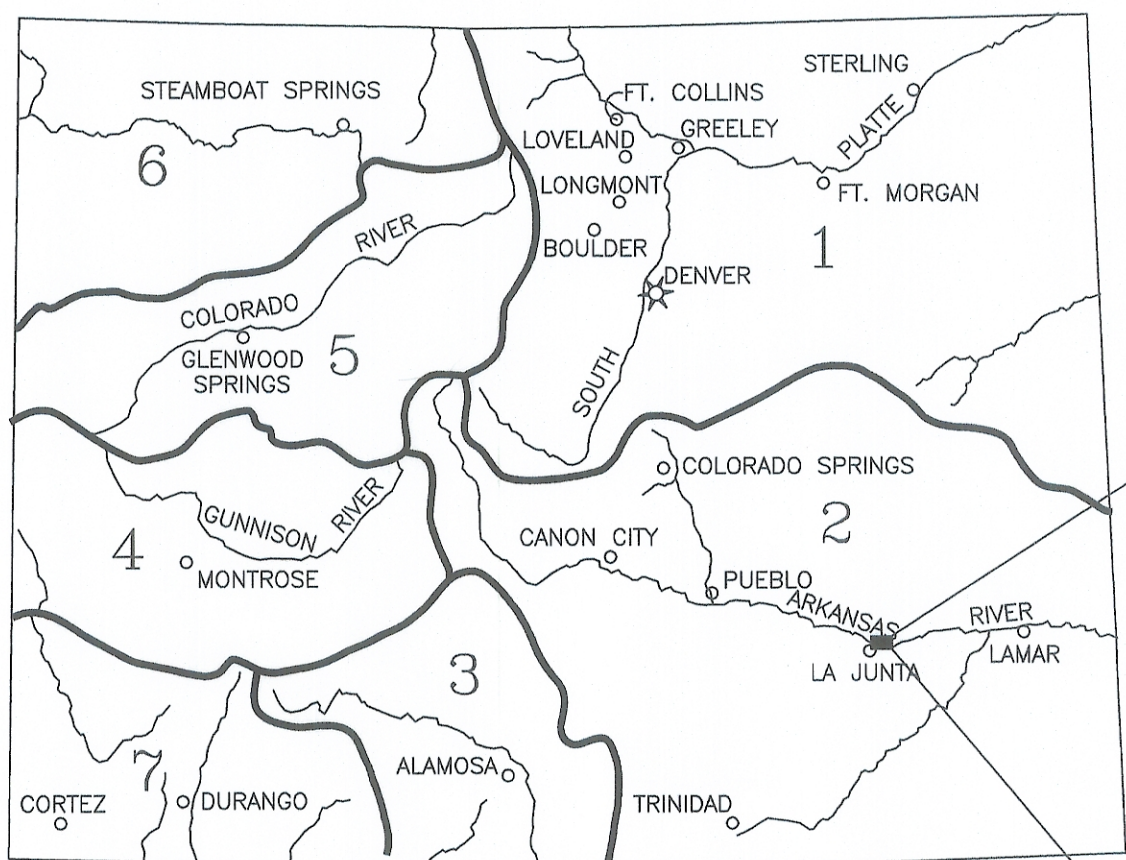


# CONSTRUCTION PLANS FOR VALCO AGGREGATE MINE RECLAMATION

## PREPARED FOR:

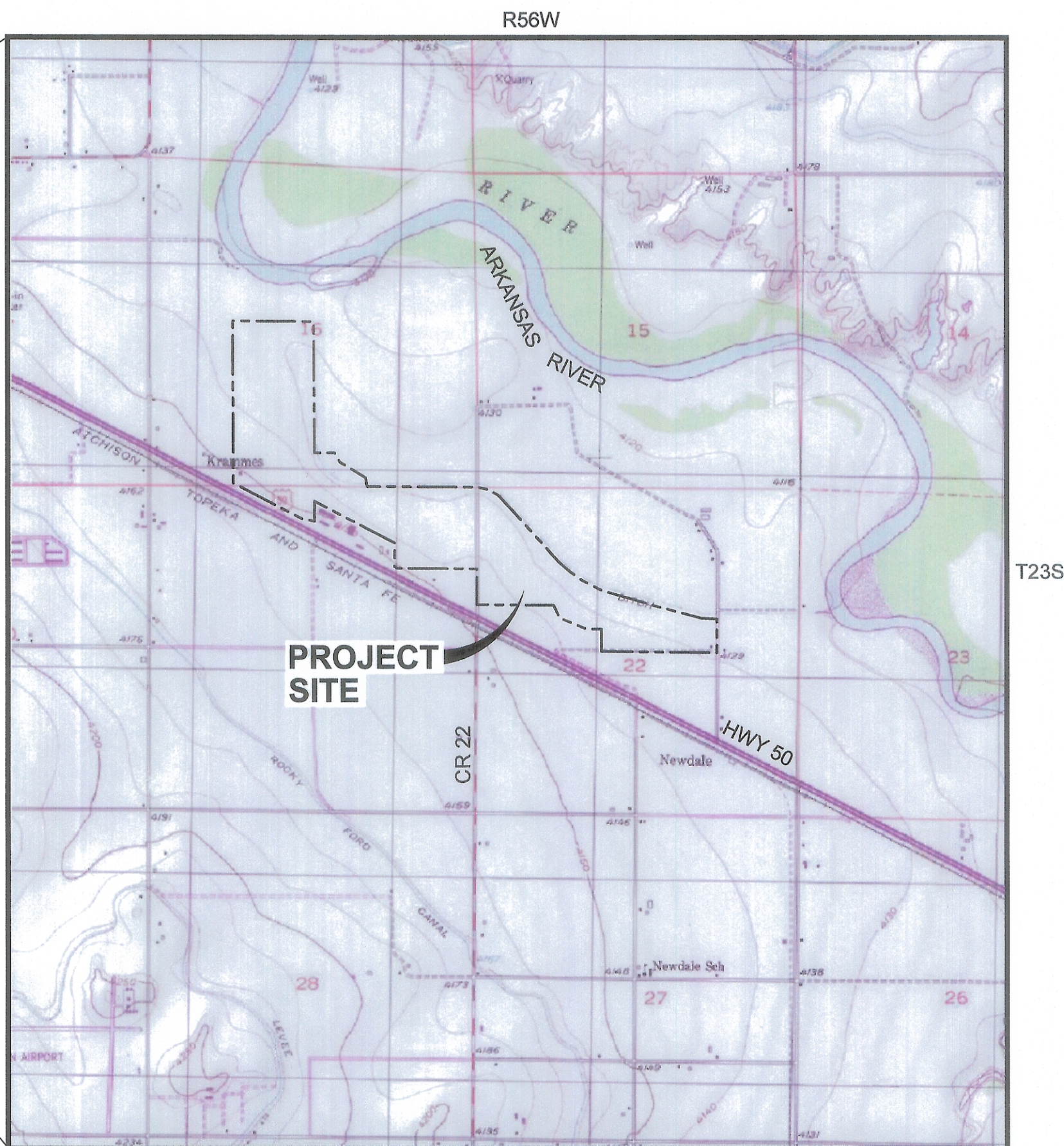
VALCO, INC.  
12753 SOUTH PARKER ROAD, SUITE 203  
PARKER, COLORADO 80134  
WATER DIVISION NO. 2, WATER DISTRICT NO. 17  
OTERO COUNTY, COLORADO



STATE OF COLORADO  
PROJECT LOCATION MAP

SCALE: NONE

NORTH



Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com/topo)

NORTH

PROJECT VICINITY MAP

0 1000 2000  
SCALE IN FEET



UNCC  
CALL BEFORE  
YOU DIG

811

Utility Notification  
Center of Colorado  
Administrative Office 303-232-1991  
12600 W. Colfax Ave., Suite B-310  
Littleton, CO 80120

CALL 2-BUSINESS DAYS IN ADVANCE  
BEFORE YOU DIG, GRADE, OR EXCAVATE  
FOR THE MARKING OF UNDERGROUND  
MEMBER UTILITIES.

