

PUBLIC WATER AND SEWER PLANS

FOR

PARK VIEW AT TURF VALLEY PHASE II

LOTS 18-72, OPEN SPACE LOTS 77, 78, 80 AND 81

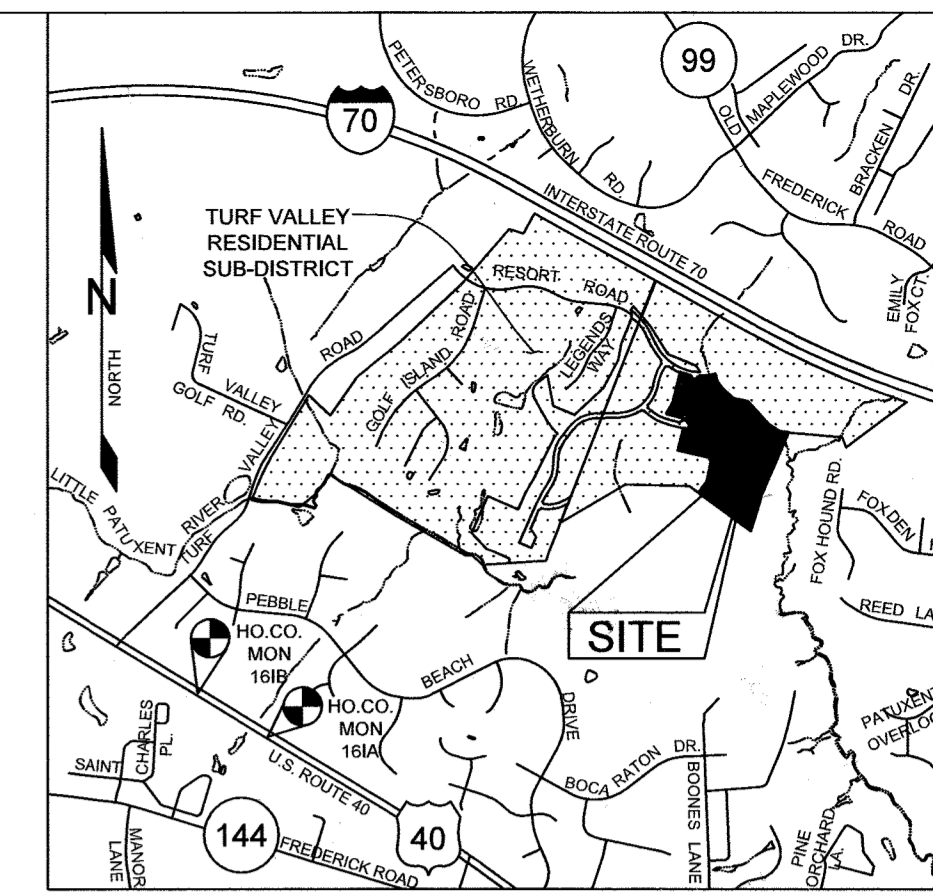
GOLF SPACE LOT 79

NON-BUILDABLE BULK PARCEL 'J'

SECOND ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

CONTRACT # 24-5019-D

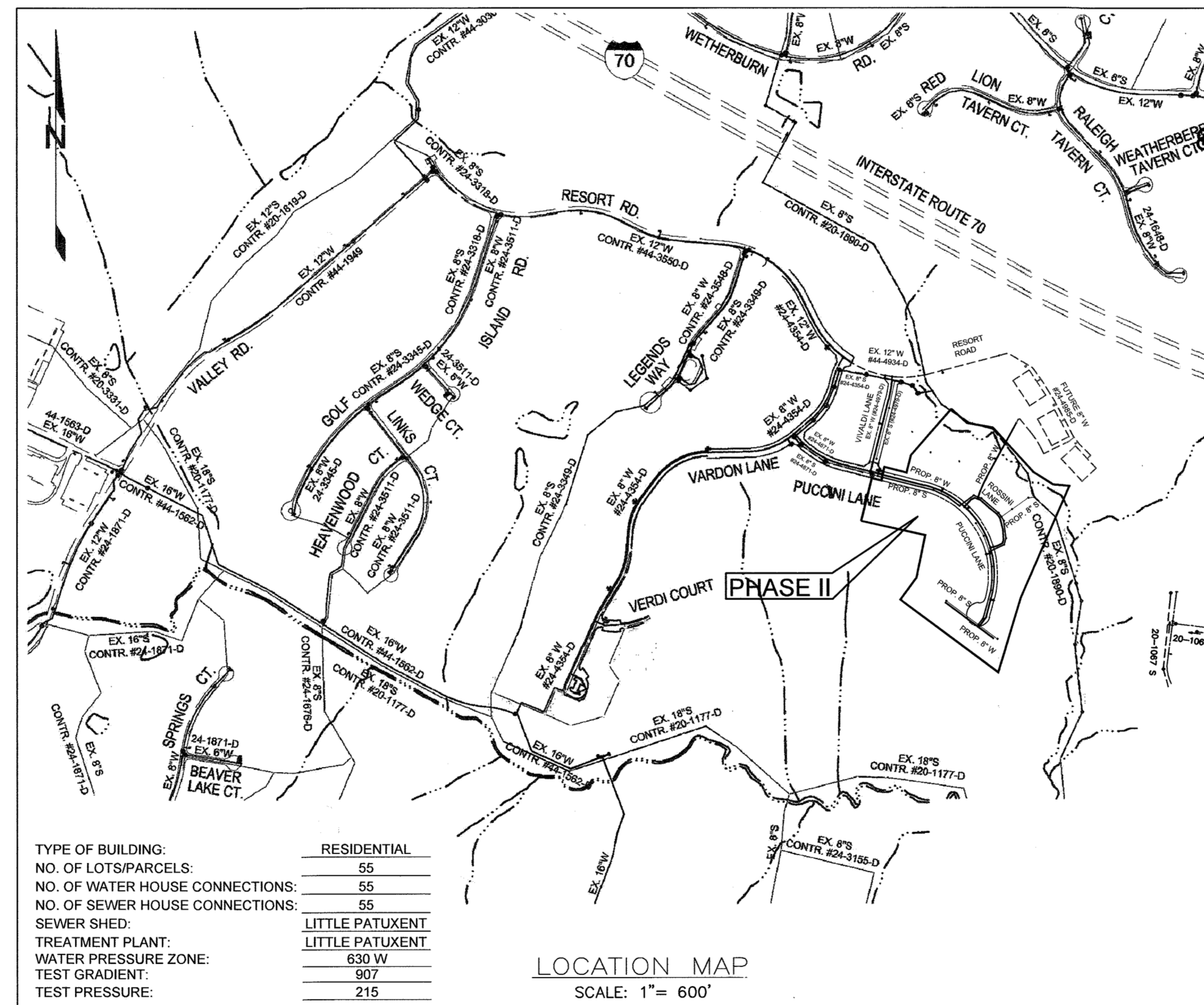


WATER QUANTITIES				
ITEM	SUPPLIER	ESTIMATE	UNIT	AS-BUILT
8" DIP WATER, CLASS 54	U.S. Pipe	2990	LF	2568
1.5" WHC	Cambridge Lee	1310	LF	1373
1" METER (OUTSIDE SETTING)	A.J. McDonald	55	EA	55
6" FIRE HYDRANT & VALVE	American Darling	4	EA	4
8" x 8" TEE	Star Pipe	5	EA	4
8" x 6" FIRE HYDRANT TEE	Star Pipe	4	EA	4
8" VALVE	American Flow Control	8	EA	8
8" CAP AND BUTTRESS	Star Pipe	3	EA	3
8" BLOWOFF	Star Pipe	1	EA	1

SEWER QUANTITIES				
ITEM	SUPPLIER	ESTIMATE	UNIT	AS-BUILT
8" PVC DR35	North American	2200	LF	2066
4" SHC	North American	1305	LF	1123
SEWER MANHOLE/24" DIA	Atlantic Concrete	23	EA	23
CLEANOUT	Prism Pre-cast	55	EA	55
DROP HOUSE CONNECTION	Prism Pre-cast	17	EA	16

