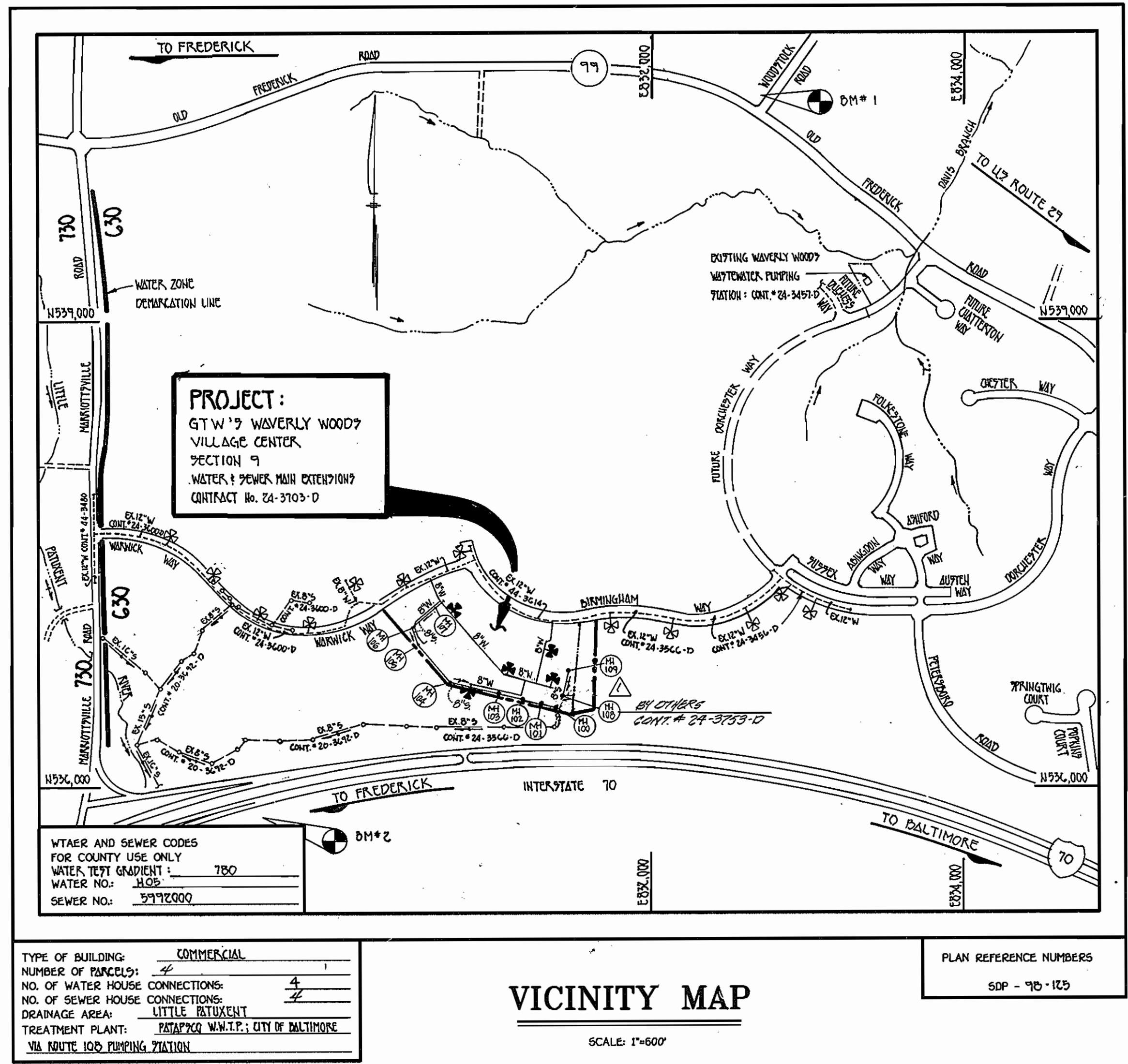


ITEM	ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	SUPPLIER
8" SEWER	6388 L.F.	1,887	PVC SDR 35	BELAIR SUPPLY
4" SEWER	23 L.F.	20	"	"
4" SEWER	80 L.F.	80	"	"
MANHOLES	2 EACH	2	PRECAST CONG.	ATLANTIC COAD.
8" FLUG	2 EACH			
4" FLUG	1 EACH			
4" FLUG	5 EACH			
8" WATER	2287 L.F.	2,219	D.I.P.	U.S. PIPE
8" WATER	117 L.F.	109	D.I.P.	U.S. PIPE
4" WATER	10 L.F.	0		
FIRE HYDRANTS	5 EACH	5	MUELLER	BEAIR SUPPLY
8" x 8" TEE	4 EACH	4	M.J.	"
8" x 4" TEE	7 EACH	8	M.J.	"
8" x 4" TEE	1 EACH	0	"	"
8" VALVE	6 EACH	5	CATE	"
4" VALVE	2 EACH	3	CATE	"
4" VALVE	1 EACH	0	"	"
8" x 1/2" H.B.	5 EACH	5	M.J.	"
8" x 1/2" H.B.	3 EACH	2	M.J.	"
8" x 1/2" H.B.	1 EACH	0	"	"
8" FLUG & OUTLET	3 EACH	3	M.J.	"
4" FLUG & OUTLET	2 EACH	3	M.J.	"
4" FLUG & OUTLET	1 EACH	0	"	"
4" VALVE	1 EACH	1	"	"

NAME OF UTILITY CONTRACTOR: CONSOLIDATED CONSTRUCTION SERVICES (C.C.S.)
SURVEY & DRAFTING DIVISION AS-BUILT DATE:



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. DATUM.
- ALL PIPE ELEVATIONS ARE INVERT ELEVATIONS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 6". CLEAR ALL POLES BY 2'-0" MINIMUM.
- 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 (1991 AMENDMENTS) THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB SITE.
- WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL \square 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 VERIFIED BY THE CONTRACTOR TO HIS OWN SATISFACTION. ANY DAMAGE TO EXISTING FACILITIES DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 - STATE HIGHWAY ADMINISTRATION - 531-5533
 - BALTIMORE GAS & ELECTRIC CO. - CONTRACTOR SERVICES - 850-4620
 - BALTIMORE GAS & ELECTRIC CO. - UNDER GROUND DAMAGE CONTROL - 787-9068
 - MISS UTILITY - 1-800-257-7777
 - COLONIAL PIPELINE CO. - 795-1390
 - BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS - 313-4900
- TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- 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 CONSTRUCTION OF THE MAIN.
