



01630591

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

FORM SUBMITTED FOR: [] Pit Report [x] Pit Permit

Attachment Checklist table with columns for Oper and OGCC, and rows for Detailed Site Plan, Topo Map, Water Analysis, etc.

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): 05-045-14817 OGCC Facility ID (of other associated facility): cp14D-07 N-07 59 NPR
Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): Lot 4, Section 7, TWP 5S, R96W, UTE 6PM
Latitude: 39.62314 Longitude: -108.213044 County: Garfield
Pit Use: [x] Production [] Drilling [] Special Purpose
Pit Type: [x] Lined [] Unlined Surface Discharge Permit: [] Yes [x] No
Attach Form 26 to identify Source Wells and Form 25 to provide Produced Water Analysis results.

Existing Site Conditions

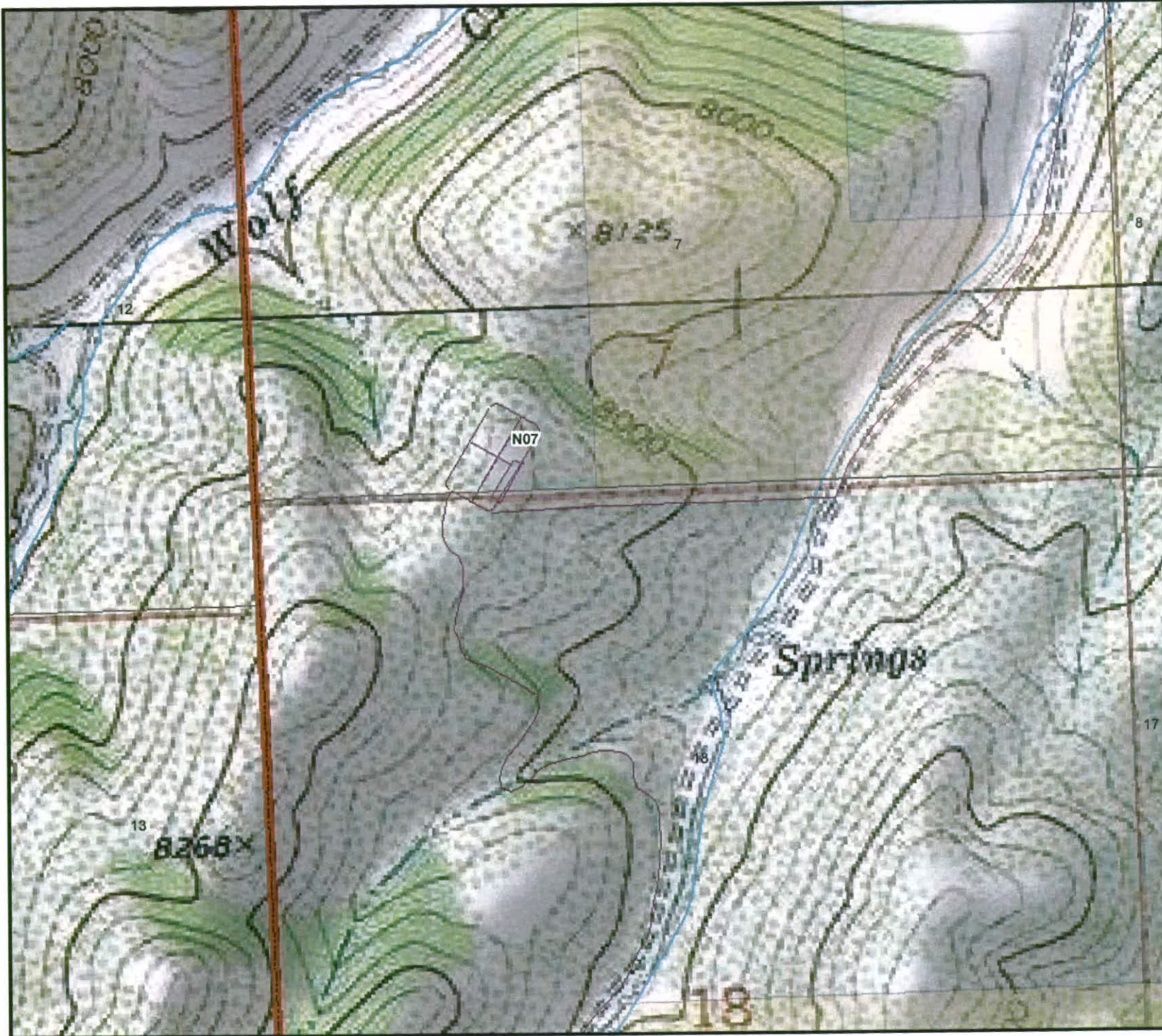
Is the location in a "Sensitive Area?" [] Yes [x] No Attach data used for determination.
Distance (in feet) to nearest surface water: 441 feet ground water: > 20 feet water wells: > 5280 feet
LAND USE (or attach copy of Form 2A if previously submitted for associated well) Select one which best describes land use:
Crop Land: [] Irrigated [] Dry Land [] Improved Pasture [] Hay Meadow [] CRP
Non-Crop Land: [x] 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: 56
Soils Series Name: Parachute-Iriqul-Rhone Association Horizon thickness (in inches): A: 10 ; B: 39 ; C: 55
Attach detailed site plan and topo map with pit location.

