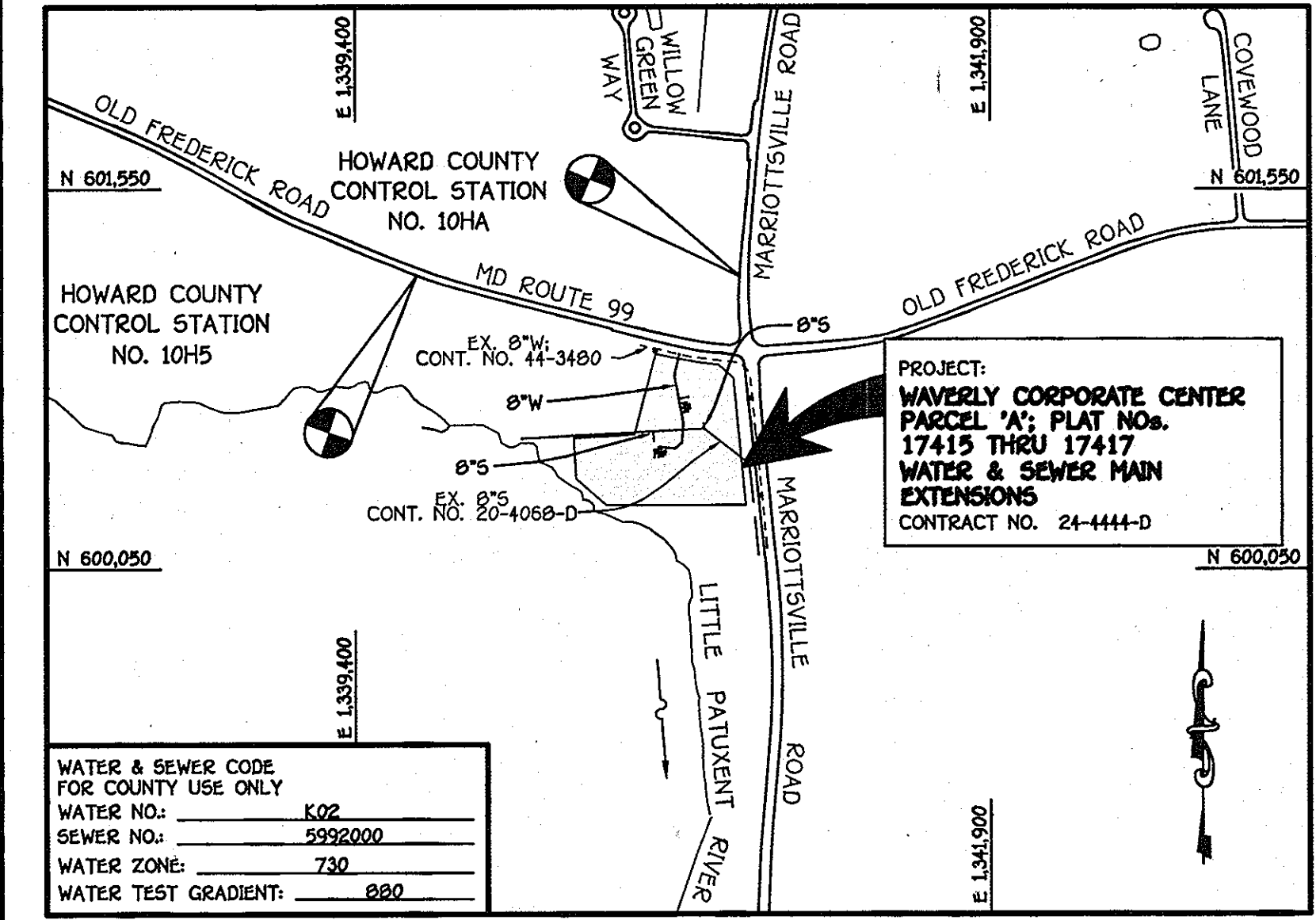
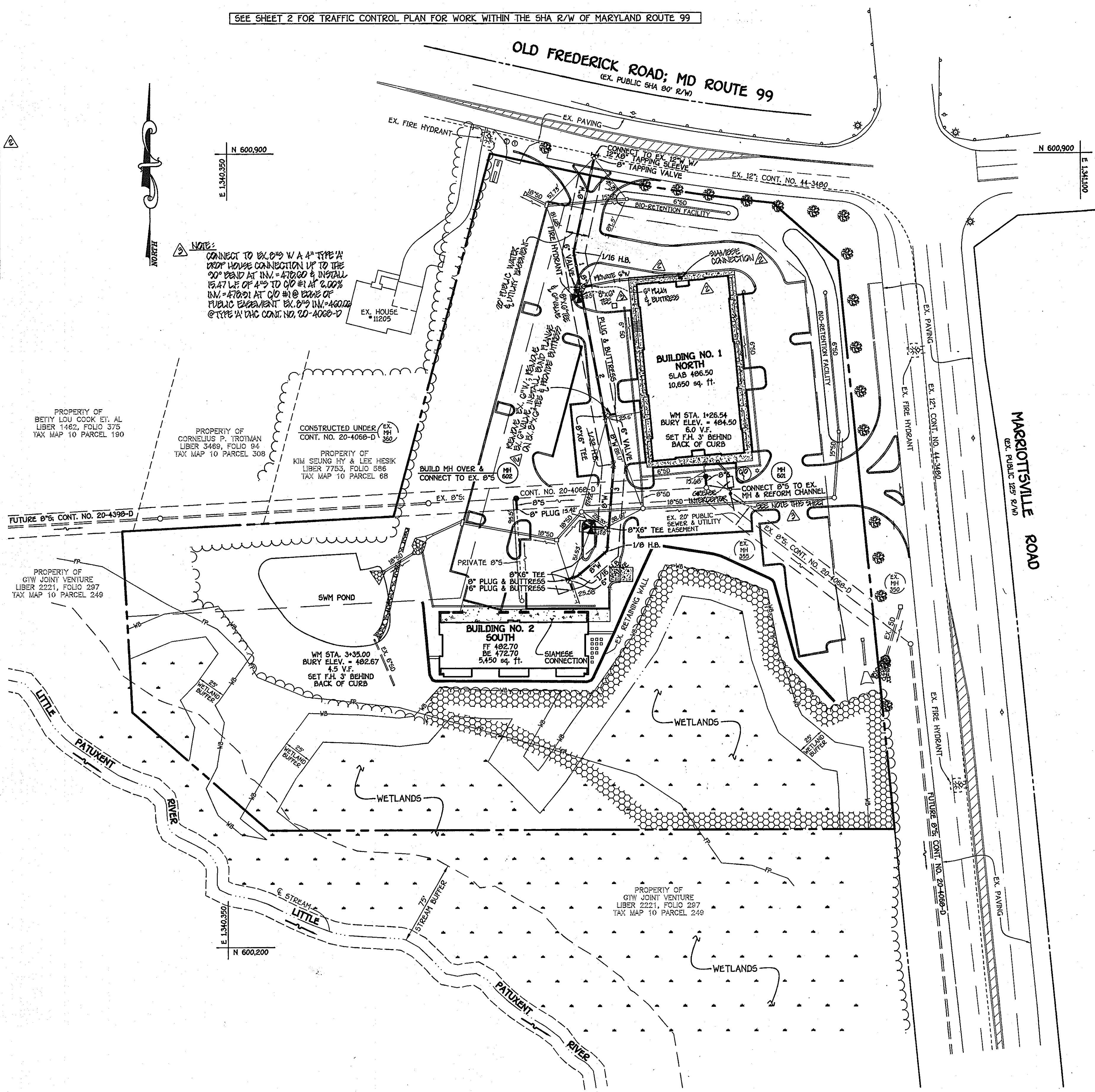


