BENCHMARK INFORMATION

B.M.#1 - HOWARD COUNTY CONTROL STATION #42FA - HORIZONTAL - NAD'63) (LOCATED ALONG GUILFORD RD. WITHIN THE GRASS SPACE BETWEEN LAMBERTH CT. & STIRLING BRIDGE. APPROX. 63' EAST OF G&E POLE 460030) N 544412.796

E 1362179.428 ELEVATION = 341.82 - VERTICAL - (NAVD '80)

B.M.#2 - HOWARD COUNTY CONTROL STATION #42EC - HORIZONTAL - (NAD '83) (LOCATED ALONG GUILFORD RD., WEST OF OAKLAND MILLS RD., APPROX. 21' EAST OF G&E POLE #544040) N 545416.990

E 1360140.442 ELEVATION = 365.363 - VERTICAL - (NAVD '88)

### DEVELOPER'S CERTIFICATION

" I/WE 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."

Paul W. Keichel; FOR: GLEN OAKS DEVELOPMENT COMPANY, LLC 05-19-21

# 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

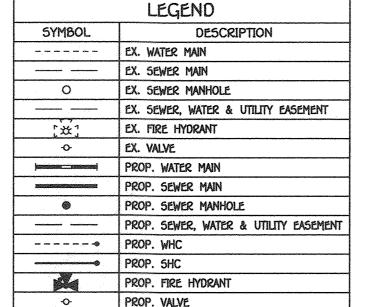
SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE HOWARD COUNTY DESIGN MANUAL - VOLUME IV: STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION AND AS SHOWN ON THE PUBLIC ROAD PLAN; F-21-017 Paul W. Kniedel; FOR:

GLEN OAKS DEVELOPMENT COMPANY, LLC 05-19-21

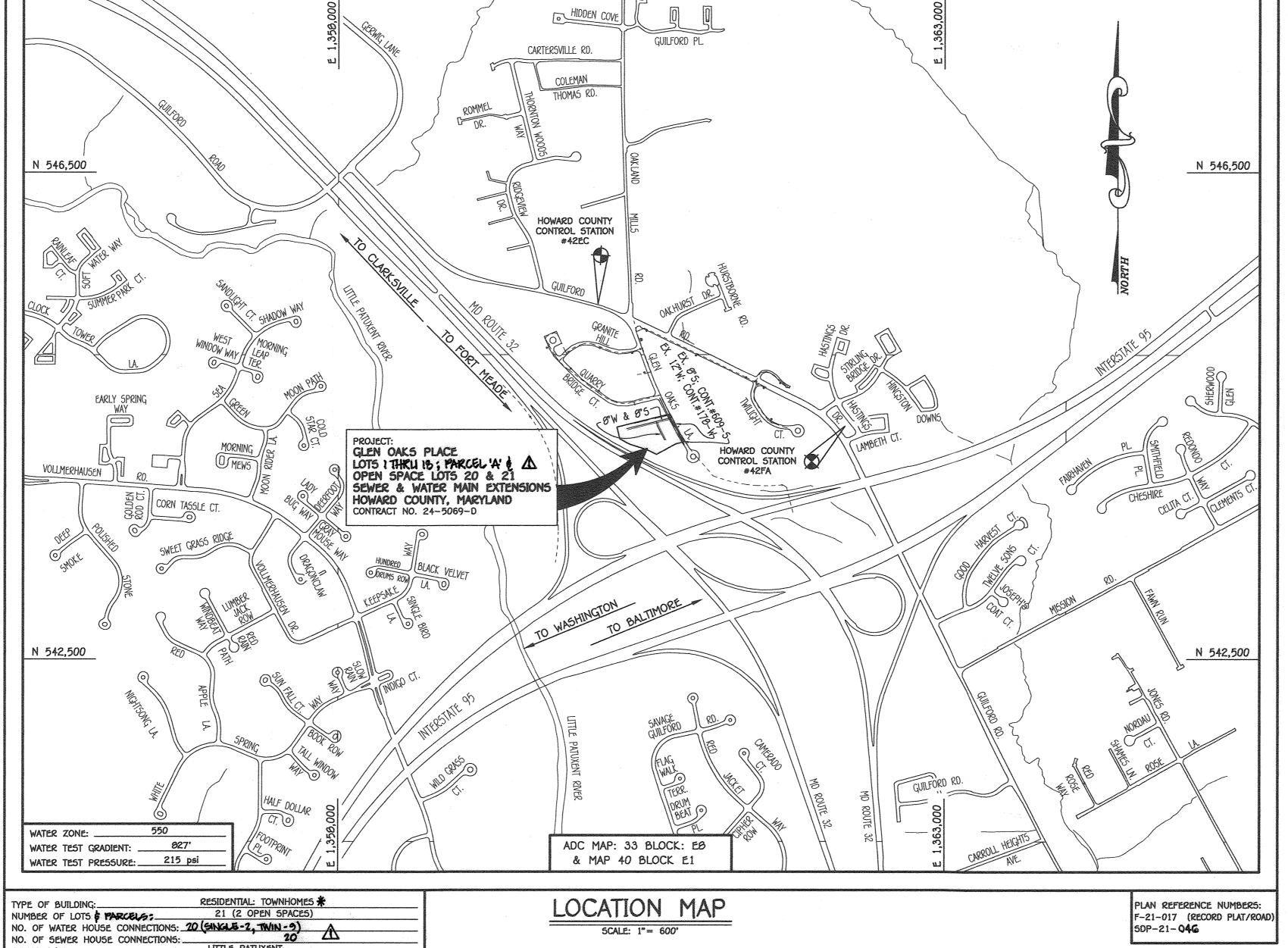
F-21-017

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

06/07/21



SLAB ON GRADE LINITS WITH NO BASEMENTS



\* THE PROPOSED RESIDENTIAL TONNIHOUSES WILL BE

LITTLE PATUXENT WATER RECLAMATION PLANT

SAVAGE, MARYLAND

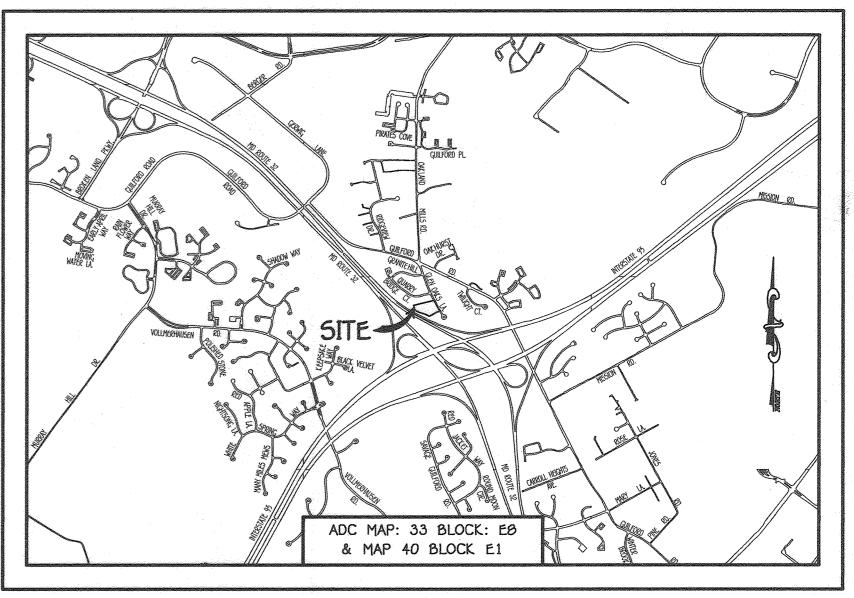
MAIVER NOTE : DMV2-22-021

BY LETTER DATED APRIL 4, 2022, MR. DANIAL DAVIS, CHIEF, LITLITY DESIGN DIVISION, APPROVED WAIVER (MV-22-021); ALLOWING THE INSTALLATION OF DECKS ON THE TOWNHOUSES OF LOTS LITHRUG WHICH WOULD ENCROACH A MAXIMUM OF THREE (3) FLET INTO THE 10 FOOT STRUCTURE SETBACK FROM THE ADJACENT 32 FOOT WIDE RUBLIC GENER, WATER & UTILITY EXSEMENT.

# CONTRACT NO. 24-5069-D GLEN OAKS PLACE LOTS 1 THRU 18; PARCEL 'A' & OPEN SPACE LOTS 20 &

SEWER & WATER MAIN EXTENSIONS HOWARD COUNTY, MARYLAND

GLEN OAKS DEVELOPMENT COMPANY, LLC



1. 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 OCTOBER, 2010 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 CONTROL STATIONS NO. 42FA & NO. 42EC. ALL VERTICAL CONTROLS ARE BASED ON NAVO '66. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS . ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS

5. 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 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 THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF

6. 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. 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.

8. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

410-313-4900 . . . . . . . . . . . . . . . . 410-795-1390 410-531-5533

9 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.

10. 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.

11. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410)-313-7450 AT LEAST FIVE WORKING DAYS
BEFORE OPEN CULTIFICATION OF THE BUREAU OF HIGHWAYS AND FOR LONG MATTER MAINS OR THE WORKING DAYS
BEFORE OPEN CULTIFICATION OF THE BUREAU OF HIGHWAYS AND FOR LONG MATTER MAINS OR THE HOWARD. 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

1. ALL WATER MAINS SHALL BE AWWA C900 PVC; DR-10.

2. TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" OF COVER UNLESS OTHERWISE NOTED.

3. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.

4. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS UNLESS OTHERWISE 5. 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.

WITH HOWARD COUNTY DESIGN MANUAL.

8. FOR PVC WATER MAINS, ALL RECORDS FOR THE QUALITY CONTROL AND QUALIFICATION TEST REQUIREMENTS NOTED IN SECTION 5.1 OF THE AWAY 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.

9. UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS, SEVENTEEN (17) POUND SACRIFICIAL ANODES SHALL BE INSTALLED ON ALL VALVES AND METALLIC ITTINGS 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 STANLESS STEEL FITTINGS AND SADDLES USED WITH PVC MAINS. ALL TEES" USED WITH PVC MAINS SHALL BE INSTALLED ON ALL STANLESS STEEL FITTINGS AND SADDLES USED WITH PVC MAINS. 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 AFTER ASSEMBLY OF THE SPIGOT INTO THE BELL OF PVC PIPE.

11. ALL CHANGES IN HORIZONTAL OR VERTICAL DIRECTION OF PVC WATER PIPE SHALL BE MADE WITH STANDARD BENDS, 5-DEGREE SWEEPS OR HIGH DEFLECTION (HO) 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 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

PVC HIGH DEFLECTION COUPLINGS SHALL BE LIMITED TO A TOTAL OF 3-DEGREES (1 \( \frac{1}{2}\)-DEGREE ON EITHER END OF THE COUPLING), SHALL BE RATED FOR A MINIMUM 200 PSI MEETING THE REQUIREMENTS OF AWAA C900, SHALL HAVE A MINIMUM LAY LENGTH OF 9-INCHES AND SHALL HAVE CENTER STOPS. PVC HIGH DEFLECTION COUPLINGS SHALL BE CERTAINTEED PVC HIGH DEFLECTION (HD)

FIVE DEGREE SWEEPS SHALL BE BELL BY SPIGOT, RATED FOR A MINIMUM 225 PSI, DR-10 MEETING THE REQUIREMENTS OF AWWA C900 AND SHALL BE MULTI FITTINGS (IPEX) BLUE BRUTE DR-10 OR EQUAL.

12. 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 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 TORS CHAIL BE PLACED AT THE PROPER INSERTION 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.

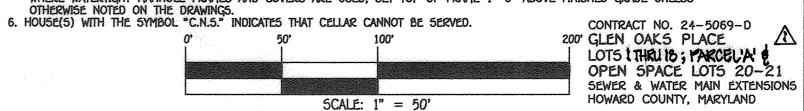
13. TO ACCOMMODATE A SPRINKLER SYSTEM, ALL RESIDENTIAL DWELLING UNITS SHALL HAVE A 1-1/2" WATER HOUSE CONNECTION WITH A
1" OUTSIDE METER SETTING; STD. DET. W-3.28.

PART C: SEWER MAIN GENERAL NOTES

1. ALL SEWER MAINS SHALL BE D.I.P. OR P.V.C. UNLESS OTHERWISE NOTED.

2. ALL MANHOLES SHALL BE 4'-0' INSIDE DIAMETER UNLESS OTHERWISE NOTED.

D. FORCE MAINS SHALL BE D.I.P. ONLY. J. MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY. J. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVER, STANDARD DETAIL G5.52. WHERE WATERTIGHT MANHOLE FRAMES AND COVERS ARE USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS

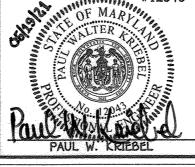


DEPARTMENT OF PUBLIC WORKS

DEPARTMENT OF PLANNING AND ZONING

CHIEF. DEVELOPMENT ENGINEERING DIVISION MC

PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 12043 EXPIRATION DATE IS 7/16/22. FISHER, COLLINS & CARTER, INC. IVIL ENGINEERING CONSULTANTS & LAND SURVEYORS ELLICOTT CITY, MARYLAND 21042 (410) 461 - 2055



#12043	DESIGNED BY : T.C.R.					CEL
EBEL	DRAWN BY : T.C.R.					SEV
	CHECKED BY : P.W.K.	WRA	<u>^</u>	ADDED "QUANTITIES"	5/26/22	60
offin)	DATE :	PCC	M	KEVISE TITLE BLOCK & QUANTITIES TABLE; ADD WAIVER NOTE	5/3/22	
BEL	MAY, 2021	ВУ	NO.	REVISION	DATE	FILE

