

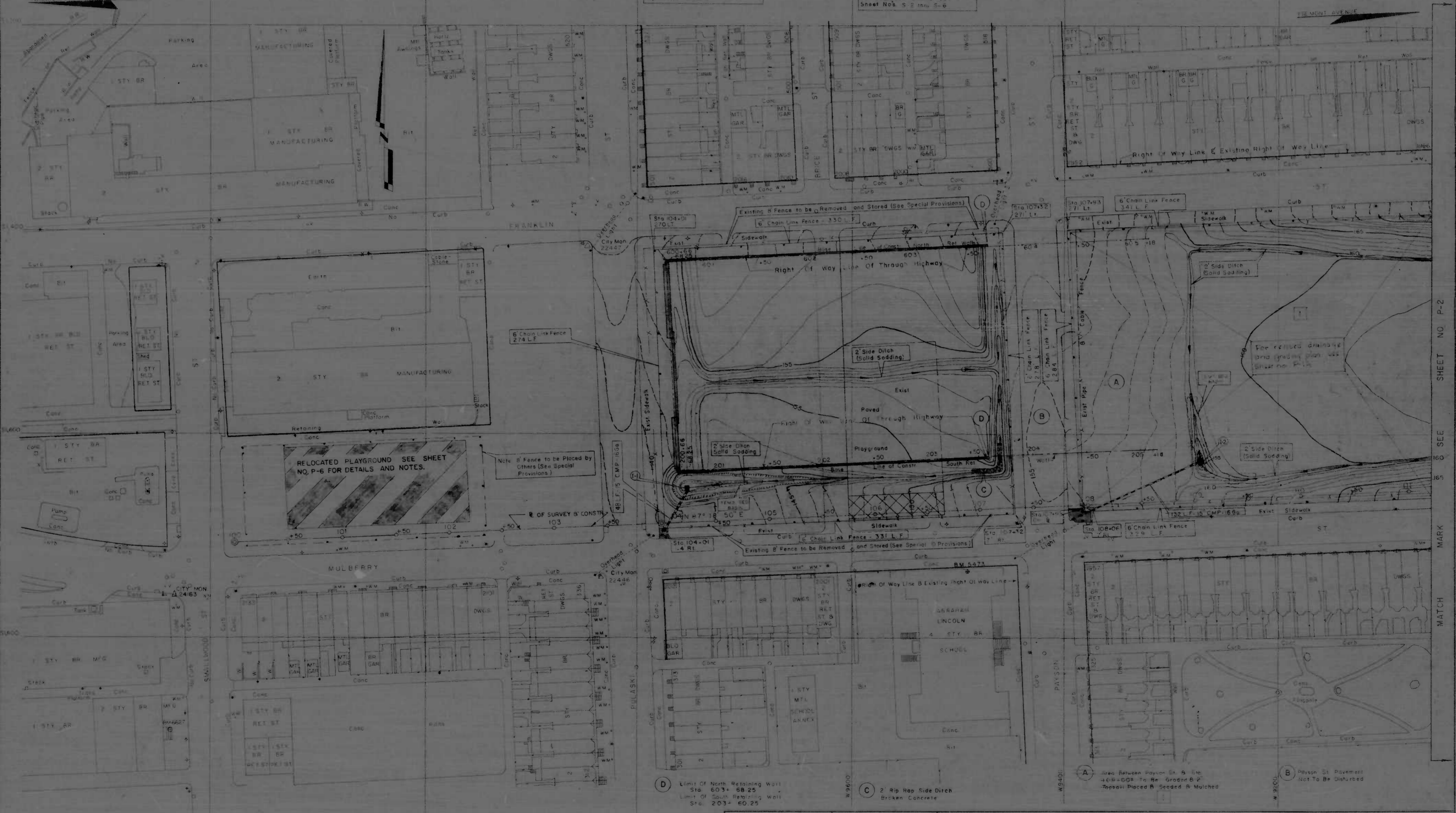
MS 2000000000

For drainage details & sidewalk repairs See detail sheet No. P-5

For Existing Utilities See Sheet Nos. U-1 thru U-4 Detail Sheet No. P-4 & Special Provisions

For Retaining Wall Profile See Sheet No. P-3 For Retaining Wall Details See Sheet Nos. 2 thru 5-12 For Abutment Details See Sheet Nos. 2 thru 5-6

2 MD I-170-8(5)2 P-1 P-6 (33)



RELOCATED PLAYGROUND SEE SHEET NO. P-6 FOR DETAILS AND NOTES.

Note: Fence to be Placed by Others (See Special Provisions)

D Limit of North Retaining Wall Sta. 603+ 68.25 Limit of South Retaining Wall Sta. 203+ 60.25

C 2' Rip Rap Side Ditch Broken Concrete

REVISIONS
1 Revised 12/77
ADDITION TO EXISTING

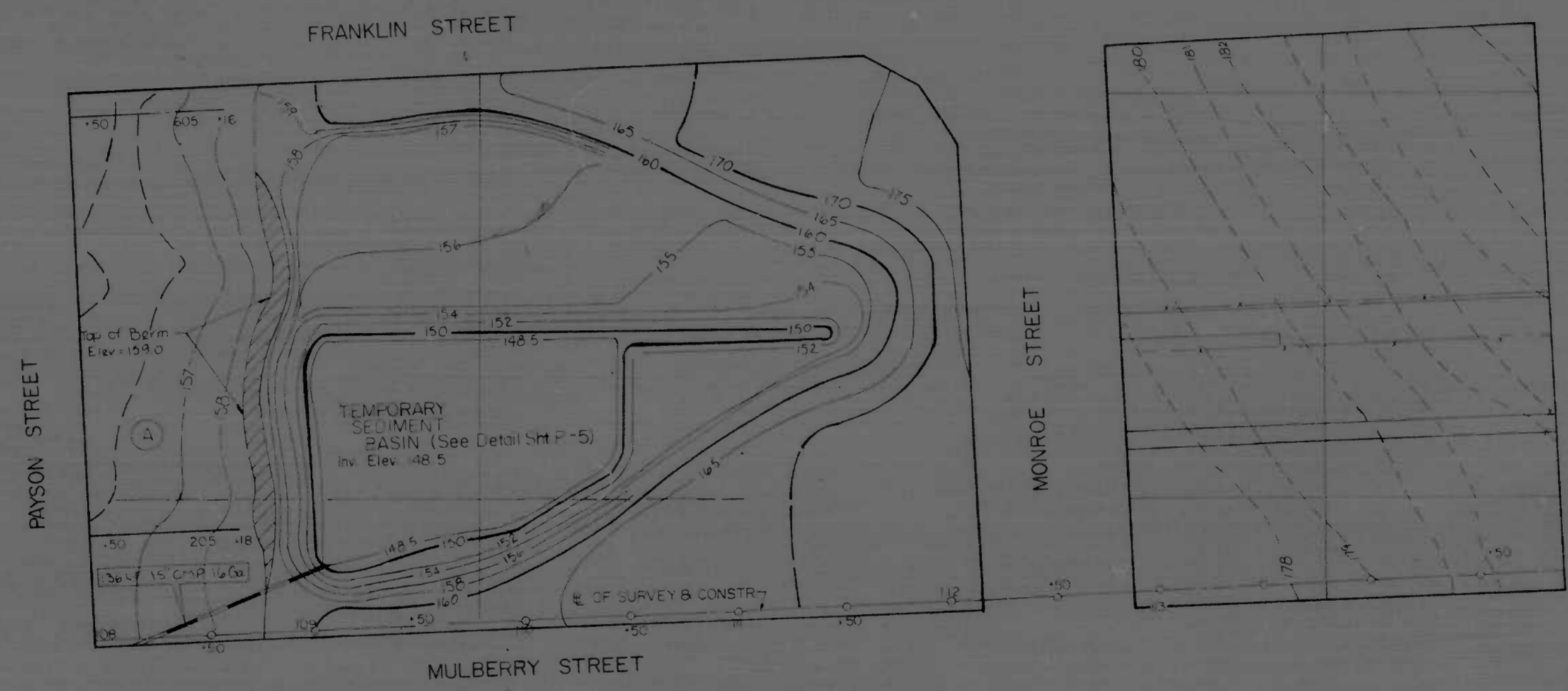
CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS &
INTERSTATE ROUTE 170
NORTH PULASKI STREET TO NORTH FULTON AVENUE
GRADE, DRAIN & SUPPORTING WALLS

STATE ROADS COMMISSION OF MARYLAND
INTERSTATE DIVISION FOR BALTIMORE CITY
DRAWN BY LDH & DCH
CHECKED BY LDM & DCH
F.A.P. NO. I-170-8(5)2
S.R.C. NO. BC 259-4-815
BALTO. CITY NO. 2086

SCALE 1" = 40' DATE NOV. 1972

SHEET NO. P-6 OF 33

SHEET NO.	TOTAL SHEETS
2	55



(A) AREA BETWEEN PAYSON ST AND STA. 108+ TO BE GRADED & 2' TOPSOIL PLACED & SEEDED & MULCHED

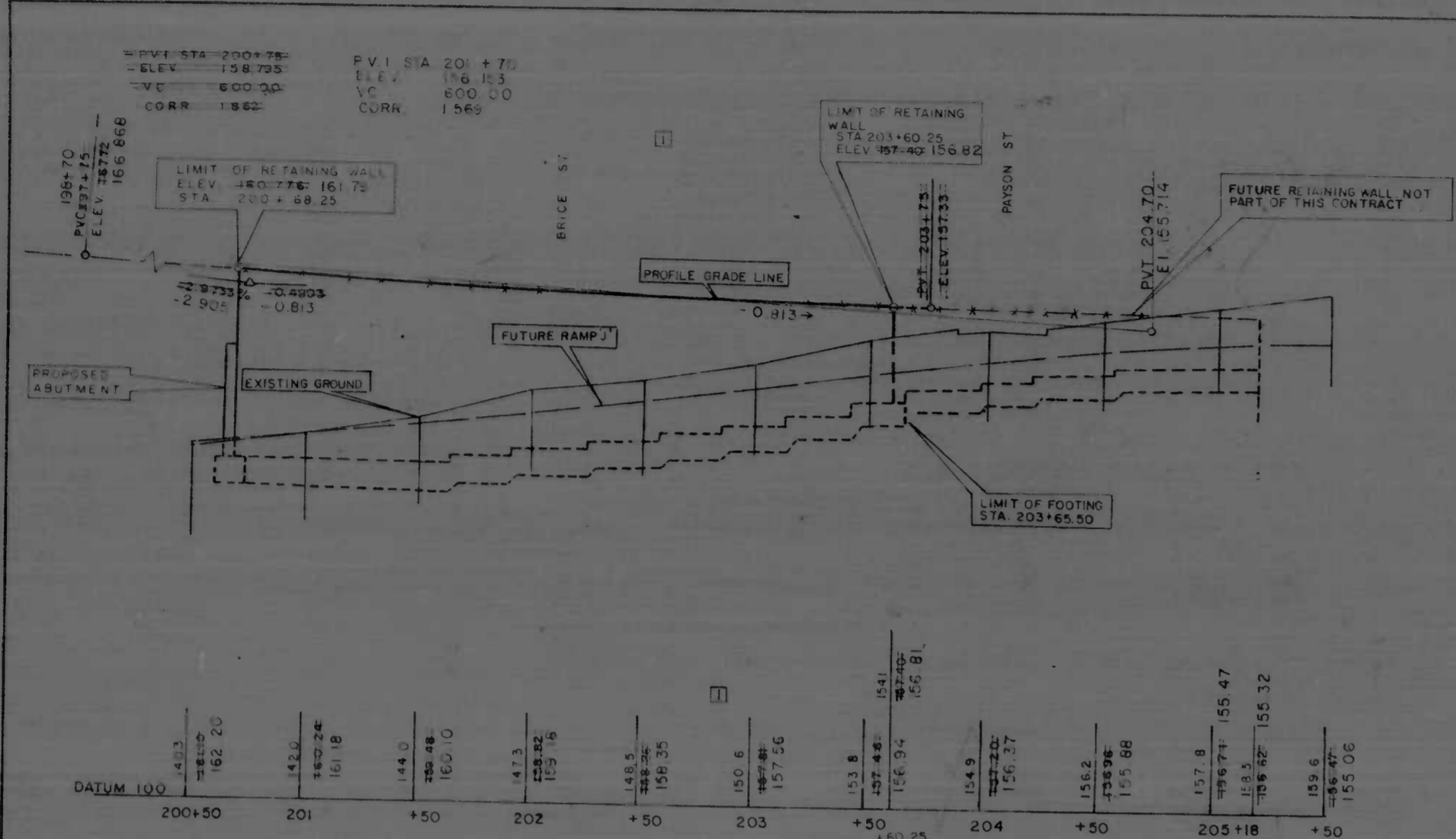
REVISIONS 1973 SUPPLEMENT SHEET ADDITION TO EXISTING CONTRACT	CONSULTANT	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS		STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY	
		INTERSTATE ROUTE 170 NORTH PULASKI STREET TO NORTH FULTON AVENUE GRADE, DRAIN & SUPPORTING WALLS		DRAWN BY: NLH TRACED BY: NLH	DES. BY: LCH CHS. BY: LCH
		SCALE: 1" = 40'	DATE: NOV 1973	F.A.P. NO. 1170-2-50 S.P.C. NO. 80-259-4-815 BALTO. CITY NO. 2084	SHEET NO. P-6 P.R. # (32)



PROJ. NO.	2	MD. I-170-8(5)2	SHEET NO.	P-2	TOTAL SHEETS	55
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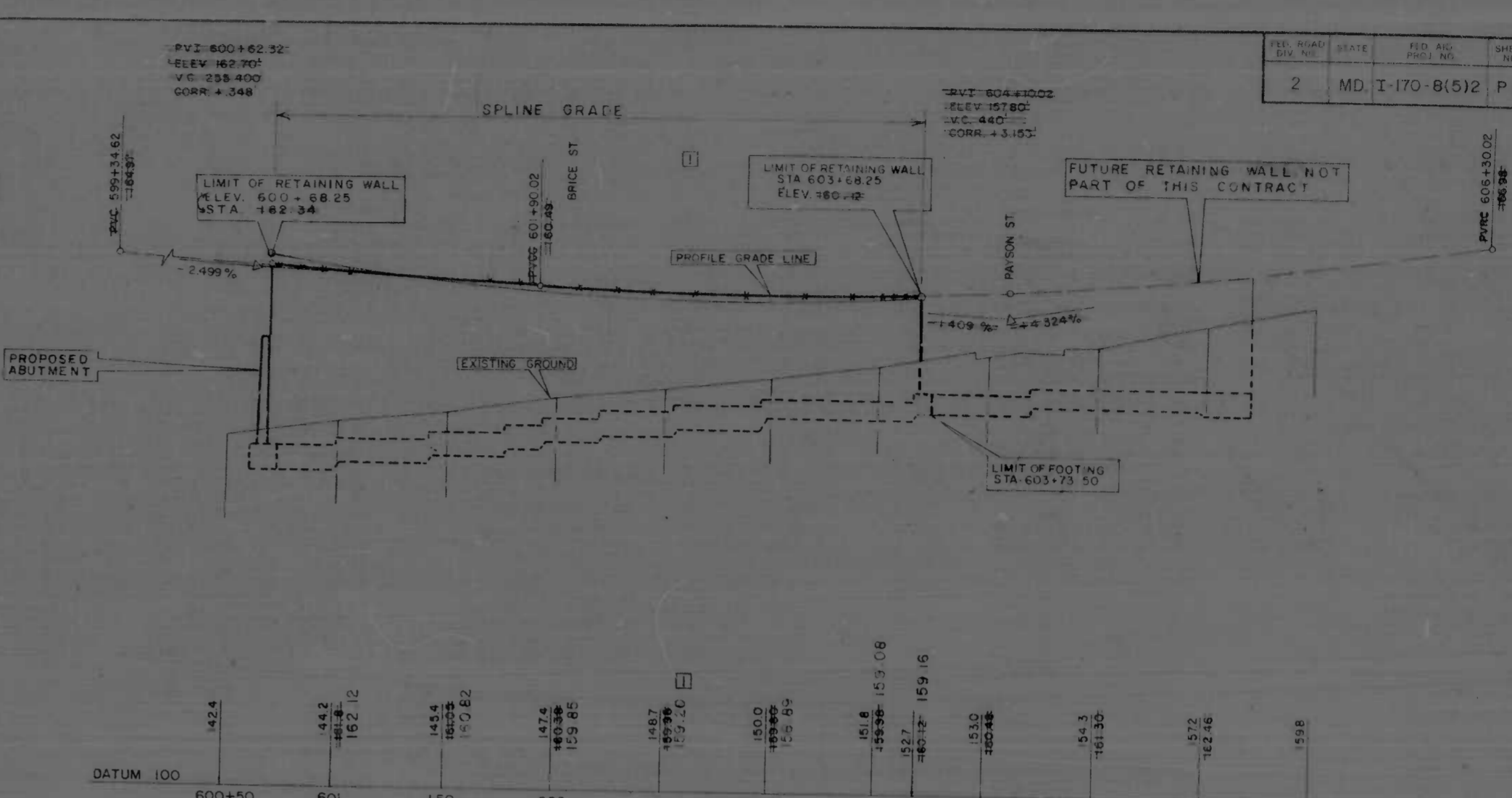
REVISIONS 1. PULASKI ST ADJUSTED TO EXISTING CURBLINE	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS		STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY	
	INTERSTATE ROUTE 170 NORTH PULASKI STREET TO NORTH FULTON AVENUE CHAISE, DRAIN & SUPPORTING WALLS		DRAWN BY LDH & DCH TRACED BY M.T.M. & S.A.M. F.A.P. NO. I-170-8(5)2 S.R.C. NO. BC-259-4-815 BALTO. CITY NO. 2084	
SCALE 1" = 40'		DATE NOV. 1972		DES. BY LCH & DCH CHK. BY LCH & DCH SHEET NO. 23 P-2 OF P-6

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
2	MD	I-170-8(5)2	P 3	P-6 (33)



DATUM 100	200+50	201	+50	202	+50	203	+50	204	+50	205+18	+50
	147.3	148.2	149.0	149.8	150.6	151.4	152.2	153.0	153.8	154.6	155.4
	162.20	161.18	160.10	159.02	157.94	156.86	155.78	154.70	153.62	152.54	151.46

SOUTH RETAINING WALL
SCALE HOR 1"=40'
VERT 1"=10'



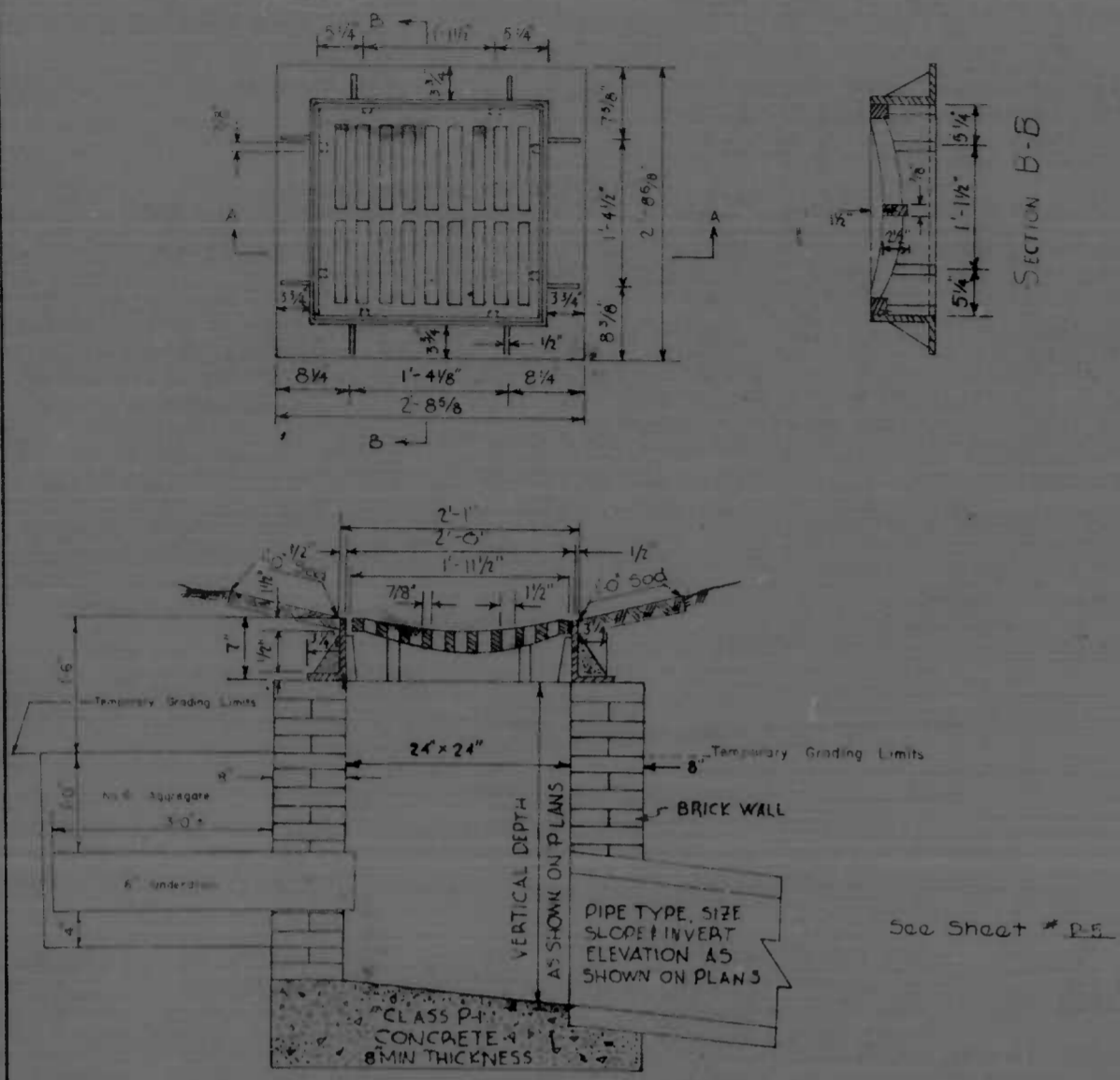
DATUM 100	600+50	601	+50	602	+50	603	+50	604	+50	605	+50
	142.4	144.2	145.4	147.2	148.7	150.0	151.6	153.0	154.3	155.2	155.8
	162.12	160.82	159.85	158.96	158.07	157.18	156.29	155.40	154.51	153.62	152.73

NORTH RETAINING WALL
SCALE HOR 1"=40'
VERT 1"=10'

REVISIONS	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS	STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY
1 7-18-73 REVISED WALL ELEVATIONS	INTERSTATE ROUTE 170 NORTH PULASKI STREET TO NORTH FULTON AVENUE GRADE, DRAIN & SUPPORTING WALLS	DRAWN BY L.D.H. TRACED BY V.Y. F.P. NO I-170-8(5)2 S.R.C. NO. BC-259-4-815 BALTO. CITY NO. 2084
	SCALE AS SHOWN	DES. BY L.D.H. & D.C.H. CHK. BY L.D.H. & D.C.H. DATE NOVEMBER, 1972 SHEET NO. P-6 P.3 OF (33)

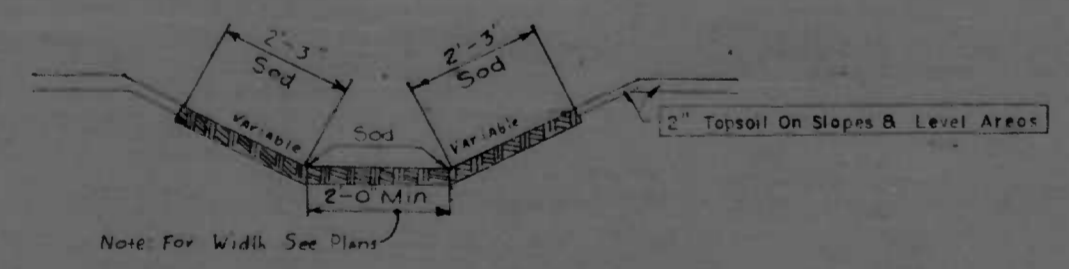
DRAINAGE NOTES

1. **EXISTING UTILITIES**
Obstructions Shown on The Drawings Are For The Convenience of The Contractor Only And The I.D.B.C. Does Not Warrant or Guarantee The Correctness of The Information Given Nor For Any Construction Difficulty Arising Therefrom. The Contractor Must Verify All Such Information to His Satisfaction.
2. **INLET CONNECTIONS**
Depth of Inlet Connections in Streets at Curb Line to be as Shown by Invert Elevations. No Payment Will be Made For Greater Depth Unless Specifically Ordered by The Engineer. Additional Depth For Pipe Excavation Shall be Paid For as "Class 3 Excavation For Incidental Construction."
3. **DRAINAGE STRUCTURES**
The Locations And Inverts of The Drainage Structures Are Subject to Modification as May be Required by Field Conditions as Directed by The Engineer.
4. **EXISTING DRAINAGE STRUCTURES**
All Salvaged Items Shall Become The Property of The Contractor, Unless Otherwise Noted in The Special Provisions.
5. **PIPES IN FILL**
When a Pipe Structure is to be Laid on Existing Ground or on or Under Fill, Embankment Shall be Constructed to a Height of at Least Nine (9) Inches Above, But Not More Than Three (3) Feet Above Top of Pipe And Then a Trench Excavated to Receive The Pipe Backfilling of Trenches Shall be in Accordance With Article 31.07 of The Specifications.
6. **INLET CONSTRUCTION**
Inlet Walls Shall Be Constructed Of Brick.
7. **HORIZONTAL & VERTICAL CONTROL**
Grid System: All Bearings, North Arrows, & Coordinates Are Based on The City of Baltimore Survey Control System.
Level Datum: All Elevations Are Based on The City of Baltimore Survey Control System.

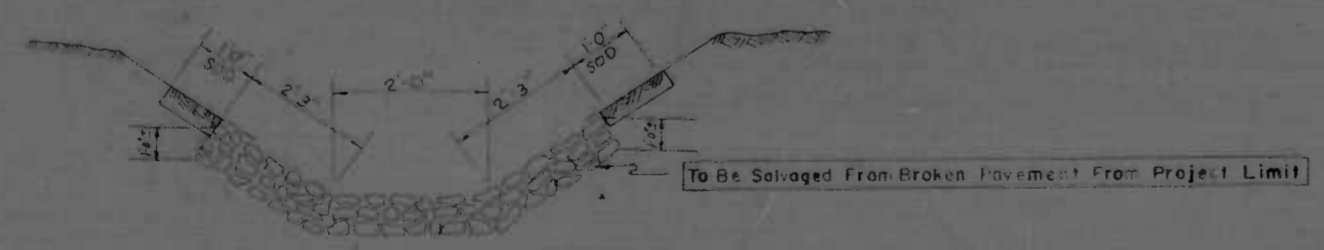


NOTE: The No. 6 aggregate shall have the following approx dimension: Length 3-3/8", width-2-6/8" depth-1-1/2".
The No. 6 aggregate and 6" underdrain shall be identical to items 306, "Yard Type Inlet-Min. Depth".

