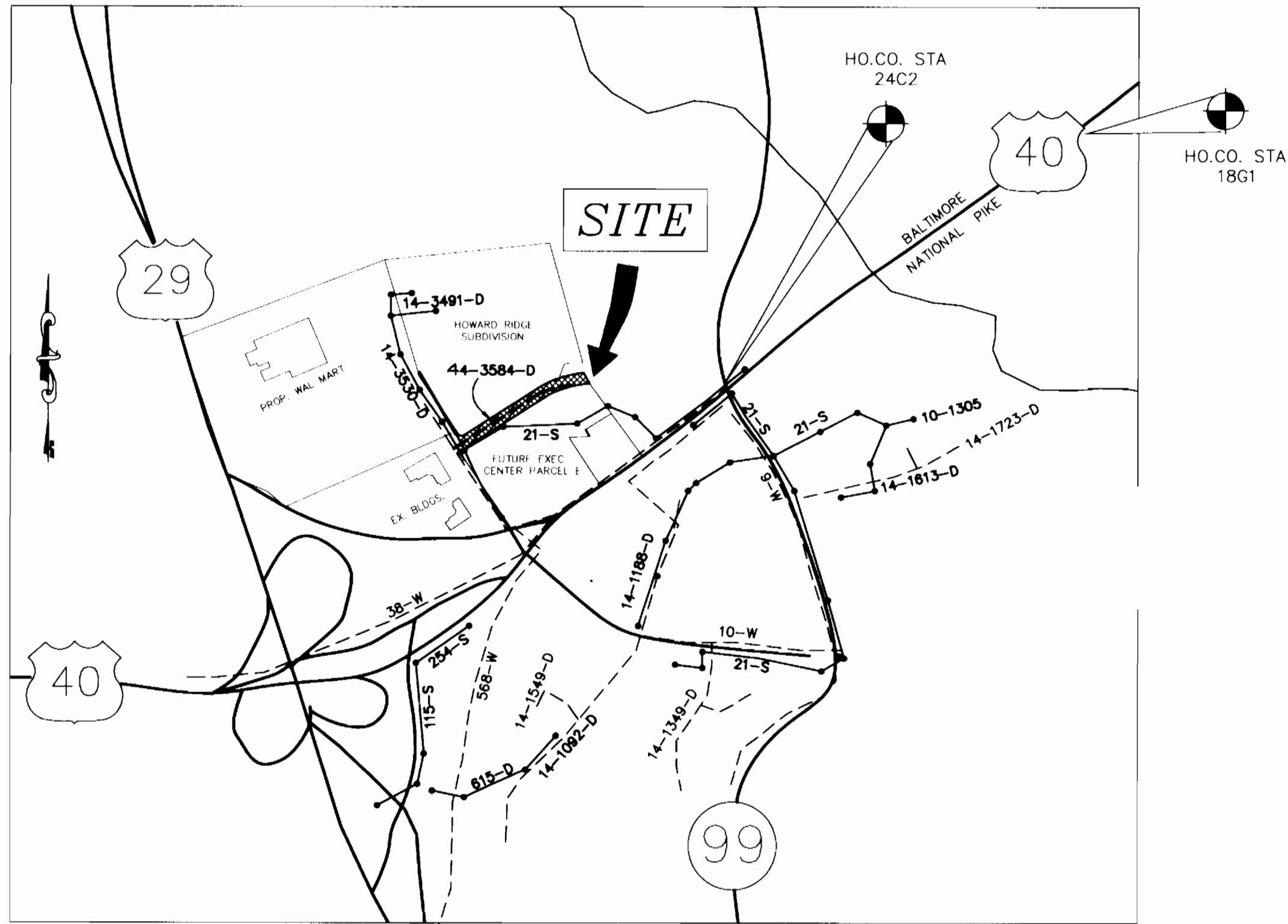


QUANTITY TABLE

ITEMS	QUANTITIES ESTIMATED	QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
8" WATER	735 L.F.	734.5	CL 52 DIP TYTON JOINT	ATLANTIC STATE
6" WATER	25 L.F.	19.06	CL 52 DIP TYTON JOINT	ATLANTIC STATE
8" WHC	72 L.F.	33.0	CL 52 DIP TYTON JOINT	ATLANTIC STATE
F.H.	1	1	50 CENTURION	MUELLER CO.
8"x6" F.H.T. & V.	1	1	M.J. WEDGE GATE	UNION FOUNDRY/MUELLER CO.
12"x8" TS&V	1	1	HGIS MS TAPP.S.	MUELLER CO.
8" CAP & BUTTRESS	1	1	M.J. CAP	UNION FOUNDRY
8" V	2	2	RES. WEDGE GATE	MUELLER CO.
8"x8" T	1	1	M.J. TEE	UNION FOUNDRY
6" V	1	1	RES. WEDGE GATE	UNION FOUNDRY
NAME OF UTILITY CONTRACTOR: J.F.C. EXCAVATING				
SURVEY AND DRAFTING DIVISION AS-BUILT DATE				