Pit Design and Construction

Size of pit (feet): Length: 222 Width: 97.25 Depth: 15
Calculated pit volume (bbls): 28,203 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? [x] Yes [] No Is pit netted? [] Yes [x] 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: [Signature]
Title: Regulatory Specialist Date: 10-25-2008
OGCC Approved: [Signature] Title: EPS - NW-Avea Date: 11/03/09
CONDITIONS OF APPROVAL, IF ANY: FACILITY NUMBER: 414391

VAK



N07 Topographic Facility Site Map



Revision Date: 3/21/08

Surface Landowner

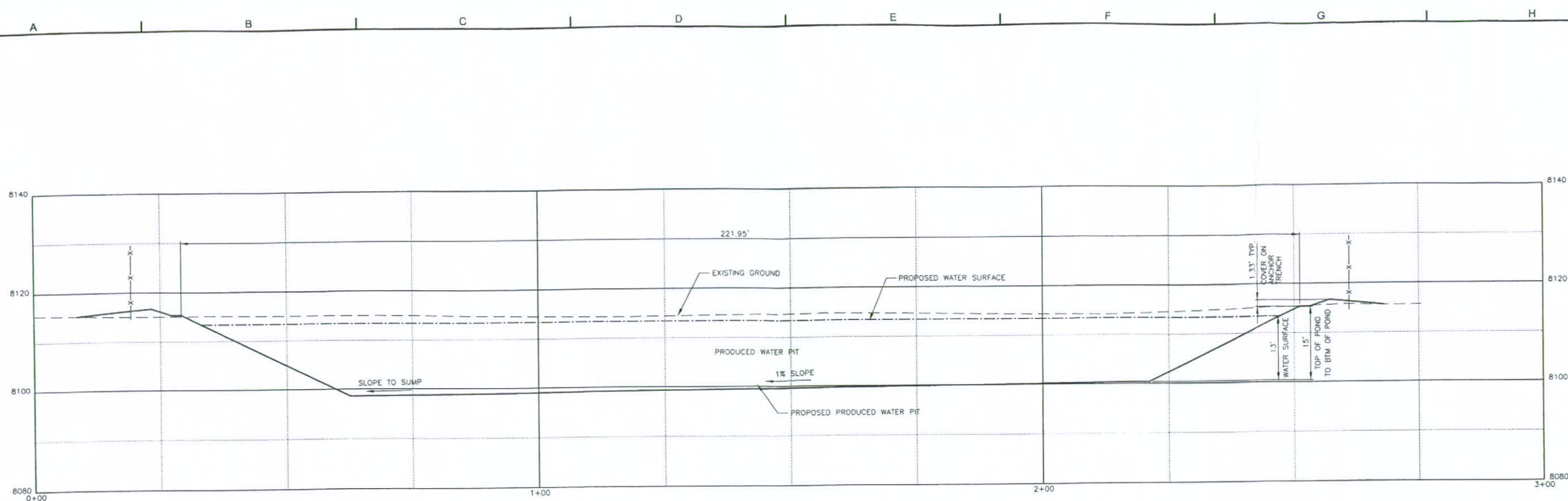
Bureau of Land Management	State
Private	Other Federal

