



## Request for Proposal

### Lupton Lakes Groundwater Cutoff Walls Project – Owner’s Consultant

#### Introduction

Denver Water is inviting Consultants to submit a proposal to provide Owner’s Consultant services for the Lupton Lakes Groundwater Cutoff Walls Project (Project), a Design-Build project. The Consultant’s services will consist of review of Design-Builder’s drawings and specifications, and construction administration services.

#### Project Background

The City and County of Denver acting by and through its Board of Water Commissioners has authorized Denver Water (OWNER) to install a groundwater cutoff wall at the Lupton Lakes Reservoir Complex in Weld County, Colorado. An alternative project delivery method, Design-Build, was chosen instead of traditional Design-Bid-Build project delivery to shorten the project schedule and shift risk to the Design-Build Team. The Design-Build Team chosen for the Project is Magnus Pacific, LLC with Deere and Ault Consultants, Inc for a contract amount of \$3,984,955.00. Within the Design-Build contract, the OWNER has several responsibilities and the selected Consultant will support the OWNER in performing these responsibilities.

This Request for Proposal (RFP) is to solicit proposals from qualified Consultants interested in contracting to serve as the Owner’s Consultant for the Project. The OWNER will evaluate the proposals based on the evaluation criteria included in this RFP.

#### Contract Schedule

The contract with the Owner’s Consultant is expected to be in effect starting in March 2016 with an estimated completion by March 2017. The anticipated contract schedule is as follows.

01-13-2016	RFP Issued
01-25-2016	Statement of Qualifications Due (If Applicable)
02-10-2016	Proposals Due
02-12-2016	Consultant Selection
02-24-2016	Board Meeting and Notice of Award
03-02-2016	Contract Begin
03-23-2017	Contract Complete

#### Project Location

The Lupton Lakes Reservoir Complex is located near Weld County Road 8 and State Highway 85. Refer to Exhibit A for a vicinity map of the Lupton Lakes Reservoir Complex.

## Project Overview

The Project consists of the installation of a soil-bentonite groundwater cutoff wall to prevent groundwater migration to and from the reservoir complex. The Lupton Lakes Reservoir Complex is comprised of two cells, a north cell and a south cell. The Project only includes a groundwater cutoff wall for the north cell. There is an option in the Design-Build contract to add the south cell if OWNER's criteria is met. The south cell may be added to the Project as late as November 2016.

Lupton Lakes Reservoir Complex	Cutoff Wall Length (Approximate)	Cutoff Wall Depth (Approximate)
North Cell	9,400 Linear-Feet	60-Feet
South Cell	11,900 Linear-Feet	60-Feet

## Project Schedule

The anticipated project schedule is as follows.

01-13-2016	Design-Builder Notice of Award
02-15-2016	Design-Builder Notice to Proceed
05-23-2016	Groundwater Cutoff Wall Construction – Start (North Cell Only)
09-08-2016	Groundwater Cutoff Wall Construction – Complete (North Cell Only)
09-08-2016	Leak Test – Begin (North Cell Only)
01-06-2017	Leak Test – Complete (North Cell Only)
01-24-2017	Substantial Completion (North Cell Only)
02-23-2017	Final Completion (North Cell Only)

## Scope of Services

Denver Water is seeking a Consultant to support the OWNER in performing the OWNER's responsibilities in the Design-Build contract. The Scope of Services includes but is not limited to the following major tasks.

### 100 30% Design

- 101 Meetings – Project Kickoff Meeting, Progress Meetings, and On-Site Meetings
- 102 Coordination Meetings – OWNER, Design-Builder, Miner, and Anadarko
- 103 Submittal Review, 30% Design (Design Report, Drawings, and Specifications)
- 104 Submittal Review Meeting, 30% Design
- 105 Review of Design-Builder's Comment Resolution

### 200 90% Design and Final for Construction

- 201 Meetings – Progress Meetings and On-Site Meetings
- 202 Submittal Review, 90% Design (Drawings and Specifications)
- 203 Submittal Review Meeting, 90% Design
- 204 Review of Design-Builder's Comment Resolution
- 205 Review of Final for Construction Documents to confirm all comments were incorporated

### 300 Construction Administration

- 301 Meetings – Construction Progress Meetings
- 302 Construction Inspection and Observation. Provide staff for presence on-site during contractor work hours. Assume 18 weeks, 6 days per week, 10 hours per day of full time construction requiring on-site presence (may perform other scope tasks during this onsite presence).
- 303 Materials Testing/Quality Assurance. Perform daily review of materials testing reports during construction of groundwater cutoff wall. This includes correspondence with OWNER to discuss material quality issues. Also includes limited materials testing to validate the Design-Builder's quality control program.
- 304 Coordinate with part-time Denver Water inspection personnel
- 305 Participate in Final Inspection and project closeout
- 306 Review Record Drawings

- 307 Leakage Test Observation
- 308 Produce a Final Completion Report documenting lessons learned, schedule, budget findings, and closeout.

