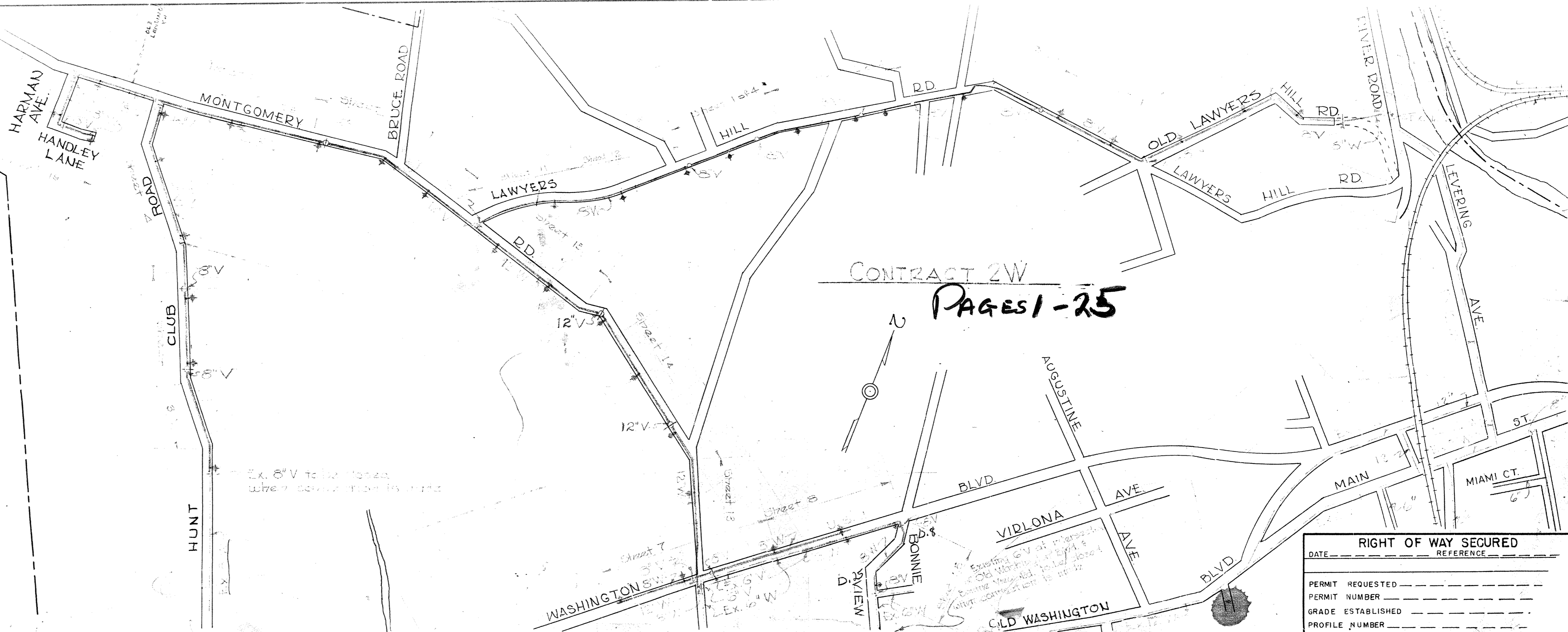


LIST OF DRAWINGS	
NO.	TITLE
1-2	LOCATION MAPS
3-4	HUNT CLUB ROAD
5-6	HANOVER ROAD
7-8	WASHINGTON - BALTIMORE BLVD.
9-12	LAWYERS HILL ROAD
13-18	MONTGOMERY ROAD
19	HARMAN AVE. & HANDLEY LANE
20	FLOREY ROAD
21	BEECHFIELD AVENUE
22	LOUDON AVENUE
23	MOUND STREET
24	ANDERSON AVENUE
25	BONNIE VIEW ROAD



CONTRACT 2W
PAGES 1-25

RIGHT OF WAY SECURED	
DATE	REFERENCE
PERMIT REQUESTED	
PERMIT NUMBER	
GRADE ESTABLISHED	
PROFILE NUMBER	

DRAWN BY
 TRACED

HOWARD COUNTY
 METROPOLITAN COMMISSION

APPROVED BY HOWARD COUNTY METROPOLITAN COMMISSION
 June 2, 1955
 DATE

APPROVED FOR CITY OF BALTIMORE
 2-28-56

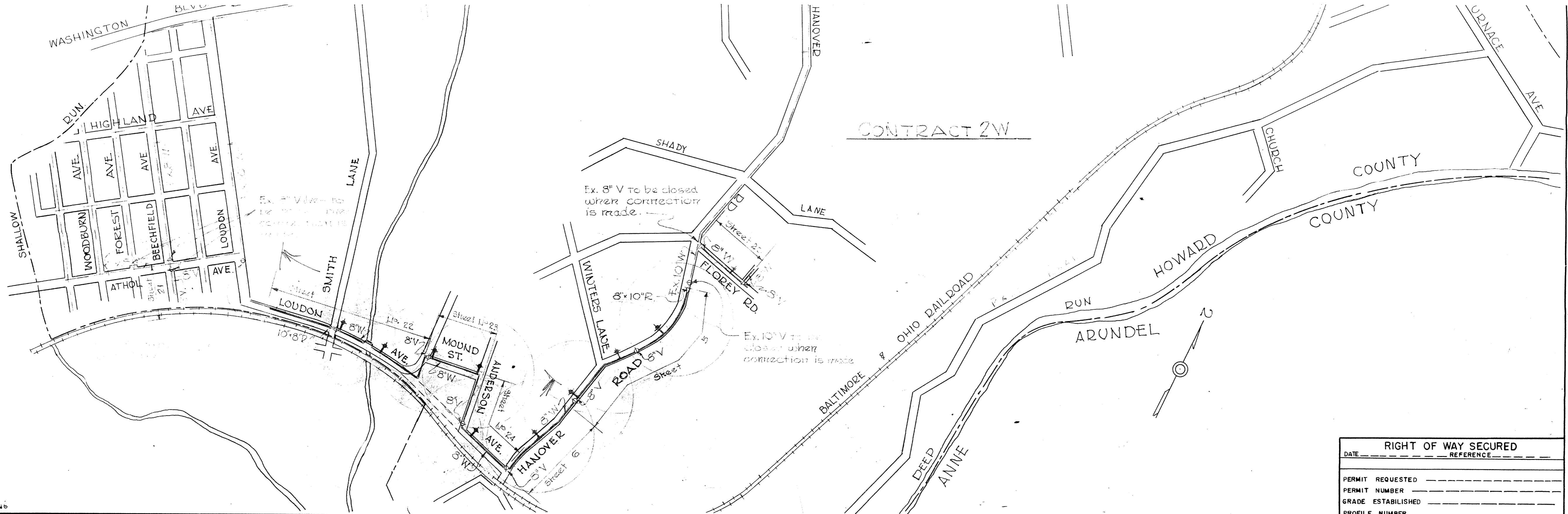
LOCATION MAP
 EXTENSION OF WATER SYSTEM IN ELKRIDGE SUB-DISTRICT

PREPARED BY
 MAN REQUARDT & ASSOCIATES

DRAWING

SCALE

J.O.
 DATE



DRAWN
 TRACED
 CHECKED
 EXAMINED

HOWARD COUNTY
METROPOLITAN COMMISSION
 ELKRIDGE SUB-DISTRICT
 MARYLAND

APPROVED BY HOWARD COUNTY METROPOLITAN COMMISSION
 June 2, 1955
 DATE

APPROVED FOR CITY OF BALTIMORE
 2-28-56
 DATE

LOCATION MAP
 EXTENSION OF WATER SYSTEM IN ELKRIDGE SUB-DISTRICT
 OF HOWARD COUNTY METROPOLITAN DISTRICT

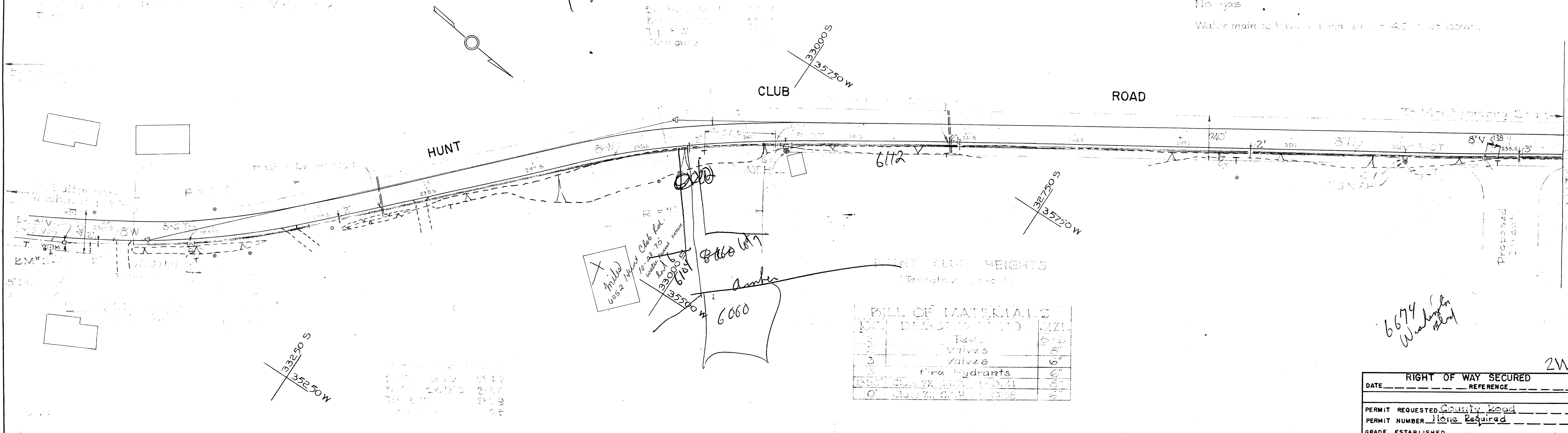
PREPARED BY
 WHITMAN REQUARDT & ASSOCIATES
 CONSULTING ENGINEERS

DRAWING NO. <u>2</u>	SCALE 1" = 500'	J.O.
		DATE
PROFILE NUMBER		FILE

RIGHT OF WAY SECURED	
DATE	REFERENCE
PERMIT REQUESTED	
PERMIT NUMBER	
GRADE ESTABLISHED	
PROFILE NUMBER	

1-2008

Date: _____
 Elevation: _____
 W.L. 34 BM #2 Elevation: 22.25
 X-cut in rim of water meter: 90' SE - Pl. 34+11.94
 No gas
 Water main to have a depth of 40' at cover.



BILL OF MATERIALS

NO.	DESCRIPTION	SIZE
1	Tees	8"
2	Valves	6"
3	Valves	6"
3	Fire Hydrants	6"
10	Class 72 C.P.P.	8"
10	Class 72 C.P.P.	6"

6674
 Washington
 Street

RIGHT OF WAY SECURED

DATE _____ REFERENCE _____

PERMIT REQUESTED County Road

PERMIT NUMBER None Required

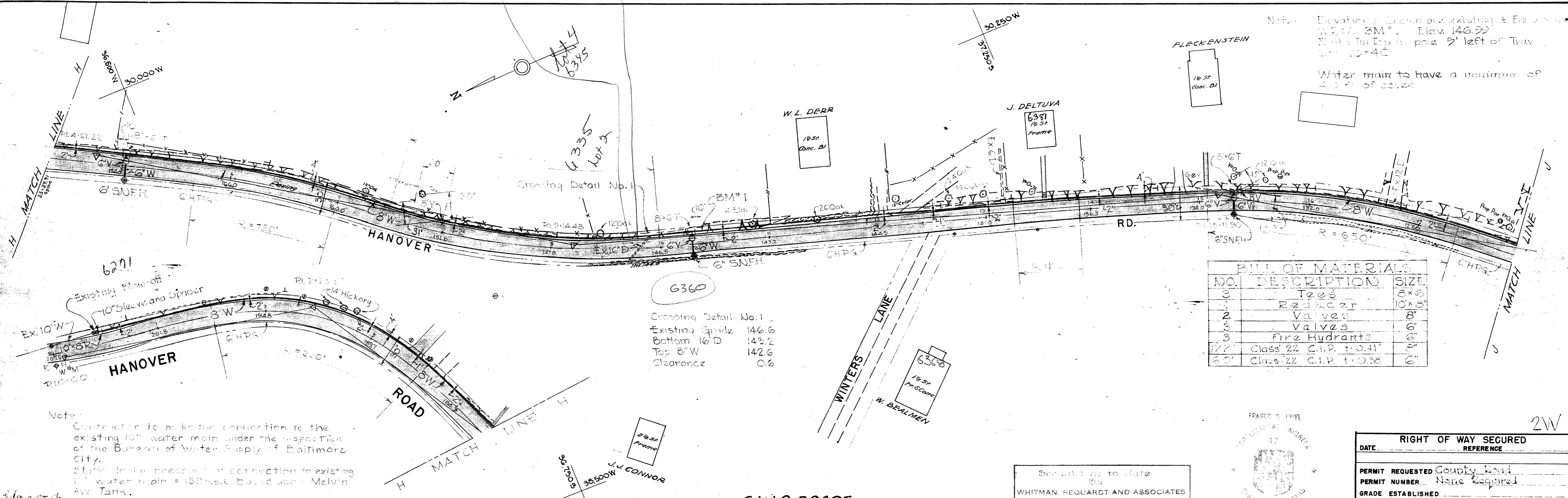
GRADE ESTABLISHED _____

PROFILE NUMBER _____

DRAWN TRACED CHECKED EXAMINED	HOWARD COUNTY METROPOLITAN COMMISSION ELKRIDGE SUB-DISTRICT MARYLAND	APPROVED BY HOWARD COUNTY METROPOLITAN COMMISSION <u>June 2, 1955</u> DATE <i>[Signature]</i>	APPROVED FOR CITY OF BALTIMORE <u>2-28-56</u> DATE <i>[Signature]</i>	C.W.O. 29094 PROPOSED 8" WATER MAIN IN HUNT CLUB ROAD FROM MONTGOMERY ROAD, 2840' SOUTHERLY	PREPARED BY WHITMAN REQUARDT & ASSOCIATES CONSULTING ENGINEERS BALTIMORE, MD	DRAWING NO. <u>3</u> DATE <u>25</u>	SCALE <u>1"=50'</u>	J.O. DATE FILE
--	---	--	--	---	---	--	------------------------	----------------------

Note: Elevations shown are existing & Elevation
 W.P.M. 3M". Elev. 146.59"
 12" in Top in pole 5' left of Trav
 Sta. 10+40