- ALL SEWER MAINS SHALL BE D.I.P. OR P.V.C. UNLESS OTHERWISE NOTED.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- T.B. DENOTES TEST BORING.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL G.5.2.
- WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT THE CELLAR CANNOT BE SERVED.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING, UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.
- MANHOLES LOCATED WITHIN THE PROPOSED ROADWAY SHALL HAVE STANDARD HEAVY TRAFFIC MANHOLE FRAMES AND COVERS, STANDARD DETAIL G5.5L.
- WATER MAINS AND WATER HOUSE CONNECTION LINES MUST BE PLACED AS TO HAVE ONE (1) FOOT SEPARATION FROM THE SEWER MAIN OR SEWER HOUSE CONNECTION AS THEY PASS ABOUT IT.
- ALL WATER MAINS SHALL 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 ELEVATION SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE RESTRAINED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS (W111 AND W2.13). 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 D.I.P. FITTINGS SHALL BE IN ACCORDANCE WITH AWWA SPECIFICATIONS C-153 DUCTILE IRON COMPACT FITTINGS, 3-INCH THROUGH 12-INCH FOR WATER AND OTHER LIQUIDS.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, # 440 313-2450 AT LEAST FIVE WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OPERATION IN COUNTY ROADS FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 10.14(D) OF THE HOWARD COUNTY CODE.

BENCH MARKS

BM#1	HOWARD COUNTY CONTROL STATION #101Z (11/07/85) (NEAR THE INTERSECTION OF MARYLAND ROUTE 797 & WOODBROOK ROAD) N 601,060.177 E 1,345,356.795	ELEVATION: 445.571
BM#2	HOWARD COUNTY CONTROL STATION #16.E1 (11/07/85) (NEAR THE INTERSECTION OF U.S. ROUTE 40 & MANASSASVILLE ROAD) N 937,250.732 E 1,340,172.111	ELEVATION: 507.924

CONTRACT No. 24 - 3703 - D
GTW'S WAVERLY WOODS VILLAGE CENTER
SECTION 9
WATER AND SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

SDP-98-125
REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Cheryl Simmons 1/13/99
U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE DATE

