

# CONSTRUCTION PLANS FOR

## PAUL'S FIRST ADDITION TO THE TOWN OF PENDLETON LIFT STATION AND FORCE MAIN



### GENERAL NOTES:

All sanitary sewer construction on this project may be of P.V.C. sewer pipe conforming to A.S.T.M. Specification C-700-71T. At owner's option Type P. S.M. polyvinylchloride sewer pipe and fittings Type 1, Grade conforming to A.S.T.M. Specification D-3033 and D-3034 or Acrylonitrile-Butadiene-Styrene (ABS) sewer pipe conforming to A.S.T.M. D-2680-79A may be substituted. Joints in all pipe shall conform to A.S.T.M. Specification C-425-71. All subsequent A.S.T.M. revisions shall apply.

All sanitary sewer lines upon completion will be required to pass a low pressure air test, unless otherwise directed by the City Engineer. Said test shall be conducted according to NCPI Standard Method, and shall be witnessed by the City Inspector. Infiltration under test shall not exceed 200 gallons per inch of inside diameter of sewer pipe per mile of sewer in 24 hours and inclusive of all appurtenances within the section being tested such as manholes, house connections, etc.

All pipe or drainage structures in trenches under paved surfaces and 10 feet beyond shall be backfilled with granular material and compacted by approved methods.

No roof drains, footing drains and / or surface water drains may be connected to the sanitary sewer system, including temporary connections during construction.

Sewers crossing mains shall be laid to provide minimum distance of 18 inches between the outside of the water main and the outside of the sewer. This shall be the case where the water main is either above or below the sewer. The crossing shall be arranged so that the sewer joints will be equidistant and as far as possible from the water main joints. Where a water main crosses under a sewer, adequate structural support shall be provided for the sewer to prevent damage to the water main. When it is impossible to obtain proper horizontal and vertical separation as stipulated above, the sewer shall be designed and constructed equal to water pipe and shall be pressure tested to assure watertightness prior to backfilling.

A temporary seeding mixture in the areas where stripping of fills have been graded shall be seeded for silt and erosion protection. After grading all construction areas are to be seeded as follows:

A. Swale seeding - seed and fertilize within construction limits with 5#/acre "Redtop" grass, 20#/acre "Rye Grass", 20#/acre "Blue Grass", 25#/acre "Tall Fescue" grass, and 600#/acre 12-12-12 fertilizer.

B. Cut/Fill Seeding Along Paved Areas - seed and fertilize with 25#/acre "Tall Fescue" grass, 20#/acre "Rye Grass", 15#/acre "Blue Grass" and 600#/acre 12-12-12 fertilizer.

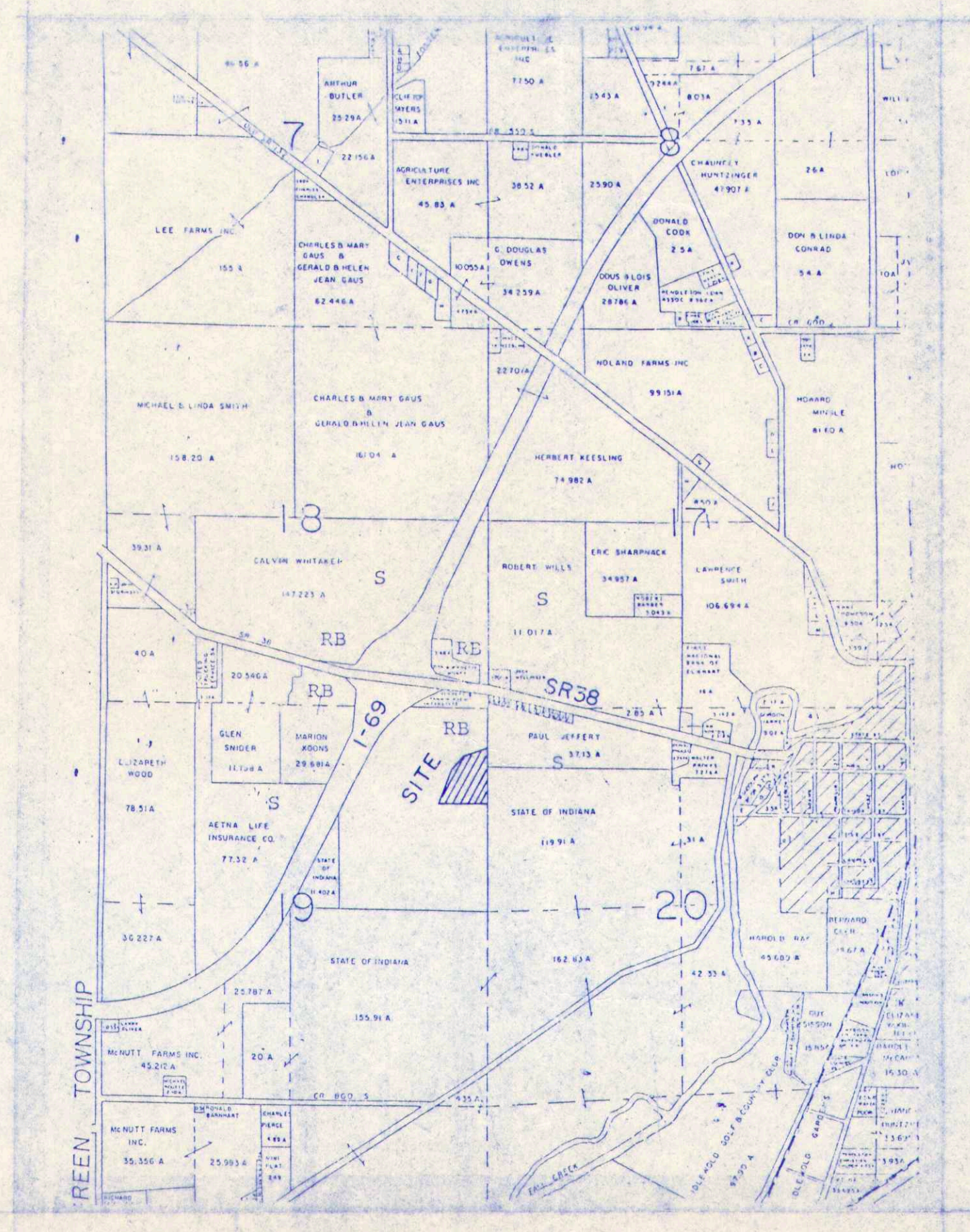
It shall be the responsibility of each contractor to verify all existing utilities and conditions pertaining to his phase of the work. It shall also be the contractors responsibility to contact the owners of the various utilities before work is started. The contractor shall notify in writing the owners and/or the engineers of any changes, errors, or omissions found on these plans or in the field before work is started or resumed.

Horizontal separation between water mains and sanitary sewers shall maintain ten (10) feet.

All Construction shall be in accordance with the Standard Specifications of the Town of Pendleton.

Erosion Control measures shall be implemented during all phases of construction and permanent control measures at completion of construction. At completion of construction all disturbed areas shall be replaced to that of existing conditions or better.

The Contractor shall be responsible for obtaining all State, City and County permits



SITE LOCATION

INDEX	
SHEET #	DESCRIPTION
1	TITLE SHEET
2	ON SITE FORCE MAIN
3-6	OFF SITE FORCE MAIN
7	LIFT STATION DETAILS
8	LIFT STATION SPECIFICATIONS

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