

QUANTITIES				
ITEM	ESTIMATED	QUANTITIES	AS-BUILT	SUPPLIER
6" PVC C900 PWC DR-14	902 L.F.			
6" PVC C900 PWC DR-14	42 L.F.			
1-1/2" MHC	560 L.F.			
OUTSIDE METER SETTING	17 EACH			
1/8" H.B.	1 EACH			
1/16" H.B.	2 EACH			
3" H.D.C.	1 EACH			
6" TAPPING SLEEVE	1 EACH			
6" TAPPING VALVE	1 EACH			
6" F.H. TEE	2 EACH			
6" VALVE	2 EACH			
6" VALVE	2 EACH			
6" PLUG & BUTTRESS	1 EACH			
FIRE HYDRANT	2 EACH			
CONTINUITY TEST STATION	2 EACH			
6" PVC SDR-35	690 L.F.			
6" PVC SDR-35	526 L.F.			
6" CL 54 D.I.P.	400 L.F.			
MANHOLES	9 EACH			
CLEAN OUTS	17 EACH			

BENCHMARK INFORMATION
 B.M.#1 - HOWARD COUNTY CONTROL STATION #39AA - HORIZONTAL - N/A'83
 (LOCATED ALONG THE EAST SIDE OF ROUTE 1; WASHINGTON BOULEVARD NEAR THE INTERSECTION OF MONTGOMERY ROAD, WHERE THE SHELL STATION IS LOCATED. APPROX. 5.3' SOUTH OF POWER POLE #334790)
 N 561,156.815
 E 1,399,726.426
 ELEVATION = 220.036 - VERTICAL - (NAVD '80)

B.M.#2 - HOWARD COUNTY CONTROL STATION #39BA - HORIZONTAL - NAD '83
 (LOCATED ALONG THE WEST SIDE OF ROUTE 1; WASHINGTON BOULEVARD NEAR THE INTERSECTION OF MONTGOMERY ROAD, APPROX. 9.5' OFF PAVING AND 61.7' NORTH OF EX. FIRE HYDRANT)
 N 562,553.314
 E 1,390,967.956
 ELEVATION = 166.174 - VERTICAL - (NAVD '80)

PRIVATE WELL & PRIVATE SEPTIC SYSTEM CHART				
PARCEL NO.	ADDRESS	OWNER	ABANDON WELL	ABANDON SEPTIC
13	5819 LAWYERS HILL ROAD	EDMUND POLLARD & JOYCE ADDOCK	YES	YES

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

DEVELOPER'S CERTIFICATION
 I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT THE DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

Signature of Developer: *Edmund Pollard & Joyce Addock* DATE: 9/13/23

ENGINEER'S CERTIFICATION
 I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

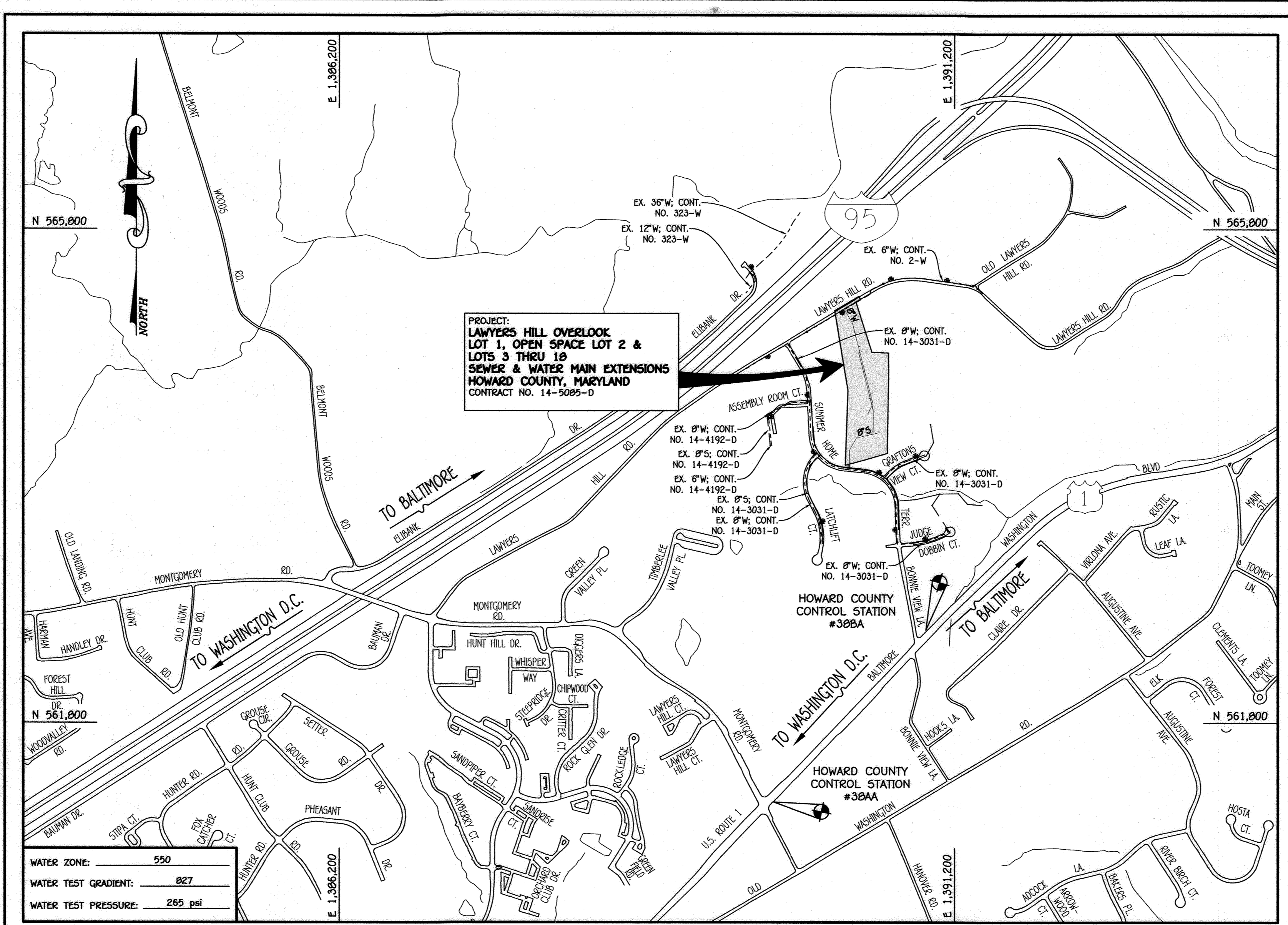
Signature of Engineer: *Alexander Butcher* DATE: Sep 13, 2023