VICINITY MAP

SCALE: 1"=600'

WATER CODE F03
SEWER CODE 1452800
TEST GRADIENT 700

TYPE OF BUILDING: NONE
No. OF UNITS: NONE
No. OF WATER HOUSE CONNECTION: 2
No. OF SEWER HOUSE CONNECTIONS: 0
DRAINAGE AREA: PAT.
TREATMENT PLANT: PAT.

GENERAL NOTES

- APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY. 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.
- 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 6". CLEAR ALL POLES BY 2' 0" MINIMUM OR TUNNEL REQUIRED. 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 BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONEY 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 DETAIL 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 NOTE 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 OPERATIONS AT HIS OWN EXPENSE.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 - STATE HIGHWAY ADMINISTRATION 531-5533
 - BG & E CO. CONTRACTOR SERVICES 850-4620
 - BG & E CO. UNDERGROUND DAMAGE CONTROL 787-9068
 - MISS UTILITY 1-800-257-7777
 - COLONIAL PIPELINE CO. 795-1390
 - HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS 313-4900
 - BUREAU OF UTILITIES
- TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITH THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-1/2' 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 STRAPPED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. 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.
- ALL APPURTEANCES SHOWN ON CENTERLINE STATIONING. WATER PROFILE SHOWN ON CENTERLINE STATIONING.
- ALL CLEANOUTS AND BALL VALVES ARE TO BE LOCATED AT THE WATER, SEWER AND UTILITY EASEMENT LINE.
- CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENSING CONSTRUCTION.
- SEDIMENT CONTROL TO BE PROVIDED BY F-97-53. ALL WATER AND SEWER CONSTRUCTION TO BE INSIDE F-96-53'S LIMIT OF DISTURBANCE.
- COORDINATES BASED ON NAD 83, MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO 18G1 AND 24C2.
 - STA. NO. 18G1 N 589,984.950 E 1,367,750.240
 - STA. NO. 24C2 N 588,648.319 E 1,366,038.130

INDEX OF DRAWINGS

NO.	DESCRIPTION
1	TITLE SHEET
2	WATER PLAN & PROFILE

CONTRACT NO.: 44-3584-D EXECUTIVE CENTER PARCEL E TAX MAP 24, LOT A-7, PLAT #12488 & PARCEL 47 WATER AND SEWER MAIN EXTENSIONS HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature] 2/18/97
DEVELOPER'S SIGNATURE DATE
DEVELOPER'S NAME

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT 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 THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature] FEB 18, 1997
ENGINEER'S SIGNATURE DATE
ENGINEER'S NAME

REVIEWED FOR HOWARD SCD AND MEET TECHNICAL REQUIREMENTS.

[Signature] 2/21/97
LSDA-NATURAL RESOURCES CONSERVATION SERVICE DATE

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

[Signature] 2/18/97
HOWARD SCD DATE

PLAN REFERENCE NUMBERS
F-97 53

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 2-18-97
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

[Signature] 2/25/97
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0296 Ball. (301) 821-5521 Wash. (410) 997-0298 Fax



engineering	SD		
illustration	SD		
approval			
project	96011		
date	JAN 97	BY	NO.
		REVISION	DATE

