

INTERSTATE

170

TITLE SHEETS

TITLE SHEETS

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Site Plans	1781	2219
Concept Design	1959	2270
1799	1962	2271 R
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1961	1984	2368
1980	1995	2410
2048	1996	2418
2108	1997	2437
2217	1998	
2264	2071	
2335	2072	
2416	2073	
	2115	
	2140	
	2156	
	2157	
	2158	
	2195	
	<del>2198</del>	
	<del>(1997)</del>	
	<del>2200 *</del>	
	2202	
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	2204 *	

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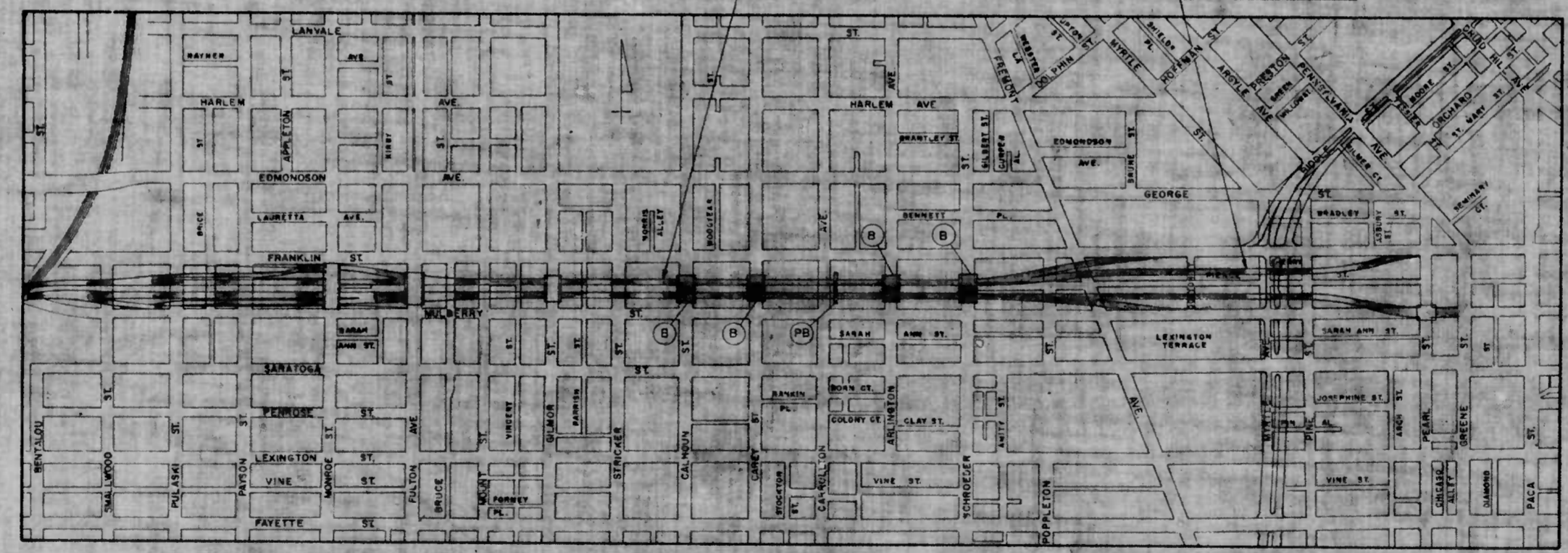
TOTAL SHEETS = 185  
 1-10 5-74

RIGHT OF WAY PLATS

- 1-170-6
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- 1-170-8
- 1-170-9

CITY OF BALTIMORE  
 DEPARTMENT OF PUBLIC WORKS  
 AND  
 THE STATE HIGHWAY ADMINISTRATION  
 INTERSTATE DIVISION FOR BALTIMORE CITY  
 FEDERAL AID PROJECT NO. I-170-8(8)  
 STATE HIGHWAY ADMINISTRATION NO. BC-259-7-815  
 CITY OF BALTIMORE BUREAU OF ENGINEERING  
 HIGHWAY ENGINEERING DIVISION CONTRACT NO. 2199  
**INTERSTATE ROUTE 170**  
 FROM WEST OF CALHOUN STREET  
 TO EAST OF FREMONT AVENUE

LIMIT OF WORK WBR - STA. 445+75.12 WBR EBR - STA. 445+49.00 EBR F.A.P. NO. I-170-8(1) S.H.A. NO. BC-259-7-815 BALTO. CITY NO. 2199	LIMIT OF WORK WBR - STA. 445+75.12 WBR EBR - STA. 445+49.00 EBR F.A.P. NO. I-170-8(1) S.H.A. NO. BC-259-7-815 BALTO. CITY NO. 2199	LIMIT OF WORK WBR - STA. 480+60.00 WBR EBR - STA. 480+30.00 EBR F.A.P. NO. I-170-8(1) S.H.A. NO. BC-259-7-815 BALTO. CITY NO. 2199	LIMIT OF WORK WBR - STA. 480+60.00 WBR EBR - STA. 480+30.00 EBR F.A.P. NO. I-170-8(1) S.H.A. NO. BC-259-7-815 BALTO. CITY NO. 2200
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**LEGEND**

