

QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT 12-12-12		
		QUANTITIES	TYPE	MANUF./SUPPLIER
6" WATER	40 L.F.	14.5 L.F.	C-900 PVC	JM EAGLE / LIB WATER SERVICE
8" WATER	566.9 L.F.	567 L.F.	C-900 PVC	JM EAGLE / LIB WATER SERVICE
1" METER VAULTS	9 EA.	9	PLASTIC CURB BOX	ARMOR ACCESS BOX / LIB WATER SERVICE
FIRE HYDRANTS	2 EA.	2	BRASS (ORANGE)	AMERICAN FLOW CONTROL / LIB WATER SERVICE
1" WHC	230.0 L.F.	232 L.F.	COPPER	CAMBRIDGE-LEE / LIB WATER SERVICE
8" x 6" FH TEE	2 EA.	2	PT EPOXY COATED	TYLER PIPE / LIB WATER SERVICE
8" x 12" TSV	1 EA.	1	STAINLESS STEEL	FORD METER BOX / LIB WATER SERVICE
8" CAP & BUTT.	1 EA.	1	PT EPOXY COATED	TYLER PIPE / LIB WATER SERVICE
8" VALVE	1 EA.	1	TAPPING	AMERICAN FLOW CONTROL / LIB WATER SERVICE
6" VALVE	2 EA.	2	GATE	AMERICAN FLOW CONTROL / LIB WATER SERVICE
8" 1/8 H.B.		4		TYLER PIPE
8" SEWER	536.1 L.F.	518 L.F.	PVC SDR-35	JM EAGLE / LIB WATER SERVICE
4" SHC	175.0 L.F.	155.5 L.F.	PVC SDR-35	JM EAGLE / LIB WATER SERVICE
MANHOLES	2 EA.	2	PRECAST	ATLANTIC CONCRETE PRODUCTS INC.
'DOGHOUSE' MH	1 EA.	1	PRECAST	ATLANTIC CONCRETE PRODUCTS INC.

NAME OF UTILITY CONTRACTOR:
SURVEY AND DRAFTING DIVISION AS-BUILT DATE: 12-12-12

PUBLIC WATER AND SEWER CONSTRUCTION PLANS

ROCKY GORGE OVERLOOK

LOTS 1 THRU 3 & LOTS 5 THRU 10 AND OPEN SPACE LOTS 4 & 11

TAX MAP 46 - GRID 12 - PARCEL 289

6th ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

CONTRACT No.24-4449-D

BENCH MARKS - NAD '83

HO. CO. #46C3 EL=334.488
N-537,405.865 E=1,347,556.237
STAMPED DISC ON CONC. MONUMENT
25.1' NW FROM EX. FH ALONG W. EDGE
OF LEISHAR ROAD; 30.0' FROM EOP;
400' NE FROM INT. OF MD RTE. 216

HO. CO. #47AA EL=363.428
N-580,948.934 E=1,364,974.471
STAMPED DISC ON CONC. MONUMENT
109.4' N FROM BGE POLE #231865;
252.5' S FROM INT. GREATLACH RD;
22.4' E FROM C/L LEISHAR ROAD

ADC MAP 19; GRIDS D-7
VICINITY MAP
SCALE: 1"=2000'

LEGEND

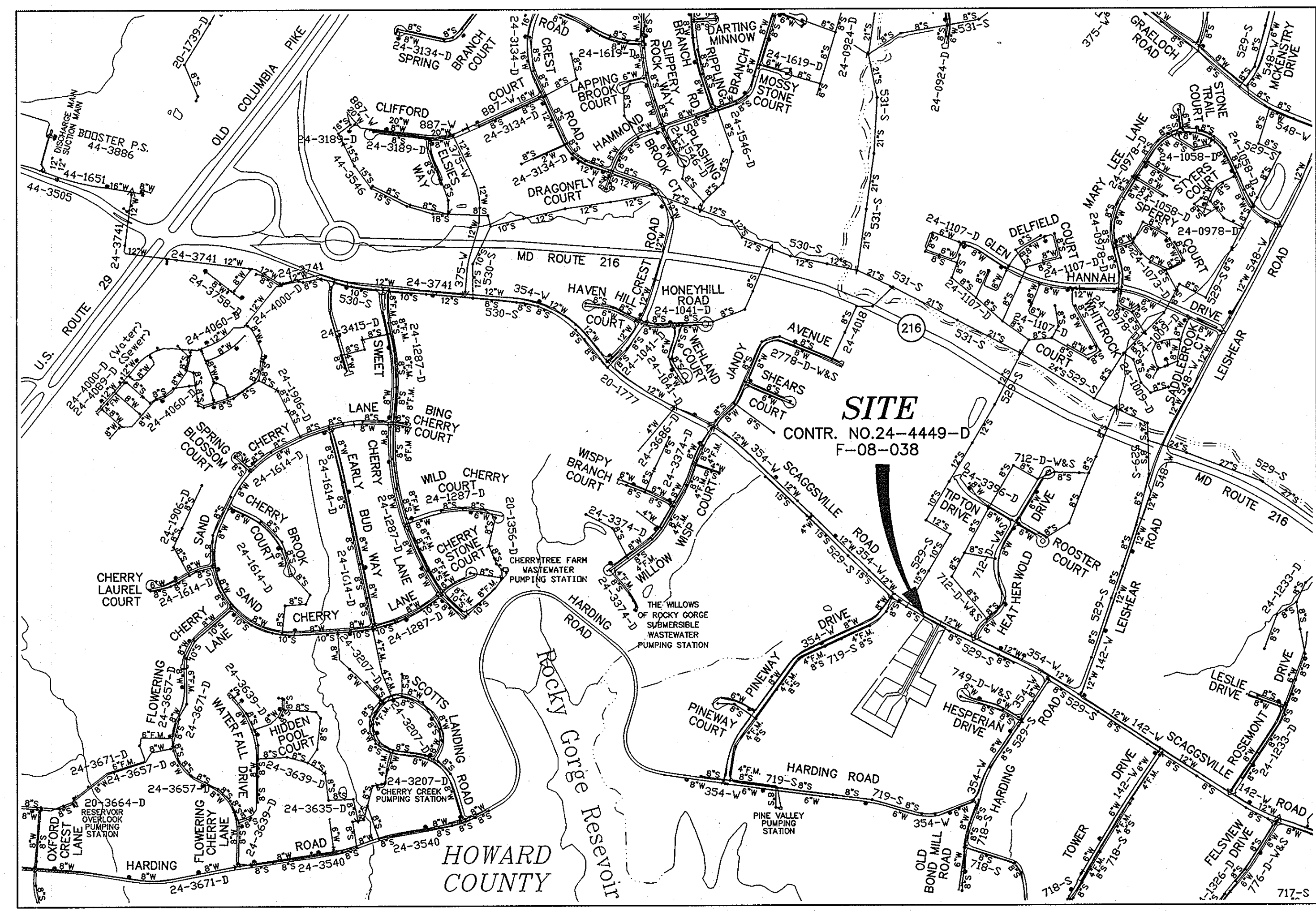
EXIST. WATER MAIN	---
EXIST. SEWER MAIN	---
EXIST. SEWER MANHOLE	○
EXIST. STORM DRAIN	---
PROP. WATER MAIN	---
PROP. SEWER MAIN	---
PROP. STORM DRAIN	---
PROP. SEWER MANHOLE (BY OTHERS)	○
PROP. TERMINAL MANHOLE	○
PROP. SEWER HOUSE CONNECTION	---
PROP. DROP SEWER HOUSE CONN. (SEE PLAN VIEW FOR TYPE)	---
PROP. WATER HOUSE CONNECTION	---
PROP. FIRE HYDRANT	---
PROP. VALVE	---
PROP. PLUG & BUTTRESS	---

SHEET INDEX

NO.	DESCRIPTION
1	PUBLIC WATER & SEWER TITLE SHEET
2	PUBLIC WATER & SEWER PLAN, NOTES, AND DETAILS
3	PUBLIC WATER & SEWER PPROFILES, NOTES, AND DETAILS

PART 2 - WATER (CONTINUED)

10. UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS, SEVENTEEN (17) POUNDS 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 FITTING INCLUDING RESTRAINTS AND HARNESSSES. 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.



- GENERAL NOTES**
- PART 1 - GENERAL**
- 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 SURVEYS WERE PERFORMED ON OR ABOUT OCTOBER, 2003 AND DECEMBER, 2004 BY BENCHMARK ENGINEERING, INC., AND ARE SHOWN AT 2' INTERVALS.
 - ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES, NAD 83/91. ALL VERTICAL CONTROLS ARE BASED ON NAVD 88.
 - 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 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.
 - 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 (CONSTRUCTION SERVICES)	410-850-4620
BGE (ENERGY)	410-685-1400
HO. CO. DPW - BUREAU OF UTILITIES	410-313-4900
COLONIAL PIPELINE CO.	410-795-1390
MISS UTILITY	1-800-257-7777
STATE HIGHWAY ADMINISTRATION	410-531-5833
VERIZON	1-800-743-0033/410-224-9210
 - 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.
 - 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(c) OF THE HOWARD COUNTY CODE.
- PART 2 - WATER**
- ALL WATER MAINS TO BE 8" PVC C900 WATER COPIES UNLESS OTHERWISE NOTED.
 - TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 4'-0" 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 THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
 - THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
 - ALL WATER HOUSE CONNECTIONS (WHC) SHALL BE FOR INSIDE METER SETTINGS UNLESS OTHERWISE NOTED ON PLANS OR IN SPECIFICATIONS.
- PART 3 - 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 D.I.P. ONLY.
 - MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
 - MANHOLES DESIGNATED W.I. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVER, STANDARD DETAIL C-5.52. WHERE WATERTIGHT MAN. J.C. 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.
- PART 2 - WATER (CONTINUED)**
- FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATION SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE RESTRAINED AND BUTTRESSED WITH CONCRETE 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.
 - TRACER WIRE AND CONTINUITY TEST STATIONS SHALL BE INSTALLED ON ALL DIP AND PVC WATER MAINS IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL.
 - FOR PVC WATER MAINS, ALL RECORDS FOR THE QUALITY CONTROL AND QUALIFICATION TEST REQUIREMENTS NOTED IN SECTION 5.1 OF THE AWWA STANDARD CODE FOR PVC PRESSURE PIPE SHALL BE SUBMITTED WITH THE PIPE MATERIAL CERTIFICATION 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.

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

John R. Blanton 12/16/08
HOWARD SOIL CONSERVATION DISTRICT

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY STANDARD SPECIFICATIONS AND AS PER F-08-038

DEVELOPER/CONTRACT PURCHASER:
HICKORY KNOLLS, L.L.C.
11807 WOLLINGFORD COURT
CLARKSVILLE, MARYLAND 21029
PHONE: (410) 465-4244

(FOR COUNTY USE ONLY)
WATER AND SEWER COUNTY CODE

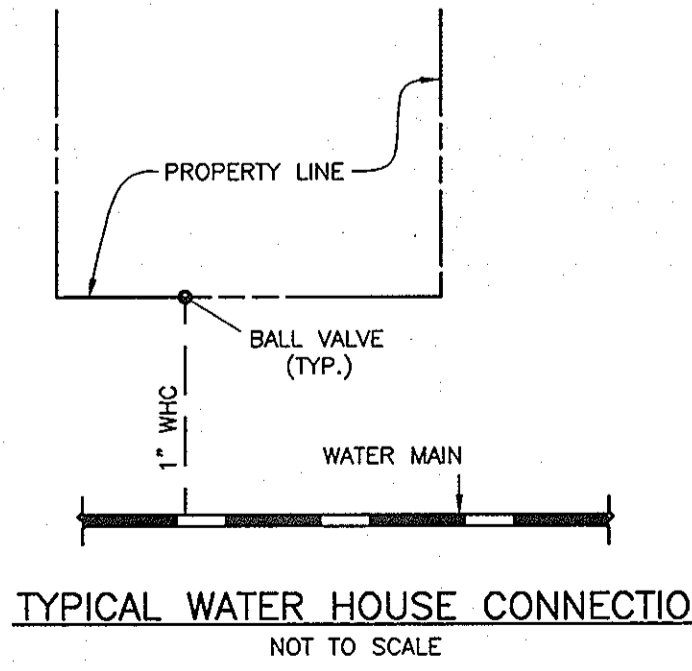
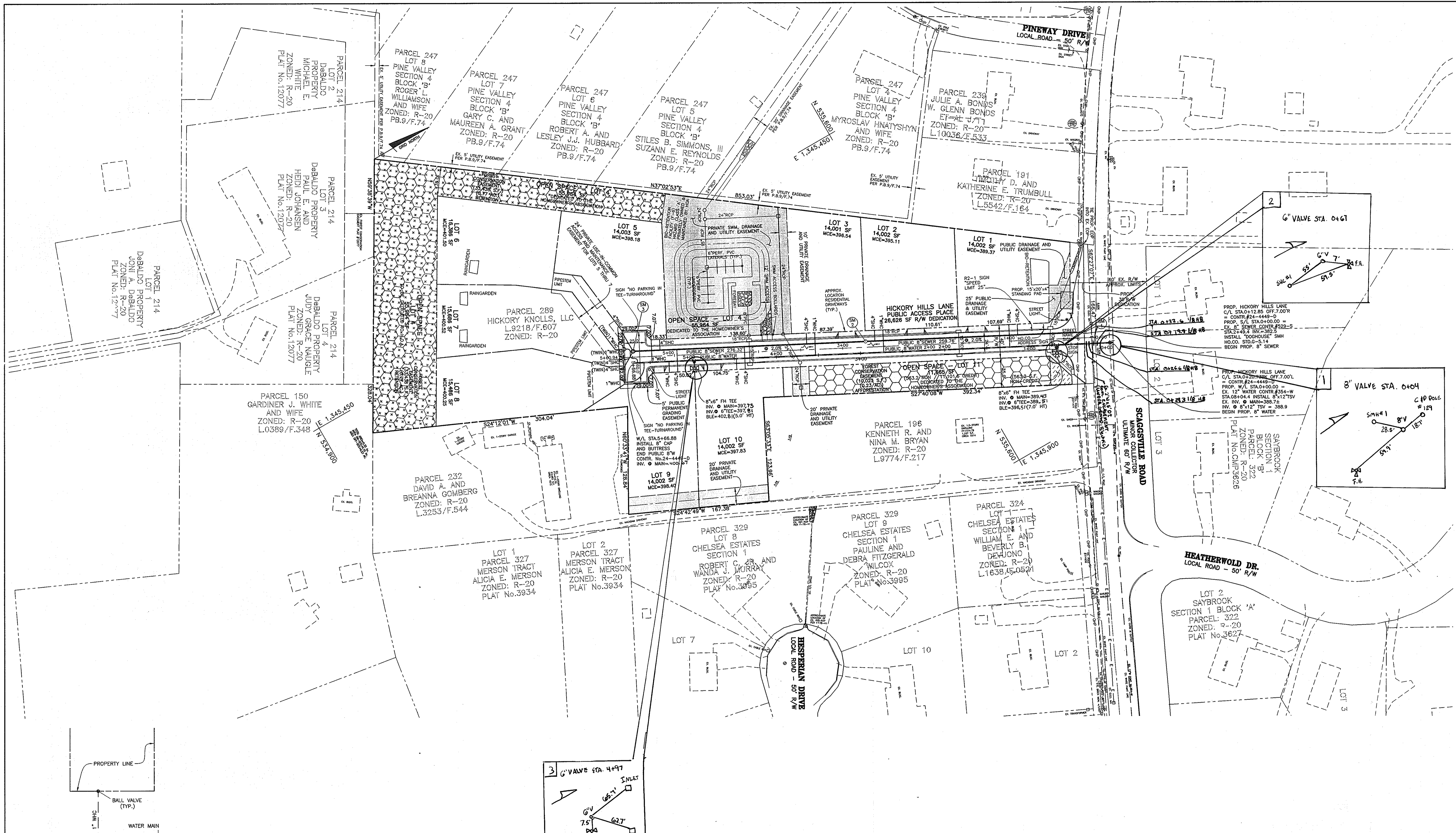
WATER CODE: E-18
SEWER CODE: 7550000
TEST GRADIENT: 700

TYPE OF BUILDING: SINGLE FAMILY RESIDENTIAL
NO. OF LOTS/PARCELS: 11 (INCL. 2 O.S.)
NUMBER OF SHC'S: 9
NUMBER OF WHC'S: 9
DRAINAGE AREA: PATUXENT
TREATMENT PLANT: LITTLE PATUXENT WTP

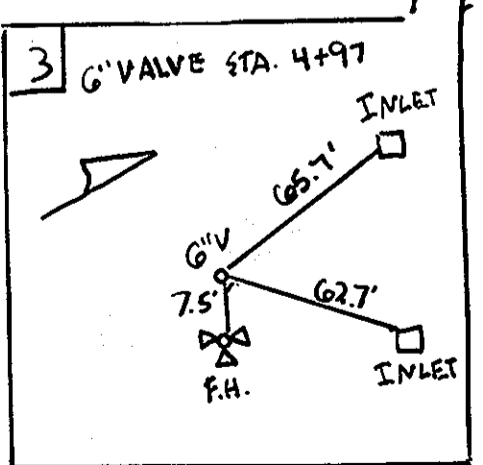
NOTE: CONTRACTORS TO EXERCISE EXTREME CAUTION WHEN WORKING IN AREA OF EXIST. OVERHEAD LINES ALONG SCAGGSVILLE ROAD

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)

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND	BENCHMARK ENGINEERING, INC. 8480 BALTIMORE NATIONAL PIKE SUITE 418 ELLCOTT CITY, MARYLAND 21043 PHONE: 410-465-6105 FAX: 410-465-6844 E-MAIL: be@beal-civilengineering.com	DES: MCR DRN: MCR CHK: DAM DATE: 11/21/08	BY: NO. REVISIONS B E I 1 REVISE WATER MAIN TO PVC & ADJUST PLANS ACCORDINGLY S J N 12	DATE: 01/01/09	PUBLIC WATER AND SEWER TITLE SHEET	ROCKY GORGE OVERLOOK LOTS 1 THRU 3 & LOTS 5 THRU 10 AND OPEN SPACE LOTS 4 & 11 TAX MAP 46 - GRID 12 - PARCEL 289 ELECTION DISTRICT NO. 6	SCALE: AS SHOWN
<i>Shane C. Coon</i> 12/15/08 CHIEF, BUREAU OF UTILITIES	<i>Clay Edmister</i> 12/23/08 CHIEF, DEVELOPMENT ENGINEERING DIVISION					600 SCALE MAPS:	CONTRACT No.24-4449-D	SHEET NO. 1 OF 3



DEVELOPER/CONTRACT PURCHASER:
 HICKORY KNOLLS, L.L.C.
 11807 WOLLINGFORD COURT
 CLARKSVILLE, MARYLAND 21029
 PHONE: (410) 465-4244



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

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND

Shane C. Lee 12/15/08
 CHIEF, BUREAU OF UTILITIES DATE

Paul Edward 12/23/08
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

BENCHMARK
 ENGINEERS & LAND SURVEYORS & PLANNERS
 ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE A SUITE 418
 ELLICOTT CITY, MARYLAND 21043
 PHONE: 410-465-6105 FAX: 410-465-6644
 E-MAIL: bml@benchmark-engineering.com

DES: MCR
 DRN: MCR
 CHK: DAM
 DATE: 11/21/08

DES:	MCR			
DRN:	MCR			
CHK:	DAM	KCI	AS-BUILT	12/21/08
DATE:	11/21/08	BET	REVISE WATER MAIN TO PVC AS JUST PLANS ACCORDINGLY	5/11/12
BY:	NO.		REVISIONS	DATE

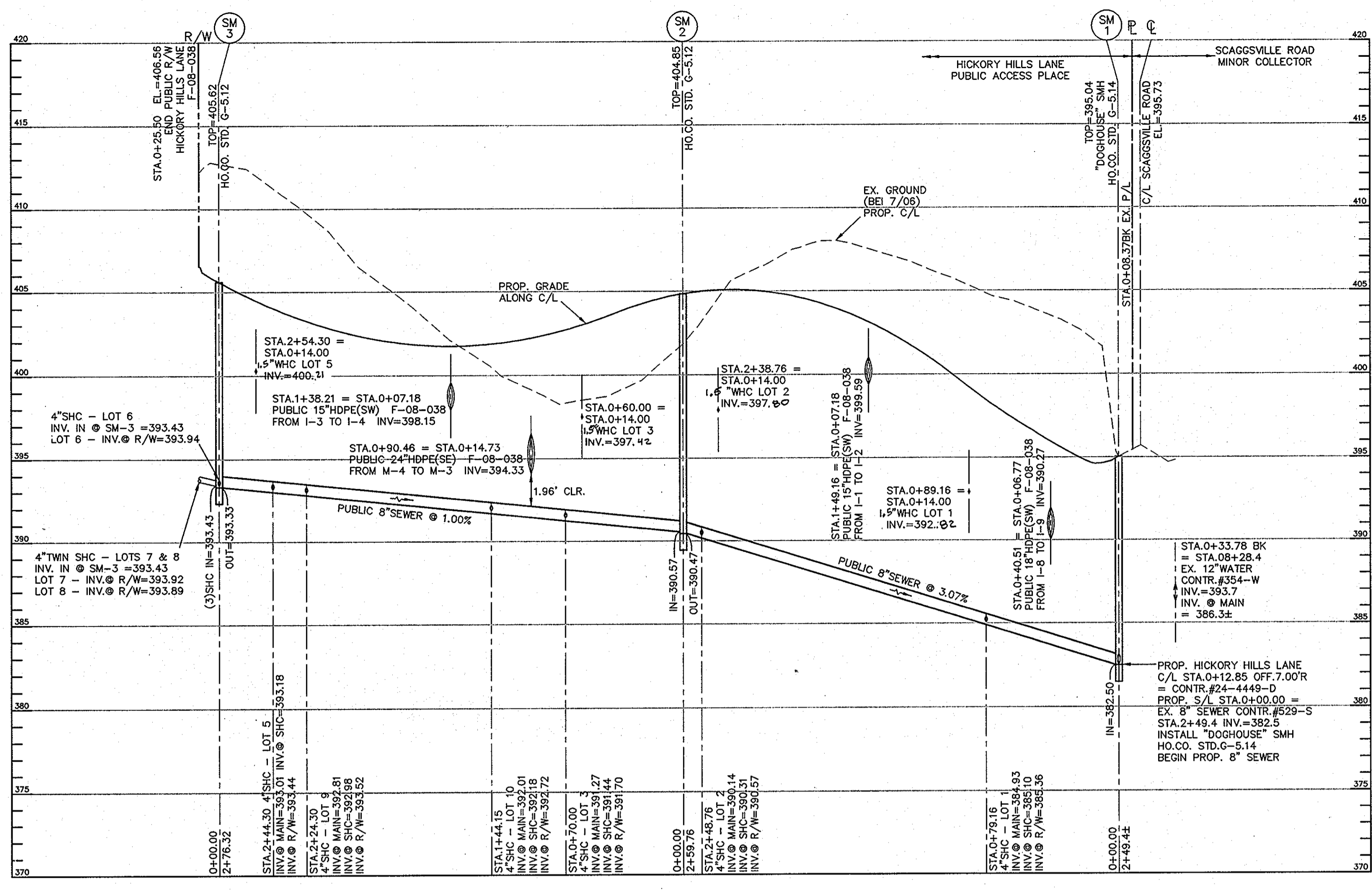
PUBLIC WATER AND SEWER PLAN, NOTES AND DETAILS

600 SCALE MAPS: BLOCKS:

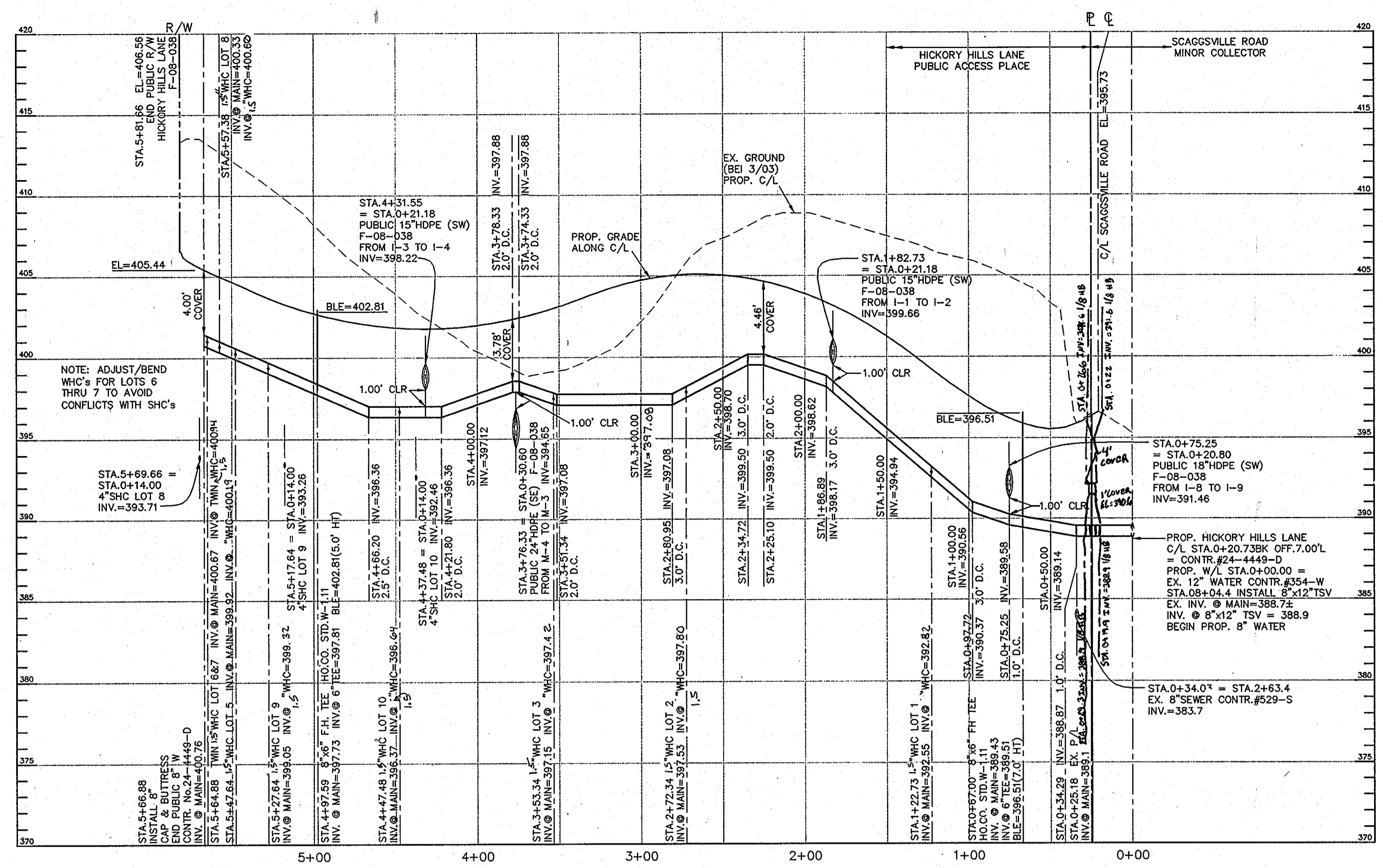
ROCKY GORGE OVERLOOK
 LOTS 1 THRU 3 & LOTS 5 THRU 10
 AND OPEN SPACE LOTS 4 & 11
 TAX MAP 46 - GRID 12 - PARCEL 289
 ELECTION DISTRICT NO. 6

CONTRACT No. 24-4449-D

SCALE: AS SHOWN
 SHEET NO. 2 OF 3



SEWER MAIN PROFILE
 VERTICAL SCALE: 1" = 5'
 HORIZONTAL SCALE: 1" = 50'



WATER MAIN PROFILE
 VERTICAL SCALE: 1" = 5'
 HORIZONTAL SCALE: 1" = 50'

NOTE: SHC's SHALL BE AT 2.0% TYP.

SEWER MANHOLE - STRUCTURE SCHEDULE									
NO.	TYPE	COORDINATE LOCATION	RDWY. C/L STA.	INVERT IN	SHC INV.	INVERT OUT	TOP ELEV.	HO. CO. STD.	REMARKS
SM-1	"DOGHOUSE" 4.0'	N 535,743.3 E 1,345,806.5	0+12.85 7.00' R	(PROP)382.5	(EX)382.5	395.04	395.04	G-5.14	TIE INTO CONTR. No.529-S
SM-2	STD. 4.0' PRE-CAST	N 535,513.2622 E 1,345,685.8499	2+72.61 7.00' R	390.57	-	390.47	404.85	G-5.12	-
SM-3	STD. 4.0' PRE-CAST	N 535,268.5392 E 1,345,557.5368	5+48.94 7.00' R	(2)393.43	-	393.33	405.62	G-5.12	END CONTRACT No.24-4481-D

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

SEWER HOUSE CONNECTION LOCATION AND ELEVATION DATA						
LOT NO.	RDWY. C/L STA.	INV. @ MAIN	INV. @ SHC	INV. @ R/W	MCE	REMARKS
LOT 1	0+92.00 7.00' R	384.93	385.10	385.36	389.37	SHC @ 2.0%
LOT 2	2+61.61 7.00' R	390.14	390.31	390.57	395.11	SHC @ 2.0%
LOT 3	3+42.61 7.00' R	391.27	391.44	391.70	396.54	SHC @ 2.0%
LOT 5	5+16.91 7.00' R	393.01	393.18	393.44	398.18	SHC @ 2.0%
LOT 6	5+48.94 7.00' R (SM-3)	393.43	393.60	393.86	401.50	SHC @ 2.0%
LOT 7	5+48.94 7.00' R (SM-3)	393.43	393.60	393.86	400.52	TWIN SHC @ 2.0% (HO.CO. STD S-2.14)
LOT 8	5+48.94 7.00' R (SM-3)	393.43	393.60	393.86	400.25	TWIN SHC @ 2.0% (HO.CO. STD S-2.14)
LOT 9	4+96.91 7.00' R	392.81	392.98	393.24	398.40	SHC @ 2.0%
LOT 10	4+16.75 7.00' R	392.01	392.18	392.44	397.83	SHC @ 2.0%

W/C AS BUILT		
LOT #	DISTANCE	DISTANCE
LOT 1 W/C	7.5' TO SHC #1	61.7' TO INLET #3
LOT 2 W/C	11.3' TO SHC #2	21.4' TO SMH #2
LOT 3 W/C	9.9' TO SHC #2	61.0' TO SMH #2
LOT 5 W/C	26.2' TO SHC #6	15.8' TO SHC #5
LOT 6 W/C	4.4' TO SHC #7	21.3' TO SHC #6
LOT 7 W/C	8.0' TO SHC #7	4.4' TO W/C #6
LOT 8 W/C	11.7' TO SHC #8	36.5' TO SMH #3
LOT 9 W/C	9.2' TO SHC #9	32.8' TO C VALVE
LOT 10 W/C	10.3' TO SHC #10	16.7' TO INLET

WATER HOUSE CONNECTION LOCATION AND ELEVATION DATA						
LOT NO.	RDWY. C/L STA.	W.M. C/L STA.	INV. @ MAIN	INV. @ W/C	INV. @ R/W	REMARKS
LOT 1	1+02.00 7.00' L	1+22.73	392.55	392.82	392.84	-
LOT 2	2+51.61 7.00' L	2+72.34	397.53	397.80	397.82	ADJUST TO AVOID SD (F-07-110)
LOT 3	3+32.61 7.00' L	3+53.34	397.15	397.42	397.44	-
LOT 5	5+26.91 7.00' L	5+47.64	399.92	400.19	400.21	-
LOT 6	5+44.15 7.00' L	5+64.88	400.67	400.94	400.96	TWIN W/C (HO.CO. STD W-3.23)
LOT 7	5+44.15 7.00' L	5+64.88	400.67	400.94	400.96	TWIN W/C (HO.CO. STD W-3.23)
LOT 8	5+36.65 7.00' L	5+57.38	400.33	400.60	400.62	-
LOT 9	5+06.91 7.00' L	5+27.64	399.05	399.32	399.34	-
LOT 10	4+26.75 7.00' L	4+47.48	398.37	398.64	398.66	-

SHC AS BUILT			
LOT #	DISTANCE	DISTANCE	DISTANCE
LOT 1 SHC	39.5' TO F.H.	55' TO C VALVE	-
LOT 2 SHC	80' TO LOT 3 SHC	14.5' TO SMH-2	-
LOT 3 SHC	85' TO LOT 10 SHC	71.5' TO SMH-2	26' TO SDMH-3
LOT 5 SHC	25' TO SMH-3	48.5' TO LOT 9 SHC	37' TO LOT 6 SHC
LOT 6 SHC	33.5' TO LOT 7 SHC	26' TO SMH-3	37' TO LOT 5 SHC
LOT 7 SHC	18' TO SMH-3	33.5' TO LOT 6 SHC	12.5' TO LOT 8 SHC
LOT 8 SHC	27' TO SMH-3	12.5' TO LOT 7 SHC	65.5' TO LOT 9 SHC
LOT 9 SHC	65.5' TO LOT 8 SHC	48.5' TO LOT 5 SHC	81.5' TO LOT 10 SHC
LOT 10 SHC	81.5' TO LOT 9 SHC	83' TO LOT 3 SHC	60.5' TO SDMH-3

WATER LINE APPURTENANCE DATA					
APPURTENANCE	RDWY. C/L STA.	W.M. C/L STA.	INV. @ MAIN	REMARKS	
8"x12" TSV	0+20.738K 7.00' L	0+00.00	388.7	(CONTR. No.354-W) INVERT=388.9	
8"x6" FH TEE	0+46.27 7.00' L	0+67.00	389.43	-	
FH	0+46.27 16.44' L	0+67.00	(6"TEE) 389.51	BLE=396.51 (7.0' HT)	
8"x6" FH TEE	4+76.86 7.00' L	4+97.59	397.73	-	
FH	4+76.86 16.10' L	4+97.59	(6"TEE) 397.81	BLE=402.81 (5.0' HT)	
8" CAP&BUTTRISS	5+46.15 7.00' L	5+66.88	400.67	END CONTR. No.24-4449-D	

PLEASE NOTE THAT THIS SHEET REPLACES THE PREVIOUS SHEET DATED 11/21/08

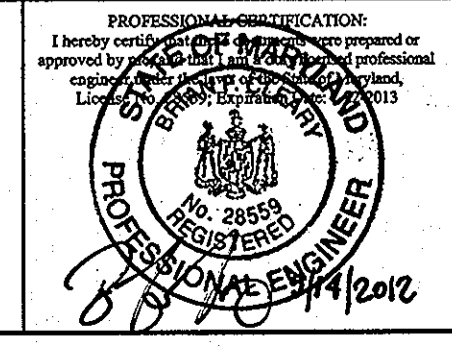
NOTE: CONTRACTORS TO EXERCISE EXTREME CAUTION WHEN WORKING IN AREA OF EXIST. OVERHEAD LINES ALONG SCAGGSVILLE ROAD

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)

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND

BENCHMARK
 ENGINEERS & LAND SURVEYORS & PLANNERS
 ENGINEERING, INC.



DES:	MCR
DRN:	MCR
CHK:	BFC
DATE:	5/11/12
BY:	NO.

REVISED
 PUBLIC WATER AND SEWER
 PROFILES, NOTES AND DETAILS

ROCKY GORGE OVERLOOK
 LOTS 1 THRU 3 & LOTS 5 THRU 10
 AND OPEN SPACE LOTS 4 & 11
 TAX MAP 46 - GRID 12 - PARCEL 289
 ELECTION DISTRICT NO. 6

SCALE:
 AS SHOWN
 SHEET NO.
 3 OF 3