

GENERAL NOTES

- PART I**
- APPROXIMATE LOCATION 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 IN JULY 2006 BY ROBERT H. VOGEL ENGINEERING, INC.
 - THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD 83/91 AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS 3513 AND 41CC. ALL VERTICAL CONTROLS ARE BASED ON NAVD 83. VERTICAL CONTROLS PROVIDED ON DRAWINGS ARE:
 - GEODETIC SURVEY CONTROL 3513 (N 553573.6934/E 1346098.13)
 - BRASS DISC SET ON TOP OF A CONCRETE MONUMENT, LOCATED ALONG HARRIET TUBMAN LANE, BY ATNOLTON HS. 38.7' NORTH EAST OF BGE POLE#354579 PAVING OF WB LANE OF 175, AND 45' WEST AND DIRECTLY SIDE OF THE WEST 175 SHOW RTE SIGN.
 - GEODETIC SURVEY CONTROL 41CC (N 552494.2739/E 1347082.4320)
 - BRASS DISC SET ON TOP OF A CONCRETE MONUMENT, LOCATED ON THE SOUTH SIDE OF MARTIN RD. NEAR CORNER OF FREETOWN RD. BY LOCAL UNITED METHODIST CHURCH. 16.8' EAST OF BGE POLE #280054.
 - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED.
 - CLEAR ALL UTILITIES BY A MINIMUM OF 12 INCHES CLEAR FOR 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 DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR BRACING OF 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.
 - WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL AT THE LOCATION OF THE TEST PIT. A NOTES OR NOTES CONTAINING THE RESULTS OF THE TEST PIT OR PITS IS INCLUDED ON THE DRAWINGS. EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS WERE MADE SHOULD BE LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATION AT HIS OWN EXPENSE.
 - THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN THESE PLANS:
 - AT&T 1-800-252-1133
 - BGE (CONTRACTOR SERVICE) 410-850-4820
 - BGE (EMERGENCY) 410-885-1400
 - 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.
 - THE CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG THE LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE MAIN.
 - THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-7450 AT LEAST FIVE WORKING DAYS BEFORE ANY OPEN CUTTING OR BORING/JACKING ROAD FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(G) OF THE HOWARD COUNTY CODE.

- PART II - WATER**
- ALL WATER MAINS SHALL BE C-900 PVC (DR-18) UNLESS OTHERWISE NOTED.
 - TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" OF COVER UNLESS OTHERWISE NOTED. OTHERWISE NOTED.
 - VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
 - ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS. THE CONTRACTOR SHALL BE INSTALLED FOR ON ALL DIPS AND PVC WATER MAINS IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL.
 - 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 CONTINUOUS TEST STATIONS SHALL BE INSTALLED ON ALL DIP AND PVC WATER MAINS IN ACCORDANCE WITH THE 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 TO THE TEST RECORDS RECEIVED.
 - UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS, 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. SEVEN (7) POUND MAGNESIUM ANODES SHALL BE INSTALLED ON ALL VALVES AND DUCTILE IRON FITTINGS INCLUDING RESTRAINTS AND HARNESSSES. TWELVE (12) POUND 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 (HD) COUPLINGS. NO BENDING OF THE PIPE OR PIPE JOINTS OR 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. THE CONTRACTOR SHALL USE A VIBRATORY PLATE COMPACTOR OR OTHER APPROVED MEANS TO THOROUGHLY COMPACT THE #57 STONE ON BOTH SIDES 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 DEFLECTION OF 3-DEGREES (1.5-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 36 INCHES AND SHALL HAVE CENTER STOPS. PVC HIGH DEFLECTION COUPLINGS SHALL BE CERTAINTED PVC HIGH DEFLECTION (HD) STOP FIVE DEGREE SWEEPS SHALL BE BELL BY SPIGOT, RATED FOR A MINIMUM 225 PSI, DR18 MEETING THE REQUIREMENTS OF AWWA C900 AND SHALL BE MULTI FITTINGS (PEX) BLUE BRUTE DR18 OR EQUAL.

- PART III - SEWER**
- 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 16" WALLS ARE FOR BRICK MANHOLES ONLY.
 - MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL 05-52.
 - HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE SPECIFICATIONS AND WITH SITE DEVELOPMENT PLAN SDP-16-002.

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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

