

P S O M A S

Information and Engineering Solutions

January 20, 2005

Ms. Pam Grubaugh Littig
DIVISION OF OIL, GAS, & MINING
 1594 West North Temple, Suite 1210
 Salt Lake City, Utah 84114-5801

Re: ConocoPhillips Operations and the SCA-Starpoint Mine
 8CON010100

*Conoco
 C/007/042
 Copy letter
 for Karl H.*

Dear Pam:

ConocoPhillips intends to seek DOGM approval to conduct gas well operations in an area currently within the permit boundaries of the SCA-Starpoint surface coal mining operation (permit C/007/042). As such, a variety of issues are being addressed in order to make the proposed permit changes and to comply with the applicable coal permitting regulations of R645-301. As part of this process, we will need to apply for a Post-Mining Land Use change. Some of the information and elements that are required to accomplish this task are attached.

We look forward to discussing each of these important issues with you. If you have any questions or would like to discuss anything further, please feel free to contact me at 801-270-5777 or at scarlson@psomas.com.

Sincerely,

P S O M A S



S. Scott Carlson, PE, PLS
 Senior Project Manager

SSC:BRH:brh
 Enclosure

cc: Jean Semborski, ConocoPhillips
 Rusty Netz, SCA

RECEIVED
 JAN 20 2005
 DIV. OF OIL, GAS & MINING

2825 E. Cottonwood Parkway
 Suite 120
 Salt Lake City, UT 84121
 801.270.5777
 801.270.5782 Fax
 www.psomas.com

Background

ConocoPhillips intends to construct and operate the necessary facilities to support a gas well in an area currently permitted for coal mining operations by Sunnyside Cogeneration Associates (SCA). The attached maps and drawings indicate where the proposed well pad is located as well as the access route from County Road 290. To allow for this, a variety of issues will need to be addressed in order to modify the existing surface coal mine permit (C/007/042) and its associated application. An application for a Post-Mining Land Use (PMLU) change will be needed along with the appropriate reclamation activities and any other requirements of the applicable coal rules and regulations contained in R645-301.

Approved PMLU

The current and approved Post-Mining Land Use (PMLU) is described in detail in Section 400 to the SCA Star Point Waste Fuel permit application. These uses were designed to be the same or similar to the pre-mining land use in the permitted area. These uses are identified as livestock grazing, wildlife habitat, some recreational use (e.g., hunting, ATVs, camping), and forestry in areas belonging to the Bureau of Land Management (BLM). County Road 290 would remain as a county road following the final reclamation efforts as described in the reclamation plan.

Proposed Alternative PMLU

The proposed alternative PMLU is for industrial use with the installation and operation of a gas well in the southwestern portion of the permit area (see attached drawings and maps). A well pad will be constructed near the perimeter of the coal refuse pile to support well drilling and operations. The anticipated starting date for construction is April 2005. Agreements between SCA and ConocoPhillips will allow for the sharing of the existing primary access road coming from County Road 290. This road will be shared by both parties up to the BLM property line. The road will be used for gas well operations south of the BLM property line. With other gas wells in the vicinity, the proposed PMLU for the area described herein will not interfere with the wildlife, grazing, recreational, and forestry uses for the remaining portions of the permitted area.

Additional Documentation

As per R645-301-400, other documents and agreements may be needed for final approval of the proposed alternative PMLU. These include:

- hydrologic and hydraulic calculations to ensure runoff diversion as well as runoff and sediment control
- business plans and timelines for the proposed gas well operation

- consent letter and/or agreements from an authorized agent of the permittee
- consent letter and/or agreements from land owner
- consent letter and/or agreements from local government
- copies of the environmental permits or permit applications from the responsible regulatory agencies for the proposed post-mining activities

BOUNDARY DESCRIPTION PARCEL 1: (FEE SIMPLE PROPERTY)

A parcel of land lying South of County Road 290 and situate in the South Half of the South Half of Section 10, Township 15 South, Range 8 East, Salt Lake Base and Meridian, Carbon County, Utah. Comprising 107.59 acres more or less out of those certain parcels of land owned in fee simple by Cyprus Plateau Mining Corporation, a Delaware Corporation, evidenced by that certain Quit Claim Deed recorded as Entry Number 61467, in Book 393, at Pages 487 - 504 of the Carbon County Records. Basis of Bearing for subject parcel being North 89°30'09" East 5246.46 feet (measured) along the South line of the South Half of said Section 10. Subject parcel being more particularly described as follows:

Beginning at the 2 (two) inch iron pipe monumentizing the Southwest corner of said Section 10; Thence North 89°30'09" East 5246.46 feet (North 89°51' East 79.48 chains, 5245.68 feet, per the Bureau of Land Management Dependent Resurvey of a portion of the Third Standard Parallel, executed by Daniel T. Mates under the supervision of Glen B. Hatch, July 12 through September 3, 1976, under Special Instructions dated May 28, 1976, for Group Number 566, Utah) coincident with the South line of said Section 10 to the 3 (three) inch brass cap monument monumentizing the Southeast Corner thereof; Thence North 01°39'09" East (North 02°01' East per said Dependent Resurvey) 1056.17 feet, coincident with the East line of the Southeast Quarter of said Section 10 to a point on the Southerly Right of Way line of County Road 290; Thence the following 29 (Twenty Nine) courses coincident with said Southerly Right of Way, (1) South 88°11'31" West 464.63 feet to a point of curvature; (2) Southwesterly 178.81 feet along the arc of a 817.00 foot radius curve to the left (center bears South 01°48'29" East) through a central angle of 12°32'22" to a point of tangency; (3) South 75°39'09" West 501.71 feet to a point of curvature; (4) Westerly 679.31 feet along the arc of a 1533.00 foot radius curve to the right (center bears North 14°20'51" West) through a central angle of 25°23'21" to a point of tangency; (5) North 78°57'30" West 165.44 feet; (6) North 78°17'39" West 270.53 feet; (7) North 76°06'11" West 123.06 feet to a point of curvature; (8) Westerly 355.47 feet along the arc of a 1292.00 foot radius curve to the left (center bears South 13°53'49" West) through a central angle of 15°45'49" to a point of tangency; (9) South 88°08'00" West 304.15 feet to a point of curvature; (10) Southwesterly 192.13 feet along the arc of a 1392.00 foot radius curve to the left (center bears South 01°52'00" East) through a central angle of 07°54'30" to a point of tangency; (11) South 80°13'30" West 94.84 feet to a point of curvature; (12) Southwesterly 193.22 feet along the arc of a 3033.00 foot radius curve to the right (center bears North 09°46'30" West) through a central angle of 03°39'00" to a point of tangency; (13) South 83°52'31" West 108.13 feet; (14) South 82°52'26" West 279.54 feet; (15) South 79°12'12" West 134.59 feet to a point of curvature; (16) Southwesterly 150.64 feet along the arc of a 292.00 foot radius curve to the left (center bears South 10°47'48" East) through a central angle of 29°33'28" to a point of tangency; (17) South 49°38'44" West 79.52 feet to a point of curvature; (18) Southwesterly 150.83 feet along the arc of a 283.00 foot radius curve to the right (center bears North 40°21'16" West) through a central angle of 30°32'13" to a point of tangency; (19) South 80°10'58" West 142.77 feet to a point of curvature; (20) Southwesterly 38.58 feet along the arc of a 217.00 foot radius curve to the left (center bears South 09°49'02" East) through a central angle of 10°11'14" to a point of tangency; (21) South 69°59'44" West 163.00 feet to a point of curvature; (22) Southwesterly 74.80 feet along the arc of a 167.00 foot radius curve to the left (center bears South 20°00'16" East) through a central angle of 25°39'50" to a point of tangency; (23) South 44°19'54" West 140.82 feet to a point of curvature; (24) Westerly 93.90 feet along the arc of a 183.00 foot radius curve to the right (center bears North 45°40'06" West) through a central angle of 29°23'57" to a point of tangency; (25) South 73°43'51" West 89.03 feet to a point of curvature; (26) Westerly 116.91 feet along the arc of a 308.00 foot radius curve to the right (center bears North 16°16'09" West) through a central angle of 21°44'56" to a point of curvature; (27) North 84°31'13" West 55.78 feet to a point of curvature; (28) Southwesterly 98.50 feet along the arc of a 242.00 foot radius curve to the left (center bears South 05°28'47" West) through a central angle of 23°19'19" to a point of tangency; (29) South 72°09'28" West 29.16 feet to a point on the West line of the Southwest Quarter of said Section 10; Thence South 00°22'24" East (South 00°02' East per said Dependent Resurvey) 417.33 feet coincident with said West line to the point of beginning.

Less and excepting therefrom the following described parcel:
Recorded September 10, 2002 as Entry Number 93650, Book 510, Page 446

A parcel of land situate in the South Half of the South Half of Section 10, Township 15 South, Range 8 East, Salt Lake Base and Meridian, Carbon County, Utah, lying South of County Road 290. Comprising 0.54 acres ± out of that certain parcel of land transferred to Sunnyside Cogeneration Associates by that certain Warranty Deed recorded as Entry Number 089890, in Book 495, at Pages 409 thru 430 of the Carbon County Records. Basis of Bearing for subject parcel being North 89°30'09" East 5246.46 feet (measured) along the South line of the South Half of said Section 10. Subject parcel being more particularly described as follows:

Beginning at a point on the South Right-of-way line of County Road 290 said point being located North 89°30'09" East 412.22 feet coincident with the South line of said Section 10 and North 00°29'51" West 475.03 feet from said 2 inch iron pipe monumentizing the Southwest corner of said Section 10; Thence North 80°59'41" East, 282.69 feet; Thence North 11°43'28" West, 150.00 feet to a point on said Right-of-way line thence coincident with the said right-of-way the following 4 courses (1) South 69°59'44" West, 39.86 feet to a point of curvature; (2) Southwesterly 74.80 feet along the arc of a 167.00 foot radius curve to the left (center bears South 20°00'16" East) through a central angle of 25°39'50" to a point of tangency; (3) South 44°19'54" West, 140.82 feet to a point of curvature; (4) Southwesterly 62.66 feet along the arc of a 183.00 foot radius curve to the right (center bears North 45°40'06" West) through a central angle of 19°37'10" to the point of beginning.

Parcel 1 (less the Carbon County parcel): 107.04 Acres

PARCEL 1

LINE	LENGTH	BEARING
L1	94.84	S80°13'30"W
L2	108.13	S83°52'31"W
L3	134.59	S79°12'12"W
L4	79.52	S49°38'44"W
L5	142.77	S80°10'58"W
L6	163.00	S69°59'44"W
L7	89.03	S73°43'51"W
L8	55.78	N84°31'13"W
L9	29.16	S72°09'28"W

CURVE	LENGTH	RADIUS	DELTA
C1	38.58	217.00	10°11'14"
C2	74.80	167.00	25°39'50"
C3	93.90	183.00	29°23'57"
C4	116.91	308.00	21°44'56"
C5	98.50	242.00	23°19'19"

