



DEPARTMENT OF NATURAL RESOURCES

DIVISION OF WATER RESOURCES

December 16, 2011

John W. Hickenlooper
Governor

Mike King
Executive Director

Dick Wolfe, P.E.
Director/State Engineer

David L. Nettles, P.E.
Division Engineer

DEERE & AULT CONSULTANTS, INC.
DEREK H. FOSTER, P.E.
600 S. AIRPORT ROAD, BUILDING A, SUITE 205
LONGMONT, CO 80503

RE: SLURRY WALL LINER APPROVAL
KIRBY-DERSHAM RESERVOIR, WDID 0203386
PARKER-DERSHAM RESOURCE PIT, DRMS M-2006-003, WDID 0203026
BASELINE RESOURCE PIT, DRMS M-1997-058, WDID 0203017
E½ SE¼ S36-T1N-R67W, WATER DIVISION 1, WATER DISTRICT 2

Dear Derek:

The purpose of this letter is to approve the lining of the Kirby-Dersham Slurry Wall. The slurry wall is generally located in the E½ of the SE¼ of Section 36, Township 1 North, Range 67 West, abuts the adjacent Robert Walker Reservoir (WDID 0203358) and is a part of the Parker-Dersham Resource and Baseline Resource Gravel Pits. The slurry wall liner test commenced May 22, 2011 and concluded on September 8, 2011. A site inspection was performed by our office on September 8, 2011 to review site conditions and the leak test plan.

Your report dated December 12, 2011 provides the liner summary and 90-day leak test result. The test data provided indicates that the pit has been lined to the design standard referenced in the August 1999 State Engineer Guidelines for Lining Criteria for Gravel Pits (1999 SEO Guidelines). Meeting the design standard requires that all water inflows and outflows for the liner perimeter enclosed area must be accounted for on a monthly basis.

With this liner approval, the Kirby-Dersham Reservoir may be used to store water in accordance with the 1999 SEO Guidelines. Prior to ANY use of this site, the owner or operator will need to coordinate with the District 2 Water Commissioner, to review operations and accounting.

Please contact me at the number below if you have any questions.

Sincerely,


Jonathan M. Hernandez, P.E.
Water Resource Engineer

cc Bill Schneider, Acting District 2 Water Commissioner
Joanna Williams, Denver SEO
WDID File (0203017, 0203026, 0203386)

PREPARED FOR:

HALL-IRWIN CORPORATION
301 CENTENNIAL DRIVE
MILLIKEN, COLORADO 80553

- 1 COVER SHEET w/ VICINITY MAP
- 2 SITE PLAN & SUPPLEMENTAL PILES TABLE
- 3 SUMMARY LOGS OF EXPLORATORY BOREHOLES
- 4 KIRBY DERSHAM SLURRY WALL PROFILE
- 5 DETAILS
- 6 CROSS SECTIONS 30+50 TO 41+50
- 7 CROSS SECTIONS 42+50 TO 52+50

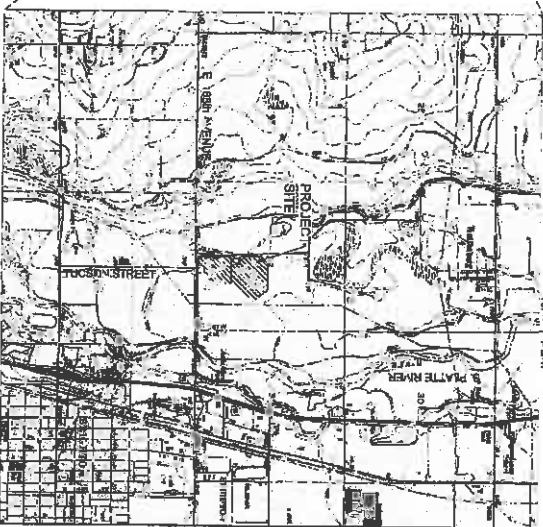
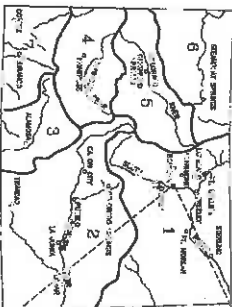
THESE PLANS ARE APPROVED FOR CONSTRUCTION

DATE: 3-12-09

THESE PLANS ARE APPROVED FOR CONSTRUCTION,
BY: [Signature] DATE: 5-5-69
HALL-LEWIN CONSTRUCTION

DEERE & AULT

DEBET & AULT
CONSULTANTS
600 S. AIRPORT RD., FIRM A, SUITE 205
LONGMONT, CO 80501
TEL: 303.661.4468 FAX: 303.661.4466
E-MAIL: info@debetandault.com
WWW: www.debetandault.com
Key Personnel: Chief: Joe Cordero, Principal: Joseph P. Cordero



NOTES:

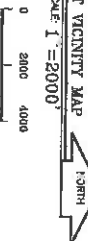
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NOTES: 1. THIS CONTRACT IS FOR THE DESIGN OF THE LIFTING AND DO NOT APPLY TO REDUCED PLAN SETS.