DEERE & AULT CONSULTANTS, INC. ASSUMES NO  
RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS  
(HORIZONTAL AND VERTICAL). THE EXISTING UTILITIES  
SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM  
THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER,  
THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD  
VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE  
COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.

## NOTES:

DEERE AND AULT CONSULTANTS, INC. IS NOT A GUARANTOR OF THE PERFORMANCE OF THE WORK.

DEERE AND AULT CONSULTANTS, INC. IS NOT RESPONSIBLE FOR SAFETY, IN, ON, OR ABOUT THE  
PROJECT SITE, NOR FOR COMPLIANCE BY THE APPROPRIATE PARTY WITH ANY REGULATIONS  
RELATED THERETO.

DEERE AND AULT CONSULTANTS, INC. EXERCISES NO CONTROL OVER THE SAFETY OR ADEQUACY OF  
ANY EQUIPMENT, BUILDING COMPONENTS, FORMS, OR OTHER WORK AIDS USED IN OR ABOUT THE  
PROJECT, OR OVER THE SUPERINTENDING OF THE SAME.

WRITTEN SCALES ON PLAN ARE FOR FULL SIZED 22" x 34" PLANS AND DO NOT APPLY TO REDUCED PLAN  
SETS.

## SHEET INDEX:

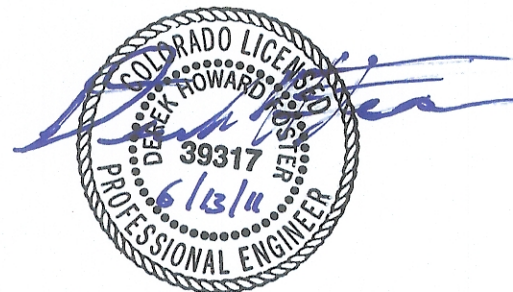
SHEET 1 COVER SHEET & VICINITY MAP

SHEET 2 GENERAL PLAN

SHEET 3 CROSS SECTIONS

## CERTIFICATION:

I HEREBY CERTIFY THAT THESE PLANS FOR THE RECLAMATION OF  
VALCO AGGREGATE MINE WERE PREPARED UNDER MY DIRECT  
SUPERVISION FOR THE OWNERS THEREOF



