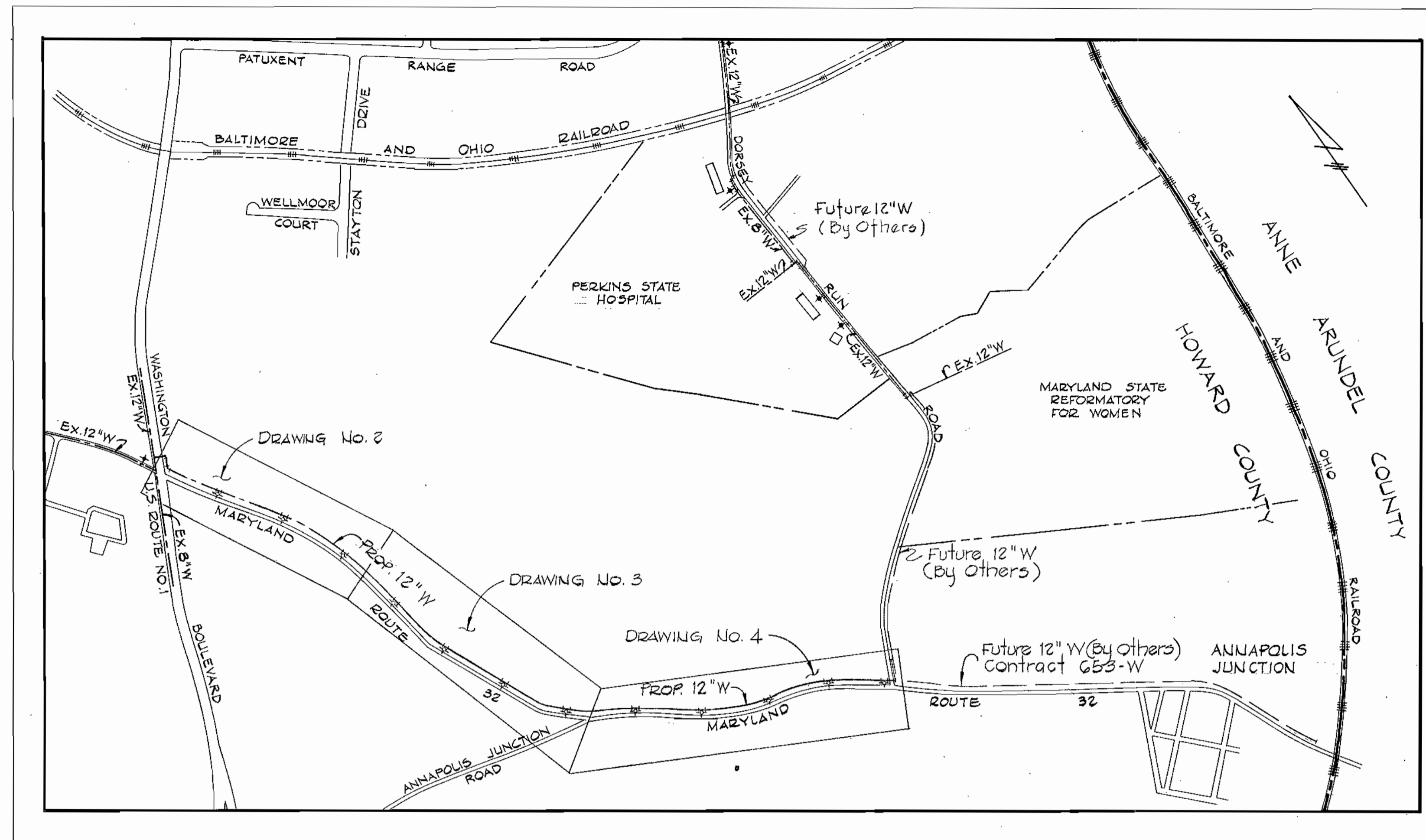


QUANTITIES		
SIZE	PROPOSED	"AS BUILT"
6" WATER	60 L.F.	49 L.F.
12" WATER	6,005 L.F.	6,057 L.F.
FIRE HYD.	12 EA.	12 EACH
AIR REL. M)	1 EA.	1 EACH
8" WATER	—	5 L.F.



GENERAL NOTES

- 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 due to the contractor's operations shall be repaired immediately at the contractor's expense.
- All pipe elevations shown are *D*invert elevations.
- The contractor shall locate existing utilities a minimum of two weeks in advance of construction operations in the vicinity of proposed utilities.
- For all standard details see standards bound in specifications.
- Clear all utilities by a minimum of 6". Clear all utility poles by 2'-0" minimum or tunnel or bracing as required. Any costs incurred to the contractor for tunneling or bracing at poles shall be included in unit prices bid for excavation.
- Contractor shall notify the following utilities or agencies at least five (5) days before starting work shown on these plans:
 - State Highway Administration - 531-5533
 - Baltimore Gas & Electric Company - Underground Electric Distribution Engineering - "Damage Control" - 234-5691
 - Baltimore Gas & Electric Company - Underground Gas Distribution Engineering - 559-0100
 - Chesapeake and Potomac Telephone Company - 725-9976
 - Miss Utility - 393-3648
- Trees are to be protected from damage to maximum extent. Trees located within the construction strip are not to be removed or damaged by the contractor.
- Place regulation "Men Working" and warning signs as required to comply with Maryland State Highway Administration manual of Traffic Control for Highway Construction and Maintenance Operations.
- All water mains to be *C.I.P.*, *P.I.P.*, or A.C.P. unless otherwise noted.
- Top of all water mains to have a minimum of 3'-6" cover unless otherwise noted.
- All valves shall be strapped to tees, where applicable, in accordance with standard details.
- Buttress or anchor all water main fittings with concrete. See standard details bound in the specifications.
- Bury line elevations on fire hydrants shall be set to the elevations shown on the drawings. All fire hydrants shall be strapped and buttressed with concrete in accordance with standard details. Soil around the fire hydrant to be compacted in accordance with Section 5-15 of the Standard Specifications.
- Cost of strapping fire hydrants and valves to be included in the unit price bid for furnishing and installing fire hydrants.
- All horizontal controls are based on Maryland State Coordinates.
- All vertical controls are based on Maryland State Datum.

