## **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.

2. TOPOGRAPHIC FIELD SURVEYS WERE PERFORMED IN MARCH, 2022 BY BENCHMARK ENGINEERING, INC

3. HORIZONTAL AND VERTICAL SURVEY CONTROLS:

UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.

THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAI '83/'91 AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 35G2 AND NO. 35GA. ALL VERTICAL CONTROLS ARE BASED ON NAVD '88. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS ARE 0012 AND 16E1.

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 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

CONSTRUCTION (LATEST EDITION). THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB.

7. 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:

AT&T	1-800-252-1133
BGE (CONTRACTOR SERVICES)	410-637-8713
BGE (EMERGENCY)	
BUREAU OF UTILITIES	
COLONIAL PIPELINE CO	410-795-1390
MISS_UTILITY	1-800-257-7777
STATE HIGHWAY ADMINISTRATION	410-531-5533
VERIZON	1-800-743-0033

10. 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

(410)-313-7450 AT LEAST FIVE WORKING DAYS BEFORE OPEN CUTTING OR BORING/JACKING OF AN 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

### PART II WATER

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

AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND SECTION 1005 OF THE STANDARD SPECIFICATIONS.

MAINS IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL.

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.

WITH VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. SEVENTEEN (17) POUND MAGNESIUM ANODES SHALL BE INSTALLED ON ALL VALVES AND DUCTILE IRON FITTINGS ALL STAINLESS STEEL FITTINGS AND SADDLES USED WITH PVC MAINS. ALL "TEES" USED WITH PVC

REQUIREMENTS OF AWWA C900 AND SHALL BE MULTI FITTINGS (IPEX) BLUE BRUTE DR18 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 C-900 PVC PIPELINES, THE CONTRACTOR SHALL INSTALL DEVICESFOR THE PREVENTION OF OVER-INSERTION OF THE PVC PIPE 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.

WITH W-3.28 AND TWIN WHC'S SHALL COMPLY WITH W-3.32.

- 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.
- 3. FORCE MAINS SHALL BE PVC ONLY.
- FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.

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

DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE HOWARD COUNTY STANDARD SPECIFICATIONS AND AS PER SDP-24-017.

HOWARD COUNTY, MARYLAND

4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.

6. 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

AT&T	1-800-252-1133
BGE (CONTRACTOR SERVICES)	410-637-8713
BGE (EMERGENCY)	
BUREAU OF UTILITIES	
COLONIAL PIPELINE CO	410-795-1390
MISS UTILITY	1-800-257-7777
STATE HIGHWAY ADMINISTRATION	410-531-5533
VERIZON	1-800-743-0033

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

11. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT

- . ALL WATER MAINS TO BE PVC C-900 DR-18 UNLESS OTHERWISE NOTED.
- 2. TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" OF COVER UNLESS OTHERWISE
- 4. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH

STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS. 5. 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

6. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM 7. TRACER WIRE AND CONTINUITY TEST STATIONS SHALL BE INSTALLED ON ALL DIP AND PVC WATER

8. 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

9. 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 ACCORDANC INCLUDING RESTRAINTS AND HARNESSES. TWELVE (12) POUND ZINC ANODES SHALL BE INSTALLED ON

10. 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 INSERTIONLINE SHALL REMAIN VISIBLE. DUAL INSERTION LINES ON GASKETED PVC PIPE INDICATE HE 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.

11. 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 #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  $\frac{1}{2}$ 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 CERTAINTEED PVC HIGH DEFLECTION (HD) STOP COUPLINGS OR EQUAL.