Other Structural and Non-structural

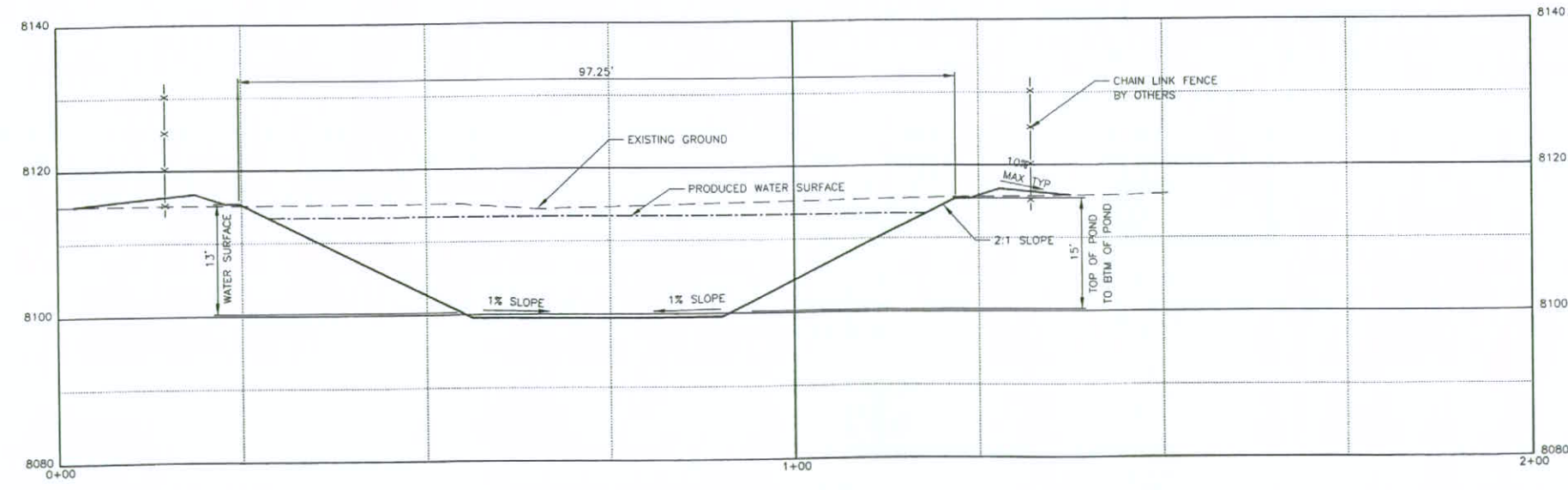
County Line
Lease Boundary
Main and Auxiliary Roadway
Pad Location
Streams

Comments:





SECTION 'A-A'