SECTION A-A
YARD TYPE INLET
NOT TO SCALE



2' SOLID SOD SIDE DITCH
Not to scale



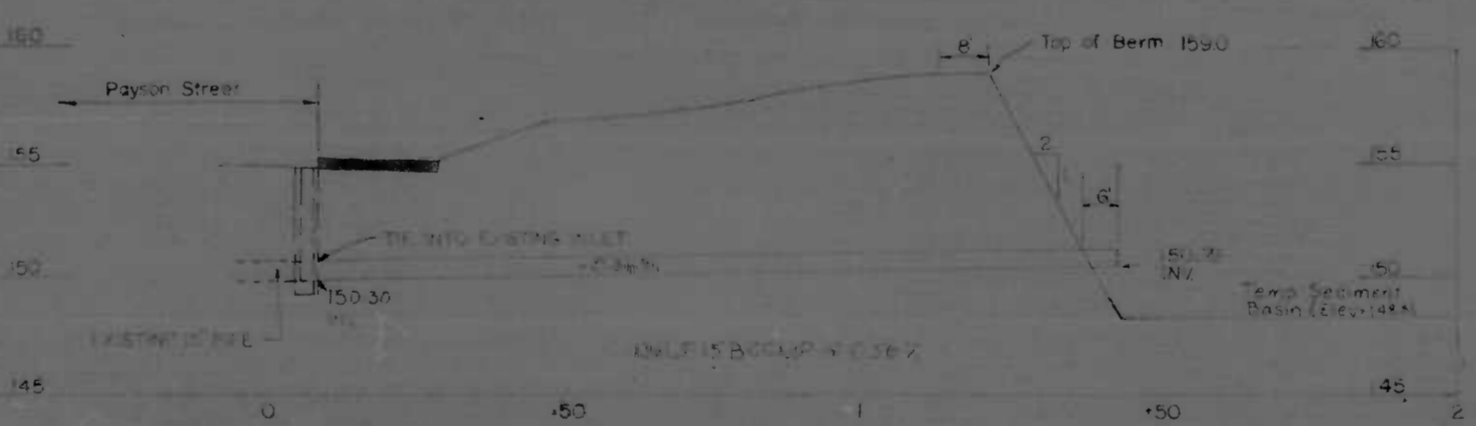
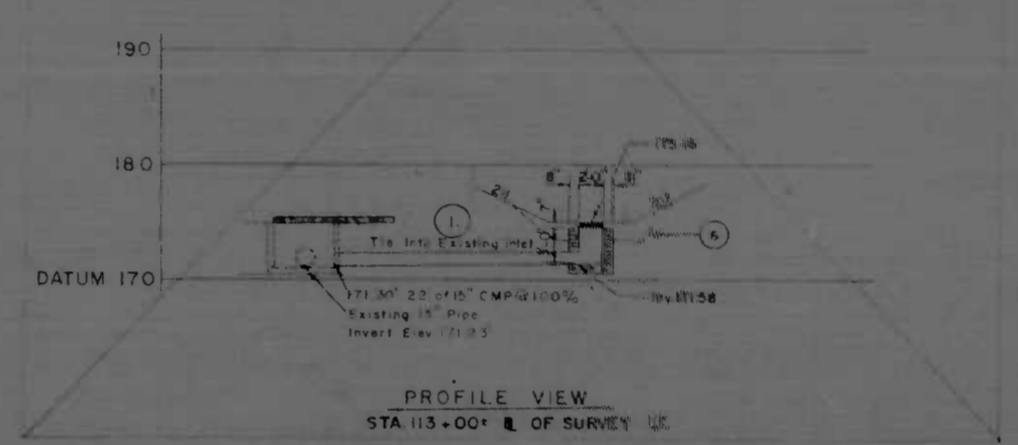
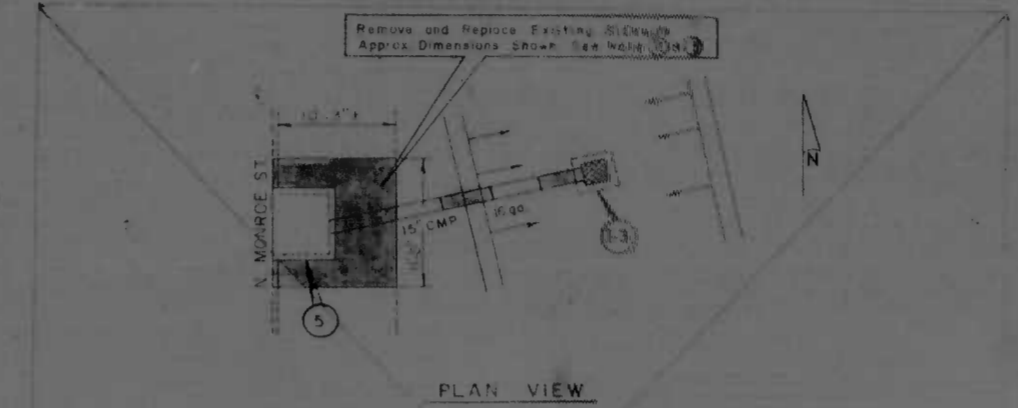
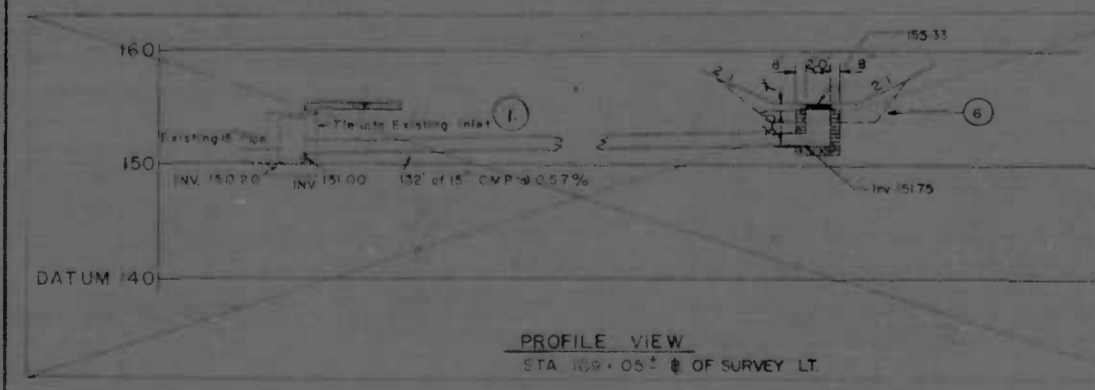
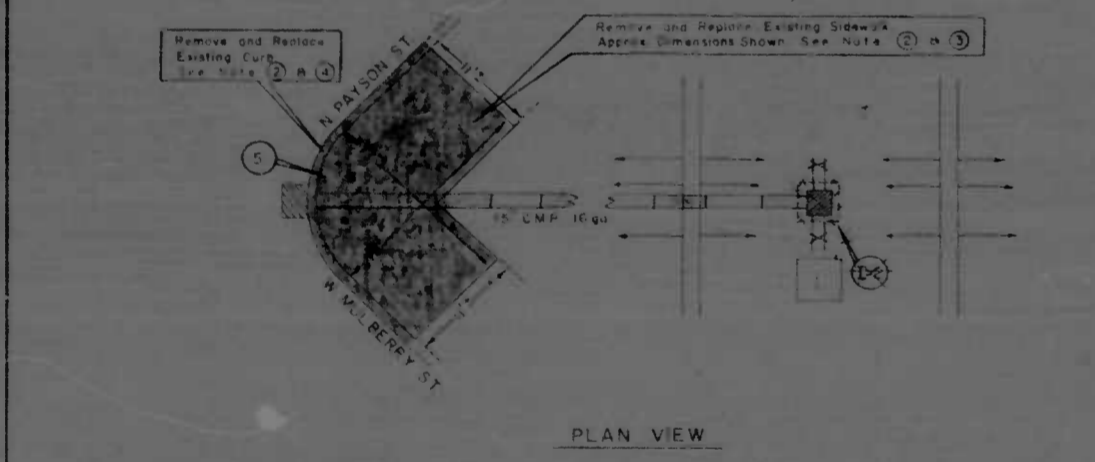
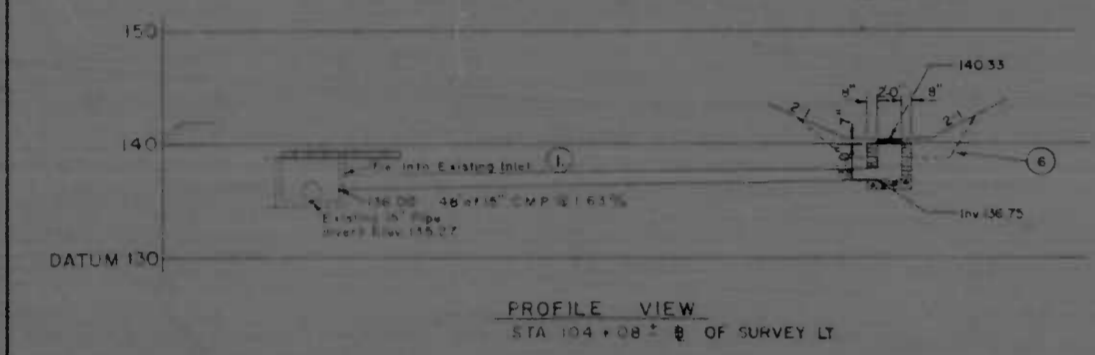
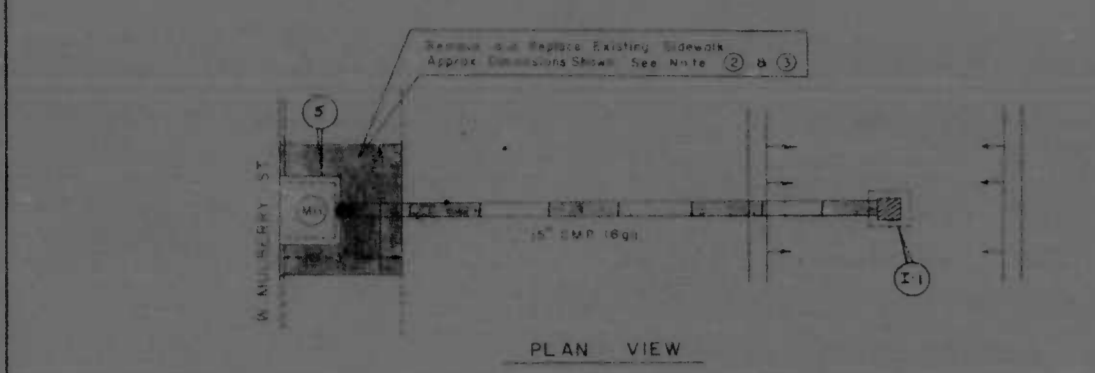
PLACED RIPRAP DITCH
Not to scale
(See Special Provisions)
See Sheet "P-1" For Location

REVISIONS	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS		STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY	
		DRAINAGE DETAILS	DRAWN BY LDH & DCH TRACED BY SA	DES. BY LDH & DCH CHK. BY LDH & DCH
		F.A.P. NO. I-170-8(5)2	S.R.C. NO. BC-259-4-815	BALTO. CITY NO. 2084
		SCALE AS SHOWN	DATE NOV 1972	

FILE NO.	PROJECT	DATE	SHEET NO.	TOTAL SHEETS
2	MD T-170-8(5)2		P-5	P-6 (33)

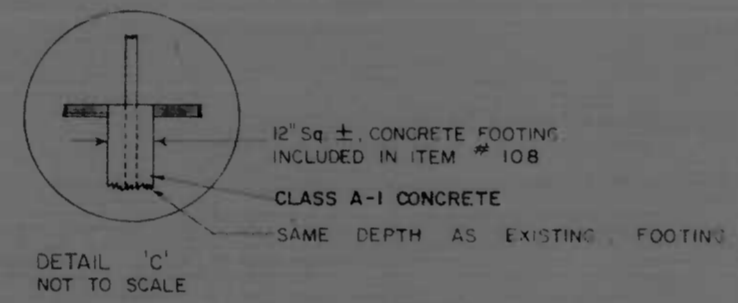
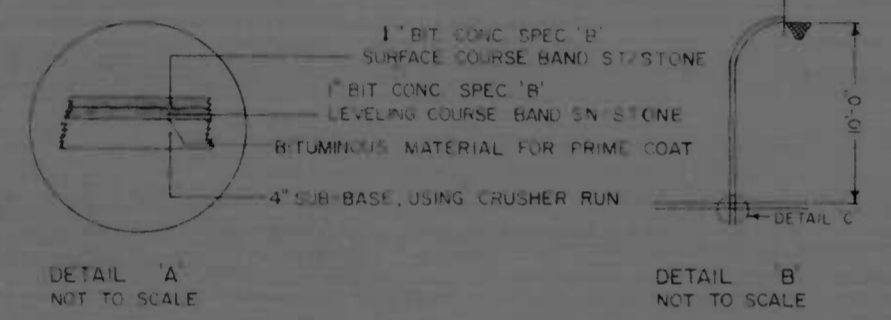
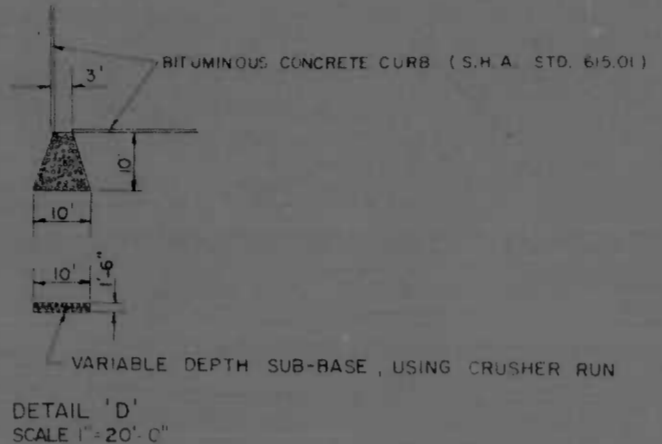
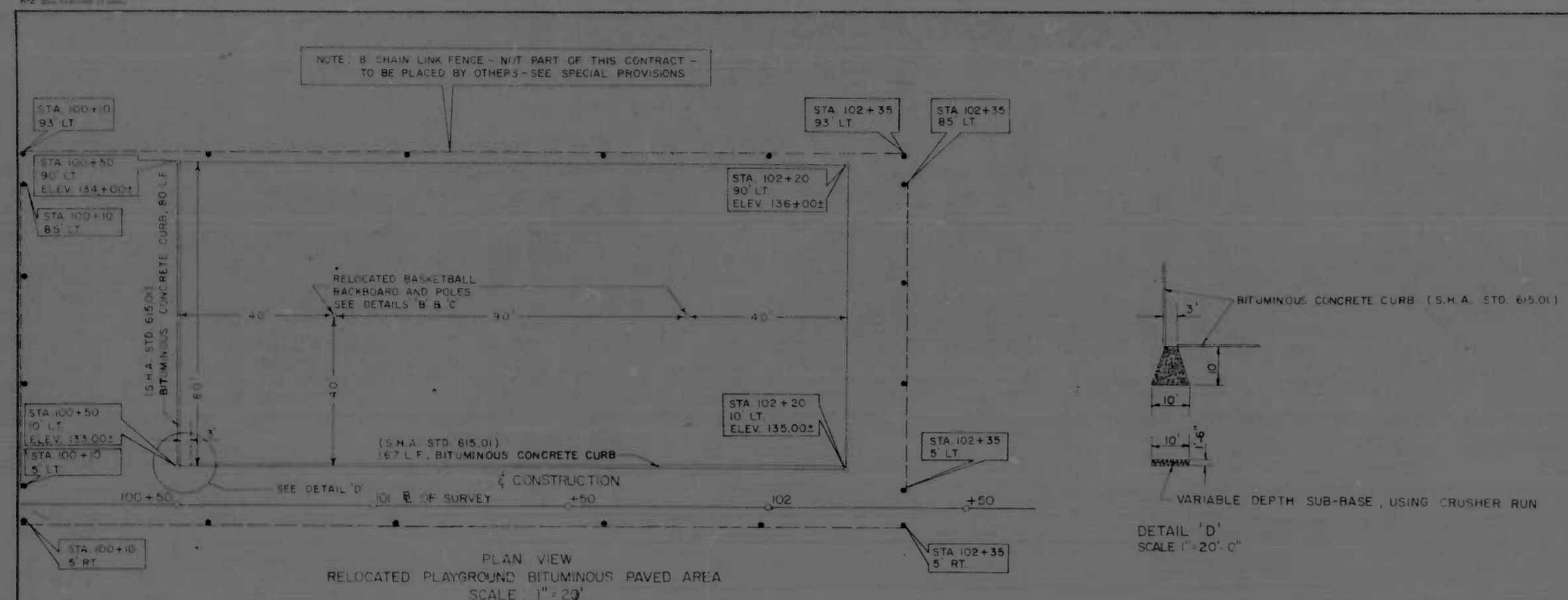
DRAINAGE NOTES

1. TIEING INTO EXISTING INLETS WILL BE PAID FOR UNDER ITEM NO 309
2. REMOVAL OF EXISTING CURB AND SIDEWALK TO BE INCLUDED IN ITEM NO 309
3. REPLACEMENT OF CURB UNDER ITEM NO 602
4. REPLACEMENT OF SIDEWALK UNDER ITEM NO 603
5. 1/4" PREFORMED EXPANSION JOINT FILLER TO BE INCLUDED IN ITEMS NO 602 & 603
6. TEMP GRADING LIMITS TO ALLOW INLET TO WORK AS A RISER DURING CONSTRUCTION OF PROJECT. SEE SHEETS NO P-2 & P-3 FOR APPROX LIMITS. THE YARD TYPE INLET WILL BE LEFT EXPOSED 1'-6" TO ACT AS A RISER DURING THE LIFE OF THE CONTRACT



STATION	DRAINAGE QUANTITIES		
	15' CMP 16 GA / L F	YARD TYPE INLET / EA	CURB / L F
104+00 OF SURVEY	46	1	11
105+05 OF SURVEY	132	1	35
113+00 OF SURVEY	22	1	12

REVISIONS 1. REVISIONS TO EXISTING CONTRACT	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS & STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY	
	DRAWN BY DCH TRACED BY ELY P.A.P. NO. 1-170-8(5)2 S.R.C. NO. BC-259-4-815	DES. BY DCH CHK. BY L.D.H. BALTO. CITY NO. 2084
SCALE: 1"=10' DATE: NOVEMBER, 1972	SHEET NO. P-6 P.5 OF 133	



RELOCATED PLAYGROUND NOTES

1. THE SITE PREPARATION FOR THE RELOCATED PLAYGROUND SHALL INCLUDE CLEARING AND GRUBBING, NECESSARY GRADING AND REMOVAL OF ANY DEBRIS. THE LIMITS OF SITE PREPARATION SHALL BE THE FENCING LIMITS AS SHOWN ON PLAN SHEET NO. P-1. IT SHALL BE PAID FOR UNDER ITEM NO. 107, RELOCATED PLAYGROUND SITE PREPARATION PER LUMP SUM BASIS.
2. THE RELOCATED BASKETBALL BACKBOARDS AND POLES SHALL BE PAID FOR UNDER ITEM NO. 108, REMOVING AND RESETTING EXISTING PLAYGROUND EQUIPMENT PER LUMP SUM BASIS.
3. 4\"/>

REVISIONS	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS		STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY	
	RELOCATED	PLAYGROUND	DRAWN BY: D.C.H. TRACED BY: DK & SAM	DES. BY: D.C.H. CHK. BY: L.D.H.
SCALE: AS SHOWN	DATE: NOVEMBER 9, 1972	F.A.P. NO. I-170-8(5)2	S.P.C. NO. BC-259-4-815	SHEET NO. P-6 OF (33)

STATION	GRADING		DRAINAGE				PAVING				SHOULDER					LANDSCAPING		UTILITY				REMARKS			
	CLASS '2' EXCAV (SEDIMENT BASIN)	REMOVAL OF EXISTING PAVEMENT	YARD TYPE INLET MIN. DEPTH	YARD TYPE INLET V.D.	BROKEN CONCRETE RIP RAP	15" C.M.P. 16 GA	4" SUB-BASE USING CRUSHER RUN	CRUSHER RUN AGGREGATE	BITUMINOUS MATERIAL FOR PRIME LOAT	BITUMINOUS CONC. SPEC. 'B' USING BAND ST. / STONE	BITUMINOUS CONC. SPEC. 'B' USING BAND ST. / STONE	BITUMINOUS CONC. CURB SPEC. 'B'	STANDARD TYPE B CURB 6" X 16"	5" CONCRETE SIDEWALK	6 FT. CHAIN LINK FENCE	TERMINAL POST FOR 6 FT. CHAIN LINK FENCE	GATE FOR CHAIN LINK FENCE	REMOVE EXISTING 6 FT. CHAIN LINK FENCE	SOLID SOODING	ABANDON & PLUG EXISTING SAN MANHOLE	6 IN. VITRIFIED CLAY PIPE EXTRA STRENGTH		STANDARD SAN MANHOLE 30" IN. COVER MIN. DEPTH	STANDARD SAN MANHOLE V.D.	REMODEL EXISTING SAN MANHOLE
	C.Y.	S.Y.	E.A.	L.F.	S.Y.	L.F.	S.Y.	TON	GAL	TON	TON	L.F.	L.F.	S.Y.	L.F.	E.A.	E.A.	L.F.	S.Y.	E.A.	L.F.	E.A.	L.F.	E.A.	
SHEET P-6 SW 100+50 TO STA 100+100							1511		530	84	84														10' LT. TO 90' LT.
STA 100+90+												80													10' LT. TO 90' LT.
STA 100+52+								7.3																	10' LT. TO 0' LT.
STA 100+53 TO STA 100+20+												167													10' LT.
SHEET U-3 STA 104+80+																									320' LT.
STA 104+80+ TO STA 107+72+																				292		1	7		320' LT.
STA 107+72+																									320' LT.
STA 108+62+																									287' LT.
STA 107+74+																									287' LT.
STA 107+74+																									87' LT.
TOTAL THIS SHEET							1511	7.3	530	84	84	247								3	292	1	7	1	TOTAL THIS SHEET
TOTAL	300	210	3	3	36	202	1511	7.3	530	84	84	247	35	51	3569	15	3	1066	394	3	292	1	7	1	TOTAL
	C.Y.	S.Y.	E.A.	L.F.	S.Y.	L.F.	S.Y.	TON	GAL	TON	TON	L.F.	L.F.	S.Y.	L.F.	E.A.	E.A.	L.F.	S.Y.	E.A.	L.F.	E.A.	L.F.	E.A.	

REVISIONS	CONSULTANT	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS	STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY
		INTERSTATE ROUTE 170-QUANTITIES N. PULASKI ST. TO N. FULTON AVE.	DRAWN BY SA B. D.C.H. TRACED BY J.Y. B. D.C.H. F.A.P. NO. I-170-B(5)2 S.R.C. NO. BC 272-4-615 BALTO. CITY NO. 2084
		DES. BY D.C.H. B.L.D.H. CHK. BY L.D.H. B.D.C.H.	SHEET NO. 10-4 Q-3 of (33)
		SCALE: NONE	DATE: NOV. 1972

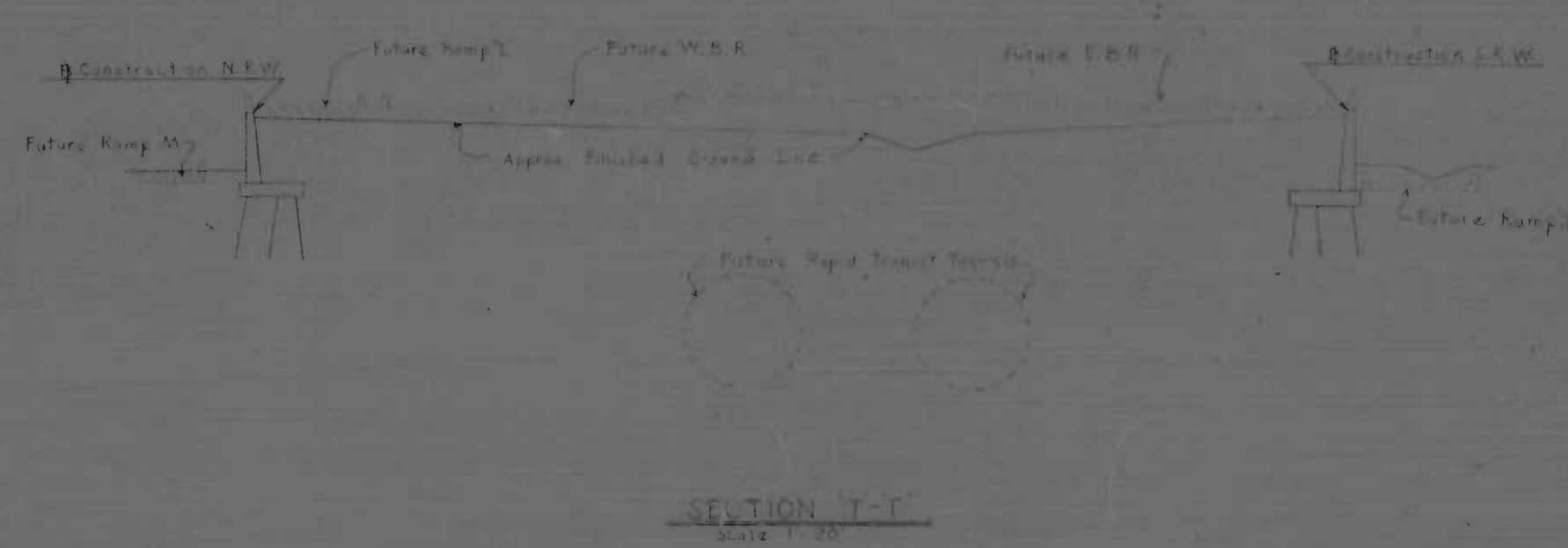
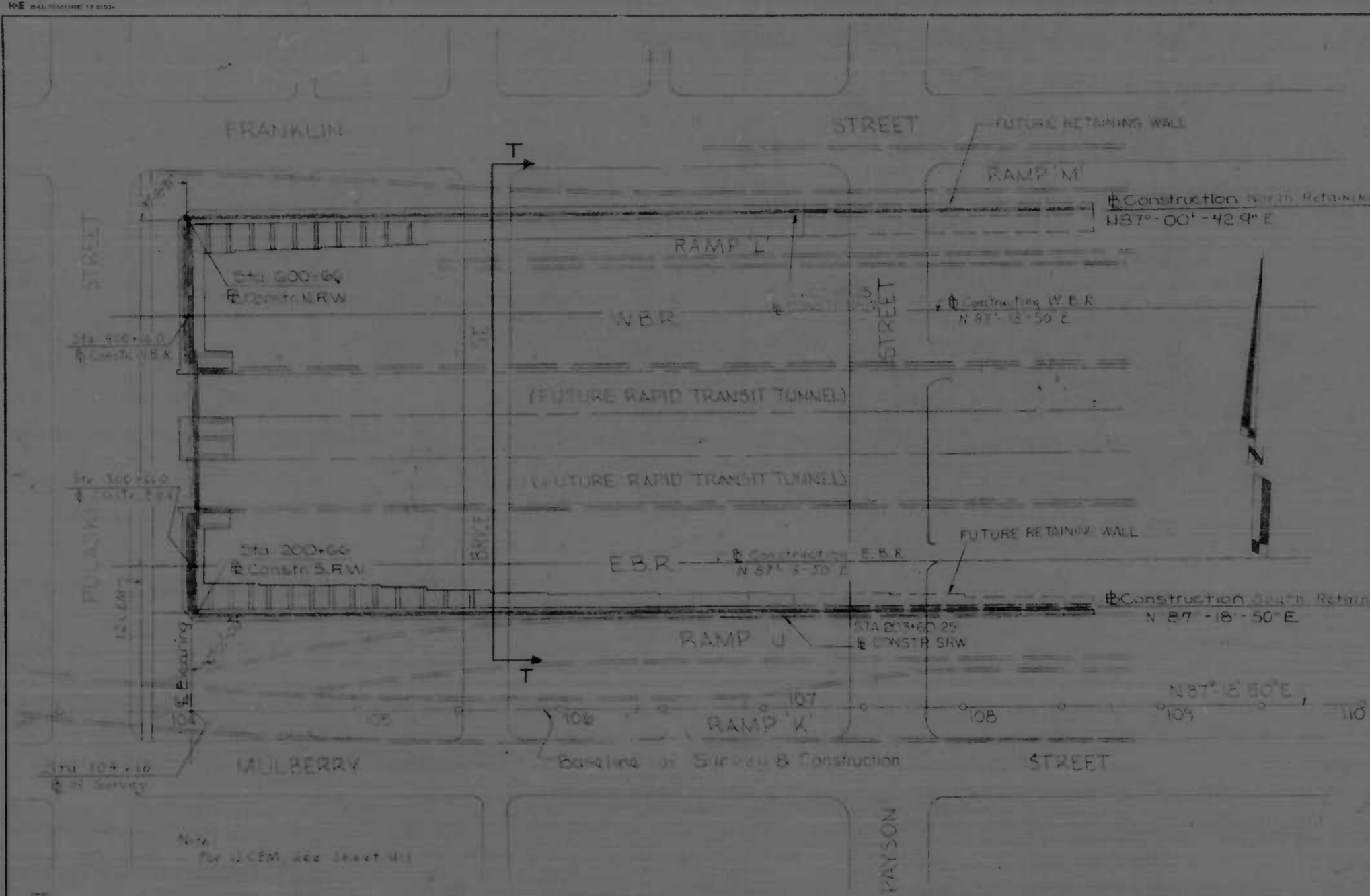
ALL QUANTITIES ARE FEDERAL AID PARTICIPATING - INTERSTATE

