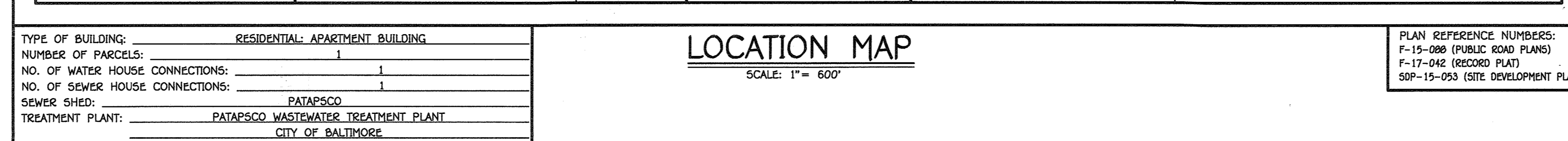
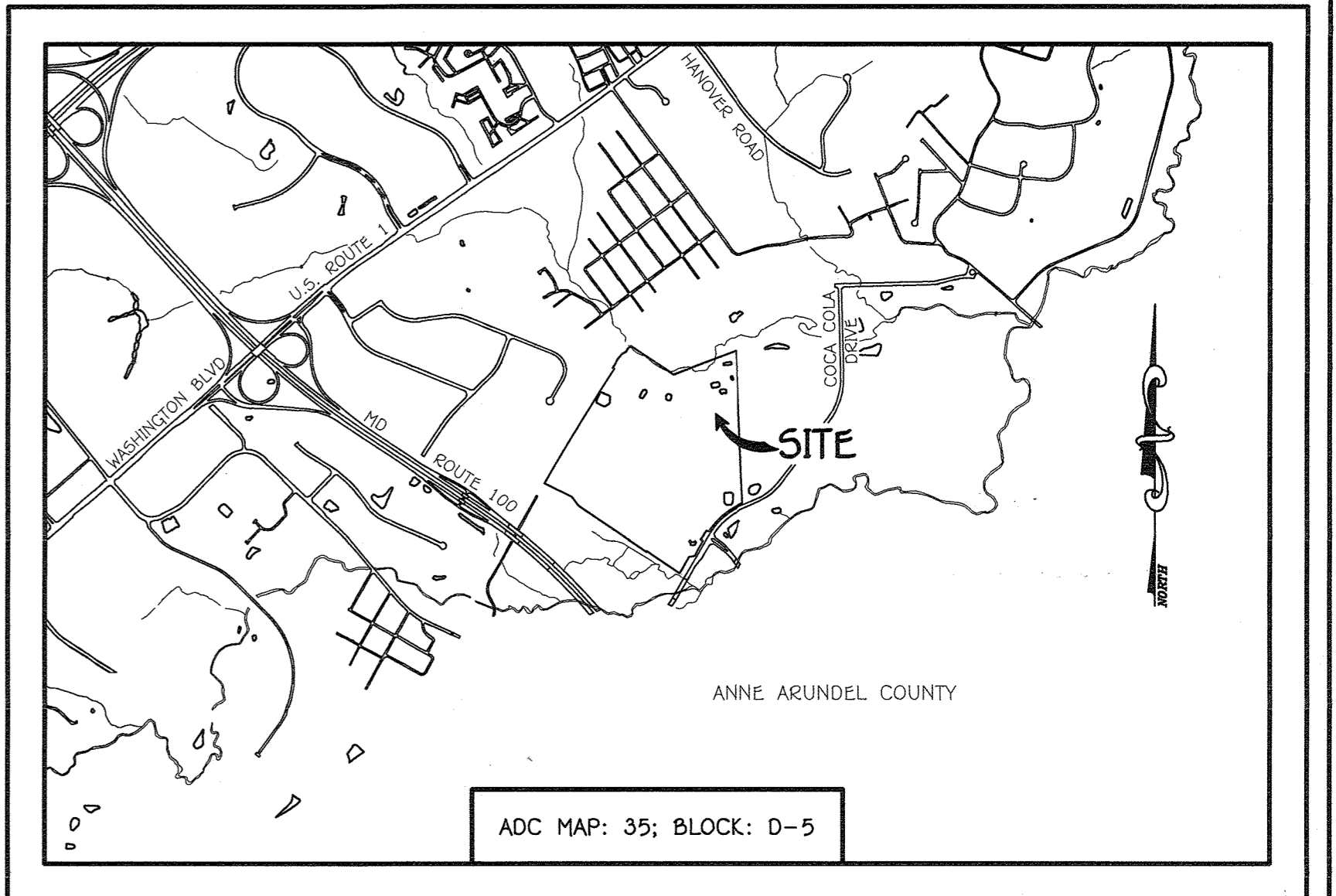
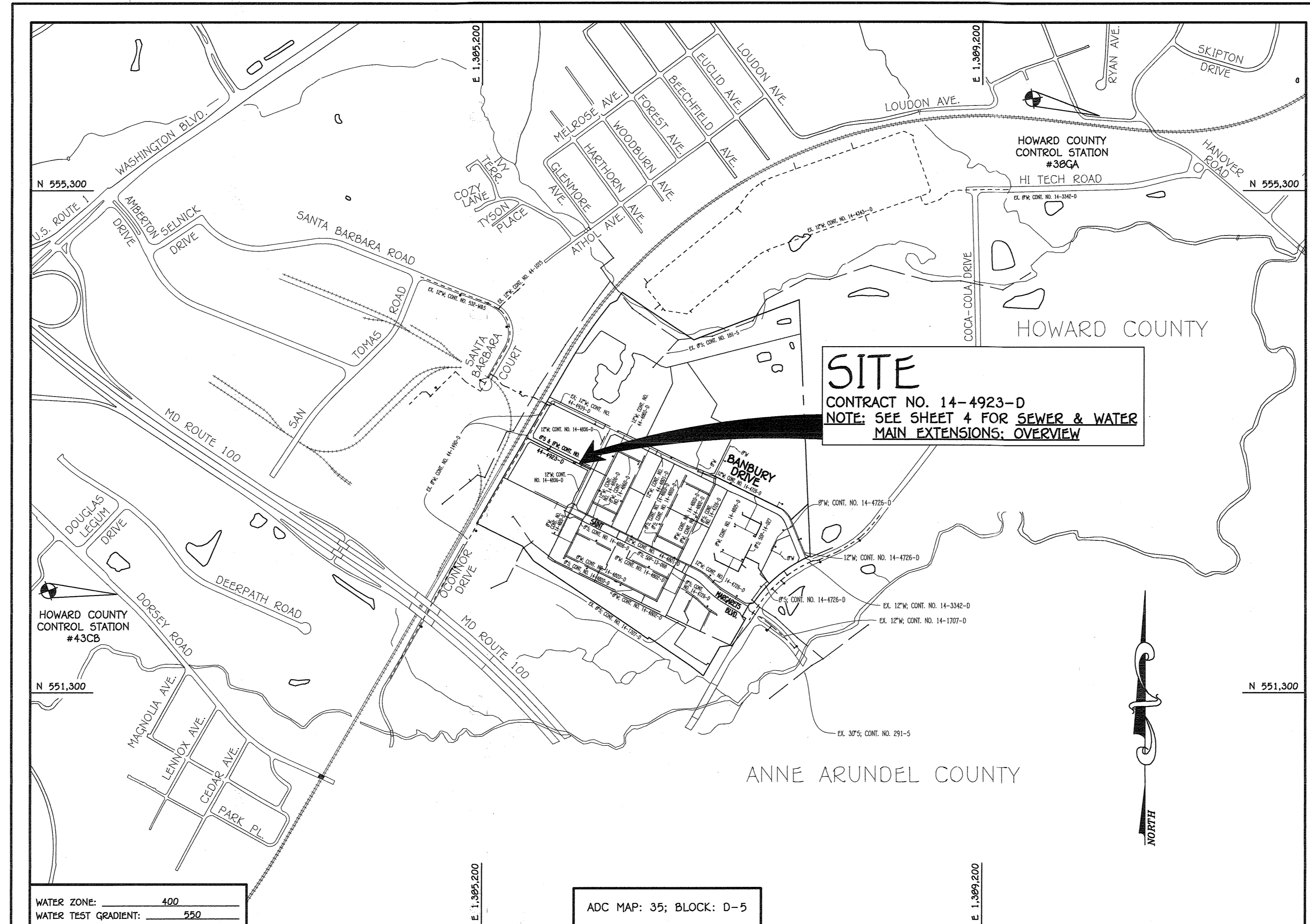


