

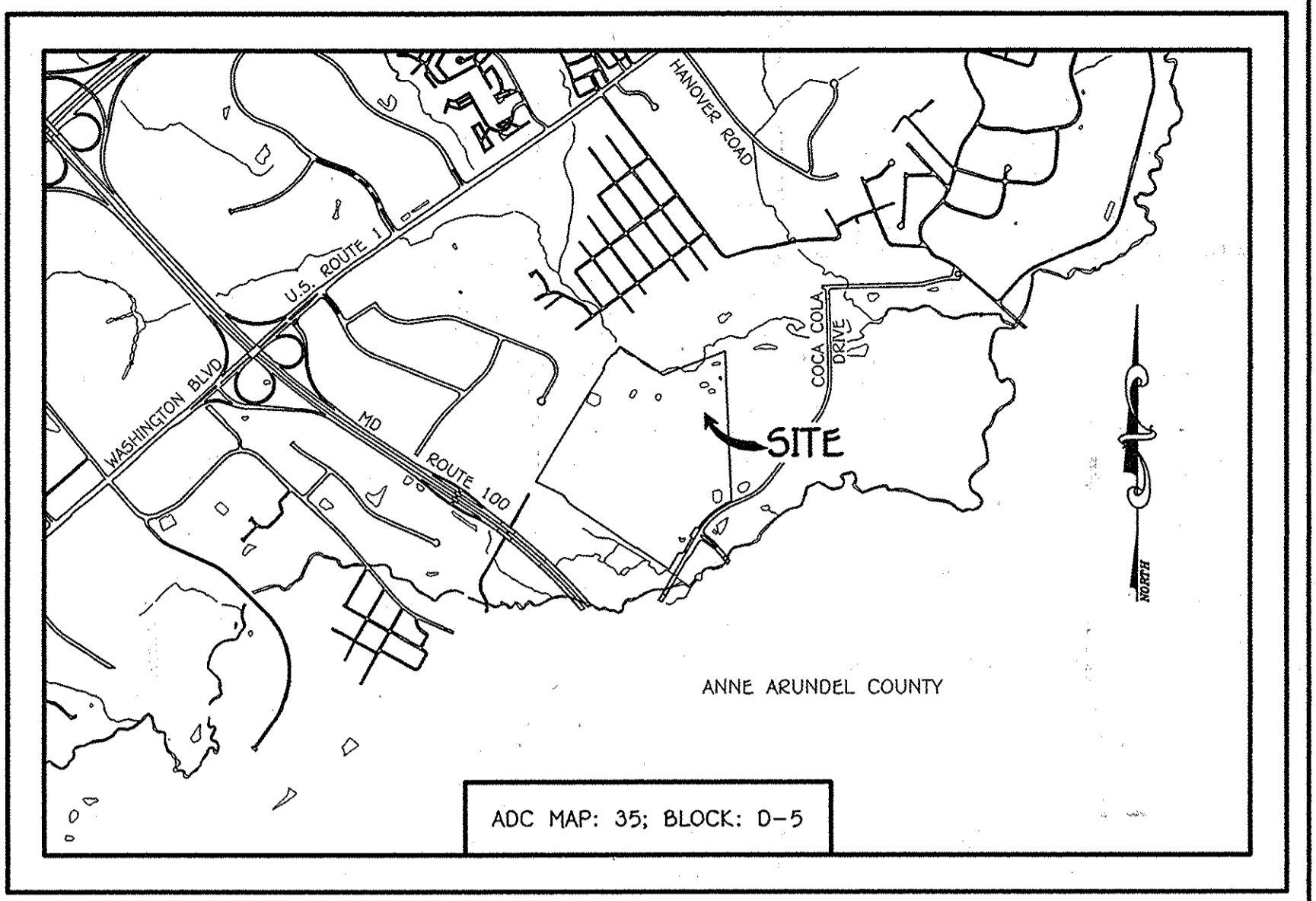
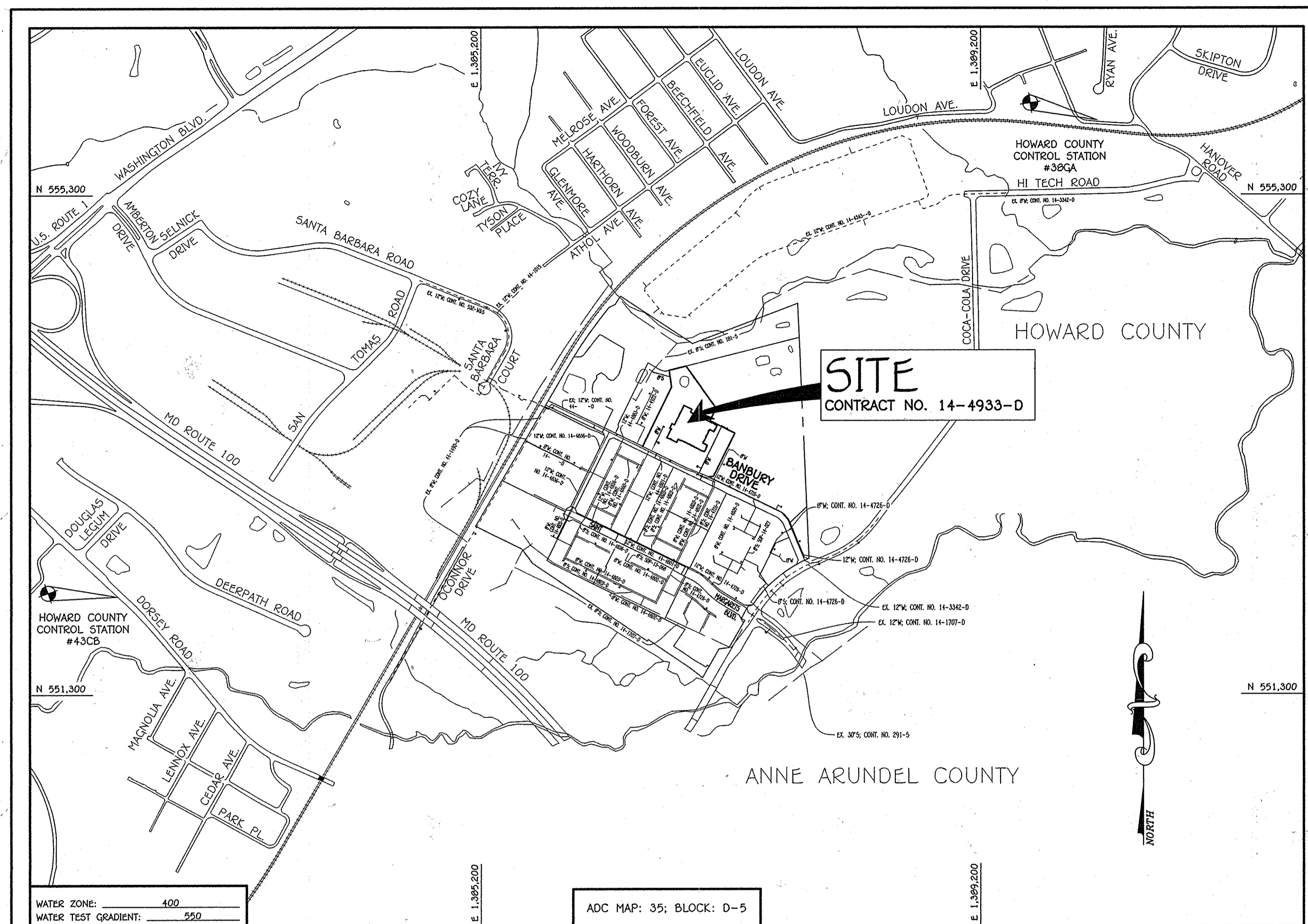
QUANTITIES				
ITEM	ESTIMATED	QUANTITIES	AS-BUILT TYPE	SUPPLIER
8" PVC 50R-35	152			
MANHOLES	3 EACH			
8" W. C900 PVC, DR-18	613 L.F.			
8" W. C900 PVC, DR-18	102 L.F.			
1-1/2" WVC	32 L.F.			
12" TAPPING SLEEVE	1 EACH			
8" X 8" TEE	1 EACH			
8" X 6" F.H. TEE	3 EACH			
6" VALVE	3 EACH			
6" VALVE	3 EACH			
8" TAPPING VALVE	1 EACH			
FIRE HYDRANT	3 EACH			
CONTINUITY TEST STATION	3 EACH			
OUTSIDE METER SETTING	1 EACH			
8" PLUG & BUTTRESS	2 EACH			