Signature of Developer: *Edmund Pollard & Joyce Addock* DATE: 9/13/23

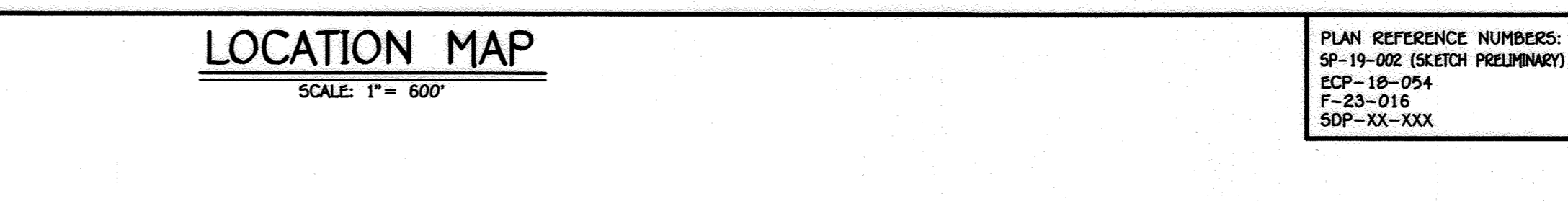
F-23-016

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

Signature of Developer: *Alexander Butcher* DATE: 09/27/23



TYPE OF BUILDING:	RESIDENTIAL: SINGLE FAMILY DETACHED
NUMBER OF LOTS:	17
NO. OF WATER HOUSE CONNECTIONS:	17
NO. OF SEWER HOUSE CONNECTIONS:	17
SEWER SHED:	PATAPSCO
TREATMENT PLANT:	PATAPSCO WASTEWATER TREATMENT PLANT BALTIMORE, MARYLAND



CONTRACT NO. 14-5085-D

LAWYERS HILL OVERLOOK

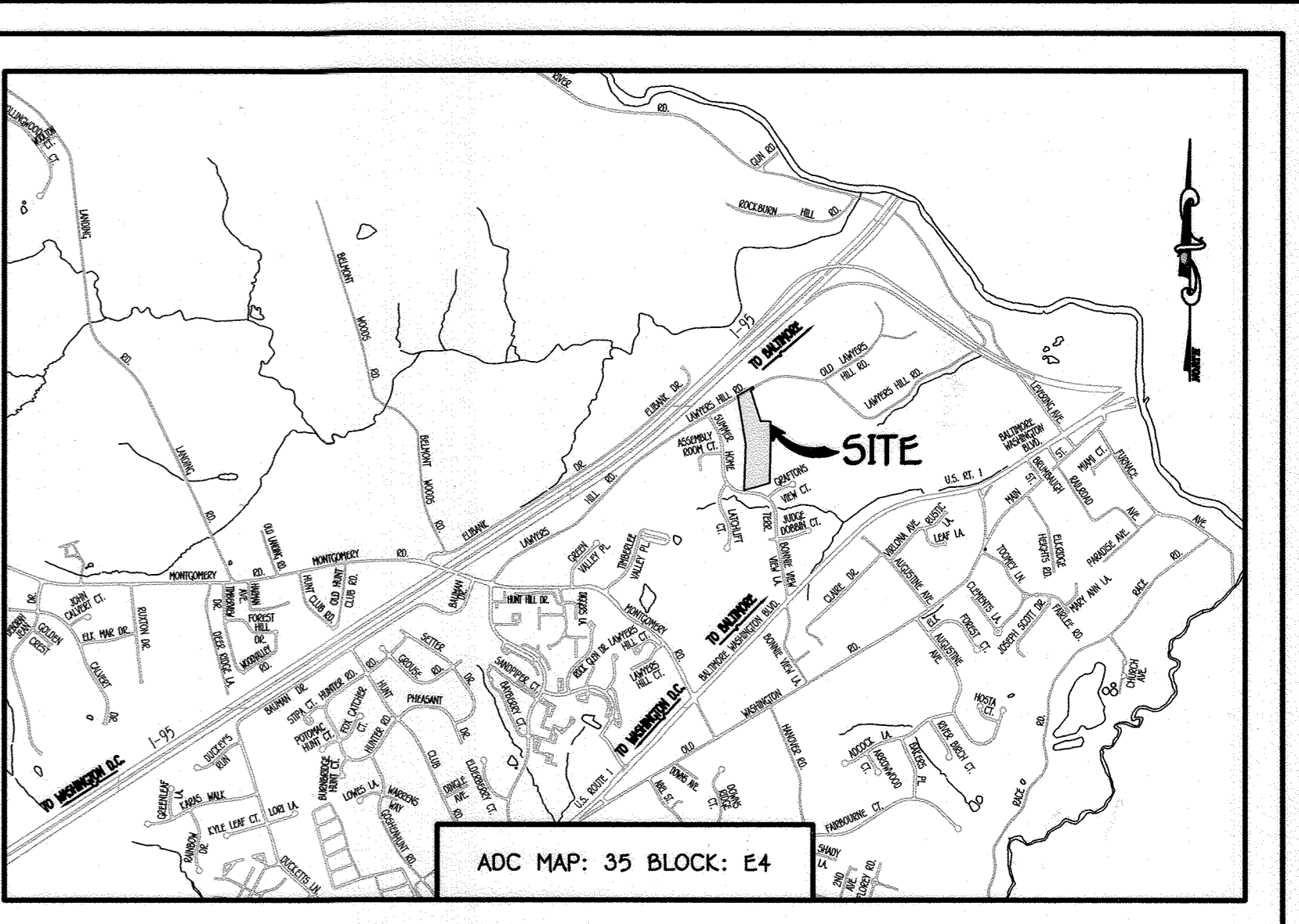
LOT 1, OPEN SPACE LOT 2 & LOTS 3 THRU 18