QUANTITIES				
ITEM	ESTIMATED	AS-BUILT		SUPPLIER
		QUANTITIES	TYPE	
8" PVC, SDR-35	71 L.F.	71 L.F.	SDR-35	CORE & MAIN
MANHOLES	1 EACH	1 EACH	PRE-CAST	
8" PLUG	3 EACH	3 EACH	D.I.P.	CORE & MAIN
8" PVC, DR-18	596 L.F.	596 L.F.	C-900	CORE & MAIN
8" PVC, DR-18	24 EACH	24 EACH	D.I.P. CL-S4	CORE & MAIN
12" TAPPING SLEEVE	1 EACH	1 EACH	FORD	CORE & MAIN
8" TAPPING SLEEVE	1 EACH	1 EACH	FORD	CORE & MAIN
8" TAPPING VALVE	2 EACH	2 EACH	KENNEDY	CORE & MAIN
4" H.D.C.	1 EACH	1 EACH	CERTAINTIED	CORE & MAIN
8" X 8" TEE	2 EACH	2 EACH	SIGMA	CORE & MAIN
8" VALVE	2 EACH	2 EACH	KENNEDY	CORE & MAIN
8" PLUG & BUTTRESS	2 EACH	2 EACH	SIGMA	CORE & MAIN
8" X 8" F.H. TEE	2 EACH	2 EACH	SIGMA	CORE & MAIN
6" VALVE	2 EACH	2 EACH	KENNEDY	CORE & MAIN
FIRE HYDRANT	2 EACH	2 EACH	KENNEDY	CORE & MAIN
CONTINUITY TEST STATION	2 EACH	2 EACH	AGAVE WIRE	CORE & MAIN

NAME OF UTILITY CONTRACTOR: S. E. H.  
SURVEY & DRAFTING DIVISION AS-BUILT DATE:



TYPE OF BUILDING:	RESIDENTIAL - APARTMENT BUILDING
NUMBER OF PARCELS:	1
NO. OF WATER HOUSE CONNECTIONS:	1
NO. OF SEWER HOUSE CONNECTIONS:	1
SEWER SHED:	PATAPSCO
TREATMENT PLANT:	PATAPSCO WASTEWATER TREATMENT PLANT CITY OF BALTIMORE

# CONTRACT NO. 14-4923-D

# OXFORD SQUARE

# DARTMOOR PLACE

# PARCEL 'F-F' & OPEN SPACE LOT 377

# SEWER AND WATER MAIN EXTENSIONS

# HOWARD COUNTY, MARYLAND

## GENERAL NOTES

SCALE: 1" = 200'

- PART A**
- APPROXIMATE LOCATIONS OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
  - TOPOGRAPHIC FIELD SURVEYS WERE PERFORMED ON OR ABOUT MAY, 2010 BY FISHER, COLLINS & CARTER, INC.
  - HORIZONTAL AND VERTICAL SURVEY CONTROLS: THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD '83/91' AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 38CA & NO. 43CB.
  - ALL VERTICAL CONTROLS ARE BASED ON NAVD '83 VERTICAL CONTROLS PROVIDED ON THE DRAWINGS.
  - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
  - CLEAR ALL UTILITIES BY A MINIMUM OF 12 INCHES. CLEAR ALL POLES BY 5'-0" MINIMUM OR TUNNEL AS REQUIRED UNLESS OTHERWISE NOTED. THE OWNER HAS CONTACTED THE UTILITY COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR THE BRACING OF THE ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONIES OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
  - FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST EDITION). THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB SITE.
  - WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL AT THE LOCATIONS OF THE TEST PITS. A NOTE OR NOTES CONTAINING THE LOCATION OF THE TEST PIT OR PITS IS INCLUDED ON THE DRAWINGS. EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE NOT BEEN DUG SHALL BE LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE.
  - THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 

