

TYPE OF BUILDING	WAREHOUSE/OFFICE
NUMBER OF LOTS/PARCELS	1
NUMBER OF WATER CONNECTIONS	2
NUMBER OF SEWER CONNECTIONS	1
DRAINAGE AREA MAP	PATAPSCO
TREATMENT PLANT	PATAPSCO WASTEWATER TREATMENT PLANT

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 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. (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 6". CLEAR ALL POLES BY 2'-0" MINIMUM OR TUNNEL AS REQUIRED IF APPLICABLE. 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.
- 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 (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

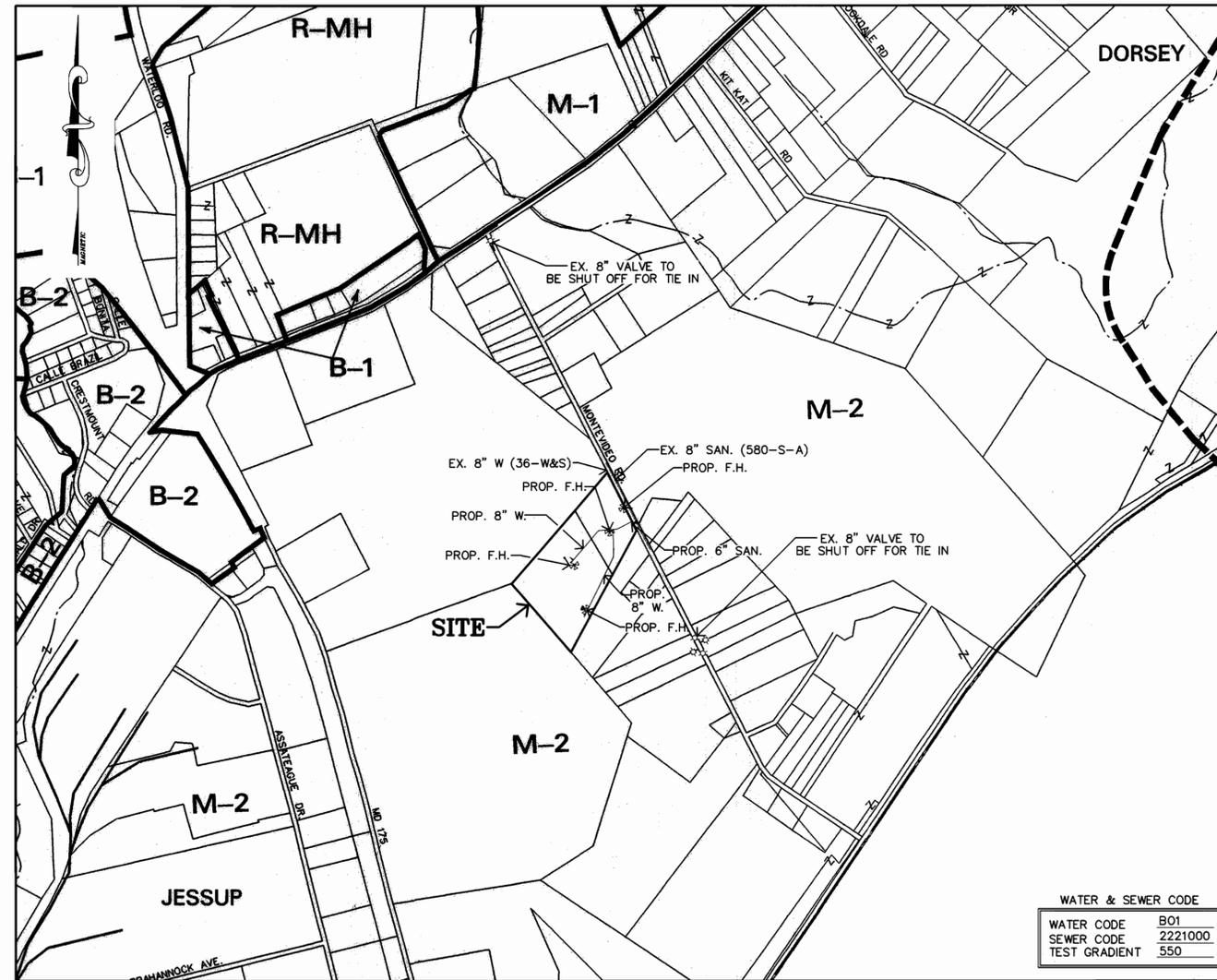
AT&T	(410) 865-3803
BGE (CONTRACTOR SERVICES)	(410) 850-4620
BGE (UNDERGROUND DAMAGE CONTROL)	(410) 787-9068
BUREAU OF UTILITIES (DPW)	(410) 313-4900
BELL ATLANTIC TELEPHONE CO.	(410) 597-8585
MISS UTILITY	(800) 257-7777
- TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-2450 AT LEAST FIVE (5) WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OPERATION ON COUNTY ROADS FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENT PER SECTION 18.114(A) OF THE HOWARD COUNTY CODE.
- BACKFILL TO TOP OF WATER AND SEWER PIPING SHALL BE COMPACTED TO 95% OF ASTM D 698 MAXIMUM DENSITY.