(B) INDICATES LOCATION OF PROPOSED VEHICULAR BRIDGE TO BE CONSTRUCTED UNDER THIS CONTRACT

— INDICATES LIMITS OF WORK UNDER THIS CONTRACT

— INDICATES WORK TO BE PERFORMED UNDER OTHER CONTRACTS

(PB) INDICATES LOCATION OF PROPOSED PEDESTRIAN OVERPASS TO BE CONSTRUCTED UNDER THIS CONTRACT

BALTIMORE CITY SURVEY BOOKS	
BOOK NO.	DESCRIPTION
I-170-200	MULBERRY & FRANKLIN STS. - TRAVERSE
I-170-201	I-170 - LEVELS
I-170-202	MULBERRY & FRANKLIN STS. - TOPOGRAPHY
I-170-203	MULBERRY & FRANKLIN STS. - TOPOGRAPHY
I-170-205	N. CAREY ST., N. CARROLLTON AVE., N. ARLINGTON AVE., N. SCHROEDER ST., N. POPPLETON ST., N. FREMONT AVE., MYRTLE AVE. - TOPOGRAPHY
I-170-207	MULBERRY & FRANKLIN STS. - UTILITIES
I-170-208	INTERSECTING STS. - UTILITIES
I-170-209	SPUR LINES & UTILITIES - SOUTH SIDE MULBERRY ST.
I-170-211	CALHOUN ST., CAREY ST., ARLINGTON AVE., SCHROEDER ST., CARROLLTON AVE. - CROSS SECTIONS & CURB LOCATIONS
I-170-212	EXISTING INTERSECTING FILLET LOCATIONS
I-170-227	I-170 - BORINGS
I-170-228	I-170 (EBR & WBR) - CONSTR. (STAKEOUT)
I-170-229	I-170 - CROSS SECTIONS
I-170-230	FRANKLIN & MULBERRY STS. EXISTING CURB LOCATION
I-170-232	I-170 E.B.R. - CROSS SECTIONS POPPLETON ST., FREMONT AVE., GREENE ST., & SARA ANN ST. CROSS SECTIONS & CURB LOCATIONS MULBERRY ST. TOPO. (GREENE ST. TO PACA ST.)

TRAFFIC DATA			
	CALHOUN ST. TO FREMONT AVE.	FREMONT AVE. TO MYRTLE AVE.	
1995 ADT	2830	1810	
1995 DHV	2830	1810	
TRUCK DHV	7%	7%	
	MAX CURVATURE	MAX GRADE	
MAINLINE	2°00'00"	4.0021%	
RAMPS	3°30'00"	2.6081%	

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 PROVISION 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."

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 R.S.K./B.P.P. W.A.H./B.P.P. J.W.E. G.L.N./B.P.P. G.L.N./B.P.P.	DATE 5-14-74 5-14-74 5-14-74 5-14-74 5-14-74	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS APPROVAL RECOMMENDED APPROVED	PREPARED BY BALLARD-DIVER JOINT VENTURE CONSULTING ENGINEERS 17 GWYNNS MILL COURT OWINGS MILLS, MARYLAND 21117 SIGNED DATE	CITY OF BALTIMORE APPROVED REPRESENTATION AND EROSION CONTROL REPRESENTATIVE DATE SIGNED DATE	THE STATE HIGHWAY ADMINISTRATION REVIEWED AND APPROVAL RECOMMENDED APPROVAL RECOMMENDED APPROVED	U. S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION APPROVED DIVISION ENGINEER
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TOTAL SHEETS =	10-3-74
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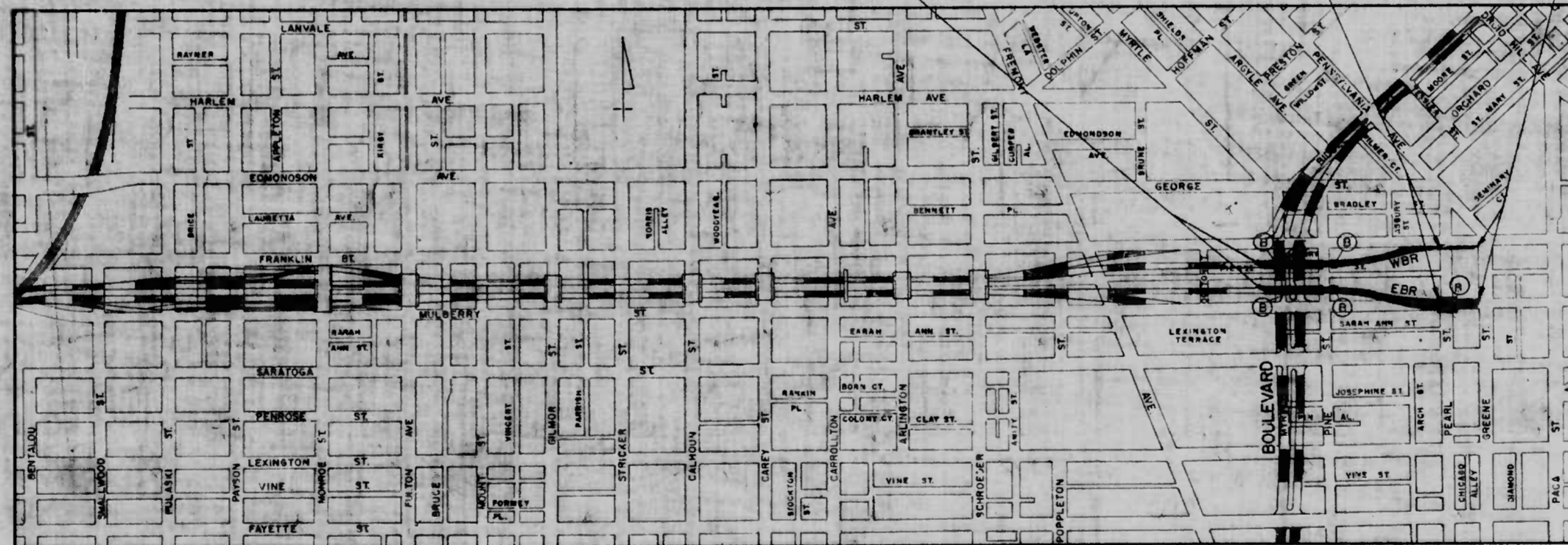
CITY OF BALTIMORE  
DEPARTMENT OF PUBLIC WORKS  
AND  
THE STATE HIGHWAY ADMINISTRATION  
INTERSTATE DIVISION FOR BALTIMORE CITY  
FEDERAL AID PROJECT NO. I-170-8(9) & U-928-1(24)  
STATE HIGHWAY ADMINISTRATION NO. BC-259-8-815 & BC-271-1-815  
CITY OF BALTIMORE BUREAU OF ENGINEERING  
HIGHWAY ENGINEERING DIVISION CONTRACT NO. 2200  
**INTERSTATE ROUTE 170**  
EAST OF FREMONT AVENUE TO GREENE STREET