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

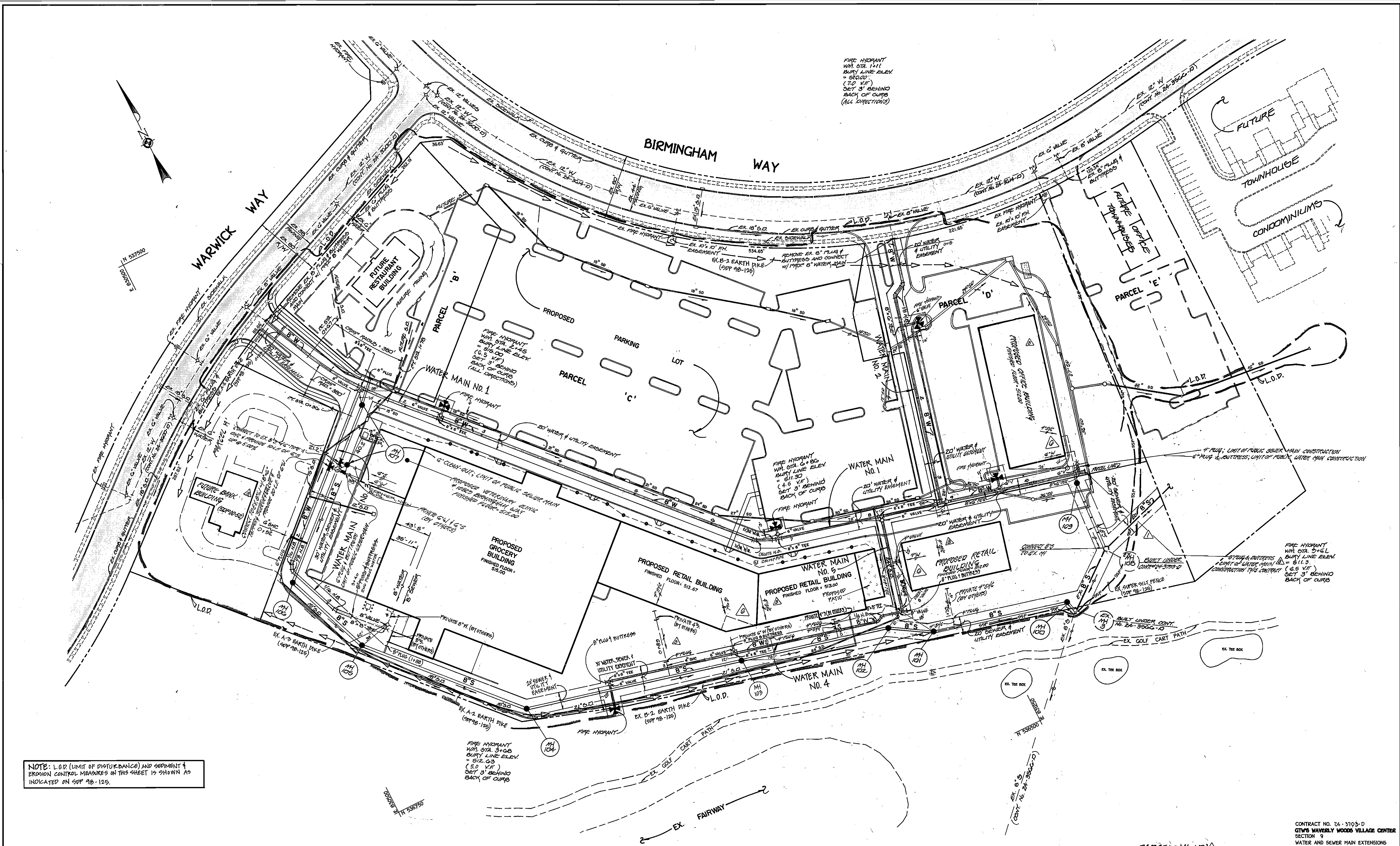
APPROVED: *John P. ...* 1/13/99
HOWARD SOIL CONSERVATION DISTRICT DATE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL & STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AS SHOWN ON THESE PLANS AND ON SDP - 98-125

Mid Atlantic Realty Trust 10-27-98
SIGNATURE OF DEVELOPER DATE

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>Richard ...</i> CHIEF, BUREAU OF UTILITIES	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND <i>William ...</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS CENTRAL SQUARE OFFICE PARK - 18272 BALTIMORE NATIONAL PIKE ELICOTT CITY, MARYLAND 21042 (410) 461-2255 <i>TERRILL A. FISHER</i>	DESIGNED BY: M.J.M. DRAWN BY: S.V.C. CHECKED BY: M.J.M. DATE: NOVEMBER 18, 1998	AS BUILT Deleted quantities for 11/2" x 2" NHC's from chart AS BUILT CONDITIONS ADDED TO PLAN REVISE QUANTITIES TO REFLECT REVISED ALIGNMENTS REVISE TO DELETE PARCELS FROM CONTRACT REVISE VICINITY MAP TO DELETE SEWER MAIN TO PARCEL 1E	11/30/98 11/12/01 11/24/00 01/31/00 01/31/00	TITLE SHEET 600' SCALE MAP NO. 16 BLOCK NO. 3 AND 12 F.C.C. WORK ORDER NO. 40230 FILE NAME: G:\Drawings\40230\WAS\T11sheet.dwg	GTW'S WAVERLY WOODS VILLAGE CENTER SECTION 9 CONTRACT NO. 24 - 3703 - D THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE AS SHOWN SHEET 1 OF 4
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CONTRACT NO. 24-3703-D
GTW'S WAVERLY WOODS VILLAGE CENTER
SECTION 9
WATER AND SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