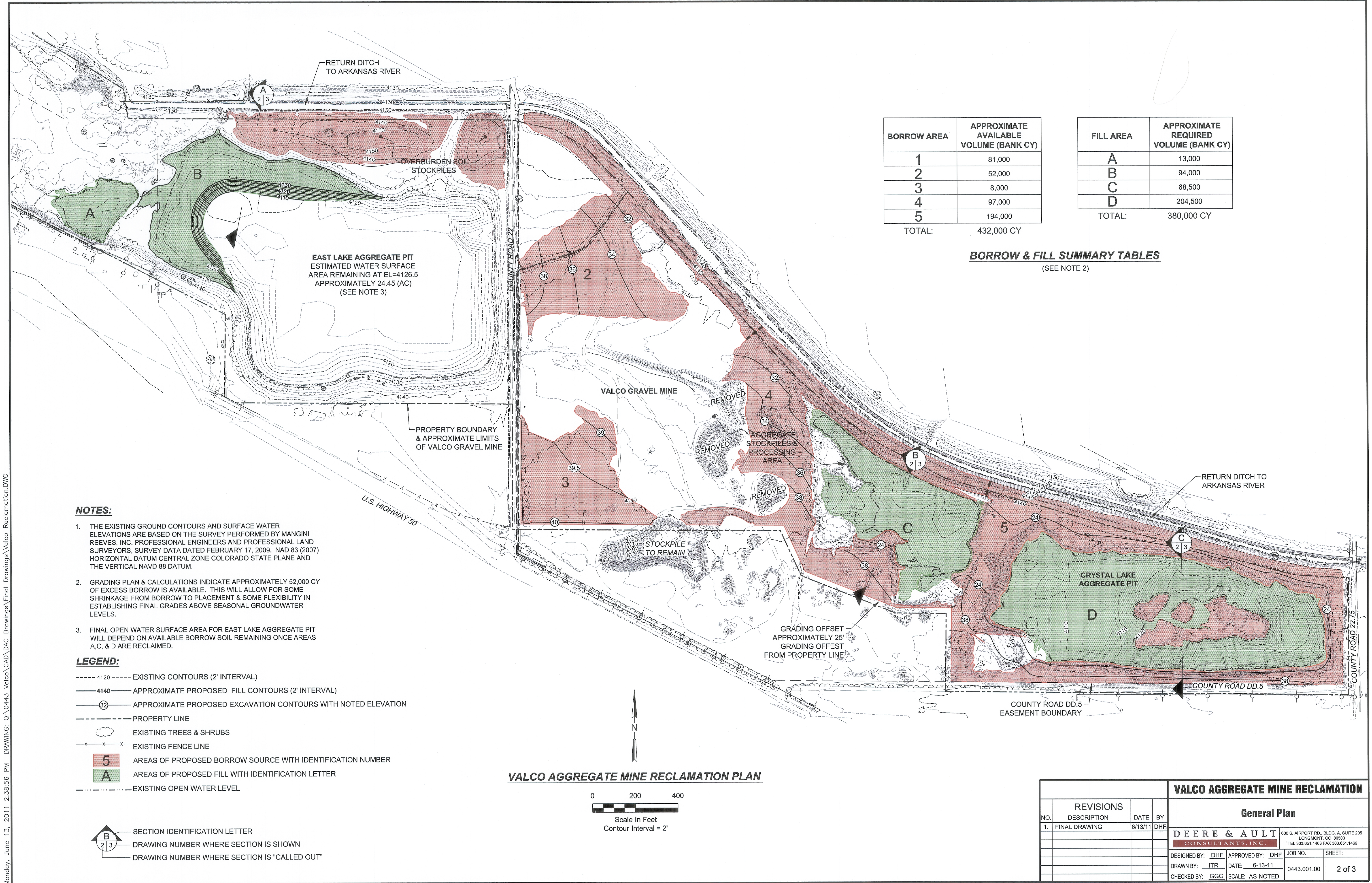
BY:

DEREK H. FOSTER, P.E.  
COLORADO, P.E. #39317

| REVISIONS |               |         |     | VALCO AGGREGATE MINE RECLAMATION                 |  |  |  |
|-----------|---------------|---------|-----|--------------------------------------------------|--|--|--|
| NO.       | DESCRIPTION   | DATE    | BY  | Cover Sheet & Vicinity Map                       |  |  |  |
| 1.        | FINAL DRAWING | 6/13/11 | DHF | DEERE & AULT CONSULTANTS, INC.                   |  |  |  |
|           |               |         |     | DESIGNED BY: DHF APPROVED BY: DHF JOB NO. SHEET: |  |  |  |
|           |               |         |     | DRAWN BY: ITR DATE: 6-13-11                      |  |  |  |
|           |               |         |     | CHECKED BY: GGC SCALE: AS NOTED                  |  |  |  |
|           |               |         |     | 0443.001.00 1 of 3                               |  |  |  |



Monday, June 13, 2011 2:38:56 PM DRAWING: Q:\0443 Valco\CAD\DAC Drawings\Final Drawings\Valco Reclamation.DWG



| BORROW AREA | APPROXIMATE AVAILABLE VOLUME (BANK CY) |
|-------------|----------------------------------------|
| 1           | 81,000                                 |
| 2           | 52,000                                 |
| 3           | 8,000                                  |
| 4           | 97,000                                 |
| 5           | 194,000                                |
| TOTAL:      | 432,000 CY                             |

| FILL AREA | APPROXIMATE REQUIRED VOLUME (BANK CY) |
|-----------|---------------------------------------|
| A         | 13,000                                |
| B         | 94,000                                |
| C         | 68,500                                |
| D         | 204,500                               |
| TOTAL:    | 380,000 CY                            |

