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 CONTRACTORS EXPENSE.

THE TOPOGRAPHY SHOWN HEREON IS BASED ON AN AERIAL SURVEY BY POTOMAC AERIAL SURVEYS, DATED MAY 15, 2009.

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 43EC AND 43EB.
ALL VERTICAL CONTROLS ARE BASED ON (NAVD' 27). VERTICAL CONTROLS
PROVIDED ON DRAWINGS ARE:
CEODETIC SURVEY CONTROL 43 EC. (N. 550 601 597. E. 1.376 866 072.)

PROVIDED ON DRAWINGS ARE:
GEODETIC SURVEY CONTROL 43 EC (N 550,601.597 E 1,376,866.072)
BRASS DISC SET ON TOP OF A CONCRETE MONUMENT, LOCATED AT IN GORMAN ROAD; 1' NORTH OF EDGE OF SIDEWALK, ±21' EAST OF BRIDGE, AND 11.60' NORTH OF GUARDRAIL.

GEODETIC SURVEY CONTROL 43 EB (N 551,654.993 E 1,378,176.951)
BRASS DISC SET ON TOP OF A CONCRETE MONUMENT, LOCATED IN GORMAN ROAD; BETWEEN SKYLARK BLVD AND I-95 BRIDGE. 1.9' NORTH SIDE OF SIDEWALK, AND 48.3' AWAY FROM END OF GUARDRAIL.

- 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 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.
- 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 CONTAIN TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATION
- 8. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN THESE PLANS: BGE (CONTRACTOR SERVICE). BGE (EMERGENCY). .410-685-0123 BUREAU OF UTILITIES .410-313-4900 ...410-795-1390 1-800-257-777 COLONIAL PIPELINE CO. MISS UTILITY... STATE HIGHWAY ADMINISTRATION.
- 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 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.

PART II - WATER

- 1. ALL WATER MAINS TO BE PVC (C-900) UNLESS OTHERWISE NOTED.
 2. TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-6" COVER UNLESS
- . VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- 4. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.

- 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 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 PECOPONS DECEMBED.
- UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS, SEVENTEEN (17)
 POUND 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 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 MAINS SHALL BE DUCTILE IRON.

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE SPECIFICATIONS

AND WITH SITE DEVELOPMENT PLAN SDP-83-144

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

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND





ROBERT H. VOCEL, PE No. 16193

HARRIS 7	I HEREBY CERTIFY THA WERE PREPARED OR A THAT I AM A DULY LIK ENGINEER UNDER THE OF MARYLAND, LICENS EXPIRATION DATE: 09-		
7995	DRN:	JER	
0. 16100	CHK:	RHV	
	DATE:	JULY	