5-DEGREE SWEEPS SHALL BE BELL BY SPIGOT, RATED FOR A MINIMUM 225 PSI, DR18 MEETING THE 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

13. ALL WATER HOUSE CONNECTIONS ARE TO BE 1.5" WITH 1" METER. SINGLE WHC'S SHALL COMPLY

## PART III SEWER

- 4. MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY. 5. 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

6. HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.

DEPARTMENT OF PLANNING AND ZONING





THINKS PROMINING	SOLVE STATE OF STATE	)F M. A. 2837	ARY MILES	WINNER OF THE	
11,	11/1/11	ONA	FEM	III	

## DRAFT: AAM/JC AAM DATE: AUG 2024 **REVISIONS** 600 SCALE MAP #16

**FINAL** PUBLIC WATER AND SEWER **PLANS** 

BLOCK: 11&17

SCOTT PROPERTY, LOTS 1 AND 2 6479 & 6485 SOUTH TROTTER ROAD TAX MAP: 35 - GRID: 20 - PARCEL: 338 8 - ZONED: R-20 - ELECTION DISTRICT NO. 53 CONTRACT NO. 34-5231-D

TROTTER'S RETREAT-PHASE

A RESUBDIVISION OF

SCALE:

AS SHOWN

SHEET NO.

1 OF 3

RIDGE CT MONUMENT STATION No. 35GB STATION No. 35GG

> VICINITY MAP SCALE: 1" = 2000'

BENCH MARKS-(NAD'83) DISC SET ON TOP OF CONCRETE COLUMN GILFORD ROAD NEAR TROTTER ROAD. N 554358.875 E 1333834.183 35GB EL.464.651 DISC SET ON TOP OF CONCRETE COLUMN CORNER GUILFORD ROAD AND TROTTER

N 554740.098 E 1333317.635

### **LEGEND**

	——— W———— W————	EXIST. WATER MAIN
	ww	EXIST. FIRE HYDRANT
		EXIST. SEWER MAIN
		PROP. STORM DRAIN
		PROP. SEWER MAIN
		PROP. SEWER MANHOLE
	<b>0-</b> C/0	PROP. SEWER HOUSE CONNECTION
	→1" METER	PROP. WATER MAIN
	1 1/2" SERVICE	PROP. WATER HOUSE CONNECTION
•		

PROP. FIRE HYDRANT

PROP. VALVE

# NOTES:

1. ALL WATER HOUSE CONNECTIONS ARE TO BE 1.5" WITH A 1" METER (OUTSIDE SETTING), PER DETAIL W-3.28.

SHEET INDEX

**DESCRIPTION** 

TITLE SHEET

PLAN VIEW

**PROFILES** 

2. ALL TWIN WHC'S SHALL COMPLY WITH W-3.32

3. THESE PROPERTIES WERE INCORPORATED INTO THE METROPOLITAN DISTRICT ON MAY 1, 2023.

MIDDLE PATUXENT LITTLE PATUXENT WRF \_\_630 WEST

* ONE	(1) UNIT	IS	THE	COMMUNITY	BUILDING

LOCATION MAP

TYPE OF BUILDING:\_

NUMBER OF UNITS: NUMBER OF SHC'S:

NUMBER OF WHC'S:

DRAINAGE AREA \_

WATER ZONE\_

TEST GRADIENT \_

TEST PRESSURE \_\_\_

NUMBER OF TWHC'S:

TREATMENT PLANT \_\_\_\_

Ho. Co. MONUMENT STATION No. 35G2

Ho. Co. MONUMENT

TROTTER'S RETREAT-PHASE 1

PUBLIC WATER AND SEWER DRAWINGS

CONTRACT NO. 34-5231-D

	WATER SERVICE AS-BUILT LOCATION TABLE									
LOT	ADDRESS	LOCATION DIMENSION #2								
1	6481 SWIMMER ROW WAY									
2	6550 STREAM SONG COURT									
3	6554 STREAM SONG COURT	-								
4	6558 STREAM SONG COURT									
5	6562 STREAM SONG COURT									
6	6566 STREAM SONG COURT	,								
7	6570 STREAM SONG COURT									
8	6569 STREAM SONG COURT									
9	6565 STREAM SONG COURT									
10	6561 STREAM SONG COURT									
11	6557 STREAM SONG COURT									
12	6553 STREAM SONG COURT									
13	6489 SWIMMER ROW WAY									
14	6493 SWIMMER ROW WAY									
15	6497 SWIMMER ROW WAY	-								
16	6501 SWIMMER ROW WAY									