CAPITAL PROJECT W-4-8022
CONTRACT NO 652-W
GUILFORD ROAD - MARYLAND ROUTE 32
WATER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

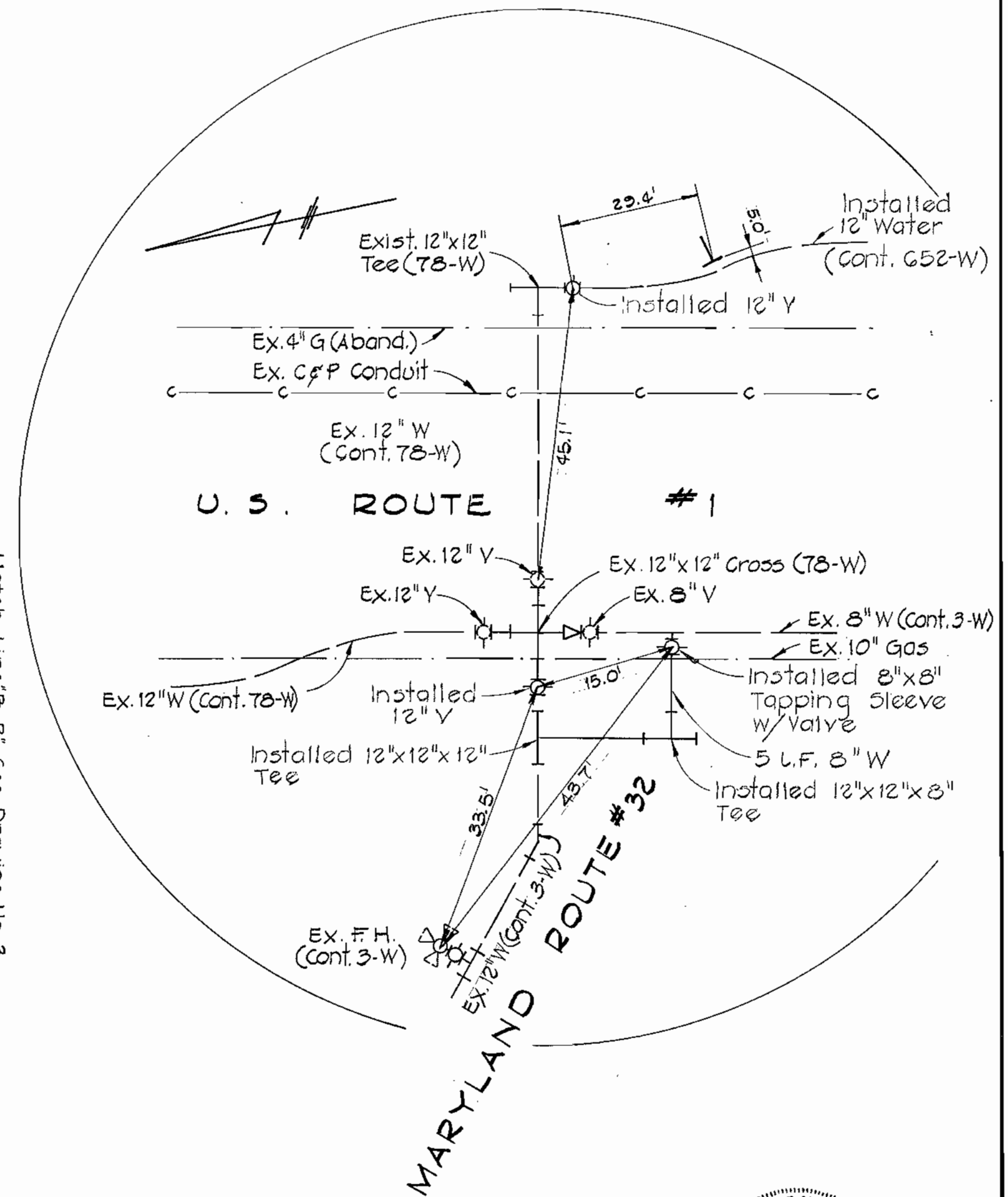
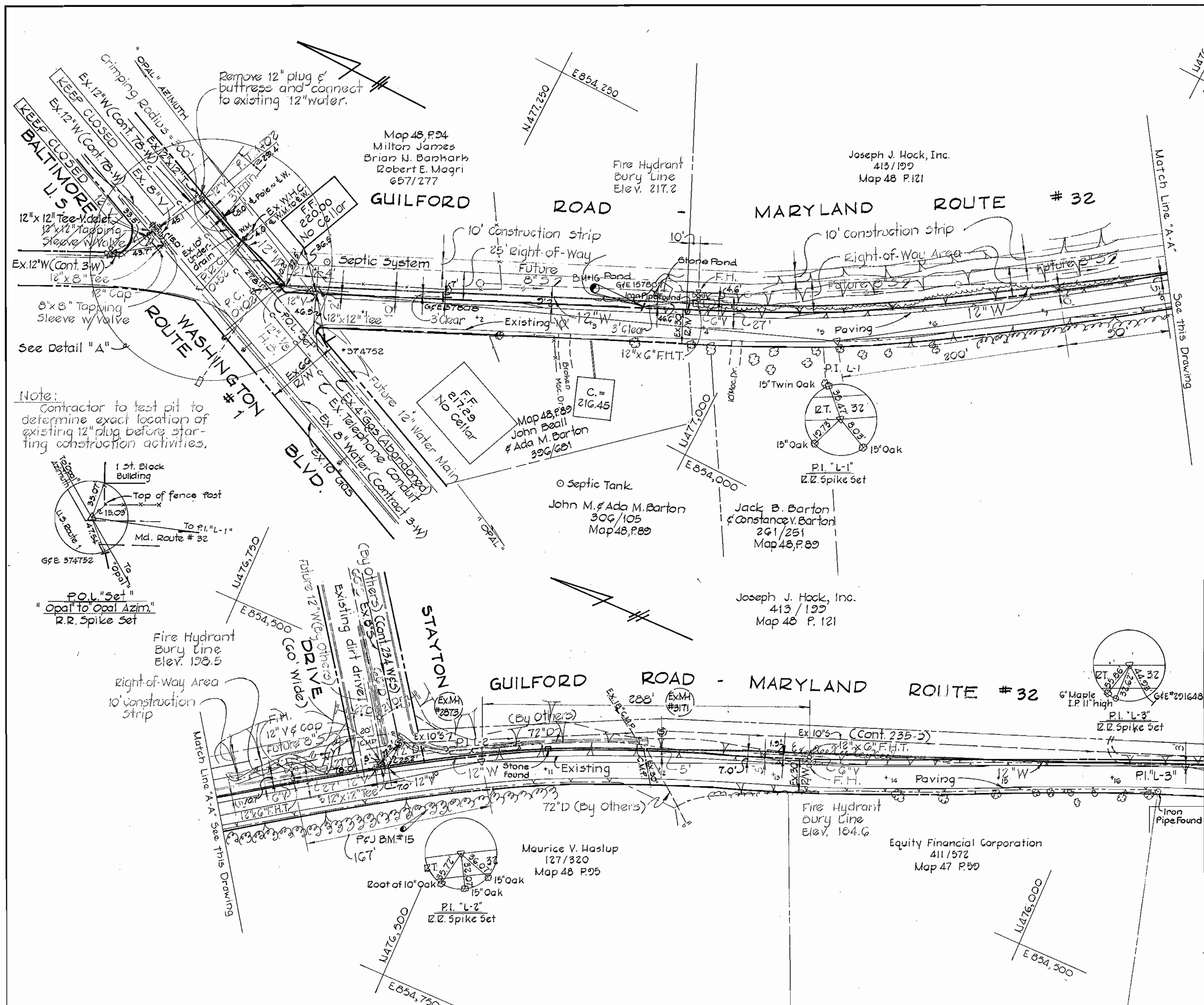


