

LOCATION MAP
Scale: 1" = 600'

Benchmark: 203 Rebet Elev. 255.54

S.R.C. Brass Marker Set In Concrete East Side Md. Route 175, 45' From Edge Of Existing Concrete Paving, And 30' From The South Curb Of The North Entrance To Patuxent Institute.

GENERAL NOTES

- 1) Contractor Shall Locate Existing Utilities In Advance Of Construction Operations In The Vicinity Of Proposed Utilities.
- 2) Approximate Locations Of Existing Mains Are Shown. The Contractor Shall Take All Necessary Precautions To Protect Existing Mains And Services And Maintain Uninterrupted Supply. Any Damage Incurred Shall Be Repaired Immediately.
- 3) All Horizontal Controls Are Based On Maryland State Coordinates.

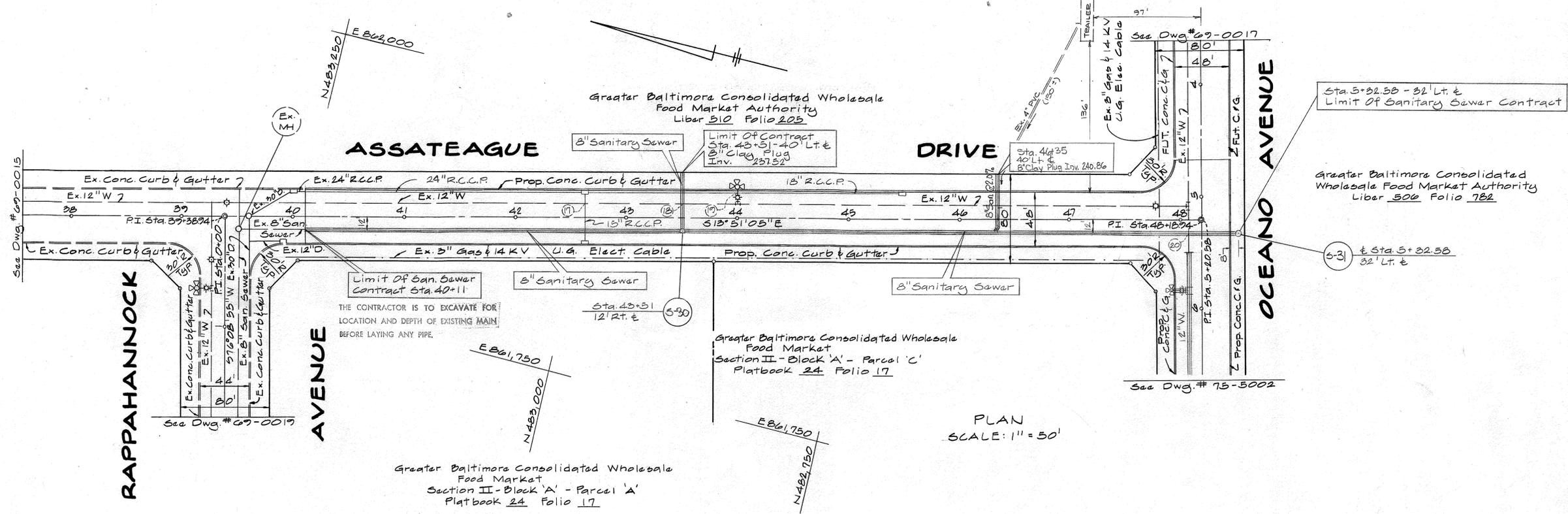
203 - Rebet	N 484 092.65
	E 862 115.14
"111-A"	N 485589.54
	E 862301.02
- 4) All Pipe Elevations Shown Are Invert Elevations, Unless Otherwise Noted.
- 5) Minimum Vertical Clearance Between Water & Sanitary Sewers Shall Be 1.0'. Minimum Vertical Clearance Between Water & Other Utilities Shall Be 0.5'.
- 6) All Structures Shall Be Constructed In Accordance With Howard County Standard Details, Unless Otherwise Noted.
- 7) Contractor Shall Notify The Following Utilities Or Agencies At Least Five (5) Days Before Starting Work Shown On These Plans.
 - a) Baltimore Gas And Electric Company - Underground Electric Distribution Engineering - "Damage Control" 234-5691.
 - b) Baltimore Gas And Electric Company - Underground Gas Distribution Engineering 1-559-0100.
- 8) All Water Mains To Be C.I.P. Or D.I.P. Unless Otherwise Noted.
- 9) Top Of All Water Mains To Have A Minimum Of 4.0' Cover Unless Otherwise Noted.
- 10) All Valves Shall Be Strapped To Tees In Accordance With Standard Details.
- 11) All Fittings Shall Be Blocked With Concrete, In Accordance With Standard Details.
- 12) All Sewer Mains Shall Be V.C.P.X., Or A.C.P., Class 3300, Unless Otherwise Noted.
- 13) The Contractor Shall Provide A Joint In All Sewer Mains Within 2'-0" Of Exterior Manhole Wall.
- 14) All Manholes Shall Be 4'-0" Inside Diameter, Unless Otherwise Noted, And Shall Have Standard Heavy Traffic Frame & Cover.
- 15) All Construction Shall Be Accomplished In Accordance With Howard County, Md., Department Of Public Works, Standard Specifications And Details For Water Mains And Sanitary Sewers Unless Otherwise Noted On The Plans Or In The Contract Specifications.