EWER & WATER MAIN EXTENSIONS TITLE SHEET 600' SCALE MAP NO. 42 BLOCK NO. 17

F.C.C. WORK ORDER NO. 17059-3001

SEWER & WATER MAIN EXTENSION PLAN

GLEN OAKS PLACE LOTS 1 THRU 18; PARCEL'A' & OPEN SPACE LOTS 20 & 21

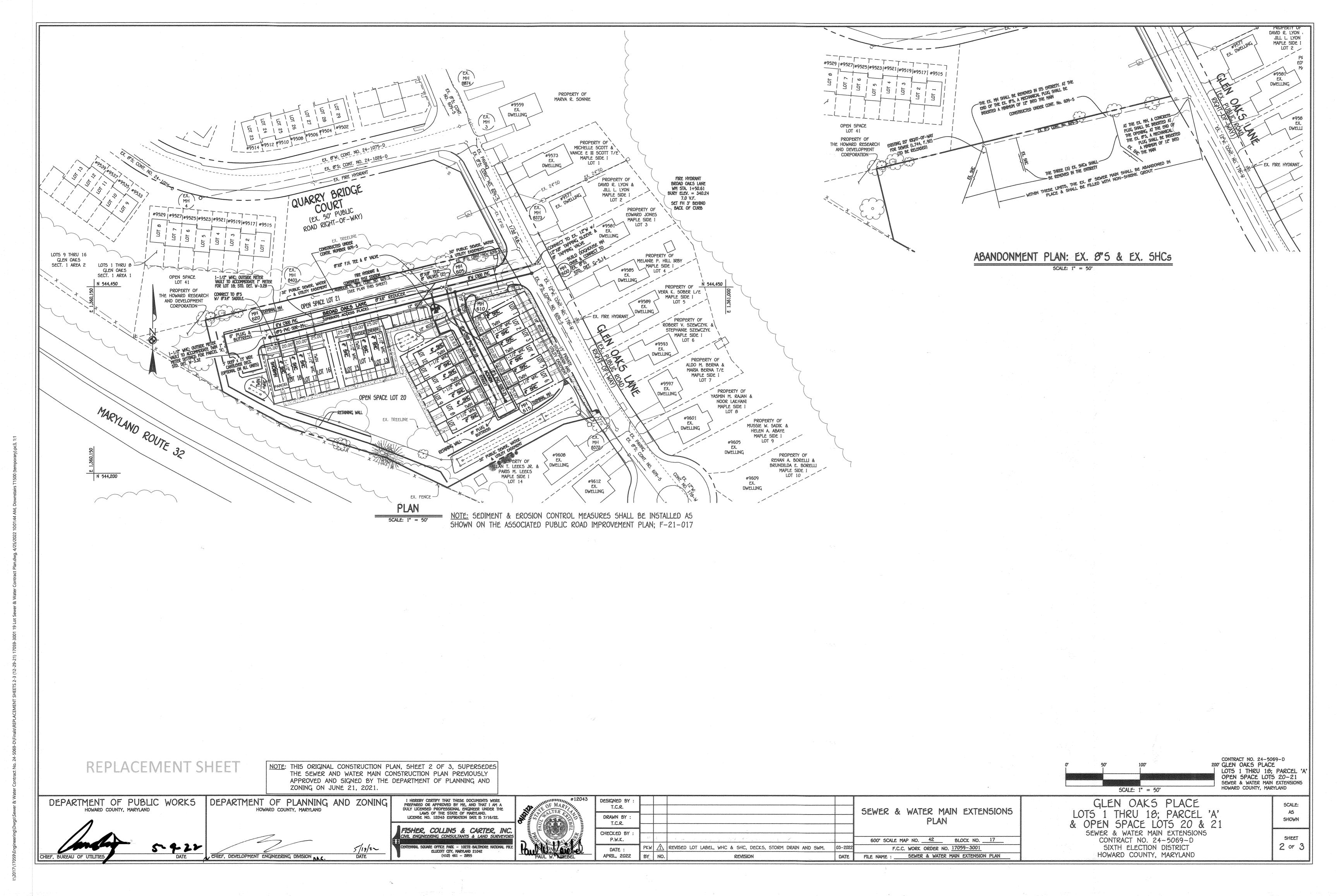
HOWARD COUNTY, MARYLAND

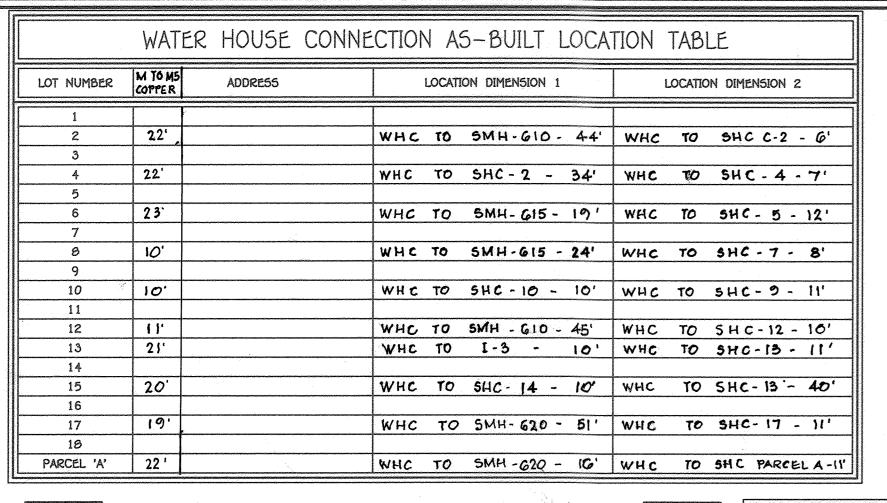
SEWER & WATER MAIN EXTENSIONS CONTRACT NO. 24-5069-D SIXTH ELECTION DISTRICT

SHEET 1 of 3

SCALE:

SHOWN





ACORN COURT (PRIVATE STREET)

PROP. GRADE (F-21-017)

0+03.00 Ø VALVE 332.37

-0+00 = 1+29.56 **©**ØXØ TEE

1/32 H.B.

ROTATE BEND 1.04° (UP)

PROFILE

8' WATER MAIN: ACORN COURT;