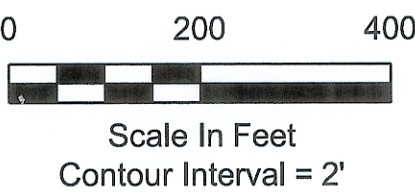
**BORROW & FILL SUMMARY TABLES**  
(SEE NOTE 2)

- NOTES:**
- THE EXISTING GROUND CONTOURS AND SURFACE WATER ELEVATIONS ARE BASED ON THE SURVEY PERFORMED BY MANGINI REEVES, INC. PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS, SURVEY DATA DATED FEBRUARY 17, 2009. NAD 83 (2007) HORIZONTAL DATUM CENTRAL ZONE COLORADO STATE PLANE AND THE VERTICAL NAVD 88 DATUM.
  - GRADING PLAN & CALCULATIONS INDICATE APPROXIMATELY 52,000 CY OF EXCESS BORROW IS AVAILABLE. THIS WILL ALLOW FOR SOME SHRINKAGE FROM BORROW TO PLACEMENT & SOME FLEXIBILITY IN ESTABLISHING FINAL GRADES ABOVE SEASONAL GROUNDWATER LEVELS.
  - FINAL OPEN WATER SURFACE AREA FOR EAST LAKE AGGREGATE PIT WILL DEPEND ON AVAILABLE BORROW SOIL REMAINING ONCE AREAS A, C, & D ARE RECLAIMED.

- LEGEND:**
- 4120 --- EXISTING CONTOURS (2' INTERVAL)
  - 4140 — APPROXIMATE PROPOSED FILL CONTOURS (2' INTERVAL)
  - 32 — APPROXIMATE PROPOSED EXCAVATION CONTOURS WITH NOTED ELEVATION
  - PROPERTY LINE
  - ☁ EXISTING TREES & SHRUBS
  - x-x-x- EXISTING FENCE LINE
  - 5 AREAS OF PROPOSED BORROW SOURCE WITH IDENTIFICATION NUMBER
  - A AREAS OF PROPOSED FILL WITH IDENTIFICATION LETTER
  - EXISTING OPEN WATER LEVEL

- SECTION IDENTIFICATION LETTER**
- DRAWING NUMBER WHERE SECTION IS SHOWN**
- DRAWING NUMBER WHERE SECTION IS "CALLED OUT"**

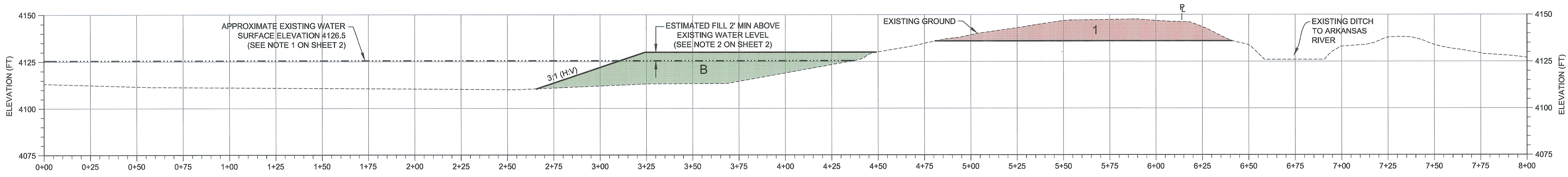
**VALCO AGGREGATE MINE RECLAMATION PLAN**