Charles S. Fick 9/14/75
Reg. No. 3048 Date

GEORGE W. STEPHENS JR. & ASSOC. INC. CONSULTING ENGINEERS 303 ALLEGHENY AVE. TOWSON, MD. 21284	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND William A. Altman 1/7/76 DIRECTOR OF PUBLIC WORKS - DATE	CONTRACT No. 664-D-W&S (Howard County)	GREATER BALTIMORE CONSOLIDATED WHOLESALE FOOD MARKET HOWARD CO., MD.	DRAWING No. 75-5000 SHEET No. 1 OF 6	SCALE: AS SHOWN	DESIGNED BY: R.A.P. DRAWN BY: G.R.G. CHECKED BY: H.F.S.
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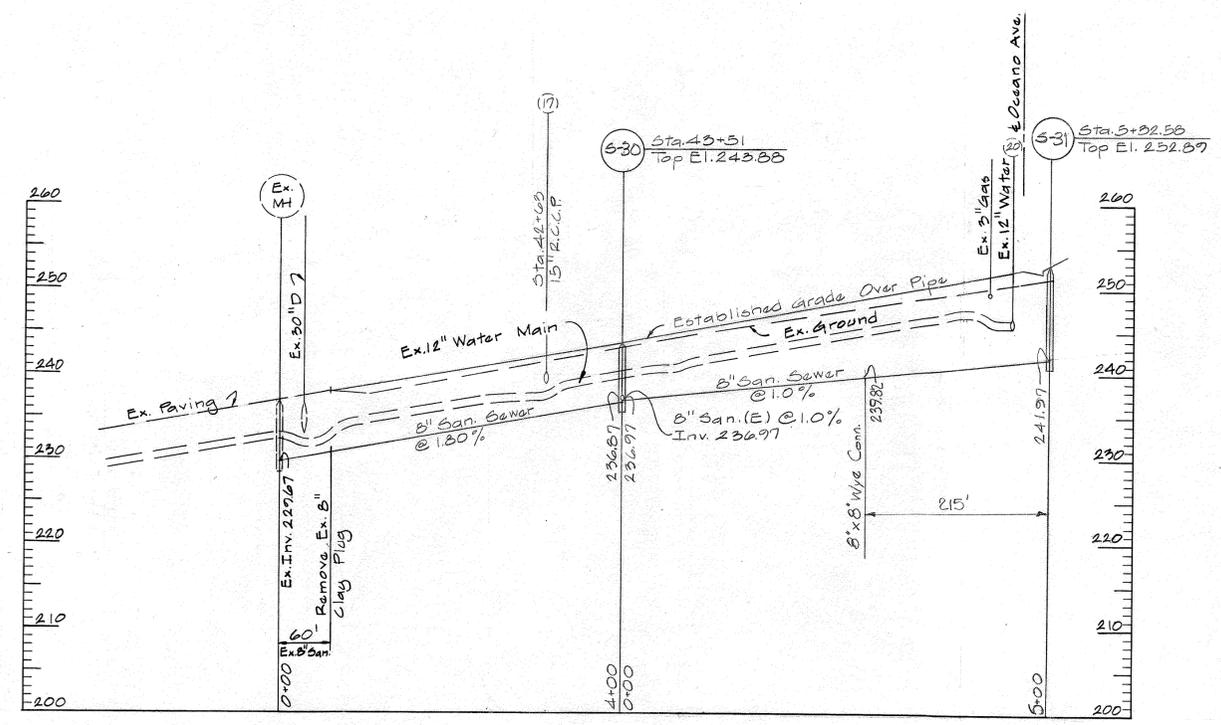
Revision	By	Date	APPROVED	Owg. No. 1 OF 6
			DEPARTMENT OF GENERAL SERVICES OFFICE OF DESIGN & CONSTRUCTION PRINCIPAL ENG. [Signature] PRINCIPAL PLN. [Signature] S.E. [Signature] I.E. [Signature] S. PLN. [Signature] DATE 11/6/76	PROJECT No. FMA-751-A DATE: Jan. 7, 1976



PLAN SCALE: 1" = 50'

REFERENCE DRAWINGS

Assateague Drive - Road & Drain Plan See Dwg # 75-5007
 Storm Drain Profiles - See Dwg # 75-5013
 EXIST. 12" WATER - SEE DWG. # 69-0016



SCALE: HOR 1" = 100'
 VERT 1" = 10'

WATER CROSSINGS

Crossing #18		Crossing #20	
Est. Grade	243.88	Est. Grade	252.21
Bot. Ex. 12" Water	237.21	Bot. Ex. 12" Water	245.81
Top 8" San.	237.77	Top 8" San.	242.29
Clear	1.24'	Clear	3.52'
Cover	3.58'	Cover	5.31'

Note: Water Crossings Denoted Thusly $\text{---} \text{---} \text{---}$ In Plan & Profile.



