


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 83/91.
- ALL VERTICAL CONTROLS ARE BASED ON NAVD 88 UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- 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 TO 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) 410-850-4820
 BGE (UNDERGROUND DAMAGE CONTROL) 410-787-9068
 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 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 16.114(c) OF THE HOWARD COUNTY CODE.
- PROVIDE CAST IRON ROADWAY BOXES FOR WHC BALL VALVE WITHIN PAVED AREAS.
- PROVIDE CAST IRON ROADWAY BOXES FOR WHC BALL VALVE WITHIN PAVED AREAS.

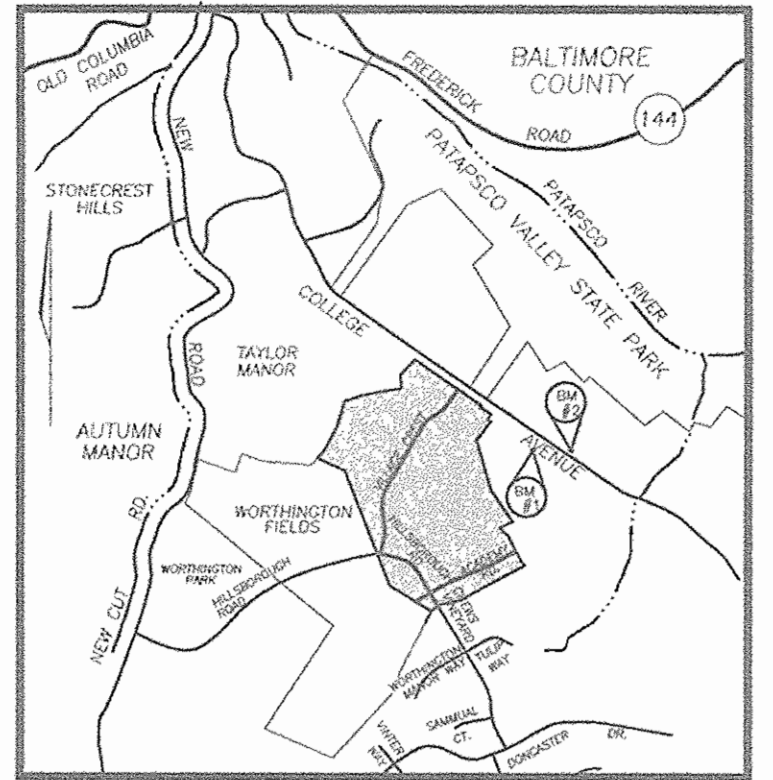
PART II - WATER

- ALL WATER MAINS TO BE D.I.P. CLASS S2 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 INSTALLED IN ACCORDANCE WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. THE SOIL AROUND 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.

TYPE OF BUILDING:	RESIDENTIAL
NO. OF BUILDINGS:	2 (COMMERCIAL BLDGS), 14 (APR. BLDGS.)
NO. OF WATER HOUSE CONNECTIONS:	16 (6" WHC) + 4 (1" WHC)
NO. OF SEWER HOUSE CONNECTIONS:	N/A
DRAINAGE AREA:	PATAPSCO
TREATMENT PLANT:	PATAPSCO WRP VIA
NEW CUT ROAD PUMPING STATION AND COLLEGE AVENUE PUMPING STATION BUILDING #3 - SEWER TO NEW CUT ROAD PUMPING STATION, OTHER TO COLLEGE AVENUE PUMPING STATION	

