Facility 441578
Received 4/24/2015
Document 2142964

Appendix 1: Form 15

01630592

FORM 15 Rev 6/99

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303)894-2100 Fax:(303)894-2109

FOR OGCC USE ONLY

EARTHEN PIT REPORT/PERMIT

This form is to be used for both reporting and permitting pits. Rule 903 describes when a Permit with prior approval, or a Report within 30 days, is required for pits. Submit required attachments and forms.

Complete the Attachment Checklist

	Oper	OGCC
Detailed Site Plan	✓	
Topo Map w/ Pit Location	✓	
Water Analysis (Form 25)		
Source Wells (Form 26)		
Pit Design/Plan & Cross Sect	✓	
Design Calculations	✓	
Sensitive Area Determ.	✓	
Mud Program		
Form 2A		

FORM SUBMITTED FOR:

☐ Pit Report ☑ Pit Permit

OGCC Operator Number: 19160

Name of Operator: ConocoPhillips Company

Address: 743 Horizon Court, Suite 101

City: Grand Junction State: CO Zip: 81506

Contact Name and Telephone: Justin B. Lovato

No: 970.263.3123

Fax: 970.263.3124

API Number (of associated well): 05-045-14532 OGCC Facility ID (of other associated facility): N. Parachute CP11A-05 A05 59

Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): NENE, Section 5, TWP 5, R96W, UTE 6PM

Latitude: 39.65019 Longitude: -108.18558 County: Garfield

Pit Use: ☑ Production ☐ Drilling (Attach mud program) ☐ Special Purpose (Describe Use):

Pit Type: ☑ Lined ☐ Unlined Surface Discharge Permit: ☐ Yes ☑ No

Offsite disposal of pit contents: ☐ Injection ☐ Commercial Pit/Facility Name: A05 Pit/Facility No: A05

Attach Form 26 to identify Source Wells and Form 25 to provide Produced Water Analysis results.

Existing Site Conditions

Is the location in a "Sensitive Area?" ☐ Yes ☑ No **Attach data used for determination.**

Distance (in feet) to nearest surface water: 545 feet ground water: > 20 feet water wells: > 5280 feet

LAND USE (or attach copy of Form 2A if previously submitted for associated well) Select one which best describes land use:

Crop Land: ☐ Irrigated ☐ Dry Land ☐ Improved Pasture ☐ Hay Meadow ☐ CRP

Non-Crop Land: ☑ Rangeland ☐ Timber ☐ Recreational ☐ Other (describe):

Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

SOILS (or attach copy of Form 2A if previously submitted for associated well)

Soil map units form USNRCS survey: Sheet No: N/A (WSS) Soil Complex/Series No: 50 and 55

Soils Series Name: Irigul-Starman channery loams Horizon thickness (in inches): A: 0-6 ; B: 6-13 ; C: 13-17

Soils Series Name: Parachute- Irigul complex Horizon thickness (in inches): A: 0-10 ; B: 10-25 ; C: 25-29

Attach detailed site plan and topo map with pit location.

Pit Design and Construction

Size of pit (feet): Length: 280 Width: 80 Depth: 15

Calculated pit volume (bbls): 25,562 Daily inflow rate (bbls/day): variable

Daily disposal rates (attach calculations): Evaporation: minimal bbls/day Percolation: N/A bbls/day

Type of liner material: Reinforced Polyethylene Thickness: 36 mil top layer/ 24 mil bottom layer

Attach description of proposed design and construction (include sketches and calculations).

Method of treatment of produced water prior to discharge into pit (separator, heater treater, other): Separator

Is pit fenced? ☐ Yes ☑ No Is pit netted? ☑ Yes ☐ No

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Print Name: Justin B. Lovato Signed:

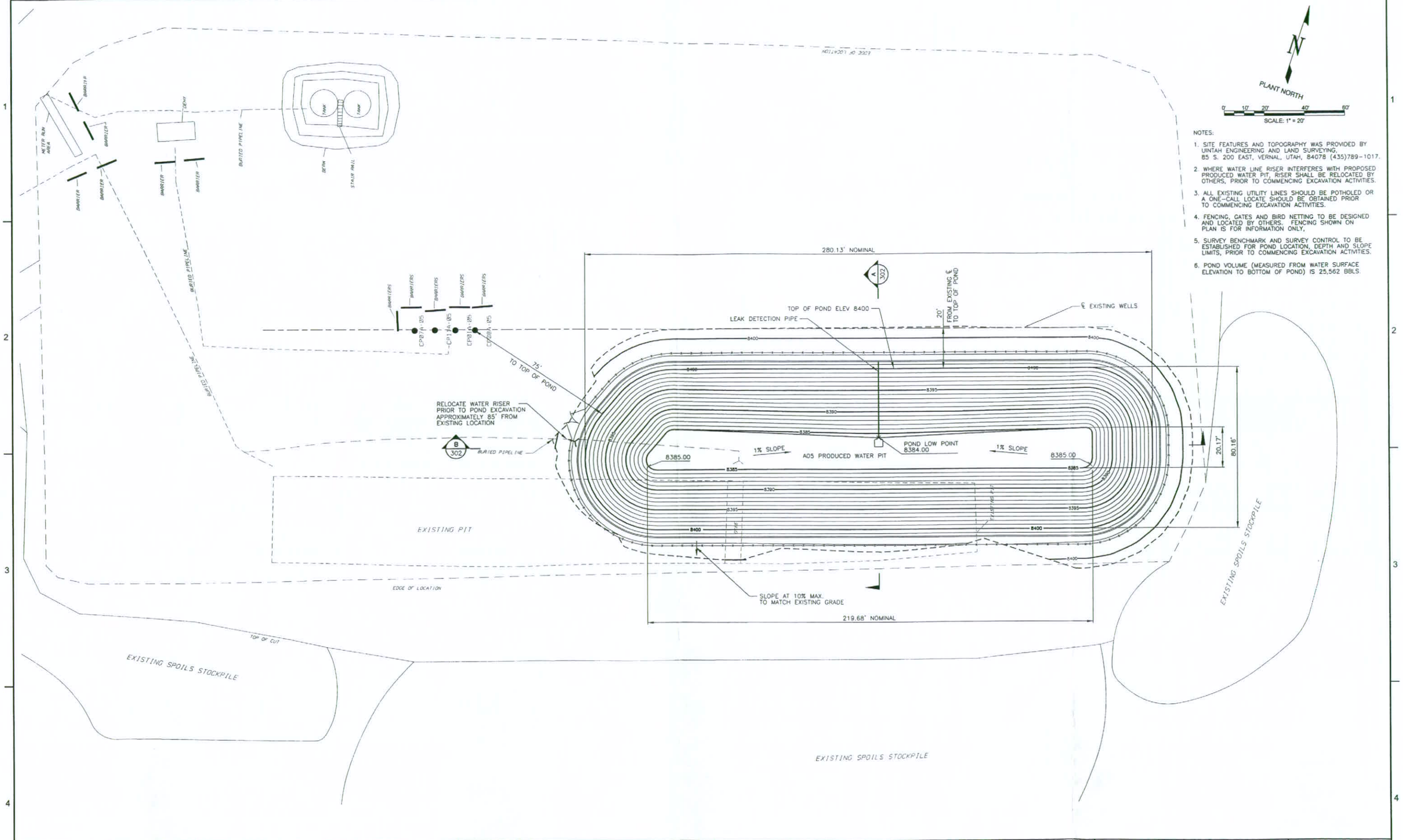
Title: Regulatory Specialist Date: 10-25-2008

OGCC Approved: Chris Canfield Title: EPS - NW Area Date: 11/13/09

CONDITIONS OF APPROVAL, IF ANY:

FACILITY NUMBER: 414392

VAK



NOTES:

1. SITE FEATURES AND TOPOGRAPHY WAS PROVIDED BY UINTAH ENGINEERING AND LAND SURVEYING, 85 S. 200 EAST, VERNAL, UTAH, 84078 (435)789-1017.
2. WHERE WATER LINE RISER INTERFERES WITH PROPOSED PRODUCED WATER PIT, RISER SHALL BE RELOCATED BY OTHERS, PRIOR TO COMMENCING EXCAVATION ACTIVITIES.
3. ALL EXISTING UTILITY LINES SHOULD BE POTHOLED OR A ONE-CALL LOCATE SHOULD BE OBTAINED PRIOR TO COMMENCING EXCAVATION ACTIVITIES.
4. FENCING, GATES AND BIRD NETTING TO BE DESIGNED AND LOCATED BY OTHERS. FENCING SHOWN ON PLAN IS FOR INFORMATION ONLY.
5. SURVEY BENCHMARK AND SURVEY CONTROL TO BE ESTABLISHED FOR POND LOCATION, DEPTH AND SLOPE LIMITS, PRIOR TO COMMENCING EXCAVATION ACTIVITIES.
6. POND VOLUME (MEASURED FROM WATER SURFACE ELEVATION TO BOTTOM OF POND) IS 25,562 BBLS.