LOTS 1 THRU 12

EX. GROUND

345

340

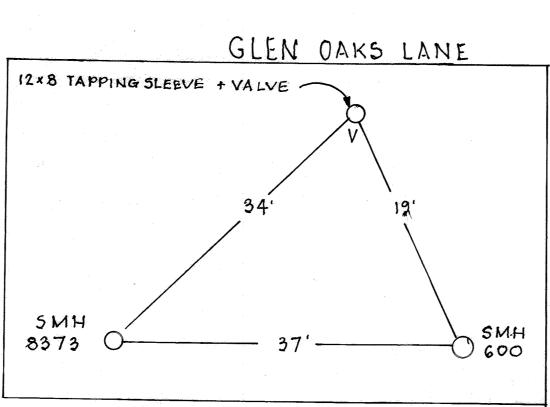
335

330

325

320

315



544,410.09

544,298.52

544,482.22

544,479.26

544,460.78

544,450.53

544,436.15

544,445.51

544,444.08

544,390.72

1,360,633.39

1,360,691.91

EASTING

1,360,745.78

1,360,740.40

1,360,665.18

1,360,623.46

1,360,607.17

1,360,603.02

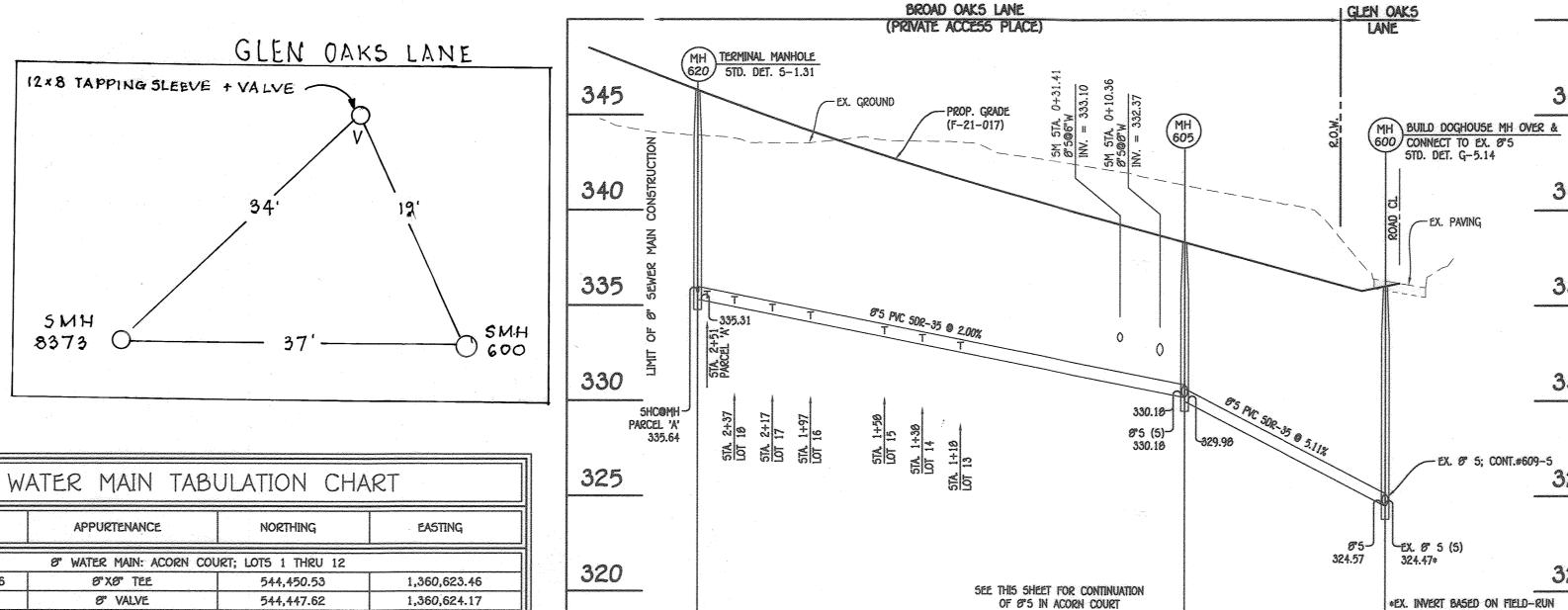
1,360,597.19

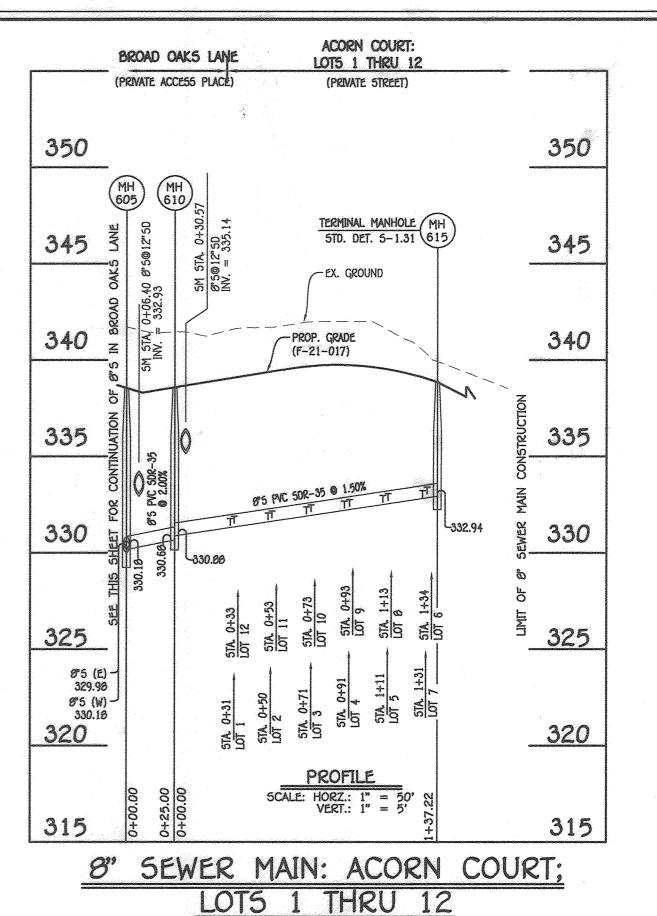
1,360,379.91

LANE

5MH-605

15MH-610





## 8" SEWER MAIN: BROAD OAKS LANE; LOTS 13 THRU 18 & PARCEL 'A'

RT	JLATION CHA	IANHOLE TABI	<u> </u>
RIM ELEVATION	EASTING	NORTHING	NO.
 336.02	1,360,738.64	544,468.43	600
330.33	1,360,635.93	544,443.20	605
 346.28	1,360,386.84	544,382.13	620

	SEWER	HOUSE C	ONNECTI	ON CHA	\RT
STATION	LOT	ELEVATION AT MAIN	ELEVATION AT EDGE OF EASEMENT	M.C.E.	5LAB
		MH 605 TO	D EX. MH 620		
1+18 LT.	13	332.71	332.93	336.87	343.41
1+30 LT.	14	333.11	333.33	337.27	344.07
1+50 LT.	15	333.51	333.73	337.67	344.73
1+97 LT.	16	334.29	334.51	338.45	345.79
2+17 LT.	17	334.69	334.91	338.85	346.45
2+37 LT.	18	337.09	335.31	339.25	347.11
2+51 LT.	PARCEL 'A'	335.37	335.59	335.71	347.77
@MH 620 LT.	PARCEL 'A'	335.64	335.86	339.98	347.77