Charles E. Fitch
 Reg. No. 5048 Date

GEORGE W. STEPHENS JR. & ASSOC. INC.
 CONSULTING ENGINEERS
 303 ALLEGHENY AVE. TOWSON, MD. 21284

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 William Q. Altman
 DIRECTOR OF PUBLIC WORKS DATE

CONTRACT No.
 604-D-W&S (Howard County)

GREATER BALTIMORE CONSOLIDATED
 WHOLESALE FOOD MARKET
 HOWARD CO., MD.

DRAWING No.
 75-5001
 SHEET No. 2 OF 6

SCALE
 AS SHOWN

DESIGNED BY: R.A.P.
 DRAWN BY: G.R.G.
 CHECKED BY: R.A.P.

Revision	By	Date

DEPARTMENT OF GENERAL SERVICES
 OFFICE OF DESIGN & CONSTRUCTION
APPROVED

PRINCIPAL ENG. PRINCIPAL S. PLNG. PRINCIPAL SURV.
 S. F. M. E. S. P. L. S. P. L. S. P. L.
 DATE 11/6/77

Dwg. No. 2 OF 6
 PROJECT No. FMA-751-A
 DATE: Jan. 7, 1976

Note: Water Crossings Denoted Thusly: (A)

WATER CROSSINGS

Crossing # 13		Crossing # 14	
Est. Grade	234.87	Est. Grade	238.57
Bottom 12" Drain	228.15	Bottom 12" Water	233.48
Top 12" Water	227.65	Top 8" San.	227.72
Clear	0.50'	Clear	3.70'
Cover	7.24'	Cover	4.0'

Crossing # 15		Crossing # 16	
Est. Grade	244.03	Est. Grade	246.75
Bottom 21" Drain	237.04	Bottom 12" Water	241.66
Top 12" Water	238.54	Top 8" San.	237.82
Clear	0.50'	Clear	3.84'
Cover	5.51'	Cover	4.0'

MAIN TO HAVE 40 FEET COVER BASED ON ESTABLISHED GRADE.

NORMAL OPERATING PRESSURE _____
TEST PRESSURE See Specs.

CAST IRON FITTINGS

12" x 6" CLASS D	CLASS 250
CLASS B	CLASS 150

CAST IRON PIPE

12" CLASS 23	THICKNESS 0.52"
6" CLASS 22	THICKNESS 0.38"
CLASS _____	THICKNESS _____

THE CONTRACTOR IS TO EXCAVATE FOR LOCATION AND DEPTH OF EXISTING MAIN BEFORE LAYING ANY PIPE.

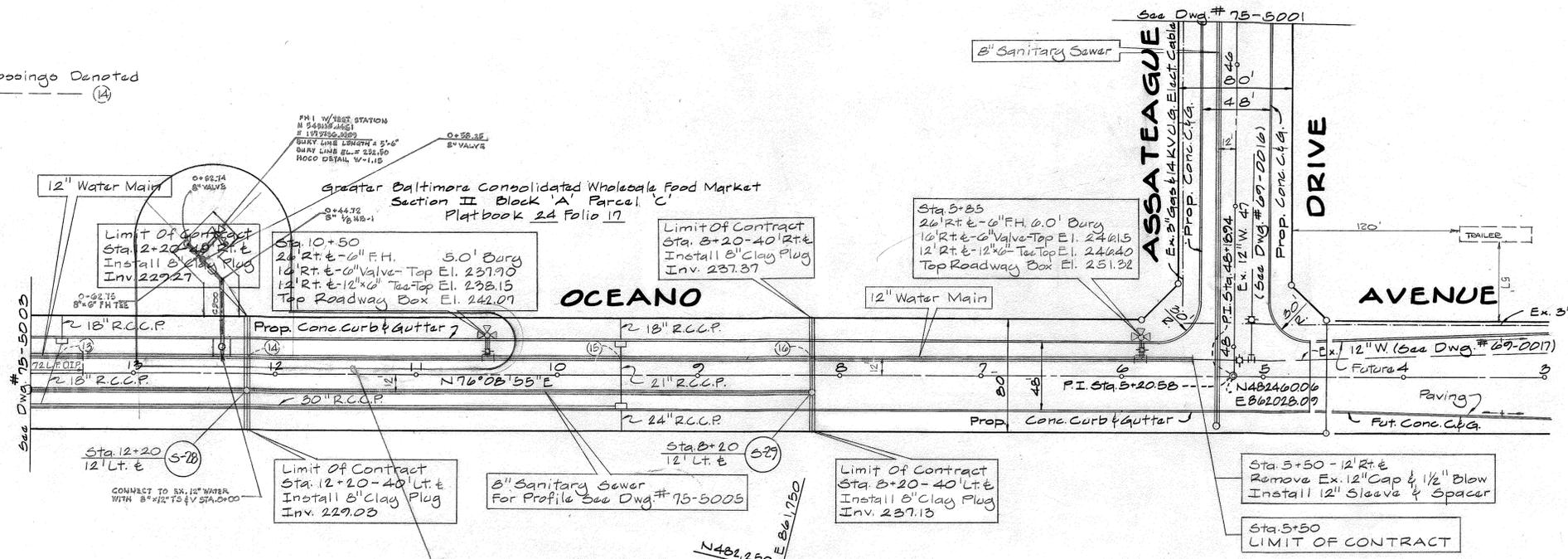
NOTE: FIRE HYDRANTS TO BE SET 2.0 FEET BEHIND FACE OF CURB.