DWG NO.	DESCRIPTION
	REFERENCE DRAWINGS

NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR PERMIT	10/24/08	MCL
A	ISSUED FOR CLIENT REVIEW	10/21/08	MCL

REVISIONS

COLORADO REGISTERED PROFESSIONAL ENGINEER 35121

SCALE:	1"-20'	DATE
DESIGNED:	E. CURTIS	10/21/08
DRAWN:	E. TRUJILLO	10/21/08
CHECKED:		
APPROVED:		
APPROVED:		

CLIENT: ConocoPhillips

LOCATION: Parachute, CO

ConocoPhillips

Samuel Engineering, Inc.
We Provide Solutions
8450 E. CRESCENT PARKWAY
GREENWOOD VILLAGE, CO 80111
Phone: 303.714.4840
Fax: 303.714.4800

TITLE: A-05 PRODUCED WATER PIT DESIGN GRADING PLAN

PROJECT NO. 8053-05

DRAWING NUMBER 100-CE-301 REV. 0

A05 Topographic Facility Site Map

ConocoPhillips

Revision Date: 9/23/08

Surface Landowner

- Bureau of Land Management
- State
- Private
- Other Federal

Other Structural and Non-structural

- Guardshack
- Lavatory
- County Line
- Lease Boundary
- Streams

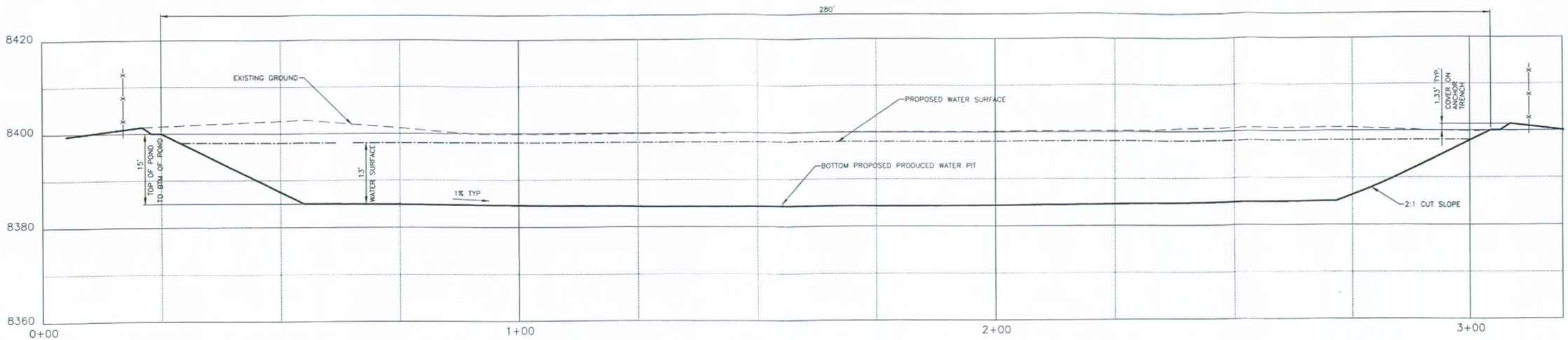
Comments:

N W E S

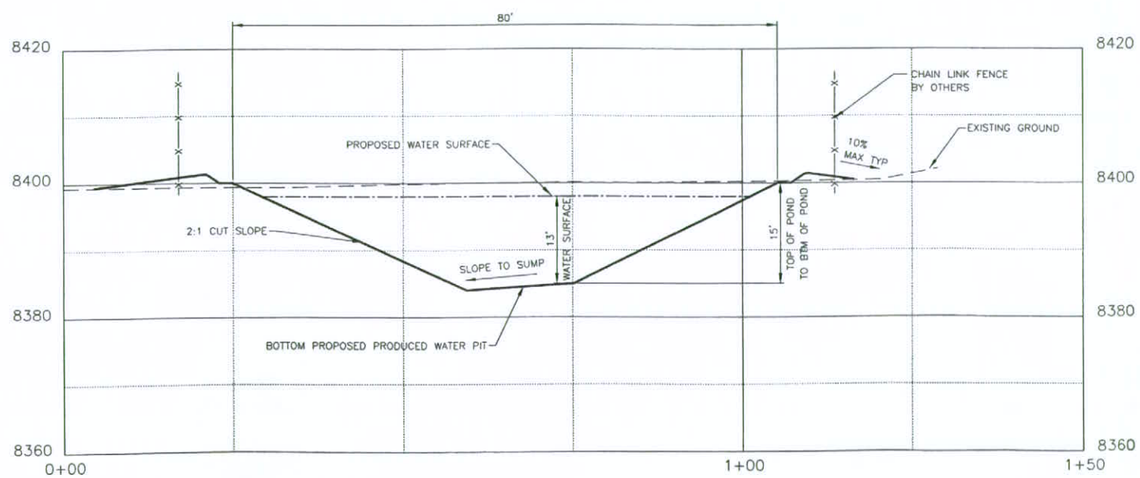
HRL COMPLIANCE SOLUTIONS, INC.
Environmental Consulting

0 180 360 720 1,080 1,440 Feet

0 0.025 0.05 0.1 0.15 0.2 0.25 Miles



SECTION "A-A"



SECTION "B-B"

DWG NO.	DESCRIPTION
REFERENCE DRAWINGS	

NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR PERMIT	10/24/08	M.L.L.
A	ISSUED FOR CLIENT REVIEW	10/21/08	MCL

REVISIONS

COLORADO REGISTERED MICHAEL L. LAMBERT 35121 PROFESSIONAL ENGINEER

SCALE:	1"=10'	
DESIGNED:	E. CURTIS	10/21/08
DRAWN:	E. TRUJILLO	10/21/08
CHECKED:		
APPROVED:		
APPROVED:		

CLIENT: ConocoPhillips

LOCATION: Parachute, CO

ConocoPhillips

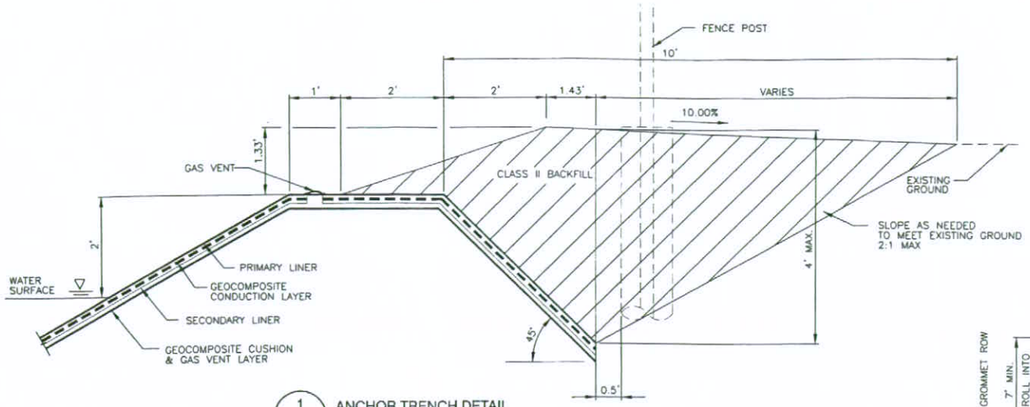
Samuel Engineering, Inc.
We Provide Solutions
8450 E. CRESCENT PARKWAY
GREENWOOD VILLAGE, CO 80111
Phone: 303.714.4840
Fax: 303.714.4800