NAME OF UTILITY CONTRACTOR: \_\_\_\_\_  
 SURVEY & DRAFTING DIVISION AS-BUILT DATE: \_\_\_\_\_

**BENCHMARK INFORMATION**

B.M.#1 - HOWARD COUNTY CONTROL STATION #38GA - HORIZONTAL - NAD '83  
 LOCATED ALONG RAILROAD AVENUE JUST SOUTH OF RYAN AVENUE. APPROX. 22.6' NORTH FROM THE CENTER LINE OF RAILROAD AVENUE.  
 N 555,997.3373  
 E 1,390,132.0933  
 ELEVATION = 80.783 - VERTICAL - (NAVD '80)

B.M.#2 - HOWARD COUNTY CONTROL STATION #43CB - HORIZONTAL - (NAD '83)  
 LOCATED ALONG THE SOUTHWEST CORNER OF THE EDGE OF PAVING, APPROX. 46.7' EAST OF POWER POLE NO. 19.  
 N 552,084.2466  
 E 1,382,282.4190  
 ELEVATION = 144.991 - VERTICAL - (NAVD '80)



**GENERAL NOTES**

- 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 STATION NO. 38GA & NO. 43CB.
  - ALL VERTICAL CONTROLS ARE BASED ON NAVD '80. 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 (S) AT THE LOCATIONS OF THE TEST PITS. A NOTE OR NOTES CONTAINING THE DEPTH OF THE TEST PIT OR FITS 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)	410-695-0123
BUREAU OF UTILITIES	410-313-4900
COLONIAL PIPELINE CO.	410-795-1950
MISS UTILITY	1-800-297-7777
STATE HIGHWAY ADMINISTRATION	410-531-5553
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)-313-7490 AT LEAST FIVE WORKING DAYS BEFORE OPEN CUTTING OR SOGGING/JACKING OR ANY COUNTY ROAD FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(a) OF THE HOWARD COUNTY CODE.
- PART B: WATER MAIN GENERAL NOTES
- ALL WATER MAINS SHALL BE AWWA 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 OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
  - FIRE HYDRANTS SHALL BE SET TO THE SURF LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND SECTION 1005 OF THE STANDARD SPECIFICATIONS.
  - THE CONTRACTOR SHALL NOT COVER 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 5.1 OF THE AWWA 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 HANGERS. ZINC ANODES SHALL BE INSTALLED ON ALL STAINLESS STEEL FITTINGS AND SADDLES USED WITH PVC MAINS. ALL TEES USED WITH PVC MAINS SHALL BE DUCTILE 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 INSERTION 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 COUPLINGS. NO BENDING OF THE PIPE OR DEFLECTING 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 AWWA C900, SHALL HAVE A MINIMUM LAY LENGTH OF 9-INCHES AND SHALL HAVE CENTER STOPS. PVC HIGH DEFLECTION COUPLINGS SHALL BE CERTAINTED 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 AWWA C900 AND SHALL BE MULTI FITTINGS (BELL) BLUE RESIN 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 AWWA C900 PVC PIPES, THE CONTRACTOR SHALL INSERT DEVICES FOR THE PREVENTION OF OVER-INSERTION OF THE PVC PIPE SPIGOTS OR PLAIN ENDS INTO THE PUSH ON BELL JOINT ON BOTH SIDES 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 OF DUCTILE IRON AND INCORPORATE AN INTEGRATED RETENTION SPRING TO ALLOW FOR PIPE EXPANSION AND CONTRACTION. THE BELL STOPS SHALL BE SERIES 5000 MEGA-STOP, AS MANUFACTURED BY EBAA IRON, INC. OR APPROVED EQUAL.

TYPE OF BUILDING:	ELEMENTARY SCHOOL
NUMBER OF PARCELS:	1
NO. OF WATER HOUSE CONNECTIONS:	
NO. OF SEWER HOUSE CONNECTIONS:	N/A
SEWER SHED:	PATAPSCO
TREATMENT PLANT:	PATAPSCO WASTEWATER TREATMENT PLANT CITY OF BALTIMORE

**LOCATION MAP**

SCALE: 1" = 600'

PLAN REFERENCE NUMBERS:  
 F-16- (REVISION RECORD PLAN)  
 SDP-16-013

**DEVELOPER'S CERTIFICATION**

I, 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. Kriebel, FOR:  
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM 03/09/16  
 SIGNATURE OF DEVELOPER

**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. Kriebel, FOR:  
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM 03-09-16  
 SIGNATURE OF ENGINEER

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE HOWARD COUNTY DESIGN MANUAL - VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION AND AS SHOWN ON THE SITE DEVELOPMENT PLAN, SDP-16-013.

Paul W. Kriebel, FOR:  
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM 03-09-16  
 SIGNATURE OF DEVELOPER

SDP-16-013

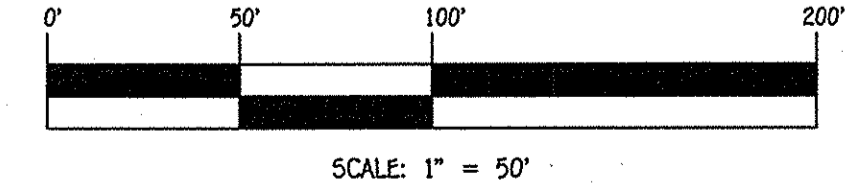
THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY HOWARD SOIL CONSERVATION DISTRICT.