SEE SHEET 2 FOR TRAFFIC CONTROL PLAN FOR WORK WITHIN THE SHA R/W OF MARYLAND ROUTE 99

QUANTITIES				
ITEM	ESTIMATED	QUANTITIES	AS-BUILT	SUPPLIER
8" CL. 52 D.I.P.	20 LF.	20'	DIP	JM MFG.
MANHOLES	2 EACH	2	PRECAST CONC.	ATLANTIC CONC.
8" WATER	400 LF.	383'	DIP	LAFFIN
6" WATER	40 LF.	40'	"	"
8" TAPPING VALVE	1 EACH	1	DUCTILE	MOELLER
6" VALVE	4 EACH	4	"	"
12"x8" TAPPING SLEEVE	1 EACH	1	STAINLESS	ROMAC IND.
8"x6" TEE	9 EACH	9	DIP	SIGMA CORP.
1/8" H.B.	1 EACH	1	"	"
1/16" H.B.	2 EACH	2	"	"
1/32" H.B.	1 EACH	1	"	"
8" PLUG & BUTTRESS	1 EACH	1	DUCTILE & CONCRETE	SIGMA CORP.
6" PLUG & BUTTRESS	3 EACH	3	"	PLASTIC TRENDS
FIRE HYDRANT	2 EACH	2	DUCTILE	MOELLER
4" PVC	1 EACH	1	"	"

NAME OF UTILITY CONTRACTOR: C25
SURVEY & DRAFTING DIVISION AS-BUILT DATE:



WATER & SEWER CODE FOR COUNTY USE ONLY	
WATER NO.	K02
SEWER NO.	5992000
WATER ZONE	730
WATER TEST GRADIENT	0.80

TYPE OF BUILDING	COMMERCIAL - RETAIL/OFFICES
NUMBER OF PARCELS	1
NO. OF WATER HOUSE CONNECTIONS	2
NO. OF SEWER HOUSE CONNECTIONS	1
SEWER SHED	LITTLE PATUXENT
TREATMENT PLANT	LITTLE PATUXENT WATER RECLAMATION PLANT

VICINITY MAP
SCALE: 1" = 600'

PLAN REFERENCE NUMBERS:
SDP-04-126 (BASE GRADING)
SDP-07-082 (IMPROVEMENTS)

GENERAL NOTES

- PART I**
- APPROXIMATE LOCATIONS 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.
 - TOPOGRAPHIC FIELD SURVEYS WERE PERFORMED ON OR ABOUT FEBRUARY, 2004 BY FISHER, COLLINS & CARTER, INC.
 - HORIZONTAL AND VERTICAL CONTROLS:
THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD '83/91' AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 1014 & NO. 1015. SEE THIS SHEET FOR BENCHMARK INFORMATION.
ALL VERTICAL CONTROLS ARE BASED ON NAVD 83. VERTICAL CONTROLS ARE BASED ON TRVERSE POINT NO. 207; A REBAR & CAP SET ON THE WEST SIDE OF MARIOTTSVILLE ROAD; ELEV. 478.30.
 - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
 - CLEAR ALL UTILITIES BY A MINIMUM OF 12 INCHES. CLEAR ALL POLES BY 5' 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 THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR THE BRACING OF THE 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 SITE.
 - WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL (S) AT THE LOCATIONS OF THE TEST PITS. 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.
 - THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
AT&T 1-800-252-1133
BGE (CONSTRUCTION SERVICES) 410-850-4620
BGE (EMERGENCY) 410-695-1400
BUREAU OF UTILITIES 410-315-4900
COLONIAL PIPELINE CO. 410-759-1390
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.
 - 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 OPEN CUTTING OR BORING/JACKING OF ANY COUNTY ROAD FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 1814(K) OF THE HOWARD COUNTY CODE.
- PART II: WATER**
- ALL WATER MAINS SHALL BE D.I.P. CLASS 54 UNLESS OTHERWISE NOTED.
 - TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" OF 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 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 STANDARD DETAILS. THE SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND SECTION 1005 OF THE STANDARD SPECIFICATIONS.
 - THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.