AT&T	1-800-252-1133
BGE (CONTRACTOR SERVICES)	410-637-8713
BGE (EMERGENCY)	410-699-0125
BUREAU OF UTILITIES	410-313-4900
COLONIAL PIPELINE CO.	410-795-1390
MISS UTILITY	1-800-257-7777
STATE HIGHWAY ADMINISTRATION	410-531-5533
VERIZON	1-800-743-0033 / 410-224-9210
  - TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
  - CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG THE LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE CONSTRUCTION OF THE MAIN.
  - THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410)-313-7450 AT LEAST FIVE WORKING DAYS BEFORE OPEN CUTTING OR BORING/JACKING FOR LAYING WATER/SEWER MAINS OR FOR CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.11.1(a) OF THE HOWARD COUNTY CODE.
- PART B: WATER MAIN GENERAL NOTES**
- ALL WATER MAINS SHALL BE ANNA C900 PVC, DR-18.
  - TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" OF COVER UNLESS OTHERWISE NOTED.
  - VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
  - ALL FITTINGS SHALL BE BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
  - FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD DETAILS. THE SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND SECTION 1005 OF THE STANDARD SPECIFICATIONS.
  - THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
  - TRACER WIRE AND CONTINUITY TEST STATIONS SHALL BE INSTALLED ON ALL D.I.P. AND PVC WATER MAINS IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL.
  - FOR PVC WATER MAINS, ALL RECORDS FOR THE QUALITY CONTROL AND QUALIFICATION TEST REQUIREMENTS NOTED IN SECTION 2.11 OF THE ANNA STANDARD C900 FOR PVC PRESSURE PIPE SHALL BE SUBMITTED WITH THE PIPE MATERIAL CERTIFICATIONS OR SHOP DRAWINGS PRIOR TO APPROVAL OF THE MATERIAL FOR USE. THE TEST RECORDS SHALL BE FOR THE PIPE TO BE INSTALLED UNDER THIS CONTRACT. ALL PVC PIPE SHALL CONTAIN MARKINGS TO ALLOW CROSS REFERENCING OF THE PIPE SUPPLIED TO THE TEST RECORDS RECEIVED.
  - UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS, SEVENTEEN (17) POUND SACRIFICIAL ANODES SHALL BE INSTALLED ON ALL VALVES AND METALLIC FITTINGS USED WITH PVC WATER MAINS IN ACCORDANCE WITH VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. MAGNESIUM ANODES SHALL BE INSTALLED ON ALL VALVES AND DUCTILE IRON FITTINGS INCLUDING RESTRAINTS AND HARNESSES. ZINC ANODES SHALL BE INSTALLED ON ALL STAINLESS STEEL FITTINGS AND SADDLES USED WITH PVC MAINS. ALL TEES USED WITH PVC MAINS SHALL BE BUTTLED IRON.
  - PROPER ASSEMBLY OF GASKETED PVC PIPE JOINTS: THE MANUFACTURER'S INSERTION LINE OF GASKETED PVC PIPE JOINTS INDICATES THE MAXIMUM DEPTH OF INSERTION OF THE SPIGOT INTO THE BELL. AFTER ASSEMBLY OF THE JOINT, THE INSERTION LINE SHALL REMAIN VISIBLE. DUAL GASKETON LINES ON GASKETED PVC PIPE INDICATE THE MAXIMUM AND MINIMUM DEPTH OF INSERTION OF THE SPIGOT INTO THE BELL. THE CONTRACTOR SHALL NOT OVER INSERT OR OVER HOME THE SPIGOT INTO THE BELL OF PVC PIPE.
  - ALL CHANGES IN HORIZONTAL OR VERTICAL DIRECTION OF PVC WATER PIPE SHALL BE MADE WITH STANDARD BENDS, 5-DEGREE SWEEPS OR HIGH DEFLECTION(COUPLES) COUPLINGS. NO BENDING OF THE PIPE OR DEFLECTION OF PVC PIPE JOINTS IS PERMITTED, WHERE HIGH DEFLECTION COUPLINGS OR 5-DEGREE SWEEPS ARE PERMITTED, THE CONTRACTOR SHALL PROVIDE ONE FULL PIPE LENGTH (20 FOOT LONG) ON EITHER SIDE OF THE HIGH DEFLECTION COUPLING OR 5-DEGREE SWEEP, TAKING CARE NOT TO USE COMPACTION EQUIPMENT DIRECTLY OVER THE FITTING.
  - PVC HIGH DEFLECTION COUPLINGS SHALL BE LIMITED TO A TOTAL OF 3-DEGREES (1 1/2-DEGREE ON EITHER END OF THE COUPLING), SHALL BE RATED FOR A MINIMUM 200 PSI MEETING THE REQUIREMENTS OF ANNA C900, SHALL HAVE A MINIMUM LAY LENGTH OF 9-INCHES AND SHALL HAVE CENTER STOPS. PVC HIGH DEFLECTION COUPLINGS SHALL BE CERTAINTIED PVC HIGH DEFLECTION (HD) STOP COUPLINGS OR EQUAL.
  - FIVE DEGREE SWEEPS SHALL BE BELL BY SPIGOT, RATED FOR A MINIMUM 225 PSI, DR-18 MEETING THE REQUIREMENTS OF ANNA C900 AND SHALL BE MULTI FITTINGS (PEX) BLUE BRUTE DR-18 OR EQUAL.
  - WHEN PVC HIGH DEFLECTION COUPLINGS OR PVC 5-DEGREE SWEEPS ARE USED TO FACILITATE CHANGES IN HORIZONTAL OR VERTICAL ALIGNMENTS OF ANNA C900 PVC PIPELINES, THE CONTRACTOR SHALL INSERT DEVICES FOR THE PREVENTION OF OVER-INSERTION OF THE PVC PIPE SPIGOTS OR PLAIN ENDS INTO THE PUSH BELL. BELL STOP SHALL BE INSTALLED ON BOTH ENDS OF THE HIGH DEFLECTION COUPLINGS AND 5-DEGREE SWEEPS. BELL STOPS SHALL BE PLACED AT THE PROPER INSERTION LINE FOR THE FITTING. THE BELL STOP SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUFACTURER'S INSTRUCTIONS AND CONTRACT. THE BELL STOPS SHALL BE SERIES 5000 MEGA-STOP, AS MANUFACTURED BY E&A IRON, INC. OR APPROVED EQUAL.
- PART C: SEWER MAIN GENERAL NOTES**
- ALL SEWER MAINS SHALL BE D.I.P. OR P.V.C. UNLESS OTHERWISE NOTED.
  - ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
  - FORCE MAINS SHALL BE D.I.P. ONLY.
  - MANHOLES SHOWN WITH 12" AND 18" WALLS ARE FOR BRICK. MANHOLES ONLY.
  - MANHOLES DESIGNATED "R" IN PLAN AND PROFILE SHALL HAVE WATER-TIGHT FRAME AND COVER, STANDARD DETAIL 05.92. WHERE WATER-TIGHT MANHOLE FRAMES AND COVERS ARE USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
  - HOUSES WITH THE SYMBOL INDICATES THAT CELLAR CANNOT BE SERVED.

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

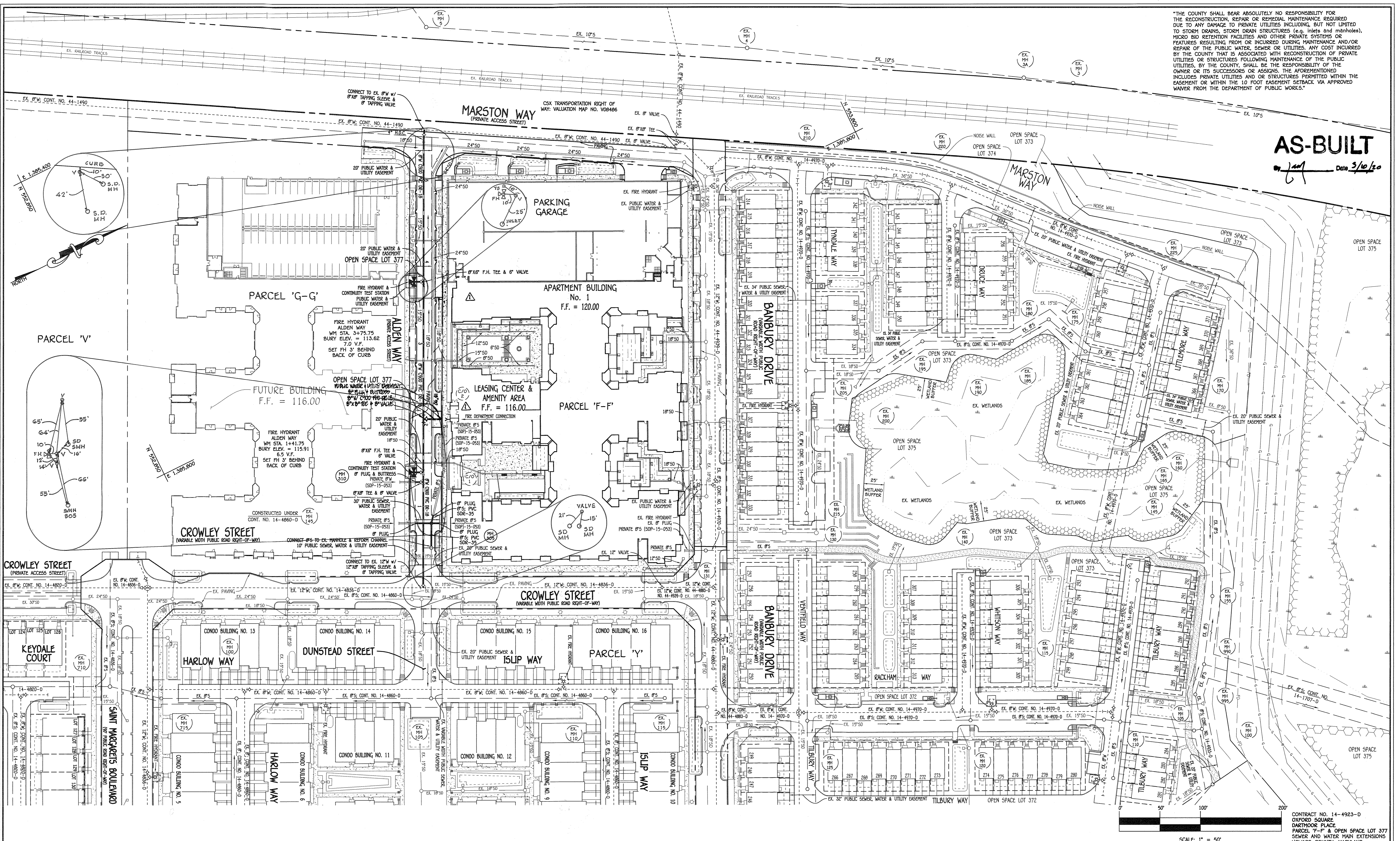
DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND  CHIEF, BUREAU OF UTILITIES DATE: 4/25/17	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND  CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE: 5.17.17	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 12043 EXPIRATION DATE IS 7/18/18.  PAUL W. KRIEBEL	DESIGNED BY: B.C.R. DRAWN BY: B.C.R. CHECKED BY: P.W.K. DATE: 10/24/17 BY: PDC	OWNER: KELLOGG-COP, LLC c/o DAVID P. SCHEFFENACKER, JR. MANAGING MEMBER 100 WEST ROAD, SUITE 304 TOWSON, MARYLAND 21284 PHONE: 410-296-3800	DEVELOPER: PRESTON - SCHEFFENACKER PROPERTIES 100 WEST ROAD, SUITE 304 TOWSON, MARYLAND 21284 PHONE: 410-296-3800	CONTRACT NO. 14-4923-D OXFORD SQUARE DARTMOOR PLACE PARCEL 'F-F' & OPEN SPACE LOT 377 SEWER AND WATER MAIN EXTENSIONS HOWARD COUNTY, MARYLAND	SCALE AS SHOWN SHEET 1 OF 4
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60' SCALE MAP NO. 38 BLOCK NO. 19 & 20  
F.C.C. WORK ORDER NO. 09014-3014  
FILE NAME: SEWER AND WATER MAIN EXTENSIONS PLAN

