

**GENERAL NOTES**

**PART I**

- 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 IN JANUARY, 2006 BY WINGS AERIAL MAPPING CO., 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. 161B AND NO. 17AB.  
ALL VERTICAL CONTROLS ARE BASED ON NAVD '88. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS ARE 0212 AND 11E1.
- 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 THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR THE 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 DRAWING, 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 LOCATIONS OF THE TEST PITS. A NOTE 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 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).....410-685-0123  
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
- 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 LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR 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 OF 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(d) OF THE HOWARD COUNTY CODE.

**PART II WATER**

- ALL WATER MAINS TO BE PVC C900 DR-18 UNLESS OTHERWISE NOTED.
- 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 BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH THE 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 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 SUPPLIED 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, SEVENTEEN (17) 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 AND 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 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. THE CONTRACTOR SHALL USE A VIBRATORY PLATE COMPACTOR OR OTHER APPROVED MEANS TO THOROUGHLY COMPACT THE #77 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 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.
- 5-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.
- WHEN PVC HIGH DEFLECTION COUPLINGS OR PVC 5-DEGREE SWEEPS ARE USED TO FACILITATE CHANGES IN HORIZONTAL OR VERTICAL ALIGNMENTS OF AWWA C-900 PVC PIPELINES, THE CONTRACTOR SHALL INSTALL DEVICES FOR THE PREVENTION OF OVER-INSERTION OF THE PVC PIPE SPIGOTS OR FLAN 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 EXPANSION RETENTION SPRING TO ALLOW FOR PIPE EXPANSION AND CONTRACTION. THE BELL STOPS SHALL BE SERIES 5000 MECA-STOP, AS MANUFACTURED BY ESKA IRON, INC. OR APPROVED 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.I.T. IN PLAN AND PROFILE SHALL HAVE WATERIGHT FRAME AND COVER. STANDARD DETAIL CS-52 WHERE WATERIGHT MANHOLE FRAMES AND COVERS ARE USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.

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

*J. Blanton* 8/12/20  
HOWARD SOIL CONSERVATION DISTRICT DATE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE HOWARD COUNTY STANDARD SPECIFICATIONS AND AS PER SDP-20-036 / F-18-027

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
*Chris Slap* 7-20-20  
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND  
*David Clark* 8-20-20  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

