

GENERAL NOTES

PART I

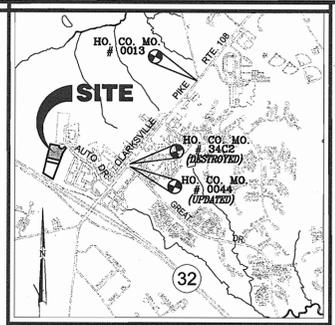
- APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES. (NORTH AMERICAN DATUM OF 1983 (NAD 83))
- ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATA.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- 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.
- 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 (UNDERGROUND 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 ..... 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 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(g) OF THE HOWARD COUNTY CODE.
- THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING NEAR AND/OR AROUND OVERHEAD UTILITY WIRES.

PART II - WATER

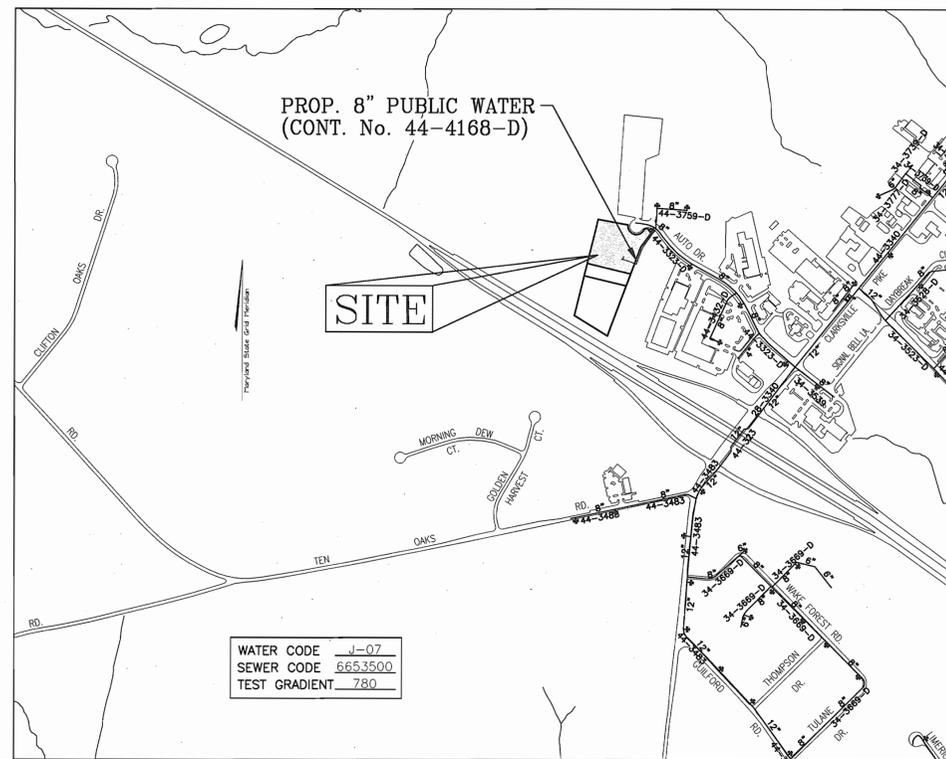
- ALL WATER MAINS TO BE D.I.P. CLASS '52 UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-6" COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS 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 STANDARD DETAILS. THE SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 1005 OF THE STANDARD SPECIFICATIONS.
- 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 PLANS OR IN SPECIFICATIONS.

# WIN KELLY MITSUBISHI FINAL PUBLIC WATER PLAN HOLWECK SUBDIVISION HOWARD COUNTY, MARYLAND CONTRACT NO. 44-4168-D

**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'



LOCATION MAP  
SCALE: 1"=2000'



VICINITY MAP  
SCALE: 1"=600'

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

QUANTITIES				
NAME OF UTILITY CONTRACTOR :				
SURVEY AND DRAFTING DIVISION AS-BUILT DATE :				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
FIRE HYDRANT	2 EA.			
8" TAPPING SLEEVE	1 EA.			
8" VALVE	3 EA.			
8" X 6" TEE	2 EA.			
8" X 8" TEE	1 EA.			
6" VALVE	2 EA.			
6" CAP & BUTTRESS	1 EA.			
8" CAP & BUTTRESS	1 EA.			
8" WATER	400 L.F.			
6" WATER	45 L.F.			