CONDOMINIUM STYLE SENIOR HOUSING

EX. VALVE TO BE SHUT OFF FOR

OWNER/DEVELOPER: SOUTH TROTTER LLC 9693 GERWIG LANE, SUITE L COLUMBIA, MD 21046 410-792-2565

**QUANTITIES** 

QUANTITIES

QUANTITIES

**ESTIMATED** 

209 LF

620 LF

2 EA

1 EA

1 EA 1 EA

640 LF

1 EA

4 EA

163 LF

ITEMS

6" PVC C900 DR-18 WATER

8" PVC C900 DR-18 WATER

6" FIRE HYDRANT, TEE, & VALVE

8"x8" TEE WITH VALVE

S" C&B

8" C&B

1.5" COPPER WHO

8"X6" REDUCER

8" DIP SEWER

MANHOLES

4" PVC SHC

NAME OF UTILITY CONTRACTOR:

SURVEY AND DRAFTING DIVISION AS-BUILT DATE:

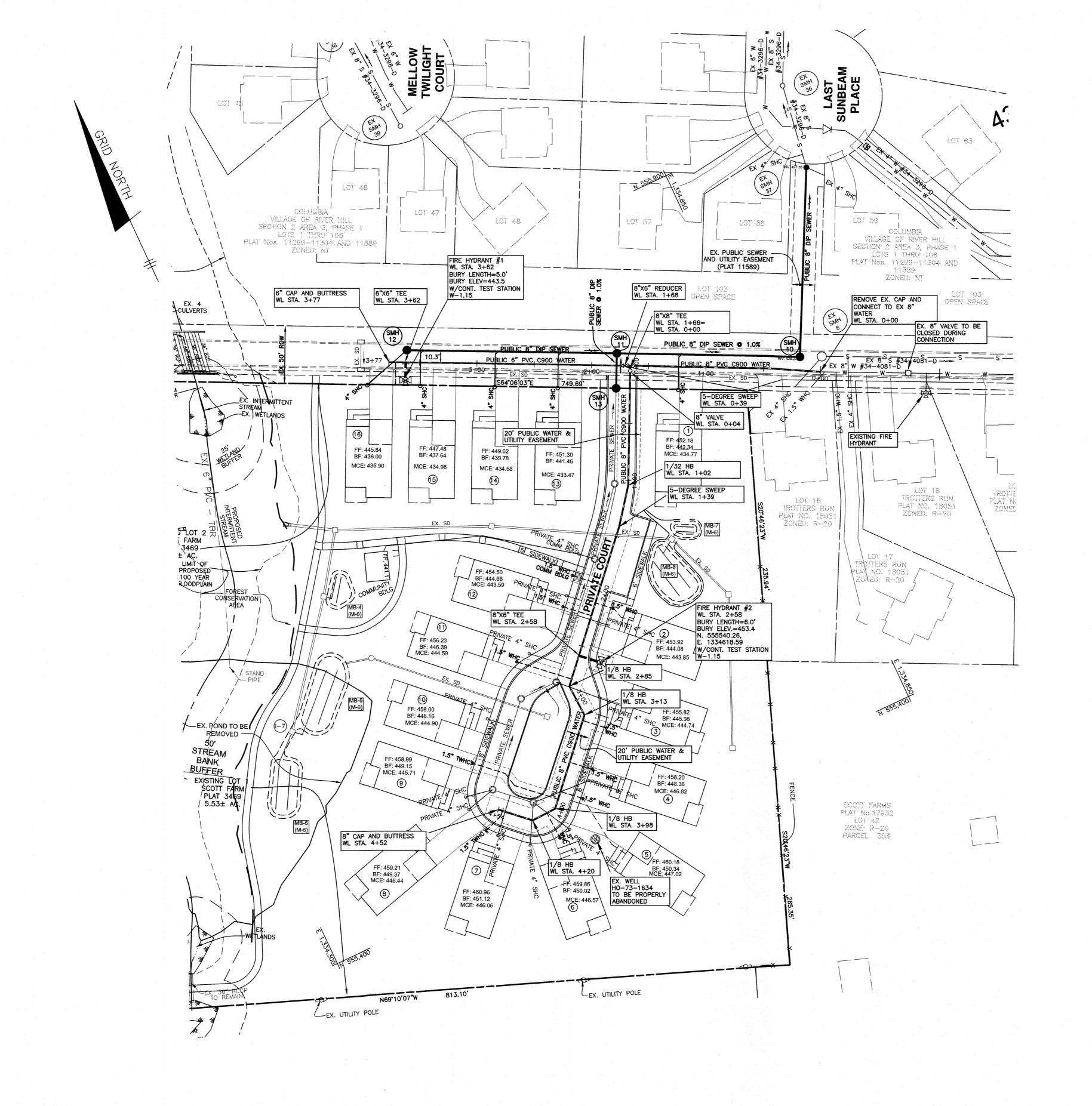
AS-BUILT

TYPE

MANUF./SUPPLIER

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. 28376,

DES: AAM/JC



	WAIER LI	NE DATA CHART-SWIMMER	KOW WAT
APPURTENACE	WATERLINE STATION	LOCATION	COMMENT
5° SWEEP	0+39	N 555707.45 E 1334865.89	
8"X8" TEE	1+66	N 555763.32 E 1334751.61	
8"X6" RED.	1+68	N 555765.50 E 1334746.50	
6"X6" TEE FOR FH	3+62	N 555848.82 E 1334575.23	
6" CAP & BUTTERSS	3+77	N 555855.04 E 1334562.04	

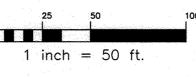
WATER LINE DATA CHART—PRIVATE ROAD									
APPURTENACE	WATERLINE STATION	LOCATION	COMMENT						
8"X8" TEE	0+00	N 555763.32 E 1334751.61							
1/32 HB	1+02	N 555669.78 E 1334706.00							
