

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 OCTOBER, 2019 BY BENCHMARK ENGINEERING, 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. 48FB AND NO. 47AA.
ALL VERTICAL CONTROLS ARE BASED ON NAVD '88. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS ARE 38D5 AND 38D6.
4. 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 TO 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
BOE (CONTRACTOR SERVICES).....410-637-8713
BOE (EMERGENCY).....410-685-0123
BUREAU OF UTILITIES.....410-313-4900
COLONIAL PIPELINE CO.....410-795-1390
M&E UTILITY.....1-800-257-7171
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(g) OF THE HOWARD COUNTY CODE.

PART II WATER

- ALL WATER MAINS TO BE PVC C900 DR18 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 PVC C900 WATER MAINS IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL.
- FOR PVC C900 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 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 TEST 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 LAT LENGTH OF 9-INCHES AND SHALL HAVE CENTER STOPS. PVC HIGH DEFLECTION COUPLINGS SHALL BE CERTAINTED 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 (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 C900 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 EDIA 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 PVC ONLY.
- MANHOLES SHOWN WITH 12" AND 18" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVER, STANDARD DETAIL, CS-52, WHERE WATERTIGHT 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.

Howard Soil Conservation District
HOWARD SOIL CONSERVATION DISTRICT
01/26/22
DATE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE HOWARD COUNTY STANDARD SPECIFICATIONS AND AS PER F-22-001.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
1-15-22
DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
2-10-22
DATE

ITEMS	QUANTITIES ESTIMATED	ASBUILT		
		QUANTITIES	TYPE	MANU/SUPPLIER
8" WATER (PVC900 DR18)	3812 LF	3785	PLASTIC	WESTLAKE PIPE
4" WATER (PVC900 DR18)	275 LF	280	PLASTIC	WESTLAKE PIPE
6" FIRE HYDRANT, TEE & VALVE	10	10	D.I.P.	MUELLER
1.5" WHC	465 LF	494	COPPER	MUELLER
1.5" TWHC	799 LF	717	COPPER	MUELLER
8" VALVE	3	3	D.I.P.	MUELLER
1" METER VAULT (T/L/J)	34 (44)	44	CONCRETE	HORNE CO.
8"x8" WATER CROSS	1	1	D.I.P.	TYLER/LINION
8"x8" WATER TEE	3	3	D.I.P.	TYLER/LINION
8" CAP AND BUTTRISS	10	10	D.I.P./CONC.	TYLER/LINION
4" CAP AND BUTTRISS	1	1	D.I.P./CONC.	TYLER/LINION
8" SDR-35 SEWER	3820 LF	4111	PLASTIC	WESTLAKE PIPE
MANHOLES	28	28	CONCRETE	PRE CASE CORR.
4" SHC	2384 LF	2050	PLASTIC	WEST LAKE PIPE
CLEANOUTS	122	122	CONCRETE	HORNE CO.
8" SDR SEWER	716 LF	716	PLASTIC	WEST LAKE PIPE

NAME OF UTILITY CONTRACTOR: **M11 / SUBCONTRACTOR CCS**
SURVEY AND DRAFTING DIVISION AS-BUILT DATE: **7/17/23**

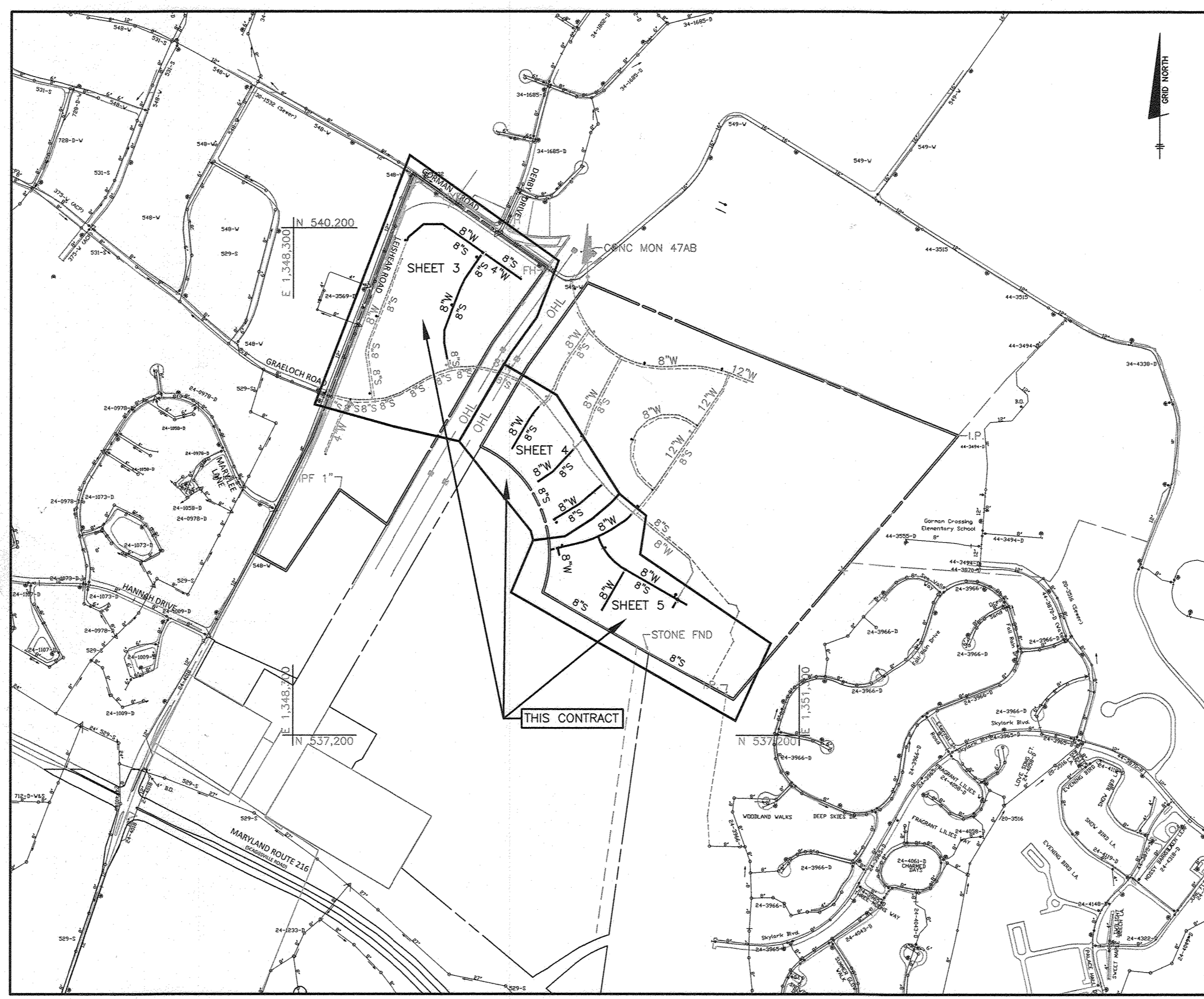
NOTE:
ALL WATER HOUSE CONNECTIONS ARE TO BE 1.5" WITH A 1" METER (OUTSIDE SETTING).
ALL SEWER HOUSE CONNECTIONS SHALL BE 4" PVC.

WELLINGTON FARMS

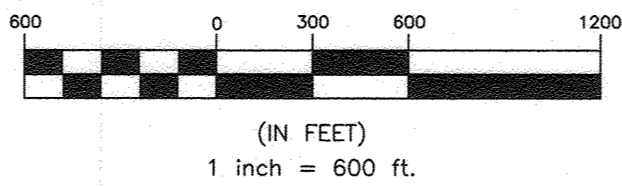
PHASE 1 SECTION 3

PUBLIC WATER AND PUBLIC SEWER PLANS

CONTRACT NO. 24-5138-D

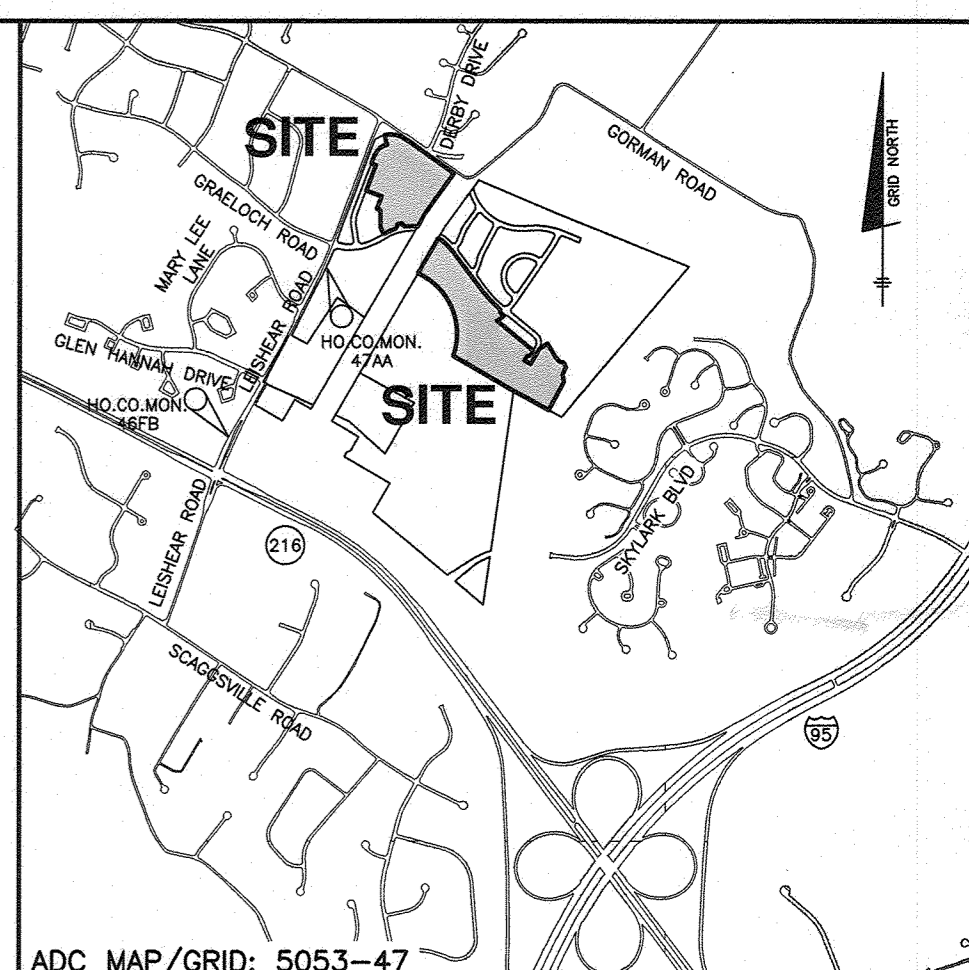


LOCATION MAP
SCALE: 1" = 600'



TYPE OF BUILDING:	RESIDENTIAL - SFD
NUMBER OF UNITS:	126
NUMBER OF SHC'S:	122
NUMBER OF TWHC'S:	44
NUMBER OF WHC'S:	34
DRAINAGE AREA:	HAMMOND BRANCH
TREATMENT PLANT:	LITTLE PATUXENT WRP
WATER ZONE:	550 SOUTH
TEST, GRADIENT:	827
TEST PRESSURE:	198

*SHC'S AND WHC'S FOR LOTS 144-147 PROVIDED UNDER CONTRACT #24-5137-D



VICINITY MAP
SCALE: 1" = 2000'

LEGEND

	EXIST. OVERHEAD ELECTRIC TRANSMISSION LINES
	EXIST. OFFSITE WATER MAIN
	EXIST. OFFSITE WATER MAIN
	EXIST. ONSITE WATER MAIN
	EXIST. ONSITE SEWER MAIN
	EXIST. ONSITE SEWER MANHOLE
	PROP. STORM DRAIN
	PROP. SEWER MAIN
	PROP. SEWER MANHOLE
	PROP. TERMINAL MANHOLE
	PROP. WATER MAIN
	PROP. FIRE HYDRANT
	PROP. VALVE
	PROP. CAP & BUTTRISS
	PROP. WATER HOUSE CONNECTION

SHEET INDEX

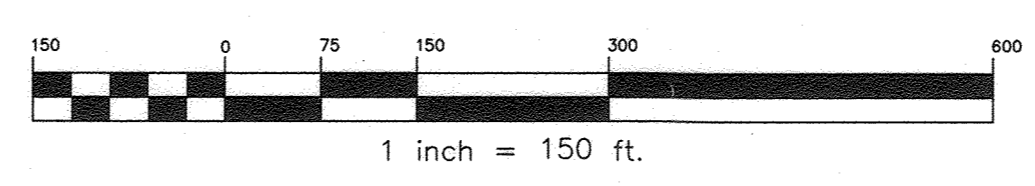
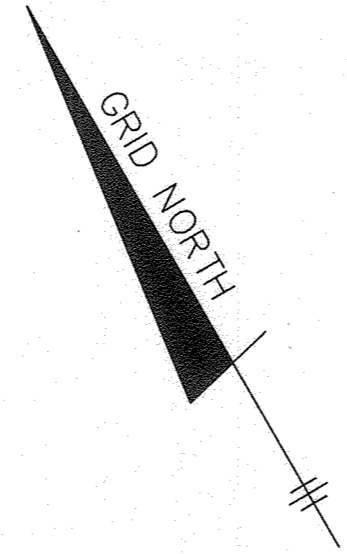
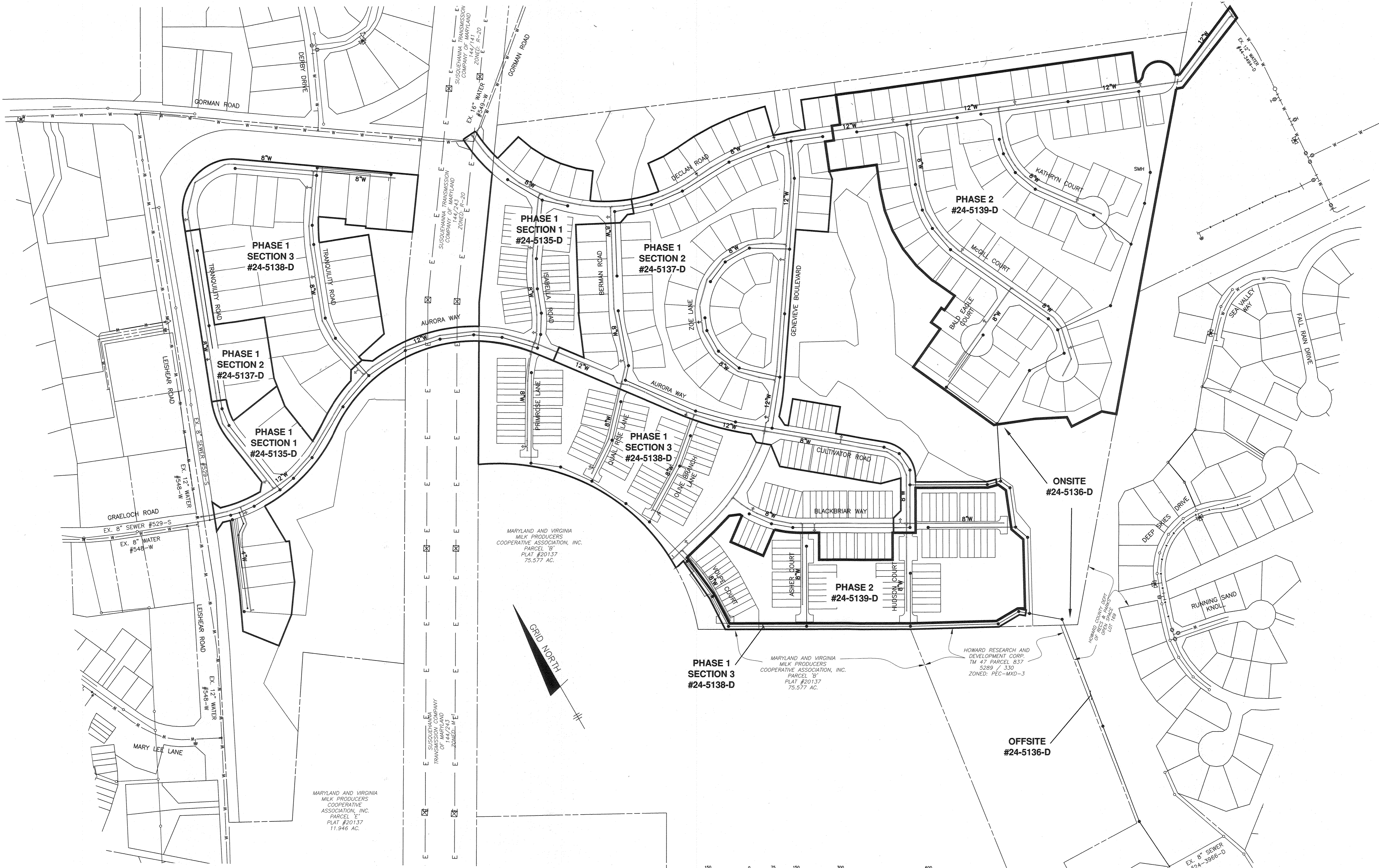
NO.	DESCRIPTION
1	TITLE SHEET
2	PHASING KEY SHEET
3	PUBLIC WATER AND SEWER PLAN
4	PUBLIC WATER AND SEWER PLAN
5	PUBLIC WATER AND SEWER PLAN
6	PUBLIC WATER AND SEWER PROFILE
7	PUBLIC WATER AND SEWER PROFILE
8	PUBLIC WATER AND SEWER PROFILE
9	PUBLIC WATER AND SEWER PROFILE
10	PUBLIC WATER AND SEWER PROFILE

OWNER: ESC WELLINGTON, L.C.
5074 DORSEY HALL DRIVE, SUITE 205
ELICOTT CITY, MARYLAND 21042
410-720-3021

DEVELOPER: ESC WELLINGTON, L.C.
5074 DORSEY HALL DRIVE, SUITE 205
ELICOTT CITY, MARYLAND 21042
410-720-3021

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: 6-30-2023.