OWNER/DEVELOPER

KEVIN BELL  
 c/o WIN KELLY CHEVROLET/GEO  
 12421 AUTO DRIVE  
 CLARKSVILLE, MD 21029  
 (410) 988-9522

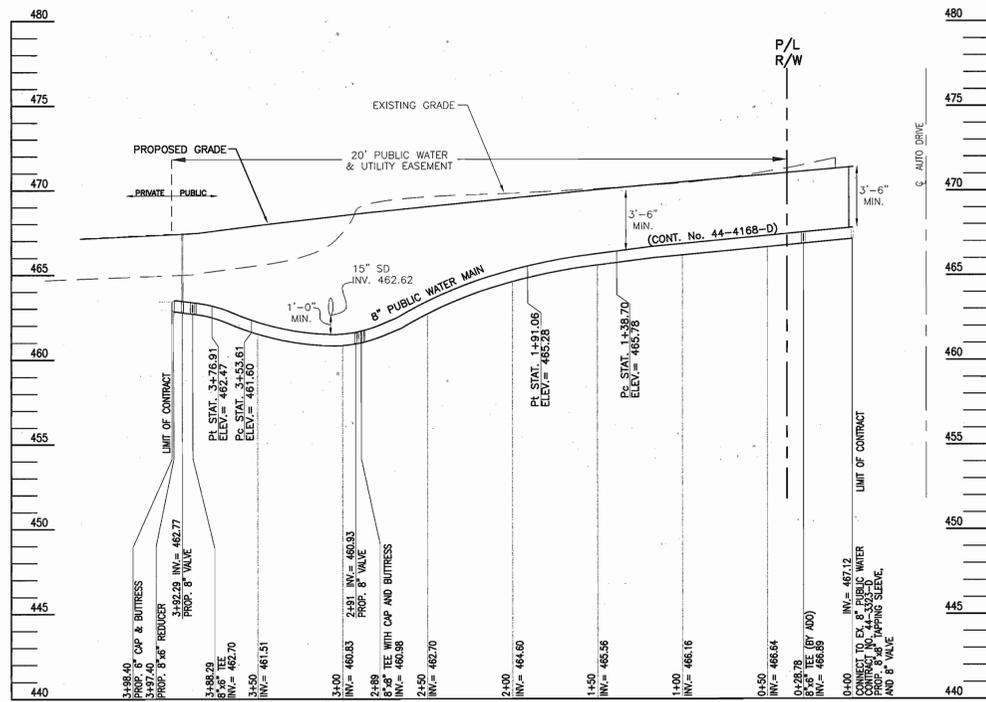
SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND WITH SITE DEVELOPMENT PLAN SDP-03-93

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.

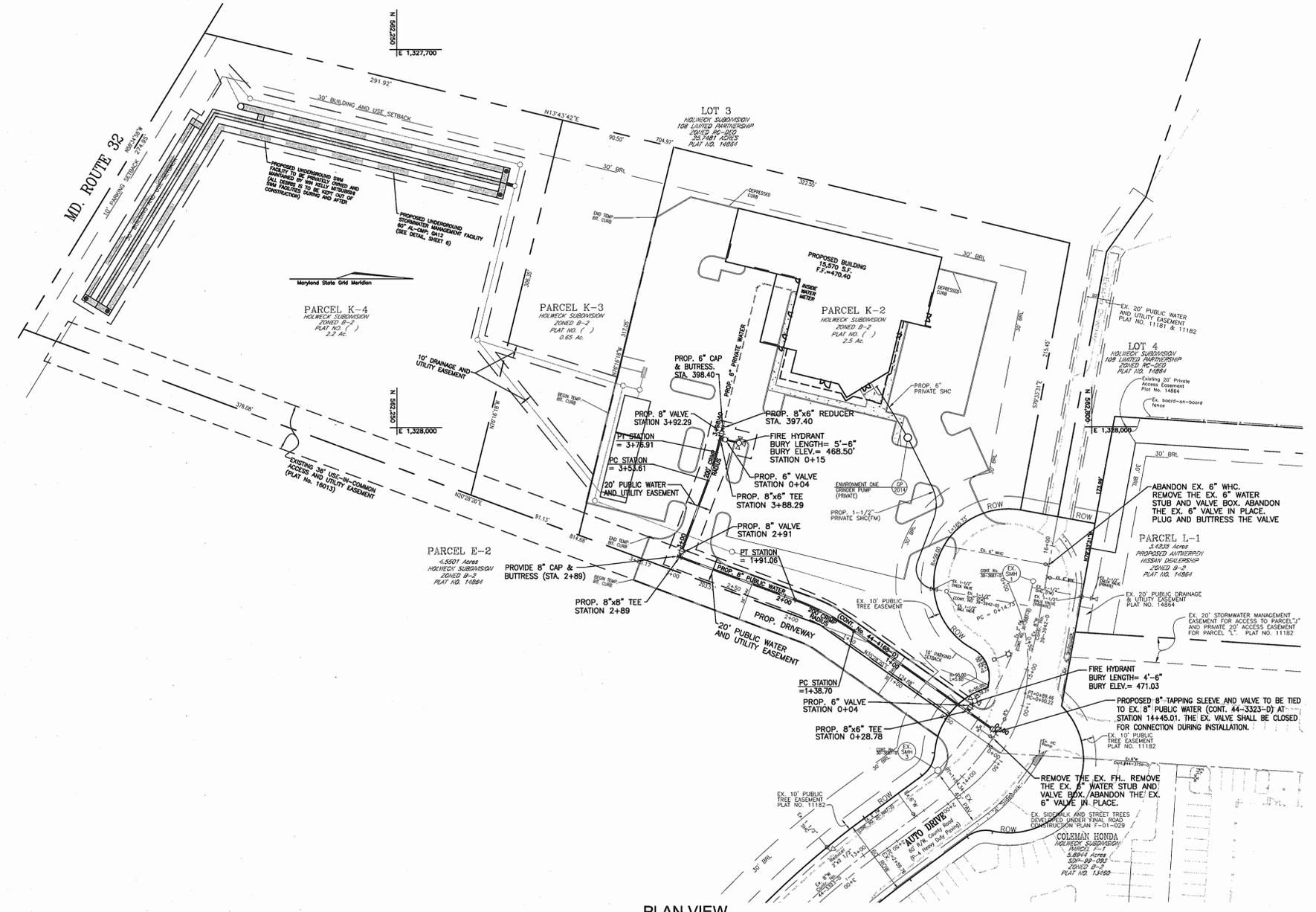
*John R. Robertson* 10-22-03  
 SOIL CONSERVATION DISTRICT DATE

