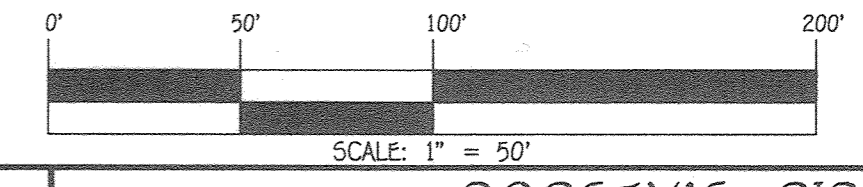


NOTE: PLAN VIEW EXTENDED ON SHEET 0

MATCH LINE SEE SHEET 0

**PLAN**

SCALE: 1" = 50'



CONTRACT NO. 14-5063-D  
DORSEY'S RIDGE  
LOTS 1 THRU 60 AND  
OPEN SPACE LOTS 5 THRU 8  
SEWER & WATER MAIN EXTENSIONS  
HOWARD COUNTY, MARYLAND

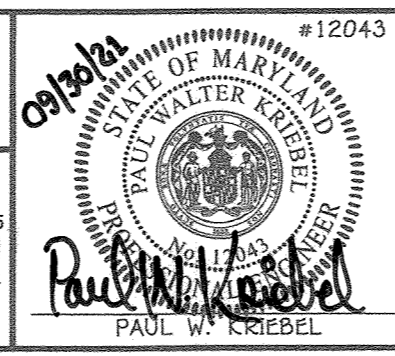
**REPLACEMENT SHEET**

NOTE: THIS ORIGINAL CONSTRUCTION PLAN, SHEET 2 OF 8, SUPERSEDES THE SEWER AND WATER MAIN CONSTRUCTION PLAN PREVIOUSLY APPROVED AND SIGNED BY THE DEPARTMENT OF PLANNING AND ZONING ON JUNE 2, 2021.

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
*[Signature]*  
CHIEF, BUREAU OF UTILITIES  
DATE: 10-6-21

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND  
*[Signature]*  
CHIEF, DEVELOPMENT ENGINEERING DIVISION  
DATE: 10-21-21

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. 12243 EXPIRATION DATE IS 7/31/22.  
**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELICOTT CITY, MARYLAND 21112  
(410) 461-2995

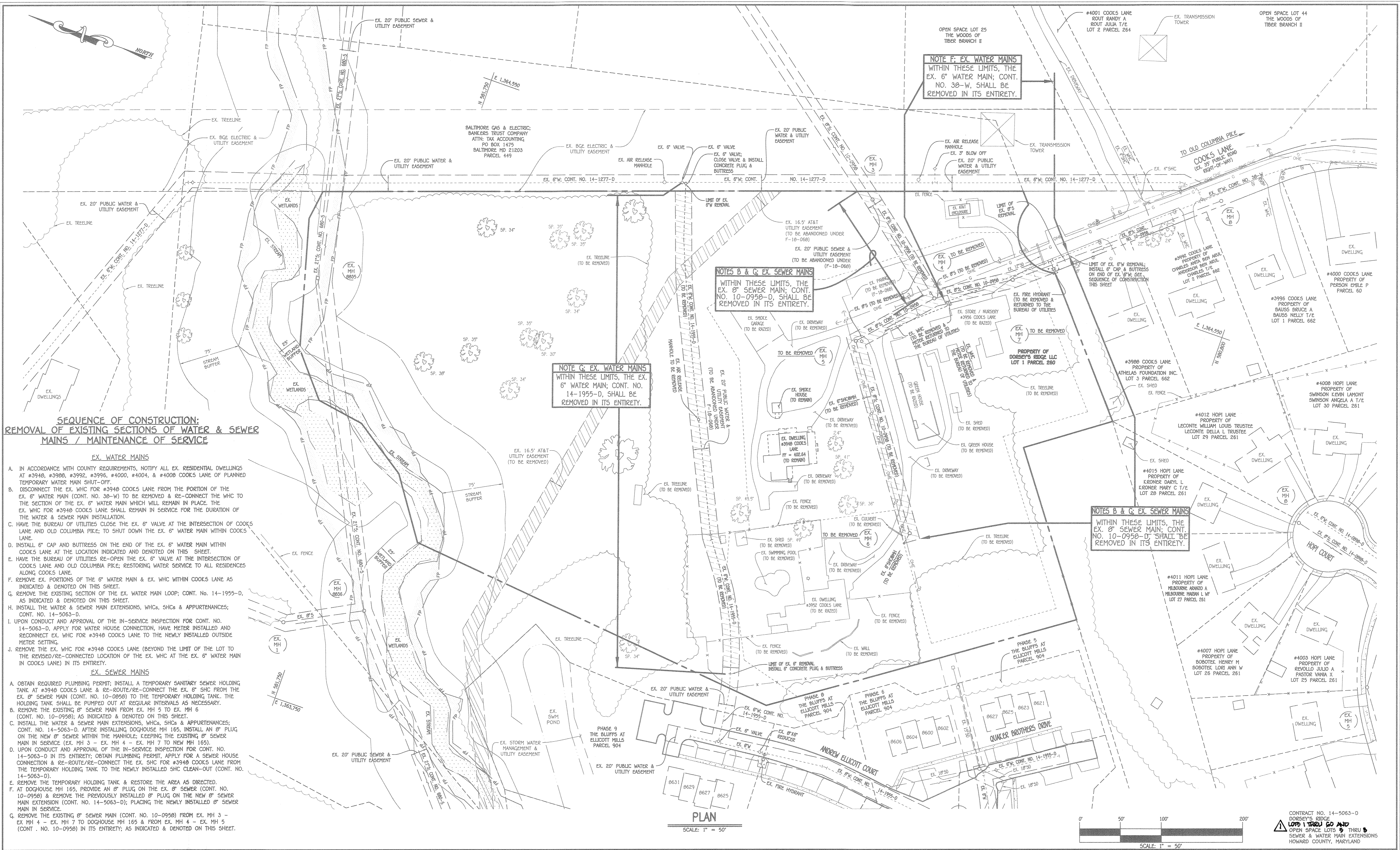


DESIGNED BY:	PKW	REDLINE NO.1: REPLACEMENT SHEET - W&S RELOCATION	6-1-21
DRAWN BY:	PKW	REDLINE NO.2: REPLACEMENT SHEET - W&S RELOCATION	08-2021
CHECKED BY:	P.W.K.	REVIEWED SECTION OF EX. G.W.	11/29/21
DATE:	SEPTEMBER, 2021		
BY NO.		REVISION	DATE

<b>SEWER &amp; WATER MAIN EXTENSIONS PLAN</b>	
600' SCALE MAP NO. 24	BLOCK NO. 18
F.C.C. WORK ORDER NO. 15000	
FILE NAME: SEWER & WATER MAIN EXTENSION PLAN	

SCALE AS SHOWN  
SHEET 2 OF 8

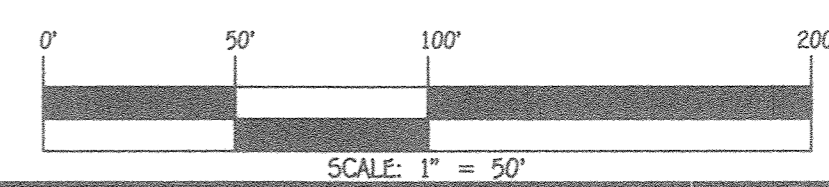




**SEQUENCE OF CONSTRUCTION:  
REMOVAL OF EXISTING SECTIONS OF WATER & SEWER  
MAINS / MAINTENANCE OF SERVICE**

- EX. WATER MAINS**
- IN ACCORDANCE WITH COUNTY REQUIREMENTS, NOTIFY ALL EX. RESIDENTIAL DWELLINGS AT #3948, #3986, #3992, #3996, #4000, #4004, & #4008 COOKS LANE OF PLANNED TEMPORARY WATER MAIN SHUT-OFF.
  - DISCONNECT THE EX. WHC FOR #3948 COOKS LANE FROM THE PORTION OF THE EX. 6" WATER MAIN (CONT. NO. 38-W) TO BE REMOVED & RE-CONNECT THE WHC TO THE SECTION OF THE EX. 6" WATER MAIN WHICH WILL REMAIN IN PLACE. THE EX. WHC FOR #3948 COOKS LANE SHALL REMAIN IN SERVICE FOR THE DURATION OF THE WATER & SEWER MAIN INSTALLATION.
  - HAVE THE BUREAU OF UTILITIES CLOSE THE EX. 6" VALVE AT THE INTERSECTION OF COOKS LANE AND OLD COLUMBIA PIKE; TO SHUT DOWN THE EX. 6" WATER MAIN WITHIN COOKS LANE.
  - INSTALL 6" CAP AND BUTTRESS ON THE END OF THE EX. 6" WATER MAIN WITHIN COOKS LANE AT THE LOCATION INDICATED AND DENOTED ON THIS SHEET.
  - HAVE THE BUREAU OF UTILITIES RE-OPEN THE EX. 6" VALVE AT THE INTERSECTION OF COOKS LANE AND OLD COLUMBIA PIKE; RESTORING WATER SERVICE TO ALL RESIDENCES ALONG COOKS LANE.
  - REMOVE EX. PORTIONS OF THE 6" WATER MAIN & EX. WHC WITHIN COOKS LANE AS INDICATED & DENOTED ON THIS SHEET.
  - REMOVE THE EXISTING SECTION OF THE EX. WATER MAIN LOOP; CONT. NO. 14-1955-D, AS INDICATED & DENOTED ON THIS SHEET.
  - INSTALL THE WATER & SEWER MAIN EXTENSIONS, WHCs, SHCs & APPURTENANCES; CONT. NO. 14-5063-D.
  - UPON CONDUCT AND APPROVAL OF THE IN-SERVICE INSPECTION FOR CONT. NO. 14-5063-D, APPLY FOR WATER HOUSE CONNECTION, HAVE METER INSTALLED AND RECONNECT EX. WHC FOR #3948 COOKS LANE TO THE NEWLY INSTALLED OUTSIDE METER SETTING.
  - REMOVE THE EX. WHC FOR #3948 COOKS LANE (BEYOND THE LIMIT OF THE LOT TO THE REVISED/RE-CONNECTED LOCATION OF THE EX. WHC AT THE EX. 6" WATER MAIN IN COOKS LANE) IN ITS ENTIRETY.
- EX. SEWER MAINS**
- OBTAIN REQUIRED PLUMBING PERMIT; INSTALL A TEMPORARY SANITARY SEWER HOLDING TANK AT #3948 COOKS LANE & RE-ROUTE/RE-CONNECT THE EX. 8" SHC FROM THE EX. 8" SEWER MAIN (CONT. NO. 10-0958) TO THE TEMPORARY HOLDING TANK. THE HOLDING TANK SHALL BE PUMPED OUT AT REGULAR INTERVALS AS NECESSARY.
  - REMOVE THE EXISTING 8" SEWER MAIN FROM EX. MH 5 TO EX. MH 6 (CONT. NO. 10-0958); AS INDICATED & DENOTED ON THIS SHEET.
  - INSTALL THE WATER & SEWER MAIN EXTENSIONS, WHCs, SHCs & APPURTENANCES; CONT. NO. 14-5063-D. AFTER INSTALLING DOGHOUSE MH 165, INSTALL AN 8" PLUG ON THE NEW 8" SEWER WITHIN THE MANHOLE; KEEPING THE EXISTING 8" SEWER MAIN IN SERVICE (EX. MH 3 - EX. MH 4 - EX. MH 7 TO NEW MH 165).
  - UPON CONDUCT AND APPROVAL OF THE IN-SERVICE INSPECTION FOR CONT. NO. 14-5063-D IN ITS ENTIRETY; OBTAIN PLUMBING PERMIT, APPLY FOR A SEWER HOUSE CONNECTION & RE-ROUTE/RE-CONNECT THE EX. SHC FOR #3948 COOKS LANE FROM THE TEMPORARY HOLDING TANK TO THE NEWLY INSTALLED SHC CLEAN-OUT (CONT. NO. 14-5063-D).
  - REMOVE THE TEMPORARY HOLDING TANK & RESTORE THE AREA AS DIRECTED.
  - AT DOGHOUSE MH 165, PROVIDE AN 8" PLUG ON THE EX. 8" SEWER (CONT. NO. 10-0958) & REMOVE THE PREVIOUSLY INSTALLED 8" PLUG ON THE NEW 8" SEWER MAIN EXTENSION (CONT. NO. 14-5063-D); PLACING THE NEWLY INSTALLED 8" SEWER MAIN IN SERVICE.
  - REMOVE THE EXISTING 8" SEWER MAIN (CONT. NO. 10-0958) FROM EX. MH 3 - EX. MH 4 - EX. MH 7 TO DOGHOUSE MH 165 & FROM EX. MH 4 - EX. MH 5 (CONT. NO. 10-0958) IN ITS ENTIRETY; AS INDICATED & DENOTED ON THIS SHEET.