I:\2009\09014.dwg Water & Sewer Contract No. 14-4923-D (SDP-15-053) Final\Final\09014-3014 Water and Sewer Contract Plan.dwg  
 I:\2009\09014.dwg Water & Sewer Contract No. 14-4923-D (SDP-15-053) Final\Final\09014-3014 Water and Sewer Contract Plan.dwg

"THE COUNTY SHALL BEAR ABSOLUTELY NO RESPONSIBILITY FOR THE RECONSTRUCTION, REPAIR OR REMEDIAL MAINTENANCE REQUIRED DUE TO ANY DAMAGE TO PRIVATE UTILITIES INCLUDING, BUT NOT LIMITED TO STORM DRAINS, STORM DRAIN STRUCTURES (e.g. inlets and manholes), MICRO BIO RETENTION FACILITIES AND OTHER PRIVATE SYSTEMS OR FEATURES RESULTING FROM OR INCURRED DURING MAINTENANCE AND/OR REPAIR OF THE PUBLIC WATER, SEWER OR UTILITIES. ANY COST INCURRED BY THE COUNTY THAT IS ASSOCIATED WITH RECONSTRUCTION OF PRIVATE UTILITIES OR STRUCTURES FOLLOWING MAINTENANCE OF THE PUBLIC UTILITIES, BY THE COUNTY, SHALL BE THE RESPONSIBILITY OF THE OWNER OR ITS SUCCESSORS OR ASSIGNS. THE AFORESAIDED INCLUDES PRIVATE UTILITIES AND OR STRUCTURES PERMITTED WITHIN THE EASEMENT OR WITHIN THE 10 FOOT EASEMENT SETBACK VIA APPROVED WATER FROM THE DEPARTMENT OF PUBLIC WORKS."

**AS-BUILT**  
 Date 3/10/20



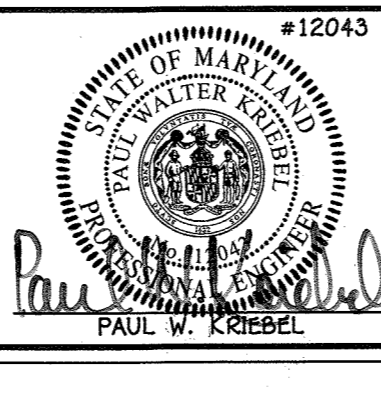
CONTRACT NO. 14-4923-D  
 OXFORD SQUARE  
 DARTMOOR PLACE  
 PARCEL 'F-F' & OPEN SPACE LOT 377  
 SEWER AND WATER MAIN EXTENSIONS  
 HOWARD COUNTY, MARYLAND

SCALE: 1" = 50'

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 Chief, Bureau of Utilities  
 Date 4/12/17

DEPARTMENT OF PLANNING AND ZONING  
 HOWARD COUNTY, MARYLAND  
 Chief, Development Engineering Division  
 Date 5-12-17

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 5/7/18  
**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTONAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
 ELLETT CITY, MARYLAND 21042  
 (410) 461-2999