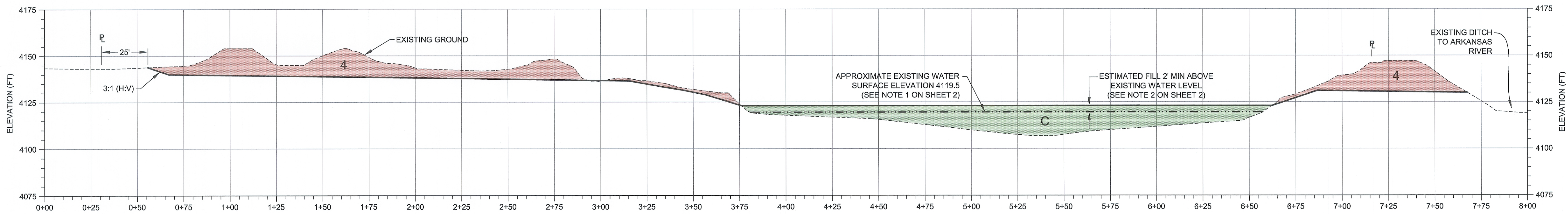
| REVISIONS |               |         |     | VALCO AGGREGATE MINE RECLAMATION |                  |             |        |
|-----------|---------------|---------|-----|----------------------------------|------------------|-------------|--------|
| NO.       | DESCRIPTION   | DATE    | BY  | General Plan                     |                  |             |        |
| 1.        | FINAL DRAWING | 6/13/11 | DHF | DEERE & AULT CONSULTANTS, INC.   |                  |             |        |
|           |               |         |     | DESIGNED BY: DHF                 | APPROVED BY: DHF | JOB NO.     | SHEET: |
|           |               |         |     | DRAWN BY: ITR                    | DATE: 6-13-11    | 0443.001.00 | 2 of 3 |
|           |               |         |     | CHECKED BY: GGC                  | SCALE: AS NOTED  |             |        |



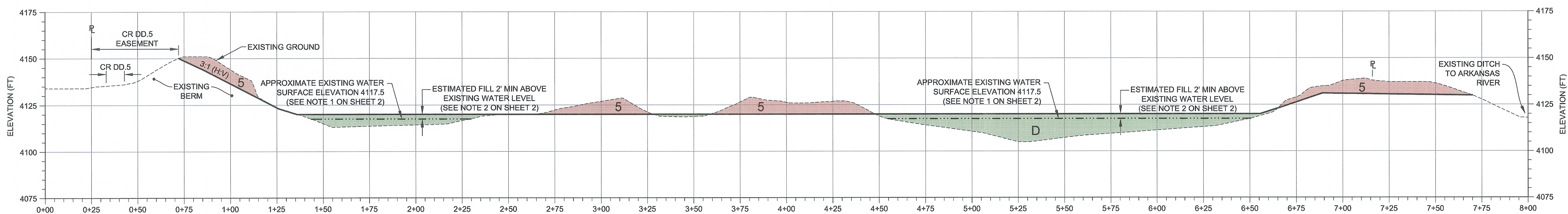
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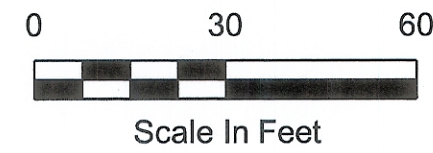
EAST LAKE CROSS SECTION A  
2 3



OPEN WATER POOL CROSS SECTION B  
2 3



CRYSTAL PIT CROSS SECTION C  
2 3



NOTES:  
1. FOR LEGEND SEE SHEET 2.

| REVISIONS |               |         |     | VALCO AGGREGATE MINE RECLAMATION |                  |             |        |
|-----------|---------------|---------|-----|----------------------------------|------------------|-------------|--------|
| NO.       | DESCRIPTION   | DATE    | BY  | Cross Sections                   |                  |             |        |
| 1.        | FINAL DRAWING | 6/13/11 | DHF | DEERE & AULT CONSULTANTS, INC.   |                  |             |        |
|           |               |         |     | DESIGNED BY: DHF                 | APPROVED BY: DHF | JOB NO.     | SHEET: |
|           |               |         |     | DRAWN BY: ITR                    | DATE: 6-13-11    | 0443.001.00 | 3 of 3 |
|           |               |         |     | CHECKED BY: GGC                  | SCALE: AS NOTED  |             |        |