DES: DZE

REVISION

FINAL WATER CONSTRUCTION PLAN **COVER SHEET**

GATE SHOPPING CENTER -ASSATEAGUE DRIVE, JESSUP, MD MD WHOLESALE FOOD CENTER CONTRACT 24-4810-D

CHARTER/DEVELOPER

EASTGATE LLC 8150 LEESBURG PIKE STE 1100 VIENNA, VA 22182

SHEET PARCEL 659, LOT B1 HOWARD COUNTY, MARYLAND

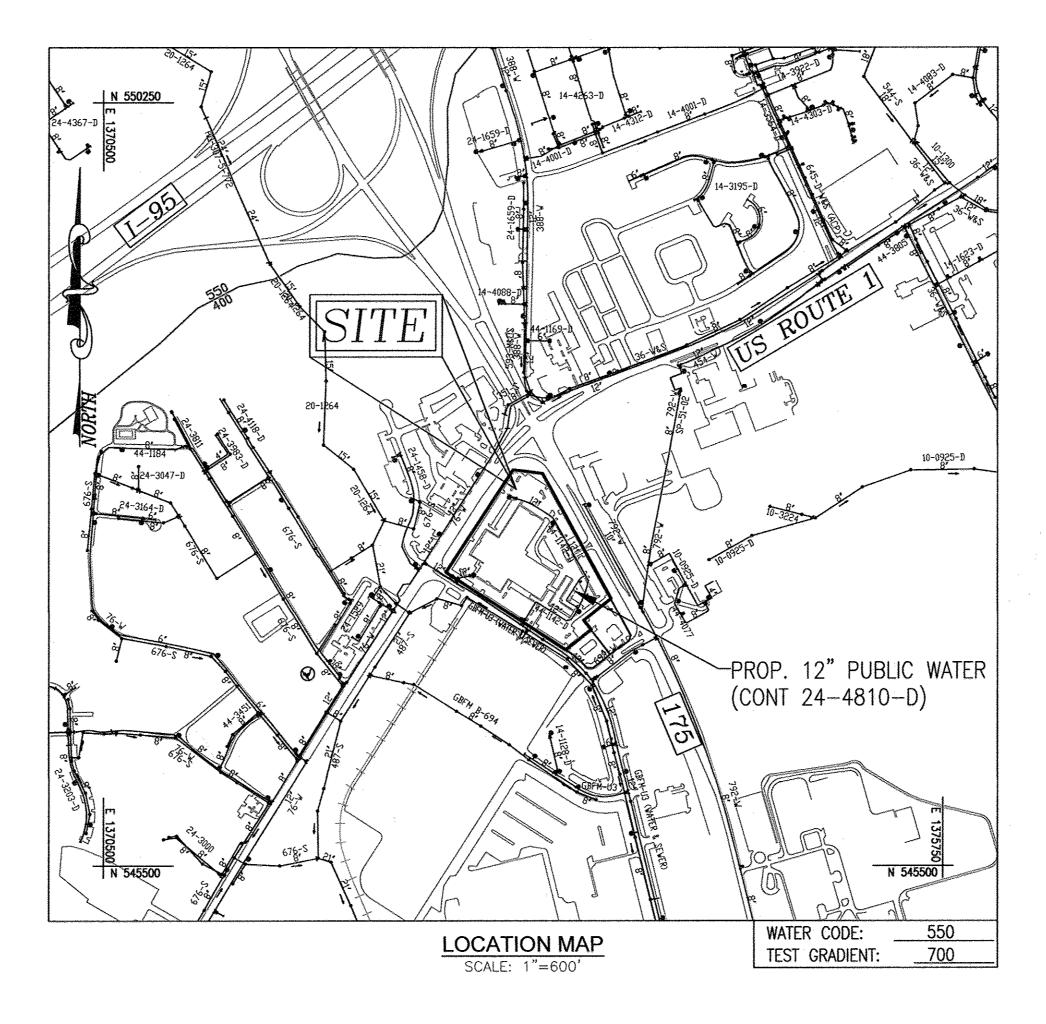
SHOWN

FINAL WATER PLAN

EASTGATE SHOPPING CENTER - IHOP

7361 ASSATEAGUE DRIVE, JESSUP, MD 20794 MD WHOLESALE FOOD CENTER PARCEL 659, LOT B-1

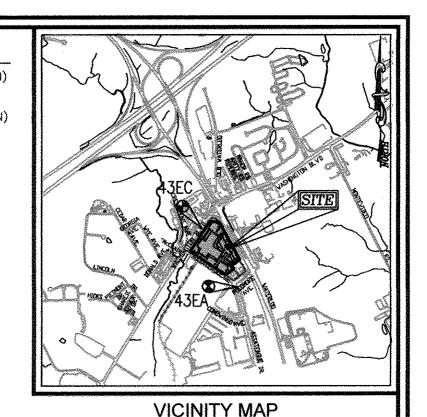
> **CONTRACT 24-4810-D** HOWARD COUNTY, MARYLAND



TYPE OF BUILDING:	COMMERCIAL (RESTAURANT
NO. OF LOTS/PARCELS:	4
NO. OF SINGLE WATER HOUSE CONNECTIONS:	1
NO. OF TWIN WATER HOUSE CONNECTIONS:	0
NO, OF SEWER HOUSE CONNECTIONS:	0
NO. OF TWIN SEWER HOUSE CONNECTIONS:	0
DRAINAGE AREA:	LITTLE PATUXENT RIVER
TREATMENT PLANT:	LITTLE PATUXENT WASTEWATERATMENT PLANT

BENCHMARKS

HOWARD COUNTY BENCHMARK 43EA (CONC. MON) N 546593.97, E 1373621.75ELEV. 242.198 HOWARD COUNTY BENCHMARK 43EC (CONC. MON) N 547821.27 E 1372882.45 ELEV. 219.706