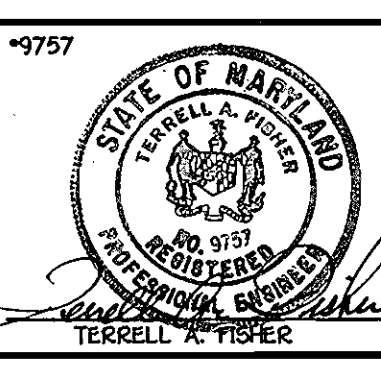


NOTE: L.O.D. (LIMIT OF DISTURBANCE) AND SEGMENT 1 EROSION CONTROL MEASURES ON THIS SHEET IS SHOWN AS INDICATED ON SPP 9B-125.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Robert M. Berger
1-7-1999
DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
Development Engineering Division
1/14/99
DATE

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
INTERNATIONAL SQUARE OFFICE PARK - 10732 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
410-481-2955



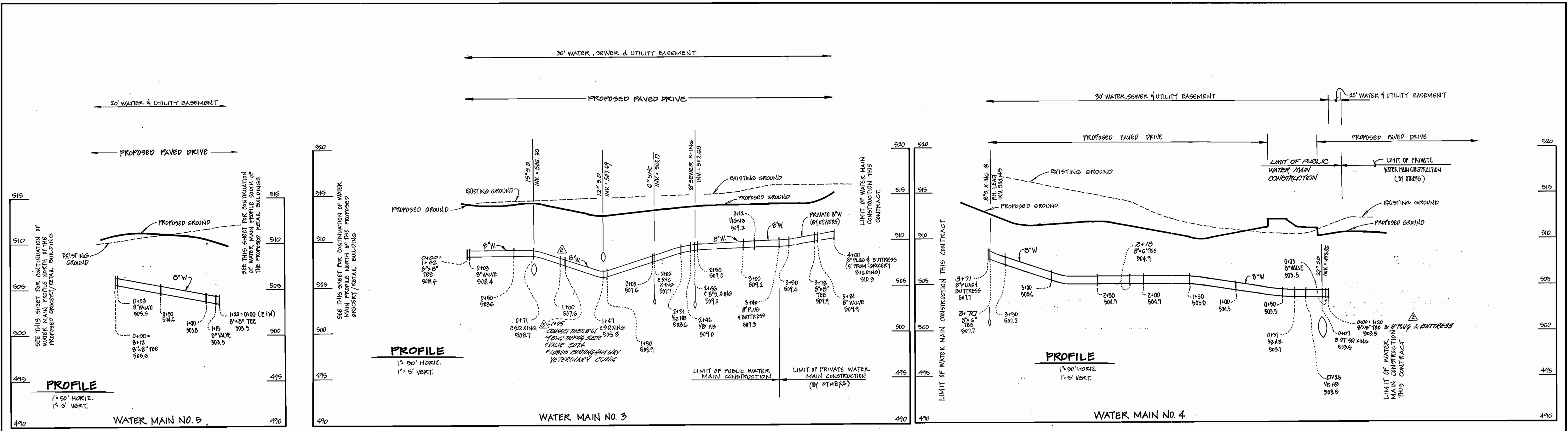
DESIGNED BY:	DATE:	BY:	NO.	REVISION	DATE
SVC	11-18-97			Deleted 1/2" & 3/4" WMC's, 8" & 10" valves & curb box assemblies (C.A.B.) along w/ 2" ball valve & C.B.A.	
RAM	09-18-01			ADD PRIVATE C/W'S, D.W.C., FROM VETERINARY CONC	
K.R.I.	11/04/00			ASBUILT CONDITIONS ADDED TO PLAN	
R.A.M.	05/05/00			REVISE BUILD FOOTPRINTS, WATER SEWER ALIGN CONNECTIONS	
RAM	01-31-99			REVISE TO DELETE PARCEL 'E' FROM CONTRACT	
RAM	01-31-99			REVISE SEWER MAINS SHOW ADJUSTING EX. MH'S MH100 & PARCEL 'E'	