DUCTILE IRON PIPE

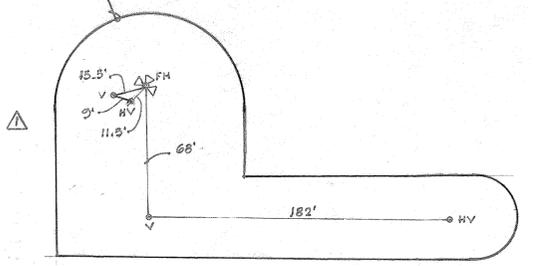
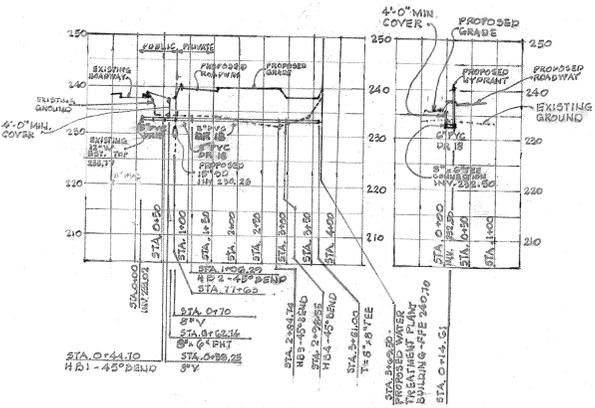
12" CLASS 2	THICKNESS 0.37
CLASS _____	THICKNESS _____

REFERENCE DRAWINGS

Oceano Avenue - Water & Sewer Profiles - See Dwg #75-5003
Oceano Avenue - Road & Drain Plan - See Dwg #75-5008
Storm Drain Profiles - See Dwg #75-5012



PLAN SCALE: 1" = 30'



IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO TEST PIT TO VERIFY EXISTING INVERT FOR EXISTING 12" WATER. PROVIDE AT LEAST 4'-0" OF COVER OVER THE MAINS.



Charles P. Fieb
Reg. No. 5048 Date 4/1/75

GEORGE W. STEPHENS JR. & ASSOC. INC.
CONSULTING ENGINEERS
303 ALLEGHENY AVE. TOWSON, MD. 21284

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
W. L. ...
DIRECTOR OF PUBLIC WORKS DATE CHIEF BUREAU OF ENGINEERING DATE

CONTRACT No. 664-D-W45 (Howard County)

GREATER BALTIMORE CONSOLIDATED
WHOLESALE FOOD MARKET
HOWARD CO., MD.

DRAWING No. 75-5002
SHEET No. 3 OF 6

SCALE AS SHOWN

DESIGNED BY: R.A.P.
DRAWN BY: G.R.G.
CHECKED BY: H.F.S.

Revision	By	Date
AS BUILT	WRA	3/28/22

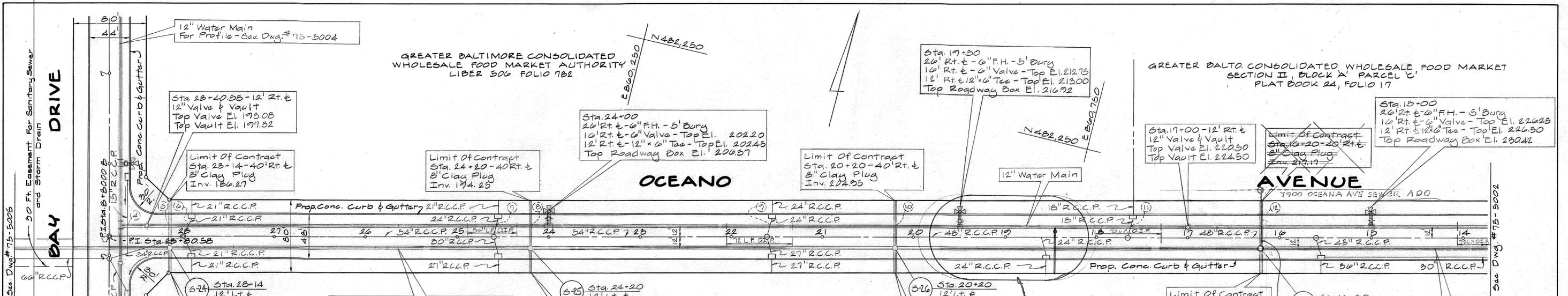
DEPARTMENT OF GENERAL SERVICES
OFFICE OF DESIGN & CONSTRUCTION
APPROVED

PRINCIPAL ENG. [Signature] PRINCIPAL S.P.L.R. [Signature] PRINCIPAL ARCH. [Signature]