CONTRACT NO. 652-W
 MARYLAND ROUTE 32
 WATER MAIN EXTENSIONS
 HOWARD COUNTY CAPITAL PROJECT W-4-8022

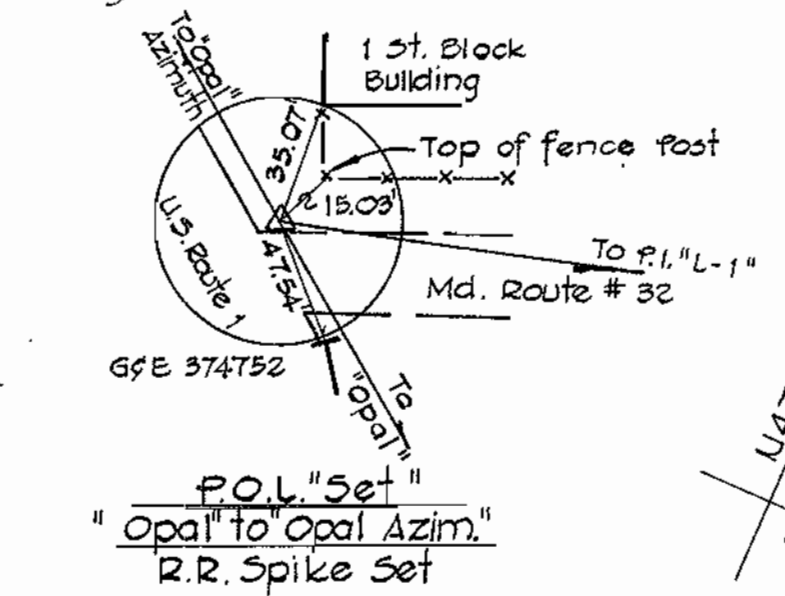
PURDUM & JESCHKE ENGINEERS 1023 N. CALVERT ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 10-16-75 DATE <i>W.O. Falbert</i> CHIEF-BUREAU OF ENGINEERING	CONTRACT NO. 652-W	VICINITY MAP	GUILFORD RD - MD. RT. 32 ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 1 OF 6	SCALE 1" = 600'

WS 652 W/1

"AS BUILT" June 15, 1976



Note:
Contractor to test pit to determine exact location of existing 12" plug before starting construction activities.



