# HAROLD D. THOMPSON REGIONAL WATER RECLAMATION FACILITY

FOR THE

## LOWER FOUNTAIN METROPOLITAN SEWAGE DISPOSAL DISTRICT

NOVEMBER 2010

## HEADWORKS BUILDING

### **DRAWING INDEX**

<u>HEADWORKS BUILDING SHEETS</u>

SHEET NO.

HW-11 3>HW−12

⊳HW-14

>HW-16

⊳HW-17

⊳HW-18

⇒HW-19

3>HW−20

#### DRAWINGS SUBMITTED TO PIKES PEAK REGIONAL BUILDING DEPARTMENT

**DESCRIPTION** 

ARCHITECTURAL ELEVATIONS

DRILLED PIER PLAN

STRUCTURAL SECTIONS STRUCTURAL SECTIONS

STRUCTURAL SECTIONS STRUCTURAL SECTIONS STRUCTURAL SECTIONS

JOINTING PLAN

PLUMBING PLAN

ARCHITECTURAL PLAN AND DETAILS

ROOF FRAMING PLAN AND STRUCTURAL SECTIONS

STRUCTURAL FOUNDATION PLAN STRUCTURAL FLOOR PLAN

DETAILED BUILDING SITE PLAN

GRATING AND HANDRAIL PLAN

DRAIN AND VENT PLAN

PROCESS EQUIPMENT AND PIPING PLAN

PROCESS EQUIPMENT AND PIPING SECTIONS

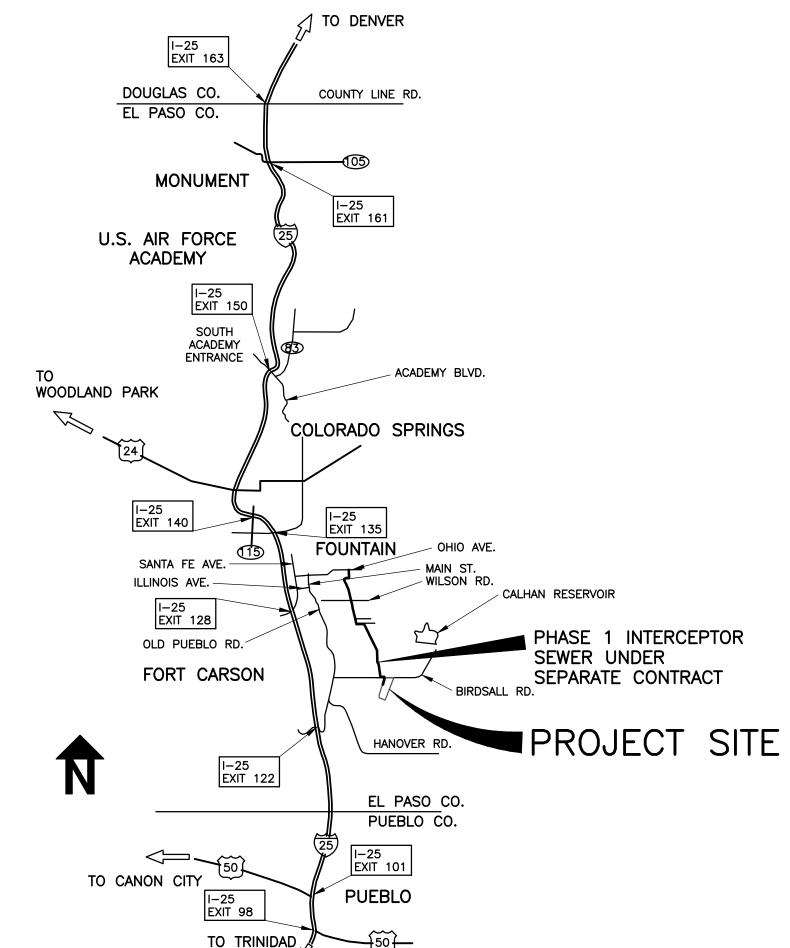
STRUCTURAL AND MASONRY DETAILS DETAILS AND SECTIONS TITLE SHEET - HEADWORKS BUILDING DETAILS AND SECTIONS SITE PLAN WITH BOUNDARY - HEADWORKS BUILDING STRUCTURAL GENERAL NOTES - HEADWORKS BUILDING **ELECTRICAL SHEETS** GENERAL ELECTRICAL LEGEND 3 ED−1 FACILITY ELECTRICAL ONE-LINE DIAGRAM COORDINATE LISTS GENERAL ELECTRICAL SCHEDULES I COORDINATE LISTS II GENERAL ELECTRICAL SCHEDULES MASTER SITE AND GRADING PLAN DETAILED SITE AND GRADING PLAN MASTER ELECTRICAL SITE PLAN SITE AND GRADING PLAN SITE AND GRADING PLAN IIA