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 3-1/2" 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 RESTRAINED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH THE 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.

PART III - SEWER

- ALL SEWER MAINS SHALL BE DIP OR P.V.C. UNLESS OTHERWISE NOTED.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- FORCE MAINS SHALL BE D.I.P. ONLY.
- 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 G5.52. WHERE WATERTIGHT FRAME AND COVER IS USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON DRAWINGS.



SITE MAP
SCALE 1" = 800'

BILL OF MATERIAL

QUANTITY	DESCRIPTION	SIZE
W A T E R (P U B L I C P O R T I O N)		
1730' L.F.	D.I.P.	8"
88' L.F.	D.I.P.	6"
2	SLEEVE AND SPACER	8"
2	TEE	8" x 8"
4	FIRE HYDRANT	6"
2	1/16 BEND	8"
1	1/32 BEND	8"
5	VALVE	8"
5	VALVE	6"
5	TEE	8" x 6"
3	CAP	8"
5	1/8 BEND	8"
S E W E R (P U B L I C P O R T I O N)		
54' L.F.	SEWER PIPE	8"
2	PRECAST CONCRETE MANHOLE	48"
17' V.F.	VERTICAL DEPTH IN MANHOLES	-

Reviewed for **HOWARD** S.C.D.
 and Local Technical Requirements
 Date: 2/12/01
 USDA, NATURAL RESOURCES SERVICE

NOTE: SEDIMENT AND EROSION CONTROL FOR THE WORK SHOWN ON THESE PLAN IS PROVIDED FOR UNDER SITE PLAN #SDP-00-46

THE DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD CO. SOIL CONSERVATION DISTRICT.
 APPROVED: *John R. Roberts* 2/12/01
 HOWARD CO. SOIL CONSERVATION DISTRICT DATE