BENCH MARKS

- P & J BM #16 ELEV. 218.44
- RR SPIKE SET IN G & E POLL #157807
- 150'± N-W OF L-1
- P & J BM #15 ELEV. 187.97
- RR SPIKE SET IN 8" PINE 60'±
- SW OF L-2

DETAIL "A"

CONTRACT NO. 652-W
MARYLAND ROUTE 32,
WATER MAIN EXTENSIONS
HOWARD COUNTY CAPITAL PROJECT W-4-8022



PURDUM & JESCHKE
ENGINEERS
1023 N. CALVERT ST.
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
10-16-75
DATE

CONTRACT NO. 652-W

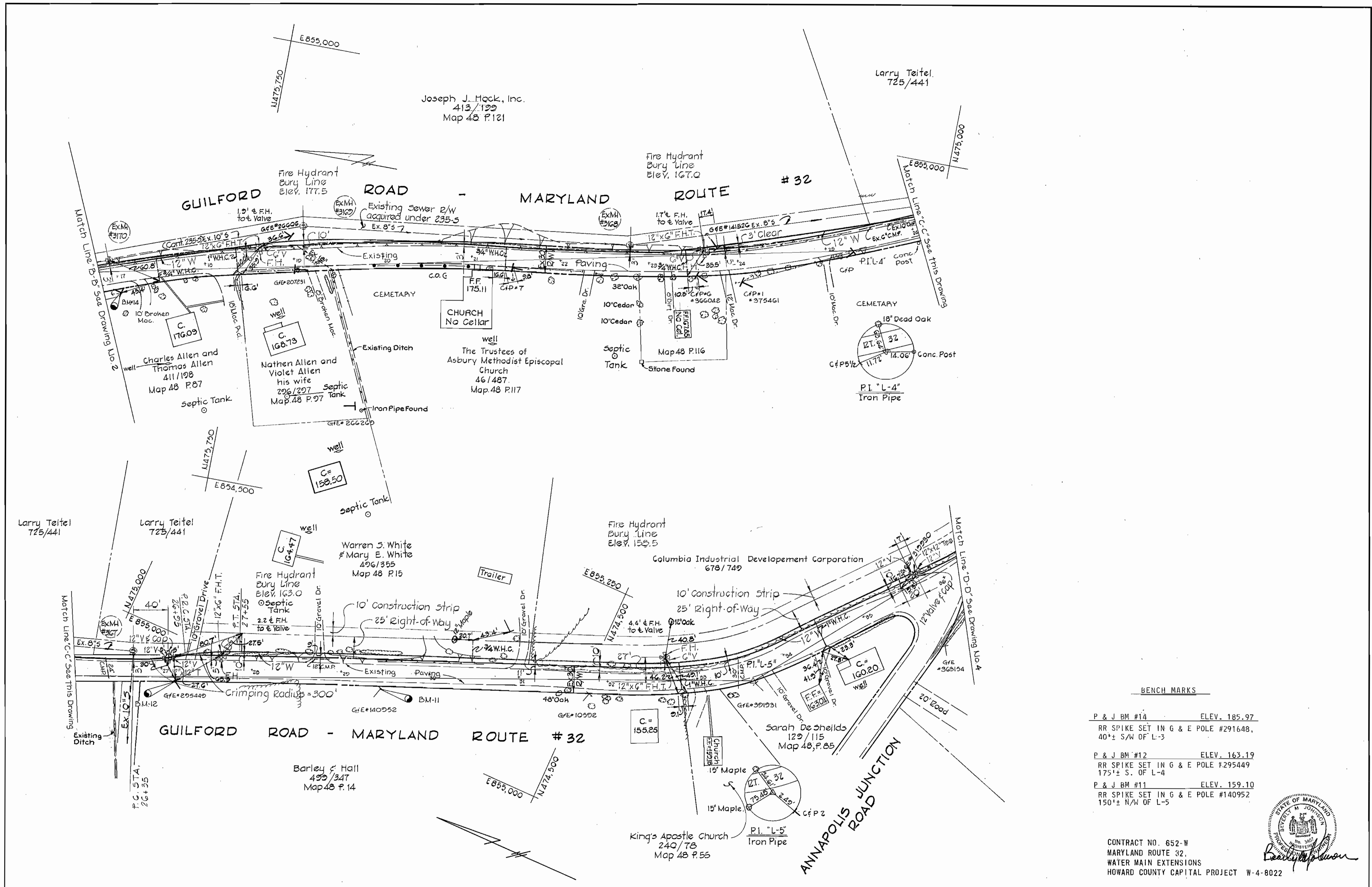
PLAN OF
WATER MAINS

GUILFORD RD. - MD. RT. 32
ELECTION DISTRICT GUILFORD NO. 6

DRAWING NO. 2 OF 6	SCALE 1" = 50'	DESIGNED: RDB
		DRAFTED: AEZ
		CHECKED: TAF

WS 652 W/2

WS 652 W/3



BENCH MARKS

P & J BM #14	ELEV. 185.97
RR SPIKE SET IN G & E POLE #291648,	40'± S/W OF L-3
P & J BM #12	ELEV. 163.19
RR SPIKE SET IN G & E POLE #295449	175'± S. OF L-4
P & J BM #11	ELEV. 159.10
RR SPIKE SET IN G & E POLE #140952	150'± N/W OF L-5