GENERAL NOTES

- 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 BASED ON WINGS AERIAL MAPPING CO., INC. WITH 2 FOOT CONTOUR INTERVAL ON OR ABOUT JANUARY, 2006.
- BOUNDARY SURVEY PREPARED BY NJR & ASSOCIATES ON OR ABOUT MAY, 2017.
- 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. 161A, AND 161B.
- 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 (CONSTRUCTION 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 THE 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(A) OF THE HOWARD COUNTY CODE.
- WAIVER PETITION WP-18-101 WAS APPROVED ON MAY 7, 2018, APPROVING ALTERNATIVE COMPLIANCE OF SECTION 16.115(c)(2) PROHIBITION ON USE OF FLOODPLAIN LAND AND SECTION 16.116(c)(1) NECESSARY DISTURBANCE. APPROVAL SUBJECT TO THE FOLLOWING CONDITIONS:
 - COMPLIANCE WITH ALL SRC AGENCY COMMENTS GENERATED WITH THE REVIEW OF THE SITE DEVELOPMENT PLAN, F-17-096.
 - ALL GRADING AND CLEARING SHALL BE MINIMIZED TO THE EXTENT REQUIRED TO CONSTRUCT THE PROPOSED WATER LINE. ANY DISTURBED AREAS MUST BE RETURNED TO THE EXISTING GRADE, STABILIZED, AND PLANTED AS APPROPRIATE.
 - ALTERNATIVE COMPLIANCE REQUEST SHALL APPLY ONLY TO THE PROPOSED UTILITY CROSSING DESCRIBED AND AS SHOWN ON THE EXHIBIT AND NOT TO ANY OTHER ACTIVITIES, USES, STRUCTURES, OR ADDITIONS TO THIS PROPERTY.
 - COMPLIANCE WITH ALL APPLICABLE COUNTY AND STATE REGULATIONS AND OBTAIN ALL NECESSARY PERMITS PRIOR TO INITIATING CONSTRUCTION ON SITE.
 - THE APPLICANT SHALL OBTAIN ALL REQUIRED AUTHORIZATION AND PERMITS FROM THE MARYLAND DEPARTMENT OF THE ENVIRONMENT AND THE U.S. ARMY CORPS OF ENGINEERS FOR DISTURBANCE WITHIN WETLANDS, WETLAND BUFFERS, STREAM, STREAM BUFFER, AND 100-YEAR FLOODPLAIN.
- JOINT FEDERAL/STATE APPLICATION FOR THE ALTERATION OF ANY FLOODPLAIN, WATERWAY, TIDAL OR NONTIDAL WETLAND IN MARYLAND" MDE TRACKING NO. 201860765, PERMIT NO. 18-NI-0143.
- PER THE DESIGN MANUAL WAIVER AGREEMENT (DATED OCTOBER 17, 2017):
 - TEMPORARY NON-LOOPED WATER MAIN EXTENSION HAS BEEN APPROVED BY HOWARD COUNTY DPW UNDER THE FOLLOWING CONDITIONS:
 - POD E-2 RAVENWOOD PLANS SHALL INCLUDE THE WATER MAIN LOOP CONNECTION AND CONTINUE TO BE PROCESSED, BONDED AND CONSTRUCTED WITHIN 5 YEARS.
 - IF THE POPULATION DENSITY OF POD E-1, PHASE II INCREASES ABOVE 55 UNITS, A NEW DESIGN MANUAL WAIVER REQUEST MUST BE SUBMITTED.
 - THE PROPOSED USE OF JACK & BORE TO INSTALL THE 8-INCH WATER MAIN AT THE STREAM CROSSING HAS BEEN APPROVED BY HOWARD COUNTY DPW UNDER THE FOLLOWING CONDITIONS:
 - DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE HOWARD COUNTY DESIGN MANUALS AND THE DESIGNER IS RESPONSIBLE FOR ALL PERMITTING, COORDINATION AND OTHER REQUIREMENTS ESTABLISHED BY REGULATORY AGENCIES THAT RESULT FROM WETLAND CROSSINGS.
 - THE PUBLIC WATER AND UTILITY EASEMENT IN THE JACK & BORE SECTION WITHIN THE STREAM, WETLANDS AND BUFFERS IS REQUIRED TO BE CLEARED OF TREES AND BRUSH.

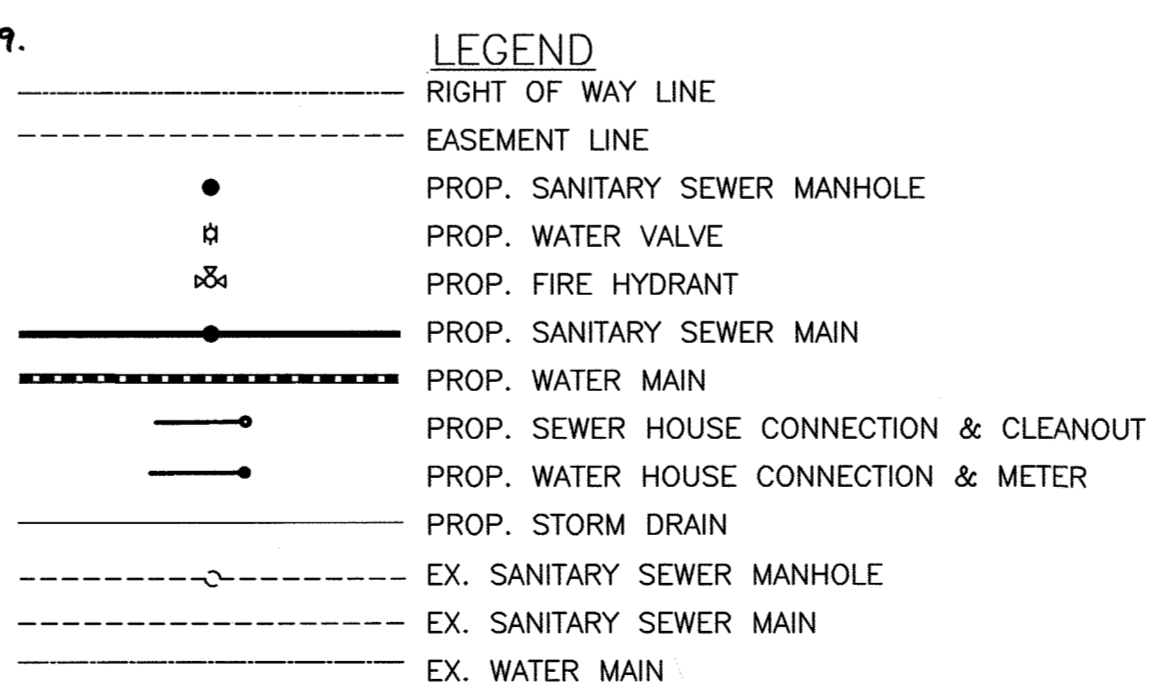


TYPE OF BUILDING:	RESIDENTIAL
NO. OF LOTS/PARCELS:	55
NO. OF WATER HOUSE CONNECTIONS:	55
NO. OF SEWER HOUSE CONNECTIONS:	55
SEWER SHED:	LITTLE PATUXENT
TREATMENT PLANT:	LITTLE PATUXENT
WATER PRESSURE ZONE:	630 W
TEST GRADIENT:	907
TEST PRESSURE:	215

LOCATION MAP
SCALE: 1" = 600'

NOTE: DMVZ-19-017 WAS APPROVED ON 7.9.2019.
GRAVITY SEWER SERVICE, FIRST FLOOR ONLY.
BASEMENT SERVICE TO BE PROVIDED BY PRIVATE ON-SITE PUMP, DENOTED BY "C.N.S." ON LOTS G3, G4, G5, AND G6.

NOTE:
1. ALL WATER HOUSE CONNECTIONS SHALL BE 1.5" WITH A 1" METER (OUTSIDE SETTING) UNLESS OTHERWISE NOTED ON THE PLANS.
2. ALL SEWER HOUSE CONNECTIONS SHALL BE 4" PVC UNLESS OTHERWISE NOTED IN THE PLANS.



INDEX OF DRAWINGS	
SHEET	SHEET TITLE
1	COVER SHEET
2	WATER AND SEWER PLAN
3	WATER PROFILES
4	SEWER PROFILES
5	TABLES

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, 86.4' SOUTH OF LAST POST IN GUARDRAIL
161A	589,509.366	1,346,343.63	463.797	RT. 40, 0.35 MI WEST OF RT. 144 JOINT

WATER NOTES

- ALL WATER MAINS SHALL BE D.I.P. CLASS 54 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 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 HARNESSES. 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 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 #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 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 CERTAINTIEP PVC HIGH DEFLECTION (HD) STOP COUPLINGS OR EQUAL 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 (IPEX) 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 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 EXPANSION 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.
- ALL WATER HOUSE CONNECTIONS SHALL BE 1.5" WITH A 1" METER, OUTSIDE SETTING.

SEWER NOTES

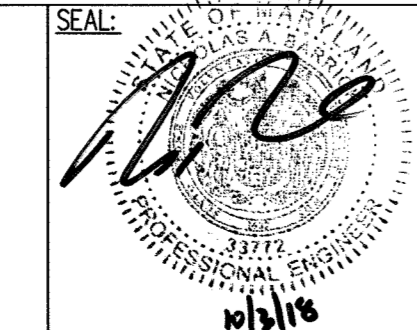
- ALL SEWER MAINS SHALL BE DIP OR P.V.C. UNLESS OTHERWISE NOTED.
- ALL MANHOLES SHALL BE 4' - 0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- FORCE MAINS SHALL BE D.I.P. ONLY.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVER, STANDARD DETAIL G5.52. WHERE WATERTIGHT 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.

HOWARD SOIL CONSERVATION DISTRICT
HOWARD COUNTY, MARYLAND
THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY HOWARD COUNTY SOIL CONSERVATION DISTRICT
[Signature] 4/7/18
DATE

* As shown, Plans INDICATE OPEN TRENCH CONSTRUCTION.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
[Signature] 10-25-18
DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
[Signature] 11-15-18
DATE



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. 33772, EXPIRATION DATE: 6/16/2019

KCI TECHNOLOGIES
936 RIDGEHURST ROAD
SPARKS, MD 21152
PHONE: (410) 316-7800
FAX: (410) 316-7817
WWW.KCI.COM

DESIGN:	SK/MG				
DRAWN:	SK/MG				
CHECKED:	NB	BE1	Z	ZEVISE SUBDIVISION NAME	1.13.2020
DATE:	10-05-2018	BE1	I	ADD NOTE ABOUT DMVZ-19-017	8.2.2019
BY:				REVISION	

PARK VIEW AT TURF VALLEY, PHASE II
CONTRACT # 24-5019-D
LOTS 18-72, OPEN SPACE LOTS 77, 78, 80 & 81, GOLF SPACE LOT 79
AND NON-BUILDABLE BULK PARCEL 'J'
POD 'E-1' SECTION IV: RESIDENTIAL PHASE I
A SUBDIVISION OF BULK PARCEL 'J', TURF VALLEY POD E-1, PHASE I
TAX MAP 17 GRID 13, ZONED: PGCC

