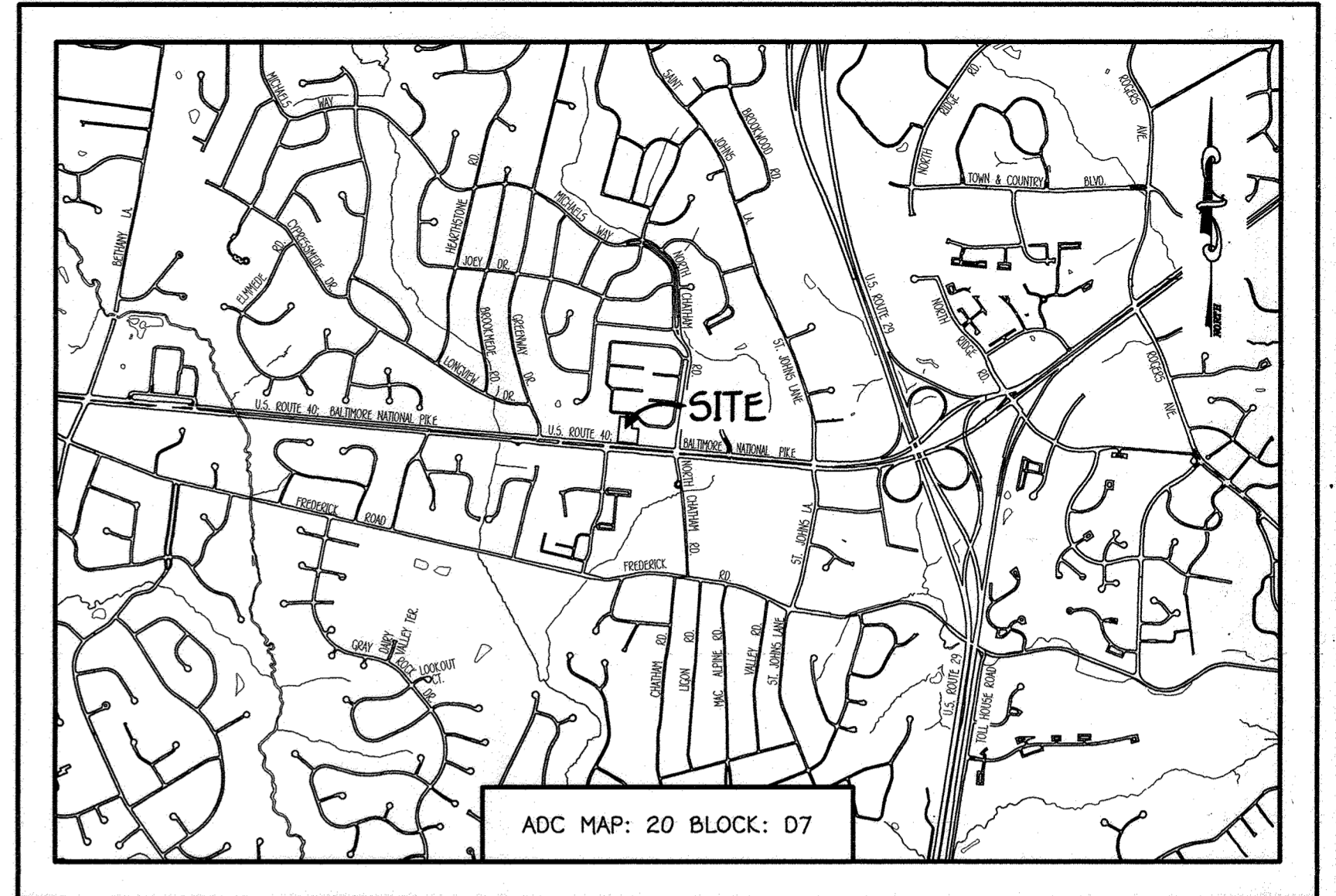
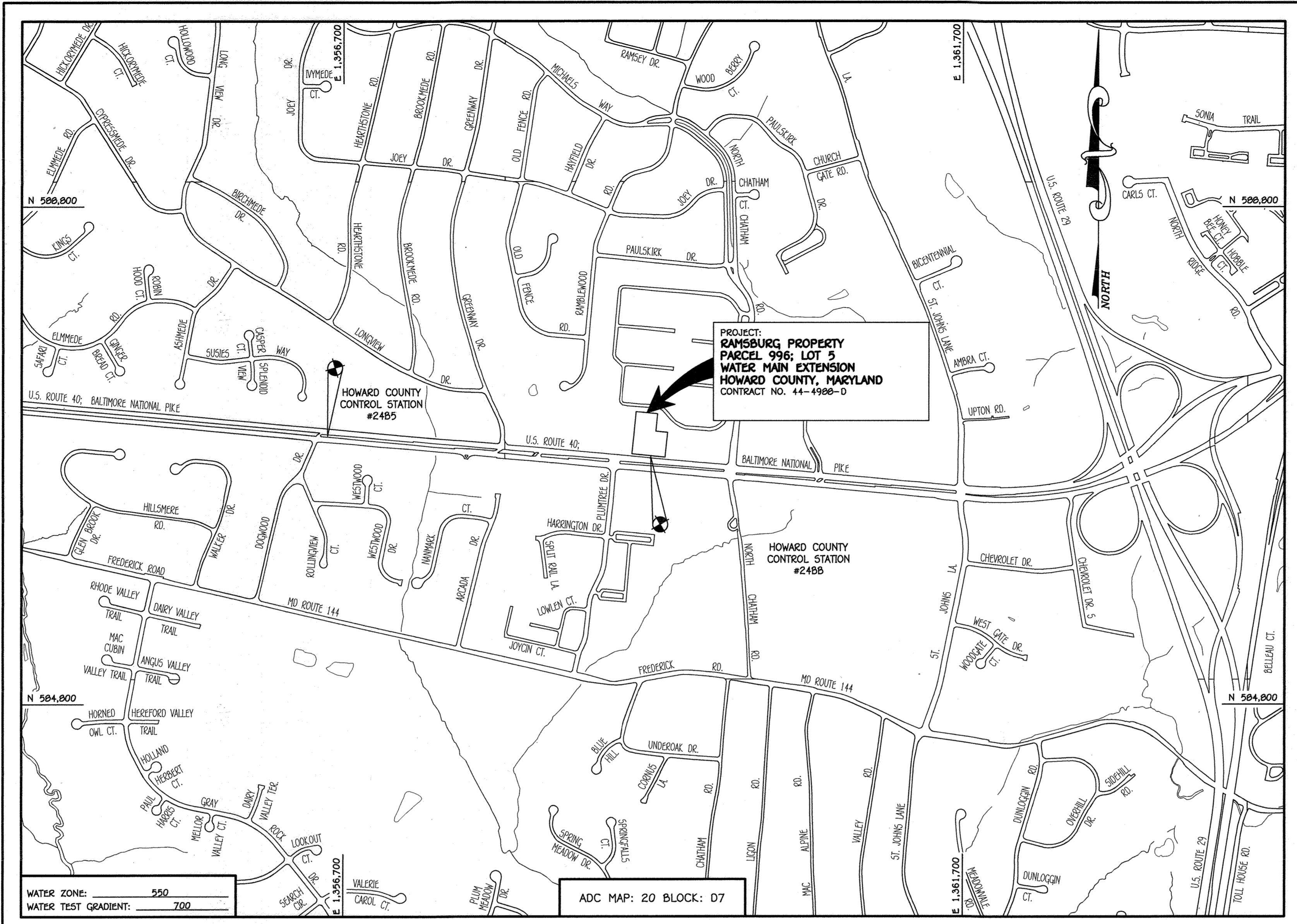