7330 Montevideo Road

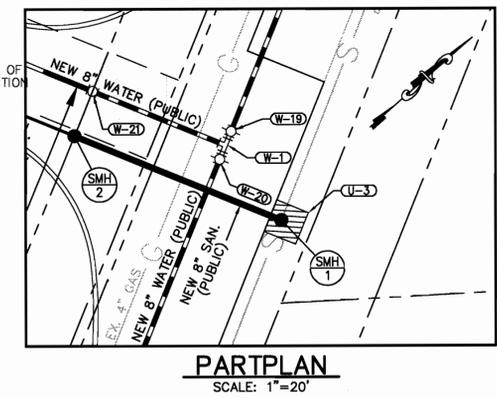
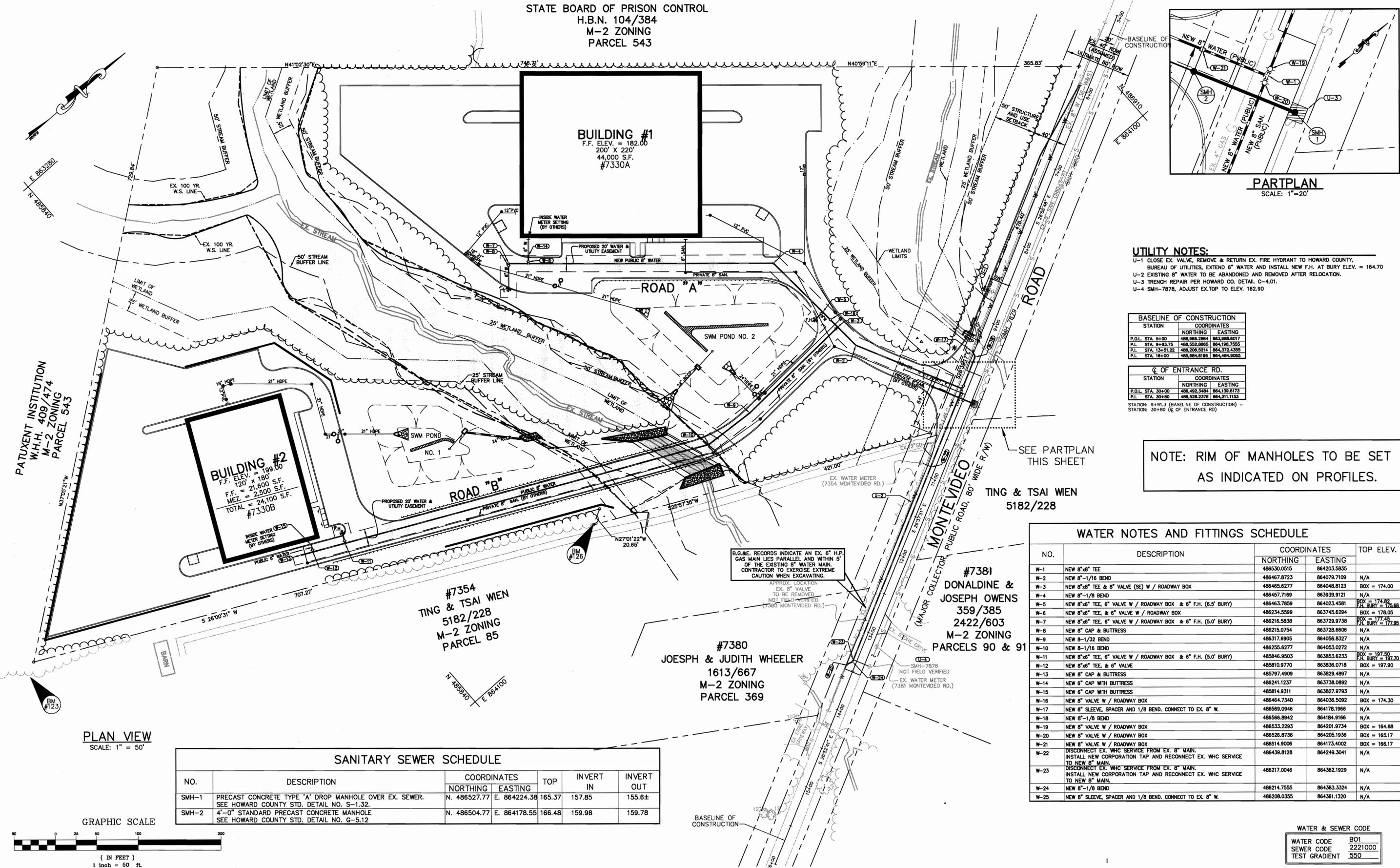
Parcel 554