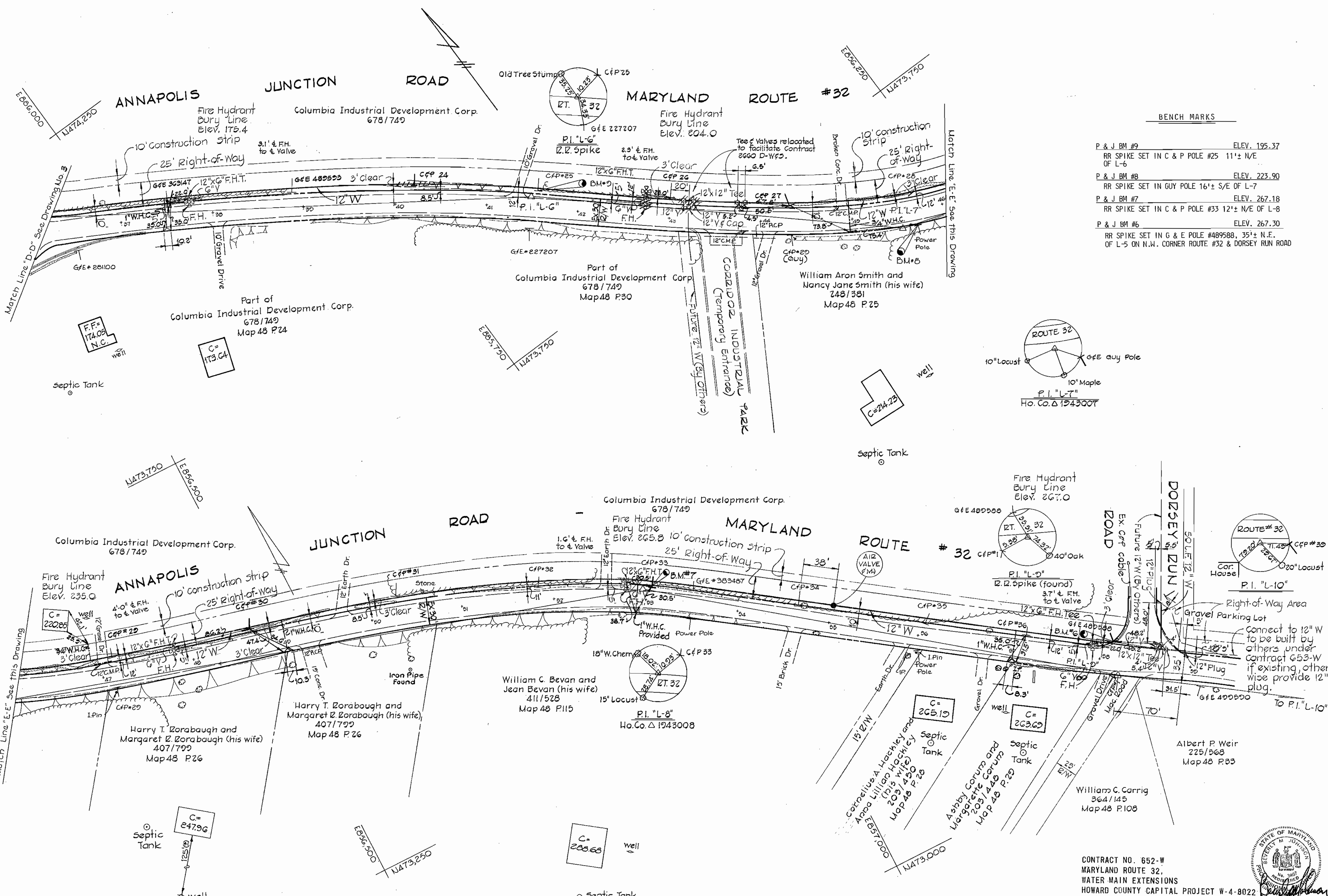
CONTRACT NO. 652-W
 MARYLAND ROUTE 32,
 WATER MAIN EXTENSIONS
 HOWARD COUNTY CAPITAL PROJECT W-4-8022

PURDUM & JESCHKE ENGINEERS 1023 N. CALVERT ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE: 10-16-75 <i>W.O. Gilbert</i> CHIEF BUREAU OF ENGINEERING	CONTRACT NO. 652-W	PLAN OF WATER MAINS	GUILFORD RD. - MD. RT. 32 ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 3	SCALE 1" = 50'	DESIGNED: RDB
					OF 6		DRAFTED: AEZ CHECKED: TAF

W.O.# 3369

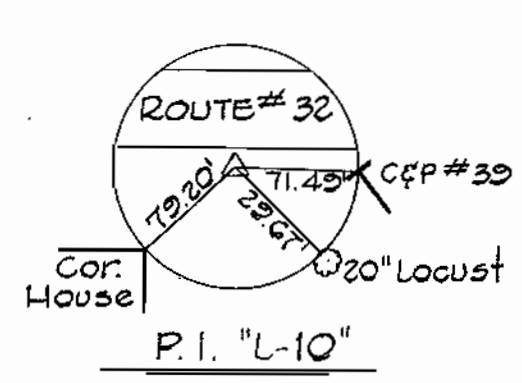
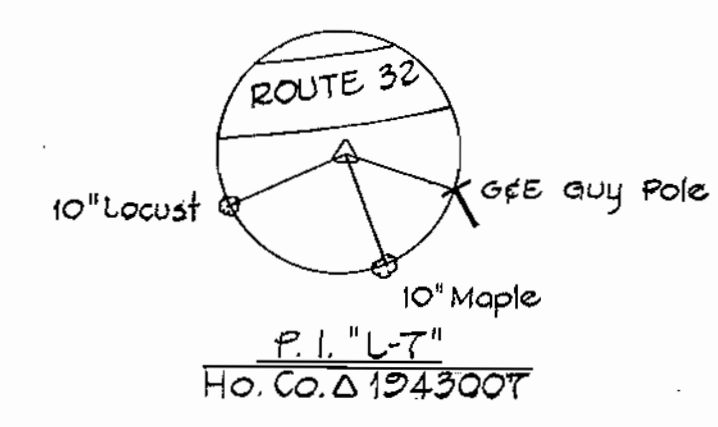
K&E BALTIMORE 17 0489 PHOEHIK MC 1316 12-10-75

