LARAMIE COUNTY COMMUNITY COLLEGE
ARENA WATER MAIN RECONSTRUCTION
CHEYENNE, WYOMING
JANUARY 12, 2017

SPECIFICATIONS AND GENERAL NOTES

1. All Civil, Site Work and Landscape shall be in accordance with the Civil Site Work Specifications and shall be performed by a professional civil engineer or an equivalent licensed firm. The civil engineer shall be responsible for the overall design and quality control of the work performed. The承包商 should be familiar with the plans and specifications and shall provide a certified copy of the plans and specifications to the City of Cheyenne for their records.

2. The City of Cheyenne reserves the right to make changes to the plans and specifications at any time during the course of the project. Any changes shall be documented in writing and signed by the City engineer or their representative.

3. Any variation from the plans and specifications shall be clearly noted and detailed on the plans and specifications.

4. The承包商 shall notify the City engineer in writing of any variations from the plans and specifications.

5. The承包商 shall be responsible for the overall design and quality control of the work performed. The承包商 shall provide a certified copy of the plans and specifications to the City of Cheyenne for their records.

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NOTES & DETAILS

*ALL AGGREGATES SHALL BE GRANITE UNLESS OTHERWISE APPROVED BY THE OWNER.

SCALES ARE NOT VALID.

CONCRETE SIDEWALK

SMALLER SET, IT HAS BEEN

(8'' MIN.) TO 95% DRY UNIT WEIGHT (ASTM D-698)

SECTION THIS SHEET. EXISTING GRAVEL IS THE PREFERRED TRENCH BACKFILL.

36" X 24". IF YOU HAVE A

SUBGRADE: MOISTURE CONDITION, AND RECOMPACT

GRADE ROADWAY CLEAR AFTER WATER INSTALLATION, AND PRIOR TO NEW GRAVEL SECTION PLACEMENT. REFER TO

FOR THIS PROJECT ARE

EXISTING GRAVEL ROAD SHALL NOT BE STRIPPED AND STOCKPILED. CONTRACTOR SHALL BE RESPONSIBLE TO

THE ORIGINAL DRAWINGS

4'' MIN. CRUSHED BASE GRADING 'W'

MATCH EXISTING DEPTH (5" MIN.)

ASPHALT PATCH

BE SEPARATED OUT FOR PAYMENT UNDER A DEWATERING ALLOWANCE PER THE SPECIAL PROVISIONS.

TRENCHES SHALL BE DEWATERED CONTINUOUSLY WHILE INSTALLATION IS IN PROGRESS. DEWATERING SHALL

MINIMUM PIPE LENGTH BETWEEN FITTINGS SHALL BE 18" FOR DUCTILE IRON AND 24" FOR PVC.

ALL NEW WATER VALVES INSTALLED IN ASPHALT PAVEMENTS OR LANDSCAPED AREAS SHALL INCLUDE

ALL REPLACEMENT WATER SERVICES LINES SHALL BE TYPE K COPPER AND SHALL BE NEW TAPS, SERVICE AND

COMPACTED TO FINISH GRADE WITH CONCRETE COLLAR AND SHALL BE CONSIDERED SUBSIDIARY TO OTHER

UNIT PIPE LENGTH BETWEEN FITTINGS SHALL BE 18" FOR DUCTILE IRON AND 24" FOR PVC.

THE CONTRACTOR SHALL INSTALL A TEMPORARY CORRELATION BLOCKOFF FOR PROPER TESTING AND CLEANING OF

THE WATER MAINS. THE CONTRACTOR SHALL LOCATE CONSTRUCTION CORRELATION BLOCKOFFS AND VALVE BOXES.

WATER MAIN SHALL BE AWWA C-900 PVC CLASS 305 OR AWWA C-909 CLASS 305 PVC. WATER PIPE FOR 6" FIRE

"CAUTION" EXISTING WATER MAIN PRESSURES IN THE 150 TO 175 PSI RANGE.

NEW 8-INCH WATER VALVES SHALL OPEN LEFT. NEW 6-INCH WATER VALVES FOR FIRE HYDRANT AND FIRE LINE

LATERALS SHALL OPEN RIGHT.

HYDRANT LINE REPLACEMENT LINES SHALL BE PVC WITH DIP FITTINGS.

WATER LINES SHALL BE PERFORMED AS TO MINIMIZE WATER DAMAGE TO THE PROJECT SUCH AS STREET

ROAD GRADE SURFACE AND SHALL BE CONSIDERED SUBSIDIARY TO OTHER BID ITEMS.

NEW YARD HYDRANTS SHALL BE BACKFLOW PROTECTED, FREEZELESS, AUTOMATIC DRAINING, HIGH PRESSURE

RATED, 1-INCH.

10' HORIZONTAL SEPARATION, AND 18" VERTICAL SEPARATION SHALL BE MAINTAINED FROM SEWER LINES PER THE

SPECIFICATIONS.

ALL MECHANICAL FITTINGS ARE TO BE RESTRAINED/MEGA LUGGED. JOINTS NEAR CRITICAL

COMPATIBILITY ISSUES TO BE RESOLUTION BY THE CONTRACTOR.

THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ANY EXISTING PIPE SPECIFIED FOR REMOVAL OR IN

THE CONTRACTOR SHALL INSTALL TEMPORARY CORPS & BLOWOFFS FOR PROPER TESTING AND FLUSHING OF

ADJUSTMENT TO FINISH GRADE WITH CONCRETE COLLAR AND SHALL BE CONSIDERED SUBSIDIARY TO OTHER

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4" BELOW FINAL

TO 95% DRY UNIT WEIGHT (ASTM D-698)

MOISTURE CONDITION, AND RECOMPACT

SUBGRADE TO EXTEND

TO 10' BELOW GRADE

SANITARY SEWER CONFLICT

10' MIN. ON BOTH SIDES OF

ENCASEMENT TO EXTEND

TO 10' BELOW GRADE

FIELD VERIFY EXISTING LATERAL

OR HYDRANT LEADER DEPTH

PRESSURE TESTING AND DISINFECTION FOR WATER SYSTEM TO BE PERFORMED PER THE SPECIFICATIONS

PROCEDURES, AND WITNESSED BY THE ENGINEER OR OWNERS REPRESENTATIVE. WRITTEN TEST REPORTS

THE CONTRACTOR SHALL PROVIDE TO THE OWNER FOR ALL TESTS BY THE CONTRACTOR. ALL TESTING SHALL BE

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