SEWER & WATER MAIN EXTENSIONS

HOWARD COUNTY, MARYLAND

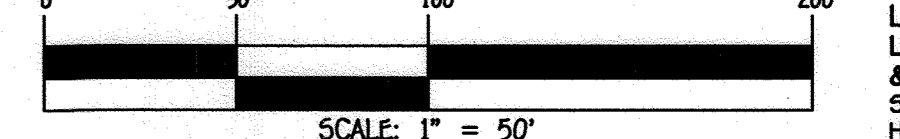
OWNER
 EDMUND M. POLLARD & JOYCE
 ADDOCK 6349 BASKET
 SWITCH ROAD NEWARK,
 MARYLAND 21041

DEVELOPER
 LAWYERS HILL OVERLOOK
 PARTNERSHIP, LLC
 8318 FOREST STREET - SUITE 200
 ELLICOTT CITY, MD 21043
 443-992-4600



GENERAL NOTES

- PART A:**
- APPROXIMATE LOCATIONS OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
 - TOPOGRAPHIC FIELD SURVEYS WERE PERFORMED ON OR ABOUT MARCH, 2018 BY FISHER, COLLINS & CARTER, INC.
 - HORIZONTAL AND VERTICAL SURVEY CONTROLS
 THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD '83/91' AS PROJECTED BY HOWARD COUNTY GEODETIC STATIONS NO. 39AA & NO. 39BA.
 VERTICAL CONTROLS ARE BASED ON NAVD '83 VERTICAL CONTROLS PROVIDED ON THE DRAWINGS.
 - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
 - PLEASE ALL UTILITIES BY A MINIMUM OF 12 INCHES CLEAR-ALL POLES BY 4'-0" MINIMUM OR TUNNEL AS REQUIRED UNLESS OTHERWISE NOTED. THE OWNER HAS CONTACTED THE UTILITY COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR THE BRACING OF THE ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONIES OWED TO THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
 - FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST EDITION). THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB SITE.
 - WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL 'X' 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 1-800-292-1133
 BGE (CONTRACTOR SERVICES) 410-637-8713
 BGE (EMERGENCY) 410-685-0123
 BUREAU OF UTILITIES 410-313-4900
 COLONIAL PIPELINE CO 410-795-1500
 MISS UTILITY 1-800-257-7777
 STATE HIGHWAY ADMINISTRATION 410-531-2533
 VERGENNES 1-800-776-0833 / 410-224-9210
 - TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
 - CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG THE LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE CONSTRUCTION OF THE MAIN.
 - THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAY ADMINISTRATION 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.
- PART B: WATER MAIN GENERAL NOTES**
- ALL WATER MAINS SHALL BE AMCA C900 PWC DR-14.
 - 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 D.I.P. AND PVC WATER MAINS IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL.
 - FOR PVC WATER MAINS, ALL RECORDS FOR THE QUALITY CONTROL AND QUALIFICATION TEST REQUIREMENTS NOTED IN SECTION 5.11 OF THE AMCA STANDARD C900 FOR PVC PRESSURE PIPE SHALL BE SUBMITTED WITH THE PIPE MATERIAL CERTIFICATIONS OR SHOP DRAWINGS PRIOR TO APPROVAL OF THE MATERIAL FOR USE. THE TEST RECORDS SHALL BE FOR THE PIPE TO BE INSTALLED UNDER THIS CONTRACT. ALL PVC PIPE SHALL CONTAIN MARKINGS TO ALLOW CROSS REFERENCING OF THE PIPE SUPPLIED TO THE TEST RECORDS RECEIVED.
 - UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS, SEVENTEEN (17) POUND SACRIFICIAL ANODES SHALL BE INSTALLED ON ALL VALVES AND METALLIC FITTINGS USED WITH PVC WATER MAINS IN ACCORDANCE WITH VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. MAGNESIUM ANODES SHALL BE INSTALLED ON ALL VALVES AND DUCTILE IRON FITTINGS INCLUDING RESTRAINTS AND HARNESSES. 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, UNLESS HIGH DEFLECTION COUPLINGS OR 5-DEGREE SWEEPS ARE PERMITTED. THE CONTRACTOR SHALL PROVIDE ONE FULL PIPE LENGTH (20 FOOT LONG) ON EITHER SIDE OF THE HIGH DEFLECTION COUPLING OR 5-DEGREE SWEEP, TAKING CARE NOT TO USE COMPACTOR EQUIPMENT DIRECTLY OVER THE FITTING.
 - PVC HIGH DEFLECTION COUPLINGS SHALL BE LIMITED TO A TOTAL OF 3-DEGREES (1-DEGREE ON EITHER END OF THE COUPLING). SHALL BE RATED FOR A MINIMUM 200 PSI MEETING THE REQUIREMENTS OF AMCA C900. SHALL HAVE A MINIMUM LAH LENGTH OF 9-INCHES AND SHALL HAVE CENTER STOPS. PVC HIGH DEFLECTION COUPLINGS SHALL BE CERTAINTED PVC HIGH DEFLECTION (HD) STOP COUPLINGS OR EQUAL.
 - FIVE DEGREE SWEEPS SHALL BE BELL BY SPIGOT, RATED FOR A MINIMUM 225 PSI, DR-18 MEETING THE REQUIREMENTS OF AMCA C900 AND SHALL BE MULTI FITTINGS (PEX) BLUE BRUTE DR-18 OR EQUAL.
 - WHEN PVC HIGH DEFLECTION COUPLINGS OR PVC 5-DEGREE SWEEPS ARE USED TO FACILITATE CHANGES IN HORIZONTAL OR VERTICAL ALIGNMENTS OF AMCA C900 PVC PIPELINES, THE CONTRACTOR SHALL INSERT DEVICES FOR THE PREVENTION OF OVER-INSERTION OF THE PVC PIPE SPIGOTS OR PLAIN ENDS INTO THE PUSH ON BELL JOINT ON BOTH SIDES OF THE HIGH DEFLECTION COUPLINGS AND 5-DEGREE SWEEPS. BELL STOPS SHALL BE PLACED AT THE PROPER INSERTION LINE FOR THE FITTING. THE BELL STOP SHALL BE MANUFACTURED OF DUCTILE IRON AND INCORPORATE AN EXPANSION GETTING SPRING TO ALLOW FOR PIPE EXPANSION AND CONTRACTION. THE BELL STOPS SHALL BE SERIES 5000 MEGA-SWAG, AS MANUFACTURED BY EBAA IRON, INC. OR APPROVED EQUAL.
 - TO ACCOMMODATE A SPRINKLER SYSTEM, ALL RESIDENTIAL DWELLING UNITS SHALL HAVE A 1-1/2" WATER HOUSE CONNECTION WITH A 1" OUTSIDE METER SETTING STD. DET. W-326.
- PART C: SEWER MAIN GENERAL NOTES**
- 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 12" AND 18" WALLS ARE FOR BRICK MANHOLES 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 G5.82. 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.



DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Signature: *Edmund Pollard & Joyce Addock* DATE: 9/25/2023
 CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND
 Signature: *Chad Plender* DATE: 10-2-23
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NO. 27020 EXPIRATION DATE IS 1/25/24.

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SERVICE OFFICE, P.O. BOX 10222 BALTIMORE NATIONAL PIKE
 ELICOTT CITY, MARYLAND 21042
 (410) 461-2222



DESIGNED BY:	J.N.G.
DRAWN BY:	J.N.G.
CHECKED BY:	P.W.K.
DATE:	SEPTEMBER, 2023
BY NO.	
REVISION	

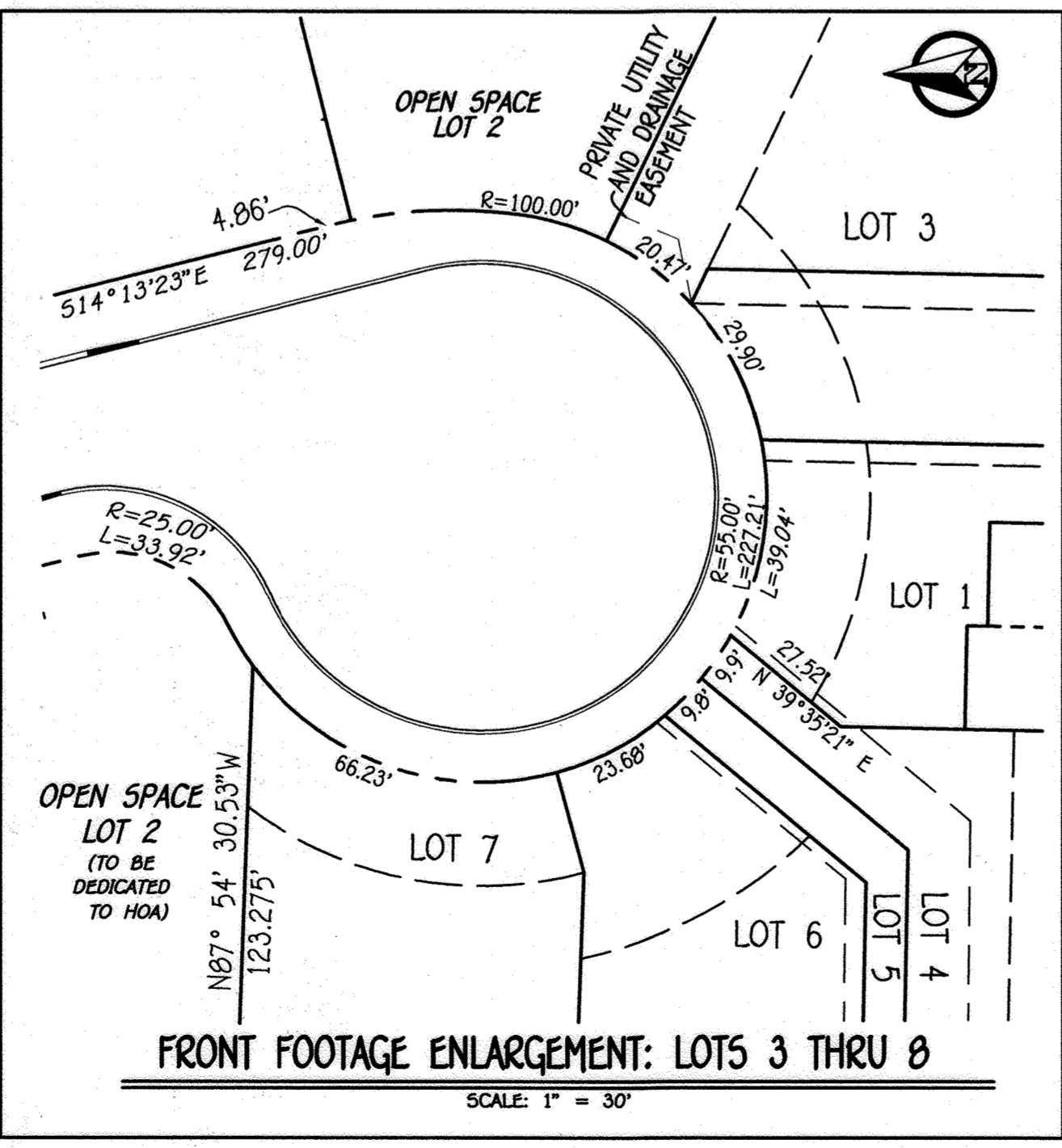
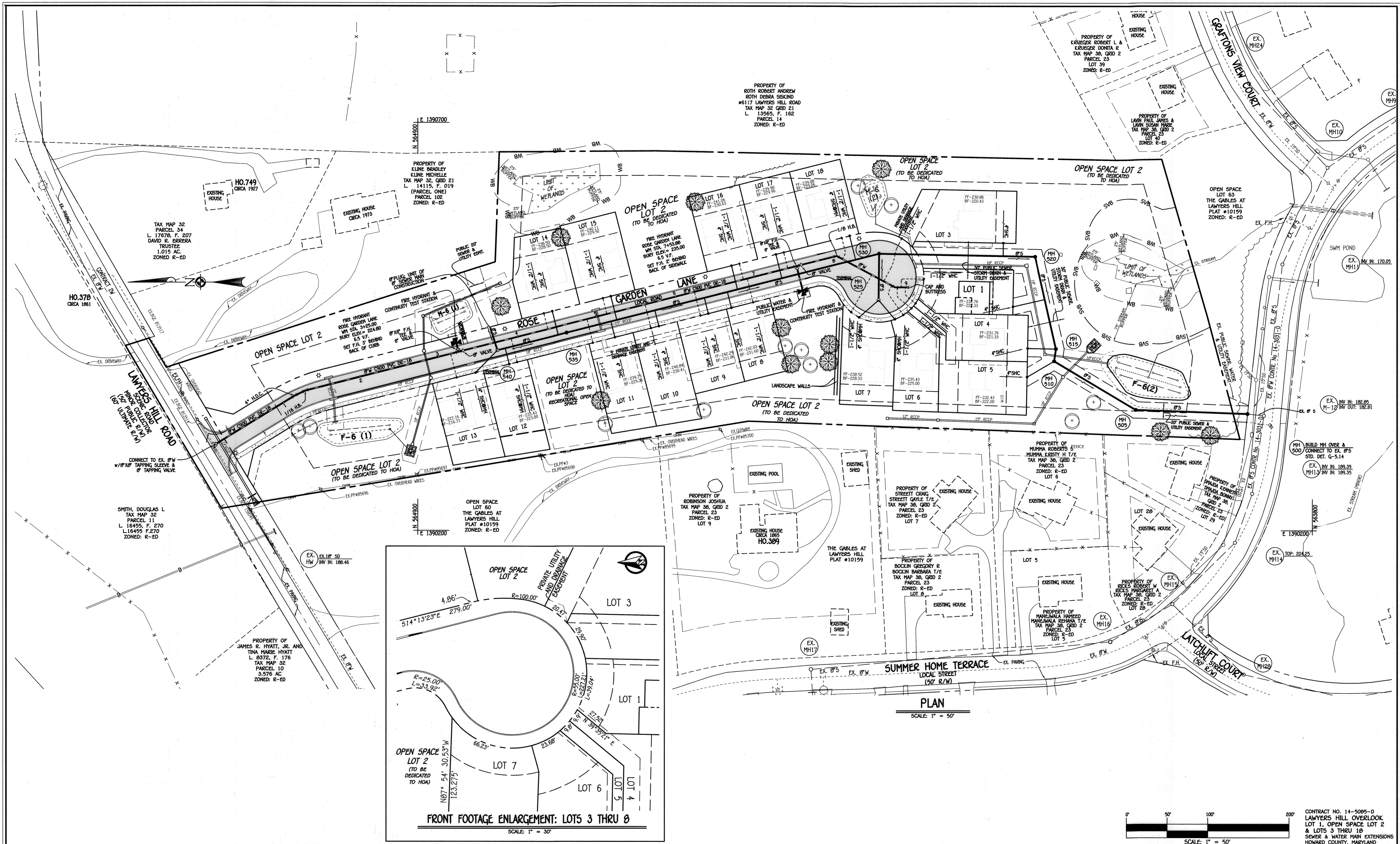
SEWER & WATER MAIN EXTENSIONS
 TITLE SHEET

