

# WATER SUPPLY SYSTEM NOTES

- WATER SUPPLY SYSTEM COMPONENTS SHALL NOT BE PLACED IN OPERATION UNTIL AN "APPROVAL TO OPERATE" HAS BEEN ISSUED BY THE MUNICIPALITY WATER AUTHORITY.
- THERE SHALL BE NO CHANGES ON THESE PLANS IN ADVANCE OF OR DURING CONSTRUCTION, WITHOUT PROPER APPROVAL OF THE DESIGN ENGINEER AND THE NEW YORK STATE DEPARTMENT OF HEALTH.
- WATER SUPPLY SYSTEM SHALL CONFORM TO THE FOLLOWING:
  - RECOMMENDED STANDARDS FOR WATER WORKS ADOPTED BY THE GREAT LAKES-UPPER MISSISSIPPI RIVER BOARD OF STATE SANITARY ENGINEERS (NEW YORK STATE DEPARTMENT OF HEALTH BULLETIN NO. 42)
  - RECOMMENDED WATER SYSTEM STANDARDS OF THE INSURANCE SERVICES OFFICE OF NEW YORK MUNICIPAL WATER AUTHORITY REGULATIONS
  - NEW YORK STATE DEPARTMENT OF HEALTH PUBLICATIONS)
    - RURAL WATER SUPPLY
    - RECOMMENDED STANDARDS FOR WATER WORKS.
- A LICENSED PROFESSIONAL ENGINEER SHALL SUPERVISE CONSTRUCTION IN ACCORDANCE WITH THE APPROVED PLAN AND SUPPLEMENTAL DATA. HE SHALL THEN CERTIFY THE CONSTRUCTION, IN WRITING, AND FURNISH "AS BUILT" PLANS.
- ALL PROPOSED WATER MAINS AND APPURTENANCES SHALL CONFORM TO THE REQUIREMENTS OF THE MUNICIPALITY WATER AUTHORITY.
- ALL PROPOSED WATER MAINS AND SERVICES CONSTRUCTION SHALL CONFORM TO THE NEW YORK STATE DEPARTMENT OF HEALTH REGULATIONS AND REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT OF THE PROPOSED WORK. THE LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL FURNISH SHOP DRAWINGS FOR ALL PROPOSED IMPROVEMENTS TO THE ENGINEER FOR APPROVAL PRIOR TO THE BEGINNING OF CONSTRUCTION.
- THE ENGINEER SHALL BE NOTIFIED IN WRITING BY THE CONTRACTOR OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE PROPOSED WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL RESTORE PAVEMENT, LAWNS, DRIVEWAYS, CURBWAYS, SIGNS AND OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO AT LEAST AS GOOD A CONDITION AS BEFORE BEING DISTURBED AS DETERMINED BY THE ENGINEER. ANY DAMAGED TREES, SHRUBS, AND/OR HEDGES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE MUNICIPALITY AUTHORITY REQUIREMENTS.
- THE CONTRACTOR SHALL COMPLY WITH ALL O.S.A. AND OTHER STATE AND LOCAL SAFETY REQUIREMENTS DURING CONSTRUCTION.

# SANITARY SEWER SYSTEM NOTES

- DESIGN, CONSTRUCTION, MATERIAL STANDARDS, MINIMUM SEPARATION DISTANCES, AND INSPECTION REQUIREMENTS SHALL COMPLY WITH:
  - MUNICIPAL SEWER DEPARTMENT
  - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION REQUIREMENTS
  - APPROVED PLANS
  - APPROVED ENGINEERING REPORT(S)
- A LICENSED PROFESSIONAL ENGINEER SHALL SUPERVISE CONSTRUCTION IN ACCORDANCE WITH THE APPROVED PLAN AND SUPPLEMENTAL DATA. HE SHALL THEN CERTIFY THE CONSTRUCTION, IN WRITING, AND FURNISH "AS BUILT" PLANS.
- ALL PROPOSED SANITARY SEWER SYSTEM COMPONENTS SHALL CONFORM TO THE MUNICIPAL SEWER DEPARTMENT'S SPECIFICATIONS AND REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT OF THE PROPOSED WORK. THE LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL FURNISH SHOP DRAWINGS FOR ALL PROPOSED IMPROVEMENTS TO THE ENGINEER FOR APPROVAL PRIOR TO THE BEGINNING OF CONSTRUCTION.
- THE ENGINEER SHALL BE NOTIFIED IN WRITING BY THE CONTRACTOR OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE PROPOSED WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL OF THE ENGINEER.
- SEWER MAIN AND WATER MAIN SEPARATION WHERE POSSIBLE, SEWERS SHALL BE LAID AT LEAST 10' HORIZONTAL DISTANCE FROM ANY EXISTING OR PROPOSED WATER MAIN. VERTICAL SEPARATION SHALL BE MAINTAINED TO PROVIDE 18" BETWEEN TOP OF SEWER AND INLET OF WATER MAIN AT UTILITY CROSSINGS, WHERE SEPARATION IS NOT POSSIBLE, SEE SEWER MAIN AND WATER MAIN SEPARATION DETAILS, THIS SHEET.
- MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND MUNICIPAL REQUIREMENTS.
- THE CONTRACTOR SHALL COMPLY WITH ALL O.S.A. AND OTHER STATE AND LOCAL SAFETY REQUIREMENTS DURING CONSTRUCTION.
- ALL EXCAVATIONS SHALL BE KEPT DRY AND DEWATERED AT ALL TIMES DURING CONSTRUCTION.
- ALL EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES SHALL BE MAINTAINED DURING CONSTRUCTION BY THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
- EACH RUN OF CONSTRUCTED SEWER SHALL BE SUBJECT TO AN INFILTRATION/FILTRATION TEST FOR LEAKAGE. THE MAXIMUM ALLOWABLE LEAKAGE SHALL BE 200 GALLONS PER INCH IN DIAMETER PER MILE OF SEWER PER DAY ON GRAVITY LINES.
- THE CONTRACTOR SHALL FERTILIZE, SEED AND MULCH ALL DISTURBED VEGETATED AREAS UNLESS OTHERWISE NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- SANITARY SEWER PIPING SHALL CONFORM TO THE FOLLOWING SCHEDULE:
  - UP TO 12" DEPTH: PVC SDR 35 ASTM D-3034
  - 12" - 18" DEPTH: PVC SDR 26 ASTM D-3024
  - 18" - 36" DEPTH: PVC SDR 11 ASTM D-2241
  - GREATER THAN 36" DEPTH: DUCTILE IRON
- SANITARY SEWER MANHOLES SHALL CONFORM TO THE FOLLOWING SCHEDULE:
  - UP TO 12" DEPTH: 4' - 0" MIN. DIAMETER