S.E. [Signature] M.E. [Signature] E.E. [Signature] S.P.L.R. [Signature]

DATE 11/6/17 BY Keith D. Kelly

Dwg. No. 30-6
PROJECT No. FMA-751-A
DATE: Jan 7, 1976



PLAN SCALE: 1" = 50'

GREATER BALTIMORE CONSOLIDATED WHOLESALE FOOD MARKET AUTHORITY LIBER 506 FOLIO 782

NOTE: Water Crossings Denoted Thusly

WATER CROSSINGS

Crossing #	Est. Grade	Bott. 12" Water	Top 15" Drain	Clear	Cover
Crossing #4	197.12	191.99	191.45	0.54	4.04
Crossing #5	197.61	191.44	186.72	4.72	5.08
Crossing #6	197.96	192.35	191.85	0.50	6.11
Crossing #7	205.21	199.08	198.58	0.50	6.63
Crossing #8	206.02	200.90	194.70	6.23	4.0
Crossing #9	211.66	205.08	204.58	0.50	7.08
Crossing #10	213.00	209.91	204.80	5.11	4.0
Crossing #11	222.62	216.36	216.06	0.30	6.56
Crossing #12	226.90	221.81	217.62	4.19	4.00



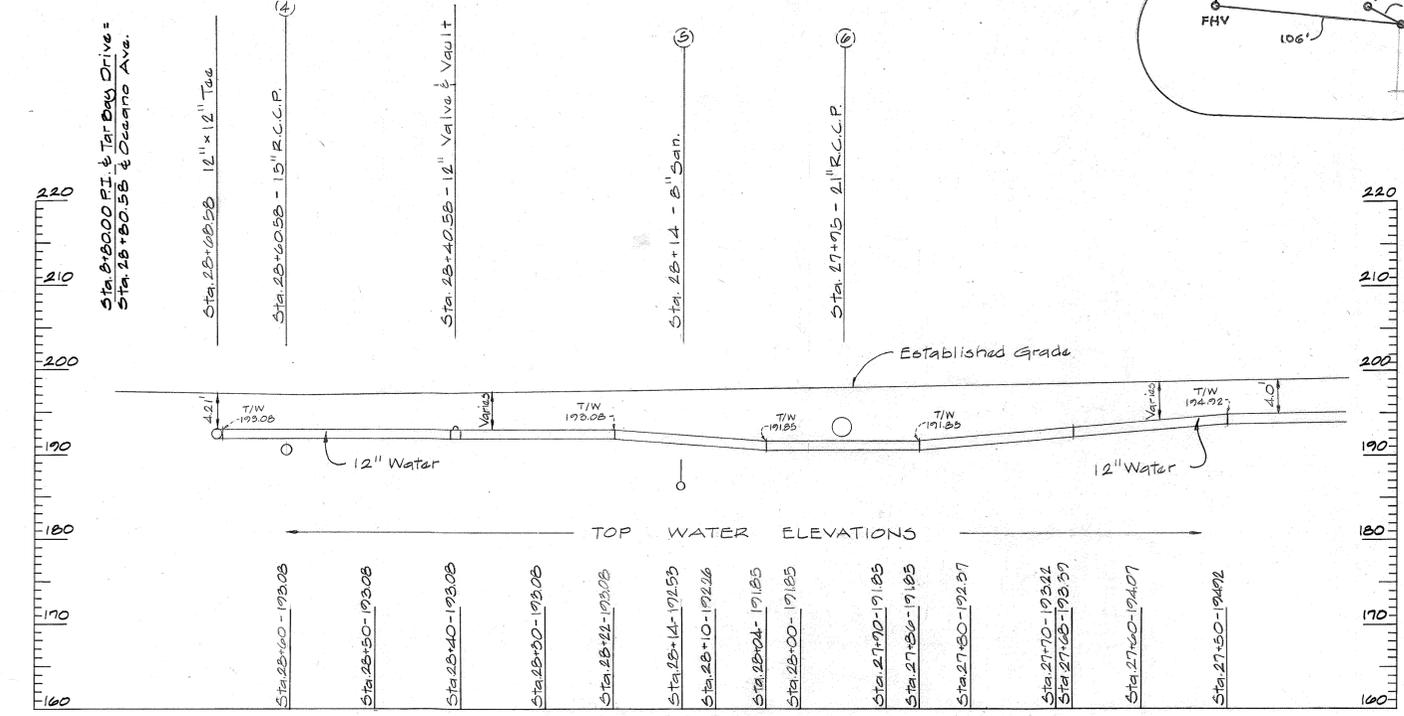
PRIVATE SEWER PROFILE - N.T.S.
MAIN TO HAVE 4.0 FEET COVER BASED ON ESTABLISHED GRADE.
NORMAL OPERATING PRESSURE
TEST PRESSURE See Specs.