REG. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET TOTAL SHEETS
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BALTIMORE CITY SURVEY BOOKS	
BOOK NO	DESCRIPTION
I-170-200	MULBERRY & FRANKLIN STS - TRAVERSE
I-170-201	I-170 - LEVELS
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I-170-212	FRANKLIN ST. - TOPOGRAPHY & UTILITIES
I-170-227	I-170 - BORINGS
I-170-232	MULBERRY ST. - CROSS SECTIONS

TRAFFIC DATA	
1995 ADT	18100
1995 DHV	1810
TRUCK DHV	7%
MAX. CURVATURE	7°
MAX. GRADE	4.2%

<b>LIMIT OF WORK</b> WBR - STA. 480+50 CO WBR EBR - STA. 480+50 EBR F.A.P. NO. I-170-8(9) S.H.A. NO. BC-259-7-815 BALTO. CITY NO. 2189	<b>LIMIT OF WORK</b> WBR - STA. 480+50 WBR EBR - STA. 480+50 EBR F.A.P. NO. I-170-8(9) S.H.A. NO. BC-259-8-815 BALTO. CITY NO. 2200	<b>LIMIT OF FEDERAL AID INTERSTATE PARTICIPATION</b> STA. 491+23.78 WBR STA. 490+79.28 EBR F.A.P. NO. I-170-8(9) S.H.A. NO. BC-259-8-815 BALTO. CITY NO. 2200	<b>LIMIT OF FEDERAL AID URBAN PARTICIPATION</b> STA. 491+23.78 WBR STA. 490+79.28 EBR F.A.P. NO. U-928-1(24) S.H.A. NO. BC-271-1-815 BALTO. CITY NO. 2200	<b>LIMIT OF WORK</b> WBR - STA. 493+60 EBR - STA. 493+60 F.A.P. NO. U-928-1(24) S.H.A. NO. BC-271-1-815 BALTO. CITY NO. 2200
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RIGHT OF WAY PLATS

- I-170-9
- I-170 10
- I-170-11

LEGEND

- (B) INDICATES LOCATION OF PROPOSED VEHICULAR BRIDGE TO BE CONSTRUCTED UNDER THIS CONTRACT
- INDICATES LIMITS OF WORK UNDER THIS CONTRACT
- INDICATES WORK TO BE PERFORMED UNDER OTHER CONTRACTS

LOCATION PLAN  
SCALE 1"=500'

DESIGN SPEED - 35 MPH  
LENGTH OF PROJECT - 0.246 MILES

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 PROVISION 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."

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. SEDIMENTATION AND EROSION CONTROL REP	INITIALS DATE R.S.K./J.P.P. 6-17-74 W.A.H./B.A.P. 6-17-74 G.P./J.P.P. 6-17-74 G.L.N./B.A.P. 6-17-74 J.P.P. 6-17-74 J.P.P. 6-20-74	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS APPROVAL RECOMMENDED O. Coleman Ray 6/17/74 HEAD, BUREAU OF ENGINEERING DATE APPROVED Joseph H. DeLoach DIRECTOR OF PUBLIC WORKS DATE	PREPARED BY BALLARD-DIVER JOINT VENTURE CONSULTING ENGINEERS 17 GWYNNS MILL COURT OWINGS MILLS, MARYLAND 21117 Charles B. DeLoach 6/17/74 SIGNED DATE William T. DeLoach 6/17/74 SIGNED DATE
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THE STATE HIGHWAY ADMINISTRATION REVIEWED AND APPROVAL RECOMMENDED William H. Holloman 6/17/74 CHIEF, BUREAU OF DESIGN APPROVAL RECOMMENDED Richard W. DeLoach 6/17/74 CHIEF, INTERSTATE DIVISION FOR BALTIMORE CITY APPROVED Hugh L. Downs 6/21/74 CHIEF ENGINEER	U. S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION APPROVED DIVISION ENGINEER
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QUANTITIES

Q-1 - Q-5	SUMMARY OF QUANTITIES
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TOTAL SHEETS = 176 177  
8-5-74