TITLE
A-05 PRODUCED WATER PIT DESIGN
SECTIONS AND DETAILS, SHEET 1 OF 2

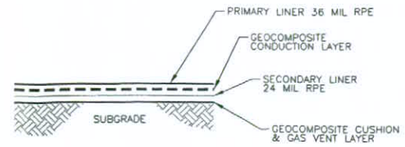
PROJECT NO.
8053-05

DRAWING NUMBER
100-CE-302

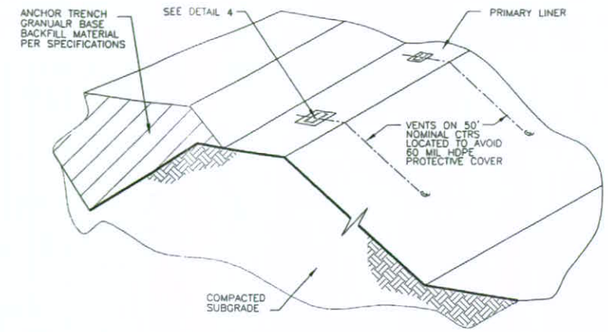
REV. 0



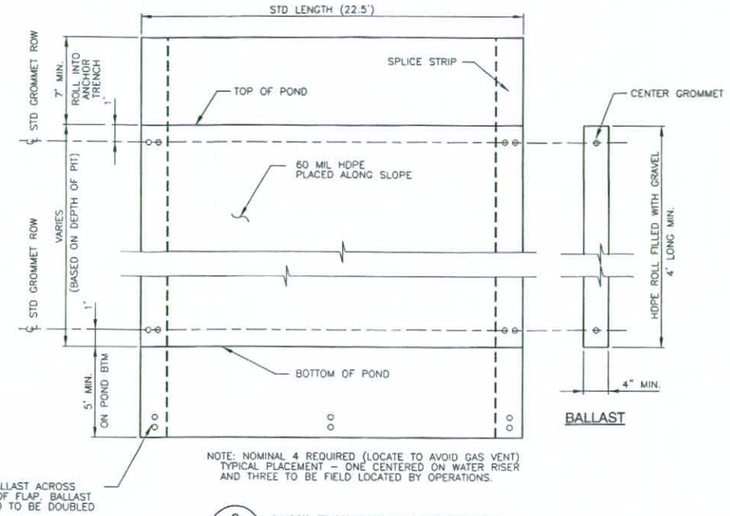
1 ANCHOR TRENCH DETAIL
N.T.S.



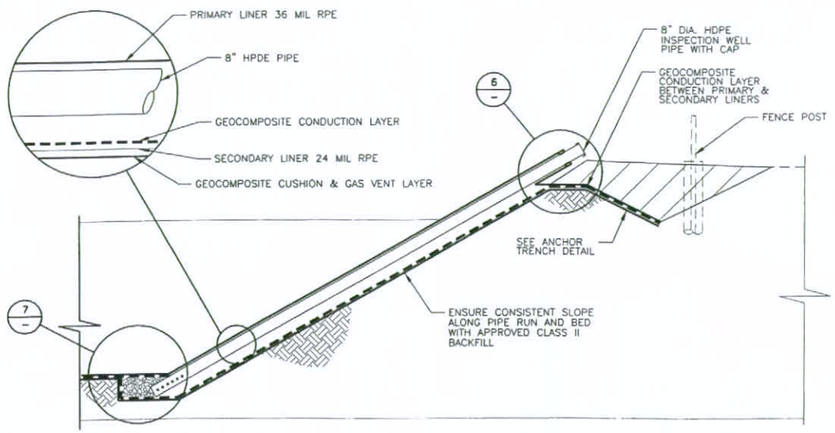
2 TYPICAL POND LINING SYSTEM DETAIL
NTS



3 GAS VENT LOCATION DETAIL
N.T.S.

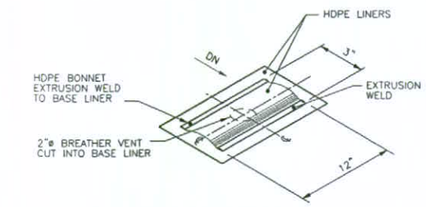


8 60 MIL FLAP (LINER PROTECTION)
N.T.S.