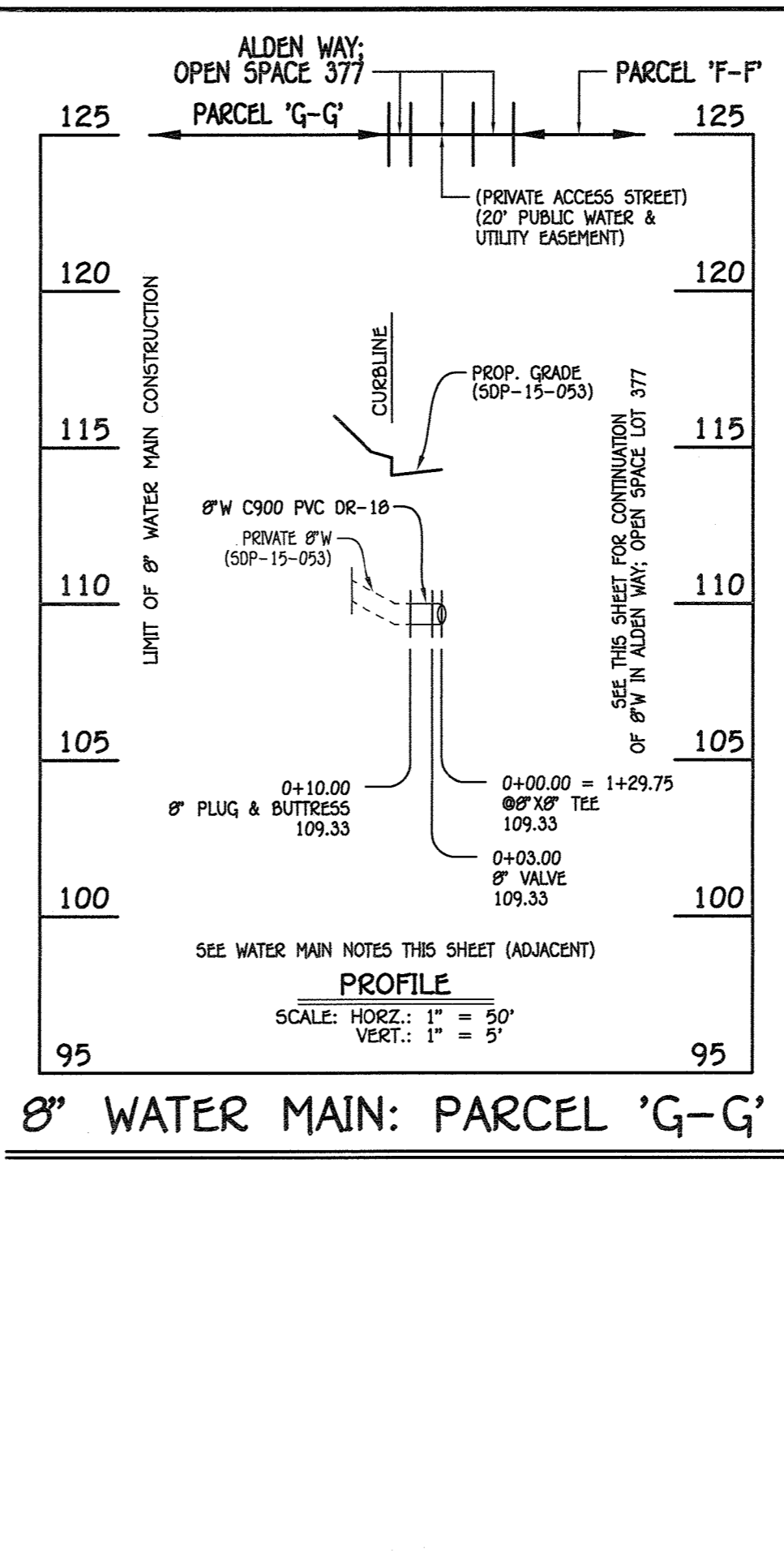
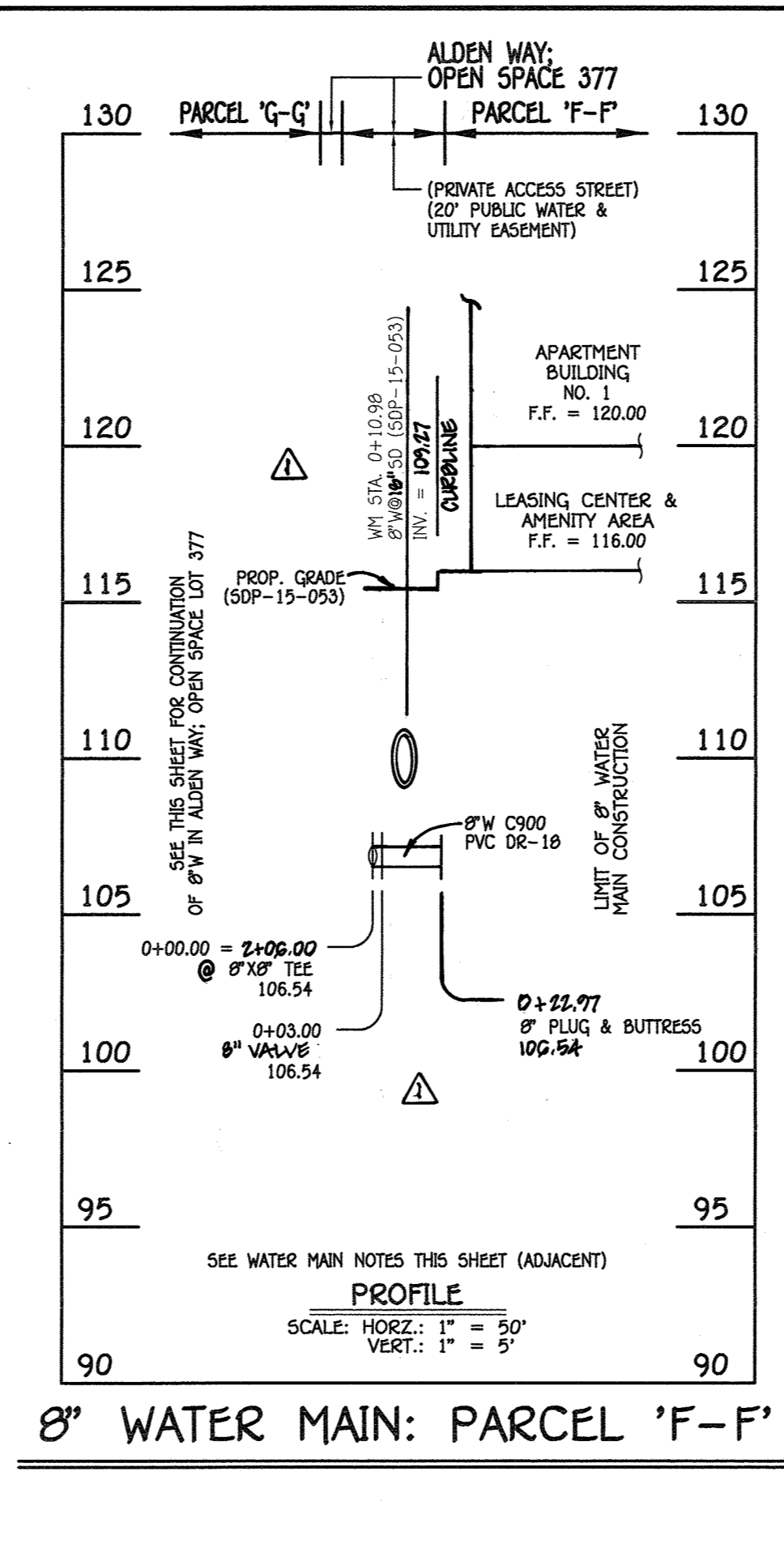
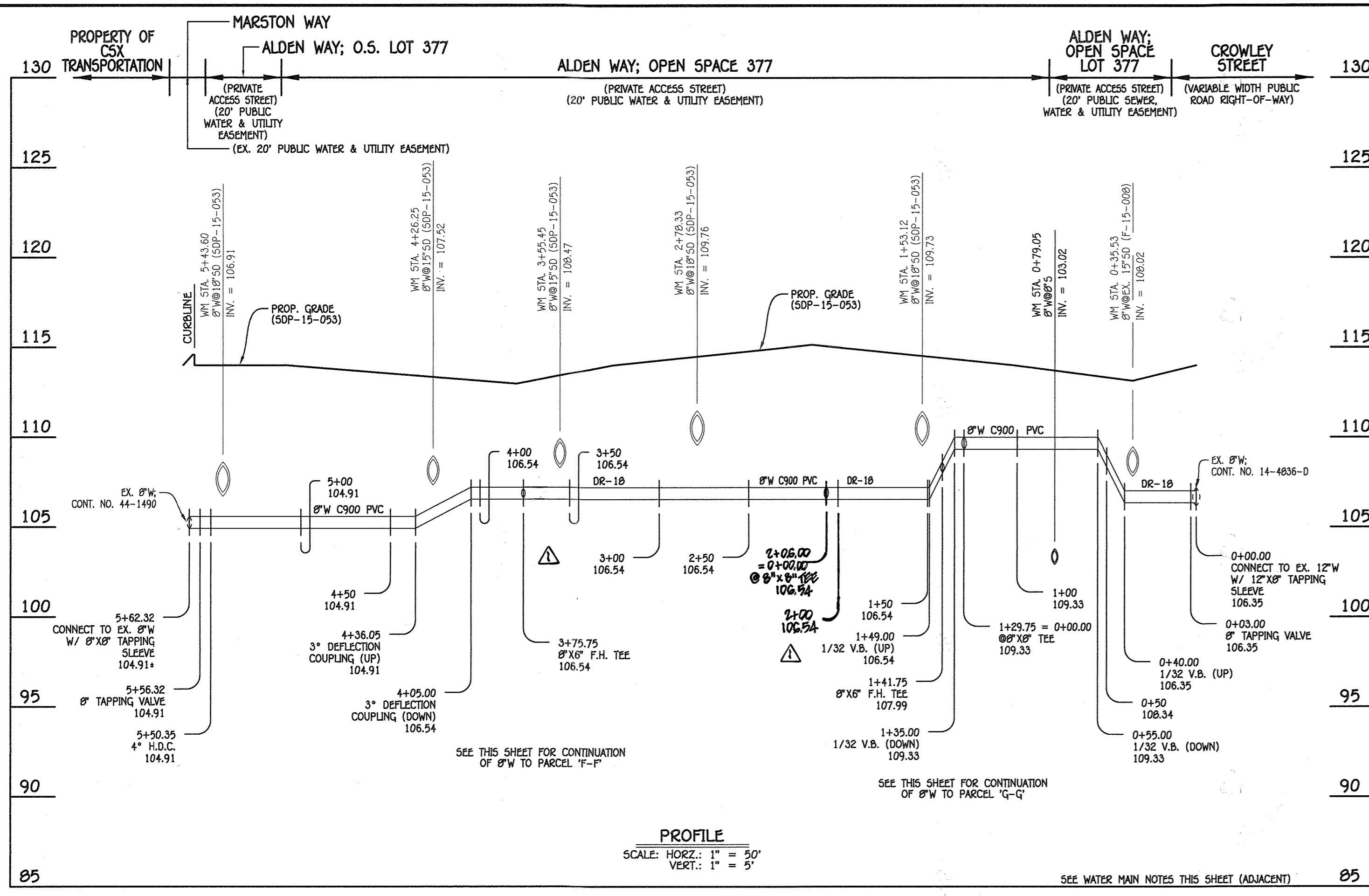


DESIGNED BY: B.C.R.  
 DRAWN BY: B.C.R.  
 CHECKED BY: P.W.K.  
 DATE: APRIL 2017  
 REVISION: REVISE THE 8" WATER CONNECTION TO PARCEL 'F-F', DARTMOOR PLACE