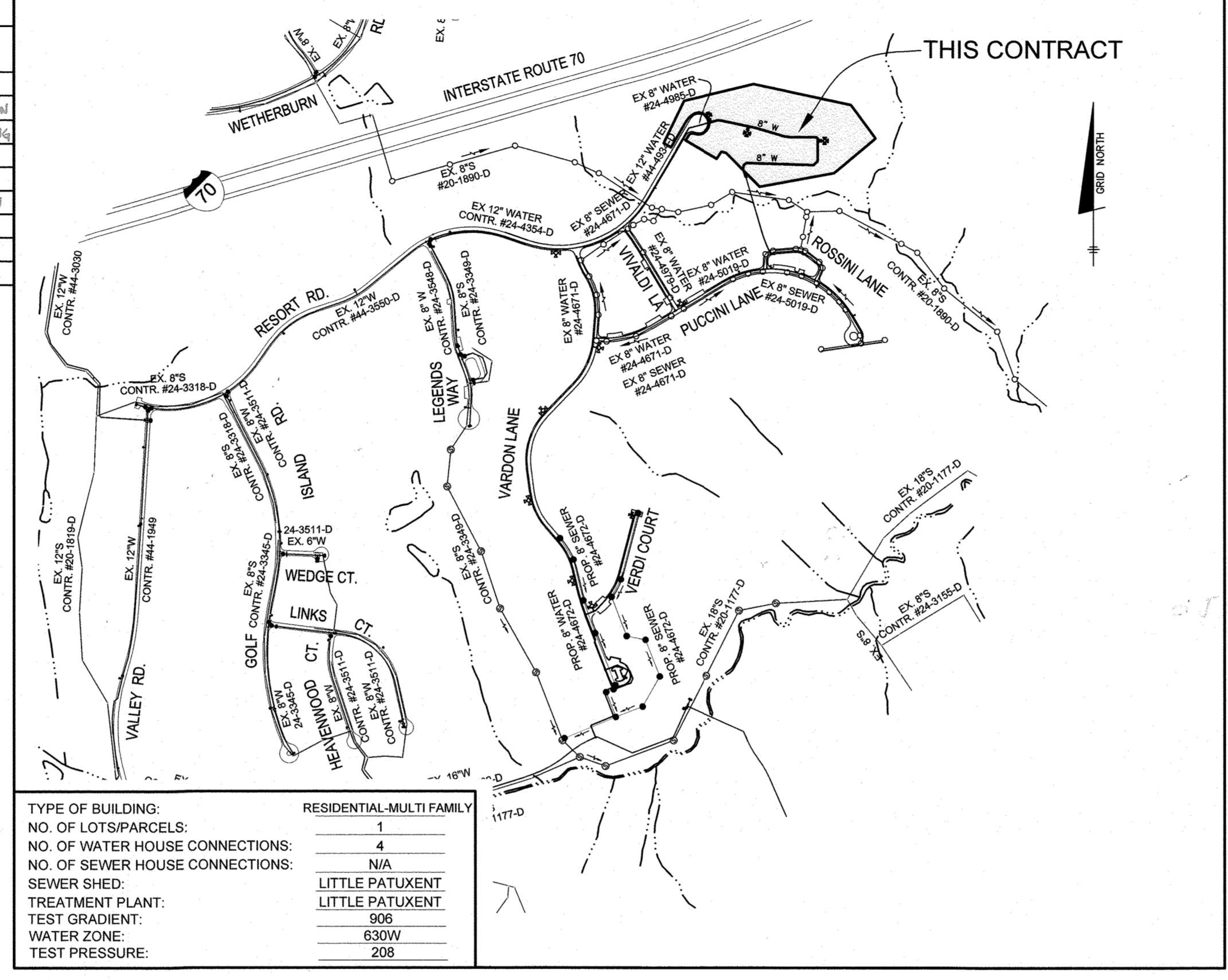
**FINAL PUBLIC WATER AND SEWER PLAN  
RAVENWOOD CONDOMINIUMS  
AT TURF VALLEY  
BUILDABLE BULK PARCEL 'AA'  
HOWARD COUNTY, MARYLAND  
CONTRACT NO. #24-5133-D**

**QUANTITIES**

ITEMS	QUANTITIES ESTIMATED	ASBUILT	
		QUANTITIES	TYPE MANU/SUPPLIER
8" WATER (PVC C900 DR18)	1162 LF	1164	C900 North American
6" FIRE HYDRANT, TEE & VALVE	4	4	FH 8648 AMERICAN DRESSING
8" PVC WHC	40 LF	230	C900 North American
8" PVC SDR-35 SEWER	117 LF	233	SDR-35 North American
4" MANHOLE	1 EA	1	STANDARD TH CPC

NAME OF UTILITY CONTRACTOR: UTILITIES UNLIMITED

SURVEY AND DRAFTING DIVISION AS-BUILT DATE:



TYPE OF BUILDING: RESIDENTIAL-MULTI FAMILY

NO. OF LOTS/PARCELS: 1

NO. OF WATER HOUSE CONNECTIONS: 4

NO. OF SEWER HOUSE CONNECTIONS: N/A

SEWER SHED: LITTLE PATUXENT

TREATMENT PLANT: LITTLE PATUXENT

TEST GRADIENT: 906

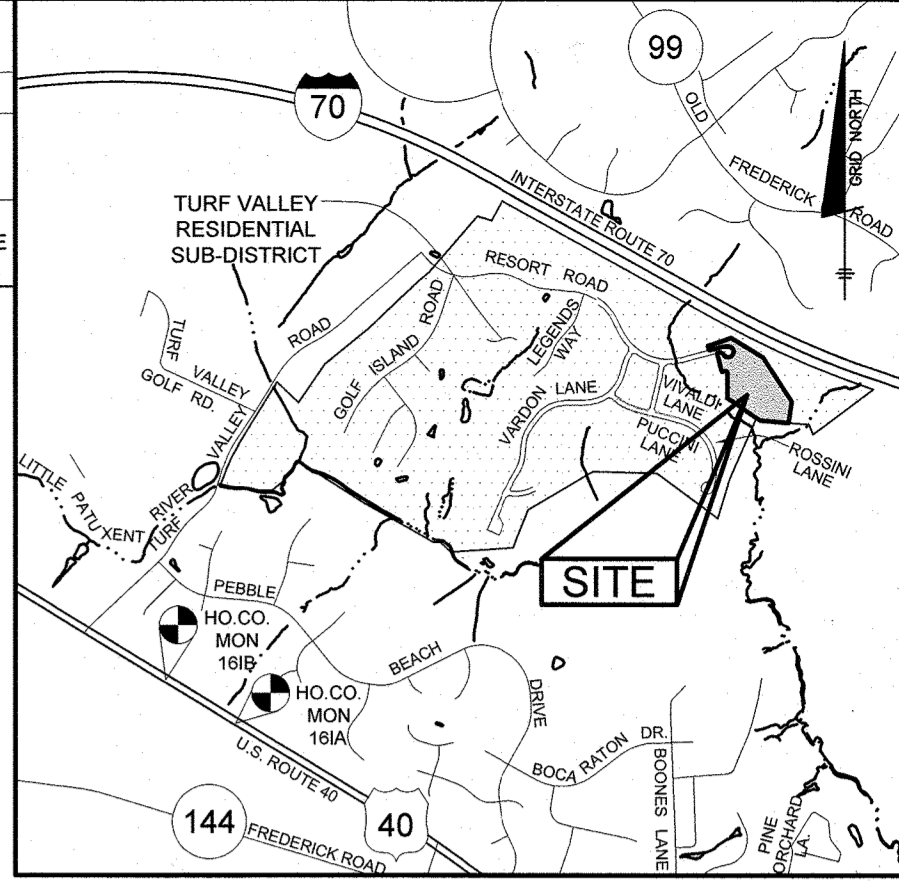
WATER ZONE: 630W

TEST PRESSURE: 208

**LOCATION PLAN**  
SCALE: 1"=600'

**BENCHMARKS**

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
161B	590,475.2538	1,344,753.9350	469.892	11.5' SOUTHWEST OF WBL RT. 40, 20.8' WEST OF PK NAIL IN SHOULDER, 66.4' SOUTH OF LAST POST IN GUARDRAIL
17AB	598,435.249	1,348,615.2482	508.469	SE OF INTERSECTION OF RTE. 99 AND WETHERBURN ROAD, 14.8' WEST OF FENCE POST, 35' NE OF MANHOLE



**LEGEND**

— W — W —	EXIST. WATER MAIN
— S — S —	EXIST. SEWER MAIN
— (X) —	PROP. WATER MAIN
— (H) —	PROP. FIRE HYDRANT
— (V) —	PROP. WATER VALVE
— (C) —	PROP. WATER HOUSE CONNECTION
— (M) —	PROP. SEWER MAIN
— (MH) —	PROP. SEWER MANHOLE

**SHEET INDEX**

NO.	DESCRIPTION
1	TITLE SHEET
2	PUBLIC WATER AND SEWER PLAN
3	PUBLIC WATER AND SEWER PROFILES

**WATER HOUSE CONNECTION AS-BUILT LOCATION TABLE**

BLDG	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
1	10421 RESORT ROAD	46' WMB TO 8" VE BLDG #1	102' WMB TO FH #2
2	10411 RESORT ROAD	47' WMB TO 8" VE BLDG #2	20' WMB TO FH #3
3	10401 RESORT ROAD	48' WMB TO 8" VE BLDG #3	48' WMB TO FH #3
4	10391 RESORT ROAD	22' WMB TO 8" VE BLDG #4	78' WMB TO FH #2

