

GENERAL CONSTRUCTION

1. All construction work shall be done in accordance with the current version of the Idaho Standards for Public Works Construction (ISPWC), the City of Meridian Supplemental Specifications to the ISPWC, the requirements of the Ada County Highway District (ACHD) and/or the requirements of the Idaho Transportation Department (ITD). The more stringent of any of these standards shall be the controlling standards or specifications.
2. All Contractors, Subcontractors and Utility Contractors shall attend a pre-construction conference (or an on-site meeting with the City of Meridian Project Inspector) prior to start of work.
3. Contractors shall notify the appropriate agency when materials are on site or inspection of the work is required. No work may begin on any project without Twenty Four (24) hour prior notice.
4. All material furnished on, or for the project must meet the minimum requirements of the approving agencies. At the request of the approving agency or the Design Engineer, Contractors shall furnish proof that all materials installed on this project meet the specification requirements set forth in General Construction Note No. 1.
5. Work subject to approval by any governmental agency must be approved prior to (A) backfilling trenches for pipe; (B) placing of aggregate base; (C) placing of concrete; (D) placing of asphalt paving.
6. Inspection, approval and final acceptance of all water and sewer construction shall be by the Public Works Department, and their decision shall be final. Such inspections shall not relieve the contractor from the responsibility of performing the work in an acceptable manner in accordance with the DEQ/QLPE approved construction plans.
7. Any deviation from the approved plans and specifications must have the applicable agency approval in writing prior to construction.
8. Prior to beginning installation of street lights, the electrical contractor shall obtain an Electrical Permit from the Building Division of the Meridian Public Works Department. Any deviation in street light locations from the approved plans must be approved in writing from the City Engineer.

ROADWAY

1. All Contractors working within the public road right-of-way are required to secure a right-of-way construction permit from ACHD or ITD at least twenty-four (24) hours prior to any construction.
2. ACHD or ITD will inspect all work within the public rights-of-way to include utility trenches above the pipe zone.
3. Meridian Public Works will inspect storm drainage improvements serving private roads and parking lot improvements outside the public right-of-way.

WATER

1. Construction of the water system shall conform to the standards in the "Idaho Rules for Public Drinking Water Systems (IDAPA 58.01.08)" as well as the standards and specifications referred to in General Construction Note No. 1.
2. The horizontal separation of potable water mains and non-potable water mains (sanitary sewer, storm drain, and irrigation) shall be a minimum of ten (10) feet. Where it is necessary for a potable water main and non-potable water main to cross with less than eighteen (18) inches of vertical separation, the crossing shall be constructed in accordance with Section 542.07 of the Idaho Rules for Public Drinking Water Systems (IDAPA 58.01.08) and Section 430.02 of the Wastewater Rules (IDAPA 58.01.16).
3. The horizontal separation of non-potable services and potable water services or potable water mains shall be a minimum of six (6) feet. Where it is necessary for a potable water main and non-potable water main to cross with less than eighteen (18) inches of vertical separation, the crossing shall be constructed in accordance with Section 542.07 of the Idaho Rules for Public Drinking Water Systems (IDAPA 58.01.08) and Section 430.02 of the Wastewater Rules (IDAPA 58.01.16).
4. Place water service lines in a two (2) inch diameter pipe wherever the service line crosses a storm water treatment facility (i.e. seepage beds, drainage swales). The pipe material used for sleeving must be impervious to contamination from petroleum products and must be approved by the Idaho Department of Environmental Quality.
5. The Contractor shall be responsible for providing continuous water service to all existing water users affected by construction.
6. All water works components shall be ANSI/NSF 61 Certified, and must meet all AWWA and standard requirements of the Idaho Rules for Public Drinking Water Systems (IDAPA 58.01.08).