QUANTITIES				
ITEM	ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	SUPPLIER
6" C900 PVC DR-18	342 L.F.	342	C 900	NORTH AMERICAN
6" C900 PVC DR-18	42 L.F.	79	C 900	NORTH AMERICAN
8" X 6" F.H. TEE	1 EACH	1	M.T. REDUCER	STAR PIPE
8" X 6" TEE	1 EACH	1	M.T. TEE	STAR PIPE
6" VALVE	2 EACH	2	GATE VALVE	KENNEDY VALVE
6" VALVE	2 EACH	2	GATE VALVE	KENNEDY VALVE
6" PLUG & BUTTRESS	1 EACH	1	5-6"	STAR PIPE
6" PLUG & BUTTRESS	1 EACH	0		
FIRE HYDRANT	1 EACH	1	5-6"	KENNEDY VALVE
CONTINUITY TEST STATION	1 EACH	1		
CROSS (18" X 6" X 6")	1 EACH	1	M.T. CROSS	STAR PIPE

NAME OF UTILITY CONTRACTOR: **GAINES AND COMPANY**
 SURVEY & DRAFTING DIVISION AS-BUILT DATE: **FISHER, COLLINS & CARTER - 1/30/20**

BENCHMARK INFORMATION
 B.M.#1 - HOWARD COUNTY CONTROL STATION #2485 - HORIZONTAL - (NAD '83)
 (LOCATED ALONG ROUTE 40; BALTIMORE NATIONAL PIKE, IN THE CENTER MEDIAN EAST OF DOGWOOD DRIVE, APPROX. 28.9' FROM CL. OF EAST BOUND ROUTE 40)
 N 586,956.251
 E 1,356,570.890
 ELEVATION = 390.173 - VERTICAL - (NAVD '80)

B.M.#2 - HOWARD COUNTY CONTROL STATION #2486 - HORIZONTAL - (NAD '83)
 (LOCATED ALONG THE WEST SIDE OF ROUTE 40, EAST OF THE ENTRANCE FOR BOSTON MARKET, APPROX. 4.2' NORTH OF SIDEWALK)
 N 586,791.198
 E 1,359,181.241
 ELEVATION = 386.121 - VERTICAL - (NAVD '80)



GENERAL NOTES SCALE: 1" = 200'

VICINITY MAP SCALE: 1" = 200'

TYPE OF BUILDING:	EX. COMMERCIAL / PROPOSED STEAKHOUSE
NUMBER OF PARCELS:	1
NO. OF WATER HOUSE CONNECTIONS:	N/A
NO. OF SEWER HOUSE CONNECTIONS:	N/A
SEWER SHED:	PATAPSCO
TREATMENT PLANT:	PATAPSCO WASTEWATER TREATMENT PLANT BALTIMORE, MARYLAND

LOCATION MAP
 SCALE: 1" = 600'

PLAN REFERENCE NUMBERS:
 WP-16-078

DEVELOPER'S CERTIFICATION
 I/WE HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT THE DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

Paul W. Reichel; FOR:
MARYLAND INVESTMENT GROUP, LLC 04/13/17
 SIGNATURE OF DEVELOPER DATE

ENGINEER'S CERTIFICATION
 I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Paul W. Reichel 04-12-17
 SIGNATURE OF ENGINEER DATE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 309 OF THE HOWARD COUNTY DESIGN MANUAL - VOLUME IV: STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION AND AS SHOWN ON THESE PLANS.