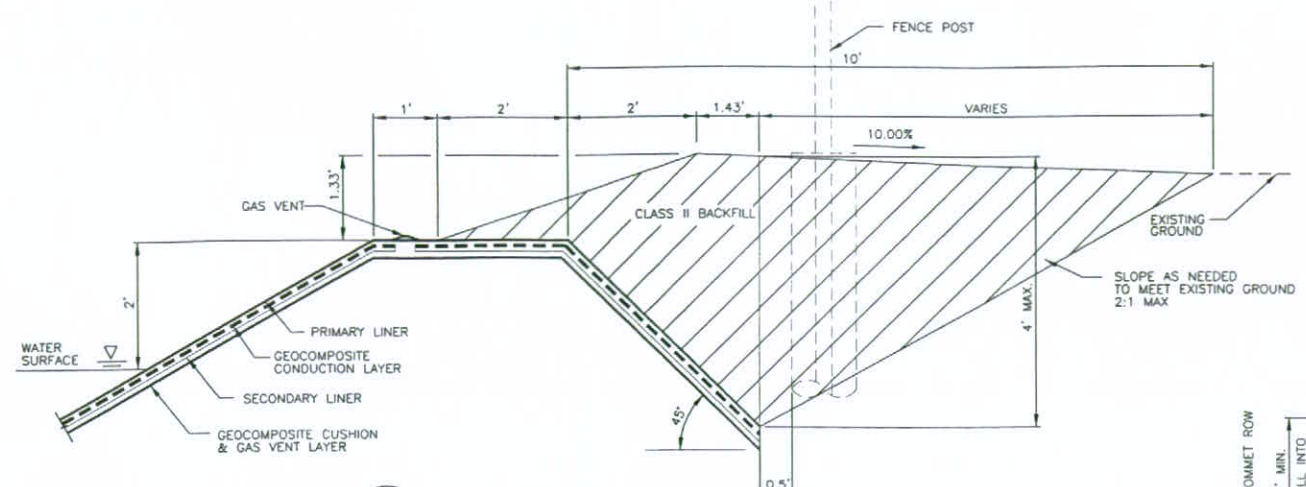


SECTION 'B-B'

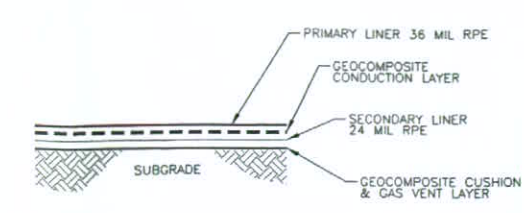
REFERENCE DRAWINGS		REVISIONS		REVISIONS		DESIGNED		DATE		CLIENT		TITLE		PROJECT NO.	
NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	DATE	BY	DATE	BY	CONOCO/PHILLIPS	CONOCO/PHILLIPS	N-07 PRODUCED WATER PIT DESIGN SECTIONS AND DETAILS, SHEET 1 OF 2		8053-03	
1		1		1		10/21/08	MCL	10/21/08	E. TRUJILLO	PARACHUTE, CO	SE Samuel Engineering, Inc.	100-CE-302		0	
2		2		2		10/21/08	MCL								
3		3		3											
4		4		4											



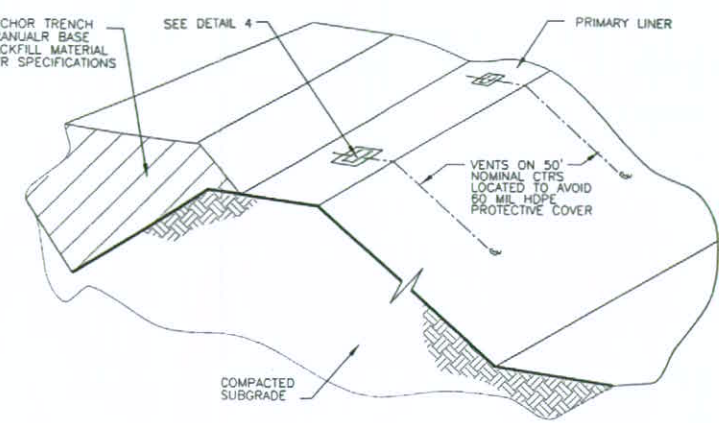
SE Samuel Engineering, Inc.
 We Provide Solutions
 8450 E. CRESCENT PARKWAY
 GREENWOOD VILLAGE, CO 80111
 Phone: 303.714.4840
 Fax: 303.714.4810