WATER
"ASBUILT" 2/98
PLAN & PROFILE

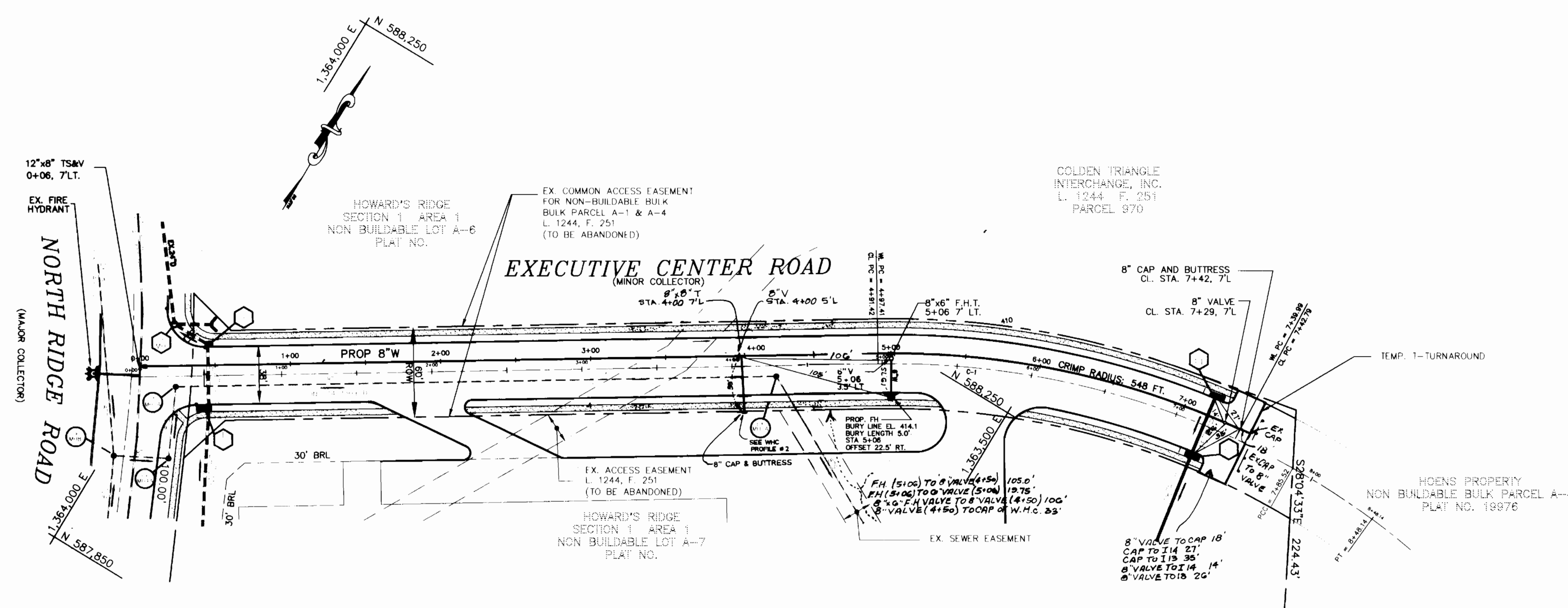
ASBUILT CONDITIONS ADDED 2/98

600' SCALE MAP NO. 24 BLOCK NO. 6

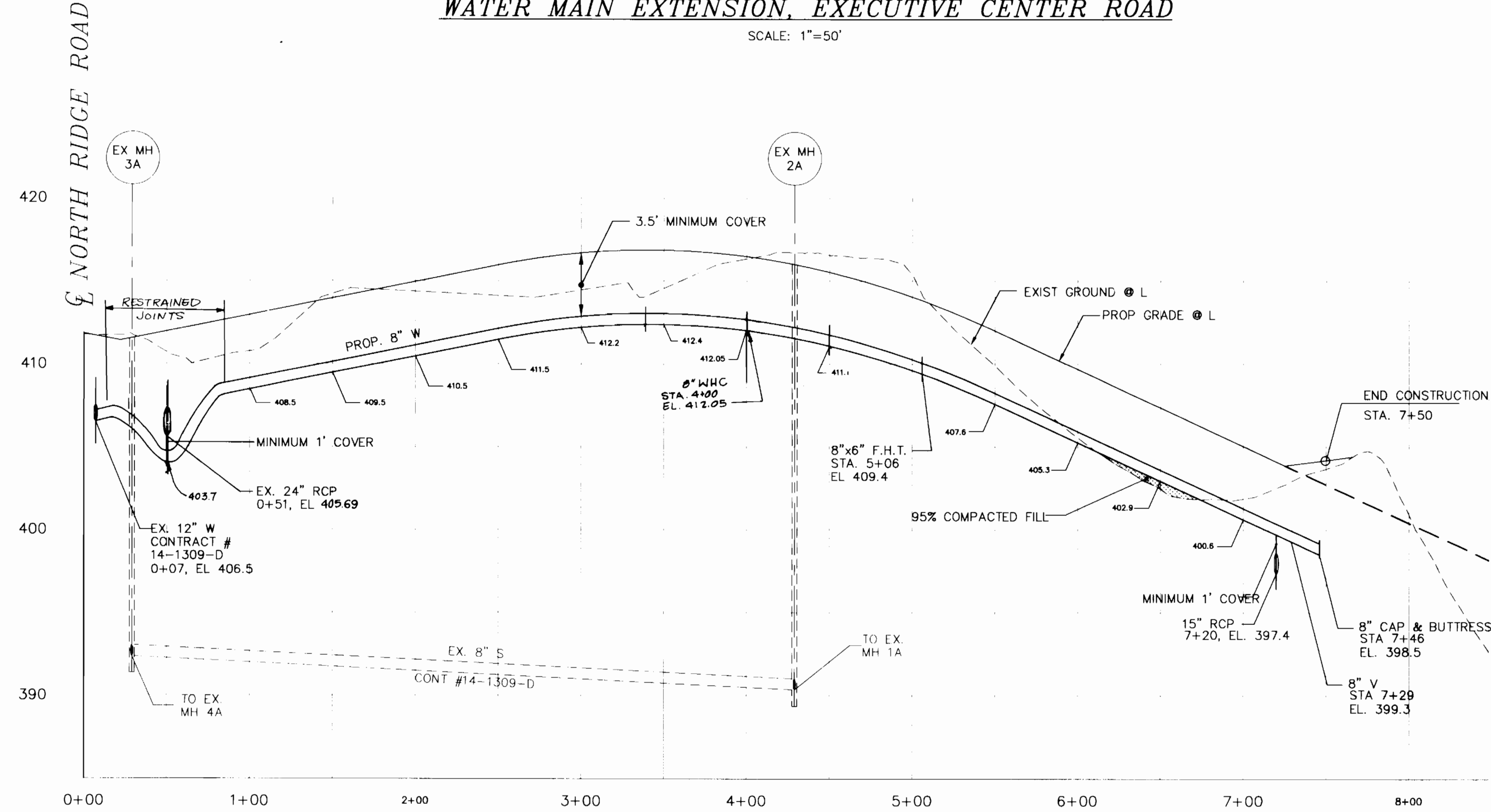
HOWARD COUNTY EXECUTIVE CENTER
T.M. 24, LOT A-7, PLAT #12488 & PARCEL 47
CONTRACT # 44-3584-D
SECOND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