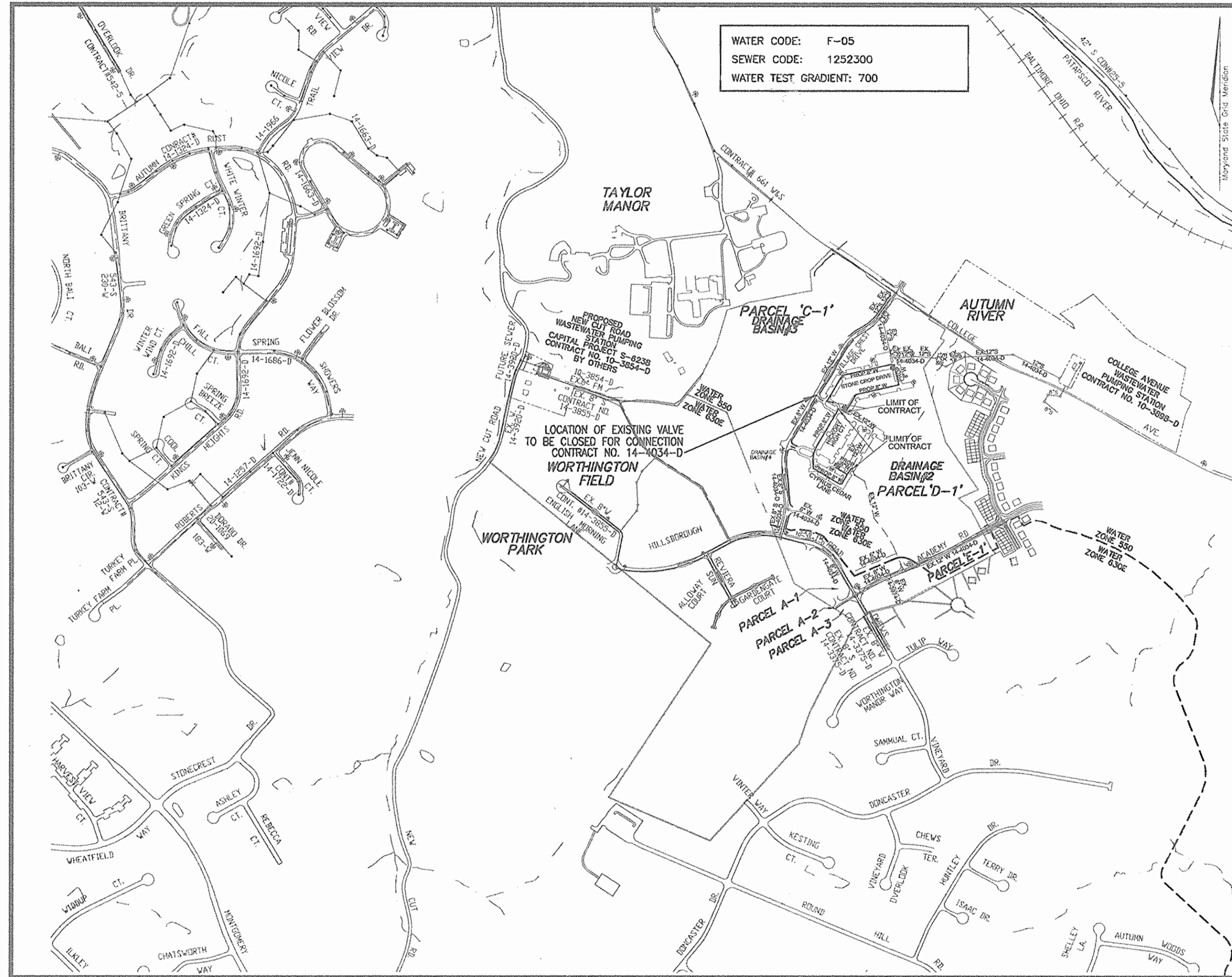
VILLAGE CREST PART OF PARCELS D-1 HOWARD COUNTY, MARYLAND FINAL WATER

CONTRACT NO. 44-4091-D



VICINITY MAP
SCALE: 1"=2000'

BENCHMARKS
 BENCHMARK NO. 1: COUNTY CONTROL #3044005R
 3/4" REBAR 0.8' BELOW SURFACE
 N. 578233.92, E. 1373142.33
 ELEV. = 374.389
 BENCHMARK NO. 2: COUNTY CONTROL #3044004R
 3/4" REBAR 0.8' BELOW SURFACE
 N. 578128.03, E. 1373460.71
 ELEV. = 362.575



LOCATION PLAN
SCALE: 1"=600'

