

I. GENERAL CONDITIONS

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- ## II. CLEARING AND GRUBBING

- ### III. TREE REMOVAL AND PROTECTION

- IV. STRIPPING OF TOPSOIL

- ## V. GRADING

- VI SANITARY SEWER CONSTRUCTION

- S. Pipe shall be laid in open trenches, except when conditions require and the appropriate approving agencies give written permission for tunneling or jacking of pipe.
- T. Trench shall be opened sufficiently ahead of pipe laying to reveal obstructions, and shall be properly protected and/or barricaded when left unattended.
- U. Contractor shall be responsible for sheeting and bracing of trenches as necessary to protect workmen and adjacent structures. All trenching shall be done in accordance with O.S.H.A. standards to protect workmen.
- V. Manhole inverts shall be shaped for flow channels with concrete and smoothly finished by a semi-circular section conforming to the inside diameter of the connecting sewers. Changes in size and grade shall be made by smooth true curves for all connecting sewers at each manhole.
- W. Granular backfill shall be required under all pavement areas and within 3 feet of the edge of pavement, plus a distance of one-half the depth.

- A. The Contractor shall provide adequate erosion protection measures during construction.
 1. Construction operations conducted on private or town-owned property shall be neatly finish graded and sodded with Owner approved material.

VIII. STORM SEWER CONNECTION

- E. Manholes, catchbasins, and inlets may be precast concrete, brick or block.
- F. Precast concrete and steel for manholes and inlets shall be in accordance with A.S.T.M. C-478.
- G. Castings shall be as shown on the Structure Data Table for manufacturer, type, and model number.
- H. Granular backfill shall be required for all crossings under pavement areas.

IX. UTILITIES

- B Electric and Telephone

- X. GRANULAR BACKFILL

Shall be in accordance with I.D.O.H. Standard Specifications.

Y1 PAVEMENT CONSTRUCTION

- A. All street construction shall be in accordance with the plans and specifications and conform to the minimum standards of the Town of Pendleton Specifications.
- B. Subgrade shall be prepared in compliance with Section 207.02 of the I.D.O.H. standard specifications. No traffic shall be permitted on the prepared subgrade prior to paving.
- C. Backfilling of utility trenches with granular material under pavement areas is required and shall conform to Town of Pendleton Specifications.
- D. Contractor shall notify the Town of Pendleton Building Commissioner, forty-eight hours prior to commencement of street construction with any existing or proposed right-of-way.

Y.II CONCRETE CURB AND WALKS

- A. See Detail Sheet for type and details. Curbs and walks within existing or proposed right-of-way shall be constructed in accordance with Town of Pendleton Specifications.
- B. Concrete shall be ready mixed Portland cement conforming to A.S.T.M. C-150, and water. Aggregate shall conform to S.T.M. C-33. Compressive strength of concrete at 28 days shall be 4000 p.s.i. Where required, reinforcement shall be welded steel wire fabric conforming to A.S.T.M. A-185.
- C. Application
 1. Place concrete only on a moist, compacted subgrade or base free from loose material. Place no concrete on muddy or frozen subgrade.
 2. Concrete shall be deposited so as to require as little rehandling as practical. When concrete is to be placed at an atmospheric temperature of 35°F. or less, Paragraph 702.10 of the I.D.O.H. Specifications, 1988 edition, shall apply.
 3. Except as otherwise specified, cure all concrete by one of the methods described in Section 501.17 of the I.D.O.H. Specifications, 1988 edition.

XIII. FINISH GRADING AND SODDING (Owner shall designate location if required.)

- XIV. TIME MODIFIED SOIL (Developer shall designate location if required.)

- Note: the Contractor shall receive approval from the Engineer for any changes to the plans or specifications.

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