**PLAN**  
SCALE: 1" = 50'



DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

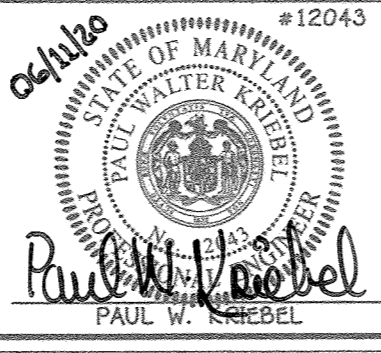
*[Signature]*  
6/23/2020  
DATE

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

*[Signature]*  
7.23.20  
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 5/7/16/20.

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PARK  
ELICOTT CITY, MARYLAND 21142  
(410) 461-2999



DESIGNED BY:	B.C.R.	
DRAWN BY:	B.C.R.	
CHECKED BY:	P.W.C.	
DATE:	JUNE, 2020	
BY NO.		
REVISION		

**DEMO PLAN & SEQUENCES OF CONSTRUCTION: NOTES**

600' SCALE MAP NO. 24 BLOCK NO. 18  
F.C.C. WORK ORDER NO. 15000

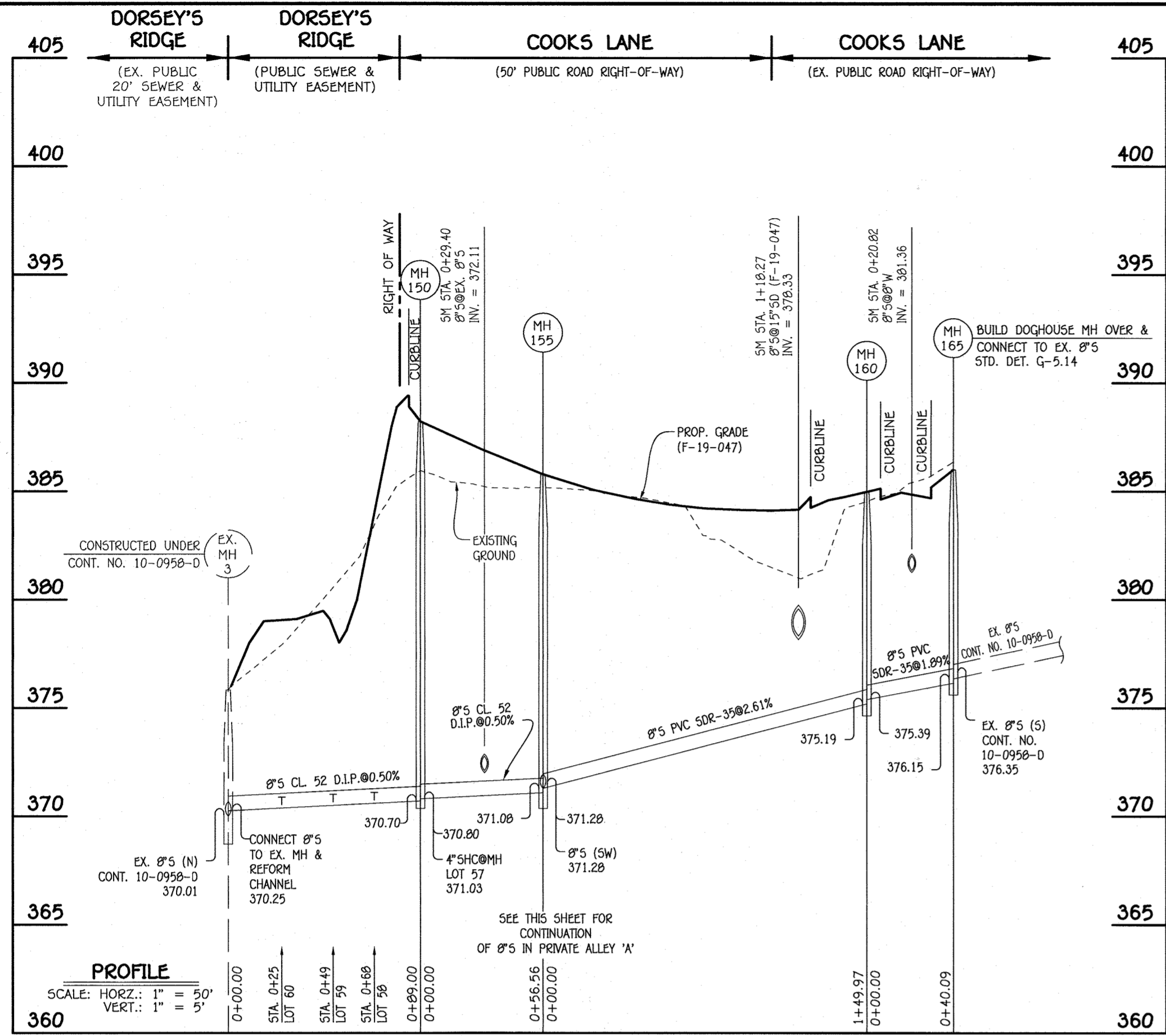
FILE NAME: SEWER & WATER MAIN EXTENSION PLAN

**DORSEY'S RIDGE**  
**LOTS 1 THRU 60 AND**  
**OPEN SPACE LOTS 5 THRU 8**  
SEWER & WATER MAIN EXTENSIONS  
CONTRACT NO. 14-5063-D  
SECOND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 3 OF 8

1:2001 15:0000.dwg 15:0000 Sewer & Water Contract Plan.dwg, DEMO Plan Sheet 3, 11



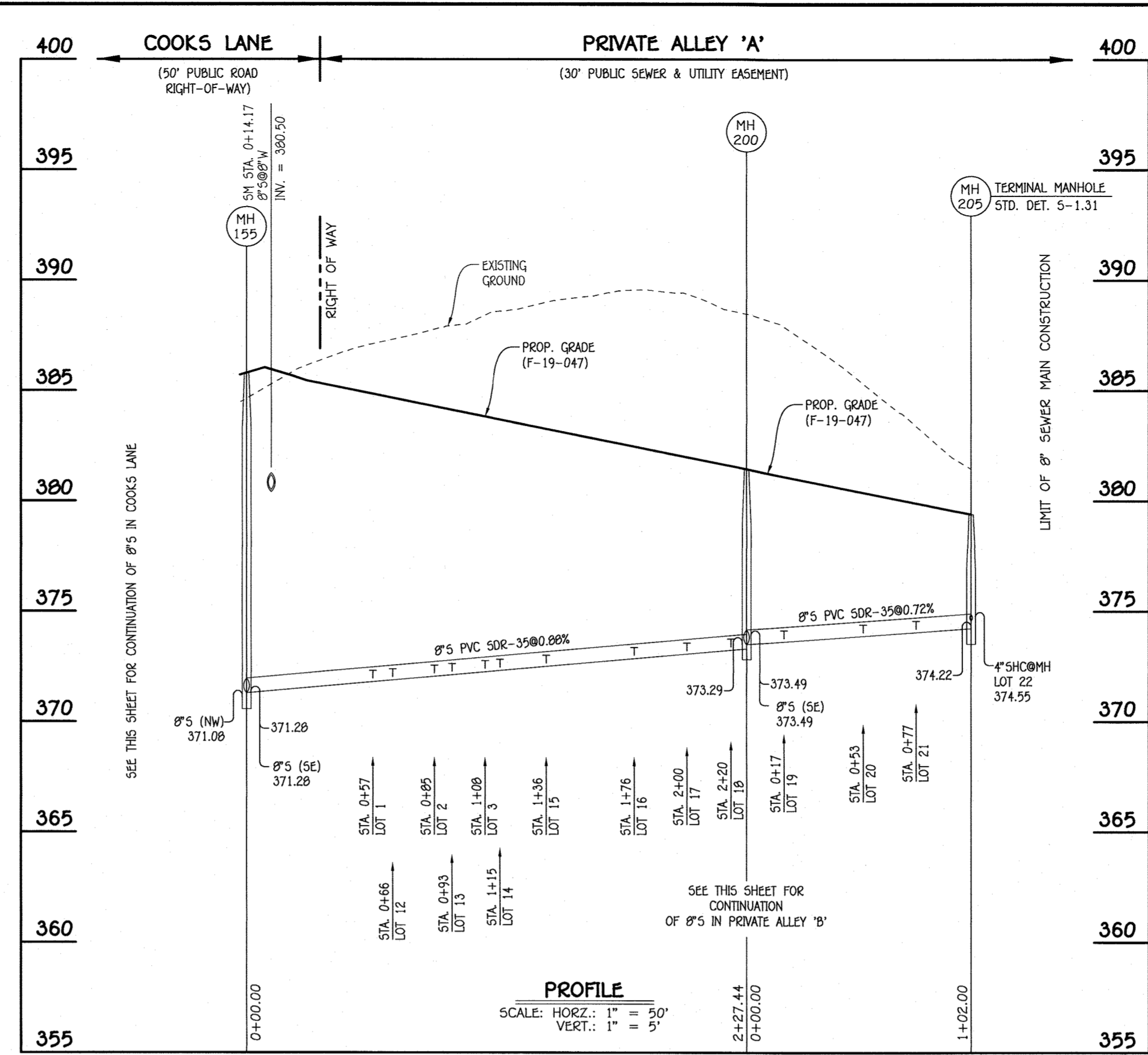


8" SEWER MAIN; COOKS LANE: EX. MH 3 TO MH 165

MANHOLE TABULATION CHART			
NO.	NORTHING	EASTING	RIM ELEVATION
150	581211.67	1364493.00	388.22
155	581211.67	1364493.00	385.78
160	581039.07	1364606.41	384.97
165	581013.33	1364575.68	386.00

NOTE: SET MH RIMS FLUSH W/PROPOSED GRADE.