APPROVED:  
 John K. Platon 4/15/16  
 HOWARD SOIL CONSERVATION DISTRICT

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. WVC
---	PROP. SHC
+	PROP. FIRE HYDRANT
◇	PROP. VALVE

CONTRACT NO. 14-4933-D  
**OXFORD SQUARE**  
 ELEMENTARY SCHOOL No. 42  
 PARCEL 'B-B'  
 SEWER AND WATER MAIN EXTENSIONS  
 HOWARD COUNTY, MARYLAND

OWNER / DEVELOPER  
 PREPARED FOR  
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM  
 HARRIET TUBMAN BUILDING  
 8045 HARRIET TUBMAN LANE  
 COLUMBIA, MARYLAND 21044  
 Attention: MR. SCOTT WASHINGTON  
 410-313-6805

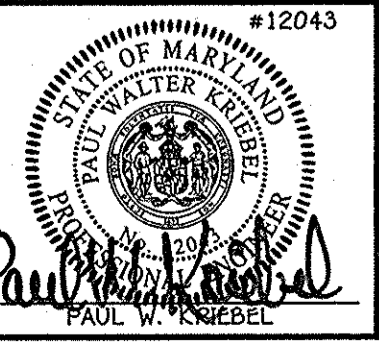


CONTRACT NO. 14-4933-D  
 OXFORD SQUARE  
 ELEMENTARY SCHOOL No. 42  
 PARCEL 'B-B'  
 SEWER AND WATER MAIN EXTENSIONS  
 HOWARD COUNTY, MARYLAND

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 6/7/16/16.



DESIGNED BY:	B.C.R.
DRAWN BY:	B.C.R.
CHECKED BY:	P.W.K.
DATE:	MARCH, 2016
BY NO.	
REVISION	
DATE	

SEWER AND WATER MAIN EXTENSIONS TITLE SHEET	
600' SCALE MAP NO. 30	BLOCK NO. 19 & 20
F.C.C. WORK ORDER NO. 09014-4005	
FILE NAME:	SEWER & WATER MAIN EXTENSIONS PLAN

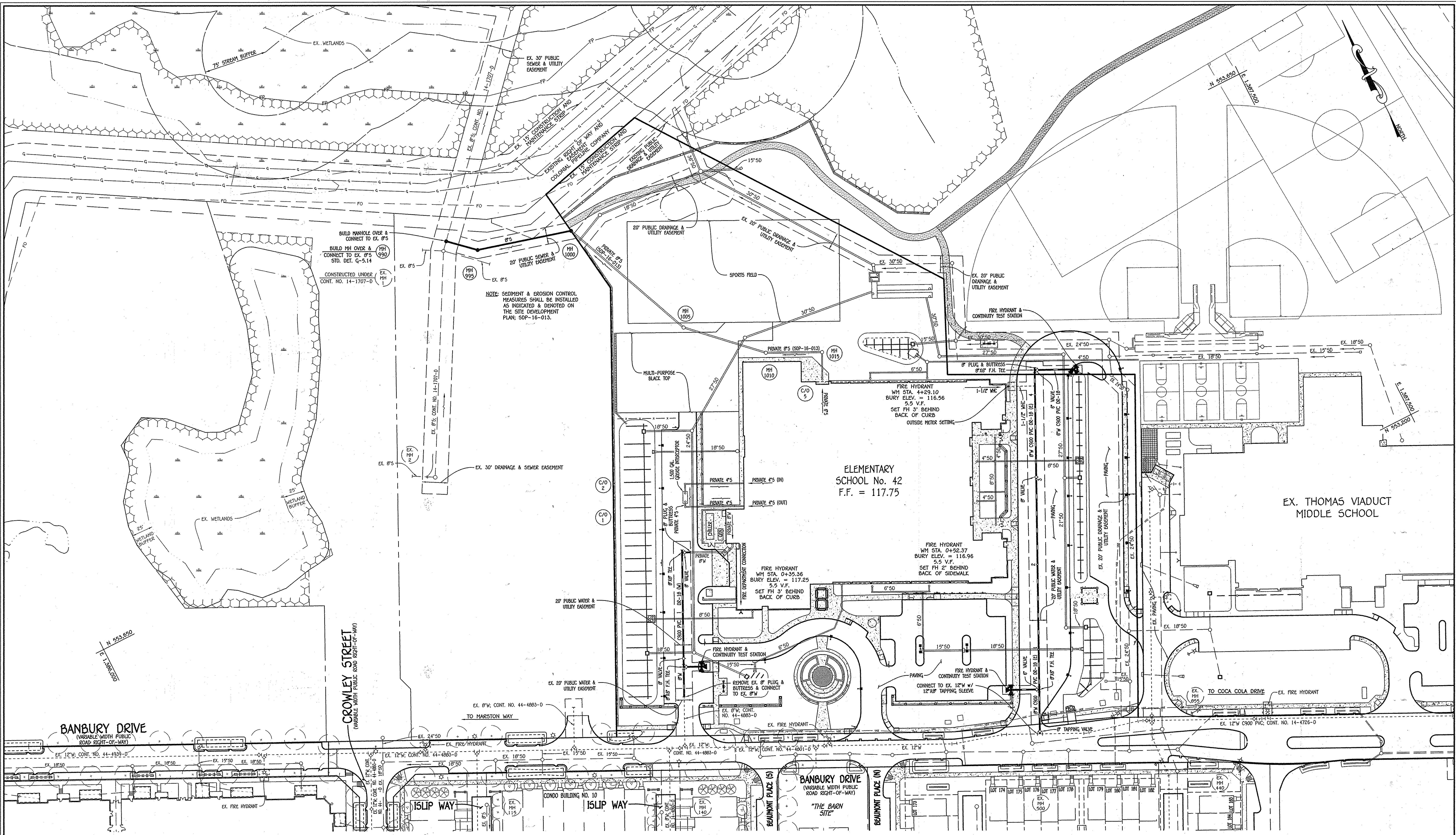
OXFORD SQUARE  
 ELEMENTARY SCHOOL No. 42  
 PARCEL 'B-B'  
 SEWER AND WATER MAIN EXTENSIONS  
 CONTRACT NO. 14-4933-D  
 FIRST ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
 SHEET 1 OF 3