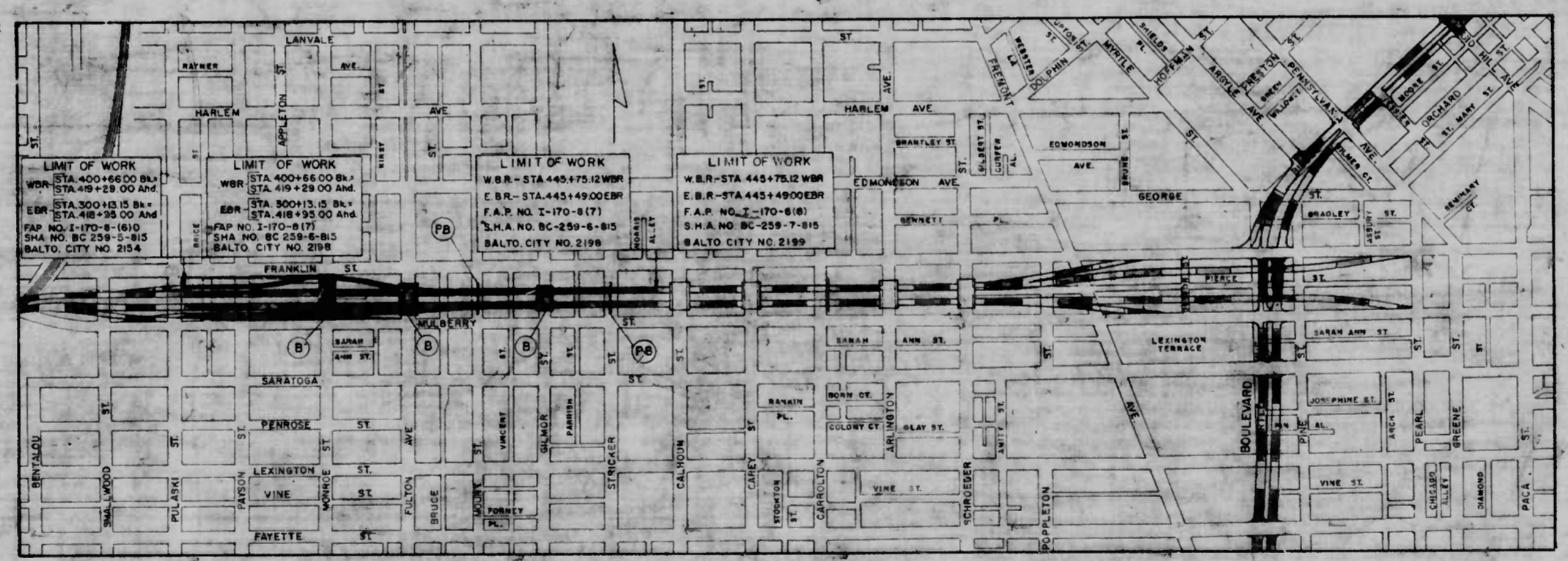
RIGHT OF WAY PLATS

- I-170-4
- I-170-5
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CITY OF BALTIMORE  
DEPARTMENT OF PUBLIC WORKS  
AND  
THE STATE HIGHWAY ADMINISTRATION  
INTERSTATE DIVISION FOR BALTIMORE CITY  
FEDERAL AID PROJECT NO. I-170-8(7)  
STATE HIGHWAY ADMINISTRATION NO. BC-259-6-815  
CITY OF BALTIMORE BUREAU OF ENGINEERING  
HIGHWAY ENGINEERING DIVISION CONTRACT NO. 2198

# INTERSTATE ROUTE 170

FROM EAST OF PULASKI STREET  
TO WEST OF CALHOUN STREET



LEGEND

- (B) INDICATES LOCATION OF PROPOSED VEHICULAR BRIDGE TO BE CONSTRUCTED UNDER THIS CONTRACT
- INDICATES LIMITS OF WORK UNDER THIS CONTRACT
- INDICATES WORK TO BE PERFORMED UNDER FUTURE CONTRACTS
- (PB) INDICATES LOCATION OF PROPOSED PEDESTRIAN OVERPASS TO BE CONSTRUCTED UNDER THIS CONTRACT

LOCATION PLAN  
SCALE 1"=500'

DESIGN SPEED - 60 MPH  
LENGTH OF PROJECT - 0.501 MILES

BALTIMORE CITY SURVEY BOOKS

BOOK NO.	DESCRIPTION
I-170-200	MULBERRY & FRANKLIN STS. - TRAVERSE
I-170-201	I-170 - LEVELS
I-170-204	MULBERRY & FRANKLIN STS. - TOPOGRAPHY
I-170-207	MULBERRY & FRANKLIN STS. - UTILITIES
I-170-208	INTERSECTING STREETS - UTILITIES
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I-170-229	I-170 - CROSS SECTIONS
I-170-230	PULASKI ST. - TRAVERSE, TOPOGRAPHY & CROSS SECTIONS
I-170-231	SOUTHWESTERN HIGH SCHOOL - TRAVERSE, TOPOGRAPHY & CROSS SECTIONS

TRAFFIC DATA

1995 ADT	28300
1995 DHV	2830
TRUCK DHV	7%
MAX. CURVATURE	MAX. GRADE
MAINLINE	0°15'00" 4%
RAMPS	6°00'00" 5.2639%

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 PROVISION 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."

<p>CHECKED BY:</p> <p>BUREAU OF ENGINEERING</p> <p>WATER DIVISION</p> <p>WASTE WATER DIVISION</p> <p>HIGHWAY ENGINEERING DIVISION</p> <p>SURVEY AND RECORDS DIVISION</p> <p>BUREAU OF UTILITY OPERATIONS</p> <p>LIGHTING SECTION HIGHWAY MAINTENANCE DIV.</p> <p>CONDUIT SECTION HIGHWAY MAINTENANCE DIV.</p> <p>DEPARTMENT OF TRANSIT AND TRAFFIC</p>	<p>INITIALS</p> <p>RJK/PAK</p> <p>WAH/PAK</p> <p>WFE</p> <p>SLN/PAK</p> <p>GLM/PAK</p> <p>JWE</p> <p>DATE</p> <p>12/14/73</p> <p>12/14/73</p> <p>12/14/73</p> <p>12/14/73</p> <p>12/14/73</p> <p>12/14/73</p>	<p>CITY OF BALTIMORE</p> <p>DEPARTMENT OF PUBLIC WORKS</p> <p>APPROVAL RECOMMENDED</p> <p>HEAD, BUREAU OF ENGINEERING</p> <p>DATE</p> <p>12/14/73</p> <p>APPROVED</p> <p>DIRECTOR OF PUBLIC WORKS</p> <p>DATE</p> <p>12/14/73</p>	<p>PREPARED BY</p> <p>BALLARD-DIVER JOINT VENTURE</p> <p>CONSULTING ENGINEERS</p> <p>17 GWYNNS MILL COURT</p> <p>OWINGS MILLS, MARYLAND 21117</p> <p>SIGNED</p> <p>Charles P. Diver</p> <p>DATE</p> <p>12/14/73</p> <p>SIGNED</p> <p>Wilson T. Ballard</p> <p>DATE</p> <p>12/14/73</p>	<p>CITY OF BALTIMORE</p> <p>APPROVED</p> <p>SEGMENTATION AND EROSION CONTROL REPRESENTATIVE</p> <p>DATE</p> <p>12/14/73</p>	<p>THE STATE HIGHWAY ADMINISTRATION</p> <p>REVIEWED AND APPROVAL RECOMMENDED</p> <p>CHIEF, BUREAU OF DESIGN</p> <p>APPROVAL RECOMMENDED</p> <p>CHIEF, INTERSTATE DIVISION FOR BALTIMORE CITY</p> <p>DATE</p> <p>12/14/73</p>	<p>U. S. DEPARTMENT OF TRANSPORTATION</p> <p>FEDERAL HIGHWAY ADMINISTRATION</p> <p>APPROVED</p> <p>DATE</p> <p>12/14/73</p>
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FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	I-170-8(10)	1	17