SEWER HOUSE CONNECTION CHART						
STATION	LOT	ELEVATION AT MAIN	ELEVATION AT EDGE OF EASEMENT	M.C.E.	B.E.	F.F.
EX. MH 3 TO MH 165						
0+25 RT.	60	370.55	370.93	374.77	389.46	
0+49 RT.	59	370.67	371.15	374.85	390.79	
0+68 RT.	58	370.76	371.32	375.16	392.12	
⊙MH 150 RT.	57	371.03	371.67	375.51	393.45	

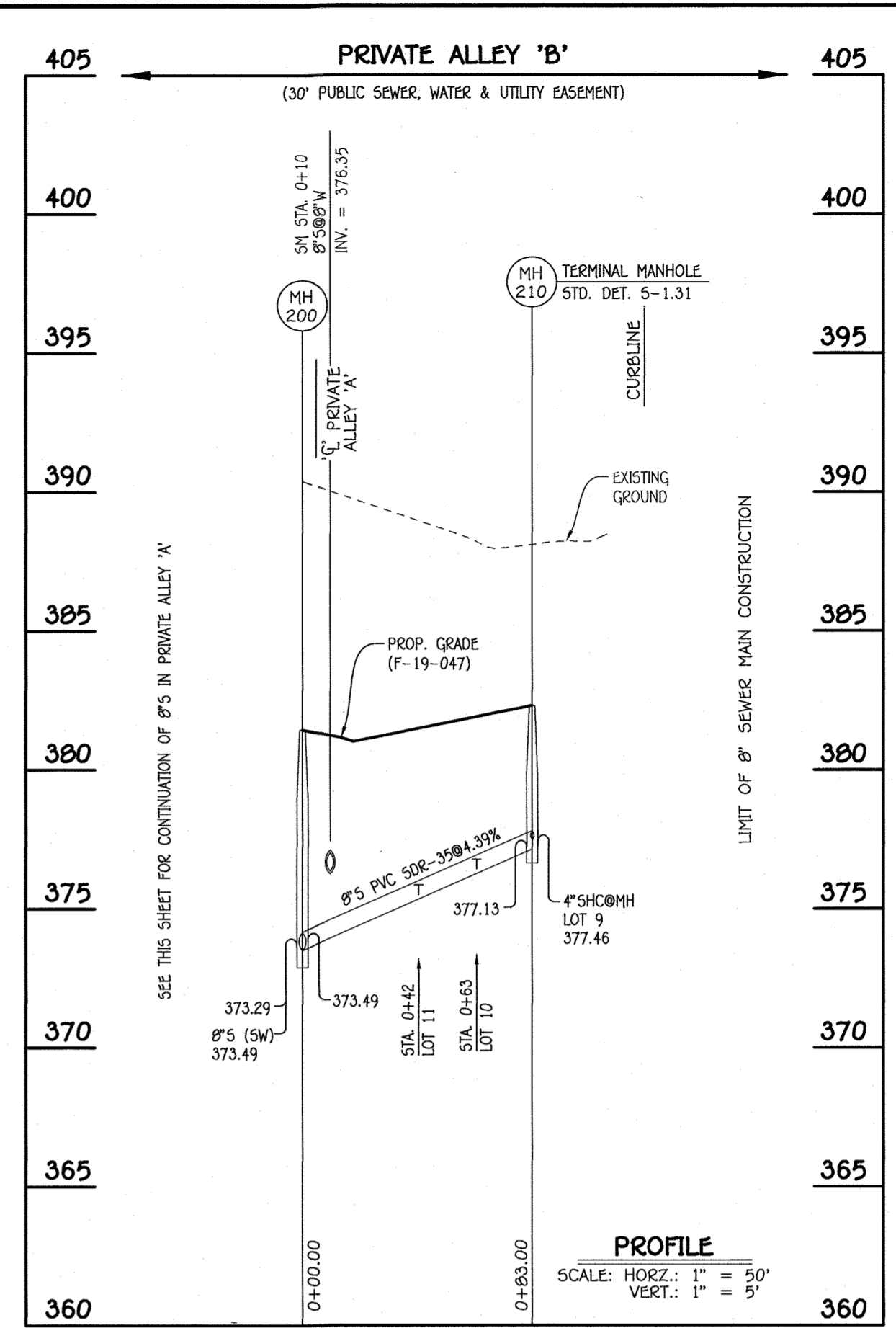


8" SEWER MAIN; PRIVATE ALLEY 'A': MH 155 TO MH 205

MANHOLE TABULATION CHART			
NO.	NORTHING	EASTING	RIM ELEVATION
200	581028.96	1364341.34	381.43
205 (TERMINAL)	580968.22	1364259.40	379.39

NOTE: SET MH RIMS FLUSH W/PROPOSED GRADE.

SEWER HOUSE CONNECTION CHART						
STATION	LOT	ELEVATION AT MAIN	ELEVATION AT EDGE OF EASEMENT	M.C.E.	B.E.	F.F.
MH 155 TO MH 200						
0+60 LT.	1	371.98	372.38	376.20	385.87	395.89
0+69 RT.	12	372.06	372.26	376.02	386.49	396.51
0+88 LT.	2	372.22	372.62	376.44	385.87	395.89
0+96 RT.	13	372.29	372.49	376.25	385.82	395.84
1+11 LT.	3	372.43	372.83	376.65	385.20	395.22
1+18 RT.	14	372.49	372.89	376.45	385.15	395.17
1+39 RT.	15	372.67	372.87	376.63	384.48	394.50
1+79 RT.	16	373.03	373.23	376.99	384.41	394.43
2+03 RT.	17	373.24	373.44	377.20	383.74	393.76
2+23 RT.	18	373.41	373.61	377.37	383.07	393.09
MH 200 TO MH 205 (TERMINAL)						
0+17 RT.	19	373.78	373.98	377.74	382.40	392.42
0+53 RT.	20	374.04	374.24	378.00	382.34	392.36
0+77 RT.	21	374.21	374.47	378.17	381.67	391.69
⊙MH 205 RT.	22	374.55	374.75	378.51	381.67	391.69



8" SEWER MAIN; PRIVATE ALLEY 'B': MH 200 TO MH 210

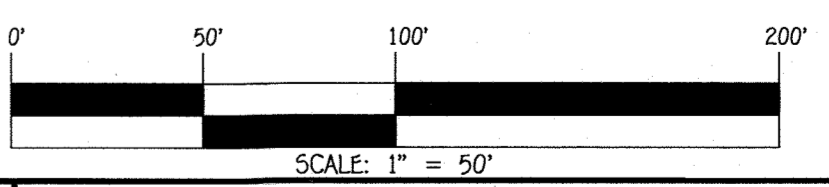
MANHOLE TABULATION CHART			
NO.	NORTHING	EASTING	RIM ELEVATION
210 (TERMINAL)	580962.28	1364390.77	382.30

NOTE: SET MH RIM FLUSH W/PROPOSED GRADE.

SEWER HOUSE CONNECTION CHART						
STATION	LOT	ELEVATION AT MAIN	ELEVATION AT EDGE OF EASEMENT	M.C.E.	B.E.	F.F.
MH 200 TO MH 210 (TERMINAL)						
0+42 LT.	11	375.50	375.70	379.56	382.94	392.96
0+63 LT.	10	376.43	376.63	380.37	382.94	392.96
⊙MH 210 LT.	9	377.46	377.66	381.52	384.27	394.29

REPLACEMENT SHEET

NOTE: THIS ORIGINAL CONSTRUCTION PLAN, SHEET 4 OF 8, SUPERSEDES THE SEWER AND WATER MAIN CONSTRUCTION PLAN PREVIOUSLY APPROVED AND SIGNED BY THE DEPARTMENT OF PLANNING AND ZONING ON JULY 22, 2020.



CONTRACT NO. 14-5063-D  
DORSEY'S RIDGE  
LOTS 1 THRU 60 AND  
OPEN SPACE LOTS 5 THRU 8  
SEWER & WATER MAIN EXTENSIONS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
5-5-21

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND  
6-2-21

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 7/16/22.  
FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
BLODDOTT CITY, MARYLAND 21046  
(410) 461-2295



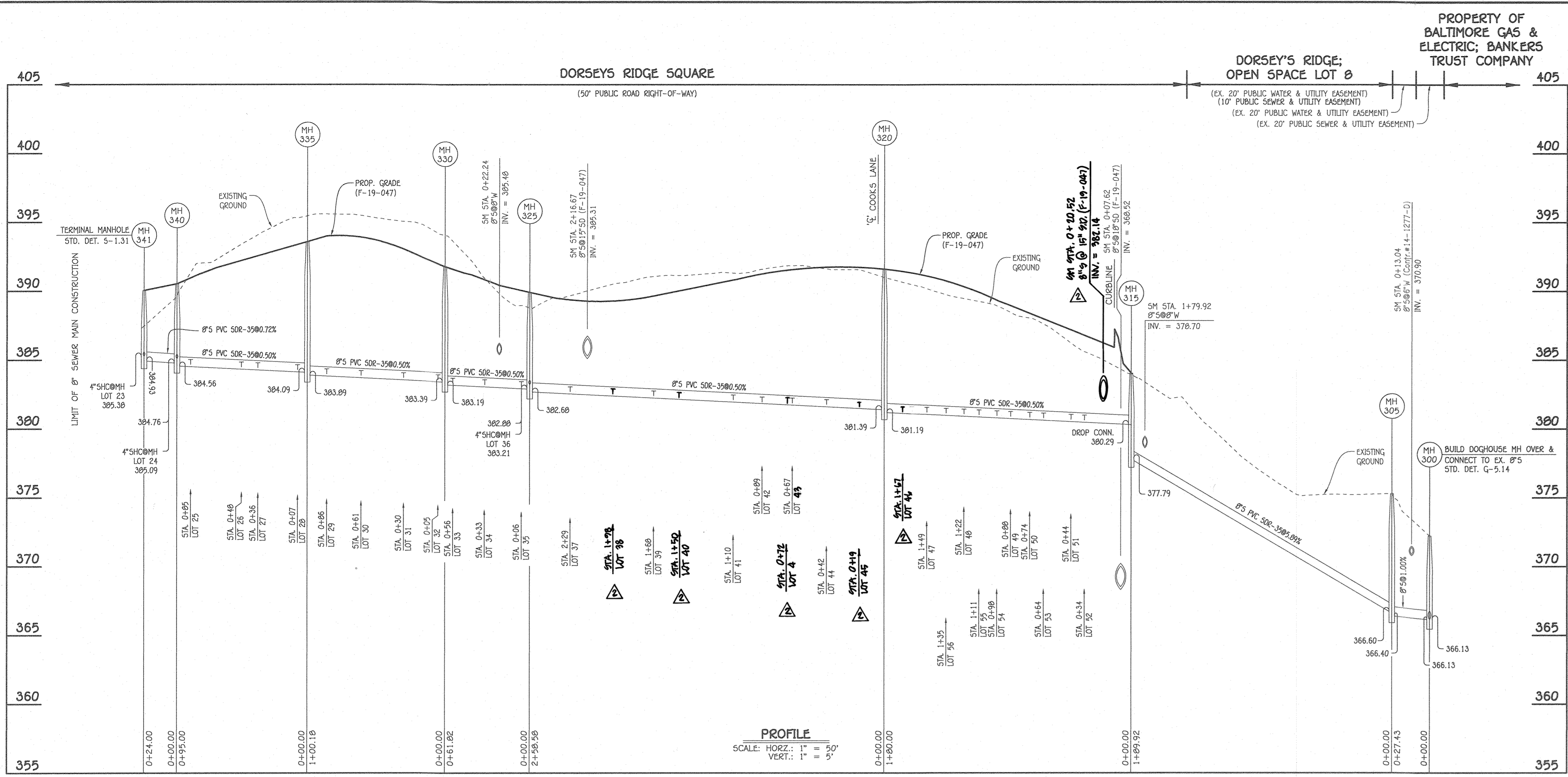
DESIGNED BY: P.W.K. WATERS & SEWER RELOCATION  
DRAWN BY: P.W.K.  
CHECKED BY: P.W.K.  
DATE: APRIL, 2021  
BY NO. REVISION DATE

