CONTRACTOR TO ADD ADDITIONAL SILT FENCE IF NEEDED IN AREAS THAT EXPERIENCE HEAVY EROSION WITH NEW SANITARY INSTALLATION.
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SEEDING NOTE:

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CLIENT:
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P.O. BOX 1045
CHEYENNE, WY 82001-1045

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JOHNSTOWN, CO 80534

PREPARED BY:
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SUITE 101
CHEYENNE, WYOMING 82009
307.637.6017
FAX 307.632.9326
WWW.AVIPC.COM

ENGINEER'S CERTIFICATE
WE HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY US OR
UNDER OUR DIRECT SUPERVISION AND THAT WE ARE A DULY
REGISTERED PROFESSIONAL ENGINEERS IN THE STATE OF WYOMING.

PROJECT SURVEY DATUM
HORIZONTAL DATUM: CITY OF CHEYENNE CONTROL NETWORK
VERTICAL DATUM: CITY OF CHEYENNE CONTROL NETWORK (NGVD29)

UTILITIES
NOT APPLICABLE

COUNTY ENGINEER
DATE APPROVED

BOARD OF PUBLIC UTILITIES
DATE APPROVED

CITY OF CHEYENNE FIRE DEPARTMENT
DATE APPROVED

NOT APPLICABLE

UTILITY PLANS FOR
CYS05 SANITARY SEWER PROJECT

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REVIEWED AND APPROVED PER CITY OF CHEYENNE STANDARDS, ORDINANCES, AND CITY CODES.

COUNTY ENGINEER
DATE APPROVED

BOARD OF PUBLIC UTILITIES
DATE APPROVED

CITY OF CHEYENNE FIRE DEPARTMENT
DATE APPROVED

NOT APPLICABLE

PROJECT EXTENTS

Vicinity Map - Cheyenne, Wyoming
BYPASS NOTES: CONTRACTOR SHALL INSTALL BYPASS SYSTEMS AS SHOWN.
TYPE 3 BEDDING REQUIRED WHERE THE SEWER MAIN IS IN EXCESS OF 18' DEEP. TYPE 3 BEDDING MATERIAL AROUND THE PIPE FROM SIX (6) INCHES UNDER THE PIPE TO TWELVE (12) INCHES OVER THE PIPE. SHALL MEET CLASS 1 REQUIREMENTS AS DESIGNATED BY ASTM D 2321, UNDERGROUND INSTALLATION OF FLEXIBLE THERMOPLASTIC SEWER PIPE. CLASS 1- ANGULAR, 1/4" TO 1-1/2" GRADED STONE OR AS RECOMMENDED FROM THE PIPE MANUFACTURER.
1. INSTALL PLASTI-FAB FLUME PER MANUFACTURER’S SPECIFICATIONS.
2. FLUME SHALL BE INSTALLED LEVEL END-TO-END AND SIDE-TO-SIDE BY USING A LEVEL ON THE FLOOR.
3. FLUME INVERT SHALL BE SET LEVEL WITH MANHOLE INLET.
4. A LONG FLARED INLET TRANSITION SHOULD BE MADE FROM THE INLET OF THE FLUME UPSTREAM TO THE INLET PIPE.
5. POWER AND COMMUNICATION CONDUITS TO BE PROVIDED TO MONITORING MANHOLE ENDING IN APPROPRIATE JUNCTION BOXES. THESE JUNCTION BOXES SHALL BE RATED FOR NEMA CLASS 1, DIVISION 1, GROUPS C & D HAZARDOUS ENVIRONMENTS.
6. SIEMENS HYDROFINDER OR ULTRASONIC LEVEL/FLOW TRANSMITTERS OR APPROVED EQUAL. THESE TRANSMITTERS TO HAVE A LOCAL DISPLAY SHOWING THE INSTANTANEOUS FLOW AND TOTALIZED FLOW.
7. FLOW SHALL BE TRANSMITTED TO SCADA SYSTEM VIA MOTOROLA RTU AT THE SHERARD WATER TREATMENT PLANT.
8. NEW RTU MOTOROLA ACE WITH UHF RADIO TO BE INSTALLED AT NEW FLUME.
9. SCADA SYSTEM TO BE UPDATED FOR NEW FLUME INCLUDING RTU FLOW SCREEN, COMM SCREEN, NAVIGATION SCREENS, DATA BASE, ALARMS, AND HISTORICAL COLLECTION.
10. AS-BUILT DRAWINGS MUST INCLUDE WIRING DIAGRAMS FOR NEW RTU PANEL AND FLOW TRANSMITTER, AS WELL AS UPDATED RADIO NETWORK MAPS SHOWING NEW RTU/LAND EQUIPMENT INFORMATION. OPERATION AND MAINTENANCE MANUAL FOR FLOW TRANSMITTER AND 200 ULTRASONIC LEVEL/FLOW TRANSMITTER SHALL BE PROVIDED. ALL SPECIAL SOFTWARE OR PROGRAMMING DEVICES FOR THE FLOW TRANSMITTER SHALL BE INCLUDED.
11. NOTED WORK MUST BE PERFORMED BY AN INTEGRATOR FAMILIAR WITH THE MOTOROLA SYSTEM, TIMBERLINE ELECTRIC (TLCQ) OR APPROVED EQUAL.

XL PLASTI-FAB FLUME
N.T.I.