PLAN VIEW
WATER AND SEWER MAIN
600' SCALE MAP NO. 18 BLOCK NO. 6 AND 12
F.C.C. WORK ORDER NO. 40290
FILE NAME: G:\Drawings\40290\w&s\Basesheet.dwg

GTW'S WAVERLY WOODS VILLAGE CENTER
SECTION 9
CONTRACT NO. 24-3703-D
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 2 OF 4

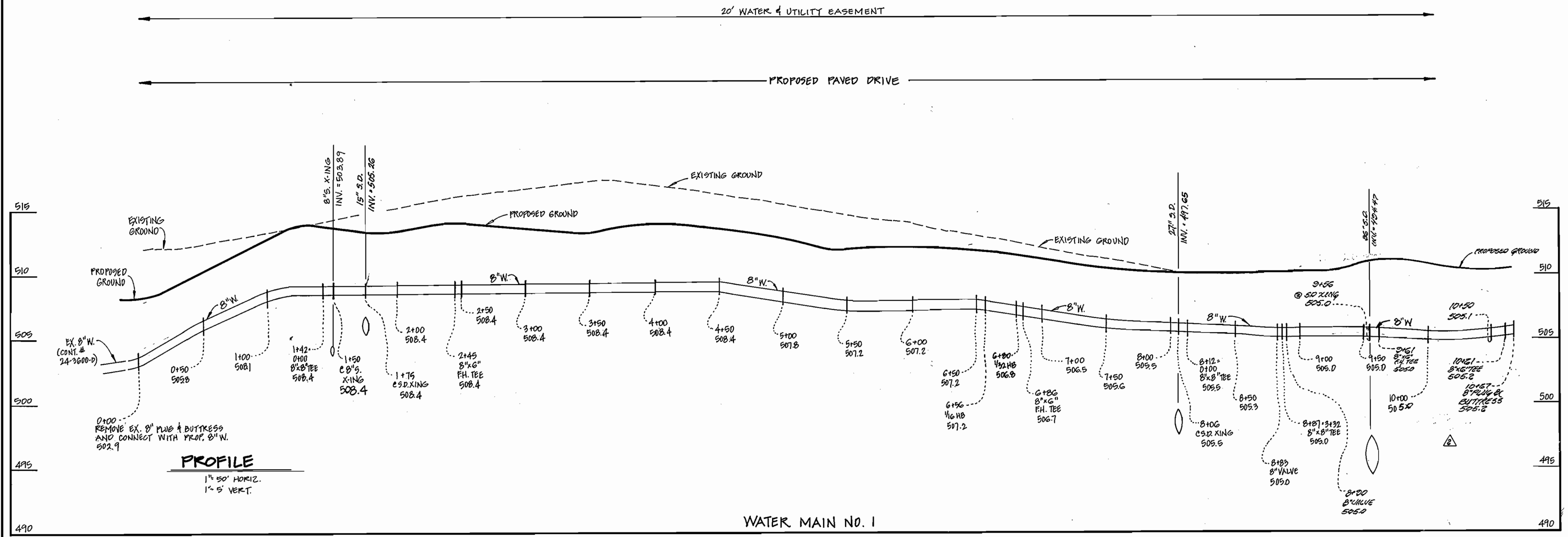
CONTRACT NO. 24-3703-D
GTW'S WAVERLY WOODS VILLAGE CENTER
SECTION 9
WATER AND SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND



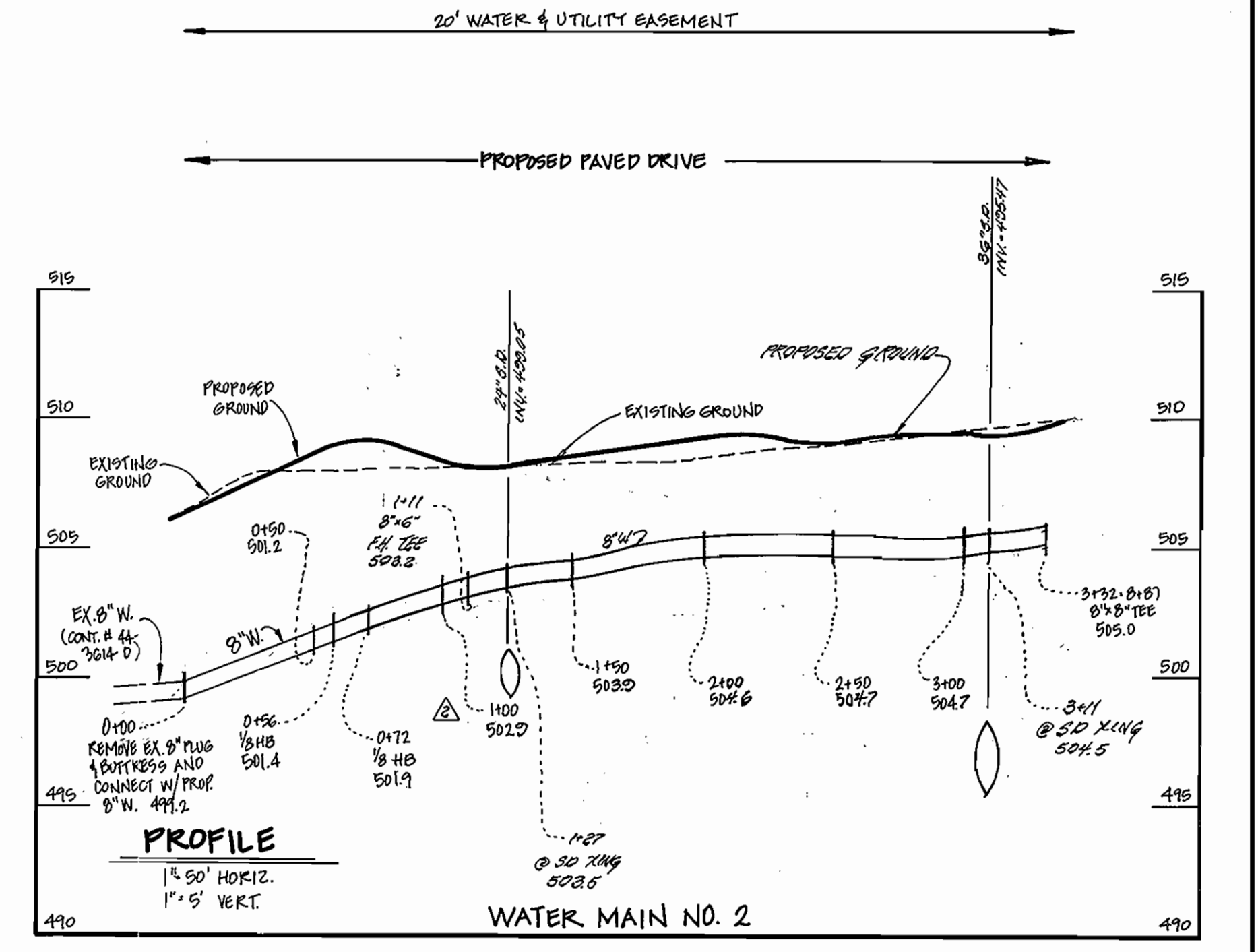
8" WATER MAIN: BETWEEN PROPOSED RETAIL BUILDINGS

8" WATER MAIN: WEST OF PROPOSED GROCERY BUILDING

8" WATER MAIN: SOUTH OF PROPOSED RETAIL BUILDINGS



8" WATER MAIN: NORTH OF PROPOSED GROCERY BUILDING & RETAIL BUILDINGS

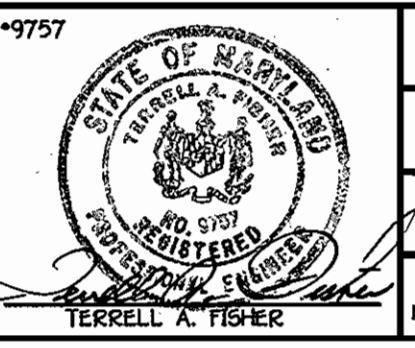