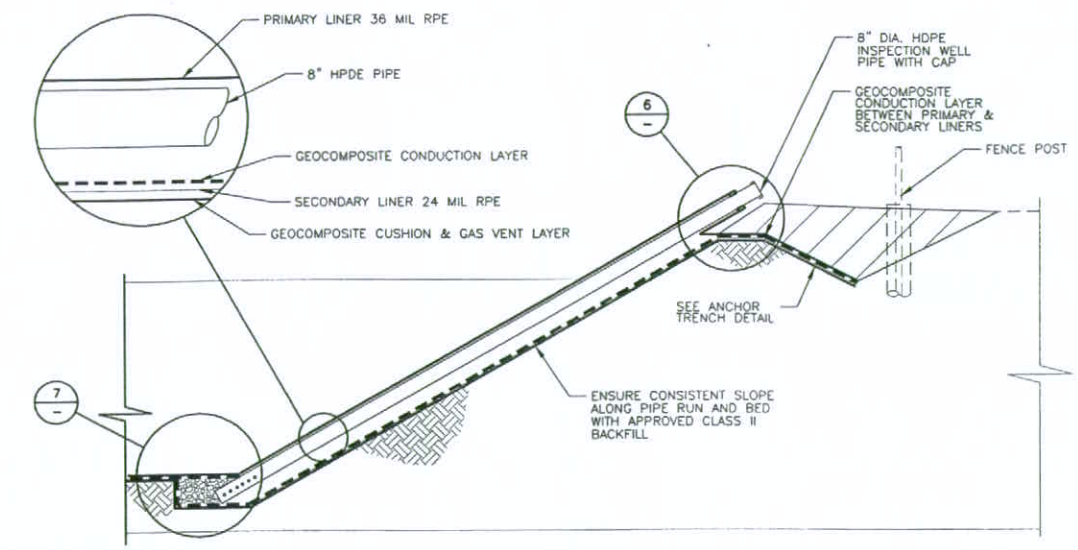
1 ANCHOR TRENCH DETAIL
- N.T.S.



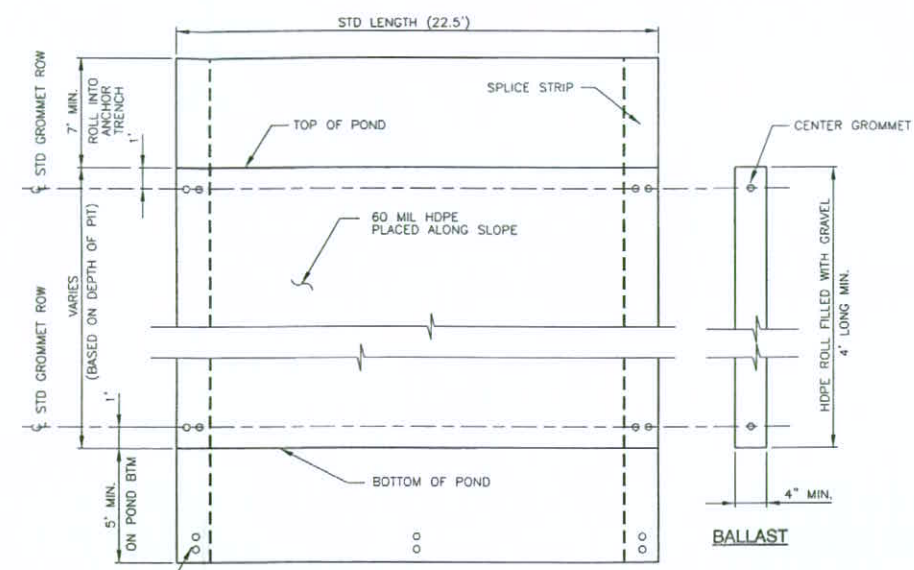
2 TYPICAL POND LINING SYSTEM DETAIL
- N.T.S.