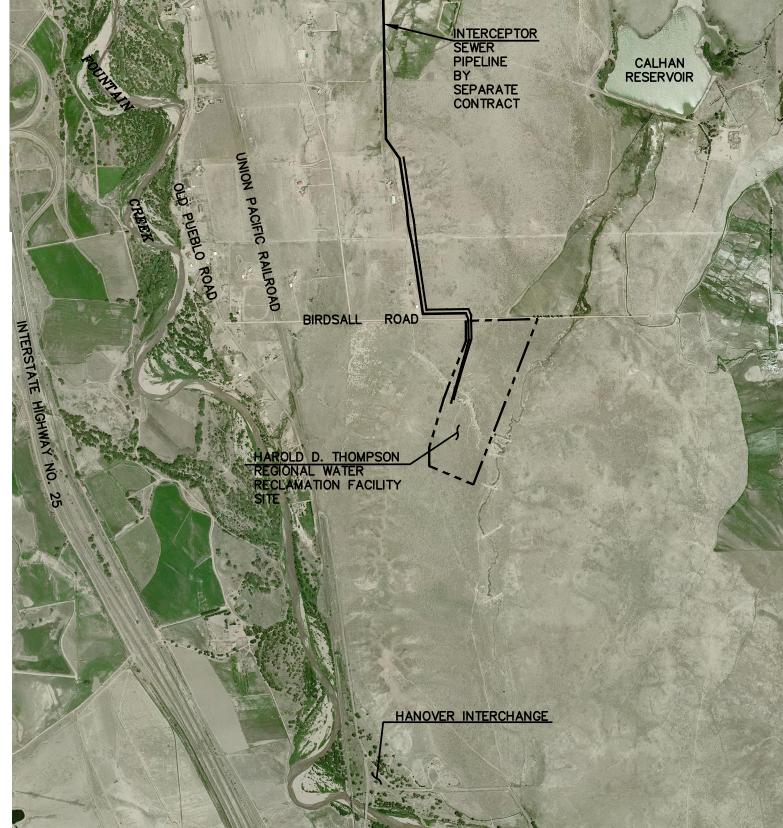
ELECTRICAL ONE-LINE DIAGRAM - HEADWORKS BUILDING LIGHTING AND POWER PLAN AND SCHEDULE - HEADWORKS BUILDING DETAILED SITE AND GRADING PLAN III ELECTRICAL GROUNDING PLAN - HEADWORKS BUILDING SITE AND GRADING PLAN IV AND SEDIMENT CONTROL PLAN EROSION AND SEDIMENT CONTROL PLAN II MECHANICAL SHEETS EROSION AND SEDIMENT CONTROL PLAN III MECHANICAL EQUIPMENT PLAN - HEADWORKS BUILDING

**DETAIL SHEETS** 

STANDARD STRUCTURAL DETAILS

FOUNTAIN HEIGHTS PLAN AND PROFILE STA. 0+00 TO STA. 9+60 > MHW-2MECHANICAL SCHEDULES AND DETAILS - HEADWORKS BUILDING LOWER FOUNTAIN HEIGHTS PLAN AND PROFILE STA. 9+60 TO STA. 14+92.85 MECHANICAL SCHEDULES AND DETAILS - HEADWORKS BUILDING CULVERT "A" PLAN AND PROFILE AND SECTIONS





### PIKES PEAK REGIONAL BUILDING CODE INFORMATION

- 1. THESE PLANS HAVE BEEN PREPARED AND DRAWN TO MEET THE REQUIREMENTS OF THE 2003 EDITION OF THE INTERNATIONAL BUILDING CODE, THE 2003 EDITION OF THE INTERNATIONAL PLUMBING CODE, THE 2008 EDITION OF THE NATIONAL ELECTRICAL CODE, THE 2003 EDITION OF THE INTERNATIONAL MECHANICAL CODE, AND THE 2005 PPRBD COMMERCIAL BUILDING CODES.
- 2. HEADWORKS BUILDING

ADDRESS: 14611 LOWER FOUNTAIN HEIGHTS (BUILDING NO. A ON SHEET I-3) STRUCTURE AREA: 3,750 S.F. USE AND OCCUPANCY: FACTORY - LOW HAZARD, GROUP  $F-2\langle 2 \rangle$ CONSTRUCTION TYPE: V-B

- 3. STRUCTURAL DESIGN NOTES:
  - a. SEE SHEET I-4 FOR ALL STRUCTURAL GENERAL DESIGN NOTES
- 4. THE WASTEWATER TREATMENT FACILITY IS NOT ACCESSIBLE BY THE GENERAL PUBLIC. A CONTINUOUS PERIMETER SECURITY FENCE WILL BE INSTALLED AROUND THE ENTIRE FACILITY. ACCESS WILL BE CONTROLLED BY THE OPERATIONS PERSONNEL THROUGH AN ELECTRONIC GATE IN THE PERIMETER FENCE.
- 5. THE FOLLOWING BUILDINGS ARE UNMANNED STRUCTURES. ACCESS TO THESE BUILDINGS ARE LIMITED TO OPERATION AND MAINTENANCE PERSONNEL ONLY.
  - c. EQUIPMENT MAINTENANCE AND STORAGE BUILDING d. AERATION BASINS AND AEROBIC DIGESTER BASINS
  - e. SECONDARY CLARIFIER COMPLEX
  - g. BIOSOLIDS HANDLING COMPLEX

a. HEADWORKS BUILDING b. BLOWER BUILDING

f. PUMPING AND DISINFECTION BUILDING

06/20/2011 I ISSUED FOR BUILDING PERMIT SUBMITTAL TO PPRBD (HEADWORKS BUILDING

**REVISIONS** 

GMS, INC. 611 NORTH WEBER STREET, SUITE 300 COLORADO SPRINGS, COLORADO 80903

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SHEET 1-2

GMS-FILE <u>2599</u> PLOT STYLE FILE: 1050C.CTB
FILENAME: G:\LFMSDD\20166\INFORMATIONAL DRAWINGS\12\12.DW

FACILITY ADDRESS:

(SEE SHEET I-3)

FOUNTAIN, CO. 80817

SUBMITTAL ADDRESS

LEGAL DESCRIPTION:

BOOK 5634, PAGE 355

DESCRIPTION)

AND BOOK 565, PAGE 731

SEE SHEET I-3 FOR EACH

EL PASO COUNTY ASSESSOR'S

**SCHEDULE NO.:** 56000-00-120

CLERK AND RECORDER RECORDS

PARCEL DESCRIBED IN EL PASO COUNTY

(SEE SHEET I-3 FOR COMPLETE LEGAL

14611 LOWER FOUNTAIN HEIGHTS