TROY HISTORIC COMMERCIAL TYPE OF BUILDING: NO. OF LOTS/PARCELS: NO. OF WATER HOUSE CONNECTIONS NO: OF SEWER HOUSE CONNECTIONS: PATAPSCO DRAINAGE AREA: PATAPSCO TREATMENT PLANT: MEADOWRIDGE MEMORIAL PARK -PROPOSED FIRE HYDRANT WATER LINE STA. 2+50, 56.3' RIGHT 7250 BALTIMORE WASHINGTON BOULAVARD BURY LINE ELEVATION=193.0 BURY LINE LENGTH=5.0' REFERENCE HOWARD COUNTY STANDARD DETAIL W2.13 BORE AND JACK -24" STEEL CASING SLEEVE (SEE DETAIL THIS SHEET) 6" F. H. VALVE (STA 0+05 TO 0+85) STA 0+00 SEWER 6" SEWER HOUSE CONNECTION 26' FROM CEP POLE 8'TAPPING SLEEVE & VALVE (12' FROM FACE OF CURB TRAVERSE ! STA -0+02 8" 90" VERTICAL BEND BORE AND JACK -20" STEEL CASING SLEEVE (SEE DETAIL THIS SHEET) PROPOSED BUILDING (STA. 0+03 TO 0+80) _STA. 2+50 STA. 2+52, 8"X6" REDUCER -15' UTILITY EASEMENT -inside meter & detector check, reference howard county std. W3.44 STA. 2+54, 6" VALVE SEWER CODE: 2320000
WATER CODE: B 01 STA. 2+60 6" CAP & BUTRESS (TO BE REMOVED FOR INSTALLATION OF WHC) TEST GRADIENT: 550 GENERAL NOTES HOWARD COUNTY MONUMENT 43B2 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 PROPOSED PUBLIC SEWER PROPOSED W.H.C. SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTORS EXPENSE. PROPOSED PUBLIC WATER 2. ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES. VICINITY MAP ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S DATA 4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS. SCALE: 1"=600' 20" STEEL CASING (FOR 8" WATER) 24" STEEL CASING (FOR 6" SHC DIP CLASS 52) 5. CLEAR ALL UTILITIES BY A MINIMUM OF 6". CLEAR ALL POLES BY 2'-0' MINIMUM THICKNESS MINIMUM OR TUNNEL AS REQUIRED. THE OWNER HAS CONTRACTED THE UTILITY COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON 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 STAINLESS STEEL CASING SPACERS CASCADE WATERWORKS MFG. CO.; PIPELINE —SEAL AND INSULATOR INC. OR EQUAL. 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 **BENCHMARKS** 1. PROVIDE BRICK BULKHEAD AND JOINT AT END OF CASING AS SHOWN ON HOWARD COUNTY STANDARD DETAIL G9.01. IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST RV#1 TACK IN HUB ELEV= 195.81 6" SHC DIP CLASS 52 85 L.F. 90 LF MT DIP CL 52 GRIFFIN / MUNICIPAL CONTRACTOR SALES EDITION). THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB RV#2 TACK IN HUB ELEV= 169.38 NEW STRUCTURAL GRADE STEEL PIPE 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 20" STEEL CASING SLEEVE BORE AND JACK/CASING DETAIL 77 L.F. 77′ LF <u>PLAN</u> BALTO. PIPE 24" STEEL CASING SLEEVE 5" STEEL " 80 LF SCALE: 1"=50' 80 L.F. BALTO. PIPE ON THE DRAWINGS. EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED W NOT TO SCALE WORK FOR WHICH TEST PITS HAVE NOT BEEN DUG SHALL BE LOCATEDBY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION. 8"X12" TAPPING SLEEVE TAPPING SLEEVE CLOW / MUNICIPAL & CONTRACTOR SALES 8. THE CONTRACTOR SHALL NOTIFY THE FOLLWING UTILITY COMPANIES OR 2 MJ GATE VALVE KENNEDY 6" VALVE 2 AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN -15' UTILITY 8" VALVE KENNEDY TAPPING VALVE EASEMENT existing ground. STATE HIGHWAY ADMINISTRATION YLER / MUNICIPAL & CONTRACTOR BALES 8"X6" TEE MJ TEE B.G.&E. CO. CONTRACTOR SERVICES 850-4620 200 B.G.&E CO. UNDER GROUND DAMAGE CONTROL 787-9068 <u>195</u> FIRE HYDRANT K 81-A KENNEDY/ " 1-800-257-7777 PUBLIC WATER & UTILITY EASEMENT MISS UTILITY COLONIAL PIPELINE CO. 795-1390 313-4900 8"X6" REDUCER 1 MT REDUCER YLER / HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS **15′ UTILITY** - EXISTING GROUND BUREAU OF UTILITIES 6" CAP & BUTTRESS EASEMENT MT CAP YLER / -- EXISTING 12" WATER (CONTRACT 36 W&S) MJ CL 52 DIP 9. TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM 6" WATER 52 L.F. 56 LF GRIFFIN/ 195 190 <u> 190</u> EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRATOR. 254 LF 8" WATER 254 L.F. MJ CL 52 DIP RIFFIN " 10. THE CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE QUANTITIES QUANTITIES MANUFACTURER/SUPPLIER TYPE TEXISTING 12" WATER ITEMS * VERTICAL AND HORIZONTAL LOCATION - PROPOSED GRADE --(CONTRACT 36 W&S) UNIT PRICE BID FOR THE CONSTRUCTION OF THE MAIN. **ESTIMATED** OF UTILITIES TO BE VERIFIED BY THE AS-BUILT STA. 2+52 .