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND	BENCHMARK ENGINEERING, INC. 8480 BALTIMORE NATIONAL PIKE A SUITE 315 • ELICOTT CITY, MARYLAND 21043 (P) 410-465-6105 (F) 410-465-8644 WWW.BE-CMENGINEERING.COM	DESIGN: LDD DRAFT: LDD CHK: DBT DATE: 12.27.2021	DATE: 7/17/23	PUBLIC WATER AND SEWER TITLE SHEET	WELLINGTON FARMS PHASE 1 SECTION 3 Lots 144 thru 269; Open Space Lots 270 thru 275; Non-Buildable Bulk Parcels 'I' TAX MAP: 46 - GRID: 6 - PARCEL: 163 ZONED: R-20-MXD-3 / R-SC-MXD-3 ELECTION DISTRICT NO. 6 - HOWARD COUNTY, MARYLAND CONTRACT NO. 24-5138-D	SCALE: AS SHOWN SHEET NO. 1 OF 10
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OWNER: ESC WELLINGTON, L.C.
5074 DORSEY HALL DRIVE, SUITE 205
ELICOTT CITY, MARYLAND 21042
410-720-3021

DEVELOPER: ESC WELLINGTON, L.C.
5074 DORSEY HALL DRIVE, SUITE 205
ELICOTT CITY, MARYLAND 21042
410-720-3021

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: 6-30-2023.

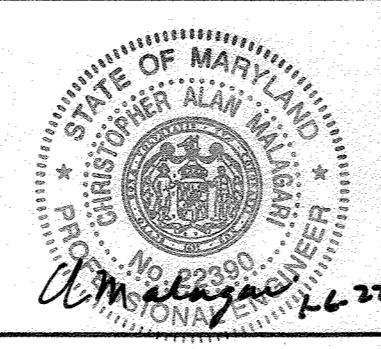
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 1-19-22
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

[Signature] 2-10-22
CHIEF, DEVELOPMENT ENGINEERING DIVISION

BENCHMARK
ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE & SUITE 315 • ELICOTT CITY, MARYLAND 21043
(P) 410-465-6105 (F) 410-465-6644
WWW.BE-CVLENGINEERING.COM



DESIGN: DBT/LDD	BY	NO.	REVISIONS	DATE
DRAFT: DBT/LDD				
CHK: DBT				
DATE: 12.27.2021				

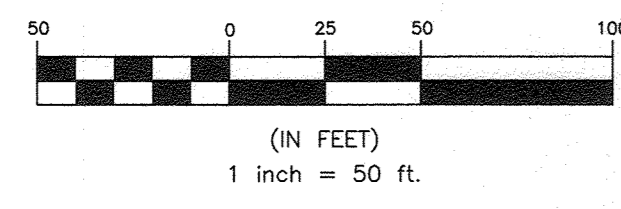
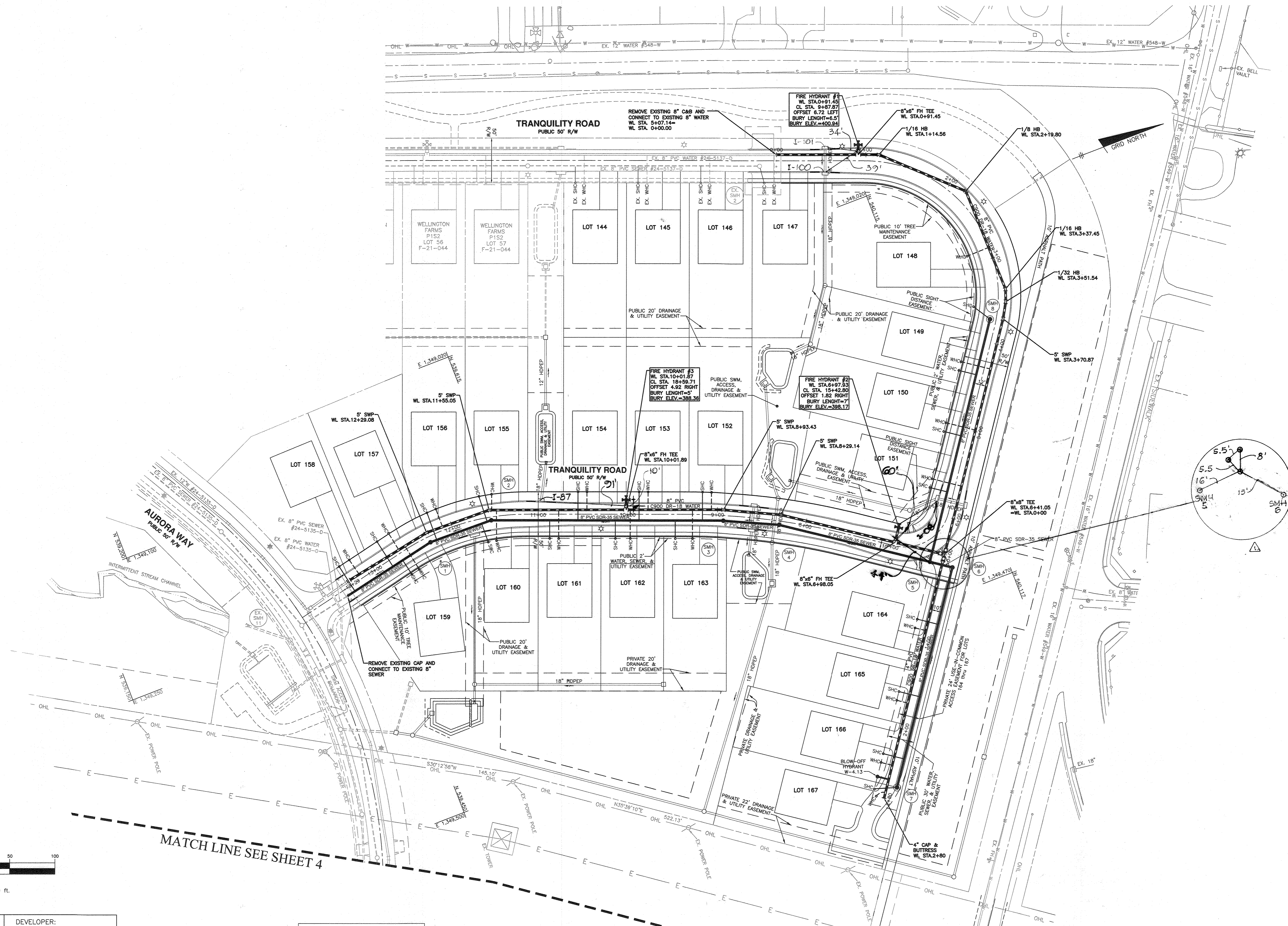
PHASING KEY SHEET

600 SCALE MAP: _____ BLOCK: _____

WELLINGTON FARMS
PHASE 1 SECTION 3
Lots 144 thru 269; Open Space Lots 270 thru 275; Non-Buildable Bulk Parcels 'F'
TAX MAP: 46 - GRID: 8 - PARCEL: 163
ZONED: R-20-MXD-3 / R-SC-MXD-3
ELECTION DISTRICT NO. 6 - HOWARD COUNTY, MARYLAND
CONTRACT NO. 24-5138-D

SCALE:
AS SHOWN

SHEET NO.
2 OF 10



MATCH LINE SEE SHEET 4

OWNER: ESC WELLINGTON, L.C.
5074 DORSEY HALL DRIVE, SUITE 205
ELLCOTT CITY, MARYLAND 21042
410-720-3021

DEVELOPER: ESC WELLINGTON, L.C.
5074 DORSEY HALL DRIVE, SUITE 205
ELLCOTT CITY, MARYLAND 21042
410-720-3021

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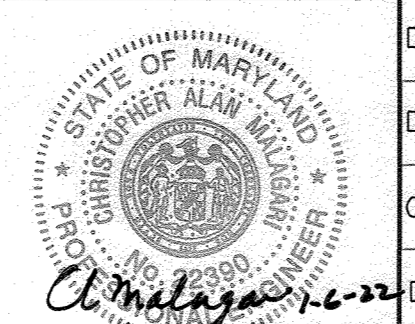
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature]
1-19-22
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

[Signature]
2-10-22
CHIEF, DEVELOPMENT ENGINEERING DIVISION

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ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE & SUITE 315 • ELLICOTT CITY, MARYLAND 21043
(P) 410-485-6105 (F) 410-485-8844
WWW.BD-CIVILENGINEERING.COM



DESIGN: LDD					
DRAFT: LDD					
CHK: DBT					
DATE: 12.27.2021					
WJRA	1	AS BUILT		7/17/23	
BY	NO.	REVISIONS		DATE	

PUBLIC WATER AND SEWER PLAN

600 SCALE MAP #xx

WELLINGTON FARMS
PHASE 1 SECTION 3
Lots 144 thru 269; Open Space Lots 270 thru 275; Non-Buildable Bulk Parcels "I"
TAX MAP: 46 - GRID: 6 - PARCEL: 163
ZONED: R-20-MXD-3 / R-SC-MXD-3
ELECTION DISTRICT NO. 6 - HOWARD COUNTY, MARYLAND