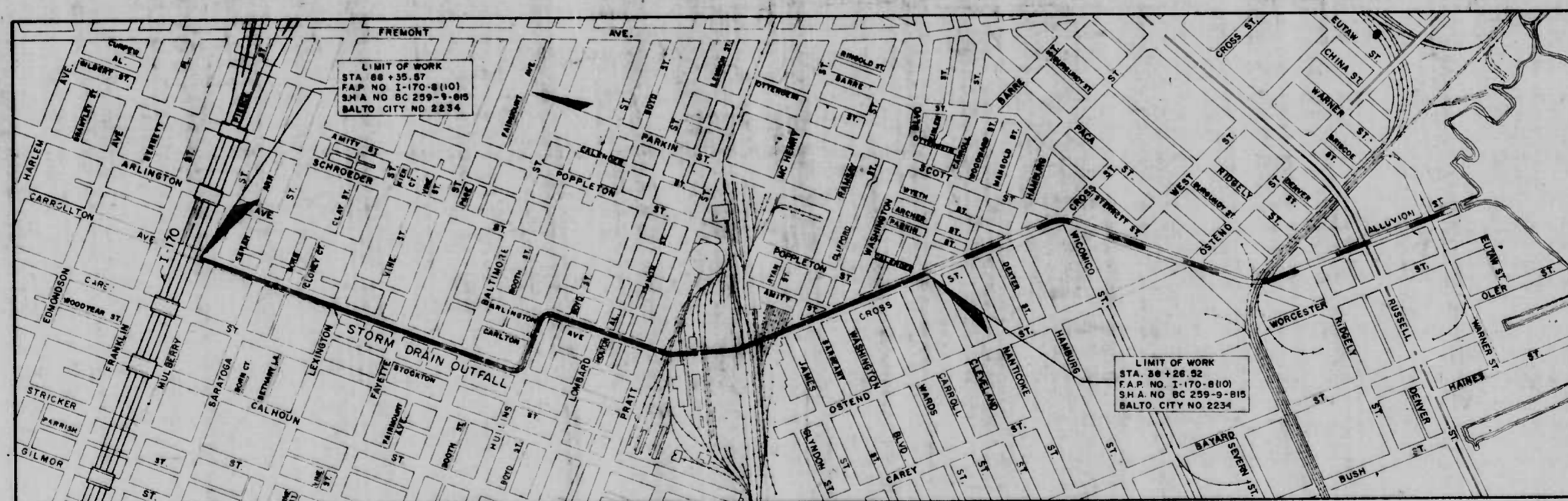
INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET AND LOCATION PLAN
2	LEGEND AND GENERAL NOTES
3	STAKEOUT DATA
4	PLAN & PROFILE STA. 38+00 TO STA. 48+00
5	PLAN & PROFILE STA. 48+00 TO STA. 57+00
6	PLAN & PROFILE STA. 57+00 TO STA. 65+50
7	PLAN & PROFILE STA. 65+50 TO STA. 78+00
8	PLAN & PROFILE STA. 78+00 TO STA. 89+00
9	TUNNEL SHAFT NO. 1 DETAILS (CROSS & CARROLL STS.)
	TUNNEL SHAFT NO. 2 DETAILS (CROSS & JAMES/RAMSAY STS.)
10	TUNNEL SHAFT NO. 3 DETAILS (ARLINGTON AVE. & PRATT ST.)
	TUNNEL SHAFT NO. 4 DETAILS (ARLINGTON AVE. & HOLLINS ST.)
11	TUNNEL SHAFT NO. 5 DETAILS (CARROLLTON AVE. & HOLLINS ST.)
	TUNNEL SHAFT NO. 6 DETAILS (CARROLLTON AVE. & FAYETTE ST.)
12	TUNNEL SHAFT NO. 7 DETAILS (CARROLLTON AVE. & MULBERRY ST.)
13	TYPICAL TUNNEL DETAILS
14	TYPICAL MANHOLE DETAILS
15 & 16	BORINGS
17	SUMMARY OF QUANTITIES
8A	RED LINE REVISION INDICATES PROP. LOCATION OF 115 KV PIPE CABLE BY OTHERS
12A	RED LINE REVISION INDICATES PROP. LOCATION OF 115 KV PIPE CABLE BY OTHERS

CITY OF BALTIMORE  
DEPARTMENT OF PUBLIC WORKS  
AND  
THE STATE HIGHWAY ADMINISTRATION  
INTERSTATE DIVISION FOR BALTIMORE CITY  
FEDERAL AID PROJECT NO. I-170-8(10)  
STATE HIGHWAY ADMINISTRATION NO. BC-259-9-815  
CITY OF BALTIMORE BUREAU OF ENGINEERING  
HIGHWAY ENGINEERING DIVISION CONTRACT NO. 2234

**INTERSTATE ROUTE 170**  
**STORM DRAIN OUTFALL**  
I-170 TO SOUTH OF CARROLL STREET

BALTIMORE CITY SURVEY BOOKS	
BOOK NO.	DESCRIPTION
I-170-213	STORM DRAIN OUTFALL - TRAVERSE REFERENCES AND TIES TO BALTO. CITY SURVEY CONTROL. SIDE STREET SPUR LINES: WARNER ST. TO LOMBARD ST.
I-170-214	STORM DRAIN OUTFALL - LEVELS
I-170-215, 216 & 217	STORM DRAIN OUTFALL - TOPOGRAPHY, UTILITY ELEVATIONS AND CROSS SECTIONS
I-170-218, 219 & 220	SIDE STREETS - REFERENCES & TOPOGRAPHY WARNER STREET TO PRATT STREET
I-170-221 & 222	SIDE STREETS - SPUR LINES, REFERENCES & TOPOGRAPHY - LOMBARD ST. TO SARAH ANN ST.
I-170-223, 224, 225 & 226	SIDE STREETS - BENCH MARKS, PROFILES & CROSS SECTIONS - WARNER STREET TO SARATOGA STREET
I-170-227	STORM DRAIN OUTFALL - BORING & AUGER LOCATIONS



RIGHT OF WAY PLAT NO. I-170-12

LOCATION PLAN  
SCALE 1"=500'

LENGTH OF PROJECT 5009 FEET

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 PROVISION 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."