scale AS SHOWN
1 of 2

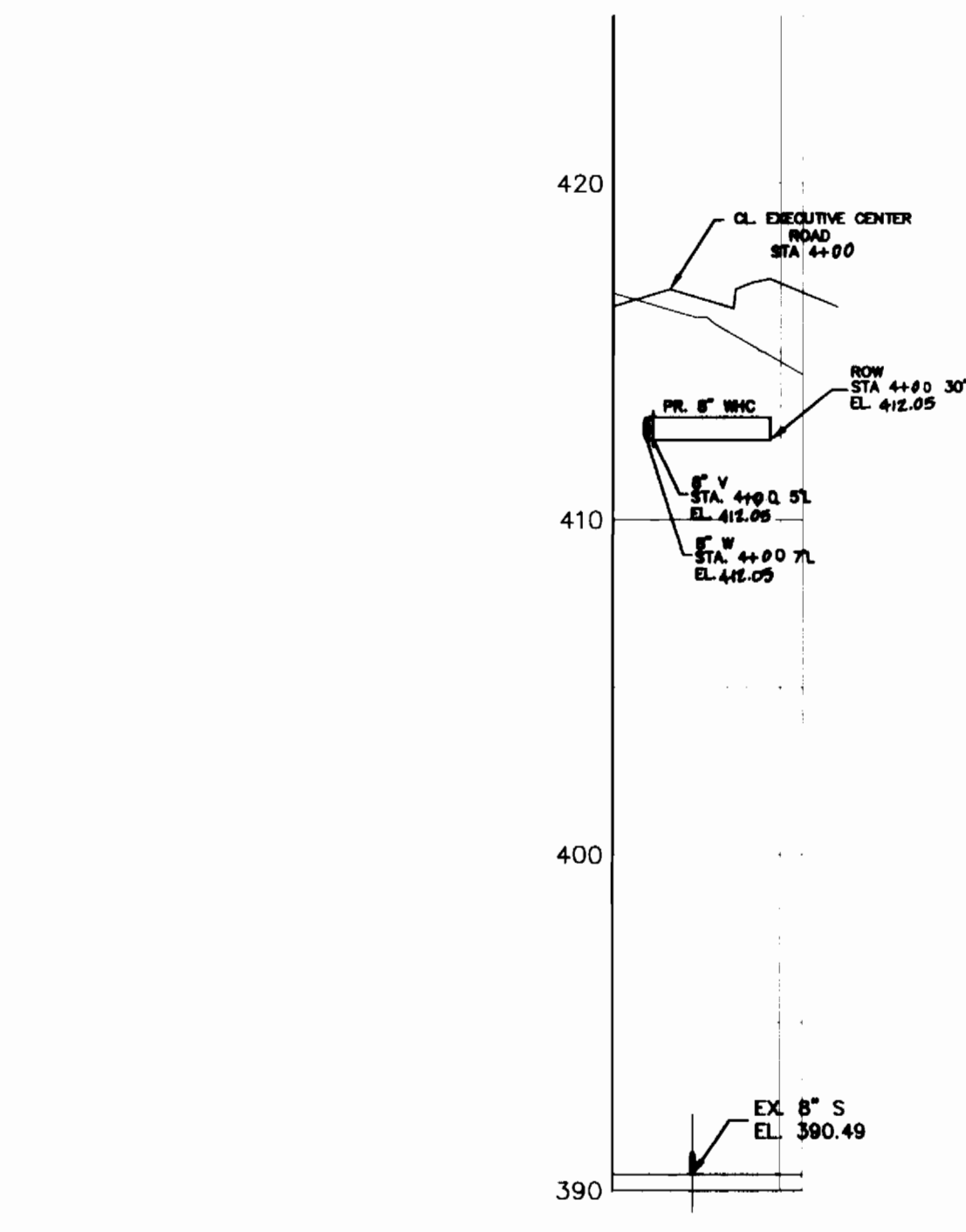
96011.DWG, W&S, 1/97, PROT. DWG



PLAN VIEW
WATER MAIN EXTENSION, EXECUTIVE CENTER ROAD
 SCALE: 1"=50'



PROFILE
8" WATER EXTENSION PROFILE
 ALL STATIONING CENTER LINE STATIONING
 SCALE: HOR: 1"=50'
 VER: 1"=5'



PROFILE
8" WATER HOUSE CONNECTION PROFILE #2
 SCALE: HOR: 1"=50'
 VER: 1"=5'

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

Louis Wangane 2/12/97
 DEVELOPER'S SIGNATURE DATE
 LOUIS WANGANE
 DEVELOPER'S NAME

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT 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 THE HOWARD SOIL CONSERVATION DISTRICT.

John M. Murray FEB 12, 1997
 ENGINEER'S SIGNATURE DATE
 John M. Murray
 ENGINEER'S NAME

REVIEWED FOR HOWARD SCD AND MEET TECHNICAL REQUIREMENTS.

Cheryl Simmons 2/2/97
 USDA-NATURAL RESOURCES CONSERVATION SERVICE DATE

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

John B. Holsten 2/2/97
 HOWARD SCD DATE

CONTRACT NO.: 44-3584-D
 EXECUTIVE CENTER, PARCEL E
 WATER AND SEWER MAIN EXTENSIONS
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

John B. Holsten 2-19-97
 CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND

John M. Murray 2/2/97
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
 (410) 397-0296 Balt. (301) 821-5521 Wash. (410) 397-0296 Fax



engineering	SD				
illustration	SD				
approval	K.E.T.	3	ASBUILT CONDITIONS ADDED TO PLAN	9/96	
project	98011	AMY	1	LOWER 8" W DUE TO EXISTING 24" RCP	
date	JAN 97	BY	NO.	DELETE WHC #1; RELOCATE WHC #2	1-6-96
				REVISION	DATE

WATER "ASBUILT" PLAN & PROFILE

600' SCALE MAP NO. 24 BLOCK NO. 6

HOWARD COUNTY **EXECUTIVE CENTER**
 T.M. 24, LOT A-7, PLAT 12488 & PARCEL 47
 CONTRACT # 44-3584-D
 SECOND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

scale: HOR: 1"=50'
 VER: 1"=5'
 2 OF 2