CAST IRON FITTINGS
12" CLASS D CLASS 250
CLASS B CLASS 150

CAST IRON PIPE
12" CLASS 25 THICKNESS 0.36"
6" CLASS 22 THICKNESS 0.38"
CLASS THICKNESS

DUCTILE IRON PIPE
12" CLASS 2 THICKNESS 0.37
CLASS THICKNESS

Note: Fire Hydrant To Be Set 2.0' Behind Face of Curb.



WATER CROSSINGS

SCALE: HOR. 1" = 10' VERT. 1" = 10'

REFERENCE DRAWINGS

- Road Plan Ocean Ave. - See Dwg. # 75-5009
- Drain Profile - See Dwg. # 75-5012
- Water & Sewer Profile - See Dwg. # 75-5005
- Bill Of Materials - See Dwg. # 75-5005

Revision	By	Date
AS BUILT	WRA	3/25/82

DEPARTMENT OF GENERAL SERVICES
OFFICE OF DESIGN & CONSTRUCTION

APPROVED

PRINCIPAL ENGR. [Signature]
DATE 11/6/77

Dwg. No 4 Of 6
PROJECT No. FMA-751-A
DATE: Jan. 7, 1976
DESIGNED BY: R.A.P.
DRAWN BY: G.R.G.
CHECKED BY: H.P.S.

GEORGE W. STEPHENS JR. & ASSOC. INC.
CONSULTING ENGINEERS
303 ALLEGHENY AVE. TOWSON, MD. 21284

Charles P. Fiel
Reg. No. 5048

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

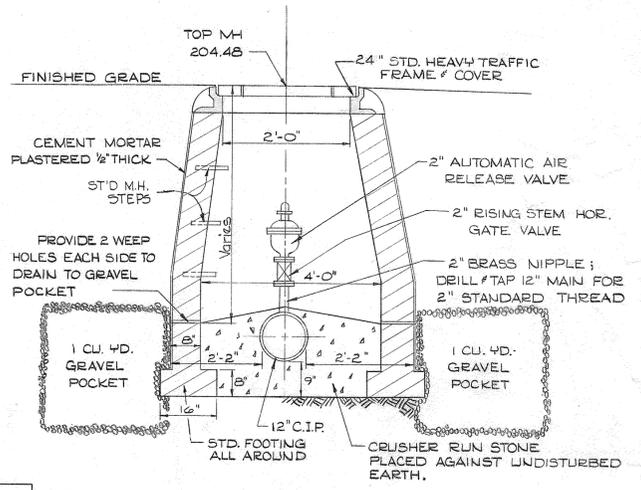
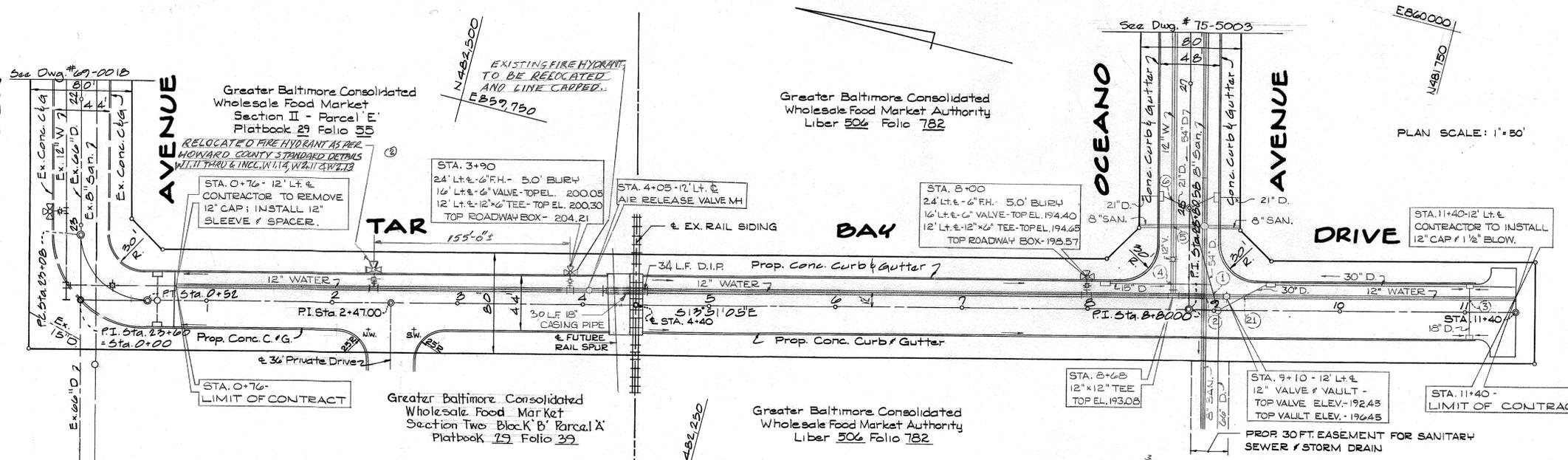
William L. Altman
DIRECTOR OF PUBLIC WORKS DATE CHIEF BUREAU OF ENGINEERING DATE

CONTRACT No.
664-D-W45 (Howard County)