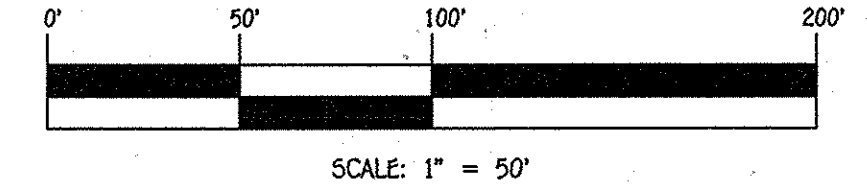
CHIEF, BUREAU OF UTILITIES  
 DATE

CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 DATE

FISHER, COLLINS & CARTER, INC.  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
 ELICOTT CITY, MARYLAND 21042  
 (410) 461-2995



PLAN  
SCALE: 1" = 50'

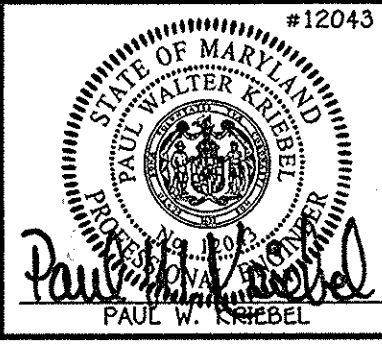


CONTRACT NO. 14-4933-D  
OXFORD SQUARE  
ELEMENTARY SCHOOL No. 42  
PARCEL 'B-B'  
SEWER AND WATER MAIN EXTENSIONS  
HOWARD COUNTY, MARYLAND

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 7/16/16.  
**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALDORNE NATIONAL PIKE  
ELLSWORTH CITY, MARYLAND 21042  
(410) 461-2995