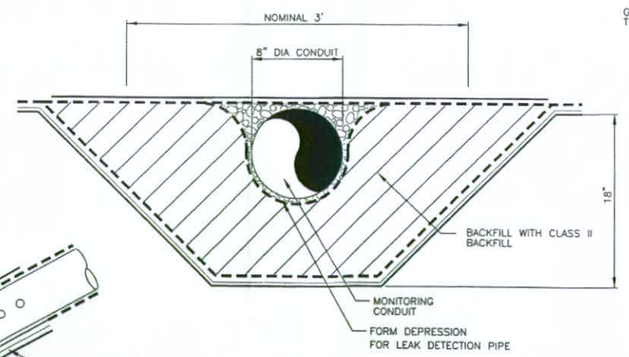


5 LEAK DETECTION WELL DETAIL WITH PIPE RESTING ON SLOPE GRADE
N.T.S.

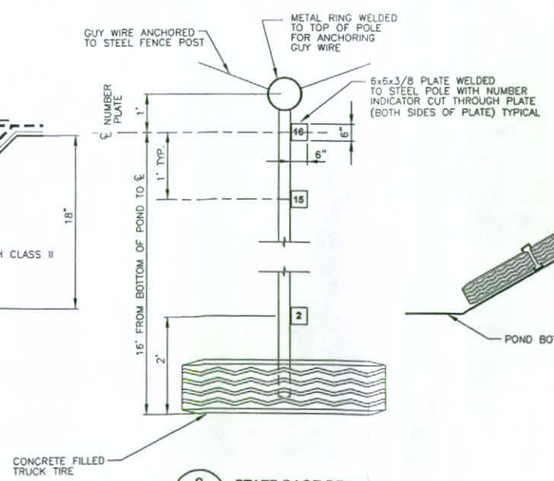
NOTE: POND BOTTOM TO BE SLOPED TOWARDS SUMP PIT. SEE GRADING PLAN FOR ELEVATIONS.



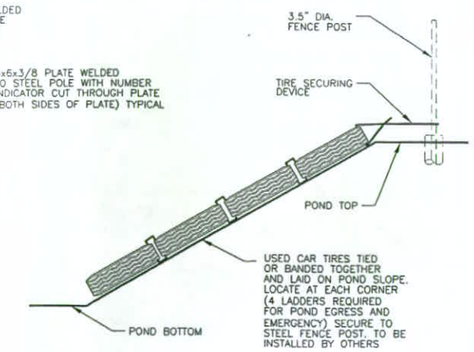
4 AIR/GAS VENT DETAIL
N.T.S.



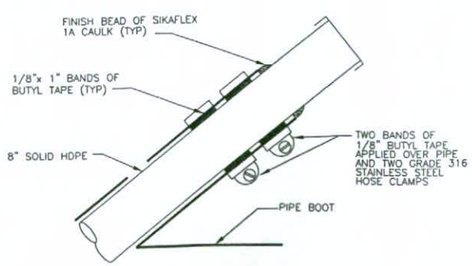
A SECTION
N.T.S.



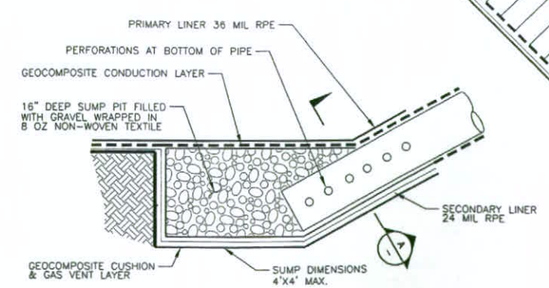
9 STAFF GAGE DETAIL
N.T.S. (TYPICAL)



10 TIRE LADDER
N.T.S. (TYPICAL)



6 PIPE BOOT SEALING DETAIL
N.T.S.



7 SUMP PIT FILLED WITH GRAVEL
N.T.S.

DWG NO.	DESCRIPTION
REFERENCE DRAWINGS	

NO.	DESCRIPTION	DATE	BY
REVISIONS			

NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR PERMIT	10/24/08	MCL
A	ISSUED FOR CLIENT REVIEW	10/21/08	MCL
REVISIONS			

COLORADO REGISTERED MICHAEL C. LAMBERT 35121 PROFESSIONAL ENGINEER

		DATE
SCALE:	NONE	
DESIGNED:	M. LAMBERT	10/21/08
DRAWN:	E. TRUJILLO	10/21/08
CHECKED:		
APPROVED:		
APPROVED:		

CLIENT: ConocoPhillips
LOCATION: Parachute, CO

ConocoPhillips

Samuel Engineering, Inc.
We Provide Solutions
8460 E. CRESCENT PARKWAY
GREENWOOD VILLAGE, CO 80111
Phone: 303.714.4840
Fax: 303.714.4806