SEWER MAIN EXTENSIONS  
PROFILES & CHARTS  
600' SCALE MAP NO. 24 BLOCK NO. 18  
F.C.C. WORK ORDER NO. 15000  
FILE NAME: SEWER & WATER MAIN EXTENSION PLAN

DORSEY'S RIDGE  
LOTS 1 THRU 60 AND  
OPEN SPACE LOTS 5 THRU 8  
SEWER & WATER MAIN EXTENSIONS  
CONTRACT NO. 14-5063-D  
SECOND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 4 OF 8



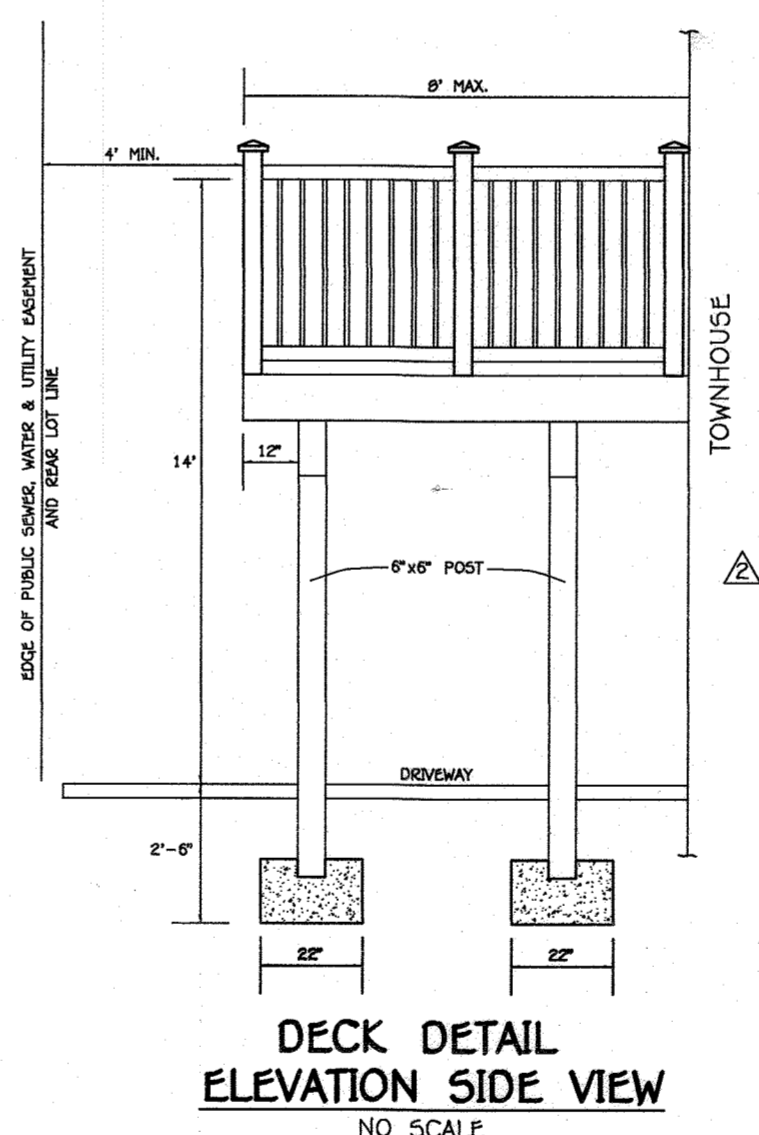


8" SEWER MAIN; DORSEYS RIDGE SQUARE: MH 300 TO MH 341

NO.	NORTHING	EASTING	RIM ELEVATION
300	501289.26	1364589.19	372.55
305	501300.35	1364564.09	375.75
315	501479.53	1364501.14	383.22
320	501412.12	1364334.23	391.60
325	501315.29	1364094.47	389.91
330	501254.61	1364082.63	391.70
335	501163.33	1364123.91	393.57
340	501087.06	1364180.54	390.52
341 (TERMINAL)	501083.68	1364204.30	390.04

NOTE: SET MH RIMS FLUSH W/EXISTING GROUND OR PROPOSED GRADE AS APPLICABLE.

STATION	LOT	ELEVATION AT MAIN	ELEVATION AT R/W	M.C.E.	B.E.	F.F.
MH 315 TO MH 320						
0+33 RT.	51	380.63	381.23	385.01	385.97	389.97
0+35 LT.	52	380.64	381.44	385.08	389.72	
0+64 LT.	53	380.78	381.38	385.06	391.05	
0+73 RT.	50	380.83	381.23	384.97	386.64	390.64
0+88 RT.	49	380.90	381.30	385.08	387.31	391.31
0+95 LT.	54	380.94	381.54	385.38	392.38	
1+11 LT.	55	381.02	381.62	385.46	393.71	
1+21 RT.	48	381.07	381.47	385.21	387.98	391.98
1+35 LT.	56	381.14	381.74	385.58	395.04	
1+49 RT.	47	381.21	381.61	385.39	387.98	391.98
1+67 RT.	46	381.90	381.70	385.40	388.76	392.76
MH 320 TO MH 325						
0+19 RT.	45	381.66	382.06	385.80	388.76	392.76
0+42 RT.	44	381.77	382.17	385.87	388.76	392.76
0+67 RT.	43	381.90	382.90	386.04	388.76	392.76
0+71 LT.	4	381.92	382.80		402.64	
0+89 RT.	42	382.01	382.41	386.11	388.76	392.76
1+20 RT.	41	382.16	382.56	386.38	388.00	392.00
1+50 RT.	40	382.31	382.71	386.49	388.00	392.00
1+68 RT.	39	382.40	382.80	386.62	387.33	391.33
1+98 RT.	38	382.55	382.95	386.75	387.33	391.33
2+38 RT.	37	382.75	383.15	386.93	387.36	381.36
MH 325 RT.	36	383.21	383.51	387.35	387.36	391.36
MH 325 TO MH 330						
0+06 RT.	35	383.08	383.46	387.04	387.36	391.36
0+33 RT.	34	383.22	383.70	387.62	388.65	392.65
0+56 RT.	33	383.33	383.75	387.53	389.32	393.32
MH 330 TO MH 335						
0+05 RT.	32	383.59	383.95	387.69	389.99	393.99
0+30 RT.	31	383.71	384.11	387.85	390.66	394.66
0+61 RT.	30	383.87	384.27	388.05	391.86	395.86
0+86 RT.	29	383.99	384.37	388.15	391.86	395.86
MH 335 TO MH 340						
0+07 RT.	28	384.30	384.68	388.44	391.86	395.86
0+36 RT.	27	384.44	384.84	388.60	391.19	395.19
0+48 RT.	26	384.50	384.90	388.76	389.59	393.59
0+85 RT.	25	384.69	385.09	388.95	389.92	393.92
MH 340 RT.	24	385.09	385.43	389.35	389.92	393.92
MH 340 TO MH 341 (TERMINAL)						
MH 341 RT.	23	385.21	385.69	389.89	389.92	393.92



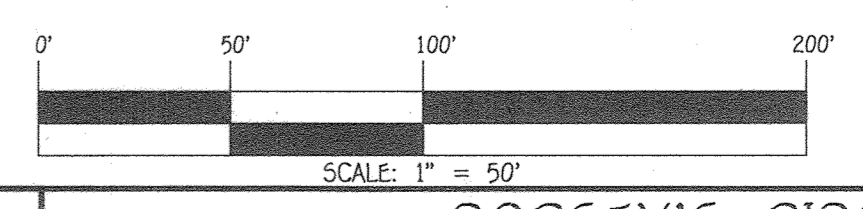
DECK DETAIL  
ELEVATION SIDE VIEW  
NO SCALE

WAIVER (DMV2-21-019); CONDITIONS & LIMITATIONS

- Decks (maximum depth thereof) shall be such that the approved deck plan (permit approved) allows that any structural post, footing and/or overhang limits shall be a minimum of five (5) feet from any water valve, or sewer cleanout, or water/sewer appurtenance (e.g. meter);
- The construction of access steps, from/to exterior grade, for decks shall not be permitted;
- The deck conditions and size limitations approved herein shall be noted and documented on the water and sewer contract drawings, site development plans and elsewhere as may be directed by Development Engineering.

REPLACEMENT SHEET

NOTE: THIS ORIGINAL CONSTRUCTION PLAN, SHEET 5 OF 8, SUPERSEDES THE SEWER AND WATER MAIN CONSTRUCTION PLAN PREVIOUSLY APPROVED AND SIGNED BY THE DEPARTMENT OF PLANNING AND ZONING ON JULY 22, 2020.



CONTRACT NO. 14-5063-D  
DORSEY'S RIDGE  
LOTS 1 THRU 60 AND  
OPEN SPACE LOTS 5 THRU 8  
SEWER & WATER MAIN EXTENSIONS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

Chief, Bureau of Utilities  
DATE: 5-5-21

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

Chief, Development Engineering Division  
DATE: 6-22-21

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 7/16/22.

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELIJAH CITY, MARYLAND 21042  
(410) 461-2295



DESIGNED BY: B.C.R. / P.W.K. / 6/1/21

DRAWN BY: B.C.R. / P.W.K. / 10/14/21

CHECKED BY: P.W.K.