Paul W. Reichel; FOR:
MARYLAND INVESTMENT GROUP, LLC 04/13/17
 SIGNATURE OF DEVELOPER DATE

THE HOWARD SOIL CONSERVATION DISTRICT HAS DETERMINED THAT THIS CONTRACT MEETS THE REQUIREMENTS FOR A STANDARD EROSION AND SEDIMENT CONTROL PLAN FOR MINOR DISTURBANCES BETWEEN 5,000 sq. ft. AND 30,000 sq. ft.

LEGEND	
SYMBOL	DESCRIPTION
---	EX. WATER MAIN
---	EX. SEWER MAIN
○	EX. SEWER MANHOLE
---	EX. SEWER, WATER & UTILITY EASEMENT
○	EX. FIRE HYDRANT
○	EX. VALVE
---	PROP. WATER MAIN
---	PROP. SEWER MAIN
○	PROP. SEWER MANHOLE
---	PROP. SEWER, WATER & UTILITY EASEMENT
---	PROP. WHC
---	PROP. SHC
○	PROP. FIRE HYDRANT
○	PROP. VALVE

CONTRACT NO. 44-4988-D

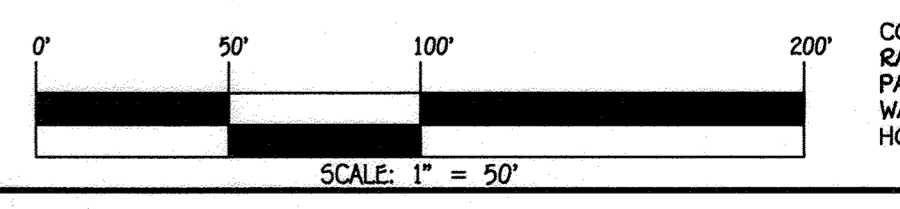
RAMSBURG PROPERTY

PARCEL 996; LOT 5

WATER MAIN EXTENSION

HOWARD COUNTY, MARYLAND

OWNER / DEVELOPER
 MARYLAND INVESTMENT GROUP, LLC
 9380 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MD 21042
 ATTN: MR. STEVE KANG
 410-977-7823



CONTRACT NO. 44-4988-D
 RAMSBURG PROPERTY
 PARCEL 996; LOT 5
 WATER MAIN EXTENSION
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

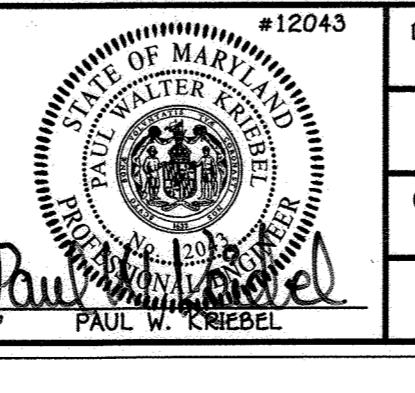
Paul W. Reichel 4/12/17
 CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND

Paul W. Reichel 6.6.17
 CHIEF, DEVELOPMENT ENGINEERING DIVISION M.G. DATE

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NO. 12043 EXPIRATION DATE IS 7/18/18

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461-2895



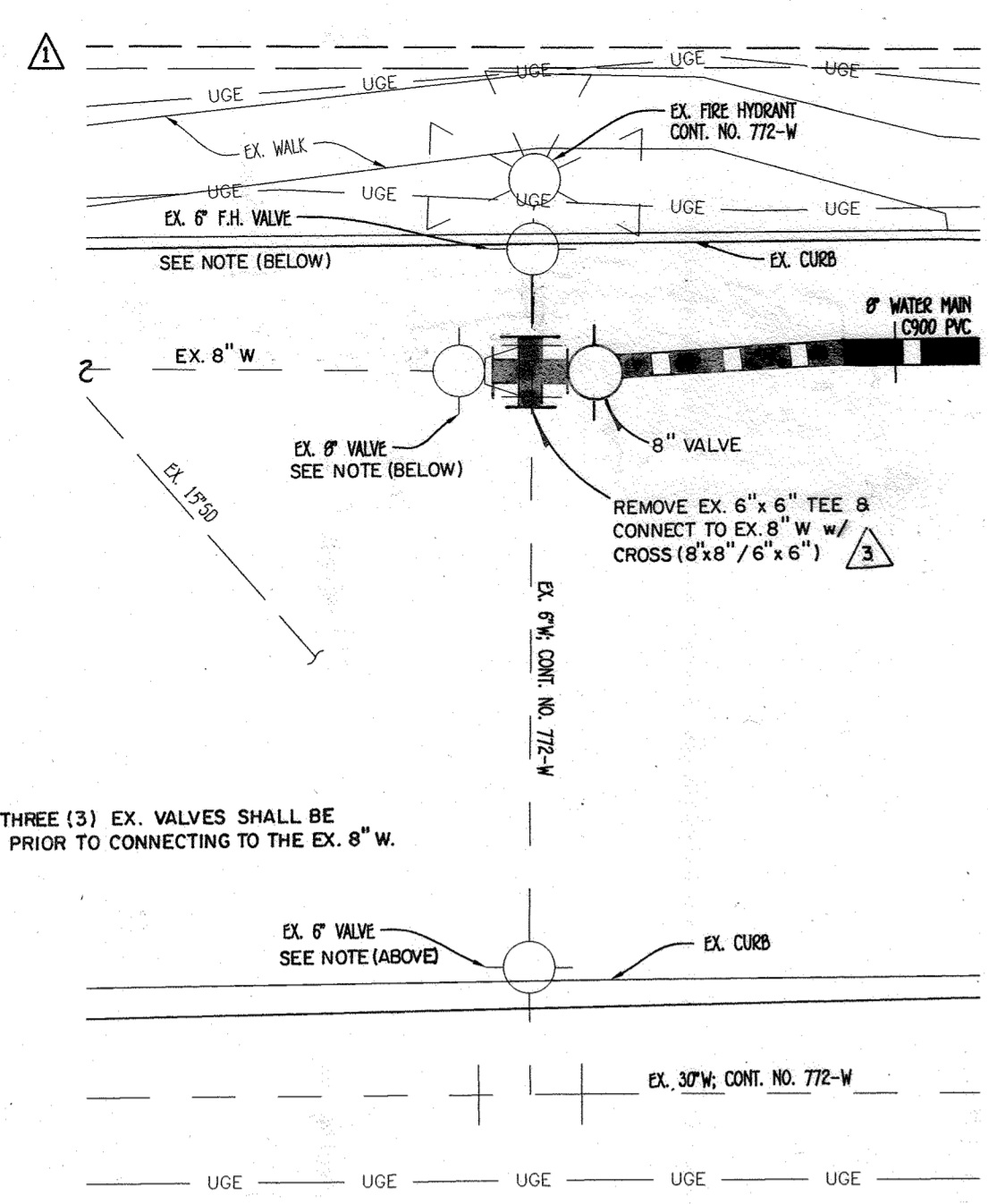
DESIGNED BY:	B.C.R.		
DRAWN BY:	B.C.R.		
CHECKED BY:	FCC	REVISE WATER MAIN QUANTITIES	3/12/20
	WCC	ADDED AS-BUILT INFORMATION	4/30/20
	PKC	REVISE 6" & 8" WATER MAIN QUANTITIES	1/10/18
DATE:	APRIL, 2017		
BY NO.		REVISION	DATE