AS BUILT June 15, 1976



BENCH MARKS

P & J BM #9	ELEV. 195.37
RR SPIKE SET IN C & P POLE #25	11'± N/E OF L-6
P & J BM #8	ELEV. 223.90
RR SPIKE SET IN GUY POLE #16	1/2 S/E OF L-7
P & J BM #7	ELEV. 267.18
RR SPIKE SET IN C & P POLE #33	12'± N/E OF L-8
P & J BM #6	ELEV. 267.30
RR SPIKE SET IN G & E POLE #489588	35'± N.E. OF L-5 ON N.W. CORNER ROUTE #32 & DORSEY RUN ROAD



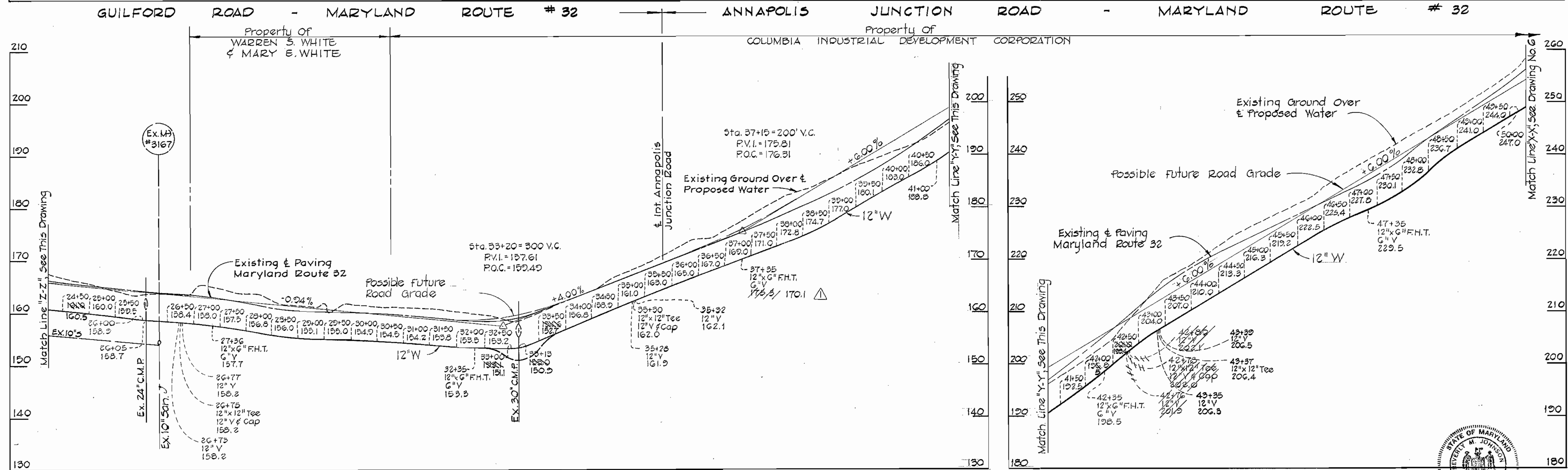
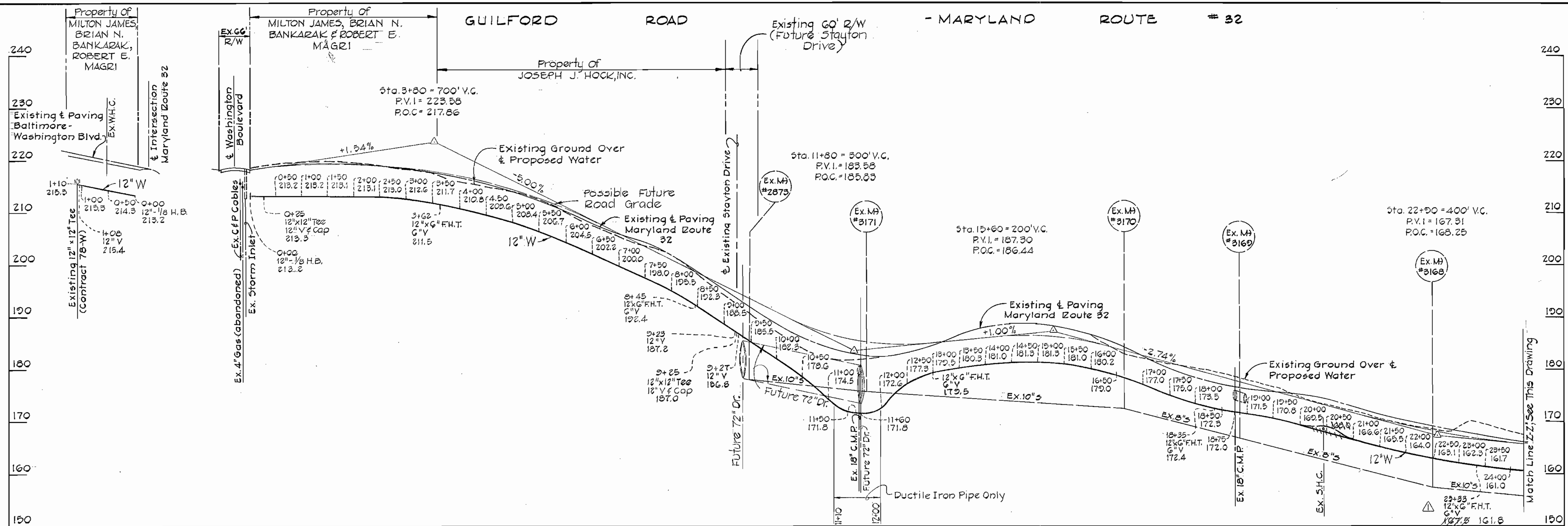
Right-of-Way Area
Gravel Parking Lot
Connect to 12" W to be built by others under contract 653-W if existing, otherwise provide 12" plug.
To P.I. "L-10"