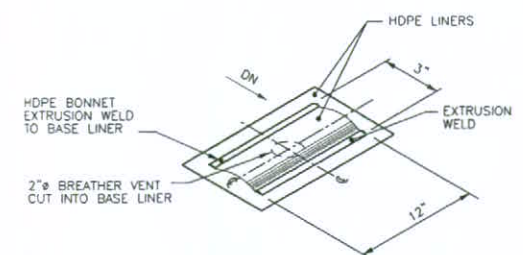
3 GAS VENT LOCATION DETAIL
- N.T.S.



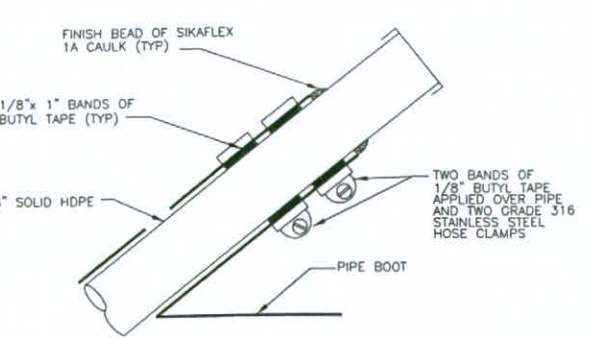
5 LEAK DETECTION WELL DETAIL WITH PIPE RESTING ON SLOPE GRADE
- N.T.S.
NOTE: POND BOTTOM TO BE SLOPED TOWARDS SUMP PIT. SEE GRADING PLAN FOR ELEVATIONS.



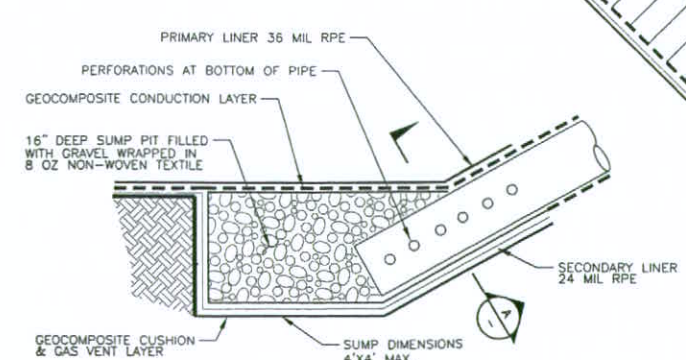
8 60 MIL FLAP (LINER PROTECTION)
- N.T.S.



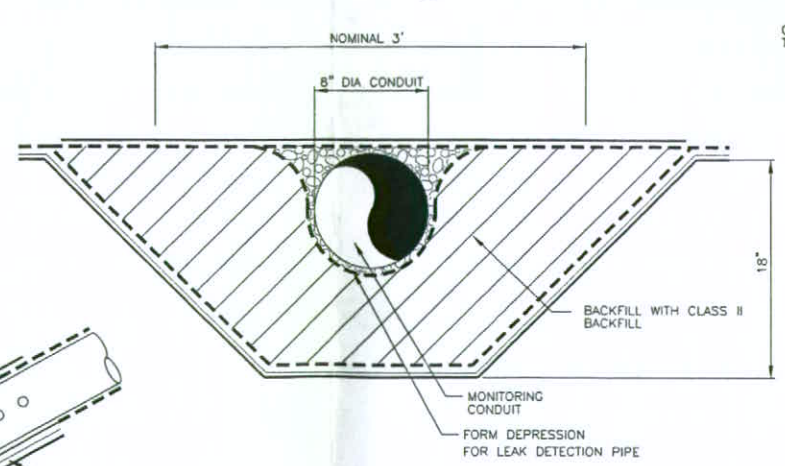
4 AIR/GAS VENT DETAIL
- N.T.S.