SCALE AS SHOWN

SHEET 1 OF 5

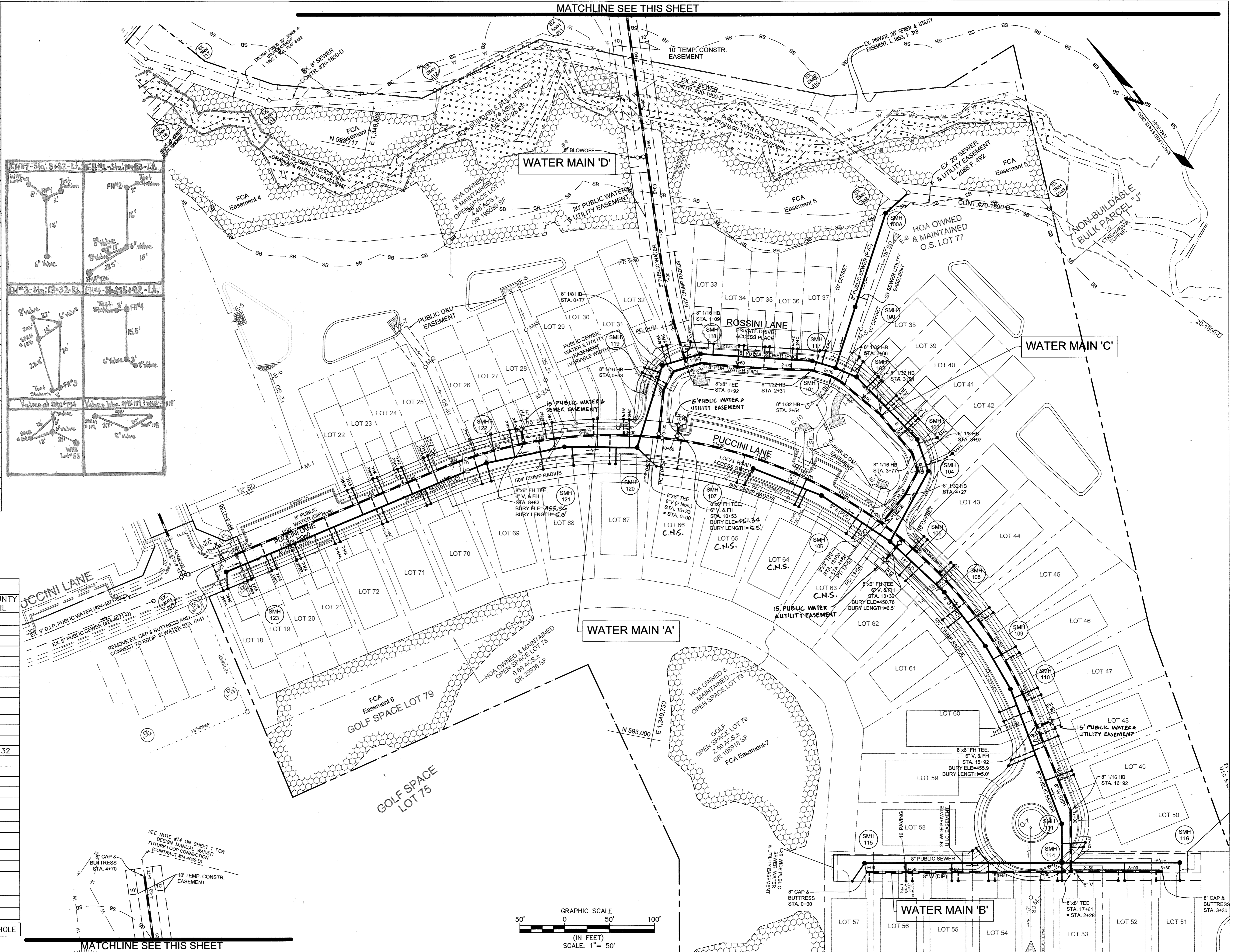
COVER SHEET

600' SCALE MAP NO.: 16 BLOCK: 16 ELECTION DISTRICT NO. 2 HOWARD COUNTY, MARYLAND

LOCATION	ITEM	NORTHING	EASTING
WATER MAIN 'A' (PUCCINI LANE)			
STA. 5+41	CONNECT TO 8" W	593442.20	1349501.38
STA. 7+81	PC	593383.19	1349737.55
STA. 8+82	8" x 6" FH TEE	593349.36	1349832.87
STA. 10+27	PT	593269.08	1349952.66
STA. 10+33	8" x 8" TEE	593264.99	1349957.32
STA. 10+36	8" V	593262.28	1349959.98
STA. 10+39	PC	593260.99	1349961.49
STA. 10+53	8" x 6" FH TEE	593250.97	1349971.87
STA. 12+97	PT	593045.34	1350097.70
STA. 13+03	8" x 8" TEE	593039.57	1350099.37
STA. 13+06	8" V	593035.51	1350100.61
STA. 13+09	PC	593033.68	1350101.19
STA. 13+32	8" x 6" FH TEE	593010.91	1350106.69
STA. 15+83	PT	592762.48	1350104.83
STA. 15+92	8" x 6" FH TEE	592753.94	1350102.56
STA. 15+96	8" V	592750.07	1350101.49
STA. 16+93	8" 1/16 HB	592656.68	1350077.01
STA. 17+61	8" x 8" TEE	592601.61	1350036.09
WATER MAIN 'C' (ROSSINI LANE)			
STA. 0+04	8" V	593267.87	1349959.90
STA. 0+53	8" 1/16 HB	593304.26	1349993.45
STA. 0+77	8" 1/8 HB	593314.14	1350014.79
STA. 0+92	8" x 8" TEE	593308.72	1350029.66
STA. 1+09	8" 1/16 HB	593303.06	1350045.16
STA. 2+31	8" 1/32 HB	593224.20	1350138.19
STA. 2+54	8" 1/32 HB	593205.03	1350152.23
STA. 2+66	8" 1/32 HB	593193.87	1350157.32
STA. 3+24	8" 1/32 HB	593137.95	1350170.97
STA. 3+77	8" 1/16 HB	593081.00	1350173.42
STA. 3+97	8" 1/8 HB	593061.74	1350166.40
STA. 4+27	8" 1/32 HB	593049.00	1350139.20
STA. 4+68	8" V	593040.38	1350103.19
WATER MAIN 'B' (LOT 51 TO 57)			
STA. 0+00	8" CAP & BUTTRESS	592737.49	1349853.19
STA. 2+24	8" V	592603.99	1350032.88
STA. 2+28	8" x 8" TEE	592601.61	1350036.09
STA. 2+32	8" V	592599.22	1350039.30
STA. 3+30	8" CAP & BUTTRESS	592540.69	1350118.09
WATER MAIN 'D' (FOR FUTURE EXTENSION)			
STA. 0+00	8" V	593308.72	1350029.66
STA. 0+46	8" 1/32 HB	593351.93	1350045.42
STA. 2+67	8" BLOWOFF	593524.52	1350133.62
STA. 4+70	8" CAP & BUTTRESS	593726.33	1350244.30

ITEM	NORTHING	EASTING	TOP ELEV.	INV. IN ELEV.	INV. OUT ELEV.	HOWARD COUNTY STD. DETAIL
SMH 101 TO 123 & 101 TO 114						
SMH 123*	593432.99	1349480.86	456.40	-	446.40	G-5.12
SMH 122	593356.54	1349786.36	455.93	444.10	444.00	G-5.12
SMH 121	593319.18	1349866.73	453.78	442.67	442.57	G-5.12
SMH 120	593270.35	1349931.28	451.73	441.00	440.90	G-5.12
SMH 119	593326.30	1350008.70	449.87	439.08	438.98	G-5.12
SMH 118	593311.77	1350050.46	448.90	436.57	436.47	G-5.12
SMH 117	593230.89	1350145.76	446.46	435.35	435.31	G-5.12
SMH 101	593209.24	1350161.82	446.25	435.10	435.10	G-5.12
SMH 102	593186.74	1350174.70	446.26	435.40	435.30	G-5.12
SMH 103	593090.62	1350187.29	447.36	436.00	435.90	G-5.12
SMH 104	593055.01	1350175.91	448.16	436.36	436.26	G-5.12
SMH 105	593017.35	1350094.98	450.10	439.95	437.78	G-5.12, S-1.32
SMH 108	592936.09	1350109.27	451.84	439.48	439.38	G-5.12
SMH 109	592860.36	1350110.16	453.43	440.56	440.46	G-5.12
SMH 110	592805.34	1350103.96	454.45	440.97	440.87	G-5.12
SMH 111	592650.47	1350059.94	455.75	441.86	441.76	G-5.12
SMH 114	592615.60	1350034.03	456.33	442.30	442.20	G-5.12
SMH 101 TO EX. SMH 509						
SMH 100	593250.57	1350220.06	441.00	433.00	432.90	G-5.12
SMH 100A	593314.25	1350309.75	419.00	412.66	412.56	G-5.12
SMH 105 TO 107						
SMH 106	593104.38	1350064.30	448.65	441.17	441.07	G-5.12
SMH 107	593174.09	1350021.33	448.87	-	442.30	G-5.12
SMH 115 TO 116						
SMH 115*	592746.80	1349857.43	454.50	-	443.88	G-5.12
SMH 116*	592537.10	1350139.70	454.20	-	443.25	G-5.12

*TERMINAL MANHOLE

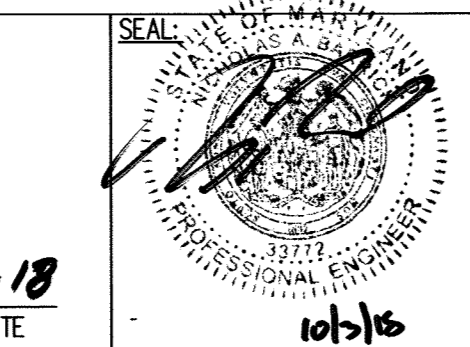


DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

10-25-18

11/5/18



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. 33772, EXPIRATION DATE: 6/16/2019

KCI TECHNOLOGIES
936 RIDENHURST ROAD
SPRINGFIELD, MD 21152
PHONE: (410) 316-7800
FAX: (410) 316-7817
WWW.KCI.COM

DESIGN:	SK/MG		
DRAWN:	SK/MG		
CHECKED:	BEI	Z	REVISE SUBDIVISION NAME
DATE:	10-05-2018	1.13.2020	8.2.2019
BY:	NO.	REVISION	DATE