Water main to have a maximum of
 4.0 ft. of cover

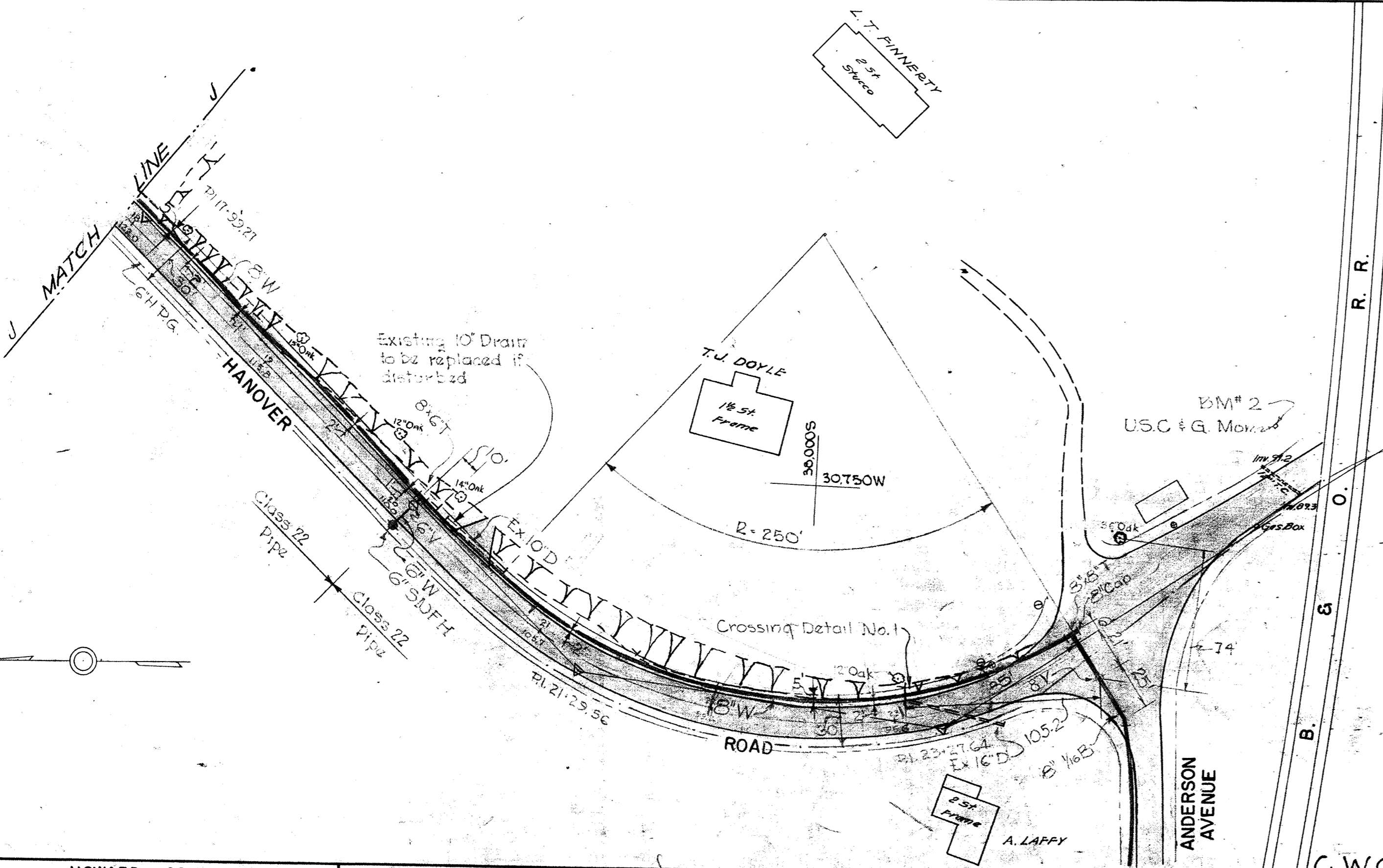


NO.	DESCRIPTION	SIZE
3	Tees	8x6
1	Reducer	10x8
2	Valves	8"
3	Valves	6"
3	Fire Hydrants	6"
177	Class 22 C.I.P. +0.41"	8"
60	Class 22 C.I.P. +0.38	6"

6360
 Crossing Detail No. 1
 Existing Grade 146.6
 Bottom 16" D 143.2
 Top 8" W 142.6
 Clearance 0.8

Note:
 Contractor to make the connection to the
 existing 10" water main under the inspection
 of the Bureau of Water Supply of Baltimore
 City.
 Static design pressure of connection to existing
 10" water main = 150 p.s.i. Based upon Melvin
 Ave Tank.

DRAWN: D.G. TRACED: J.C.B. CHECKED: J.D.S. EXAMINED:	HOWARD COUNTY METROPOLITAN COMMISSION ELKRIDGE SUB-DISTRICT MARYLAND	APPROVED BY HOWARD COUNTY METROPOLITAN COMMISSION June 2, 1955 DATE	APPROVED FOR CITY OF BALTIMORE 2-28-56 DATE	C.W.O. 29095 PROPOSED 8" WATER MAIN IN HANOVER RD. FROM 600' SOUTH OF FLOREY RD. TO ANDERSON AVENUE. ELKRIDGE MARYLAND	PREPARED BY ALBRIGHT & FRIEL, INC. CONSULTING ENGINEERS PHILADELPHIA, PA.	DRAWING NO. 5 OF 25	SCALE 1" = 50'	J.O. 47079 DATE: 1-28-49 FILE:
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Note: Elevations given are existing & Elevations
 W.P.A. BM#2 Elev. 26.10
 U.S.C. & G. monument
 1050 sq. ft. 13-1355 Elev. 25.741
 Water main to have a minimum of 4.0ft. of cover.

Static Water Pressure at intersection of Hanover
 Road and Anderson Road = 200 psi. base on
 1050 sq. ft. 13-1355

BILL OF MATERIALS		
NO.	DESCRIPTION	SIZE
	Tee	8" x 8"
	Tee	8" x 8"
	Valve	6"
	Fire Hydrant	6"
1	Cap	8"
380	Class 22 C.I.P. 1' x 0.41'	8"
20	Class 22 C.I.P. 1' x 0.38'	6"
210	Class 22 C.I.P. 1' x 0.41'	8"

Crossing Detail No. 1

Existing Grade	95.6
Bottom 16" D	93.9
Top 8" W	91.6
Clearance	2.3



RIGHT OF WAY SECURED	
DATE	REFERENCE
PERMIT REQUESTED	County Road
PERMIT NUMBER	None Required
GRADE ESTABLISHED	
PROFILE NUMBER	

DRAWN: D.G.
 TRACED: J.C.B.
 CHECKED: J.D.S.
 EXAMINED:

HOWARD COUNTY
 METROPOLITAN COMMISSION
 ELKRIDGE SUB-DISTRICT
 MARYLAND

APPROVED BY HOWARD COUNTY METROPOLITAN COMMISSION
 June 2, 1955
 DATE

APPROVED FOR CITY OF BALTIMORE
 2-28-56
 DATE
 WATER ENGINEER
 DIR. PUBLIC WORKS

PROPOSED 8" WATER MAIN IN HANOVER RD. FROM
 600' SOUTH OF FLOREY RD. TO ANDERSON AVENUE.
 ELKRIDGE MARYLAND

PREPARED BY
 ALBRIGHT & FRIEL, INC.
 CONSULTING ENGINEERS
 PHILADELPHIA, PA.

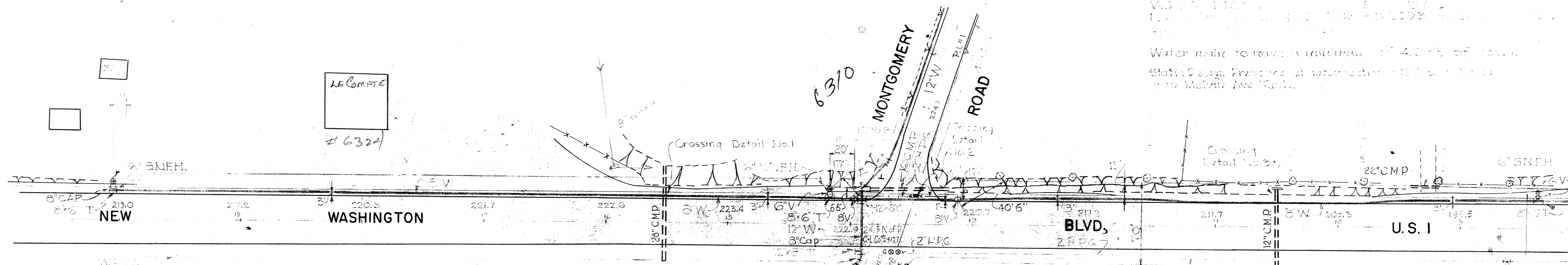
DRAWING
 NO. 6
 OF 25

SCALE
 1" = 50'

J.O. 47079
 DATE: 1-28-49
 FILE:

Brought up to date
 by
 WHITMAN, REQUARDT AND ASSOCIATES
 ENGINEERS 144 1355 BALTIMORE, MD.

2W



Water main to have a minimum of 4.0 ft. of cover.
 Station Design Proposed at intersection of 640' West of
 Montgomery Ave. Road.

NO.	DESCRIPTION	SIZE
1	Valve	8" x 8"
2	Valve	8"
3	Valve	8"
4	Manhole	6"
5	Manhole	4"
6	Manhole	4"
7	Manhole	4"
8	Manhole	4"
9	Manhole	4"
10	Manhole	4"
11	Manhole	4"
12	Manhole	4"
13	Manhole	4"
14	Manhole	4"
15	Manhole	4"

Crossing Detail No. 1
 Existing Grade 208.5
 Bottom of W 220.1
 Top of 8" 209.8
 Clearance 20.2

Crossing Detail No. 2
 Existing Grade 221.8
 Bottom of W 219.4
 Top of 8" 216
 Clearance 16

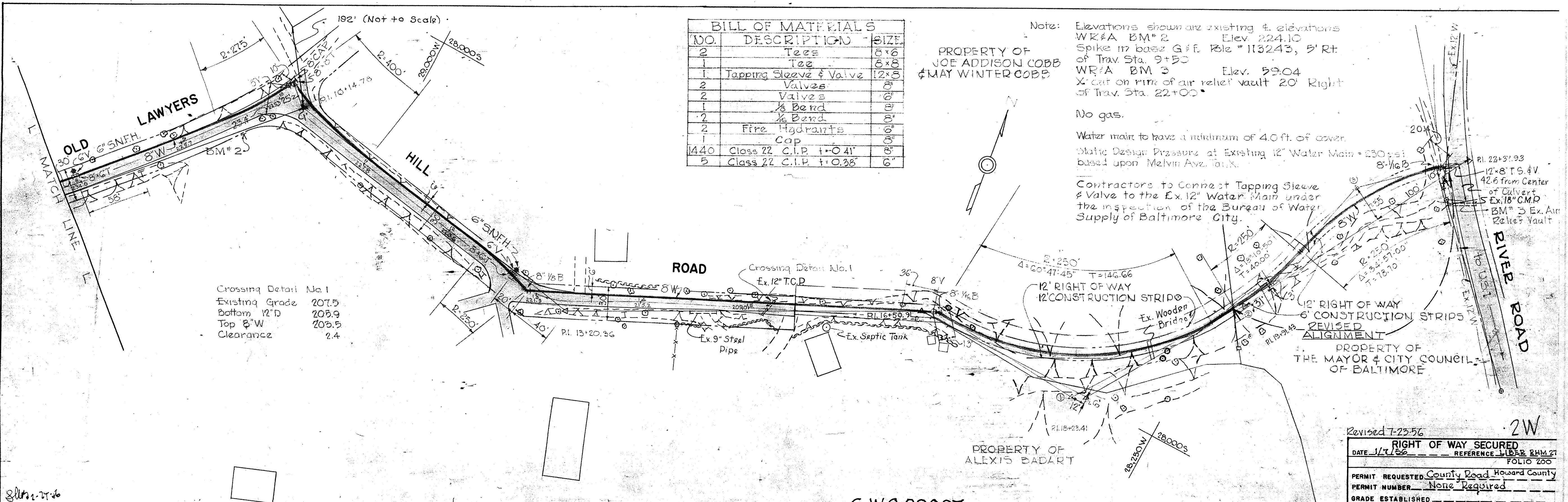
Crossing Detail No. 3
 Existing Grade 208.5
 Bottom of W 220.1
 Top of 8" 209.8
 Clearance 20.2

RIGHT OF WAY SECURED	
DATE	REFERENCE
PERMIT REQUESTED	State Road
PERMIT NUMBER	2-28-56
GRADE ESTABLISHED	
PROFILE NUMBER	

DRAWN TRACED CHECKED EXAMINED	HOWARD COUNTY METROPOLITAN COMMISSION ELKRIDGE SUB-DISTRICT MARYLAND	APPROVED BY HOWARD COUNTY METROPOLITAN COMMISSION June 2, 1955 DATE	APPROVED FOR CITY OF BALTIMORE 2-28-56 DATE WATER ENGINEER	PROPOSED 8" WATER MAIN IN WASHINGTON BLVD. 640' WEST OF MONTGOMERY RD. TO BONNIE VIEW RD. ELKRIDGE MARYLAND	PREPARED BY WHITMAN REQUARDT & ASSOCIATES CONSULTING ENGINEERS BALTIMORE, MD.	DRAWING NO. 7 OF 25	SCALE 1" = 50'	J.O. DATE FILE
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C.W.O. 29096.

2W



BILL OF MATERIALS		
NO.	DESCRIPTION	SIZE
2	Tees	8x6
1	Tee	8x8
1	Tapping Sleeve & Valve	12x8
2	Valves	8"
2	Valves	6"
1	1/8 Bend	8"
2	1/8 Bend	8"
2	Fire Hydrants	6"
1	Cap	8"
1440	Class 22 C.I.P. t=0.41"	8"
5	Class 22 C.I.P. t=0.38"	6"

PROPERTY OF
JOE ADDISON COBB
& MAY WINTER COBB

Note: Elevations shown are existing & elevations
 W&A BM#2 Elev. 224.10
 Spike in base G&E. Blk #113243, 5' Rt
 of Trav. Sta. 9+50
 W&A BM#3 Elev. 59.04
 X-cut on rim of air relief vault 20' Right
 of Trav. Sta. 22+00

No gas.

Water main to have a minimum of 4.0 ft. of cover.
 Static Design Pressure at Existing 12" Water Main = 230 psi
 based upon Melvin Ave. Tank.