DATE: APRIL 2021

BY NO. REVISION DATE

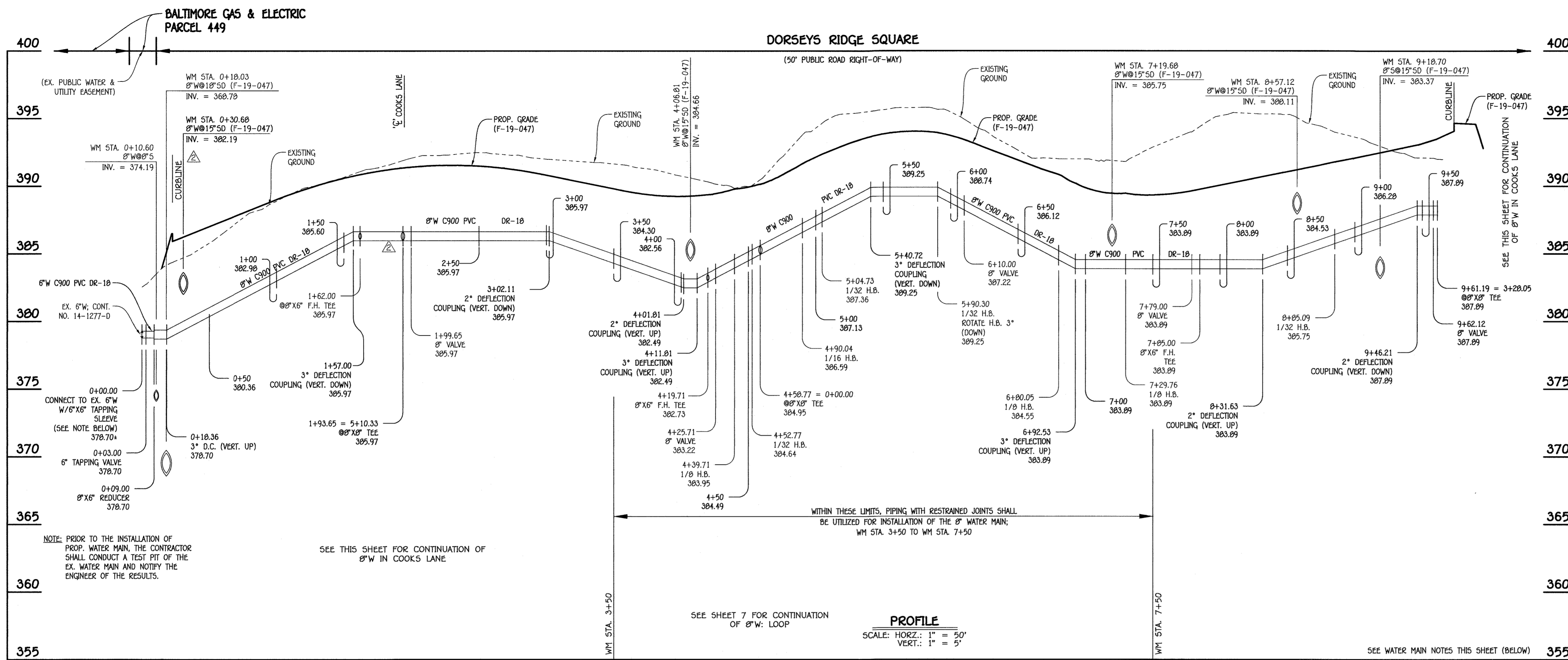
SEWER MAIN EXTENSIONS  
PROFILES & CHARTS

60' SCALE MAP NO. 24 BLOCK NO. 18  
F.C.C. WORK ORDER NO. 15000  
FILE NAME: SEWER & WATER MAIN EXTENSION PLAN

DORSEY'S RIDGE  
LOTS 1 THRU 60 AND  
OPEN SPACE LOTS 5 THRU 8  
SEWER & WATER MAIN EXTENSIONS  
CONTRACT NO. 14-5063-D  
SECOND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

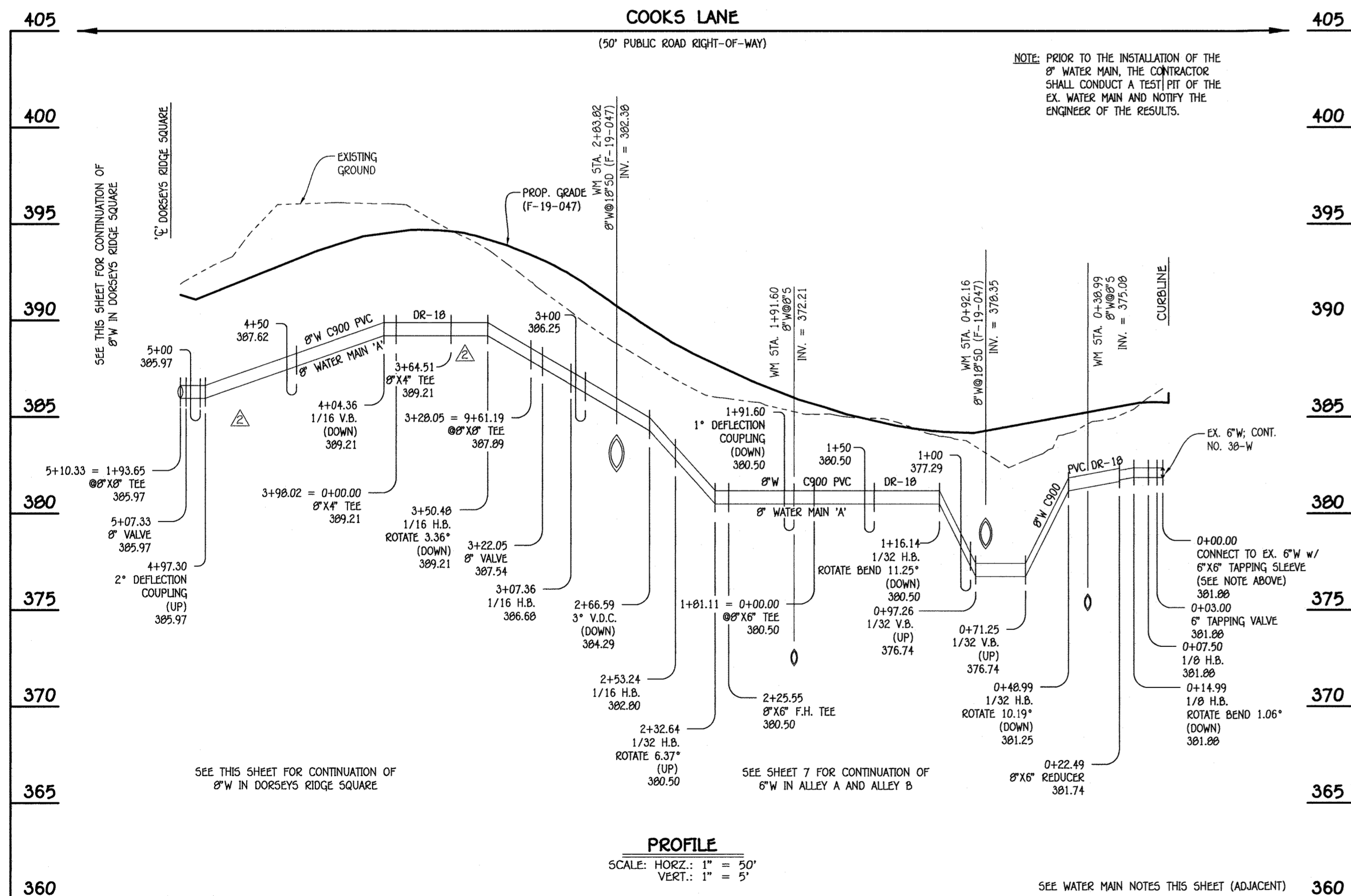
SCALE AS SHOWN  
SHEET 5 OF 8





**8" WATER MAIN: DORSEYS RIDGE SQUARE**

WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: DORSEYS RIDGE SQUARE			
0+00.00	6" X 6" TAPPING SLEEVE	501474.05	1364514.20
0+03.00	6" TAPPING VALVE	501472.93	1364511.50
0+09.00	8" X 6" REDUCER	501471.24	1364507.32
0+10.36	3" DEFLECTION COUPLING (VERT. UP)	501467.10	1364497.25
1+57.00	8" X 6" F.H. TEE	501413.39	1364364.07
1+57.00	3" DEFLECTION COUPLING (VERT. DOWN)	501415.26	1364360.70
1+93.65 = 5+10.33	8" X 6" TEE	501401.54	1364334.72
1+99.65	8" VALVE	501399.29	1364329.16
3+02.11	2" DEFLECTION COUPLING (VERT. DOWN)	501360.92	1364234.15
4+01.81	2" DEFLECTION COUPLING (VERT. UP)	501323.59	1364141.71
4+11.81	3" DEFLECTION COUPLING (VERT. UP)	501319.84	1364132.43
4+19.71	8" X 6" F.H. TEE	501316.08	1364125.11
4+25.71	8" VALVE	501314.64	1364119.54
4+39.71	1/8" H.B.	501309.39	1364106.56
4+52.77	1/32" H.B.	501297.33	1364101.55
4+58.77 = 0+00.00	8" X 6" TEE	501291.45	1364100.30
4+90.04	1/16" H.B.	501260.78	1364094.29
5+04.73	1/32" H.B.	501246.40	1364097.32
5+40.72	3" DEFLECTION COUPLING (VERT. DOWN)	501213.61	1364112.15
5+90.30	1/32" H.B. (ROTATE 3" DOWN)	501168.43	1364132.50
6+10.00	8" VALVE	501152.62	1364144.32
6+80.05	1/8" H.B.	501096.37	1364186.00
6+92.53	3" DEFLECTION COUPLING (VERT. UP)	501094.62	1364190.43
7+29.76	1/8" H.B.	501089.38	1364235.29
7+79.00	8" VALVE	501118.71	1364274.85
7+85.00	8" X 6" F.H. TEE	501122.20	1364279.67
8+31.63	2" DEFLECTION COUPLING (VERT. UP)	501150.04	1364317.13
8+85.09	1/32" H.B.	501101.00	1364360.00
9+46.21	2" DEFLECTION COUPLING (VERT. DOWN)	501227.16	1364401.14
9+62.12	8" VALVE	501236.03	1364409.10
9+61.19 = 3+28.05	8" X 6" TEE	501238.25	1364411.19



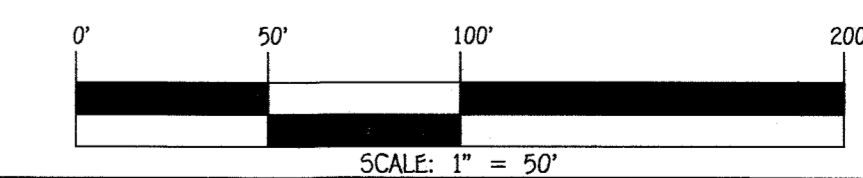
**8" WATER MAIN 'A': COOKS LANE**

WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN 'A': COOKS LANE			
0+00.00	6" X 6" TAPPING SLEEVE	500994.37	1364599.03
0+03.00	6" TAPPING VALVE	500996.34	1364601.30
0+07.50	1/8" H.B.	500999.30	1364604.69
0+14.99	1/8" H.B. (ROTATE BEND 1.06" DOWN)	501006.77	1364605.20
0+22.49	8" X 6" REDUCER	501012.69	1364600.59
0+48.99	1/32" H.B. (ROTATE BEND 10.19" DOWN)	501033.58	1364584.30
0+71.25	1/32" V.B. (UP)	501053.89	1364575.17
0+97.26	1/32" V.B. (UP)	501077.61	1364564.51
1+16.14	1/32" H.B. (ROTATE BEND 11.25" DOWN)	501094.84	1364556.77
1+81.11 = 0+00.00	8" X 6" TEE	501148.99	1364520.87
2+25.55	8" X 6" F.H. TEE	501186.02	1364496.32
2+32.64	1/32" H.B. (ROTATE BEND 6.37" UP)	501191.93	1364492.40
2+53.24	1/16" H.B.	501206.14	1364477.48
2+66.59	3" DEFLECTION COUPLING (VERT. DOWN)	501210.63	1364464.91
3+07.36	1/16" H.B.	501224.36	1364426.52
3+22.05	8" VALVE	501234.22	1364415.64
3+28.05 = 9+61.19	8" X 6" TEE	501238.25	1364411.19
3+50.48	1/16" H.B. (ROTATE BEND 6.64" DOWN)	501253.32	1364394.58
3+64.51	8" X 6" TEE	501266.33	1364389.32
3+90.02 = 0+00.00	8" X 6" TEE	501297.40	1364376.78
4+04.36	1/16" V.B. (DOWN)	501303.20	1364374.40
4+97.30	2" DEFLECTION COUPLING (VERT. UP)	501309.46	1364339.60
5+07.33	8" VALVE	501398.76	1364335.85
5+10.33 = 1+93.65	8" X 6" TEE	501401.54	1364334.72

NOTE: THIS ORIGINAL CONSTRUCTION PLAN, SHEET 6 OF 8, SUPERSEDES THE SEWER AND WATER MAIN CONSTRUCTION PLAN PREVIOUSLY APPROVED AND SIGNED BY THE DEPARTMENT OF PLANNING AND ZONING ON JUNE 02, 2021.