BENCHMARK INFORMATION

B.M.#1 - HOWARD COUNTY CONTROL STATION *1014 NAD '83* (LOCATED ALONG THE WEST SIDE OF MARIOTTSVILLE ROAD, APPROX. 22' FROM CENTERLINE OF ROAD, IN FRONT OF A CONCRETE HEADWALL)
N 601,206.59
E 1,340,912.325
ELEVATION = 484.717

B.M.#2 - HOWARD COUNTY CONTROL STATION *1015 NAD '83* (LOCATED ALONG THE SOUTH SIDE OF OLD FREDERICK ROAD, APPROX. 80' EAST OF POWER POLE 1025L)
N 601,201.819
E 1,339,637.671
ELEVATION = 523.439

DEVELOPER'S CERTIFICATION
I/WE HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT THE 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 OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

Paul W. Keubel, FOR:
Waverly Woods Development Corp. 12-20-07
SIGNATURE OF DEVELOPER DATE

ENGINEER'S CERTIFICATION
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.

Paul W. Keubel 12/20/07
SIGNATURE OF ENGINEER DATE

GP-07-59

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

U.S.D.A. - NATURAL RESOURCES CONSERVATION SERVICE DATE

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

APPROVED: [Signature] 1/8/08
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 AND AS SHOWN ON SDP-07-082.

Paul W. Keubel, FOR:
Waverly Woods Development Corp. 12-20-07
SIGNATURE OF DEVELOPER DATE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 12-27-07
DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

[Signature] 1/8/08
DATE

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10722 BALTIMORE NATIONAL PIKE
ELLIOTT CITY, MARYLAND 21842
(410) 461-2895

9757
STATE OF MARYLAND
REGISTERED PROFESSIONAL ENGINEER
TERRELL A. FISHER

DESIGNED BY: B.C.R.
DRAWN BY: B.C.R.
CHECKED BY: P.W.K.
DATE: DECEMBER, 2007

REVISIONS:
1. REVISE ALONG 6" W TO BUILD NO. 1; INSTALL DIA. 4" & 6" FOR O.I.
2. REVISE BUILDING FOOTPRINT, REMOVE W&S PIPES & REBAR ON EX. 6" W
3. AS-BUILT DATA ADDED