Contractors to connect Tapping Sleeve
 & Valve to the Ex. 12" Water Main under
 the inspection of the Bureau of Water
 Supply of Baltimore City.

Crossing Detail No. 1
 Existing Grade 207.5
 Bottom 12"D 205.9
 Top 8"W 205.5
 Clearance 2.4

PROPERTY OF
THE MAYOR & CITY COUNCIL
OF BALTIMORE

PROPERTY OF
ALEXIS BADART

Revised 7-23-56

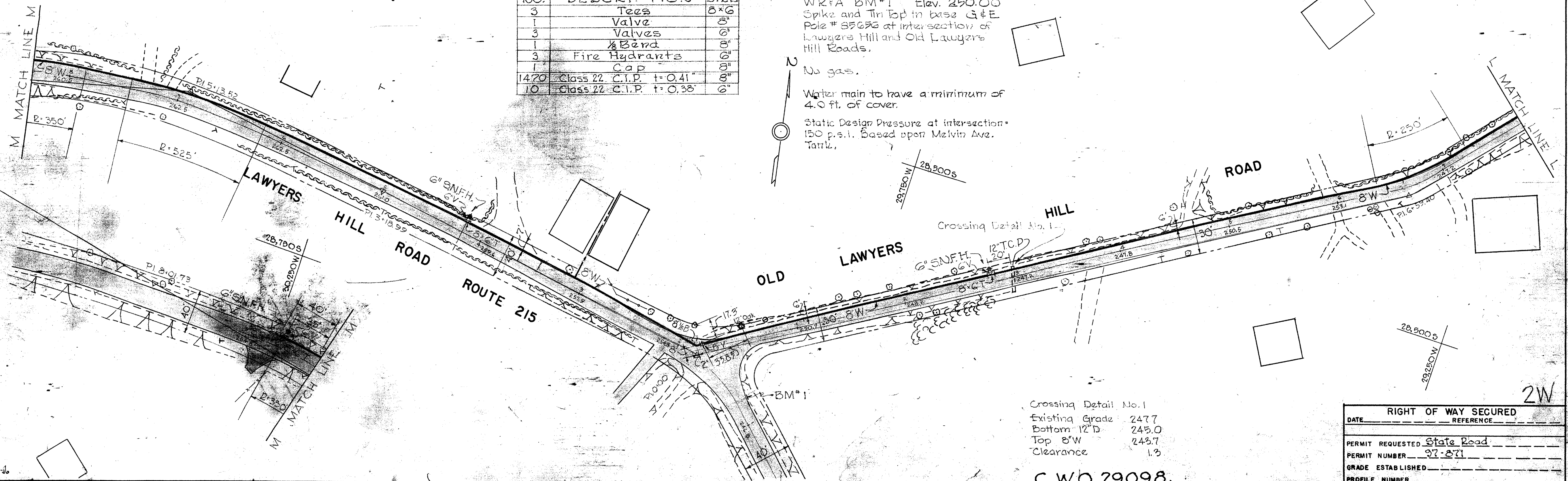
RIGHT OF WAY SECURED	
DATE 1/7/56	REFERENCE LIBER RHM 27
FOLIO 200	
PERMIT REQUESTED	County Road - Howard County
PERMIT NUMBER	None Required
GRADE ESTABLISHED	
PROFILE NUMBER	

DRAWN TRACED CHECKED EXAMINED	HOWARD COUNTY METROPOLITAN COMMISSION ELKRIDGE SUB-DISTRICT MARYLAND	APPROVED BY HOWARD COUNTY METROPOLITAN COMMISSION June 2, 1955 DATE <i>John C. Meyer</i> <i>Robert C. Moses</i> <i>Robert W. Snyder</i>	APPROVED FOR CITY OF BALTIMORE 2-28-56 DATE <i>Richard P. ...</i> WATER ENGINEER <i>George A. ...</i> DIR. PUBLIC WORKS	C.W.O. 29097. PROPOSED 8" WATER MAIN IN OLD LAWYERS HILL ROAD FROM RIVER ROAD TO LAWYERS HILL ROAD ELKRIDGE MARYLAND	PREPARED BY WHITMAN REQUARDT & ASSOCIATES CONSULTING ENGINEERS BALTIMORE, MD.	DRAWING NO. 9 OF 25	SCALE 1" = 50'	J.O. DATE FILE
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BILL OF MATERIALS		
NO.	DESCRIPTION	SIZE
3	Tees	8" x 6"
1	Valve	8"
3	Valves	6"
1	1/2 Bend	8"
3	Fire Hydrants	6"
1	Cap	8"
1470	Class 22 C.I.P.	t=0.41"
10	Class 22 C.I.P.	t=0.38"

Note: Elevations shown are existing & elevations
 WRIA BM#1 Elev. 250.00
 Spike and Tin Top in base G&E
 Pole # 85656 at intersection of
 Lawyers Hill and Old Lawyers
 Hill Roads.

No gas.
 Water main to have a minimum of
 4.0 ft. of cover.
 Static Design Pressure at intersection=
 150 p.s.i. Based upon Melvin Ave.
 Tank.



Crossing Detail No. 1

Existing Grade	247.7
Bottom 12" D	245.0
Top 8" W	243.7
Clearance	1.3

RIGHT OF WAY SECURED	
DATE	REFERENCE
PERMIT REQUESTED	State Road
PERMIT NUMBER	97-871
GRADE ESTABLISHED	
PROFILE NUMBER	

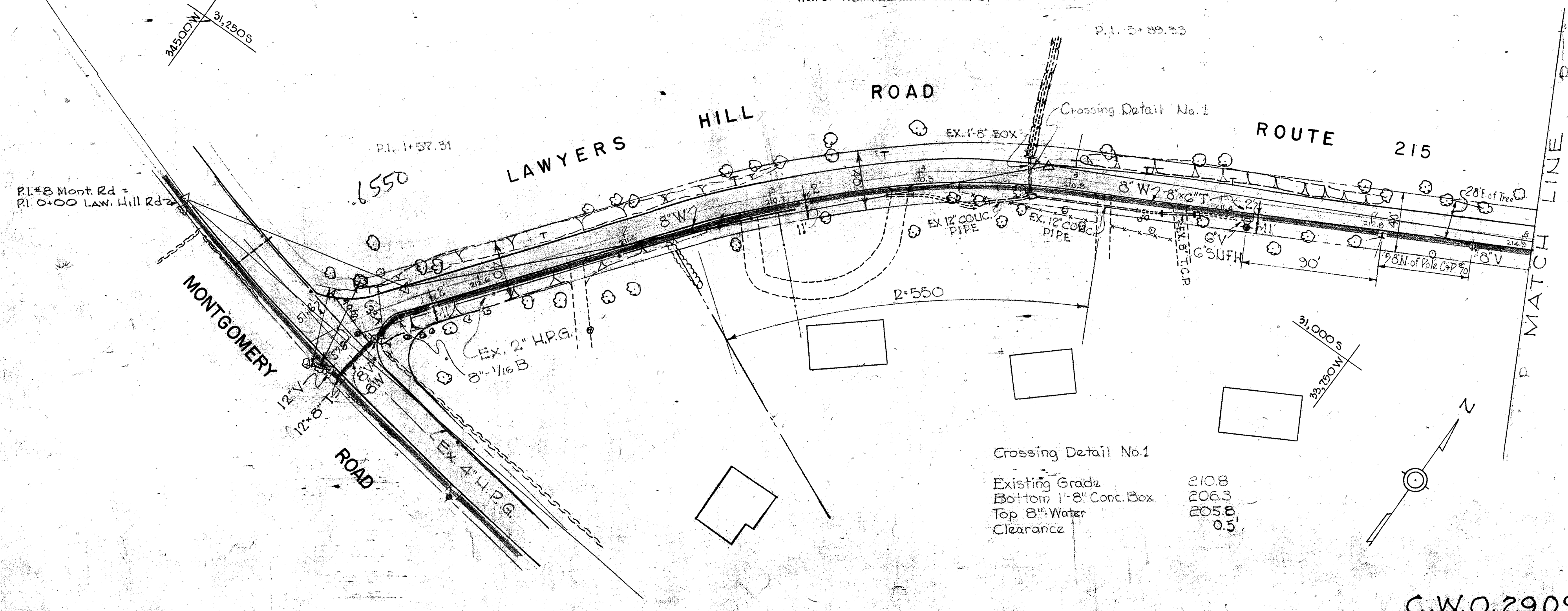
C.W.O. 29098.

DRAWN TRACED CHECKED EXAMINED	HOWARD COUNTY METROPOLITAN COMMISSION ELKRIDGE SUB-DISTRICT MARYLAND	APPROVED BY HOWARD COUNTY METROPOLITAN COMMISSION June 2, 1955 DATE	APPROVED FOR CITY OF BALTIMORE 2-28-56 DATE	PROPOSED 8" WATER MAIN IN LAWYERS HILL ROAD FROM OLD LAWYERS HILL ROAD, 700' WESTERLY ELKRIDGE MARYLAND	PREPARED BY WHITMAN REQUARDT & ASSOCIATES CONSULTING ENGINEERS BALTIMORE, MD	DRAWING NO. 10 OF 25	SCALE 1"=50'	J.O. DATE FILE
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Note: Elevations shown are existing & elevations.
 W.R.F.A. B.M. "A" Elev. 212.41
 Nail in C&P Pole #65 on E. side of Lawyers Hill Road
 opp. Sta. 13+20.
 Water Main to have min. of 4.0' ft. of cover

Static design Pressure at
 intersection of Lawyers Hill Road
 and Montgomery Road = 154 p.s.i.,
 based upon Melvin Ave. Tank

BILL OF MATERIALS		
NO.	DESCRIPTION	SIZE
1	1/16 Bend	8" x 6"
2	Valves	8" x 6"
1	Valve	8" x 6"
1	Tea	8" x 6"
1	Fire Hydrant	8" x 6"
5	Class 22 C.I.P.	+0.38'
820	Class 22 C.I.P.	+0.41'



Crossing Detail No.1
 Existing Grade 210.8
 Bottom 12" Conc. Box 206.3
 Top 8" Water 205.8
 Clearance 0.5'

2W

RIGHT OF WAY SECURED	
DATE	REFERENCE
PERMIT REQUESTED	State Road
PERMIT NUMBER	97-871
GRADE ESTABLISHED	
PROFILE NUMBER	

C.W.O. 29099

DRAWN TRACED CHECKED EXAMINED	HOWARD COUNTY METROPOLITAN COMMISSION ELKRIDGE SUB-DISTRICT MARYLAND	APPROVED BY HOWARD COUNTY METROPOLITAN COMMISSION Aug. 29, 1955 DATE	APPROVED FOR CITY OF BALTIMORE 2-28-56 DATE	PROPOSED 8" WATER MAIN IN LAWYERS HILL ROAD FROM MONTGOMERY ROAD 1500' EASTERLY ELKRIDGE MARYLAND	PREPARED BY WHITMAN REQUARDT & ASSOCIATES CONSULTING ENGINEERS BALTIMORE, MD.	DRAWING No. 11 OF 25	SCALE 1" = 50'	J.O. DATE FILE
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4286

Note: Elevations shown are existing & elevations.

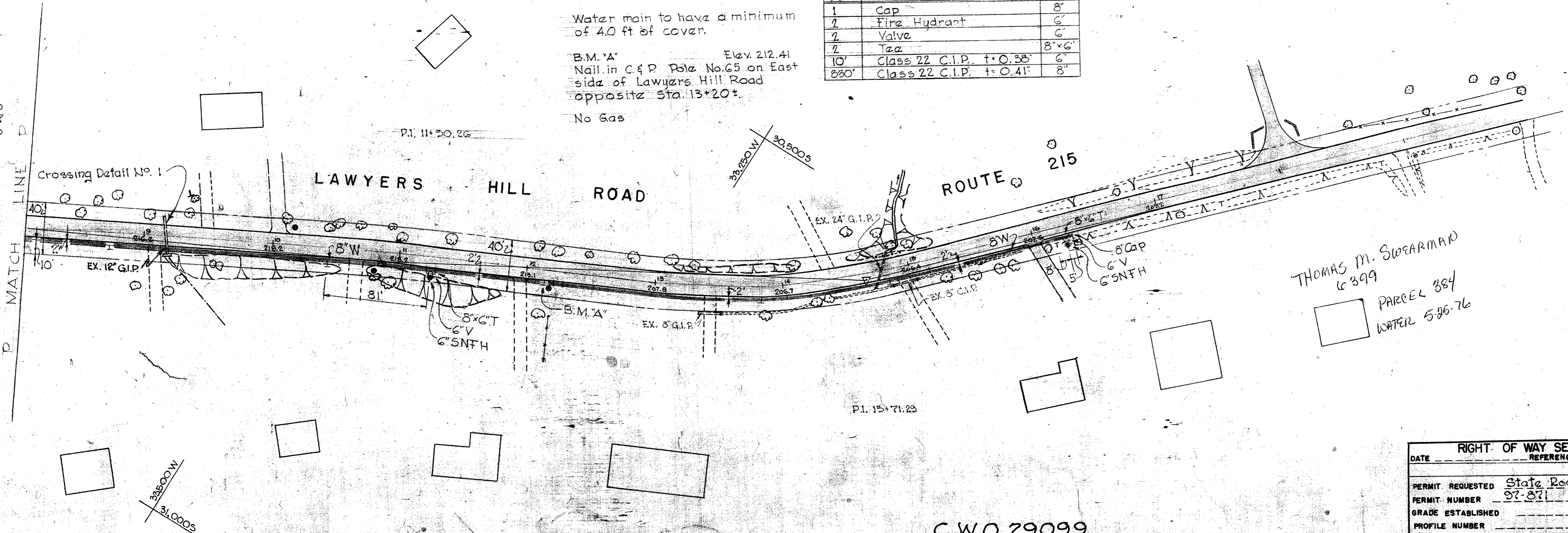
Water main to have a minimum of 4.0 ft. of cover.

B.M. "A" Elev. 212.41
Nail in C. & P. Pole No. 65 on East side of Lawyers Hill Road opposite Sta. 13+20±.