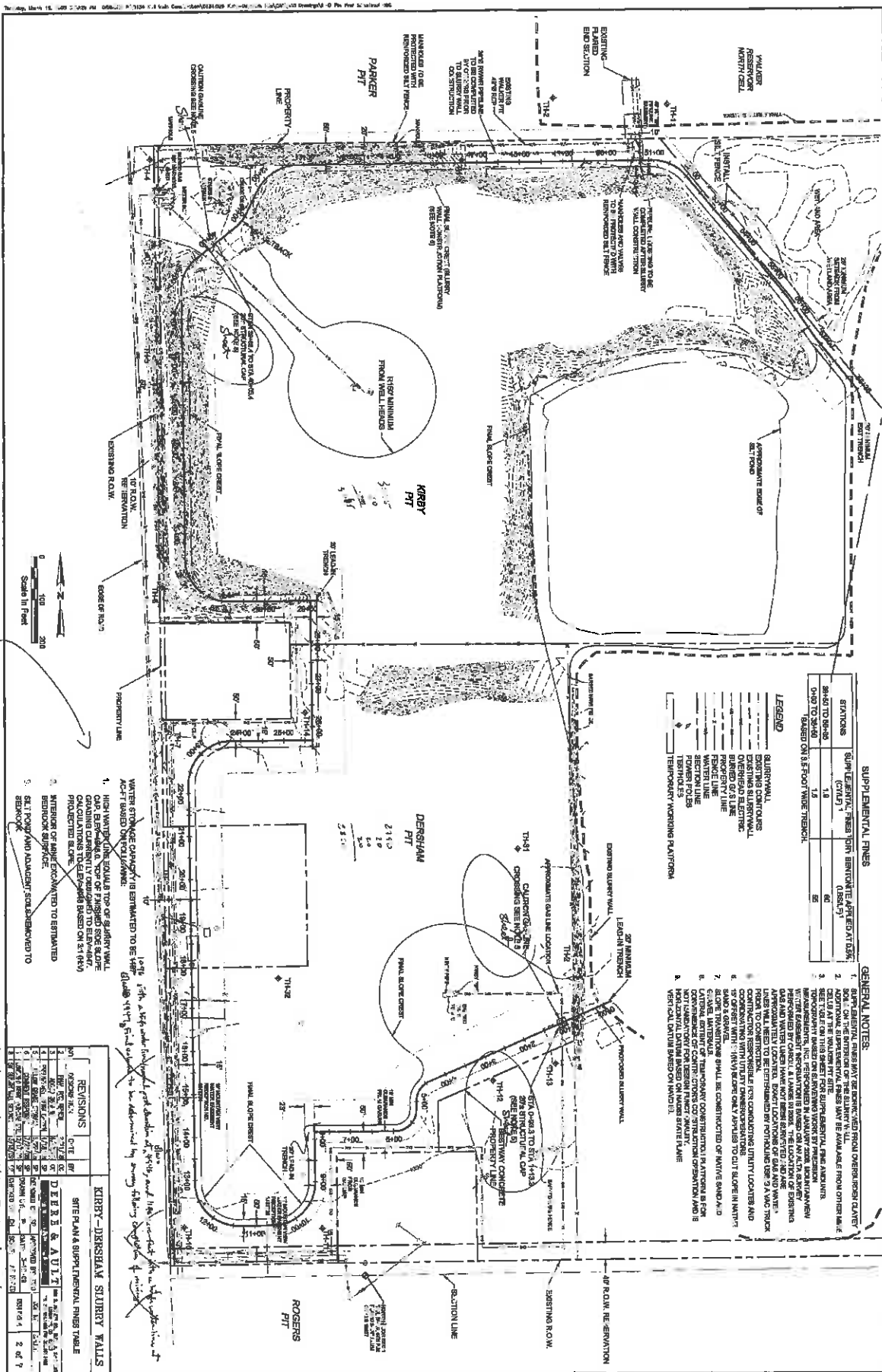
PROJECT VICINITY MAP

A. APPROX. SCALE: 1"=2000'



48 HOUR, BETTLE YOU SEE
CALL FOR BETTLE LOCATES
1-800-922-1987
CALL 24 HOURS - SPRINKLE WATER ONLY 4-0
GAS AND OR BELL RELATED PUMP N.E. ACTIONS

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	REVISED	12/1/81	SP
2	REVISED	12/1/81	SP
3	REVISED	12/1/81	SP
4	REVISED	12/1/81	SP
5	REVISED	12/1/81	SP
6	REVISED	12/1/81	SP
7	REVISED	12/1/81	SP
8	REVISED	12/1/81	SP



SUPPLEMENTAL FINES

STATIONS	SUPPLEMENTAL FINES	FINES
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- LEGEND**
- SLURRY WALL
 - EXISTING STRUCTURES
 - PROPOSED STRUCTURES
 - BURNED 6/5 LINE
 - PROPERTY LINE
 - SECTION LINE
 - WATER LINE
 - TEMPORARY WORKING PLATFORM

- GENERAL NOTES:**
1. ALL SLURRY WALLS SHALL BE CONSTRUCTED FROM 100% PORTLAND CEMENT.
 2. THE TOP OF THE SLURRY WALL SHALL BE FINISHED TO THE FINISH ELEVATION.
 3. THE SLURRY WALL SHALL BE CONSTRUCTED TO THE FINISH ELEVATION.
 4. THE SLURRY WALL SHALL BE CONSTRUCTED TO THE FINISH ELEVATION.
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 9. THE SLURRY WALL SHALL BE CONSTRUCTED TO THE FINISH ELEVATION.
 10. THE SLURRY WALL SHALL BE CONSTRUCTED TO THE FINISH ELEVATION.

High water line elevation to be determined as set forth in 705 of the Kirby-Dersham Agreement. Under previous agreement the will be determined by survey following the survey of the 1976 acre-foot with a high water line at 6' 2" or 4' 4" or 1' 10" acre-foot with a high water line at 6' 2" or 4' 4" or 1' 10" acre-foot.

2/1/80