

ADDENDUM ORDER #2

DATE: March 29th, 2010

BID DATE: April 2nd, 2010

NAME OF PROJECT: Town of Crested Butte Wastewater Treatment Facility Improvements

OWNER: Town of Crested Butte Colorado

ENGINEER: Schmueser Gordon Meyer Inc.

The following modifications/clarifications are made to the Contract Documents:

1. RAS Pump valving and controls:

- Additional clarification on the connection piping to RAS pump #2 (shown on revised sheet 00G007): Install approximately 15' of additional 6" pipe, one additional tee fitting, one additional cross fitting and one additional valve all per previously specified materials and types.

2. Splitter Box:

- In place of the new 15" tee, two new plug valves (14" and 18") and 18" X 15" reducer shown on the original drawing sheet 00C102 use a splitter box and additional 18" PVC pipe as shown on revised sheet 00C102 and attached detail drawing.
- Construct the Splitter Box as shown. The intent is for the flow out of the oxidation ditch to enter the center vault of the splitter box. Flow to either, or both, clarifiers will be controlled via weir gates as shown. The existing piping to the existing clarifier shall be modified as shown at the splitter box. Approximately 140' of new 18" PVC pipe to the new clarifier and two elbows will be installed from the splitter box directly adjacent to the existing 15" line and at the same depth. Existing piping from the oxidation ditch shall be terminated in the center splitter box vault. The Splitter Box shall be covered with a steel grate meeting HS-20 load rating.
- Two Whipps Model 923-D weir gates or equal shall be used to split the flow.
- One new 15" PVC 90° bend (and thrust block) and less than 6' of piping shall be used to reconnect to the existing clarifier influent line.
- Two new 18" PVC 90° (and thrust blocks) and approximately 140' of new 18" PVC piping shall be installed directly adjacent to and at same depth as the existing 15" line.

3. *Section 15605 HVAC: Equipment*; Additional clarification on the gill number and sizes:

- Resize the diffusers/registers: **4** supply grills to 14" x 14" with **850 cfm** capacity each and **8** return grills to 10" x 10" with **425 cfm** capacity each, Manufacturer/Model: Titus/33R, or equal.

Use the existing Drawings for the **locations** of equipment, ductwork, louvers, and grills.

4. Drawing sheet 01A302 keynote # 8 calls for a 2 hour fire wall with Gypsum Association File No. WP 1841 fire wall system. Please replace this with Gypsum Association File No. WP 9206.

ADDENDUM ORDER #2

PREPARED BY:

Tyler Harpel SGM

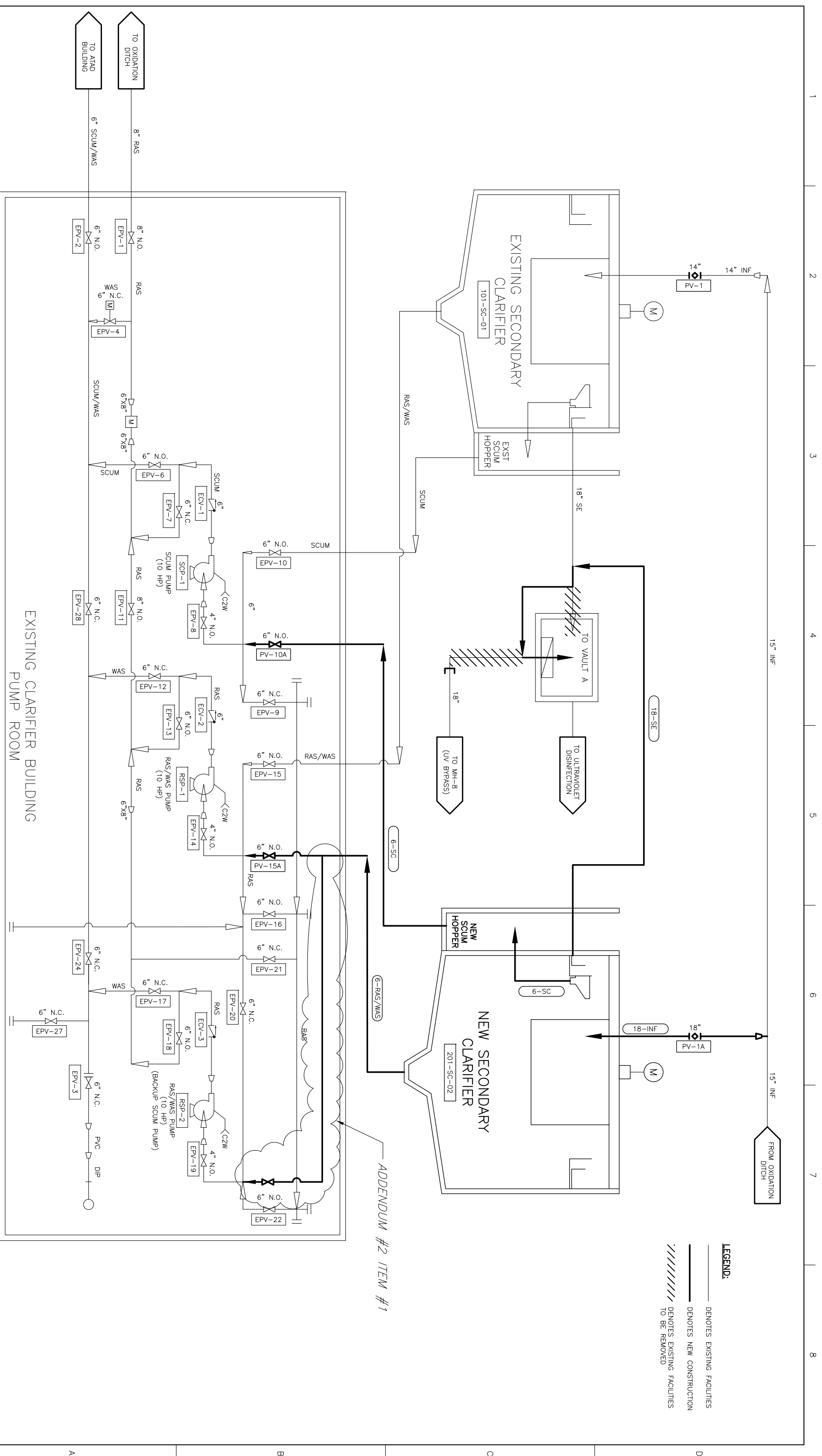
ADDENDUM ACKNOWLEDGED BY (contractor):

Date

List of attachments:

- Revised drawing 00G007 for RAS pump 2 connection
- Revised drawing 00C102 for splitter box location.
- Drawing Splitter Box Detail
- Weir Gate product data

- LEGEND:**
- DENOTES EXISTING FACILITIES
 - DENOTES NEW CONSTRUCTION
 - ////// DENOTES EXISTING FACILITIES TO BE REMOVED



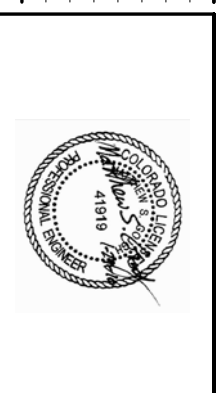
ADDENDUM #2 ITEM #1

EXISTING CLARIFIER BUILDING
PUMP ROOM

HDR
Hydro Engineering Inc.

ISSUE	DATE	DESCRIPTION
0	01/28/2009	50% SUBMITTAL TO CLIENT
1	03/09/2009	95% SUBMITTAL TO CLIENT
2	06/29/2009	SUBMITTED FOR AGENCY APPROVAL
3	01/29/2010	ISSUED FOR BID

PROJECT MANAGER	B. GIDLOW
STAFF ENGINEER	J. COOK
ARCHITECT	M. LAMBERT
STRUCTURAL	O. TANANGAR
MECHANICAL	M. BLOMQUIST
ELECTRICAL	T. COYLE
PROCESS	B. GIDLOW
DRAWN BY	E. OLSON
PROJECT NUMBER	000000000088514