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>R.K./BAP</i> <i>W.H.H./BAP</i> <i>W.P.S.</i> <i>G.N./BAP</i> <i>G.H./BAP</i> <i>J.W.E.</i>	DATE 3-6-74 3-6-74 3-6-74 3-6-74 3-5-74 3-6-74	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS APPROVAL RECOMMENDED <i>[Signature]</i> HEAD, BUREAU OF ENGINEERING APPROVED DIRECTOR OF PUBLIC WORKS	PREPARED BY BALLARD-DIVER JOINT VENTURE CONSULTING ENGINEERS 17 GWYNNS MILL COURT OWINGS MILLS, MARYLAND 21117 SIGNED <i>[Signature]</i> DATE 3/5/74	CITY OF BALTIMORE APPROVED <i>[Signature]</i> SEDIMENTATION AND EROSION CONTROL REPRESENTATIVE DATE 3/6/74	THE STATE HIGHWAY ADMINISTRATION REVIEWED AND APPROVAL RECOMMENDED <i>[Signature]</i> CHIEF, BUREAU OF DESIGN APPROVAL RECOMMENDED <i>[Signature]</i> CHIEF, INTERSTATE DIVISION FOR BALTIMORE CITY APPROVED <i>[Signature]</i> CHIEF ENGINEER	U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION APPROVED DIVISION ENGINEER DATE
	DEPARTMENT OF TRANSIT AND TRAFFIC			1974			



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	Title Sheet
2	Legend and General Notes
3	Construction Stakeout Data
4	Sta. 19+90.81 to Sta. 24+50
5	Sta. 24+50 to Sta. 30+00
6	Sta. 30+00 to Sta. 36+00
7	Sta. 36+00 to Sta. 38+26.52
8	Sta. 19+90.81 to Sta. 22+18.82
9	Sta. 22+18.82 to Sta. 24+58.82
10	Sta. 24+58.82 to Sta. 26+98.82
11	Sta. 26+98.82 to Sta. 28+51.91
12	Box Culvert Typical Section and Details
13	Miscellaneous Details
14	Typical Sections and Details
15	8 In. Water Reloc. - Scott St. (Ostend St. to Wicomico St.)
16	8 In. Water Reloc. - Scott St. (Ostend St. to Wicomico St.)
17	Water Main Details
18	8 In. San. Sewer - Scott St. (Ostend St. to Wicomico St.)
19	8 In. San. Sewer - Scott St. (Ostend St. to Wicomico St.)
20	Mech. Elec. Line Scott St. and Ostend St.
21	Miscellaneous Utility Details
22	Borings
23	Borings
24	Summary of Quantities
5A	Sta. 24+50 to Sta. 30+50 (Alt. 'B')
11A	Alt. 'B' - Sta. 26+98.82 to Sta. 27+28.82 and Tunnel Details
19A	8 In. San. Sewer - Scott St./Cross St./Nanticoke St. (Alt. 'B')

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
MD	I-170-8(12)	1	24

**CITY OF BALTIMORE**  
**DEPARTMENT OF PUBLIC WORKS**  
**AND**  
**THE STATE HIGHWAY ADMINISTRATION**  
**INTERSTATE DIVISION FOR BALTIMORE CITY**  
**FEDERAL AID PROJECT NO. I-170-8(12)**  
**STATE HIGHWAY ADMINISTRATION NO. BC 259-11-815**  
**CITY OF BALTIMORE BUREAU OF ENGINEERING**  
**HIGHWAY ENGINEERING DIVISION CONTRACT NO. 2286**  
  
**INTERSTATE ROUTE 170**  
**STORM DRAIN OUTFALL**  
**SOUTH OF CARROLL STREET TO OSTEND STREET**

BOOK NO.	DESCRIPTION
I-170-213	STORM DRAIN OUTFALL - TRAVERSE REFERENCES AND TIES TO BALTO. CITY SURVEY CONTROL. SIDE STREET SPUR LINES: WARNER ST. TO LOMBARD ST.
I-170-214	STORM DRAIN OUTFALL - LEVELS
I-170-215	STORM DRAIN OUTFALL - TOPOGRAPHY, UTILITY ELEVATIONS AND CROSS SECTIONS
I-170-218	SIDE STREETS - REFERENCES & TOPOGRAPHY
219 & 220	WARNER STREET TO PRATT STREET
I-170-221	SIDE STREETS - SPUR LINES, REFERENCES & TOPOGRAPHY - LOMBARD ST. TO SARAH ANN ST.
I-170-223	SIDE STREETS - BENCH MARKS, PROFILES & CROSS SECTIONS - WARNER STREET TO SARATOGA STREET
224, 225 & 226	CROSS SECTIONS - WARNER STREET TO SARATOGA STREET
I-170-227	STORM DRAIN OUTFALL - BORING & AUGER LOCATIONS
I-170-233 & 234	MISCELLANEOUS TOPOGRAPHY, CROSS SECTIONS AND ELEVATIONS