*Jim Myer* 10-22-03  
 S.O.S. SOIL CONSERVATION DISTRICT DATE

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>Rita B...</i> 10-14-03 CHIEF, BUREAU OF UTILITIES DATE	DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND <i>...</i> 10/20/03 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE	FREDERICK WARD ASSOCIATES, INC. 7125 Riverwood Drive Columbia, Maryland 21046-2354 Phone: 410-290-9550 Fax: 410-720-6226 Bel Air, Maryland Columbia, Maryland Warrenton, Virginia	DES: DZ DRN: DZ CHK: RHV DATE: SEPT 2003	FINAL WATER PLAN TITLE SHEET	WIN KELLY MITSUBISHI CONTRACT NO. 44-4168-D	SCALE AS SHOWN SHEET 1 OF 2
STATE OF MARYLAND ROBERT HARRIS VOGEL REGISTERED PROFESSIONAL ENGINEER NO. 16193		DATE: SEPT 2003 BY NO. REVISION DATE		600' SCALE MAP NO. 34 BLOCK NO. 6 TAX MAP 34, BLOCK 6 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND		PARCEL K-2 HOWARD COUNTY, MARYLAND



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



**PLAN VIEW**  
SCALE: 1"=50'

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND WITH SITE DEVELOPMENT PLAN SDP-03-93

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*John R. Robertson* 10-22-03  
SOIL CONSERVATION DISTRICT DATE

*Jim Meyer* 10-22-03  
SOIL CONSERVATION DISTRICT DATE

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*Ruth Benjamin* 10-14-03  
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING  
HOWARD COUNTY, MARYLAND

*W. Benjamin* 10/22/03  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

**FREDERICK WARD ASSOCIATES, INC.**  
7125 Riverwood Drive Columbia, Maryland 21046-2354  
Phone: 410-290-9550 Fax: 410-720-6226  
Bel Air, Maryland Columbia, Maryland Warrenton, Virginia

*Robert H. Vogel* PE No. 16193  
REGISTERED PROFESSIONAL ENGINEER



DES:	DZ				
DRN:	DZ				
CHK:	RHV				
DATE:	SEPT 2003	BY:	NO.	REVISION	DATE

**FINAL WATER PLAN  
PLAN & PROFILE**

600' SCALE MAP NO. 34 BLOCK NO. 6

**WIN KELLY MITSUBISHI  
CONTRACT NO. 44-4168-D**

TAX MAP 34, BLOCK 6  
5TH ELECTION DISTRICT

PARCEL K-2  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 2 OF 2

GENERAL NOTES

PART I

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PART II - WATER

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SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 211 OF THE SPECIFICATIONS AND WITH SITE DEVELOPMENT PLAN SDP-03-93

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.

