GENERAL NOTES

- 1. 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 CONTRACTORS EXPENSE.
- 2. ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES. (NORTH AMERICAN DATUM OF 1983 (NAD 83))
- 3. ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATA.
- 4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- 5. CLEAR ALL UTILITIES BY A MINIMUM OF 12 INCHES. CLEAR ALL POLES BY 2'.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.
- 6. 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
- 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
- 8. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN

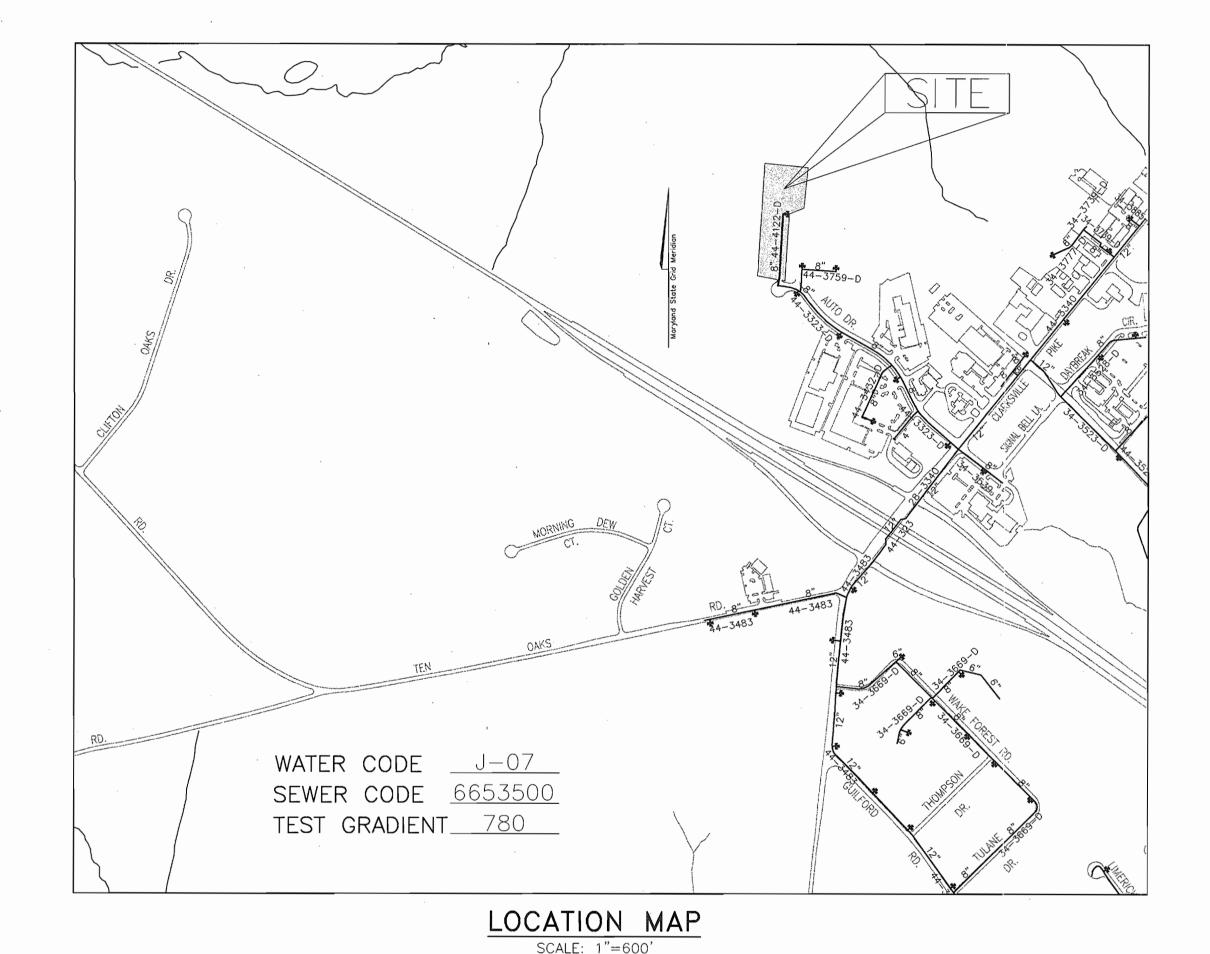
AT &T1-800-252-1133
BGE (CONTRACTOR SERVICE)
BGE (UINDERGROUND DAMAGE CONTROL)
BUREAU OF UTILITIES
COLONIAL PIPELINE CO
MISS UTILITY
STATE HIGHWAY ADMINISTRATION
VERIZON

- 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. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE CONSTRUCTION OF THE MAIN.
- COUNTY, AT (410) 313-7450 AT LEAST FIVE WORKING DAYS BEFORE ANY OPEN CUTTING OR BORING JACKING OF ANY COUNTY ROAD FOR LAYING BORING/JACKING OPERATION IN COUNTY ROADS FOR LAYING WATER/SEWER MAIN OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(a) OF THE HOWARD COUNTY CODE.
- 12. THE CONTRACTOR SHALL EXERSICE EXTREME CAUTION WHEN WORKING NEAR AND/OR AROUND OVERHEAD UTILITY WIRES.