5° SWEEP	1+39	N 555640.46 E 1334683.58							
8"X6" TEE FOR FH	2+58	N 555553.57 E 1334604.21							
1/8 HB	2+85	N 555532.91 E 1334585.34							
1/8 HB	3+13	N 555504.66 E 1334586.62							
1/8 HB	3+98	N 555441.60 E 1334529.02							
1/8 HB	4+20	N 555440.60 E 1334506.97							
8" CAP & BUTTRESS	4+52	N 555461.83 E 1334483.72							

SEWER HOUSE CONNECTION CHART									
LOT	CONNECTION STA.	INV. AT MAIN	SLOPE	TYPE	INVERT AT EASEMENT/ROW	MCE	BASEMENT ELEVATION		
1	1+05	428.97	5%	SHC	430.47	434.77	442.34		
13	0+50	429.70	5%	SHC	431.20	433.47	441.46		
14	1+07	430.11	2%	SHC	430.71	434.58	439.78		
15	1+70	430.57	2%	SHC	431.17	434.98	437.64		
16	SMH 12	430.59	2%	SHC	431.49	435.90	436.00		

### SEQUENCE OF CONSTRUCTION FOR INLINE WATER MAIN INSTALLATION:

- 1. NOTIFY ADDRESS OF TEMPORARY SERVICE INTERRUPTION.
- 2. SHUT OFF VALVE AS INDICATED ON PLAN.
- 3. REMOVE EXISTING CAP AND BUTTRESS AND MAKE CLEAN CONNECTION.
- 4. WITH CONNECTION COMPLETE FLUSH AND OPEN EXISTING VALVE.

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. 28376, Expiration Date: 1-1-2025.



OWNER/DEVELOPER:
SOUTH TROTTER LLC
9693 GERWIG LANE, SUITE L
COLUMBIA, MD 21046
410-792-2565

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND

CHIEF, DEVELOPMENT ENGINEERING DIVISION M.G.

