

020000 - TECHNICAL SPECIFICATIONS

The Technical Specifications governing this project shall be the WYOMING PUBLIC WORKS STANDARD SPECIFICATIONS, 2015 EDITION. Said STANDARD SPECIFICATIONS shall be in full force except as modified herein by the CITY OF LARAMIE SUPPLEMENTAL SPECIFICATIONS, UW CONSTRUCTION STANDARDS AND SPECIAL PROVISIONS.

Copies of the WYOMING PUBLIC WORKS STANDARD SPECIFICATIONS, 2001 EDITION may be purchased from the Wyoming Public Works Council, P.O. Box 32, Cheyenne, WY 28003, (307) 634-9440

NOTE: THE STANDARD SPECIFICATIONS HAVE NOT BEEN INCLUDED

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|-------|---|
| 02050 | Removal and Disposal of Structures and Obstructions |
| 02075 | Demolition Of Asphalt and Portland Cement Concrete |
| 02110 | Clearing and Grubbing |
| 02115 | Selective Clearing |
| 02150 | Shoring and Underpinning |
| 02190 | Aggregates |
| 02210 | Excavation and Embankment |
| 02220 | Trench Excavation |
| 02222 | Rock Excavation |
| 02225 | Trench Backfill |
| 02226 | Backfilling for Appurtenances |
| 02227 | Backfilling for Pavement |
| 02231 | Aggregate Sub-Base and Base Course |
| 02273 | Riprap |
| 02280 | Topsoil |
| 02290 | Watering |
| 02510 | Portland Cement Treated Mixtures |
| 02511 | Road Mix Bituminous Pavements |
| 02512 | Plant Mix Pavements |
| 02520 | Portland Cement Concrete Pavement |
| 02528 | Concrete Curbs and Combined Curbs and Gutters |
| 02545 | Bituminous Materials |
| 02550 | Prime Coat |

- 02551 Tack Coat
- 02552 Seal Coat
- 02553 Bituminous Surface Treatment
- 02570 Adjusting Street Fixtures
- 02645 Fire Hydrants
- 02665 Water Distribution and Transmission Systems
- 02670 Hydrostatic Testing
- 02675 Disinfection
- 02700 Sanitary Sewer Systems
- 02725 Storm Drains and Culverts
- 02776 Concrete Sidewalks, Driveway Approaches, Curb Turn Fillets, Valley Gutters and Miscellaneous New concrete Construction
- 02805 Relocate Street Signs, Utility Poles and Mailboxes
- 02895 Engineering Fabric

END OF SECTION

SECTION 020001 - SUPPLEMENTARY SPECIFICATIONS

These Supplementary Conditions amend or supplement the Standard Specifications and other provisions of the Contract Documents as indicated below. All provisions which are not so amended or supplemented remain in full force and effect. Supplementary Specifications are available on request from the City of Laramie Engineering Department.

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| SS02050 | Removal and Disposal of Structures and Obstructions |
| SS02110 | Clearing and Grubbing |
| SS02190 | Aggregates |
| SS02210 | Excavation and Embankment |
| SS02220 | Trench Excavation |
| SS02225 | Trench Backfill |
| SS02227 | Backfilling for Pavement |
| SS02231 | Aggregate Sub-Base and Base Course |
| SS02273 | Riprap |
| SS02280 | Topsoil |
| SS02290 | Watering |
| SS02510 | Portland Cement Treated Mixtures |
| SS02511 | Road Mix Bituminous Pavements |
| SS02512 | Plant Mix Pavements |
| SS02520 | Portland Cement Concrete Pavement |
| SS02528 | Concrete Curbs and Combined Curbs and Gutters |
| SS02545 | Bituminous Materials |
| SS02550 | Prime Coat |
| SS02551 | Tack Coat |
| SS02552 | Seal Coat |
| SS02553 | Bituminous Surface Treatment |
| SS02570 | Adjusting Street Fixtures |
| SS02645 | Fire Hydrants |
| SS02665 | Water Distribution and Transmission Systems |
| SS02670 | Hydrostatic Testing |
| SS02675 | Disinfection |

- SS02700 Sanitary Sewer Systems
- SS02725 Storm Drains and Culverts
- SS02776 Concrete Sidewalks, Driveway Approaches, Curb Turn Fillets, Valley Gutters and
Miscellaneous New concrete Construction
- SS02805 Relocate Street Signs, Utility Poles and Mailboxes
- SS02895 Engineering Fabric

END OF SECTION

SECTION 31 6329 - DRILLED CONCRETE PIERS AND SHAFTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Machine drilled shaft.

1.02 RELATED REQUIREMENTS

- A. Section 03 3000 - Cast-in-Place Concrete: Requirements for concrete and reinforcement.

1.03 REFERENCE STANDARDS

- A. ACI 336.1 - Standard Specification for the Construction of Drilled Piers; 2001.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Concrete Materials and Mix: Specified in Section 03 3000.
- B. Reinforcement: Specified in Section 03 3000.
- C. Equipment: Appropriate for dewatering excavated shaft.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Construct piers in accordance with ACI 336.1.
- B. Drill vertical pier shafts to diameters and depths indicated.
- C. Clean shaft and bottom of loose material. Maintain shafts free of water.
- D. Allow inspection of shaft prior to placement of reinforcement and concrete.
- E. Place concrete in single pour, in accordance with Section 03 3000 with equipment designed for vertical placement of concrete.
- F. Extend reinforcement for connection of caps.
- G. Set tops of piers to elevations indicated.

3.02 TOLERANCES

- A. Install piers with maximum variation from location, plumbness, bottom area, diameter, and anchorage locations as specified in ACI 336.1.

END OF SECTION