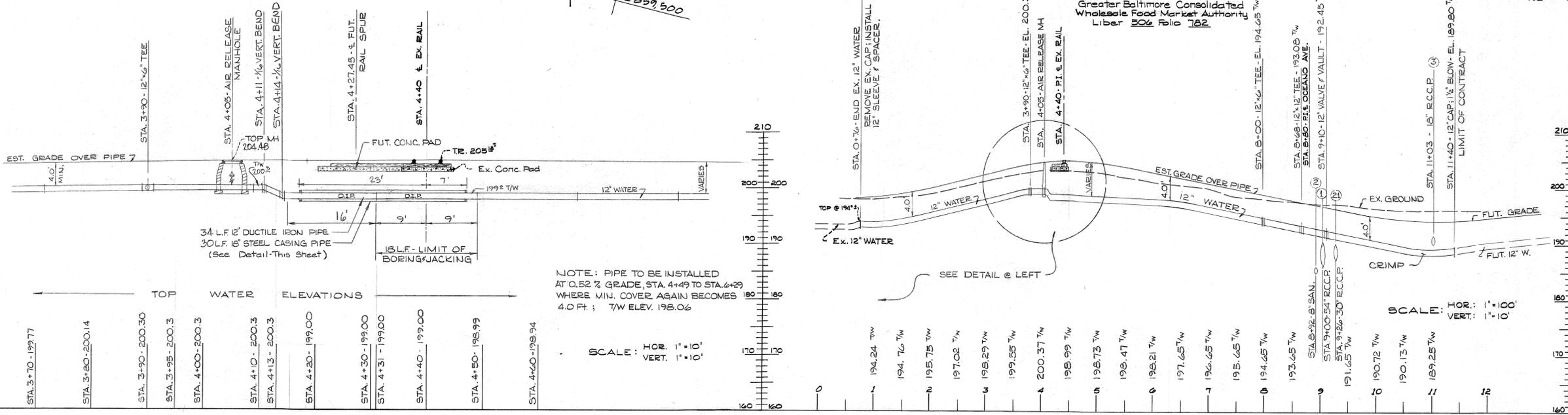
GREATER BALTIMORE CONSOLIDATED WHOLESALE FOOD MARKET
HOWARD CO., MD.
EL. DIST. NO. 6

DRAWING No. 75-5008
SHEET No. 4 Of 6
SCALE AS SHOWN

RAPPAHANNOCK AVENUE



AUTOMATIC AIR RELEASE VALVE MANHOLE
NO SCALE



No.	Description	Size
1034	CAST IRON PIPE	12"
130	DUCTILE IRON PIPE	12"
24	CAST IRON PIPE	6"
1	VALVE f VAULT	12"
2	TEE	12"x12"
2	VALVE f ROADWAY BOX	6"
2	F.H. (5.0' BURH)	6"
1	SLEEVE f SPACER	12"
1	CAP	12"
1	BLOW	1 1/2"
36	STEEL CASING PIPE	18"
1	AUTO AIR RELEASE VALVE MANHOLE INSTALLATION COMPLETE	24"
2	1/8" VERTICAL BEND	12"

WATER

CROSSINGS

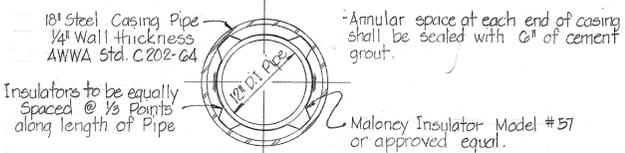
REFERENCE DRAWINGS

CAST IRON PIPE
12" CLASS 23 THICKNESS 0.52"
6" CLASS 22 THICKNESS 0.38"
CLASS THICKNESS

CAST IRON FITTINGS
12" f 6" CLASS D CLASS 250
CLASS B CLASS 150

DUCTILE IRON PIPE
12" CLASS 2 THICKNESS 0.37
CLASS THICKNESS

NORMAL OPERATING PRESSURE
TEST PRESSURE See Specs.



TYPICAL SECTION - STEEL LINER
NO SCALE

CROSSING #	EST. GRADE	BOTT. 12" W.	TOP 12" W.	TOP 30" R.C.C.P.	CLEAR.	COVER
1	196.65	191.56	190.49	190.49	1.07'	4.0'
2	196.81	191.72	185.15	185.15	6.57'	4.0'
3	193.92	189.75	189.25	189.25	0.50'	4.67'
4	197.12	191.99	191.45	191.45	0.54'	4.04'
21	196.13	191.04	189.97	189.97	1.07'	4.0'

NOTE: WATER CROSSINGS DENOTED THUSLY: (3) IN PLAN & PROFILE.

MAIN TO HAVE 4.0 FEET COVER
BASED ON ESTABLISHED GRADE, UNLESS OTHERWISE NOTED.

FIRE HYDRANTS TO BE SET 2.0 FEET BEHIND FACE OF CURB.