600' SCALE MAP NO. 32 BLOCK NO. 20
 F.C.C. WORK ORDER NO. 18007-3001

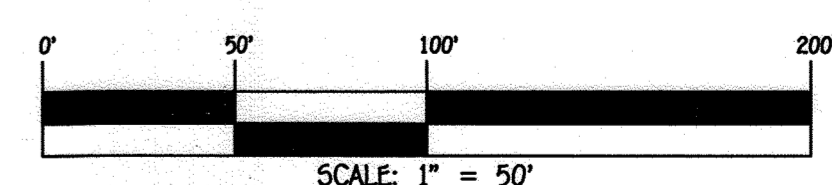
FILE NAME: SEWER & WATER MAIN EXTENSIONS PLAN

LAWYERS HILL OVERLOOK
 LOT 1, OPEN SPACE LOT 2 & LOTS 3 THRU 18
 SEWER & WATER MAIN EXTENSIONS
 CONTRACT NO. 14-5085-D
 FIRST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 1 OF 4



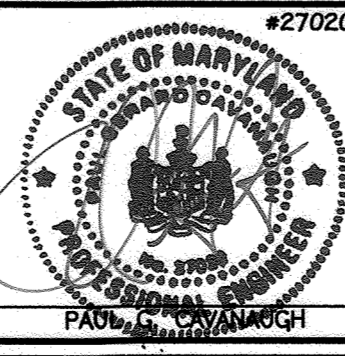
PLAN
SCALE: 1" = 50'



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DATE: 9/25/2023
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
DATE: 10-2-23
CHIEF, DEVELOPMENT ENGINEERING DIVISION

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SERVICE OFFICE: 1072 BALDWIN NATIONAL PIKE
ELICOTT CITY, MARYLAND 21042
(410) 461-2295



DESIGNED BY:	J.N.G.
DRAWN BY:	J.N.G.
CHECKED BY:	P.W.K.
DATE:	SEPTEMBER, 2023
BY NO.	
REVISION	
DATE	

SEWER & WATER MAIN
EXTENSIONS; PLAN &
FRONT FOOTAGE ENLARGEMENT
600' SCALE MAP NO. 32 BLOCK NO. 20
F.C.C. WORK ORDER NO. 18007-3001
FILE NAME: SEWER & WATER MAIN EXTENSIONS PLAN

LAWYERS HILL OVERLOOK
LOT 1, OPEN SPACE LOT 2 & LOTS 3 THRU 18
SEWER & WATER MAIN EXTENSIONS
CONTRACT NO. 14-5085-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 2 OF 4

CONTRACT NO. 14-5085-D
LAWYERS HILL OVERLOOK
LOT 1, OPEN SPACE LOT 2
& LOTS 3 THRU 18
SEWER & WATER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

