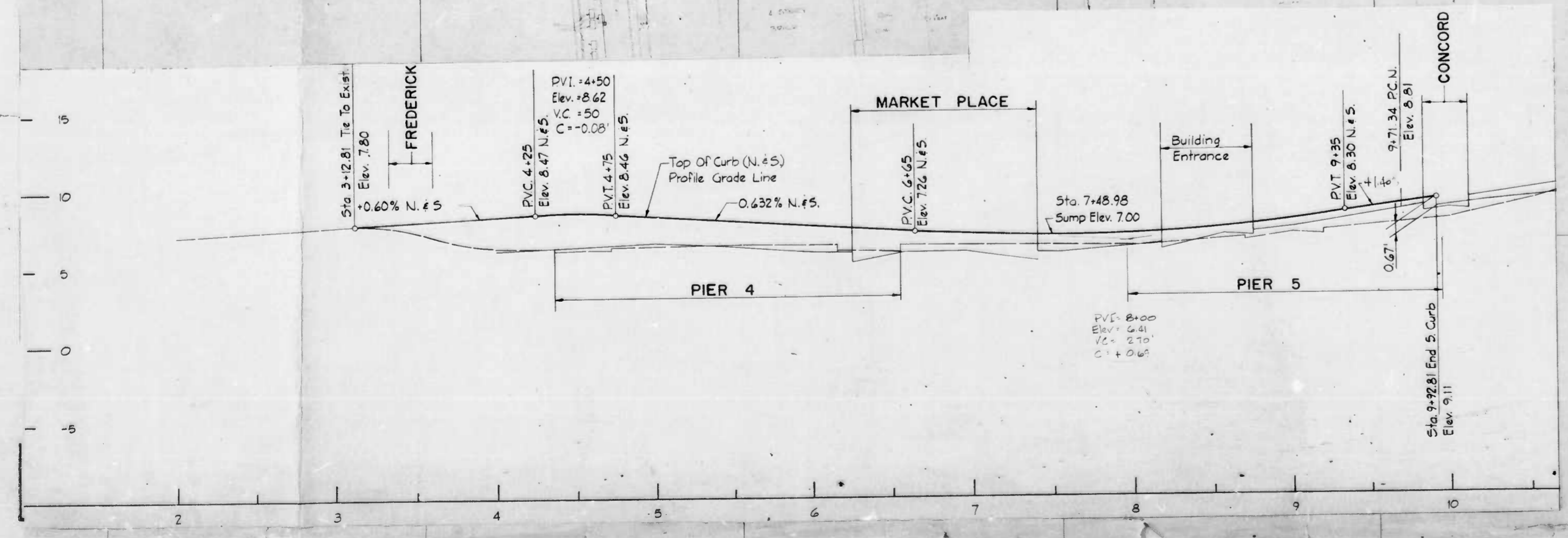
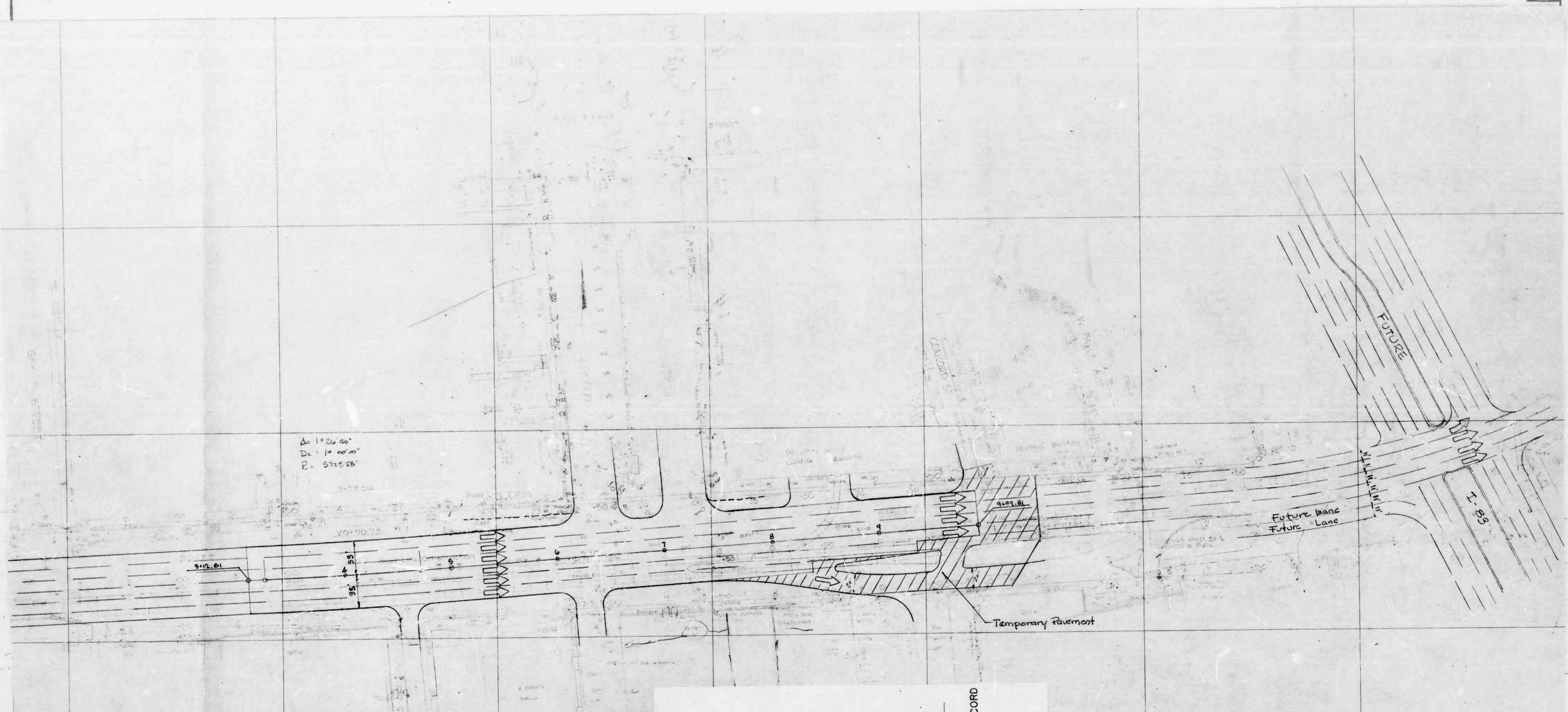
SECTION SCALE: 3/8" = 1'-0"