WATER MAIN EXTENSION
TITLE SHEET

600' SCALE MAP NO. 24 BLOCK NO. 4
 F.C.C. WORK ORDER NO. 1603B
 FILE NAME: WATER MAIN EXTENSION PLAN

RAMSBURG PROPERTY
PARCEL 996; LOT 5
WATER MAIN EXTENSION
 CONTRACT NO. 44-4988-D
 SECOND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

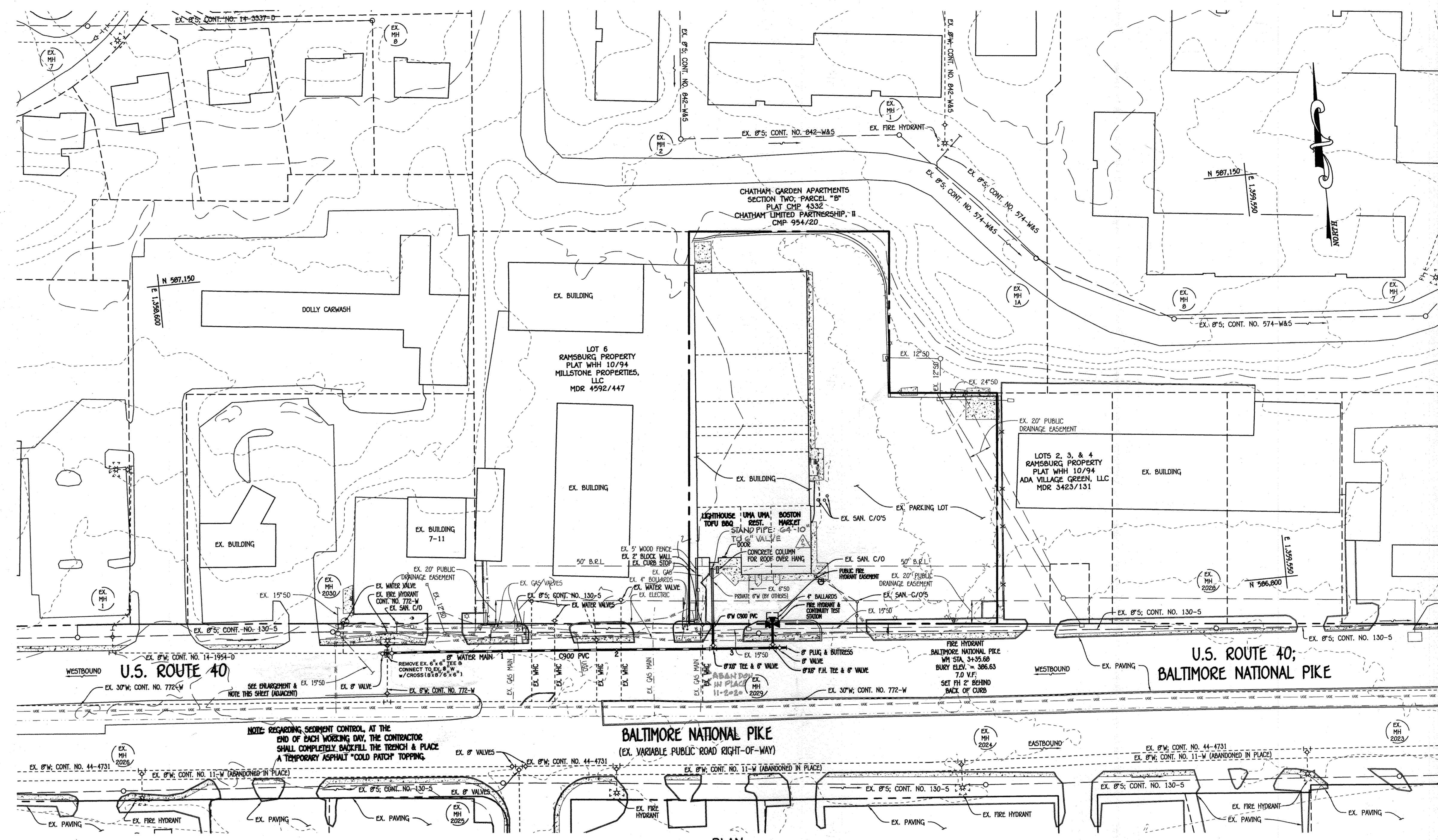
SCALE AS SHOWN
 SHEET 1 OF 3



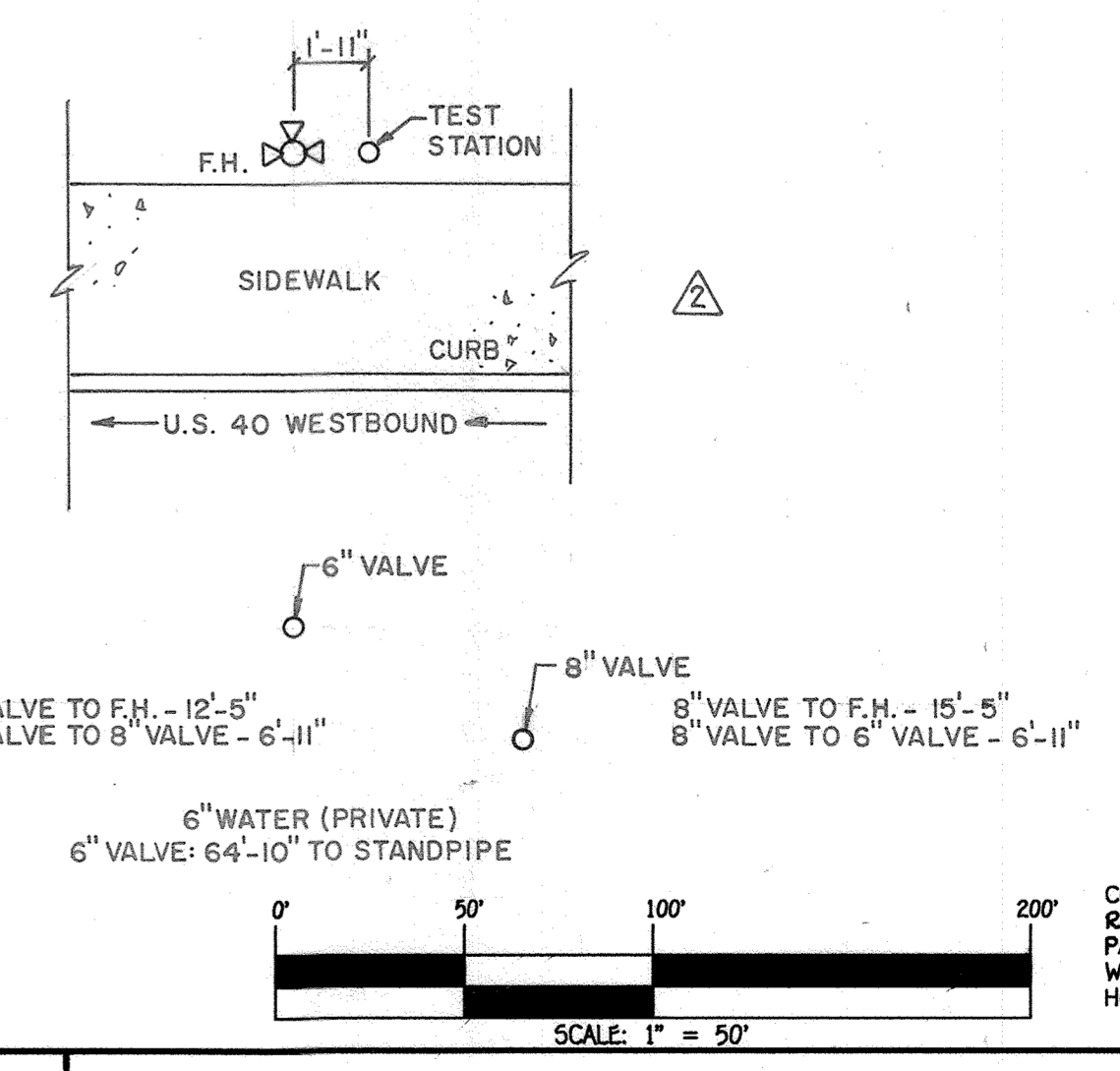
NOTE: THESE THREE (3) EX. VALVES SHALL BE CLOSED PRIOR TO CONNECTING TO THE EX. 8" W.

ENLARGEMENT: WATER MAIN TIE-IN
SCALE: 1" = 10'

NOTE: PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL CONDUCT A TEST PIT TO DETERMINE IF THERE IS ADEQUATE SPACE BETWEEN THE EX. 6" FIRE HYDRANT VALVE & THE EX. 8" VALVE TO ALLOW CONNECTION TO THE EX. 6" F.H. LEAD BY THE INSTALLATION OF A 6"x6" TAPPING SLEEVE & VALVE. IF ADEQUATE SPACE IS NOT AVAILABLE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER. THE ENGINEER WILL DETERMINE AN ALTERNATIVE COURSE OF ACTION, WHICH MAY INVOLVE RELOCATION OF THE EX. FIRE HYDRANT.