**SEWER HOUSE CONNECTION AS-BUILT LOCATION TABLE**

BLDG	LOCATION DIM. 1	LOCATION DIM. 2
1	D.O. 29' SMB TO SDMH #1	14' SMB TO SMH #6
2	D.O. 58' SMB TO SMH #4	13' SMB TO SMH #5
3	D.O. 29' SMB TO SMH #3	27' SMB TO SMH #2
4	D.O. 120' SMB TO SMH #7	48' SMB TO SMH #8

SMB = SEWER MARKER BOARD

Professional Certification, 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. 22390, Expiration Date: 6-30-2021.

*Al Malayan* 7-8-20  
Professional Engineer

DES: LDD

DRAFT: LDD

CHK: DBT

DATE: 7/2020

BY	NO.	REVISIONS	DATE

**COVER SHEET**

600 SCALE MAP # 16 & 17

BLOCK: 12 & 9

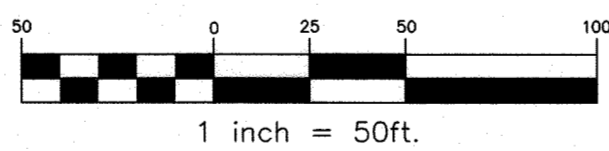
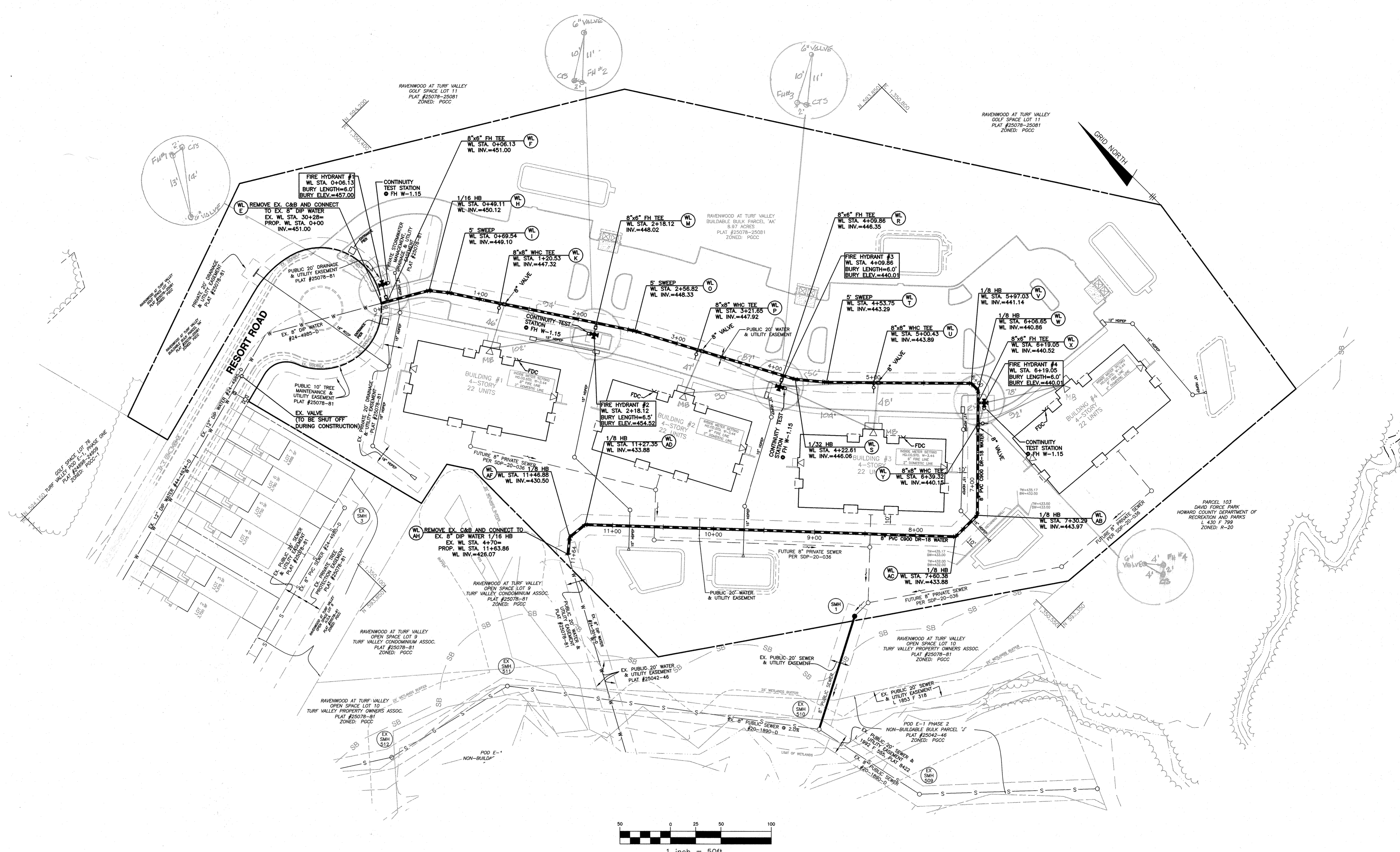
**RAVENWOOD CONDOMINIUMS AT TURF VALLEY**  
BUILDABLE BULK PARCEL 'AA'