Whitman, Requardt
And Associates
Engineers
2315 St. Paul St.
Baltimore, Md. 21218

SEE LETTER DATED
MAY 5, 1983

MAY 5, 1983

M4



PLAN 2
 PRATT STREET RECONSTRUCTION
 SCALE 1"=60'

PRELIMINARY
 FEB 16 1938

M5

F.H.W.A. REGION	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS	NO.	REVISIONS	DATE	BY
3	MD.	IX-3012(2)	1	20		DESCRIPTION		

SOIL LEGEND

A-1 SAND	A-4-1 CLAYEY SILT
A-2 SAND & GRAVEL	A-7-4 SILTY CLAY
A-2-4 SILTY SAND	A-7 CLAY
A-4-2 SANDY SILT	A-8 COLLOIDAL CLAY
A-2-7 CLAYEY SAND	A-5 MED. DUCTILE, UNCOMP. ROCK
A-7-2 SANDY CLAY	A-8 SWAMP MUCK
A-4 SILT	ROCK REFUSAL

PLAN LOCATION OF SOIL BORINGS

THE SYSTEM OF SOIL CLASSIFICATION SHALL BE IN ACCORDANCE WITH A.A.S.H.O. DESIGNATION M-145, AS AMENDED TO DATE, SHOWN IN "STANDARD SPECIFICATIONS FOR HIGHWAY MATERIALS AND METHODS OF SAMPLING AND TESTING, PART I"