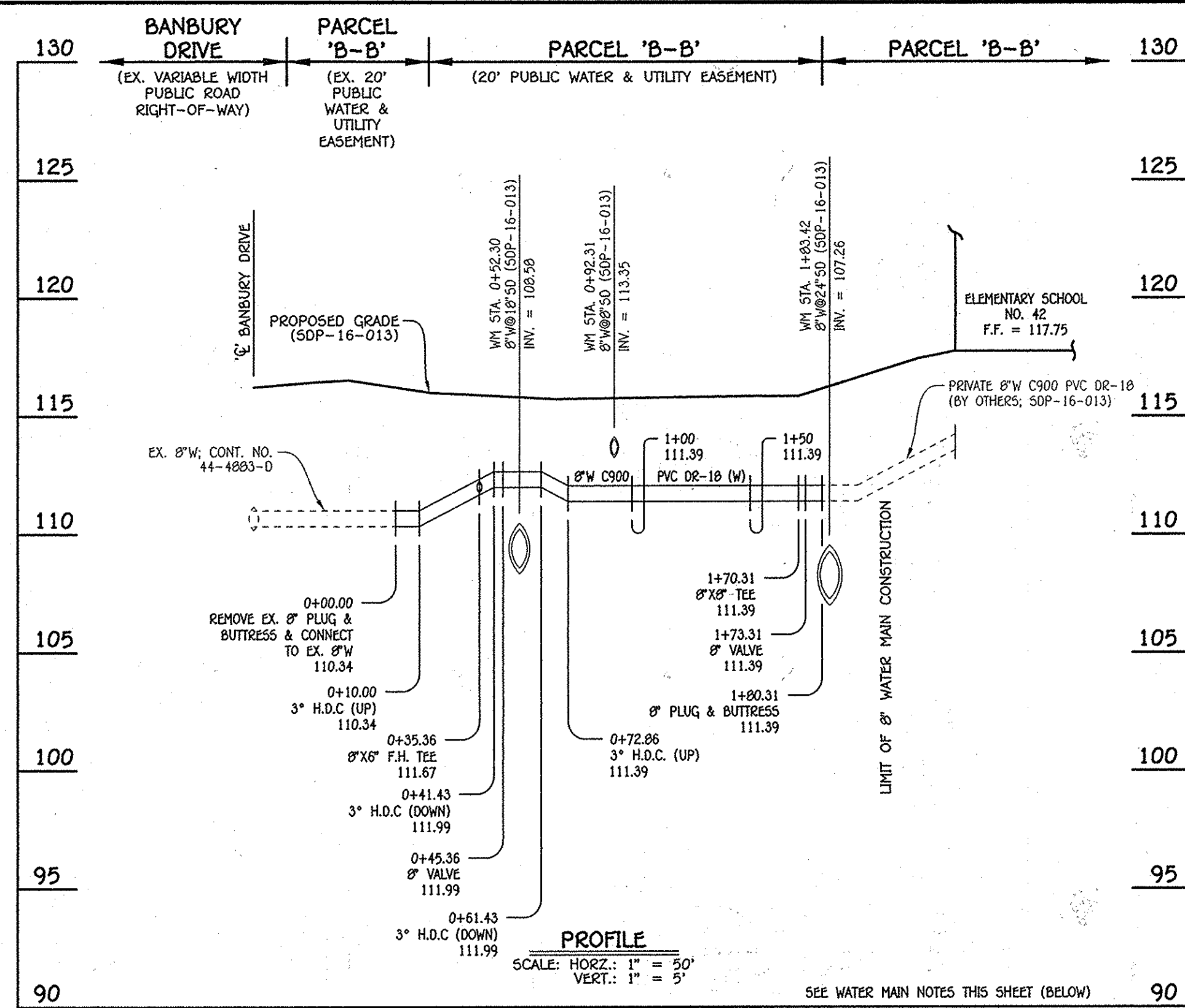


DESIGNED BY : B.C.R.  
DRAWN BY : B.C.R.  
CHECKED BY : P.W.K.  
DATE : MARCH, 2016

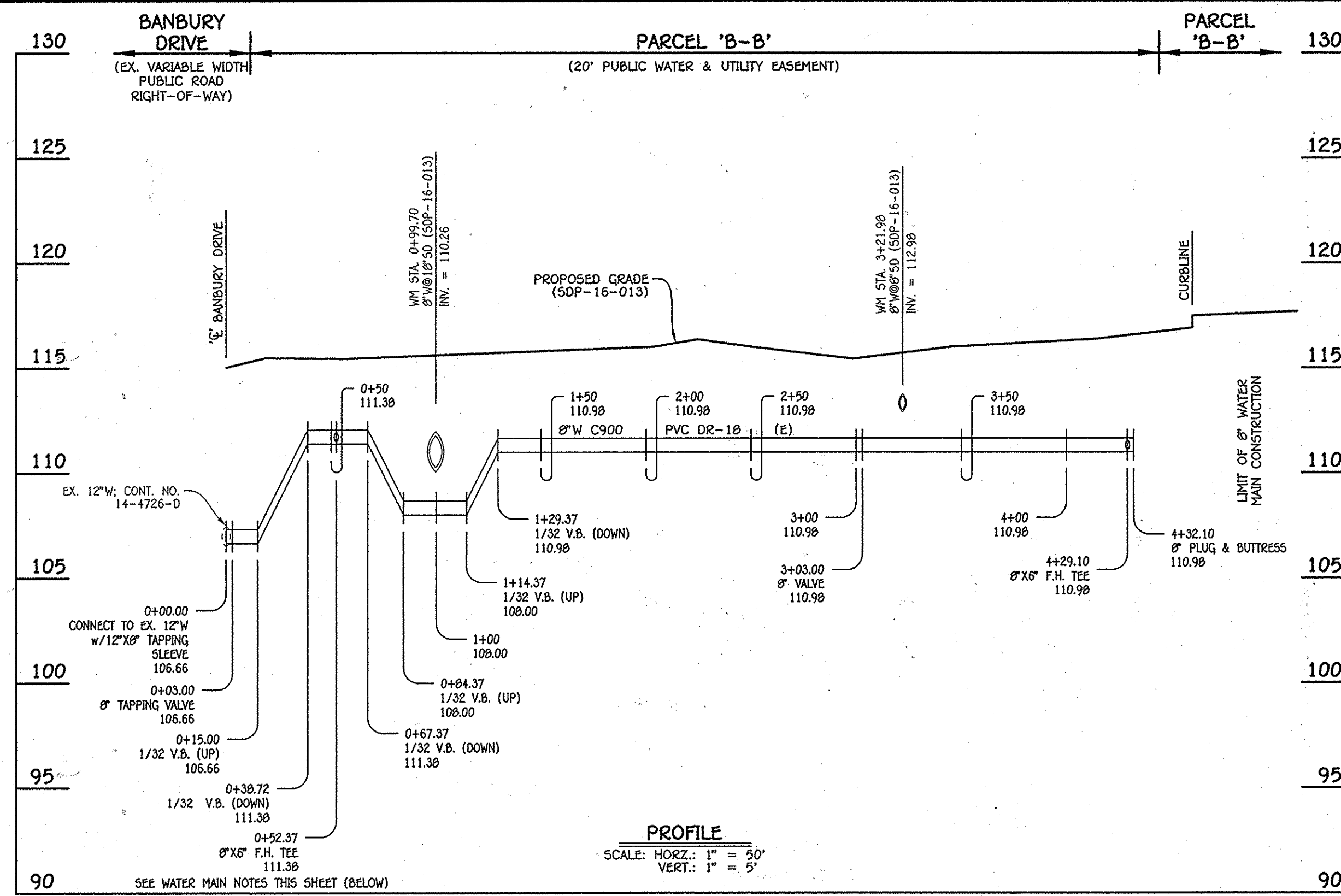
BY	NO.	REVISION

SEWER AND WATER MAIN EXTENSIONS PLAN  
600' SCALE MAP NO. 38 BLOCK NO. 19 & 20  
F.C.C. WORK ORDER NO. 09014-4005  
