



TYPE OF BUILDINGS: SINGLE FAMILY DWELLINGS  
 NUMBER OF LOTS: 29  
 NUMBER OF WATER HOUSE CONNECTIONS: 29  
 NUMBER OF SEWER HOUSE CONNECTIONS: 29  
 PRELIMINARY AREA: LITTLE CREEK

VICINITY MAP  
 SCALE: 1" = 600'

- 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 CONTRACTORS EXPENSE.
- ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
- ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM.
- 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 ANY COST INCURRED TO THE CONTRACTOR FOR TUNNELING OR BRACING AT POLES SHALL BE INCLUDED IN UNIT PRICES BID FOR CONSTRUCTION OF THE MAIN.
- FOR DETAILS NOT SHOWN ON THE DRAWINGS USE HOWARD COUNTY STANDARD DETAILS.
- CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN THE VICINITY OF PROPOSED UTILITIES AT HIS OWN EXPENSE.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
  - BALTIMORE GAS AND ELECTRIC CO. - UNDERGROUND ELECTRIC DISTRIBUTION CUSTOMER SERVICE - 685-0123
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  - ENGINEERING - "DAMAGE CONTROL" - 234-5621
  - "MISS UTILITY" - 1-559-0100
  - CHESAPEAKE & POTOMAC (C&P) TELEPHONE COMPANY - 725-9976
  - BUREAU OF UTILITIES HOWARD COUNTY 992-2366
- TREES ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES 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 AS DIRECTED BY THE ENGINEER. 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 CONSTRUCTION AND MAINTENANCE OPERATIONS.
- ALL WATER MAINS TO BE C.I.P. OR D.I.P. UNLESS OTHERWISE NOTED.
- TOP 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.
- BLOCK ALL FITTINGS WITH CONCRETE.
- BURY LINE ELEVATIONS ON FIRE HYDRANTS SHALL BE SET TO THE 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 TO BE COMPACTED IN ACCORDANCE WITH ARTICLE 37.01-3 OF THE STANDARD SPECIFICATIONS.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR AN INSIDE METER SETTING.
- ALL SEWER MAINS SHALL BE C.S.P., V.C.P., A.C.P. CLASS 2400.PVC OR H.D.P.E. UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALL.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER, UNLESS OTHERWISE NOTED.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE BRICK MANHOLES ONLY.
- WATER MAIN AND WATER HOUSE CONNECTIONS MUST HAVE AT LEAST ONE FOOT SEPARATION FROM THE SEWER MAIN AND SEWER HOUSE CONNECTION AS THEY PASS ABOVE IT.