NO.	NORTHING	EASTING	RIM ELEVATION
600	544,460.43	1,360,738.94	336.02
605	544,443.20	1,360,635.93	330.33
620	544,382.13	1,360,386.84	346.20

NOTE:	SET	MH	RIM	<b>FLU5H</b>	W/	PROPOSED	GRADE

	SEWER	HOUSE C	ONNECT	ION CH	ART
STATION	LOT	ELEVATION AT MAIN	ELEVATION AT EDGE OF EASEMENT	M.C.E.	5LAB
		MH 610	TO MH 615		
0+31 LT.	1	331.52	331.72	335.66	341.83
0+33 RT.	12	331.55	331.99	335.93	342.60
0+50 LT.	2	331.80	332.00	335.94	341.83
0+53 RT.	11	331.85	332.29	336.23	343.26
0+71 LT.	3	332.12	332.32	336.26	341.83
0+73 RT.	10	332.15	332.59	336.53	343.26
0+91 LT.	4	332.42	332.62	336.56	341.63
0+93 RT.	9	332.45	332.89	336.03	343.26
1+11 LT.	5	332.72	332.92	336.06	341.63
1+13 RT.	8	332.75	333.19	337.13	343.26
1+31 RT.	7	333.02	333.46	337.40	342.60
1+34 LT.	6	333.06	333.26	337.20	341.83

MANHOLE TABULATION CHART

EASTING

1,360,641.50

1,360,704.09

RIM ELEVATION

338.59 339.96

NORTHING

544,418.97

544,296.84

610

615 (TERMINAL)

NOTE: SET MH RIM FLUSH W/ PROPOSED GRADE.

		1+43.09	r v.p.c. (up)	544,447.31	1,360,610.32
	BROAD OAKS LANE (PRIVATE ACCESS PLACE)	GLEN OAKS LANE		BROAD	OAKS LAN
345	EX. GROUND	R.O.W.	345	1+50	•
340	PROP. GRADE (F-21-017)  3+50 340.14 6"W: C900 PVC 3+00 338.40 DR-18  2+50 1+56.61	WM STA. 0+15.95  "W@EX. 8'5; CONT.  INV. = 324.64	340	1.7	35 0+3 V
335	3+00.35 6" PLUG & BUTTRE55 50 341.20 335.65 8"X6" REDUCER 333.31 1+35.56 8" VALVE 332.50 332.50	EX. 12" V CONT.#170	335	25' 30' *	47' 41'
330	1+50.61 Ø"X6" F.H. TEE 333.10 1+29.56 = 0+00.00 0+06.60 2° V.D.C.	0+50 330.67	330	FH T 5TA-1+50	-32'
325	332.37 330.87  SEE THIS SHEET FOR CONTINUATION OF 8"W IN ACORN COURT	0+09.14 CONNE 1/32 H.B. W/127 330.07 SLEEVE 330.70	ct to ex. 12'W  Ke tapping 325		
320	PROFILE  5CALE: HORZ.: 1" = 50'  VERT.: 1" = 5'	6° TAPP 330.67	ing valve		

345

340

330

325

8" PLUG & BUTTRESS

W.M. STA.

0+00.00=1+29.56

0+03.00

0+41.64

1+67.53

W.M. STA.

0+09.14

0+86.60

1+29.56

1+35.56

1+50.61

1+56.61

3+80.35

APPURTENANCE

8"X8" TEE

8" VALVE

1/32 H.B.

8" PLUG & BUTTRESS

DEFLECTION COUPLINGS.

PERFORMED USING A SADDLE.

APPURTENANCE

12"X8" TAPPING SLEEVE

1/32 H.B.

2° V.D.C. (UP)

8"X8" TEE

8° VALVE

8"X6" F.H. TEE

8"x6" REDUCER

6" PLUG & BUTTRESS

WATER MAIN NOTES:

1. ALL WATER MAINS SHALL BE AWWA C900 PVC PIPE; DR-18.

4. ALL WATER HOUSE CONNECTIONS AND TAPS SHALL BE

2. ALL PIPE BEDDING, TRACER WIRE, LOCATING TAPE AND OTHER APPURTENANCES SHALL BE IN ACCORDANCE WITH THE

3. DEFLECTION COUPLINGS SHALL BE CERTAIN-TEED PVC HIGH

WATER MAIN TABULATION CHART

8" /6" WATER MAIN: BROAD OAKS LANE; LOTS 13 THRU 10 AND PARCEL 'A'

SEWER STANDARDS FOR AWWA C900 PVC WATER PIPE INSTALLATION.

