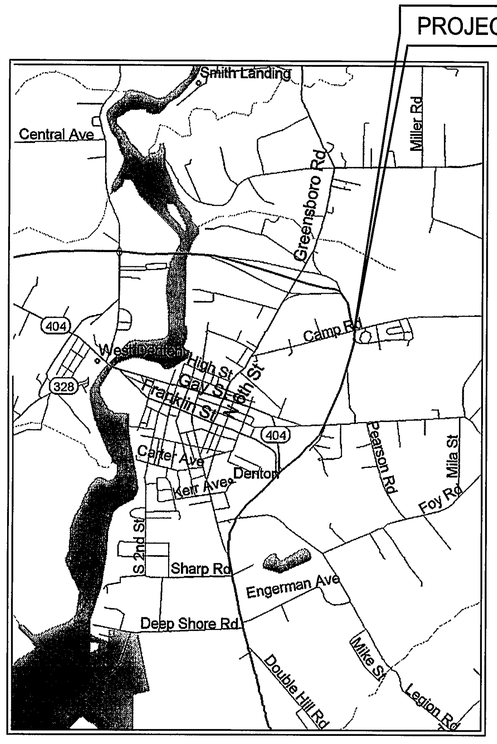
TOWN OF DENTON
DENTON WELL NO.6
DENTON, MARYLAND

GMB File No. 2006271.A



LOCATION MAP

SCALE: 1" = 1,000'

CONSTRUCTION NOTES

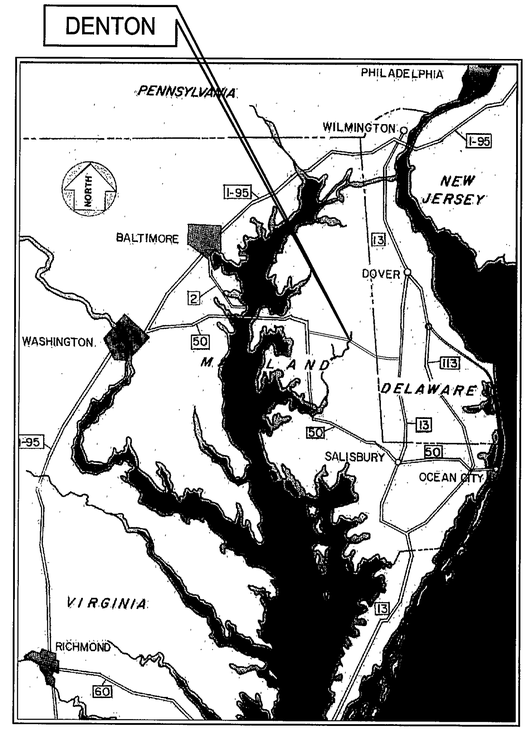
1. SITE SURVEY PREPARED BY GMB, FEBRUARY, 2008. BENCHMARK IS ELEVATION 56.45, FIRE HYDRANT FLANGE NUT ABOVE STEAMER VALVE. FIRE HYDRANT IS LOCATED AT THE ENTRANCE TO THE WATER STORAGE AREA. BENCH MARK IS BASED ON NGS SURVEY DISK M 192, NAVD 88. LOCATED AT THE INTERSECTION OF CAMP AND GARLAND ROADS.
2. WATER MAIN PIPE AND FITTINGS SHALL BE CEMENT LINE, DUCTILE IRON IN ACCORDANCE WITH ANSI/AWWA C151/A21.51 AND C150/21.50 OR APPROVED EQUAL.
3. PIPE TRENCH MUST BE EXCAVATED TO THE FINISHED GRADE AND MUST BE DRY DURING PIPE PLACEMENT AND BACKFILLING. BACKFILL SHALL BE THE MATERIAL EXCAVATED, PROVIDED IT IS FREE OF ORGANIC MATTER, HEAVY CLAY, DEBRIS, ETC. THE BACKFILL IS TO BE HAND-PLACED TO AT LEAST 12" ABOVE THE TOP OF THE PIPE AND MAY BE MECHANICALLY TAMPED IN 12" LIFTS TO FINISHED GRADE. EACH LIFT SHALL BE COMPACTED TO 95 PERCENT MODIFIED PROCTOR DENSITY.
4. PIPELINE DETECTABLE TAPE SHALL BE INSTALLED CONTINUOUSLY ALONG THE WATER MAIN, DIRECTLY ABOVE IT, AND 6" BELOW GRADE. THE TAPE SHALL BE MINIMUM 2" WIDE, IMPRINTED WITH THE WORDS "CAUTION WATER MAIN BELOW", BLUE IN COLOR, AND BE CAPABLE OF BEING DETECTED WITH INDUCTIVE METHODS. LINEGUARD TYPE III DETECTABLE TAPE, MANUFACTURED BY LINEGUARD, INC. OF WHEATON, ILLINOIS OR APPROVED EQUAL.
5. BEFORE ANY EXCAVATION IS PERFORMED, CONTRACTOR SHALL CALL "MISS UTILITY" (1-800-282-8555) 48 HOURS PRIOR TO EXCAVATION TO HAVE UNDERGROUND UTILITY CABLES LOCATED AND MARKED.
6. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT, LATEST EDITION, AND ALL RULES AND REGULATIONS THERETO.
7. ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
8. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION FOR POSSIBLE CONFLICT WITH NEW WORK.
9. THE CONTRACTOR SHALL VERIFY ALL EXISTING PIPE INVERTS AND LOCATIONS PRIOR TO CONNECTION WITH PROPOSED PIPING.
10. FINAL LOCATION OF ALL PIPING TO BE SUBJECT TO FIELD DETERMINATION BY THE ENGINEER.
11. THE CONTRACTOR SHALL PROVIDE FITTINGS AS SHOWN ON THE PLAN OR AS REQUIRED TO CONFORM TO FINAL LOCATION AND GRADE.
12. ALL PIPING FOR WHICH ELEVATIONS ARE NOT SHOWN SHALL HAVE 4' MIN. COVERAGE
14. PROVIDE BUTTRESSES AT ALL BENDS, TEES, CAPS, OR PLUGS FOR ALL PRESSURE LINES. EXCAVATION AGAINST WHICH BUTTRESSES WILL BEAR SHALL BE FIRM BEARING, FLAT AND AT PROPER ANGLE TO THE PIPE CONNECTION.
15. THE CONTRACTOR SHALL SUBMIT A DETAILED SEQUENCE OF CONSTRUCTION TO THE ENGINEER FOR APPROVAL TWO WEEKS PRIOR TO CONSTRUCTION.
16. THE WELL WATER SUPPLY CANNOT BE USED;
    a.) UNTIL ALL REQUIRED RAW WATER TESTING IS COMPLETED AND SAMPLING DATA IS SUBMITTED TO MDE.
    b.) UNTIL ANY CHANGES AND/OR ADDITIONS TO THE DESIGN, BASED ON THE RAW WATER DATA ARE SUBMITTED AND APPROVED.
    c.) UNTIL A CERTIFICATE OF POTABILITY FOR THE SYSTEM IS ISSUED BY MDE/WATER SUPPLY PROGRAM.