**REPLACEMENT SHEET**

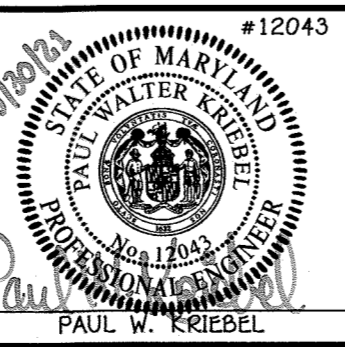
- WATER MAIN NOTES:**
- ALL WATER MAINS SHALL BE AWWA C900 PVC PIPE; DR-18.
  - ALL PIPE BEDDING, TRACER WIRE, LOCATING TAPE AND OTHER APPURTENANCES SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV - WATER AND SEWER STANDARDS FOR AWWA C900 PVC WATER PIPE INSTALLATION.
  - DEFLECTION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



DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
10-6-21  
DATE

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND  
10-7-21  
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 7/16/22.  
**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PARK ELLICOTT CITY, MARYLAND 21042 (410) 461-2992



DESIGNED BY: B.C.R.  
DRAWN BY: B.C.R.  
CHECKED BY: P.W.K.  
DATE: MAY, 2021

FCC WATER AND SEWER RELOCATION  
REVISED PROFILES AND CHARTS.

6/1/21  
9-2021

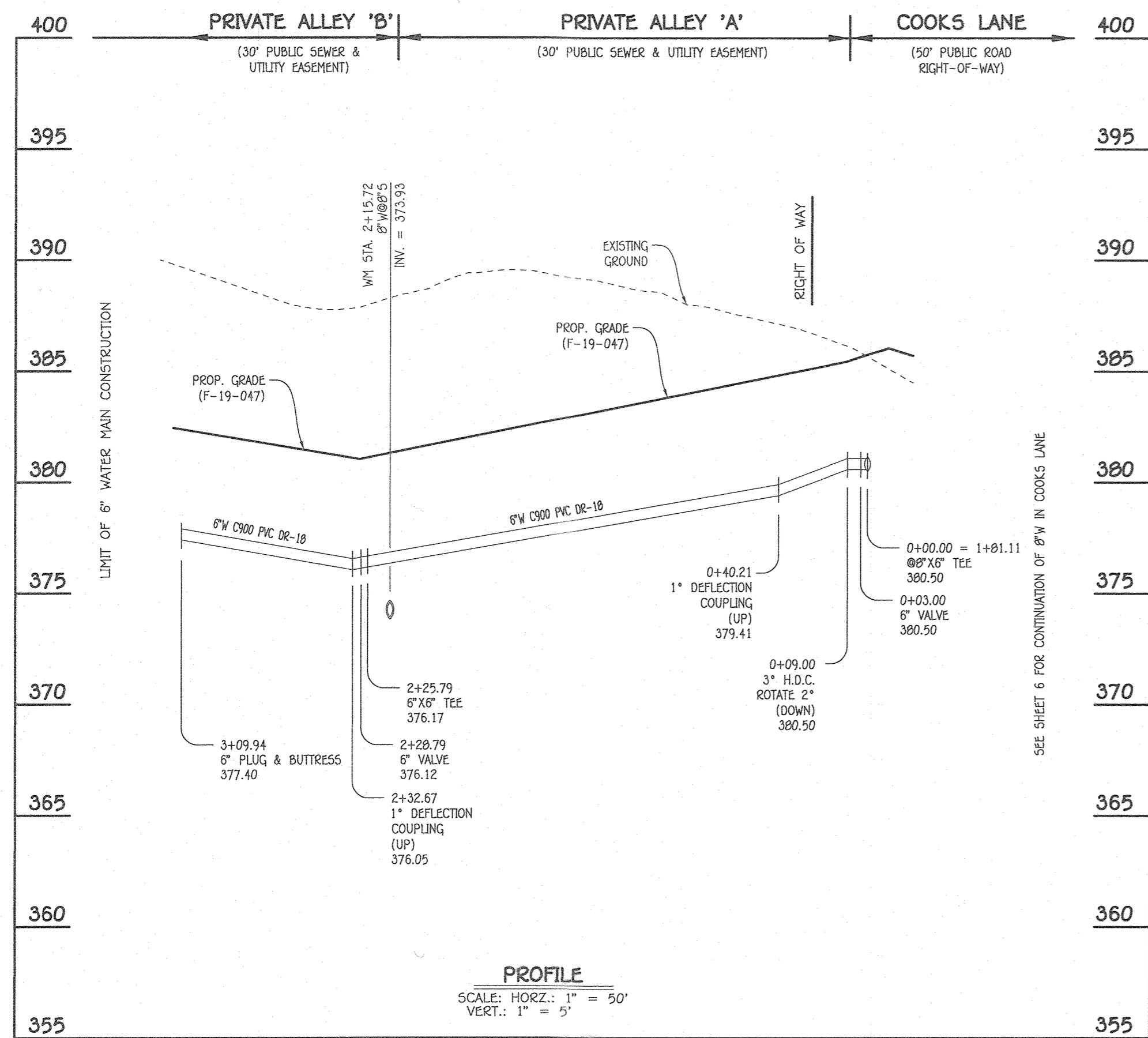
**WATER MAIN EXTENSIONS PROFILES, CHARTS & NOTES**

60' SCALE MAP NO. 24 BLOCK NO. 10  
F.C.C. WORK ORDER NO. 15000  
FILE NAME: SEWER & WATER MAIN EXTENSION PLAN

CONTRACT NO. 14-5063-D  
DORSEY'S RIDGE  
LOTS 1 THRU 60 AND  
OPEN SPACE LOTS 5 THRU 8  
SEWER & WATER MAIN EXTENSIONS  
CONTRACT NO. 14-5063-D  
SECOND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