Howard County, Maryland

DEPARTMENT OF PUBLIC WORKS

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>John R. Roberts</i> CHIEF, BUREAU OF UTILITIES 2-6-01 DATE	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND <i>John R. Roberts</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION 2/12/01 DATE	ENGINEERS: Consulting Engineers 849 Fairmount Avenue (410) 512-4500 Baltimore, Maryland 21286 (410) 324-4100 (FAX) WHITNEY, BAILEY, COX & MAGNANI, LLP	DES: P.J.C. DRN: C.P.G. CHK: P.D. DATE: 2/01/01 BY NO. REVISION DATE 600' SCALE MAP NO. 43 BLOCK NO. 10	TITLE SHEET SCALE: AS SHOWN	7330 MONTEVIDEO ROAD HOWARD CO., MARYLAND Contract No. 14-3810-D Election District 1	SCALE AS SHOWN SHEET 1 OF 3
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STATE BOARD OF PRISON CONTROL
H.B.N. 104/384
M-2 ZONING
PARCEL 543



UTILITY NOTES:
U-1 CLOSE EX. VALVE, REMOVE & RETURN EX. FIRE HYDRANT TO HOWARD COUNTY, BUREAU OF UTILITIES, EXTEND 6" WATER AND INSTALL NEW F.H. AT BURY ELEV. = 164.70
U-2 EXISTING 8" WATER TO BE ABANDONED AND REMOVED AFTER RELOCATION.
U-3 TRENCH REPAIR PER HOWARD CO. DETAIL C-4.01.
U-4 SMH-7878, ADJUST EX. TOP TO ELEV. 162.90

BASELINE OF CONSTRUCTION

STATION	NORTHING	EASTING
P.O.L. STA. 5+00	486,966.2864	863,988.6017
P.L. STA. 9+83.75	486,552.6965	864,198.7555
P.L. STA. 13+51.22	486,508.5214	864,372.4355
P.L. STA. 18+00	486,984.6198	864,464.9093

Q OF ENTRANCE RD.

STATION	NORTHING	EASTING
P.O.L. STA. 30+00	486,492.3484	864,136.6173
P.L. STA. 30+80	486,528.2378	864,211.1133

STATION: 9+83.75 (BASELINE OF CONSTRUCTION) = STATION: 30+80 (Q OF ENTRANCE RD)

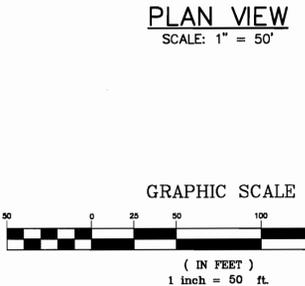
NOTE: RIM OF MANHOLES TO BE SET AS INDICATED ON PROFILES.