SOIL CONSERVATION DISTRICT

DATE: 3/30/16

DATE: 4/4/16

FINAL WATER AND SEWER PLAN

SANFORD PLACE

SINGLE FAMILY ATTACHED

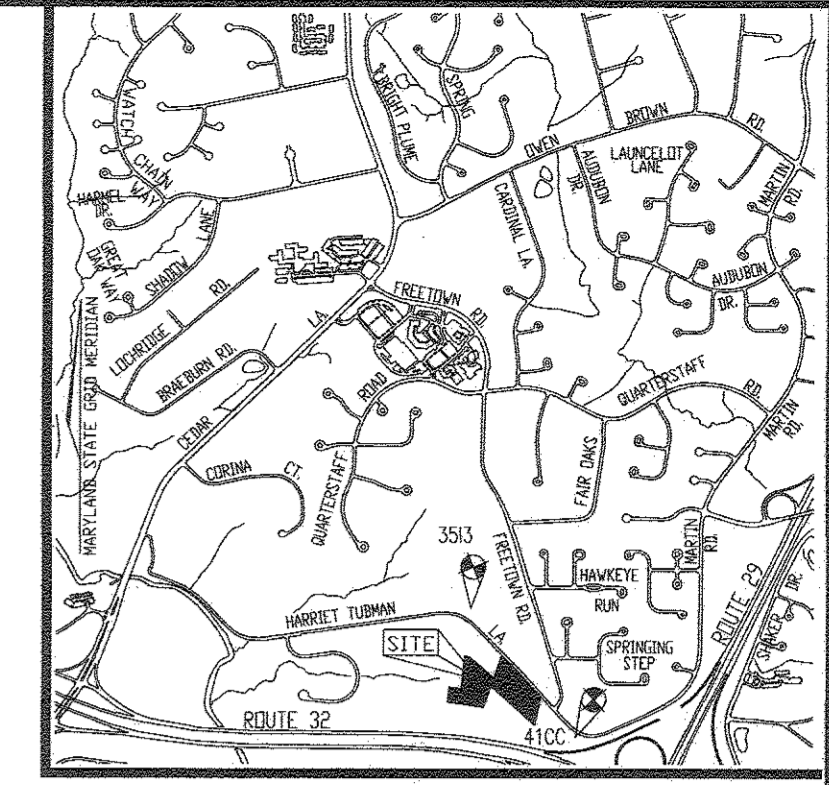
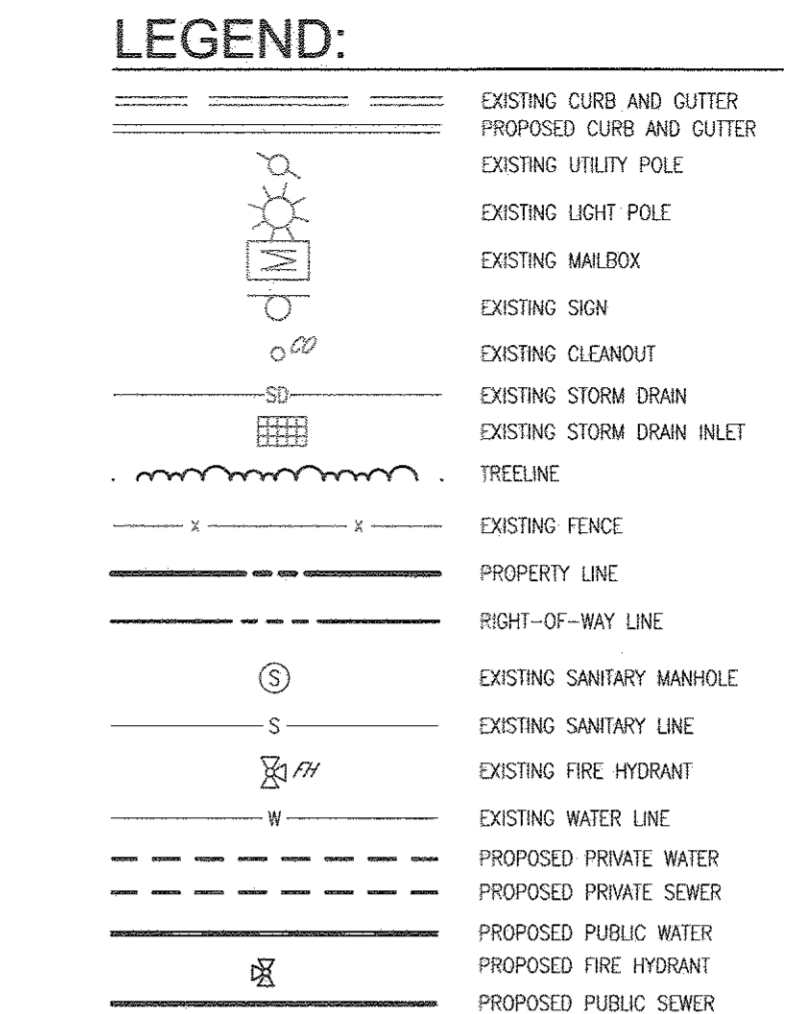
HOWARD COUNTY, MARYLAND

CONTRACT 24-4942-D

BENCHMARKS			
NO.	NORTHING	EASTING	ELEVATION
3513	553573.708	1346098.13	415.39
41CC	552494.272	1347082.44	400.00

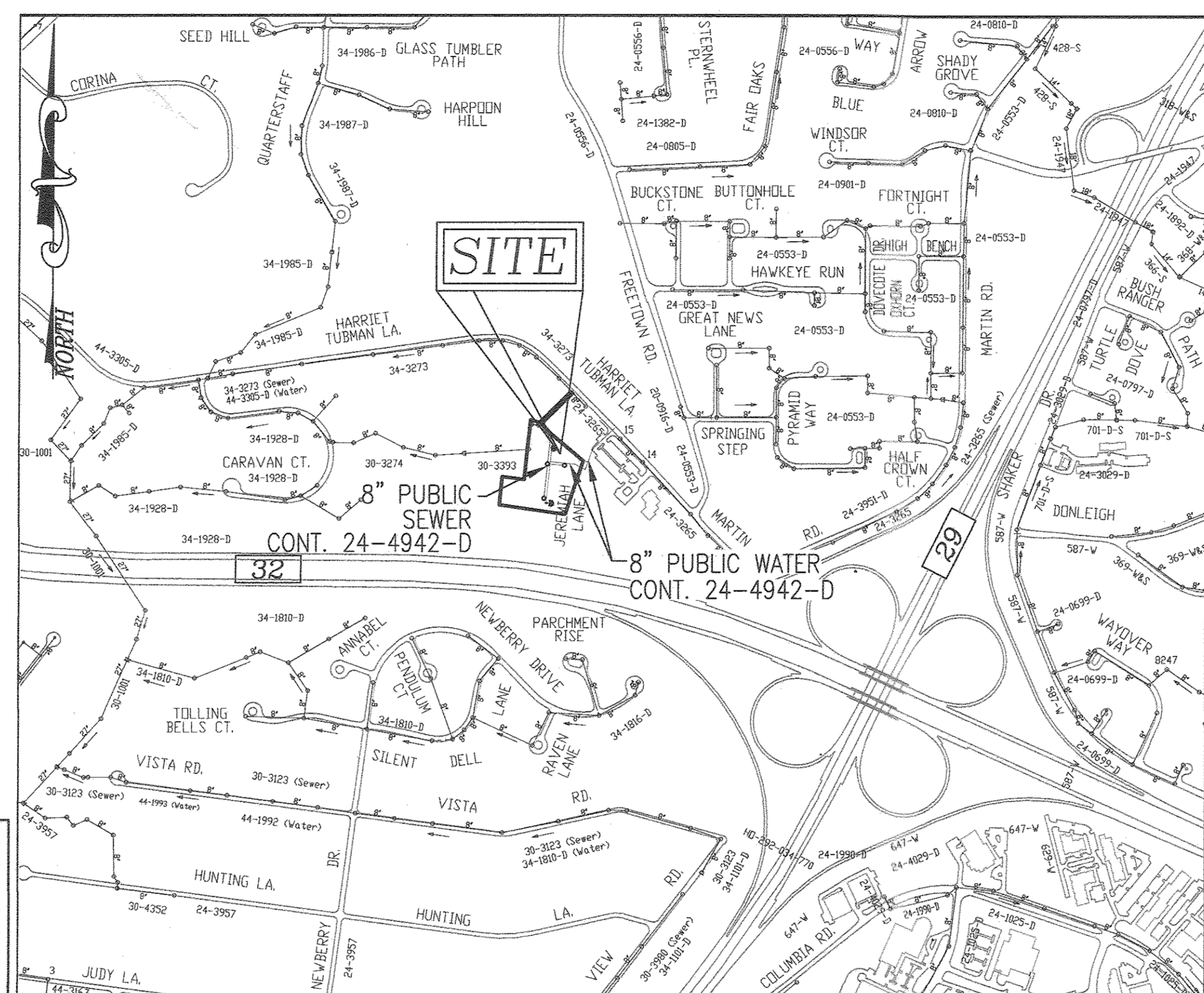
3513 - CONCRETE MONUMENT LOCATED ON THE NORTH SIDE OF HARRIET TUBMAN LANE. MONUMENT IS LOCATED 12' BEHIND AN EXISTING FIRE HYDRANT.