PART II - WATER

- 1. ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- 2. TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-6" COVER UNLESS OTHERWISE NOTED.
- 3. 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.
- 5. 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 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.
- 7. ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING UNLESS OTHERWISE NOTED ON PLANS OR IN SPECIFICATIONS.

ANTWERPEN NISSAN FINAL PUBLIC WATER PLAN HOLWECK SUBDIVISION HOWARD COUNTY, MARYLAND CONTRACT NO. 44-4122-D



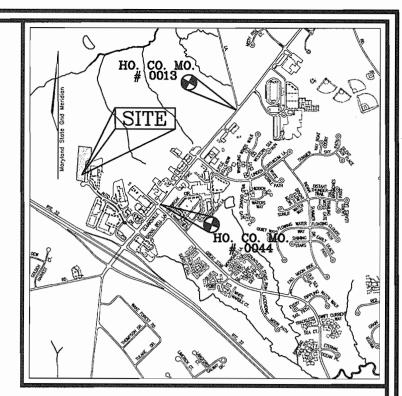
COMMERCIAL TYPE OF BUILDING: NO. OF UNITS/PARCELS NO. OF WATER HOUSE CONNECTIONS: ONE NO. OF SEWER HOUSE CONNECTIONS: ONE MIDDLE PATUXENT RIVER DRAINAGE AREA: LITTLE PATUXENT RIVER WATER TREATMENT PLANT TREATMENT PLANT:

BENCHMARKS

HOWARD COUNTY BENCHMARK 34C2 (DESTROYED) N 562321.798 E 1329750.722

HOWARD COUNTY BENCHMARK 0013 N 564285.946 E 1331309.715 ELEVATION 484.671'

HOWARD COUNTY BENCHMARK 0044 N 562176.474 E 1329641.868 ELEVATION 485.252'



VICINITY MAP SCALE: 1"=2000'

WATER MAIN STRUCTURE SCHEDULE

STATION	DESCRIPTION
0+04	8"x6" REDUCER
0+10	8" VALVE
4+56.09	8" x 6" CROSS (6" VALVE AND 6" F.H RT.) (6" WHC AND 6" VALVE - LT.)
4+59	8" CAP AND BUTTRESS

QUANTITIES

NAME OF UTILITY CONTRACTOR:								
SURVEY AND DRAFTING DIVISION AS-BUILT DATE :								
ITEMS	QUANTITIES	AS-BUILT						
TILMS	ESTIMATED	QUANTITIES	TYPE	MANUFACTURER/SUPPLIER				
8" X 6" REDUCER	1 EA.							
8" VALVE	1 EA.							
8" WATER	459 L.F.				_			
6" WATER	22 L.F.							
8" X 6" CROSS	1 EA							
6" VALVE	2 EA.							
FIRE HYDRANT	1 EA.	N.						
8" CAP & BUTTRESS	1 EA.							
			•		_			

OWNER/DEVELOPER

Antoy LLC 12451 Auto Drive Clarksville, MD 21029-1266

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND WITH SITE DEVELOPMENT PLAN SDP-03-92

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

SOIL CONSERVATION DISTRICT

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

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

FREDERICK WARD ASSOCIATES, INC.

ENGINEERS | 7125 Riverwood Drive Columbia, Maryland 21046-2354 ARCHITECTS | Phone: 410-290-9550 Fax: 410-720-6226 SURVEYORS | Bel Air, Maryland Columbia, Maryland Warrenton, Virginia