IDENT. NO.	PAY ITEM	UNIT	EST. QUANT.	CONT. QUANT.	PROP. QUANT.	FINAL QUANT.
PRELIMINARY ITEMS						
101	CLEARING & GRUBBING	L.S.	LUMP SUM		LUMP SUM	
102	ENGINEERS FACILITIES	L.S.	LUMP SUM		LUMP SUM	
103	MAINTENANCE OF TRAFFIC	L.S.	LUMP SUM		LUMP SUM	
104	CONSTRUCTION STAKEOUT	L.S.	LUMP SUM		LUMP SUM	
105	MOBILIZATION	L.S.	LUMP SUM		LUMP SUM	
106	ON THE JOB TRAINING	HRS.	2000		2000	
107	SITE PREPARATION FOR RELOCATED PLAYGROUND	L.S.	LUMP SUM		LUMP SUM	
108	REMOVAL & RESETTING PLAYGROUND EQUIPMENT	L.S.	LUMP SUM		LUMP SUM	
GRADING ITEMS						
201	CLASS '1' EXCAVATION	C.Y.	23973		23973	
202	CLASS '1-A' EXCAVATION	C.Y.		1000	1000	
203	CLASS '2' EXCAVATION	C.Y.	1200		1200	
204	CONTINGENT BORROW EXCAVATION	C.Y.		1000	1000	
205	TEST PIT EXCAVATION	C.Y.		300	300	
206	REMOVAL OF EXISTING PAVEMENT	S.Y.	210		210	
207	REMOVAL OF EXISTING MASONRY	C.Y.		10	10	
DRAINAGE ITEMS						
301	CLASS '3' EXCAVATION FOR INCIDENTAL CONSTRUCTION	C.Y.		50	50	
302	SELECTED BACKFILL USING NO. 6 AGGREGATE	C.Y.		15	15	
303	SELECT BACKFILL USING CRUSHER RUN	C.Y.		15	15	
304	CLASS 'P-1' CONCRETE FOR MISCELLANEOUS STRUCTURES	C.Y.		5	5	
305	ORDINARY BRICK MASONRY FOR MISCELLANEOUS STRUCTURES	C.Y.		5	5	
306	YARD TYPE INLET - MIN. DEPTH	EA.	3		3	
307	YARD TYPE INLET - V.D.	L.F.	3		3	
308	BROKEN CONCRETE RIP RAP	S.Y.	36		36	
309	15" C.M.P. 16 GAUGE TYPE A	L.F.	202		202	
STRUCTURE ITEMS						
401	CLASS '3' EXCAVATION FOR STRUCTURES	C.Y.	3000		3000	
402	SUBFOUNDATION DRILLING	L.F.	200		200	
403	10IN. STEEL HP BEARING PILES @ 57" FURNISHED, DRIVEN, ETC.	L.F.	15,850		15,850	
404	10IN. STEEL HP BEARING TEST @ 57" FURNISHED, DRIVEN, ETC.	L.F.	380		380	
405	10IN. STEEL HP BEARING PILES @ 57" PILE SPLICES	EA.	275		275	
406	FOOTING CONCRETE	C.Y.	1300		1300	
407	SUBSTRUCTURE CONCRETE FOR ABUTMENT	L.S.	LUMP SUM		LUMP SUM	
408	CLASS 'C' CONCRETE FOR SUBFOUNDATION	C.Y.		40	40	
409	STEM CONCRETE FOR RETAINING WALL	L.S.	LUMP SUM		LUMP SUM	
410	STEM CONCRETE FOR RETAINING WALL BETWEEN ABUTMENTS	L.S.	LUMP SUM		LUMP SUM	
411	STEM CONCRETE FOR COUNTERFORT RETAINING WALL	L.S.	LUMP SUM		LUMP SUM	
412	CONTINGENT CONC. FOR ABUTMENT AND RETAINING WALLS	C.Y.		140	140	

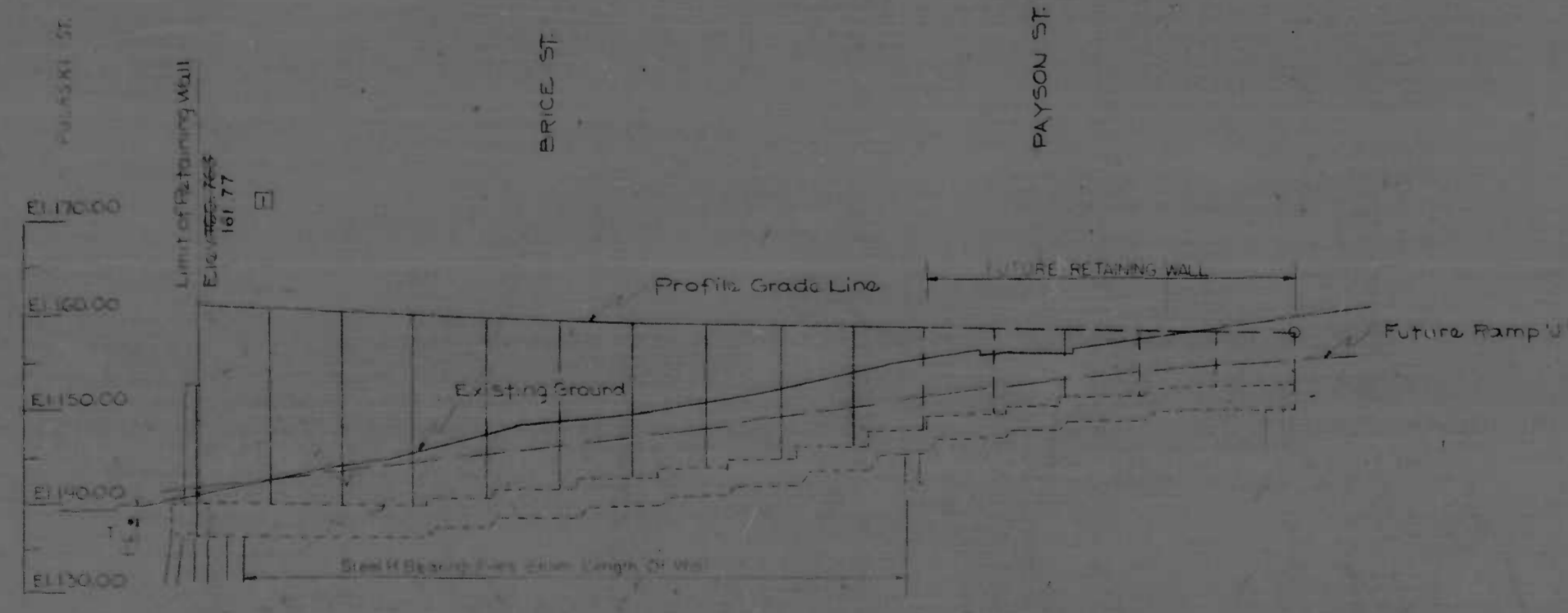
IDENT. NO.	PAY ITEM	UNIT	EST. QUANT.	CONT. QUANT.	PROP. QUANT.	FINAL QUANT.
PAVING ITEMS						
501	4" SUB-BASE, USING CRUSHER RUN	S.Y.	1511		1511	
502	CRUSHER RUN AGGREGATE	TON	73		73	
503	CRUSHER RUN AGGREGATE FOR MAINT. OF TRAFFIC	TON		25	25	
504	BITUMINOUS MATERIAL FOR PRIME COAT	GAL.	530		530	
505	BITUMINOUS CONC. SPEC. 'B' USING BAND ST/STONE	TON	84		84	
506	BITUMINOUS CONC. SPEC. 'B' USING BAND SN/STONE	TON	84		84	
507	BITUMINOUS CONC. SPEC. 'B' FOR MAINT. OF TRAFFIC STONE OR SLAG	TON		20	20	
508	CALCIUM CHLORIDE	TON		2	2	
SHOULDER ITEMS						
601	BITUMINOUS CONC. CURB SPEC. 'B'	L.F.	247		247	
602	STANDARD TYPE 'B' CURB 6"X16"	L.F.	35		35	
603	5" CONCRETE SIDEWALK	S.Y.	5		5	
604	6 FT. CHAIN LINK FENCE	L.F.	3569		3570	
605	TERMINAL POST FOR 6 FT. CHAIN LINK FENCE	EA.	15		15	
606	GATE FOR CHAIN LINK FENCE	EA.	3		3	
607	REMOVE EXISTING 8 FT. CHAIN LINK FENCE	L.F.	1066		1066	
LANDSCAPING ITEMS						
701	TOP SOIL FURNISHED & PLACED 2 IN. DEPTH - SLOPES	S.Y.	6343		6343	
702	TOP SOIL FURNISHED & PLACED 2 IN. DEPTH - FLAT AREAS	S.Y.	33004		33250	
703	TOP SOIL FURNISHED & PLACED 4 IN. DEPTH - PLAYGROUND	S.Y.	500		1000	
704	SEEDING & MULCHING - SLOPES	S.Y.	6343		6500	
705	SEEDING & MULCHING - FLAT AREAS	S.Y.	33004		33250	
706	SEEDING & MULCHING - PLAYGROUND	S.Y.	500		1000	
707	SOLID SODDING	S.Y.	1354		1500	
UTILITY ITEMS						
801	8IN. VITRIFIED CLAY PIPE EXTRA STRENGTH	L.F.	292		300	
802	STANDARD SAN. MANHOLE, 30IN. COVER - MIN. DEPT.	EA.	1		1	
803	STANDARD SAN. MANHOLE, - V.D.	L.F.	7		7	
804	REMODEL EXISTING SAN. MANHOLE	EA.	1		1	
805	ABANDON & PLUG EXISTING SAN. MANHOLE	EA.	3		3	
806	CLASS 'C' CONCRETE FOR UTILITIES	C.Y.		5	5	

REVISIONS	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS		STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY	
	INTERSTATE ROUTE 170 - QUANTITIES N. PULASKI ST. TO N. FULTON AVE.		DRAWN BY S.A.E. D.C.H. CHECKED BY J.V.Y. E. D.C.H. P.A.P. NO. I-170-B(5)2 K.R.C. NO. BC-259-4-815	DES. BY D.C.H. & L.D.H. CHK. BY L.D.H. & D.C.H. SHEET NO. Q-4 of Q-4
SCALE: NONE		DATE: NOV 1972		BALTO. CITY NO. 2084 Q-4 of Q-4

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
2	MD.	1-170-5(1)2	11	112



PLAN
Scale: 1" = 40'-0"



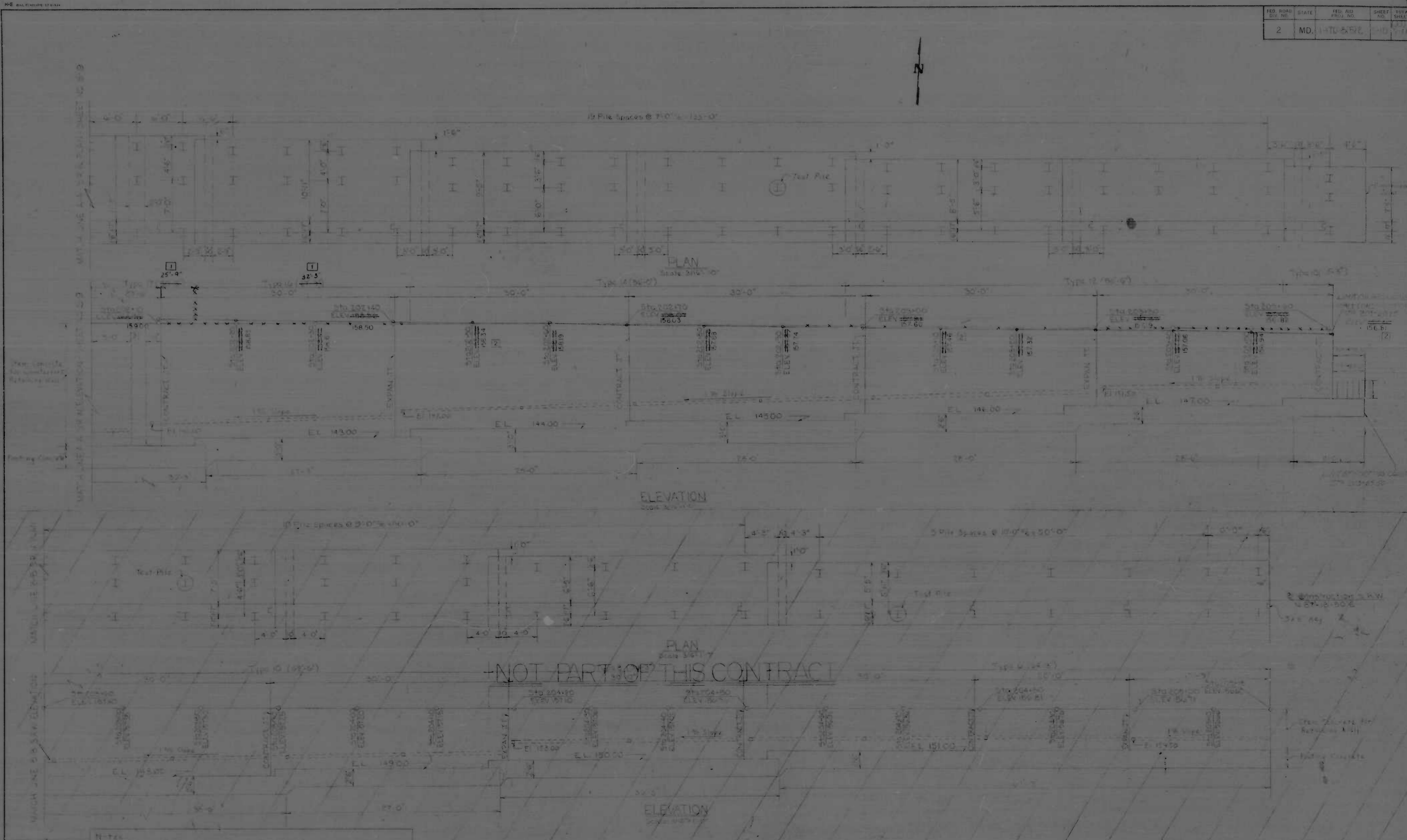
ELEVATION
Scale: Hor. 1" = 40'
Vert. 1" = 10'

GENERAL NOTES

1. Specifications: S.R.C. Specifications and Errata to Specifications dated March 1968 and Special Provisions for Materials & Construction A.A.S.H.O. Standard Specifications for Highway Bridges dated 1969 for design. For Reinforced Concrete Design $f_c = 1200$ psi.
2. Loading: HS 20-44 or 2-24,000 lb. axle's spaced 4' apart which ever governs; with provisions for a future 2" wearing surface.
3. Concrete: Class "A-1" Concrete shall have a minimum compressive strength of 3,000 p.s.i. at 28 days.
4. Chamfer: All exposed edges of concrete shall be chamfered $3/4 \times 3/4$ with milled chamfer strips, except where indicated by the following notation on plans: "Do Not Chamfer".
5. 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 unless otherwise noted. Minimum cover for any bar shall be 3" unless otherwise noted.

REVISIONS 1 7-18-73 REVISED WALL ELEVATIONS	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS & STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY	
	GENERAL PLAN & ELEVATION	
SCALE: AS SHOWN DATE:	DRAWN BY: J.A.S.C.M.C. TRACED BY: J.A.S.C.M.C. F.A.P. NO. I-170-B(5)E S.R.C. NO. 13-231-5-B BALTO. CITY NO. 20874	DES. BY: K.D.M. CHK. BY: J.A.S.C.M.C. SHEET NO. 11 OF 112

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
2	MD.	1470-8-572	11	174



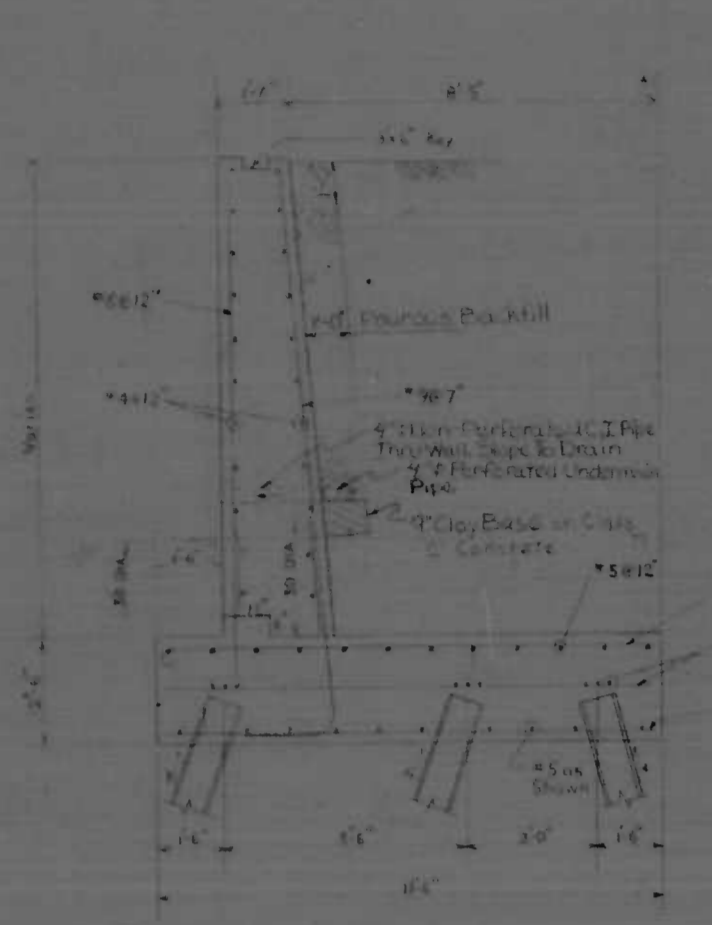
NOTES:
 1. See Typical Sections, see sheets 501 & 502.
 2. See Printing Details, Revision 1, Contract Documents 501 & 502.
 3. Wall height measurements are to top of finished ground line.
 4. For tie details, see Typical Sections.

REVISIONS
1) 4/29/73 REVISED WALL TYPE LIMITS
2) 7/18/73 REVISED WALL ELEVATIONS

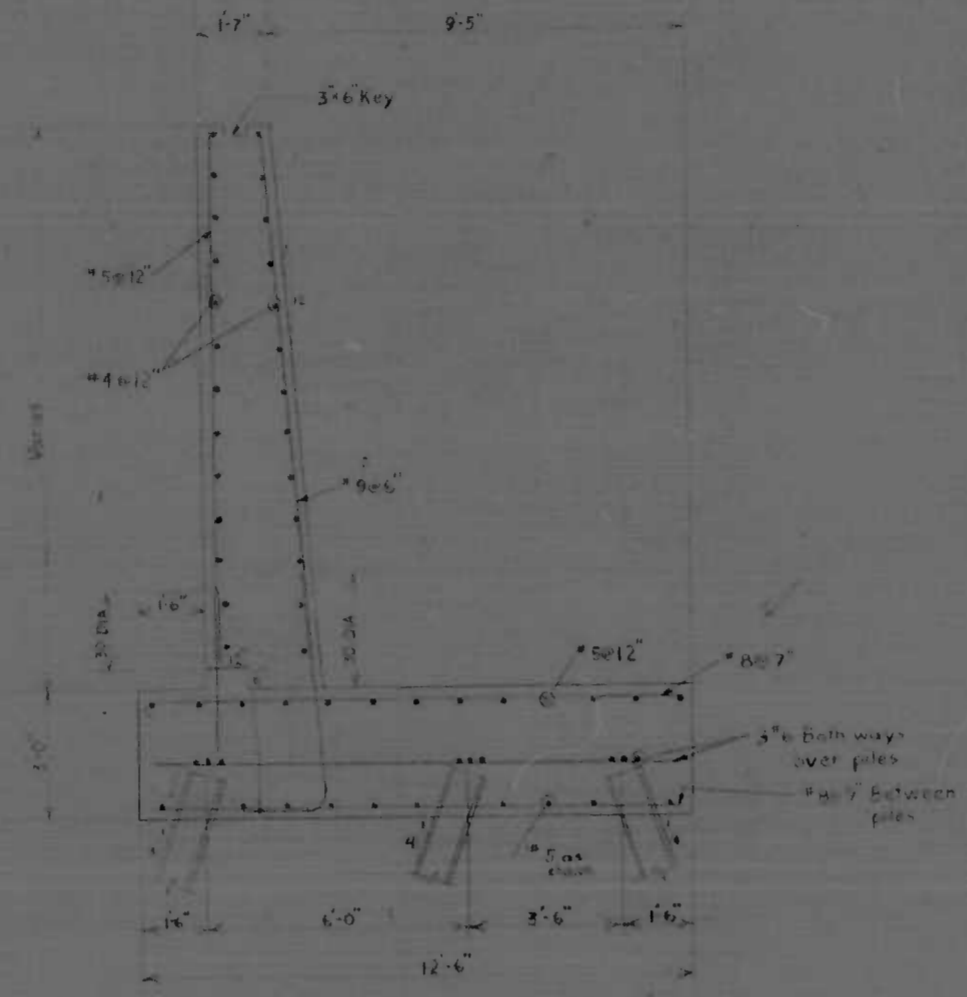
CITY OF BALTIMORE
 DEPARTMENT OF PUBLIC WORKS &
 SOUTH RETAINING WALL
 PLAN AND ELEVATION
 SCALE: AS SHOWN DATE: Feb. 23, 1972

STATE ROADS COMMISSION OF MARYLAND
 INTERSTATE DIVISION FOR BALTIMORE CITY
 DRAWN BY: J.A.S.
 TRACED BY: J.A.S.
 F.A.P. NO. 1470-8-572
 S.R.C. NO. 2-157-4-513
 BALTO. CITY NO. 2004
 DES. BY: J.K.G.
 CHK. BY: J.K.G.
 SHEET NO. 11
 11 OF 174

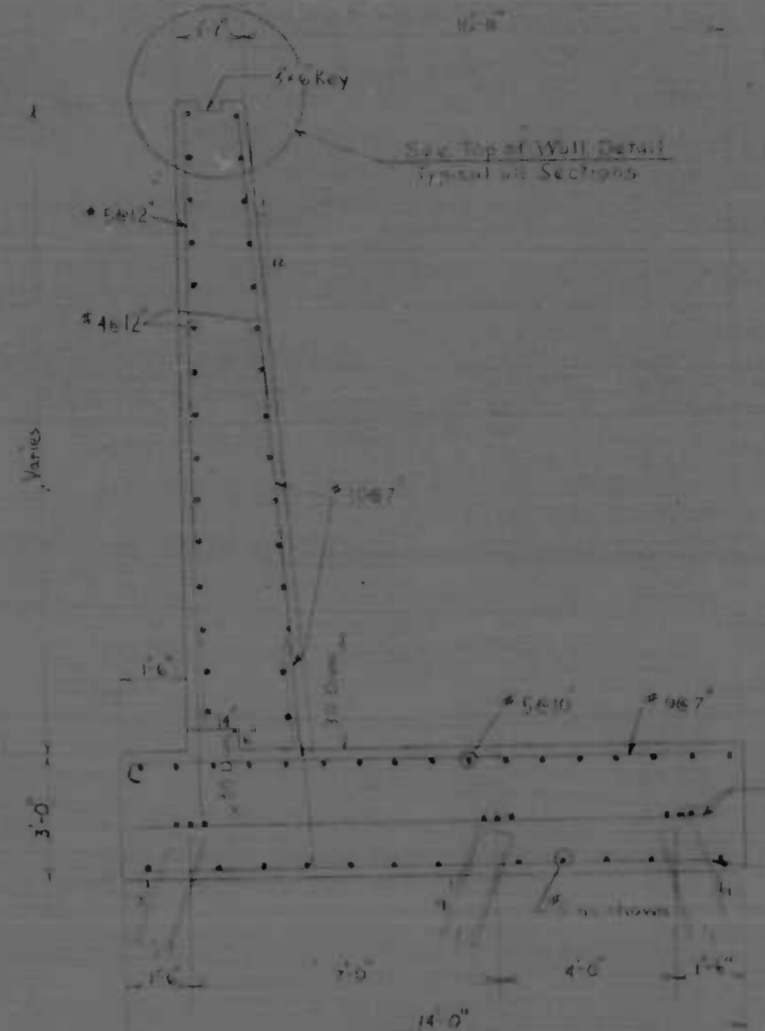
FED. ROAD DIST. NO.	STATE	FED. PROJ. NO.	SHEET NO.	TOTAL SHEETS
2	MD.	1-70-6(5)2	5 of 11	11



WALL TYPE 12
Scale: 3/8" = 1'-0"

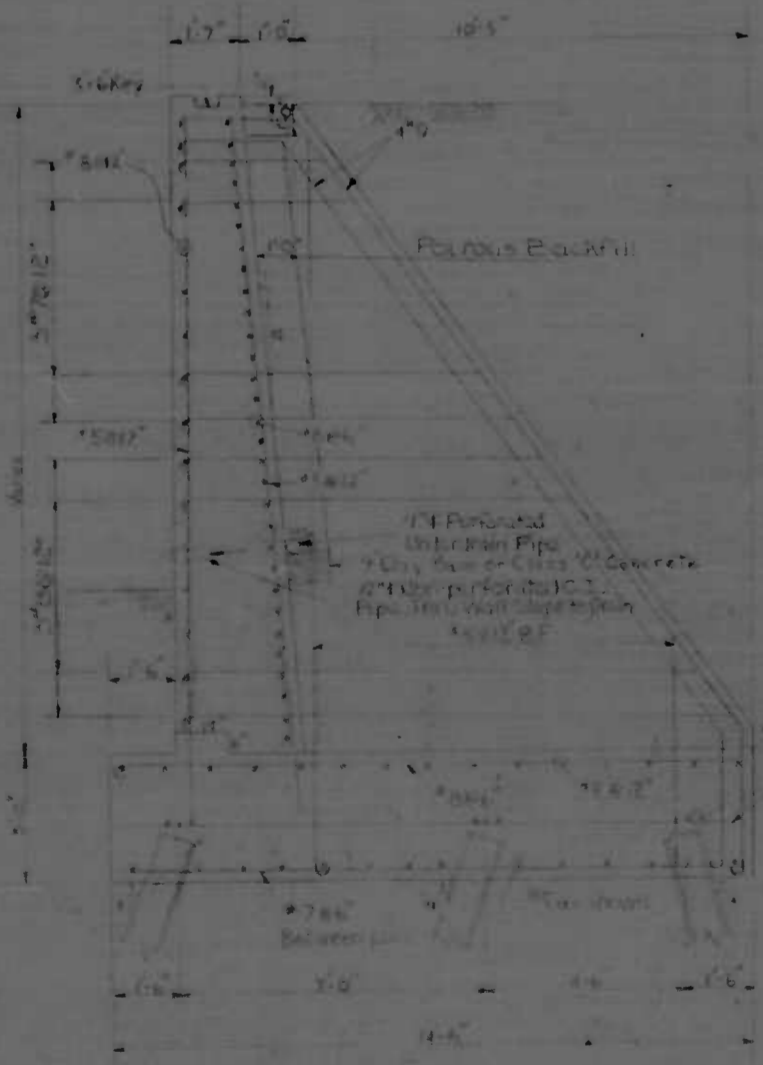


WALL TYPE 14
Scale: 3/8" = 1'-0"

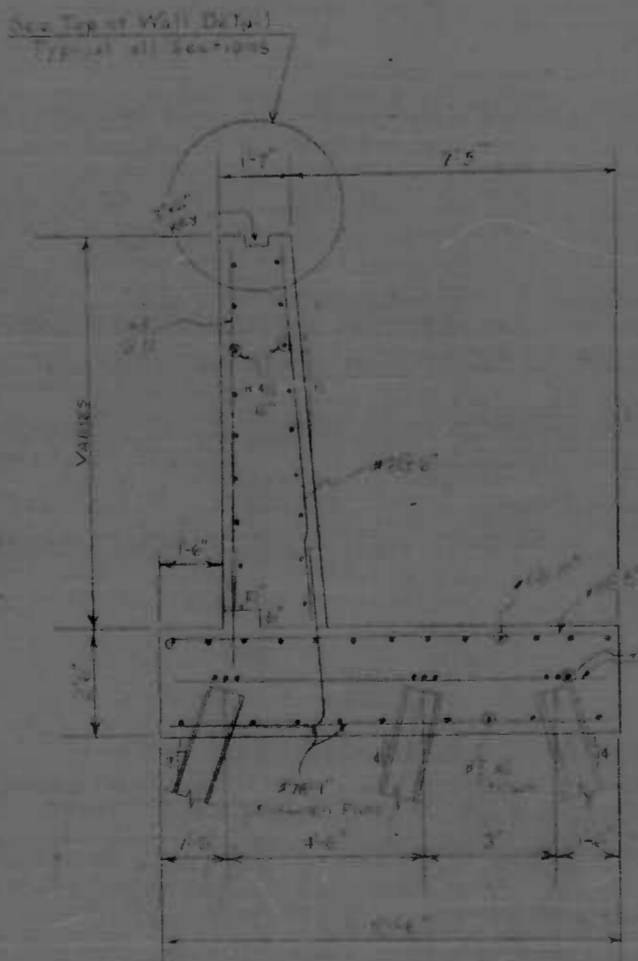


WALL TYPE 16
Scale: 3/8" = 1'-0"

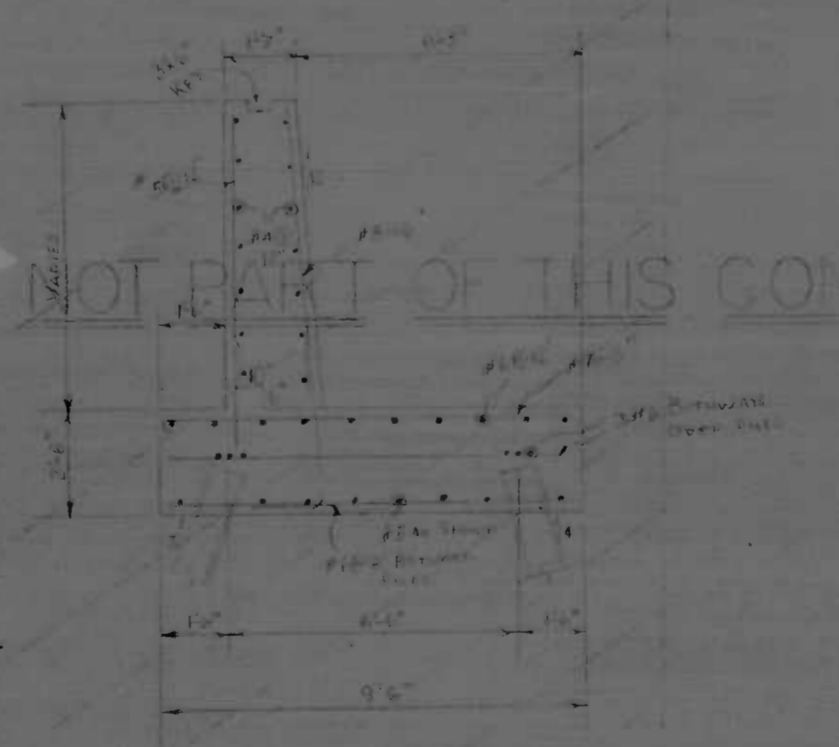
- Notes:
1. Pouring Backfill and Underdrain is Typical for all sections.
 2. For Top of Wall Detail, See Sheet 5-13.
 3. All Reinforcement shall have a Minimum Embedment and/or Splice of 30 Bar Diameter.
 4. All piles shall be Steel Bearing Piles NF10157 Driven to a minimum Lateral Bearing Value of 90 Tons.
 5. For Pile Splice Detail, See sheet 5-13.