QUANTITIES				
NAME OF UTILITY CONTRACTOR:				
SURVEY AND DRAFTING DIVISION AS-BUILT DATE:				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
8" W	2236 LF	2,236	DIP 01-52	GRIFFIN PIPE
6" W	32 LF	32	DIP 01-52	" "
FIRE HYDRANT	5 EACH	5EA	MURBLER	U.S. PIPE
FIRE HYDRANT TEE	5 EACH	5EA	M.J.	" "
FIRE HYDRANT VALVE	5 EACH	5EA	M.J.	" "
8"X8" TEE	3 EACH	3EA	M.J.	" "
8" VALVE	2 EACH	2EA	M.J.	U.S. PIPE
8" CAP & BUTTRESS	1 EACH	1EA	M.J.	" "
6" CAP & BUTTRESS	1 EACH	1EA	M.J.	" "
8"X6" RED	1 EACH	1EA	M.J.	" "
6" VALVE	1 EACH	1EA	M.J.	" "
6" WHC	105 LF	220	01-52	" "
1" WHC	171 LF	200	KOOPER	READING

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND WITH FINAL PLAN F-02-47 AND SDP-02-94.

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

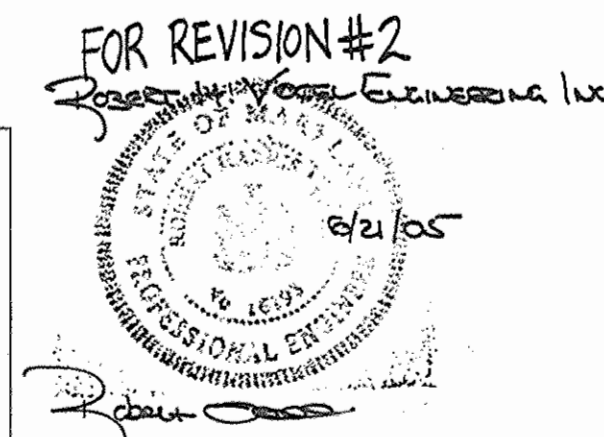
REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

[Signature]
SOIL CONSERVATION DISTRICT

9/5/03
DATE

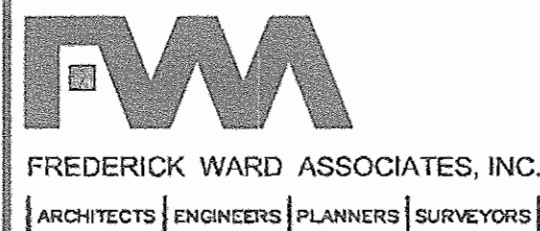
[Signature]
NATURAL RESOURCE CONSERVATION SERVICE

9/5/03
DATE



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND



7125 RIVERWOOD DRIVE
COLUMBIA, MARYLAND 21048-2354
410-720-6900
410-720-6228 fax
www.frederickward.com



DES:	RJ				
DRN:	RJ	K.G.L. 3	AS-BUILT DATA ADDED TO PLAN REFLECTING CHANGES DONE PER SDP-04-25	11/01/06	1-10-2005
CHK:	JCO	R.J. 1	RESITEG/REDESIGNED THE SENIOR CENTER AND BLDG #3.		
DATE:	SEPT. 2003				
BY:	NO.		REVISION	DATE	

