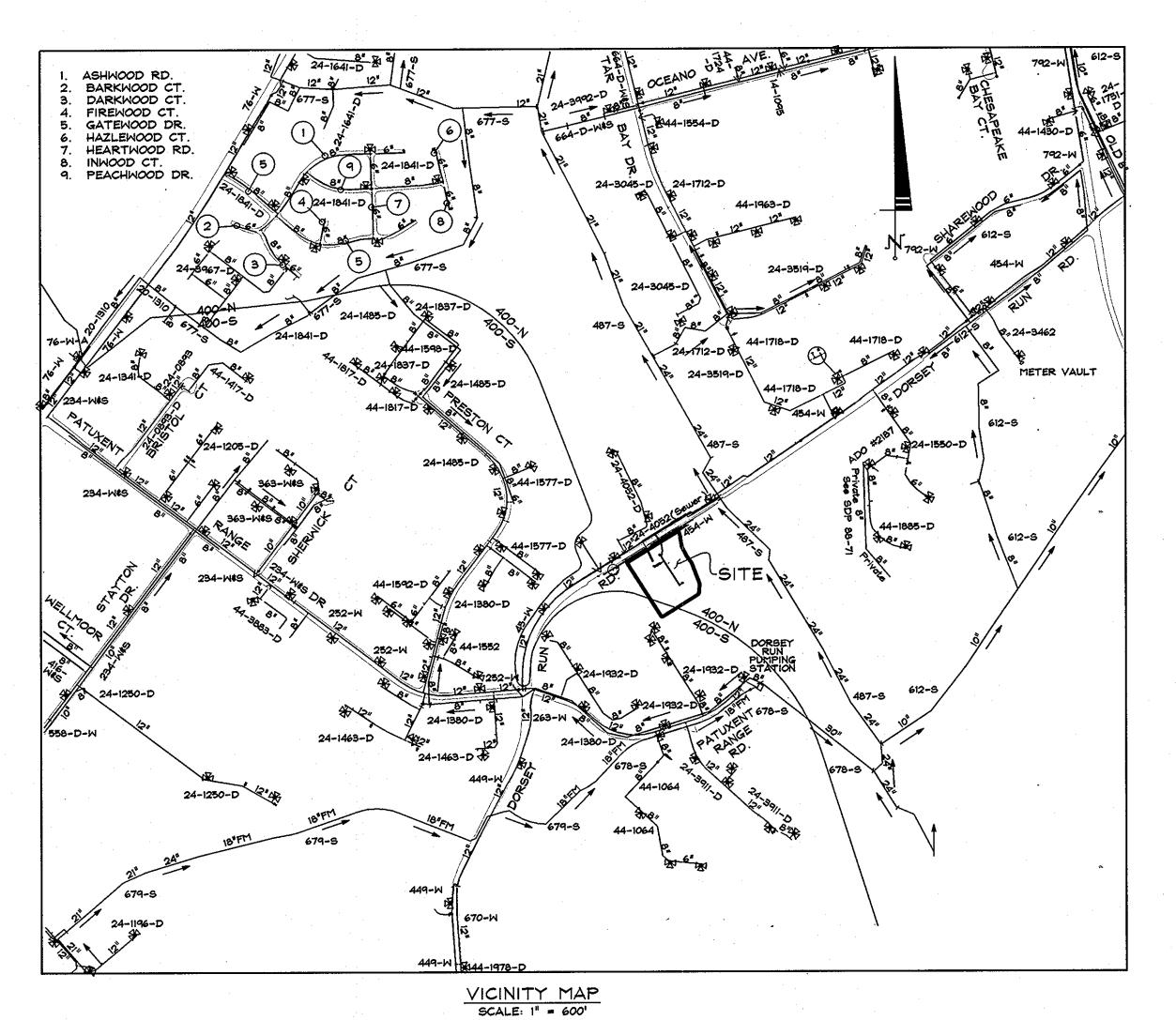
QUANTITIES							
ITEMS	QUANTITIES ESTIMATED	AS-BUILT					
		QUANTITIES	TYPE	SUPPLIER			
8" SEWER MAIN (PVC)	69						
SEWER MANHOLE	1						
SEWER MANHOLE (vert ft>)	6						
4" SHC	1			·			
8" WATER MAIN (PVC)	389						
6" WATER MAIN (PVC)	36						
8x12 TAPPING SLEEVE	1						
8x6 TEE	2						
FIRE HYDRANT	2						
2" WHC	.1		*				

