QUANTITIES AS-BUILT ESTIMATED TYPE MANUF./SUPPLIER | 679.5 L.F. NAME OF UTILITY CONTRACTOR: SURVEY AND DRAFTING DIVISION AS-BUILT DATE

EX. 8' SEWER (CONT. NO. 24-3716-D)

SECTION 1, AREA 1

PLAT NOS. 13775-13776

HOMEOWNERS ASSOC.
OPEN SPACE
LOT 23

N 530,750

LAVEY & MARY ANN

LOVELESS

1218/150

P. 971

ZONED: R-SC

BEST MANAGEMENT PRACTICES FOR

WORKING IN NON-TIDAL WETLANDS, WETLAND BUFFERS, WATERWAYS AND

100-YEAR FLOODPLAINS

1) No excess fill construction material, or debris shall be stockpiled or stored in nontidal wetlands, nontidal wetland buffers, waterways, or

2) Place materials in a location and manner that does not adversely

impact surface or subsurface water flow into or out of nontidal

material products unsightly debris, toxic material, ar any other

debris, toxic material, or any other deleterious substance.

waterways, or the 100-year floodplain.

n temporarily impacted areas.

activity is to impound water.

material, or any other deleterious substance. If additional backfill is

required, use clean material free of waste metal products, unsightly

5) Repair and maintain any serviceable structure or fill so there is

waterways, or permanent modification of the 100-year floodplain in

excess of that lost under the ariginally authorized structure or fill. 6) Rectify any nontidal wetlands, wetland buffers, waterways, or

7) All stabilization in the nontidal wetland and nontidal wetland buffer

(Uniola sp.) and/or Rye (Secale cereale). These species will allow for

vegetation may be acceptable, but must be approved by the Nantido

utilized in wetland or buffer areas. The area should be seeded and

Wetlands and Waterways Division. Kentucky 31 fescue shall not be

100—year floodplain temporarily impacted by any construction.

shall consist of the following species: Annual Ryegrass (Lolium

multiflorum), Millet (Setaria italica), Barley (Hardeum sp.), Oats

the stabilization of the site while also allowing for the voluntary

reveaetation of natural wetland species. Other non-persistent

9) To protect aquatic species, in-stream work is prohibited a

period March 1 through June 15, inclusive, during any year

Use I waters: In-stream work shall not be conducted during the

10) Stormwater runoff from impervious surfaces shall be controlled

11) Culverts shall be constructed and any riprap placed so as not to

obstruct the movement of aquatic species, unless the purpose of the

determined by the classification of the stream:

prevent the washing of debris into the waterway.

no permanent loss of nontidal wetlands, nontidal wetlands buffers, or

4) Place heavy equipment on mats or suitably operate the equipment to prevent damage to nontidal wetlands, nontidal wetland buffers,

PUBLIC WATER AND SEWER CONSTRUCTION PLANS KINGS ARMS, SECTION 2

6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND CONTRACT No. 24-3959-D

CONTRACTOR SHALL OPEN CUT AND REPAIR PAVING ALONG HARMONY LANE AS NECESSARY FOR THE INSTALLATION

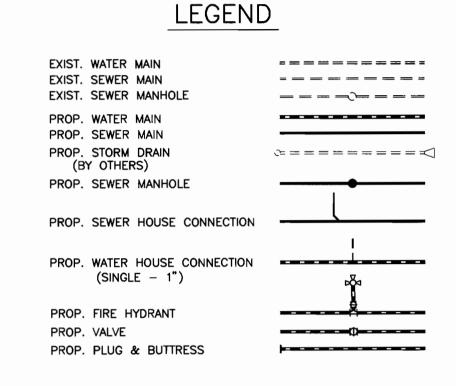
OF THE WATER MAINS AND THE WHC'S IN ACCORDANCE WITH HO.CO. STD. G-4.01

MOSES A. HALL

BENCH MARKS-(NAD'83)