TITLE SHEET
FINAL
8" WATER

VILLAGE CREST
PART OF PARCELS D-1
CONTRACT NO. 44-4091-D

SCALE
AS
SHOWN

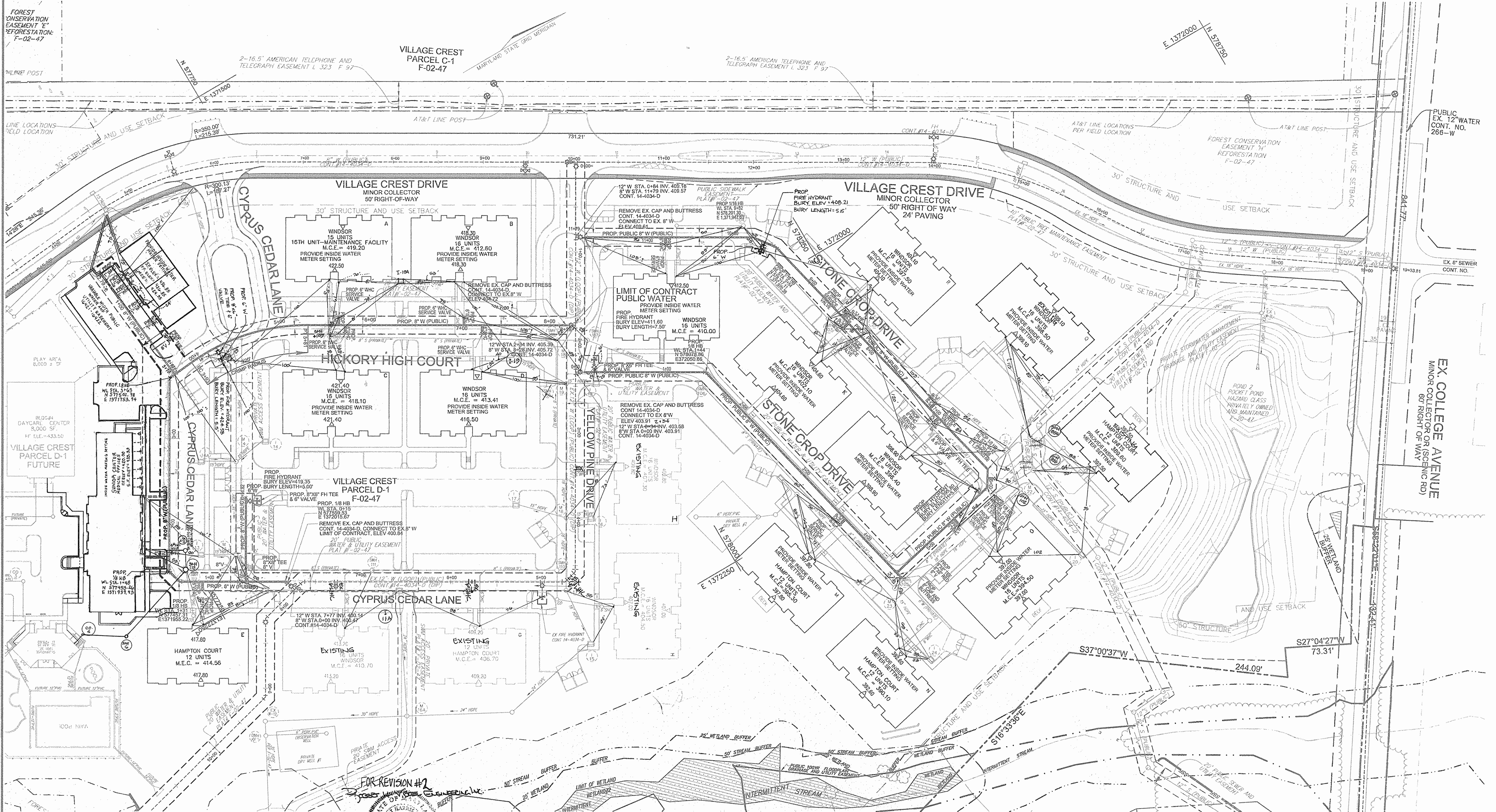
SHEET
1 OF 3

TAX MAP 25 BLOCK 20
2ND ELECTION DISTRICT

PARCEL P/O '98
HOWARD COUNTY, MARYLAND

NOTE:
 BUILDING #3 IS LOCATED IN THE NEW CUT WASTE WATER
 PUMPING STATION DRAINAGE AREA AND ALL OTHER BUILDINGS
 ARE LOCATED IN THE COLLEGE AVENUE WASTE WATER PUMPING STATION DRAINAGE AREA.