PIONEER ROAD

LINE	LENGTH	BEARING
L11	140.54	N84°41'22"W
L12	78.04	N39°27'22"W
L13	55.78	N16°45'22"W

Narrative:
Psonas was retained by Sunnyside Cogeneration Associates to perform a Boundary Survey of their Mining Permit Boundaries at the Star Point Mine, Carbon County, Utah

BLM LEASE LANDS
Section 15, Township 15 South, Range 8 East, Salt Lake Base and Meridian
N½ NW¼ NW¼ NE¼ - 5 ACRES NE¼ NE¼ NW¼ - 10 ACRES
SW¼ NW¼ NW¼ NE¼ - 2.5 ACRES NW¼ NE¼ NW¼ - 10 ACRES
N¼ NW¼ SW¼ NE¼ NW¼ - 1.25 ACRES N¼ NE¼ NW¼ NW¼ - 5 ACRES
N¼ NE¼ SW¼ NE¼ NW¼ - 1.25 ACRES SE¼ NE¼ NW¼ NW¼ - 2.5 ACRES
N¼ NW¼ SE¼ NE¼ NW¼ - 1.25 ACRES N¼ NE¼ SE¼ NE¼ NW¼ - 1.25 ACRES
Total BLM Parcel Contains: 40 Acres

PIONEER ACCESS ROAD EASEMENT (AS SURVEYED)
Attached to and made a part of that certain Surface Use Agreement dated effective the 30th day of August, 2002, by and between Plateau Mining Corporation and Sunnyside Cogeneration Associates, a Utah Joint Venture (General Partnership), among Sunnyside Holdings I, Inc. and Sunnyside II, L.P., covering the following described centerline of an existing fifty foot (50') wide strip of land for the construction of a pioneer road, being twenty-five feet (25') on either side of the centerline thereof, located in Section 10, Township 15 South, Range 8 East, SLB&M, with a bearing of North 89°30'09" East between the Southwest section corner and the Southeast corner of Section 10 used as a Basis of Bearing:

Beginning at a point 1865.99 feet North and 2794.15 feet East from the Southwest corner of Section 10, Township 15 South, Range 8 East, SLB&M.
Thence North 84°41'22" West 140.54 feet; Thence North 39°27'22" West 78.04 feet; Thence North 16°45'22" West 55.78 feet
Parcel contains: 0.31 Acres

PIONEER ACCESS ROAD EASEMENT
Recorded September 16, 2002 as Entry #093784 Book 511 Page 96
Attached to and made a part of that certain Surface Use Agreement dated effective the 30th day of August, 2002, by and between Plateau Mining Corporation and Sunnyside Cogeneration Associates, a Utah Joint Venture (General Partnership), among Sunnyside Holdings I, Inc. and Sunnyside II, L.P., covering the following described centerline of an existing fifty foot (50') wide strip of land for the construction of a pioneer road, being twenty-five feet (25') on either side of the centerline thereof, located in Section 10, Township 15 South, Range 8 East, SLB&M, with a bearing of North 89°31'31" East between the Southwest section corner and the Southeast corner of Section 10 used as a Basis of Bearing:

Beginning at a point 1865.99 feet North and 2794.15 feet East from the Southwest corner of Section 10, Township 15 South, Range 8 East, SLB&M.
Thence North 84°40'00" West 140.54 feet; Thence North 39°26'00" West 78.04 feet; Thence North 16°44'00" West 55.78 feet
Parcel contains: 0.31 Acres more or less

TOPSOIL PARCEL (LEASE PROPERTY AS SURVEYED)
Attached to and made a part of that certain Surface Use Agreement dated effective the 30th day of August, 2002, by and between Plateau Mining Corporation and Sunnyside Cogeneration Associates, a Utah Joint Venture (General Partnership), among Sunnyside Holdings I, Inc. and Sunnyside II, L.P., covering the following described tract or parcel of land located in Section 10, Township 15 South, Range 8 East, SLB&M, being further described as follows, with a bearing of North 89°30'09" East between the Southwest section corner and the Southeast section corner of Section 10, used as a Basis of Bearing:

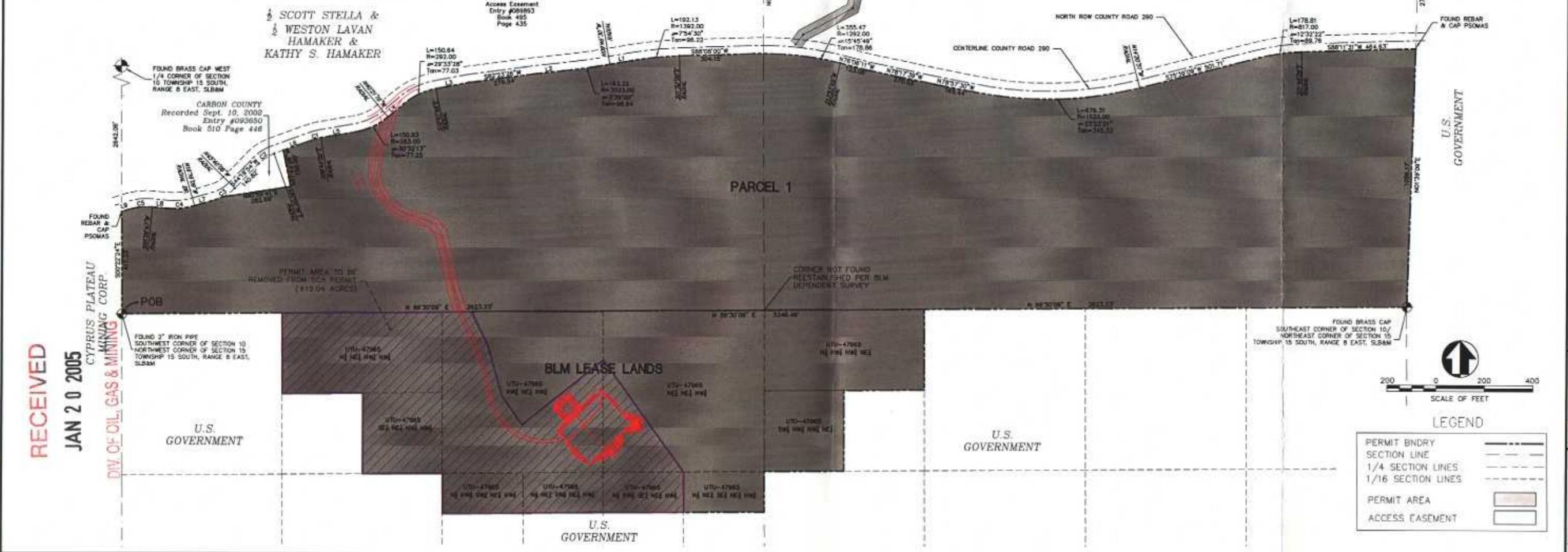
BEGINNING at a point 1995.27 feet North and 2610.11 feet East from the Southwest corner of Section 10, Township 15 South, Range 8 East, SLB&M.
Thence South 83°18'38" West 90.93 feet; Thence South 34°23'38" West 176.06 feet; Thence South 50°47'40" West 143.49 feet; Thence South 82°19'16" West 66.22 feet; Thence North 41°54'48" West 137.83 feet; Thence North 08°48'43" West 145.84 feet; Thence North 01°19'22" West 88.97 feet; Thence North 15°02'37" West 437.29 feet; Thence North 75°47'13" East 64.83 feet; Thence South 67°14'48" East 156.12 feet; Thence South 58°22'25" East 363.59 feet; Thence South 12°00'41" East 122.02 feet; Thence South 28°14'26" East 80.88 feet; Thence South 13°39'39" East 78.59 feet more or less, to the POINT OF BEGINNING
Parcel Contains: 5.97 Acres

TOPSOIL PARCEL (LEASE PROPERTY)
Recorded September 16, 2002 as Entry #093784 Book 511 Page 96
Attached to and made a part of that certain Surface Use Agreement dated effective the 30th day of August, 2002, by and between Plateau Mining Corporation and Sunnyside Cogeneration Associates, a Utah Joint Venture (General Partnership), among Sunnyside Holdings I, Inc. and Sunnyside II, L.P., covering the following described tract or parcel of land located in Section 10, Township 15 South, Range 8 East, SLB&M, being further described as follows, with a bearing of North 89°31'31" East between the Southwest section corner and the Southeast section corner of Section 10, used as a Basis of Bearing:

BEGINNING at a point 1995.27 feet North and 2610.11 feet East from the Southwest corner of Section 10, Township 15 South, Range 8 East, SLB&M.
Thence South 83°20'00" West 90.93 feet; Thence South 34°25'00" West 176.06 feet; Thence South 50°49'02" West 143.49 feet; Thence South 82°20'38" West 66.22 feet; Thence North 41°53'26" West 137.83 feet; Thence North 08°47'21" West 145.84 feet; Thence North 01°18'00" West 88.97 feet; Thence North 15°01'15" West 437.29 feet; Thence North 75°48'35" East 64.83 feet; Thence South 67°13'26" East 156.12 feet; Thence South 58°21'03" East 363.59 feet; Thence South 11°59'19" East 122.02 feet; Thence South 28°13'04" East 80.88 feet; Thence South 13°38'17" East 78.59 feet more or less to the POINT OF BEGINNING
Parcel Contains: 5.97 Acres

TOPSOIL PARCEL (LEASE PROPERTY)
Recorded September 16, 2002 as Entry #093784 Book 511 Page 96
Attached to and made a part of that certain Surface Use Agreement dated effective the 30th day of August, 2002, by and between Plateau Mining Corporation and Sunnyside Cogeneration Associates, a Utah Joint Venture (General Partnership), among Sunnyside Holdings I, Inc. and Sunnyside II, L.P., covering the following described tract or parcel of land located in Section 10, Township 15 South, Range 8 East, SLB&M, being further described as follows, with a bearing of North 89°31'31" East between the Southwest section corner and the Southeast section corner of Section 10, used as a Basis of Bearing:

BEGINNING at a point 1995.27 feet North and 2610.11 feet East from the Southwest corner of Section 10, Township 15 South, Range 8 East, SLB&M.
Thence South 83°20'00" West 90.93 feet; Thence South 34°25'00" West 176.06 feet; Thence South 50°49'02" West 143.49 feet; Thence South 82°20'38" West 66.22 feet; Thence North 41°53'26" West 137.83 feet; Thence North 08°47'21" West 145.84 feet; Thence North 01°18'00" West 88.97 feet; Thence North 15°01'15" West 437.29 feet; Thence North 75°48'35" East 64.83 feet; Thence South 67°13'26" East 156.12 feet; Thence South 58°21'03" East 363.59 feet; Thence South 11°59'19" East 122.02 feet; Thence South 28°13'04" East 80.88 feet; Thence South 13°38'17" East 78.59 feet more or less to the POINT OF BEGINNING
Parcel Contains: 5.97 Acres



DATE: 09-19-02
 PLAN DATE: 09-19-02
 SCALE: 1" = 200'
 PROJECT NUMBER: 85UN010600

SCA / STAR POINT WASTE FUEL
 PERMIT BOUNDARY SURVEY

PSONAS
 2825 East Cottonwood Parkway, Suite 120
 Salt Lake City, Utah 84121
 (801) 270-5777 (801) 270-5782 (FAX)

PREPARED BY: AH
 CHECKED BY: AH
 DATE: DEH
 SHEET: 111.100a

RECEIVED
 JAN 20 2005
 DIV. OF OIL, GAS & MINING
 CYPRUS PLATEAU MINING CORP.