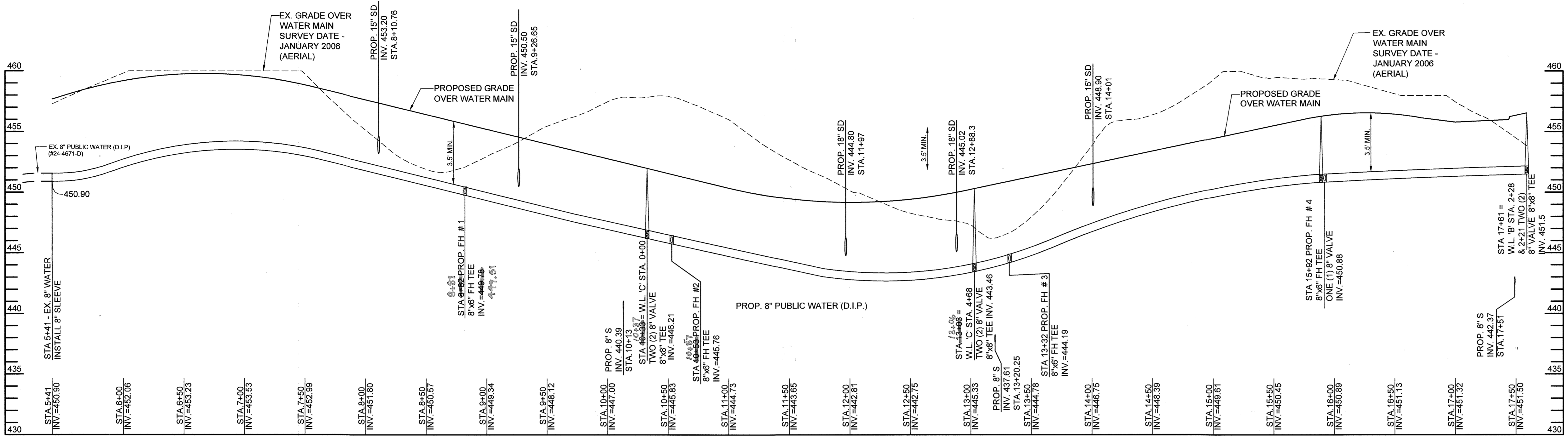
WATER & SEWER PLAN

600' SCALE MAP NO.: 16 BLOCK: 16 ELECTION DISTRICT NO. 2 HOWARD COUNTY, MARYLAND

PARK VIEW AT TURF VALLEY, PHASE II
CONTRACT # 24-5019-D

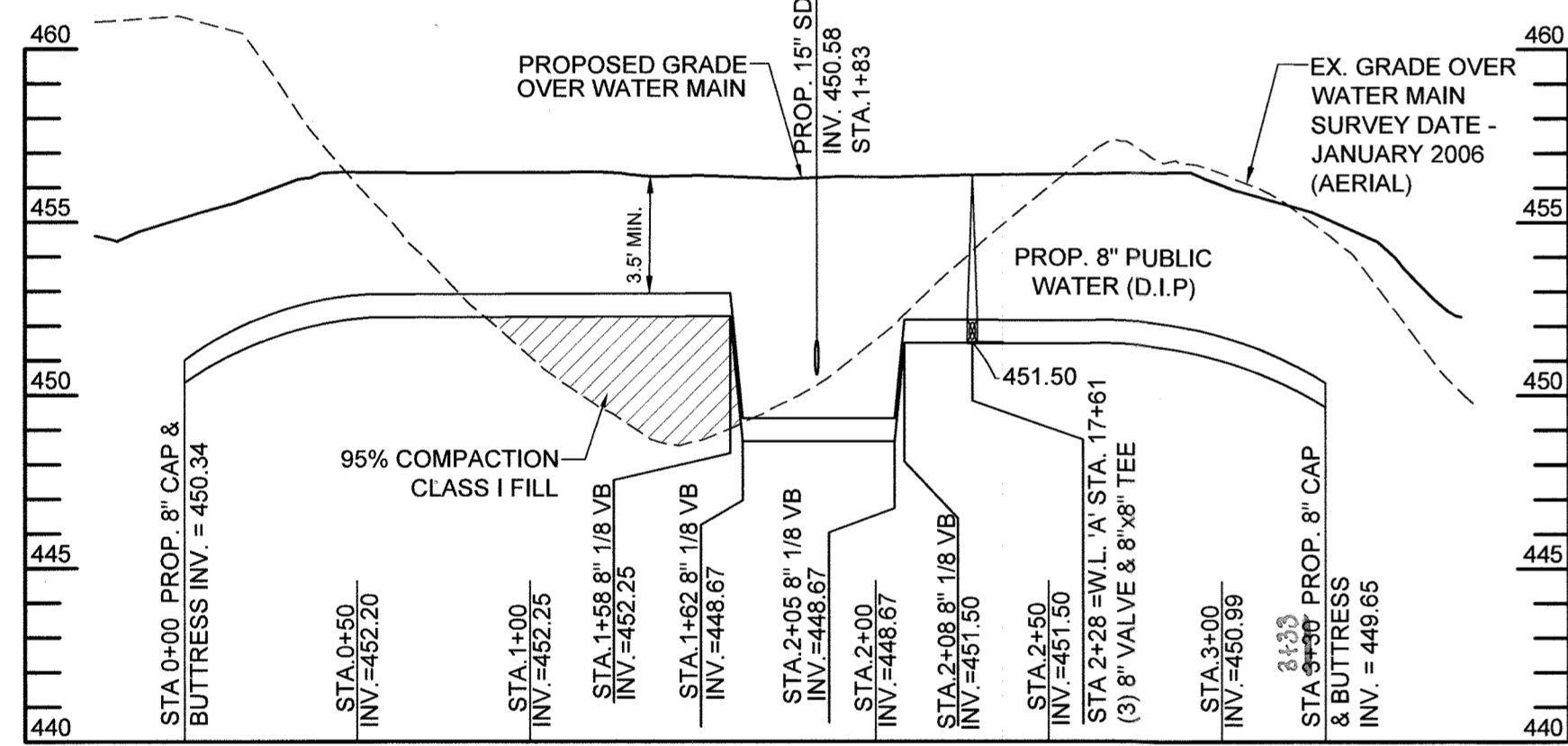
LOTS 18-72, OPEN SPACE LOTS 77, 78, 80 & 81, GOLF SPACE LOT 79 AND NON-BUILDABLE BULK PARCEL J
POD 'E-1' SECTION IV-RESIDENTIAL PHASE IV E
A SUBDIVISION OF BULK PARCEL 'I', TURF VALLEY POD E-1, PHASE I
TAX MAP 17 GRID 13, ZONED: PCCC

SCALE 1"=50'
SHEET 2 OF 5



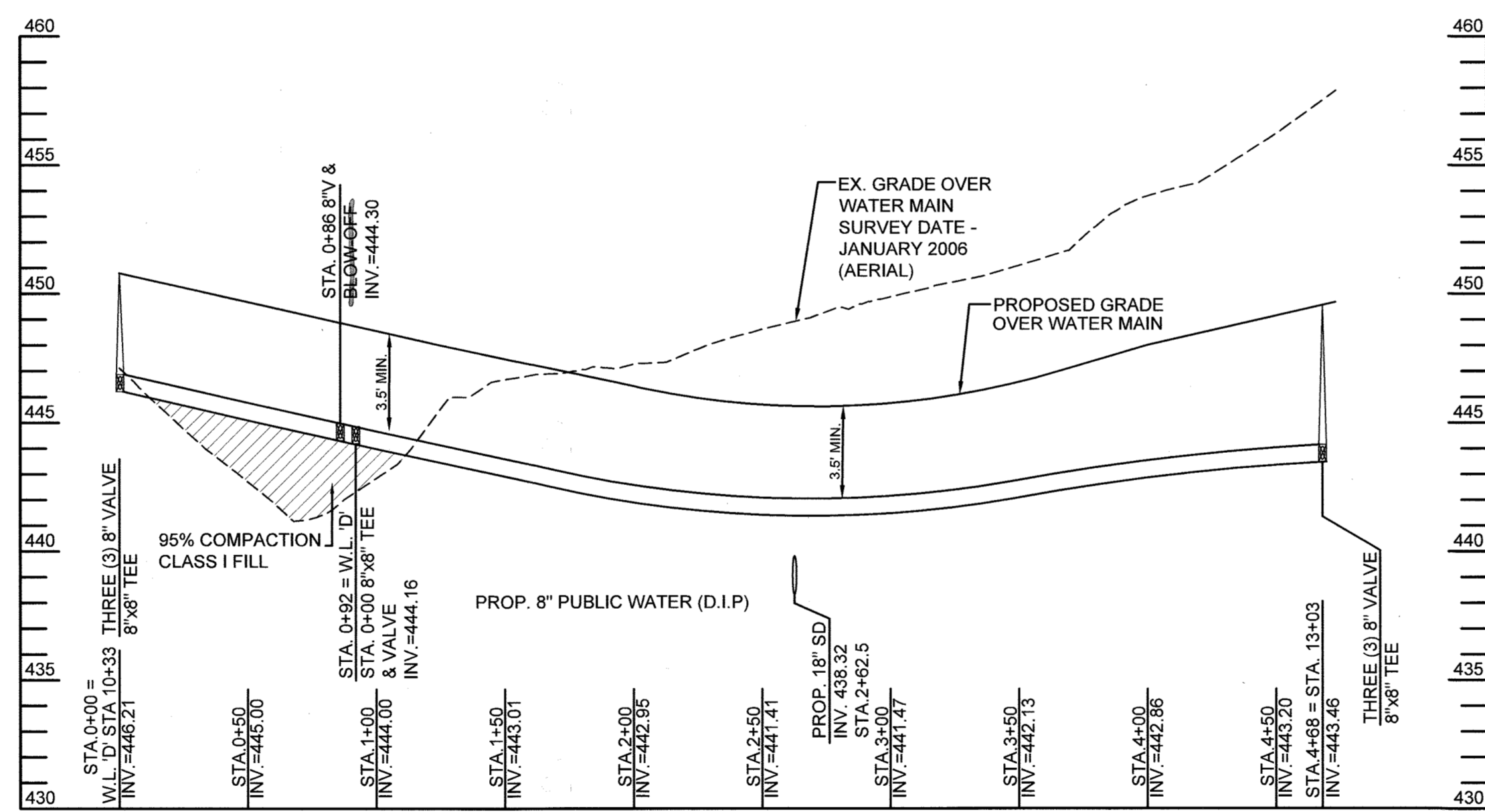
WATER MAIN PROFILE 'A' (PUCCINI LANE)