TAX MAP: 16 - BLOCK: 16 - PARCEL: P/O 8 AND 706 - ZONED: PGCC - ELECTION DISTRICT: 2

**CONTRACT NO. 24-5133-D**

SCALE: AS SHOWN

SHEET NO. 1 OF 3



OWNER:

MANGIONE ENTERPRISES OF TURF VALLEY,  
LIMITED PARTNERSHIP  
1205 YORK ROAD, PENTHOUSE  
LUTHERVILLE, MARYLAND 21093  
410-825-8400

Professional Certification. 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. 22390, Expiration Date: 6-30-2021.

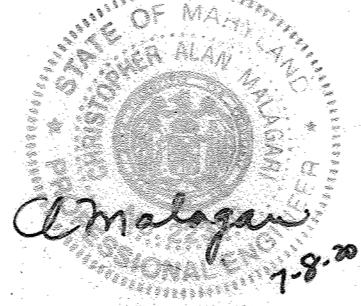
DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

*Signature*  
7-30-2020  
CHIEF, BUREAU OF UTILITIES

*Signature*  
7-30-2020  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

**BENCHMARK**  
ENGINEERS & LAND SURVEYORS & PLANNERS  
**ENGINEERING, INC.**  
8490 BALTIMORE NATIONAL PIKE & SUITE 315 A ELICOTT CITY, MARYLAND 21043  
(P) 410-465-6105 (F) 410-465-6644  
WWW.BE-CVLENGINEERING.COM



