	QUANTITY TABLE			
ITEM	DESCRIPTION	QUANTITY	UNIT	
1	8" DIP CLASS 52 (WATER)	398	LF	
2	6" DIP CLASS 52 (WATER)	25	LF	
3	4" DIP CLASS 52 (WATER)	15	LF	
4	6" SDR 35 (PRIVATE GRAVITY SEWER)	397	LF	
5	8" SDR 35 (GRAVITY SEWER)	<i>385</i>	LF	
6	2" SDR 21 (PRESSURE SEWER)	2486	LF	
7	2" SDR 21 (PRIVATE PRESSURE SEWER)	322	LF	
8	NO. OF WATER HOUSE CONNECTIONS	2	EA	
9	NO. OF SEWER HOUSE CONNECTIONS	2	EA	
10	750 GALLON GREASE TRAP	1	EA	
11	AIR RELEASE MANHOLE	1	EA	
12	FLUSHING CONNECTION	2	EA	
13	SERVICE VALVE	2	EA	
14	2" 1/8 HB	2	EA	
15	2" 1/16 VB	2	EA	
16	1" DIP CASING PIPE	40	LF	
17	MANHOLE	,	EA	
18	FIRE HYDRANTS	2	EA	
19	8"x6" TEE	2	EA	
20	8"x4" TEE	1	EA	
21	6" VALVE	2	EA	
22	4" VALVE	2	EA	
23	4" PLUG	2	EA	
24	8"x4" REDUCER	1	EA	

	BENCHMARK DATA		
NO.	LOCATION (1)	ELEVATION	
37 EA	MARYLAND ROUTE 100 AT INTERSECTION 95	248.11	
37 F3	MARYLAND ROUTE 100 0.4 MILE WEST OF INTERSECTION 95	291.77	

1) REFER TO HOWARD COUNTY LOCATION SKETCH FOR EXACT LOCATION.

PALS STATE CONTRACT
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3123/13
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CONTROL STA 375A
190.70
600 SCALE HAP 37 BLOCK 10
VICINITY MAP

SCALE: 1"=600"

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATED DISTRICT	OON
APPROVED: July followard S.C.D.	6/1/95
REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQU	UIREMENTS,
APPROVED: OFFICIA Engles 65.	4/95 DATE

NOTE: SEDIMENT CONTROL SHALL BE PROVIDED AS PER SDP-95-92, SDP-95-77
AND SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL VOLUME IV, SECTION 219.

TYPE OF BUILDING -	8,000 SQ. FT. CLUBHOUSE	SHEET	SHEET INDEX		
NO. OF LOTS/PARCELS -	1	SHEET NO.	MILE		
NO. OF WATER HOUSE CONNECTION NO. OF SEWER HOUSE CONNECTION		1	TITLE SHEET		
DRAINAGE AREA -	PATAPSCO	2	PLAN		
TREATMENT PLANT -	PATUXENT	<i>3</i>	PLAN		
		4	PROFILES		
WATER CODE -	<i>D04</i>	5	DETAILS AND DETAILS		

2610000

TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S 2. ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE

CONTRACTOR SHALL TAKE ALL MECESSARY PRECAUTIONS TO PROTECT

EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY

GENERAL NOTES

1. APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE

3. ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATA.

4. 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. 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 N, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST EDITION). THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IN 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.

8. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS.

STATE HIGHWAY ADMINISTRATION BGE CO. CONTRACTOR SERVICES BGE CO. UNDERGROUND DAMAGE CONTROL MISS UTILITY COLONIAL PIPELINE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

(410) 531-5533 (410) 850-4620 (410) 787-9068 1-800-257-7777 (410) 795-1390

(410) 313-4900

BUREAU OF UTILITIES 9. TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION

10. 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.

11. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-2450 AT LEAST FINE 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 18.114(a) OF THE HOWARD COUNTY CODE.

STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.

1. ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE

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.

4. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.

5. 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.

6. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.

7. ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING UNLESS OTHERWISE NOTED ON PLANS OR IN SPECIFICATIONS.

8. THE MINIMUM VERTICAL CLEARANCE BETWEEN ANY WATER MAIN AND ANY OTHER UNDERGROUND UTILITIES IS ONE FOOT.

<u> PART III — SEWER</u>

1. ALL SEWER MAINS SHALL BE DIP, CSPX OR P.V.C. UNLESS OTHERWISE NOTED.

2. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALL.

3. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE

4. FORCE MAINS SHALL BE PVC SDR 21. FOR DETECTION USE MAGNETIC DETECTIBLE TAPE ON THE PVC FORCE MAIN.

MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES

6. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL G5.52. WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1" - 6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE

7. HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.

1ST ELECTION DISTRICT

8. GRINDER PUMP SHALL BE EMVIRONMENT ONE CORPORATION MODEL 2014.

DEPARTMEN	T OF	PUB	ZIC	WORKS
HOWARD	COUN	TY, M	ARYL	4ND

CHIEF, BUREAU OF UTILITIES

THE CHIEF, LAND DEVELOPMENT DIVISION CHIEF

7164 COLUMBIA GATEWAY DRIVE, SUITE 205 COLUMBIA, MARYLAND 21046 410/312-0966



SEWER CODE -

TEST GRADIENT —

495	DES:	J.W.C	BY	NO.	REVISION	TITLE SHEET
4.	0044					WATER AND SEWER EXTENSION PLAN
, <u>.</u>	DRN:	E.L.B.				
	CHK:					NUMBER OF LOTS: 1
**		M.G.M.				
	DATE:	- 4 4				
		5/16/95				600' SCALE MAP NO. 37 BLOCK NO. 10

CENTRE 9500, PARCEL K THE TIMBERS AT TROY GOLF COURSE CLUBHOUSE AND MAINTENANCE FACILITIES

CONTRACT NO. 14-3423-D

SHEET 1 OF 5 HOWARD COUNTY, MARYLAND

SCALE

SHOWN

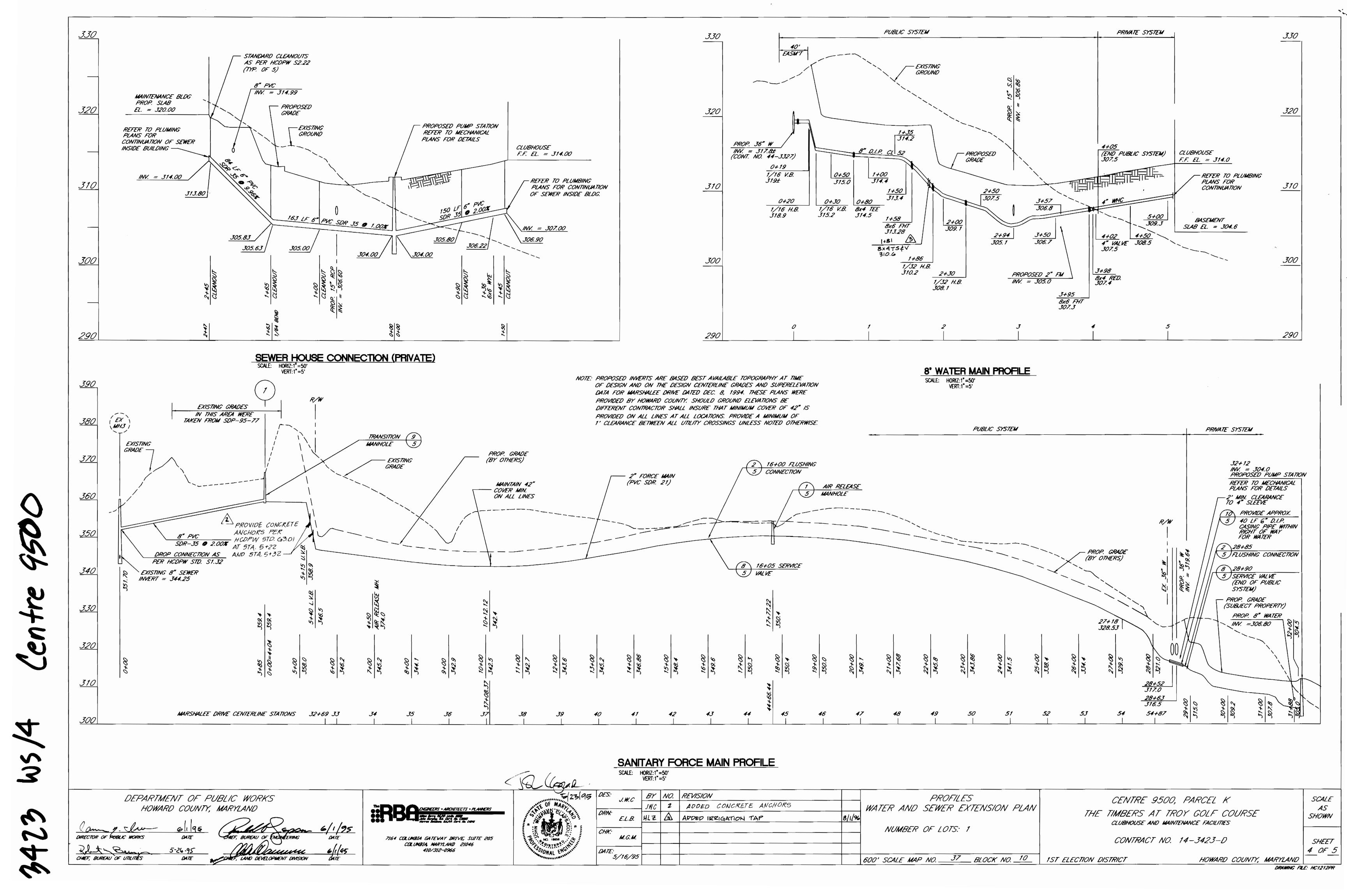
DRAWING FILE: HC1212TS

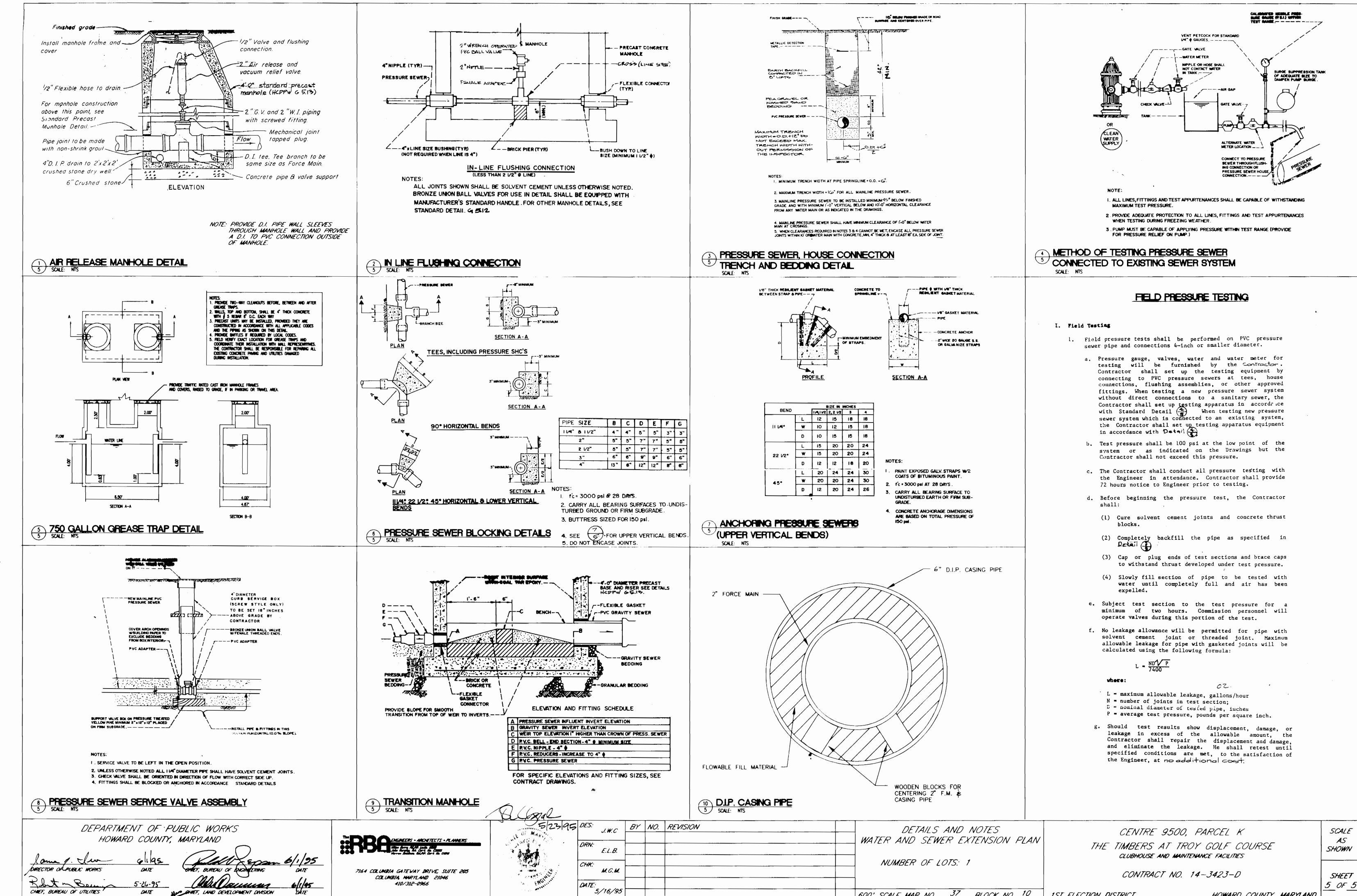
Open Space
Part of Parcel G
(PEC Zone)
100 Investment

600' SCALE MAP NO. 37 BLOCK NO. 10

1ST ELECTION DISTRICT

HOWARD COUNTY, MARYLAND





600' SCALE MAP NO. ____37 BLOCK NO. __10

1ST ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

DANING FILE: HC1212DE