QUANTITIES AS-BUILT ITEMS QUANTITIES QUANTITIES TYPE MANUF./SUPPLIER 8"WATER (PVC C900 DR18) 591 L.F. 591 LF. DR-18 C-900 P.JC. NATIONAL PIPE 0.12 6"WATER (FH LEADS-DIP) 20 LF. GRIFFIN 20 L.F. CAMBRIDGE LEE 1.5" WHC 310 L.F. 310 LF Type 'n' Copper 8" 1/8HB 4 EACH 4 EA. D.1.P. STAR PIPE FIRE HYDRANT 2 EACH 2 EA. 5'-0" MUELLER PIPE MUELLER PIPE FH TEE & VALVE 2 EACH 2 EA. -8"x8" TS&∀ 1 EACH 27 LF. 0.1.2 GRIFFIN 8" SEWER (DIP) 27 L.F. 552 L.F. SDR-35 P.V.C. NATIONAL PIPE 8" SEWER (PVC) 552 L.F. I EA. PRE-CAST CONC. ATLANTIC CONCRETE MH (G-5.15)1 EACH MH (G-5.12)4 EACH 4 EA. PRE-CAST CONC. ATLANTIC CONCRETE ATLANTIC CONCRETE PRE-CAST CONC. MH (S-1.31)1 EACH I EA. NATIONAL PIPE 4" SHC 354 L.F. 354 L.F. NAME OF UTILITY CONTRACTOR: UTILITIES UNLIMITED

SURVEY AND DRAFTING DIVISION AS-BUILT DATE

LEGEND

EXIST. WATER MAIN

EXIST. SEWER MAIN

PROP. WATER MAIN

PROP. SEWER MAIN

PROP. STORM DRAIN

PROP. VALVE

PROP. PLUG & BUTTRESS

(BY OTHERS)

PROP. SEWER HOUSE CONNECTION

PROP. DROP SEWER HOUSE CONN.

PROP. WATER HOUSE CONNECTION

(SEE PLAN VIEW FOR TYPE)

PROPERTY LINE / PUBLIC WATER, SEWER & UTILITY EASEMENT

1 STATE OF THE STA

MOD. CURB AND GUTTER-

PROP. SEWER MANHOLE PROP. TERMINAL MANHOLE

EXIST. SEWER MANHOLE EXIST. STORM DRAIN

PUBLIC WATER AND SEWER MAIN EXTENSIONS

TROTTER POINT

LOTS 1-14 AND OPEN SPACE LOTS 15-18

TAX MAP 43; PARCELS 8, 9 & 135; GRID 2 1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND

CONTRACT NO.: 34-4728-D



TYPE OF BUILDING: NO. OF BUILDABLE LOTS: NUMBER OF SHC'S: NUMBER OF WHC'S: MIDDLE PATUXENT DRAINAGE AREA MIDDLE PATUXENT WRP TREATMENT PLANT:_ TEST GRADIENT:

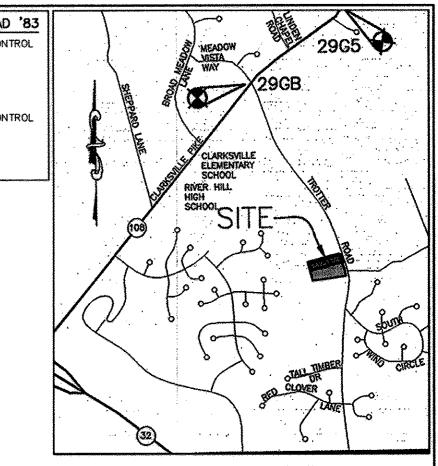
LOCATION MAP

SCALE: 1" = 600'

NOTE: HOUSE CONNECTIONS TO BE SIZED ACCORDINGLY: SINGLE WHC = 1-1/2" SINGLE SHC = 4"

BENCHMARKS NAD '83 HOWARD COUNTY CONTROL STATION 29GB N 566,826.1347 1,333,265.8757 ELEV. 455.998 HOWARD COUNTY CONTROL STATION 29G5 N 568.341.1963

E 1,335,392.4511 ELEV. 387.398



VICINITY MAP SCALE : 1'=2000' ADC MAP 4934, GRID C-6,7

GENERAL NOTES

- APPROXIMATE LOCATION 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 FEBRUARY 2003 BY WINGS AERIAL MAPPING AND SUPPLEMENTED BY TOPOGRAPHIC SURVEY PERFORMED BY MILDENBERG BOENDER & ASSOCIATES IN DECEMBER 2007 AND ARE SHOWN
- THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM, NAD 83/91 A PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS 43R1 AND 43B2. ALL VERTICAL CONTROLS ARE BASED ON NAVD 88. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS ARE HO.CO. GEODETIC CONTROL STA. 43R1 & 43B2.
- 4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON PLANS
- CLEAR ALL UTILITIES BY A MINIMUM OF 12". 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 BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONIES OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
- FOR DETAILS NOT SHOWN ON THE 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.
- 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 THERESULTS 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
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS **BG&E (CONTSTRUCTION SERVICES)** . 410-850-4620 410-685-1400 BG&E (EMERGENCY). 410-313-4900 HO. CO. DPW - BUREAU OF UTILITIES COLONIAL PIPELINE CO.. 1-800-257-7777 MISS UTILITY. 410-531-5533
- 1-800-743-0033/410-224-9210 **VFRIZON** TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO 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 LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR 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 CUTTING OR BORING/JACKING OF ANY COUNTY ROAD FOR LAYING WATER/SEWER MAINS HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(a) OF THE HOWARD COUNTY CODE.

PART 2 - WATER

STATE HIGHWAY ADMINISTRATION

- 1. ALL WATER MAINS TO BE PVC C900 DR18 UNLESS OTHERWISE NOTED.
- 2. TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-6" COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.

SUPPLIED TO THE TEST RECORD RECEIVED.

- ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE 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 1005 OF THE STANDARD SPECIFICATIONS.
- 6. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- TRACE WIRE AND CONTINUITY TEST STATIONS SHALL BE INSTALLED ON ALL D.I.P. ANS P.V.C. WATER MAINS IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL.
- FOR PVC WATER MAINS, ALL RECORDS FOR THE QUANTITY CONTROL AND QUALIFICATION TEST REQUIREMENTS NOTED IN SECTION 5.1 OF AWWA STANDARD C900 FOR PVC PRESSURE PIPE SHALL BE SUBMITTED WITH THE PIPE MATERIAL CERTIFICATIONS OR SHOP DRAWINGS PRIOR TO APPROVAL OF MATERIAL FOR USE. TEST RECORDS SHALL BE FOR THE PIPE TO BE INSTALLED. ALL PVC PIPE SHALL CONTAIN MARKINGS TO ALLOW CROSS REFERENCING OF THE PIPE
- UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS, SEVENTEEN (17) POUND SACRIFICIAL ANODES SHALL BE INSTALLED ON ALL VALVES AND METALIC 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
- 10. FIRE SPRINKLER SYSTEMS FOR ALL SINGLE FAMILY DWELLINGS SHALL HAVE A MINIMUM OF A 1-1/2" CONNECTION WITH A 1" OUTSIDE METER SETTING.

- 1. 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.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVER, STANDARD DETAIL G-5.52. WHERE WATERTIGHT MANHOLE FRAMES AND COVERS ARE USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED
- GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS. 6. HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.

NOTE: HO. CO. STD. DETAILS C-5.01 THRU C-5.03 ARE NOT APPLICABLE; THIS PROJECT IS NOT WITHIN AN AREA IDENTIFIED AS HAVING CORROSIVE SOILS

WITHIN STRUCTURAL FILL AREAS SHALL BE MECHANICALLY RESTRAINED IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND

BY: DFI DATE: 12/12/83

NOTE: ALL JOINTS AND CONNECTIONS LOCATED DETAILS FOR CONSTRUCTION (LATEST EDITION)

TROTTER POINT LOTS 1-14 & OPEN SPACE LOTS 15-18

TAX MAP 43; PARCELS 8, 9 & 165; GRID 2 FIFTH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

CONTRACT No.34-4728-D

AS SHOWN SHEET NO. 1 OF 3

SCALE:

TYPICAL WATER HOUSE CONNECTION ALL WATER HOUSE CONNECTIONS ARE TO BE SHEET INDEX 1.5" WITH A 1" METER (OUTSIDE SETTING). DESCRIPTION TITLE SHEET PUBLIC WATER & SEWER MAINS PLAN VIEW PUBLIC WATER & SEWER MAINS

" WATER METER HO. CO, STD. W-3.28

1.5" COPPER WHC

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE SOIL CONSERVATION DISTRICT. IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE HOWARD COUNTY STANDARD SPECIFICATIONS AND AS PER APPROVED DEVELOPMENT PLANS F-13-004

DEPARTMENT OF PLANNING AND ZONING

HOWARD COUNTY, MARYLAND

BENCHMARK ENGINEERS A LAND SURVEYORS A PLANNERS ENGINEERING, INC

(P) 410-465-6105 (F) 410-465-6644 60 THOMAS JOHNSON DRIVE ▲ FREDERICK, MARYLAND 21702 (P) 301-371-3505 (F) 301-371-3506 WWW.BEI-CIVILENGINEERING.COM

engineer under the laws of the State of Maryland, License No. 28559; Expiration Date: 7-22-2013

PROFESSIONAL CERTIFICATION:

proved by me, and that I am a duly licensed profession

DES: MCR/BFC DRN: MCR/BFO EN31/2013 | DATE: 2/01/2013 BY NO. REVISIONS

PUBLIC WATER AND SEWER TITLE SHEET

NOTE: CONTRACTORS TO EXERCISE EXTREME

CAUTION WHEN WORKING IN AREA OF EXIST.

OVERHEAD LINES ALONG TROTTER ROAD

BLOCKS: 2 DATE 600 SCALE MAPS: 35

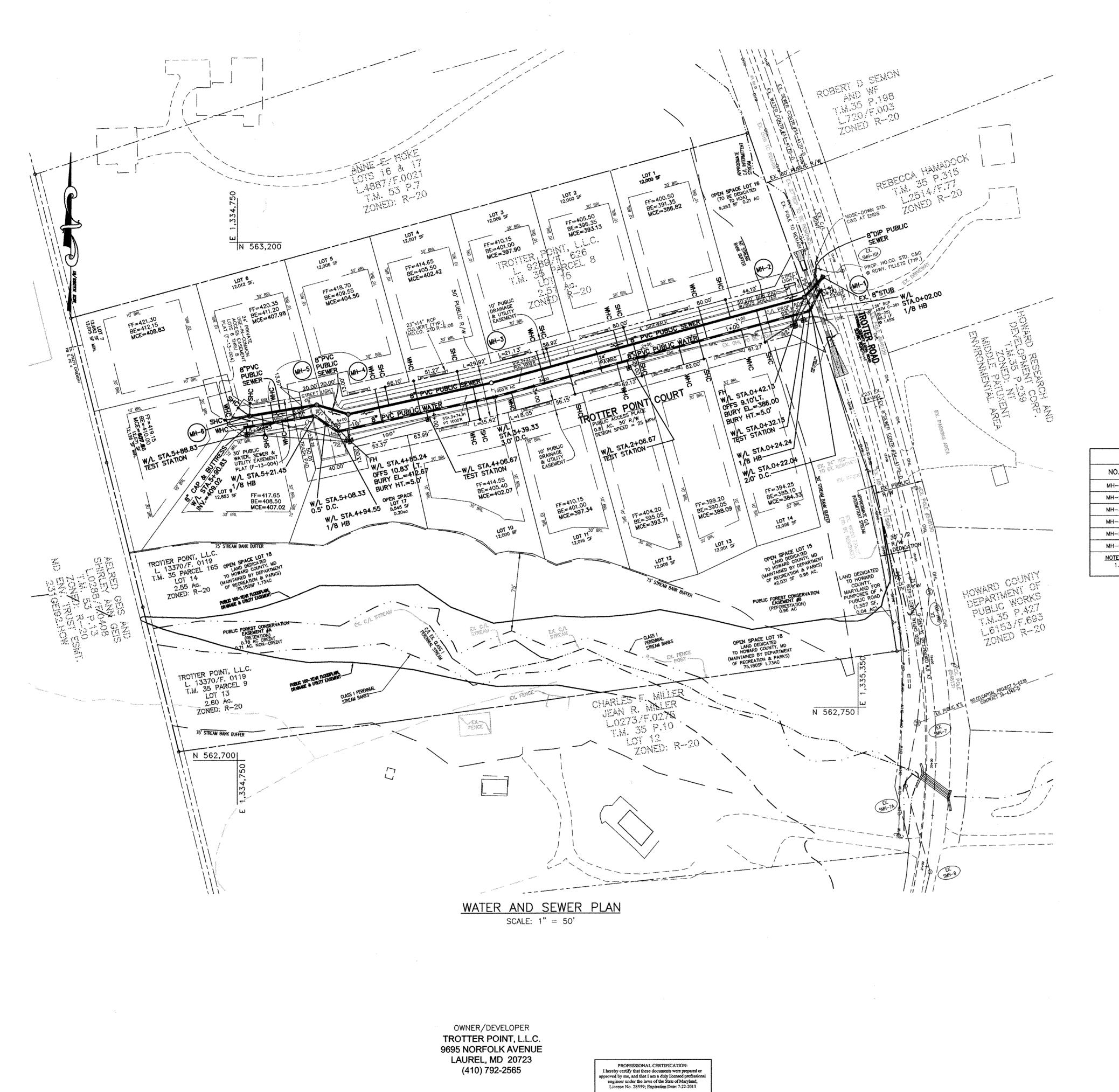
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DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND

OWNER/DEVELOPER TROTTER POINT, L.L.C. 9695 NORFOLK AVENUE LAUREL, MD 20723 (410) 792-2565

PROFILE VIEWS PUBLIC WATER & SEWER MAINS



	WATER SERVICE AS-BUILT LOCATION TABLE						
LOCATION DIMENSION #3	LOT	ADDRESS	LOCATION DIMENSION #1	LOCATION DIMENSION #2			
WHC #1 TO WHC #14 = 79.0'	1	- TROTTER POINT COURT	WHC+1 TO WHC+2=81.0'	WHC#1 TO WHC#13=76.0'			
WHC#2 TO WHC #/2=71.0'	2	- TROTTER POINT COURT	WHC+2 TO WHC+3=78.0'	WHC = Z TO CURB OPEN INLET = 3=46			
WHC#3 TO MH# 3= \$6.0'	3	- TROTTER POINT COURT	WHC #3 TO CURB OPEN INLET #2:35	WHC #3 TO WHC #2=78.0'			
NHC#4 TO MH#3=80.0'	4	- TROTTER POINT COURT	WHC#4 TO WHC#5=38.0'	WHC#4 TO WHC#10=86.0"			
WHC#5 TO WHC#4=38.0'	5	- TROTTER POINT COURT	WHC#5 TO MH#6=42.0'	WHC#5 TO MH#5 = 59.0'			
WHC#6 TO MH#5=45.0'	6	- TROTTER POINT COURT	WHC#6 TO MH #6 = 24.0'	WHC = 6 TO WHC = 7 = 38.0'			
WHC +7 TO MH +6=15.0'	7	- TROTTER POINT COURT	WHC+7 TOMH+6 = 16.0'	WHC#7 TO WHC#8=10.0'			
WHC#8 TO WHC#6=46.0'	8	- TROTTER POINT COURT	WHC#8 TO MHC#7 =10.0'	WHC#8 TO MH#6=22.0'			
WHC#9 TO WHC #8 = 54.0'	9	- TROTTER POINT COURT	WHC#9 TO MH #6 = 36.0'	WHC+9 TO MH+5=41.0'			
WHC#10 TO MH#3=\$1.0'	10	- TROTTER POINT COURT	WHC . TO WHC . II - 47.0	WHC # 10 TO TEST STATION(S.03)=45			
WHC#11 TO WHC#3=78.0'	11	- TROTTER POINT COURT	WHC = 11 TO WHC = 10=47.0'	WHC#11 TO MH#3=46.0"			
WHC #12 TO CURBOPEN INLET = 62.0'	12	- TROTTER POINT COURT	WHC #12 TO WHC #13 = 62.0'	WHC \$12 TO WHC #2 = 71.0'			
WHC#13 TO WHC#2:90.0'	13	- TROTTER POINT COURT	WHC=13 TO WHC=14 = 64.0'	WHC #13 TO WHC #12=62.0'			
WHC#14 TO WHC#13=64.0'	14	- TROTTER POINT COURT	WHC414 TO FH.41 = 53.0'	WHC #14 TO CURB OPEN INLET#1=49			

	SEWER SERVICE AS-BUILT LOCATION TABLE						
LOCATION DIMENSION #3	LOT	ADDRESS	LOCATION DIMENSION #1	LOCATION DIMENSION #2			
SHC#1 TO CUAR OPEN INLET #1=17'	1	- TROTTER POINT COURT	SHC #1 TO SHC#14 = 77.0'	SHC#1 TO MH#2=91.0'			
SHC#2 TO CURS OPEN INLET#2=53"	2	- TROTTER POINT COURT	SHC#Z TO MH#3=52.0'	SHC#2 TO SHC#4=72.0'			
SHC#3 TO CURB OPEN INLET#2=24"	3	- TROTTER POINT COURT	SHC #3 TO MH#3-67.0'	SHC#3 TO SHC#4 89.0"			
SHC #4 TO SHC #2= 71.0'	4	- TROTTER POINT COURT	SHC #4 TO MH#3-43.0"	SHC.#4 TO SHC#3=89.0'			
SHC#5 TO MH#5 = 50.0'	5	- TROTTER POINT COURT	SHC+5 TO FH=2=69.0"	SHC#5 TO MH#2 = 69.0'			
SHC#6 TO WHC#7 = 21.0'	6	- TROTTER POINT COURT	5HC #6 TO MH#6=14.0'	SHC #6 TO WHC #6=19.0'			
SHC #7 TO WHC#8 = 20.0'	7	- TROTTER POINT COURT	SHC#7 TO MH#6=14.0'	SHC+7 TO WHC+6=31.0"			
SHC#8 TO TEST STATION- 22.0'	8	- TROTTER POINT COURT	SHC#8 TO MH#6=20.0'	SHC #8 TO WHC #7 = 5.0'			
SHC#9 TO MH #5=45.0'	9	- TROTTER POINT COURT	SHC #9 TO MH #6 = 39.0'	SHC+9 TO WHC +6=37.0'			
SHC #10 TO TEST STATION = 54.0"	10	- TROTTER POINT COURT	SHC#10 TO MH#3=45.0'	SHC+10 TO WHC +11 = 37.0'			
SHC#II TO CUBB OPEN INLET#2= 50'	11	- TROTTER POINT COURT	SHC#11 TO MH#3=85.0'	SHC #1) TO SHC #10 = 93.0"			
SHC #12 TO WHC#13=43.0'	12	- TROTTER POINT COURT	SHC#12 TO SHC#13:63.0'	SHC +12_TO TEST STATION = 24.0'			
SHC #13 TO SHC#12 = 43.0'	13	- TROTTER POINT COURT	SHC#13 TO SHC #12=63.0'	SHC = 13 TO WHC #12 = 83.0"			
5HC +14 TO 5HC+13=62.0'	14	- TROTTER POINT COURT	5HC #14 TO FH # 2 = 37.0'	SHC#14 TO SHC#1 = 77.0'			

		SEWER MANHO	DLE — STF	RUCTURE S	SCHEDULE			
NO.	TYPE	LOCATION	INVERT IN	SHC INV.	INVERT OUT	TOP ELEV.	HO.CO. STD.	REMARKS
MH-1	4.0'ø "DOGHOUSE"	TROTTER POINT COURT STA.0+12.63 OFFS 21.33' RT.	376.28	ž <u>–</u>	376.28	385.02	G-5.15	EX. CONTR. #34-4170-D
MH-2	STD. 4.0'Ø PRE-CAST	TROTTER POINT COURT STA.0+35.16 OFFS 7.0' RT.	376.90		376.80	384.87	G-5.12	
MH-3	STD. 4.0'ø PRE-CAST	TROTTER POINT COURT STA.3+48.73 OFFS 6.7' RT.	396.25	-	396.15	407.05	G-5.12	
MH-4	STD. 4.0'Ø PRE-CAST	TROTTER POINT COURT STA.4+90.28 OFFS 7.0' RT.	400.60	400.93	400.50	412.78	G-5.12	
MH-5	STD. 4.0'Ø PRE-CAST	TROTTER POINT COURT STA.5+18.28 OFFS 22.3' RT.	401.35	-	401.25	412.95	G-5.12	_
MH-6	TERMINAL	UIC DRIVEWAY N 563,031.8 E 1,334,761.9		(3)402.98	402.65	415.40	S-1.31	
NOTES:			4	adi, aan aan aan aan aan aan aan aan ah aan ah	**************************************		······································	

1. STRUCTURE LOCATION FOR MANHOLES IS AT THE CENTER OF THE STRUCTURE.

BY: DFI DATE: 12/12/13

NOTE: HOUSE CONNECTIONS TO BE SIZED ACCORDINGLY: SINGLE WHC = 1-1/2" SINGLE SHC = 4"

BLOCKS: 2

PUBLIC WATER AND SEWER

PLAN VIEW

NOTE: CONTRACTORS TO EXERCISE EXTREME CAUTION WHEN WORKING IN AREA OF EXIST. OVERHEAD LINES ALONG TROTTER ROAD

NOTE: ALL JOINTS AND CONNECTIONS LOCATED WITHIN STRUCTURAL FILL AREAS SHALL BE MECHANICALLY RESTRAINED IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST EDITION)

TROTTER POINT LOTS 1-14 & OPEN SPACE LOTS 15-18

TAX MAP 43; PARCELS 8, 9 & 165; GRID 2 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND CONTRACT No.34-4728-D SCALE: AS SHOWN SHEET NO. 2 OF 3

9695 NORFOLK AVENUE LAUREL, MD 20723 (410) 792-2565

BENCHMARK ENGINEERS & LAND SURVEYORS & PLANNERS ENGINEERING, INC.

ELLICOTT CITY, MARYLAND 21043

PHONE: 410-465-6105 FAX: 410-465-6644

DES: MCR/BFC DRN: MCR/BFC DATE: 2/01/2013 BY NO. DATE 600 SCALE MAPS: 35 REVISIONS

DEPARTMENT OF PLANNING AND ZONING

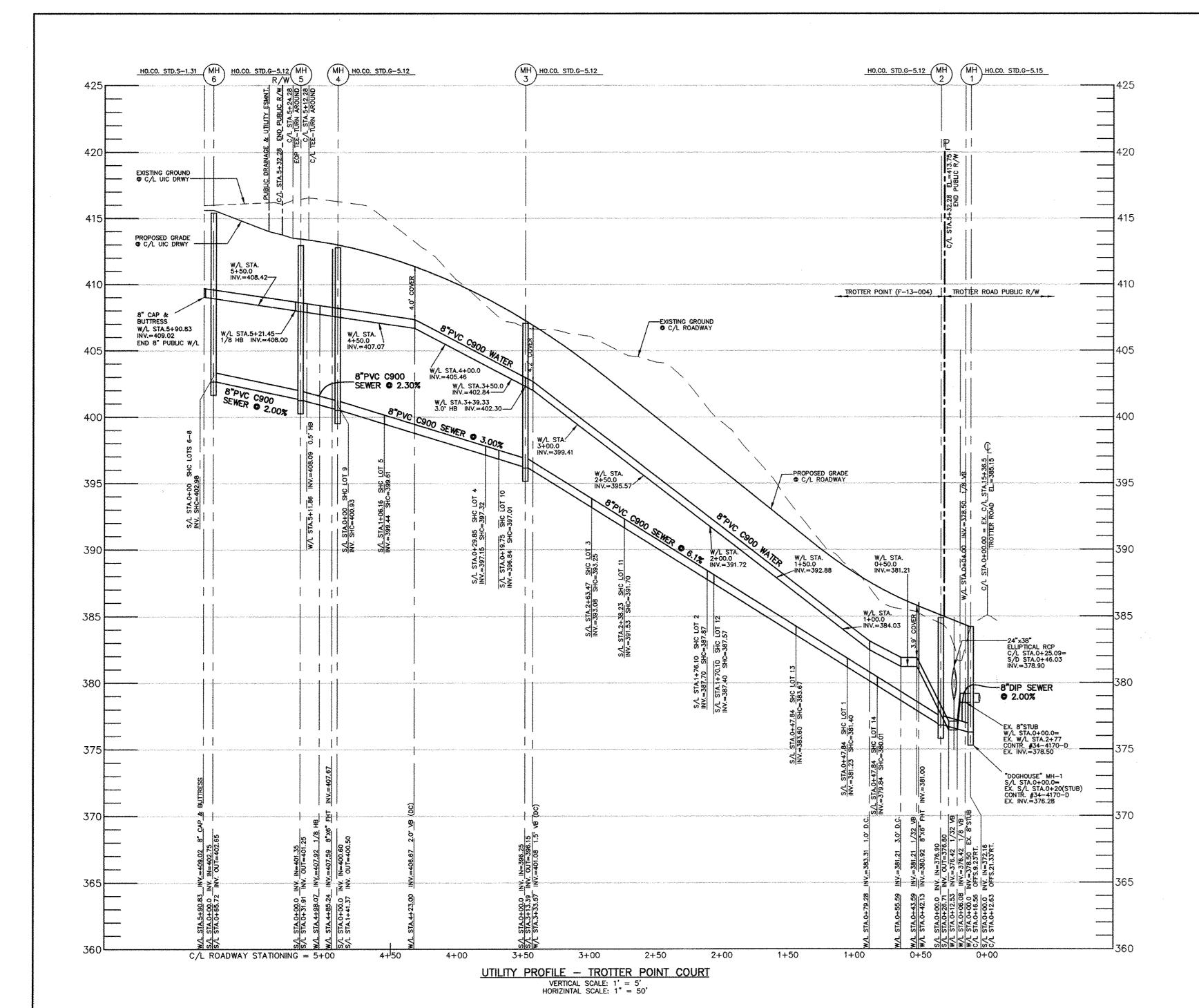
HOWARD COUNTY, MARYLAND

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DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND

CHIEF, BUREAU OF UTILITIES



	WHC CHART							
Lot	W/L	invert @	Invert @	Notes				
Number	Sta.	W/M	RW/PUE					
1	1+26.54	388.52	388.82					
2	2+11.68	392.63	392,93	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
3	2+89.04	398.58	398.88					
4	4+12.64	406.13	406.43					
5	4+50.86	407.08	407.38					
6	5+61.81	408.73	409.03	<u>, , , , , , , , , , , , , , , , , , , </u>				
7	5+81.83	408.89	409.19					
8	5+86.83	408.96	409.26					
9	5+53.47	408,60	408.90					
10	3+67.78	403.78	404.08					
11	3+22.67	401.17	401.47					
12	2+17.00	393.04	393.34					
13	1+54.93	388.27	388.57					
14	0+92.43	383.47	383,77	7, 4, 2				

SHC CHART										
Lot	S/L	Invert @ main	Invert @	Drop House	Invert @ top	SHC	Invert @	Minimum	Notes	
Number	Sta.	or manhole	SHC		of standpipe	Slope	RW/PUE	Cellar		
1	0+73.97	381.45	381.62	no		2.00%	381.98	386.82		
2	1+76.10	387.70	387.87	no		2.00%	388.23	393.13		
3	2+53.47	392.63	392.80	no		2.00%	393,16	397.90		
4	0+29.85	397.15	397.32	no		2.00%	397.68	402.42		
5	1+01.16	399.29	399.46	no		2.00%	399.82	404.56		
6	MH-6	402.98	N/A	no		2.00%	403.23	407.98		
7	MH-6	402.98	N/A	no		2.00%	403.26	408.83		
8	MH-6	402.98	N/A	no		2.00%	403.43	407.86		
9	0+53.85	402.43	402.60	no		2.00%	403.00	407.02		
10	0+18.10	396.80	396.97	no		2.00%	397.61	402.07		
11	2+38.23	391.53	391.70	no		2.00%	392.34	397.34		
12	1+71.10	387.40	387.57	no		2.00%	388.21	393.71		
13	1+09.10	383.60	383.77	no		1.00%	384.09	388.09	SHC @ 1.0%	
14	0+47.84	379.84	380,01	no		1.00%	380.33	384.33	SHC @ 1.0%	

OWNER/DEVELOPER TROTTER POINT, L.L.C. 9695 NORFOLK AVENUE LAUREL, MD 20723 (410) 792-2565

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418

ELLICOTT CITY, MARYLAND 21043

PHONE: 410-465-6105 FAX: 410-465-6644

DEPARTMENT OF PLANNING AND ZONING **BENCHMARK** HOWARD COUNTY, MARYLAND ENGINEERS & LAND SURVEYORS & PLANNERS ENGINEERING, INC.

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. 28559; Expiration Date: 7-22-2013

	DES: MCR
	DRN: MCR
	СНК:
3) (013	DATE: 2/01

DAT	E: 2/01/2013	BY	NO.	REVISIONS	DAT
СНК	: BFC				
DRN	: MCR/BFC				
	MCIGDIC		-		
DES	MCR/BFC				

NOTE: CONTRACTORS TO EXERCISE EXTREME CAUTION WHEN WORKING IN AREA OF EXIST. OVERHEAD LINES ALONG TROTTER ROAD

NOTE: ALL JOINTS AND CONNECTIONS LOCATED WITHIN STRUCTURAL FILL AREAS SHALL BE MECHANICALLY RESTRAINED IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST EDITION)

BY: OFI DATE: 12/12/13

TROTTER POINT

LOTS 1-14 & OPEN SPACE LOTS 15-18 TAX MAP 43; PARCELS 8, 9 & 165; GRID 2

<u>DETAIL - UTILITY CONNECTIONS</u> SCALE: 1" = 20'

FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SHEET NO. 3 OF 3

AS SHOWN

DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND

NOTE: HOUSE CONNECTIONS

TO BE SIZED ACCORDINGLY:

BLOCKS: 2

SINGLE WHC = 1-1/2"

SINGLE SHC = 4"

PUBLIC WATER AND SEWER

PROFILE VIEW

DATE 600 SCALE MAPS: 35

CONTRACT No.34-4728-D

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