8" WATER MAIN: WEST OF PROPOSED PHARMACY BUILDING

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
1-7-1999

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
1/14/99

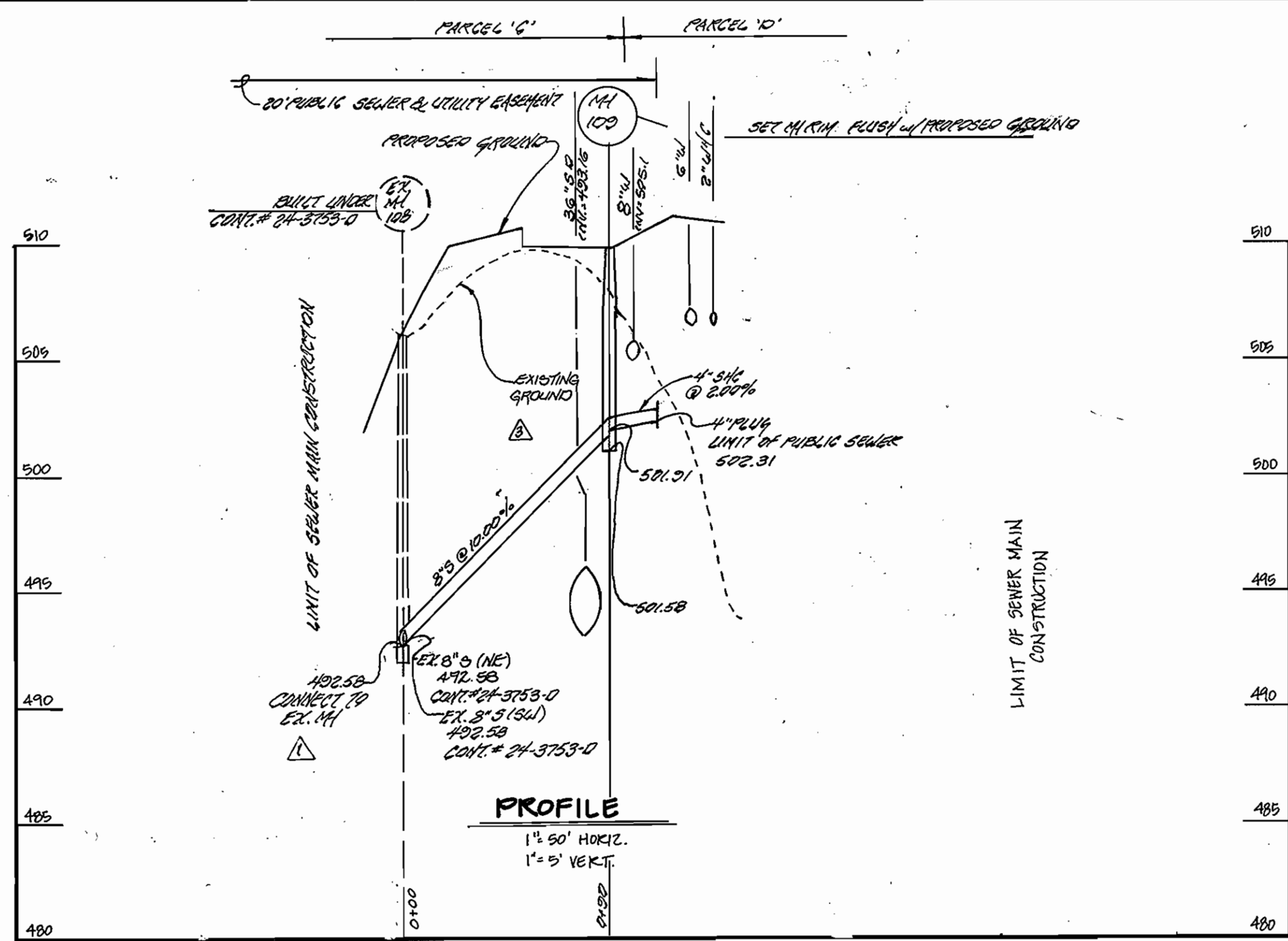
FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
11475 BALTIC NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042