SEWER AND WATER MAIN EXTENSIONS PLAN  
 600' SCALE MAP NO. 38 BLOCK NO. 19 & 20  
 F.C.C. WORK ORDER NO. 09014-3014  
 FILE NAME: SEWER AND WATER MAIN EXTENSIONS PLAN

OXFORD SQUARE  
 DARTMOOR PLACE  
 PARCEL 'F-F' & OPEN SPACE LOT 377  
 SEWER AND WATER MAIN EXTENSIONS  
 CONTRACT NO. 14-4923-D  
 FIRST ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 SCALE AS SHOWN  
 SHEET 2 OF 4

14-4923-D (SOP-15-053)F-17-0420(F-F)Final(09014-3014) Water and Sewer Contract Plan.dwg



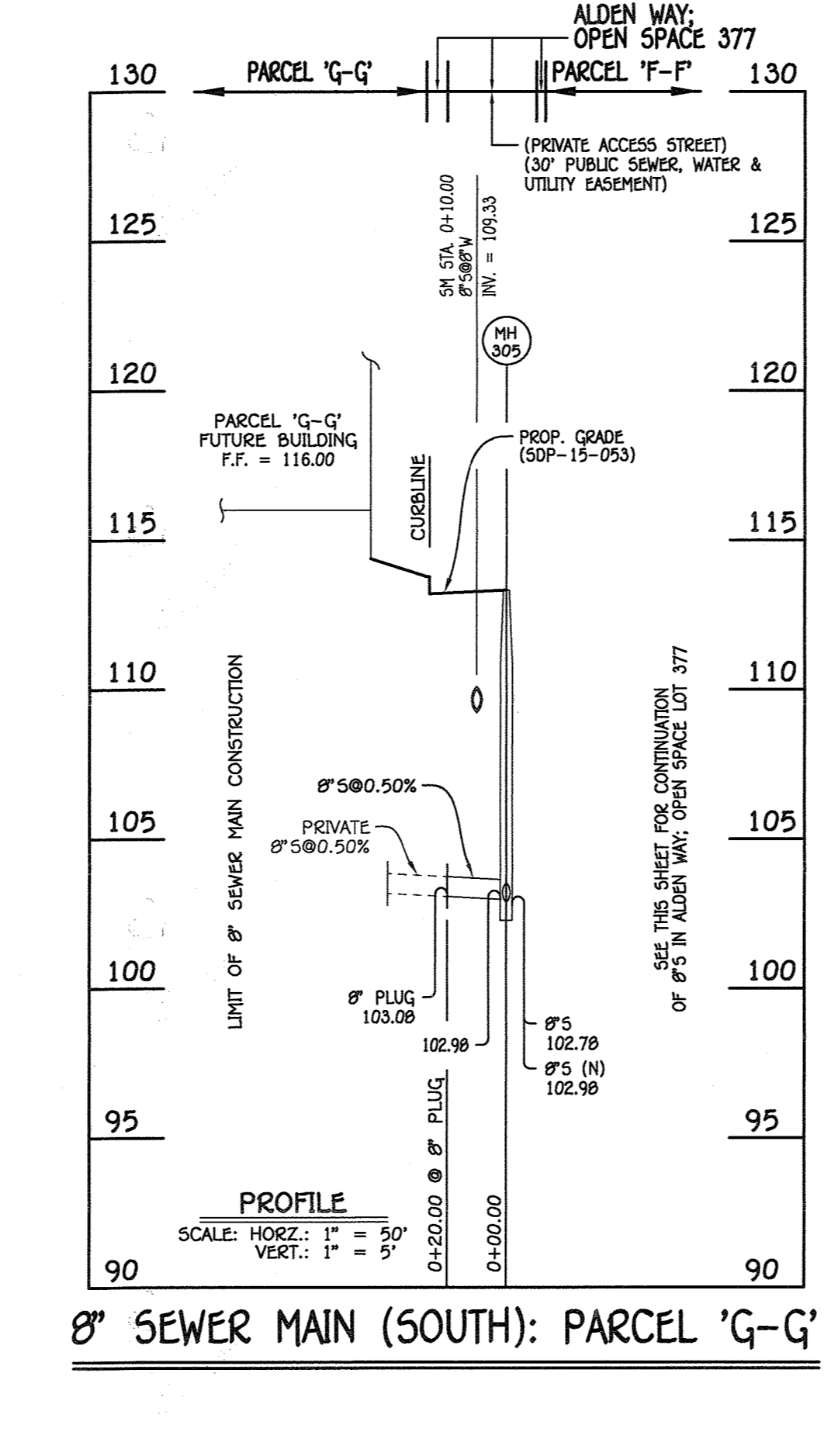
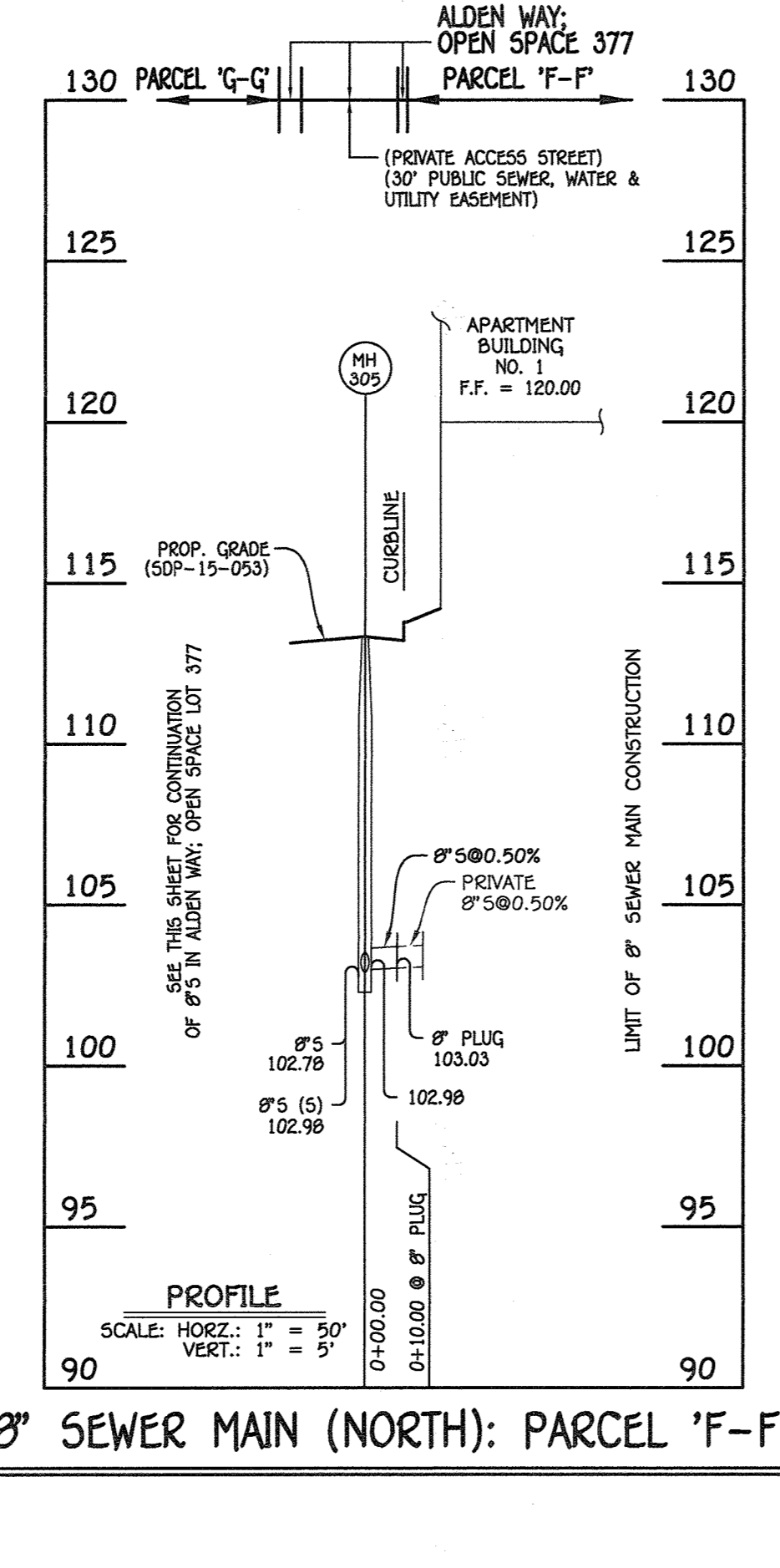
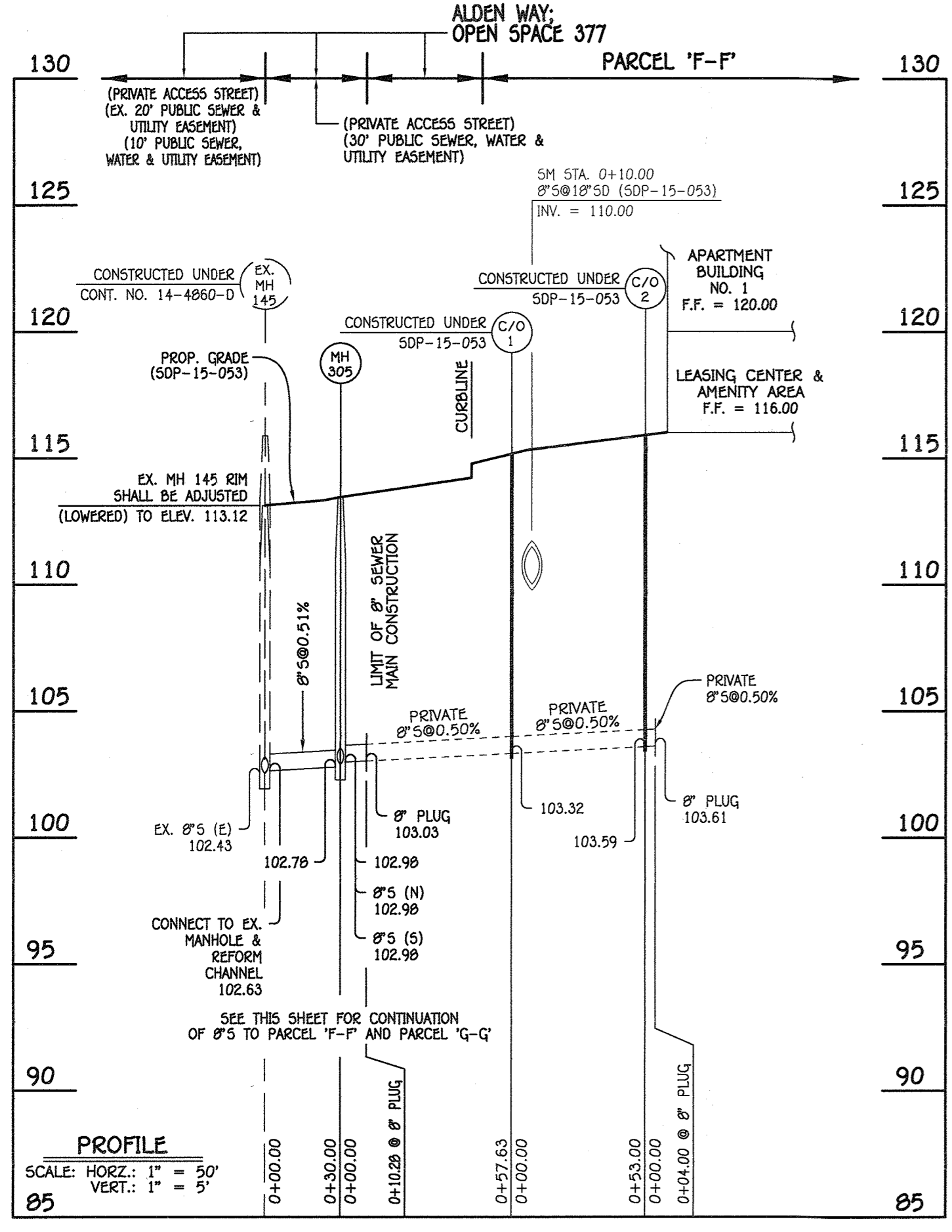
**WATER MAIN NOTES:**  
 1. ALL WATER MAINS SHALL BE AWWA C900 PVC PIPE, DR-18.  
 2. ALL PIPE BEDDING, TRACER WIRE, LOCATING TAPE AND OTHER APPURTENANCES SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV - WATER AND SEWER STANDARDS FOR AWWA C900 PVC WATER PIPE INSTALLATION.  
 3.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