CONTRACT NO. 652-W
MARYLAND ROUTE 32.
WATER MAIN EXTENSIONS
HOWARD COUNTY CAPITAL PROJECT W-4-8022

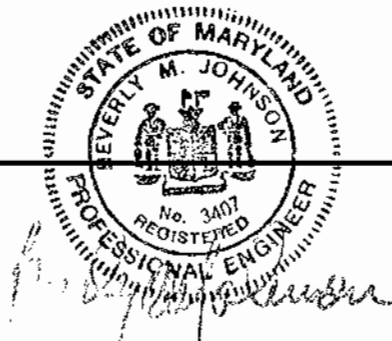
PURDUM & JESCHKE ENGINEERS 1023 N. CALVERT ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE 10-16-75 <i>W.O. Falbert</i> CHIEF-BUREAU OF ENGINEERING	CONTRACT NO. 652-W	PLAN OF WATER MAINS	GUILFORD RD. - MD: RT. 32 ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 4	SCALE 1" = 50'
					OF 8	

WS 652 W/4



REV.	DATE	REMARKS
1	7-76	F.H. Tee elevations changed at Sta. 23+35 and 37+35.

CONTRACT NO. 652-W MARYLAND ROUTE 32
 WATER MAIN EXTENSIONS
 HOWARD COUNTY CAPITAL
 PROJECT W-4-8022



PURDUM & JESCHKE
 ENGINEERS
 1023 N. CALVERT ST.
 BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE: 10-16-75
 W.C. Falbert
 CHIEF BUREAU OF ENGINEERING