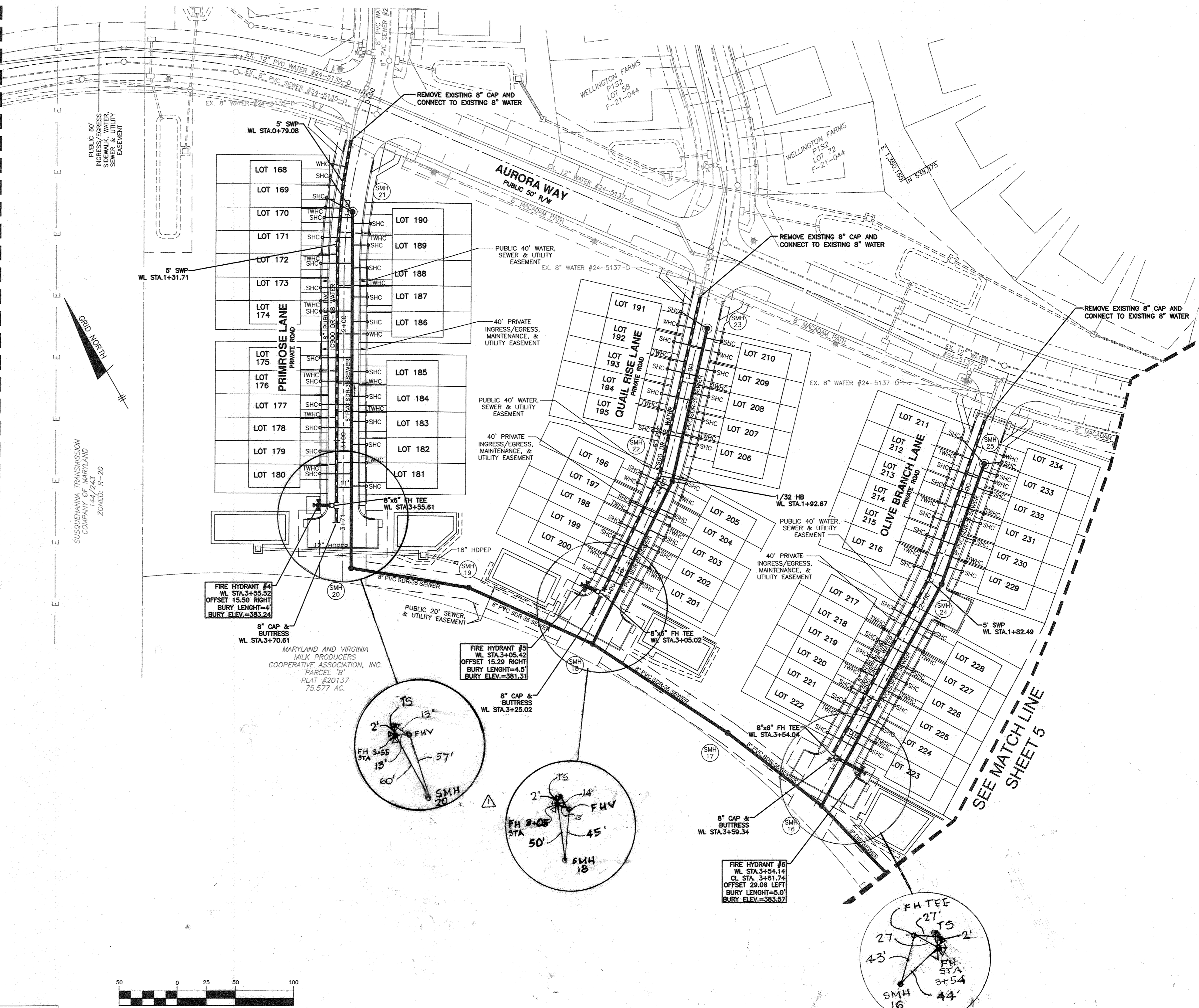
CONTRACT NO. 24-5138-D

SCALE:
AS SHOWN

SHEET NO.
3 OF 10

STRUCTURE TABLE							
NUMBER	TYPE	LOCATION	INVERT IN	INVERT OUT	TOP ELEV.	STD. DETAIL	REMARKS
EX SMH 4	48" MH	N 537528.7486 E 1350785.6627	326.48(8')	321.04(8')	333.17	HO. CO. STD. G-5-12	
1	48" MH	CL STA. 20+84.85 Tranquility Road, OFFSET 6.54 LEFT	369.58(8')	369.48(8')	381.07	HO. CO. STD. G-5-12	
2	48" MH	CL STA. 20+11.13 Tranquility Road, OFFSET 3.65 LEFT	371.52(8')	371.42(8')	383.44	HO. CO. STD. G-5-12	
3	48" MH	CL STA. 17+51.11 Tranquility Road, OFFSET 5.88 LEFT	377.97(8')	377.87(8')	391.50	HO. CO. STD. G-5-12	
4	48" MH	CL STA. 16+89.34 Tranquility Road, OFFSET 4.25 LEFT	379.70(8')	379.60(8')	393.51	HO. CO. STD. G-5-12	
5	48" MH	CL STA. 15+25.43 Tranquility Road, OFFSET 22.19 LEFT	384.88(8') 382.05(8')	381.95(8')	399.60	HO. CO. STD. G-5-12	
6	48" MH	N 540056.5512 E 1349440.6228	382.28(8')	382.18(8')	398.61	HO. CO. STD. G-5-12	
7	48" MH	N 539911.1527 E 1349647.2762		384.17(8')	394.89	HO. CO. STD. G-5-12	
8	48" MH	CL STA. 12+58.09 Tranquility Road, OFFSET 6.78 RIGHT		394.48(8')	404.30	HO. CO. STD. G-5-12	
9	48" MH	N 537552.8773 E 1350757.1367	329.17(8')	329.07(8')	335.60	HO. CO. STD. G-5-12	
10	48" MH	N 537551.3857 E 1350675.7010	342.35(8')	337.00(8')	348.60	HO. CO. STD. G-5-12	
11	48" MH	N 537694.3049 E 1350412.1677	358.63(8')	358.53(8')	372.00	HO. CO. STD. G-5-12	
12	48" MH	N 537870.1478 E 1350105.7544	362.26(8')	362.16(8')	371.00	HO. CO. STD. G-5-12	
13	48" MH	N 538002.4671 E 1349875.1840	365.02(8')	364.92(8')	382.00	HO. CO. STD. G-5-12	
14	48" MH	N 538117.9450 E 1349879.0947	366.28(8')	366.18(8')	385.07	HO. CO. STD. G-5-12	
15	48" MH	CL STA. 15+18.57 Genevieve Boulevard, OFFSET 34.79 LEFT	367.86(8')	367.76(8')	387.21	HO. CO. STD. G-5-12	
16	48" MH	CL STA. 4+04.14 Olive Branch Lane, OFFSET 5.72 LEFT	369.82(8') 373.00(8')	369.72(8')	382.00	HO. CO. STD. G-5-12	
17	48" MH	N 538539.9119 E 1349780.9276	370.43(8')	370.33(8')	379.00	HO. CO. STD. G-5-12	
18	48" MH	CL STA. 3+53.18 Quail Rise Lane, OFFSET 7.61 LEFT	372.49(8') 371.23(8')	371.13(8')	379.00	HO. CO. STD. G-5-12	
19	48" MH	N 538759.1350 E 1349650.5829	372.50(8')	372.40(8')	377.00	HO. CO. STD. G-5-12	
20	48" MH	CL STA. 3+99.47 Primrose Lane, OFFSET 7.14 LEFT	373.65(8')	373.55(8')	382.30	HO. CO. STD. G-5-12	
21	48" MH	CL STA. 0+93.55 Primrose Lane, OFFSET 3.65 LEFT		382.44(8')	392.46	HO. CO. STD. G-5-12	
22	48" MH	CL STA. 1+99.16 Quail Rise Lane, OFFSET 7.95 LEFT	376.98(8')	376.88(8')	385.51	HO. CO. STD. G-5-12	
23	48" MH	CL STA. 0+65.56 Quail Rise Lane, OFFSET 5.51 LEFT		381.29(8')	391.47	HO. CO. STD. G-5-12	
24	48" MH	CL STA. 1+88.91 Olive Branch Lane, OFFSET 7.94 LEFT	378.68(8')	378.58(8')	387.78	HO. CO. STD. G-5-12	
25	48" MH	CL STA. 0+80.07 Olive Branch Lane, OFFSET 6.00 LEFT		380.87(8')	386.94	HO. CO. STD. G-5-12	
26	48" MH	CL STA. 2+19.52 Blackbriar Way, OFFSET 6.66 RIGHT	379.92(8')	379.82(8')	391.39	HO. CO. STD. G-5-12	
27	48" MH	CL STA. 1+54.35 Blackbriar Way, OFFSET 5.50 RIGHT	381.34(8')	381.24(8')	391.63	HO. CO. STD. G-5-12	
28	48" MH	CL STA. 0+73.26 Blackbriar Way, OFFSET 4.89 RIGHT		382.68(8')	391.06	HO. CO. STD. G-5-12	
EX SMH 33	48" MH	CL STA. 6+24.80 Blackbriar Way, OFFSET 7.00 RIGHT	369.00(8')	364.32(8')	380.23	HO. CO. STD. G-5-12	

SEE MATCH LINE
SHEET 3



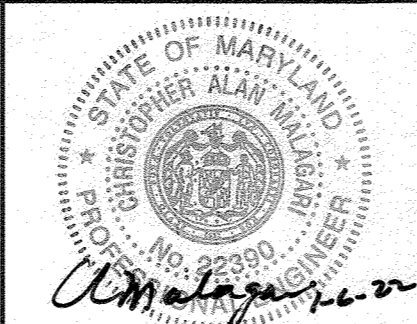
SEE MATCH LINE
SHEET 5

OWNER: ESC WELLINGTON, L.C.
5074 DORSEY HALL DRIVE, SUITE 205
ELLICOTT CITY, MARYLAND 21042
410-720-3021

DEVELOPER: ESC WELLINGTON, L.C.
5074 DORSEY HALL DRIVE, SUITE 205
ELLICOTT CITY, MARYLAND 21042
410-720-3021

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: 6-30-2023.

BENCHMARK
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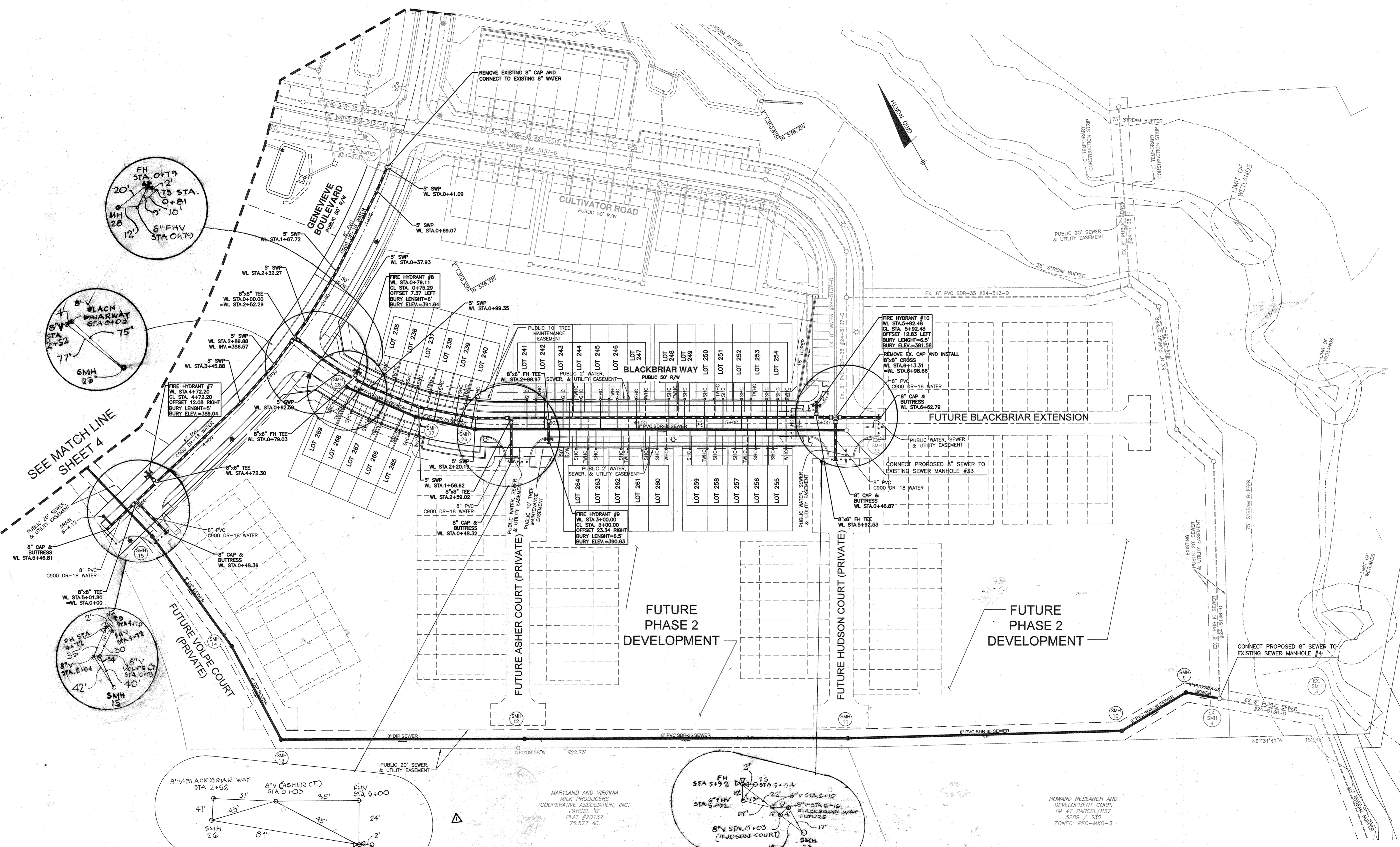


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CHK: DBT			
DATE: 12.27.2021	WRA	AS BUILT	7/7/23
BY NO.		REVISIONS	DATE

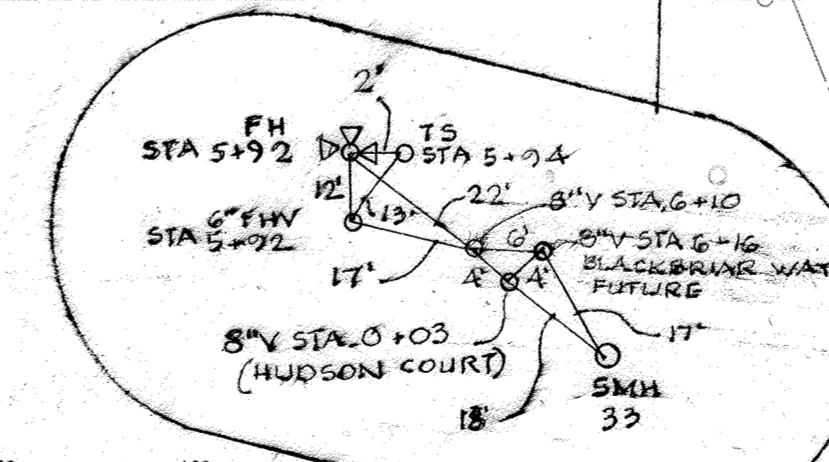
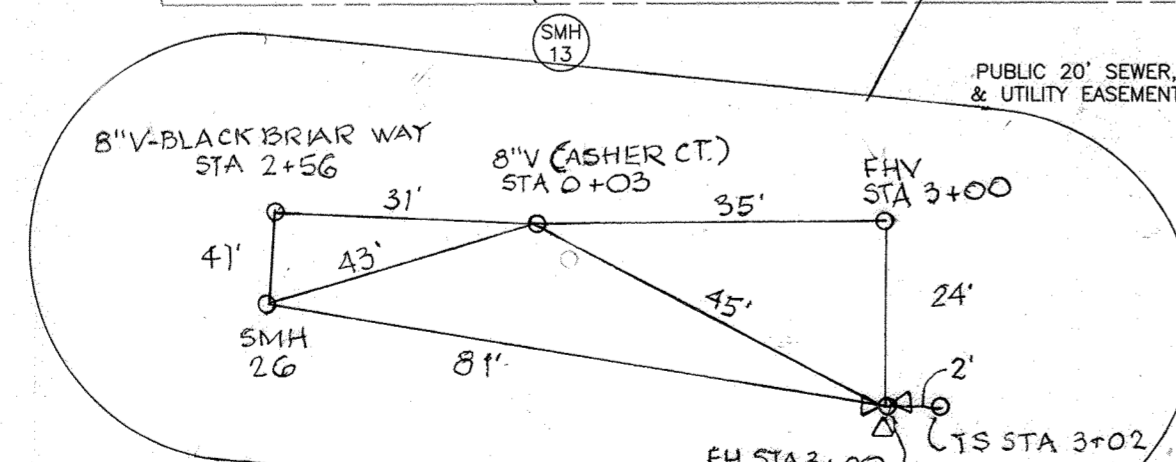
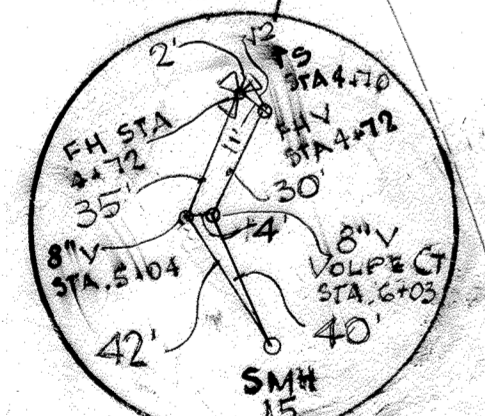
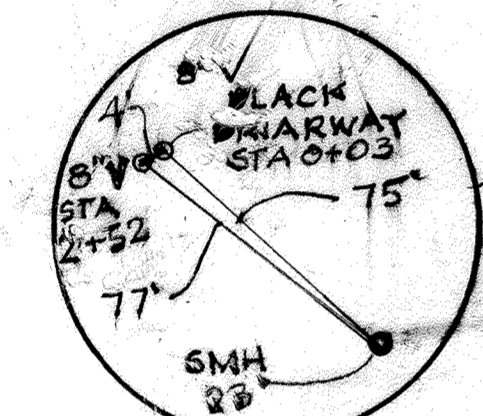
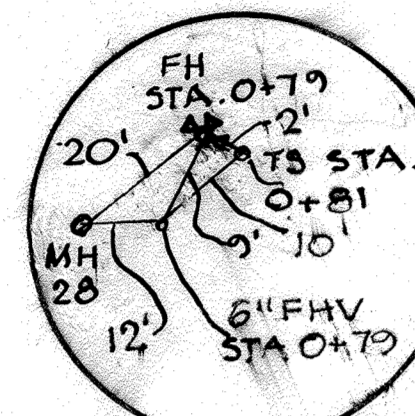
PUBLIC WATER AND SEWER PLAN
600 SCALE MAP #XX
BLOCK: ---

WELLINGTON FARMS
PHASE 1 SECTION 3
Lots 144 thru 269; Open Space Lots 270 thru 275; Non-Buildable Bulk Parcels 'F'
TAX MAP: 46 GRID: 6 PARCEL: 163
ZONED: R-20-MXD-3 / R-SG-MXD-3
ELECTION DISTRICT NO. 6 - HOWARD COUNTY, MARYLAND
CONTRACT NO. 24-5138-D

SCALE: AS SHOWN
SHEET NO. 4 OF 10

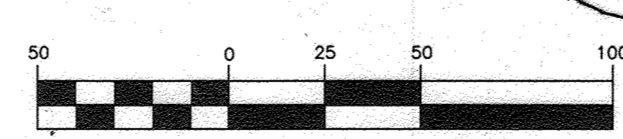


SEE MATCH LINE SHEET 4



MARYLAND AND VIRGINIA MILK PRODUCERS COOPERATIVE ASSOCIATION, INC. PARCEL 'B' PLAT #20137 75.577 AC.