BENCHMARK

ENGINEERS & LAND SURVEYORS & PLANNERS

ENGINEERING, INC.

3300 N. RIDGE ROAD & SUITE 140 & ELLICOTT CITY, MARYLAND 21043
(P) 410-465-6105 (F) 410-465-6644

WWW.BEI-CIVILENGINEERING.COM

THE PROTESTION OF THE PROPERTY	OF MARY
*///	mmunum.

	DES:	AAM/JCO				
	DRAFT:	AAM/JCO				
	CHK:	AAM	-			
	T	AUG				
anila sa Ai	DATE:	2024	BY	NO.	REVISIONS	DATE

FINAL
PUBLIC WATER AND SEWER
PLAN

600 SCALE MAP #16

BLOCK:11&17

TROTTER'S RETREAT-PHASE 1

A RESUBDIVISION OF
SCOTT PROPERTY, LOTS 1 AND 2

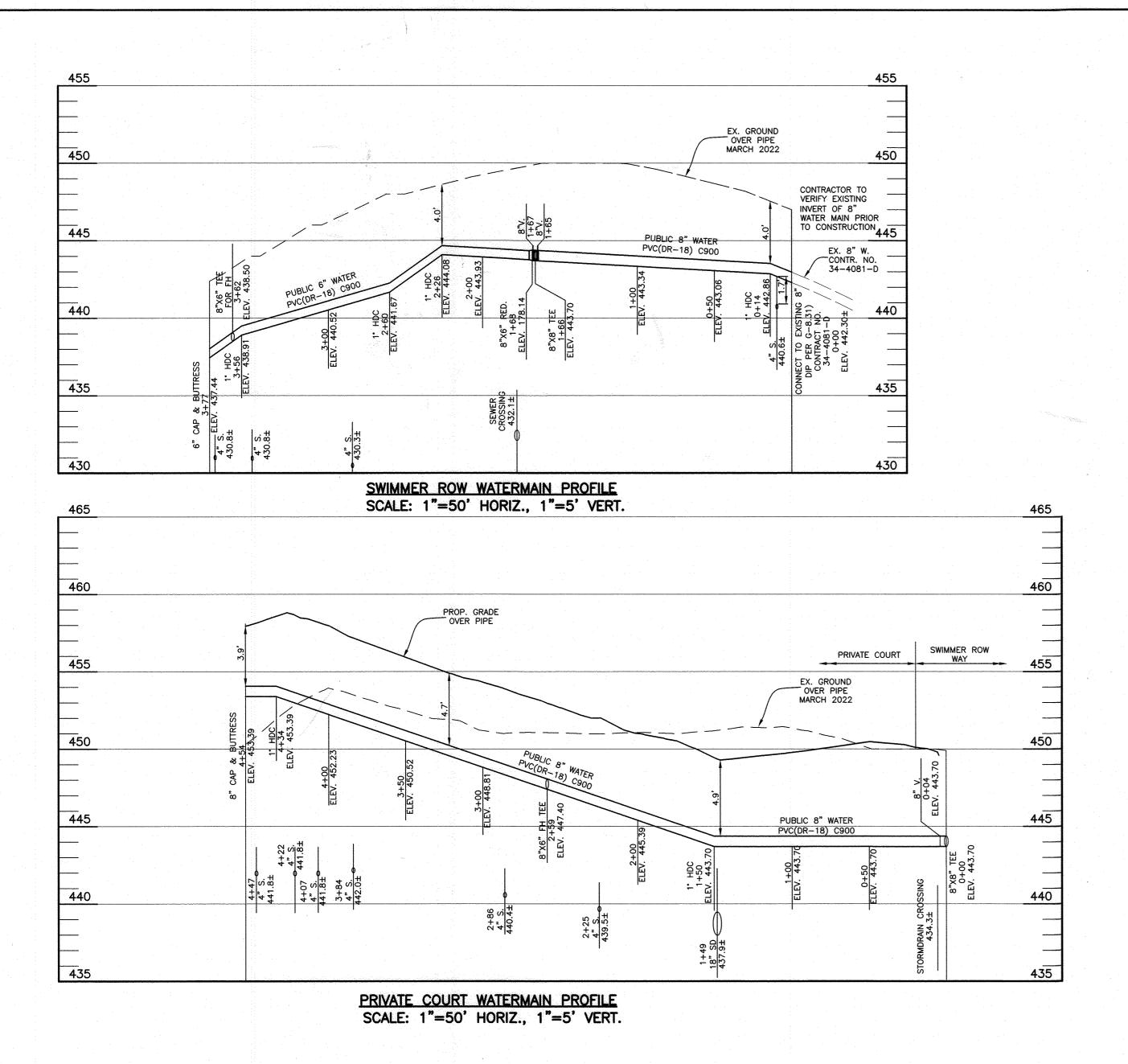
6479 & 6485 SOUTH TROTTER ROAD

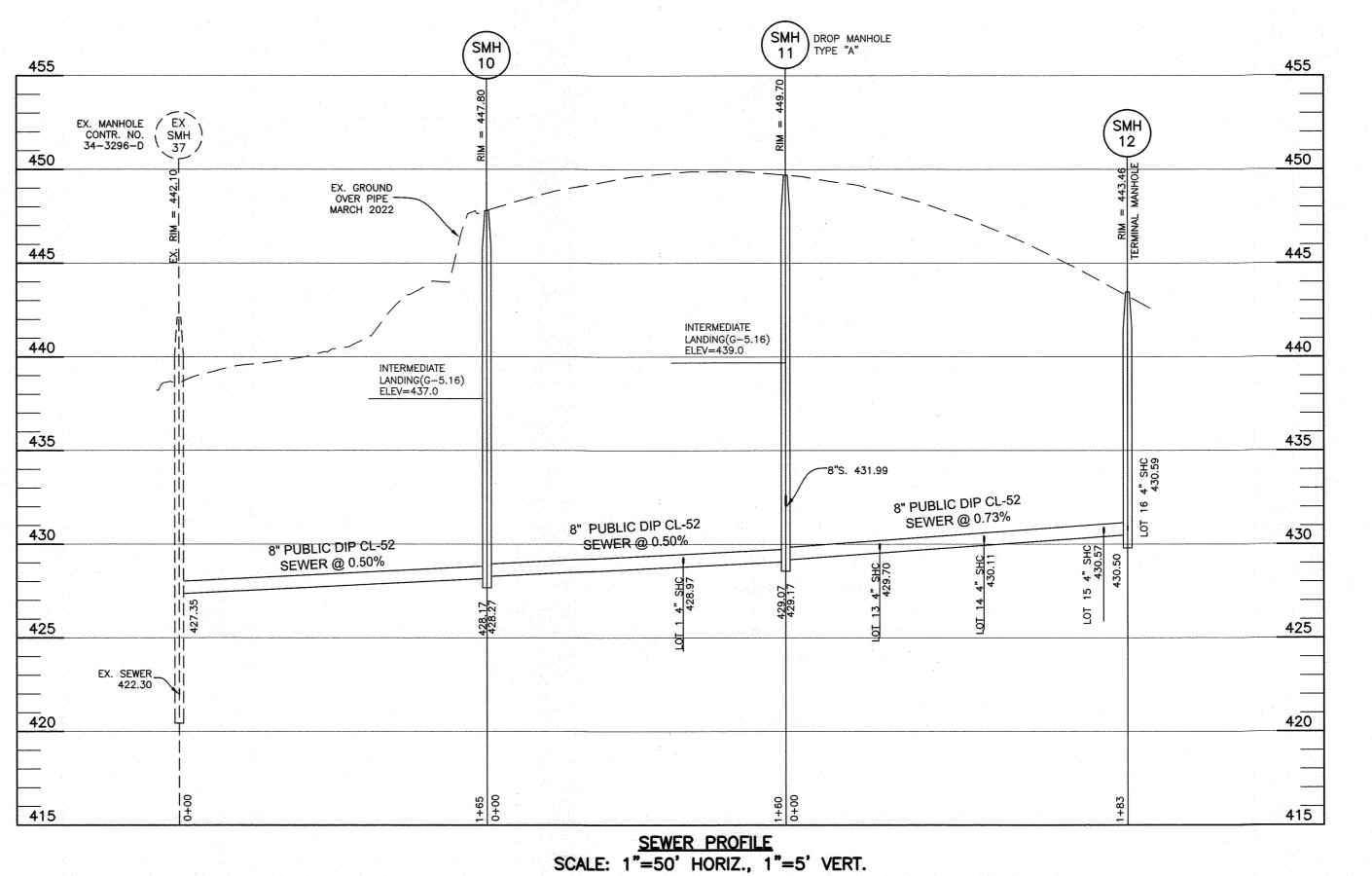
TAX MAP: 35 - GRID: 20 - PARCEL: 338 8 - ZONED: R-20 - ELECTION DISTRICT NO. 53

CONTRACT NO. 34-5231-D

SCALE: AS SHOWN

SHEET NO.
2 OF 3





STRUCTURE TABLE								
NUMBER	TYPE	LOCATION	INVERT IN	INVERT OUT	TOP ELEV.	STD. DETAIL	REMARKS	