RECEIVED

JAN 20 2005

DIV. OF OIL, GAS & MINING

SCALE OF FEET



LEGEND

PERMIT BOUNDARY

EXISTING CONTOURS

SOIL BOUNDARIES

POST SMCRA

PRE SMCRA

RECLAIMED AREAS



PSOMAS

2525 East Cottonwood Parkway, Suite 120
Salt Lake City, Utah 84121
(801) 270-5777 (801) 270-5782 (FAX)

SCA / STAR POINT WASTE FUEL
DISTURBED AREA MAP

DATE:	01-19-2005
PLAT DATE:	
SCALE:	SEE SCALE BAR
PROJECT NUMBER:	8SUN010600

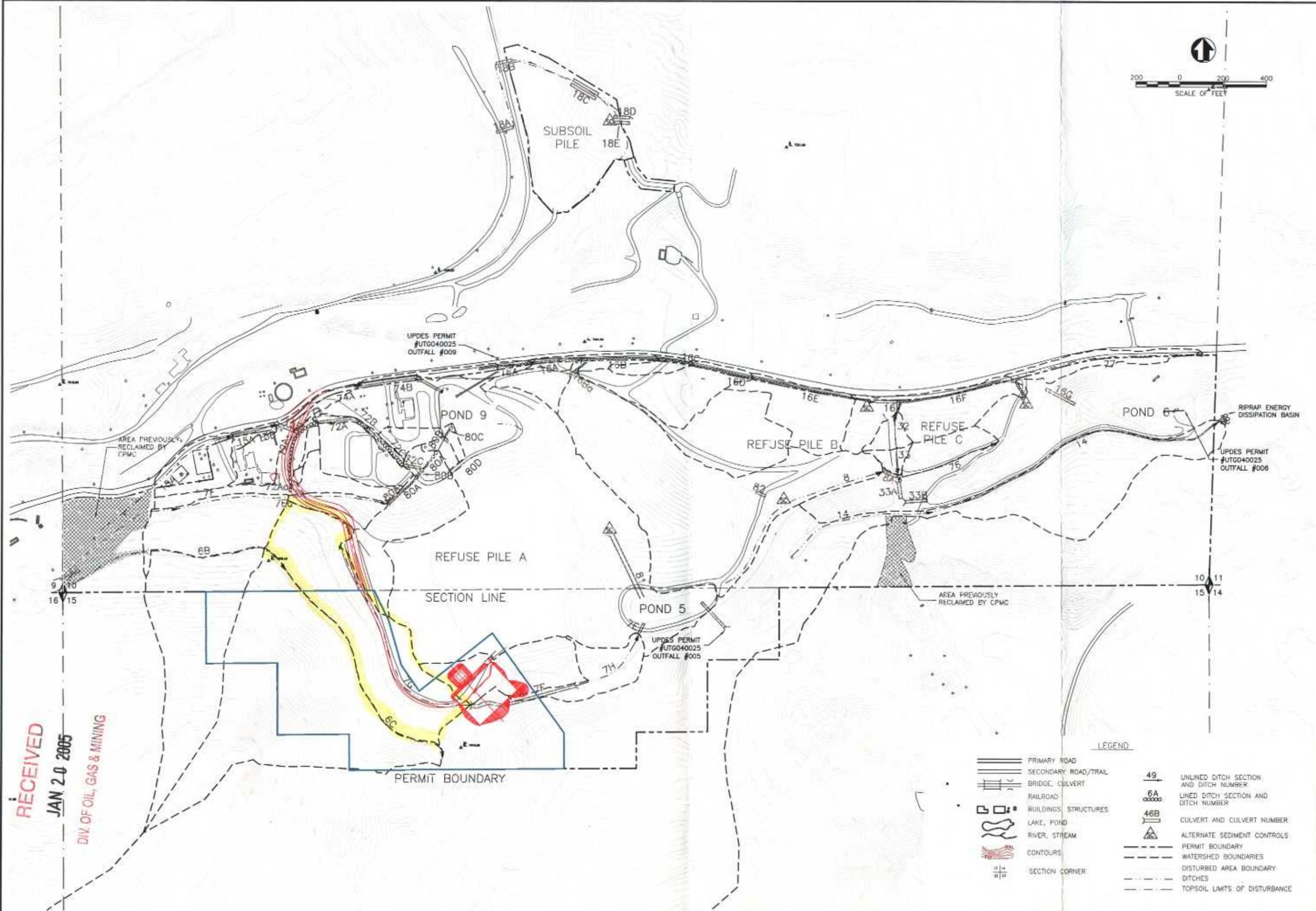
DESIGNED:	CS
DRAWN:	CEA
CHECKED:	SSC

MAP NUMBER

222.100b

Plotted: 01/19/05 15:09:53 U:\8000101\wetres\drawings\C-731.720a.dwg Bhardman

RECEIVED
JAN 20 2005
DIV. OF OIL, GAS & MINING



DATE: 02-07-03
PROJECT: SEE SCALE BAR
DRAWING: BSJN0106

SCA / STAR POINT WASTE FUEL
REFUSE PILE SURFACE WATER
DRAINAGES AND DIVERSIONS

PSOMAS
2825 East Coliseum Parkway, Suite 120
Salt Lake City, Utah 84121
(801) 776-5777 (888) 731-5782 (FAX)