No Gas

BILL OF MATERIALS		
NO.	DESCRIPTION	SIZE
1	Cap	8"
2	Fire Hydrant	6"
2	Valve	6"
2	Tea	8" x 6"
10'	Class 22 C.I.P.	+ 0.38'
830'	Class 22 C.I.P.	+ 0.41'

Crossing Detail No. 1
Existing Grade 216.5
Bottom 12" G.I.P. 213.7
Top 8" W 212.5
Clearance 1.2'

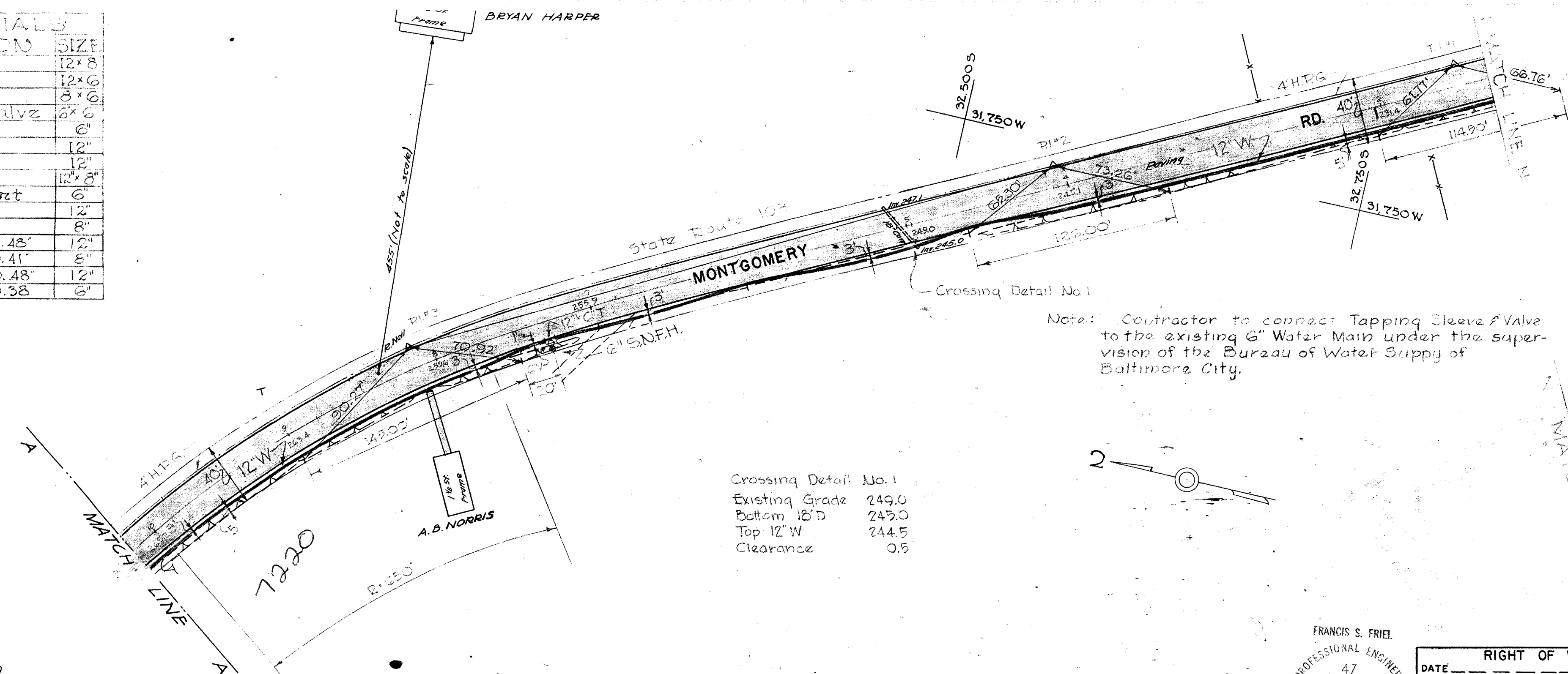


THOMAS M. SWARMAN
6399
PARCEL 384
WATER 5.25-76

RIGHT OF WAY SECURED	
DATE	REFERENCE
	State Road
	97-871

DRAWN TRACED CHECKED EXAMINED	HOWARD COUNTY METROPOLITAN COMMISSION ELKRIDGE SUB-DISTRICT MARYLAND	APPROVED BY HOWARD COUNTY METROPOLITAN COMMISSION Aug. 29, 1955 DATE	APPROVED FOR CITY OF BALTIMORE 2-28-56 DATE	PROPOSED 8" WATER MAIN IN LAWYERS HILL ROAD FROM MONTGOMERY ROAD 1500' EASTERLY ELKRIDGE MARYLAND	PREPARED BY WHITMAN REQUARDT & ASSOCIATES CONSULTING ENGINEERS BALTIMORE, MD.	DRAWING NO. 12 OF 25	SCALE 1" = 50'	J.O. DATE FILE	
	C.W.O. 29099		C.W.O. 29099		C.W.O. 29099		C.W.O. 29099		
	HOWARD COUNTY METROPOLITAN COMMISSION ELKRIDGE SUB-DISTRICT MARYLAND		APPROVED FOR CITY OF BALTIMORE 2-28-56 DATE		PREPARED BY WHITMAN REQUARDT & ASSOCIATES CONSULTING ENGINEERS BALTIMORE, MD.		DRAWING NO. 12 OF 25		J.O. DATE FILE
	HOWARD COUNTY METROPOLITAN COMMISSION ELKRIDGE SUB-DISTRICT MARYLAND		APPROVED FOR CITY OF BALTIMORE 2-28-56 DATE		PROPOSED 8" WATER MAIN IN LAWYERS HILL ROAD FROM MONTGOMERY ROAD 1500' EASTERLY ELKRIDGE MARYLAND		DRAWING NO. 12 OF 25		J.O. DATE FILE

BILL OF MATERIALS		
NO.	DESCRIPTION	SIZE
2	Tees	12" x 8"
1	Tee	12" x 6"
1	Koduner	8" x 6"
1	Tapping Sleeve & Valve	6" x 6"
1	Valve	6"
1	1/8 Bend	12"
2	1/8 Bends	12"
1	Cross	12" x 8"
1	Fire Hydrant	6"
1	Cap	12"
1	Cap	8"
110	Class 22 C.I.P. + 0.43'	12"
25	Class 22 C.I.P. + 0.41'	8"
980	Class 22 C.I.P. + 0.48'	12"
5	Class 22 C.I.P. + 0.38'	6"



Note: Elevations shown are existing elevations.
 W.P.A. P.I.# 1 Elev. 227.22
 W.P.A. P.I.# 2 Elev. 242.11
 W.P.A. P.I.# 3 Elev. 261.61

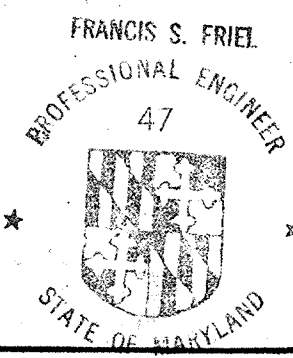
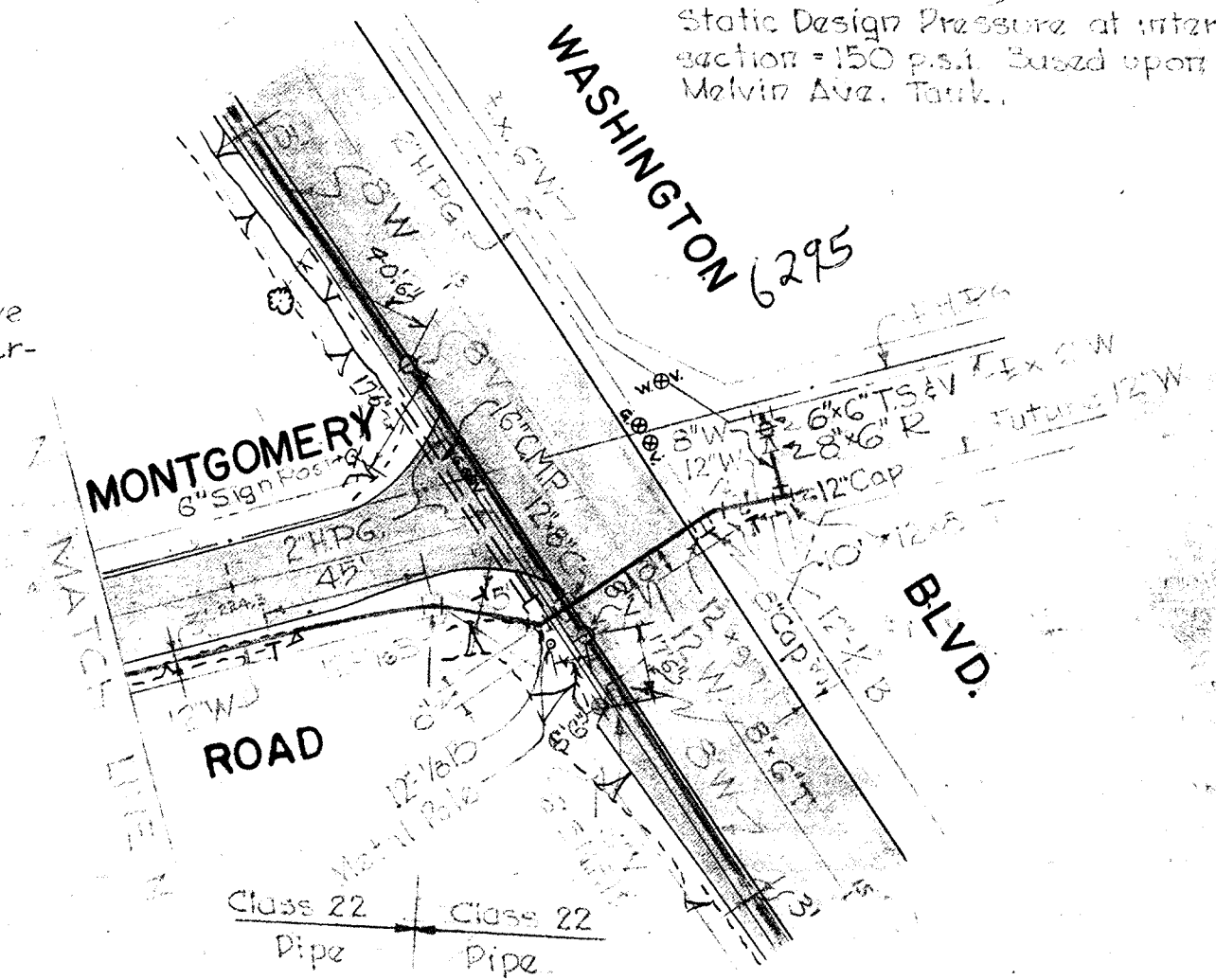
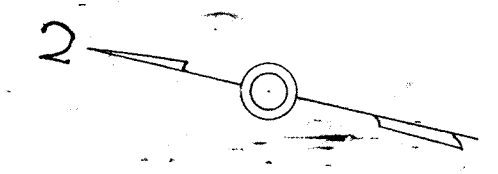
Water Main to have a minimum of 4.0 ft. of cover.

Static Design Pressure at inter-section = 150 p.s.i. Based upon Melvin Avz. Tank.

Note: Contractor to connect Tapping Sleeve & Valve to the existing 6" Water Main under the supervision of the Bureau of Water Supply of Baltimore City.

Crossing Detail No. 1

Existing Grade	249.0
Bottom 18" D	245.0
Top 12" W	244.5
Clearance	0.5



RIGHT OF WAY SECURED	
DATE	REFERENCE
PERMIT REQUESTED	State Road
PERMIT NUMBER	27-871
GRADE ESTABLISHED	
PROFILE NUMBER	

REVISED: March 26, 1956

2W

Drawn: D.G.
 Traced: J.C.B.
 Checked: J.D.S.
 Examined:

HOWARD COUNTY
 METROPOLITAN COMMISSION
 ELKRIDGE SUB-DISTRICT
 MARYLAND

APPROVED BY HOWARD COUNTY METROPOLITAN COMMISSION
 June 2, 1955
 DATE

APPROVED FOR CITY OF BALTIMORE
 2-28-56
 DATE

Brought up to date
 Whitman, Reardon and Associates
 ENGINEERS 1355 BALTIMORE, MD.

PROPOSED 12" WATER MAIN IN MONTGOMERY ROAD
 FROM NEW WASH. BLVD. TO HARMAN AVE.
 ELKRIDGE MARYLAND

PREPARED BY
 ALBRIGHT & FRIEL, INC.
 CONSULTING ENGINEERS
 PHILADELPHIA, PA.

DRAWING
 NO. 13
 OF 25

SCALE
 1" = 50'

J.O. 47079
 DATE: 1-28-49
 FILE:

C.W.O. 29100

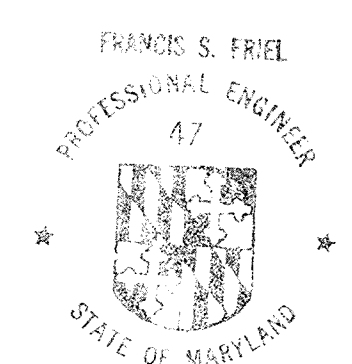
Elevations shown are existing elevations
 W.R.#4 Elev. 270.63
 W.R.#5 Elev. 259.96
 W.R.#6 Elev. 251.78
 Water Main to have a minimum of 4.0' of cover.

State 12" pipe, 143 lbs. per ft. weight, 143 lbs. per ft. weight, 143 lbs. per ft. weight.

NO.	DESCRIPTION	AMOUNT
1	2225	12"
2	Valves	6
3	Fire Hydrants	2"
1340	Class 22 C.I.P. f=0.48'	12"
10	Class 22 C.I.P. f=0.38'	2"

CONTRACT 2-W
P-14 to 25

Crossing Detail No. 1
 Existing Grade 251.1
 Bottom 12" D 243.6
 Top 12" W 245.1
 Clearance 0.5



RIGHT OF WAY SECURED	
DATE	REFERENCE
PERMIT REQUESTED	State Road
PERMIT NUMBER	97-871
GRADE ESTABLISHED	
PROFILE NUMBER	

Unit Baptist Church
 Vincent B. O'Malley Est
 UNIV. BAPTIST Church
 WATER 910-76
 1 1/2" frame
 FRANKLIN CAGER
 REVISED March 1956

DRAWN: D.G.
 TRACED: J.C.B.
 CHECKED: J.D.C.
 HOWARD COUNTY METROPOLITAN COMMISSION
 ELKRIDGE SUB-DISTRICT

APPROVED BY HOWARD COUNTY METROPOLITAN COMMISSION
 June 2, 1955
 DATE

APPROVED FOR CITY OF BALTIMORE
 2-28-56
 DATE
 WATER ENGINEER
 DIR. PUBLIC WORKS

Brought up to date
 24
 WHITMAN, REGARDT AND ASSOCIATES
 ENGINEERS Md. 1956 BALTIMORE, MD.