WATER & SEWER MAIN EXTENSIONS
TITLE SHEET & PLAN

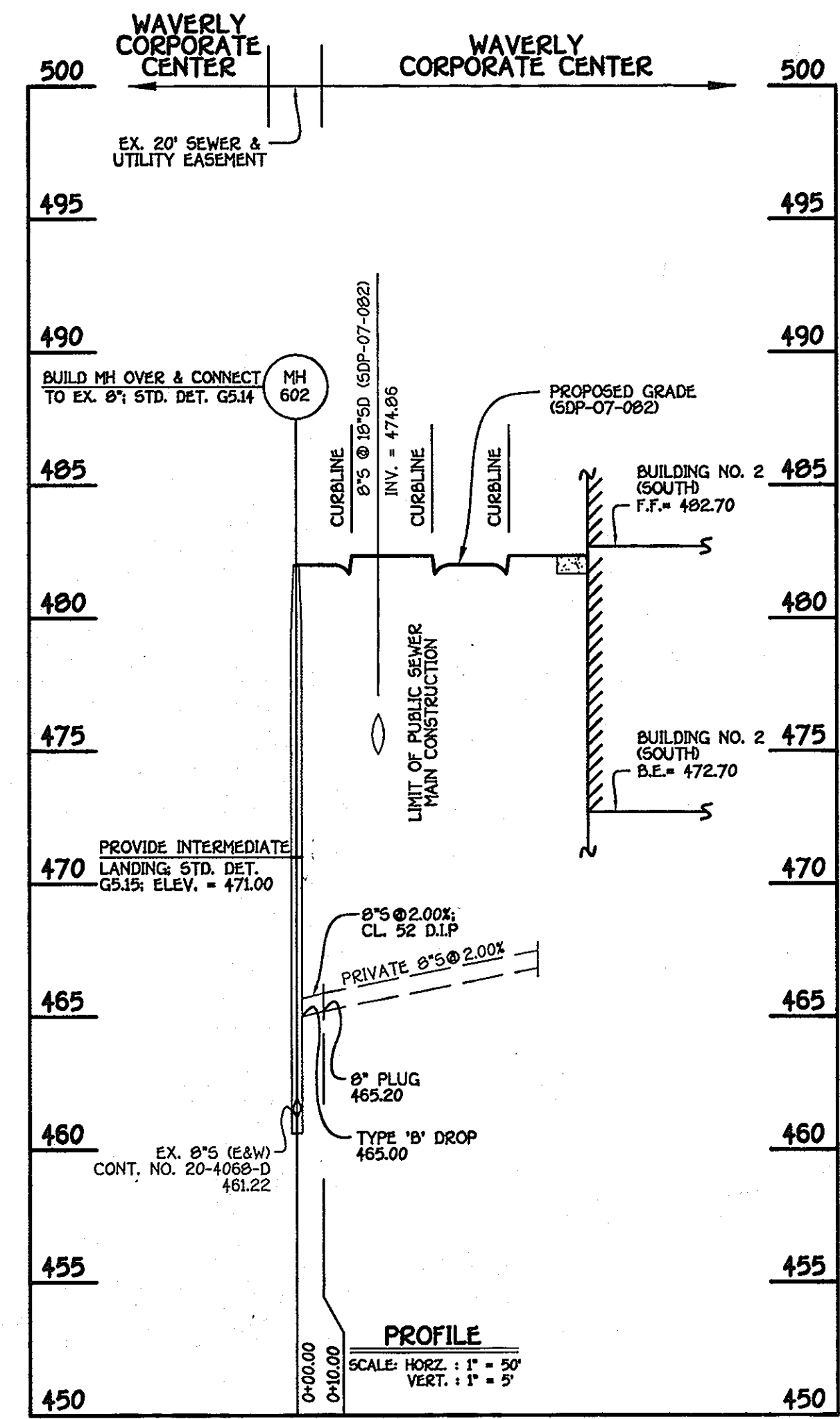
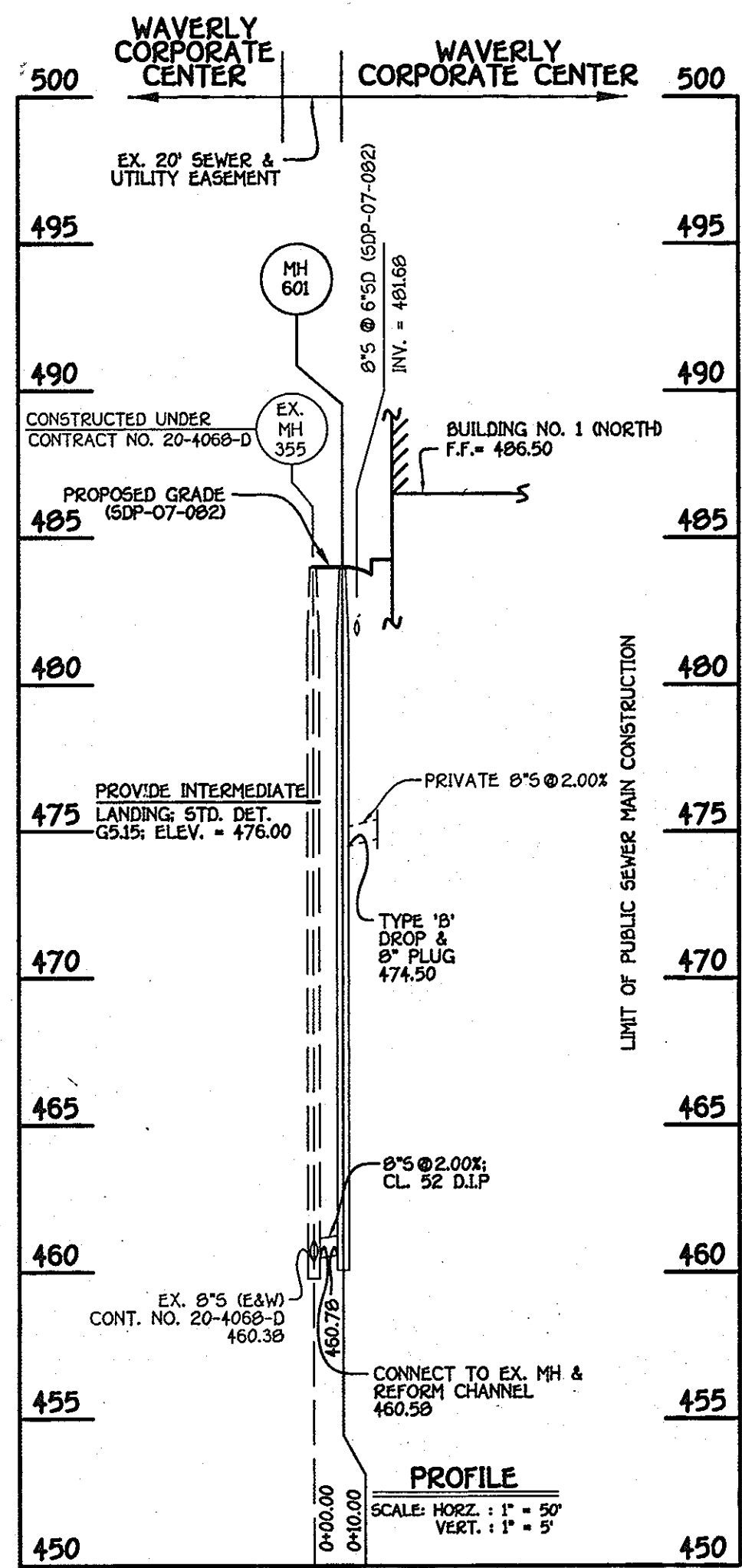
600' SCALE MAP NO. 10 & 16 BLOCK NO. 24 & 4
F.C.C. WORK ORDER NO. 0407-1001

DATE: 12/20/07
FILE NAME: WATER & SEWER MAIN TITLE/PLAN SHEET

DEVELOPER
WAVERLY WOODS DEVELOPMENT CORPORATION
C/O LAND DESIGN & DEVELOPMENT, INC.
5300 DORSEY HALL DRIVE
SUITE 102
ELLICOTT CITY, MARYLAND 21042

CONTRACT NO. 24-444-D
WAVERLY CORPORATE CENTER
PARCEL 'A'; PLAT NOS. 17415 THRU 17417
WATER & SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 1 OF 2