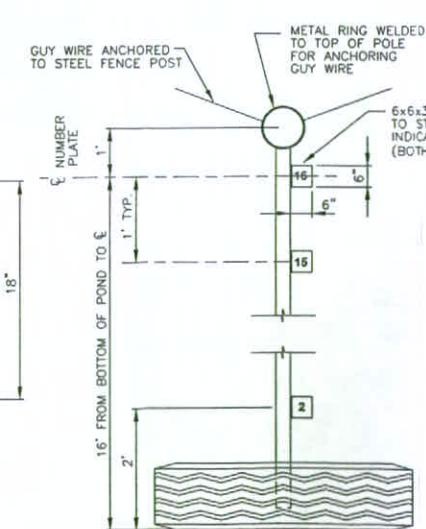
6 PIPE BOOT SEALING DETAIL
- N.T.S.



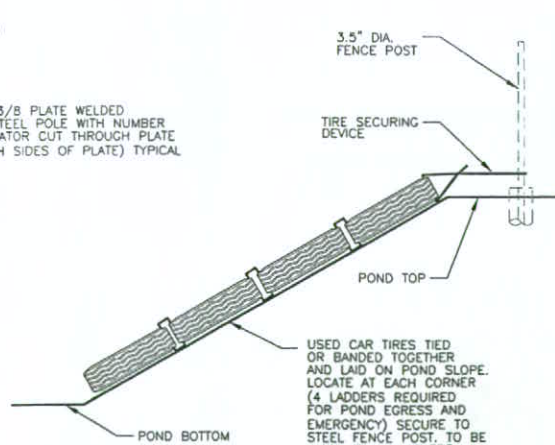
7 SUMP PIT FILLED WITH GRAVEL
- N.T.S.



A SECTION
- N.T.S.



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



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

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

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

SCALE: N.T.S.	DATE: 10/21/08	CLIENT: ConocoPhillips	TITLE: N-07 PRODUCED WATER PIT DESIGN SECTIONS AND DETAILS, SHEET 2 OF 2	PROJECT NO.: 8053-03
DRAWN: E. TRUJILLO	LOCATION: Parachute, CO	CONOCO PHILLIPS		DRAWING NUMBER: 100-CE-303
CHECKED: [Signature]	APPROVED: [Signature]	SAMUEL ENGINEERING, INC.		REV: 0
APPROVED: [Signature]		8450 E. CRESCENT PARKWAY GREENWOOD VILLAGE, CO 80111		

**Figure 901-1
SENSITIVE AREA DETERMINATION
Decision Tree**

OUTSIDE SENSITIVE AREAS

-New E&P waste management facilities shall be allowed outside Sensitive Areas. Points of Compliance shall be established as appropriate.

-Where complaints are made, Points of Compliance may be established for existing facilities.

INSIDE SENSITIVE AREAS

-E&P waste management facilities shall not be allowed unless the operator demonstrates no potential for significant adverse environmental impact.

-Facilities which are permitted may have Points of Compliance established.

BOX 1: Is discharge water or waste:
>1.25 x background ppm TDS
>250 ppm mg/l Chloride or 1.25 x background
>250 ppm mg/l Sulfate or 1.25 x background
> 5 ppb ug/l Benzene
> 1000 ppb ug/l Toluene
> 680 700 ppb ug/l Ethylbenzene
> 1 400 40 000 ppb ug/l Total Xylenes

NO

YES

BOX 2: Is the site underlain by an unconfined aquifer or recharge zone?

NO

YES

BOX 3: is the hydraulic conductivity of the underlying soils and geologic material less than or equal to 10^{-6} cm/sec?

YES

NO

BOX 4: Is the site within an area classified for domestic use by WQCC, or a local (water supply) wellhead protection area (WHPA)?

YES

NO

BOX 5: Is the location within 1/8 mi. of a domestic water well, or 1/4 mi. of a public water supply well, using the same aquifer?

YES

NO

BOX 6: Is the depth to the average high ground water table <20', from the deeper of the ground surface, pit bottom or from the point of spill/release? (*see footnote)

NO

YES

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