PROPOSED 12" WATER MAIN IN MONTGOMERY ROAD
FROM NEW WASH. BLVD. TO HARMAN AVE.
 MARYLAND
 ELKRIDGE

PREPARED BY
 ALBRIGHT & FRIEL, INC.
 CONSULTING ENGINEERS
 PHILADELPHIA, PA.

DRAWING NO. 14 OF 25
 SCALE 1" = 50'

J.O. 47079
 DATE: 1-28-49
 FILE:

C.W.O. 29100

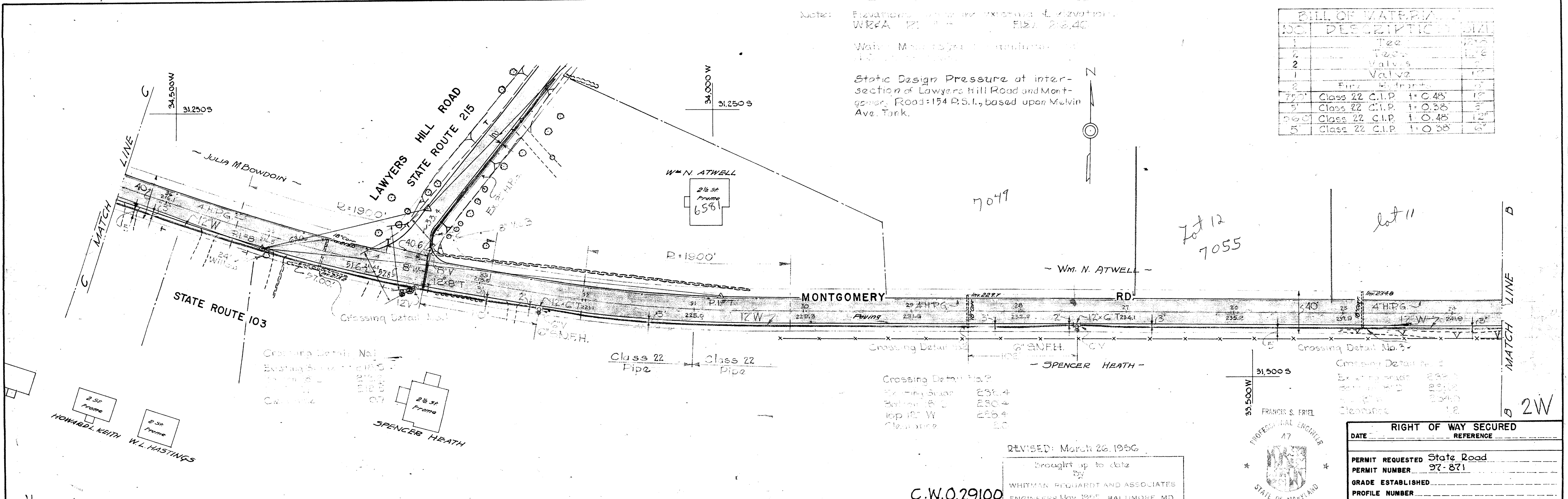
Cont 2

Notes: Elevations shown are existing & elevations
 W.R.F.A. 21 21 21 ELEV. 216.40

Water Main to be installed at
 154 P.S.I. based upon Melvin
 Ave. Tank.

Static Design Pressure at inter-
 section of Lawyers Hill Road and Mont-
 gomery Road = 154 P.S.I., based upon Melvin
 Ave. Tank.

BILL OF MATERIALS		
NO.	DESCRIPTION	SIZE
1	Tees	12" x 12"
2	Tees	12" x 6"
2	Valves	12"
1	Valve	12"
2	Fire Hydrants	6"
750'	Class 22 C.I.P.	1'-0.48"
5'	Class 22 C.I.P.	1'-0.38"
260'	Class 22 C.I.P.	1'-0.48"
5'	Class 22 C.I.P.	1'-0.38"



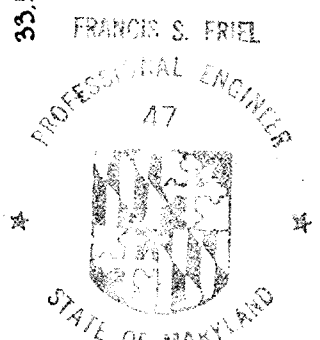
Crossing Detail No. 2

Existing Ground	236.4
Bottom of 12" C	230.4
Top of 12" W	226.4
Clearance	2.0

Crossing Detail No. 3

Existing Ground	239.7
Bottom of 12" C	233.2
Top of 12" W	234.0
Clearance	1.2

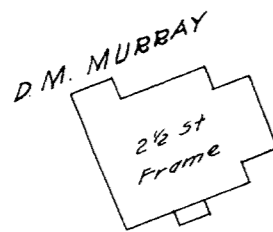
REVISED: March 26, 1956
 brought up to date
 by
 WHITMAN, REQUARDT AND ASSOCIATES
 ENGINEERS May 1955, BALTIMORE, MD.



RIGHT OF WAY SECURED	
DATE	REFERENCE
PERMIT REQUESTED State Road	
PERMIT NUMBER 97-871	
GRADE ESTABLISHED	
PROFILE NUMBER	

DRAWN: D.G. TRACED: L.F.	HOWARD COUNTY METROPOLITAN COMMISSION APPROVED BY HOWARD COUNTY METROPOLITAN COMMISSION June 2, 1955	APPROVED FOR CITY OF BALTIMORE 2-28-56	PROPOSED 12" WATER MAIN IN MONTGOMERY ROAD FROM NEW WASH. BLVD. TO HARMAN AVE.	PREPARED BY ALBRIGHT & FRIEL, INC. CONSULTING ENGINEERS PHILADELPHIA, PA.	DRAWING NO. 15 OF 25	SCALE 1" = 50'	J.O. 47079 DATE: 1-28-49
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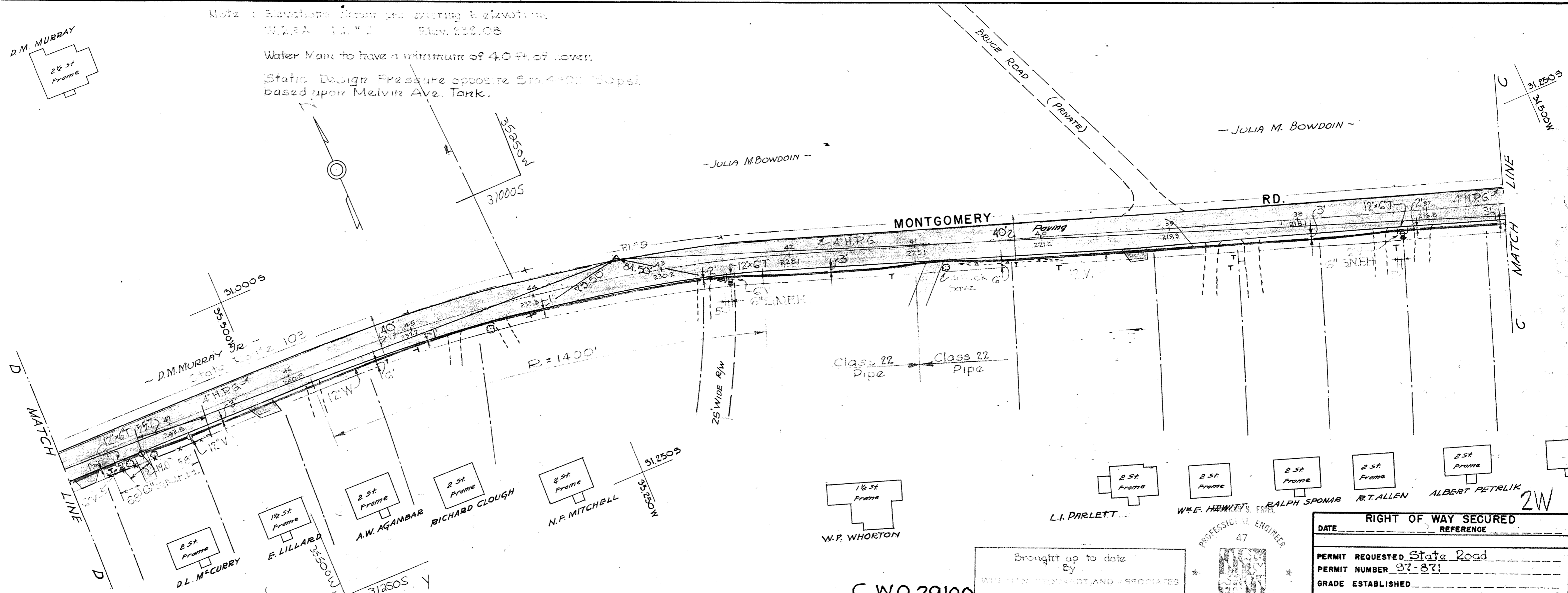
BILL OF MATERIALS		
NO.	DESCRIPTION	SIZE
3	Tees	12" x 6"
1	Valves	12"
3	Valves	6"
3	Fire Hydrants	6"
460	Class 22 C.I.P. f=0.48	12"
5	Class 22 C.I.P. f=0.38	6"
690	Class 22 C.I.P. f=0.48	12"
5	Class 22 C.I.P. f=0.38	6"



Note: Elevations shown are existing & elevations
 W.2.5A 11.5' Elev. 232.08

Water Main to have a minimum of 4.0 ft. of cover.

Static Design Pressure opposite Sta. 4+00 150 psi based upon Melvitz Ave. Tank.



revision
 2/28/56

DRAWN: D.G.
 TRACED: J.C.B.

HOWARD COUNTY METROPOLITAN COMMISSION

APPROVED BY HOWARD COUNTY METROPOLITAN COMMISSION
 June 2, 1955

APPROVED FOR CITY OF BALTIMORE
 2-28-56

PROPOSED 12" WATER MAIN IN MONTGOMERY ROAD

PREPARED BY ALBRIGHT & FRIEL, INC.

DRAWING SCALE J.O. 47079 DATE: 1-28-49

Brought up to date
 By
 WHELAN, HOWLAND & ASSOCIATES
 ENGINEERS May 1955 BALTIMORE MD



RIGHT OF WAY SECURED
 DATE REFERENCE

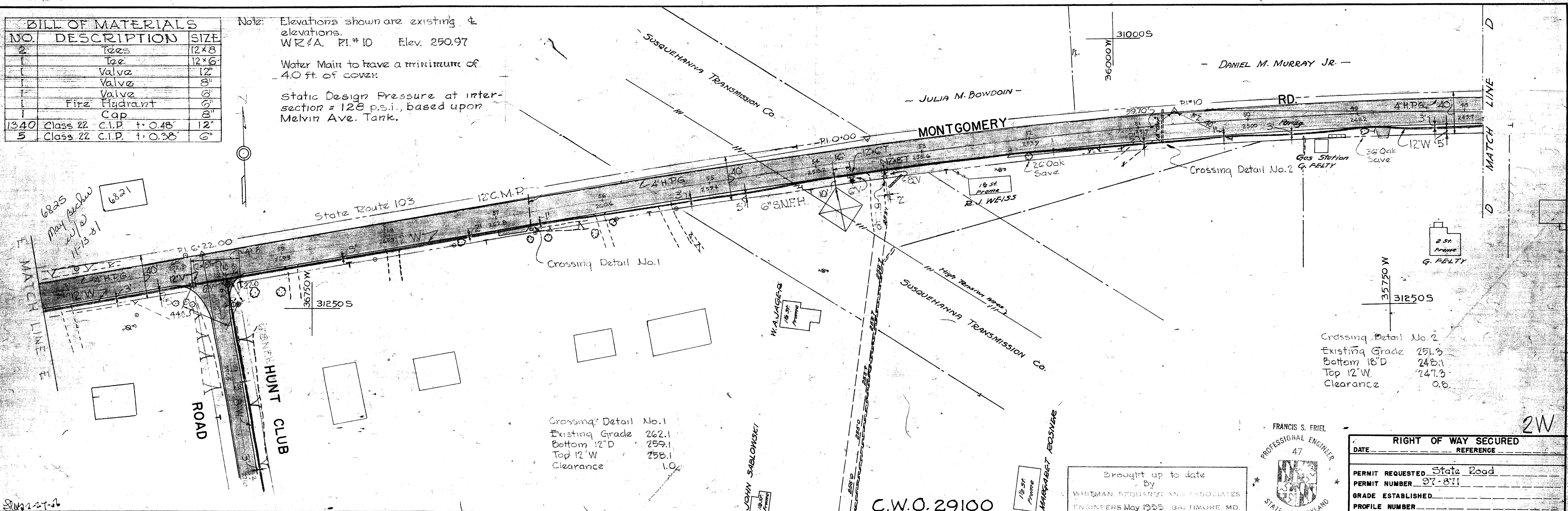
PERMIT REQUESTED State Road
 PERMIT NUMBER 37-871
 GRADE ESTABLISHED
 PROFILE NUMBER

- 2 1/2 ft Frame: A.W. AGAMBAR, RICHARD CLOUGH, N.P. MITCHELL, W.P. WHORTON, L.I. PARLETT, W.E. HEWITT'S FRIEL, RALPH SPONAR, R.T. ALLEN, ALBERT PETRLIK
- 2 ft Frame: D.L. McCURRY, E. LILLARD
- 1 1/2 ft Frame: E. LILLARD

C.W.O. 29100

BILL OF MATERIALS		
NO.	DESCRIPTION	SIZE
2	Tees	12" x 8"
1	TEE	12" x 6"
1	Valve	12"
1	Valve	8"
1	Valve	6"
1	Fire Hydrant	6"
1	Cap	8"
1340	Class 22 C.I.P. t=0.48	12"
5	Class 22 C.I.P. t=0.38	6"

Note: Elevations shown are existing & elevations.
 W.R.#A. PI.#10 Elev. 250.97
 Water Main to have a minimum of 4.0 ft. of cover.
 Static Design Pressure at intersection = 128 p.s.i., based upon Melvin Ave. Tank.