CONTRACT NO. 652-W
 PROFILE OF WATER MAIN

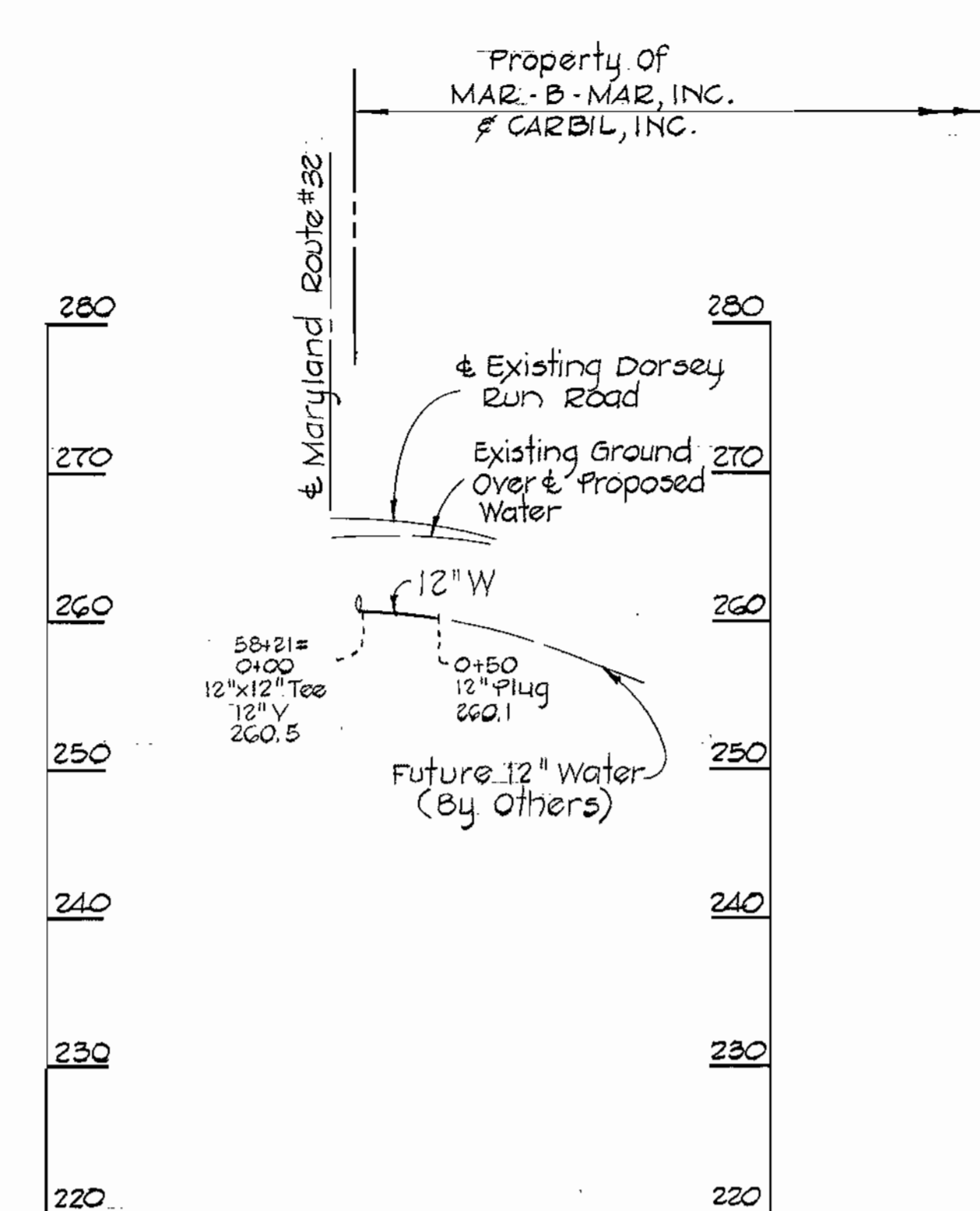
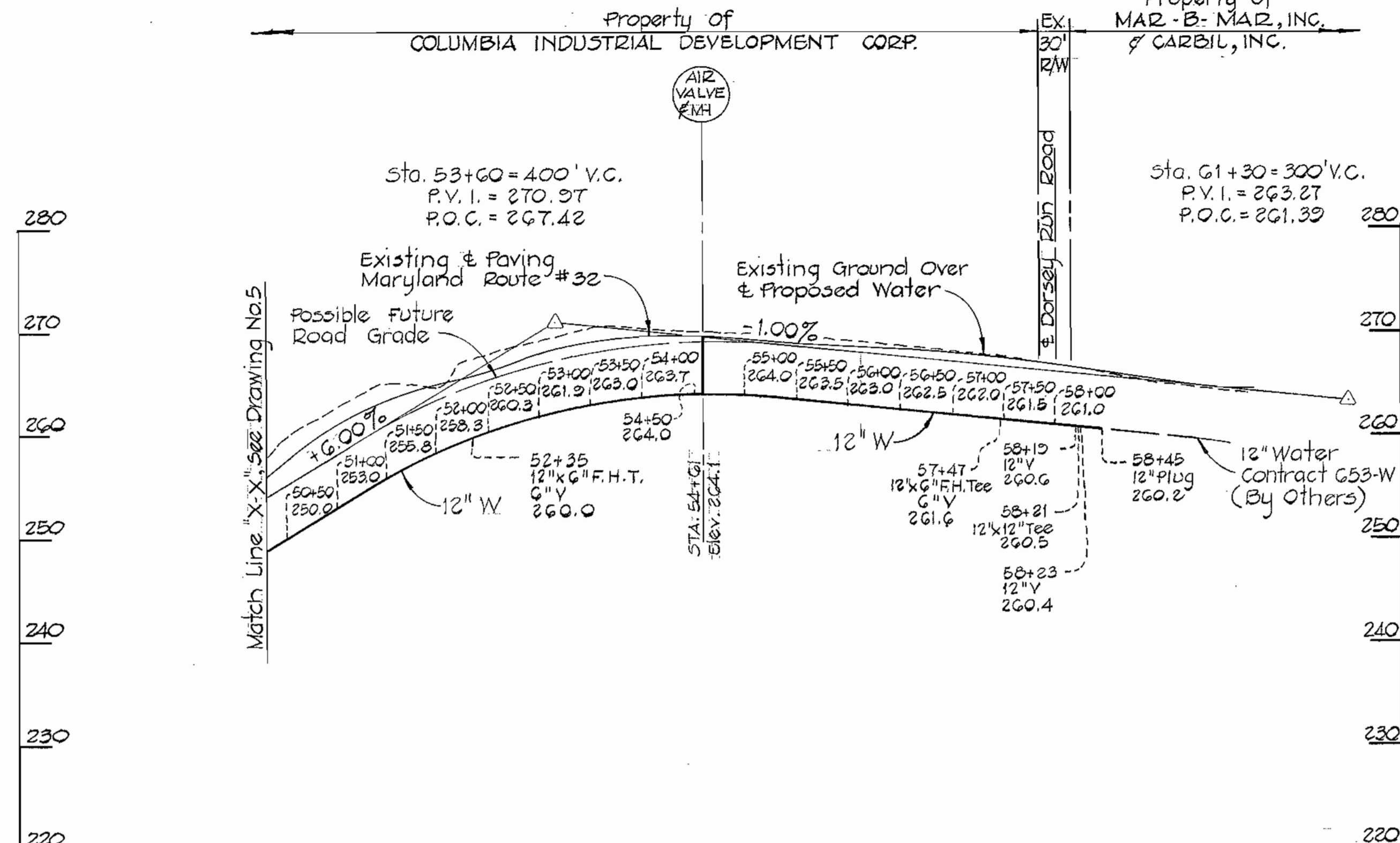
GUILFORD RD. - MD. RT. 32
 ELECTION DISTRICT GUILFORD NO. 6

DRAWING NO. 5 OF 6
 SCALE: HORZ: 1"=100' VERT: 1"=10'
 DESIGNED: RDR
 DRAFTED: AEZ
 CHECKED: TAF

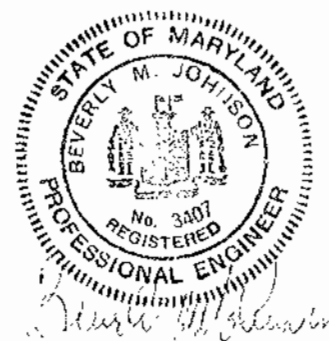
WS 652 W/5

ANNAPOLIS JUNCTION ROAD - MARYLAND ROUTE # 32

DORSEY RUN ROAD



CONTRACT NO. 652-W MARYLAND ROUTE 32
 WATER MAIN EXTENSIONS
 HOWARD COUNTY CAPITAL
 PROJECT W-4-8022



PURDUM & JESCHKE
 ENGINEERS
 1023 N. CALVERT ST.
 BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE 10-16-75
 W. O. Albert
 CHIEF BUREAU OF ENGINEERING

CONTRACT NO. 652-W

PROFILE OF
 WATER MAINS

GUILFORD RD. - MARYLAND ROUTE 32
 ELECTION DISTRICT GUILFORD NO. 6

DRAWING NO. 6 OF 6	SCALE HORZ: 1"=100' VERT: 1"=10'	DESIGNED: RDB
		DRAFTED: AEZ
		CHECKED: TAF

WS 652 W/6