SPECIAL NOTES

Should anything be omitted from the plans which is necessary for a complete understanding of the work, or should any error appear in the various instruments furnished or in the work by other Contractors affecting the work covered hereby, the Contractor shall and will promptly notify the Engineer, and in the event of the Contractors failure to do so, he shall and will make good any damage or defect in his work caused thereby.

GENERAL NOTES

1. All grades set in the field to be completed by a New York State Licensed Land Surveyor.

2. Topographic survey, as shown by Paul E. Hite, L.L.S., Delmar, NY.

3. Contractor shall and will verify the location of all underground utilities prior to the start of construction. Any underground utilities shown in their relative positions are for information only. Their exact location shall be checked at the site before construction begins.

4. Contractor shall maintain all above ground and underground utilities unless otherwise noted on the drawings or as directed by Engineer. In the event it is necessary to remove or relocate an existing utility service, the Contractor shall coordinate all work with the utility having jurisdiction.

5. All disturbed lawn areas shall be covered with topsoil to a minimum depth of 4" after compaction and seeded, fertilized and hay mulched. These areas are to be maintained by the Contractor until such time as a healthy strand of grass appears.

6. All disturbed and/or damaged trees, bushes and ornamental flowers shall be replaced at Contractor's expense according to the following, unless otherwise noted and/or directed by Engineer:

   a) Identical species
   b) Approximate same maturity
   c) Approximate same height
   d) Approximate same trunk base diameter

   At Contractor's option, removed trees, bushes and ornamental flowers shall be healed in and replanted in as good a condition as they were before their removal.

7. Posts, signs, pedestrian crossing signs, etc. shall be protected or removed, stored and replaced and/or relocated as directed. Damaged items shall be replaced at the Contractor's expense.

8. All asphalt paving is to be overlapped and rolled; seam lines shall be eliminated.

9. Water valve boxes, existing structure rims, new structure rims, etc., shall be adjusted to conform to new finished pavement grades unless otherwise noted and/or directed by Engineer.

10. Contractor shall notify the "underground Facility Protective Organization" (Phone No. 1-800-962-7962) no less than 5 working days prior to the start of construction.

11. Contractor shall adhere to State of New York and Town of Bethlehem construction requirements and procedures.

12. All disturbed and/or damaged asphaltic paving shall be replaced on 12" compacted R.O.B. gravel, thence placing 2 1/2" base binder and thence placing 1" top course. All asphalt is to be compacted to consolidation. Existing asphalt shall be cut in a true line by saw cutting, and all exposed asphalt edges shall be tack coated prior to placement of new asphalt. In State right-of-way, pavement thickness shall be matched.

13. All required permits shall be obtained by the Contractor.

The lump sum bid shall include all excavation of the trench to pipe subgrade, all bedding, installation of pipe, backfills, tamping and water ramming of fill materials, all disposal of surplus material, all sheeting and bracing, all pumping and draining, all labor and materials for the complete construction of the water main as shown on the drawings. It shall include cleaning the water main, cleaning the line of trench and any other incidental work.

SPECIFICATIONS

Water mains and appurtenances, will be installed as shown on the approved plan. Work will be performed meeting the following brief specifications:

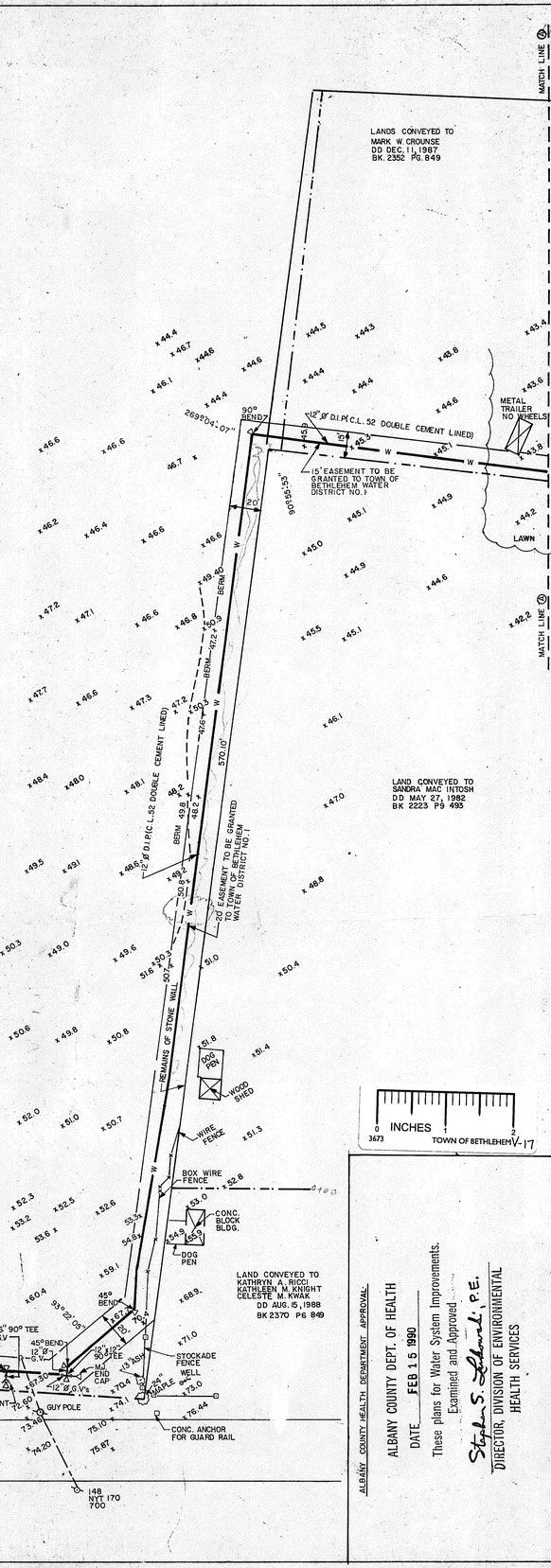
1. The system will be constructed of cement lined ductile iron pipe conforming to current A.W.W.A. Specifications.

2. All hydrants will have a valve opening not less than five inches in size, installed at the end of a 6 inch ductile iron, valved branch.

3. Valves will be double gate or resilient wedge valves in conformance with current A.W.W.A. Specifications.

4. Mains will, in general, be installed at a depth of not less than 5 feet from surface to top of pipe, and will be tested and disinfected in accordance with A.W.W.A. and Town of Bethlehem Specifications, including submitting results of laboratory testing.

5. All work will be performed in accordance with modern construction methods.



ALBANY COUNTY HEALTH DEPARTMENT APPROVAL:

ALBANY COUNTY DEPT. OF HEALTH
DATE FEB 15 1990
These plans for Water System Improvements.
Examined and Approved
Stephen S. Edwards, P.E.
DIRECTOR, DIVISION OF ENVIRONMENTAL HEALTH SERVICES

PROJECT: LOWER WEMPLE RD. WATER EXTENSION
TOWN OF BETHLEHEM

CLIENT: TRI-CITIES LABORERS TRAINING FACILITY

date: DEC. 12, 1989
scale: 1" = 40'
designed by: T.N.R.
drawn by: V.F.M.
chk'd: E.J.K. & T.N.R.

NO.	REVISION	DATE	BY

EDWARD J. KEEGAN ASSOCIATES, P.C.
PROFESSIONAL ENGINEERS & PLANNERS
DIETER SCHUYLER BUILDING
600 BROADWAY, ALBANY, NEW YORK 12207 (518) 463-3488

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