Revision	By	Date
Water Crossing under Railroad Revised	H.F.S.	5/28/76
RELOCATE FIRE HYD.	FKA	10/12/76

DEPARTMENT OF GENERAL SERVICES
OFFICE OF DESIGN & CONSTRUCTION
APPROVED
PRINCIPAL ENGR. PRINCIPAL ARCH. PRINCIPAL ARCH.
S.E. M.E. C.E. P.E. S.W. S.W.
DATE: 11/6/76
11/6/76 Keith Kelly

Dwg. No. 5 Of 6
PROJECT No. FMA-751-A
DATE: Jan. 7, 1976



George W. Stephens Jr.
CONSULTING ENGINEERS
303 ALLEGHENY AVE. TOWSON, MD. 21284

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY MARYLAND
William A. Altman 1/17/76
DIRECTOR OF PUBLIC WORKS - DATE
Chief - Bureau of Engineering - DATE

CONTRACT No. 604-D-W45 (Howard County)

GREATER BALTIMORE CONSOLIDATED
WHOLESALE FOOD MARKET
HOWARD CO., MD.

DRAWING No. 75-5004
SHEET No. 5 Of 6
EL. DIST. NO. 6

SCALE AS SHOWN
DESIGNED BY: E.A.P.
DRAWN BY: E.A.P.
CHECKED BY: H.F.S.

BILL OF MATERIALS

No.	Description	Size
1031L.F.	Cast Iron Pipe	12"
288L.F.	Ductile Iron Pipe	12"
70L.F.	Cast Iron Pipe	6"
2	Valve & Vault	12"
5	Tees	12"x6"
5	Valve & Roadway Box	6"
5	F.H.	6"
1	Sleeve & Spacer	12"

THE CONTRACTOR IS TO EXCAVATE FOR LOCATION AND DEPTH OF EXISTING MAIN BEFORE LAYING ANY PIPE.

F.H. To Be Set 2.0' Behind Face Of Curb.

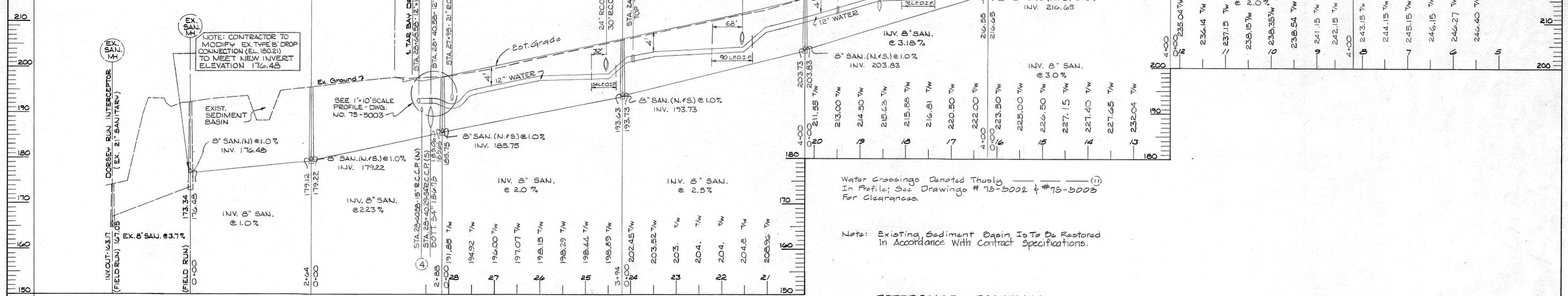
MAIN TO HAVE 4.0 FEET COVER BASED ON ESTABLISHED GRADE.

NORMAL OPERATING PRESSURE TEST PRESSURE See Specs.

CAST IRON FITTINGS
 12" CLASS D CLASS 250
 CLASS B CLASS 150

CAST IRON PIPE
 12" CLASS 23 THICKNESS 0.52"
 6" CLASS 22 THICKNESS 0.35"
 CLASS THICKNESS

DUCTILE IRON PIPE
 12" CLASS 2 THICKNESS 0.37
 CLASS THICKNESS



NOTE: CONTRACTOR TO MODIFY EX. TYPE B DROP CONNECTION (EL. 180.21) TO MEET NEW INVERT ELEVATION 176.48

Water Crossings Denoted Thusly In Profile; See Drawings # 75-5002 & # 75-5003 For Clearances.

Note: Existing Sediment Basin Is To Be Restored In Accordance With Contract Specifications.

REFERENCE DRAWINGS

- Oceano Avenue - Water & Sewer Plan - Dwg. # 75-5003
- Tar Bay Drive - 12" Water - Dwg. # 75-5004
- Tar Bay Drive - Road Plan - Dwg. # 75-5010
- Oceano Avenue - Road Plan - Dwg. # 75-5009
- Storm Drain Outfall - Dwg. # 75-5011

Revision	By	Date

DEPARTMENT OF GENERAL SERVICES
 OFFICE OF DESIGN & CONSTRUCTION
APPROVED
 PRINCIPAL ENGINEER: [Signature]
 DATE: 11/6/75

DWG. NO. 6 OF 6
 PROJECT NO. FMA-751-A
 DATE: Jan. 7, 1976

STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 Charles S. Fieb
 ENGINEER - REG. # 5046
 DATE: 1/1/75