HOWARD RESEARCH AND DEVELOPMENT CORP. TM 47 PARCEL 837 5289 / 330 ZONED: PEC-MXO-3



OWNER: ESC WELLINGTON, L.C. 5074 DORSEY HALL DRIVE, SUITE 205 ELLICOTT CITY, MARYLAND 21042 410-720-3021

DEVELOPER: ESC WELLINGTON, L.C. 5074 DORSEY HALL DRIVE, SUITE 205 ELLICOTT CITY, MARYLAND 21042 410-720-3021

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: 6-30-2023.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Chief
CHIEF, BUREAU OF UTILITIES

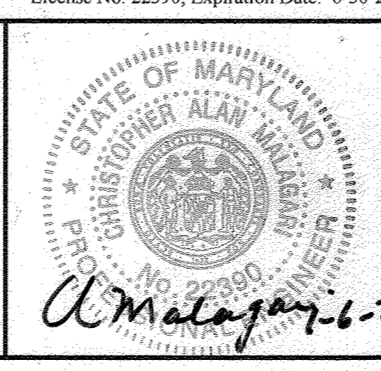
1-19-22
DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

Chief
CHIEF, DEVELOPMENT ENGINEERING DIVISION

2-10-22
DATE

BENCHMARK
ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE & SUITE 315 & ELLICOTT CITY, MARYLAND 21043
(P) 410-465-6105 (F) 410-465-6644
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DRAFT: LDD			
CHK: DBT			
DATE: 12.27.2021	WRA	AS BUILT	7/17/23
BY NO.		REVISIONS	DATE

PUBLIC WATER AND SEWER PLAN

600 SCALE MAP #xx

BLOCK: ---

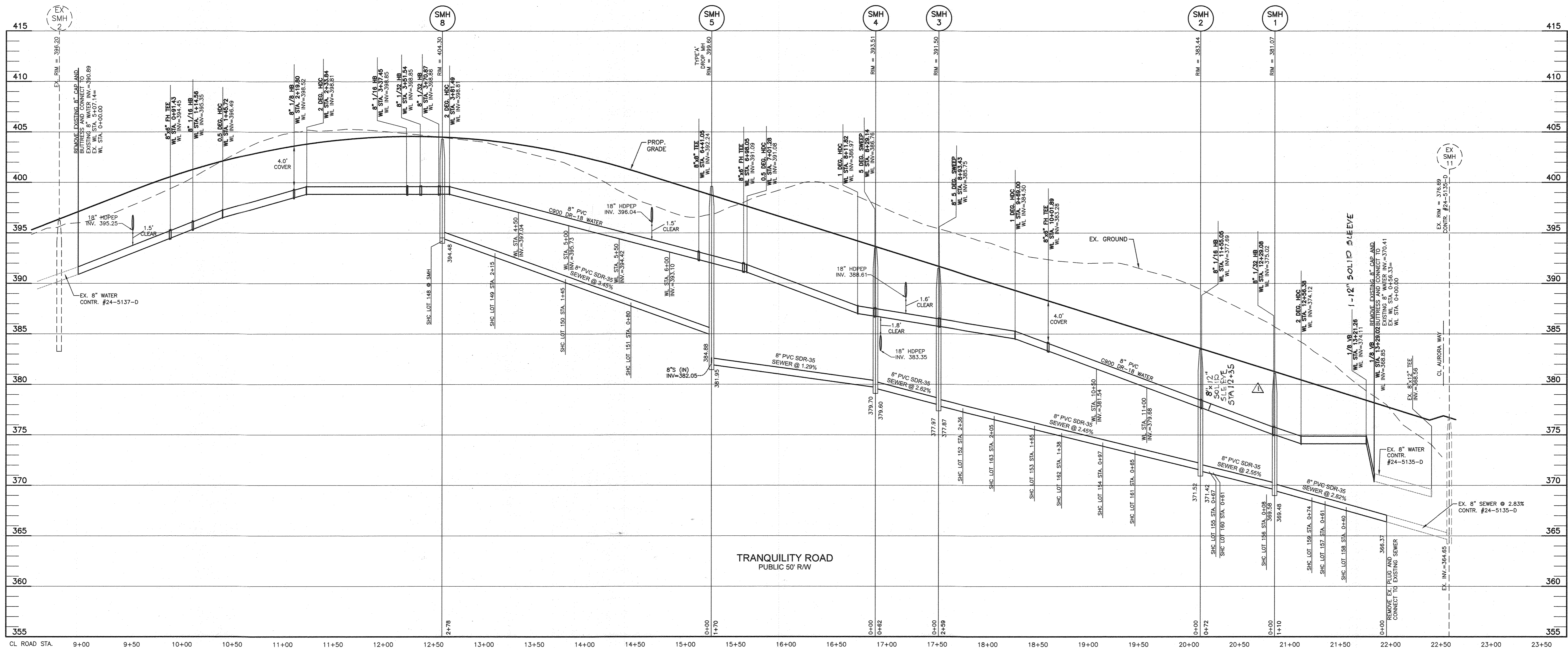
WELLINGTON FARMS
PHASE 1 SECTION 3
Lots 144 thru 269; Open Space Lots 270 thru 275; Non-Buildable Bulk Parcels 'F'

TAX MAP: 46 - GRID: 6 - PARCEL: 163
ZONED: R-20-MXD-3 / R-SC-MXD-3
ELECTION DISTRICT NO. 6 - HOWARD COUNTY, MARYLAND

CONTRACT NO. 24-5138-D

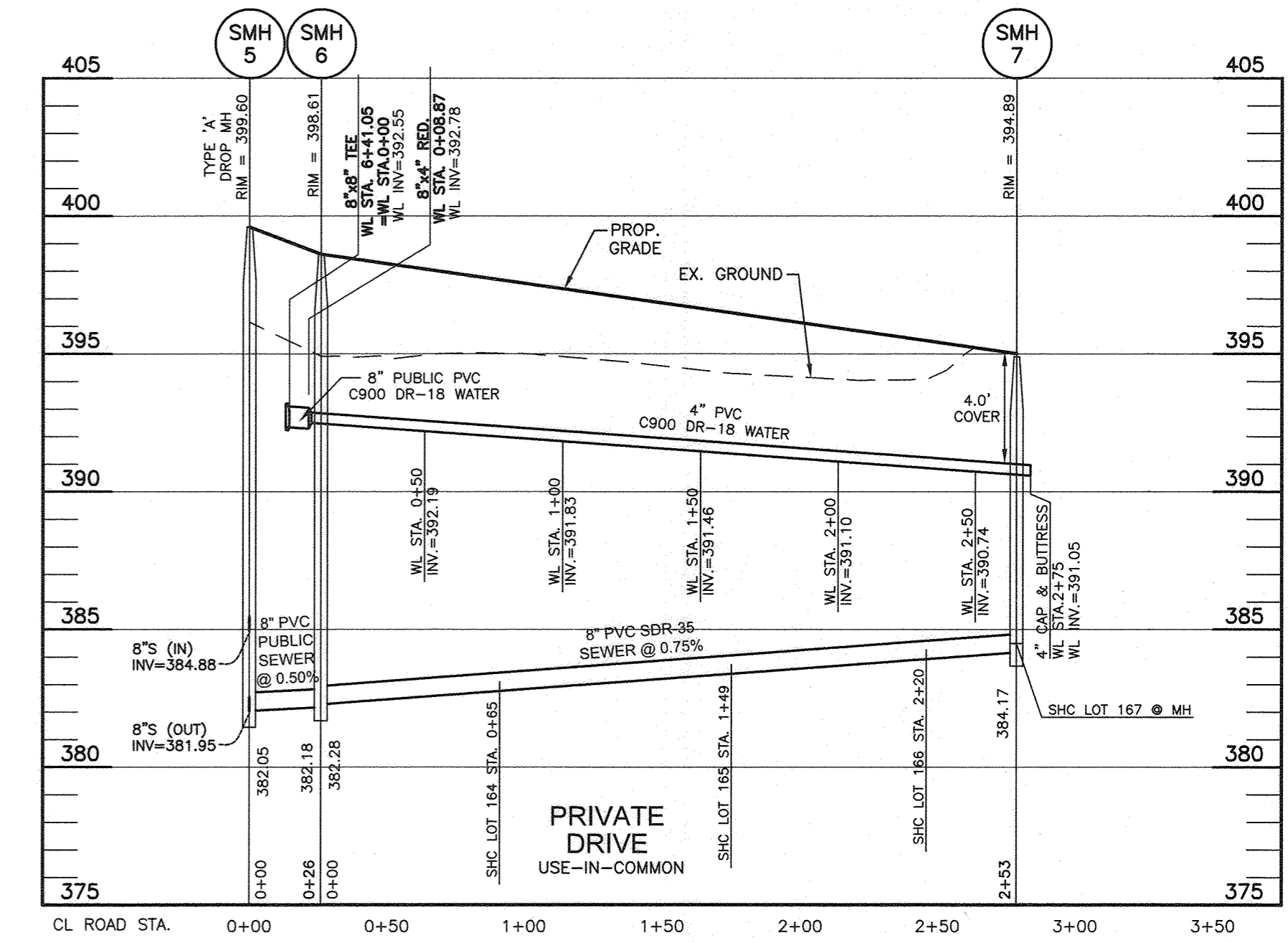
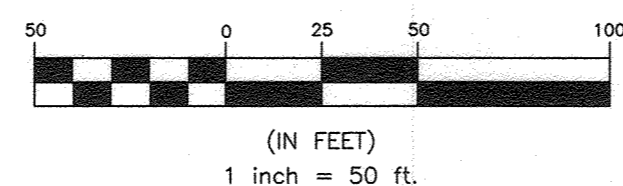
SCALE: AS SHOWN

SHEET NO. 5 OF 10



WATER APPURTENANCES SCHEDULE			
APPURTENANCE	WATER LINE STATION	NORTHING	EASTING
8"x6" FH TEE	WL STA.0+91.43	540122.9989	1348973.5981
8" 1/16 HB	WL STA.1+14.56	540144.5826	1348981.9023
0.5 DEG. HDC	WL STA.1+45.72	540167.0672	1349003.4735
8" 1/8 HB	WL STA.2+19.60	540220.5235	1349054.7810
2 DEG. HDC	WL STA.2+33.84	540220.7996	1349068.7959
8" 1/16 HB	WL STA.3+37.45	540222.8405	1349172.3954
8" 1/32 HB	WL STA.3+51.54	540218.0320	1349185.6382
8" 1/32 HB	WL STA.3+70.87	540208.4137	1349202.4017
2 DEG. HDC	WL STA.3+81.49	540202.3027	1349211.0935
8"x8" TEE	WL STA.6+41.05	540053.6555	1349423.8688
8"x6" FH TEE	WL STA.6+98.05	540006.7443	1349391.4945
0.5 DEG. HDC	WL STA.7+01.28	540004.0812	1349389.6651
1 DEG. HDC	WL STA.8+11.82	539913.0905	1349328.8890
5 DEG. SWEEP	WL STA.8+28.14	539898.8455	1349317.0453
8" 5 DEG. SWEEP	WL STA.8+93.43	539841.0183	1349288.9300
1 DEG. HDC	WL STA.9+69.00	539770.4255	1349261.9747
8"x6" FH TEE	WL STA.10+01.89	539738.7015	1349250.2281
8" 1/16 HB	WL STA.11+55.05	539696.6425	1349195.5255
8" 1/32 HB	WL STA.12+29.08	539522.6292	1349193.9716
2 DEG. HDC	WL STA.12+56.38	539495.7919	1349188.9851
1/8 VB	WL STA.13+21.26	539432.0160	1349210.9058
1/8 VB	WL STA.13+26.02	539424.3840	1349212.3324

PRIVATE DRIVE WATER APPURTENANCES SCHEDULE			
APPURTENANCE	WATER LINE STATION	NORTHING	EASTING
8"x4" REDUCER	WL STA.8+08.87	540048.4984	13489431.2506
4" CAP AND BUTTRESS	WL STA.2+75.00	539896.3277	1349649.0600

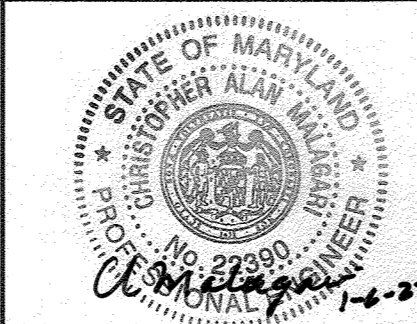


OWNER: ESC WELLINGTON, L.C.
5074 DORSEY HALL DRIVE, SUITE 205
ELLCOTT CITY, MARYLAND 21042
410-720-3021

DEVELOPER: ESC WELLINGTON, L.C.
5074 DORSEY HALL DRIVE, SUITE 205
ELLCOTT CITY, MARYLAND 21042
410-720-3021

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BENCHMARK
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8480 BALTIMORE NATIONAL PIKE & SUITE 315 A ELLCOTT CITY, MARYLAND 21043
(P) 410-465-8105 (F) 410-465-8644
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DRAFT: LDD					
CHK: DBT					
DATE: 12.27.2021					
W.R.A. 1	AS BUILT			7/17/23	
BY NO.		REVISIONS		DATE	