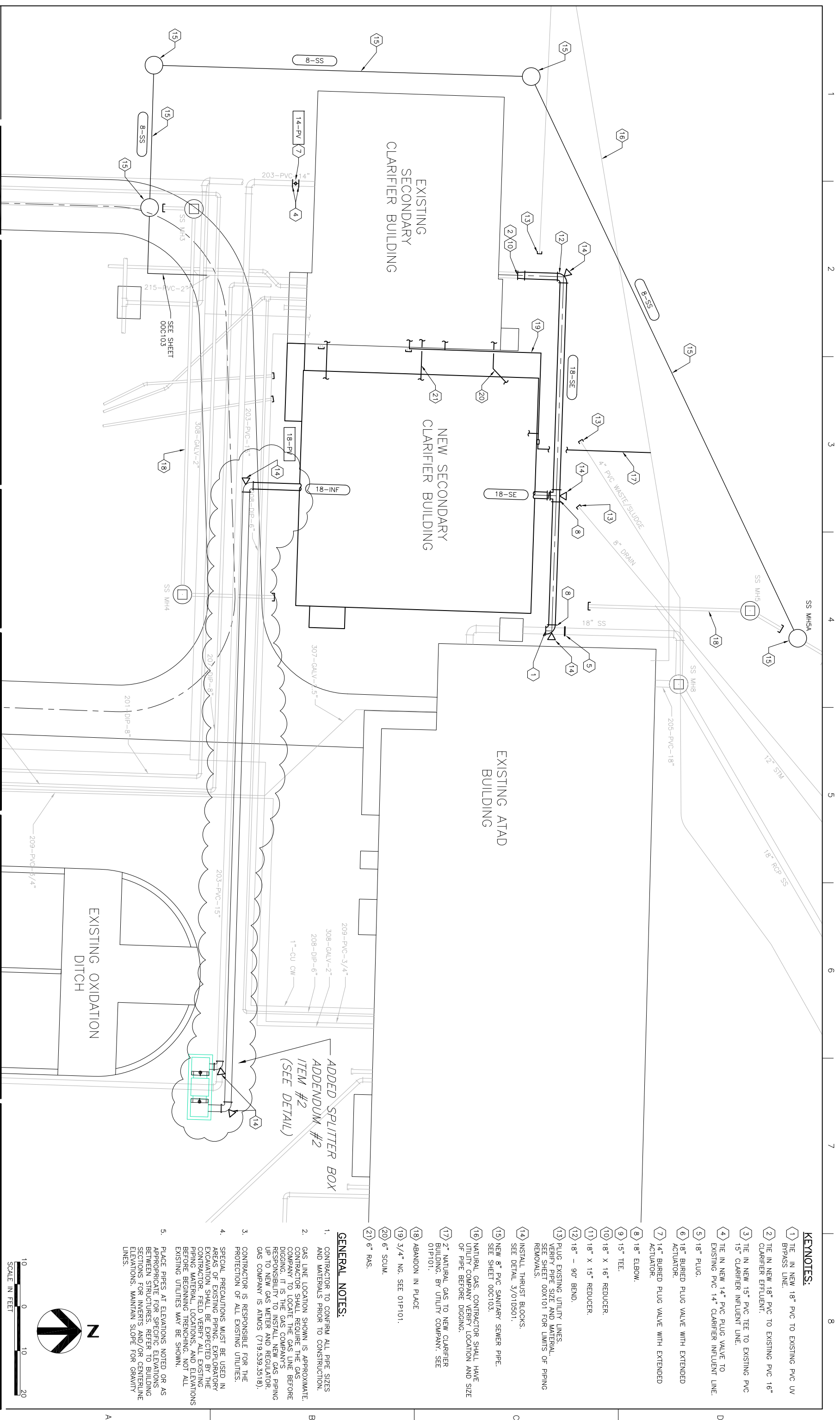
**WASTEWATER TREATMENTS
FACILITY IMPROVEMENTS**
800 BUTTE AVENUE
ISSUED FOR BID
CRESTED BUTTE, COLORADO

**CLARIFIER, RAS/SCUM PUMPING
& DISINFECTION PROCESS FLOW SCHEMATIC
SGM MODIFIED ADDENDUM #2 ITEM #1**

SCALE: N.T.S.