# FINAL WATER AND SEWER CONSTRUCTION PLANS

AMERIGAS

DORSEY WOODS PARCEL B

CONTRACT NUMBER 24-4768-D 6TH ELECTION DISTRICT HOWARD COUNTY, MD



TYPE OF BUILDING: WAREHOUSE NUMBER OF LOTS/PARCELS: NUMBER OF WHC: NUMBER OF SHC: LITTLE PATUXENT TREATMENT PLANT:

## DRAWING LEGEND

BOUNDARY LINE EXISTING PROPERTY BOUNDARY EX. ROAD / EDGE OF PAVING EX. SEWER LINE & MANHOLES, CLEAN-OUTS EX. OVERHEAD ELECTRIC & UTILITY POLES PROP. CURB & GUTTER PROPOSED ROAD CENTERLINE PROP. B" WATER PROPOSED WATER LINE

PROPOSED SEWER AND MANHOLES

BY THE DEVELOPER:

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE SPECIFICATIONS AND AS SHOWN ON SDP 13-018.

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

CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL

**DEPARTMENT OF PUBLIC WORKS** HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION

INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A

WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND

EROSION CONTROL. AND THAT ALL RESPONSIBLE PERSONNEL



ENGINEER

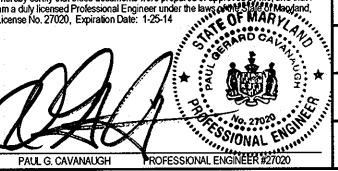
Westminster, MD 21157

I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION CONTROL

REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY

PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT

WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF



	D Z. 1/20/10	NO.	REVISIONS	DRN.	DATE
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FINAL WATER AND SEWER PLAN

600 SCALE MAP NO.:

BLOCK NO.: 2

WATER & SEWER CONSTRUCTION PLANS

AMERIGAS

43HA - 3/4" IRON ROD 48AA - 3/8" IRON ROD

VICINITY MAP

### GENERAL NOTES

B.M. 48AA -ELEV. 73.183

1. 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 ON JULY, 2012 BY PROFESSIONA 3. 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 NO. 43HA NO. 48AA. ALL VERTICAL CONTROLS ARE BASED ON NAVD '88. VERTICAL CONTROLS

- 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 SHA COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
- 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 CONSTRUCTION (LATEST EDITION). THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV
- 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:

BGE (CONTRACTOR SERVICES) BGE (EMERGENCY) .... BUREAU OF UTILITIES. COLONIAL PIPELINE CO. MISS UTILITY..... STATE HIGHWAY ADMINISTRATION .....

- 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 CONTRACTOR. 10. THE CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG THE LINE OF EXCAVATION
- 11. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT

...1-800-743-0033 / 410-224-9210

(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(A) OF THE HOWARD COUNTY CODE.

- 1. ALL WATER MAINS SHALL BE D.I.P. CLASS 54 UNLESS OTHERWISE NOTED. 2. TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" OF COVER UNLESS OTHERWISE
- 3. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES 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 STANDARD DETAILS. THE SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND
- SECTION 1005 OF THE STANDARD SPECIFICATIONS. 6. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER
- TRACER WIRE AND CONTINUITY TEST STATIONS SHALL BE INSTALLED ON ALL DIP AND PVC
- WATER MAINS IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL. 8. FOR PVC WATER MAINS, ALL RECORDS FOR THE QUALITY CONTROL AND QUALIFICATION TEST REQUIREMENTS NOTED IN SECTION 5.1 OF THE AWWA STANDARD COO 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 RECORDS RECEIVED. 9. 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.

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 D.I.P. ONLY.

- 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 FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE
- 6. HOUSE(S) WITH THE SYMBOL @C.N.S." INDICATES THAT THE CELLAR CANNOT BE SERVED.

OWNER

SMITH DORSEY RUN ROAD, LLC 6011 UNIVERSITY BLVD., SUITE 350 ELLICOTT CITY, MD 21043 (443)540-4275

DEVELOPER MEADOWOOD DORSEY-RUN, LLC 1202 SHADY CREEK ROAD MARRIOTTSVILLE, MD 21104 (410)489-5080

SCALE: 1" = 50" DORSEY WOODS PARCEL 'B'

6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND CONTRACT NO. 24-4768-D

SHEET