W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: ALDEN WAY; OPEN SPACE LOT 377			
0+00.00	12" X 8" TAPPING SLEEVE	553074.95	1386066.30
0+03.00	8" TAPPING VALVE	553076.28	1386063.61
1+29.75 = 0+00.00	8" X 8" TEE	553132.36	1385949.94
1+41.75	8" X 6" F.H. TEE	553137.67	1385939.18
2+06.00 = 0+00.00	8" X 8" TEE	553166.10	1385981.56
3+75.75	8" X 6" F.H. TEE	553241.20	1385729.33
5+50.35	4" H.D.C.	553318.46	1385572.75
5+56.32	8" TAPPING VALVE	553321.47	1385567.59
5+62.32	8" X 8" TAPPING SLEEVE	553324.50	1385562.41

W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: PARCEL 'F-F'			
0+00.00 = 2+06.00	8" X 8" TEE	553166.10	1385981.56
0+03.00	8" VALVE	553129.67	1385948.61
0+22.77	8" PLUG & BUTTRESS	553166.07	1385981.72

W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: PARCEL 'G-G'			
0+00.00 = 1+29.75	8" X 8" TEE	553132.36	1385949.94
0+03.00	8" VALVE	553129.67	1385948.61
0+10.00	8" PLUG & BUTTRESS	553123.39	1385945.51

8" WATER MAIN: ALDEN WAY; OPEN SPACE LOT 377



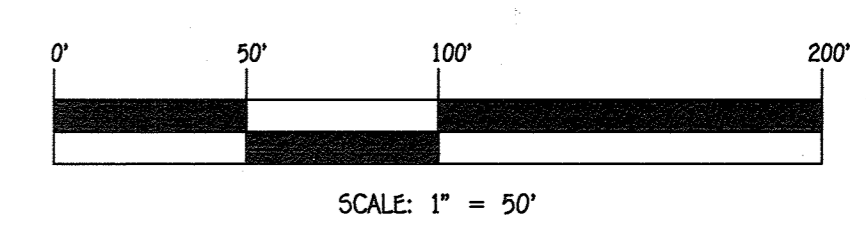
NO.	NORTHING	EASTING	RIM ELEVATION
8" SEWER MAIN: ALDEN WAY; PARCEL 'F-F'			
305	553118.89	1385999.83	113.45
8" PLUG	553125.45	1385991.91	---

NO.	NORTHING	EASTING	RIM ELEVATION
8" SEWER MAIN (NORTH): PARCEL 'F-F'			
8" PLUG	553127.86	1386004.26	---

NO.	NORTHING	EASTING	RIM ELEVATION
8" SEWER MAIN (SOUTH): PARCEL 'G-G'			
8" PLUG	553100.96	1385990.99	---

NOTE: SET MH RIM FLUSH W/PROPOSED GRADE.