HO. CO. #50BA EL. N/A STANDARD DISC ON CONC. MONUMENT

N 527561.6702' E 1359772.5936



101/543 P. 755 ZONED: R-SC FLAVEY & MARY ANN 454/93 HOMEOWNERS ASSOC. P. 796 OPEN SPACE **LOT 18 ^{での}** MCE=264.60 MCE=281.06 LOT 7 MCE=279.31 LOT 16 MCE=270.39 MCE=268.63 101/543 P. 755 ZONED: R-SC L 242 F. 0454 P. 181 ZONED: R—SC PETER B. MCNEIL 482/697 P. 816 ZONED: R-SC SEPH E. LOVELESS, JR. 4844/0440 ZONED: R-SC OPEN SPACE LOT 24 PARCEL 174 N 530,250 RYE LOT SECTION 1, AREA PLAT NO. 8143 CURRY PROPERTY PLAT NOS. 8720-8721 ZONED: R-SC PLAN VIEW

HO. CO. #50B5 EL.178.242'
STANDARD DISC ON CONC. MONUMENT N 524999.3640' E 1357925.6751 400 ZONE WATER AND SEWER COUNTY CODE TYPE OF BUILDING:___SINGLE FAMILY DETACHED WATER CODE: _____C-03 NUMBER OF SHC'S: NUMBER OF WHC'S: SEWER CODE: _____7270000

VICINITY MAP SCALE: 1" = 600

GENERAL NOTES

TREATMENT PLANT:___LITTLE PATUXENT

PART 1 - GENERAL

TEST GRADIENT: ____ 550

APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. TH 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. 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 UTILIT 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 TH
- 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 NO 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
- STATE HIGHWAY ADMINISTRATION. .410-531-5533 BGE CONTRACTOR SERVICES410-850-4620 BGE UNDERGROUND DAMAGE CONTROL. ...410-291-4607 1-800-257-7777 MISS UTILITY .. COLONIAL PIPELINE CO.. .410-549-4120
- 410-313-4900 1-800-446-5266 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.
- PLACE REGULATION "MEN WORKING" AND WARNING SIGNS AS REQUIRED TO COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATION MANUAL OF TRAFFIC CONTROL FOR HIGHWAY MAINTENANCE OPERATIONS.
- COUNTY, AT (410) 313-2450 AT LEAST FIVE (5) 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.

- ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED. TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3.5' 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 STANDARD DETAILS. SOIL AROUND THE FIRE

HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND

- 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. ALL WATER HOUSE CONNECTIONS SHALL BE 1 INCH.
- 8. FOR SPRINLKER SYSTEM FOR ALL TOWN HOMES OR MULTI-FAMILY DWELLING UNITS SHOULD HAVE A MINIMUM OF 1' CONNECTION WITH A 3/4" METER.

PART 3 - SEWER

1005 OF THE STANDARD SPECIFICATIONS.

- . ALL SEWER MAINS SHALL BE DIP OR P.V.C. UNLESS OTHERWISE NOTED.
- 2. 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 MANHOLE

FRAME AND COVER IS USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED

GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS. HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

ROAD CONSTRUCTION PLANS F-01-130

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE

IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE

HOWARD COUNTY STANDARD SPECIFICATIONS AND AS PER

HOWARD SOIL CONSERVATION DISTRICT:

AND MEETS TECHNICAL REQUIREMENTS

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT

DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND

BENCHMARK ENGINEERS & LAND SURVEYORS & PLANNERS ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE A SUITE 418

ELLICOTT CITY, MARYLAND 21043

FAX: 410-465-6644

SCALE: 1" = 50

MCE = 276.99

DESIGN: DBT DRAWN: DBT CHECK: DAM DATE: 1/15/02 BY NO. **REVISIONS**

PLAN OF WATER AND SEWER MAINS

600 SCALE MAP NO. 47

BLOCK 22

KINGS ARMS SECTION 2 LOTS 1-22 AND OPEN SPACE LOTS 23 AND 24

ELECTION DISTRICT NO. 6

CONTRACT NO. 24-3959-D

SCALE: AS SHOWN SHEET NO.

1 OF 2