SEWER HOUSE CONNECTION AS-BUILT LOCATION TABLE								
LOT NUMBER	м то со	ADDRESS	LOCATION DIMENSION 1		LOCATIO	ON DIMENSION 2		
1	10,		SHC TO SMH-610 -	30' 5	HC TO	WHC - 142 - 14'		
2	10,		SHC TO SMH-GIO -	49' 5	HC TO	WHC-142 - 6'		
3	10'		SHC TO SHC-2 -	21' 5	HC TO	WHC - 3+4- 13'		
4	10'		SHC TO SMH - GIS -		HC TO	WHC-344 - 7'		
5	10'		SHC TO SMH- 615 -	29' 5	HC TO	WHC - 5+6 - 12'		
6	10'		SHC TO SMH - 615 -	15' 5	HC TO	WHC - 5+6 - 11'		
7	20'		SHC TO SMH - 615 -	20' 51	10 10	WHC - 748 - 8'		
8	20'		SHC TO SMH - 615 -	33' 51	tc to	WHC- 748 - 11'		
9	20'		SHC TO SMH-615 -	46' 51	HC TO	WHC - 9410-11		
10	20'		5HC TO WHC-11+12	- 31' 51	HE TO	WHC - 9410-10		
11	20"		SHC TO SMH - 610 -	54' 5	HC TO	WHC - 11412-10		
12	20'		SHC TO SMH - GIO -	37' 5	HC 76	WHC - 11412 - 10		
13	10'		\$HC TO 1-3 -	20' 5	HC TO	WHC - 13 - 11'		
14	10'		SHC TO SHC-13 -	21' 5	HC TO	WHC -14+15 - 10		
15	10'		SHC TO SHC-14 -	20' 5	HC TO	WHC-14415 - 10		
16	10'		SHC TO SHC-15 -	391 51	HC TO	WHC -16+17 - 16		
17	10'		SHC TO SMH-620 -	40' 5	HC TO	WHC - 18 419 - 21		
18	10'		SHC TO SMH-620 -	231 51	1C TO	WHC ~ 16417 - 31		
PARCEL 'A'	10'		SHC TO SMH - 620 -	14' 51	HC TO	WHC - 18419 - 19		

NOTE: THIS ORIGINAL CONSTRUCTION PLAN, SHEET 3 OF 3, SUPERSEDES THE SEWER AND WATER MAIN CONSTRUCTION PLAN PREVIOUSLY APPROVED AND SIGNED BY THE DEPARTMENT OF PLANNING AND ZONING ON JUNE 21, 2021.

345

335

330

325

320

— EX. Ø 5; CONT.#609-5

\*EX. INVERT BASED ON FIELD-RUN SURVEY/"AS-BUILT" INVERTS AT

EX. MHs 0372 & 0373

EX. 8° 5 (5) 324.47\*

		CONTRACT NO. 24-5069-D
50'	100'	200' GLEN OAKS PLACE
		LOTS 1 THRU 18; PARCEL
		OPEN SPACE LOTS 20-21
		SEWER & WATER MAIN EXTENSIONS
5CALI	E: 1" = 50'	HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS

DEPARTMENT OF PLANNING AND ZONING 5/15/22 DATE CHIEF, DEVELOPMENT ENGINEERING DIVISION

8" & 6" WATER MAIN: BROAD OAKS LANE; LOTS 13 THRU 18 & PARCEL 'A

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. 12043 EXPIRATION DATE IS 7/16/22. FISHER, COLLINS & CARTER, INC CIVIL ENGINEERING CONSULTANTS & LAND SURVEYOR

#12043 DESIGNED BY :

	T.C.R.				1
	DRAWN BY : T.C.R.				1
	CHECKED BY : P.W.K.	WRA	2	WHC & SHC "AS BUILT" TABLES APPER	5/20
	DATE :	PKW	$\overline{\mathbb{V}}$	REVISED PROFILES AND CHARTS.	01-
_	APRIL, 2022	вγ	NO.	REVISION	DA

SEWER & WATER MAIN EXTENSIONS PROFILES, CHARTS, "AS-BUILT" TABLES & NOTES 600' SCALE MAP NO. 42 BLOCK NO. 17 F.C.C. WORK ORDER NO. 17059-3001

FILE NAME : SEWER & WATER MAIN EXTENSION PLAN

GLEN OAKS PLACE LOTS 1 THRU 18; PARCEL 'A' & OPEN SPACE LOTS 20 & 21 SEWER & WATER MAIN EXTENSIONS CONTRACT NO. 24-5069-D SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

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