LEGEND

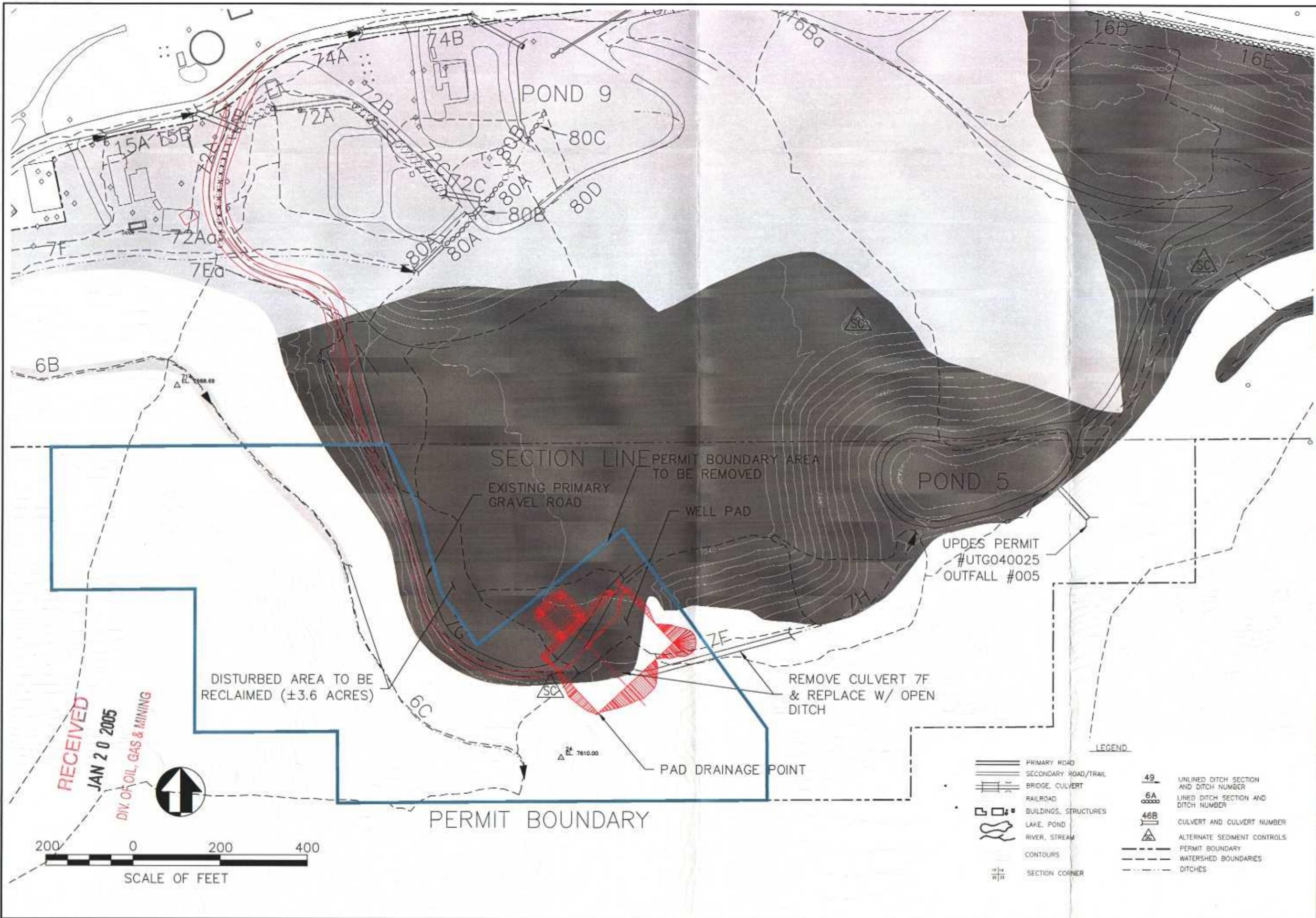
	PRIMARY ROAD		49 UNLINED DITCH SECTION AND DITCH NUMBER
	SECONDARY ROAD/TRAIL		6A LINED DITCH SECTION AND DITCH NUMBER
	BRIDGE, CULVERT		46B CULVERT AND CULVERT NUMBER
	RAILROAD		ALTERNATE SEDIMENT CONTROLS
	BUILDINGS, STRUCTURES		PERMIT BOUNDARY
	LAKE, POND		WATERSHED BOUNDARIES
	RIVER, STREAM		DISTURBED AREA BOUNDARY
	CONTOURS		DITCHES
	SECTION CORNER		TOPSOIL LIMITS OF DISTURBANCE

BRFH	A/H	SSC

MAP NUMBER

731.720a

Plotfile: 01/19/05 16:54:30 U:\8CON0101\waters\drawings\C-CP-SITE.dwg B Hartman



RECEIVED
JAN 20 2005
 DIV. OF OIL, GAS & MINING



LEGEND

	PRIMARY ROAD		49 UNLINED DITCH SECTION AND DITCH NUMBER
	SECONDARY ROAD/TRAIL		6A LINED DITCH SECTION AND DITCH NUMBER
	BRIDGE, CULVERT		46B CULVERT AND CULVERT NUMBER
	RAILROAD		△ ALTERNATE SEDIMENT CONTROLS
	BUILDINGS, STRUCTURES		— PERMIT BOUNDARY
	LAKE, POND		- - - WATERSHED BOUNDARIES
	RIVER, STREAM		- - - DITCHES
	CONTOURS		
	SECTION CORNER		