41CC - CONCRETE MONUMENT LOCATED ON THE SOUTH SIDE OF MARTIN ROAD. MONUMENT IS LOCATED 4.6' BACK FROM EDGE OF PAVEMENT.



SEWER CONNECTION TABULATION							
LOT#	EL. @ MAIN	TYPE	DIST. TO ESMT.	EL. @ ESMT.	DIST. ESMT. TO HOUSE	EL. @ HOUSE	MCE
1	390.16	TSHC	18'	390.52	58'	391.68	394.18
2	390.16	TSHC	16'	390.48	60'	391.68	394.18
3	389.12	TSHC	18'	389.48	58'	390.64	393.14
4	389.12	TSHC	16'	389.44	60'	390.64	393.14
5	388.61	TSHC	30'	389.21	58'	390.37	392.87
6	388.61	TSHC	32'	389.25	60'	390.37	392.87
7	388.90	TSHC	30'	389.50	58'	390.66	393.16
8	388.90	TSHC	32'	389.54	60'	390.66	393.16
9	389.33	SHC	29'	389.91	57'	391.05	393.55
10	389.04	TSHC	18'	389.40	58'	390.56	393.06
11	389.04	TSHC	16'	389.36	60'	390.56	393.06
12	388.75	TSHC	18'	389.11	58'	390.27	392.77
13	388.75	TSHC	16'	389.07	60'	390.27	392.77
14	388.51	SHC	16'	388.83	58'	389.99	392.49
15	388.21	TSHC	18'	388.57	58'	389.73	392.23
16	388.21	TSHC	16'	388.53	60'	389.73	392.23
17	387.92	TSHC	18'	388.28	58'	389.44	391.94
18	387.92	TSHC	16'	388.24	60'	389.44	391.94
19	387.54	SHC	16'	387.86	58'	389.02	391.52
20	387.12	TSHC	18'	387.48	58'	388.64	391.14
21	387.12	TSHC	16'	387.44	60'	388.64	391.14
22	386.73	TSHC	18'	387.09	58'	388.25	390.75
23	386.73	TSHC	16'	387.05	60'	388.25	390.75
24	386.43	SHC	11'	386.65	62'	387.89	389.39

* MEASURED TO FARTHEST CORNER



VICINITY MAP
SCALE: 1"=600'

TYPE OF BUILDING :	SINGLE FAMILY ATTACHED
NO. OF LOTS/PARCELS :	24
NO. OF SINGLE WATER HOUSE CONNECTIONS :	6
NO. OF TWIN WATER HOUSE CONNECTIONS :	9
NO. OF SINGLE SEWER HOUSE CONNECTIONS :	4
NO. OF TWIN SEWER HOUSE CONNECTIONS :	10
DRAINAGE AREA:	LITTLE PATUXENT WRP

WATER HOUSE CONNECTION AS-BUILT LOCATION TABLE				SEWER HOUSE CONNECTION AS-BUILT LOCATION TABLE			
LOT	STREET ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2	LOT	STREET ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
LOT 1	JEREMIAH LANE			LOT 1	JEREMIAH LANE		
LOT 2	JEREMIAH LANE			LOT 2	JEREMIAH LANE		
LOT 3	JEREMIAH LANE			LOT 3	JEREMIAH LANE		
LOT 4	JEREMIAH LANE			LOT 4	JEREMIAH LANE		
LOT 5	JEREMIAH LANE			LOT 5	JEREMIAH LANE		
LOT 6	JEREMIAH LANE			LOT 6	JEREMIAH LANE		
LOT 7	JEREMIAH LANE			LOT 7	JEREMIAH LANE		
LOT 8	JEREMIAH LANE			LOT 8	JEREMIAH LANE		
LOT 9	JEREMIAH LANE			LOT 9	JEREMIAH LANE		
LOT 10	JEREMIAH LANE			LOT 10	JEREMIAH LANE		
LOT 11	JEREMIAH LANE			LOT 11	JEREMIAH LANE		
LOT 12	JEREMIAH LANE			LOT 12	JEREMIAH LANE		
LOT 13	JEREMIAH LANE			LOT 13	JEREMIAH LANE		
LOT 14	JEREMIAH LANE			LOT 14	JEREMIAH LANE		
LOT 15	JEREMIAH LANE			LOT 15	JEREMIAH LANE		
LOT 16	JEREMIAH LANE			LOT 16	JEREMIAH LANE		
LOT 17	JEREMIAH LANE			LOT 17	JEREMIAH LANE		
LOT 18	JEREMIAH LANE			LOT 18	JEREMIAH LANE		
LOT 19	JEREMIAH LANE			LOT 19	JEREMIAH LANE		
LOT 20	JEREMIAH LANE			LOT 20	JEREMIAH LANE		
LOT 21	JEREMIAH LANE			LOT 21	JEREMIAH LANE		
LOT 22	JEREMIAH LANE			LOT 22	JEREMIAH LANE		
LOT 23	JEREMIAH LANE			LOT 23	JEREMIAH LANE		
LOT 24	JEREMIAH LANE			LOT 24	JEREMIAH LANE		