6825
 May Review
 2/12/56
 11-13-81
 6821

MATCH LINE E

MATCH LINE D

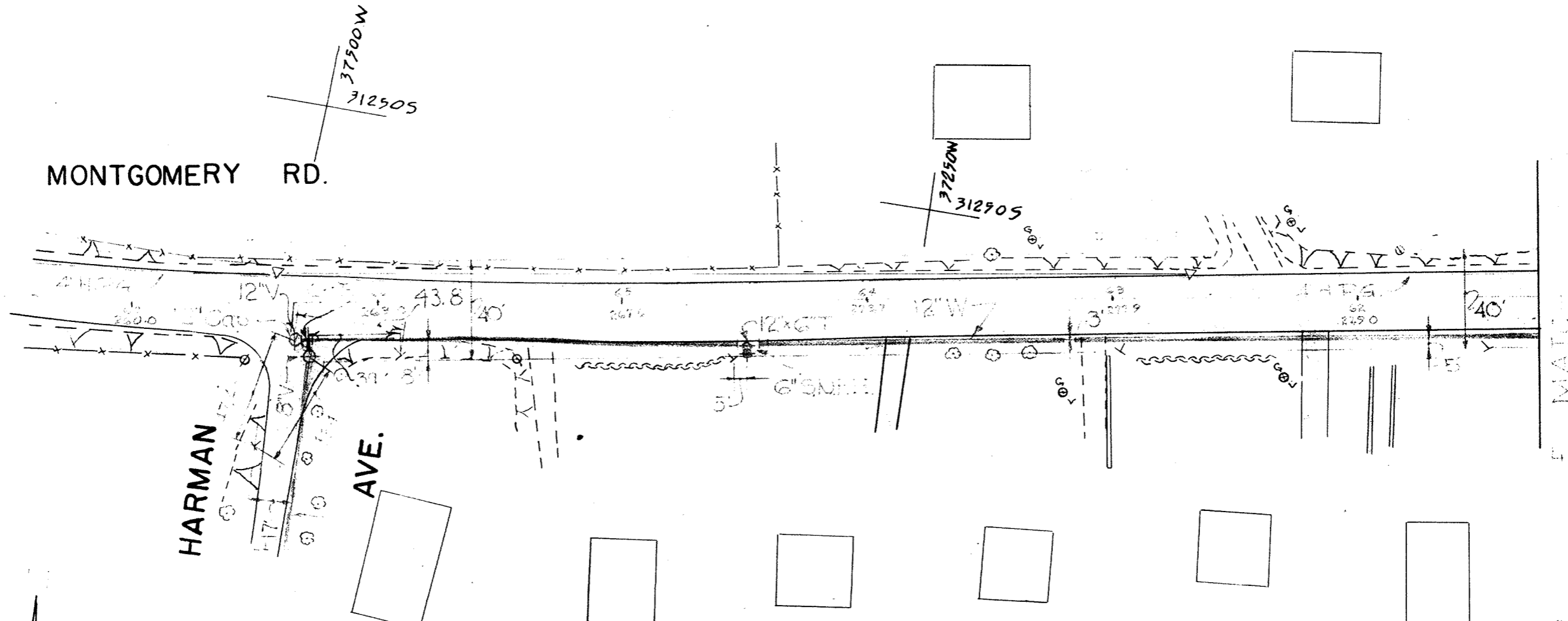
Crossing Detail No. 1
 Existing Grade 262.1
 Bottom 12" D 259.1
 Top 12" W 258.1
 Clearance 1.0

Crossing Detail No. 2
 Existing Grade 251.3
 Bottom 18" D 248.1
 Top 12" W 247.3
 Clearance 0.8

2W

DRAWN: D.G. TRACED: I.E.	HOWARD COUNTY METROPOLITAN COMMISSION APPROVED BY HOWARD COUNTY METROPOLITAN COMMISSION June 2, 1955	APPROVED FOR CITY OF BALTIMORE 2-28-56.	C.W.O. 29100 PROPOSED 12" WATER MAIN IN MONTGOMERY ROAD FROM NEW WASH. BLVD TO TAKMAN AVE.	PREPARED BY ALBRIGHT & FRIEL, INC. ENGINEERS May 1955 BALTIMORE, MD.	FRANCIS S. FRIEL PROFESSIONAL ENGINEER 47 STATE OF MARYLAND	RIGHT OF WAY SECURED DATE _____ REFERENCE _____ PERMIT REQUESTED State Road PERMIT NUMBER 97-871 GRADE ESTABLISHED _____ PROFILE NUMBER _____	DRAWING _____ SCALE _____ J.O. 47079 DATE: 1-28-49
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MONTGOMERY RD.



Note: Elevations shown are existing & elevations.
 W.P.A. 2" x 3" Elz. 203.77
 Nail in Washer in base of
 G.P.E. to Post # 211324, 8' north
 of P.L. 10+78.52 in Harman Ave.
 Water Main to have a minimum
 of 4.0 ft. of cover.
 12" Design Pressure at inter-
 section = 150 psi based upon
 1000' Area. Tank.

BILL OF MATERIALS		
NO	DESCRIPTION	SIZE
1	Tea	12" x 8"
1	Tea	12" x 6"
1	Valve	12"
1	Valve	6"
1	Fire Hydrant	6"
1	Cap	12"
500	Class 22 C.I.P. t-o.48"	12"
5	Class 22 C.I.P. t-o.38"	6"

2W

RIGHT OF WAY SECURED	
DATE	REFERENCE
PERMIT REQUESTED <u>State Road</u>	
PERMIT NUMBER <u>27-871</u>	
GRADE ESTABLISHED	
PROFILE NUMBER	

C.W.O. 29100

DRAWN
 TRACED
 CHECKED
 EXAMINED

HOWARD COUNTY
 METROPOLITAN COMMISSION
 ELKRIDGE SUB-DISTRICT
 MARYLAND

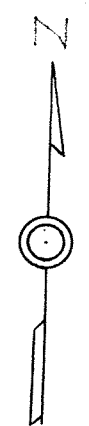
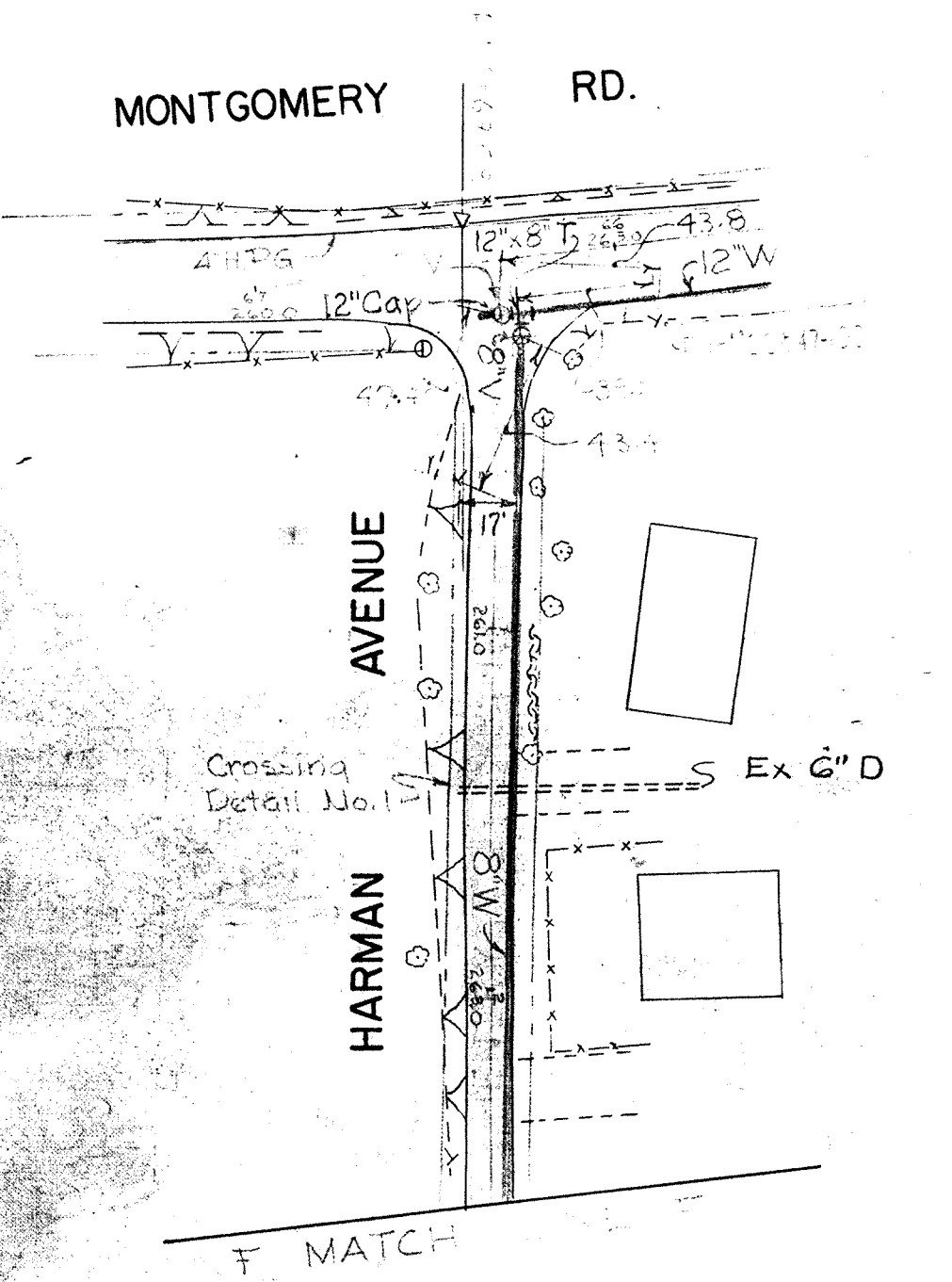
APPROVED BY HOWARD COUNTY METROPOLITAN COMMISSION
 June 2, 1955
 DATE
Joseph W. Meyer
Ray C. Moser
George H. Payne

APPROVED FOR CITY OF BALTIMORE
 DATE 2-28-56
Arnold Beckner WATER ENGINEER
George A. Carter DIR. PUBLIC WORKS

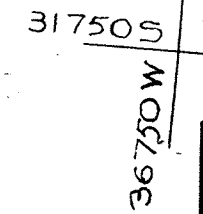
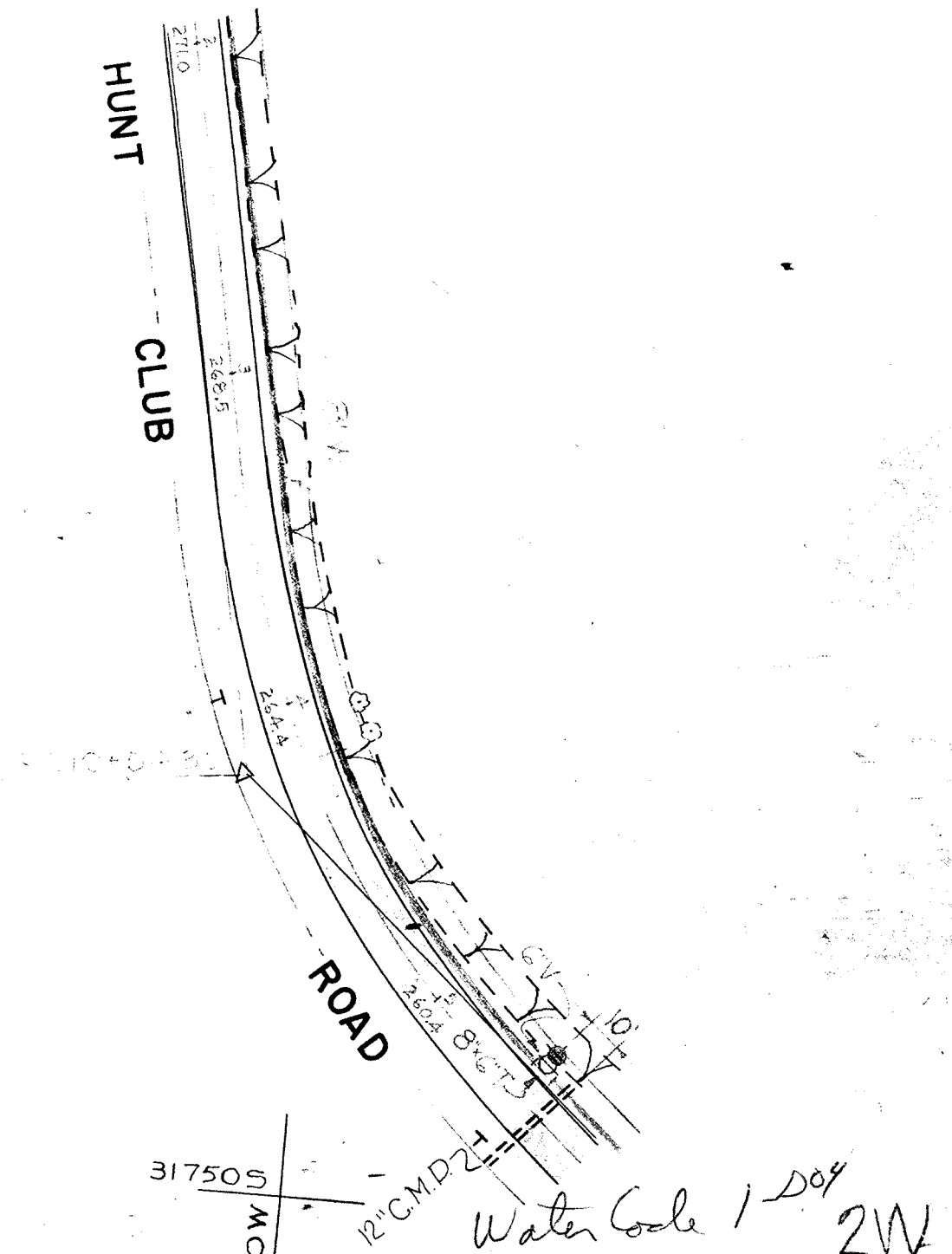
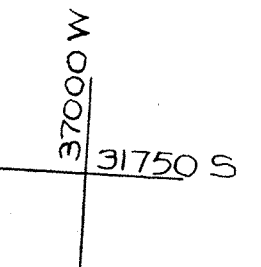
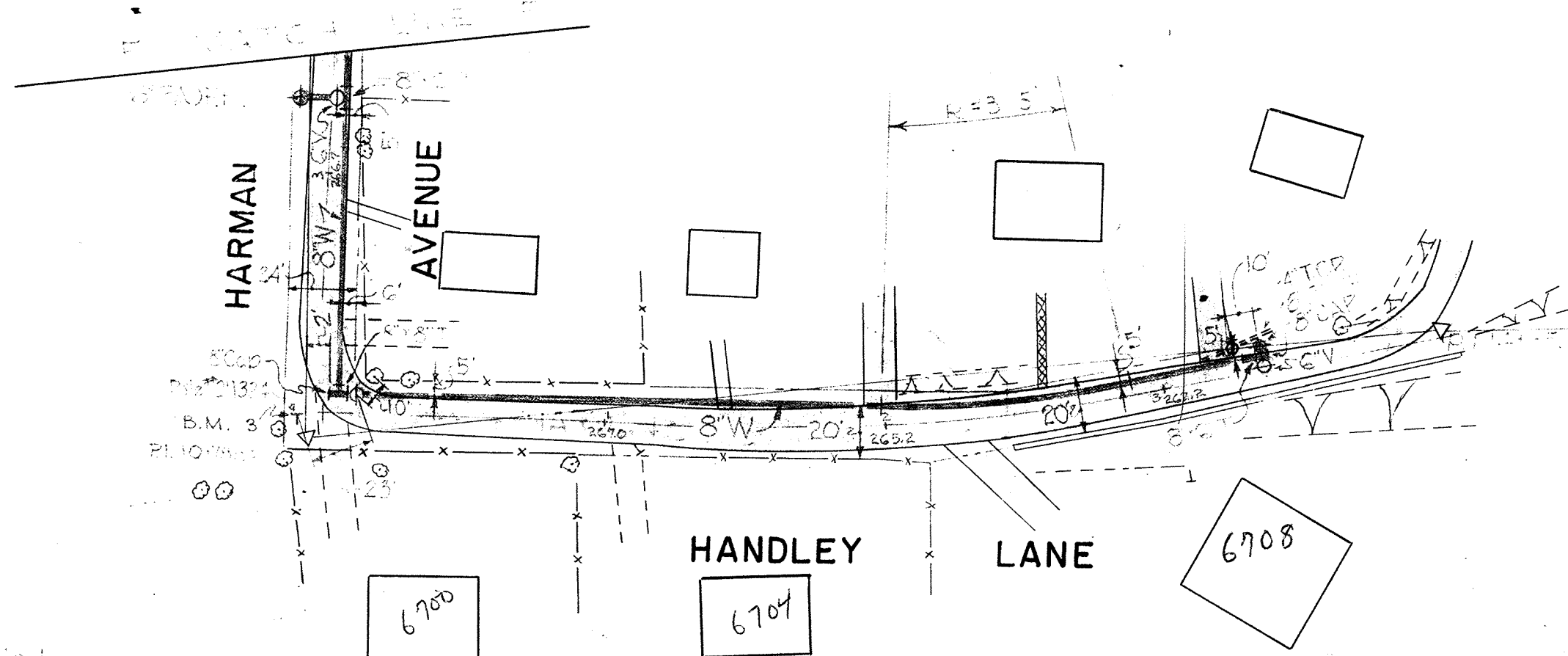
PREPARED BY WITMAN, DEQUARDT & ASSOCIATES CONSULTING ENGINEERS BALTIMORE, MD.	PROPOSED 12" WATER MAIN IN MONTGOMERY ROAD FROM NEW WASH BLVD TO HARMAN AVENUE ELKRIDGE MARYLAND	DRAWING 19 OF 25	SCALE 1"=50'	J.O. FILE
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Water Main to have a minimum of 4.0 ft. of cover.
 Utility Dept. to provide at all locations of Main along Road 15' from Road on 14' Min. Ave. Right.