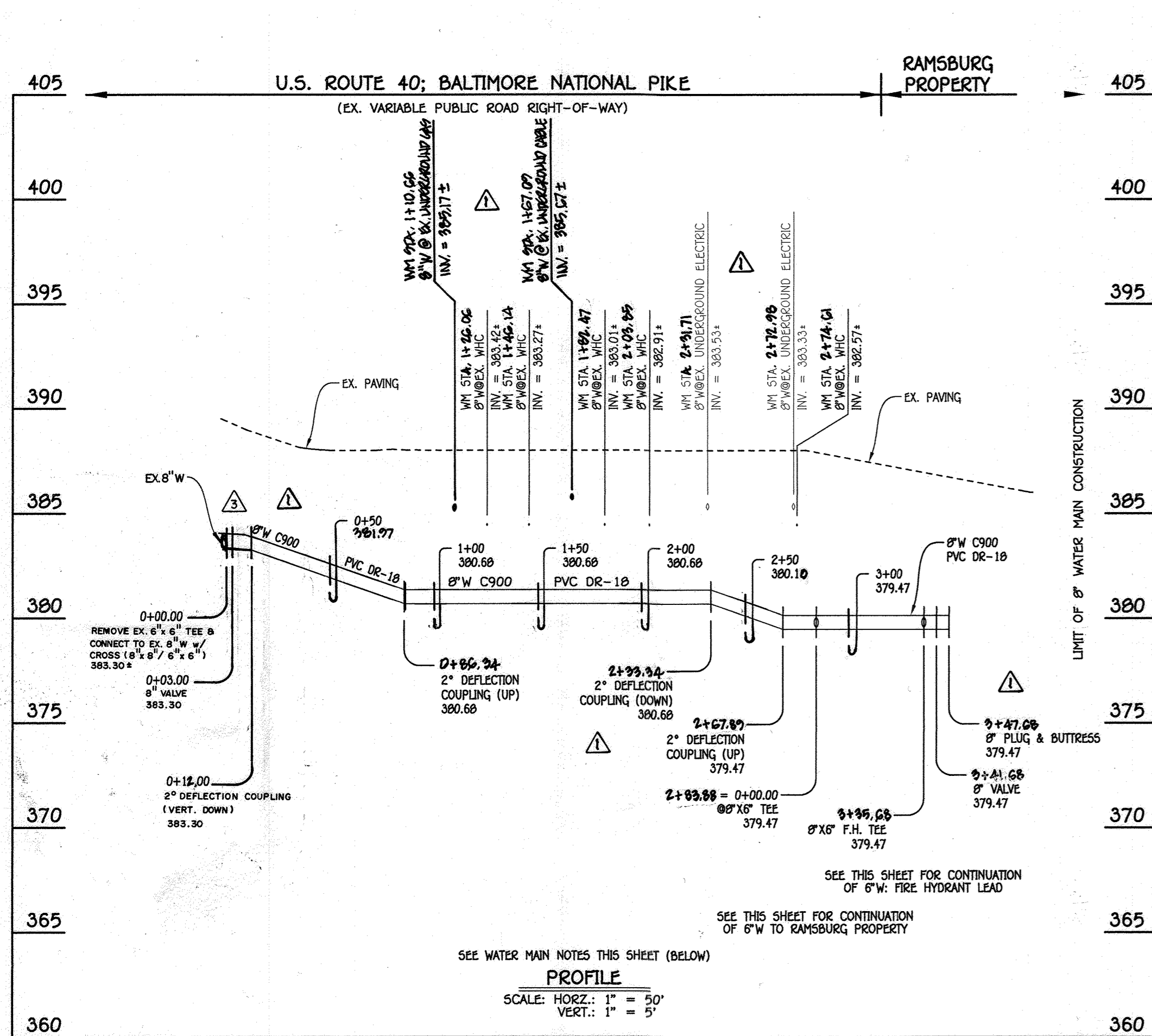


PLAN
SCALE: 1" = 50'



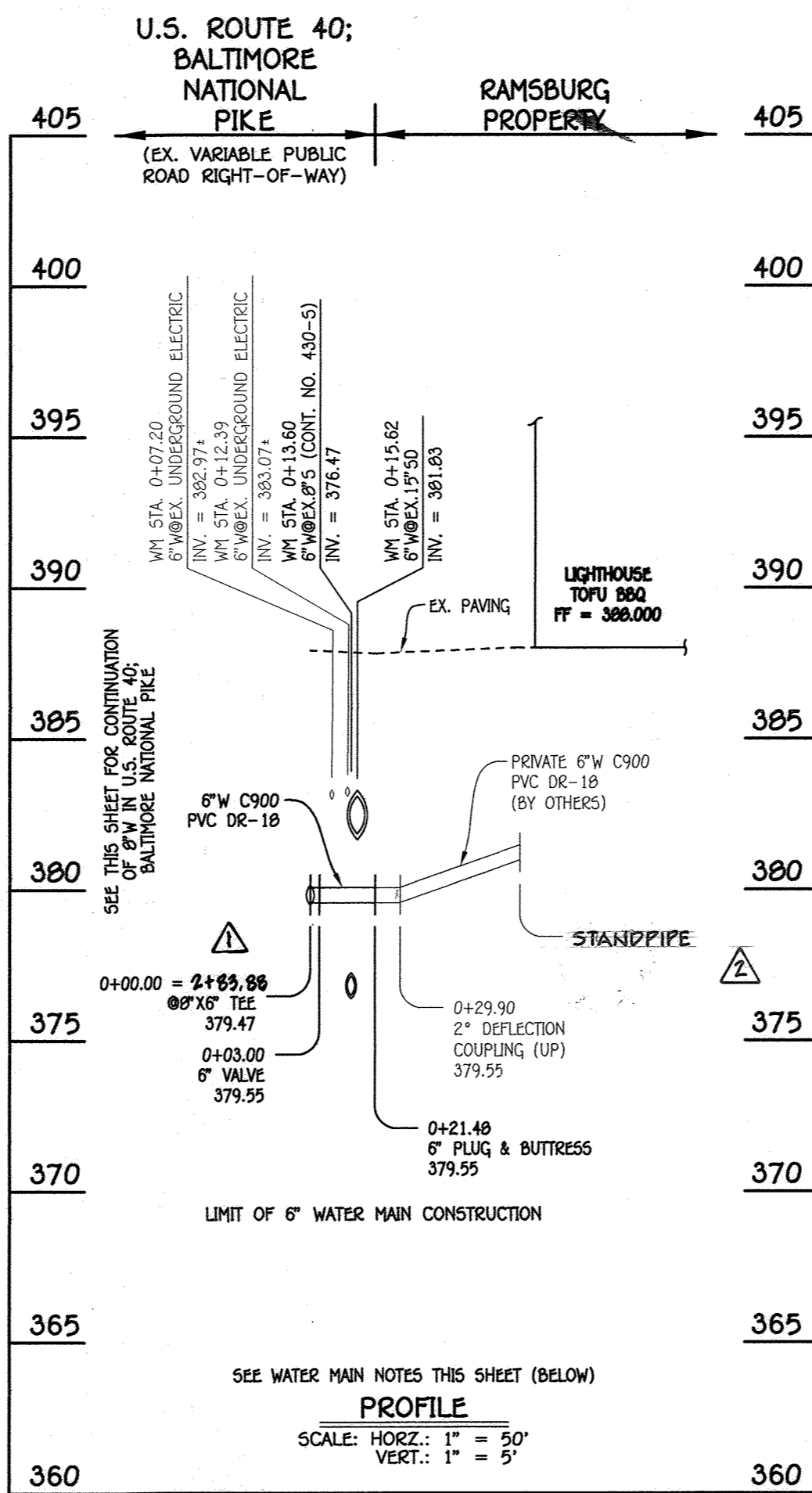
NOTE: THIS ORIGINAL CONSTRUCTION PLAN, SHEET 2 OF 3 SUPERSEDES THE WATER MAIN CONSTRUCTION PLAN PREVIOUSLY APPROVED AND SIGNED BY THE DEPARTMENT OF PLANNING AND ZONING ON JUNE 6, 2017.