DES: LDD  
DRAFT: LDD  
CHK: DBT  
DATE: 7/2020

BY	NO.	REVISIONS	DATE

**PUBLIC WATER AND  
SEWER PLAN**

600 SCALE MAP # 16 & 17

**RAVENWOOD CONDOMINIUMS AT TURF VALLEY  
BUILDABLE BULK PARCEL 'AA'**

TAX MAP: 16 - BLOCK: 16 - PARCEL: P/O 8 AND 706 - ZONED: PGCC - ELECTION DISTRICT: 2

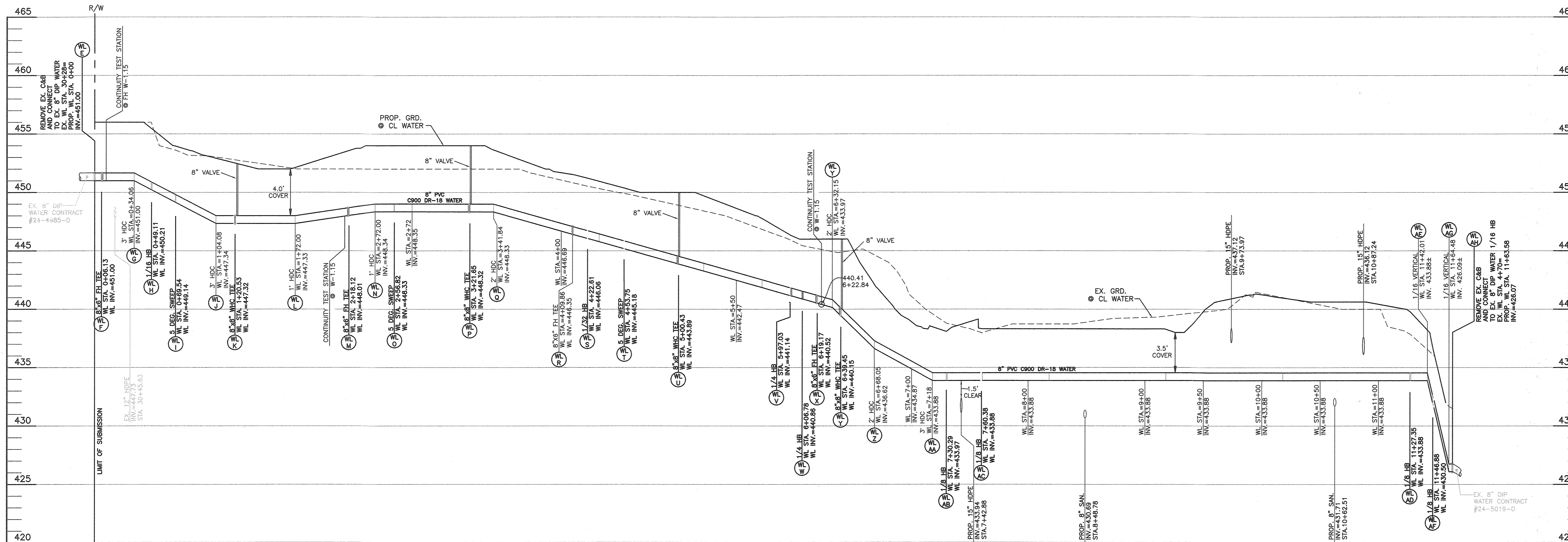
**CONTRACT NO. 24-5133-D**

SCALE:  
AS SHOWN

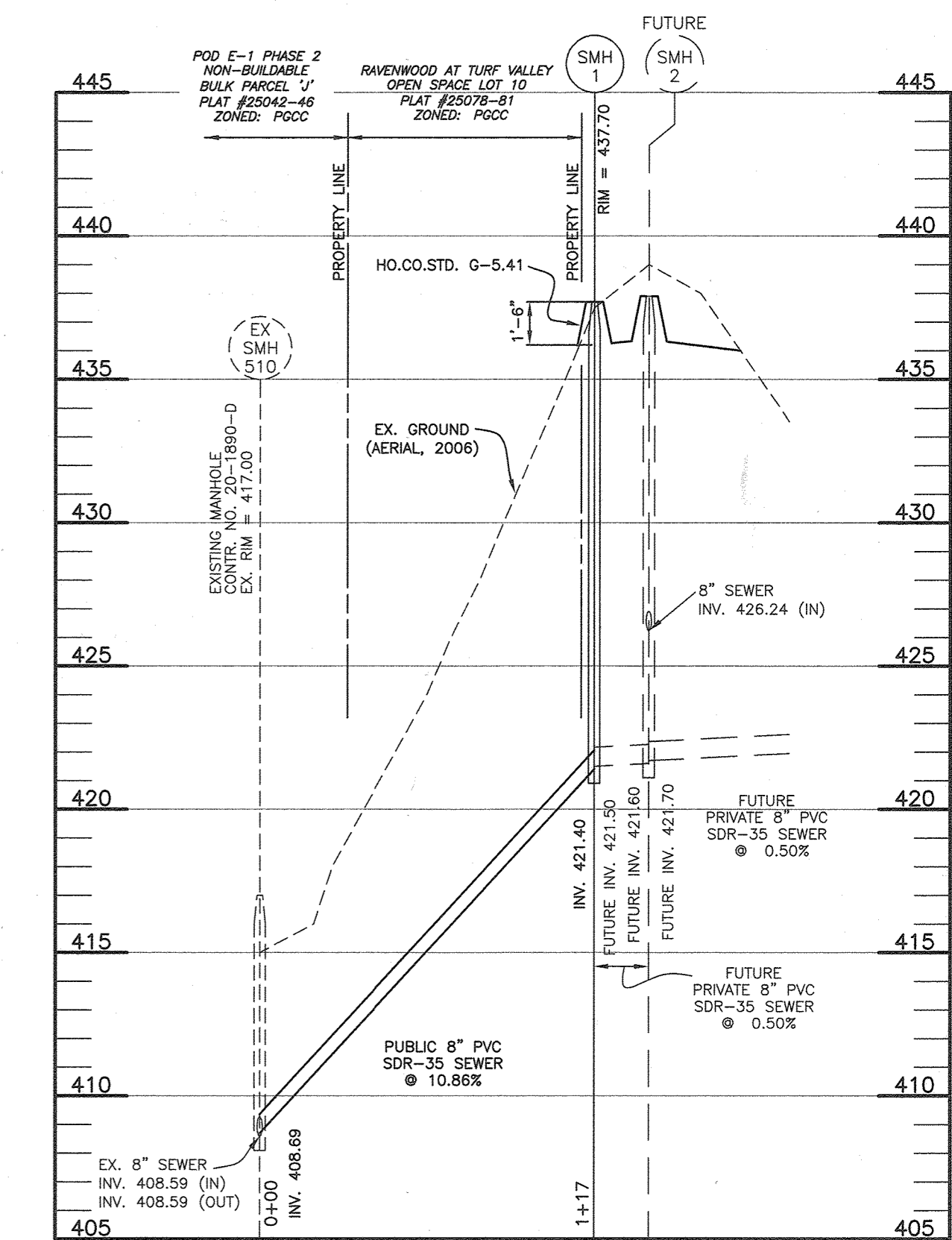
SHEET NO.  
2 OF 3

WATER APPURTENANCES SCHEDULE				
NAME	APPURTENANCE	WATER LINE STATION	NORTHING	EASTING
WL E	8" CONNECTION	WL STA 0+00.00	594049.7733	1350298.5556
WL F	8"x8" FH TEE	WL STA 0+08.13	594046.7076	1350303.8601
WL G	3" HIGH DEFLECTION COUPLING	WL STA 0+34.06	594032.7282	1350328.0479
WL H	1/16 HORIZONTAL BEND	WL STA 0+49.11	594025.2010	1350341.0719
WL I	5 DEG. SWEEP	WL STA 0+69.54	594009.1690	1350353.7456
WL J	3" HIGH DEFLECTION COUPLING	WL STA 1+04.08	593980.3070	1350372.7198
WL K	8"x8" TEE	WL STA 1+20.53	593966.5661	1350381.7594
WL L	1" HIGH DEFLECTION COUPLING	WL STA 1+72.00	593923.5612	1350410.0376
WL M	8"x8" FH TEE	WL STA 2+18.12	593885.0291	1350435.3747
WL N	1" HIGH DEFLECTION COUPLING	WL STA 2+49.47	593866.3513	1350447.6564
WL O	5 DEG. SWEEP	WL STA 2+56.82	593852.8524	1350456.6380