PUBLIC WATER AND SEWER PROFILES

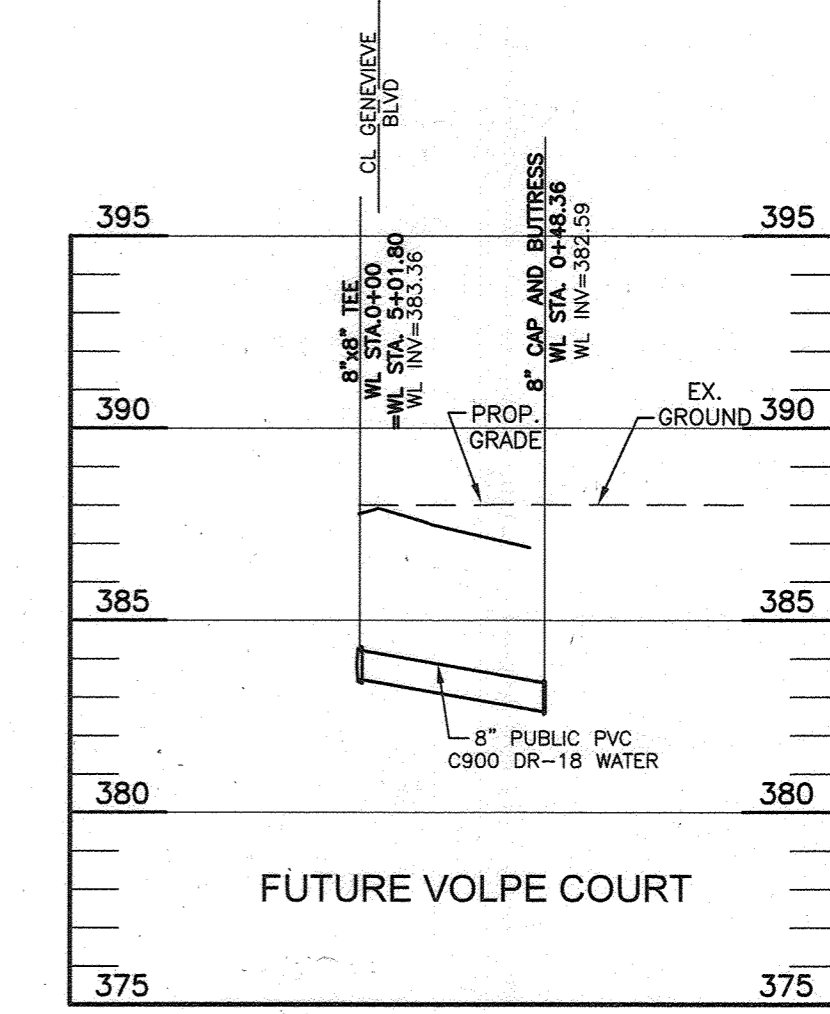
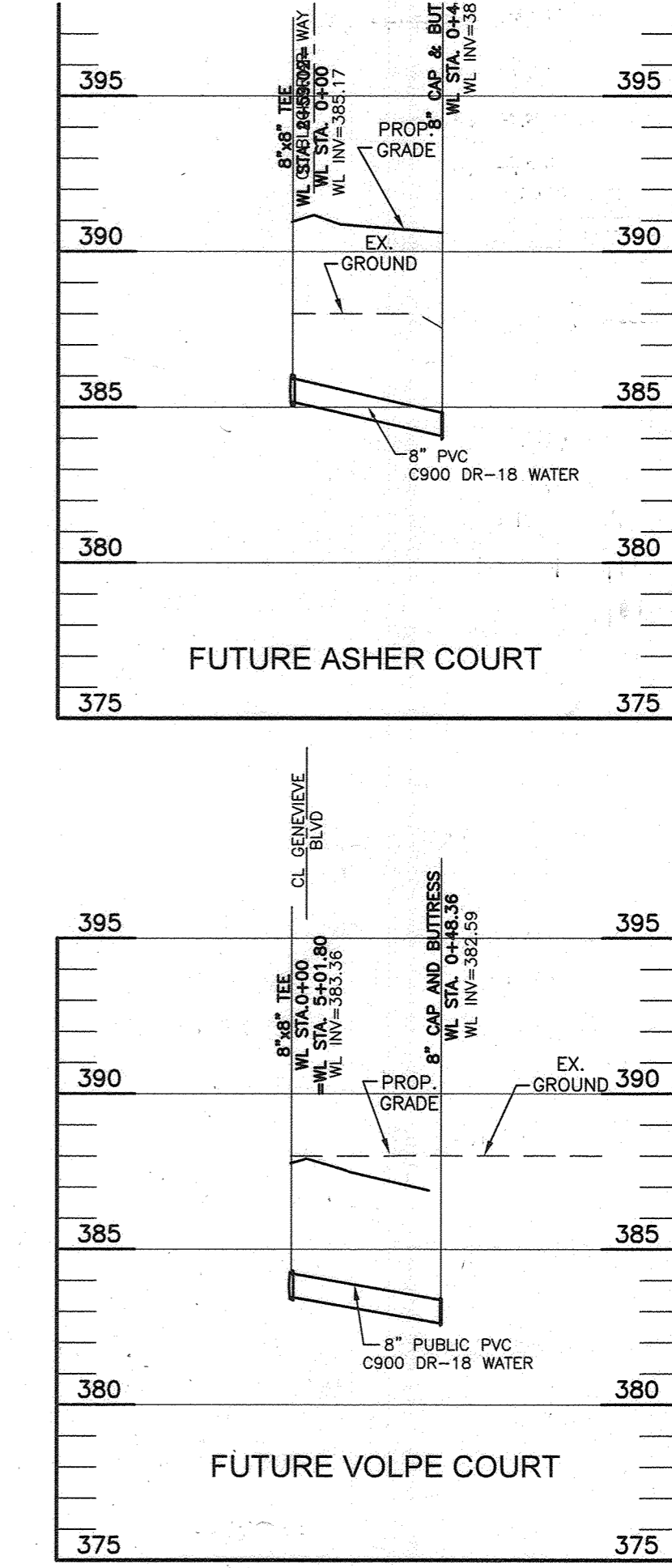
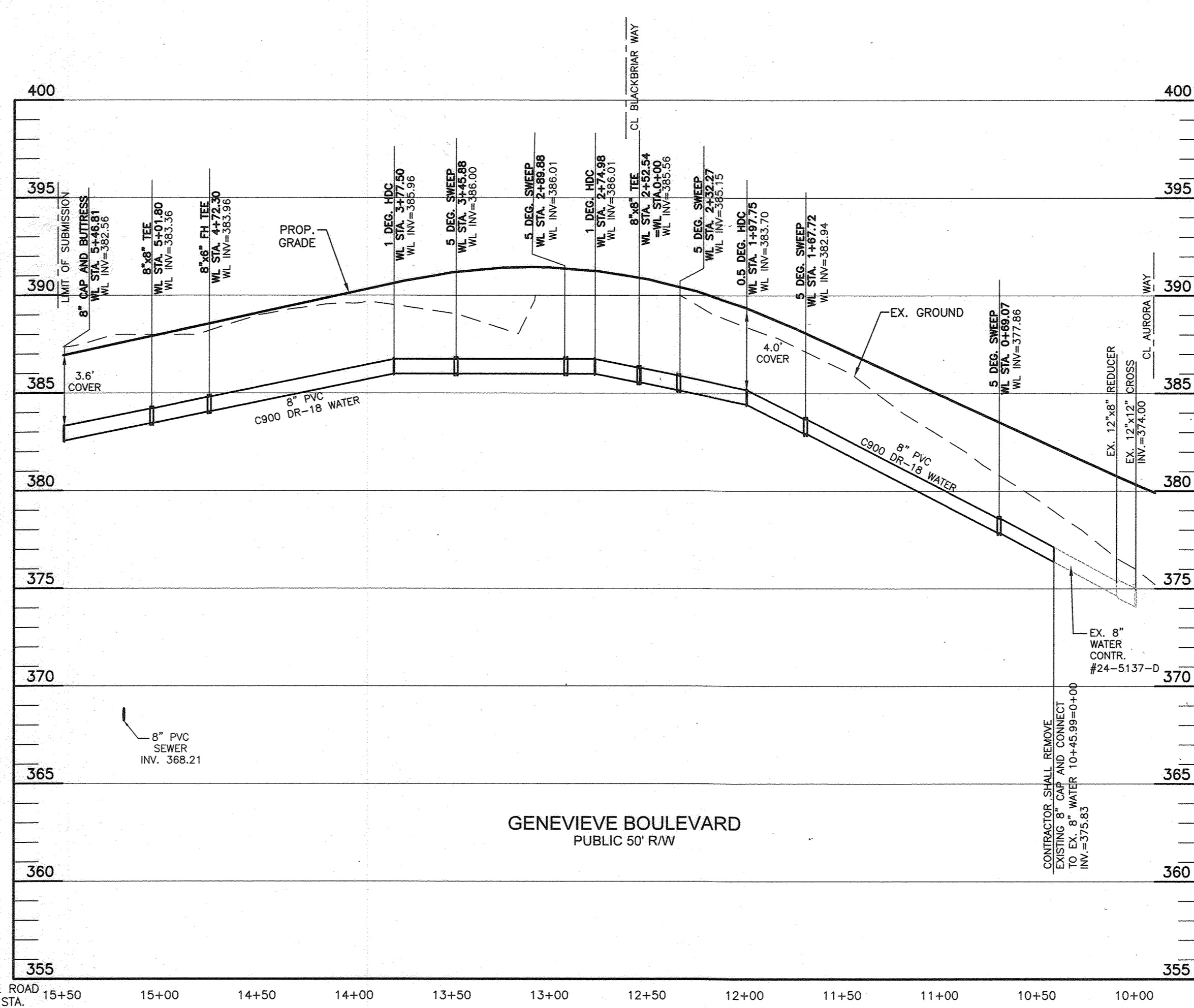
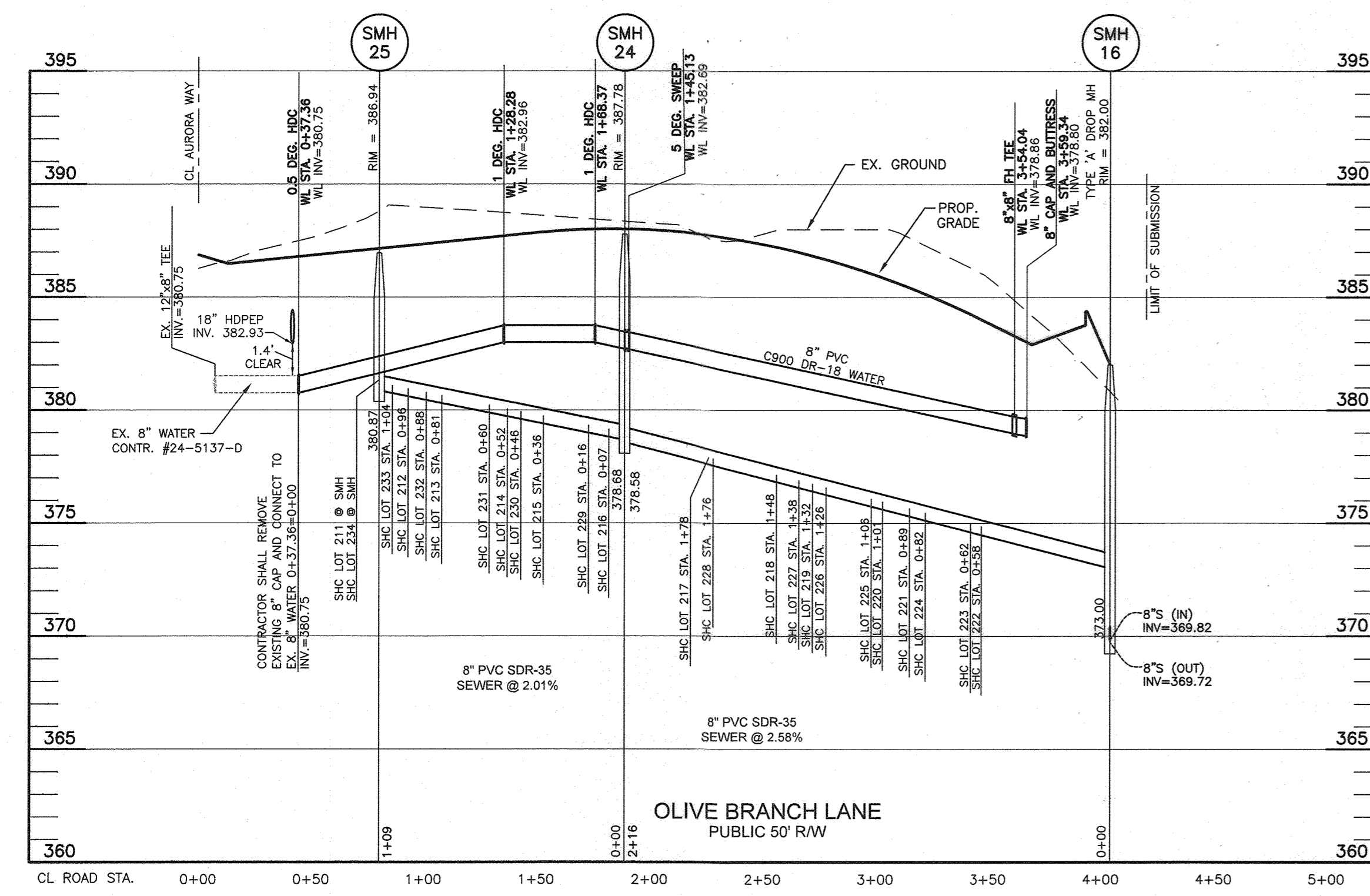
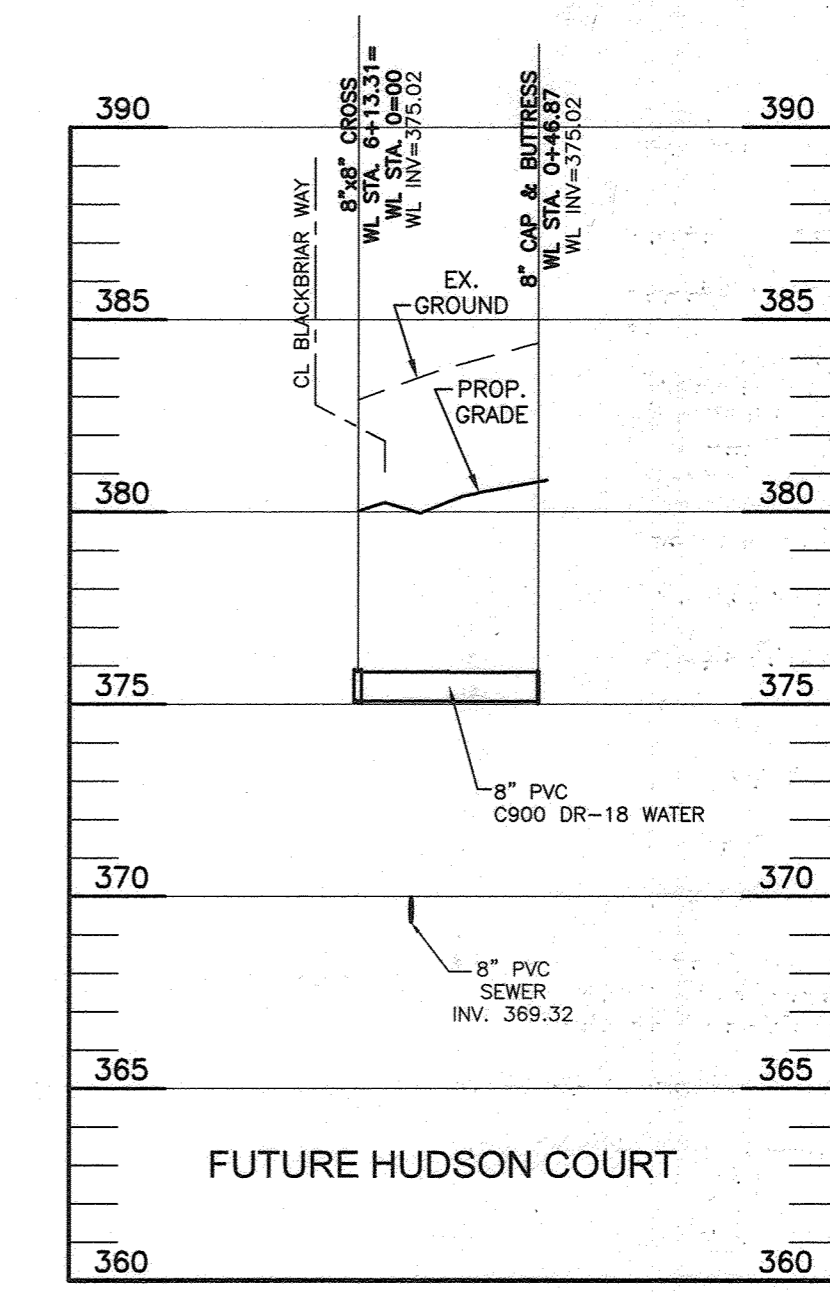
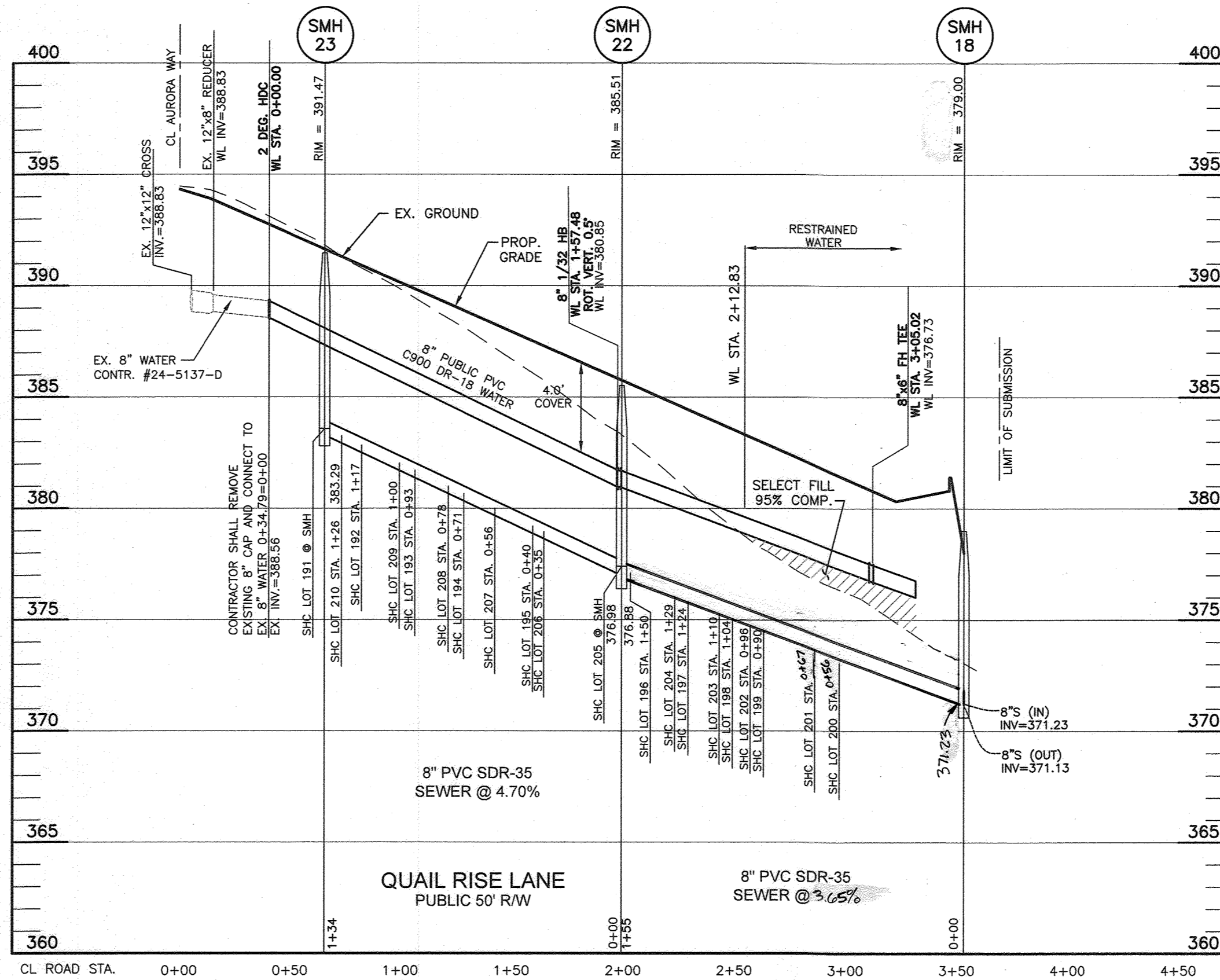
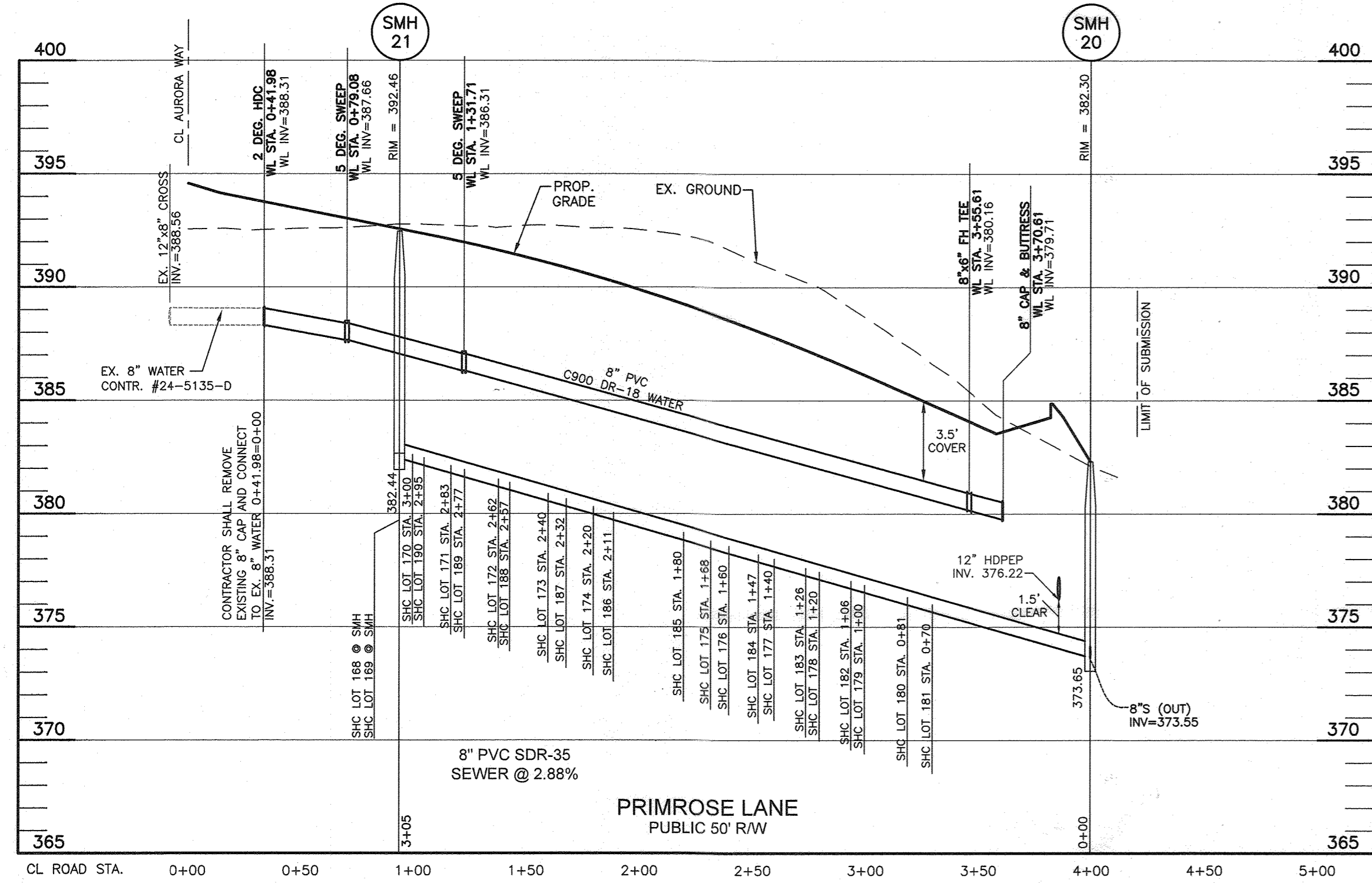
600 SCALE MAP # XX