QUANTITIES				
NAME OF UTILITY CONTRACTOR :				
SURVEY AND DRAWING DIVISION AS-BUILT DATE :				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
WATER				
12" x 8" TAPPING SLEEVE	1 EA			
8" C-900 PVC (DR-18) WATER	835 LF			
8" VALVE	5 EA			
6" C-900 PVC (DR-18) WATER	53 LF			
1-1/2" WHC	420 LF			
8" 1/32 HB	3 EA			
8" 1/16 HB	1 EA			
8" x 8" TEE	2 EA			
8" CAP AND BUTTRESS	3 EA			
8" x 6" TEE	3 EA			
6" VALVE	3 EA			
6" FIRE HYDRANT	3 EA			
1" METER VAULT	16 EA			
2" WHC	75 LF			
SEWER				
8" PVC SEWER	463 LF			
4" PVC HOUSE CONNECTION	330 LF			
4" STD. PRECAST MANHOLE	3 EA			
CLEANOUT	24 EA			

WATER MAIN LOCATION CHART				
WATERLINE "A"				
STATION	APPURTENANCE	INVERT ELEV.	REMARKS	
0+00	12"x8" TAPPING SLEEVE	404.47		
0+04	8" VALVE	404.47		
0+05	8" COUPLING 2" DOWN	404.47		
0+67.65	8" COUPLING 1" DOWN	402.28		
1+19.78	8" COUPLING 2" UP	399.55		
1+80.5	1/32 H. BEND	398.84		
1+79.9	1/32 H. BEND	398.50		
2+49.7	8"x6" FHT & 6" VALVE	396.37		
2+93.29	8"x8" TEE	395.04		
2+98.29	8" CAP AND BUTTRESS	394.88		
WATERLINE "B"				
0+00	8"x8" TEE	395.04		
0+04	8" VALVE	395.04		
0+14.36	8" COUPLING 1.25" DOWN	395.04		
0+25.80	1/32 H. BEND	394.79		
0+63.50	1/16 H. BEND	393.97		
2+01.87	8" VALVE	390.95		
2+05.87	8"x8" TEE	390.86		
WATERLINE "C"				
0+00	8" CAP & BUTTRESS	391.34		
0+02.56	8"x6" FHT & 6" VALVE	391.34		
0+42.59	8" COUPLING 0.7" DOWN	391.34		
1+30.94	8" COUPLING 1.05" UP	390.25		
2+32.59	8" VALVE	390.84		
2+36.35	8"x8" TEE	390.86		
2+40.35	8" VALVE	390.92		
3+13.62	8"x6" FHT & 6" VALVE	391.31		
3+29.65	8" CAP & BUTTRESS	391.40		

MANHOLE LOCATION CHART						
MH NO.	TYPE	LOCATION	TOP ELEV.	INV. IN	INV. OUT	REMARKS
11	STD. PRECAST MANHOLE (G-5.12)	N 553020.88 E 1346036.76	395.36	(2) 387.60	387.50	
12	STD. PRECAST MANHOLE (G-5.12)	N 552827.10 E 1346017.15	395.46	389.33	389.00	
13	STD. PRECAST MANHOLE (G-5.12)	N 553011.84 E 1346148.18	397.49	-	390.38	

OWNER (PARCEL 256)
TEMPLE BETH SHALOM OF HOWARD COUNTY
8070 HARRIET TUBMAN LANE
COLUMBIA, MD. 21044

OWNER (PARCEL 153)
JOSEPH'S COURTYARD, LLC,
3675 PARK AVENUE, SUITE 301
ELLCOTT CITY, MD. 21043
(410) 480-0023

DEVELOPER (PARCEL 153)
TRINITY HOMES MARYLAND, LLC,
3675 PARK AVENUE, SUITE 301
ELLCOTT CITY, MD. 21043
(410) 480-0023

ROBERT H. VOGEL ENGINEERING, INC.
ENGINEERS • SURVEYORS • PLANNERS
8407 MAIN STREET
ELLCOTT CITY, MD 21043
TEL: 410.461.7665
FAX: 410.461.8961