WALL TYPE 17
Scale: 3/8" = 1'-0"



WALL TYPE 10
Scale: 3/8" = 1'-0"



WALL TYPE 8
Scale: 3/8" = 1'-0"

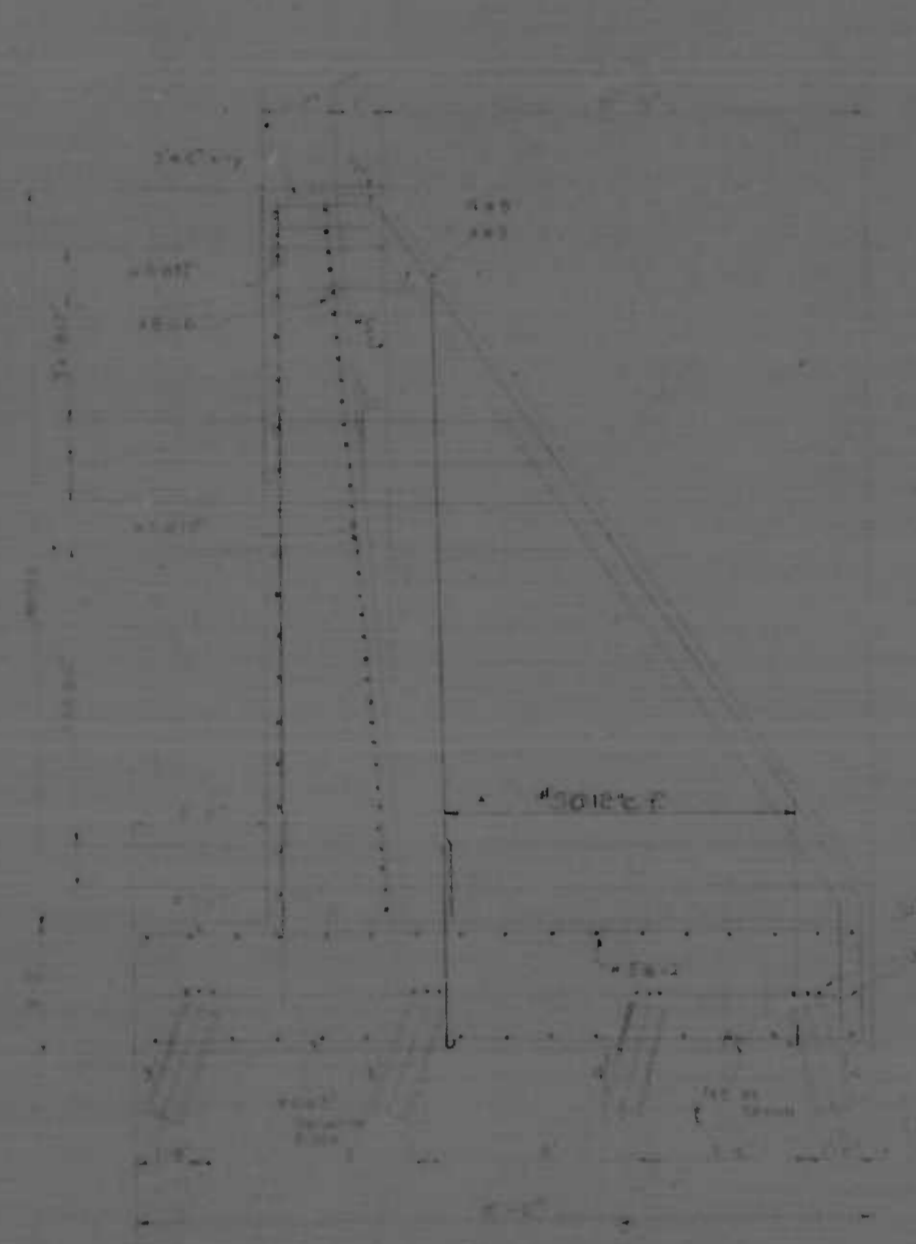


WALL TYPE 9
Scale: 3/8" = 1'-0"

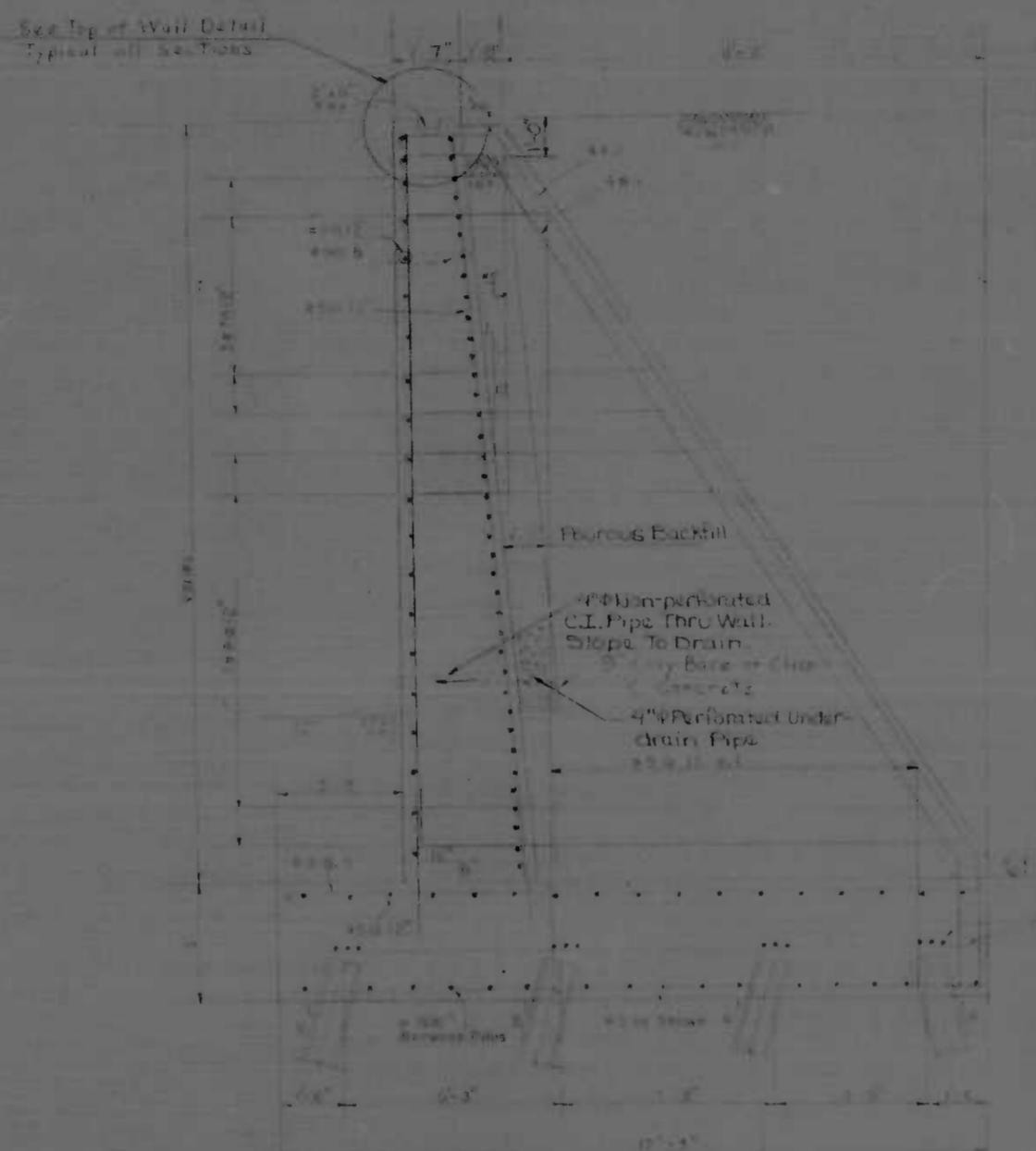
NOT PART OF THIS CONTRACT

REVISIONS	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS		STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY	
	RETAINING WALLS TYPICAL SECTIONS			
	DRAWN BY: E.J.M.	DES. BY: J.R.V.	F.A.P. NO.: 1-70-6(5)2	SHEET NO.: 5 of 11
	TRACED BY: E.J.M.	CHK BY: J.R.V.	S.R.C. NO.: 66-20-4-B19	13 of 14
SCALE: AS SHOWN		DATE: MARCH 3, 1970		BALTO. CITY NO.: 2081

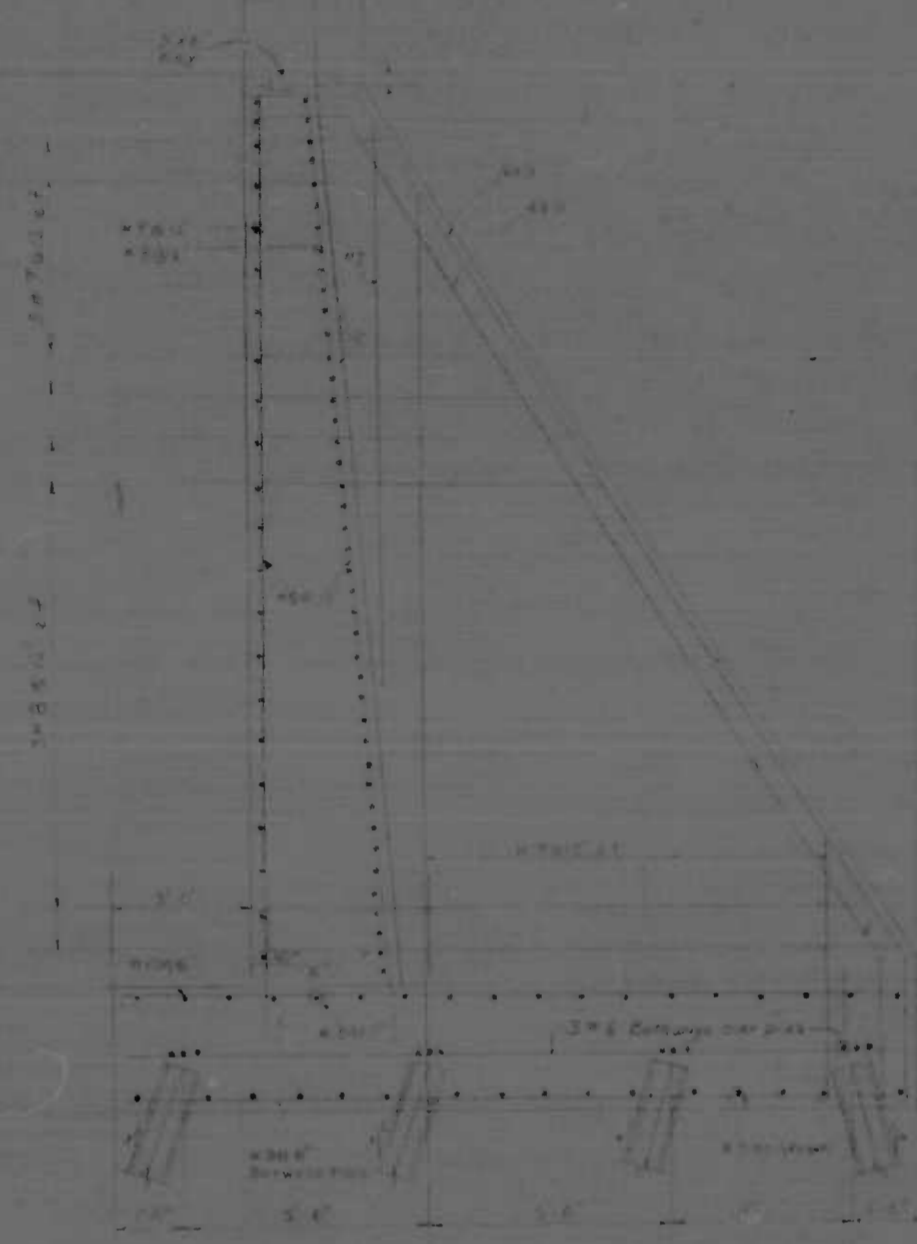
FED. ROAD DIST. NO.	STATE	F.D. PROJ. NO.	SHEET NO.	TOTAL SHEETS
2	MD.	1-170-5002	12	116



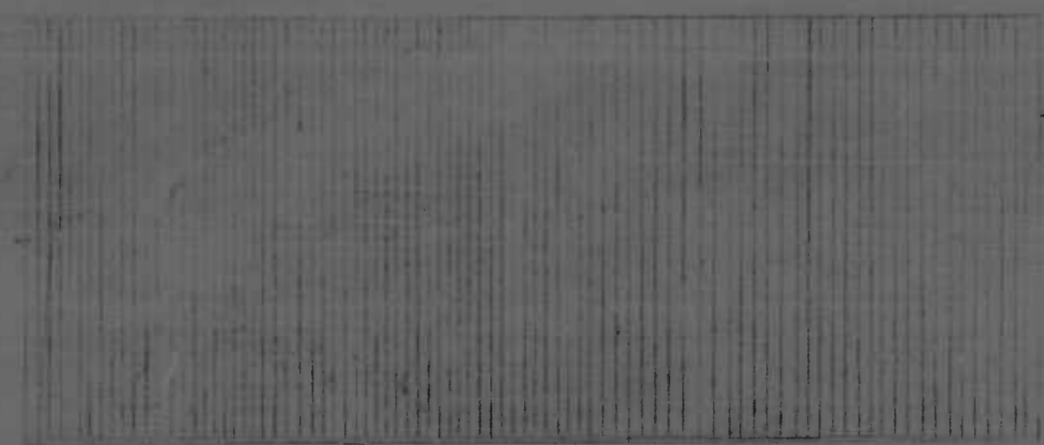
WALL TYPE 18
SCALE: 1/4" = 1'-0"



WALL TYPE 20
SCALE: 1/4" = 1'-0"

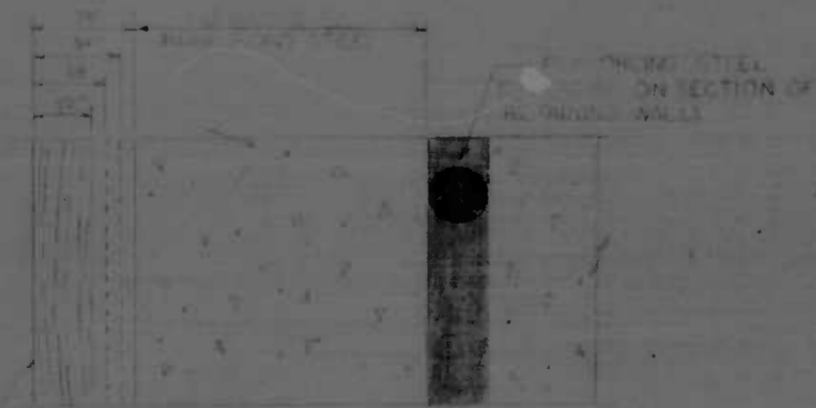


WALL TYPE 22
SCALE: 1/4" = 1'-0"



ARCHITECTURAL TREATMENT
NORTH AND SOUTH RETAINING WALLS
Not To Scale
PARTIAL ELEVATION

Form Lines
(Edge to be Faced Side), Random Thickness
1/2", 5/8", 3/4", 5/8", 7/8" (Typ. All Panels Face of Wall)

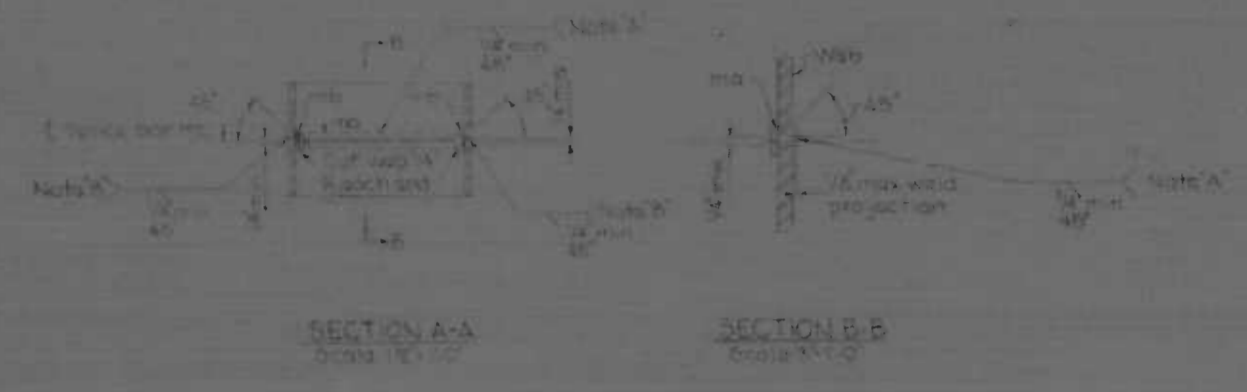
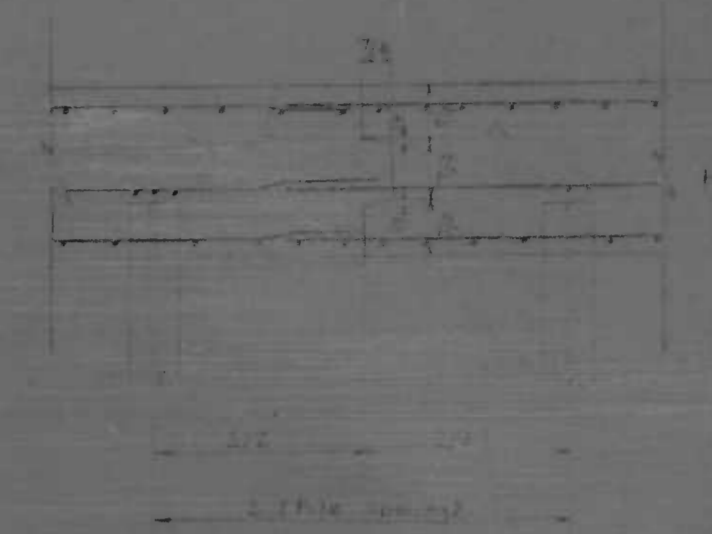
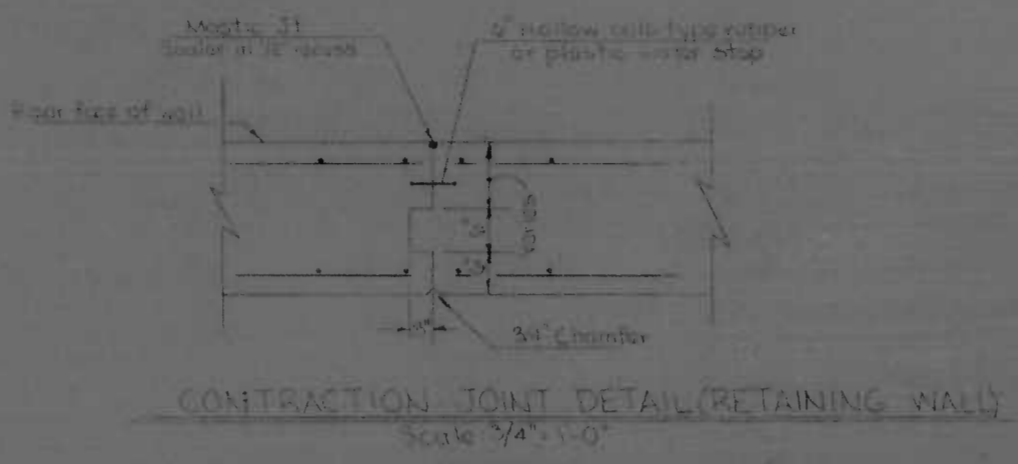
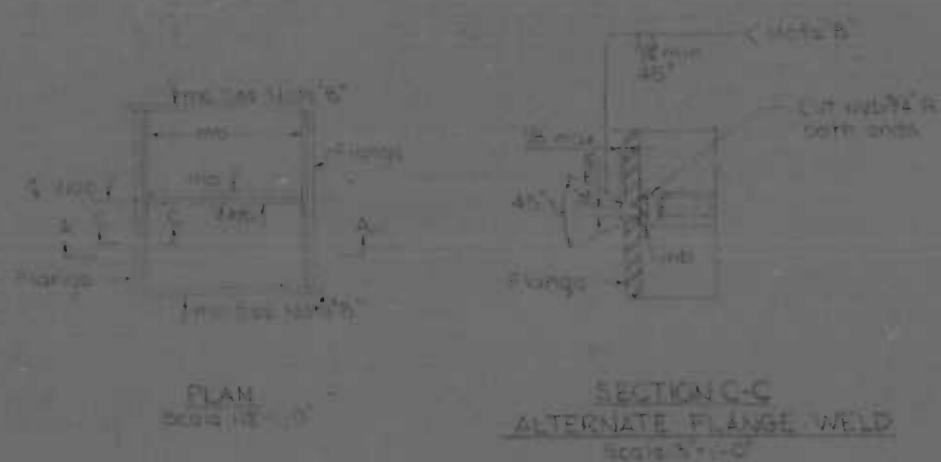


TYPICAL SECTION THROUGH FORM LINERS
SCALE: 1/4" = 1'-0"

- NOTES:
1. Backfill Backfill and Underwall to Detail for all Sections.
 2. For Top of Wall Detail, See Sheet 1-15.
 3. A Reinforcement Steel Deck Minimum Encasement and/or fabric of 30 Bar Spacing.
 4. All pipes shall be steel bearing pipes HP 30x33 Driven to a Minimum Safe Bearing Value of 30 Tons.
 5. For Pipe Splice Detail, See Sheet 1-13.

REVISIONS	

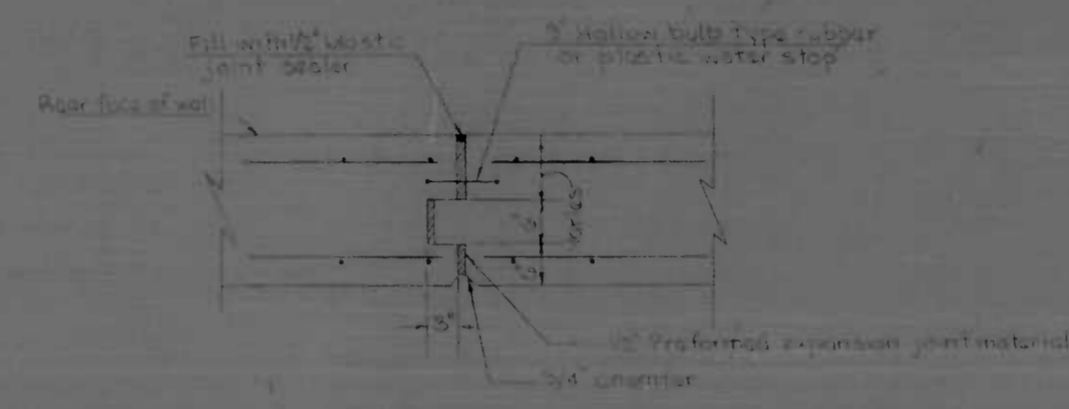
CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS		STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY	
RETAINING WALLS TYPICAL SECTIONS		DRAWN BY: K.D.M.	DES. BY: K.D.M.
SCALE: AS SHOWN		TRACED BY: J.S.V.	CHK. BY: J.S.V.
DATE: 10/21/72		F.P. NO.: 1-170-5002	SHEET NO.: 12
		S.R.C. NO.: 2024-50	TOTAL SHEETS: 116
		BALTO. CITY NO.: 2024	



PILE SPLICE DETAILS

Note A: End of pile to be smooth and flush with web cut.
 Note B: For m/c to be tack welded to flange of splice to back up end of flange weld. Remove m/c after weld is completed. End of weld must be smooth and flush with edge of flange. Grind weld smooth with edge of flange if pile is unsupported in weld zone such as in air, water or soft mud.

Material required:
 1. Bar m/c 2 x 2 1/2 x 2 1/2
 2. Bar m/c 2 x 2 1/2 x 2 1/2
 3. Bar m/c 2 x 2 1/2 x 1 1/2

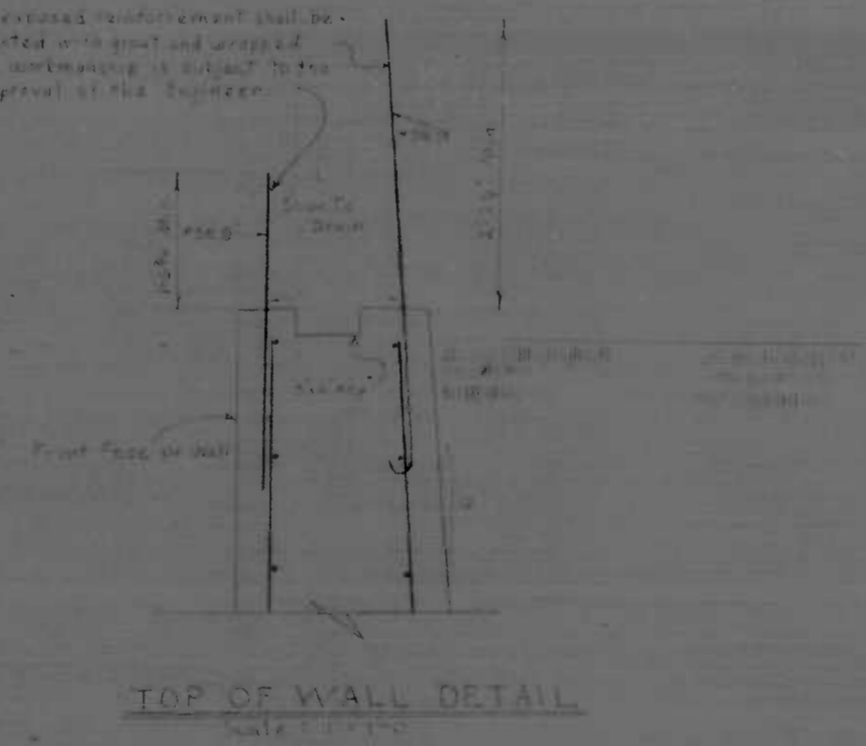
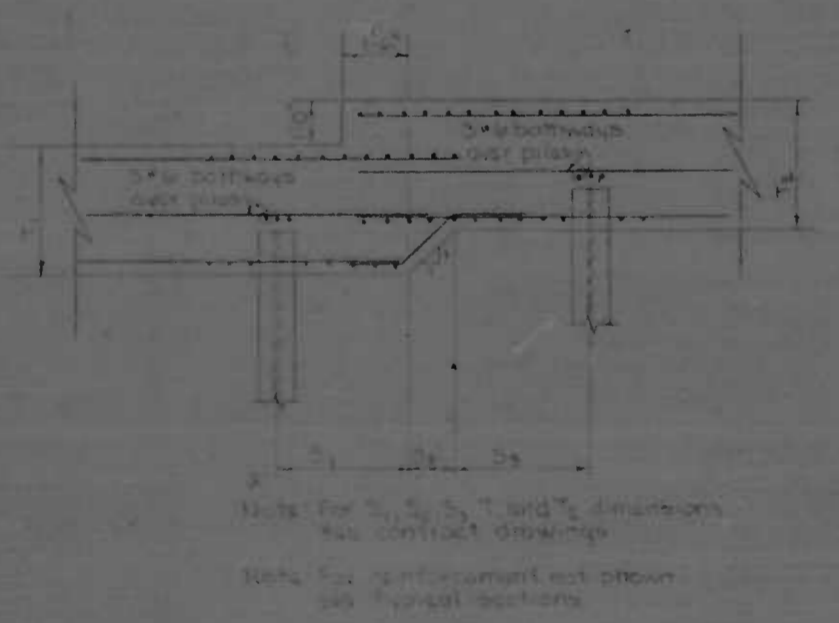


FOOTING CONSTRUCTION JOINT DETAIL (OPTIONAL)
 Not to scale

Notes:
 1. For 2:1:1 Dimensions see Contract drawings.
 2. For reinforcement see Contract drawings.
 3. The use and placement of construction joints in retaining walls is subject to the approval of the Engineer.

EXPANSION JOINT DETAIL (RETAINING WALL)
 Scale 3/4" = 1'-0"

All exposed reinforcement shall be protected with paint and wrapped. The workmanship is subject to the approval of the Engineer.