BLOCK: ---

WELLINGTON FARMS
PHASE 1 SECTION 3
Lots 144 thru 269; Open Space Lots 270 thru 275; Non-Buildable Bulk Parcels 'F'
TAX MAP: 46 - GRID: 6 - PARCEL: 163
ZONED: R-20-MXD-3 / R-SC-MXD-3
ELECTION DISTRICT NO. 6 - HOWARD COUNTY, MARYLAND
CONTRACT NO. 24-5138-D

SCALE: AS SHOWN

SHEET NO. 6 OF 10



WATER APPURTENANCES SCHEDULE			
APPURTENANCE	WATER LINE STATION	NORTHING	EASTING
5 DEG SWEEP	WL STA.0+79.08	539113.1815	1349730.5132
2 DEG HDC	WL STA.0+42.00	539141.4813	1349754.4837
5 DEG SWEEP	WL STA.1+31.71	539070.1874	1349700.1659
8"x8" FH TEE	WL STA.3+55.54	538876.7254	1349587.3910
8" CAP & BUTTRISS	WL STA.3+70.61	538893.7881	1349579.8470

WATER APPURTENANCES SCHEDULE			
APPURTENANCE	WATER LINE STATION	NORTHING	EASTING
8" 1/2" HB	WL STA.1+57.48	538760.0609	1349840.3650
2 DEG HDC	WL STA.0+00.00	538875.8233	1349872.3460
8"x8" FH TEE	WL STA.3+05.11	538697.3783	1349747.0104
8" CAP & BUTTRISS	WL STA.3+25.02	538686.2633	1349730.4859

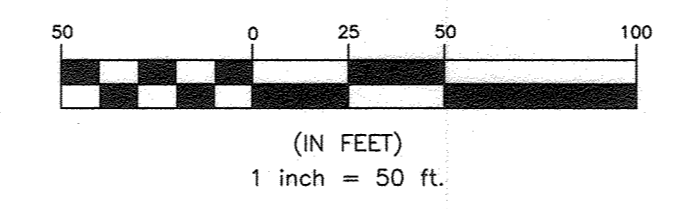
WATER APPURTENANCES SCHEDULE			
APPURTENANCE	WATER LINE STATION	NORTHING	EASTING
0.5 DEG HDC	WL STA.0+37.36	538661.8744	1350105.9891
1 DEG HDC	WL STA.1+28.28	538602.8258	1350036.8557
1 DEG HDC	WL STA.1+68.37	538576.7867	1350006.3705
5 DEG SWEEP	WL STA.1+45.13	538557.6106	1349995.6441
8"x8" FH TEE	WL STA.3+16.67	538476.3625	1349849.1598
8" CAP AND BUTTRISS	WL STA.3+59.84	538475.6018	1349844.6085

WATER APPURTENANCES SCHEDULE			
APPURTENANCE	WATER LINE STATION	NORTHING	EASTING
5 DEG SWEEP	WL STA.0+59.07	538469.1885	1350264.5584
5 DEG SWEEP	WL STA.1+67.72	538414.7763	1350152.2648
0.5 DEG HDC	WL STA.1+57.75	538400.4862	1350155.8745
5 DEG SWEEP	WL STA.2+32.27	538394.0017	1350125.5285
1 DEG HDC	WL STA.2+52.54	538375.9044	1350106.9388
5 DEG SWEEP	WL STA.2+74.98	538367.0014	1350086.3474
5 DEG SWEEP	WL STA.2+89.88	538361.0436	1350072.6883
5 DEG SWEEP	WL STA.3+45.88	538343.4280	1350019.5248
1 DEG HDC	WL STA.3+77.50	538336.0132	1349984.7653
8"x8" FH TEE	WL STA.4+72.30	538313.7435	1349896.6458
8"x8" TEE	WL STA.5+01.80	538306.8205	1349867.9694
8" CAP AND BUTTRISS	WL STA.0+48.36	538259.8722	1349870.5725
8" CAP AND BUTTRISS	WL STA.5+48.81	538296.0184	1349824.2694

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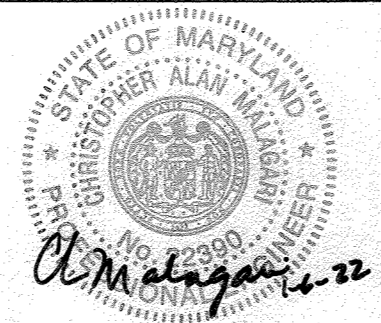
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 1-19-22
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

[Signature] 2-10-22
CHIEF, DEVELOPMENT ENGINEERING DIVISION

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ENGINEERS • LAND SURVEYORS • PLANNERS
ENGINEERING, INC.
6840 BALTIMORE NATIONAL PIKE & SUITE 3154 ELLICOTT CITY, MARYLAND 21043
(P) 410-465-6105 (F) 410-465-6644
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DESIGN: LDD			
DRAFT: LDD			
CHK: DBT			
DATE: 12.27.2021	BY: 361	NO. 1	REVISIONS: REVISE SEWER PIPE FROM SMH 22 TO SMH 18
			DATE: 10.31.22

PUBLIC WATER AND SEWER PROFILES

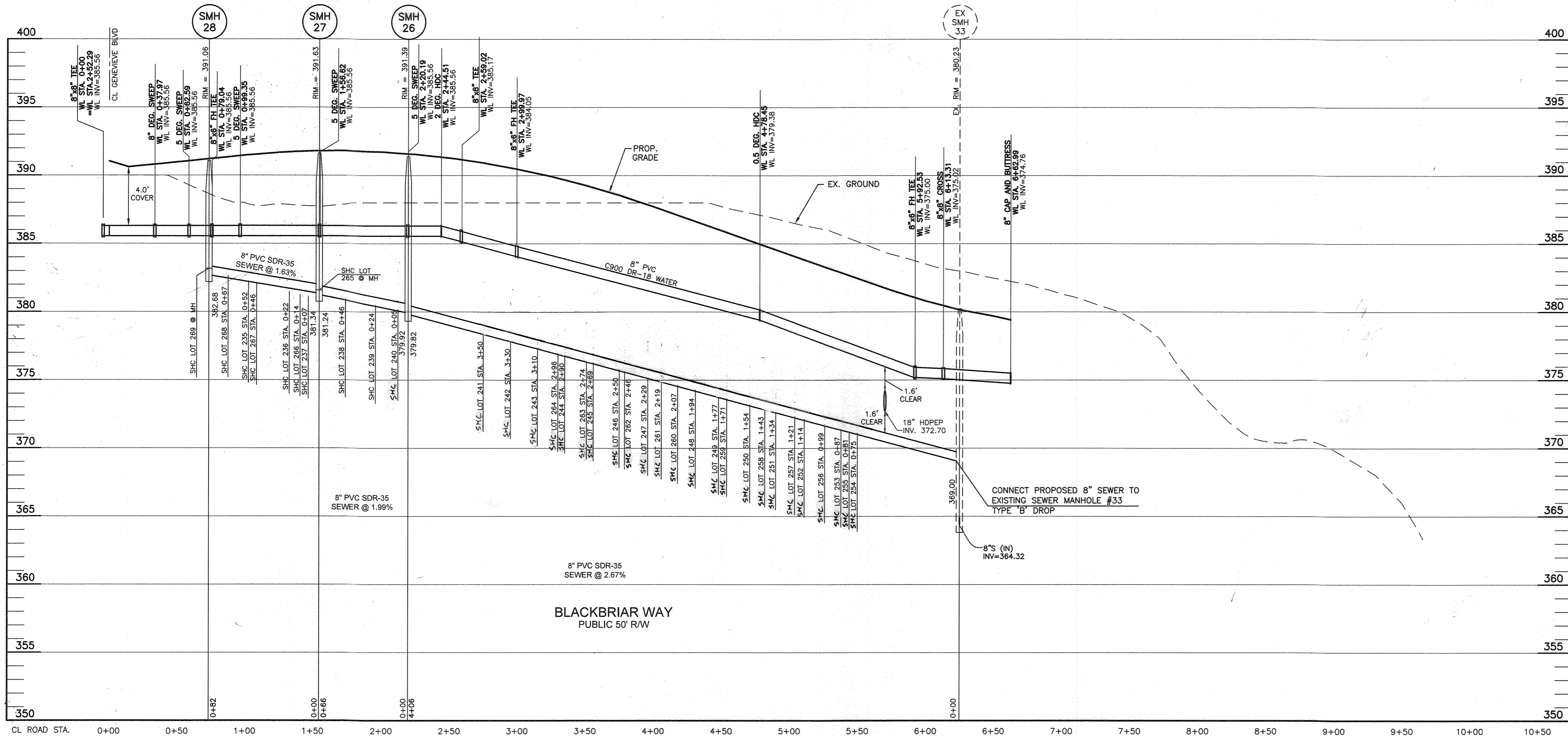
600 SCALE MAP #xx

WELLINGTON FARMS
PHASE 1 SECTION 3
Lots 144 thru 269; Open Space Lots 270 thru 275; Non-Buildable Bulk Parcels "F"
TAX MAP: 46 - GRID: 6 - PARCEL: 163
ZONED: R-20-MKD-3 / R-SC-MKD-3
ELECTION DISTRICT NO. 6 - HOWARD COUNTY, MARYLAND

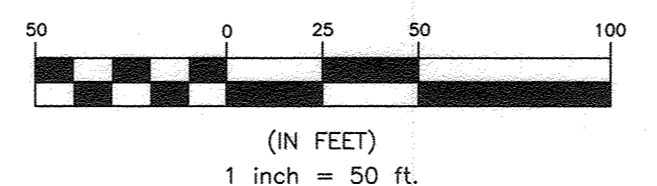
CONTRACT NO. 24-5138-D

SCALE: AS SHOWN

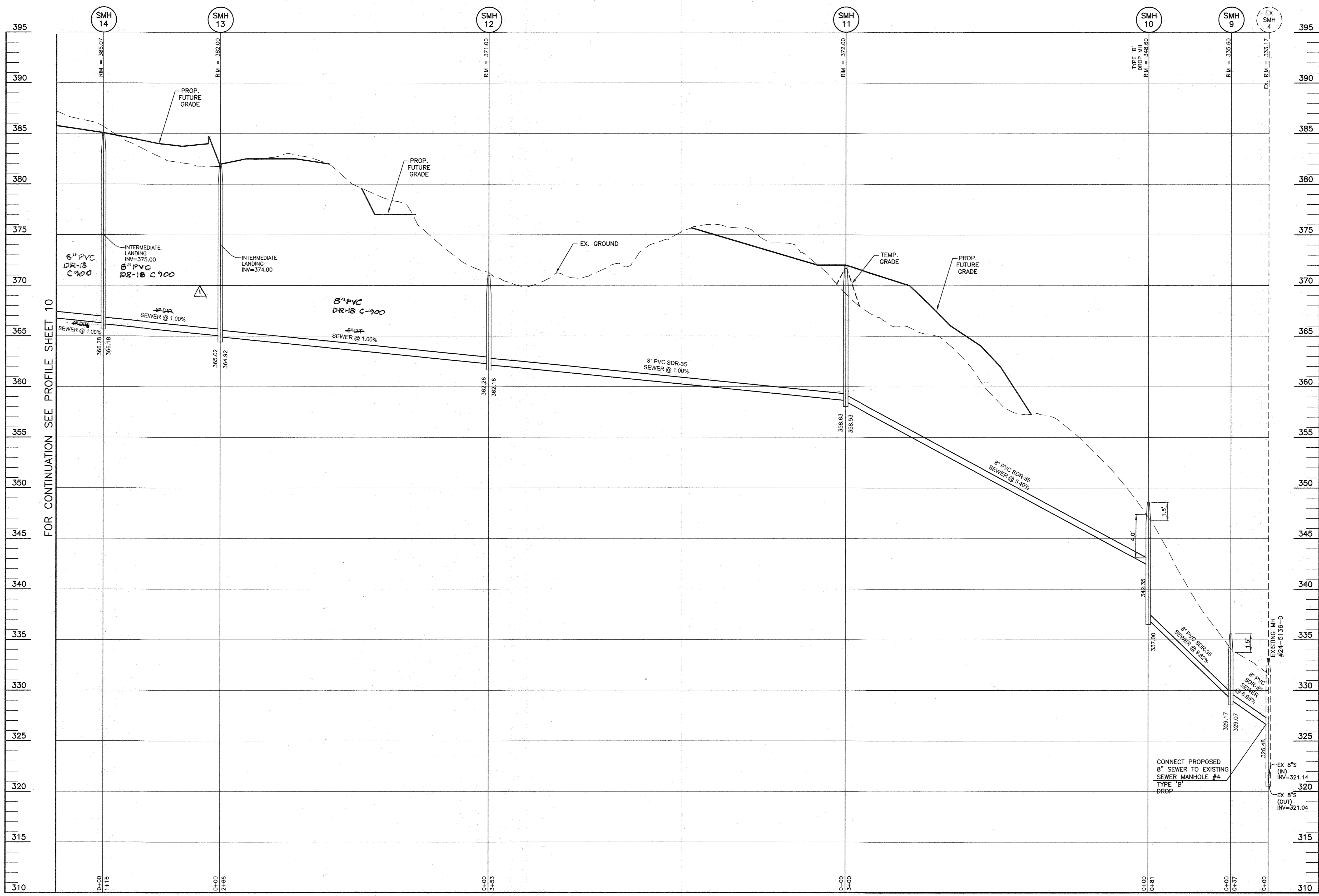
SHEET NO. 7 OF 10



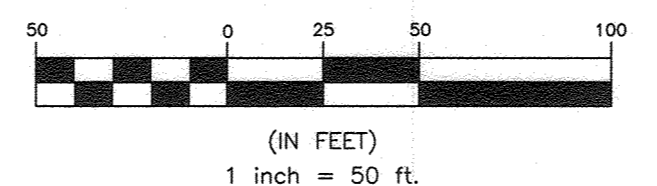
WATER APPURTENANCES SCHEDULE			
APPURTENANCE	WATER LINE STATION	NORTHING	EASTING
8"x8" TEE	WL STA. 2+52.54	538375.9044	1350106.9386
8" DEG. SWEEP	WL STA. 0+37.97	538340.6425	1350121.0311
5 DEG. SWEEP	WL STA. 0+62.59	538318.5846	1350131.9649
8"x6" FH TEE	WL STA. 0+79.04	538304.5910	1350140.6055
5 DEG. SWEEP	WL STA. 0+99.35	538287.3591	1350151.3642
5 DEG. SWEEP	WL STA. 1+56.62	538242.0273	1350186.3580
5 DEG. SWEEP	WL STA. 2+20.19	538200.2591	1350234.2807
2 DEG. HDC	WL STA. 2+44.51	538188.1589	1350255.3791
8"x6" FH TEE	WL STA. 2+99.97	538160.4755	1350303.4350
0.5 DEG. HDC	WL STA. 4+78.45	538071.7335	1350458.2852
8" CAP & BUTTRESS	WL STA. 0+48.32	538139.0445	1350243.8670
8"x6" FH TEE	WL STA. 5+92.53	538014.9717	1350557.2442
8"x8" CROSS	WL STA. 6+13.31	538004.6307	1350575.2681
8" CAP & BUTTRESS	WL STA. 0+46.87	537963.9752	1350551.9516
8" CAP AND BUTTRESS	WL STA. 6+62.99	537979.9071	1350618.3551