## Consultant Qualifications

Only qualified Consultants may submit a proposal. Consultants are qualified in one of the two following ways.

1. Design-Build Team Member: The firm is a member of a qualified Design-Build team for the Project and the firm's Design-Build team was not successful in securing the Design-Build contract. These firms are qualified without the submission and evaluation of a qualifications package.
2. Statement of Qualifications (SOQ) Package: The firm is qualified through the submittal and evaluation of a SOQ package. Interested Consultants must submit an electronic copy of the SOQ package by 2:00 p.m. on Monday, January 25, 2016 to Devin Shable at [devin.shable@denverwater.org](mailto:devin.shable@denverwater.org). Please limit the SOQ package to seven (7) pages, excluding resumes and insurance certificates. At a minimum, the SOQ package must include the following information:
  - 1) Project Experience of Proposed Firm
    - Project experience for the proposed firm on projects of similar nature and scope. Include references for the projects.
  - 2) Project Experience of Proposed Personnel
    - Organizational chart for the proposed project team.
    - Resumes for the proposed project team demonstrating appropriate experience and capabilities to meet the demands of the project.
  - 3) Insurance Certificates
    - Provide a Certificate of Insurance

### **Required Experience and Expertise**

The proposed firm and team must have demonstrated experience on projects of similar nature and scope. Denver Water will evaluate the SOQ packages on a pass-fail basis and the firms who pass are qualified to submit a proposal.

## Proposal Submittal

Only qualified Consultants may submit a proposal. Proposals must be limited to seven (7) pages. At a minimum, the proposal shall include the following items:

1. Cover Letter.
2. A work breakdown structure for the proposed scope of work including the tasks listed in this RFP and additional tasks as necessary. The work breakdown structure must include specific responsibilities of staff and associated hours, subtotal for each task series, and, if applicable, a detailed breakdown of subconsultant and laboratory fees. Consider and identify efficiencies for the tasks listed in this RFP.
3. Consultant's approach to integrating with OWNER and Design-Builder.
4. A list of critical issues that the Consultant considers to be of importance for the Project.
5. Statement of MWBE status (MWBE status is not a requirement, but is favorable).

## Selection Criteria

Denver Water will select the Consultant based on a weighted system giving consideration to the Consultant's proposed project integration plan and work breakdown structure. A team of Denver Water subject matter experts will review the Proposals and make a selection based on the criteria, weight, and standard presented below.

Each criteria is assigned a score from 1 to 10, with 1 being a poor rating, 5 being an average rating, and 10 being an outstanding rating. All criteria will be multiplied by the associated weight to give a weighted criteria score. The weighted criteria scores will be summed for a cumulative score. The maximum possible cumulative score is 100.

Weight	Criteria	Standard
2	Consultant's Integration Plan	<ul style="list-style-type: none"><li>• Is the proposed team available for the duration of the contract?</li><li>• How does the Consultant plan to integrate with the OWNER and Design-Builder? What value will the Consultant add to the project?</li></ul>
4	Work Breakdown Structure: Tasks and Activities	<ul style="list-style-type: none"><li>• Does the work breakdown structure include accurate tasks and activities?</li><li>• Does the work breakdown structure consider or identify efficiencies in the tasks and activities?</li></ul>
4	Work Breakdown Structure: Hours and Cost	<ul style="list-style-type: none"><li>• Do the work hours presented accurately reflect the level of effort to complete each task?</li><li>• How do unit labor and overhead costs compare to other firms?</li></ul>

## Proposal Schedule

Proposals shall be submitted electronically by 2:00 P.M. on Wednesday, February 10, 2016 to Devin Shable at [devin.shable@denverwater.org](mailto:devin.shable@denverwater.org). Denver Water may choose to interview select candidates prior to the contract award.

The Consultant is expected to enter into Denver Water's standard form of agreement. Please feel free to contact Devin Shable at (303) 628-6365.

Sincerely,



Devin Shable, P.E.