BILL OF MATERIALS		
NO.	DESCRIPTION	SIZE
1	Tee	8" x 5"
2	Tees	6" x 6"
2	Valves	6"
2	Valves	6"
2	Fire Hydrants	6"
2	Caps	6"
700	Class 72 C.I.P.	1'-0.41'
30	Class 72 C.I.P.	1'-0.38'



Crossing Detail No. 1
 Existing Grade 262.0
 Bottom 6" D 261.2
 Top 8" W 258.0
 Clearance 3.2



RIGHT OF WAY SECURED	
DATE	REFERENCE
PERMIT REQUESTED	County Road
PERMIT NUMBER	None Required
GRADE ESTABLISHED	
PROFILE NUMBER	

DRAWN
 TRACED
 CHECKED
 EXAMINED

HOWARD COUNTY
 METROPOLITAN COMMISSION
 ELK RIDGE SUB-DISTRICT
 MARYLAND

APPROVED BY HOWARD COUNTY METROPOLITAN COMMISSION
 June 2, 1955
 DATE

APPROVED FOR CITY OF BALTIMORE
 2-28-56
 DATE
 WATER ENGINEER
 DIR. PUBLIC WORKS

PROPOSED 8" WATER MAIN IN HARMAN AVE. FROM MONTGOMERY RD. TO HANDLEY LA. & HANDLEY LA. FROM HARMAN AVE. 330' WEST.

C.W.O. 29101

Tax Map 37 Block 6
 PREPARED BY
 WHITMAN REQUARDT & ASSOCIATES
 CONSULTING ENGINEERS
 BALTIMORE, MD.

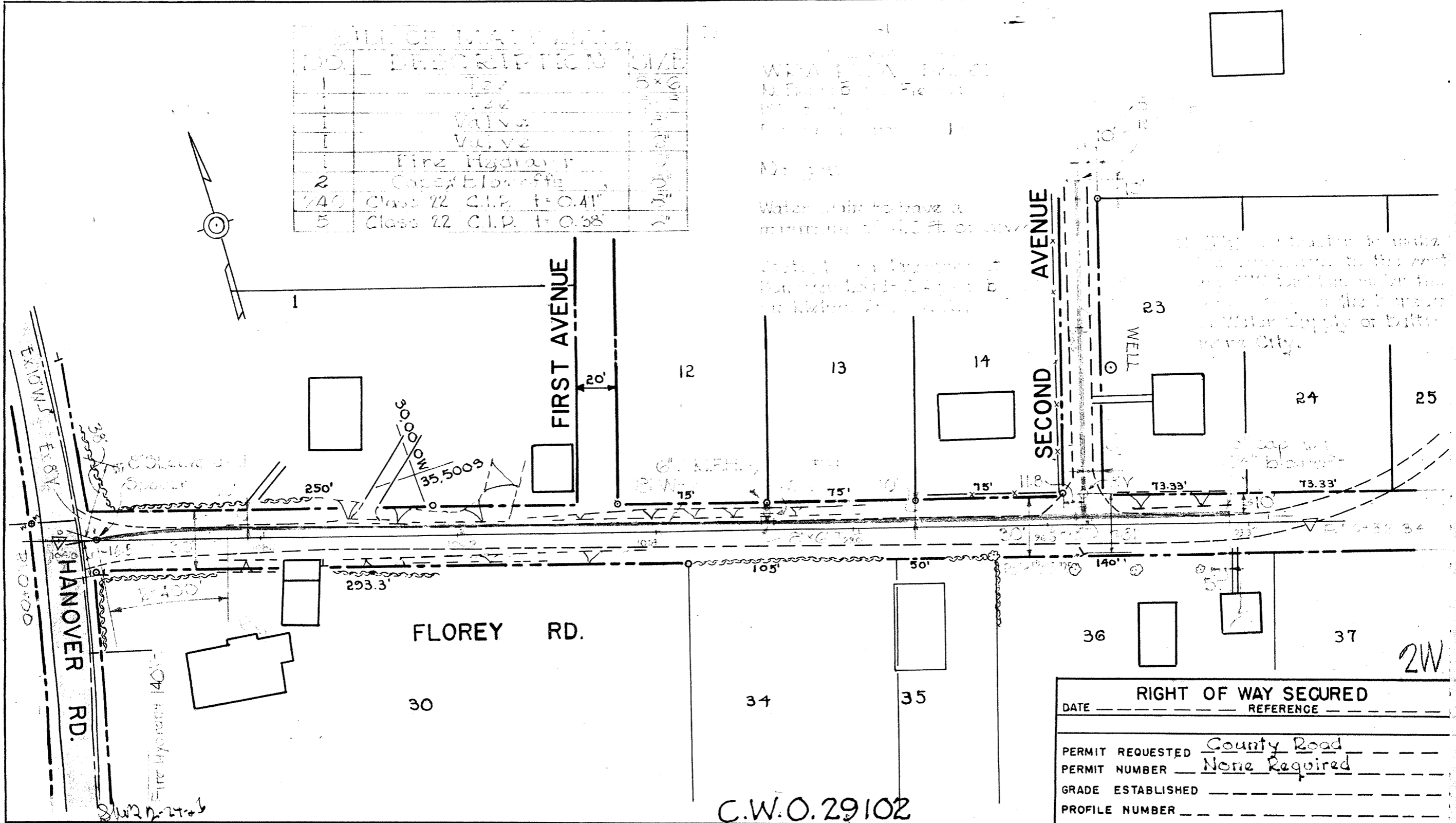
DRAWING NO. 19
 SCALE 1" = 50'
 J.O. DATE FILE

NO.	DESCRIPTION	SIZE
1	Te	3x6
1	Te	3x6
1	Valve	
1	Valve	
1	Fire Hydrant	
2	Cap or Elbow	
740	Class 22 C.I.P. f=0.41"	
5	Class 22 C.I.P. f=0.38"	

WATER MAIN
 N. 1/2 Sec. 8, T. 38 N., R. 10 E.,
 Md. 21000

No gas

Water main to have a
 minimum of 4.5 ft. of cover



RIGHT OF WAY SECURED

DATE _____ REFERENCE _____

PERMIT REQUESTED County Road

PERMIT NUMBER None Required

GRADE ESTABLISHED _____

PROFILE NUMBER _____

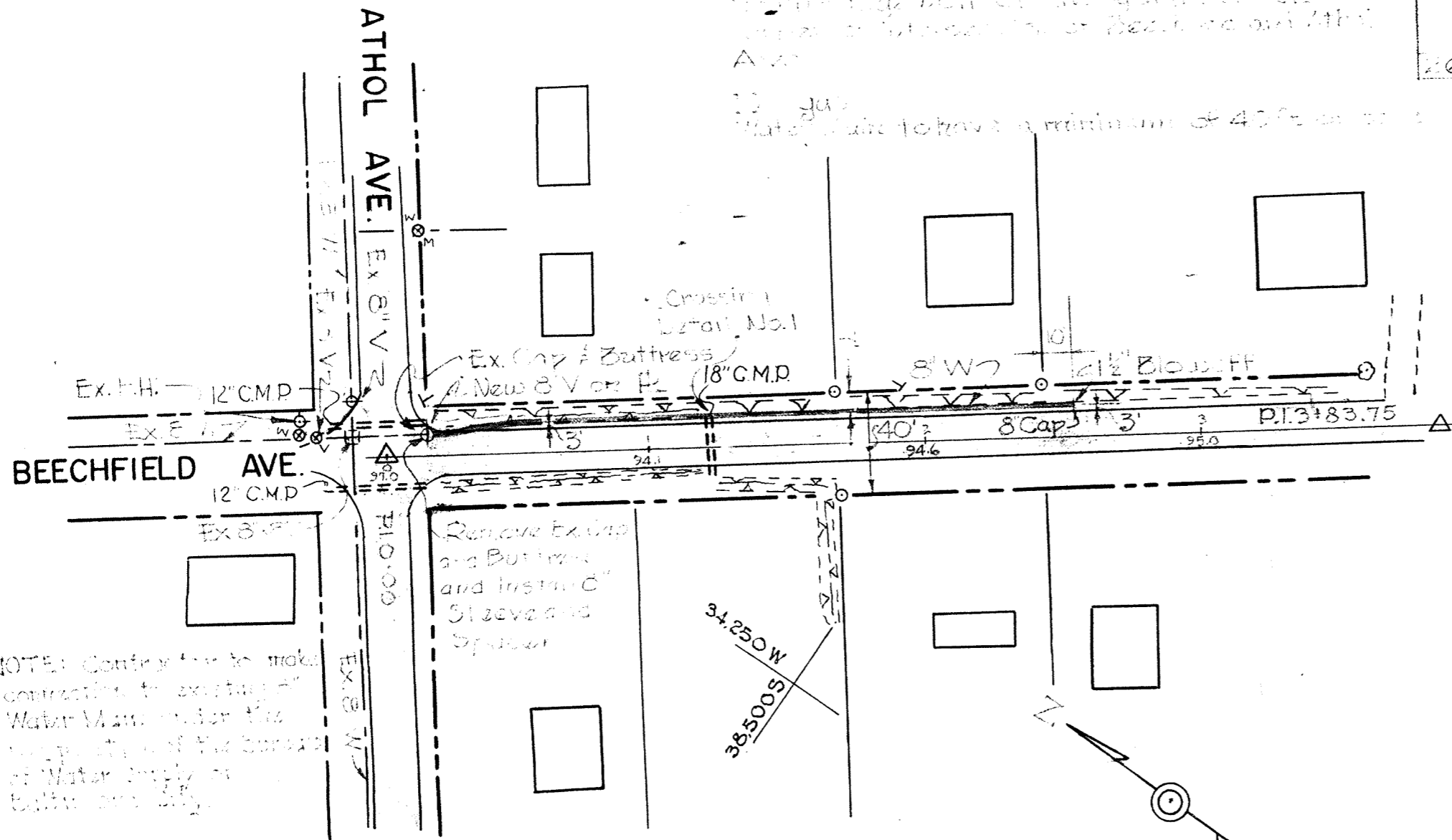
C.W.O. 29102

DRAWN TRACED CHECKED EXAMINED	HOWARD COUNTY METROPOLITAN COMMISSION ELKRIDGE SUB-DISTRICT MARYLAND	APPROVED BY HOWARD COUNTY METROPOLITAN COMMISSION <u>June 2, 1955</u> DATE <i>Carol W. Meyer</i> <i>Ray C. Moore</i> <i>Peter L. Raynor</i>	APPROVED FOR CITY OF BALTIMORE <u>7-28-56</u> DATE <i>Bernard Leimer</i> WATER ENGINEER <i>George A. Carter</i> DIR. PUBLIC WORKS
PREPARED BY WHITMAN REQUARDT & ASSOCIATES CONSULTING ENGINEERS BALTIMORE, MD.		PROPOSED 8" WATER MAIN IN FLOREY RD. FROM HANOVER RD., 585' EAST. SECOND AVENUE FROM ELKRIDGE FLOREY RD. 170' NORTH. MARYLAND	
		DRAWING NO. <u>20</u> OF <u>25</u>	SCALE 1" = 50'
		J.O. DATE FILE	

Existing 12" CMP
 W.M. BM "B"
 Existing 8" W
 Proposed 8" W
 Proposed 18" CMP
 Proposed 8" Cap

BILL OF MATERIALS		
NO.	DESCRIPTION	SIZE
1	Valve	8"
2	Cap	8"
260	Class 22 pipe	1'-0.41"
		8"

Water main to have a minimum of 45' cover



Crossing Detail No. 1	
Existing grade	94.2
Center 18" D	91.7
Top 8" W	90.2
Clearance	1.5

NOTE: Contractor to make connection to existing Water Main under the intersection of the corner of Water Ave. or better.