ITEM	QUANTITY	UNIT	SUPPLIER
1" MANHOLES	9	EA	JOHN MANVILLE, P.V.C.
2" MANHOLES	17	EA	JOHN MANVILLE, P.V.C.
4" VALVE	1	EA	GREEN
6" VALVE	1	EA	GREEN
8" VALVE	1	EA	AMERICAN CARLING
12" VALVE	1	EA	AMERICAN CARLING
16" VALVE	1	EA	AMERICAN CARLING
24" VALVE	1	EA	AMERICAN CARLING
36" VALVE	1	EA	AMERICAN CARLING
48" VALVE	1	EA	AMERICAN CARLING
60" VALVE	1	EA	AMERICAN CARLING
72" VALVE	1	EA	AMERICAN CARLING
84" VALVE	1	EA	AMERICAN CARLING
96" VALVE	1	EA	AMERICAN CARLING
108" VALVE	1	EA	AMERICAN CARLING
120" VALVE	1	EA	AMERICAN CARLING
144" VALVE	1	EA	AMERICAN CARLING
168" VALVE	1	EA	AMERICAN CARLING
192" VALVE	1	EA	AMERICAN CARLING
216" VALVE	1	EA	AMERICAN CARLING
240" VALVE	1	EA	AMERICAN CARLING
264" VALVE	1	EA	AMERICAN CARLING
288" VALVE	1	EA	AMERICAN CARLING
312" VALVE	1	EA	AMERICAN CARLING
336" VALVE	1	EA	AMERICAN CARLING
360" VALVE	1	EA	AMERICAN CARLING
384" VALVE	1	EA	AMERICAN CARLING
408" VALVE	1	EA	AMERICAN CARLING
432" VALVE	1	EA	AMERICAN CARLING
456" VALVE	1	EA	AMERICAN CARLING
480" VALVE	1	EA	AMERICAN CARLING
504" VALVE	1	EA	AMERICAN CARLING
528" VALVE	1	EA	AMERICAN CARLING
552" VALVE	1	EA	AMERICAN CARLING
576" VALVE	1	EA	AMERICAN CARLING
600" VALVE	1	EA	AMERICAN CARLING
624" VALVE	1	EA	AMERICAN CARLING
648" VALVE	1	EA	AMERICAN CARLING
672" VALVE	1	EA	AMERICAN CARLING
696" VALVE	1	EA	AMERICAN CARLING
720" VALVE	1	EA	AMERICAN CARLING
744" VALVE	1	EA	AMERICAN CARLING
768" VALVE	1	EA	AMERICAN CARLING
792" VALVE	1	EA	AMERICAN CARLING
816" VALVE	1	EA	AMERICAN CARLING
840" VALVE	1	EA	AMERICAN CARLING
864" VALVE	1	EA	AMERICAN CARLING
888" VALVE	1	EA	AMERICAN CARLING
912" VALVE	1	EA	AMERICAN CARLING
936" VALVE	1	EA	AMERICAN CARLING
960" VALVE	1	EA	AMERICAN CARLING
984" VALVE	1	EA	AMERICAN CARLING
1008" VALVE	1	EA	AMERICAN CARLING
1032" VALVE	1	EA	AMERICAN CARLING
1056" VALVE	1	EA	AMERICAN CARLING
1080" VALVE	1	EA	AMERICAN CARLING
1104" VALVE	1	EA	AMERICAN CARLING
1128" VALVE	1	EA	AMERICAN CARLING
1152" VALVE	1	EA	AMERICAN CARLING
1176" VALVE	1	EA	AMERICAN CARLING
1200" VALVE	1	EA	AMERICAN CARLING
1224" VALVE	1	EA	AMERICAN CARLING
1248" VALVE	1	EA	AMERICAN CARLING
1272" VALVE	1	EA	AMERICAN CARLING
1296" VALVE	1	EA	AMERICAN CARLING
1320" VALVE	1	EA	AMERICAN CARLING
1344" VALVE	1	EA	AMERICAN CARLING
1368" VALVE	1	EA	AMERICAN CARLING
1392" VALVE	1	EA	AMERICAN CARLING
1416" VALVE	1	EA	AMERICAN CARLING
1440" VALVE	1	EA	AMERICAN CARLING
1464" VALVE	1	EA	AMERICAN CARLING
1488" VALVE	1	EA	AMERICAN CARLING
1512" VALVE	1	EA	AMERICAN CARLING
1536" VALVE	1	EA	AMERICAN CARLING
1560" VALVE	1	EA	AMERICAN CARLING
1584" VALVE	1	EA	AMERICAN CARLING
1608" VALVE	1	EA	AMERICAN CARLING
1632" VALVE	1	EA	AMERICAN CARLING
1656" VALVE	1	EA	AMERICAN CARLING
1680" VALVE	1	EA	AMERICAN CARLING
1704" VALVE	1	EA	AMERICAN CARLING
1728" VALVE	1	EA	AMERICAN CARLING
1752" VALVE	1	EA	AMERICAN CARLING
1776" VALVE	1	EA	AMERICAN CARLING
1800" VALVE	1	EA	AMERICAN CARLING
1824" VALVE	1	EA	AMERICAN CARLING
1848" VALVE	1	EA	AMERICAN CARLING
1872" VALVE	1	EA	AMERICAN CARLING
1896" VALVE	1	EA	AMERICAN CARLING
1920" VALVE	1	EA	AMERICAN CARLING
1944" VALVE	1	EA	AMERICAN CARLING
1968" VALVE	1	EA	AMERICAN CARLING
1992" VALVE	1	EA	AMERICAN CARLING
2016" VALVE	1	EA	AMERICAN CARLING
2040" VALVE	1	EA	AMERICAN CARLING
2064" VALVE	1	EA	AMERICAN CARLING
2088" VALVE	1	EA	AMERICAN CARLING
2112" VALVE	1	EA	AMERICAN CARLING
2136" VALVE	1	EA	AMERICAN CARLING
2160" VALVE	1	EA	AMERICAN CARLING
2184" VALVE	1	EA	AMERICAN CARLING
2208" VALVE	1	EA	AMERICAN CARLING
2232" VALVE	1	EA	AMERICAN CARLING
2256" VALVE	1	EA	AMERICAN CARLING
2280" VALVE	1	EA	AMERICAN CARLING
2304" VALVE	1	EA	AMERICAN CARLING
2328" VALVE	1	EA	AMERICAN CARLING
2352" VALVE	1	EA	AMERICAN CARLING
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3192" VALVE	1	EA	AMERICAN CARLING
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4320" VALVE	1	EA	AMERICAN CARLING
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4368" VALVE	1	EA	AMERICAN CARLING
4392" VALVE	1	EA	AMERICAN CARLING
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