**LEGEND**

— INDICATES LIMITS OF WORK UNDER THIS CONTRACT

— INDICATES WORK TO BE PERFORMED UNDER BALTIMORE CITY CONTRACT NO. 2234

--- FUTURE CONSTRUCTION

**LOCATION PLAN**  
SCALE 1"=500'

**LENGTH OF PROJECT = 1757.70 FEET (0.3329 MILE)**  
**(PERMANENT CONSTRUCTION)**

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  
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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 SEDIMENTATION AND EROSION CONTROL REP. DEPARTMENT OF TRANSIT AND TRAFFIC	INITIALS R.J.K./bap W.A.H./bap G.N.G./bap G.N.G./bap D.A.C. J.W.E.	DATE 10/9/74 10/9/74 10/9/74 10/9/74 10/9/74 10/9/74	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS APPROVAL RECOMMENDED APPROVED APPROVED	PREPARED BY BALLARD-DIVER JOINT VENTURE CONSULTING ENGINEERS 17 GWYNNS MILL COURT OWINGS MILLS, MARYLAND 21117	THE STATE HIGHWAY ADMINISTRATION REVIEWED AND APPROVAL RECOMMENDED APPROVAL RECOMMENDED APPROVED	U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION APPROVED
	DEPARTMENT OF PUBLIC WORKS APPROVAL RECOMMENDED APPROVED APPROVED					



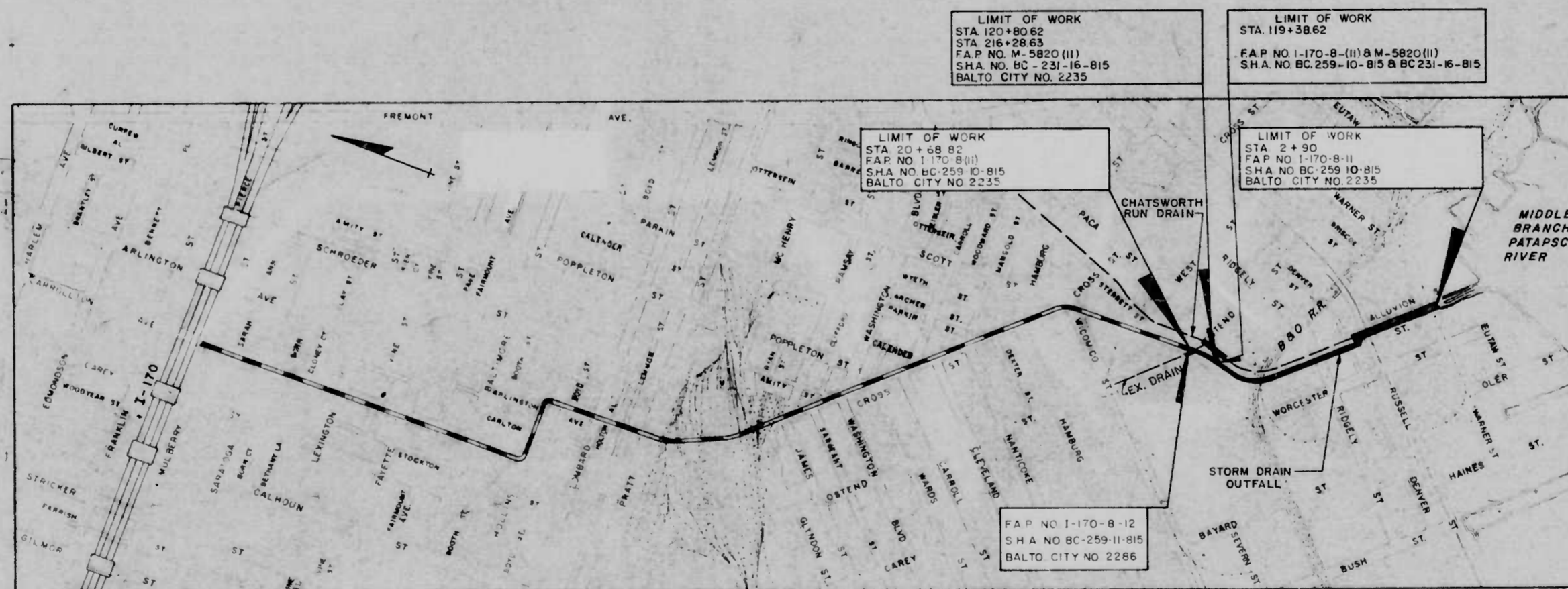
INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	LEGEND AND GENERAL NOTES
3	STAKEOUT DATA
4	SUGGESTED CONSTRUCTION SEQUENCE, STA. 2+30 TO STA. 8+54
5	SUGGESTED CONSTRUCTION SEQUENCE, STA. 8+34 TO STA. 14+68.50
6	SUGGESTED CONSTRUCTION SEQUENCE, STA. 14+68.50 TO STA. 20+68.82
7	STORM DRAIN PLAN AND PROFILE STA. 2+30 TO STA. 6+50
8	STORM DRAIN PLAN AND PROFILE STA. 6+50 TO STA. 12+50
9	STORM DRAIN PLAN AND PROFILE STA. 12+50 TO STA. 19+00
10	STORM DRAIN PLAN AND PROFILE STA. 19+00 TO STA. 20+68.82
11	STORM DRAIN PROFILES - PACA STREET BRANCH
12	PAVING PLAN - ALLUVION AND WARNER STREETS
13	RAILROAD AND DRIVEWAY PROFILES
14	TEMPORARY WARNER STREET TRACK RELOCATION
15	PAVING TYPICAL SECTIONS AND DETAILS
16	PLAN OF BOX CULVERT OUTLET
17	BOX CULVERT OUTLET DETAILS
18	BOX CULVERT PLAN AND PROFILE STA. 3+18.5 TO STA. 5+64
19	BOX CULVERT PLAN AND PROFILE STA. 5+64 TO STA. 8+09
20	BOX CULVERT PLAN AND PROFILE STA. 8+09 TO STA. 10+57.15
21	BOX CULVERT PLAN AND PROFILE STA. 10+57.15 TO STA. 13+02.15
22	BOX CULVERT PLAN AND PROFILE STA. 13+02.15 TO STA. 15+36.15
23	BOX CULVERT PLAN STA. 15+36.15 TO STA. 18+49.15
24	BOX CULVERT PLAN STA. 18+49.15 TO STA. 20+40.30
25	BOX CULVERT PROFILES STA. 15+36.15 TO STA. 20+40.30
26	BOX CULVERT PLAN AND PROFILE STA. 20+40.30 TO STA. 20+68.82
27	BOX CULVERT TYPICAL SECTIONS AND DETAILS, SECTIONS 1 AND 2
28	BOX CULVERT TYPICAL SECTIONS AND DETAILS, SECTIONS 3, 4 AND 5
29	BOX CULVERT TYPICAL SECTIONS AND DETAILS, SECTIONS 6, 7, 8 AND 9
30	BOX CULVERT TYPICAL SECTIONS AND DETAILS, SECTIONS 10, 11, 12 AND 13
31	BOX CULVERT TYPICAL SECTIONS AND DETAILS, SECTIONS 14, 15 AND 16
32	BOX CULVERT TYPICAL SECTIONS AND DETAILS, SECTIONS 17, 18 AND 19
33	TRANSITION TO EXISTING DRAIN AT STA. 215+14.75
34	TRANSITION TO EXISTING DRAIN AT STA. 300+43.06
35	TYPICAL SECTIONS AT EXISTING DRAINS
36	MISCELLANEOUS BOX CULVERT DETAILS
37	MISCELLANEOUS BOX CULVERT DETAILS
38	MISCELLANEOUS BOX CULVERT DETAILS
39	RAILROAD SUPPORT OVER EXISTING ARCH CULVERT
40	WATER MAIN RELOC. ALLUVION STREET (RUSSELL ST. AND RIDGELY ST.)
41	30 IN. WATER MAIN RELOCATION ALLUVION ST. & RUSSELL ST.
42	30 IN. WATER MAIN DETAILS
43	8 IN. WATER RELOCATION SCOTT ST. & OSTEND ST.
44	MECH. ELEC. LINE ALLUVION ST. (RUSSELL ST. & RIDGELY ST.)
45	MECH. ELEC. LINE PROFILES & MISCELLANEOUS DETAILS
46	MECH. ELEC. LINE B&O RAILROAD TO OSTEND ST.
47	MECH. ELEC. LINE SCOTT ST. AND OSTEND ST.
48	MISCELLANEOUS UTILITY DETAILS
49	RELOC. OF E.B.M. AND W.B.M. TRACK AT SCOTT ST.
50	CONN. BETWEEN S. BALTO. BR. AND TRACK NO. T-189(1)
51	BORINGS
52	SUMMARY OF QUANTITIES
53	SUMMARY OF QUANTITIES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET TOTAL NO.
3	MD	I-170-8(II) M-5820(II)	1 53