FOREST
 CONSERVATION
 EASEMENT 'E'
 REFORESTATION
 F-02-47

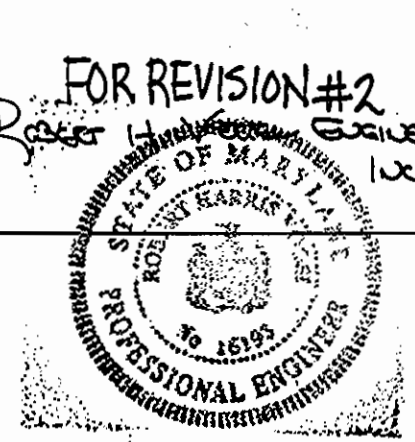
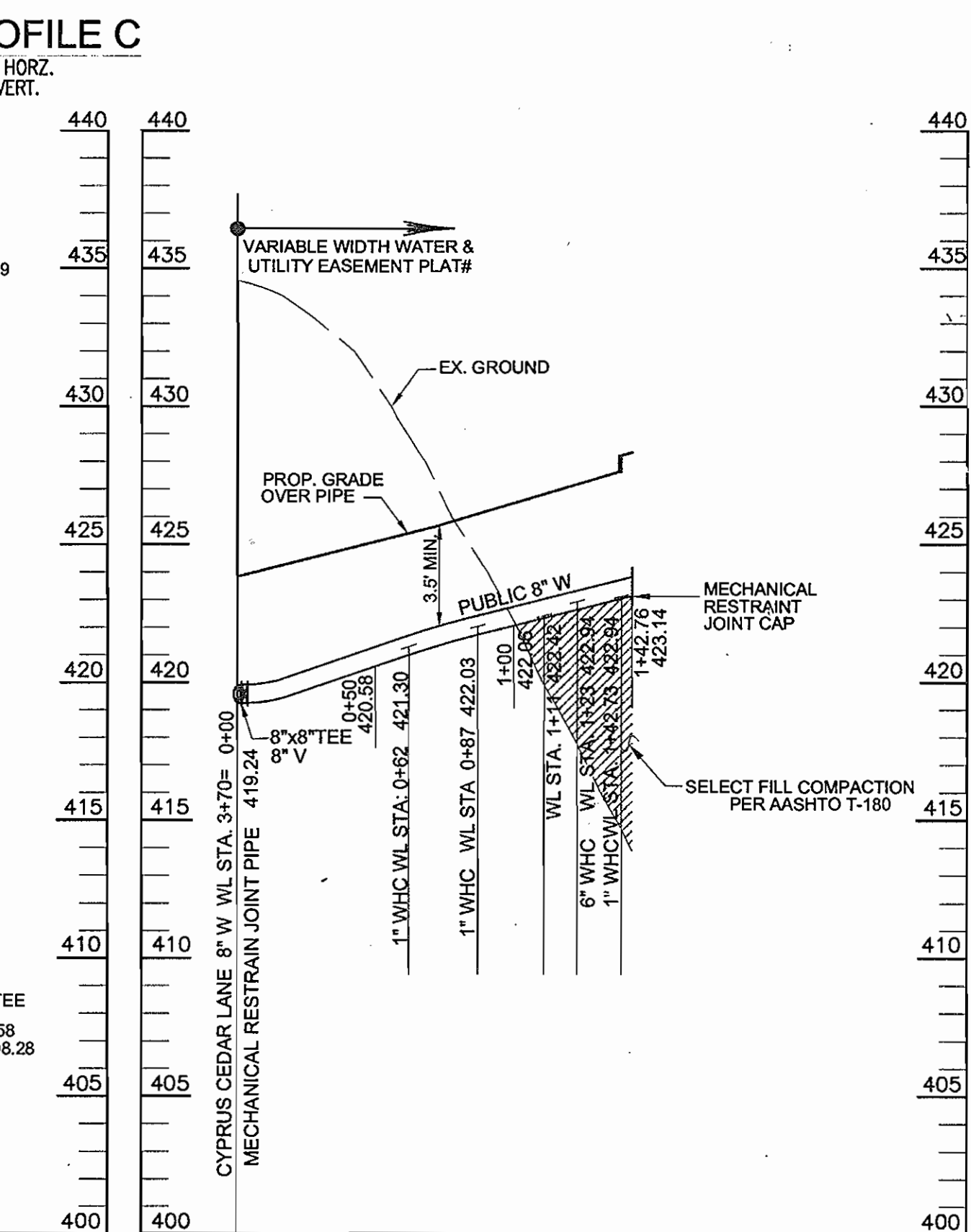
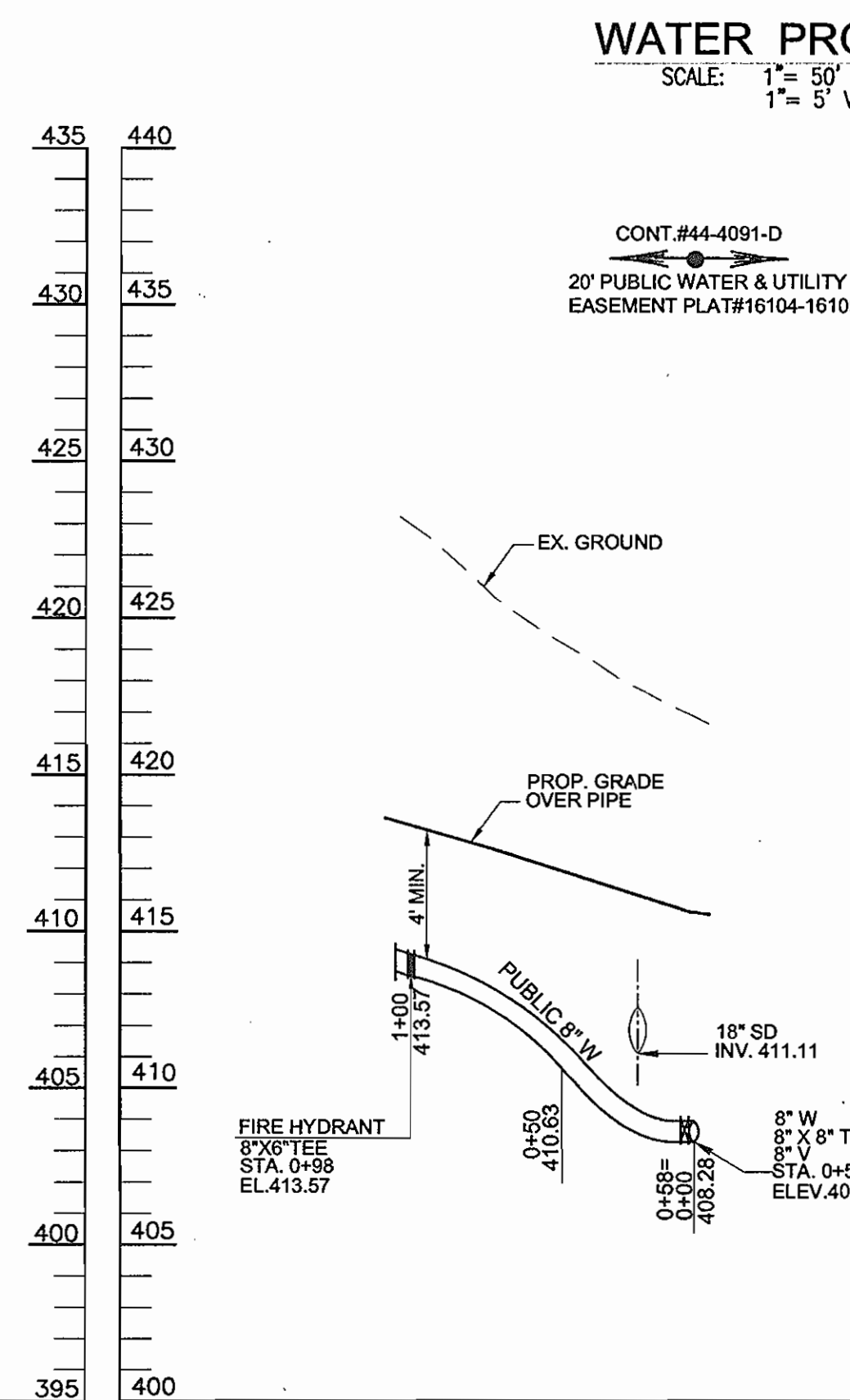