FILENAME: 000G007.dwg

SHEET: **00G007**

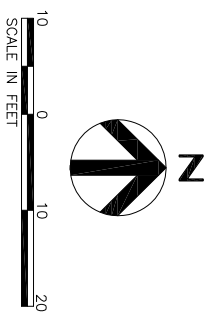


KEYNOTES:

- 1 TIE IN NEW 18" PVC TO EXISTING PVC LV BYPASS LINE.
- 2 TIE IN NEW 18" PVC TO EXISTING PVC 16" CLARIFIER EFFLUENT.
- 3 TIE IN NEW 15" PVC TEE TO EXISTING PVC 15" CLARIFIER INFLUENT LINE.
- 4 TIE IN NEW 14" PVC PLUG VALVE TO EXISTING PVC 14" CLARIFIER INFLUENT LINE.
- 5 18" PLUG.
- 6 18" BURIED PLUG VALVE WITH EXTENDED ACTUATOR.
- 7 14" BURIED PLUG VALVE WITH EXTENDED ACTUATOR.
- 8 18" ELBOW.
- 9 15" TEE.
- 10 18" X 16" REDUCER.
- 11 18" X 15" REDUCER.
- 12 18" - 90° BEND.
- 13 PLUG EXISTING UTILITY LINES. VERIFY PIPE SIZE AND MATERIAL. SEE SHEET 00C101 FOR LIMITS OF PIPING REMOVALS.
- 14 INSTALL THRUST BLOCKS.
- 15 SEE DETAIL 3/01D5011.
- 16 NEW 8" PVC SANITARY SEWER PIPE. SEE SHEET 00C103.
- 17 NATURAL GAS. CONTRACTOR SHALL HAVE UTILITY COMPANY VERIFY LOCATION AND SIZE OF PIPE BEFORE DIGGING.
- 18 2" NATURAL GAS TO NEW CLARIFIER BUILDING. BY UTILITY COMPANY. SEE 01P101.
- 19 ABANDON IN PLACE
- 20 3/4" NG. SEE 01P101.
- 21 6" SQUW.
- 22 6" RAS.

GENERAL NOTES:

- 1. CONTRACTOR TO CONFIRM ALL PIPE SIZES AND MATERIALS PRIOR TO CONSTRUCTION.
- 2. GAS LINE LOCATION SHOWN IS APPROXIMATE. CONTRACTOR SHALL REQUIRE THE GAS COMPANY TO LOCATE THE GAS LINE BEFORE DIGGING. IT IS THE GAS COMPANY'S RESPONSIBILITY TO INSTALL NEW GAS PIPING UP TO NEW GAS METER AND REGULATOR. GAS COMPANY IS ATMS (719.539.3518).
- 3. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES.
- 4. SPECIAL PRECAUTIONS MUST BE USED IN AREAS OF EXISTING PIPING. EXPLORATORY EXCAVATION SHALL BE EXPECTED BY THE CONTRACTOR. FIELD VERIFY ALL EXISTING PIPING MATERIAL, LOCATIONS, AND ELEVATIONS BEFORE BEGINNING TRENCHING. NOT ALL EXISTING UTILITIES MAY BE SHOWN.
- 5. PLACE PIPES AT ELEVATIONS NOTED OR AS APPROPRIATE FOR SPECIFIC ELEVATIONS BETWEEN STRUCTURES. REFER TO BUILDING SECTIONS FOR INVERTS AND/OR CENTERLINE ELEVATIONS. MAINTAIN SLOPE FOR GRAVITY LINES.



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HDR Engineering Inc.

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PROJECT NUMBER	000000000088514