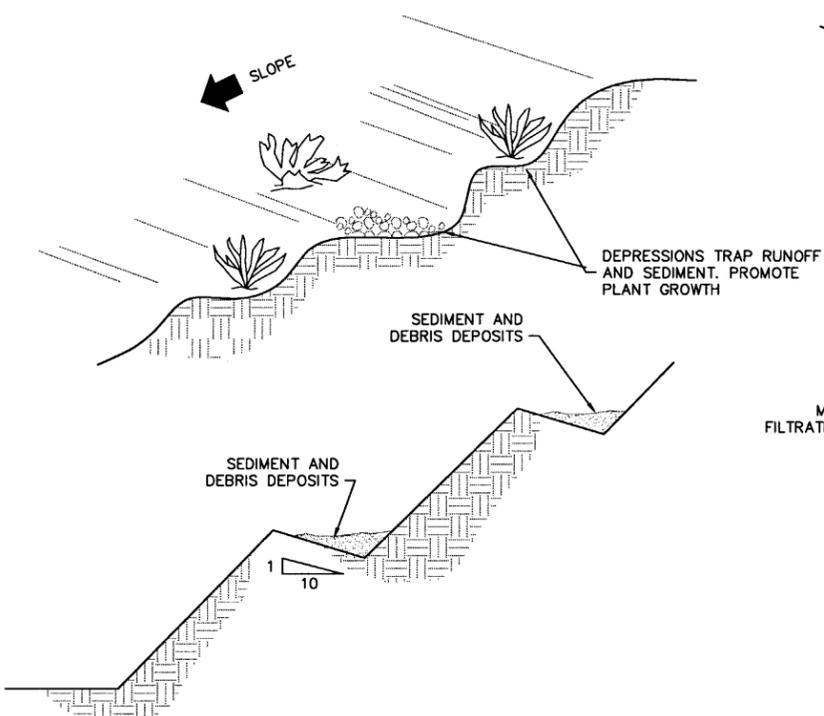
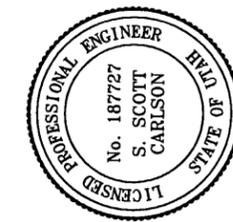


DATE: 01-18-2005
 PLOT DATE:
 SCALE: SEE SCALE BAR
 PROJECT: 8CON010100

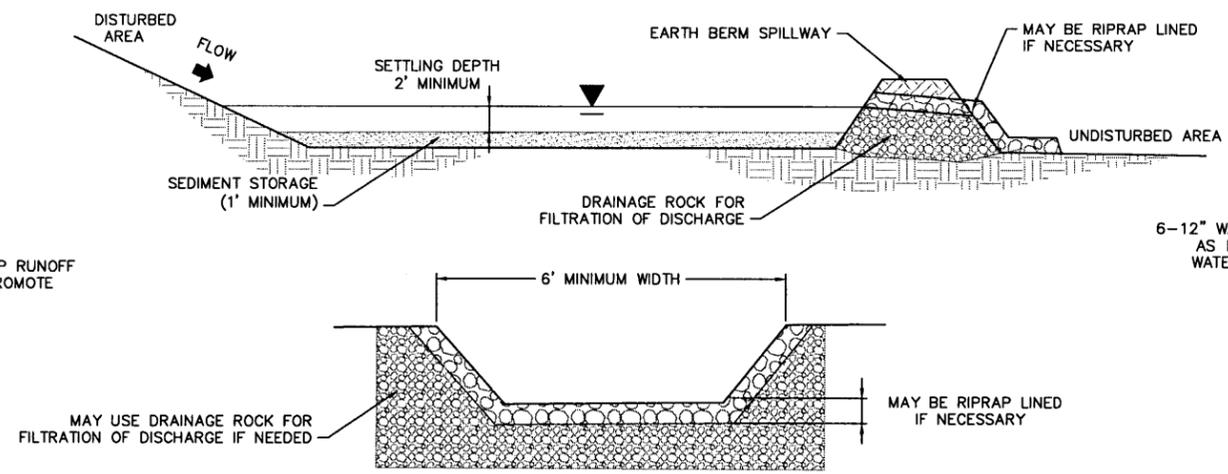
SCA/CONOCOPHILLIPS
 STARPOINT MINE
 POST MINING LAND USE PLAN

PSOMAS
 2525 East Cottonwood Parkway, Suite 120
 Salt Lake City, Utah 84119
 (801) 276-5777 (801) 276-5782 (FAX)