PROFESSIONAL CERTIFICATE
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. 16193 EXPIRATION DATE 08-27-2018

DES: GAH
DRN: GAH/KG
CHK: RHV

DATE: MARCH, 2016

ABANDON EX WHC FOR DRP IRRIGATION LINE, ADD 9/9/16
2" WHC AND 1" METER VAULT FOR ON SITE IRRIGATION

DATE: _____ NO. _____ REVISION _____ DATE _____

FINAL WATER AND SEWER PLAN COVER SHEET

600' SCALE MAP NO. 35

BLOCK NO. 24

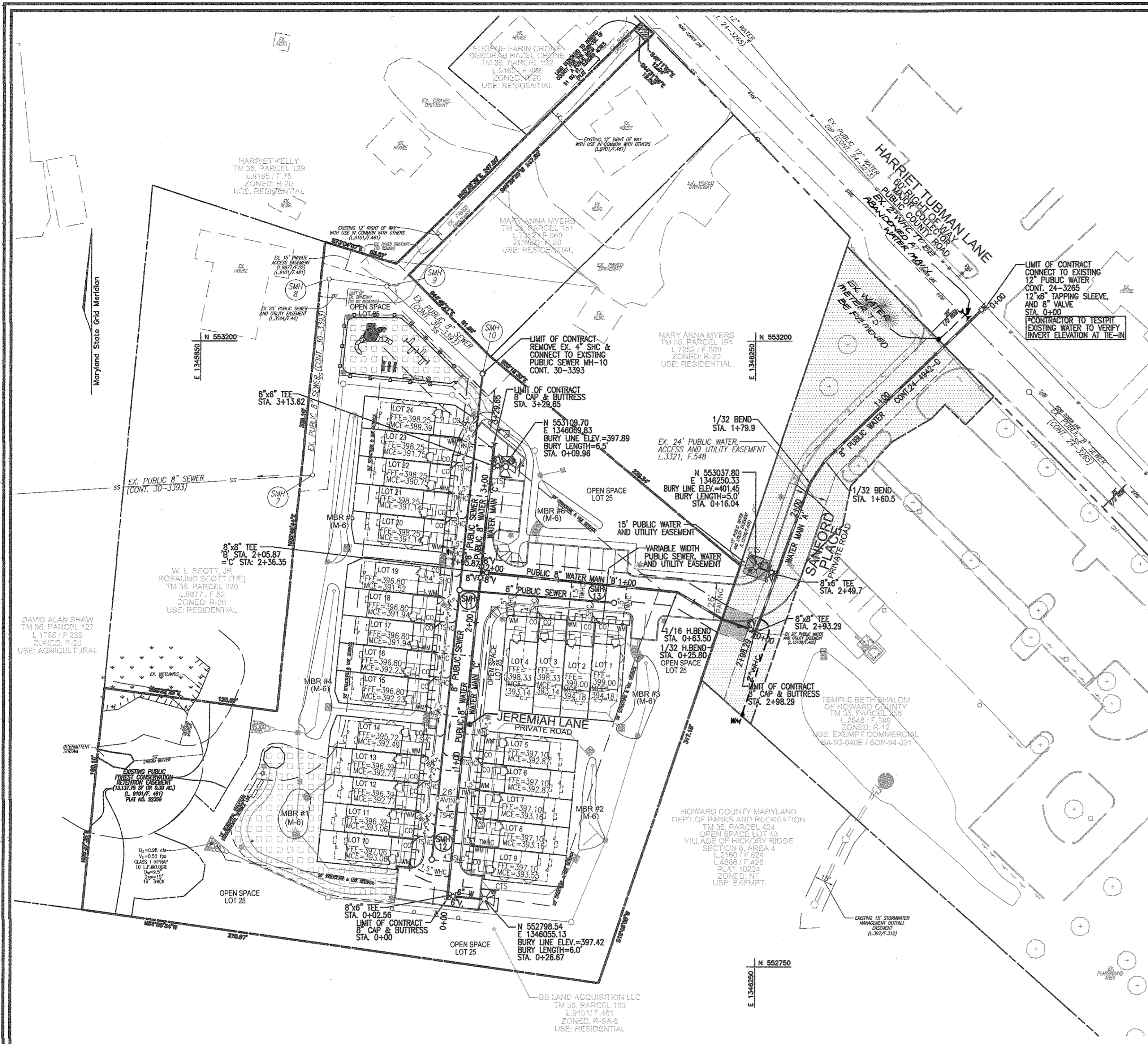
TAX MAP 35 BLOCK 24 5TH ELECTION DISTRICT