3	DES:	JWW			
	ĎRN:	JWW	,		
	CHK:	RHV			
		AUGUST			
	DATE:	20031	RY	NO	

FINAL WATER CONSTRUCTION PLAN TITLE SHEET

ANTWERPEN NISSAN CONTRACT NO. 44-4122-D

SCALE AS SHOWN SHEET

TAX MAP 34, BLOCK 6

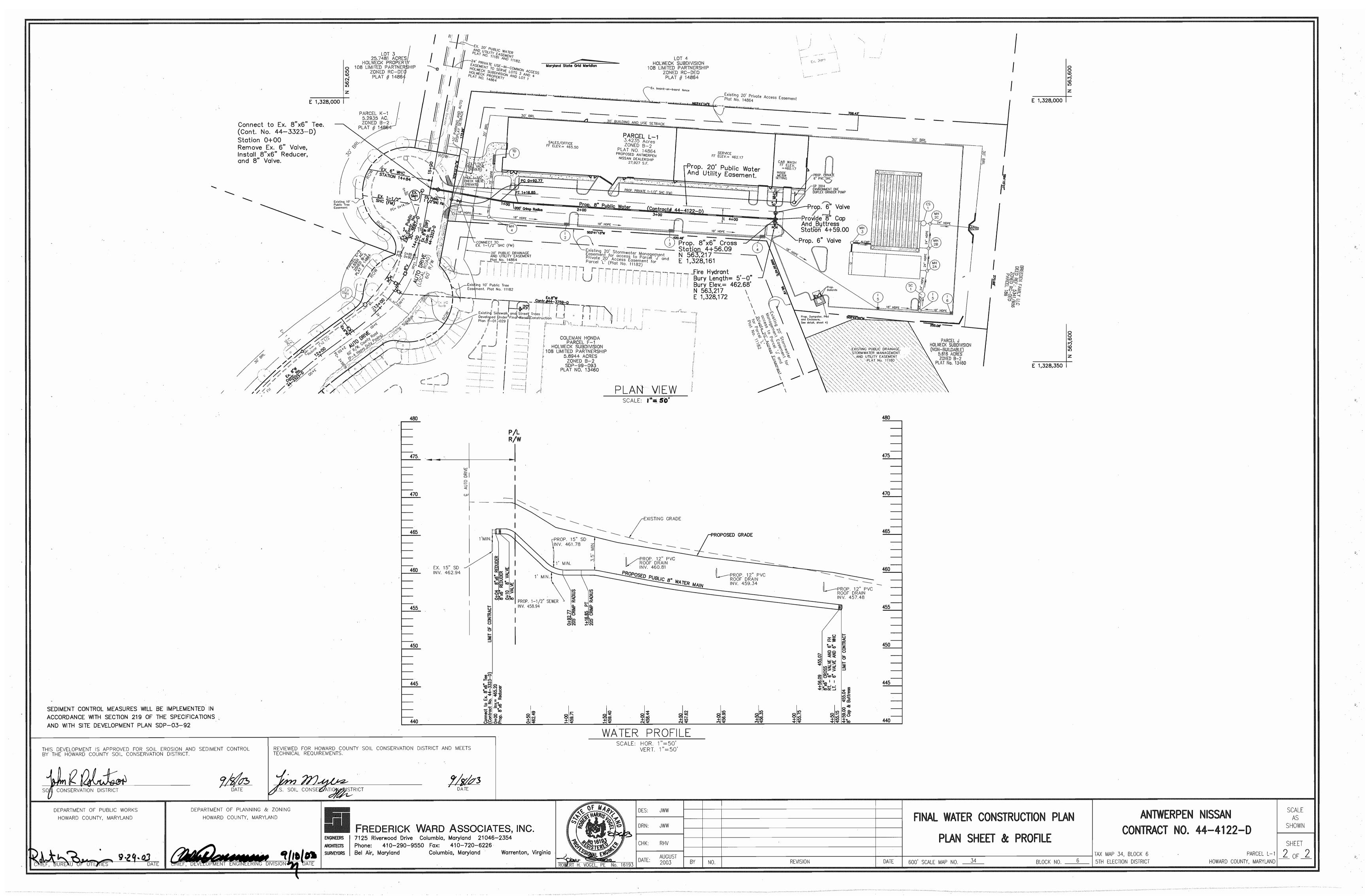
PARCEL L-1

REVISION

600' SCALE MAP NO. <u>34</u>

BLOCK NO. 6 5TH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND



GENERAL NOTES

- 1. 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
- 2. ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES. (NORTH AMERICAN DATUM OF 1983 (NAD 83))
- 3. ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATA.
- 4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- 5. CLEAR ALL UTILITIES BY A MINIMUM OF 12 INCHES. CLEAR ALL POLES BY 2'.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
- 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 THE LOCATION OF THE TEST PIT. A NOTES OR 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
- 8. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN

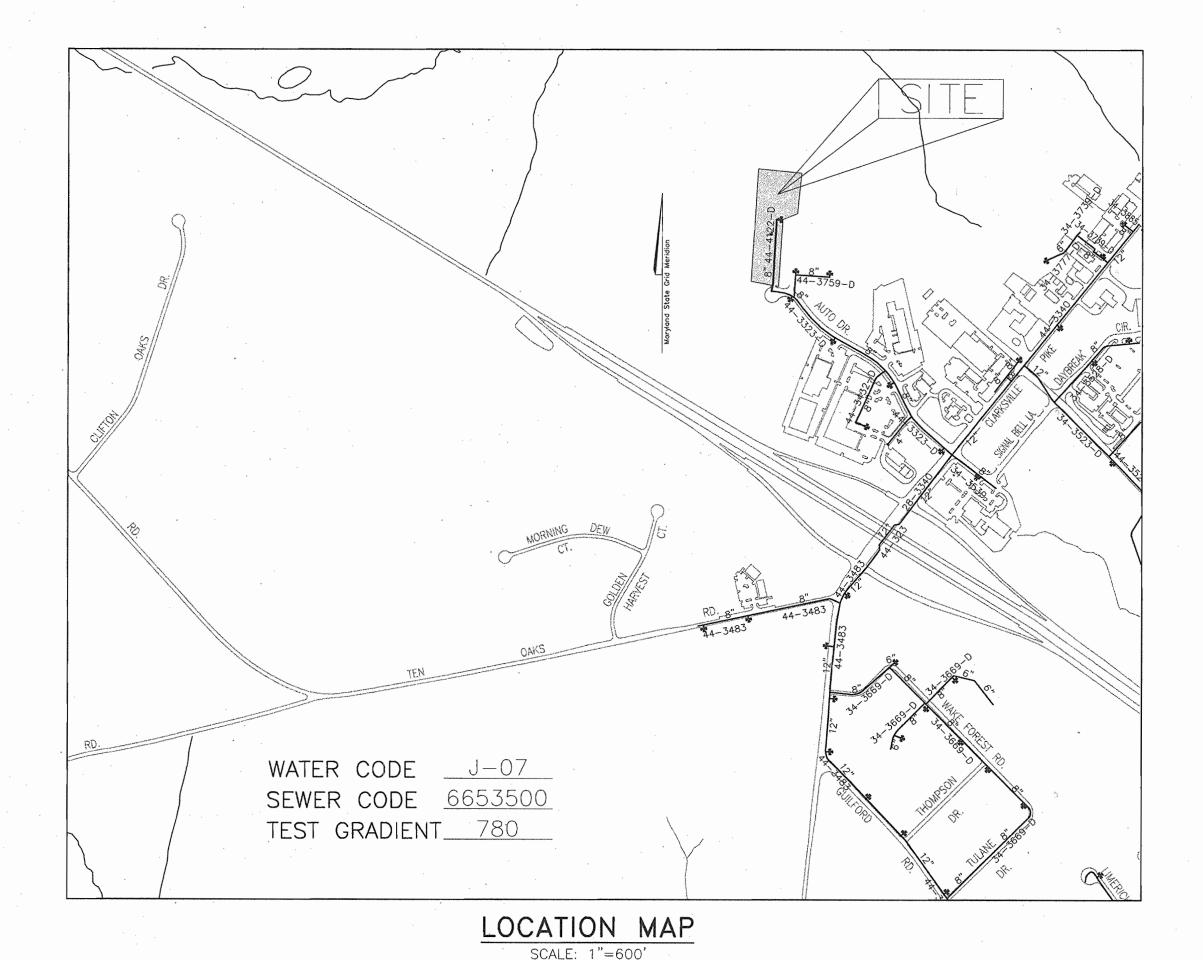
AT &T	
BGE (CONTRACTOR SERVICE)	410-850-4620
BGE (UINDERGROUND DAMAGE CONTROL)	410-291-4607
BUREAU OF UTILITIES	.410-313-4900
COLONIAL PIPELINE CO	410-549-4120
MISS UTILITY	1-800-257-7777
STATE HIGHWAY ADMINISTRATION	
VERIZON	3/410-224-9210

- 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
- 10. 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.
- 11. 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 BORING/JACKING OPERATION IN COUNTY ROADS FOR LAYING WATER/SEWER MAIN OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(a) OF THE HOWARD COUNTY CODE.
- 12. THE CONTRACTOR SHALL EXERSICE EXTREME CAUTION WHEN WORKING NEAR AND/OR AROUND OVERHEAD UTILITY WIRES.

PART II - WATER

- 1. ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- 2. TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-6" COVER UNLESS OTHERWISE NOTED.
- 3. 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.
- 5. 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 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.
- 7. ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING UNLESS OTHERWISE NOTED ON PLANS OR IN SPECIFICATIONS.