WL P	8"x8" TEE	WL STA 3+21.65	593795.6281	1350487.4000
WL Q	2" HIGH DEFLECTION COUPLING	WL STA 3+41.84	593777.8508	1350496.9819
WL R	8"x8" FH TEE	WL STA 4+22.61	593706.7531	1350535.3077
WL S	1/32 HORIZONTAL BEND	WL STA 4+22.61	593706.7531	1350535.3077
WL T	5 DEG. SWEEP	WL STA 4+53.75	593682.7660	1350555.1640
WL U	8"x8" TEE	WL STA 5+00.43	593649.5494	1350587.9590
WL V	1/8 HORIZONTAL BEND	WL STA 5+97.03	593580.7950	1350655.8178
WL W	1/8 HORIZONTAL BEND	WL STA 6+23.00	593562.4723	1350646.9216
WL X	8"x8" FH TEE	WL STA 6+23.00	593562.4723	1350646.9216
WL Y	8"x8" TEE	WL STA 6+39.32	593549.2294	1350632.4874
WL Z	2" HIGH DEFLECTION COUPLING	WL STA 6+68.05	593528.1479	1350612.1327
WL AA	3" HIGH DEFLECTION COUPLING	WL STA 7+18.05	593492.9379	1350576.4531
WL AB	1/8 HORIZONTAL BEND	WL STA 7+30.29	593484.3351	1350567.7348
WL AC	1/8 HORIZONTAL BEND	WL STA 7+60.38	593484.9077	1350537.6518
WL AD	1/8 HORIZONTAL BEND	WL STA 11+27.35	593752.4101	1350286.4408
WL AE	1/16 VERTICAL BEND	WL STA 11+42.01	593753.9109	1350271.8604
WL AF	1/8 HORIZONTAL BEND	WL STA 11+46.88	593752.3469	1350264.4786
WL AG	1/16 VERTICAL BEND	WL STA 11+64.48	593745.7607	1350256.4852