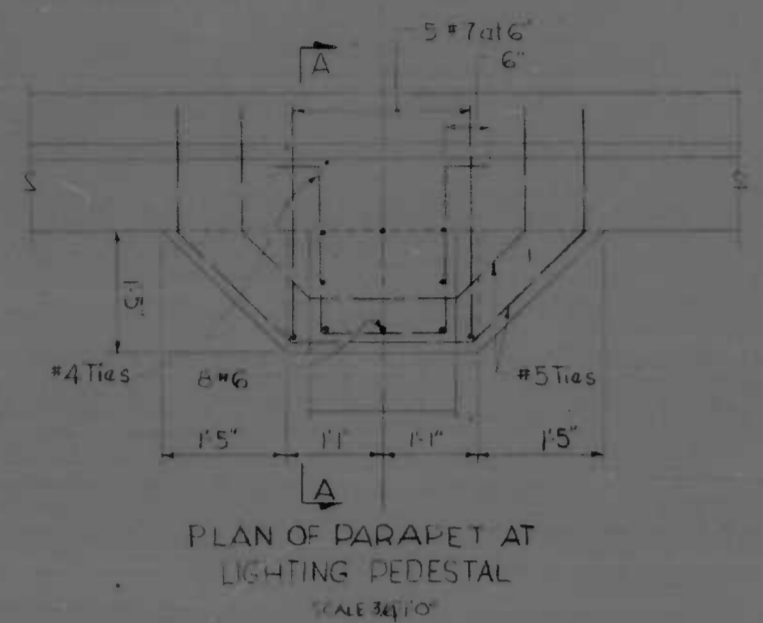


FOOTING DETAILS
 Not to scale

TOP OF WALL DETAIL
 Scale 1/2" = 1'-0"

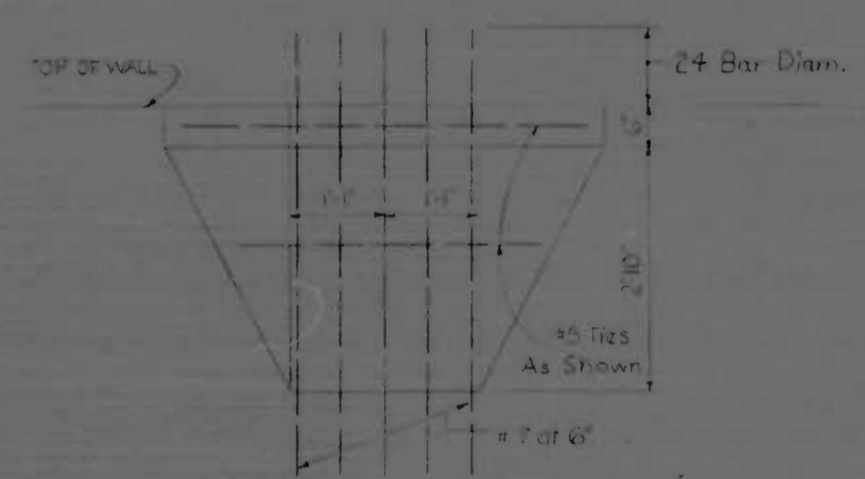
REVISIONS	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS		STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY	
	MISCELLANEOUS DETAILS		DRAWN BY: S.M.	DES. BY: S.M.
			TRACED BY: S.M.	CHK. BY: J.S.G.
			F.A.P. NO. 170-8(50)	SHEET NO. 53
		SCALE: AS SHOWN	DATE: August 1950	of 54

PROJECT	DATE	DESIGNER	SHEET NO.	TOTAL SHEETS
MD. I-170-8(5)2		S-13A	5	16

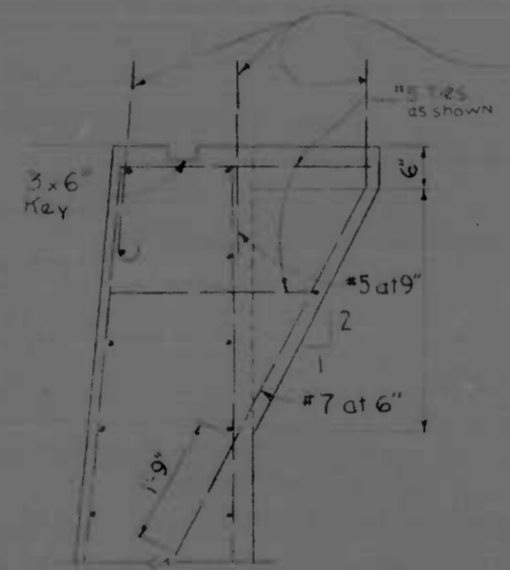


PLAN OF PARAPET AT LIGHTING PEDESTAL
SCALE 3/4"=1'-0"

- LIGHTING PEDESTAL LOCATIONS:
- North wall Sta 600+87
 - North wall Sta 601+92
 - North wall Sta 602+97
 - South wall Sta 200+86
 - South wall Sta 201+91



ELEVATION OUTSIDE FACE OF WALL
SCALE 3/4"=1'-0"

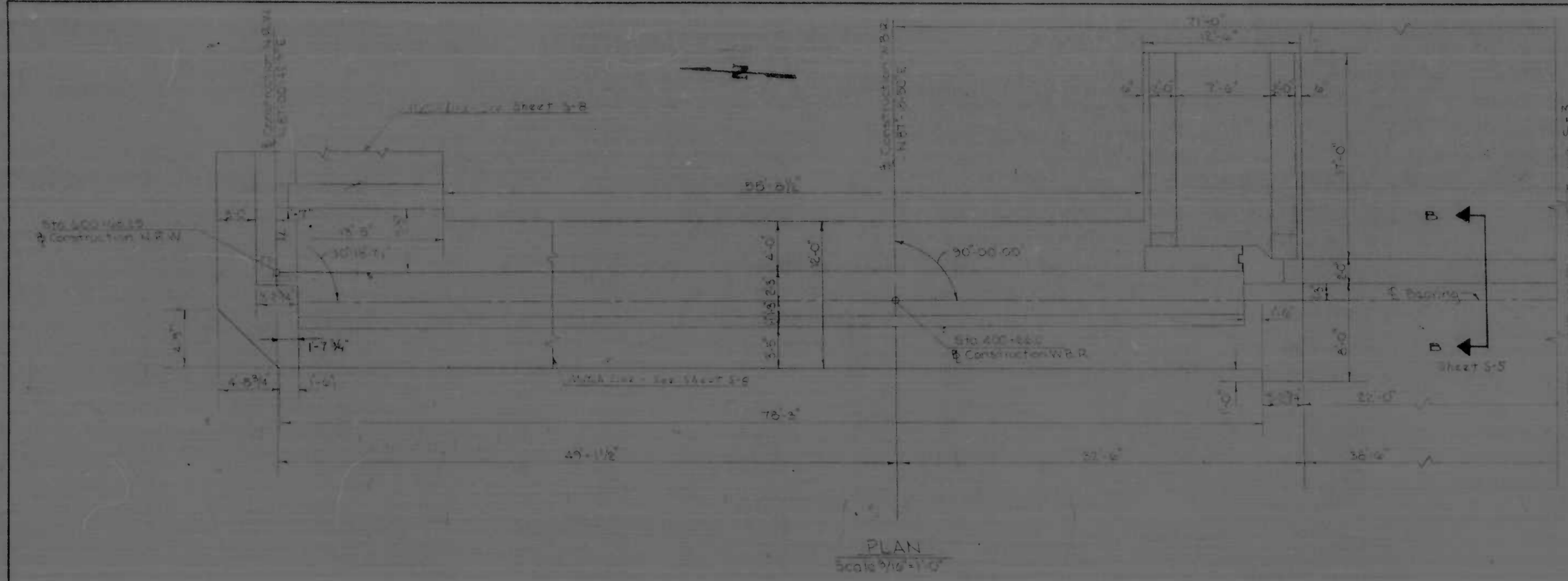


SECTION A-A
SCALE 3/4"=1'-0"

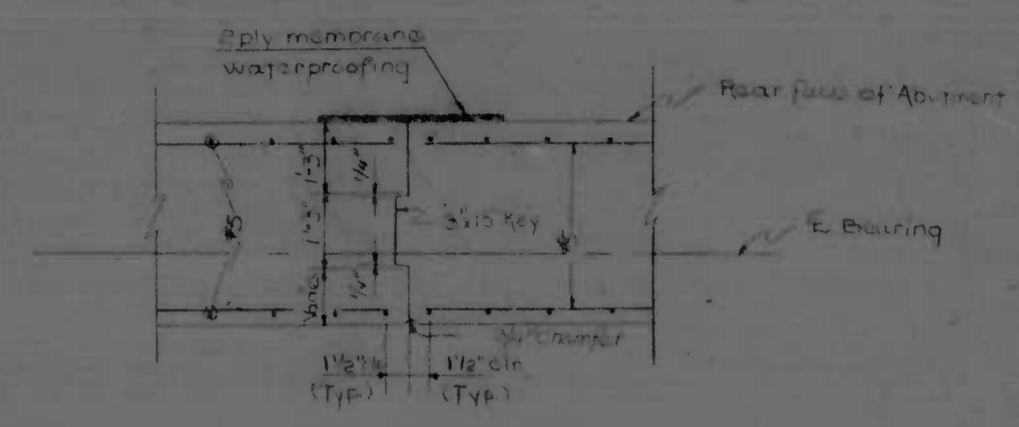
All exposed reinforcement shall be painted with grout and wrapped. The workmanship is subject to the approval of the Engineer.

REVISIONS Add to Contract 9/28/73	CONSULTANT	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS		STATE HIGHWAY ADMINISTRATION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY	
		MISCELLANEOUS DETAILS		DRAWN BY: DF TRACED BY: DF	DES. BY: E.G.H. CHK. BY: K.D.M.
SCALE: AS SHOWN		DATE: SEPT 25, 1973		F.A.P. NO.: I-170-8(5)2 S.R.C. NO.: BC-259-4-815 BALTO. CITY NO.: 2084	SHEET NO. 5 5-13A of 216

F.P. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
2	MD.	1-70-5(5)2	52	516

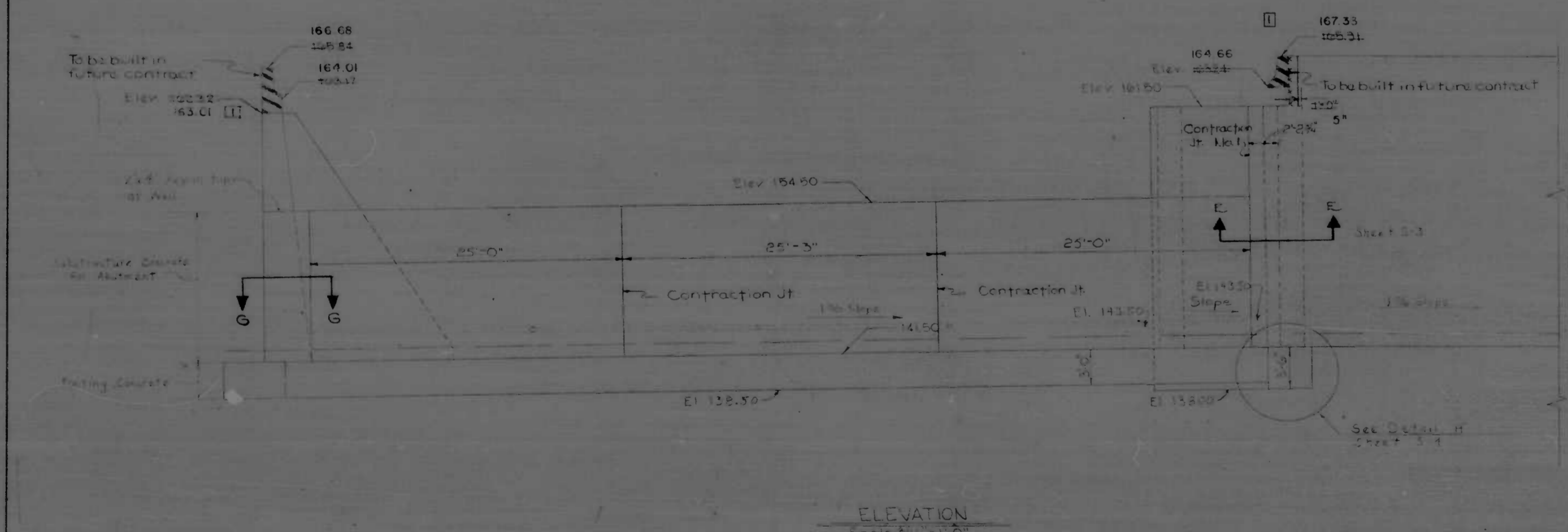


PLAN
Scale 3/16" = 1'-0"

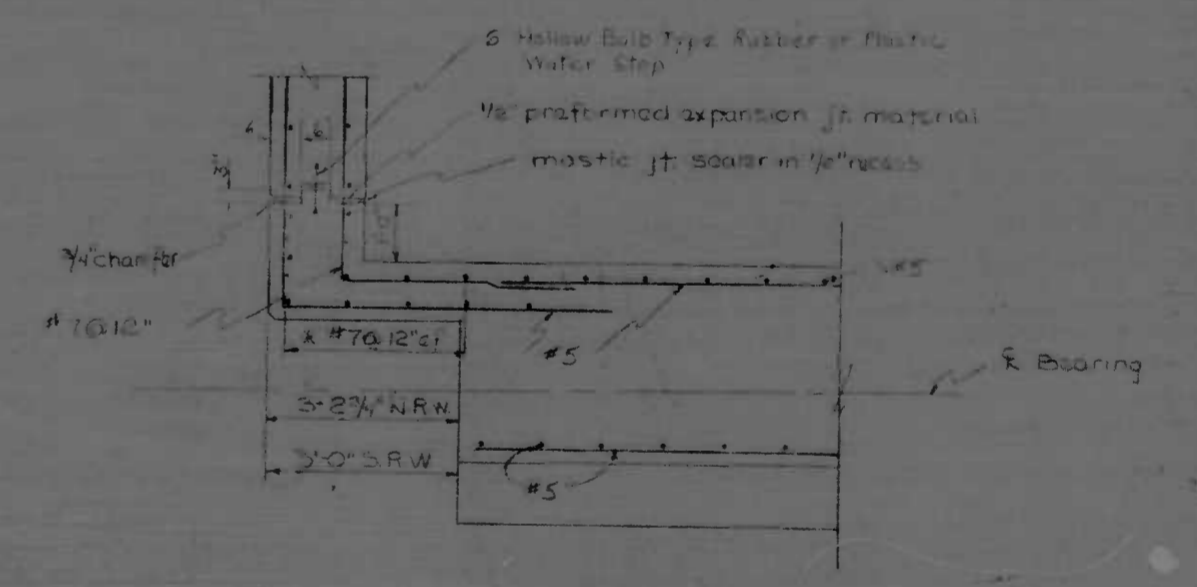


ABUTMENT CONTRACTION JT.
Scale: 1/2" = 1'-0"

Note:
See Typical Sections for Reinforcement Not Shown.



ELEVATION
Scale 3/16" = 1'-0"



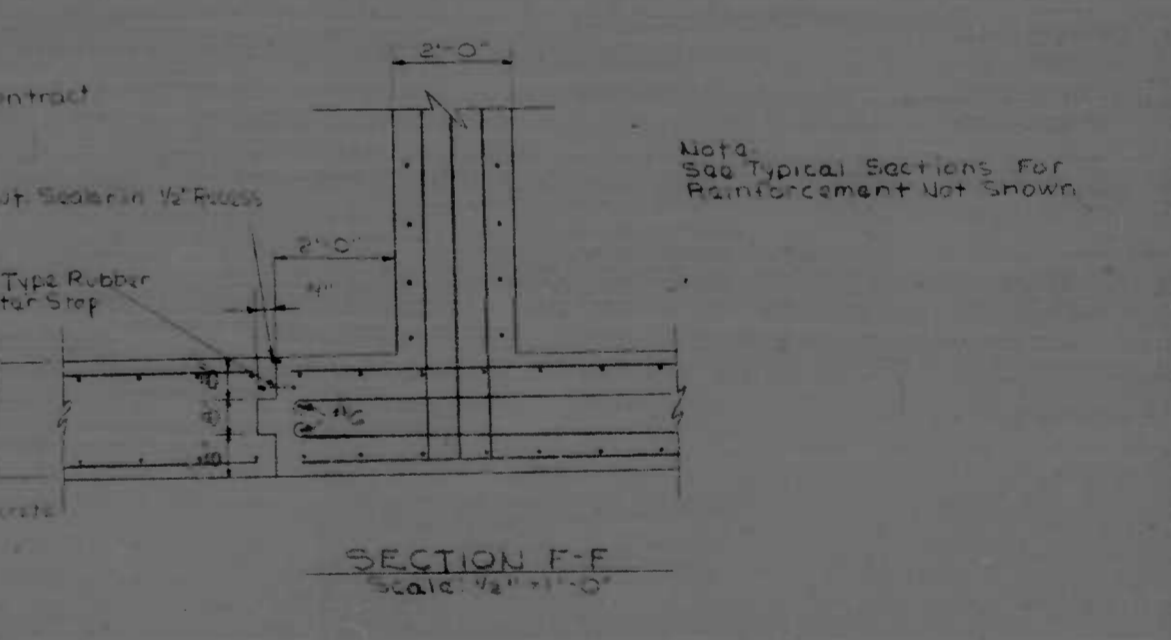
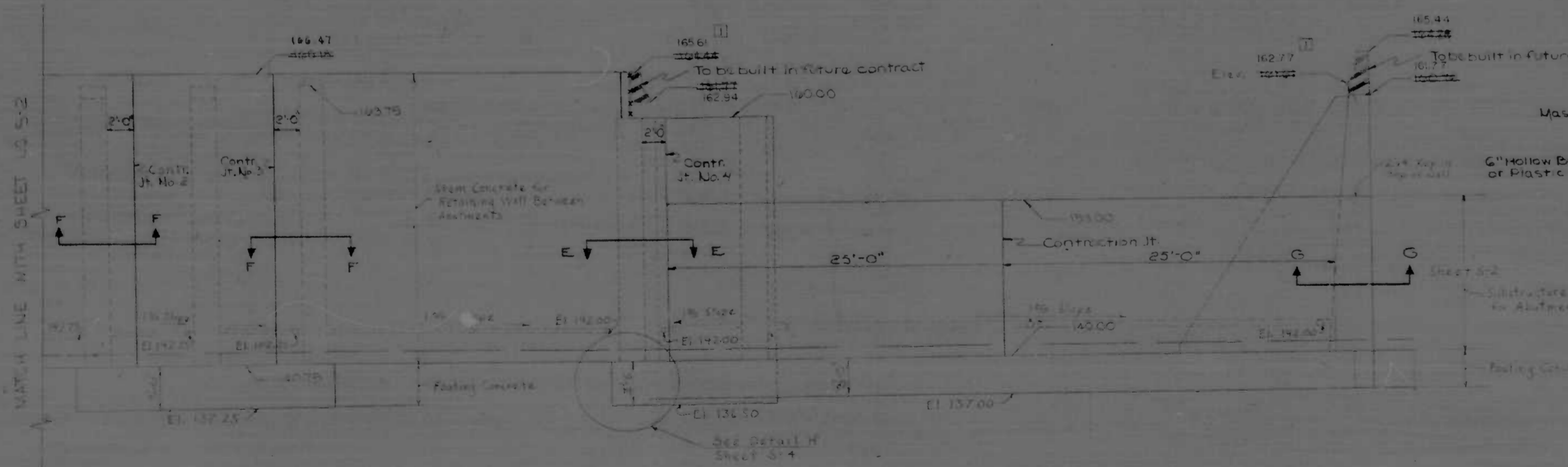
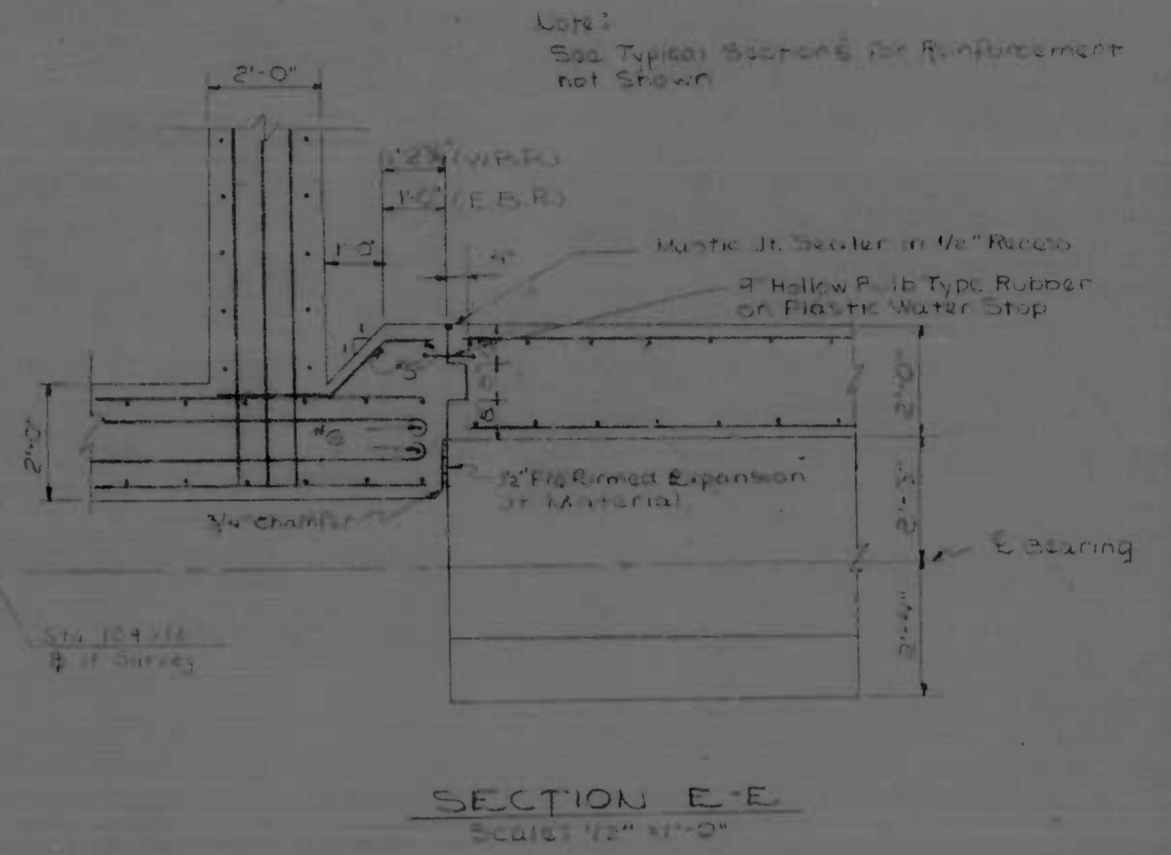
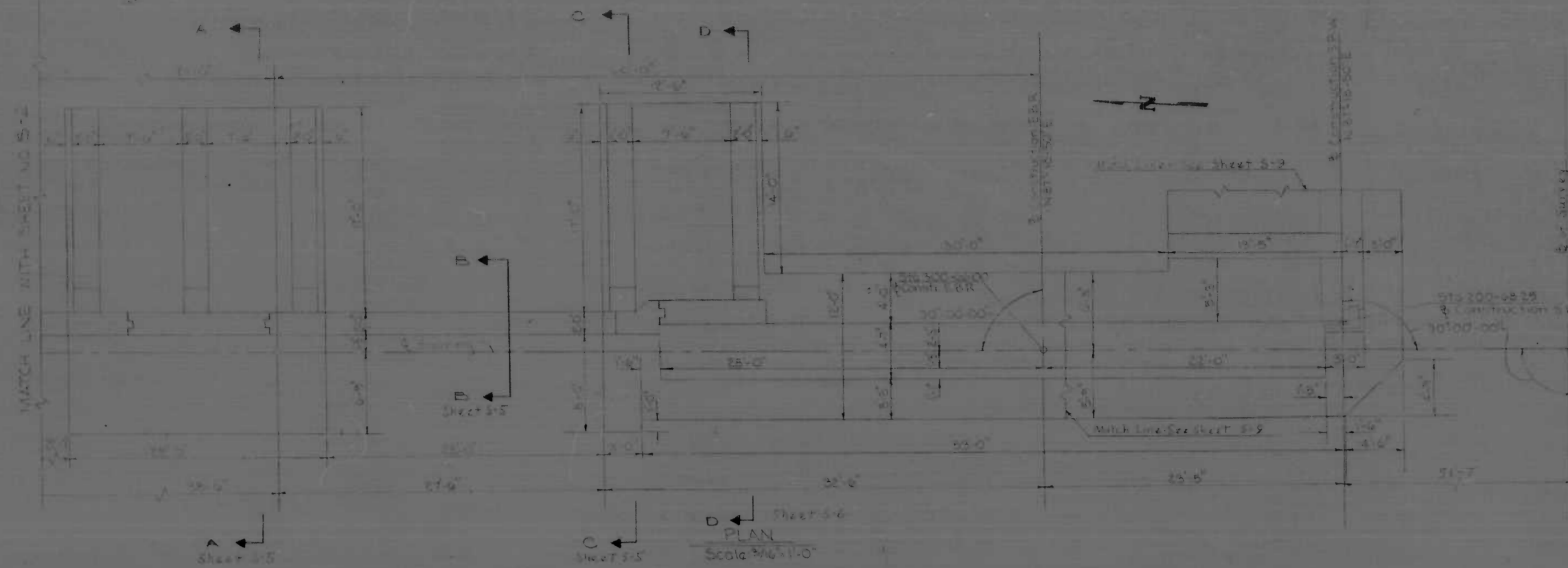
SECTION G-G
Scale 1/2" = 1'-0"

* Note:
These #5 bars are to extend 30 diam out of the top of the abutment shall be painted with road oil.

- Note:
1. For Section 'B-B', See Sheet S-5
 2. For Section 'E-E', See Sheet S-3
 3. For Footing Plan, See Sheet S-4
 4. For Typical Systems, See Sheets S-5 & S-6
 5. For Piles, See Sheet S-4

REVISIONS	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS	STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY
17-18-73 REVISED WALL ELEVATIONS	ABUTMENT (WBR) & WALL PLAN & ELEVATION	DRAWN BY: G.L.G. TRACED BY: G.L.G. F.P. NO.: 570-5(5)2 S.R.C. NO.: 52-253-4-512 BALTO. CITY NO.: 2054
	SCALE: AS SHOWN	DATE: March 1972

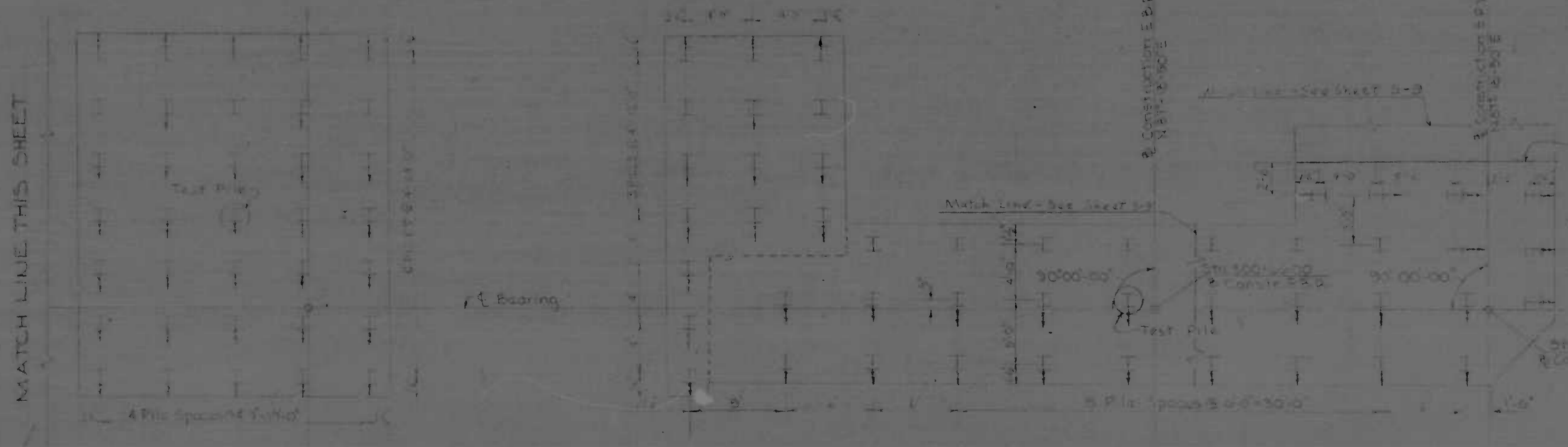
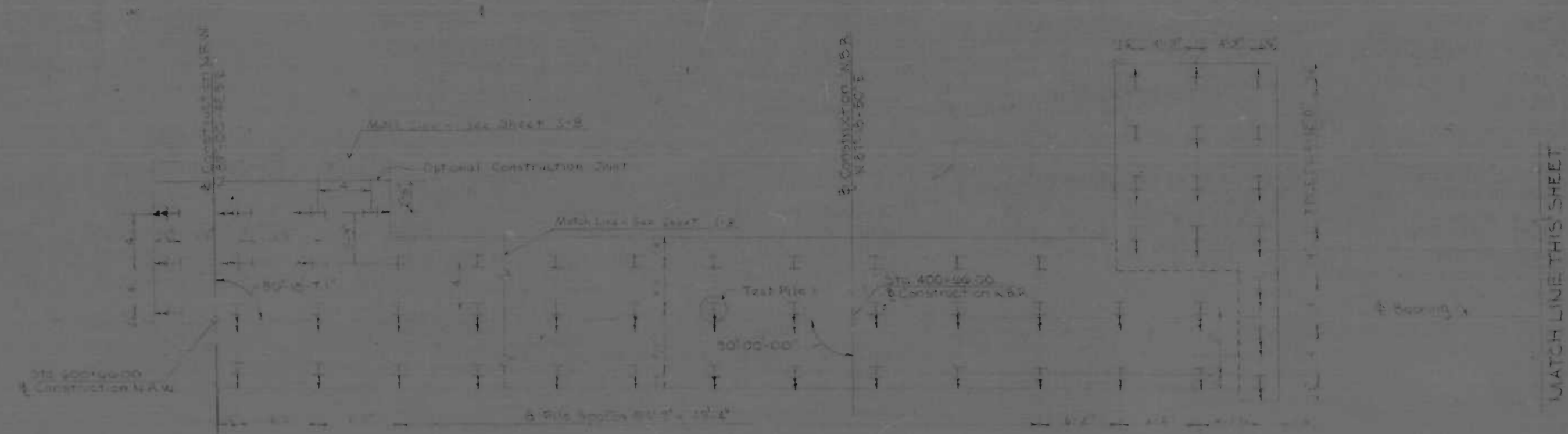
FILE NO.	STATE	F.P. NO.	SHEET NO.	TOTAL SHEETS
2	MD	1-170-212	3	3



- Notes:
1. For Section A-A, B-B, C-C, see sheet 3-5.
 2. For Section D-D, see sheet 3-2.
 3. For Section E-E & Abutment Construction Joint, see sheet 3-2.
 4. For Typical Sections, see sheets 3-5 & 3-6.
 5. For Footing Plan, see sheet 3-4.
 6. For Plan, see sheet 3-4.