ABBREVIATIONS

AZ	AZIMUTH
B	BASELINE
P.G.L.	PROFILE GRADE LINE
P/G/L	PROFILE OF THE GROUND LINE
P/G/E	PROFILE GRADE ELEVATION
P/C	POINT OF CROWN
P/R	POINT OF ROTATION
P/C	POINT OF CURVATURE
P/I	POINT OF INTERSECTION
P/C.C.	POINT OF COMPOUND CURVE
P/T	POINT OF TANGENCY
P.V.C.	POINT OF VERTICAL CURVE
P.V.I.	POINT OF VERTICAL INTERSECTION
P.V.T.	POINT OF VERTICAL TANGENCY
P.V.C.C.	POINT OF VERTICAL COMPOUND CURVE
P.V.R.C.	POINT OF VERTICAL REVERSE CURVE
H.S.D.	HEADLIGHT SIGHT DISTANCE
S.S.D.	STOPPING SIGHT DISTANCE
T.S.	TANGENT TO SPIRAL
S.C.	SPIRAL TO CURVE
C.S.	CURVE TO SPIRAL
S.T.	SPIRAL TO TANGENT
S.E.	SUPERELEVATION
R.C.P.	REINFORCED CONCRETE PIPE
S.D.	STORM DRAIN
M.H.	MANHOLE
E.W.	ENDWALL
STD.	STANDARD
V.V.	VALVE VAULT
W.M.	WATER METER
W.V.	WATER VALVE
G.V.	GAS VALVE

CONVENTIONAL SYMBOLS

GENERAL	BASE OR SURVEY LINE	7
	CENTERLINE OF CONSTRUCTION	8
	BUILDINGS TO BE REMOVED	9
	BENCH MARKS	10
EXISTING	METAL LIGHT POLE	11
	WOOD POLE W/ LIGHT	12
	WOOD POLE	13
	POLES	14
	WATER MAIN	15
	STORM DRAIN	16
	GAS MAIN	17
	TELEPHONE CONDUIT	18
	ELECTRIC CONDUIT	19
	HEDGE	20
	FENCE LINE	21
	STREET WITH CURB & GUTTER	22
	PROPERTY LINE	23
	RIGHT OF WAY LINE	24
	FIRE HYDRANT	25
	ABANDONED UTILITY	26
PROPOSED	RIGHT OF WAY LINE	27
	CONCRETE SIDEWALK	28
	COMB. COND. CURB & GUTTER	29
	STORM DRAIN STRUCTURES	30
	LIGHT POLE PEDESTAL, BRIDGE	31
	LIGHT POLE PEDESTAL, ROADWAY	32
	HANDBOX FOR TRAFFIC SIGNAL DEVICES	33
	SENSOR ELEMENT FOR TRAFFIC SIGNALS	34
	TRAFFIC SIGNAL POLE	35
	3" METALLIC CONDUIT	36
	GUARD RAIL	37
	WATER MAIN	38
	DITCH, SOLID SOGGING	39
	DITCH, CONCRETE	40
	DITCH, PLACED RIPRAP	41
	WATER METER	42
	ABANDON UTILITY LINE	43

CITY OF BALTIMORE
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF HIGHWAYS
 GRADING, CURBING, PAVING, DRAINAGE, AND UTILITY ADJUSTMENTS

PRATT STREET

PIER 3 TO CONCORD ST.



FEDERAL AID PROJECT NO. IX 3012 (2)