SCALE 1"=50' H, 1"=5' V



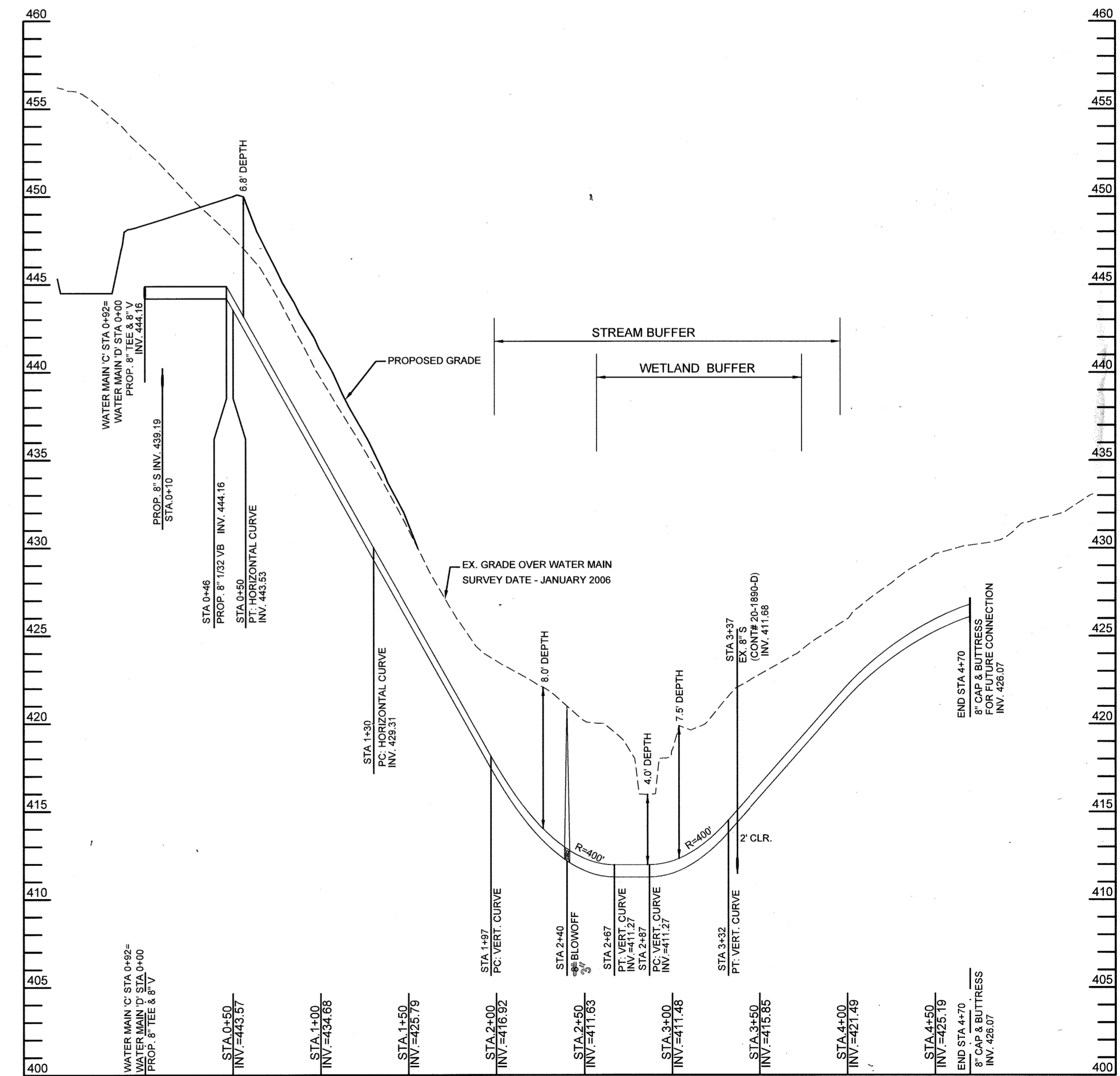
WATER MAIN PROFILE 'B' (LOT 51 TO 57)

SCALE 1"=50' H, 1"=5' V



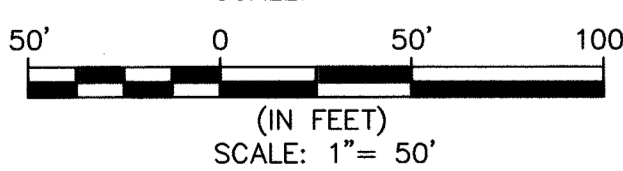
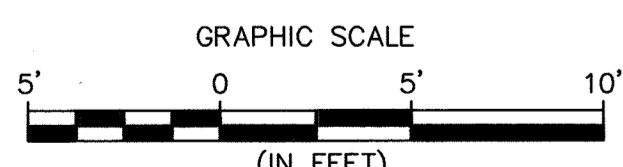
WATER MAIN 'C' PROFILE (ROSSINI LANE)

SCALE 1"=50' H, 1"=5' V



WATER MAIN PROFILE 'D' (FUTURE EXTENSION)

SCALE 1"=50' H, 1"=5' V

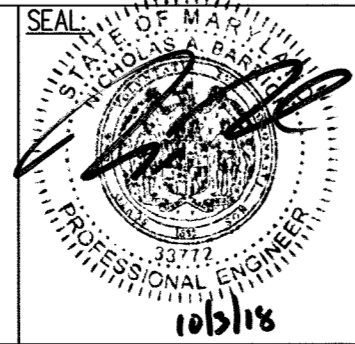


DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature]
CHIEF, BUREAU OF UTILITIES
DATE 10-25-18

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

[Signature]
CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE 11-15-18



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. 33772, EXPIRATION DATE: 6/16/2019

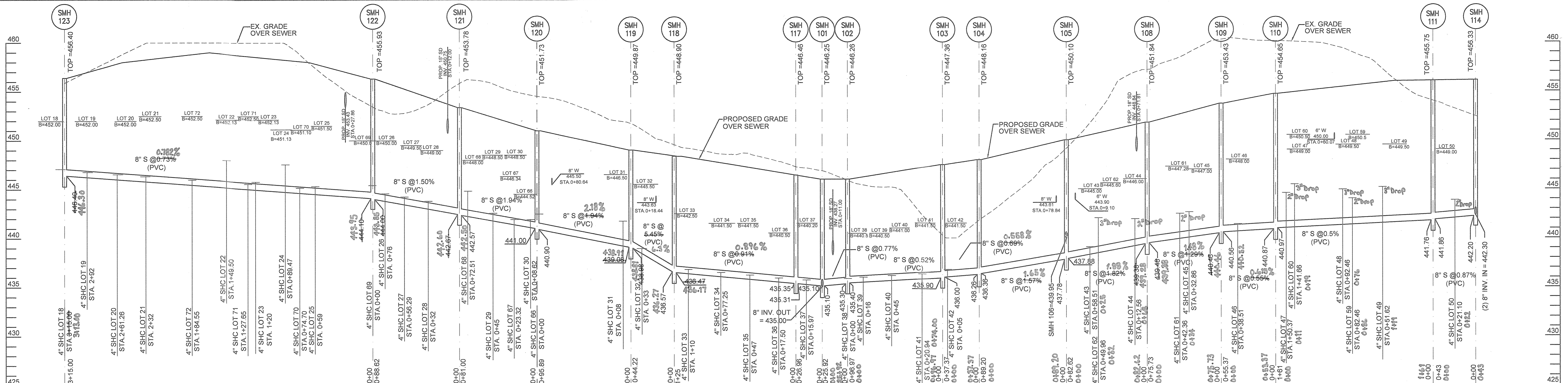
KCI TECHNOLOGIES
ENGINEERS
PLANNERS
SCIENTISTS
CONSTRUCTION MANAGERS
936 RIDERSBROOK ROAD
SPARKS, MD 21152
PHONE: (410) 316-7800
FAX: (410) 316-7817
WWW.KCI.COM

DESIGN:	SK/MG				
DRAWN:	SK/MG				
CHECKED:	NB				
DATE:	10-05-2018	BY:	BE1	NO.	1
REVISION			DATE	1.13.2022	

WATER PROFILES	
600' SCALE MAP NO.:	16
BLOCK:	16

PARK VIEW AT TURF VALLEY, PHASE II
CONTRACT # 24-5019-D
LOTS 18-72, OPEN SPACE LOTS 77, 78, 80 & 81, GOLF SPACE LOT 79
AND NON-BUILDABLE BULK PARCEL 79
POD 'E-1' SECTION IV-RESIDENTIAL PHASE IV E
A SUBDIVISION OF BULK PARCEL "T", TURF VALLEY POD E-1, PHASE I
TAX MAP 17 GRID 13, ZONED: PGCC