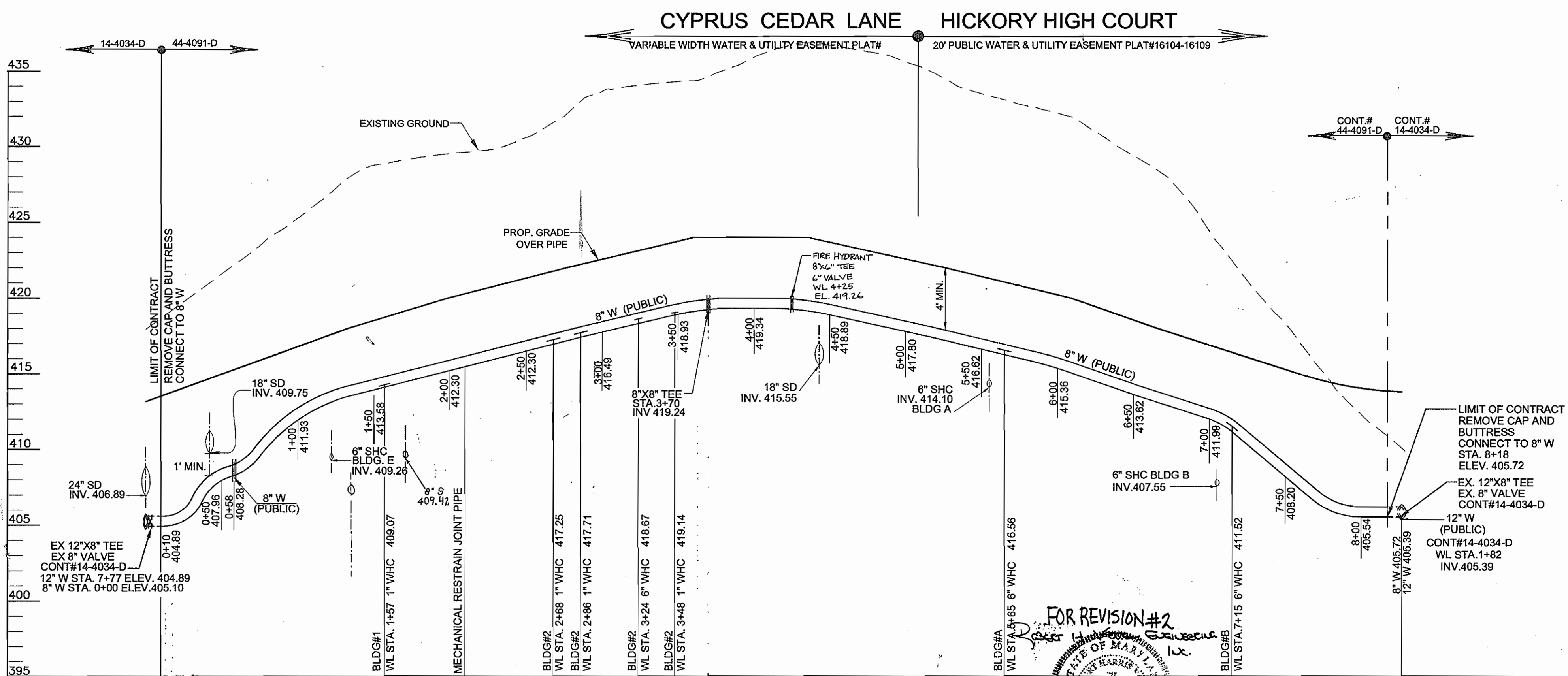
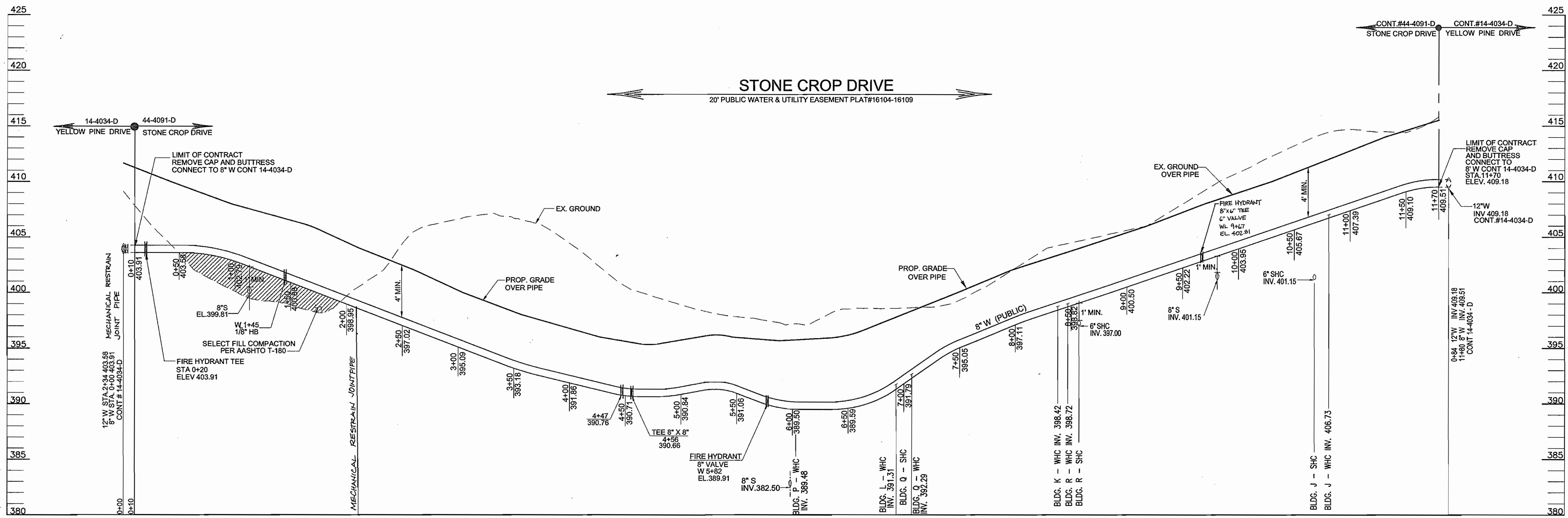