REVISIONS 1 REVISIO WALL ELEVATIONS (7/18/73)	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS &		STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY	
	ABUTMENT (E.B.R.) & WALL PLAN & ELEVATION		DRAWN BY: G.L.G. TRACED BY: G.A.H.	DES. BY: G.M.A. CHK. BY: J.R.G.
SCALE: AS SHOWN		DATE: 10/11/72		F.P. NO. 1-170-212 S.R.C. NO. 1-170-212-3 BALTO. CITY NO. 1-224

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
2	MD.	170-2512	4	10

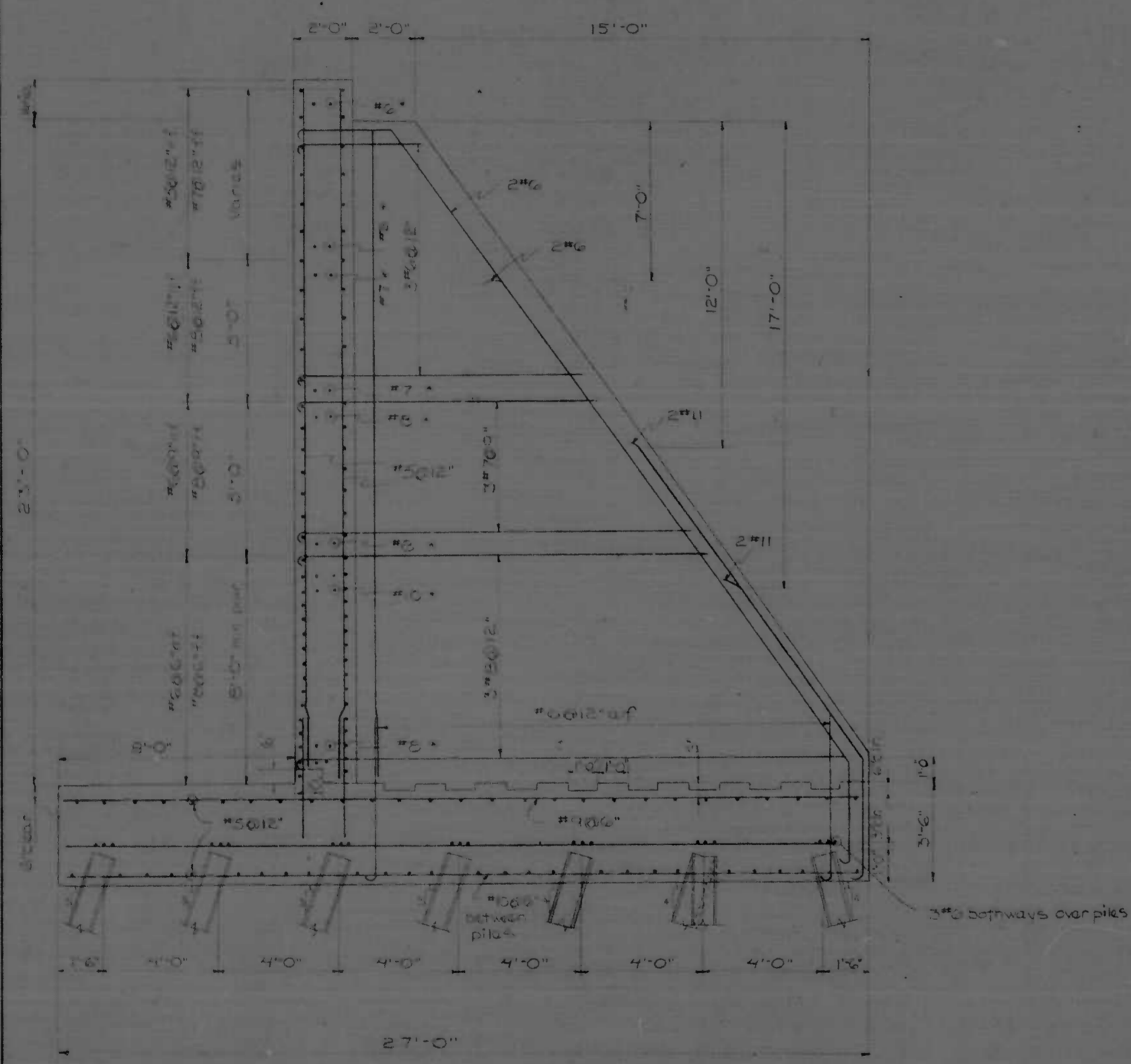


Notes:
 All piles shall be Steel Bearing Piles - HR 101.77 driven to a minimum safe bearing value of 90 tons.
 For Pile Splice Detail, See Sheet S-13

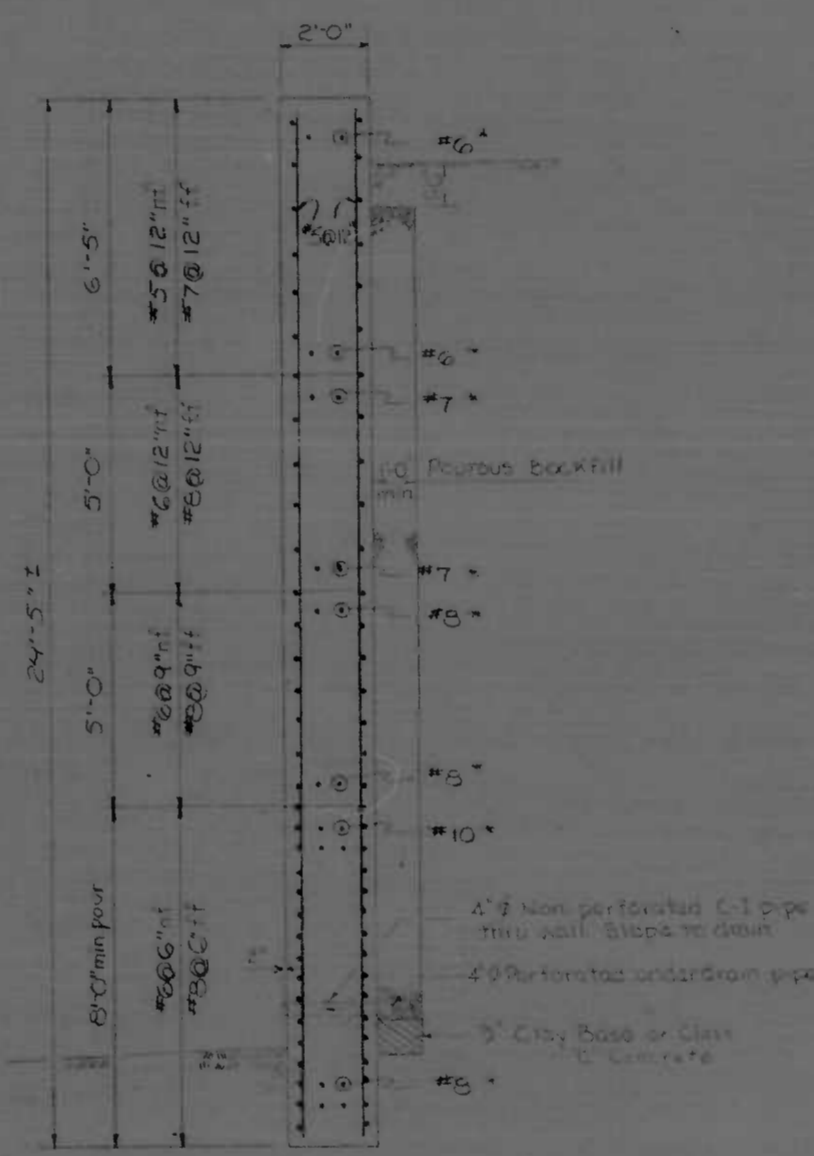
Notes:
 ⊥ Denotes 1:3 Batter
 ⊥ Denotes 1:4 Batter

REVISIONS	CITY OF BALTIMORE		STATE ROADS COMMISSION OF MARYLAND	
	DEPARTMENT OF PUBLIC WORKS		INTERSTATE DIVISION FOR BALTIMORE CITY	
	ABUTMENTS & WALL			
	FOOTING PLAN			
SCALE: AS SHOWN	DATE: 11/11/57	DRAWN BY: D.L.G.	DES. BY: K.O.A.	SHEET NO. 4
		TRACED BY: R.M.V.	CHK. BY: K.G.	OF 10
		F.P. NO. 170-2512		
		S.R.C. NO. 20-157-4-43		
		BALTO. CITY NO. 2054		

FED. ROAD DIST. NO.	STATE	FED. PROJ. DIST. NO.	SHEET NO.	TOTAL SHEETS
2	MD.	170-200	13	13

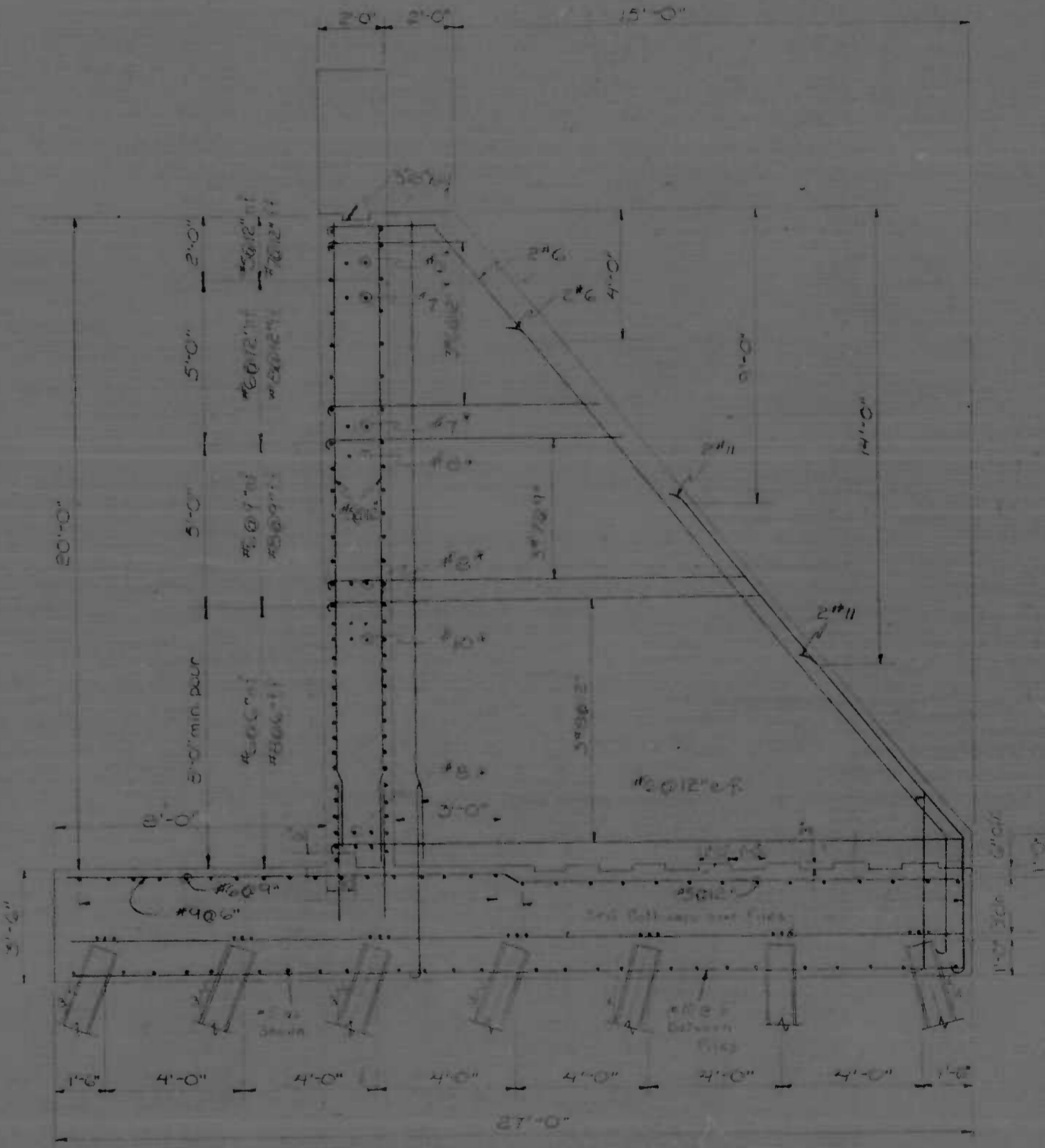


SECTION AA
Scale: 3/8"=1'-0"



SECTION B-B
Scale: 3/8"=1'-0"

Note: Pourous backfill and underdrain Typical all sections.
* Note: Only between Contrction 375 133 and between Contrction 375 384

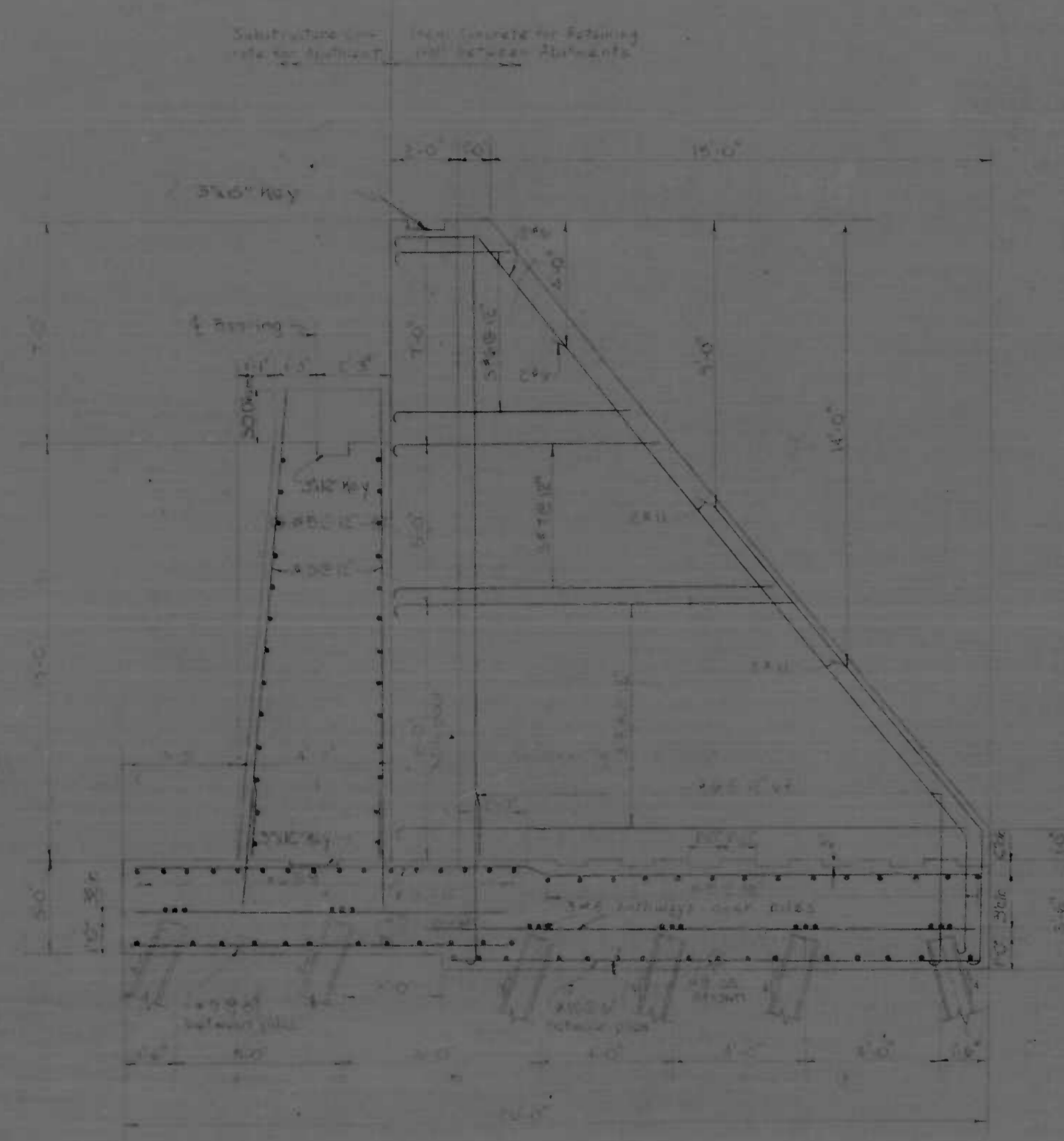


SECTION C-C
Scale: 3/8"=1'-0"

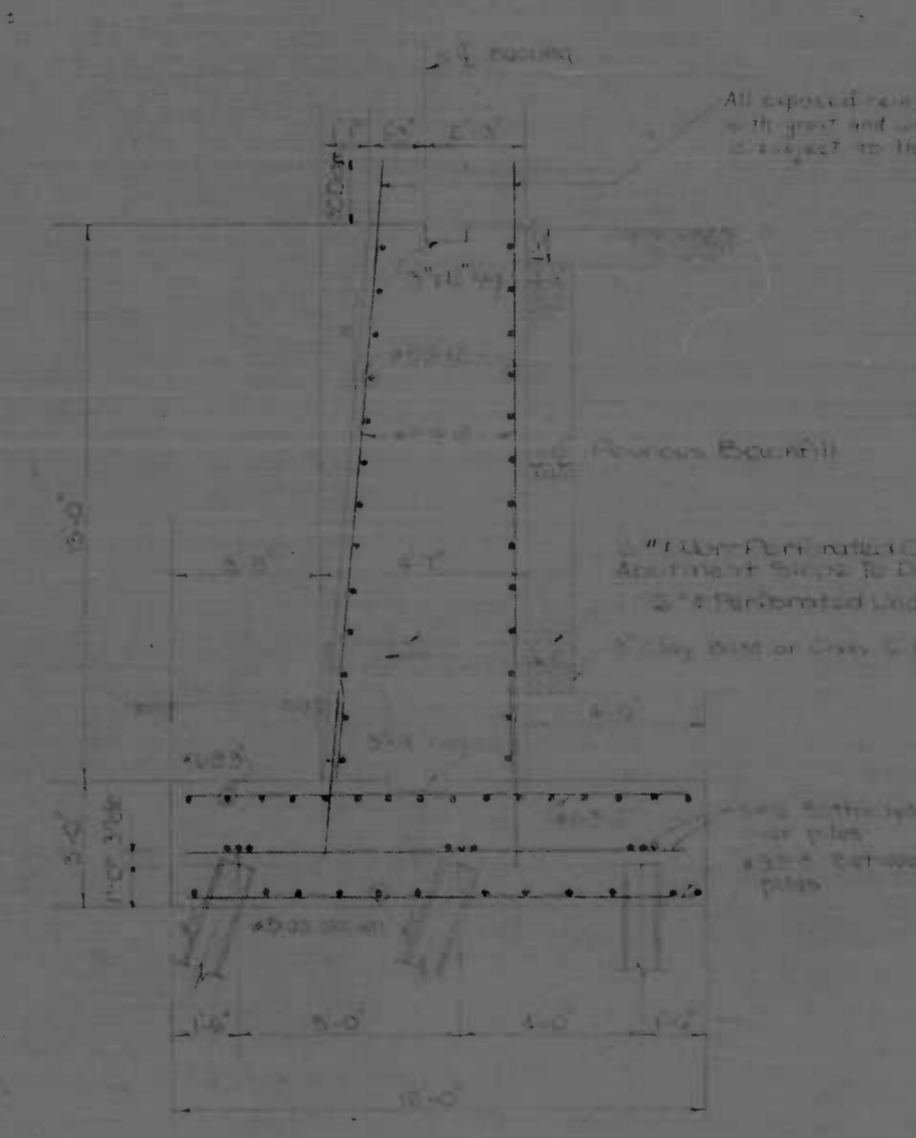
Note: All piles shall be steel bearing piles. All piles shall be driven to maximum safe bearing capacity. All piles shall be protected against corrosion.

REVISIONS	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS		STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY	
	WALL BETWEEN ABUTMENTS TYPICAL SECTIONS		DRAWN BY: J.M.G.	DES. BY: J.B.G.
	SCALE: AS SHOWN	DATE: MARCH 1, 1972	F.A.P. NO. 170-200	SHEET NO. 13 OF 13
			S.R.C. NO. 2-207-2-B-E	
			BALTO. CITY NO. 208-1	

F.S. ROAD DIST. NO.	STATE	F.P. NO.	SHEET NO.	TOTAL SHEETS
2	MD.	1-10-6012	14	18



SECTION D-D
Scale 3/8"=1'-0"



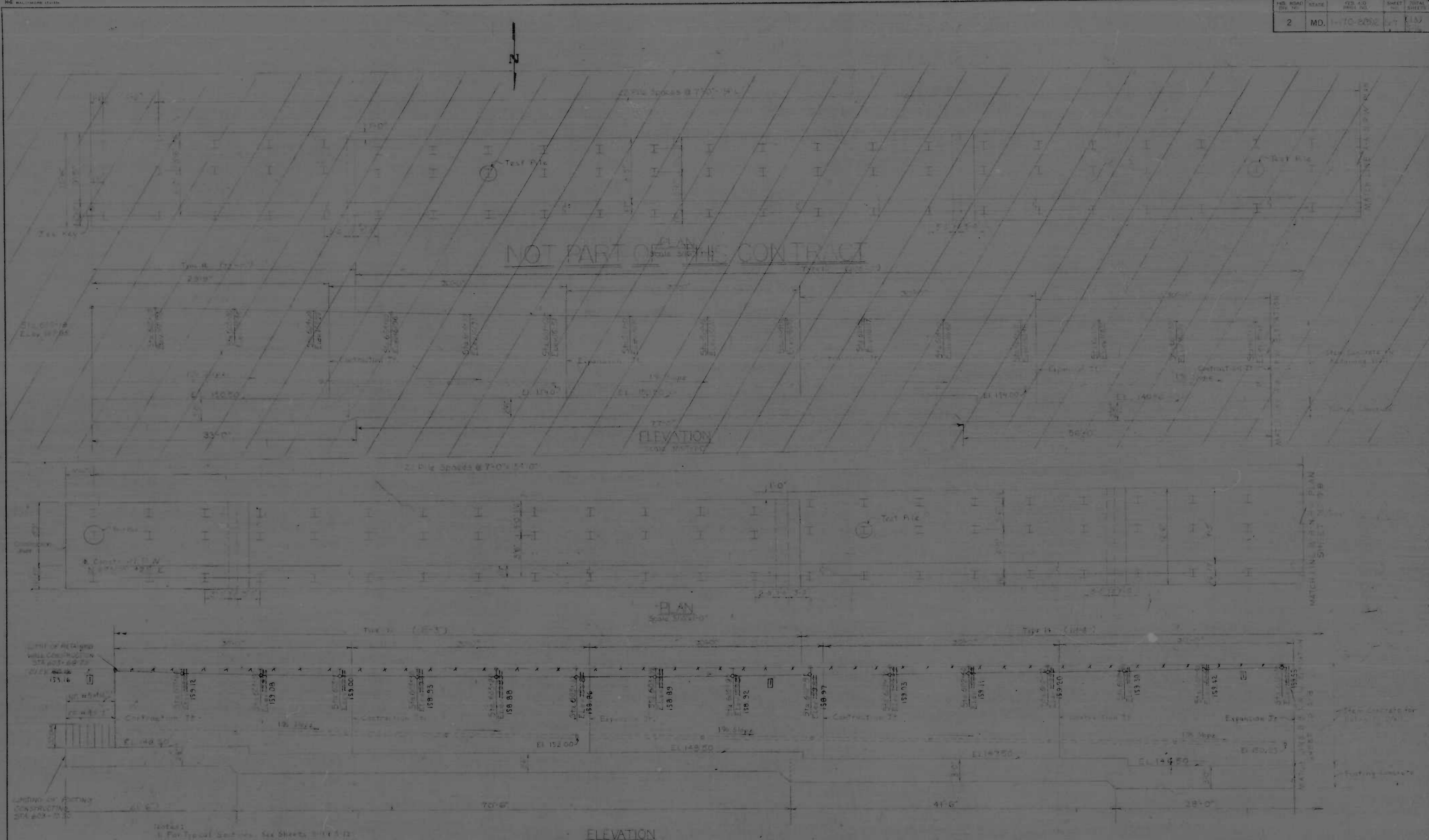
ABUTMENT SECTION
Scale 3/8"=1'-0"

*NOTE:
See Section C-C Sheet No. 13 for
Wall Reinforcement.
See Section E-E Sheet No. 15 for
Pier Reinforcement and Underdrain
Details.

NOTE:
All piles shall be steel bearing piles
HP 10-57 driven to a minimum safe
bearing value of 30 tons.