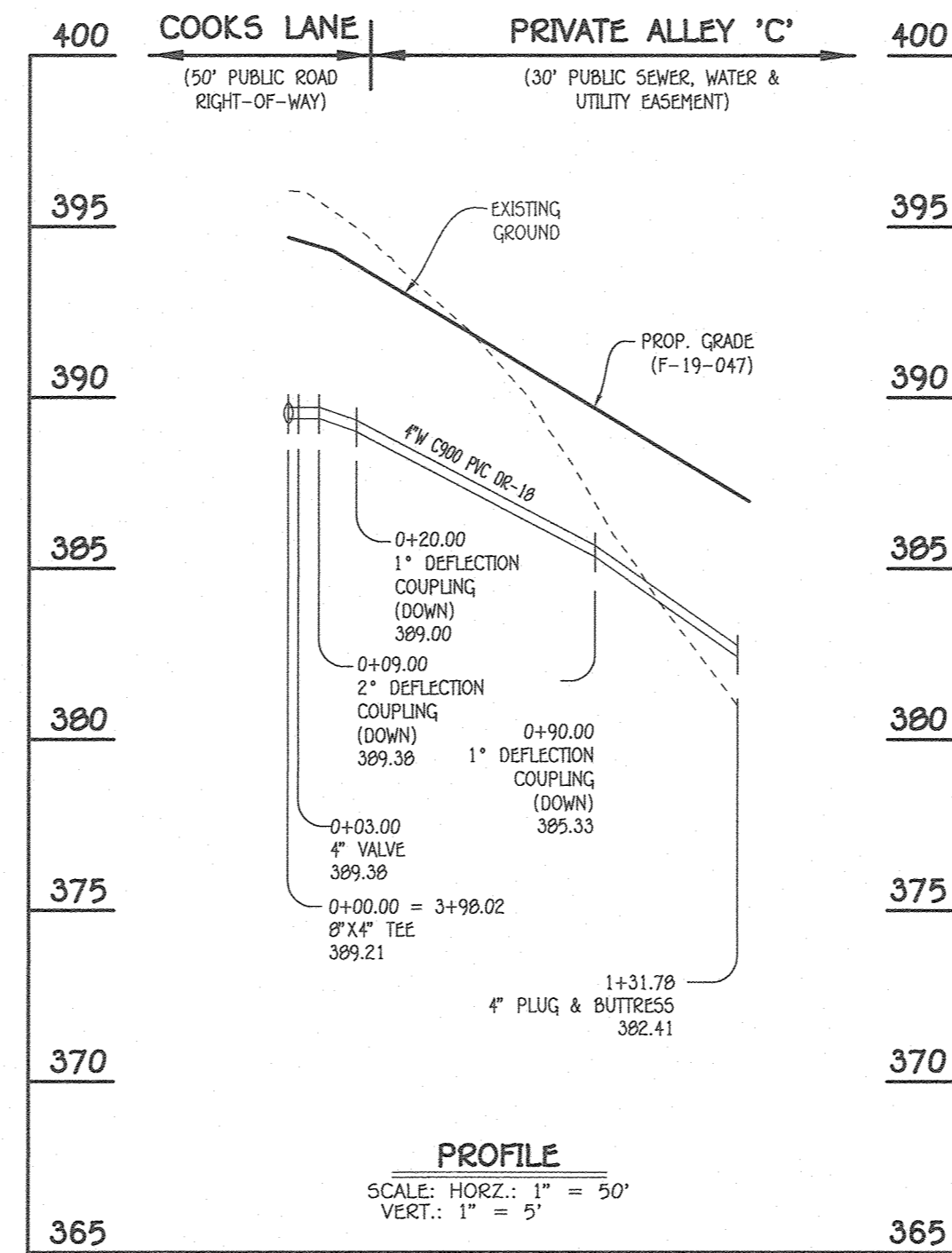
SCALE AS SHOWN  
SHEET 6 OF 8





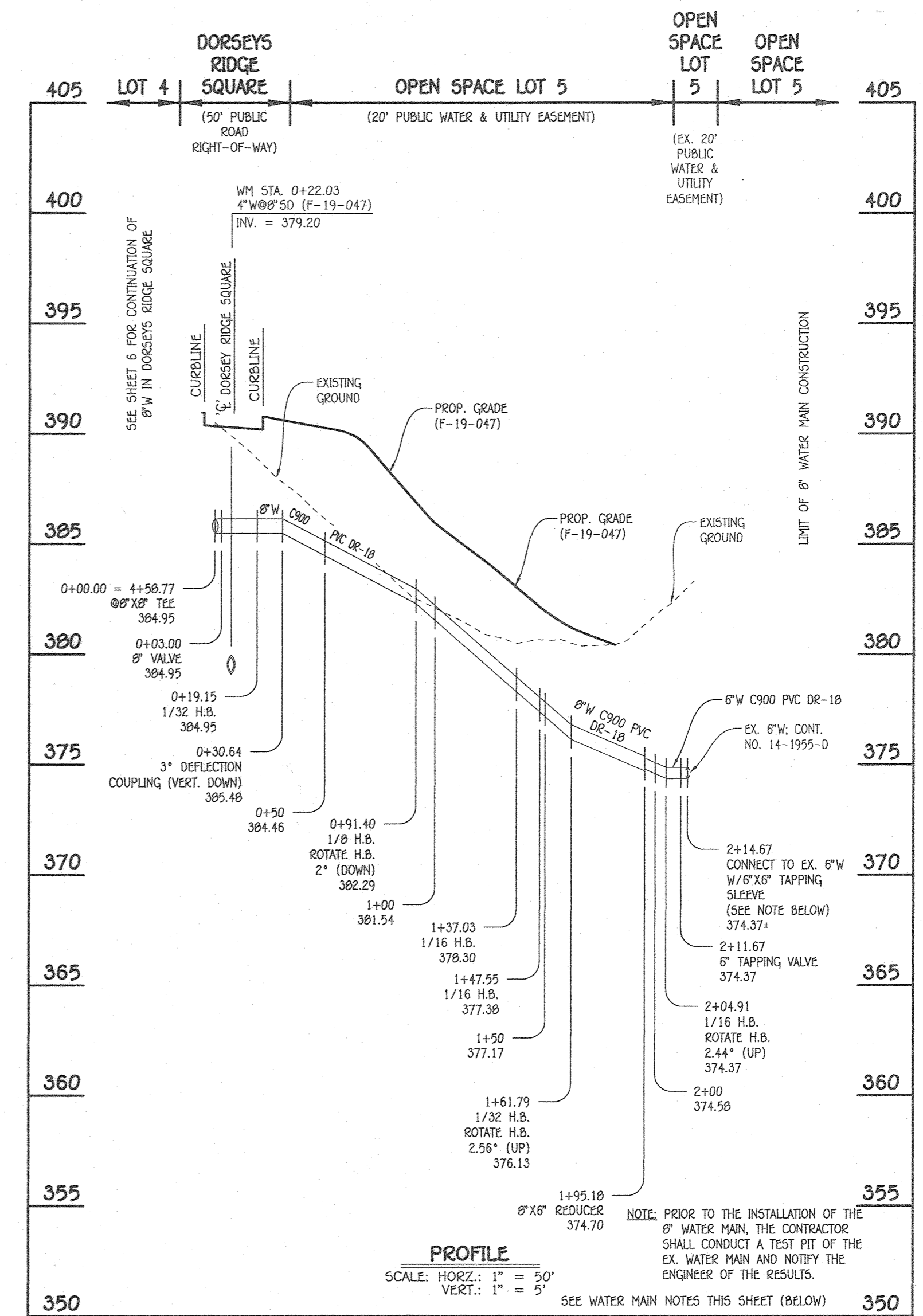
6" WATER MAIN: PRIVATE ALLEY 'A' & PRIVATE ALLEY 'B'

W.M. STA.	APPURTENANCE	NORTHING	EASTING
4" WATER MAIN: PRIVATE ALLEY 'B'			
0+00.00 = 1+01.11	@8"x6" TEE	501148.99	1364520.87
0+03.00	6" VALVE	501147.33	1364518.37
0+09.00	3" H.D.C. (ROTATE 2" DOWN)	501144.02	1364513.38
0+40.21	1" DEFLECTION COUPLING (VERT. UP)	501125.43	1364488.30
2+25.79	6" X6" TEE	501014.93	1364339.21
2+28.79	6" VALVE	501012.53	1364341.00
2+32.67	1" DEFLECTION COUPLING (VERT. UP)	501014.79	1364351.84
3+09.94	6" PLUG & BUTTRESS	500947.36	1364389.37



4" WATER MAIN: PRIVATE ALLEY 'C'

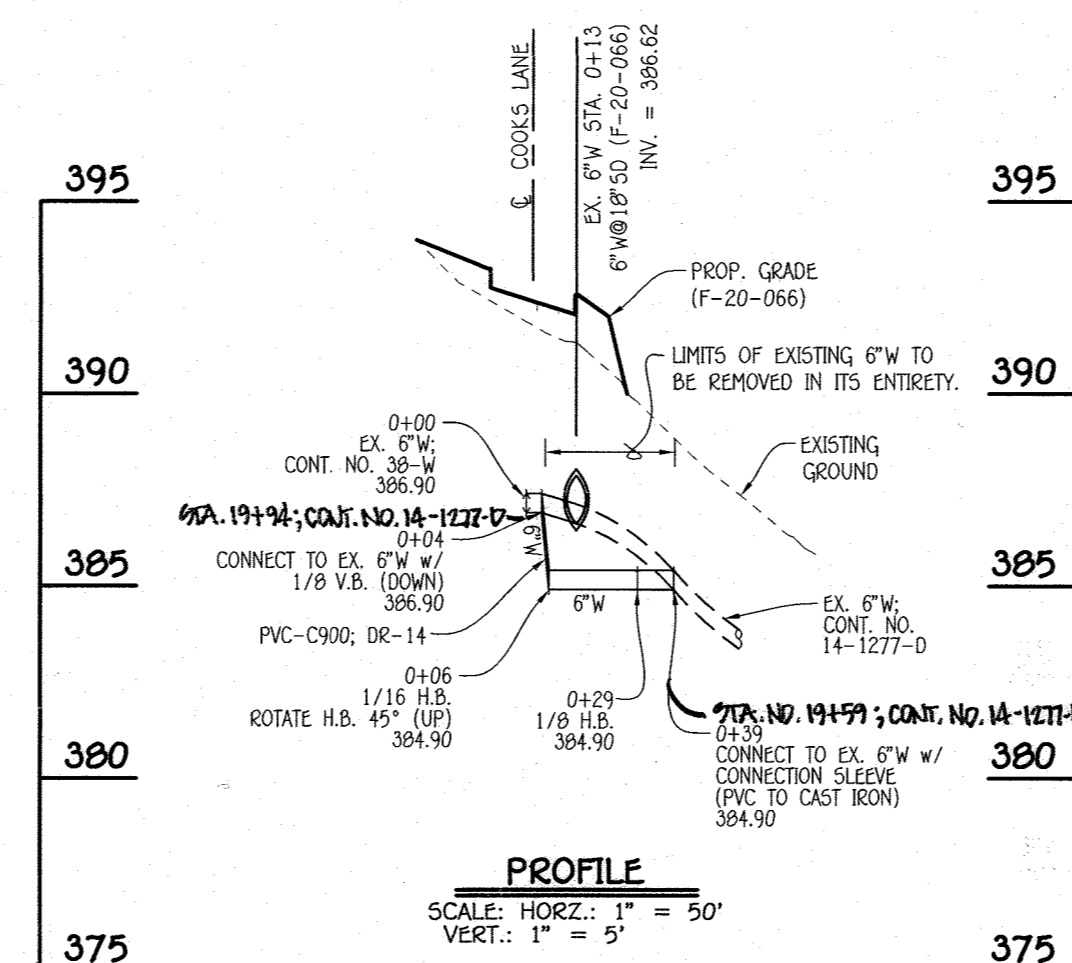
W.M. STA.	APPURTENANCE	NORTHING	EASTING
4" WATER MAIN: LOTS 57 THRU 60			
0+00.00 = 3+98.02	@8"x4" TEE	501297.40	1364376.78
0+03.00	4" VALVE	501298.52	1364379.56
0+09.00	2" DEFLECTION COUPLING (VERT. DOWN)	501300.77	1364385.12
0+20.00	1" DEFLECTION COUPLING (VERT. DOWN)	501304.89	1364395.32
0+90.00	1" DEFLECTION COUPLING (VERT. DOWN)	501331.10	1364460.23
1+31.70	4" PLUG & BUTTRESS	501346.74	1364498.97



8" WATER MAIN: LOOP

W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: LOOP			
0+00.00 = 4+58.77	@8"x6" TEE	501291.45	1364100.38
0+03.00	6" VALVE	501292.03	1364097.44
0+19.15	1/32 H.B.	501295.18	1364081.60
0+30.64	3" DEFLECTION COUPLING (VERT. DOWN)	501299.60	1364070.99
0+91.40	1/8 H.B.	501322.97	1364014.91
1+37.03	1/16 H.B.	501304.95	1363972.99
1+47.55	1/16 H.B.	501297.46	1363965.61
1+61.79	1/32 H.B.	501283.95	1363961.11
1+95.18	8"x6" REDUCER	501250.73	1363957.01
2+04.91	1/16 H.B.	501241.04	1363956.85
2+11.67	6" TAPPING VALVE	501234.56	1363958.76
2+14.67	6" X6" TAPPING SLEEVE	501231.60	1363959.61

W.M. STA.	APPURTENANCE	NORTHING	EASTING
REVISIONS TO EX. 6" WATER MAIN: COOKS LANE			
0+00.00	@EX. 6" W (CONT. NO. 38-W)	-	-
0+04.00	1/8 V. BEND (DOWN); CONNECT TO EX. 6" W	500880.73	1364702.51
0+06.00	1/16 H. BEND; ROTATE H.B. 45° (UP)	500882.02	1364704.04
0+29.00	1/8 H. BEND	500902.55	1364714.63
0+39.00	CONNECT TO EX. 6" W w/ CONNECTION SLEEVE (PVC TO CAST IRON)	500911.43	1364711.51



REVISIONS TO EX. 6" WATER MAIN: COOKS LANE

REPLACEMENT SHEET

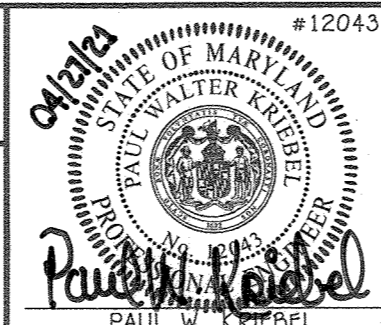
NOTE: THIS ORIGINAL CONSTRUCTION PLAN, SHEET 7 OF 8, SUPERSEDES THE SEWER AND WATER MAIN CONSTRUCTION PLAN PREVIOUSLY APPROVED AND SIGNED BY THE DEPARTMENT OF PLANNING AND ZONING ON JULY 22, 2020.

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

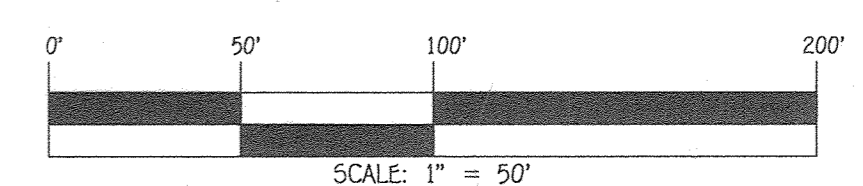
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 12243 EXPIRATION DATE 5/7/18/22.