SCALE AS SHOWN
SHEET 3 OF 5

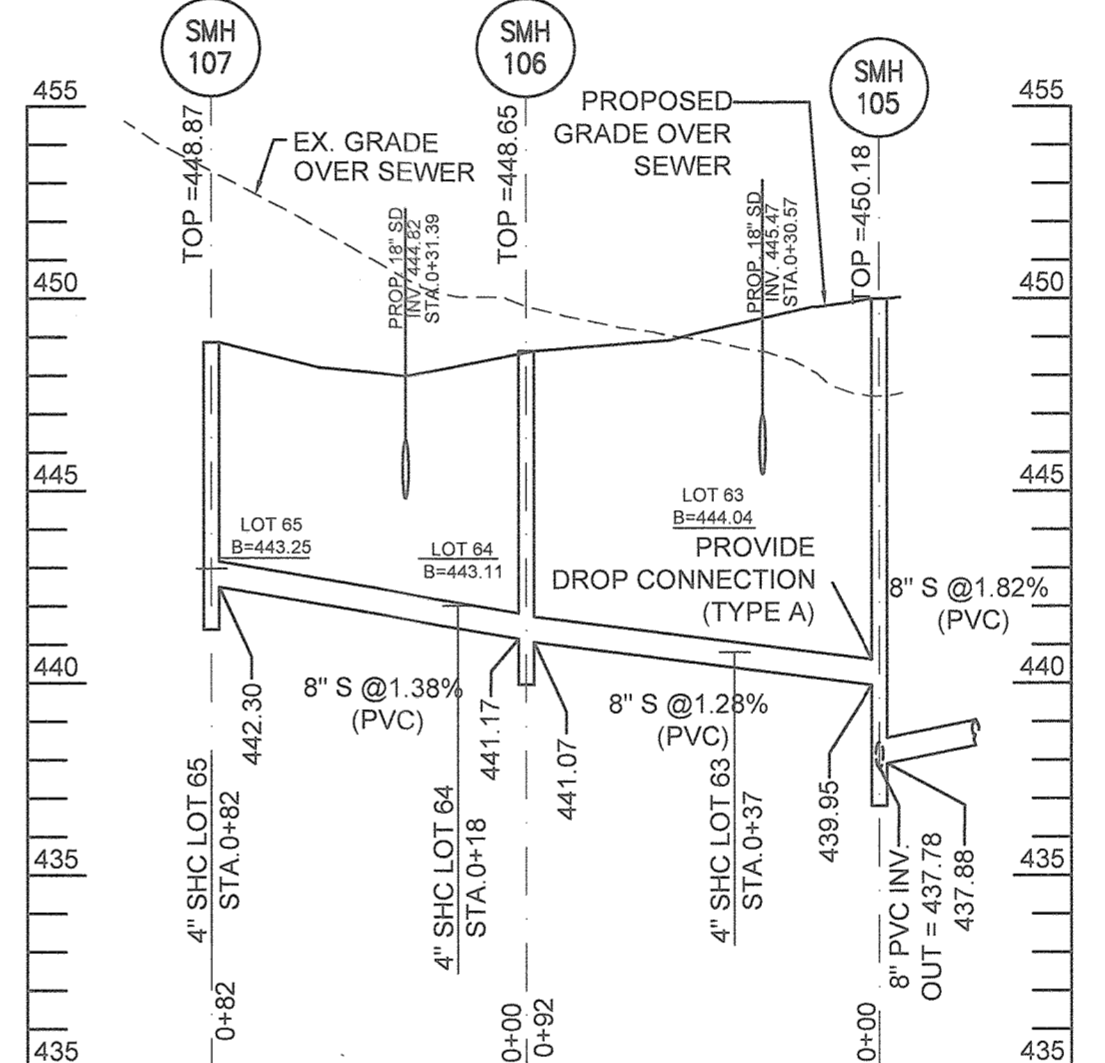
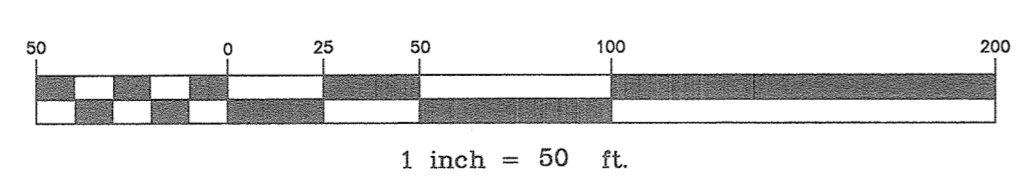


SEWER MAIN PROFILE (SMH 101 TO SMH 114 & SMH 117 TO SMH 123)
SCALE 1"=50' H, 1"=5' V

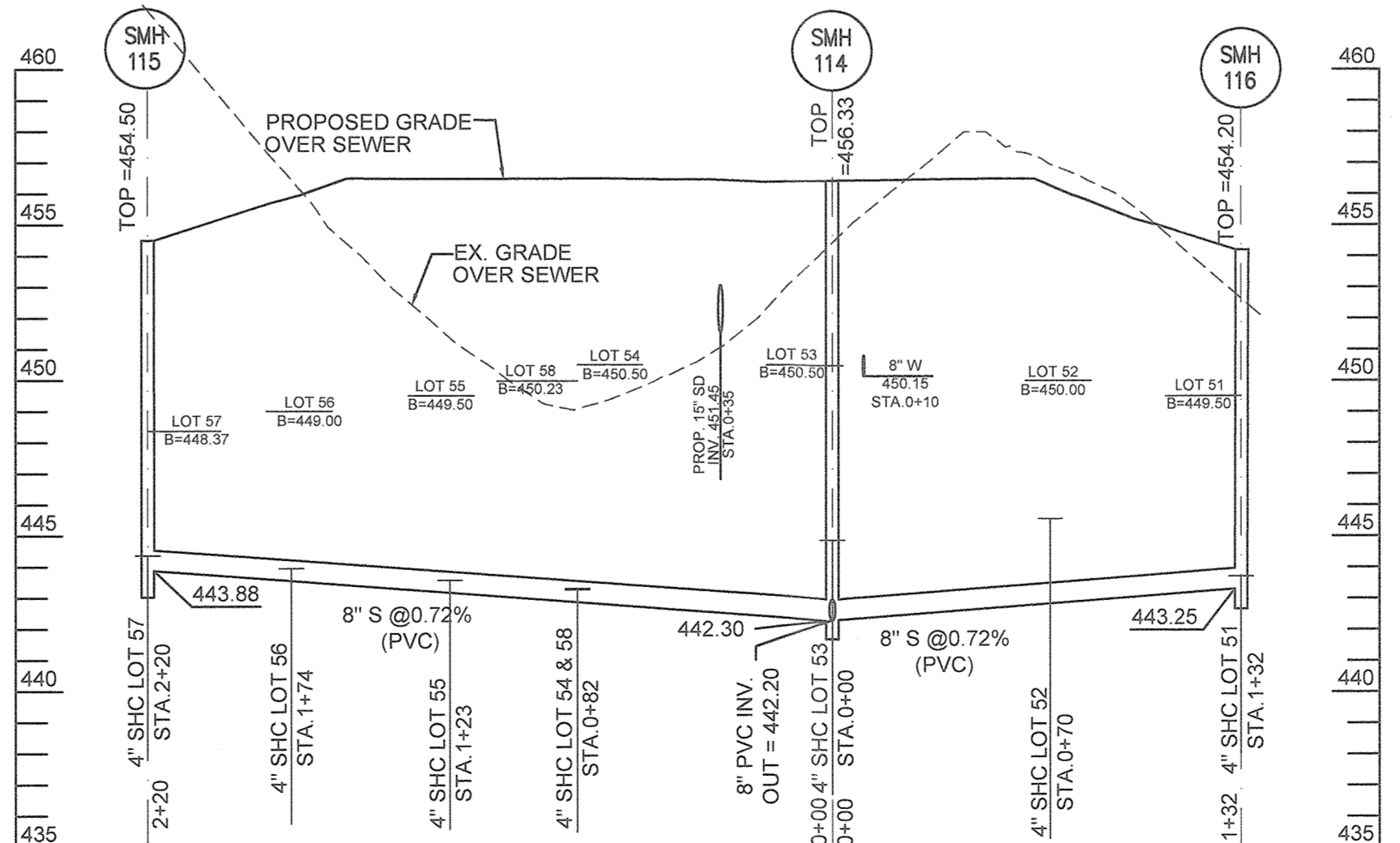
Lot #	Cellar Elevation	Minimum Cellar Elevation	Invert @ Main	Invert @ R/W or Esmt Line	Drop Connection ?	DHC Standpipe Height
18	452.00	451.43	446.73	447.09	-	-
19	452.00	451.22	446.40	446.76	-	-
20	452.00	450.83	446.19	446.55	-	-
21	452.50	450.78	445.96	446.32	-	-
22	452.13	450.36	445.36	448.00	yes	2.00
23	452.13	450.25	445.15	445.79	-	-
24	451.13	449.84	444.92	447.56	yes	2.00
25	451.50	449.80	444.70	445.34	-	-
26	450.00	449.12	443.98	444.58	-	-
27	449.50	448.72	443.62	444.24	-	-
28	449.00	448.43	443.05	443.63	-	-
29	448.50	447.76	442.04	442.66	-	-
30	448.50	447.17	441.29	441.93	-	-
31	446.50	446.41	439.41	441.75	yes	2.00
32	445.50	443.72	438.54	438.94	-	-
33	442.50	441.06	436.52	436.76	-	-
34	441.50	440.71	436.21	436.47	-	-
35	441.50	440.49	435.95	436.19	-	-
36	440.50	440.18	435.66	435.90	-	-
37	440.20	439.92	435.40	435.70	-	-
38	440.50	440.26	435.50	435.84	-	-
39	440.50	440.29	435.65	435.99	-	-
40	441.00	440.44	435.80	436.14	-	-
41	441.50	440.59	435.97	436.31	-	-
42	441.50	441.06	436.20	436.62	-	-
43	445.00	443.61	438.47	439.07	-	-
44	446.00	444.46	439.34	441.92	yes	2.00
45	447.00	445.14	440.02	442.62	yes	2.00
46	448.00	445.92	440.82	441.40	-	-
47	449.00	446.28	441.18	444.74	yes	3.00
48	449.50	446.61	441.47	445.09	yes	3.00
49	449.50	446.93	441.67	445.33	yes	3.00
50	450.00	446.78	441.32	443.84	yes	2.00
51	449.50	449.39	444.60	445.00	-	-
52	450.00	447.95	443.16	445.56	yes	2.00
53	450.50	447.39	442.47	444.87	yes	2.00
54	450.50	447.88	443.09	443.49	-	-
55	449.50	448.15	443.36	443.76	-	-
56	449.00	448.52	443.73	444.13	-	-
57	448.37	448.93	444.05	444.53	-	-
58	450.23	448.31	443.09	443.53	-	-
59	450.50	447.58	441.52	444.18	yes	2.00