WATER NOTES AND FITTINGS SCHEDULE

NO.	DESCRIPTION	COORDINATES		TOP ELEV.
		NORTHING	EASTING	
W-1	NEW 8"x8" TEE	486530.0515	864203.5835	
W-2	NEW 8"-1/16 BEND	486467.8723	864079.7109	N/A
W-3	NEW 8"x8" TEE & 8" VALVE (SE) W / ROADWAY BOX	486465.6277	864048.8123	BOX = 174.00
W-4	NEW 8"-1/8 BEND	486457.7169	863939.9121	N/A
W-5	NEW 8"x6" TEE, 6" VALVE W / ROADWAY BOX & 6" F.H. (6.5' BURY)	486463.7859	864023.4581	BOX = 174.81 F.H. BURY = 175.68
W-6	NEW 8"x6" TEE, 6" VALVE W / ROADWAY BOX	486234.5599	863745.6294	BOX = 178.05
W-7	NEW 8"x6" TEE, 6" VALVE W / ROADWAY BOX & 6" F.H. (5.0' BURY)	486216.5838	863729.9738	BOX = 177.45 F.H. BURY = 177.85
W-8	NEW 8" CAP & BUTTRISS	486215.0754	863728.6606	N/A
W-9	NEW 8"-1/32 BEND	486317.6905	864056.8327	N/A
W-10	NEW 8"-1/16 BEND	486255.6277	864053.0272	N/A
W-11	NEW 8"x6" TEE, 6" VALVE W / ROADWAY BOX & 6" F.H. (5.0' BURY)	485846.9503	863853.6233	BOX = 197.50 F.H. BURY = 197.70
W-12	NEW 8"x6" TEE, 6" VALVE	485810.9770	863836.0718	BOX = 197.90
W-13	NEW 8" CAP & BUTTRISS	485797.4909	863829.4897	N/A
W-14	NEW 8" CAP WITH BUTTRISS	486241.1237	863738.0892	N/A
W-15	NEW 8" CAP WITH BUTTRISS	485814.9311	863827.9783	N/A
W-16	NEW 8" VALVE W / ROADWAY BOX	486464.7340	864036.5092	BOX = 174.30
W-17	NEW 8" SLEEVE, SPACER AND 1/8 BEND. CONNECT TO EX. 8" W.	486589.0946	864178.1966	N/A
W-18	NEW 8"-1/8 BEND	486586.8942	864184.9166	N/A
W-19	NEW 8" VALVE W / ROADWAY BOX	486533.2293	864201.9734	BOX = 164.88
W-20	NEW 8" VALVE W / ROADWAY BOX	486526.8736	864205.1936	BOX = 165.17
W-21	NEW 8" VALVE W / ROADWAY BOX	486514.9006	864173.4002	BOX = 166.17
W-22	DISCONNECT EX. WHC SERVICE FROM EX. 8" MAIN. INSTALL NEW CORPORATION TAP AND RECONNECT EX. WHC SERVICE TO NEW 8" MAIN.	486439.8128	864249.3041	N/A
W-23	DISCONNECT EX. WHC SERVICE FROM EX. 8" MAIN. INSTALL NEW CORPORATION TAP AND RECONNECT EX. WHC SERVICE TO NEW 8" MAIN.	486217.0046	864362.1929	N/A
W-24	NEW 8"-1/8 BEND	486214.7555	864363.3324	N/A
W-25	NEW 8" SLEEVE, SPACER AND 1/8 BEND. CONNECT TO EX. 8" W.	486208.0355	864361.1320	N/A

SANITARY SEWER SCHEDULE

NO.	DESCRIPTION	COORDINATES		TOP	INVERT IN	INVERT OUT
		NORTHING	EASTING			
SMH-1	PRECAST CONCRETE TYPE 'A' DROP MANHOLE OVER EX. SEWER. SEE HOWARD COUNTY STD. DETAIL NO. S-1.32.	N. 486527.77	E. 864224.38	165.37	157.85	155.6±
SMH-2	4'-0" STANDARD PRECAST CONCRETE MANHOLE SEE HOWARD COUNTY STD. DETAIL NO. G-5.12	N. 486504.77	E. 864178.55	166.48	159.98	159.78



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Robert Beaman 2-6-01
DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
2/13/01
DATE

ENGINEERS:
Consulting Engineers
849 Fairmount Avenue (410) 512-4500
Baltimore, Maryland 21286 (410) 324-4100 (FAX)
WHITNEY, BAILEY, COX & MAGNANI, LLP