DRAWING LIST

GENERAL
G-1 COVER SHEET

CIVIL
C-1 SITE PLAN
C-2 WELL HOUSE FLOOR PLAN – EQUIPMENT
C-3 DETAILS

ELECTRICAL
E-1 ELECTRICAL LEGEND, ABBREVIATIONS AND SCHEDULES
E-2 ELECTRICAL PLAN – SITE
E-3 ELECTRICAL PLAN – POWER AND LIGHTING
E-4 ELECTRICAL DETAIL – REMOTE TERMINAL UNIT (RTU)



VICINITY MAP

SCALE: 1" = 20 MILES

OWNER'S APPROVAL:

THIS PLAN HAS BEEN REVIEWED AND APPROVED BY THE TOWN OF DENTON.

DIRECTOR OF PUBLIC WORKS _____ DATE _____

PROFESSIONAL CERTIFICATION:

"I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 15031, EXPIRATION DATE: 8/12/12."

ENGINEER'S SIGNATURE _____ DATE _____

GMB
GEORGE, MILES & BUHR, LLC
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FEBRUARY 2012

PRINTS ISSUED FOR: CONSTRUCTION

NO.	REVISIONS	DATE

GMB
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TOWN OF DENTON
DENTON WELL NO.6

DENTON, MARYLAND

COVER SHEET

SCALE : AS NOTED	SHEET NO.
DESIGN BY : TR	G1
DRAWN BY : TR	
CHECKED BY: VAL,JAS	
GMB FILE : 2006271.A	
DATE : FEB 2012	

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PLOT CODE
PEN-BLACK 008 INCHES (.20mm)
PEN-BLUE 008 INCHES (.20mm)
PEN-MAGENTA 027 INCHES (.70mm)
PEN-RED 039 INCHES (1.00mm)
PEN-GREEN 010 INCHES (.25mm)
PEN-YELLOW 007 INCHES (.18mm)
PEN1-RED 005 INCHES (.13mm)