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



DESIGNED BY: B.C.R. DATE: APRIL, 2021  
DRAWN BY: B.C.R.  
CHECKED BY: P.W.K.  
DATE: 6/1/21  
BY NO. REVISION DATE

WATER MAIN EXTENSIONS  
PROFILES, CHARTS & NOTES  
600' SCALE MAP NO. 24 BLOCK NO. 18  
F.C.C. WORK ORDER NO. 15000  
FILE NAME: SEWER & WATER MAIN EXTENSION PLAN



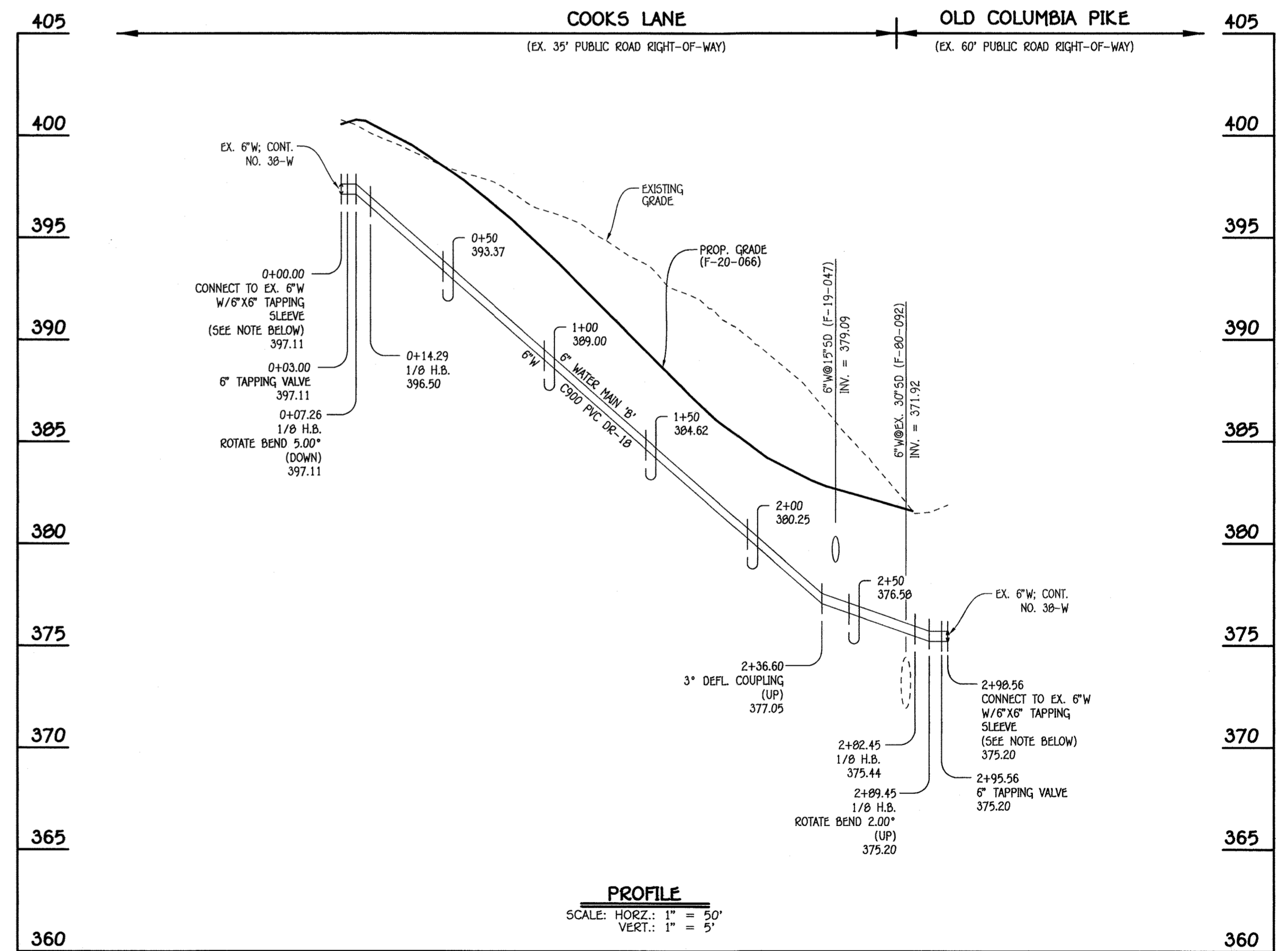
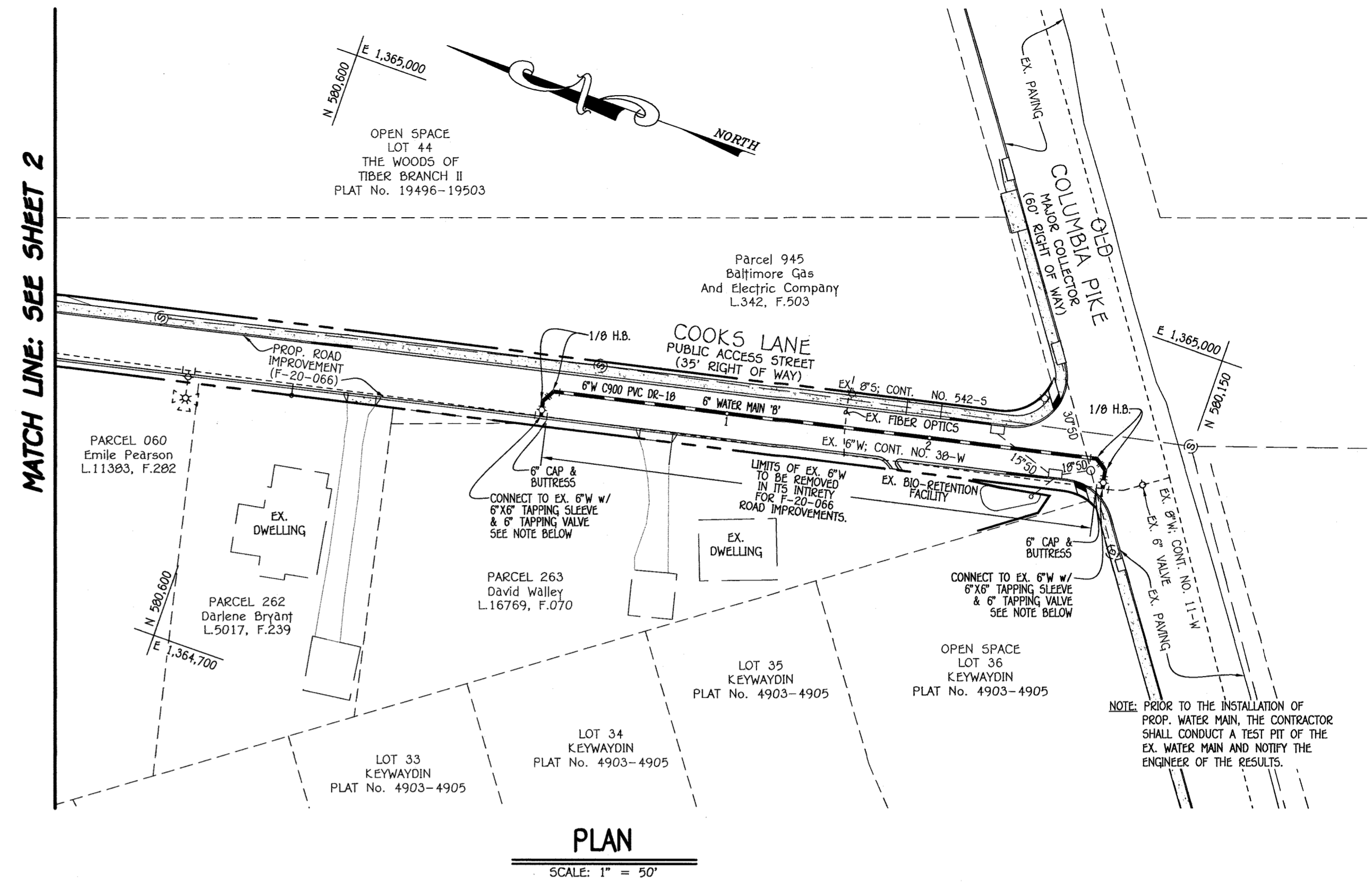
DORSEY'S RIDGE  
LOTS 1 THRU 60 AND  
OPEN SPACE LOTS 5 THRU 8  
SEWER & WATER MAIN EXTENSIONS  
CONTRACT NO. 14-5063-D  
SECOND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 7 OF 8



SEWER HOUSE CONNECTION AS-BUILT LOCATION TABLE			
LOT NUMBER	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
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WATER HOUSE CONNECTION AS-BUILT LOCATION TABLE			
LOT NUMBER	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
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WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
6" WATER MAIN 'B' RELOCATION: COOKS LANE			
0+00.00	6" X 6" TAPPING SLEEVE	580456.34	1364863.99
0+03.00	6" TAPPING VALVE	580456.97	1364866.93
0+07.26	1/8" H.B. (ROTATE 5.00° DOWN)	580457.85	1364871.10
0+14.29	1/8" H.B.	580454.38	1364877.21
2+36.60	3" DEFLECTION COUPLING (VERT. UP)	580237.19	1364924.65
2+82.45	1/8" H.B.	580192.39	1364934.44
2+89.45	1/8" H.B. (ROTATE 2.00° UP)	580186.52	1364930.64
2+95.56	6" TAPPING VALVE	580185.38	1364924.64
2+98.56	6" X 6" TAPPING SLEEVE	580184.81	1364921.69

WATER SERVICE TEMPORARY INTERRUPTION CHART		
PARCEL	LOT	ADDRESS
662	3	3988 COOKS LANE
662	2	3992 COOKS LANE
662	1	3996 COOKS LANE
060	N/A	4000 COOKS LANE
262	N/A	4004 COOKS LANE
263	N/A	4008 COOKS LANE

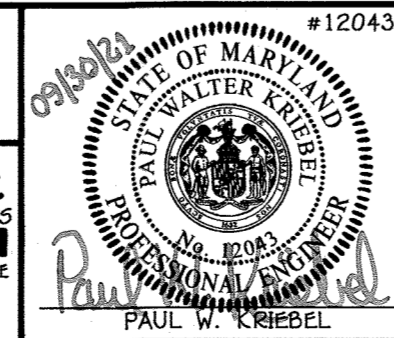
REPLACEMENT SHEET

NOTE: THIS ORIGINAL CONSTRUCTION PLAN, SHEET 8 OF 8, SUPERSEDES THE SEWER AND WATER MAIN CONSTRUCTION PLAN PREVIOUSLY APPROVED AND SIGNED BY THE DEPARTMENT OF PLANNING AND ZONING ON JULY 22, 2020.

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 7/18/22.



DESIGNED BY: PKW  
DRAWN BY: PKW  
CHECKED BY: P.W.K.  
DATE: SEPTEMBER, 2021

REVISIONS:  
REVISION NO. 1: REPLACEMENT SHEET - W&S RELOCATION (6-1-21)  
REVISION NO. 2: REPLACEMENT SHEET - W&S RELOCATION (9-10-21)

SHC & WHC "AS-BUILT" LOCATION TABLES

600' SCALE MAP NO. 24 BLOCK NO. 18  
F.C.C. WORK ORDER NO. 15000  
FILE NAME: SEWER & WATER MAIN EXTENSION PLAN

DORSEY'S RIDGE  
LOTS 1 THRU 60 AND  
OPEN SPACE LOTS 5 THRU 8  
SEWER & WATER MAIN EXTENSIONS  
CONTRACT NO. 14-5063-D  
SECOND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

CONTRACT NO. 14-5063-D  
DORSEY'S RIDGE  
LOTS 1 THRU 60 AND  
OPEN SPACE LOTS 5 THRU 8  
SEWER & WATER MAIN EXTENSIONS  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 8 OF 8