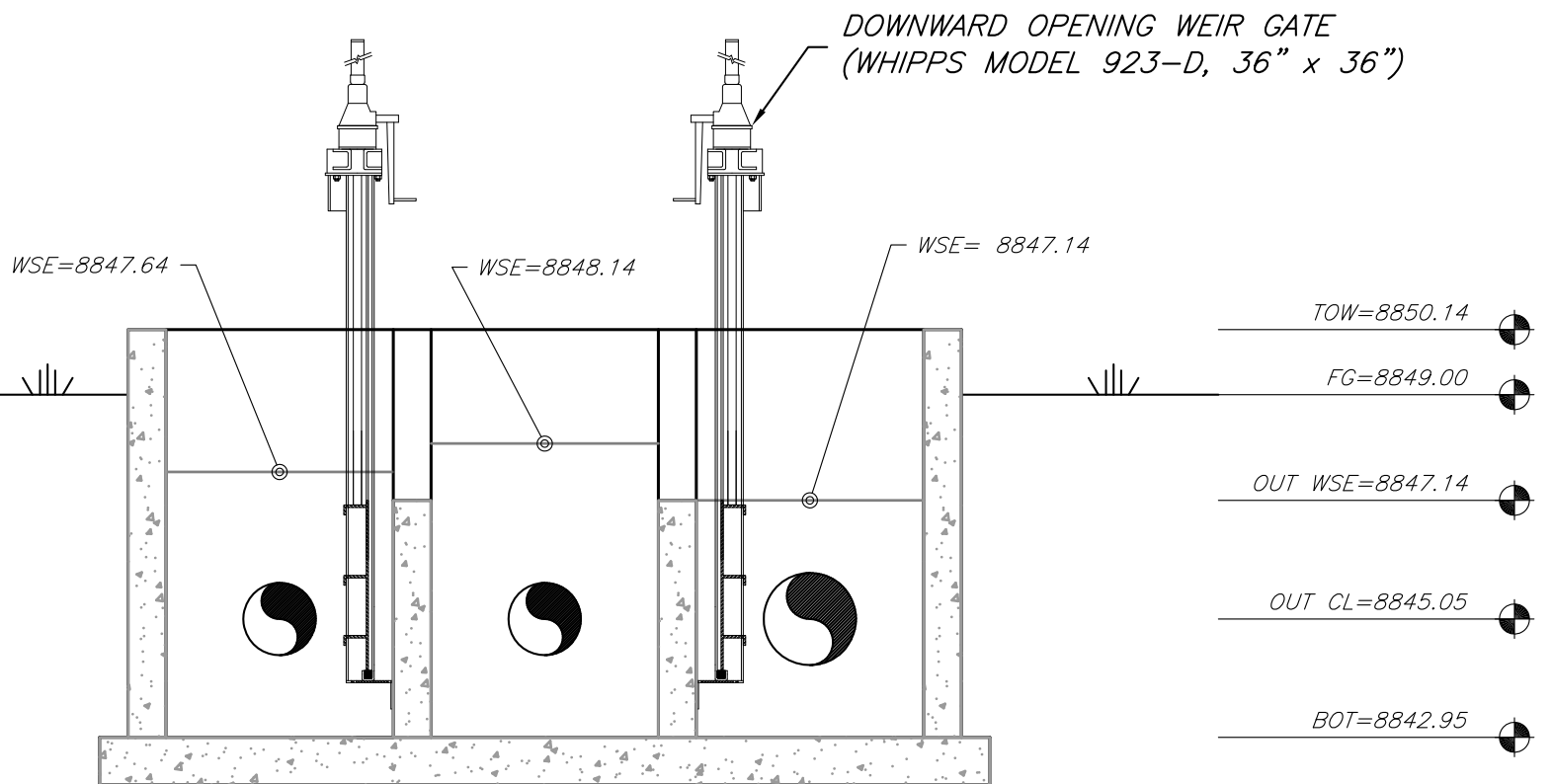
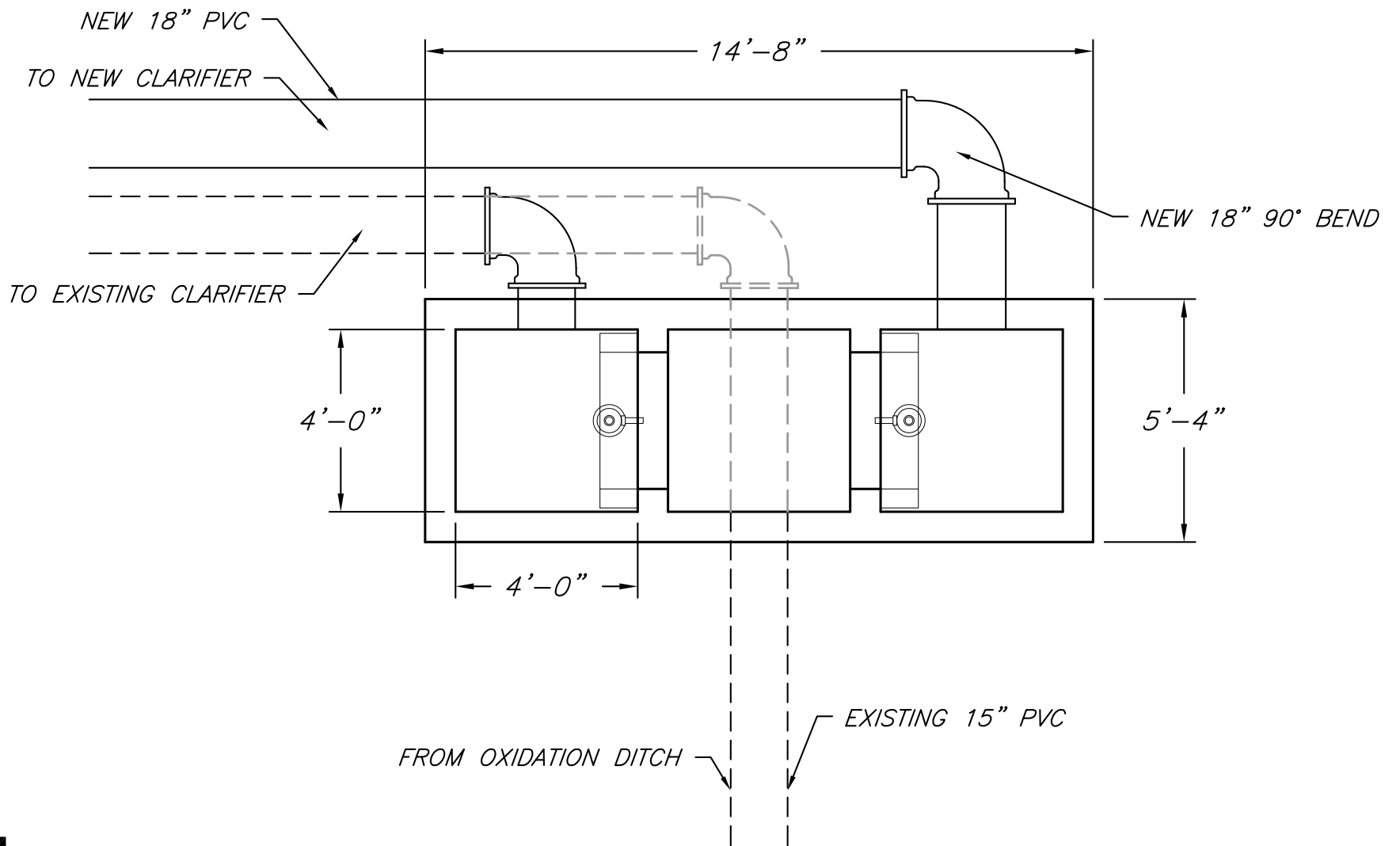


WASTEWATER TREATMENT FACILITY IMPROVEMENTS
800 BUTTE AVENUE
ISSUED FOR BID
CRESTED BUTTE, COLORADO

SITE PIPING PLAN
SGM MODIFIED
SEE ADDENDUM #2 ITEM #2

FILENAME: 00C102.dwg
SCALE: 1"=10'
SHEET: 00C102

ADDENDUM #2
ITEM #2



NOTE:
*ELEVATIONS TO BE
FIELD ADJUSTED ONCE
PIPE IS EXPOSED.

SCHMUESER | GORDON | MEYER
ENGINEERS | SURVEYORS

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(970) 945-1004 FAX (970) 945-5948
ASPEN, COLORADO (970) 925-6727
GARDEN SPRING, TEXAS (970) 349-5355

Crested Butte
WWTP

Splitter Box
Detail

Job No. 2010-204.001
Drawn by: DK
Date: 03/29/2010
Appr. by: JB
File: CLAR_SPLITTER.DWG

1
1

Model 923-D Weir Gate