WATER HOUSE CONNECTION AS-BUILT LOCATION TABLE				SEWER HOUSE CONNECTION AS-BUILT LOCATION TABLE			
BUILD	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2	BUILD	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
144	TRANQUILITY ROAD	1-33 W/LET 23'	6" MC - 12"	144	TRANQUILITY ROAD	1-33 INLET 12'	W/LET 12'
145	TRANQUILITY ROAD	SMH 2 (47) 125'	1-33 90'	145	TRANQUILITY ROAD	SMH 2 (47) 125'	1-33 90'
146	TRANQUILITY ROAD	SMH 2 57'	1-33 90'	146	TRANQUILITY ROAD	SMH 2 57'	1-33 90'
147	TRANQUILITY ROAD	SMH 2 29'	1-100 INLET 53.4'	147	TRANQUILITY ROAD	SMH 2 29'	1-100 INLET 53.4'
148	TRANQUILITY ROAD	SMH 2 70'	1-100 INLET 53.4'	148	TRANQUILITY ROAD	SMH 2 70'	1-100 INLET 53.4'
149	TRANQUILITY ROAD	SMH 2 57'	W/LET 10'	149	TRANQUILITY ROAD	SMH 2 57'	W/LET 10'
150	TRANQUILITY ROAD	1-33 INLET 20'	1-33 91'	150	TRANQUILITY ROAD	1-33 INLET 20'	1-33 91'
151	TRANQUILITY ROAD	1-33 INLET 20'	1-33 45'	151	TRANQUILITY ROAD	1-33 INLET 20'	1-33 45'
152	TRANQUILITY ROAD	SMH 2 32'	1-33 47'	152	TRANQUILITY ROAD	SMH 2 32'	1-33 47'
153	TRANQUILITY ROAD	SMH 2 101'	SMH 3 58'	153	TRANQUILITY ROAD	SMH 2 101'	SMH 3 58'
154	TRANQUILITY ROAD	FH 10+01 45'	1-87 48'	154	TRANQUILITY ROAD	FH 10+01 45'	1-87 48'
155	TRANQUILITY ROAD	1-87 53'	SMH 2 23'	155	TRANQUILITY ROAD	1-87 53'	SMH 2 23'
156	TRANQUILITY ROAD	SMH 1 30'	1-88 48'	156	TRANQUILITY ROAD	SMH 1 30'	1-88 48'
157	TRANQUILITY ROAD	SMH 1 42'	1-17 96'	157	TRANQUILITY ROAD	SMH 1 42'	1-17 96'
158	TRANQUILITY ROAD	SMH 1 24'	FH 0+25 45'	158	TRANQUILITY ROAD	SMH 1 24'	FH 0+25 45'
159	TRANQUILITY ROAD	SMH 1 24'	C/O LOT 157 52'	159	TRANQUILITY ROAD	SMH 1 24'	C/O LOT 157 52'
160	TRANQUILITY ROAD	SMH 2 25'	1-88 21'	160	TRANQUILITY ROAD	SMH 2 25'	1-88 21'
161	TRANQUILITY ROAD	FH 10+01 62'	1-87 45'	161	TRANQUILITY ROAD	FH 10+01 62'	1-87 45'
162	TRANQUILITY ROAD	FH 10+01 42'	W/LET 12 17'	162	TRANQUILITY ROAD	FH 10+01 42'	W/LET 12 17'
163	TRANQUILITY ROAD	SMH 3 36'	FH STA. 10+01 86'	163	TRANQUILITY ROAD	SMH 3 36'	FH STA. 10+01 86'
164	TRANQUILITY ROAD	SMH 5 72'	SMH 6 81'	164	TRANQUILITY ROAD	SMH 5 72'	SMH 6 81'
165	TRANQUILITY ROAD	C/O LOT 164 11'	C/O LOT 163 11'	165	TRANQUILITY ROAD	C/O LOT 164 11'	C/O LOT 163 11'
166	TRANQUILITY ROAD	BLOW OFF V. 22'	W/LET 167 35'	166	TRANQUILITY ROAD	BLOW OFF V. 22'	W/LET 167 35'
167	TRANQUILITY ROAD	1-31 A 1 31 A	BLOW OFF V. 22'	167	TRANQUILITY ROAD	1-31 A 1 31 A	BLOW OFF V. 22'
168	PRIMROSE LANE	SMH 2 21 25'	SMH 3 41 45'	168	PRIMROSE LANE	SMH 2 21 25'	SMH 3 41 45'
169	PRIMROSE LANE	SMH 2 21 25'	SMH 3 41 45'	169	PRIMROSE LANE	SMH 2 21 25'	SMH 3 41 45'
170	PRIMROSE LANE	TWIN	SMH 2 21 25'	170	PRIMROSE LANE	TWIN	SMH 2 21 25'
171	PRIMROSE LANE	SMH 2 21 47'	SMH 3 120'	171	PRIMROSE LANE	SMH 2 21 47'	SMH 3 120'
172	PRIMROSE LANE	TWIN	FH 3+55 174'	172	PRIMROSE LANE	TWIN	FH 3+55 174'
173	PRIMROSE LANE	FHV 115'	FH 3+55 114'	173	PRIMROSE LANE	FHV 115'	FH 3+55 114'
174	PRIMROSE LANE	TWIN	FH 3+55 174'	174	PRIMROSE LANE	TWIN	FH 3+55 174'
175	PRIMROSE LANE	FHV 115'	FH 3+55 114'	175	PRIMROSE LANE	FHV 115'	FH 3+55 114'
176	PRIMROSE LANE	TWIN	FH 3+55 174'	176	PRIMROSE LANE	TWIN	FH 3+55 174'
177	PRIMROSE LANE	FHV 115'	FH 3+55 114'	177	PRIMROSE LANE	FHV 115'	FH 3+55 114'
178	PRIMROSE LANE	TWIN	FH 3+55 174'	178	PRIMROSE LANE	TWIN	FH 3+55 174'
179	PRIMROSE LANE	FHV 115'	FH 3+55 114'	179	PRIMROSE LANE	FHV 115'	FH 3+55 114'
180	PRIMROSE LANE	TWIN	FH 3+55 174'	180	PRIMROSE LANE	TWIN	FH 3+55 174'
181	PRIMROSE LANE	FHV 115'	FH 3+55 114'	181	PRIMROSE LANE	FHV 115'	FH 3+55 114'
182	PRIMROSE LANE	TWIN	FH 3+55 174'	182	PRIMROSE LANE	TWIN	FH 3+55 174'
183	PRIMROSE LANE	FHV 115'	FH 3+55 114'	183	PRIMROSE LANE	FHV 115'	FH 3+55 114'
184	PRIMROSE LANE	TWIN	FH 3+55 174'	184	PRIMROSE LANE	TWIN	FH 3+55 174'
185	PRIMROSE LANE	FHV 115'	FH 3+55 114'	185	PRIMROSE LANE	FHV 115'	FH 3+55 114'
186	PRIMROSE LANE	TWIN	FH 3+55 174'	186	PRIMROSE LANE	TWIN	FH 3+55 174'
187	PRIMROSE LANE	FHV 115'	FH 3+55 114'	187	PRIMROSE LANE	FHV 115'	FH 3+55 114'
188	PRIMROSE LANE	TWIN	FH 3+55 174'	188	PRIMROSE LANE	TWIN	FH 3+55 174'
189	PRIMROSE LANE	FHV 115'	FH 3+55 114'	189	PRIMROSE LANE	FHV 115'	FH 3+55 114'
190	PRIMROSE LANE	TWIN	FH 3+55 174'	190	PRIMROSE LANE	TWIN	FH 3+55 174'
191	PRIMROSE LANE	FHV 115'	FH 3+55 114'	191	PRIMROSE LANE	FHV 115'	FH 3+55 114'
192	PRIMROSE LANE	TWIN	FH 3+55 174'	192	PRIMROSE LANE	TWIN	FH 3+55 174'
193	PRIMROSE LANE	FHV 115'	FH 3+55 114'	193	PRIMROSE LANE	FHV 115'	FH 3+55 114'
194	PRIMROSE LANE	TWIN	FH 3+55 174'	194	PRIMROSE LANE	TWIN	FH 3+55 174'
195	PRIMROSE LANE	FHV 115'	FH 3+55 114'	195	PRIMROSE LANE	FHV 115'	FH 3+55 114'
196	PRIMROSE LANE	TWIN	FH 3+55 174'	196	PRIMROSE LANE	TWIN	FH 3+55 174'
197	PRIMROSE LANE	FHV 115'	FH 3+55 114'	197	PRIMROSE LANE	FHV 115'	FH 3+55 114'
198	PRIMROSE LANE	TWIN	FH 3+55 174'	198	PRIMROSE LANE	TWIN	FH 3+55 174'
199	PRIMROSE LANE	FHV 115'	FH 3+55 114'	199	PRIMROSE LANE	FHV 115'	FH 3+55 114'
200	PRIMROSE LANE	TWIN	FH 3+55 174'	200	PRIMROSE LANE	TWIN	FH 3+55 174'
201	PRIMROSE LANE	FHV 115'	FH 3+55 114'	201	PRIMROSE LANE	FHV 115'	FH 3+55 114'
202	PRIMROSE LANE	TWIN	FH 3+55 174'	202	PRIMROSE LANE	TWIN	FH 3+55 174'
203	PRIMROSE LANE	FHV 115'	FH 3+55 114'	203	PRIMROSE LANE	FHV 115'	FH 3+55 114'
204	PRIMROSE LANE	TWIN	FH 3+55 174'	204	PRIMROSE LANE	TWIN	FH 3+55 174'
205	PRIMROSE LANE	FHV 115'	FH 3+55 114'	205	PRIMROSE LANE	FHV 115'	FH 3+55 114'
206	PRIMROSE LANE	TWIN	FH 3+55 174'	206	PRIMROSE LANE	TWIN	FH 3+55 174'
207	PRIMROSE LANE	FHV 115'	FH 3+55 114'	207	PRIMROSE LANE	FHV 115'	FH 3+55 114'
208	PRIMROSE LANE	TWIN	FH 3+55 174'	208	PRIMROSE LANE	TWIN	FH 3+55 174'
209	PRIMROSE LANE	FHV 115'	FH 3+55 114'	209	PRIMROSE LANE	FHV 115'	FH 3+55 114'
210	PRIMROSE LANE	TWIN	FH 3+55 174'	210	PRIMROSE LANE	TWIN	FH 3+55 174'
211	PRIMROSE LANE	FHV 115'	FH 3+55 114'	211	PRIMROSE LANE	FHV 115'	FH 3+55 114'
212	PRIMROSE LANE	TWIN	FH 3+55 174'	212	PRIMROSE LANE	TWIN	FH 3+55 174'
213	PRIMROSE LANE	FHV 115'	FH 3+55 114'	213	PRIMROSE LANE	FHV 115'	FH 3+55 114'
214	PRIMROSE LANE	TWIN	FH 3+55 174'	214	PRIMROSE LANE	TWIN	FH 3+55 174'
215	PRIMROSE LANE	FHV 115'	FH 3+55 114'	215	PRIMROSE LANE	FHV 115'	FH 3+55 114'
216	PRIMROSE LANE	TWIN	FH 3+55 174'	216	PRIMROSE LANE	TWIN	FH 3+55 174'
217	PRIMROSE LANE	FHV 115'	FH 3+55 114'	217	PRIMROSE LANE	FHV 115'	FH 3+55 114'
218	PRIMROSE LANE	TWIN	FH 3+55 174'	218	PRIMROSE LANE	TWIN	FH 3+55 174'
219	PRIMROSE LANE	FHV 115'	FH 3+55 114'	219	PRIMROSE LANE	FHV 115'	FH 3+55 114'
220	PRIMROSE LANE	TWIN	FH 3+55 174'	220	PRIMROSE LANE	TWIN	FH 3+55 174'
221	PRIMROSE LANE	FHV 115'	FH 3+55 114'	221	PRIMROSE LANE	FHV 115'	FH 3+55 114'
222	PRIMROSE LANE	TWIN	FH 3+55 174'	222	PRIMROSE LANE	TWIN	FH 3+55 174'
223	PRIMROSE LANE	FHV 115'	FH 3+55 114'	223	PRIMROSE LANE	FHV 115'	FH 3+55 114'
224	PRIMROSE LANE	TWIN	FH 3+55 174'	224	PRIMROSE LANE	TWIN	FH 3+55 174'
225	PRIMROSE LANE	FHV 115'	FH 3+55 114'	225	PRIMROSE LANE	FHV 115'	FH 3+55 114'
226	PRIMROSE LANE	TWIN	FH 3+55 174'	226	PRIMROSE LANE	TWIN	FH 3+55 174'
227	PRIMROSE LANE	FHV 115'	FH 3+55 114'	227	PRIMROSE LANE	FHV 115'	FH 3+55 114'
228	PRIMROSE LANE	TWIN	FH 3+55 174'	228	PRIMROSE LANE	TWIN	FH 3+55 174'
229	PRIMROSE LANE	FHV 115'	FH 3+55 114'	229	PRIMROSE LANE	FHV 115'	FH 3+55 114'
230	PRIMROSE LANE	TWIN	FH 3+55 174'	230	PRIMROSE LANE	TWIN	FH 3+55 174'
231	PRIMROSE LANE	FHV 115'	FH 3+55 114'	231	PRIMROSE LANE	FHV 115'	FH 3+55 114'
232	PRIMROSE LANE	TWIN	FH 3+55 174'	232	PRIMROSE LANE	TWIN	FH 3+55 174'
233	PRIMROSE LANE	FHV 115'	FH 3+55 114'	233	PRIMROSE LANE	FHV 115'	FH 3+55 114'
234	PRIMROSE LANE	TWIN	FH 3+55 174'	234	PRIMROSE LANE	TWIN	FH 3+55 174'
235	PRIMROSE LANE	FHV 115'	FH 3+55 114'	235	PRIMROSE LANE	FHV 115'	FH 3+55 114'
236	PRIMROSE LANE	TWIN	FH 3+55 174'	236	PRIMROSE LANE	TWIN	FH 3+55 174'
237	PRIMROSE LANE	FHV 115'	FH 3+55 114'	237	PRIMROSE LANE	FHV 115'	FH 3+55 114'
238	PRIMROSE LANE	TWIN	FH 3+55 174'	238	PRIMROSE LANE	TWIN	FH 3+55 174'
239	PRIMROSE LANE	FHV 115'	FH 3+55 114'	239	PRIMROSE LANE	FHV 115'	FH 3+55 114'
240	PRIMROSE LANE	TWIN	FH 3+55 174'	240	PRIMROSE LANE	TWIN	FH 3+55 174'
241	PRIMROSE LANE	FHV 115'	FH 3+55 114'	241	PRIMROSE LANE	FHV 115'	FH 3+55 114'
242	PRIMROSE LANE	TWIN	FH 3+55 174'	242	PRIMROSE LANE	TWIN	FH 3+55 174'
243	PRIMROSE LANE	FHV 115'	FH 3+55 114'	243	PRIMROSE LANE	FHV 115'	FH 3+55 114'
244	PRIMROSE LANE	TWIN	FH 3+55 174'	244	PRIMROSE LANE	TWIN	FH 3+55 174'
245	PRIMROSE LANE	FHV 115'	FH 3+55 114'	245	PRIMROSE LANE	FHV 115'	FH 3+55 114'
246	PRIMROSE LANE	TWIN	FH 3+55 174'	246	PRIMROSE LANE	TWIN	FH 3+55 174'
247	PRIMROSE LANE	FHV 115'	FH 3+55 114'	247	PRIMROSE LANE	FHV 115'	FH 3+55 114'
248	PRIMROSE LANE	TWIN	FH 3+55 174'	248	PRIMROSE LANE	TWIN	FH 3+55 174'
249	PRIMROSE LANE	FHV 115'	FH 3+55 114'	249	PRIMROSE LANE	FHV 115'	FH 3+55 114'
250	PRIMROSE LANE	TWIN	FH 3+55 174'	250	PRIMROSE LANE	TWIN	FH 3+55 174'
251	PRIMROSE LANE	FHV 115'	FH 3+55 114'	251	PRIMROSE LANE	FHV 115'	FH 3+55 114'
252	PRIMROSE LANE	TWIN	FH 3+55 174'	252	PRIMROSE LANE	TWIN	FH 3+55 1