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 		DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND 		I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 12043 EXPIRATION DATE IS 7/16/18. 		DESIGNED BY: B.C.R. DRAWN BY: B.C.R. CHECKED BY: P.W.K. DATE: JANUARY, 2018		WATER MAIN EXTENSION PLAN & ENLARGEMENT: WATER MAIN TIE-IN 600' SCALE MAP NO. 24 BLOCK NO. 4 F.C.C. WORK ORDER NO. 1603B FILE NAME: WATER MAIN EXTENSION PLAN		CONTRACT NO. 44-4980-D RAMSBURG PROPERTY PARCEL 996; LOT 5 WATER MAIN EXTENSION HOWARD COUNTY, MARYLAND SCALE AS SHOWN SHEET 2 OF 3	
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8" WATER MAIN: RAMSBURG PROPERTY

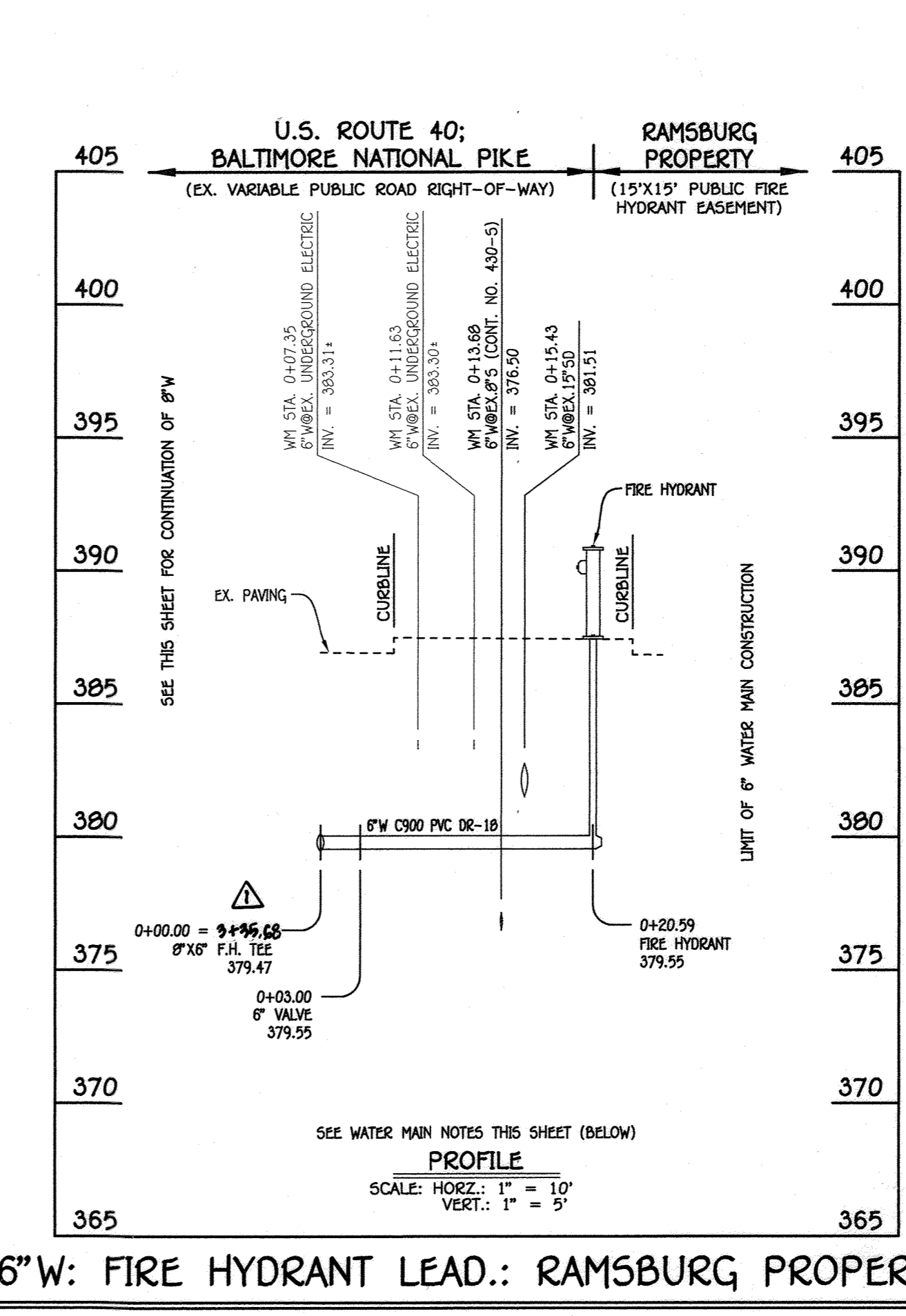
W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: RAMSBURG PROPERTY			
0+00.00	REMOVE EX. TEE/CONNECT W/CROSS	586812.72	1358785.54
0+03.00	8" VALVE	586812.47	1358768.53
0+12.00	2" DEFLECTION COUPLING (DOWN)	586814.90	1358777.89
2+03.00 = 0+00.00	8" X 6" TEE	586788.59	1359047.96
2+06.00	8" X 6" F.H. TEE	586784.02	1359099.56
3+01.00	8" VALVE	586783.50	1359105.53
3+07.00	8" PLUG & BUTTRESS	586782.97	1359111.51