SMH 10	48" MH	N 555708.07 E 1334889.36	428.27(8")	428.17(8")	447.80	G-5.12		
SMH 11	48" MH	N 555778.07 E 1334745.63	429.17(8")	429.07(8")	449.70	S-1.32	TYPE "A" DROP MANHOLE	
SMH 12	48" MH	N 555858.00 E 1334580.64	1-	430.50(8")	443.46	S-1.31	TERMINAL MANHOLE	
SMH 13	48" MH	N 555750.80 E 1334732.16	432.39(8")	432.29(8")	450.07	G-5.12		

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. 28376, Expiration Date: 1-1-2025.

1 inch = 50 ft.

OWNER/DEVELOPER: SOUTH TROTTER LLC 9693 GERWIG LANE, SUITE L COLUMBIA, MD 21046 410-792-2565

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

CHIEF, DEVELOPMENT ENGINEERING DIVISION M.G.

DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND

BENCHMARK ● ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS ENGINEERING, INC. 3300 N. RIDGE ROAD ▲ SUITE 140 ▲ ELLICOTT CITY, MARYLAND 21043 (P) 410-465-6105 (F) 410-465-6644 WWW.BEI-CIVILENGINEERING.COM

	DATE: AUG 2024	BY	NO.	REVISIONS	 DATE
THE THE PERSON WITH	CHK: AAM		-	:	
		-			
	DRAFT: AAM/JCO			-	
	DES: AAM/JCO				

**FINAL** PUBLIC WATER AND SEWER **PROFILES** 

BLOCK:11&17

600 SCALE MAP #16

TROTTER'S RETREAT-PHASE 1 A RESUBDIVISION OF SCOTT PROPERTY, LOTS 1 AND 2

SWIMMER ROW R/W

DROP MANHOLE SMH

EX. GROUND OVER PIPE MARCH 2022

INTERMEDIATE 440 LANDING(G-5.16) ELEV=439.0

8" PUBLICDIP

CL-52 ---

SEWER @ 1.00%

8" S. IN= 429.17\_ OUT=429.07

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

INTERMEDIATE LANDING(G-5.16) ELEV=440.0

8" PUBLICDIP

CL-52 SEWER @ 1.00%

455

450

445

430

425

420

6479 & 6485 SOUTH TROTTER ROAD TAX MAP: 35 - GRID: 20 - PARCEL: 338 8 - ZONED: R-20 - ELECTION DISTRICT NO. 53  $CONTRACT\ NO.\ 34-5231-D$ 

SCALE: AS SHOWN SHEET NO.

3 OF 3