CITY OF BALTIMORE  
DEPARTMENT OF PUBLIC WORKS  
AND  
THE STATE HIGHWAY ADMINISTRATION  
INTERSTATE DIVISION FOR BALTIMORE CITY  
FEDERAL AID PROJECT NO. I-170-8(II) & M-5820(II)  
STATE HIGHWAY ADMINISTRATION NO. BC-259-10-815 & BC-231-16-815  
CITY OF BALTIMORE BUREAU OF ENGINEERING  
HIGHWAY ENGINEERING DIVISION, CONTRACT NO. 2235  
  
**INTERSTATE ROUTE 170**  
**STORM DRAIN OUTFALL**  
**OSTEND STREET TO MIDDLE BRANCH**

BALTIMORE CITY SURVEY BOOKS	
BOOK NO.	DESCRIPTION
I-170-213	STORM DRAIN OUTFALL - TRAVERSE REFERENCES AND TIES TO BALTO. CITY SURVEY CONTROL. SIDE STREET SPUR LINES: WARNER ST. TO LOMBARD ST.
I-170-214	STORM DRAIN OUTFALL - LEVELS
I-170-215, 216 & 217	STORM DRAIN OUTFALL - TOPOGRAPHY, UTILITY ELEVATIONS AND CROSS SECTIONS
I-170-218, 219 & 220	SIDE STREETS - REFERENCES & TOPOGRAPHY WARNER STREET TO PRATT STREET
I-170-221 & 222	SIDE STREETS - SPUR LINES, REFERENCES & TOPOGRAPHY - LOMBARD ST. TO SARAH ANN ST.
I-170-223 & 224, 225 & 226	SIDE STREETS - BENCH MARKS, PROFILES & CROSS SECTIONS - WARNER STREET TO SARATOGA STREET
I-170-227	STORM DRAIN OUTFALL - BORING & AUGER LOCATIONS
I-170-233 & 234	MISCELLANEOUS TOPOGRAPHY, CROSS SECTIONS AND ELEVATIONS



RIGHT OF WAY PLATS

- I-170-13
- I-170-14
- I-170-22

**LEGEND**

	INDICATES LIMITS OF WORK UNDER THIS CONTRACT
	INDICATES WORK TO BE PERFORMED UNDER BALTIMORE CITY CONTRACT NO. 2234 & 2286

LOCATION PLAN  
SCALE 1"=500'

LENGTH OF PROJECT = 1838.86 FEET (0.3483 MILE)

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.

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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 SEDIMENTATION AND EROSION CONTROL R.P. DEPARTMENT OF TRANSIT AND TRAFFIC	INITIALS RJK/BPP W.A.H./BPP W.S. J.H. G.W.H./BPP G.L.H./BPP J.W.E.	DATE 5-9-75 5-9-75 5/12/75 5/12/75 5-9-75 5-9-75 5-12-75	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS APPROVAL RECOMMENDED APPROVED DEPARTMENT OF PUBLIC WORKS	PREPARED BY BALLARD-DIVER JOINT VENTURE CONSULTING ENGINEERS 17 GWYNNS MILL COURT OWINGS MILLS, MARYLAND 21117 APPROVED DATE	THE STATE HIGHWAY ADMINISTRATION REVIEWED AND APPROVAL RECOMMENDED APPROVAL RECOMMENDED APPROVED CHIEF ENGINEER	U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION APPROVED DIVISION ENGINEER
	(Signatures and dates for approval)			(Signatures and dates for approval)		