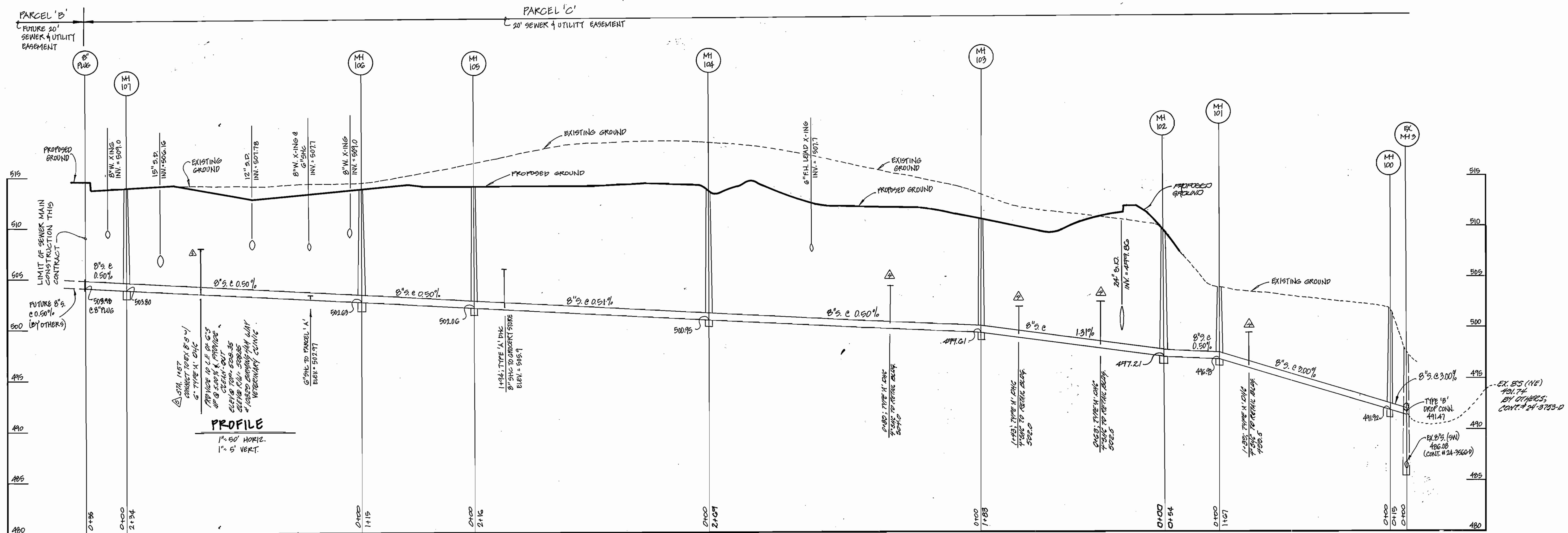
DESIGNED BY:	M.J.M.	DATE:	NOVEMBER 18, 1998
DRAWN BY:	J.A.U.	BY:	NO.
CHECKED BY:	M.J.M.	REVISION:	
DATE:		REVISION:	

WATER MAIN PROFILES	
600' SCALE MAP NO.	16
BLOCK NO.	5 AND 12
F.C.C. WORK ORDER NO.	40290
FILE NAME:	G:\Drawings\40290\W&S\PROFILES.BASIC

CONTRACT NO. 24-3703-D
GTW'S WAVERLY WOODS VILLAGE CENTER
SECTION 9
CONTRACT NO. 24-3703-D
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE AS SHOWN
SHEET 3 OF 4



8" SEWER MAIN PROFILE EAST OF RETAIL/PHARMACY BUILDING



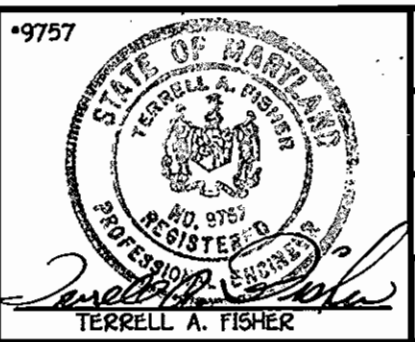
8" SEWER MAIN PROFILE AT BACK OF GROCERY BUILDING

CONTRACT NO. 24-3703-D
 GTW'S WAVERLY WOODS VILLAGE CENTER
 SECTION 9
 WATER AND SEWER MAIN EXTENSIONS
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Chief, Bureau of Utilities
 1-7-1999

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND
 Chief, Development Engineering Division
 1/4/99

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYERS
 1000 SQUARE OFFICE PARK - 10276 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 4100 461 - 3000



DESIGNED BY:	M.J.M.	AS BUILT	11-10-02
DRAWN BY:	J.A.R.	ADD ONLY TO PROFILE @ STA. 1+57.6'S TO VETERINARY CLINIC.	08-13-01
CHECKED BY:	M.J.M.	REVISE LOCATION OF SEWER CONNECTIONS TO BLDGS.	04-05-00
DATE:	NOVEMBER 16, 1998	REVISE PROFILE OF 8" DIA. SEWER MAIN	04-05-00
BY:	D.A.H.	REVISE TO DELETE PARCELS 'E' FROM CONTRACT	01-31-99
		REVISE TO DELETE SEWER MAINS TO PARCELS 'E', SHALL AS EXISTING	01-31-99

WATER AND SEWER MAIN PROFILES
 600' SCALE MAP NO. 18 BLOCK NO. 6 AND 12
 F.C.C. WORK ORDER NO. 40290
 FILE NAME: G:\Drawings\40290\W&S\PROFILEBASE.dwg

GTW'S WAVERLY WOODS VILLAGE CENTER
 SECTION 9
 CONTRACT NO. 24-3703-D
 THIRD ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE AS SHOWN
 SHEET 4 OF 4