THE STATE HIGHWAY ADMINISTRATION PROJECT NO. BC 311-24-815

CITY OF BALTIMORE BUREAU OF HIGHWAYS CONTRACT NO. 2902

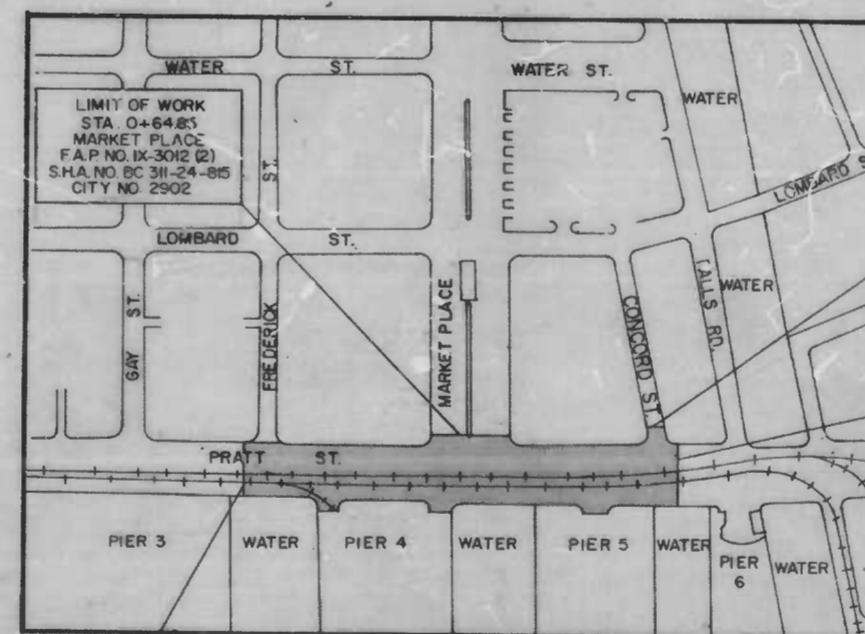
LEGEND

	CONSTRUCTED UNDER THIS CONTRACT	CONSTRUCTED BY OTHERS
WATER MAINS	10" W	10" W
STORM DRAIN	24" D	24" D
SANITARY SEWER	12" SAN.	12" SAN.
ELECTRICAL DUCTBANKS	14 DUCTS	ELEC. DUCT
TELEPHONE DUCTBANKS		TEL. DUCT
GAS MAINS		20" G

BOOK NO.	DESCRIPTION
L-1034 #	PRATT ST. TOPO. AND SECTIONS
L-1036 #	PRATT ST. & MARKET PL. TOPO. AND SECTIONS
L-1039 #	PRATT ST. & CONCORD ST. TOPO. AND SECTIONS
1644 #	PRATT ST., FREDERICK ST & GAY ST. TOPO.
1651 #	PRATT ST. W. OF MARKET PL. TOPO.
6732 **	TOPOGRAPHY & CROSS SECTION UPDATE

* BALTIMORE CITY
 ** WHITMAN, REQUARDT AND ASSOCIATES

NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTIONS
3	TYPICAL SECTIONS
4	TRAFFIC CONTROL PLANS
5	GEOMETRIC AND JOINT LAYOUT PLAN
6	PLAN AND PROFILE
7	COMPOSITE STORM DRAIN AND UTILITY PLAN
8	STORM DRAIN AND SANITARY SEWER PLAN
9	STORM DRAIN PROFILES
10	STORM DRAIN PROFILES, DETAILS AND SCHEDULES
11	SANITARY SEWER PROFILES AND WATER DETAILS
12	WATER PLAN, PROFILES AND DETAILS
13	ELECTRICAL PLAN
14	CONDUIT SYSTEM PLAN
15	CONDUIT SYSTEM PROFILES
16	CONDUIT SYSTEM DETAILS
17	CONDUIT SYSTEM DETAILS
18	CONDUIT SYSTEM DETAILS
19	PLANTING PLAN AND DETAILS
20	SUMMARY OF QUANTITIES



LOCATION PLAN

1" = 200'

PROJECT LENGTH 0.14 MILES
 DESIGN SPEED 40 M.P.H.

LIMIT OF WORK
 STA. 34+281
 PRATT ST.
 F.A.P. NO. IX-3012(2)
 S.H.A. NO. BC 311-24-815
 CITY NO. 2902

LIMIT OF WORK
 STA. 0+95.00
 CONCORD ST.
 F.A.P. NO. IX-3012(2)
 S.H.A. NO. BC 311-24-815
 CITY NO. 2902

LIMIT OF WORK
 STA. 0+34
 PRATT ST.
 F.A.P. NO. IX-3012(2)
 S.H.A. NO. BC 311-24-815
 CITY NO. 2902

CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS BUREAU OF HIGHWAYS	9/21/83	9/21/83
COMMISSIONER, TRANSIT & TRAFFIC	9/21/83	9/21/83
HEAD, BUR. OF WATER & WASTE WATER	9/21/83	9/21/83
CHIEF, WATER ENGINEERING DIVISION	9/21/83	9/21/83
CHIEF, WASTE WATER ENGIN.	9/21/83	9/21/83
HEAD, BUREAU OF CONST. MGMT.	9/21/83	9/21/83
BY CHIEF, SURVEYS & REC. DIV.	9/21/83	9/21/83

THE STATE HIGHWAY ADMINISTRATION OF MARYLAND	9-14-83	9/15/83
SEDIMENT CONTROL REP. I.D.B.C.	9-14-83	9/15/83
CHIEF, BUR. OF DESIGN I.D.B.C.	9-14-83	9/15/83
CHIEF, INTERSTATE DIVISION B.C.	9-14-83	9/15/83

U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 APPROVED: _____
 DIVISION ADMINISTRATOR

WHITMAN, REQUARDT AND ASSOCIATES
 ENGINEERS
 2315 SAINT PAUL STREET
 BALTIMORE, MARYLAND

H. Hudson Rogers