SEWER

1. Construction of the sewer system shall conform to the standards in the Wastewater Rules (IDAPA 58.01.16) as well as the standards and specifications referred to in General Construction Note No. 1.
2. The horizontal separation of potable water mains and non-potable water mains (sanitary sewer, storm drain, and irrigation) shall be a minimum of ten (10) feet. Where it is necessary for a potable water main and non-potable water main to cross with less than eighteen (18) inches of vertical separation, the crossing shall be constructed in accordance with Section 542.07 of the Idaho Rules for Public Drinking Water Systems (IDAPA 58.01.08) and Section 430.02 of the Wastewater Rules (IDAPA 58.01.16).
3. The horizontal separation of non-potable services and potable water services or potable water mains shall be a minimum of six (6) feet. Where it is necessary for a potable water main and non-potable water main to cross with less than eighteen (18) inches of vertical separation, the crossing shall be constructed in accordance with Section 542.07 of the Idaho Rules for Public Drinking Water Systems (IDAPA 58.01.08) and Section 430.02 of the Wastewater Rules (IDAPA 58.01.16).
4. Place sewer service lines in a six (6) inch diameter water class pipe wherever the service line crosses a stormwater treatment facility (i.e., seepage beds, drainage swales).
5. When cover over a sewer pipe is less than three (3) feet from top of pipe to subgrade or top of pipe to natural ground, use "Class 200 water pressure pipe", ASTM D 2241, SDR 21, including service lines and fittings.
6. The Contractor shall conduct an air pressure test and television inspection after all underground utilities have been installed. The Contractor shall provide a videotape of the inspection prior to final acceptance of the sewer.

PRESSURIZED IRRIGATION

1. Install all crossings of the Public Rights-of-Way, private roadways and travelways with pressure irrigation at a maximum depth of two-and one-half (2-1/2) feet and in an AWWA C-900 pipe sleeve with locator wire. The Public Works Department and ACHD shall inspect all crossings prior to backfilling.
2. The horizontal separation of potable water mains and non-potable water mains (sanitary sewer, storm drain, and irrigation) shall be a minimum of ten (10) feet. Where it is necessary for a potable water main and non-potable water main to cross with less than eighteen (18) inches of vertical separation, the crossing shall be constructed in accordance with Section 542.07 of the Idaho Rules for Public Drinking Water Systems (IDAPA 58.01.08) and Section 430.02 of the Wastewater Rules (IDAPA 58.01.16).
3. The horizontal separation of non-potable services and potable water services or potable water mains shall be a minimum of six (6) feet. Where it is necessary for a potable water main and non-potable water main to cross with less than eighteen (18) inches of vertical separation, the crossing shall be constructed in accordance with Section 542.07 of the Idaho Rules for Public Drinking Water Systems (IDAPA 58.01.08) and Section 430.02 of the Wastewater Rules (IDAPA 58.01.16).
4. Install finder tape with all irrigation mains. Tape shall be two (2) inches wide, metallic red in color, with the words **DANGER -UNSAFE WATER** or **NON-POTABLE WATER** clearly marked along its length. Place the tape between six (6) inches below the surface and eighteen (18) inches above the top of the pipe.
5. Label all irrigation risers and faucets with durable tags carrying the warning **DANGER-UNSAFE WATER** or **NON-POTABLE WATER**.
6. Label all valve boxes and vaults with durable tags carrying the warning **DANGER-UNSAFE WATER** or **NON-POTABLE WATER**. The valves and boxes are to be located a minimum of ten (10) feet outside of the Public Right-of-Way, private roadways and travelways.
7. Install a reduced pressure backflow preventer in any connection between the potable water system and the pressure irrigation system. The device must be approved by the Idaho Department of Environmental Quality (DEQ) and the City of Meridian Water Department.
8. The Public Works Department shall inspect all pressurized irrigation unless a properly executed agreement for inspection and maintenance is in effect with the applicable Irrigation District. Forty-eight (48) hours advance notice is required.