REVISIONS	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS		STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY	
	ABUTMENT TYPICAL SECTIONS		DRAWN BY: KCM TRACED BY: KCM	DES. BY: KCM CHK. BY: KCM
SCALE: AS SHOWN		DATE: 1-10-60		SHEET NO. 14

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
2	MD.	170-2002	17	150

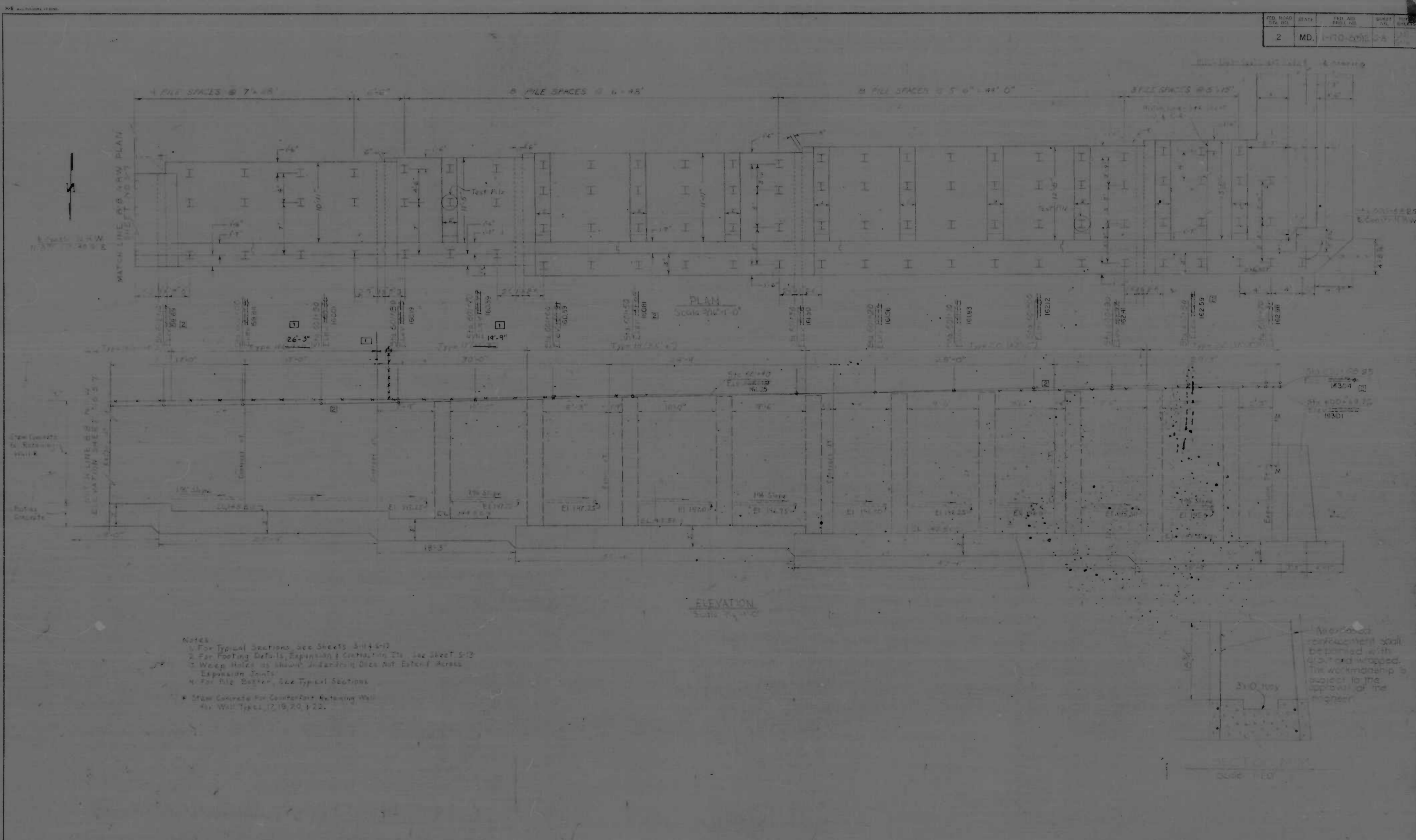


- NOTES:
1. For Typical Details, See Sheets 1711 & 1712
 2. For Retaining Details, Expansion & Contractions, See Sheet 1713
 3. Where noted, All Details At 150 Intervals, Unless Otherwise Noted
 4. For Test Buffer, see typical section

ELEVATION
Scale 3/8" = 1'-0"

REVISIONS 1. 7-18-73 REVISED WALL ELEVATIONS	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS &		STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY	
	NORTH RETAINING WALL PLAN & ELEVATION		DRAWN BY: J. J. G. TRACED BY: J. J. G. F.A.P. NO. 170-2002 S.R.L. NO. 2002-1-17 BALTO. CITY NO. 2002	DES. BY: J. J. G. CHK. BY: J. J. G. SHEET NO. 17 OF 150
SCALE AS SHOWN		DATE: Feb 28 1974		

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
2	MD.	H70-001	24	24

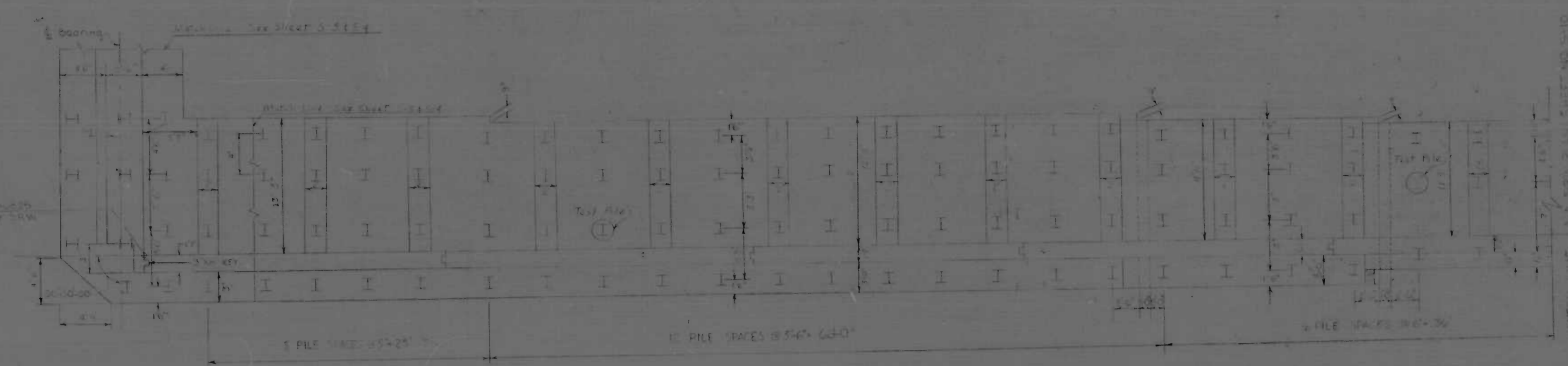


- Notes:
1. For Typical Sections, See Sheets 3/11-3/12
 2. For Footing Details, Expansion Joints, See Sheet 5/12
 3. Weep Holes to Show and Drainage Ditch Not Extend Across Expansion Joints
 4. For Pile Details, See Typical Sections
 5. Steel Concrete for Counterfort Retaining Wall
 6. Wall Types 17, 19, 20, & 22.

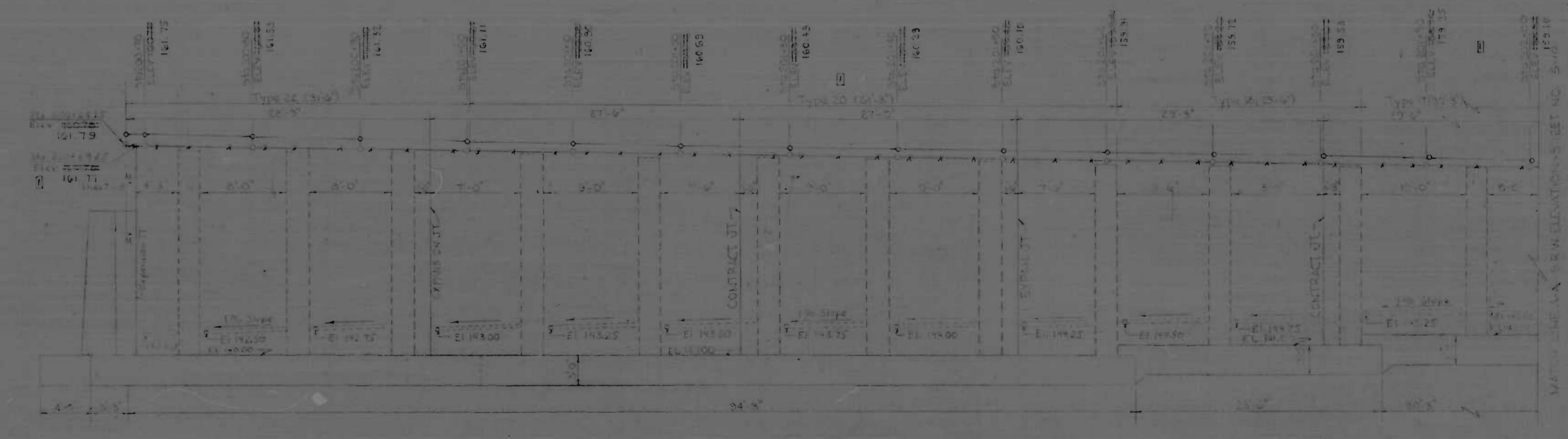
REVISIONS 1. 4/24/73 REVISED WALL TYPE LIMITS 2. 7/18/73 REVISED WALL ELEVATIONS	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS		STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY	
	NORTH RETAINING WALL PLAN & ELEVATION		DRAWN BY: J.A.S. TRACED BY: J.A.S.	DES. BY: K.H.M. CHK. BY: J.K.S.
SCALE: AS SHOWN		DATE: Feb. 23, 1973		SHEET NO. 24 OF 24

ME BALTIMORE 17208

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
2	MD	170-2052	54	57



PLAN
Scale: 3/4" = 1'-0"

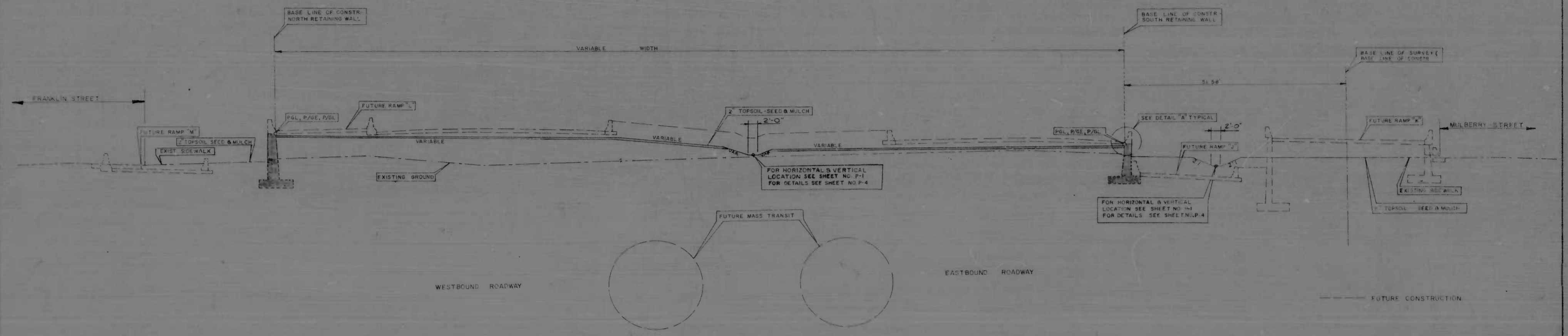


ELEVATION
Scale: 3/4" = 1'-0"

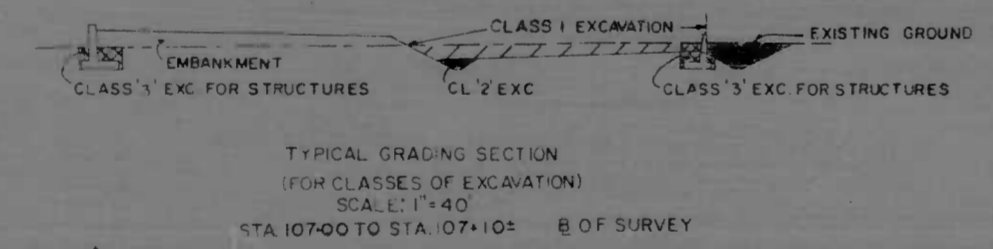
- Notes:
1. For Typical Sections, See Sheets 5-11 & 5-12.
 2. For Footing Details, Expansion & Contraction Jts, See Sheet 5-13.
 3. Weep holes as shown, Under Iron, does not extend across Expansion Jts.
 4. For Pile Details, See Typical, Sheet 5-14.

REVISIONS	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS	STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY
1. 7-15-73 REVISED WALL ELEVATIONS	SOUTH RETAINING WALL PLAN AND ELEVATION	
	SCALE: AS SHOWN	DATE: 7-15-73
	DRAWN BY: [Signature]	DES. BY: [Signature]
	TRACED BY: [Signature]	CHK. BY: J. K. G.
	F.A.P. NO. 170-2052	SHEET NO. 54
	S.R.C. NO. 170-2052	of 57
	BALTO. CITY NO. 1064	

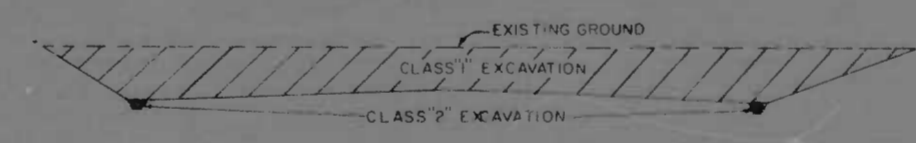
NO. 2	STATE	MD. 1-170-6(5)2	SHEET NO. T-4	TOTAL SHEETS 133
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TYPICAL GRADING SECTION
 SCALE: 3/32" = 1'-0"
 STA. 104+15 TO STA. 107+10 B OF SURVEY

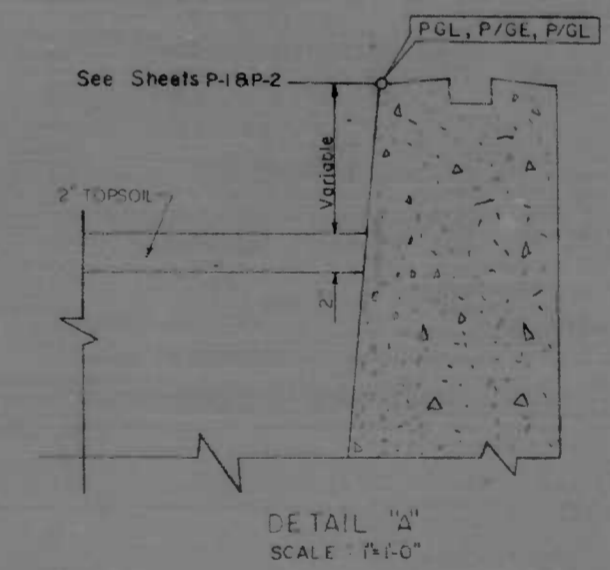


TYPICAL GRADING SECTION
 (FOR CLASSES OF EXCAVATION)
 SCALE: 1" = 4'
 STA. 107+00 TO STA. 107+10 B OF SURVEY



TYPICAL GRADING SECTION
 (FOR CLASSES OF EXCAVATION)
 SCALE: 1" = 4'
 STA. 109+00 TO STA. 112+15 B OF SURVEY
 STA. 112+90 TO STA. 114+70 B OF SURVEY

SCALE: 1" = 5'-0"
 CLASS 2 EXCAVATION LIMITS
 FOR SIDE DITCHES APPROX.
 PERPENDICULAR TO B OF SURVEY
 AT STA. 107+25, STA. 109+00
 AND STA. 112+90



DETAIL "A"
 SCALE: 1" = 1'-0"

REVISIONS	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS	STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY
	INTERSTATE ROUTE 170 NORTH PULASKI STREET TO NORTH FULTON AVENUE GRADE, DRAIN & SUPPORTING WALLS	DRAWN BY: L.D.H. DES. BY: D.C.H. TRACED BY: E.L.Y. CHK. BY: L.D.H. & D.C.H.
	SCALE AS SHOWN	F.A.P. NO. I-170-B(5)2 SHEET NO. T-4 S.R.C. NO. BC-259-4-815 T-4 DATE: NOV. 1972 BALTO. CITY NO. 2084 T-2 of 133

DITCH LEGEND

- Solid Sodding
- Seed & Mulch
- Soil Slab Matting
- Rip Rap Ditch (Broken Concrete)

ABBREVIATIONS

- CMP - Corrugated Metal Pipe
- B.C.M.P. - Bituminous Coated Corrugated Metal Pipe
- B.M. - Bench Mark
- E - Base Line Survey
- E - Center Line Construction
- Elev. - Elevation
- P/G.L. - Profile Ground Line
- P.G.L. - Profile Grade Line
- P/C - Point of Crown
- P/R - Point of Rotation
- P/G.E. - Profile Grade Elevation
- R.C.P. - Reinforced Cement Concrete Pipe
- S.S.D. - Stopping Sight Distance
- H.S.D. - Headlight Sight Distance
- S.E. - Superelevation
- S.D.D. - Surface Drain Ditch
- S.D. - Side Ditch
- STD. PL. - Standard SRC Plate
- ☒ - Remove Existing Facility
- V.C.P. - Vitriified Clay Pipe
- V.C.P.X. - Vitriified Clay Pipe (Extra Strength)
- P.S.F. - Pounds Per Square Foot
- N.T.S. - Not to Scale
- P.S.I. - Pounds Per Square Inch
- ☒ - Guard Rail W Beam Approach Flare
- ☒ - Abandon Existing Facility (See Special Provisions)
- R.C.S.P. - Reinforced Concrete Sewer Pipe

EXPLANATORY NOTES AND REFERENCES

VERTICAL CONTROL

The Location and Elevations of Bench Marks are Shown on The Plans. All Elevations Shown are Based on Baltimore City Datum.

DITCHES

All Side Ditches on This Project Will be 2' in Width Unless Otherwise Noted on The Plans.

INVERT ELEVATIONS

All Invert Elevations are Approximate and May be Modified to Meet Conditions Encountered During Installation of Drainage Structures.

SIGHT DISTANCE

Stopping Sight Distance For Crest Vertical Curves is Based on a Height of Object = 0.33' and a Height of Eye = 3.0'. Headlight Sight Distance For Sag Vertical Curves is Based on a Height of Headlight = 2.0' and an Upward Divergence of Beam = 1°.

MATERIALS SALVAGED IN CONSTRUCTION

These Materials Shall Become The Property of The Contractor and Shall be Removed From The Site of Construction Except For Those Items Provided For Salvage as City Property in The Special Provisions.

HORIZONTAL CONTROL

The Project is Oriented to Conform With The Baltimore City Grid System.

SPECIFICATIONS

Specifications For Materials, Highways, Bridges and Incidental Structures, Dated March, 1968 and Revised Thereof or Additions Thereto included in The Proposal and Special Provisions.

MAINTENANCE OF TRAFFIC AND UTILITY SERVICE

Special Attention is Directed to The Requirements For Maintenance of Traffic and Utility Service During The Construction of This Project. See Special Provisions and Plans For Construction Phases Required.

EXISTING UTILITIES

Existing Utility Locations Shown on Plans are Approximate. It Shall be The Contractor's Responsibility to Verify The Exact Locations by Test Pits and Other Methods Prior to Commencing Work. The Necessary Relocation and/or Adjustment of The Existing Utilities Will be Performed by Others Unless Otherwise Provided For in The Proposal or Special Provisions.

CLEARING AND GRUBBING

Special Attention is Directed to The Fact That no Clearing and Grubbing or Grading May Commence For This Project Until The Clearing Limits are Staked in The Field and Approved by The Engineer.

No Clearing Will be Allowed Beyond Indicated Limits of Work.

BORINGS

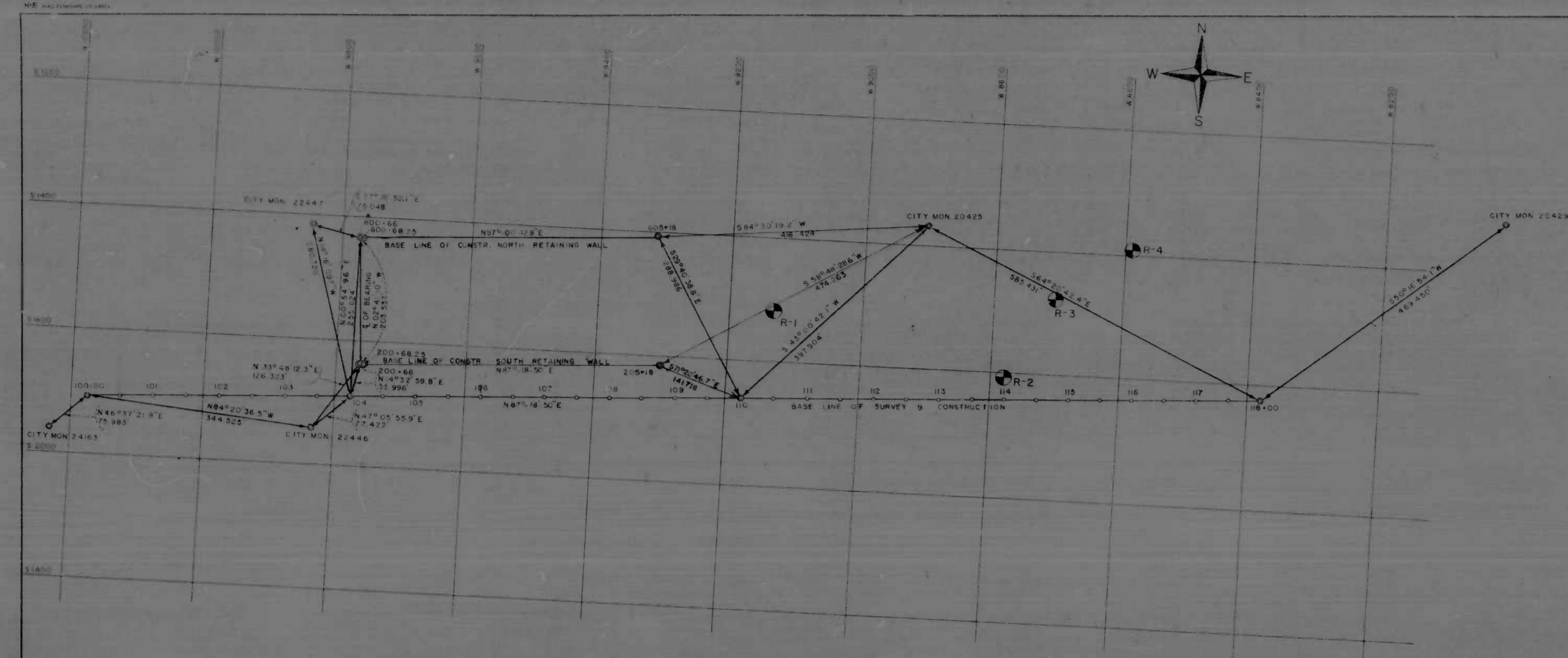
The Interstate Division For Baltimore City Does Not Represent, Warrant, or Guarantee That The Conditions and/or Materials Actually Encountered in The Prosecuting of The Work or Any Part There of Will be The Same as That Shown by The Borings, The Recordings, or Any Part of Them; And if The Contractor Relies, For Any Purpose, Upon The Said Information, He Does So at His Own Risk.

TOPOGRAPHY LEGEND

- | | |
|--|---|
| <ul style="list-style-type: none"> ☐ RUNS OR FOUNDATIONS ☐ FLAGPOLE — ALL TYPE FENCES (EXIST.) — FENCE ON RETAINING WALL — RETAINING WALL — GUARD POSTS & CABLE — POSTS OR GUARD POSTS — STEEL GUARD RAIL — RAILROAD — R.R. SWITCH — R.R. BUMPER — R.R. SIGNAL — R.R. CONTROL BOX & TRAFFIC CONTROL BOX — TRAFFIC LIGHT — LIGHT POLE — UTILITY AND LIGHT POLE — UTILITY, LIGHT POLE WITH TRANSFORMER — UTILITY POLE — UTILITY POLE WITH TRANSFORMER — GUY POLE — STREET SIGN — LIGHT POLES WITH CATWALK & TRANSFORMERS — UTILITY POLES WITH CATWALK & TRANSFORMERS — TELEPHONE — OVERHEAD TRAFFIC CONTROL SWITCH — FIRE HYDRANT — DROP INLET — CATCH BASIN — BILLBOARD — MANHOLE — GAS VENT PIPE — WATER OR GAS VALVE - WATER METER — FIRE OR POLICE CALL BOX, CALL BOX ON UTILITY POLE — GRATE — UNDERGROUND PIPE — CELLAR ENTRANCE — NO CURB (CURB LABELED) — R.R. CROSSING GATE — UTILITY, LIGHT POLE WITH FIRE OR POLICE BOX — BASE OR SURVEY LINE — PROPOSED CHAIN LINK FENCE (BY OTHERS) — PROPOSED CHAIN LINK FENCE — PROPOSED LIGHT POLE BASE & STANDARD — BALTIMORE CITY MONUMENT | <ul style="list-style-type: none"> — HEDGE — TREE — TREE LINE — TRAIL (LABELED) — CULVERT - EXISTING — STREAM OR SHORE LINE — INTERMEDIATE CONTOUR — INDEX CONTOUR — DEPRESSION NO DRAINAGE AREA — BENCH MARK — TRAVERSE POINT — PHOTOGRAMMETRIC ELEVATION — FIELD ELEVATION — AVE — AVENUE — BIT — BITUMINOUS — BLD — BLOCK — BR — BRICK — CONC — CONCRETE — DWG — DWELLING — F.P. — FLAGPOLE — F.B. — FLOWER BED — FR — FRAME — GAR — GARAGE — G.R. — GUARD RAIL — L.P. — LAMP POST — MFG — MANUFACTURING — MAS — MASONRY — MET — METAL — RET. ST. — RETAIL STORE — S — SIGN — SH — SHINGLE — STA — STATION — STO — STONE — STY — STORY — T — TRANSFORMER — B.E. 504 — BUILDING OR TANK ELEVATION — CULVERT - PROPOSED — GROUND ELEVATION — GRADE ELEVATION — MARSH — WATER TABLE |
|--|---|

REVISIONS

CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS		STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY	
INTERSTATE ROUTE 170 NORTH PULASKI STREET TO NORTH FULTON AVENUE GRADE, DRAIN & SUPPORTING WALLS			
SCALE AS SHOWN	DATE: NOV 1972	DRAWN BY: JDB TRACED BY: JDB	DES BY: JDB CHK BY: JDB
		F.A.P. NO. I-170-8(5)2 S.R.C. NO. 80-259-4-818	SHEET NO. T-3 OF (33)
		BALTO. CITY NO. 80-84	



DESCRIPTION	COORDINATES		REMARKS
	SOUTH	WEST	
NO 20425	1368.780	8906.903	
NO 20429	1520.257	9016.113	
NO 20446	1740.566	9174.387	
NO 20447	1410.793	9846.865	
NO 20463	1758.783	10252.462	
BASE LINE OF SURVEY & CONSTR.			
STA. 100+00	1706.598	10177.334	
STA. 104+00	1687.855	9777.073	
STA. 110+00	1659.733	9176.532	
STA. 116+00	1652.542	8579.212	
BASE LINE OF CONSTR. NORTH RETAINING WALL			
STA. 100+00	419.180	9773.446	
STA. 104+00	418.554	9321.414	
BASE LINE OF CONSTR. SOUTH RETAINING WALL			
STA. 200+00	404.588	9764.108	
STA. 204+00	404.405	9319.605	

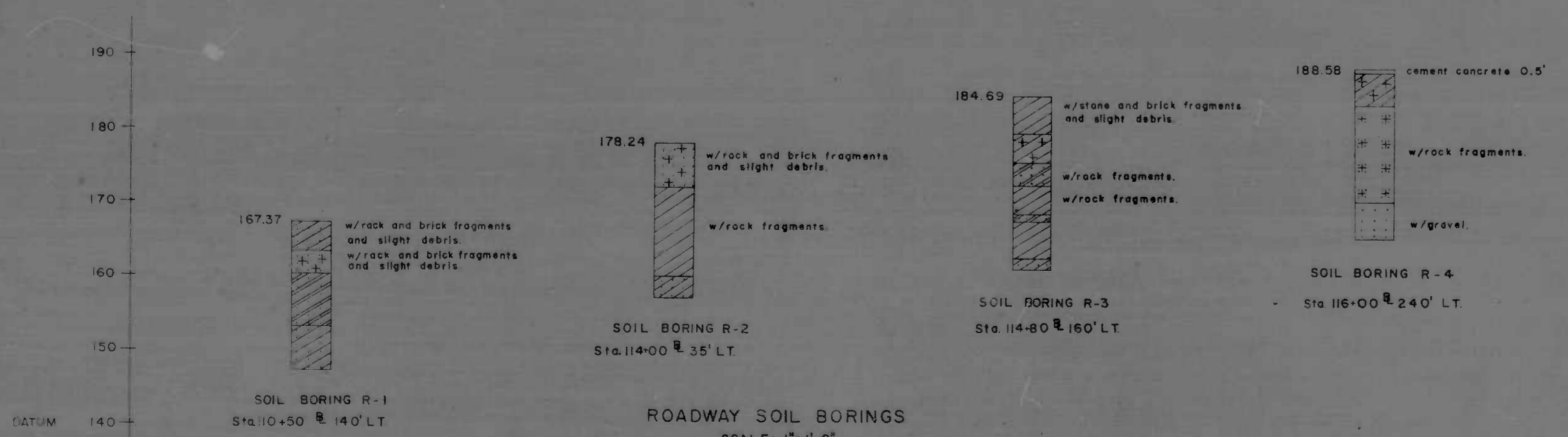
VERTICAL CONTROL DATA

BENCH MARK 5472 - ELEVATION 161.121' - CUT ON EAST END OF 4" GRANITE STEP OF GIRLS ENTRANCE TO 3 STY BRICK SCHOOL S.W. CORNER PAYSON ST & MULBERRY ST. 0.15 FROM FACE, 0.3' FROM END

BENCH MARK 5627 - ELEVATION 131.790' - BRASS SCREW SET IN NORTH END OF BOT CONC STEP ENT TO 2 STY BLDG. 302 N. SMALL WOOD ST. (ARUNDEL ICE CREAM CO) 11.5' S OF MULBERRY ST. 0.70 FROM N END, 0.40 FROM FACE OF STEP

HORIZONTAL CONTROL PLAN
SCALE: 1"=100'

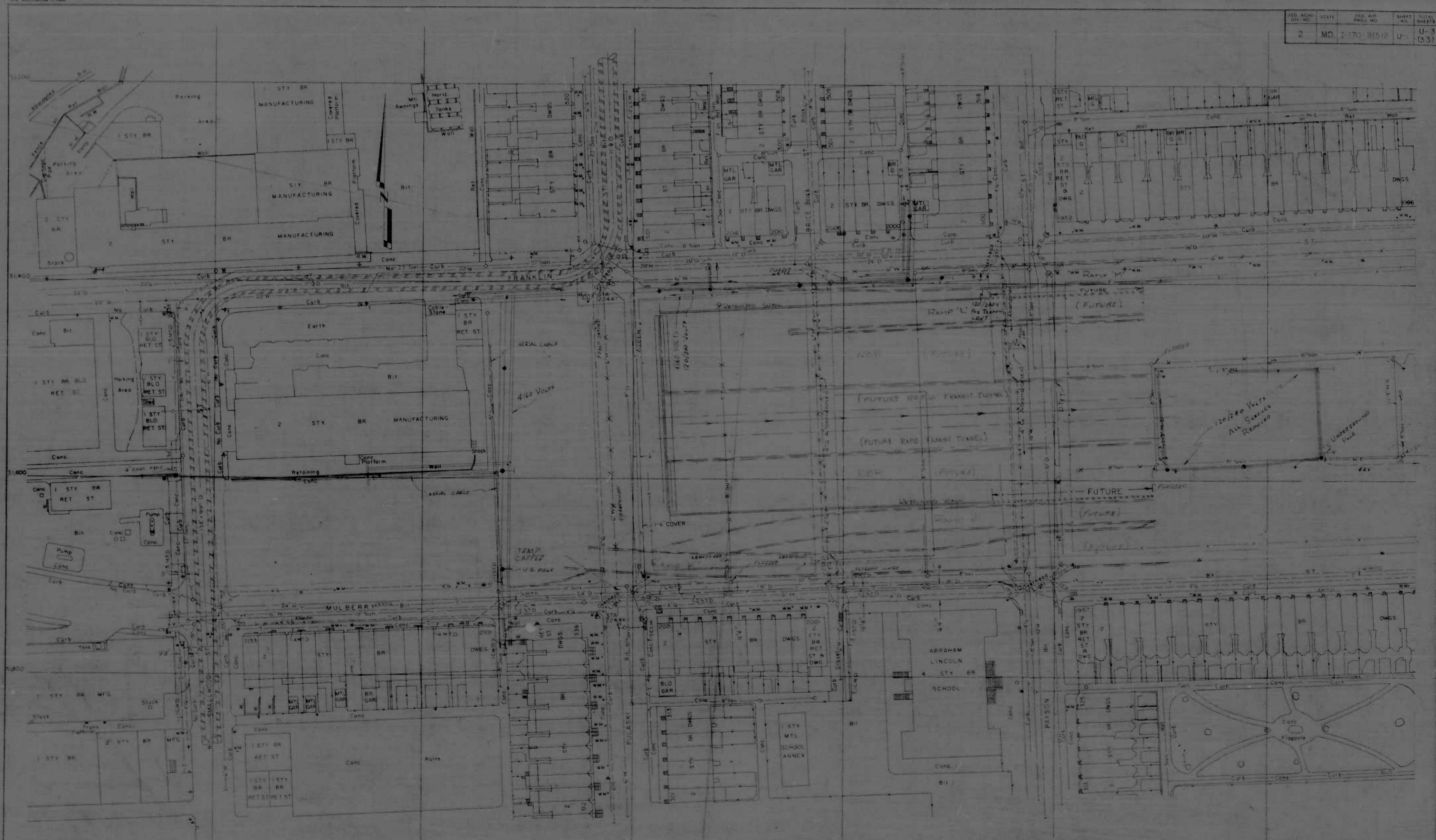
NOTE:
UNLESS OTHERWISE NOTED, ALL REFERENCES TO STATIONS SHALL BE TO THE BASE LINE OF SURVEY & CONSTRUCTION.