-8"X6" REDUCER STA. 0+00 INV. 8" WATER 90" VERT BEND 190 CONTRACTOR WITH HAND DUG TEST PITS. 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 <u> 190</u> **QUANTITIES** STA. -0+01 | | STA. 0+05 " TAPPING SLEEVE COUNTY ROADS FOR LAYING WATER/SEWER MAIN OR HOUSE CONNECTIONS. NAME OF UTILITY CONTRACTOR: CABLE & CONDUIT CONSTRUCTION, INC. --STA. 2+00 THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(a) OF THE HOWARD COUNTY CODE. --STA. 1+50 & VALVE -EXISTING 12" SEWER SURVEY AND DRAFTING DIVISION AS-BUILT DATE (CONTRACT 210-S)) EXISTING 12" WATER STA. 0+50 187.5 --STA. 1+00 --STA. 2+50 8"x6" FHT 12. COORDINATES BASED ON NAD '83, MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC LINE TO BE FIELD VERIFIED BY 185 `-STA. 0+00 188.0 20" STEEL CASING 6" CAP & BUTTRESS CONTROL STATIONS NO. 43B2 AND NO. 43B6. 181.8 43B2 N 551,649.413 E 1,378,163.021 ELEV=209.67 43B6 N 550,595.988 E 1,376,852.126 ELEV=210.61 STA. 2+54 'SLEEVE(BORE & JACK) 181.2 24" STEEL CASING 6" VALVE 187.9 -EXISTING 12" SEWER ((CONTRACT 210-S)) SLEEVE PART II - WATER PART III - SEWER (JACK & BORE) 180.9 1. ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED. 1. ALL SEWER MAINS SHALL BE DIP CLASS 52, RCP, VCPX, CSPX, RCCP AND P.V.C. UNLESS OTHERWISE NOTED. 2. TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3-1/2' COVER UNLESS 2. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALL. +50 +50 OTHERWISE NOTED. +50 +50 3. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES. WATER MAIN PROFILE SEWER HOUSE CONNECTION PROF!LE 3. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS 4. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN OTHERWISE NOTED. ACCORDACE WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS * VERTICAL AND HORIZONTAL LOCATION OF UTILITIES TO BE VERIFIED BY THE SCALE: HORZ. 1"=50', VERT. 1"=5' SCALE: HORZ. 1"=50', VERT. 1"=5' 4. FORCE MAIN SHALL BE D.I.P. ONLY. 1.6 6-2 CONTRACTOR WITH HAND DUG TEST PITS. 5. FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE RESTRAINED AND BUTTRESSED 5. MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES SEDIMENT CONTROL MEASURES WILL BE IMPLEMNTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND WITH SITE DEVELOPMENT PLAN SDP 94-121 WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS, SOIL AROUND FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 1005 OF THE STANDARD SPECIFICATIONS. 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 REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL 6. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE OWNER/DEVELOPER BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT. TECHNICAL REQUIREMENTS. EXISTING WATER SYSTEM. 24" SLEEVE OTHERWISE NOTED ON THE DRAWINGS. SERVICE CORPORATION INTERNATIONAL P.O. BOX 130548 ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING UNLESS OTHERWISE NOTED ON PLANS OR IN SPECIFICATIONS. 7. HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR 1929 ALLEN PARKWAY CANNOT BE SERVED. HOUSTON, TEXAS 77219-0548 8. A STATE HIGHWAY UTILITY PERMIT WILL BE REQUIRED PRIOR TO CONSTRUCTION WITHIN ROUTE 1 RIGHT-OF-WAY. JACK AND BORE METHOD UNDER ROUTE 1 WILL BE REQUIRED BY THE S.H.A. UTILITY ENGINEER. TELEPHONE: (713) 522-5141 U.S. SOIL CONSERVATION DISTRICT MEADOWRIDGE MEMORIAL PARK DEPARTMENT OF PUBLIC WORKS DES: D.G.H. **SCALE** MARKS-VOGEL ASSOCIATES, INC. PLAN OF WATER MAIN HOWARD COUNTY, MARYLAND FUNERAL HOME DRN: D.G.H. SHOWN WATER & SEWER AS - BUILT 14-3384-D CHIEF, BUREAU OF ENGINEERING DIRECTOR OF PUBLIC WORKS CHK: R.H.V. 0 16193 6/STERED SHEET 3691 PARK AVENUE, SUITE 101 TELEPHONE: (410) 461-5828 RLLICOTT CITY, MARYLAND 21043 _1_OF_1 TAX MAP #37 DATE:8/8/94 BY NO. DEED REFERENCE: 151/32 PARCEL 178 REVISION DATE 600' SCALE MAP NO. 37 BLOCK NO. 23 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

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