ANTWERPEN NISSAN FINAL PUBLIC WATER PLAN HOLWECK SUBDIVISION HOWARD COUNTY, MARYLAND CONTRACT NO. 44-4122-D



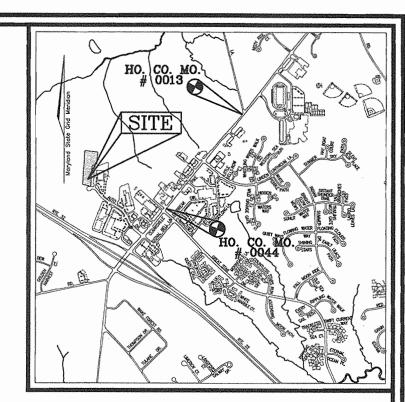
TYPE OF BUILDING: COMMERCIAL NO. OF UNITS/PARCELS: NO. OF WATER HOUSE CONNECTIONS: ONE NO. OF SEWER HOUSE CONNECTIONS: ONE MIDDLE PATUXENT RIVER DRAINAGE AREA: LITTLE PATUXENT RIVER WATER TREATMENT PLANT TREATMENT PLANT:

BENCHMARKS

HOWARD COUNTY BENCHMARK 34C2 (DESTROYED) N 562321.798 E 1329750.722

HOWARD COUNTY BENCHMARK 0013 N 564285.946 E 1331309.715 ELEVATION 484.671'

HOWARD COUNTY BENCHMARK 0044 N 562176.474 E 1329641.868 ELEVATION 485.252'



VICINITY MAP SCALE: 1"=2000'

WATER MAIN STRUCTURE SCHEDULE

STATION	DESCRIPTION			
0+04	8"x6" REDUCER			
, 0+10	8" VALVE			
4+56.09	8" x 6" CROSS (6" VALVE AND 6" F.H RT.) (6" WHC AND 6" VALVE - LT.)			
4+59	8" CAP AND BUTTRESS			

QUANTITIES							
NAME OF UTILITY CONTRACTOR : CHESAPEAKE SITE CONTRACTING, INC.							
SURVEY AND D	RAFTING DIVIS	ION AS-BUILT DAT	E : MAR	CH 12,2004			
ITEMS	QUANTITIES	AS-BUILT					
TILIVIS	ESTIMATED	QUANTITIES	TYPE	MANUFACTURER/SUPPLIER			
8" X 6" REDUCER	1 EA.	1 EACH	D.I.P.	TYLER/HUGHES SUPPLY INC.			
8" VALVE	1 EA.	I EACH	D.I.P.	KENNEDY VALVE/HUGHES SUPPLY			
8" WATER	459 L.F.	460 L.F.	D.I.P.	US PIPE & FOUNDARY/HUGHES SUPPLY			
6" WATER	22 L.F.	22 L.F.	D.I.P.	US PIPE & FOUNDARY/HUGHES SUPPLY			
8" X 6" CROSS	1 EA.	I EACH	D.I.P.	TYLER/HUGHES SUPPLY INC.			
6" VALVE	2 EA.	2 EACH	D.I.P.GATE	KENNEDY VALVE/HUGHES SUPPLY			
FIRE HYDRANT	1 EA.	1 EACH	KENNEDY	KENNEDY VALVE/HUGHES SUPPLY			
8" CAP & BUTTRESS	1 EA.	I EACH	D.I.P.	TYLER/HUGHES SUPPLY INC.			
,							

OWNER/DEVELOPER

12451 Áuto Drive Clarksville, MD 21029-1266

DATE: MARCH 12,2004

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND WITH SITE DEVELOPMENT PLAN SDP-03-92

DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND

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

9/8/03

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS

FREDERICK WARD ASSOCIATES, INC.



	DES: JWW				
		,			
IIIIIII	DRN: JWW	JWW		,	*
03					,
	CHK:	RHV			
	DATE: AUGUST	-			
	DATE.	700001			

FINAL WATER CONSTRUCTION PLAN TITLE SHEET

ANTWERPEN NISSAN CONTRACT NO. 44-4122-D

SCALE AS SHOWN SHEET

READ OF UTILITIES 8-29.03 CARDONNOSON

DEPARTMENT OF PLANNING & ZONING

HOWARD COUNTY, MARYLAND

ARCHITECTS | Phone: 410-290-9550 Fax: 410-720-6226 SURVEYORS | Bel Air, Maryland

7125 Riverwood Drive Columbia, Maryland 21046-2354

ROBERT H. VOGEL, PE No. 16193 DATE: 2003 BY NO.

600' SCALE MAP NO. ____34__

TAX MAP 34, BLOCK 6 BLOCK NO. 6 5TH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