DATE: FILE NAME: SEWER & WATER MAIN EXTENSIONS PLAN

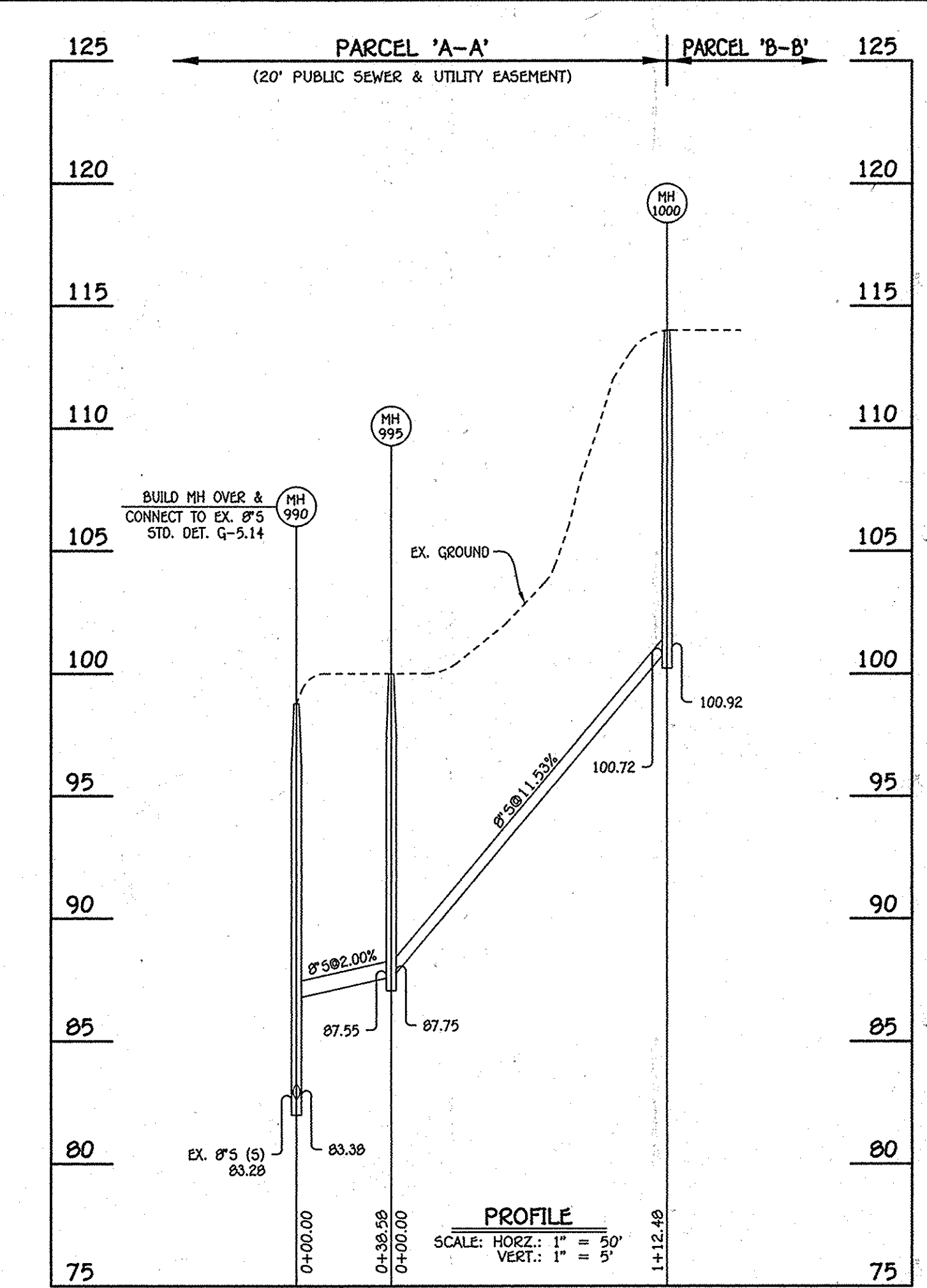
OXFORD SQUARE  
ELEMENTARY SCHOOL No. 42  
PARCEL 'B-B'  
SEWER AND WATER MAIN EXTENSIONS  
CONTRACT NO. 14-4933-D  
FIRST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE AS SHOWN  
SHEET 2 OF 3