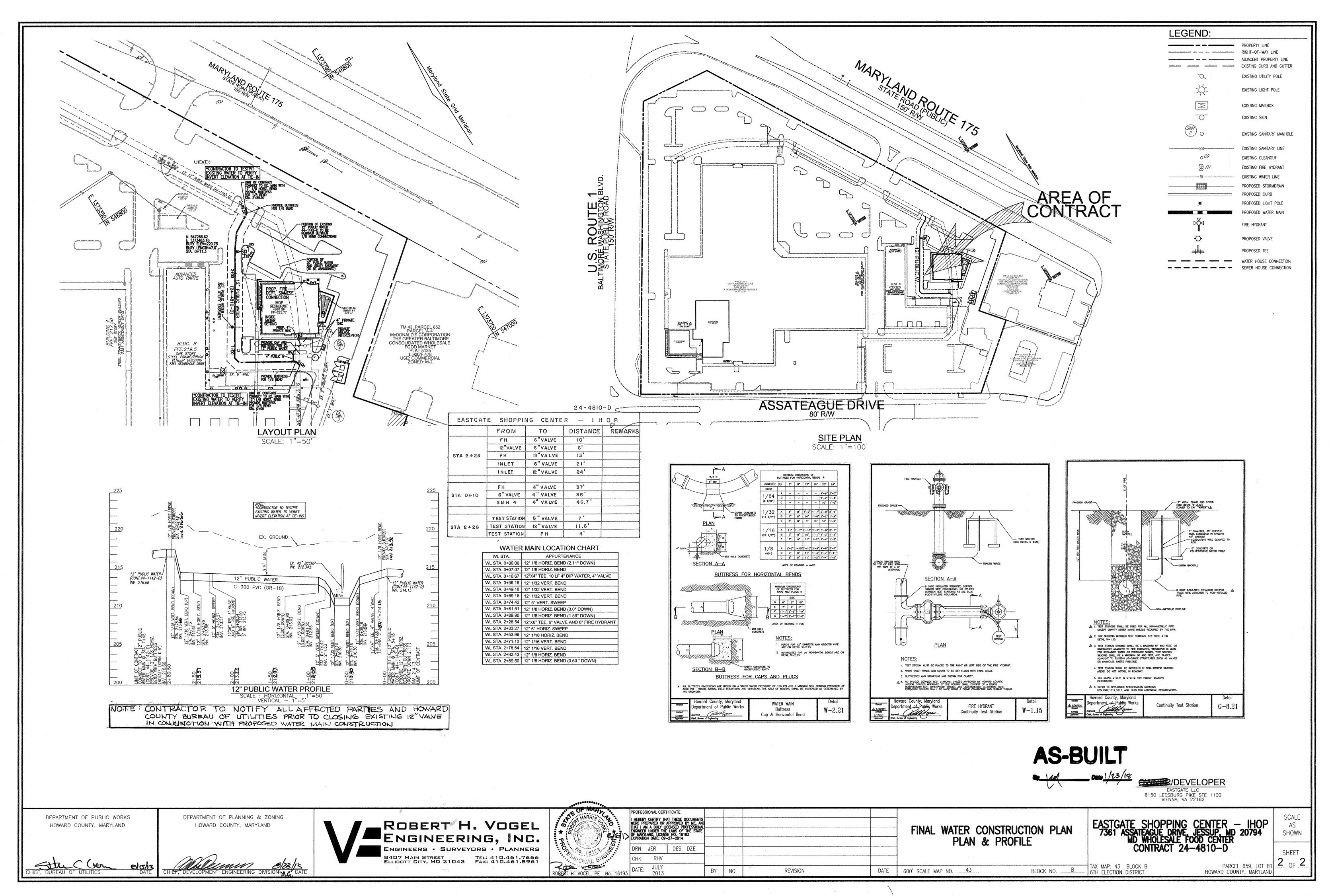
SCALE: 1"=2000 ADC MAP COORDINATES: 5054/E3

LEGEND	
EXISTING WATER MAIN	W
PROPOSED WATER MAIN	
FIRE HYDRANT	
PROPOSED VALVE	∵ **
PROPOSED TEE	
EXISTING STORM DRAIN	rancementarios SD anticipacion inclusiva
PROPOSED STORM DRAIN	0
EXISTING SEWER	SS
EXISTING SEWER MANHOLE	0
WATER HOUSE CONNECTION	

PROPOSED LIGHT

		QUANTI	TIES	
NAME OF UTILITY COI	NTRACTOR :			
SURVEY AND DRAFTIN	IG DIVISION AS-E	BUILT DATE :		
	QUANTITIES	AS-BUILT		
ITEMS	ESTIMATED	QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
 	la anti de la composition del	WATE	R	
12" WATER (PVC C-900)	290 LF	290 L F	C-900	
6" WATER (PVC C-900)	12 LF	I2 LF	C-900	
4" WATER (PVC C-900)	10 LF	10 LF	C-900	
6" VALVE	1 EA	IEA	DUCTILE	
4" VALVE	1 EA	IEA	DUCTILE	
12"X6" TEE	1 EA	I EA	DUCTILE	
12"X4" TEE	1 EA	I EA	DUCTILE	
6" FIRE HYDRANT	1 EA	IEA	KENNEDY	
12" - 1/32 BEND	3 EA	3 EA	DUCTILE	
12" - 1/16 BEND	3 EA	5 EA	DUCTILE	
12" - 1/8 BEND	6 EA	6 E A	DUCTILE	
12" - 5' SWEEP	2 EA	2 E A	DUCTILE	
12" VALVE	I EA	I EA	DUCTILE	
Marie Control of the				

AS-BUILT



ecis/11-38/ENGR/dwg/WS/FINAL/02_PLAN_PROFILE.dw