SANFORD PLACE
SINGLE FAMILY ATTACHED
CONTRACT 24-4942-D

SCALE AS SHOWN

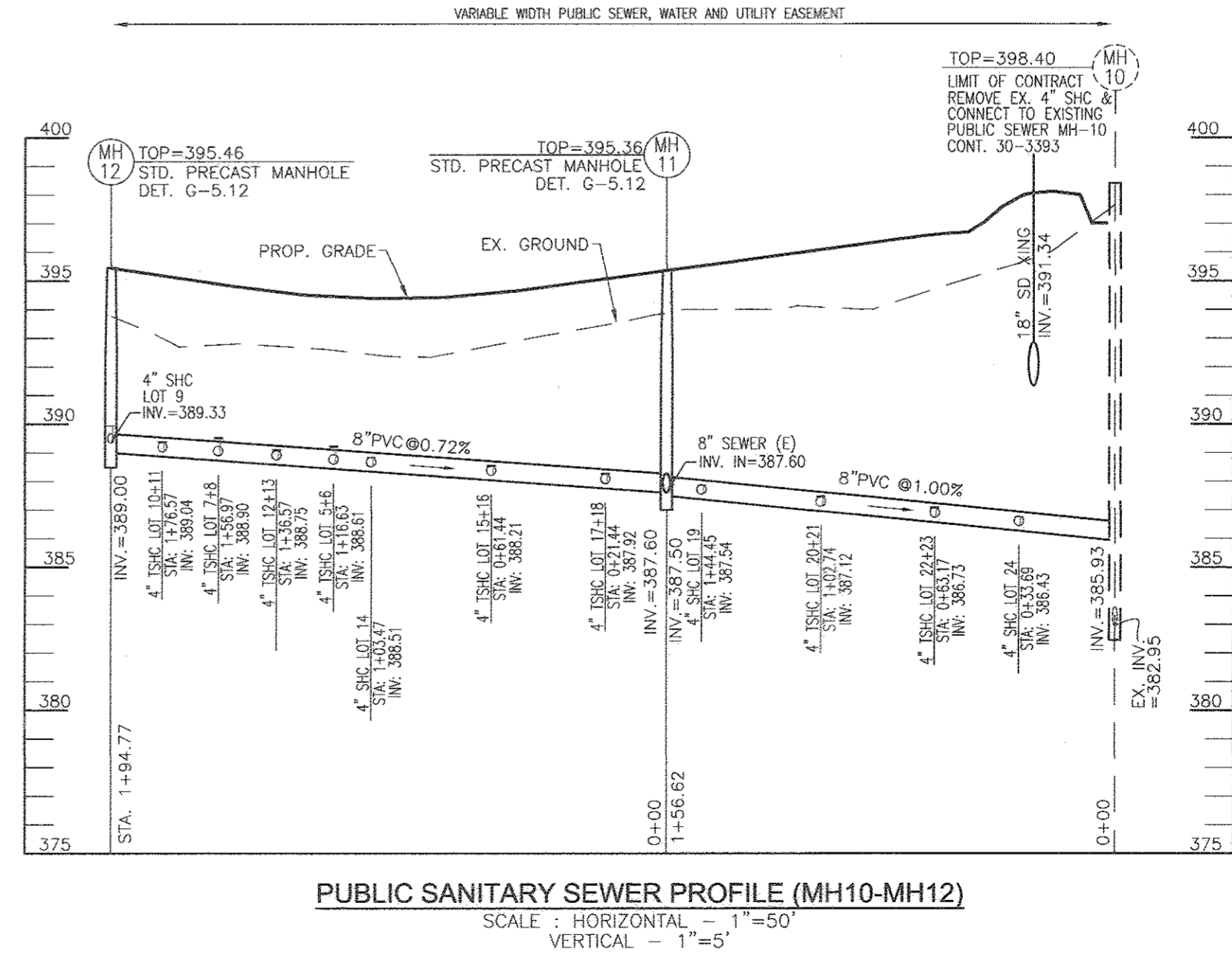
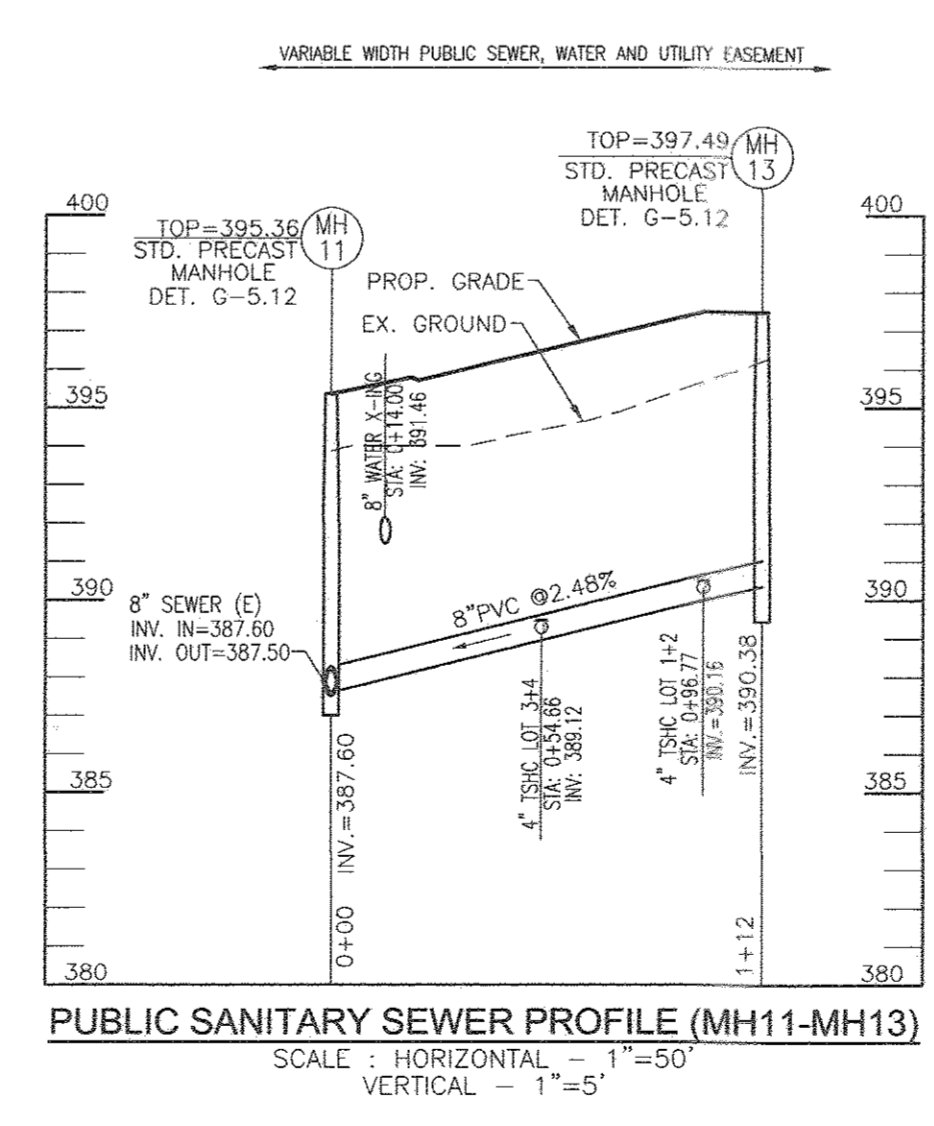