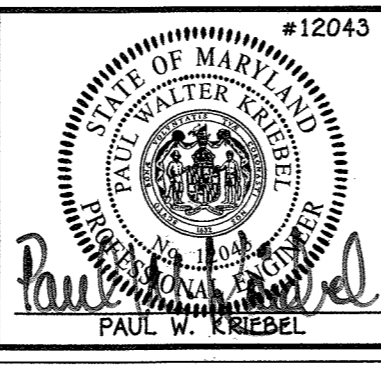
**AS-BUILT**  
 Date 3/10/20



DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 CHIEF, BUREAU OF UTILITIES  
 DATE 4/15/17

DEPARTMENT OF PLANNING AND ZONING  
 HOWARD COUNTY, MARYLAND  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 DATE 5.12.17

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  
 CENTONAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
 ELLICOTT CITY, MARYLAND 21042  
 (410) 461-2999



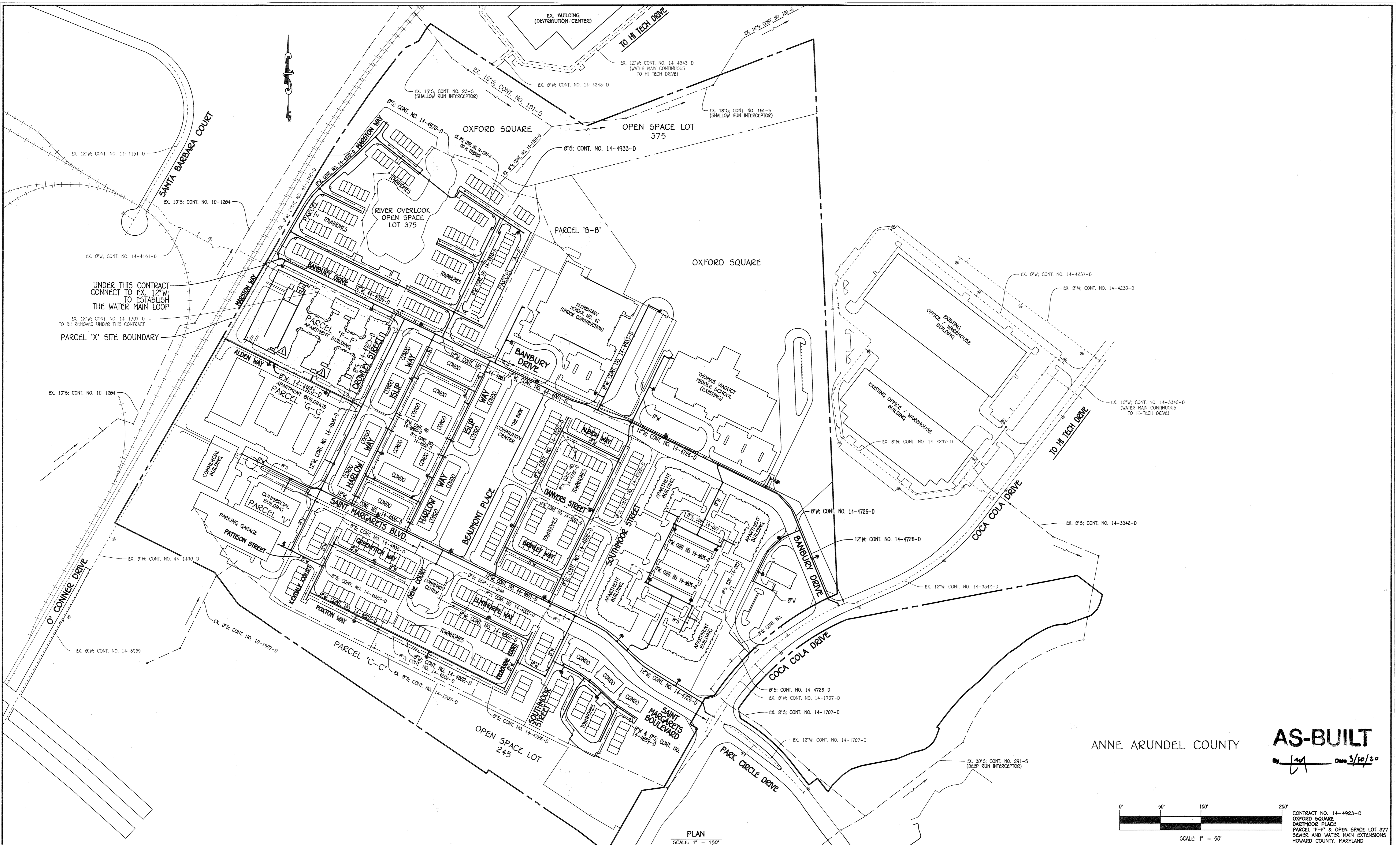
DESIGNED BY: B.C.R.  
 DRAWN BY: B.C.R.  
 CHECKED BY: P.W.K.  
 DATE: APRIL 2017  
 REVISION: 10/24/17

SEWER AND WATER MAIN EXTENSIONS  
 PROFILES, CHARTS & NOTES  
 60' SCALE MAP NO. 38 BLOCK NO. 19 & 20  
 F.C.C. WORK ORDER NO. 09014-3014  
 FILE NAME: SEWER AND WATER MAIN EXTENSIONS PLAN

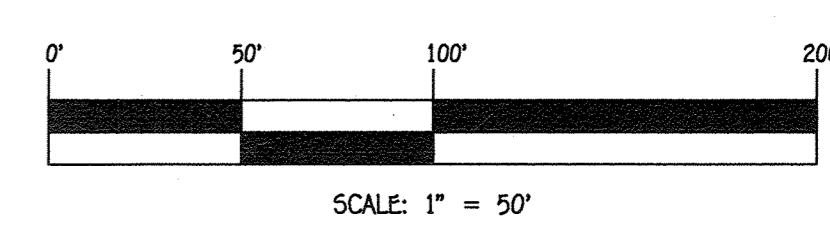
OXFORD SQUARE  
 DARTMOOR PLACE  
 PARCEL 'F-F' & OPEN SPACE LOT 377  
 SEWER AND WATER MAIN EXTENSIONS  
 CONTRACT NO. 14-4923-0  
 FIRST ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 SCALE AS SHOWN  
 SHEET 3 OF 4

I:\2019\09014.dwg - Contract No. 14-4923-0 (SOP-15-053) (F-17-042) (F-F) Final\09014-3014 Water and Sewer Contract Plan.dwg

1:\2009\09014.dwg - Contract No. 14-4923-D (SOP-15-093) - Final\09014-3014 Water and Sewer Contract Plan - Sheet 4.dwg



ANNE ARUNDEL COUNTY  
**AS-BUILT**  
Date 3/16/20

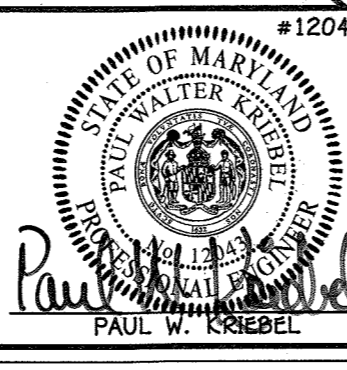


CONTRACT NO. 14-4923-D  
OXFORD SQUARE  
DARTMOOR PLACE  
PARCEL 'F-F' & OPEN SPACE LOT 377  
SEWER AND WATER MAIN EXTENSIONS  
HOWARD COUNTY, MARYLAND

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  
CONTINENTAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PARK  
ELLIOTT CITY, MARYLAND 21142  
(410) 461-2295



DESIGNED BY: B.C.R.  
DRAWN BY: B.C.R.  
CHECKED BY: P.W.K.  
DATE: APRIL, 2017  
BY: NO. REVISION  
RELOCATE THE 8\"/>

SEWER & WATER MAIN EXTENSIONS OVERVIEW  
600' SCALE MAP NO. 38 BLOCK NO. 19 & 20  
F.C.C. WORK ORDER NO. 09014-3014  
DATE: FILE NAME: SEWER AND WATER MAIN EXTENSIONS PLAN

OXFORD SQUARE  
DARTMOOR PLACE  
PARCEL 'F-F' & OPEN SPACE LOT 377  
SEWER AND WATER MAIN EXTENSIONS  
CONTRACT NO. 14-4923-D  
FIRST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE AS SHOWN  
SHEET 4 OF 4