CLASS “A” MUNICIPAL WASTEWATER RECLAMATION AND REUSE

1. Construction of the Class A effluent distribution system shall conform to the standards in the Idaho Rules for the Reclamation and Reuse of Municipal and Industrial Wastewater (IDAPA 58.01.17), Wastewater Rules (IDAPA 58.01.16), Recommended Standards for Wastewater Facilities – Great Lakes – Upper Mississippi River Board of Sanitary Engineers (10 States Standards), AWWA manual M24 – Chapter 24 as well as the standards and specifications referred to in General Construction Note No. 1.
2. The horizontal separation of Class A effluent distribution mains and potable water mains shall be a minimum of ten (10) feet in accordance with IDAPA 58.01.08, “Idaho Rules for Public Drinking Water Systems,” Subsection 542.07. Where it is necessary for a Class A effluent distribution main and potable water main to cross, a minimum of eighteen (18) inches of vertical separation shall be maintained and the Class A effluent distribution main shall be encased in a continuous pipe sleeve to a distance on each side of the crossing equal to ten (10) feet., in accordance with IDAPA 58.01.17.601.02, “Rules for the Reclamation and Reuse of Municipal and Industrial Wastewater”. Class A effluent distribution mains installed parallel to non-potable water mains (sanitary sewer, storm drain and irrigation) shall be installed at least five (5) feet horizontally from the non-potable main if the non-potable main is located above the Class A effluent main and three (3) feet horizontally from the non-potable main if the non-potable main is located below the Class A effluent main
3. The horizontal separation of Class A effluent distribution services and potable water services or potable water mains shall be a minimum of six (6) feet. Where it is necessary for a Class A effluent distribution service and a potable water main to cross a minimum of eighteen (18) inches of vertical separation shall be maintained, and the crossing shall be constructed in accordance with Section 542.07 of the Idaho Rules for Public Drinking Water Systems (IDAPA 58.01.08) and Section 430.02 of the Wastewater Rules (IDAPA 58.01.16).
4. All Class A effluent pipe (including service lines) shall be PVC C-900 or C905, DR18. All piping, pumps, valves, and other appurtenances, shall consistently be color coded (purple, Pantone 512) and marked to differentiate Class A effluent facilities from potable water facilities.
5. Finder tape may be required with any Class A effluent distribution mains. Tape shall be three (3) inches wide, with the words **CAUTION – RECLAIMED WASTEWATER – DO NOT DRINK** clearly marked every ten (10) feet along its length. The lettering shall be white or black on a purple field, Pantone 512 or equal and be written in both English and Spanish. Place the tape eighteen (18) inches above the top of the pipe.
6. All Class A effluent distribution system valve boxes and vaults shall have locking covers that are non-interchangeable with potable water valve covers and shall have an inscription cast on the top surface stating **RECLAIMED WASTEWATER**.
7. Label all irrigation risers and faucets with durable tags carrying the warning **CAUTION – RECLAIMED WASTEWATER – DO NOT DRINK**.
8. Install a reduced pressure backflow preventer in any connection between the potable water system and the pressure irrigation system. The device must be approved by the Idaho Department of Environmental Quality (DEQ), the City of Meridian Water Department, and listed in the most current version of the *List of Approved Backflow Prevention Assemblies* Published by the Foundation for Cross-Connection Control and Hydraulic Research, University of Southern California (USC).
9. The Public Works Department shall inspect all Class A effluent distribution mains and/or services. Forty-eight (48) hours advance notice is required.

For Commercial Subdivisions or Commercial projects with Public Mains that have on-site drainage, add the following notes.

DRAINAGE

1. The Contractor shall have plans stamped "Approved for Construction" by City of Meridian Public Works Department on site at all times.
2. Any change from the plans shall be approved by the designer and the City of Meridian Public Works Department.
3. The Contractor shall contact the City of Meridian Public Works Department for inspection of all storm water facilities prior to the placement of filter fabric. Minimum 24-hour notice is required. Approval is contingent upon inspection.

Use one of the following notes depending on whether a Soils Report is submitted to Public Works:

Without a Soils or Geotechnical Report:

- 4a. The Contractor shall excavate a minimum of one test hole to determine if impermeable layers or groundwater exist within 4 feet of proposed bottom of drainage facility. Contact the Engineer for revised beds if either condition is found. Contact Meridian Public Works for inspection of test hole prior to backfill.

With a Soils or Geotechnical Report:

- 4b. Separation from the bottom of the drainage facility to seasonal high groundwater shall be a minimum of 3'. Contact Engineer for revised drainage facility design if bottom of facility is within 3' of seasonal high groundwater elevation. Re-designed facility shall be approved by the Public Works Department.