8" SEWER MAIN; BUILDING NO. 1 (NORTH)

8" SEWER MAIN; BUILDING NO. 2 (SOUTH)

MANHOLE TABULATION CHART			
NO.	NORTHING	EASTING	RIM ELEVATION
EX. MH 355	600604.90	1340770.95	---
MH 601	600614.79	1340770.42	484.00

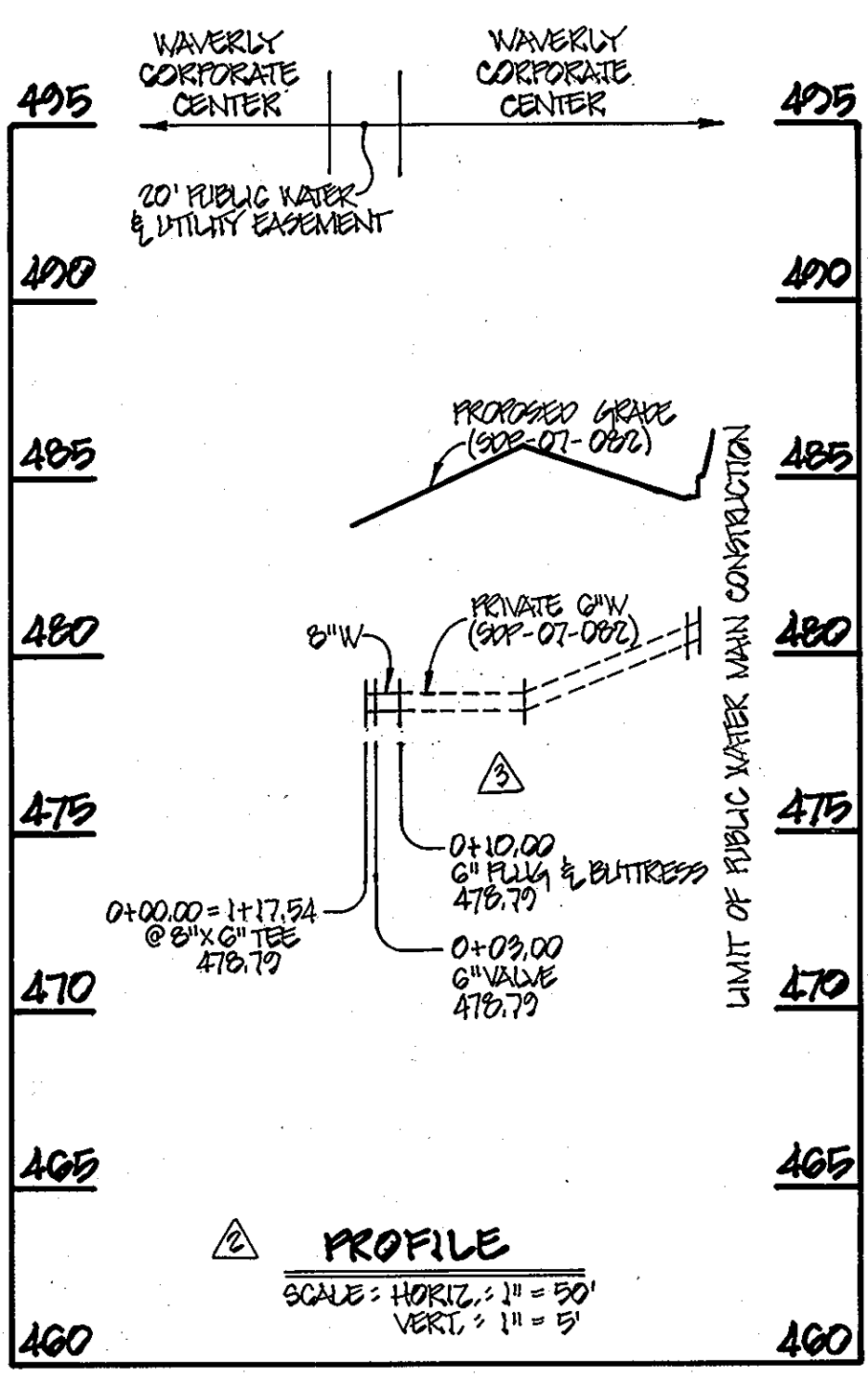
MANHOLE TABULATION CHART			
NO.	NORTHING	EASTING	RIM ELEVATION
602	600595.79	1340603.83	482.00
8" PLUG	600585.83	1340604.37	---

NOTE: SET MH RIM FLUSH W/ PROPOSED FINISHED GRADE.