**LUPTON LAKES**

GROUNDWATER CUTOFF WALLS

**EXHIBIT A**

THIS DRAWING IS BASED ON THE DW\_FT\_LUPTON COORDINATE SYSTEM

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△ 11/13/15 ADDENDUM NO. 1

△ 10/22/15 REQUEST FOR PROPOSAL

No	Date	Description

**REVISIONS**

**VERIFY SCALES**

BAR IS ONE INCH ON ORIGINAL DRAWING  
0  1"  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PT NO: 18028

DRAWN BY: DITTERLINE

CHKD BY: SHABLE/MS

CHKD BY: M TURNEY/MST

APPD BY: *John C. Fenn*

DATE: OCTOBER 2015

CONTRACT: 16402A

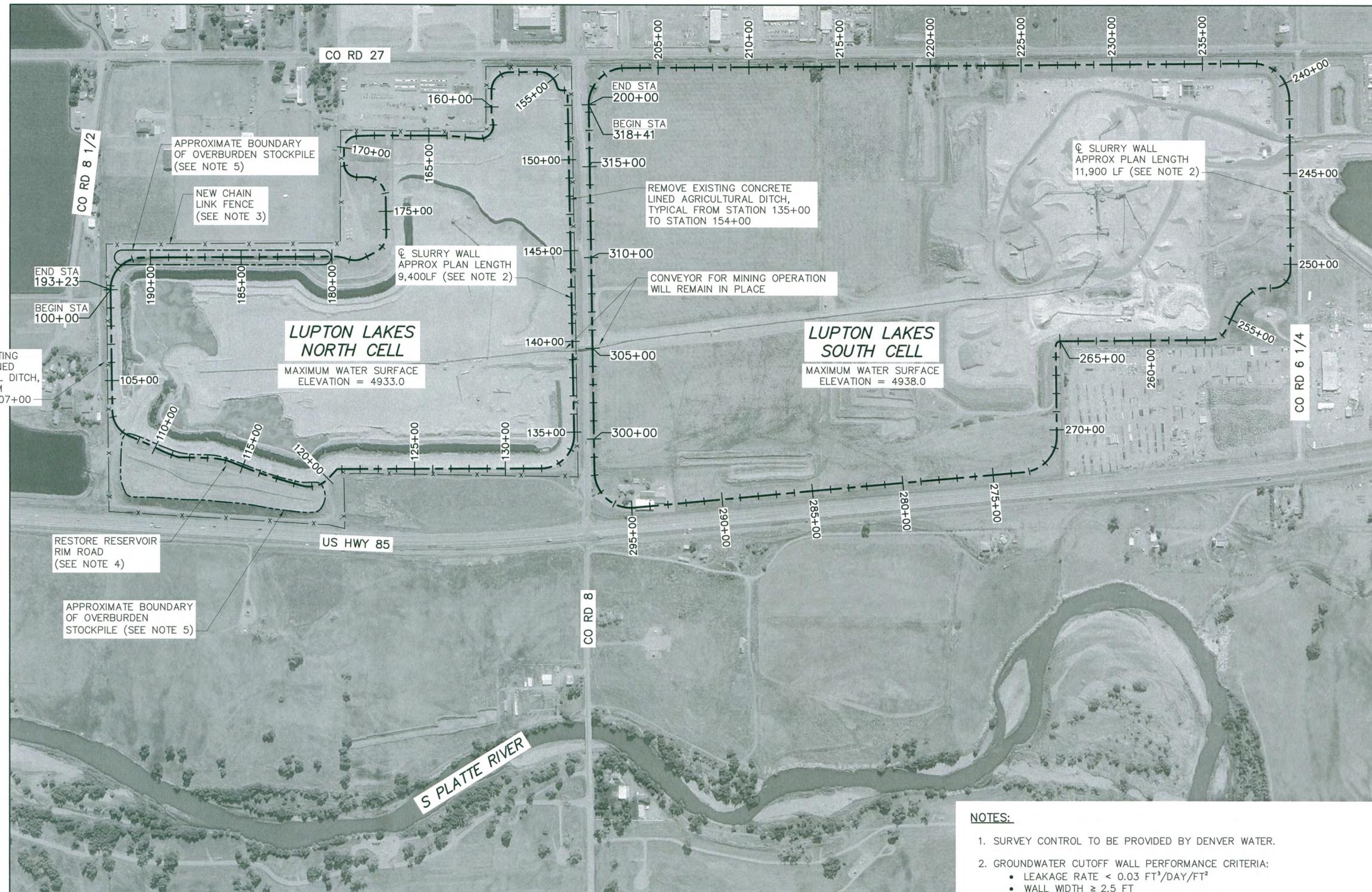
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DRAWING TITLE