MANHOLE TABULATION CHART

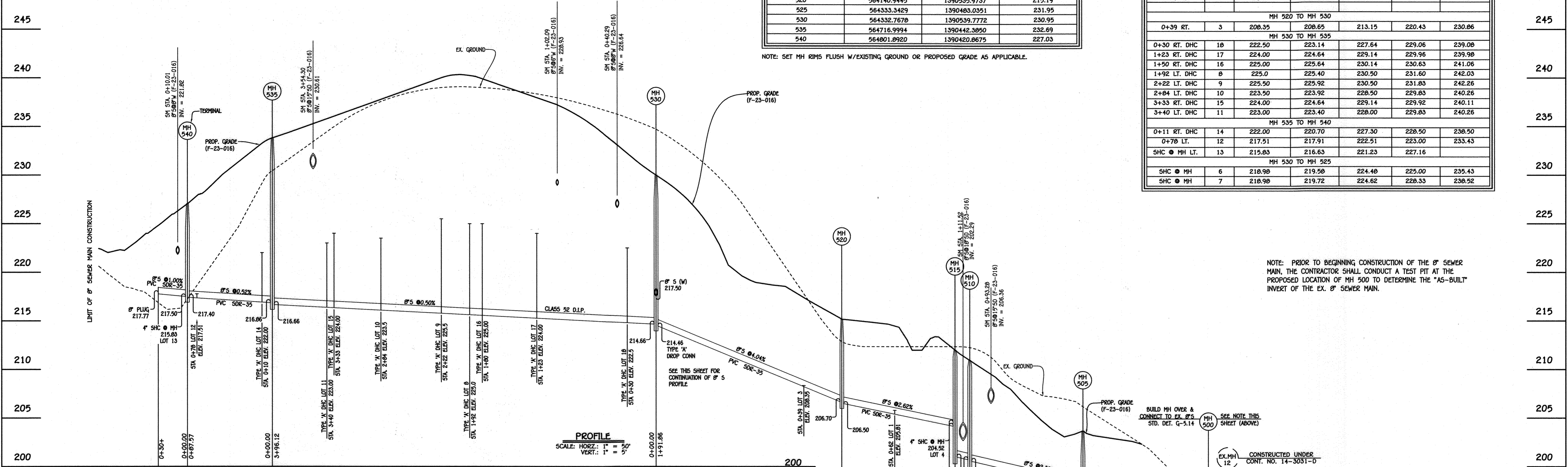
NO.	NORTHING	EASTING	RIM ELEVATION
500	563879.5470	1390343.2186	197.49
505	564016.9610	1390348.2370	203.92
510	564117.3793	1390407.9390	210.97
515	564115.2090	1390422.9508	212.03
520	564140.9445	1390535.9737	215.19
525	564333.3429	1390483.0351	231.95
530	564332.7678	1390539.7772	230.95
535	564716.9994	1390442.3850	232.69
540	564801.8920	1390420.8675	227.03

SEWER HOUSE CONNECTION CHART

STATION	LOT	ELEVATION AT MAN	ELEVATION AT R/W	M.C.E.	B.E.	F.F.
MH 510 TO MH 515						
SHC @ MH	5	200.91	201.67	206.24	222.00	232.43
MH 515 TO MH 520						
SHC @ MH	4	204.52	209.22	209.01	221.33	231.76
O+67 LT.	1	205.81	206.61	211.11	222.33	232.76
MH 520 TO MH 530						
O+39 RT.	3	208.35	208.65	213.15	220.43	230.86
MH 530 TO MH 535						
O+30 RT. DHC	18	222.50	223.14	227.64	229.06	239.08
1+23 RT. DHC	17	224.00	224.64	229.14	229.96	239.98
1+50 RT. DHC	16	225.00	225.64	230.14	230.63	241.06
1+92 LT. DHC	8	225.00	225.40	230.50	231.60	242.03
2+22 LT. DHC	9	225.50	225.92	230.50	231.83	242.26
2+84 LT. DHC	10	223.50	223.92	228.50	229.83	240.26
3+33 RT. DHC	15	224.00	224.64	229.14	229.92	240.11
3+40 LT. DHC	11	223.00	223.40	228.00	229.83	240.26
MH 535 TO MH 540						
O+11 RT. DHC	14	222.00	220.70	227.30	228.50	238.50
O+78 LT.	12	217.51	217.91	222.51	223.00	233.43
SHC @ MH LT.	13	215.83	216.63	221.23	227.16	
MH 530 TO MH 525						
SHC @ MH	6	218.98	219.58	224.48	225.00	235.43
SHC @ MH	7	218.98	219.72	224.62	228.33	238.52