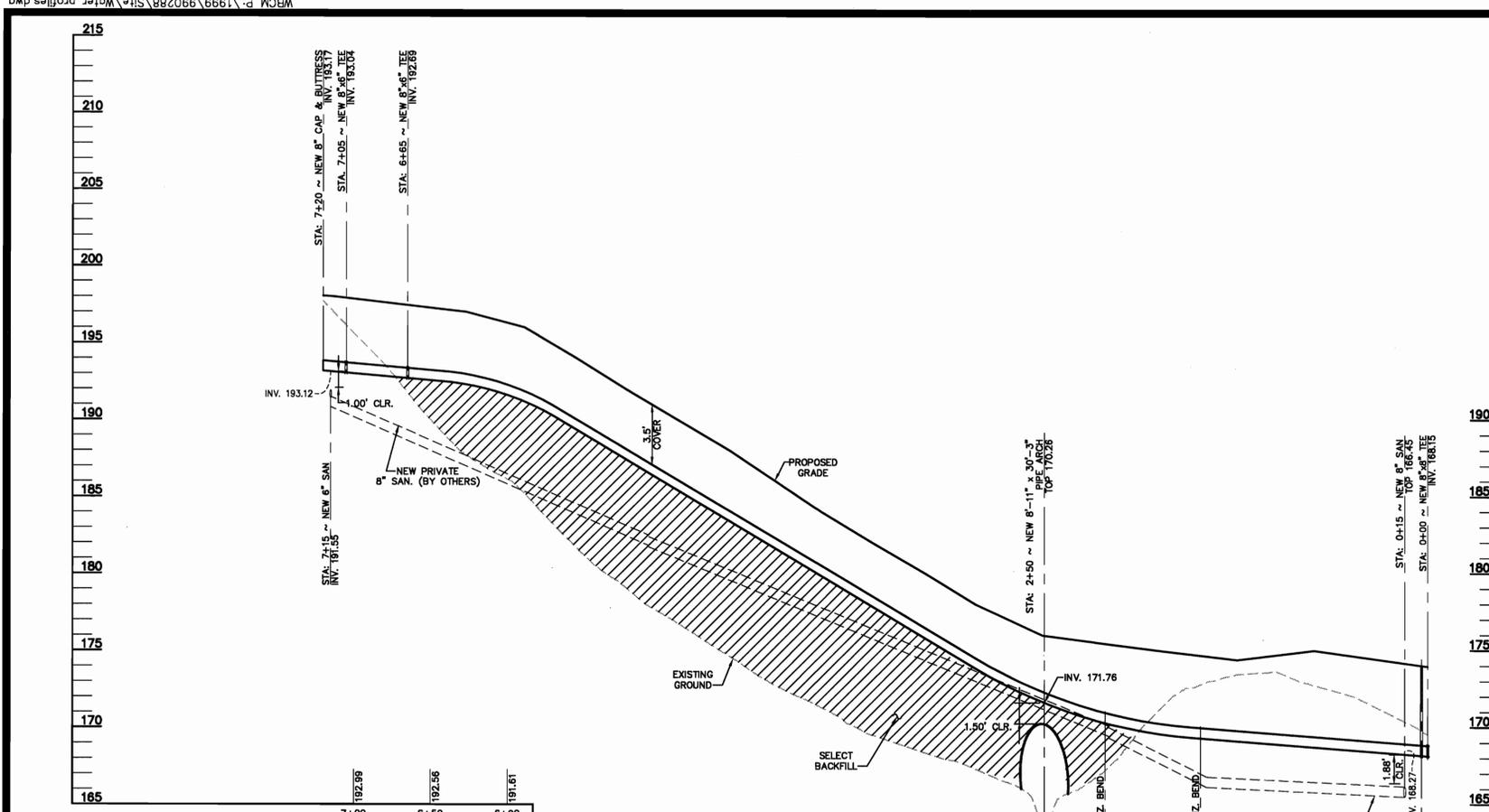
DES: P.C.
DRN: C.P.G.
CHK: P.D.
DATE: 8/15/00