**SITE PLAN**

C-1

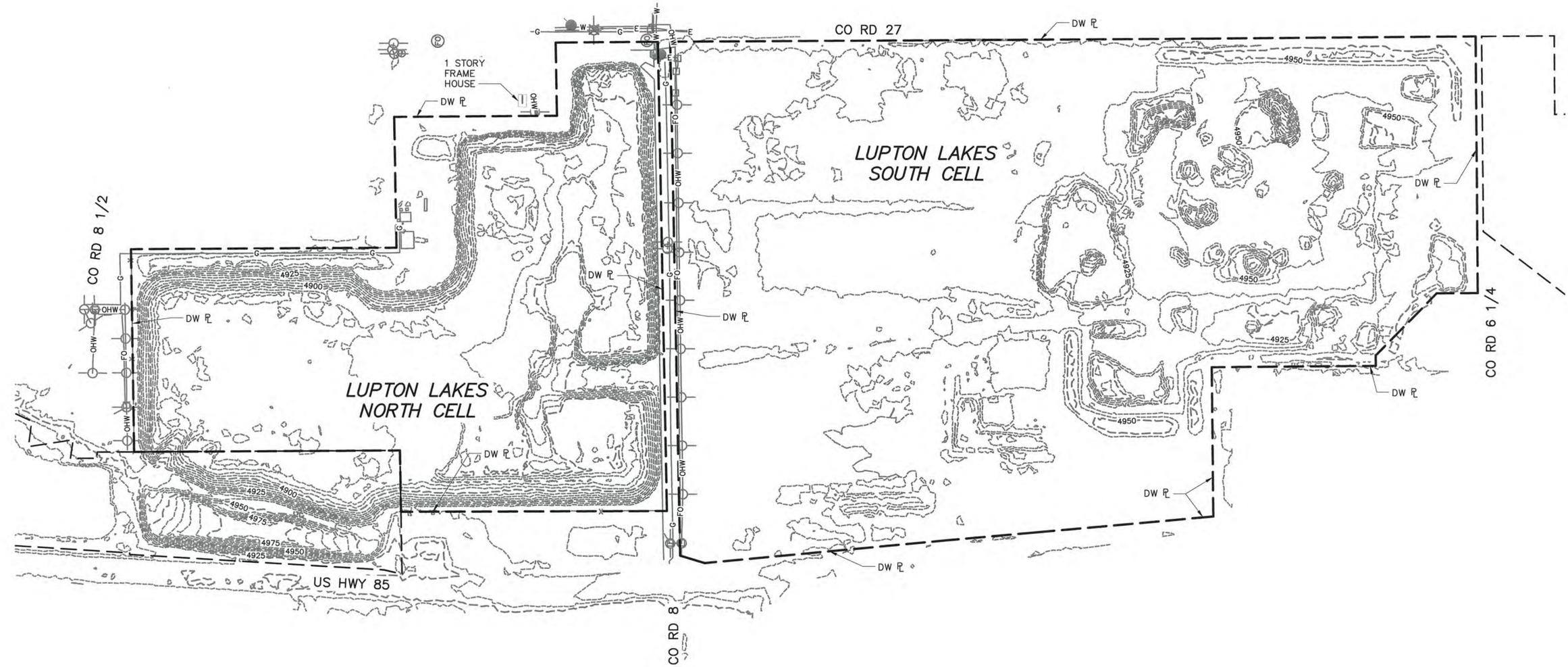


**SITE PLAN**

SCALE: 1" = 300'

**NOTES:**

1. SURVEY CONTROL TO BE PROVIDED BY DENVER WATER.
2. GROUNDWATER CUTOFF WALL PERFORMANCE CRITERIA:
  - LEAKAGE RATE < 0.03 FT<sup>3</sup>/DAY/FT<sup>2</sup>
  - WALL WIDTH ≥ 2.5 FT
  - STRUCTURAL CAP REQUIRED WHERE WALL IS SUBJECT TO TRAFFIC.
3. FENCE SHALL BE 8-FOOT TALL CHAIN LINK FABRIC WITH 12-INCH TALL BARBED WIRE TOP. CHAIN LINK FENCE, GATE, AND HARDWARE SHALL MEET COLORADO DEPARTMENT OF TRANSPORTATION STANDARD PLAN NO. M-607-2.
4. RESERVOIR RIM ROAD SHALL BE 12-FOOT WIDE WITH 6-INCHES OF COLORADO DEPARTMENT OF TRANSPORTATION CLASS 6 AGGREGATE BASE COURSE.
5. IF STOCKPILES ARE DISTURBED, THE STOCKPILES MUST BE GRADED TO A STABLE CONDITION.



**EXISTING UTILITIES & SURFACE**

SCALE: 1" = 300'  
 CI: 5'

**NOTE:**

TOPOGRAPHY SHOWN REPRESENTS GROUND SURFACE AS SURVEYED IN OCTOBER 2015.

**LUPTON LAKES  
 GROUNDWATER CUTOFF  
 WALLS  
 EXHIBIT A**

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**EXISTING UTILITIES &  
 EXISTING SURFACE**

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