WATER AND SEWER MAIN EXTENSIONS

TURF VALLEY - PGCC-1

PGCC-1 Subdistrict Parcel C, Area 1-C PHASE III - LOTS 34-38, 45-52, 40, 55-58

3rd ELECTION DISTRICT HOWARD COUNTY, MARYLAND CONTRACT NO. 24-3346-D

PGCC-1

SUBDISTRICT

SUBDISTRICT

		QUAN	NTITIES		
ITEM	QUANTITIES	ITITIES AS-BUILT			
	EST'D	QUANTITIES	TYPE	SUPPLIER/MANUFACTURER	
8" W DIP	118QL.F.				
6" W	352L.F.				
3/4" WHC	G7ラL.F.				
6" V	2 EACH				
FIRE HYDRANT	2 EACH				
8" S	1481 L.F.				
4" SHC	408 L.F.				
4" DHC	4 V.F.				
4' MANHOLE	13 EACH				
3" BLOWOFF	1 EACH				
ANCHOR	1 EACH				
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			AS-BUILT D		

SHEET INDEX

WATER AND SEWER MAIN PLAN

WATER AND SEWER MAIN PROFILES

DESCRIPTION

TITLE SHEET

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL AND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AND ALSO AS SHOWN ON THE GRADING AND SEDIMENT CONTROL PLAN

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

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

PLAN REFERENCE NUMBERS S-86-13 S-92-15 FDP PGCC-1 P-93-10 F 94-06

LITTLE	EX. 18" S -(CONTRACT NO. 20-1177-D)				
VICINITY MAP SCALE: 1" =600'					
WATER NO . HOT	TYPE OF BUILDING: RESIDENTIAL DRAINAGE AREA: LITTLE PATUXENT TREATMENT PLANT: PATAPSCO VIA ROUTE 108 PUMPING STATION				
WATER NO. :H07 TEST GRADIENT : SEWER NO.S :	NO. OF LOTS : 18 BUILDABLE LOTS: 17 OPEN SPACES : 1 NO. OF SHC : 17 NO. OF WHC : 22				

NOTE: SURVEY CONTROL IS BASED ON NAD '27 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS: NO. 3440001 N 534735.478 ELEV. 486.341 E 836286.297 NO. 3440002 N 533593.800 ELEV. 462.306

MWZ

E 837983.249 REVISED FOR DPZ/DED REDUNES DRN: MWZ MWZ REVISED SUMMARY CHART PER DAW COMMENTS MWZ SUBMITTED TO DPW FOR SIGNATURES

REVISED PER DPW COMMENTS

SUBMITTED TO DPW

SHEET

600' SCALE MAP NO. _____**16**__

BLOCK NO. _____12. 18

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.
- 3. ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM.
- 4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS
- 5. CLEAR ALL UTILITIES BY 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 OWNED THE CONTTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITIY 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.
- 7. 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 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. UNDERGROUND DAMAGE CONTROL: 787-9068 BALTIMORE GAS & ELECTRIC CO. TROUBLE SHOOTING: 298-9001 MISS UTILITY: 1-800-257-7777
 - COLONIAL PIPELINE COMPANY: 795-1390 BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS: 313-4900 C & P TELEPHONE COMPANY: 1-800-257-7777
- 9. 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.
- 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 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 18.114(a) OF THE HOWARD COUNTY CODE.

- 1. ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- 2. TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3-1/2' COVER UNLESS OTHERWISE NOTED.
- 3. 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 SETTINGS, UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.

SEWER NOTES

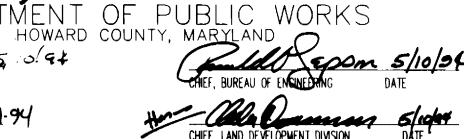
- 1. ALL SEWER MAINS SHALL BE D.I.P., R.C.P., V.C.P.X., R.C.C.P., AND P.V.C. UNLESS OTHERWISE NOTED.
- 2. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE
- 3. FORCE MAINS SHALL BE D.I.P. ONLY.
- 4. MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES
- 5. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATER-TIGHT 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 DRAWINGS.
- 6. HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR

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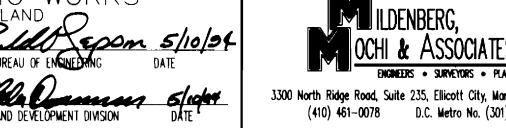
ELECTION DISTRICT NO. 3

HOWARD COUNTY, MARYLAND

SCALE SHOWN



SURVEY AND DRAFTING DIVISION



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