

# GENERAL WATER AND SEWER CONSTRUCTION NOTES

1. APPROVAL OF THIS PLAN SHALL NOT CONSTITUTE A COMMITMENT FOR SERVICE OR AN AUTHORIZATION TO BEGIN THE SITE UTILITY SYSTEM CONSTRUCTION. THE APPLICANT SHALL BE REQUIRED TO OBTAIN A DIG PERMIT FROM THE INSTALLATION PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
2. THE APPLICANT SHALL OBTAIN ALL NECESSARY PERMITS FROM ANY FEDERAL, STATE, AND/OR LOCAL PERMIT AUTHORITY HAVING JURISDICTION OVER ANY PHASE OF CONSTRUCTION ASSOCIATED WITH THE INSTALLATION OF THIS SITE UTILITY SYSTEM.
3. THE CONTRACTOR SHALL NOTIFY THE AMERICAN WATER UTILITY MANAGER AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
4. BACKFLOW PREVENTION DEVICES ARE REQUIRED ON ALL CONNECTIONS TO THE EXISTING WATER SYSTEM. BACKFLOW PREVENTERS INSTALLED INSIDE ANY BUILDING SHALL REMAIN UNDER THE OWNERSHIP AND MAINTENANCE RESPONSIBILITY OF THE GOVERNMENT UNLESS OTHERWISE NOTED.
5. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL AMERICAN WATER FACILITIES AND OTHER UTILITIES PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER AND AMERICAN WATER OF ANY DISCREPANCIES FOUND IN THE FIELD OR ON THE DRAWINGS PRIOR TO CONSTRUCTION. ANY DEVIATIONS FROM THE CONSTRUCTION PLANS SHALL NEED TO BE APPROVED IN WRITING BY AMERICAN WATER.
6. ALL WATER AND SANITARY SEWER CONSTRUCTION MATERIALS AND APPURTENANCES MUST ADHERE TO THE FULL REQUIREMENTS AS PUT FORTH IN AMERICAN WATER MILITARY SERVICES GROUP'S STANDARD SPECIFICATIONS FOR CONSTRUCTION OF WATER AND WASTEWATER FACILITIES, DESIGN GUIDE FOR WATER AND WASTEWATER FACILITIES, AND STANDARD CONSTRUCTION DETAILS.
7. A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE WHERE CONSTRUCTION IS TAKING PLACE, SHALL BE RESPONSIBLE FOR GENERAL OVERSIGHT AND OBSERVATION OF THE SITE UTILITY SYSTEM INSTALLATION FOR COMPLIANCE WITH AMERICAN WATER STANDARDS AND TESTING REQUIREMENTS.
8. THE FOLLOWING TESTS SHALL BE ADMINISTERED BY THE CONTRACTOR AND WITNESSED AND REPORTED BY THE APPLICANT'S ENGINEER OR AGENT:
  - > WATER - CHLORINE RESIDUAL
  - > WATER - HYDROSTATIC
  - > SEWER - MANDREL
  - > SEWER (GRAVITY) - AIR TEST
  - > SEWER (FM/ PRESSURE) - HYDROSTATIC
  - > SEWER (MANHOLE)- VACUUM TEST

ALL TESTING EQUIPMENT SHALL BE FURNISHED BY THE SITE UTILITY CONTRACTOR.
9. WATER CONNECTION - CONNECTION OF THE SITE UTILITY WATER SYSTEM TO THE EXISTING AMERICAN WATER WATER DISTRIBUTION SYSTEM IS PROHIBITED UNTIL THE CHLORINE RESIDUAL AND BACTERIOLOGICAL TESTS AS WELL AS THE REQUIRED HYDROSTATIC TESTS HAVE BEEN PERFORMED AND THE RESULTS REPORTED. THE APPLICANT SHALL SUBMIT THE TEST RESULTS TO THE AMERICAN WATER UTILITY MANAGER OR PROJECT ENGINEER FOR APPROVAL.
10. CONNECTION OF THE SITE UTILITY SEWER SYSTEM TO THE EXISTING AMERICAN WATER SANITARY SEWER SYSTEM IS PROHIBITED UNTIL ALL APPLICABLE TESTS HAVE BEEN PERFORMED AND SATISFACTORY RESULTS VERIFIED, AND THE RESULTS FOUND TO COMPLY WITH ALL AW REQUIREMENTS. THE APPLICANT SHALL SUBMIT REPORTS TO THE AMERICAN WATER UTILITY MANAGER OR PROJECT ENGINEER.
11. SHOP DRAWINGS SHALL BE SUBMITTED TO AW FOR REVIEW AND APPROVAL PRIOR TO ANY CONSTRUCTION.
12. ELECTRONIC FINAL AS-BUILT DRAWINGS PREPARED BY A REGISTERED PROFESSIONAL ENGINEER, COMPATIBLE WITH AMERICAN WATER'S GIS SYSTEM, SHALL BE SUBMITTED TO AMERICAN WATER. THE AS-BUILT DRAWING SHALL REFLECT ANY FIELD CHANGES AND INDICATE "TIES" FOR THE LOCATION OF VALVES, BENDS, MANHOLES, FIRE HYDRANTS, APPURTENANCES, ETC.
13. THE CONTRACTOR SHALL NOT OPERATE ANY VALVES LOCATED ON THE EXISTING DISTRIBUTION SYSTEM. REQUESTS TO OPERATE VALVES MUST BE SUBMITTED TO THE AMERICAN WATER UTILITY MANAGER 48 HOURS IN ADVANCE.
14. ALL MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
15. WHEN A WATER MAIN AND A SEWER LINE ARE IN A PARALLEL ALIGNMENT, THE WATER MAIN SHALL NOT BE INSTALLED WITHIN TEN FEET (10') OF THE SEWER LINE. WHEN A WATER MAIN AND SEWER LINE ARE IN A PERPENDICULAR CROSSING ALIGNMENT, THE WATER MAIN SHALL NOT BE INSTALLED WITHIN TWO FEET (2') OF THE SEWER LINE AND NO WATER MAIN JOINTS SHALL BE ALLOWED WITHIN TEN FEET (10') OF THE SEWER LINE. SEPARATION DISTANCES MEASURED EDGE-TO-EDGE. IF REQUIRED CLEARANCES CAN NOT BE MAINTAINED, CONCRETE ENCASEMENT SHALL BE REQUIRED,
16. SCHEDULE 40 AND SCHEDULE 80 PVC PIPE ARE NOT PERMITTED UNDER ANY CIRCUMSTANCES.

REVISIONS
1/12 - MSG EDITS
7/14 - MSG EDITS
1/16 - MSG EDITS
1/18 - MSG EDITS

AMERICAN WATER MILITARY SERVICES GROUP CIVIL STANDARD WATER AND SEWER CONSTRUCTION NOTES	
AMERICAN WATER MILITARY SERVICES GROUP MT LAUREL, NJ 08054	
AMERICAN WATER M.S.G. 350 FELLOWSHIP ROAD MT LAUREL, NJ 08054	
DRAWN BY Z. ALAM PROJECT ENG'R PDK APPROVED	DATE 04-30-2010 PROJECT N/A USE DIMENSIONS ONLY SCALE N.T.S.
USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES	MSG-ST-01

FINAL

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