Lot #	Cellar Elevation	Minimum Cellar Elevation	Invert @ Main	Invert @ R/W or Esmt Line	Drop Connection ?	DHC Standpipe Height
60	450.50	446.20	441.22	445.62	yes	4.00
61	447.28	445.07	440.07	442.47	yes	2.00
62	445.60	443.63	438.63	442.03	yes	3.00
63*	444.04	445.50	440.56	440.96	-	-
64*	443.11	446.57	441.61	442.03	-	-
65*	443.25	447.50	442.60	442.98	-	-
66*	444.52	447.04	441.90	442.50	-	-
67	446.48	446.48	441.58	441.94	-	-
68	448.00	447.36	442.42	444.84	yes	2.00
69	450.00	449.96	445.00	445.42	-	-
70	451.10	449.69	444.81	445.17	-	-
71	452.50	450.08	445.20	445.56	-	-
72	452.50	450.50	445.62	445.98	-	-

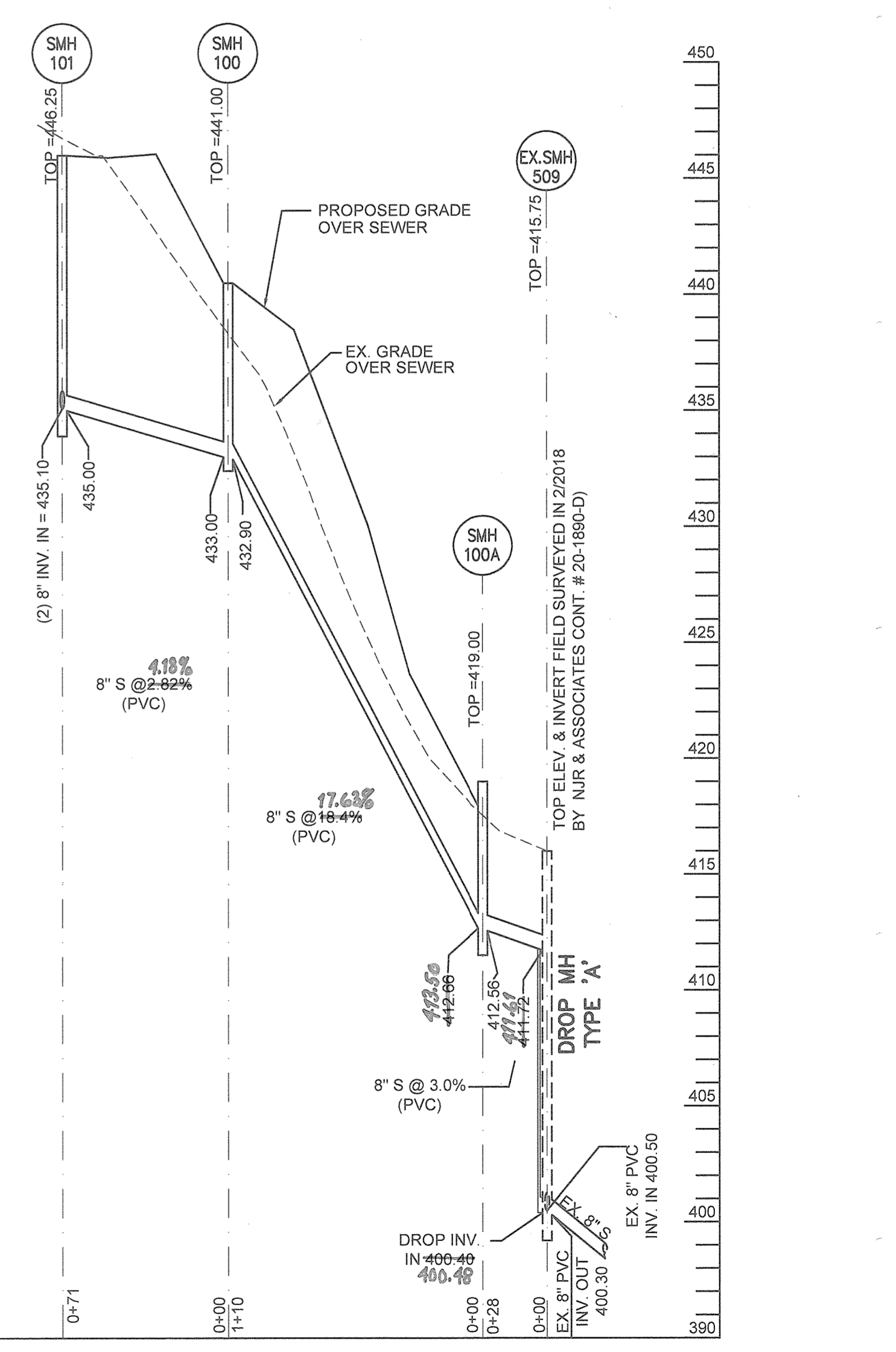
NOTE: ALL DROP CONNECTIONS ARE HOWARD COUNTY STD. DETAIL S-2.12 TYPE 'A'
*Design manual waiver was approved on July 9, 2019. Gravity sewer service, first floor only. Basement service to be provided by private on-site pump. Denoted by C.N.S. on Lots 63, 64, 65, & 66.



SEWER MAIN PROFILE (SMH 105 TO SMH 107)
SCALE 1"=50' H, 1"=5' V



SEWER MAIN PROFILE (SMH 114 TO SMH 116 & 115)
SCALE 1"=50' H, 1"=5' V



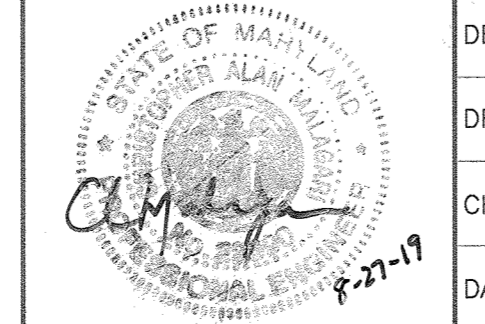
SEWER MAIN PROFILE (SMH 101 TO EX. SMH 509)
SCALE 1"=50' H, 1"=5' V

THIS MYLAR REPLACES PREVIOUS SHEET 4 SIGNED ON 11-15-2018

MANGIONE ENTERPRISES OF TURF VALLEY, LP
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.

BENCHMARK ENGINEERS & LAND SURVEYORS & PLANNERS, INC.
8480 BALTIMORE NATIONAL PIKE A SUITE 418 A ELLETTT CITY, MARYLAND 21043
(P) 410-465-8105 (F) 410-465-6844
WWW.BE-CIVILENGINEERING.COM



DESIGN:	DBT		
DRAFT:	DBT	BEI 2	REVISE SUBDIVISION NAME
CHK:	CAM	BEI 1	REVISE SHC & WHC LOCATIONS FOR LOTS 18, 21, 23, 25, 26, 28, 29, 31-33, 35, 38, 40, AND 42 SO METERS AND C/O'S ARE NOT WITHIN DRIVEWAY PAVEMENT. RAISE SEWER FROM SMH 101 TO EX SMH 509. CORRECT ALL SMH TOP ELEVATIONS. REVISE BASEMENT ELEVATIONS.
DATE:	8/2019		1.13.2020
BY:	NO.	REVISIONS	DATE



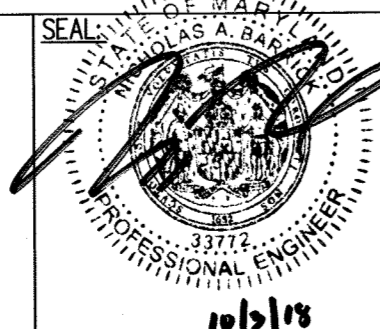

SEWER PROFILES

PARK VIEW AT TURF VALLEY, PHASE II
LOTS 18-72, OPEN SPACE LOTS 77, 78, 80, & 81, GOLF SPACE LOT 79 AND NON-BUILDABLE BULK PARCEL 'J'
TAX MAP: 17 - GRID: 13 - PARCEL: 706 - ZONED: PGCC - ELECTION DISTRICT 2
CONTRACT NO. 24-5019-D