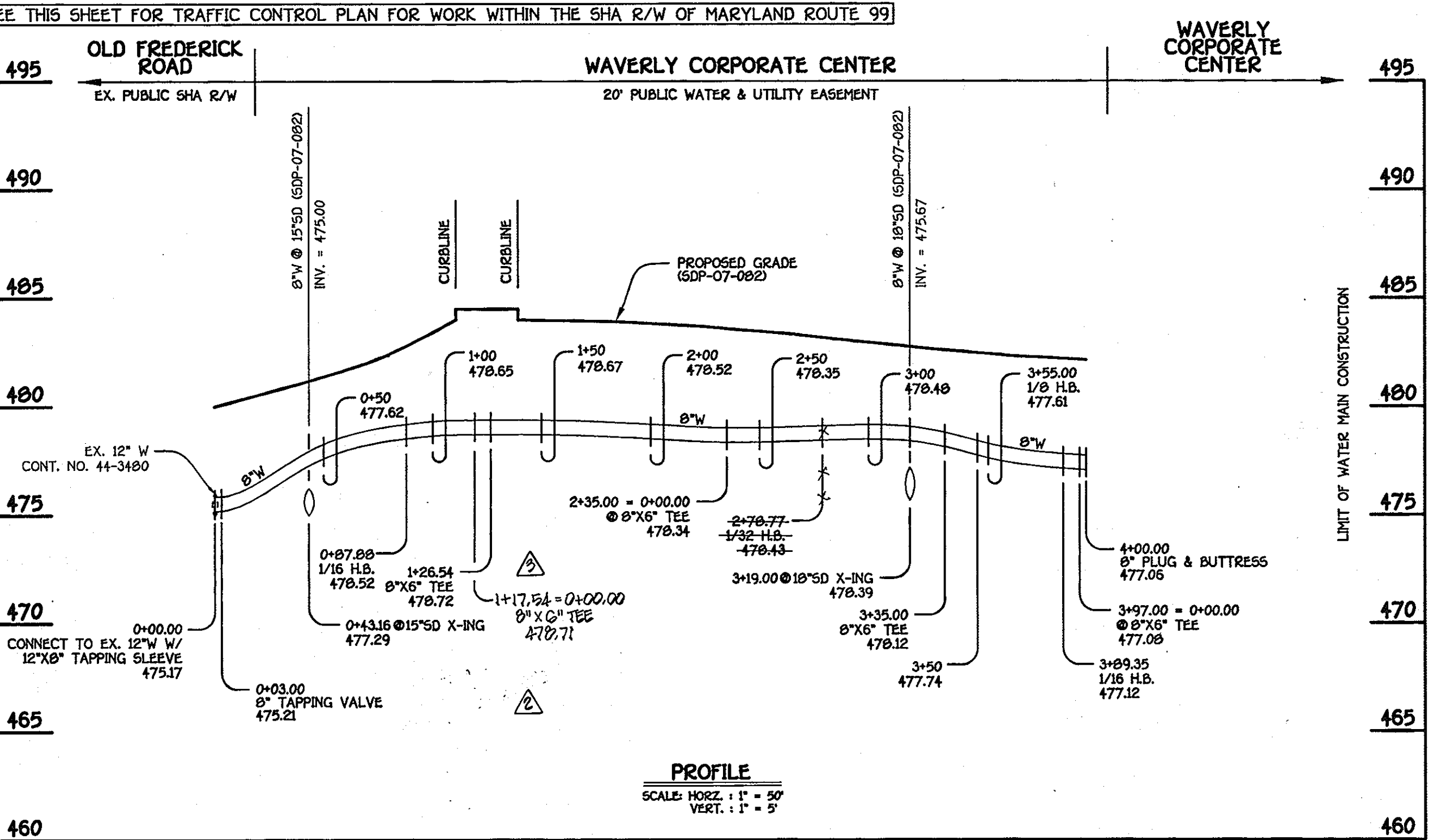
NOTE: SET MH RIM FLUSH W/ PROPOSED FINISHED GRADE.

WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
0+00.00	8" WATER MAIN; WAVERLY CORPORATE CENTER; BUILDING NO. 1 (NORTH)	600783.86	1340660.18
0+03.00	8" VALVE	600784.41	1340663.12
0+10.00	8" PLUG & BUTTRESS	600785.62	1340670.01

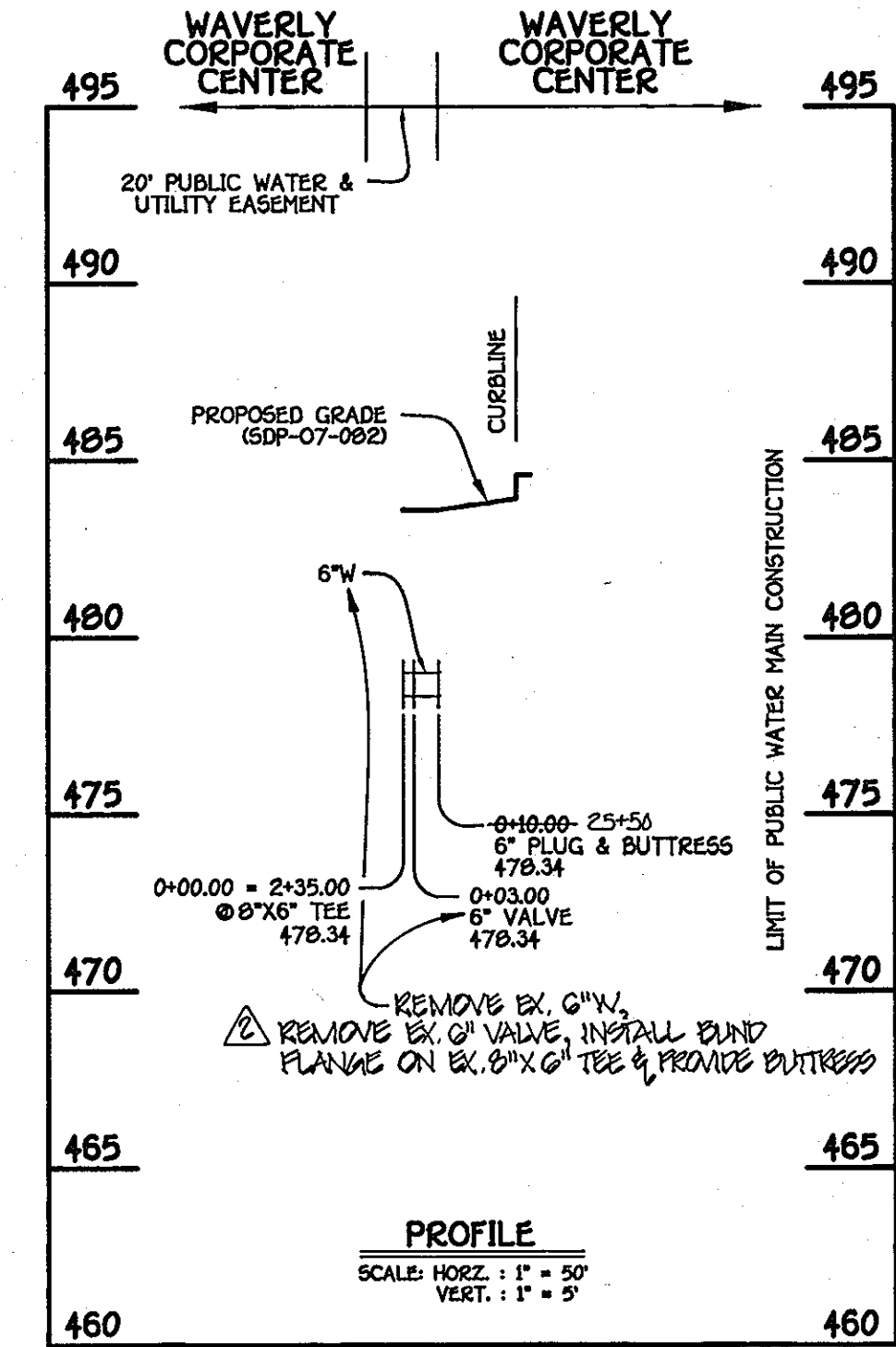
WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
0+00.00	8" WATER MAIN WAVERLY CORPORATE CENTER	600898.88	1340673.53
0+03.00	12"X8" TAPPING SLEEVE	600895.95	1340672.88
0+07.88	1/16 H.B.	600813.02	1340654.77
1+26.54	8"X6" TEE	600775.01	1340661.82
2+35.00	8"X6" TEE	600668.38	1340681.60
2+78.77	1/32 H.B.	600625.34	1340689.58
3+35.00	8"X6" TEE	600569.29	1340685.18
3+55.00	1/8 H.B.	600549.35	1340683.61
3+89.35	1/16 H.B.	600527.03	1340657.49
3+97.00	8"X6" TEE	600524.71	1340650.20
4+00.00	8" PLUG & BUTTRESS	600523.80	1340647.34
1+17.54	8"X6" TEE	600783.86	1340660.18