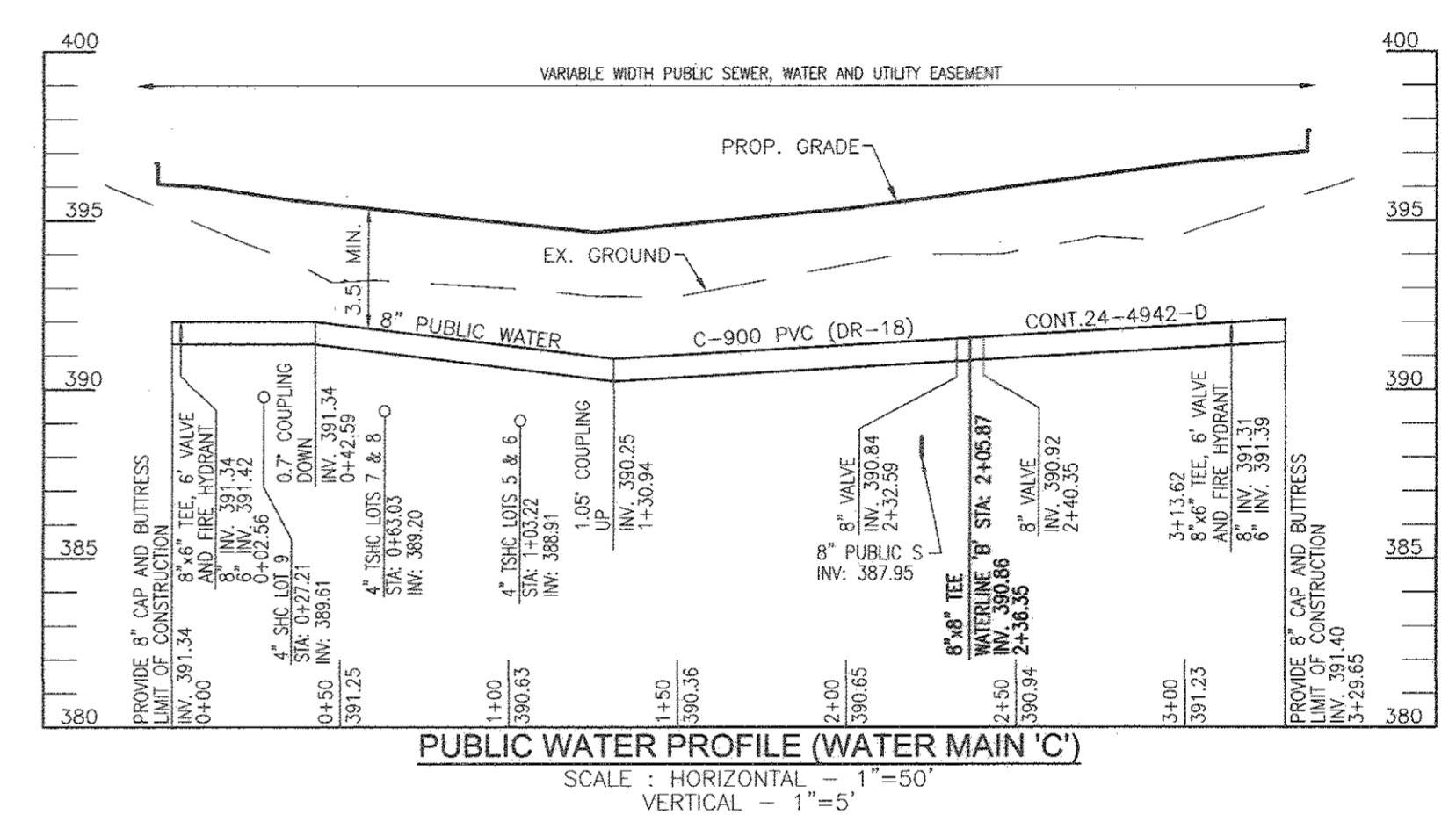
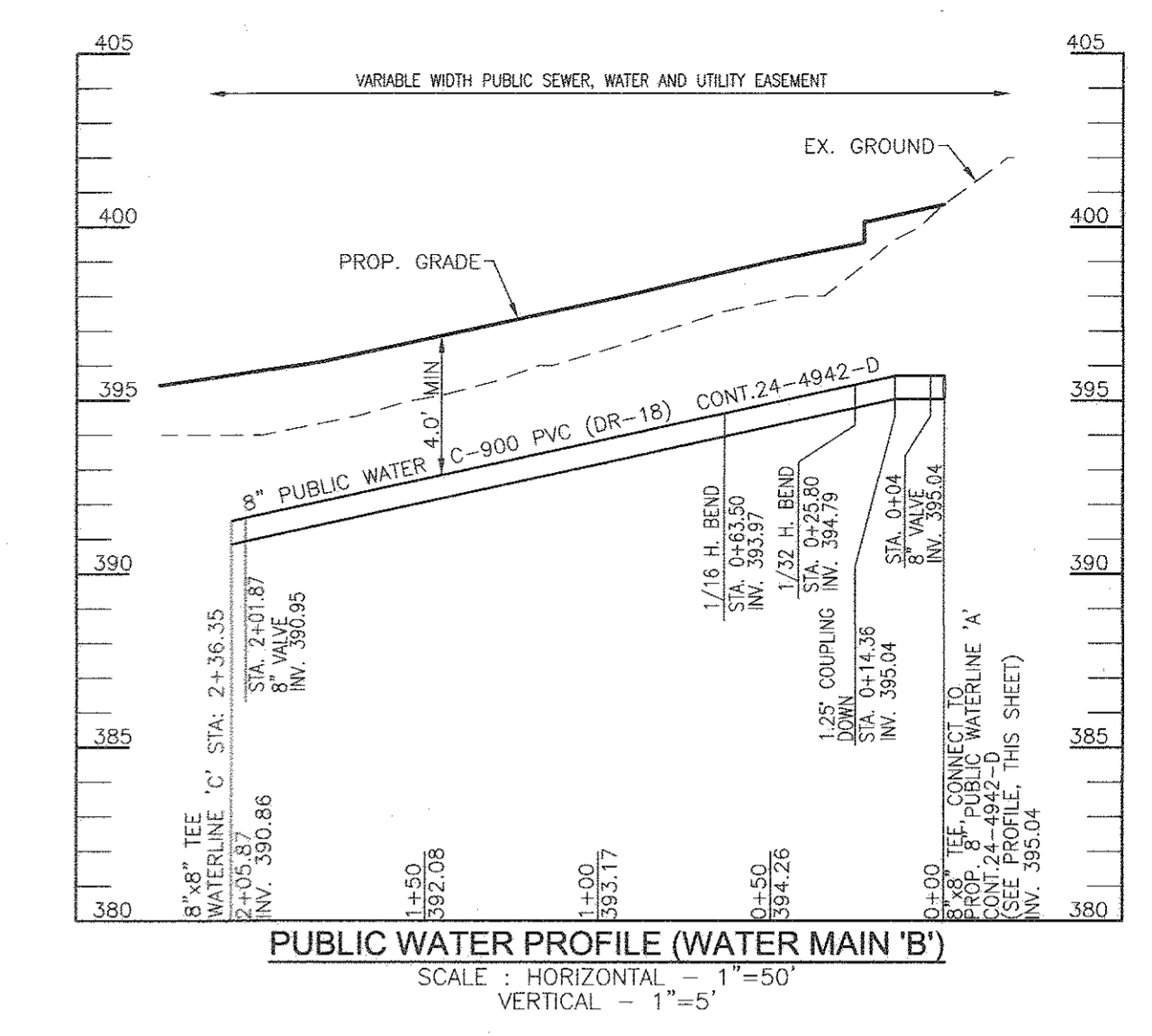
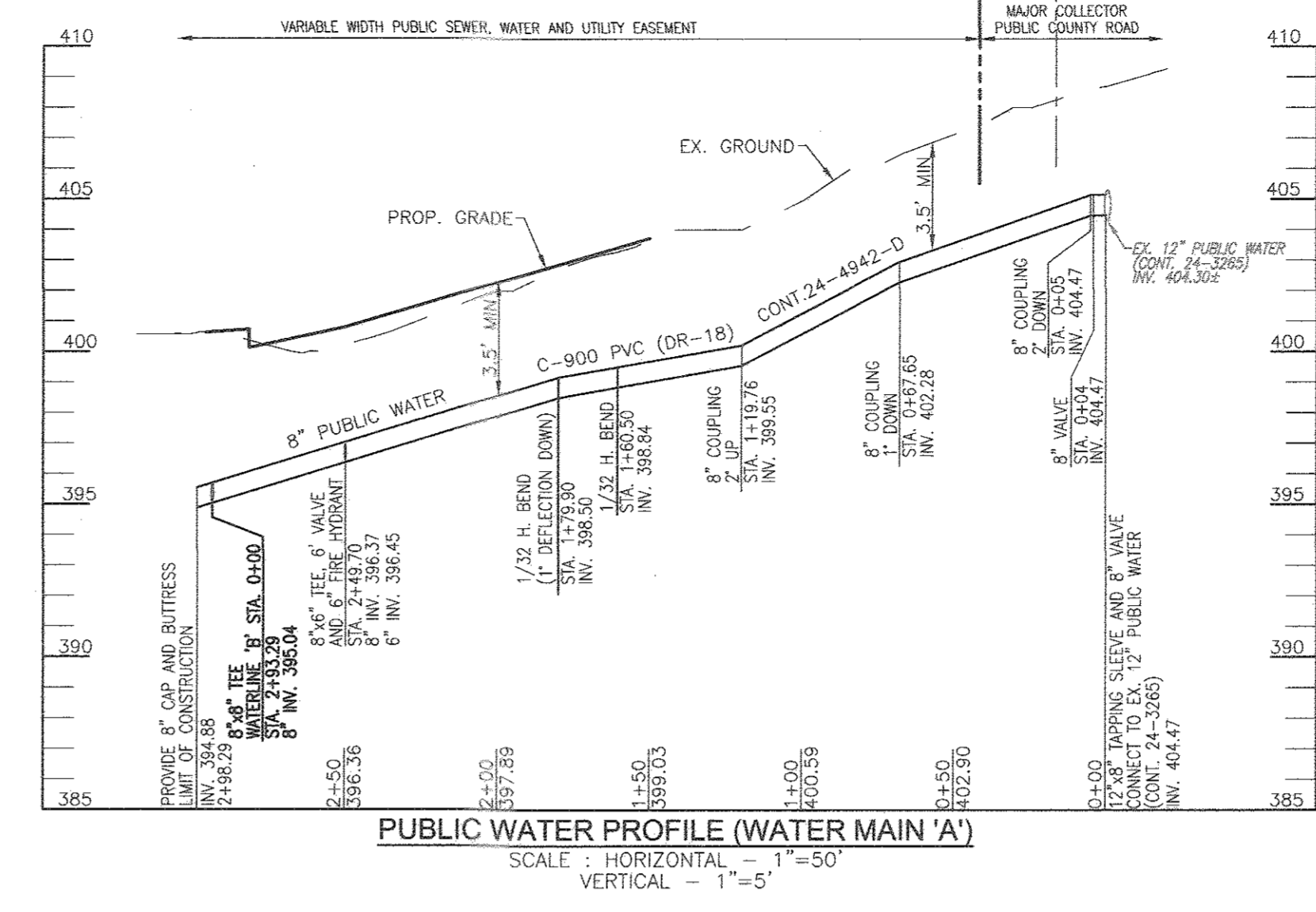
SHEET 1 OF 2