8" WATER MAIN (W): ELEMENTARY SCHOOL No. 42



8" WATER MAIN (E): ELEMENTARY SCHOOL No. 42



8" SEWER MAIN: ELEMENTARY SCHOOL No. 42 & PARCEL 'B-B'

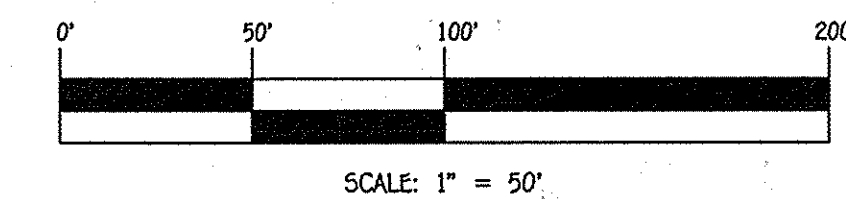
WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN (W): ELEMENTARY SCHOOL No. 42			
0+00.00	EX. 8" PLUG & BUTTRESS	553290.26	1306595.09
0+35.36	8" F.H. TEE	553322.04	1306600.50
0+45.36	8" VALVE	553331.03	1306604.97
1+70.31	8" F.H. TEE	553443.34	1306659.73
1+73.31	8" VALVE	553442.02	1306662.42
1+80.31	8" PLUG & BUTTRESS	553438.92	1306668.69

- WATER MAIN NOTES:**
1. ALL WATER MAINS SHALL BE AMWA 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 AMWA C900 PVC WATER PIPE INSTALLATION. DEFLECTION COUPLINGS SHALL BE CERTAIN-TEED PVC HIGH DEFLECTION COUPLINGS.
  3. ALL WATER HOUSE CONNECTIONS AND TAPS SHALL BE PERFORMED USING A SADDLE.

WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN (E): ELEMENTARY SCHOOL No. 42			
0+00.00	12" X 8" TAPPING SLEEVE	553061.60	1306939.62
0+03.00	8" TAPPING VALVE	553064.30	1306940.93
0+52.37	8" F.H. TEE	553108.68	1306962.57
3+03.00	8" VALVE	553333.95	1307072.40
4+29.10	8" F.H. TEE	553447.30	1307127.67
4+32.10	8" PLUG & BUTTRESS	553450.00	1307128.98

MANHOLE TABULATION CHART			
NO.	NORTHING	EASTING	RIM ELEVATION
990	553896.62	1306577.03	90.77
995	553870.56	1306605.48	100.00
1000	553841.03	1306714.02	114.00

NOTE: SET MH RIMS FLUSH W/EXISTING GROUND.

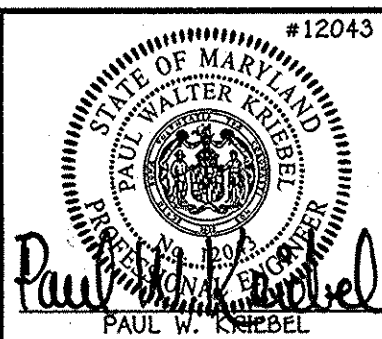


CONTRACT NO. 14-4933-D  
 OXFORD SQUARE  
 ELEMENTARY SCHOOL No. 42  
 PARCEL 'B-B'  
 SEWER AND WATER MAIN EXTENSIONS  
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 Chief, Bureau of Utilities

DEPARTMENT OF PLANNING AND ZONING  
 HOWARD COUNTY, MARYLAND  
 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 6/7/16/16.  
**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
 ELLSWORTH CITY, MARYLAND 21042  
 (410) 461-2895



DESIGNED BY: B.C.R.  
 DRAWN BY: B.C.R.  
 CHECKED BY: P.W.K.  
 DATE: MARCH, 2016

SEWER AND WATER MAIN EXTENSIONS  
 PROFILES, CHARTS & NOTES

600' SCALE MAP NO. 30 BLOCK NO. 19 & 20  
 F.C.C. WORK ORDER NO. 09014-4005  
 FILE NAME: SEWER & WATER MAIN EXTENSIONS PLAN

OXFORD SQUARE  
 ELEMENTARY SCHOOL No. 42  
 PARCEL 'B-B'  
 SEWER AND WATER MAIN EXTENSIONS  
 CONTRACT NO. 14-4933-D  
 FIRST ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
 SHEET 3 OF 3