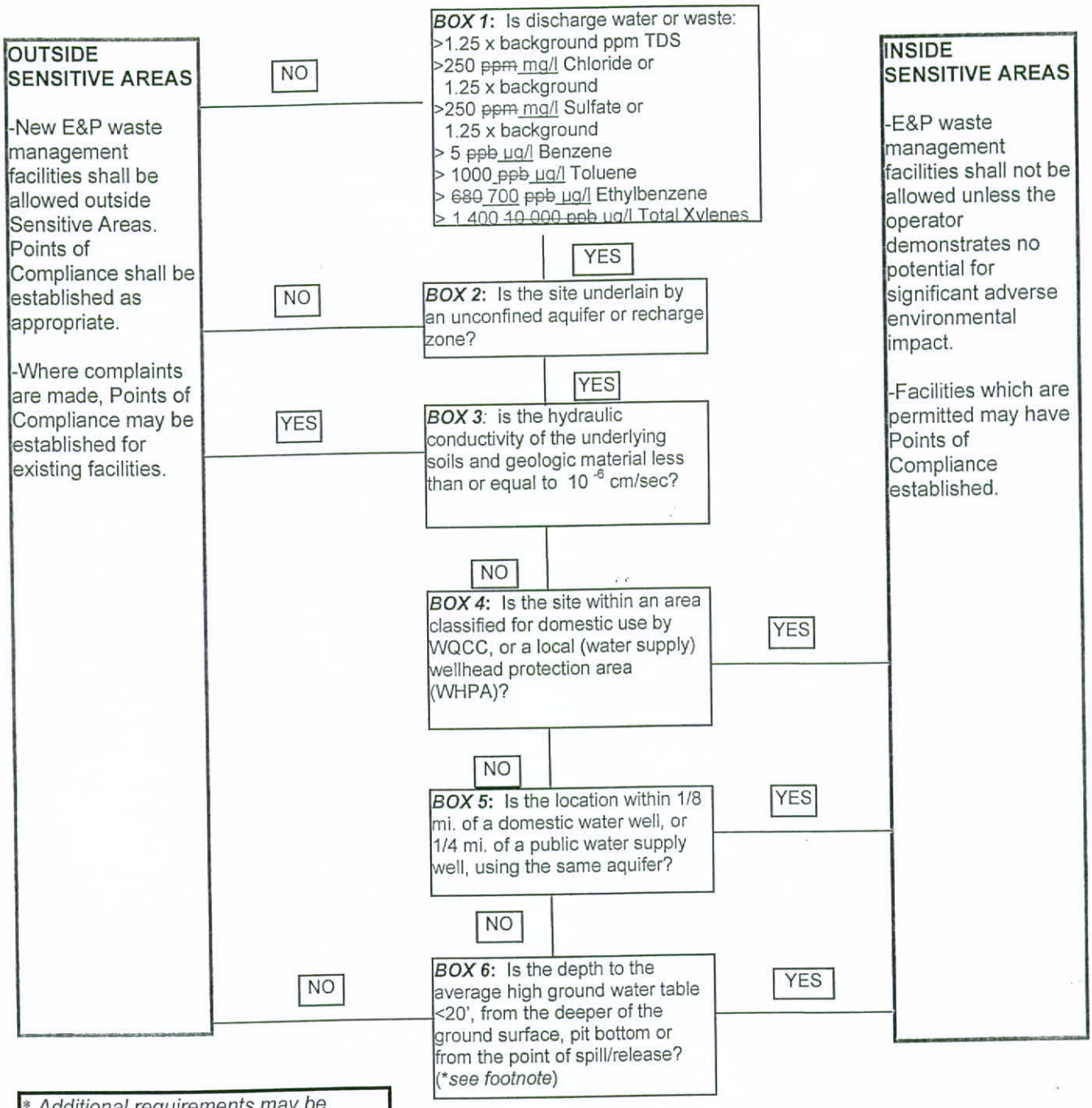
TITLE: A-05 PRODUCED WATER PIT DESIGN SECTIONS AND DETAILS, SHEET 2 OF 2

PROJECT NO. 8053-05

DRAWING NUMBER 100-CE-303

REV 0

Figure 901-1
SENSITIVE AREA DETERMINATION
Decision Tree



** Additional requirements may be imposed by the Director in accordance with Rule 901.c.*