PLAN VIEW
 1"=50'

FOR REVISION #2
 [Signature]
 PROFESSIONAL ENGINEER
 STATE OF MARYLAND
 No. 16193

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND		DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND		 7125 RIVERWOOD DRIVE COLUMBIA, MARYLAND 21046-2354 410-720-6800 410-720-6226 fax www.frederickward.com		 ROBERT H. VANDEN NO. 16193		DES: RJ DRN: RJ CHK: JCO DATE: AUG. 2003		REVISION 1. ASBUILT DATA 10/31/00 2. REFLECTING CHANGES DONE PER SDP. 04-25 1-10-2005 3. RESIGNED/REDESIGNED THE SENIOR CENTER LABEL BUILDINGS F-1 F-1 PIGAS EXISTING AND ADD EX. G' W/HOS. TO BUILDINGS F-1 1/13/04		FINAL 8" WATER		TWP MAP 25 BLOCK 20 2ND ELECTION DISTRICT		SCALE AS SHOWN SHEET 2 OF 3	
VILLAGE CREST PART OF PARCELS D-1 CONTRACT NO. 44-4091-D				600' SCALE MAP NO. 25		BLOCK NO. 20		PARCEL P/O '98' HOWARD COUNTY, MARYLAND									

[Signatures]
 DATE 9/5/03
 CHIEF, DEVELOPMENT ENGINEERING DIVISION



DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND		DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND		7125 RIVERWOOD DRIVE COLUMBIA, MARYLAND 21046-2354 410-729-6800 410-720-6226 fax		ROBERT H. VOGEL, PE NO. 16193		DES: RJ DRN: RJ CHK: JCO DATE: SEPT. 2003		BY: NO. REVISION DATE RJ 1 RESITED/REDESIGNED THE SENIOR CENTER AND BLDG. #3 1/10/2005		FINAL 8" WATER		600' SCALE MAP NO. 25 BLOCK NO. 20		TAX MAP 25 BLOCK 20 2ND ELECTION DISTRICT		VILLAGE CREST PART OF PARCELS D-1 CONTRACT NO.44-4091-D		SCALE AS SHOWN SHEET 3 OF 3	
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