SCALE: AS SHOWN
SHEET NO. 4 OF 5

WATER HOUSE CONNECTION AS-BUILT LOCATION TABLE			
LOT NUMBER	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
3	LOT 18	10334 PUCCINI LANE	SMH#123-25.5' from WHC Lot#18
4	LOT 19	10336 PUCCINI LANE	SMH#123-28.5' from WHC Lot#19
5	LOT 20	10338 PUCCINI LANE	SMH#123-48' from WHC Lot#20
6	LOT 21	10340 PUCCINI LANE	SMH#123-77' from WHC Lot#21
7	LOT 22	10345 PUCCINI LANE	SMH#122-159' from WHC Lot#22
8	LOT 23	10347 PUCCINI LANE	SMH#122-128' from WHC Lot#23
9	LOT 24	10349 PUCCINI LANE	SMH#122-100' from WHC Lot#24
10	LOT 25	10351 PUCCINI LANE	SMH#122-72' from WHC Lot#25
11	LOT 26	10355 PUCCINI LANE	SMH#122-32' from WHC Lot#26
12	LOT 27	10357 PUCCINI LANE	SMH#121-60' from WHC Lot#27
13	LOT 28	10359 PUCCINI LANE	SMH#121-34' from WHC Lot#28
14	LOT 29	10363 PUCCINI LANE	SMH#121-48' from WHC Lot#29
15	LOT 30	10365 ROSSINI LANE	SMH#120-36' from WHC Lot#30
16	LOT 31	10367 ROSSINI LANE	SMH#119-25.5' from WHC Lot#31
17	LOT 32	10369 ROSSINI LANE	SMH#119-21' from WHC Lot#32
18	LOT 33	10373 ROSSINI LANE	SMH#118-18.5' from WHC Lot#33
19	LOT 34	10375 ROSSINI LANE	SMH#118-43' from WHC Lot#34
20	LOT 35	10377 ROSSINI LANE	SMH#117-85' from WHC Lot#35
21	LOT 36	10379 ROSSINI LANE	SMH#117-26.5' from WHC Lot#36
22	LOT 37	10381 ROSSINI LANE	SMH#117-15' from WHC Lot#37
23	LOT 38	10385 ROSSINI LANE	SMH#102-24' from WHC Lot#38
24	LOT 39	10387 ROSSINI LANE	SMH#102-28' from WHC Lot#39
25	LOT 40	10389 ROSSINI LANE	SMH#103-48' from WHC Lot#40
26	LOT 41	10391 ROSSINI LANE	SMH#103-24' from WHC Lot#41
27	LOT 42	10393 ROSSINI LANE	SMH#104-34' from WHC Lot#42
28	LOT 43	10397 PUCCINI LANE	SMH#105-42' from WHC Lot#43
29	LOT 44	10401 PUCCINI LANE	SMH#108-35' from WHC Lot#44
30	LOT 45	10405 PUCCINI LANE	SMH#109-37' from WHC Lot#45
31	LOT 46	10409 PUCCINI LANE	SMH#109-38' from WHC Lot#46
32	LOT 47	10413 PUCCINI LANE	SMH#110-74' from WHC Lot#47
33	LOT 48	10417 PUCCINI LANE	SMH#110-33' from WHC Lot#48
34	LOT 49	10421 PUCCINI LANE	SMH#111-56' from WHC Lot#49
35	LOT 50	10425 PUCCINI LANE	SMH#111-37' from WHC Lot#50
36	LOT 51	10429 PUCCINI LANE	SMH#116-31' from WHC Lot#51
37	LOT 52	10433 PUCCINI LANE	SMH#116-72' from WHC Lot#52
38	LOT 53	10437 PUCCINI LANE	SMH#114-21' from WHC Lot#53
39	LOT 54	10436 PUCCINI LANE	SMH#114-79' from WHC Lot#54
40	LOT 55	10432 PUCCINI LANE	SMH#115-108' from WHC Lot#55
41	LOT 56	10428 PUCCINI LANE	SMH#115-60' from WHC Lot#56
42	LOT 57	10424 PUCCINI LANE	SMH#115-22' from WHC Lot#57
43	LOT 58	10420 PUCCINI LANE	SMH#114-106' from WHC Lot#58
44	LOT 59	10414 PUCCINI LANE	SMH#110-78' from WHC Lot#59
45	LOT 60	10408 PUCCINI LANE	SMH#110-35' from WHC Lot#60
46	LOT 61	10402 PUCCINI LANE	SMH#108-30' from WHC Lot#61
47	LOT 62	10396 PUCCINI LANE	SMH#105-48' from WHC Lot#62
48	LOT 63	10390 PUCCINI LANE	SMH#105-80' from WHC Lot#63
49	LOT 64	10384 PUCCINI LANE	SMH#106-31' from WHC Lot#64
50	LOT 65	10378 PUCCINI LANE	SMH#107-24' from WHC Lot#65
51	LOT 66	10372 PUCCINI LANE	SMH#120-24' from WHC Lot#66
52	LOT 67	10366 PUCCINI LANE	SMH#120-36' from WHC Lot#67
53	LOT 68	10360 PUCCINI LANE	SMH#121-37' from WHC Lot#68
54	LOT 69	10356 PUCCINI LANE	SMH#122-25' from WHC Lot#69
55	LOT 70	10352 PUCCINI LANE	SMH#122-26' from WHC Lot#70
56	LOT 71	10348 PUCCINI LANE	SMH#122-146' from WHC Lot#71
57	LOT 72	10344 PUCCINI LANE	SMH#123-124' from WHC Lot#72

SEWER HOUSE CONNECTION AS-BUILT LOCATION TABLE			
LOT NUMBER	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
3	LOT 18	10334 PUCCINI LANE	SMH#123-26' from SHC Lot#18
4	LOT 19	10336 PUCCINI LANE	SMH#123-29.5' from SHC Lot#19
5	LOT 20	10338 PUCCINI LANE	SMH#123-56.5' from SHC Lot#20
6	LOT 21	10340 PUCCINI LANE	SMH#123-84' from SHC Lot#21
7	LOT 22	10345 PUCCINI LANE	SMH#122-153' from SHC Lot#22
8	LOT 23	10347 PUCCINI LANE	SMH#122-122.5' from SHC Lot#23
9	LOT 24	10349 PUCCINI LANE	SMH#122-95' from SHC Lot#24
10	LOT 25	10351 PUCCINI LANE	SMH#122-67' from SHC Lot#25
11	LOT 26	10355 PUCCINI LANE	SMH#122-27' from SHC Lot#26
12	LOT 27	10357 PUCCINI LANE	SMH#121-64' from SHC Lot#27
13	LOT 28	10359 PUCCINI LANE	SMH#121-44' from SHC Lot#28
14	LOT 29	10363 PUCCINI LANE	SMH#121-46' from SHC Lot#29
15	LOT 30	10365 ROSSINI LANE	SMH#120-34' from SHC Lot#30
16	LOT 31	10367 ROSSINI LANE	SMH#119-22' from SHC Lot#31
17	LOT 32	10369 ROSSINI LANE	SMH#119-24' from SHC Lot#32
18	LOT 33	10373 ROSSINI LANE	SMH#118-17' from SHC Lot#33
19	LOT 34	10375 ROSSINI LANE	SMH#118-49' from SHC Lot#34
20	LOT 35	10377 ROSSINI LANE	SMH#117-50' from SHC Lot#35
21	LOT 36	10379 ROSSINI LANE	SMH#117-22' from SHC Lot#36
22	LOT 37	10381 ROSSINI LANE	SMH#117-19' from SHC Lot#37
23	LOT 38	10385 ROSSINI LANE	SMH#102-22' from SHC Lot#38
24	LOT 39	10387 ROSSINI LANE	SMH#102-23' from SHC Lot#39
25	LOT 40	10389 ROSSINI LANE	SMH#103-56' from SHC Lot#40
26	LOT 41	10391 ROSSINI LANE	SMH#103-27' from SHC Lot#41
27	LOT 42	10393 ROSSINI LANE	SMH#104-39' from SHC Lot#42
28	LOT 43	10397 PUCCINI LANE	SMH#105-38' from SHC Lot#43
29	LOT 44	10401 PUCCINI LANE	SMH#108-38' from SHC Lot#44
30	LOT 45	10405 PUCCINI LANE	SMH#109-44' from SHC Lot#45
31	LOT 46	10409 PUCCINI LANE	SMH#109-34' from SHC Lot#46
32	LOT 47	10413 PUCCINI LANE	SMH#110-67' from SHC Lot#47
33	LOT 48	10417 PUCCINI LANE	SMH#110-35' from SHC Lot#48
34	LOT 49	10421 PUCCINI LANE	SMH#111-60' from SHC Lot#49
35	LOT 50	10425 PUCCINI LANE	SMH#111-34' from SHC Lot#50
36	LOT 51	10429 PUCCINI LANE	SMH#116-30' from SHC Lot#51
37	LOT 52	10433 PUCCINI LANE	SMH#116-64' from SHC Lot#52
38	LOT 53	10437 PUCCINI LANE	SMH#114-23' from SHC Lot#53
39	LOT 54	10436 PUCCINI LANE	SMH#114-86' from SHC Lot#54
40	LOT 55	10432 PUCCINI LANE	SMH#115-102' from SHC Lot#55
41	LOT 56	10428 PUCCINI LANE	SMH#116-52' from SHC Lot#56
42	LOT 57	10424 PUCCINI LANE	SMH#115-26' from SHC Lot#57
43	LOT 58	10420 PUCCINI LANE	SMH#114-102' from SHC Lot#58
44	LOT 59	10414 PUCCINI LANE	SMH#110-85' from SHC Lot#59
45	LOT 60	10408 PUCCINI LANE	SMH#110-28' from SHC Lot#60
46	LOT 61	10402 PUCCINI LANE	SMH#108-39' from SHC Lot#61
47	LOT 62	10396 PUCCINI LANE	SMH#105-39' from SHC Lot#62
48	LOT 63	10390 PUCCINI LANE	SMH#105-41' from SHC Lot#63
49	LOT 64	10384 PUCCINI LANE	SMH#106-30' from SHC Lot#64
50	LOT 65	10378 PUCCINI LANE	SMH#107-22' from SHC Lot#65
51	LOT 66	10372 PUCCINI LANE	SMH#120-30' from SHC Lot#66
52	LOT 67	10366 PUCCINI LANE	SMH#120-30' from SHC Lot#67
53	LOT 68	10360 PUCCINI LANE	SMH#121-25' from SHC Lot#68
54	LOT 69	10356 PUCCINI LANE	SMH#122-22' from SHC Lot#69
55	LOT 70	10352 PUCCINI LANE	SMH#122-80' from SHC Lot#70
56	LOT 71	10348 PUCCINI LANE	SMH#122-134' from SHC Lot#71
57	LOT 72	10344 PUCCINI LANE	SMH#123-130' from SHC Lot#72

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND  10-25-18 CHIEF, BUREAU OF UTILITIES DATE	DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND  11-15-18 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE		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. 33772. EXPIRATION DATE: 6/16/2019	 ENGINEERS PLANNERS SCIENTISTS CONSTRUCTION MANAGERS 936 ROCKBROOK ROAD SHARPS, MD 21152 PHONE: (410) 316-7800 FAX: (410) 316-7817 www.kci.com	DESIGN: SK/MG DRAWN: SK/MG CHECKED: NB DATE: 10-05-2018 BY: BE I NO. 1 REVISION SUBVISION NAME DATE: 1.15.2020	TABLES 600' SCALE MAP NO.: 15 BLOCK: 16 ELECTION DISTRICT NO. 2 HOWARD COUNTY, MARYLAND	PARK VIEW AT TURF VALLEY, PHASE II CONTRACT # 24-5019-D LOTS 18-72, OPEN SPACE LOTS 77, 78, 80 & 81, GOLF SPACE LOT 79 AND NON-BUILDABLE BULK PARCEL J POD 'E-1' SECTION IV-RESIDENTIAL PHASE IV E A SUBDIVISION OF BULK PARCEL 'I', TURF VALLEY POD E-1, PHASE I TAX MAP 17 GRID 13, ZONED: PGCC	SCALE AS SHOWN SHEET 5 OF 5
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