Static Design Pressure at Athol Ave - 205 p.s.i. based on Maine Ave Tank.

2W

RIGHT OF WAY SECURED	
DATE	REFERENCE
PERMIT REQUESTED	County Road
PERMIT NUMBER	None Required
GRADE ESTABLISHED	
PROFILE NUMBER	

C.W.O. 29103.

DRAWN
 TRACED
 CHECKED
 EXAMINED

HOWARD COUNTY
 METROPOLITAN COMMISSION
 ELKRIDGE SUB-DISTRICT
 MARYLAND

APPROVED BY HOWARD COUNTY METROPOLITAN COMMISSION
 June 2, 1955
 DATE

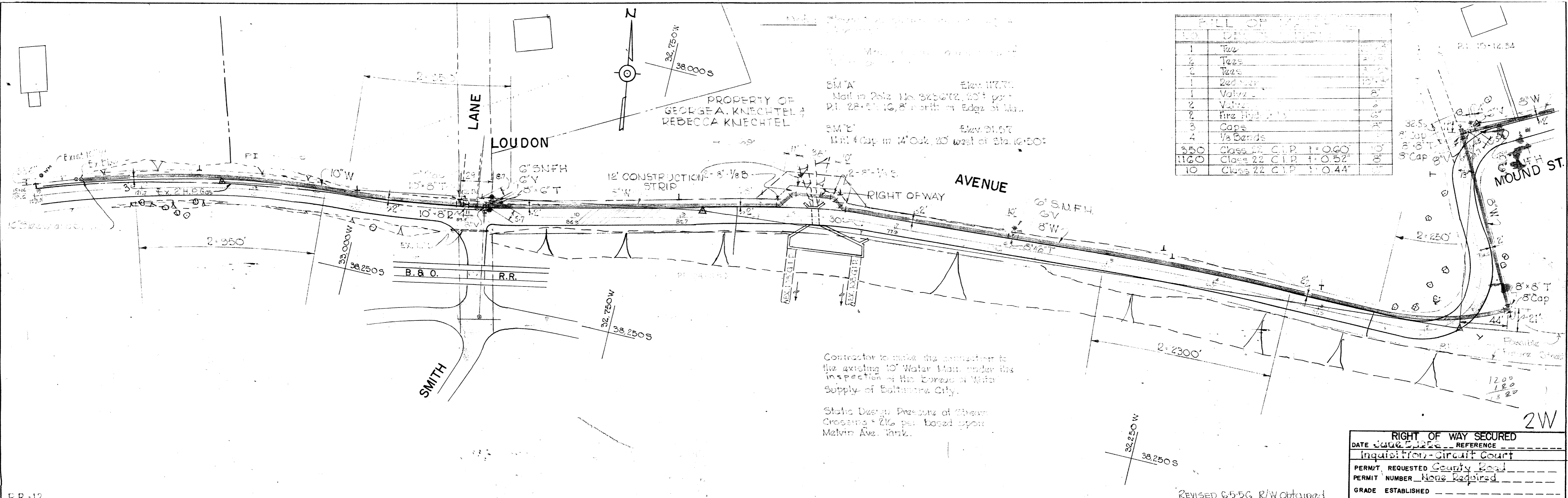
Carl W. Meyer
LeRoy C. Moore
Robert V. Layman

APPROVED FOR CITY OF BALTIMORE
 2-28-55
 DATE

Richard L. Werner
 WATER ENGINEER

George A. Carter
 DIR. PUBLIC WORKS

PREPARED BY WHITMAN REQUARDT & ASSOCIATES CONSULTING ENGINEERS BALTIMORE, MD.	PROPOSED 8" WATER MAIN IN BEECHFIELD AVE. FROM ATHOL AVE., 250' SOUTHERLY ELKRIDGE MARYLAND	DRAWING	SCALE	J.O.
		NO. 21	1" = 50'	DATE
		OF 25		FILE



NO.	DESCRIPTION	AMOUNT
1	Tee	1.00
2	Tees	2.00
1	Reducer	1.00
1	Valve	8.00
2	Valves	16.00
2	Fire Hydrants	16.00
3	Caps	24.00
4	1/2 Bands	4.00
350	Class 22 C.I.P. f=0.60	10.50
1160	Class 22 C.I.P. f=0.52	60.72
10	Class 22 C.I.P. f=0.44	4.40

B.M. "A" Elev. 117.70
 Nail in Pole No. 325072, 20' post
 P.I. 28'-5" N.E. 8' north of Edge of Mar.

B.M. "B" Elev. 91.57
 Nail & Cap in 14" Oak, 20' west of Sta. 10+50

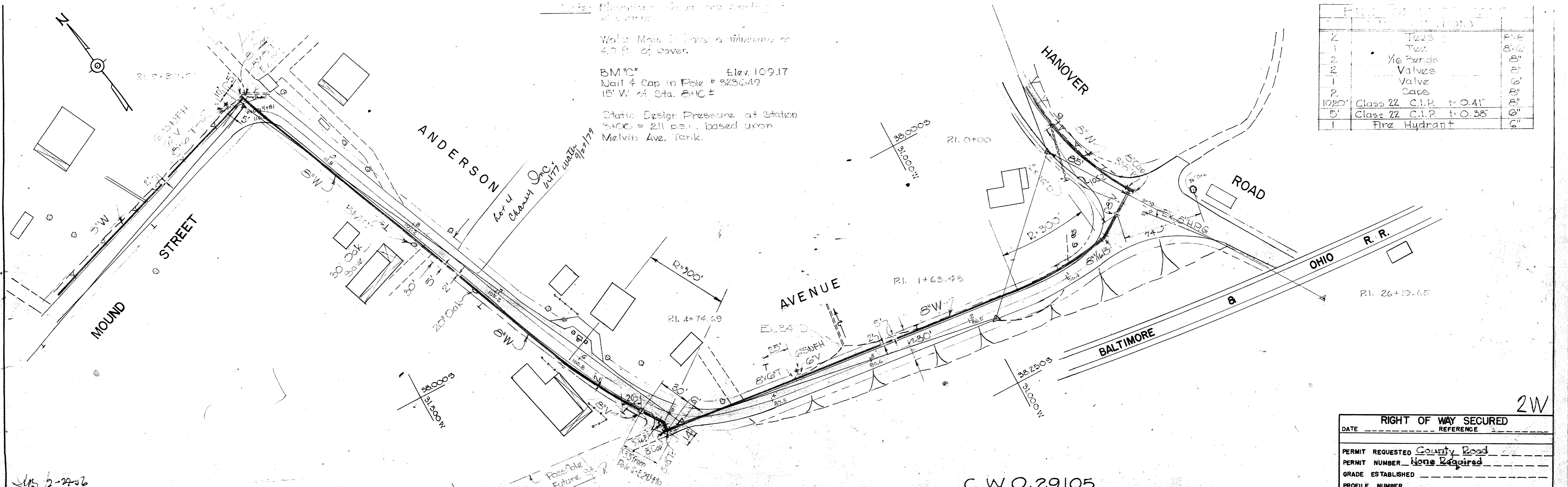
Contractor to make the connection to
 the existing 10" Water Main under his
 inspection of the Bureau of Water
 Supply of Baltimore City.

Static Design Pressure at Street
 Crossing = 216 psi based upon
 Melvin Ave. Tank.

RIGHT OF WAY SECURED
 DATE June 2, 1956 REFERENCE _____
 Inquisition - Circuit Court
 PERMIT REQUESTED County Road
 PERMIT NUMBER None Required
 GRADE ESTABLISHED _____
 PROFILE NUMBER _____

RR-12	HOWARD COUNTY METROPOLITAN COMMISSION ELKRIDGE SUB-DISTRICT MARYLAND	APPROVED BY HOWARD COUNTY METROPOLITAN COMMISSION Aug. 29, 1955 <i>Carl W. Meyer</i> DATE	APPROVED FOR CITY OF BALTIMORE 6/7/56 <i>George R. Rutter</i> DATE WATER ENGINEER DIR. PUBLIC WORKS	PROPOSED 10" & 8" WATER MAIN IN LOUDON AVE. FROM 670' SOUTH OF ATHOL AVE. TO MOUND ST. ELKRIDGE MARYLAND	PREPARED BY WHITMAN REQUARDT & ASSOCIATES CONSULTING ENGINEERS BALTIMORE, MD.	DRAWING NO. <u>22</u> OF <u>25</u>	SCALE 1" = 50'	J.O. DATE FILE	
DRAWN									
TRACED									
CHECKED									
EXAMINED									

REVISED C-5-56 R/W obtained
 REVISED: March 26, 1956

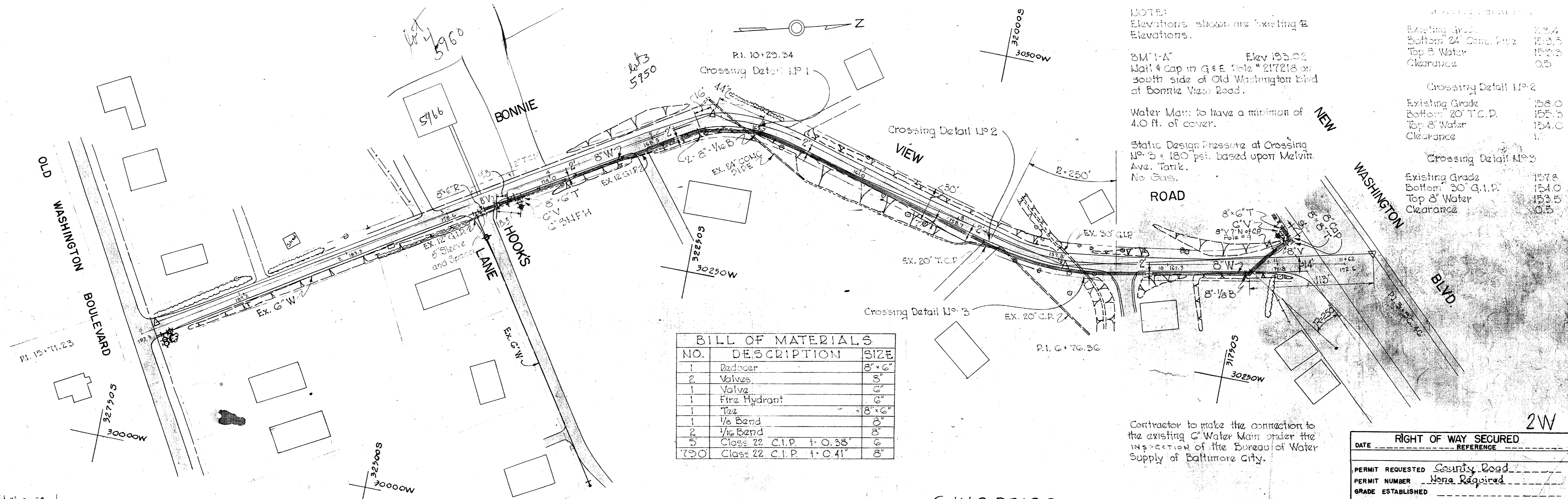


BILL OF MATERIALS		
NO.	DESCRIPTION	QTY.
2	Tees	2
1	Tee	1
2	1/2 Bands	2
2	Valves	2
1	Valve	1
2	Caps	2
1020'	Class 22 C.I.P. +0.41"	6"
5'	Class 22 C.I.P. +0.38"	6"
1	Fire Hydrant	6"

MS 5-2456

DRAWN TRACED	HOWARD COUNTY METROPOLITAN COMMISSION ELKRIDGE SUB-DISTRICT MARYLAND	APPROVED BY HOWARD COUNTY METROPOLITAN COMMISSION Aug. 29, 1955 DATE	APPROVED FOR CITY OF BALTIMORE 2-28-56 DATE	PROPOSED 8" WATER MAIN IN ANDERSON AVENUE FROM HANOVER ROAD TO MOUND STREET ELKRIDGE MARYLAND	PREPARED BY WHITMAN REQUARDT & ASSOCIATES CONSULTING ENGINEERS BALTIMORE, MD	DRAWING NO. 24 OF 25	SCALE 1" = 50'	J.O. DATE FILE
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2W



NOTE:
Elevations shown are Existing & Elevations.

BM "1-A" Elev 153.02
Nail & Cap in G & E Pole # 217218 on south side of Old Washington Blvd at Bonnie View Road.

Water Main to have a minimum of 4.0 ft. of cover.

Static Design Pressure at Crossing No. 3 = 180 psi. based upon Melvitt Ave. Tank.
No Gas.

Existing Grade	153.4
Bottom 24" Conc. Pipe	153.5
Top 8" Water	153.3
Clearance	0.5

Crossing Detail No. 2	
Existing Grade	158.0
Bottom 20" T.C.P.	155.5
Top 8" Water	154.0
Clearance	1.0

Crossing Detail No. 3	
Existing Grade	157.8
Bottom 30" G.I.P.	154.0
Top 8" Water	153.5
Clearance	0.5

BILL OF MATERIALS		
NO.	DESCRIPTION	SIZE
1	Reducer	8" x 6"
2	Valves	8"
1	Valve	6"
1	Fire Hydrant	6"
1	Tea	8" x 6"
1	1/8 Bend	8"
2	1/16 Bend	8"
5	Class 22 C.I.P.	t = 0.38"
790	Class 22 C.I.P.	t = 0.41"

Contractor to make the connection to the existing G" Water Main under the inspection of the Bureau of Water Supply of Baltimore City.

RIGHT OF WAY SECURED	
DATE	REFERENCE
PERMIT REQUESTED	County Road
PERMIT NUMBER	None Required
GRADE ESTABLISHED	
PROFILE NUMBER	

DRAWN TRACED CHECKED EXAMINED	HOWARD COUNTY METROPOLITAN COMMISSION ELKRIDGE SUB-DISTRICT MARY AND	APPROVED BY HOWARD COUNTY METROPOLITAN COMMISSION Aug. 29, 1955 DATE	APPROVED FOR CITY OF BALTIMORE 2-28-56 DATE	PROPOSED 8" WATER MAIN IN BONNIE VIEW ROAD FROM WASHINGTON BLVD. TO HOOKS LANE	PREPARED BY WHITMAN REQUARDT & ASSOCIATES CONSULTING ENGINEERS	DRAWING NO. 25 OF 25	SCALE 1" = 50'	J.O. DATE FILE
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C.W.O. 29106

2W