*John R. Robertson*  
SOIL CONSERVATION DISTRICT

10-22-03  
DATE

*Jim Myer*  
S. SOIL CONSERVATION DISTRICT

10-22-03  
DATE

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  
 SURVEYOR: Bel Air, Maryland Columbia, Maryland Warrenton, Virginia



DES: DZ  
 DRN: DZ  
 CHK: RHV  
 DATE: SEPT 2003

BY NO. REVISION DATE 600' SCALE MAP NO. 54

FINAL WATER PLAN  
 TITLE SHEET

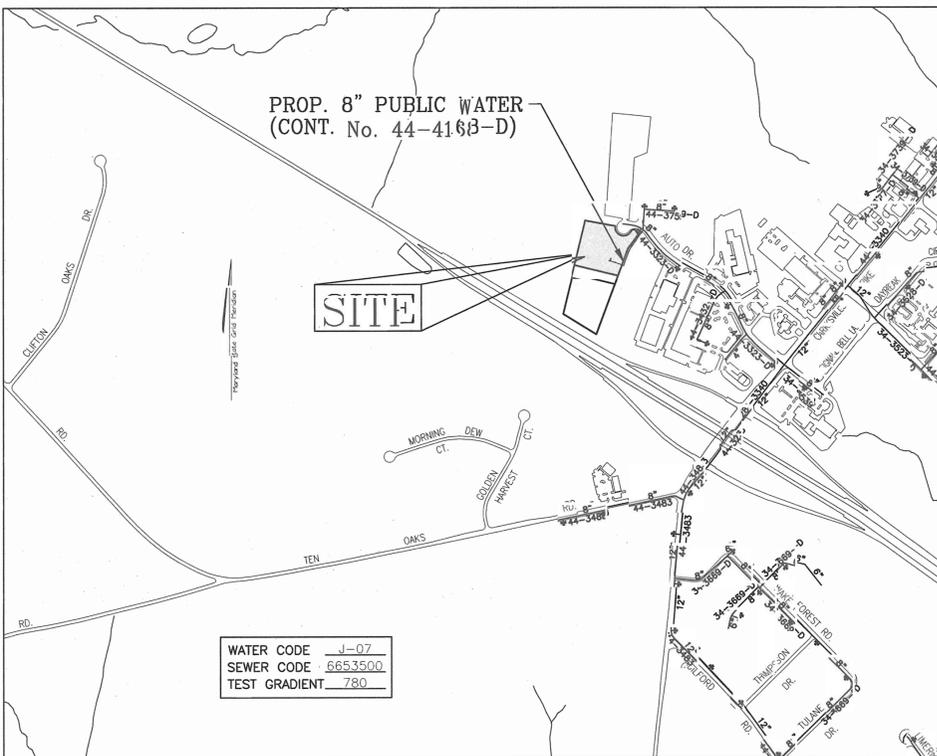
WIN KELLY MITSUBISHI  
 CONTRACT NO. 44-4168-D

SCALE AS SHOWN

SHEET 1 OF 2

FAX MAP 34, BLOCK 6  
 15TH ELECTION DISTRICT

PARCEL K-2  
 HOWARD COUNTY, MARYLAND

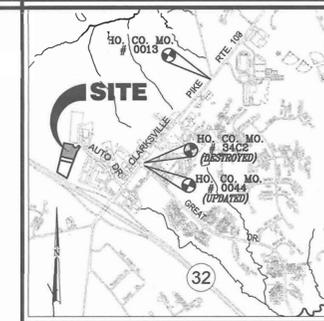


VICINITY MAP  
 SCALE: 1"=600'

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

BENCHMARKS

- HOWARD COUNTY BENCHMARK 34C2 (DESTROYED)  
 N 562321.798 E 1329750.722
- HOWARD COUNTY BENCHMARK 001.3  
 N 564255.948 E 1331309.715  
 ELEVATION 484.671'
- HOWARD COUNTY BENCHMARK 0044  
 N 562179.474 E 1329641.868  
 ELEVATION 485.252'



LOCATION MAP  
 SCALE: 1"=200'

QUANTITIES

NAME OF UTILITY CONTRACTOR : GAINES AND COMPANY Inc.				
SURVEY AND DRAFTING DIVISION AS-BUILT DATE : JUNE 2004				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
FIRE HYDRANT	2 EA.	2 EACH	2-25	MUELLER
8" TAPPING SLEEVE	1 EA.	1 EACH	1/2" TAP	MUELLER
8" VALVE	3 EA.	1 EACH	MJ	MUELLER
8" X 6" TEE	2 EA.	2 EACH	MJ	TYLER
8" X 8" TEE	1 EA.	1 EACH	MJ	TYLER
6" VALVE	2 EA.	2 EACH	MJ	MUELLER
6" CAP & BUTTRESS	1 EA.	1 EACH	MJ	TYLER
8" CAP & BUTTRESS	1 EA.	1 EACH	MJ	TYLER
8" WATER	400 L.F.	400 L.F.	CLASS 52	GRIFFIN PIPE CO.
6" WATER	45 L.F.	45 L.F.	CLASS 52	GRIFFIN PIPE CO.

OWNER/DEVELOPER

KEVIN BELL  
 c/o WIN KELLY CHEVROLET/GEO  
 12421 AUTO DRIVE  
 CLARKSVILLE, MD 21029  
 (410) 888-9522

AS BUILT

DATE: JUNE 2004