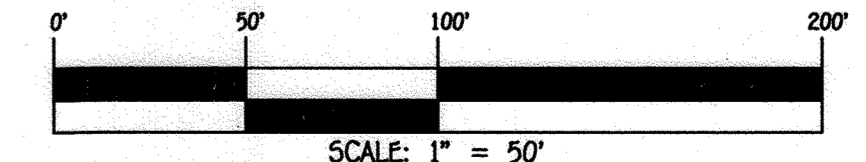
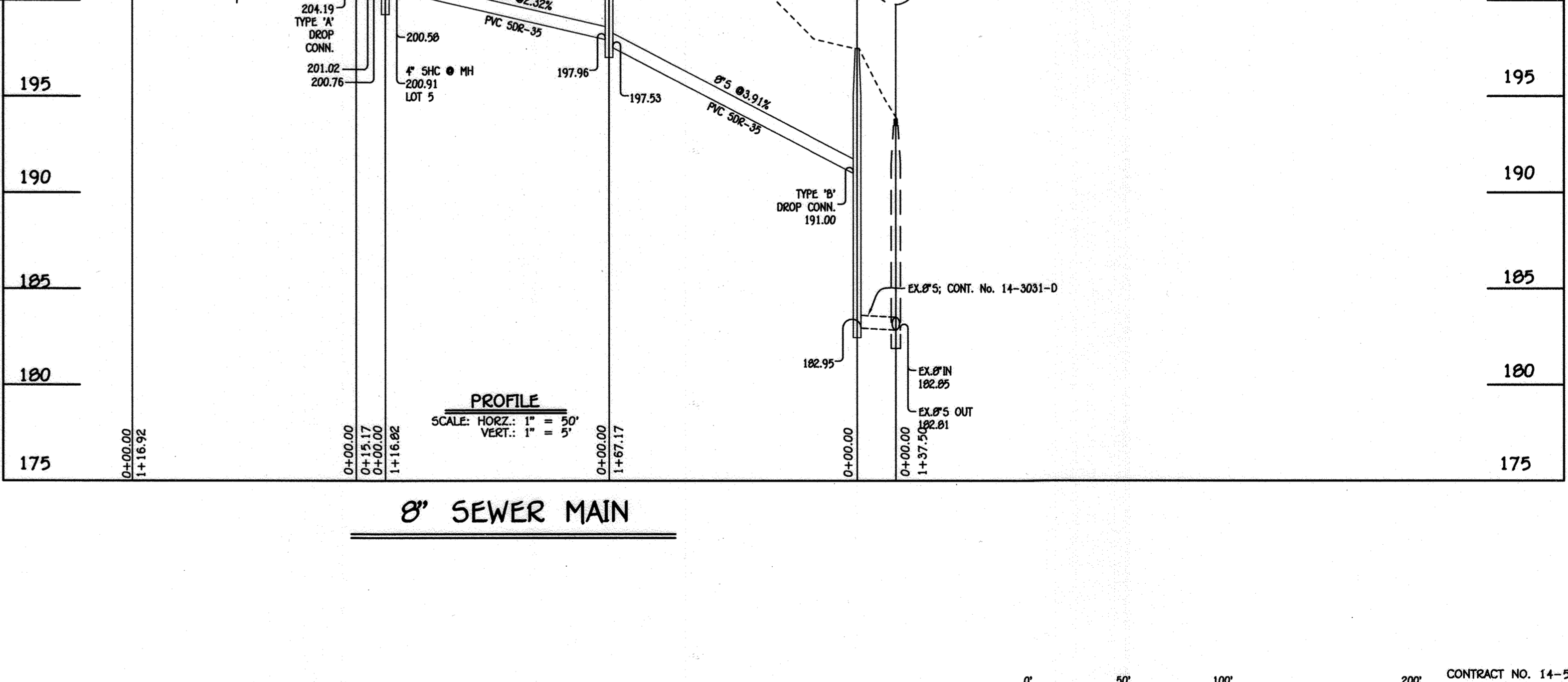
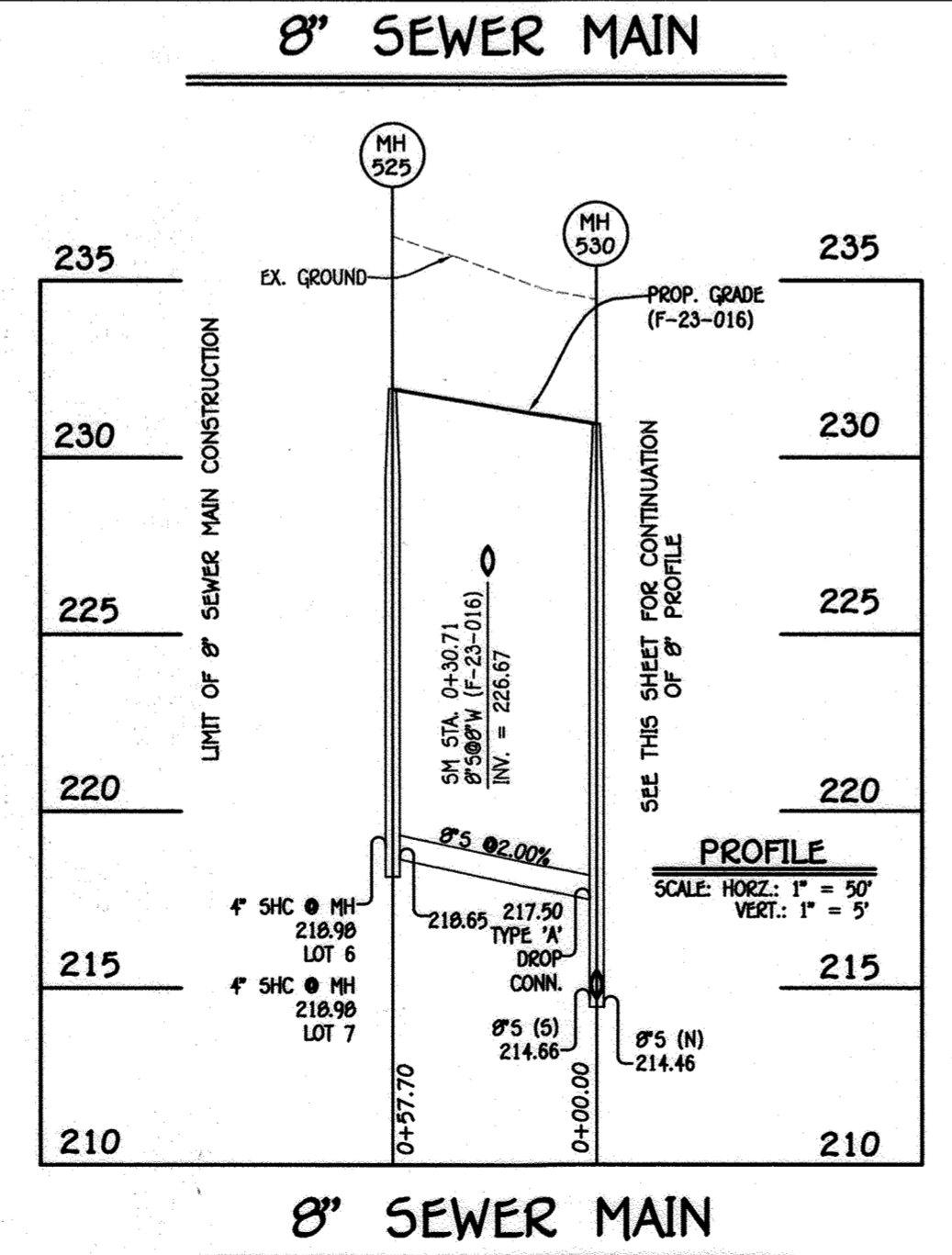
NOTE: SET MH RIMS FLUSH W/EXISTING GROUND OR PROPOSED GRADE AS APPLICABLE.

NOTE: PRIOR TO BEGINNING CONSTRUCTION OF THE 8" SEWER MAIN, THE CONTRACTOR SHALL CONDUCT A TEST PIT AT THE PROPOSED LOCATION OF MH 500 TO DETERMINE THE "AS-BUILT" INVERT OF THE EX. 8" SEWER MAIN.