6" WATER MAIN: RAMSBURG PROPERTY

W.M. STA.	APPURTENANCE	NORTHING	EASTING
6" WATER MAIN: RAMSBURG PROPERTY			
0+00.00 = 2+03.00	8" X 6" TEE	586788.59	1359047.96
0+03.00	8" VALVE	586791.57	1359048.22
0+21.00	6" PLUG & BUTTRESS	586809.98	1359049.85

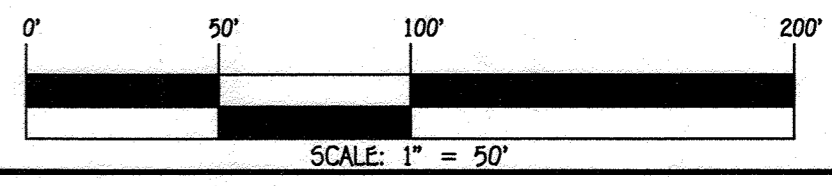
- WATER MAIN NOTES:**
- ALL WATER MAINS SHALL BE AWWA C900 PVC PIPE, DR-18.
 - ALL PIPE BEDDING, TRACER WIRE, LOCATING TAPE AND OTHER APPURTENANCES SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV - WATER AND SEWER STANDARDS FOR AWWA C900 PVC WATER PIPE INSTALLATION.
 - DEFLECTION COUPLINGS SHALL BE CERTAIN-TEED PVC HIGH DEFLECTION COUPLINGS.
 - ALL WATER HOUSE CONNECTIONS AND TAPS SHALL BE PERFORMED USING A SADDLE.



6" W: FIRE HYDRANT LEAD: RAMSBURG PROPERTY

W.M. STA.	APPURTENANCE	NORTHING	EASTING
6" W: FIRE HYDRANT LEAD: RAMSBURG PROPERTY			
0+00.00 = 2+03.00	8" X 6" F.H. TEE	586784.02	1359099.56
0+03.00	8" VALVE	586787.01	1359099.82
0+12.00	FIRE HYDRANT	586804.53	1359101.37

SEE SHEET 2 FOR SEDIMENT CONTROL NOTE

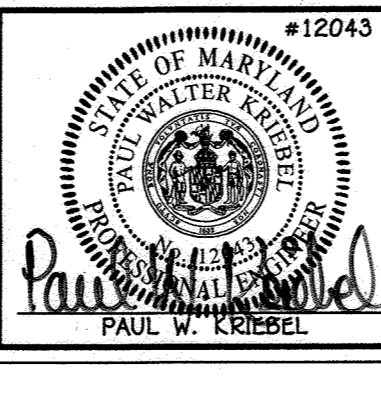


CONTRACT NO. 44-4900-D
RAMSBURG PROPERTY
PARCEL 996; LOT 5
WATER MAIN EXTENSION
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
[Signature]
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
[Signature]
CHIEF, DEVELOPMENT ENGINEERING DIVISION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 12043 EXPIRATION DATE IS 7/16/18.
FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CONTONAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
BELLTOWNE CITY, MARYLAND 21042
(410) 461-2929



DESIGNED BY: B.C.R.
DRAWN BY: B.C.R.
CHECKED BY: P.W.K.
DATE: APRIL 2017
BY NO. _____
REVISION _____

WATER MAIN EXTENSION
PROFILES, NOTES & CHARTS
600' SCALE MAP NO. 24 BLOCK NO. 4
F.C.C. WORK ORDER NO. 16038
FILE NAME: WATER MAIN EXTENSION PLAN

RAMSBURG PROPERTY
PARCEL 996; LOT 5
WATER MAIN EXTENSION
CONTRACT NO. 44-4900-D
SECOND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 3 OF 3

1/20/16:16038:Engineering:DWG:Sewer & Water:Contract No. 44-4900-D:Final:1:6038 Sewer & Water:Contract Plan.dwg