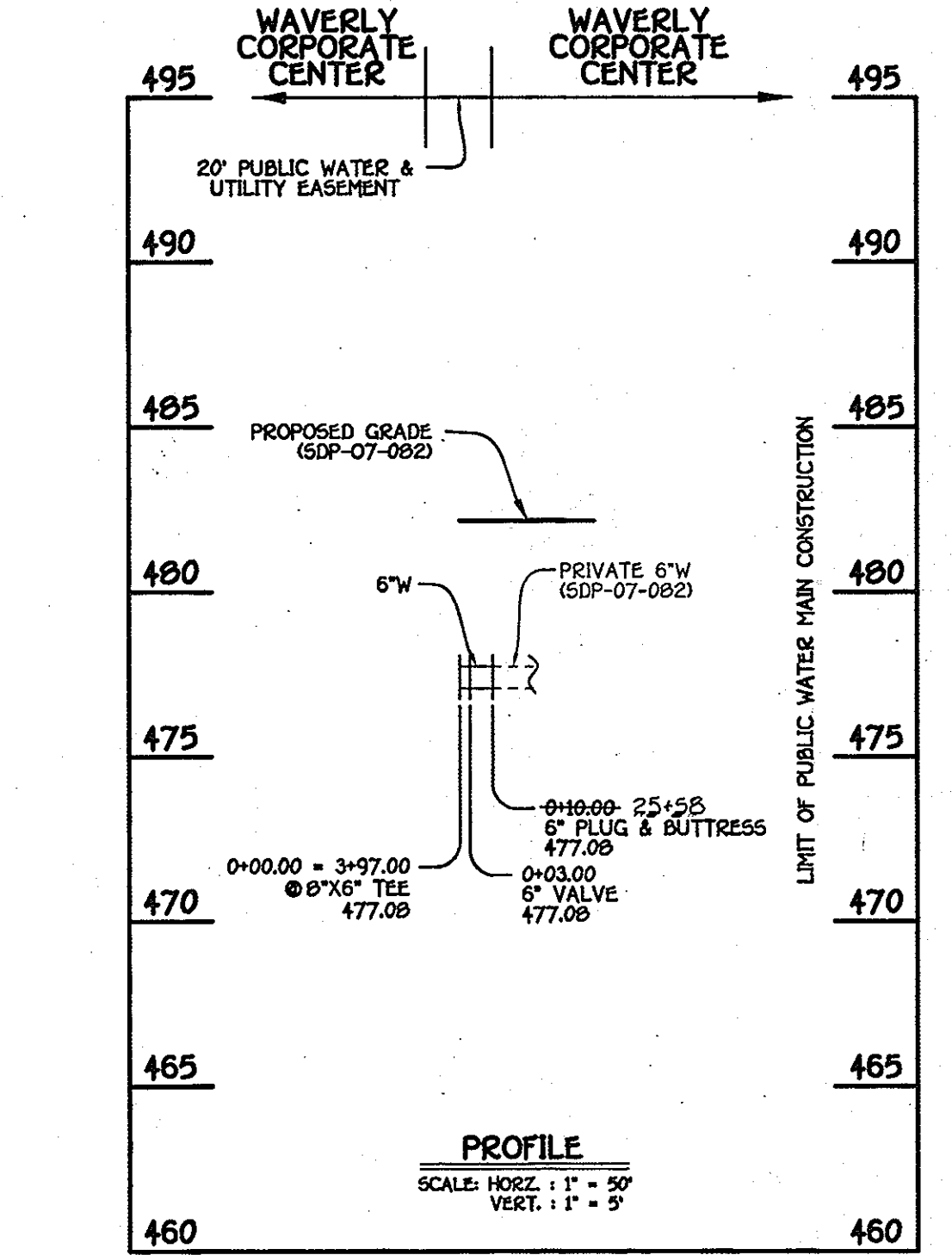
6" WATER MAIN; BUILDING NO. 1 (NORTH)