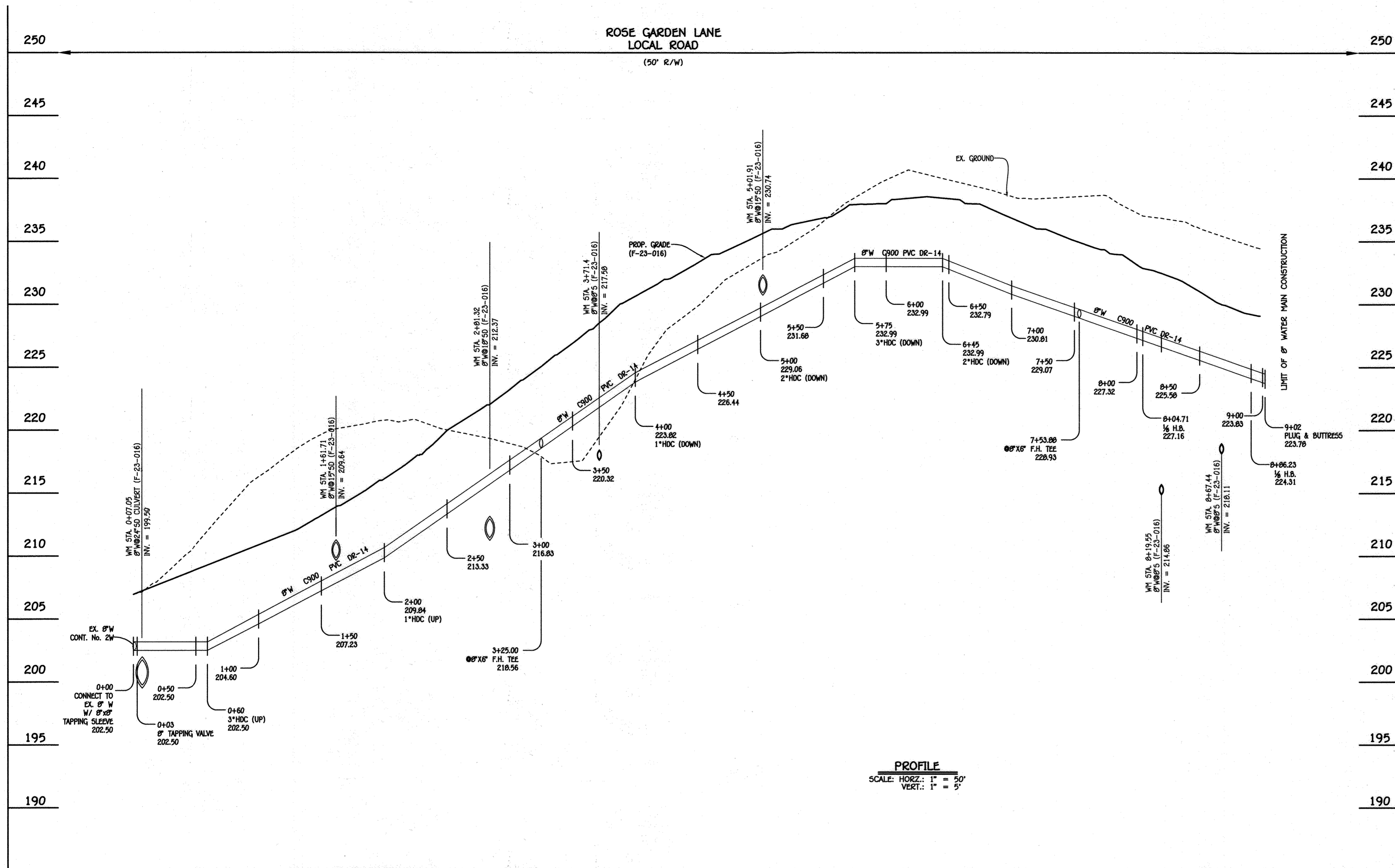


SEWER HOUSE CONNECTION AS-BUILT LOCATION TABLE

LOT NUMBER	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
1			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			



CONTRACT NO. 14-5085-D
 LAWYERS HILL OVERLOOK
 LOT 1, OPEN SPACE LOT 2
 & LOTS 3 THRU 18
 SEWER & WATER MAIN EXTENSIONS
 HOWARD COUNTY, MARYLAND

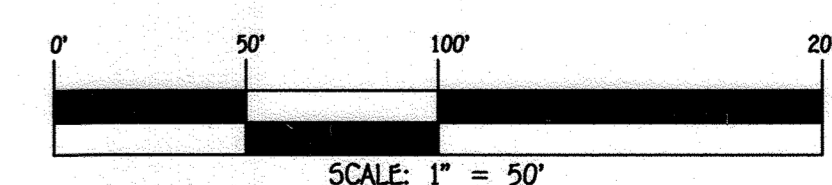


8" WATER MAIN

WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN ROSE GARDEN LANE			
0+00.00	8" x 8" TAPPING SLEEVE	565150.3656	1390304.2069
0+03.00	8" TAPPING VALVE	565147.8156	1390305.7716
0+60.00	3" HDC (UP)	565099.2331	1390335.5834
1+15.91	3" H.D.C.	565051.5765	1390364.8269
1+30.76	1/16 H.B.	565038.2065	1390371.2855
2+00.00	1" HDC (UP)	564971.0908	1390388.2972
3+25.00	8" x 8" F.H. TEE	564849.9225	1390419.0095
4+00.00	1" HDC (DOWN)	564777.2215	1390437.4368
5+00.00	2" HDC (DOWN)	564680.2869	1390462.0066
5+75.00	3" HDC (DOWN)	564607.5859	1390480.4340
6+45.00	2" HDC (DOWN)	564539.7317	1390497.6329
7+53.87	8" x 8" F.H. TEE	564434.1913	1390524.3840
8+04.71	1/8 H.B.	564384.9187	1390536.8730
8+86.23	1/8 H.B.	564313.0256	1390498.4288
9+01.23	8" PLUG & BUTTRESS	564298.0229	1390498.4288

WATER HOUSE CONNECTION A5-BUILT LOCATION TABLE			
LOT NUMBER	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
1			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			

PROFILE
SCALE: HORIZ. 1" = 50'
VERT. 1" = 5'



CONTRACT NO. 14-5085-D
LAWYERS HILL OVERLOOK
LOT 1, OPEN SPACE LOT 2
& LOTS 3 THRU 18
SEWER & WATER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND CHIEF, BUREAU OF UTILITIES	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND CHIEF, DEVELOPMENT ENGINEERING DIVISION	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 27020 EXPIRATION DATE IS 1/23/24. PAUL J. N.G.	DESIGNED BY : J.N.G. DRAWN BY : J.N.G. CHECKED BY : P.W.K. DATE : SEPTEMBER, 2023	WATER MAIN EXTENSION PROFILE, CHART, & TABLE 60' SCALE MAP NO. 32 BLOCK NO. 20 F.C.C. WORK ORDER NO. 18007-3001 FILE NAME : SEWER & WATER MAIN EXTENSIONS PLAN	LAWYERS HILL OVERLOOK LOT 1, OPEN SPACE LOT 2 & LOTS 3 THRU 18 SEWER & WATER MAIN EXTENSIONS CONTRACT NO. 14-5085-D FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE AS SHOWN SHEET 4 OF 4
			DATE: 9/25/2023	DATE: 10-2-23	DATE: SEPTEMBER, 2023	DATE: