

**GENERAL NOTES  
PART I**

- 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 MAY 2003, BY POTOMAC AERIAL SURVEYS, INC. SUPPLEMENTED BY FIELD RUN TOPOGRAPHY, PERFORMED BY FREDERICK WARD ASSOCIATES, OCTOBER 2003 AND FIELD RUN TOPOGRAPHY PERFORMED BY ROBERT H. VOGEL ENGINEERING, INC. ON DECEMBER 2006.
- THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD '83/91 AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS 0055 AND 388B.
- ALL VERTICAL CONTROLS ARE BASED ON NAVD' 88. VERTICAL CONTROLS PROVIDED ON DRAWINGS ARE:  
 GEODETIC SURVEY CONTROL 0055 (N 564363.703/E 1,39420.3634)  
 BRASS DISC SET ON TOP OF A CONCRETE MONUMENT, LOCATED IN THE GRASS MEDIAN INTERSECTION OF ROUTE 1 & B&O RAILROAD, 9.3' EAST OF RAIL ROAD AND SOUTH WEST CORNER OF CONC. STEPPED WINGWALLS.  
 GEODETIC SURVEY CONTROL 388B (N 561571.59/E 1,381,586.92)  
 BRASS DISC SET ON TOP OF A CONCRETE MONUMENT, LOCATED IN THE GRASS MEDIAN ALONG ROUTE 1 BETWEEN OLD WASHINGTON BLVD AND LEVERING AVE, 142' EAST OF 3881 BENCHMARK AND 9.96' WEST OF PC.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED.
- 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 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 LOCATION OF THE TEST PIT. A NOTES 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 OPERATION AT HIS OWN EXPENSE.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN THESE PLANS:  
 AT&T \_\_\_\_\_ 1-800-252-1133  
 BGE (CONTRACTOR SERVICE) \_\_\_\_\_ 410-850-4620  
 BGE (EMERGENCY) \_\_\_\_\_ 410-685-1400  
 BUREAU OF UTILITIES \_\_\_\_\_ 410-313-4900  
 COLONIAL PIPELINE CO \_\_\_\_\_ 410-795-1390  
 MISS UTILITY \_\_\_\_\_ 1-800-257-7777  
 STATE HIGHWAY ADMINISTRATION \_\_\_\_\_ 410-531-5533  
 VERIZON \_\_\_\_\_ 1-800-743-0033/410-224-9210
- 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.
- THE 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 HIGHWAYS, HOWARD COUNTY, AT (410) 313-7450 AT LEAST FIVE WORKING DAYS BEFORE ANY 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.
- A MDE WETLAND PERMIT IS REQUIRED FOR THE DISTURBANCE SHOWN ON THIS PLAN. MDE TRACKING #200862474, NO IN-STREAM CONSTRUCTION MAY OCCUR FROM 03/01 TO 06/15.

**PART II - WATER**

- ALL WATER MAINS TO BE C-900 PVC (DR-18), UNLESS OTHERWISE NOTED. ALL WATER IN FILL, SHALL HAVE RESTRAINED JOINTS. ALL C-900 PVC USED MUST COMPLY WITH THE HOWARD COUNTY DESIGN MANUAL VOLUME IV STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- 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.
- 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 RESTRAINED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAIL. THE SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 1005 OF THE STANDARD SPECIFICATIONS. ALL FIRE HYDRANTS ARE TO BE DIP ONLY.
- ALL DUCTILE IRON PIPE (DIP) TO BE USED ON THE PUBLIC WATER SYSTEM SHALL BE CLASS 54. DUCTILE IRON FITTINGS SHALL MEET THE REQUIREMENTS OF THE HOWARD COUNTY DESIGN MANUAL VOLUME IV STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING UNLESS OTHERWISE NOTED ON THE PLANS OR IN SPECIFICATIONS.
- FOR SPRINKLER SYSTEM FOR ALL TOWN HOMES OR MULTI-FAMILY DWELLING UNITS SHOULD HAVE A MINIMUM OF 1" CONNECTION WITH A 3/4" METER.
- ALL WATER MAIN CONSTRUCTION SHALL CONSIST OF PVC MAIN WITH EPOXY COATED DIP FITTINGS OR PVC MAIN WITH PVC FITTINGS.
- ALL VALVES ARE TO BE ATTACHED WITH IRON FITTINGS OR CONCRETE ANCHORS.

**PART II - WATER**

**NOTES FOR PVC WATER MAIN**

- ALL PVC WATERMAINS SHALL BE MEETING THE HOWARD COUNTY DESIGN MANUAL VOLUME IV STANDARD SPECIFICATIONS AND DETAILS.
- ALL DUCTILE IRON PIPE (DIP) TO BE USED ON THE PUBLIC WATER SYSTEM SHALL BE CLASS 54. DUCTILE IRON FITTING SHALL MEET THE REQUIREMENTS OF THE HOWARD COUNTY DESIGN MANUAL VOLUME IV STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- FIRE HYDRANTS ARE DIP ONLY.
- VALVES ARE TO BE ATTACHED WITH IRON FITTINGS OR CONCRETE ANCHORS.
- THE DIMENSION RATIO FOR THE PVC MAIN SHALL BE DR 18.
- WATER MAIN CONSTRUCTION SHALL CONSIST OF PVC MAIN WITH EPOXY COATED DIP FITTINGS OR PVC MAIN WITH OVC FITTINGS.

**PART III - SEWER**

- ALL SEWER MAINS SHALL BE C-900 PVC (DR-18), UNLESS OTHERWISE NOTED. ALL SEWER IN FILL, SHALL HAVE RESTRAINED JOINTS.
- 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.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL 05.52. WHERE WATERTIGHT FRAME AND COVER IS 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.

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND WITH FINAL ROAD CONSTRUCTION PLAN F-08-63

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

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

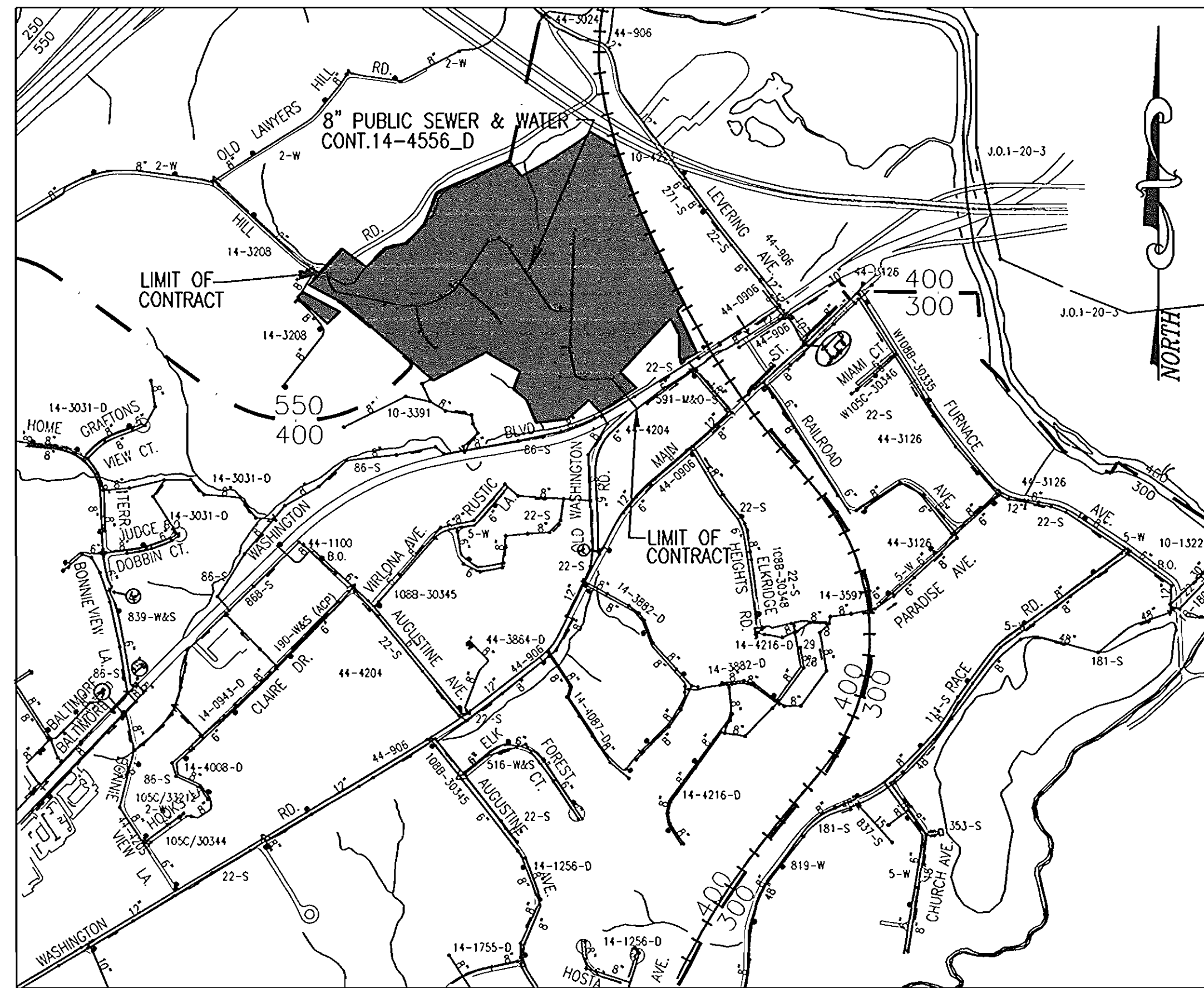
U.S. SOIL CONSERVATION DISTRICT REF: F-08-63

DATE: 12/2/08

**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. 16193  
 EXPIRATION DATE: SEPTEMBER 27, 2010

**OWNER/DEVELOPER**  
 CLAREMONT L.L.C.  
 11046 OORSCH FARM ROAD  
 ELLICOTT CITY, MARYLAND 21042  
 (410) 730-4556

# FINAL WATER AND SEWER CLAREMONT OVERLOOK CONTRACT NO. 14-4556-D



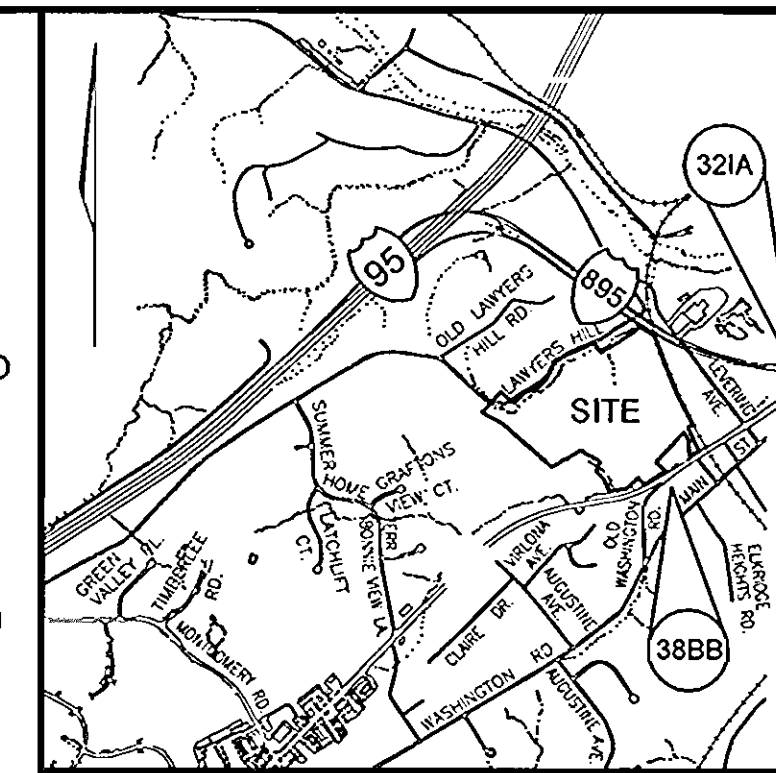
**VICINITY MAP**

SCALE: 1"=600'

TYPE OF BUILDING:	SINGLE HOUSE
NO. OF BUILDINGS:	49
NO. OF WATER HOUSE CONNECTIONS:	49
NO. OF SEWER HOUSE CONNECTIONS:	49
DRAINAGE AREA:	PATAPSCO RIVER
TREATMENT PLANT:	DEEP RUN

**LEGEND**

- EXISTING WATERLINE
- EXISTING ROADWAY
- EXISTING SEWER
- EXISTING RAILROAD
- EXISTING STREAM
- WATER ZONE
- TEST GRADIENT: 400



**LOCATION MAP**

SCALE: 1"=2000'  
 ADC COORDINATES: 17 H5

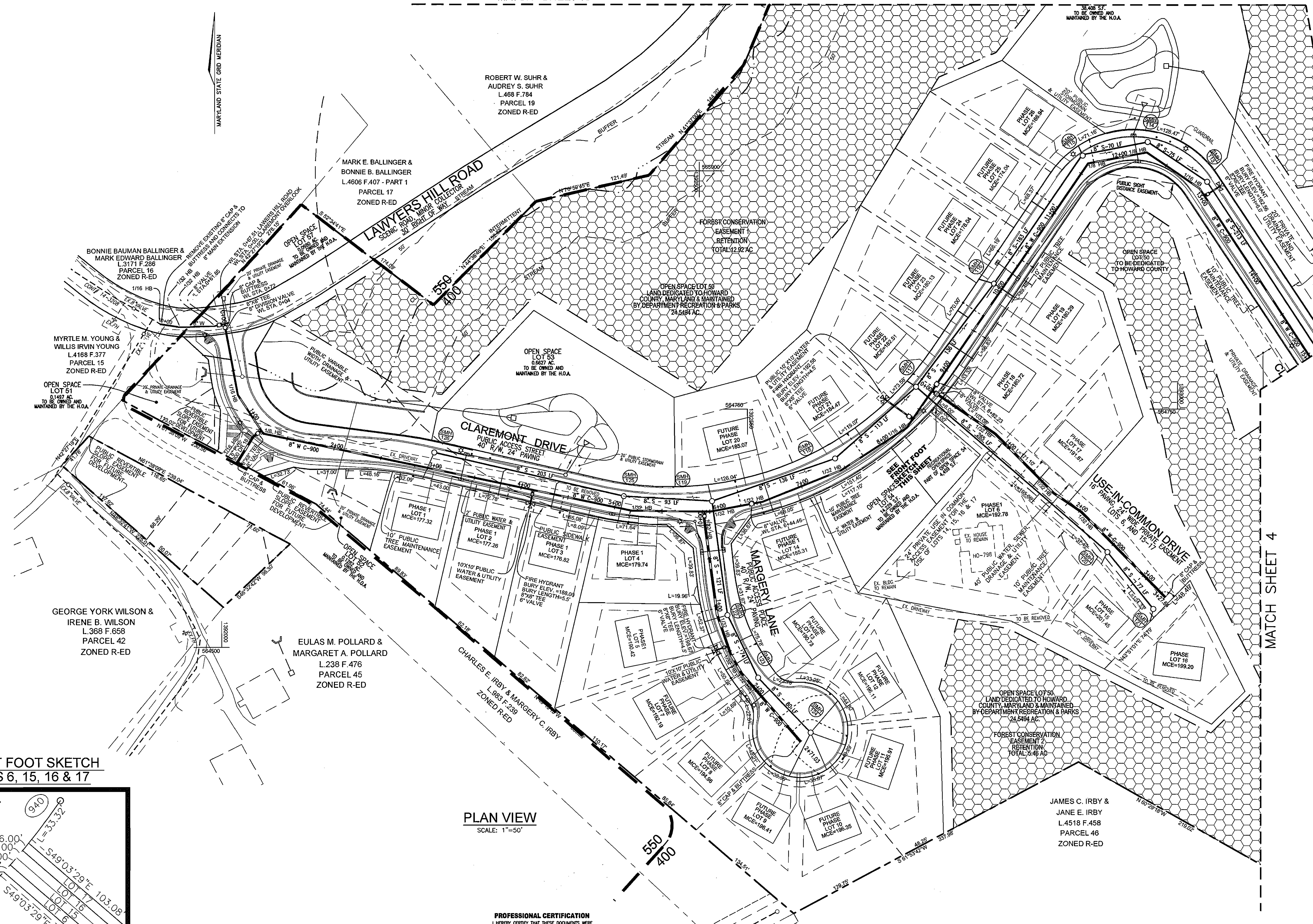
**BENCHMARKS**

NO.	NORTHING	EASTING	ELEVATION
321A	565,065.463'	1,395,212.248	27.696'
388B	564,007.646'	1,393,649.975	27.696'

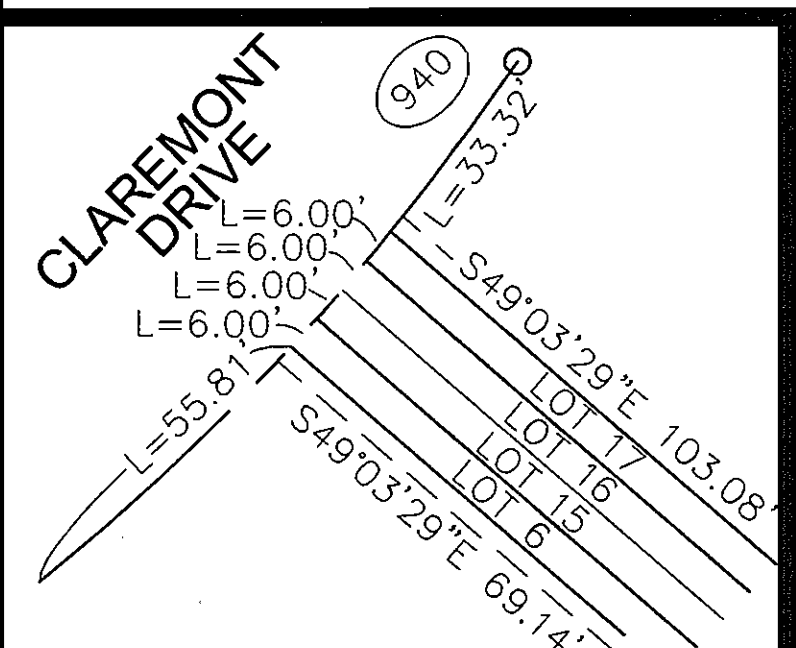
**QUANTITIES**

NAME OF UTILITY CONTRACTOR:				
SURVEY AND DRAFTING DIVISION AS-BUILT DATE:				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
8" W C-900 (DR-18)	3,798 LF			
6" W C-900 (DR-18)	170 LF			
8"x6" FIREHYDRANT TEE & VALVE	7 EACH			
DIVISION VALVE	1 EACH			
FIREHYDRANT	7 EACH			
8"x8" TEE	5 EACH			
8"x6" TEE	1 EACH			
8" VALVE	9 EACH			
8" CAP & BUTTRESS	5 EACH			
8"x8" TAPPING SLEEVE & VALVE	1 EACH			
8"x6" TAPPING SLEEVE & VALVE	1 EACH			
1/8 HB	5 EACH			
1/16 HB	8 EACH			
1/32 HB	17 EACH			
1/16 VB	1 EACH			
1/32 VB	3 EACH			
8" COUPLING	39 EACH			
8" SEWER MAIN	3,527 LF			
SEWER MANHOLES	29 EACH			
1" WHC	1,288 LF			
4" SHC	1,174 LF			

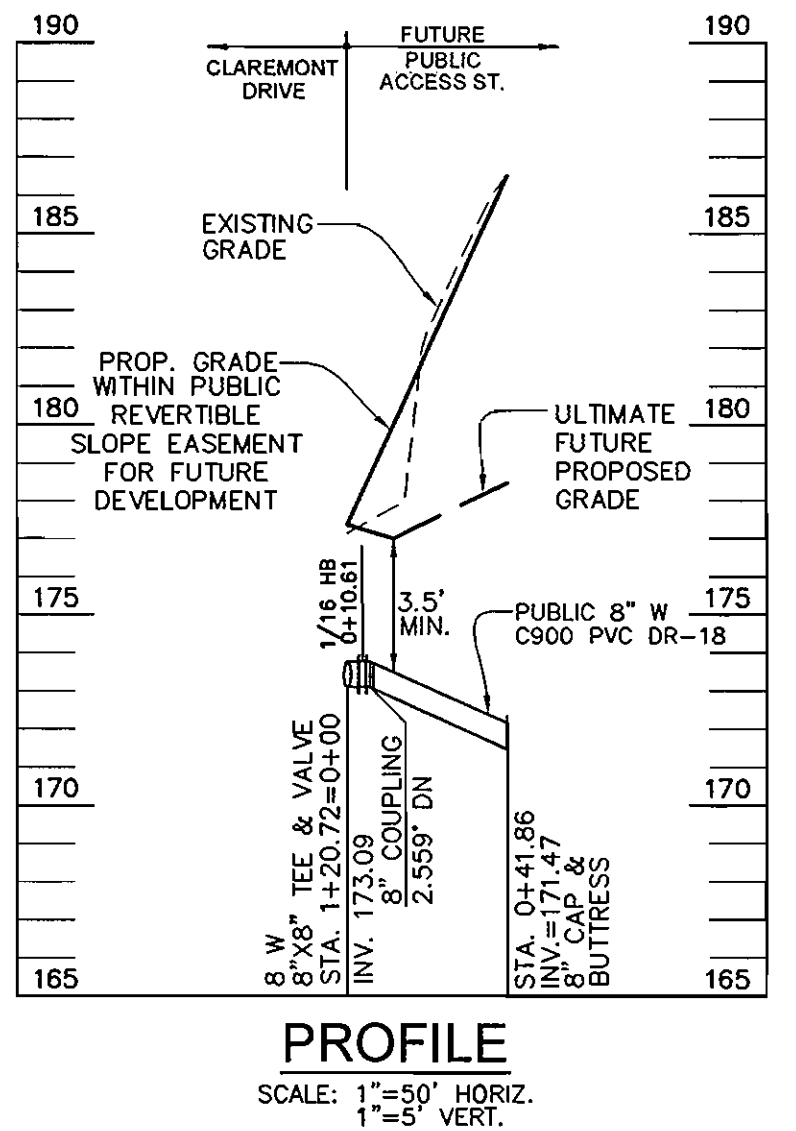
DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND	DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND	<b>ROBERT H. VOGEL ENGINEERING, INC.</b> ENGINEERS • SURVEYORS • PLANNERS 8407 MAIN STREET ELLICOTT CITY, MD 21043 TEL: 410.461.7666 FAX: 410.461.8951	DES: RJ DRN: RJ CHK: RHV DATE: OCTOBER 2008	BY NO. REVISION DATE	FINAL WATER AND SEWER COVER SHEET	CLAREMONT OVERLOOK CONTRACT NO. 14-4556-D	SCALE AS SHOWN SHEET 1 OF 9
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FRONT FOOT SKETCH  
LOTS 6, 15, 16 & 17

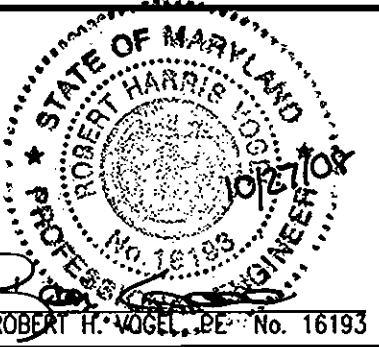


PLAN VIEW  
SCALE: 1"=50'



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

**PROFESSIONAL CERTIFICATION**  
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16183, EXPIRATION DATE: SEPTEMBER 27, 2010.



**ROBERT H. VOGEL ENGINEERING, INC.**  
ENGINEERS • SURVEYORS • PLANNERS  
8407 MAIN STREET TEL: 410.461.7669  
ELlicOTT CITY, MD 21043 FAX: 410.461.8969

DES:	RJ	REVISION	
DRN:	RJ	DATE:	OCTOBER 2008
CHK:	RHV	BY:	NO.
DATE:	OCTOBER 2008	REVISION	

**FINAL WATER AND SEWER PLAN VIEW**  
600' SCALE MAP NO. 32  
BLOCK NO. 21

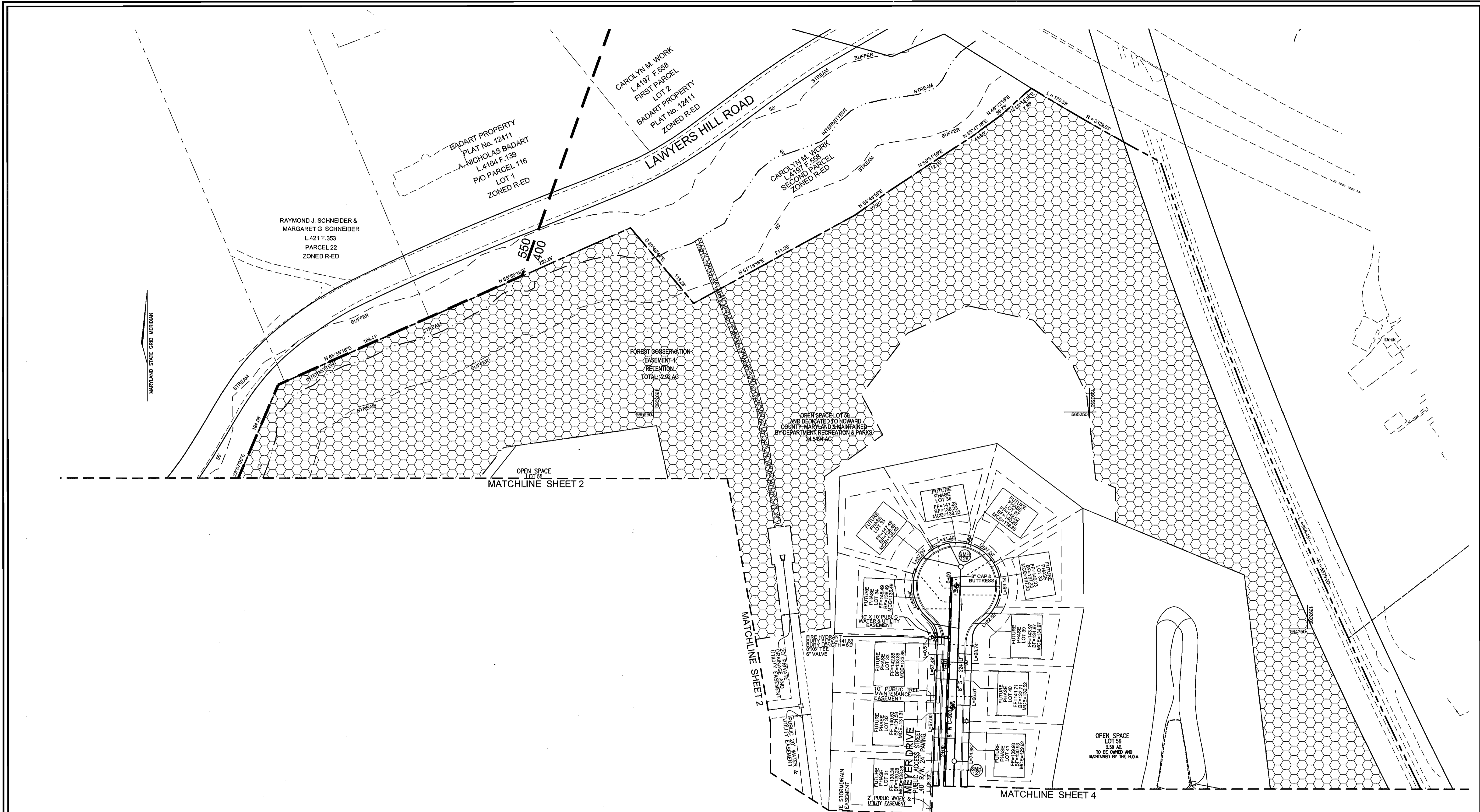
**CLAREMONT OVERLOOK**  
CONTRACT NO. 14-4556-D  
PARCEL 632 AND P/O 24  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 2 OF 9

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
DATE: 10/20/08

DEPARTMENT OF PLANNING & ZONING  
HOWARD COUNTY, MARYLAND  
DATE: 10/20/08

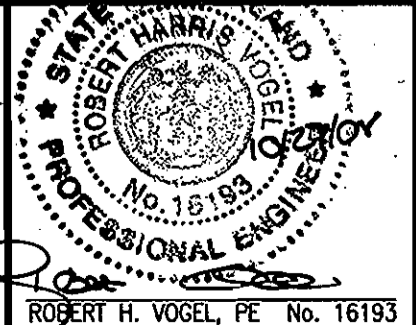
REF: F-08-63  
TAX MAP 32, BLOCK 21  
3RD ELECTION DISTRICT



PLAN VIEW  
SCALE: 1"=50'

OWNER/DEVELOPER  
CLAREMONT L.L.C.  
11046 DORSCH FARM ROAD  
ELLCOTT CITY, MARYLAND 21042  
(410) 730-4556

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PREPARED OR APPROVED BY ME, AND THAT I  
AM A FULLY LICENSED PROFESSIONAL ENGINEER  
USING THE OFFICE OF THE STATE OF MARYLAND,  
EXPIRES: 09/22/2010



DES:	RJ				
DRN:	RJ				
CHK:	RHV				
DATE:	OCTOBER 2008	BY	NO.	REVISION	DATE

FINAL WATER AND SEWER  
PLAN VIEW

CLAREMONT OVERLOOK  
CONTRACT NO. 14-4556-D

SCALE  
AS  
SHOWN

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
*Stake Clear*  
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING & ZONING  
HOWARD COUNTY, MARYLAND  
*[Signature]*  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

**ROBERT H. VOGEL, INC.**  
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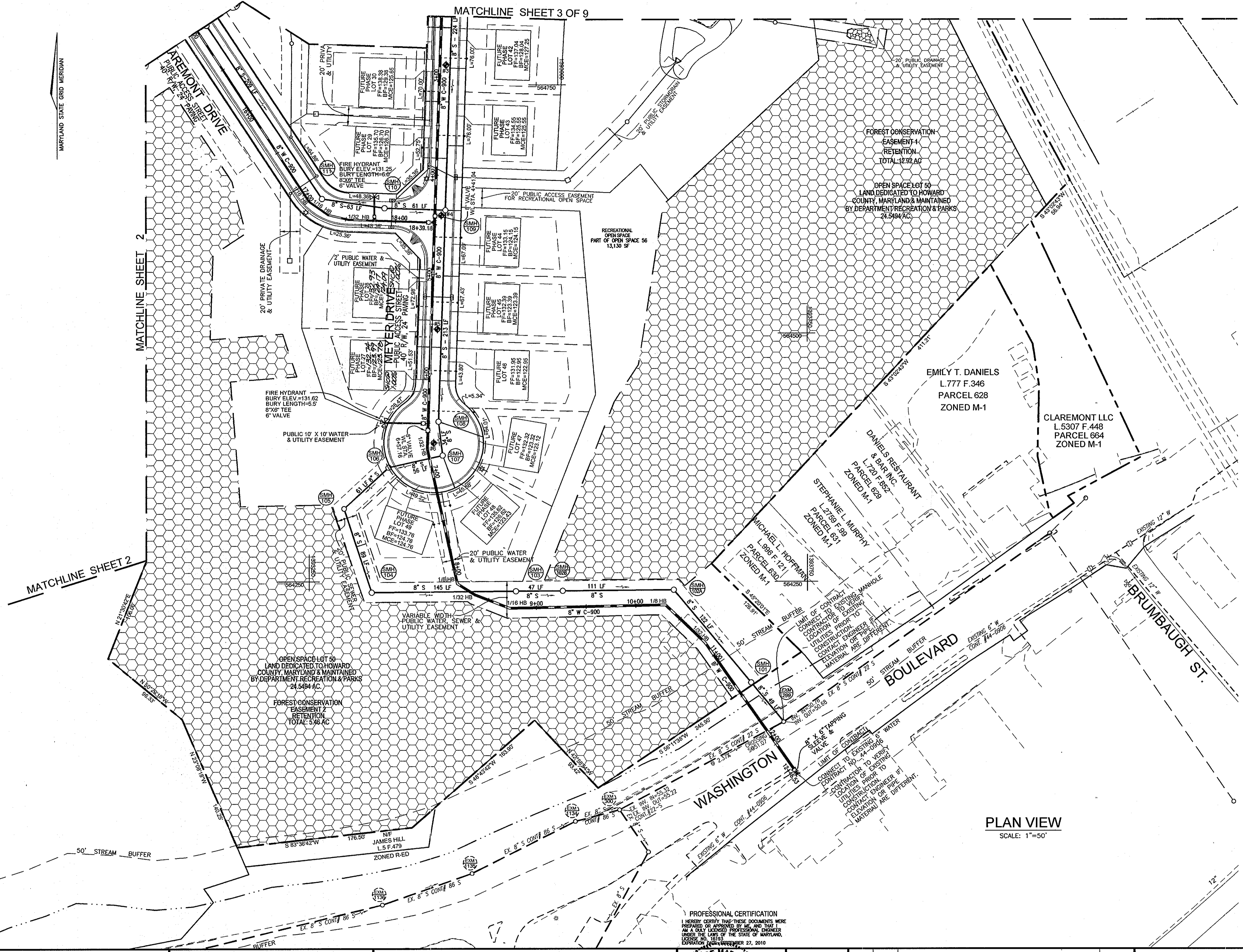
REF: F-08-63  
TAX MAP 32, BLOCK 21  
3RD ELECTION DISTRICT

PARCEL 632 AND PIO 24  
HOWARD COUNTY, MARYLAND

SHEET  
3 OF 9

MARYLAND STATE GRID MERIDIAN

MATCHLINE SHEET 3 OF 9



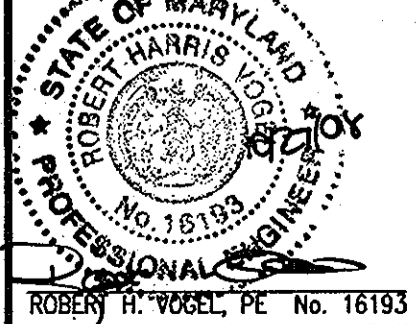
PLAN VIEW  
SCALE: 1"=50'

OWNER/DEVELOPER  
CLAREMONT L.L.C.  
11046 DORSCH FARM ROAD  
ELLCOTT CITY, MARYLAND 21042  
(410) 730-4556

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
*Shane C. Coon*  
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING & ZONING  
HOWARD COUNTY, MARYLAND  
*[Signature]*  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

**ROBERT H. VOGEL**  
ENGINEERS • SURVEYORS • PLANNERS  
8407 MAIN STREET  
ELLCOTT CITY, MD 21043  
TEL: 410.461.7666  
FAX: 410.461.6961



DES:	RJ				
DRN:	RJ				
CHK:	RHV	JD	1	UPDATE SEWER DESIGN ELEVATIONS FOR	9/29/12
				LOTS 27 & 28; CELLARS NOW SERVICEABLE	
DATE:	OCTOBER 2008	BY:	NO.	REVISION	DATE

FINAL WATER AND SEWER  
PLAN VIEW  
600' SCALE MAP NO. 32  
BLOCK NO. 21

CLAREMONT OVERLOOK  
CONTRACT NO. 14-4556-D  
REF: F-08-63  
TAX MAP 32, BLOCK 21  
3RD ELECTION DISTRICT  
PARCEL 632 AND P/O 24  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 4 OF 9

SEWER MANHOLE SCHEDULE

Table with columns: NO., TYPE, LOCATION (NORTHING, EASTING), TOP ELEV., INV. IN, INV. OUT. Lists manhole details for SMH 101 through SMH 128.

WATER MAIN LOCATION CHART

Table with columns: WL STA., APPURTENANCE, LOCATION (LAWYERS HILL ROAD, CLAREMONT DRIVE, MEYER DRIVE, MARGERY LANE, USE-IN-COMMON DRIVE). Lists water main stationing and fittings.

SEWER HOUSE CONNECTION AS-BUILT LOCATION TABLE

Table with columns: LOT NUMBER, ADDRESS, LOCATION DIMENSION 1, LOCATION DIMENSION 2. Lists sewer house connection data for lots 1 through 50.

WATER HOUSE CONNECTION AS-BUILT LOCATION TABLE

Table with columns: LOT NUMBER, ADDRESS, LOCATION DIMENSION 1, LOCATION DIMENSION 2. Lists water house connection data for lots 1 through 50.

SEWER CONNECTION TABULATION

Table with columns: LOT NO, TYPE, ELEV., ELEV. @ MAIN, ELEV. @ BRANCH, ELEV. @ UNIT, M.C.E. Lists sewer connection details for lots 1 through 49.

SEQUENCE OF CONSTRUCTION

- 1. OBTAIN GRADING PERMIT...
2. NOTIFY HOWARD COUNTY BUREAU OF INSPECTIONS...
3. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE...
4. WHEN CONTRIBUTING AREAS ARE FULLY STABILIZED...
5. INSTALL CLEANWATER EARTH DIKES AND RELATED SWALES...
6. INSTALL TREE PROTECTION DEVICES...
7. CONSTRUCT STORMWATER MANAGEMENT FACILITY...
8. AFTER OBTAINING PERMISSION FROM SEDIMENT CONTROL INSPECTOR...
9. WHEN SHUTDOWN FOR TIE-INS ARE PERMITTED...
10. BEGIN CONSTRUCTION OF WATER & SEWER SYSTEM.

- NOTES
- MANHOLES MUST BE CHANNELLED FOR ALL SEWER HOUSE CONNECTIONS.
\* 2.0' BETWEEN BASEMENT SLAB AND SHVC INVERT AT HOUSE PER BUREAU OF ENGINEERING.
\*\* NO BASEMENT GRAVITY SERVICE.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

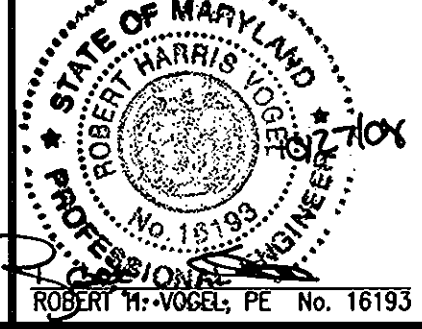
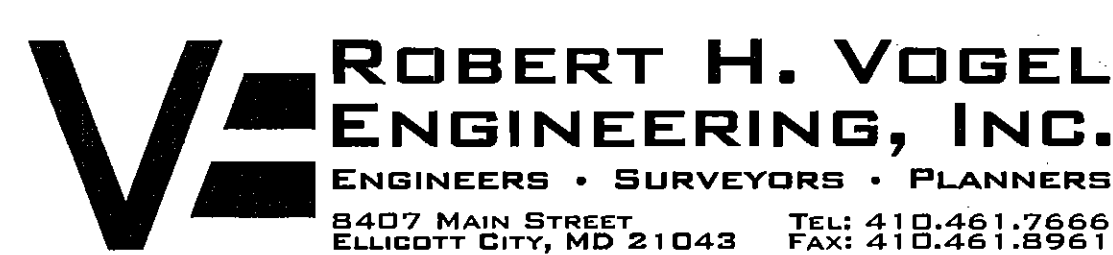


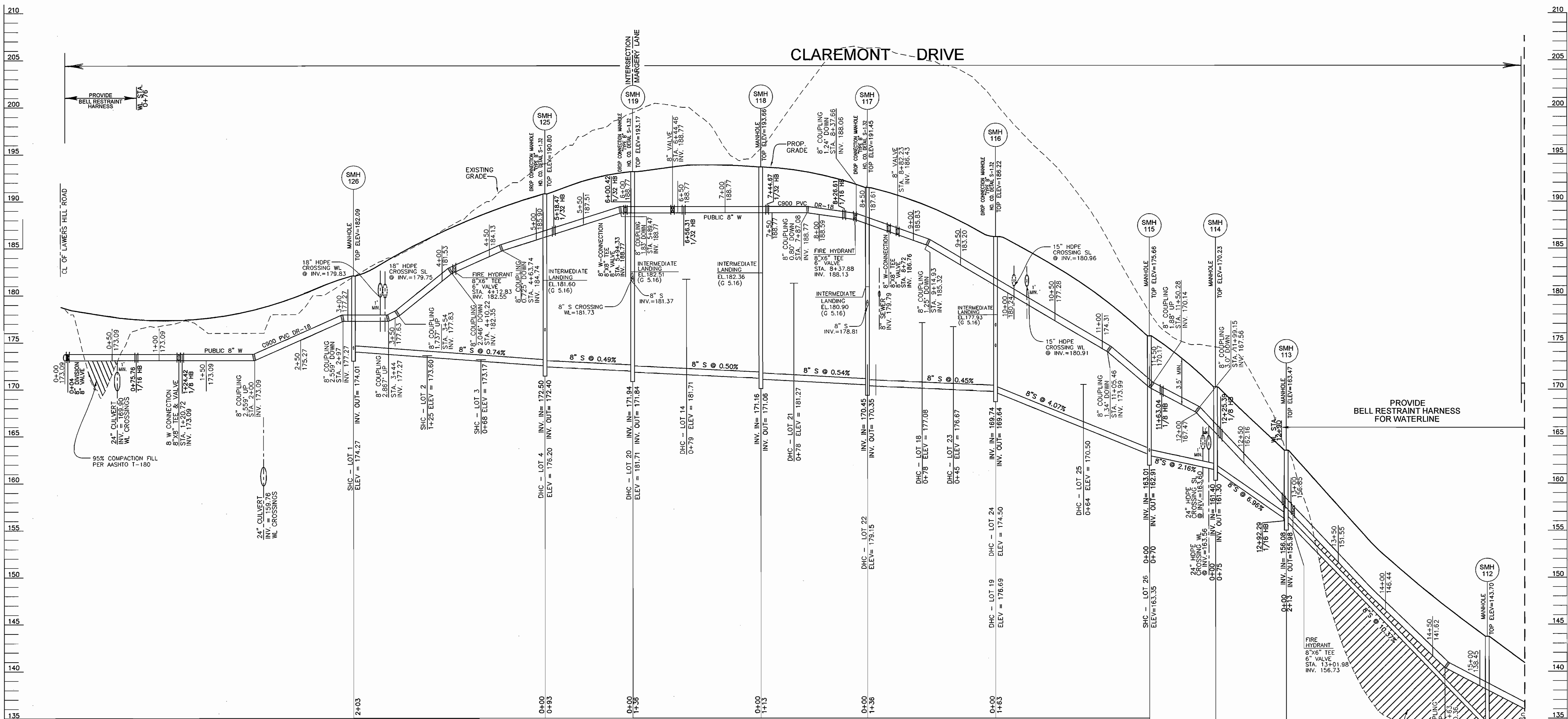
Table with columns: DES, DRN, CHK, DATE, BY, NO., REVISION, DATE. Revision details for the drawing.

FINAL WATER AND SEWER PROFILE DETAILS

CLAREMONT OVERLOOK CONTRACT NO. 14-4556-D

OWNER/DEVELOPER
CLAREMONT L.L.C.
11046 DORSCH FARM ROAD
ELLICOTT CITY, MARYLAND 21042
(410) 730-4556

SCALE AS SHOWN
SHEET 5 OF 9
600' SCALE MAP NO. 32 BLOCK NO. 21

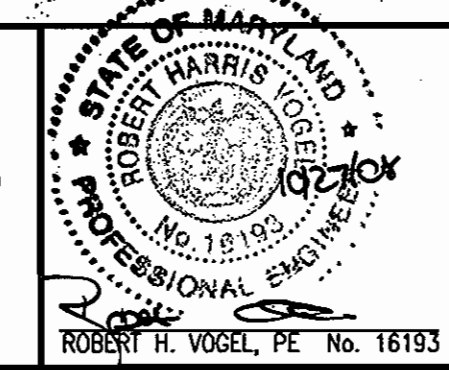


**PROFILE**  
SCALE: 1" = 50' HORIZ.  
1" = 5' VERT.

**OWNER/DEVELOPER**

CLAREMONT L.L.C.  
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ELLCOTT CITY, MD 21042  
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EXPIRES ON 08/27/2010



DES:	RJ				
DRN:	RJ				
CHK:	RHV				
DATE:	OCTOBER 2008	BY	NO.	REVISION	DATE

**FINAL WATER AND SEWER PROFILE**

**CLAREMONT OVERLOOK  
CONTRACT NO. 14-4556-D**

SCALE AS SHOWN

SHEET 6 OF 9

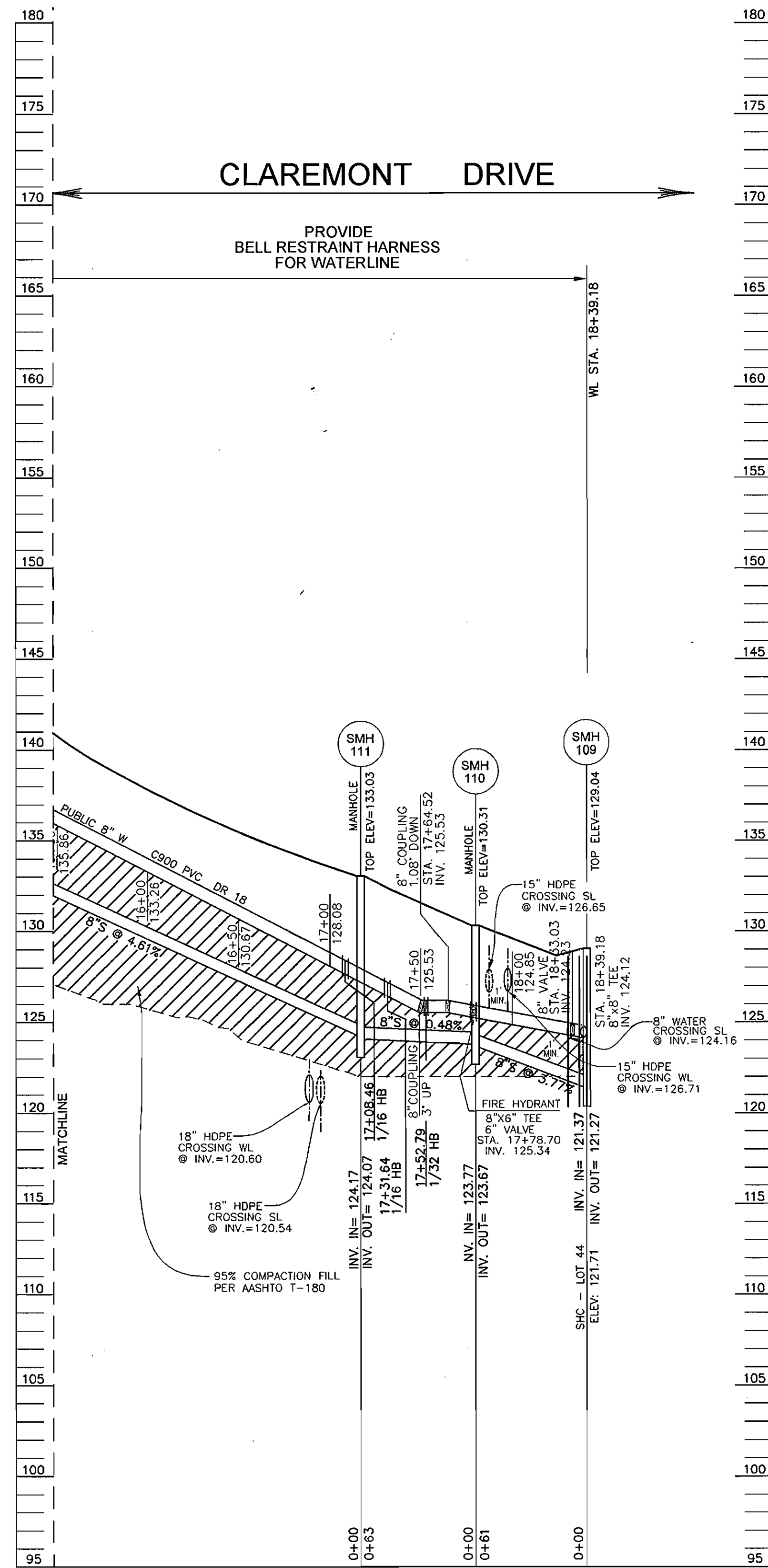
DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
*Stalin C. Lee*  
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING & ZONING  
HOWARD COUNTY, MARYLAND  
*[Signature]*  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

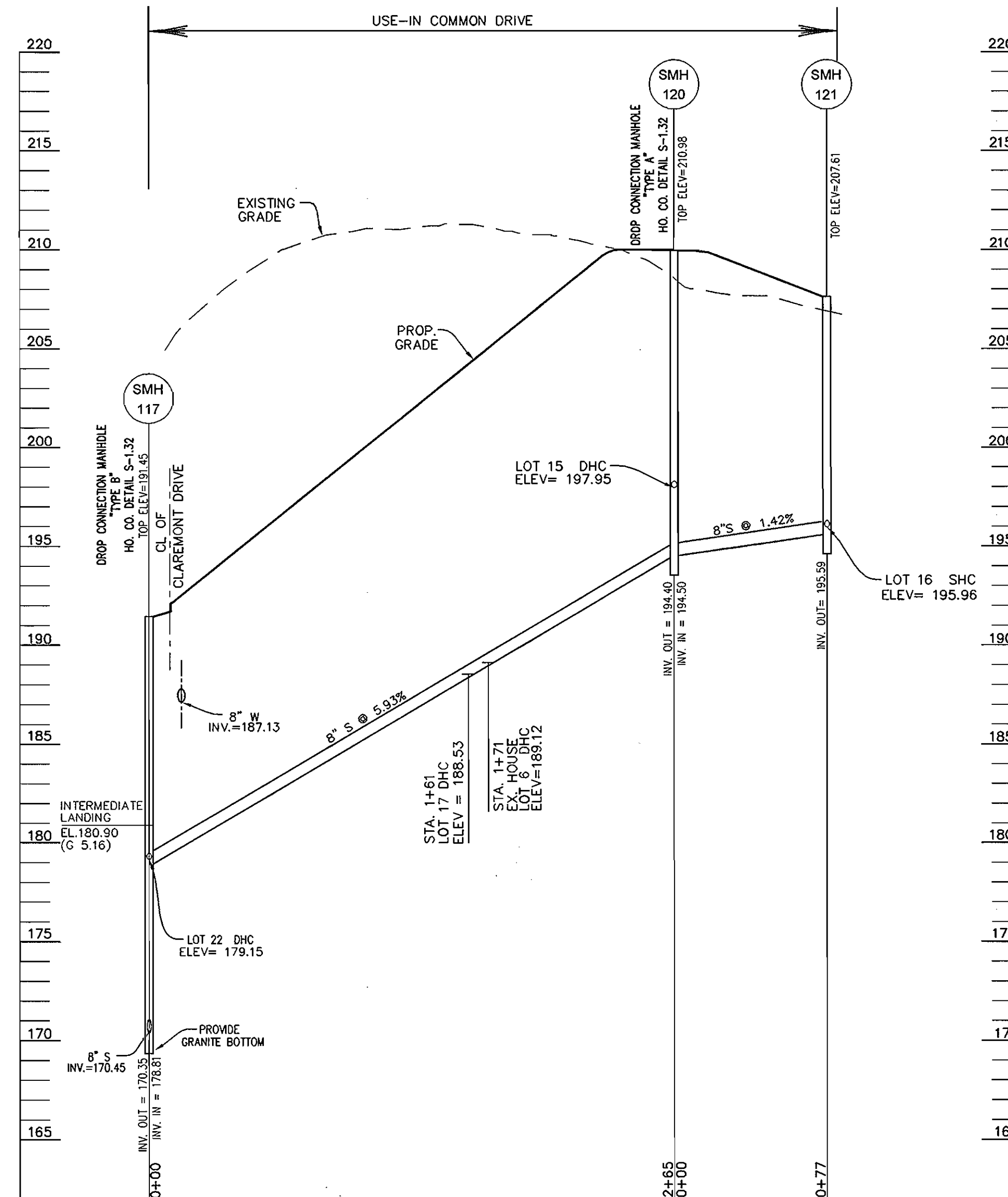
**ROBERT H. VOGEL ENGINEERING, INC.**  
ENGINEERS • SURVEYORS • PLANNERS  
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REF: F-08-63  
TAX MAP 32, BLOCK 21  
3RD ELECTION DISTRICT

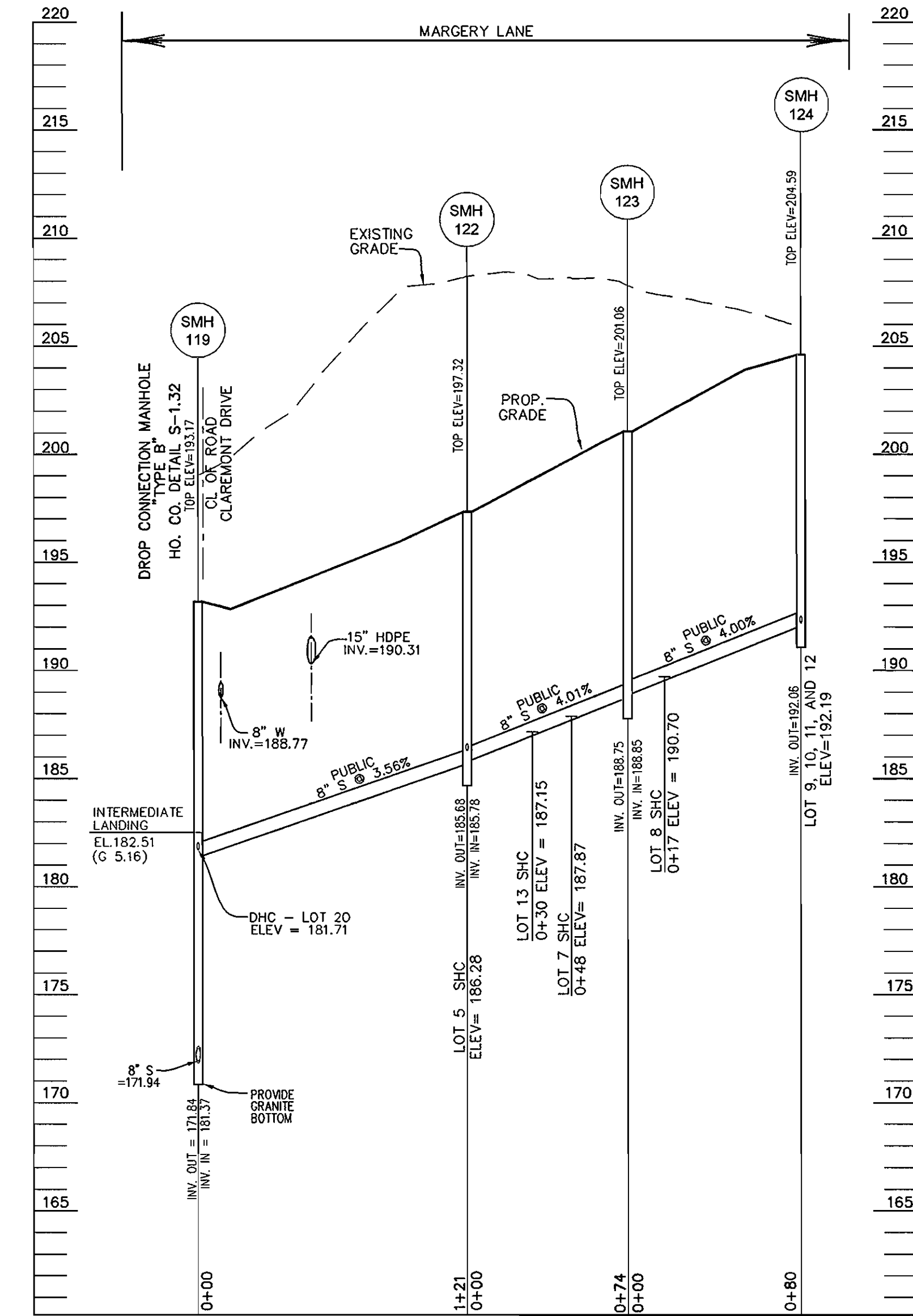
PARCEL 632 AND P/O 24  
HOWARD COUNTY, MARYLAND



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



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

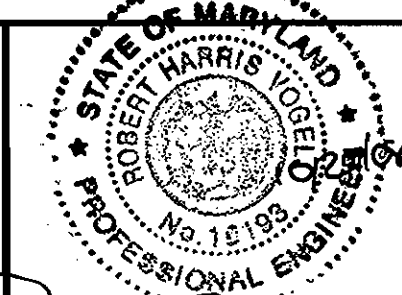


**PROFILE**  
SCALE: 1"=50' HORIZ.  
1"=5' VERT.

**OWNER/DEVELOPER**  
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UNDER THE LAWS OF THE STATE OF MARYLAND.  
EXPIRATION DATE: 08/31/2010

**ROBERT H. VOGEL**  
**ENGINEERING, INC.**  
ENGINEERS • SURVEYORS • PLANNERS  
8407 MAIN STREET  
ELLICOTT CITY, MD 21043 TEL: 410.461.7666  
FAX: 410.461.6961



DES:	RJ				
DRN:	RJ				
CHK:	RHV				
DATE:	OCTOBER 2008	BY	NO.	REVISION	DATE

**FINAL WATER AND SEWER PROFILE**

**CLAREMONT OVERLOOK**  
CONTRACT NO. 14-4556-D

SCALE AS SHOWN

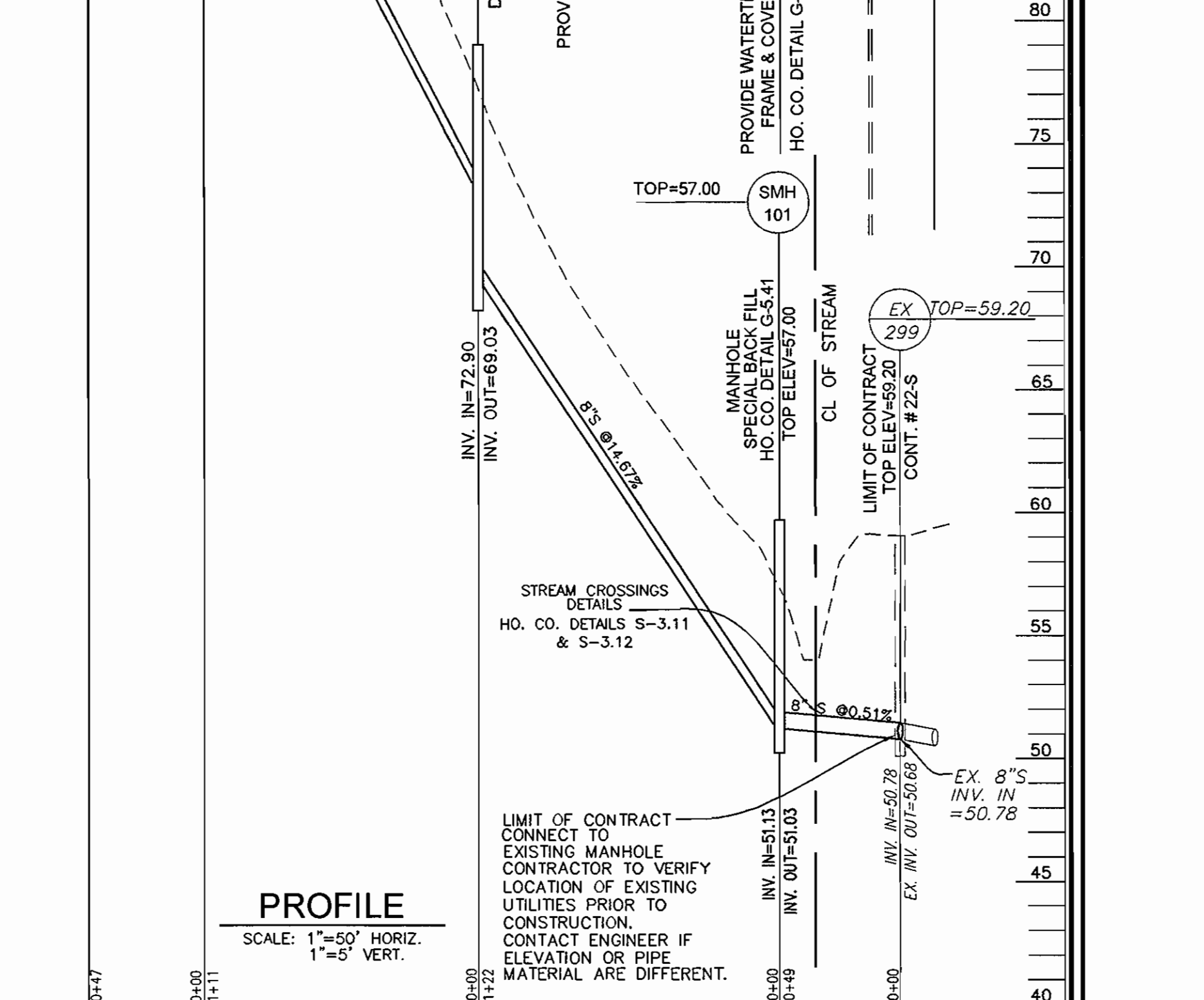
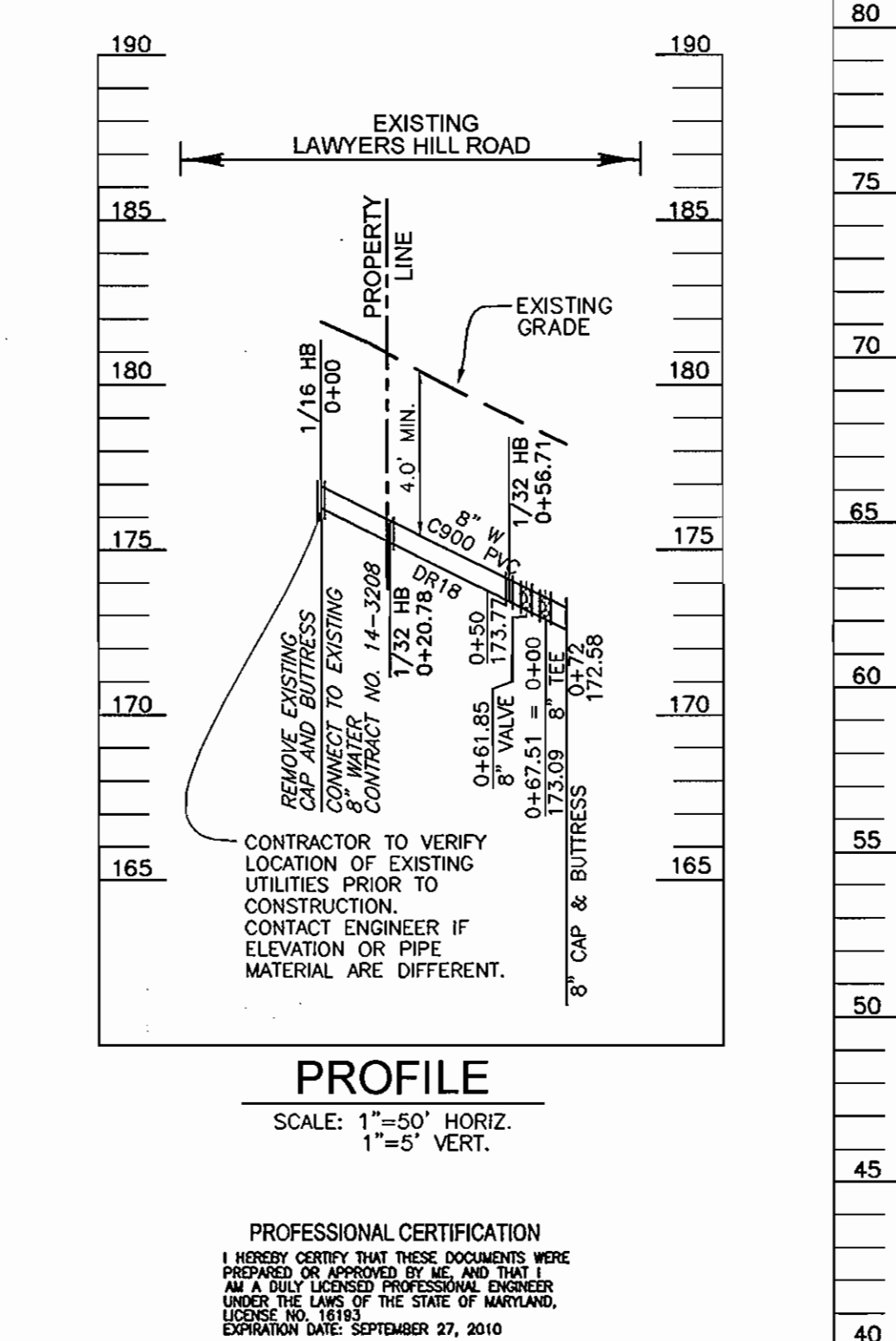
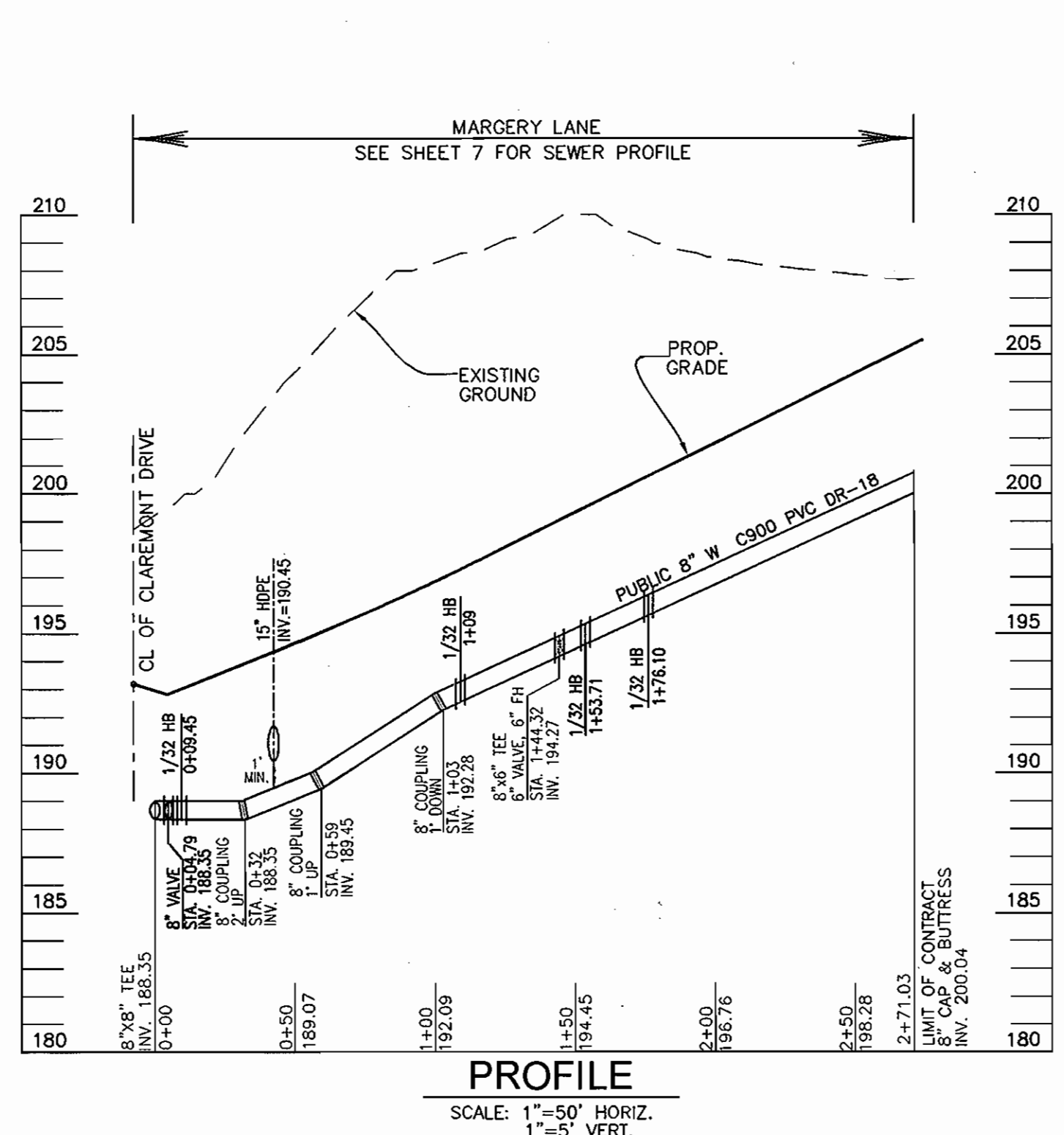
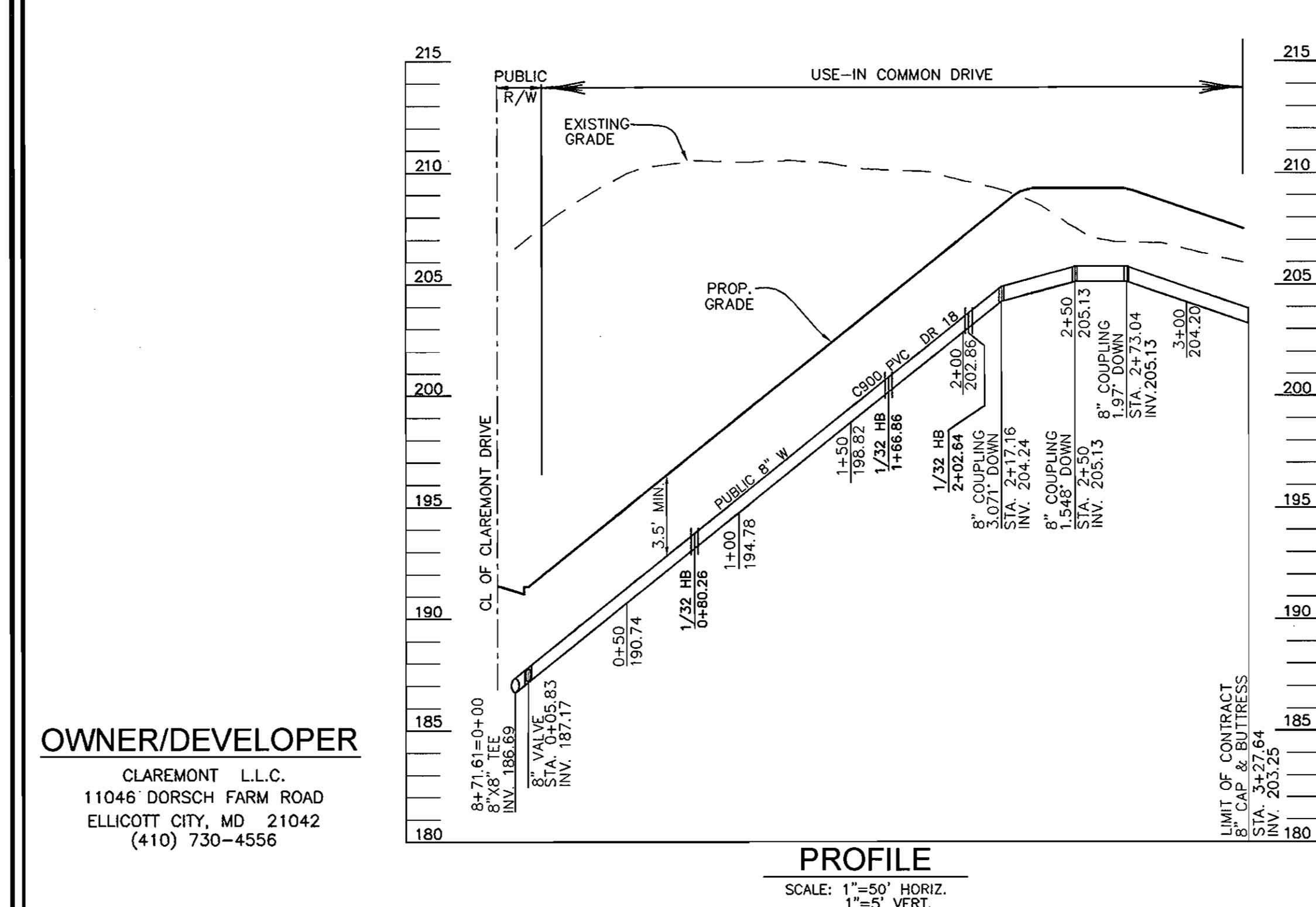
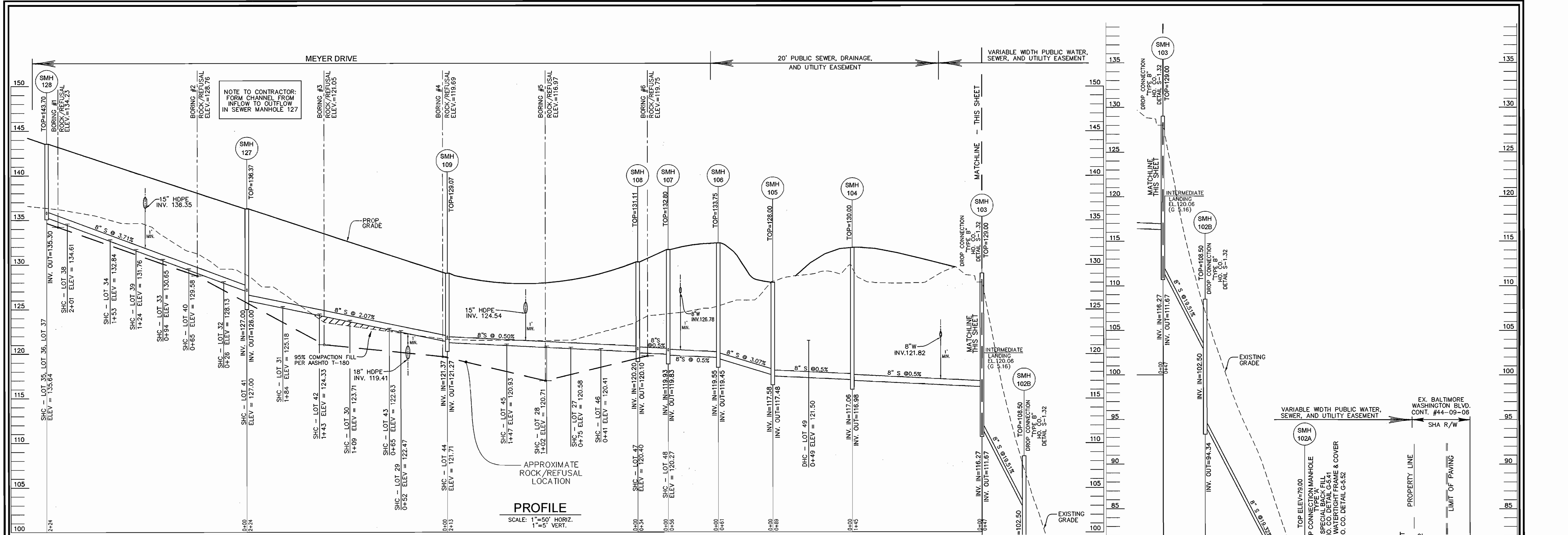
SHEET 7 OF 9

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
*Shane Chen* 11/10/08  
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING  
HOWARD COUNTY, MARYLAND  
*[Signature]* 11/10/08  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

REF: F-08-63  
TAX MAP 32, BLOCK 21  
3RD ELECTION DISTRICT

PARCEL 632 AND P/O 24  
HOWARD COUNTY, MARYLAND

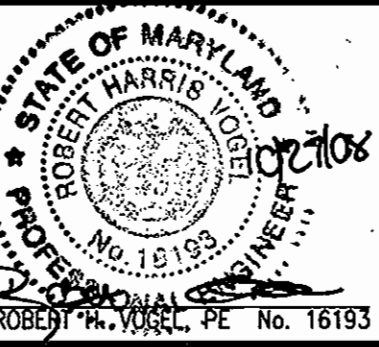


**OWNER/DEVELOPER**  
CLAREMONT L.L.C.  
11046 DORSCH FARM ROAD  
ELLCOTT CITY, MD 21042  
(410) 730-4556

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
*Stacy C. Cline*  
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING & ZONING  
HOWARD COUNTY, MARYLAND  
*[Signature]*  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

**ROBERT H. VOGEL  
ENGINEERING, INC.**  
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8407 MAIN STREET TEL: 410.461.7666  
ELLCOTT CITY, MD 21043 FAX: 410.461.8961



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**FINAL WATER AND SEWER  
PROFILE**

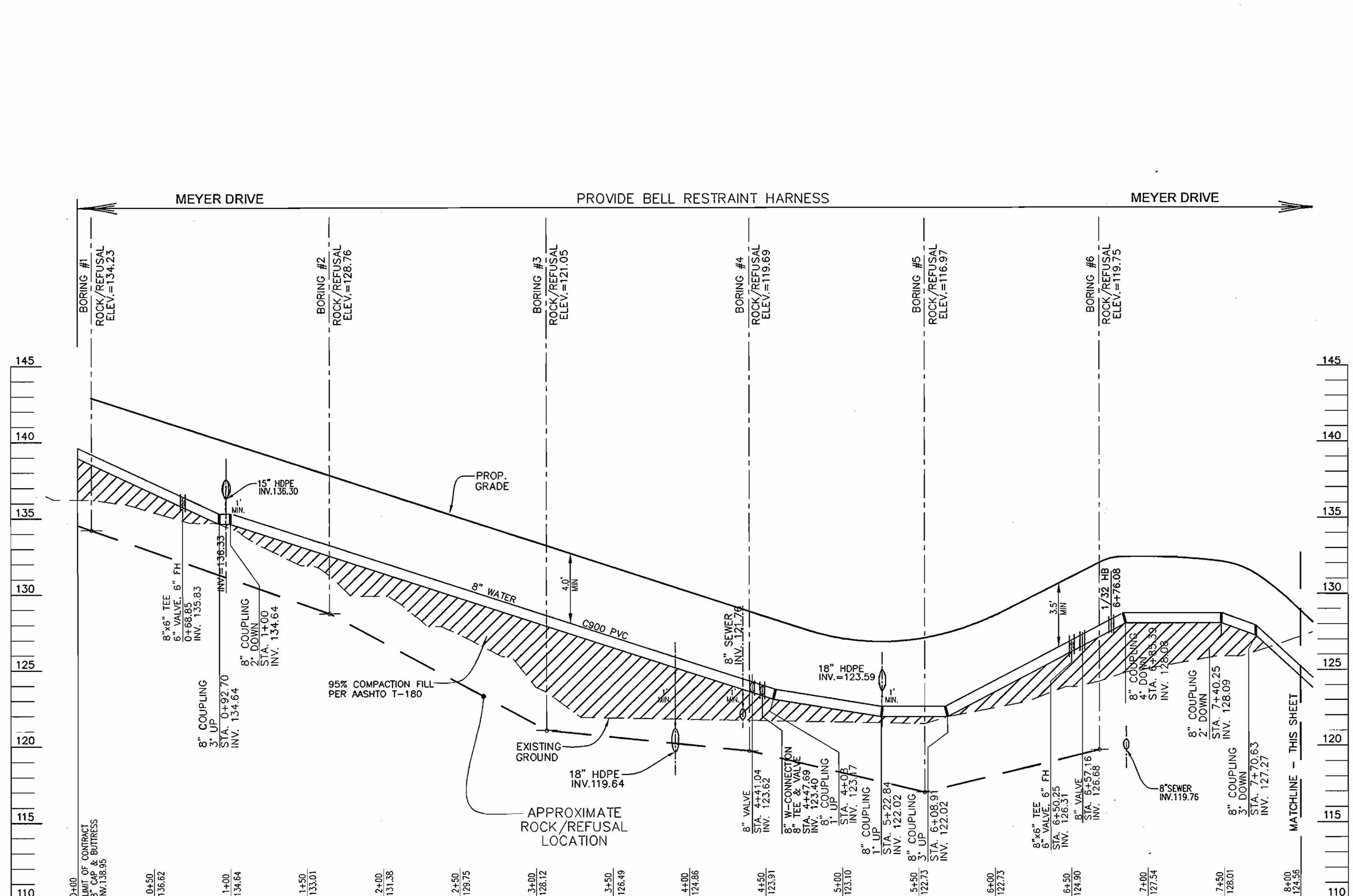
600' SCALE MAP NO. 32 BLOCK NO. 21

**CLAREMONT OVERLOOK  
CONTRACT NO. 14-4556-D**

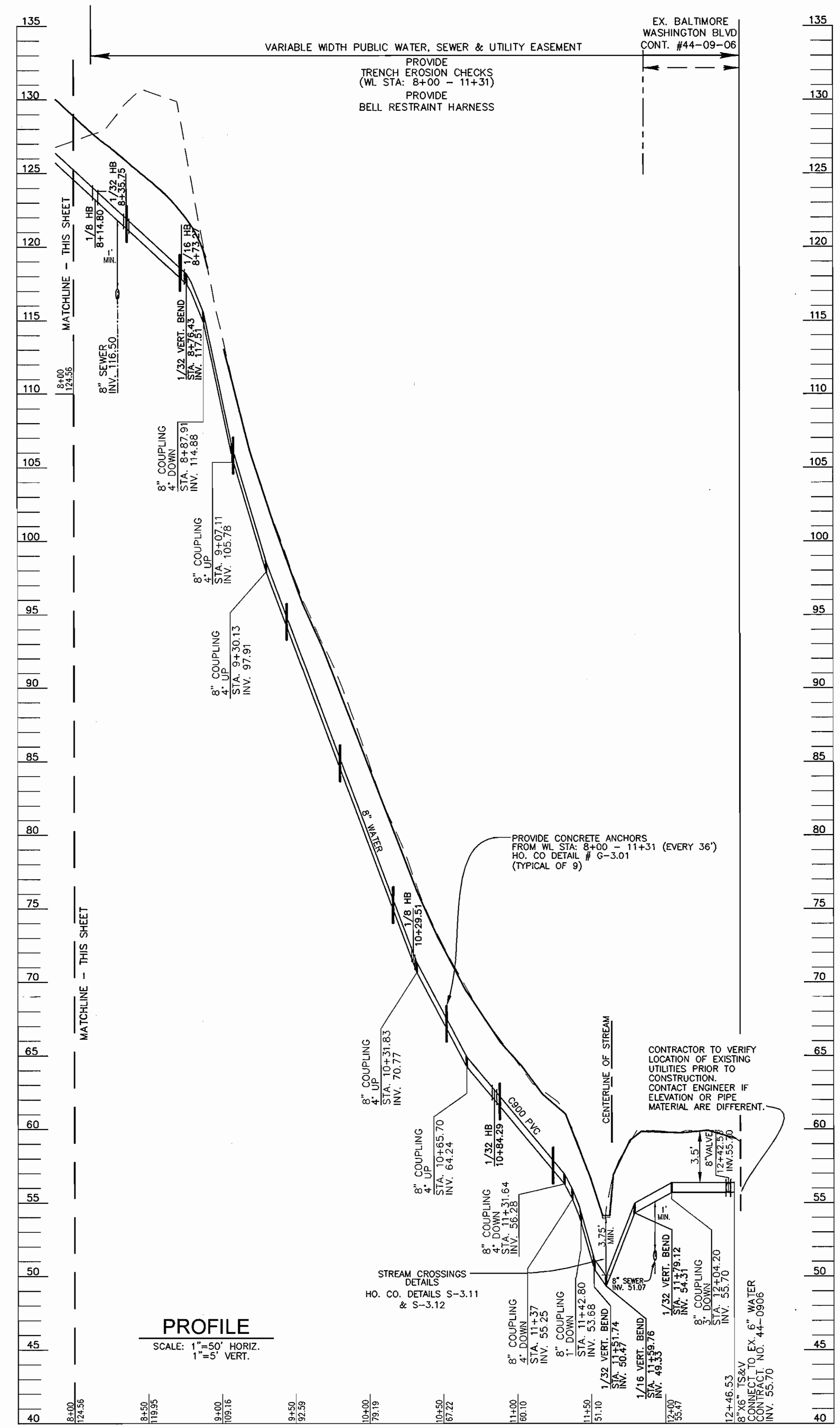
PARCEL 632 AND P/O 24  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 8 OF 9





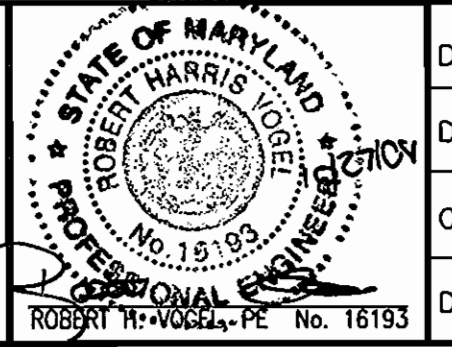
**PROFILE**  
SCALE: 1"=50' HORIZ.  
1"=5' VERT.



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

PROFESSIONAL CERTIFICATION  
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 16193 EXPIRATION DATE: SEPTEMBER 27, 2010

**ROBERT H. VOGEL ENGINEERING, INC.**  
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**FINAL WATER AND SEWER PROFILE**  
600' SCALE MAP NO. 32 BLOCK NO. 21

**CLAREMONT OVERLOOK**  
CONTRACT NO. 14-4556-D  
PARCEL 632 AND P/O 24 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND  
DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND  
CHIEF, BUREAU OF UTILITIES  
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