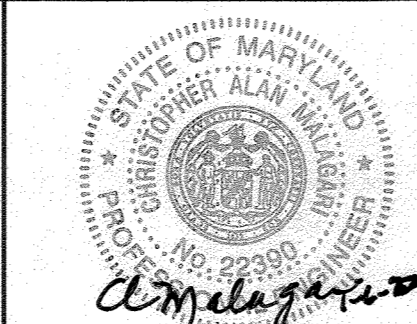
FOR CONTINUATION SEE PROFILE SHEET 10



OWNER: ESC WELLINGTON, L.C. 5074 DORSEY HALL DRIVE, SUITE 205 ELLCOTT CITY, MARYLAND 21042 410-720-3021	DEVELOPER: ESC WELLINGTON, L.C. 5074 DORSEY HALL DRIVE, SUITE 205 ELLCOTT CITY, MARYLAND 21042 410-720-3021
---	---

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: 6-30-2023.

BENCHMARK ENGINEERING, INC.
ENGINEERS & LAND SURVEYORS & PLANNERS
8480 BALTIMORE NATIONAL PIKE & SUITE 315 • ELLICOTT CITY, MARYLAND 21043
(P) 410-465-6105 (F) 410-465-6644
WWW.BE-CIVILENGINEERING.COM



DESIGN: LDD				
DRAFT: LDD				
CHK: DBT				
DATE: 12.27.2021	WRA	1	AS BUILT	7/17/23
	BY	NO.	REVISIONS	DATE

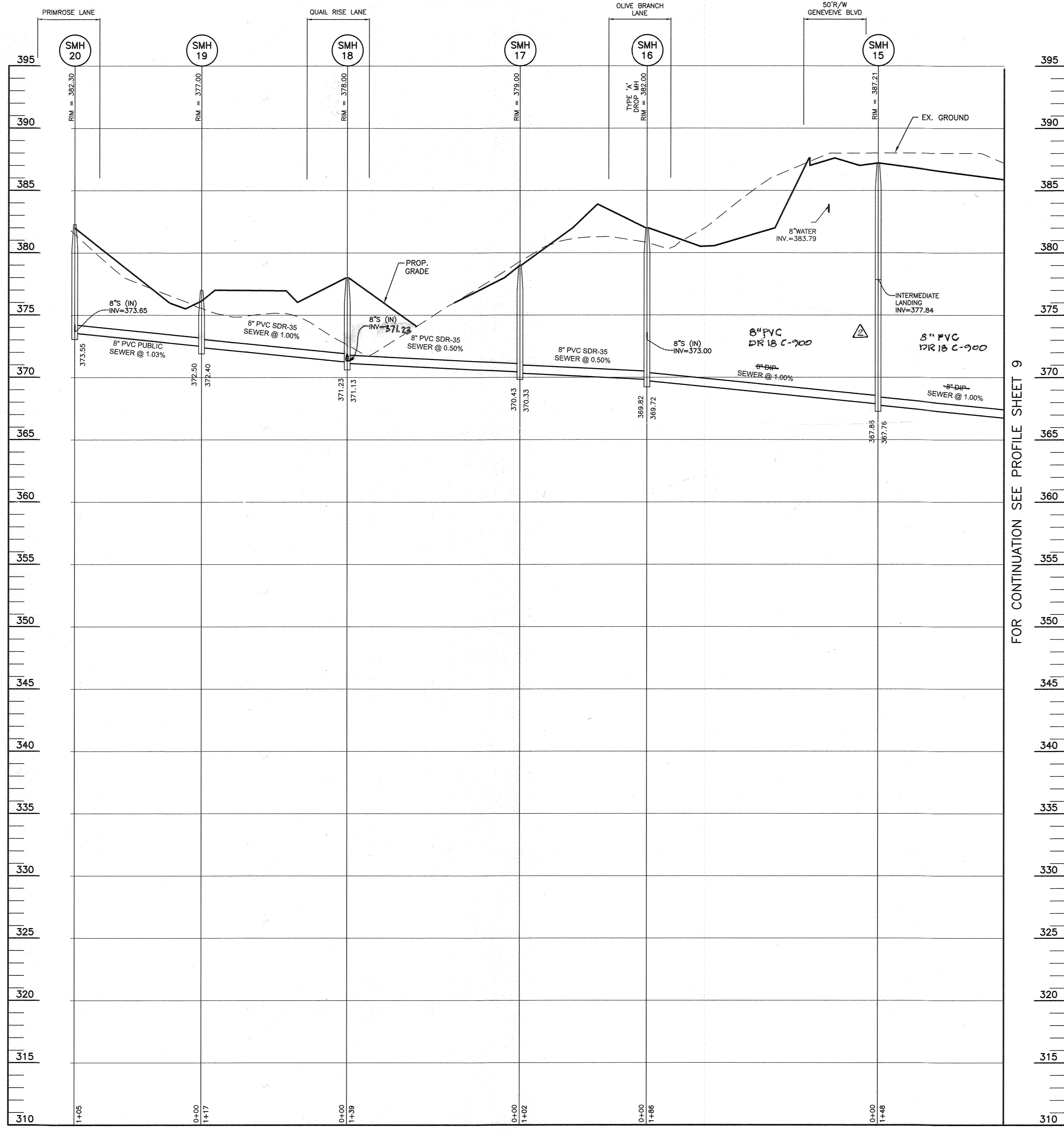
PUBLIC WATER AND SEWER PROFILES
600 SCALE MAP #xx
BLOCK: ---

WELLINGTON FARMS
PHASE 1 SECTION 3
Lots 144 thru 269; Open Space Lots 270 thru 275; Non-Buildable Bulk Parcels 'F'
TAX MAP: 48 - GRID: 6 - PARCEL: 163
ZONED: R-20-MXD-3 / R-SC-MXD-3
ELECTION DISTRICT NO. 6 - HOWARD COUNTY, MARYLAND
CONTRACT NO. 24-5138-D

SCALE:
AS SHOWN
SHEET NO.
9 OF 10

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
[Signature]
1-19-22
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
[Signature]
2-10-22
CHIEF, DEVELOPMENT ENGINEERING DIVISION



FOR CONTINUATION SEE PROFILE SHEET 9

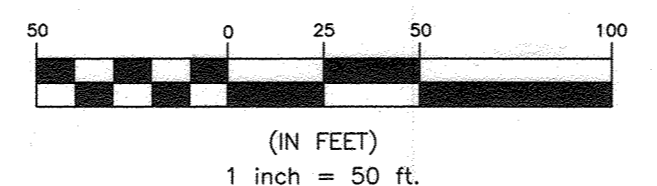
SHC CHART						
Lot Number	Invert @ main	DHC?	DHC standpipe length/height	Invert @ R/W or esnl line	Minimum Cellar Elevation	Basement Floor
148	394.81			385.25	400.33	400.56
149	392.47			382.87	397.35	398.26
150	390.06			380.45	394.93	397.23
151	387.81			388.21	392.69	395.52
152	377.47			378.11	382.61	385.72
153	376.73			376.37	380.87	383.66
154	374.71			374.71	379.21	381.38
155	371.46			372.06	376.86	378.06
156	369.95			370.59	375.43	377.17
157	368.28			368.94	373.92	375.67
158	367.68			368.34	373.70	374.99
159	368.65			369.01	373.59	375.67
160	371.31			371.75	376.25	378.87
161	373.59			373.58	378.18	381.12
162	375.07			375.07	378.97	383.31
163	376.71			377.11	381.61	385.52
164	382.94			383.42	387.64	389.67
165	383.57			384.05	388.15	389.67
166	384.10			384.58	388.98	389.17
167	384.50			384.98	389.76	389.84
168	383.77			383.47	387.27	385.18
169	382.77			383.27	387.07	385.18
170	382.46			382.94	386.74	384.51
171	381.97			382.49	386.29	383.84
172	381.36			381.88	385.68	383.17
173	380.73			381.27	385.07	382.50
174	380.16			380.70	384.50	382.50
175	379.20			379.20	383.00	381.03
176	378.43			378.87	382.77	380.36
177	377.85			378.39	382.19	380.69
178	377.28			377.82	381.62	380.02
179	376.70			377.24	381.04	380.68
180	376.15			376.69	380.49	380.01
181	375.84			376.10	379.90	380.92
182	375.13			375.13	380.83	381.59
183	377.45			377.71	381.51	388.53
184	378.05			378.31	382.11	389.60
185	379.00			379.26	383.06	390.27
186	379.90			380.16	383.96	392.20
187	380.50			380.76	384.56	392.87
188	381.48			381.48	385.28	392.87
189	381.80			382.08	385.88	393.54
190	382.32			382.62	386.42	394.21
191	383.62			384.16	387.96	392.82
192	382.56			383.08	386.88	392.15
193	381.52			382.04	385.84	391.48
194	380.49			381.01	384.81	390.81
195	379.83			379.55	383.85	389.47
196	379.49			379.42	383.74	387.57
197	378.93			378.43	382.23	386.23
198	378.20			377.66	381.49	385.56
199	377.69			377.17	381.17	384.22
200	377.44			377.44	381.74	383.52
201	377.05			377.05	381.95	383.22
202	376.70			376.22	381.02	384.56
203	376.47			376.24	381.54	385.23
204	376.11			376.41	380.21	386.67
205	377.31			377.85	381.45	387.24
206	378.80			379.08	382.88	386.86
207	379.78			380.06	383.86	389.53
208	380.82			381.10	384.90	390.20
209	381.75			382.04	385.84	391.54
210	382.98			383.25	387.06	392.21
211	381.20			381.80	386.60	389.35
212	380.78			381.30	385.10	389.35
213	380.48			381.00	384.80	389.35
214	379.90			380.42	384.22	390.02
215	378.57			380.09	383.59	390.02
216	378.55			379.55	383.35	390.02
217	377.76			378.28	382.08	389.48
218	376.99			377.51	381.31	389.48
219	376.57			377.09	380.89	388.91
220	376.78			376.30	380.10	388.14
221	376.47			376.99	379.79	386.80
222	376.19			376.19	378.99	385.86
223	374.94			375.22	379.02	385.96
224	375.29			375.57	379.37	386.63
225	376.90			376.18	379.98	387.30
226	376.42			376.70	380.50	387.97
227	376.73			377.01	380.81	386.64
228	377.71			377.99	381.79	389.31
229	378.17			378.43	383.23	389.79
230	378.77			380.05	383.85	389.12
231	380.06			380.34	384.14	389.12
232	380.62			380.90	384.70	389.12
233	380.94			381.22	385.02	389.12
234	381.20			381.52	385.32	388.45
235	382.36			382.96	386.76	394.32
236	381.87			382.49	386.29	394.32
237	381.62			382.24	386.04	394.32
238	381.01			381.63	385.43	394.32
239	380.57			381.21	385.01	394.32
240	380.19			380.85	384.65	394.32
241	378.52			379.16	382.96	392.93
242	377.98			378.62	382.42	392.93
243	377.45			378.09	381.87	392.47
244	376.91			377.55	381.35	391.80
245	376.35			376.99	380.79	391.13
246	376.85			376.49	380.29	390.46
247	376.28			375.92	379.72	389.79
248	374.35			374.35	378.77	389.13
249	374.90			374.54	378.34	388.46
250	373.28			373.28	377.72	387.79
251	372.74			373.38	377.18	386.45
252	372.21			372.85	376.65	386.78
253	371.49			372.13	375.93	385.11
254	371.17			371.81	375.61	384.44
255	371.33			371.73	375.53	384.91
256	372.21			372.21	376.01	385.58
257	372.40			372.80	376.60	386.25
258	372.99			373.39	377.19	386.92
259	373.74			374.14	377.94	387.59
260	374.70			375.10	378.90	389.20
261	375.02			375.42	379.22	389.87
262	375.74			376.14	379.94	390.54
263	376.49			376.89	380.69	391.21
264	377.07			377.47	381.27	391.88
265	381.67			382.09	385.89	393.59
266	381.74			382.20	386.00	393.59
267	382.26			382.74	386.54	393.59
268	382.06			383.06	386.86	393.59
269	383.01			383.45	387.25	393.59

All SHC's are at a 2.0% unless otherwise noted.

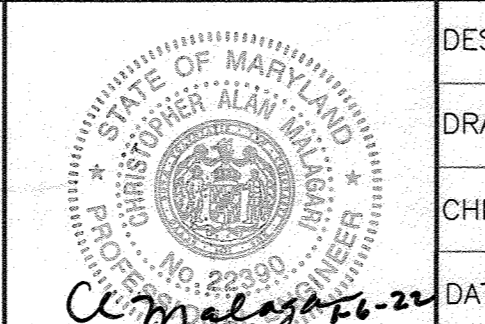
OWNER: ESC WELLINGTON, L.C.
5074 DORSEY HALL DRIVE, SUITE 205
ELLICOTT CITY, MARYLAND 21042
410-720-3021

DEVELOPER: ESC WELLINGTON, L.C.
5074 DORSEY HALL DRIVE, SUITE 205
ELLICOTT CITY, MARYLAND 21042
410-720-3021

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: 6-30-2023.



BENCHMARK
ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE & SUITE 315 • ELLICOTT CITY, MARYLAND 21043
(P) 410-465-6105 (F) 410-465-0644
WWW.BE-CVLEENGINEERING.COM



DESIGN: LDD			
DRAFT: LDD			
CHK: DBT	WRA 2 AS BUILT	7/19/23	
DATE: 12.27.2021	BEI 1 DELETE DEEP SHC'S FOR LOTS 240-264	10.31.22	
	REVISE SHC INFOR FOR LOTS 190-204, ELIMINATE DEEP		
	IN 94410		
BY NO.	REVISIONS	DATE	

PUBLIC WATER AND SEWER PROFILES

600 SCALE MAP #XX BLOCK: ---

WELLINGTON FARMS
PHASE 1 SECTION 3
Lots 144 thru 269; Open Space Lots 270 thru 275; Non-Buildable Bulk Parcels 'F'

TAX MAP: 45 GRID: 6 PARCEL: 163
ZONE: R-20-WKD-3 / R-SC-WKD-3
ELECTION DISTRICT NO. 6 - HOWARD COUNTY, MARYLAND

CONTRACT NO. 24-5138-D

SCALE: AS SHOWN

SHEET NO. 10 OF 10