PARCEL 153; P/O 256
HOWARD COUNTY, MARYLAND



PLAN VIEW
SCALE: 1"=50'

HEALTH DEPARTMENT NOTE:
IN ACCORDANCE WITH HOWARD COUNTY HEALTH DEPARTMENT REGULATIONS, WATER METERS WILL NOT BE RELEASED BY HOWARD COUNTY TO ANY NEW BUILDING UNTIL THE EXISTING WELL AND SEPTIC SYSTEMS HAVE BEEN ABANDONED AND THE EXISTING BUILDINGS ARE CONNECTED TO THE PUBLIC WATER AND SEWER MAINS.



OWNER (PARCEL 256)
TEMPLE BETH SHALOM OF HOWARD COUNTY
8070 HARRIET TUBMAN LANE
COLUMBIA, MD. 21044

OWNER (PARCEL 153)
JOSEPH'S COURTYARD, LLC
3675 PARK AVENUE, SUITE 301
ELLCOTT CITY, MD. 21043
(410) 480-0023

DEVELOPER (PARCEL 153)
TRINITY HOMES MARYLAND, LLC
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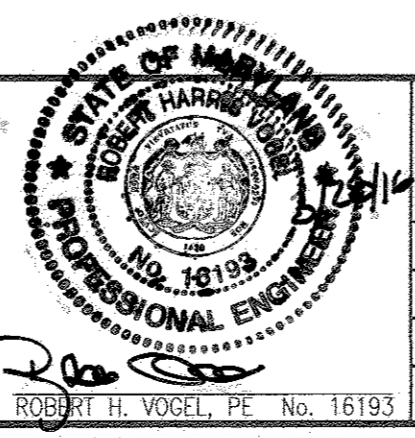
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

CHIEF, BUREAU OF UTILITIES
DATE: 4/4/16

CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE: 4/4/16

ROBERT H. VOGEL ENGINEERING, INC.
ENGINEERS • SURVEYORS • PLANNERS
8407 MAIN STREET
ELLCOTT CITY, MD 21043 TEL: 410.461.7666
FAX: 410.461.8961



DES:	GAH	DATE:	MARCH, 2016
DRN:	GAH/KG	NO.:	1
CHK:	RHV	REVISION:	ABANDON EX. WHC FOR DRP IRRIGATION LINE AND 2" WHC AND 1" METER VAULT FOR ON-SITE IRRIGATION
DATE:	MARCH, 2016	NO.:	1

FINAL WATER AND SEWER PLAN
PLAN VIEW AND PROFILES

600' SCALE MAP NO. 35
BLOCK NO. 24

SANFORD PLACE
SINGLE FAMILY ATTACHED
CONTRACT 24-4942-D

TAX MAP 35 BLOCK 24
5TH ELECTION DISTRICT

PARCEL 153; P/O 256
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 2 OF 2