BY	NO.	REVISION	DATE

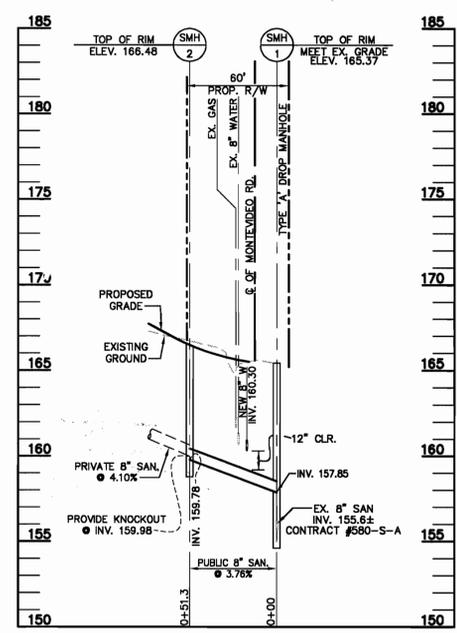
8" PUBLIC WATER & PUBLIC SEWER PLAN
600' SCALE MAP NO. 43 BLOCK NO. 10

7330 MONTEVIDEO ROAD
HOWARD CO., MARYLAND
Contract No. 14-3810-D
Election District 1

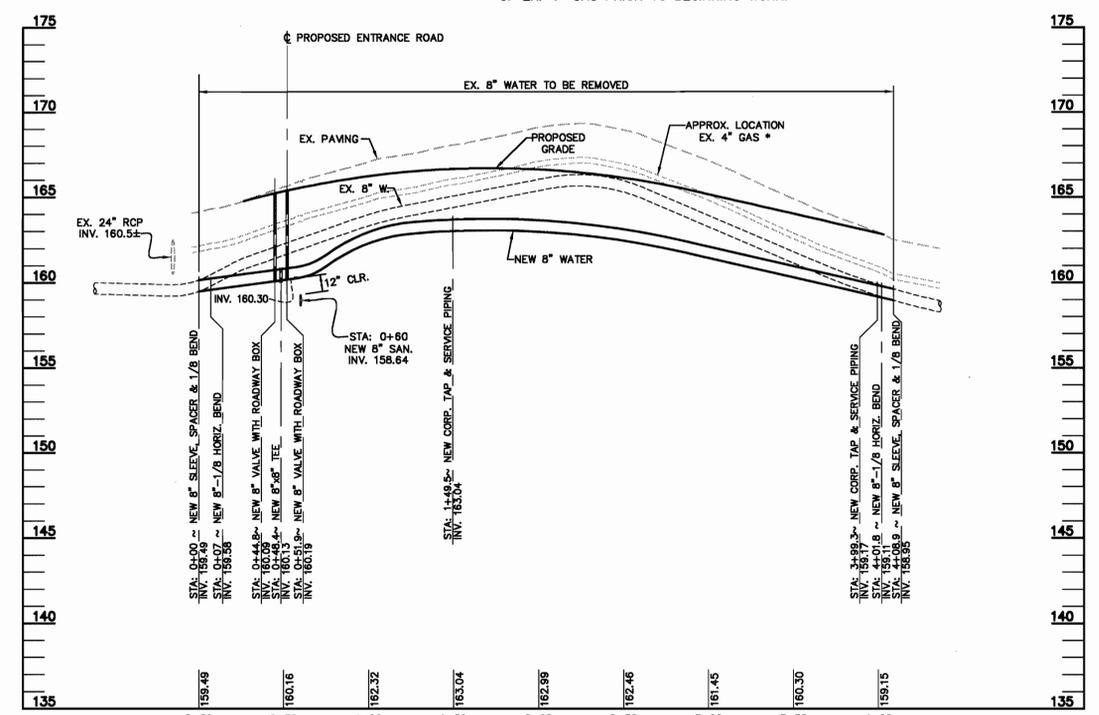
SCALE AS SHOWN
SHEET 2 OF 3



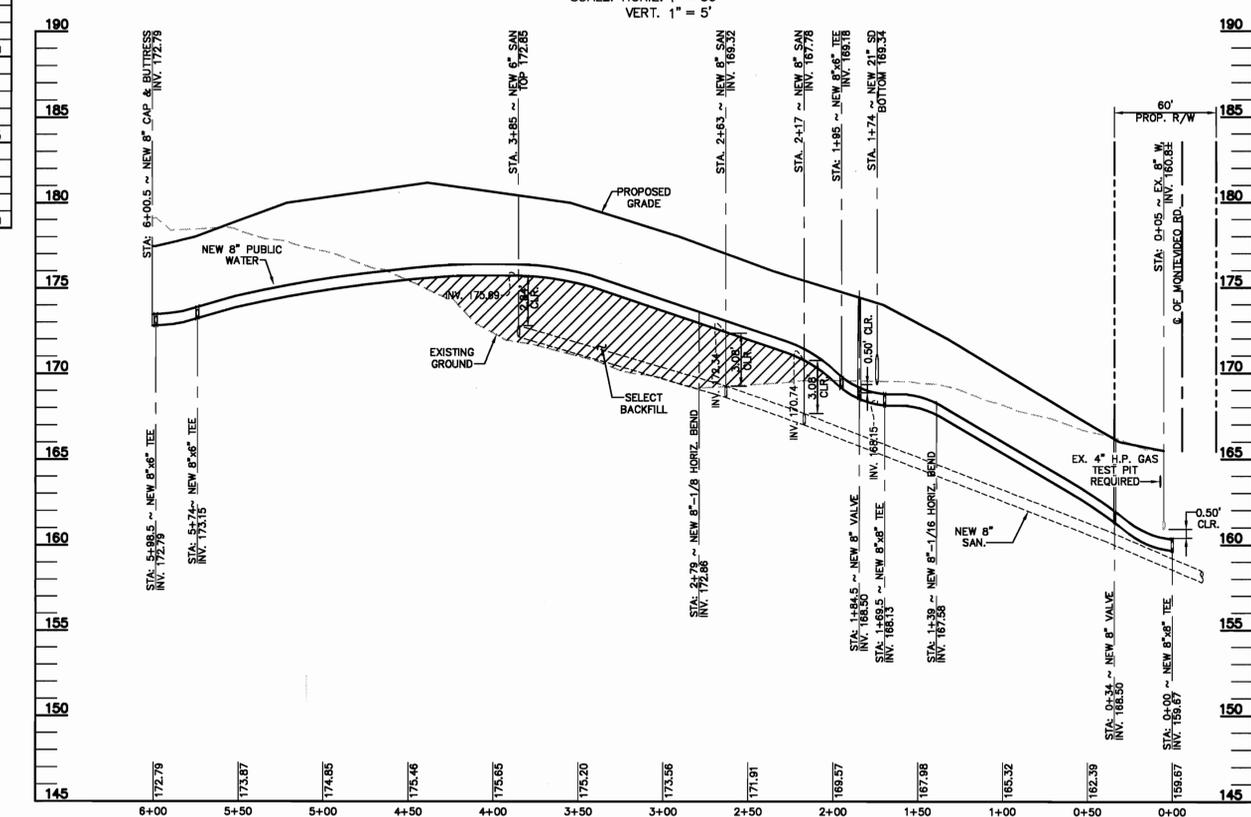
WATERLINE PROFILE - ROAD "B"
 SCALE: HORIZ. 1" = 50'
 VERT. 1" = 5'



SANITARY PROFILE
 SCALE: HORIZ. 1" = 50'
 VERT. 1" = 5'



WATERLINE PROFILE - MONTEVIDEO RD.
 SCALE: HORIZ. 1" = 50'
 VERT. 1" = 5'



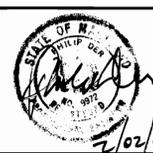
WATERLINE PROFILE - ROAD "A"
 SCALE: HORIZ. 1" = 50'
 VERT. 1" = 5'

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Robert Benjamin 2-6-01
 CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND
 [Signature] 2/13/01
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

ENGINEERS:

Consulting Engineers
 849 Fairmount Avenue (410) 512-4500
 Baltimore, Maryland 21286 (410) 324-4100 (FAX)
WHITNEY, BAILEY, COX & MAGNANI, LLP



DES. P.C.	
DRN. C.P.G.	
CHK. P.D.	
DATE: 8/15/00	
BY NO.	REVISION
	DATE

8" PUBLIC WATER PROFILES
 600' SCALE MAP NO. 43 BLOCK NO. 10

7330 MONTEVIDEO ROAD
HOWARD CO., MARYLAND
Contract No. 14-3810-D
Election District 1

SCALE AS SHOWN
 SHEET 3 OF 3