ROADWAY SOIL BORINGS
SCALE: 1"=1'-0"
For Soil Boring Symbols See S.H.A. Std. Plate MD. C.C.C. 93

REVISIONS	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS	STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY
	INTERSTATE ROUTE 170 NORTH PULASKI STREET TO NORTH FULTON AVENUE GRADE, DRAIN & SUPPORTING WALLS	DRAWN BY: L.D.H. TRAGED BY: E.L.Y. & R.C. DES. BY: L.D.H. & D.C.H. CHK. BY: L.D.H. & D.C.H. F.A.P. NO. I-170-8(5)2 S.R.C. NO. BC-259-1-815 BALTO. CITY NO. 2084
	SCALE: AS SHOWN	DATE: NOV 1972
		SHEET NO. T-4 OF (33)

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
2	MD.	I-170-8(5)2	U-3	(33)



REVISIONS	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS	STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY
	INTERSTATE ROUTE 170 NORTH PULASKI STREET TO NORTH FULTON AVENUE EXISTING UTILITIES	DRAWN BY: J.B.S. CHECKED BY: M.T.M. F.A.C. NO. I-170-8(5)2 F.A.C. NO. 90-219-A-815 BALTO. CITY NO. 2084
	SCALE: 1"=40'	DATE: NOV 1972
		DES. BY: L.S.H. CHK. BY: L.S.H. SHEET NO. U-3 OF 33

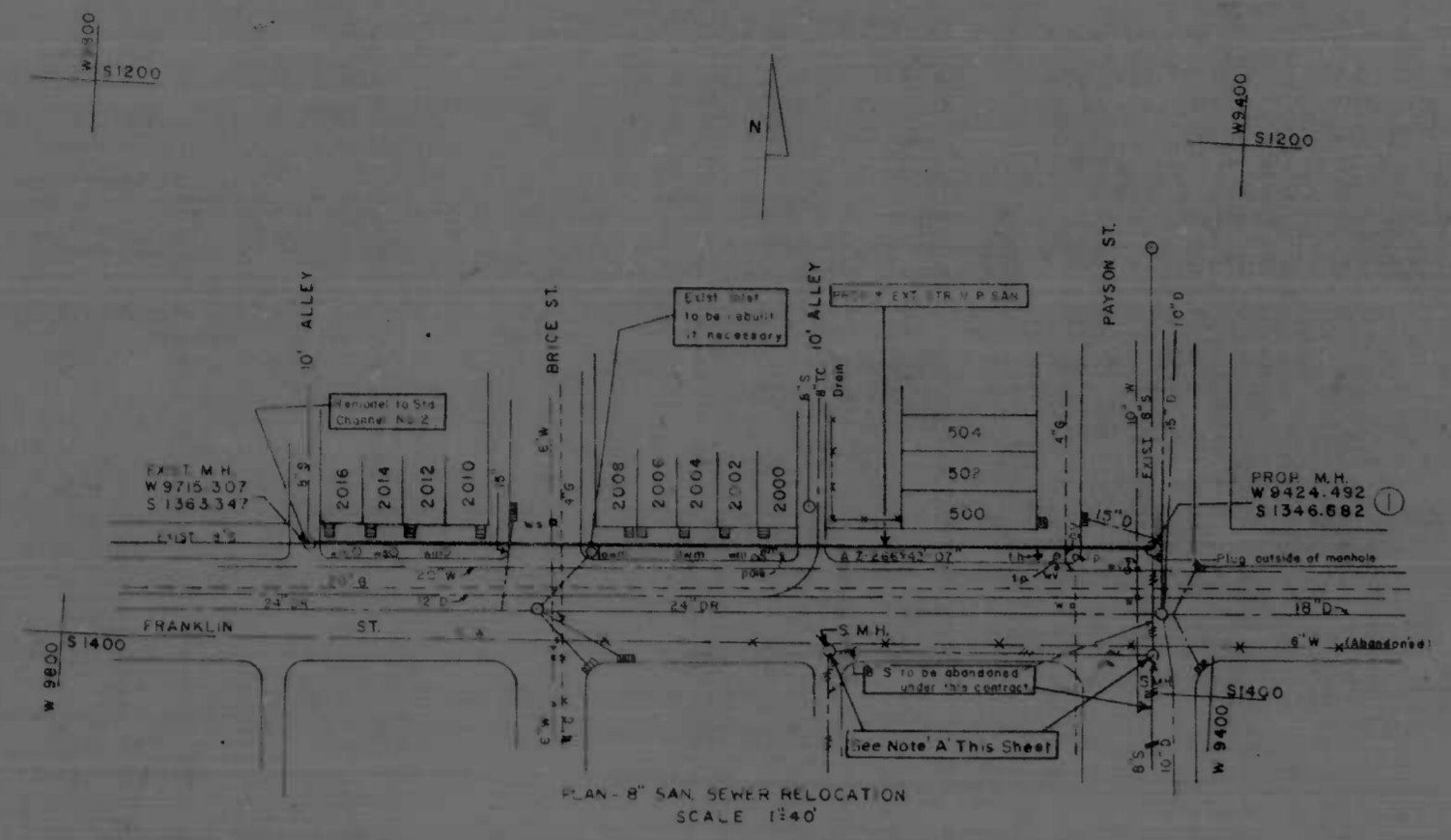
FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
2	MD	I-170-B(5)2	U-2	U-3 (33)



REVISIONS		CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS		STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY	
		INTERSTATE ROUTE 170 NORTH PULASKI STREET TO NORTH FULTON AVENUE EXISTING UTILITIES		DRAWN BY: J.D.B.C. TRACED BY: M.T.M. '66 F.A.P. NO. I-170-B(5)2 S.R.C. NO. BC-259-4-B15 BALTO. CITY NO. E084	
		SCALE: 1"=40'	DATE: NOV. 1972	DES. BY: L.S.H. D.C.H. CHK. BY: L.S.H. D.C.H.	SHEET NO. U-2 OF 133

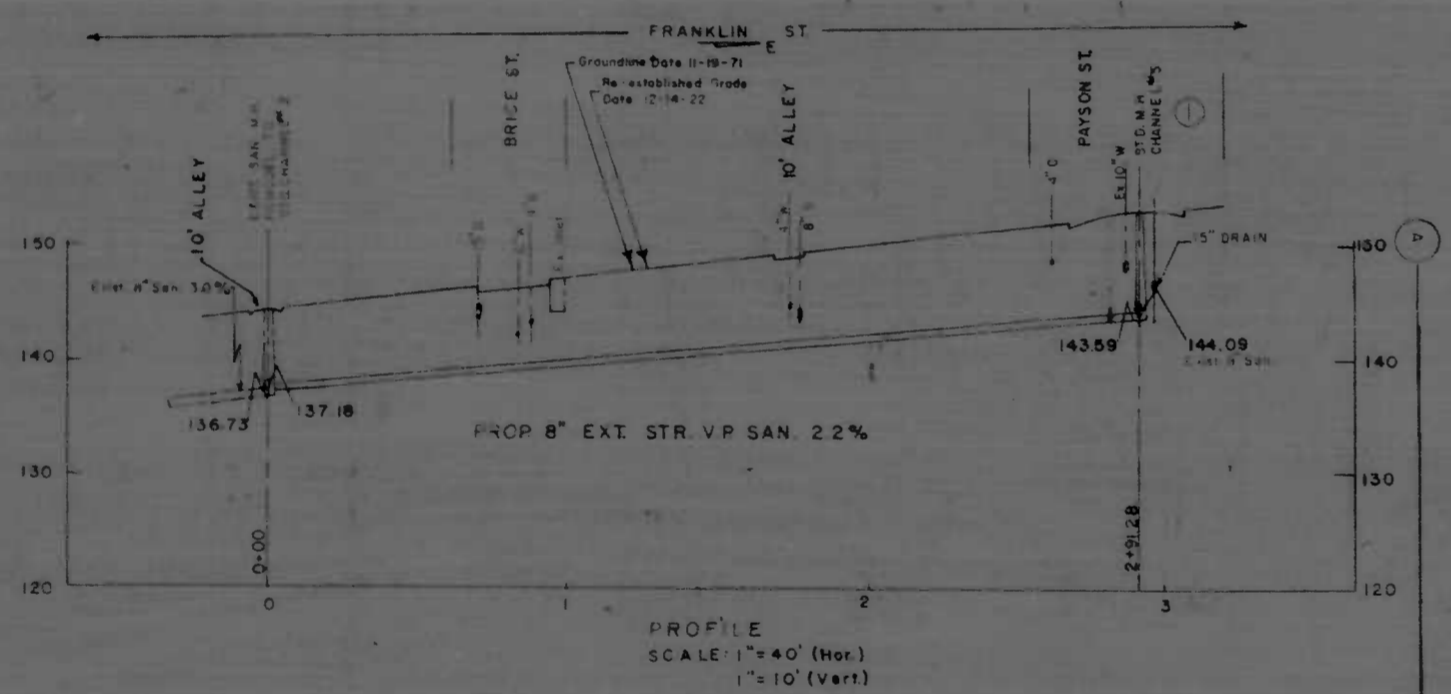
HP 44174000 1/10/00

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
MD.	I-170-8(5)2	U-3	U-3
		(34)	

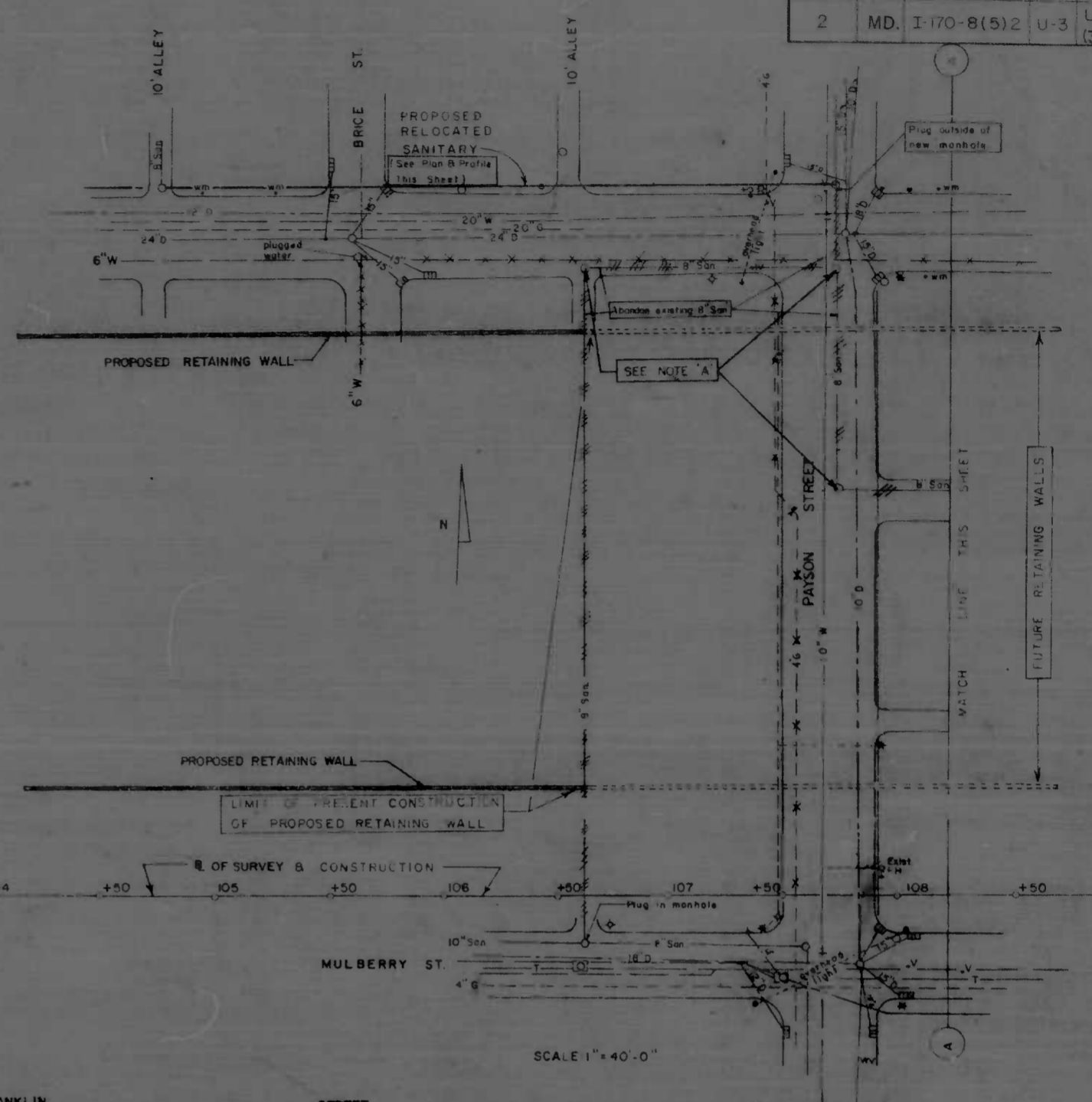


PLAN - 8" SAN SEWER RELOCATION
SCALE 1"=40'

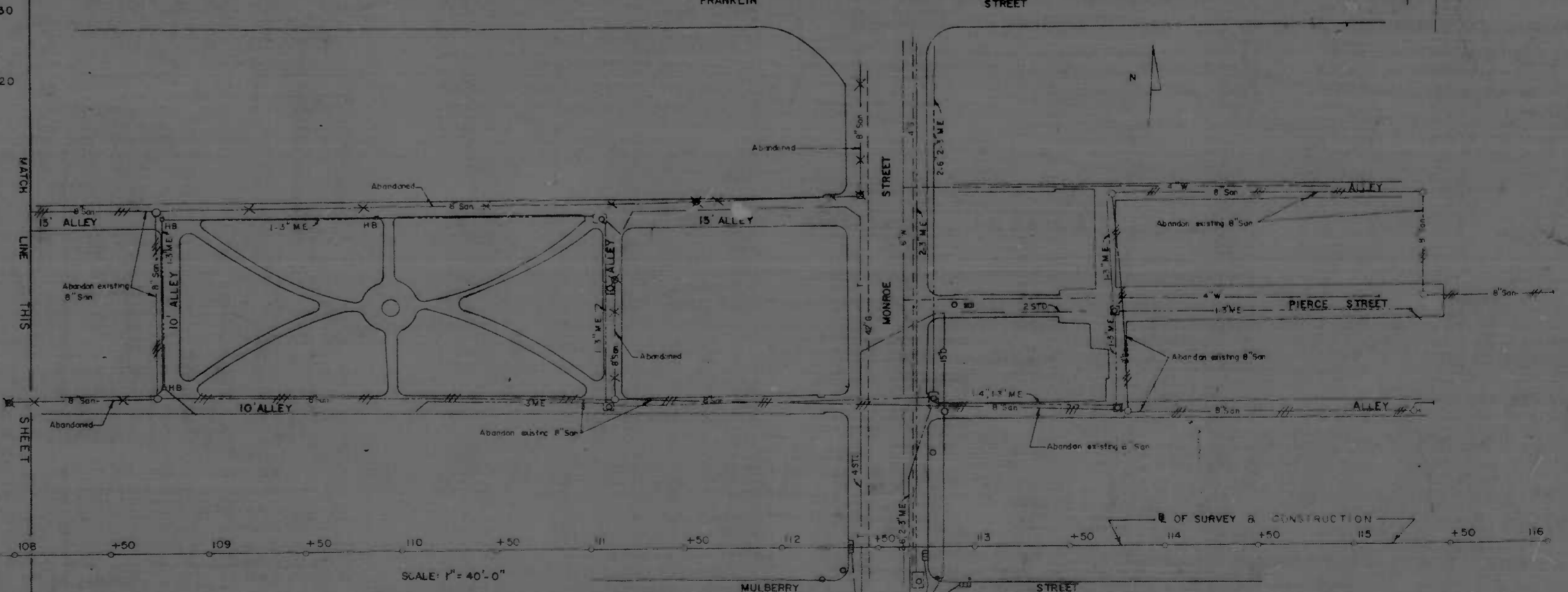
Note: Construct new 8" Sanitary Sewer and put in operation before existing 8" Sanitary Sewer is abandoned.



PROFILE
SCALE: 1"=40' (Hor.)
1"=10' (Vert.)



SCALE 1"=40'-0"



SCALE: 1"=40'-0"

NOTE A: THE MANHOLES TO BE ABANDONED, LOCATED IN W FRANKLIN ST AND IN N BRICE ST SHALL HAVE THE SEWERS PLUGGED AND SHALL BE BACK-FILLED AND TAMPED TO 4" INCHES OF THE COVER AND PLACING OF PAVEMENT OVER THE ABANDONED MANHOLE. THE MANHOLES WITHIN THE LIMITS OF EXCAVATION ARE TO BE REMOVED UNDER THE EXCAVATION ITEMS.

NOTE B: UTILIZATION PATTERNS NOT AFFECTED BY CONSTRUCTION SHALL NOT BE DISTURBED, BUT WILL BE ABANDONED UNDER A FUTURE CONSTRUCTION PROJECT.

REVISIONS	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS &		STATE ROADS COMMISSION OF MARYLAND INTERSTATE DIVISION FOR BALTIMORE CITY	
	UTILITY RELOCATIONS AND ABANDONMENTS		DRAWN BY: J.V.	DES. BY: J.V.
	SCALE AS SHOWN		DATE: NOV 1072	CHK. BY: DCH
			F.A.P. NO. I-170-8(5)2	SHEET NO. U-3
			S.R.C. NO. DC 259-4-8(5)	(33)
			BALTO. CITY NO. 2084	

2	MD	I-170-B(5)2	T1	T-4 (33)
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INDEX OF SHEETS

T-1 TITLE SHEET AND LOCATION PLAN
T-2 TYPICAL SECTION
T-3 LEGEND
T-4 HORIZONTAL & VERTICAL CONTROL & ROADWAY BORINGS

P-1 Thru P-2 ROADWAY PLANS
P-3 ROADWAY PROFILE

P-4 Thru P-5 DRAINAGE
P-6 RELOCATED PLAYGROUND

U-1 Thru U-3 UTILITIES
S-1 GENERAL PLAN & ELEVATION
S-2 Thru S-6 ABUTMENTS AND WALL
S-7 Thru S-12 NORTH & SOUTH RETAINING WALL

S-13 MISCELLANEOUS DETAILS
S-14 Thru S-16 STRUCTURAL BORINGS

Q-1 Thru Q-4 QUANTITIES

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
AND
STATE HIGHWAY ADMINISTRATION OF MARYLAND
INTERSTATE DIVISION FOR BALTIMORE CITY

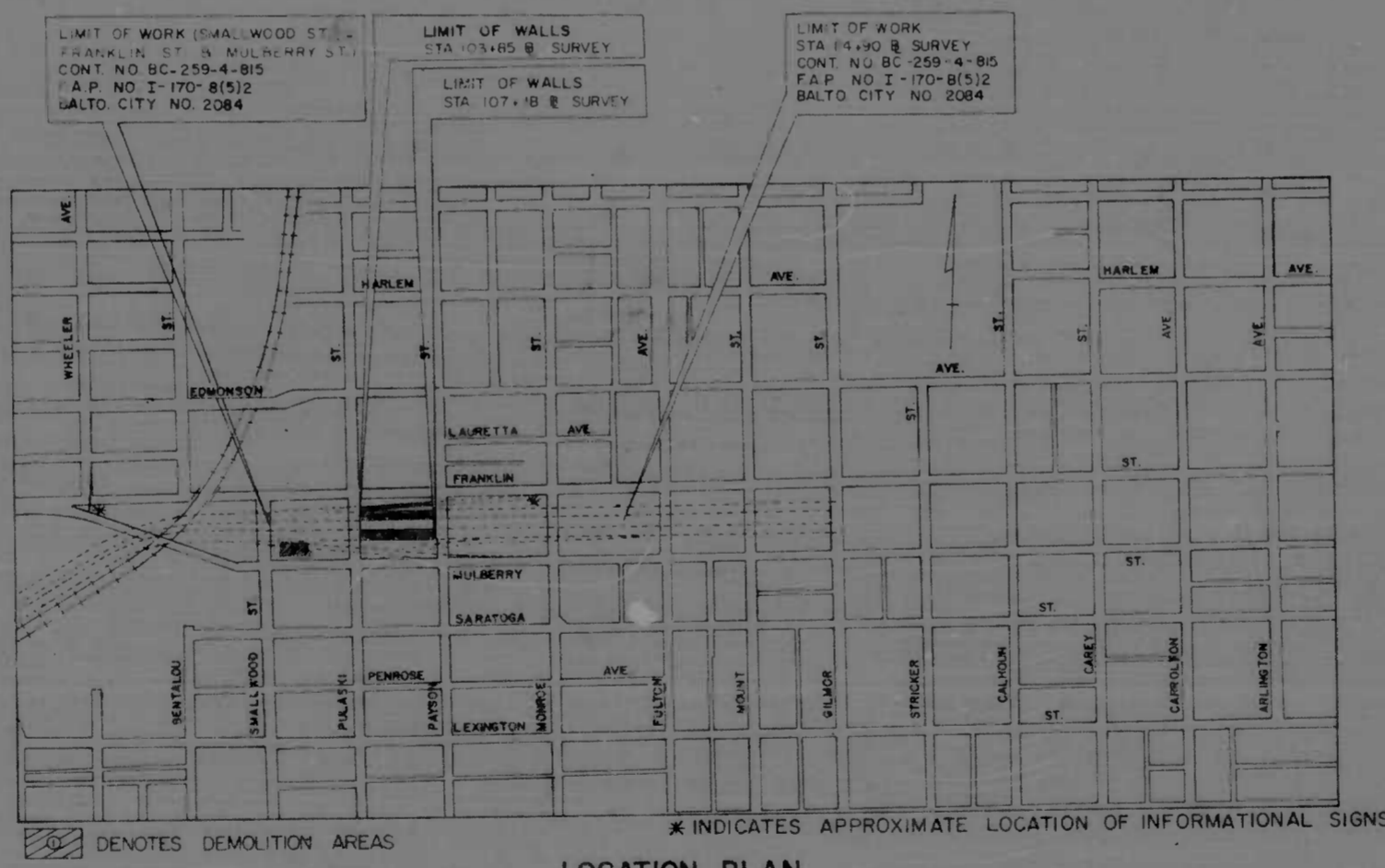
FEDERAL AID PROJECT NO. I-170-8(5)2
STATE HIGHWAY ADMINISTRATION NO. B.C. 259-4-815
CITY OF BALTIMORE BUREAU OF ENGINEERING,
HIGHWAY ENGINEERING DIVISION CONTRACT NO. 2084

INTERSTATE ROUTE 170
NORTH PULASKI STREET TO NORTH FULTON AVENUE
GRADE, DRAIN & SUPPORTING WALLS

Mr. E. D. MILLER

REVISIONS

ADDITIONAL SHEET 3/29/75 N.A.	1
REVISIONAL SHEET	



BALTIMORE CITY SURVEY BOOK NOS. 1678 & 1679

RIGHT OF WAY LINES SHOWN ON THESE PLANS DO NOT INCLUDE EASEMENT. THEY ARE FOR ASSISTANCE IN INTERPRETING THE PLANS. THESE LINES DO NOT REPRESENT THE OFFICIAL PROPERTY ACQUISITION LINES. FOR OFFICIAL FEE RIGHT OF WAY AND EASEMENT INFORMATION, SEE THE APPROPRIATE RIGHT OF WAY PLAT OR PLATS.

NOTE:
EFFECTIVE JULY 1, 1971, IN ACCORDANCE WITH THE PROVISIONS OF CHAPTER 526 OF THE ACTS OF THE 1970 GENERAL ASSEMBLY, WHEREVER THE TITLE "STATE ROADS COMMISSION" AND/OR TERM "COMMISSION" IS USED, IT SHALL BE CONSTRUED TO BE "THE STATE HIGHWAY ADMINISTRATION".

RIGHT OF WAY PLATS
I-170-1
I-170-2
I-170-3

LOCATION PLAN
SCALE 1" = 750'
DESIGN SPEED 60 M.P.H.
LENGTH OF PROJECT = RETAINED FILL - 0.06 MILE
GRADING - 0.15 MILE
TOTAL 0.21 MILE

CHECKED BY: BUREAU OF ENGINEERING WATER DIVISION WASTE WATER DIVISION HIGHWAY ENGINEERING DIVISION SURVEY AND RECORDS DIVISION BUREAU OF UTILITY OPERATIONS LIGHTING SECTION - HIGHWAY MAINTENANCE DIV. CONDUIT SECTION - HIGHWAY MAINTENANCE DIV.	INITIALS <i>RJK</i> DATE 2-8-73	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS APPROVAL RECOMMENDED <i>[Signature]</i> HEAD, BUREAU OF ENGINEERING APPROVED <i>[Signature]</i> DIRECTOR OF PUBLIC WORKS	PREPARED BY INTERSTATE DIVISION FOR BALTIMORE CITY APPROVED November 1972 DATE	CITY OF BALTIMORE APPROVED <i>[Signature]</i> DAVID A. CEARFOSS SEDIMENTATION & EROSION CONTROL REPRESENTATIVE	STATE HIGHWAY ADMINISTRATION OF MARYLAND REVIEWED AND APPROVAL RECOMMENDED <i>[Signature]</i> CHIEF, BUREAU OF ENGINEERING APPROVAL RECOMMENDED <i>[Signature]</i> CHIEF, INTERSTATE DIVISION FOR BALTIMORE CITY	STATE HIGHWAY ADMINISTRATION OF MARYLAND APPROVAL RECOMMENDED <i>[Signature]</i> DEPUTY CHIEF ENGINEER - DEVELOPMENT APPROVED <i>[Signature]</i> CHIEF ENGINEER	U. S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION APPROVED DIVISION ENGINEER _____ DATE _____
	DEPARTMENT OF TRANSIT AND TRAFFIC INITIALS _____ DATE _____						