8" WATER MAIN; WAVERLY CORPORATE CENTER



6" WATER MAIN; BUILDING NO. 1 (NORTH)



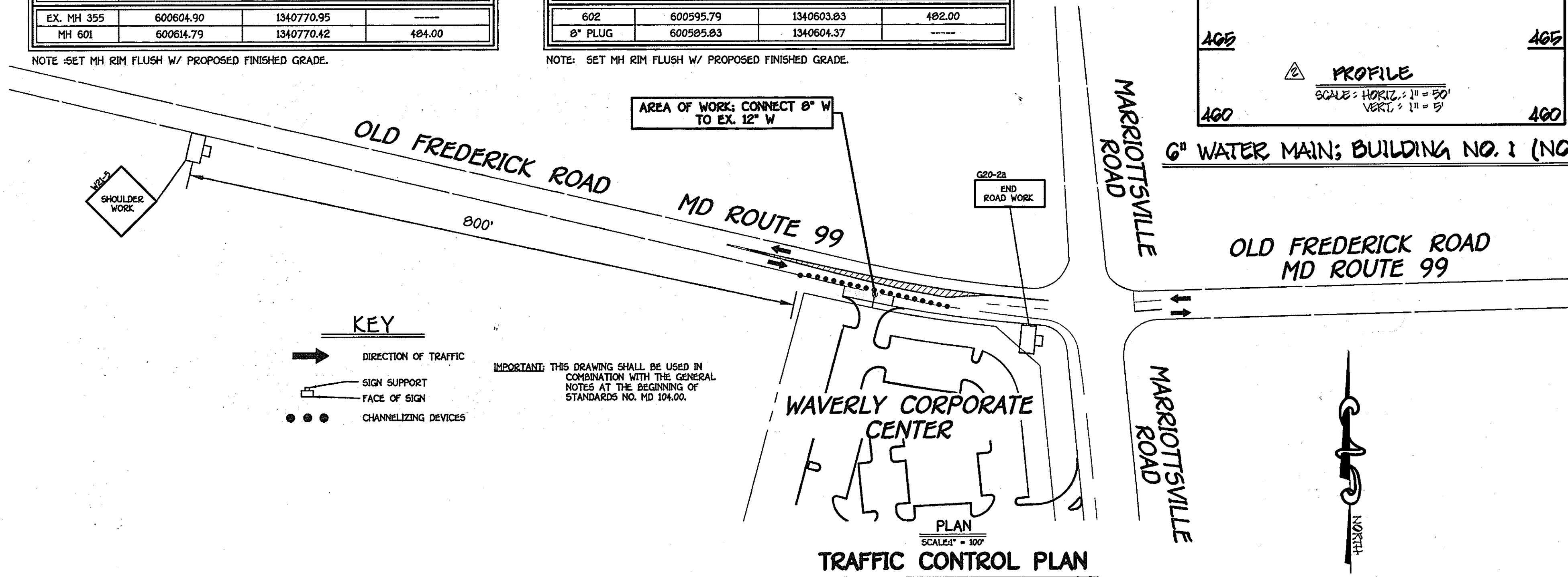
6" WATER MAIN; BUILDING NO. 2 (SOUTH)

WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
0+00.00	6" WATER MAIN WAVERLY CORPORATE CENTER; BUILDING NO. 1 (NORTH)	600668.38	1340681.60
0+03.00	8"X6" TEE	600668.38	1340681.60

SEE ABANDONMENT NOTE WITHIN PROFILE (ABOVE)

WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
0+00.00	6" WATER MAIN WAVERLY CORPORATE CENTER; BUILDING NO. 2 (SOUTH)	600524.71	1340650.20
0+03.00	6" VALVE	600521.85	1340651.11
0+10.00	6" PLUG & BUTTRESS	600515.18	1340653.24

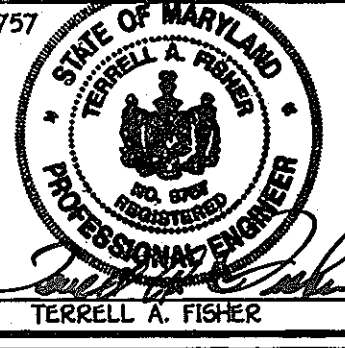
CONTRACT NO. 24-4444-D
WAVERLY CORPORATE CENTER
PARCEL 'A'; PLAT NOS. 17415 THRU 17417
WATER & SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

FISHER COLLINS & CARTER, INC.
ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21117
(410) 461-2955



DESIGNED BY: B.C.R.
DRAWN BY: B.C.R.
CHECKED BY: P.W.K.
DATE: DECEMBER, 2007

WATER & SEWER MAIN EXTENSIONS
PROFILES
600' SCALE MAP NO. 10 & 16, BLOCK NO. 24 & 4
F.C.C. WORK ORDER NO. 04017-4001

WAVERLY CORPORATE CENTER
PARCEL 'A'; PLAT NOS. 17415 THRU 17417
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 2 OF 2