WL AH	1/8 HORIZONTAL BEND	WL STA 11+63.86	593743.7178	1350253.8374

STRUCTURE TABLE									
NUMBER	TYPE	NORTHING	EASTING	INVERT IN	INVERT OUT	TOPELEV.	STD. DETAIL	OWNER	REMARKS
SMH 1	48" MH	593499.8363	1350411.4265	421.50(8")	421.40(8")	437.70	HO. CO. STD. G-5-14	PUBLIC	



PUBLIC WATER  
SCALE: 1"=50' HORZ., 1"=5' VERT.



PUBLIC SEWER PROFILE  
SCALE: 1"=50' HORZ., 1"=5' VERT.

OWNER:  
MANGIONE ENTERPRISES OF TURF VALLEY,  
LIMITED PARTNERSHIP  
1205 YORK ROAD, PENTHOUSE  
LUTHERVILLE, MARYLAND 21093  
410-825-8400

Professional Certification. 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. 22390, Expiration Date: 6-30-2021.

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
7-30-2020

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND  
8-20-20

**BENCHMARK**  
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DES:	LDL				
DRAFT:	LDL				
CHK:	DBT				
DATE:	7/2020				
BY	NO.	REVISIONS	DATE		

PUBLIC WATER AND  
SEWER PROFILE  
600 SCALE MAP # 16 & 17  
BLOCK: 12 & 9

RAVENWOOD CONDOMINIUMS AT TURF VALLEY  
BUILDABLE BULK PARCEL 'AA'  
TAX MAP: 16 - BLOCK: 16 - PARCEL: P/O 8 AND 706 - ZONED: PCCC - ELECTION DISTRICT: 2  
CONTRACT NO. 24-5133-D

SCALE:  
AS SHOWN  
SHEET NO.  
3 OF 3