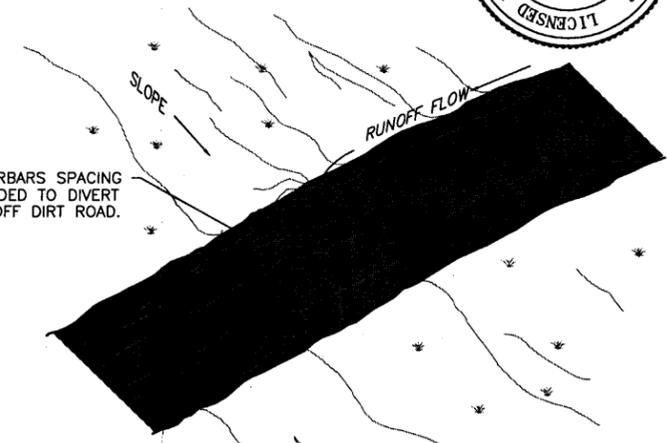
DESIGNED BY: BRH	CHECKED BY: BRH	DATE: SSC
MAP NUMBER		



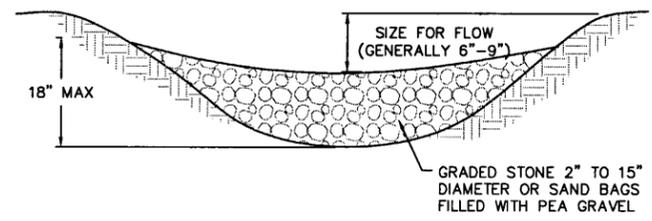
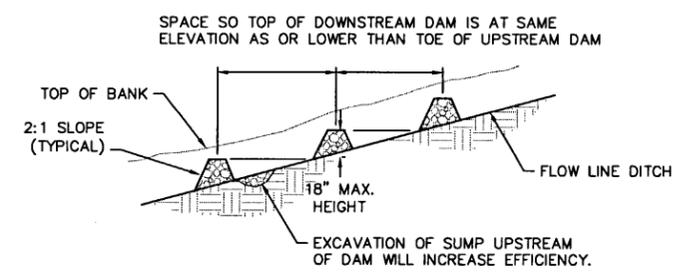
SURFACE ROUGHENING/BENCHING



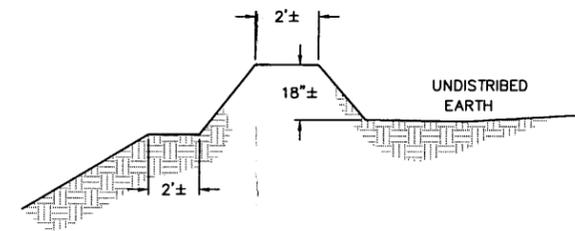
**SPILLWAY SECTION
SEDIMENT TRAP**



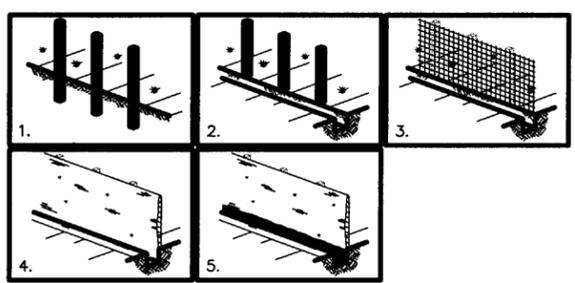
WATER BARS



**ROCK CHECK DAMS
IN DRAINAGE WAYS**

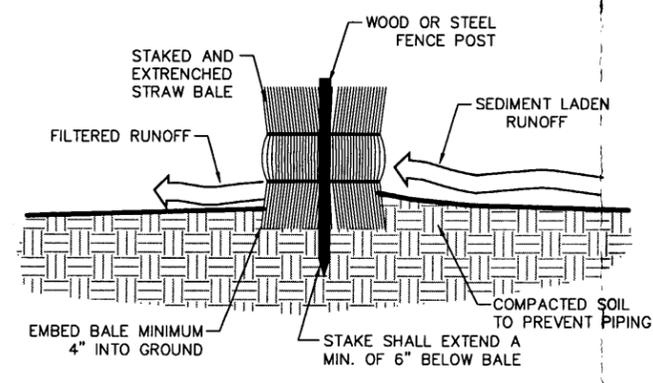


BERM DETAIL



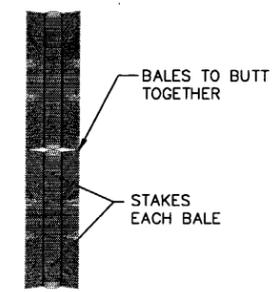
2- GENERAL NOTES:
 A- FILTER FABRIC: STANDARD BURLAP (7-1/2 OZ. PER SQUARE FOOT) MAY BE USED FOR INSTALLATIONS OF SHORT DURATION. MORE ROT-RESISTANT FABRICS ARE ADVISED FOR INSTALLATION PERIODS IN EXCESS OF 2 TO 3 MONTHS. (NAMES OF SUGGESTED MFRS. AND PRODUCTS ARE AVAILABLE UPON REQUEST.)
 B- THE FABRIC IS CUT ON SITE TO THE DESIRED WIDTH, UNROLLED ALONG THE LENGTH OF THE BARRIER AND DRAPED OVER THE BARRIER. THE FABRIC TOE IS SECURED WITH ROCKS OR DIRT AND THE FABRIC COVERING THE BARRIER IS SECURED TO THE BARRIER WITH TWINE, STAPLES, OR SIMILAR DEVICES.
 C- AFTER THE CONSTRUCTION AREA IS STABILIZED AND EROSION ACTIVITY CURTAILED, THE SEDIMENT BARRIERS ARE REMOVED AND THE CONTAINED SEDIMENT IS LEVELED, SEEDED, AND MULCHED. SPECIAL PROTECTION OF THE SEED BED MAY BE NECESSARY IF THE LAYERS ARE OVER A FOOT THICK.
 D- FOR EXTRA STRENGTH AND REDUCED MAINTENANCE FENCING MAY BE REINFORCED WITH GALVANIZED STEEL WIRE MESH (14 GAGE MIN., 6" X 6" OPENINGS MAXIMUM).

SILT FENCE DETAIL



CROSS-SECTION OF A PROPERLY PLACED STRAW BALE

STRAW BALES CHECK DAM DETAIL



PLAN VIEW RECEIVED

JAN 20 2005

DIV. OF OIL, GAS & MINING

DATE	02-15-02
PLAT DATE	
SCALE	SEE SCALE BAR
NUMBER	85UN010600

SCA / STAR POINT WASTE FUEL
ALTERNATE SEDIMENT CONTROLS

PSOMAS
 2025 East Cottonwood Parkway, Suite 120
 7601 Lone City, Utah, 84721
 (801) 270-3177 (801) 270-5782 (FAX)

DESIGNED	CRG
DRAWN	AH
CHECKED	SSC

MAP NUMBER

742.100

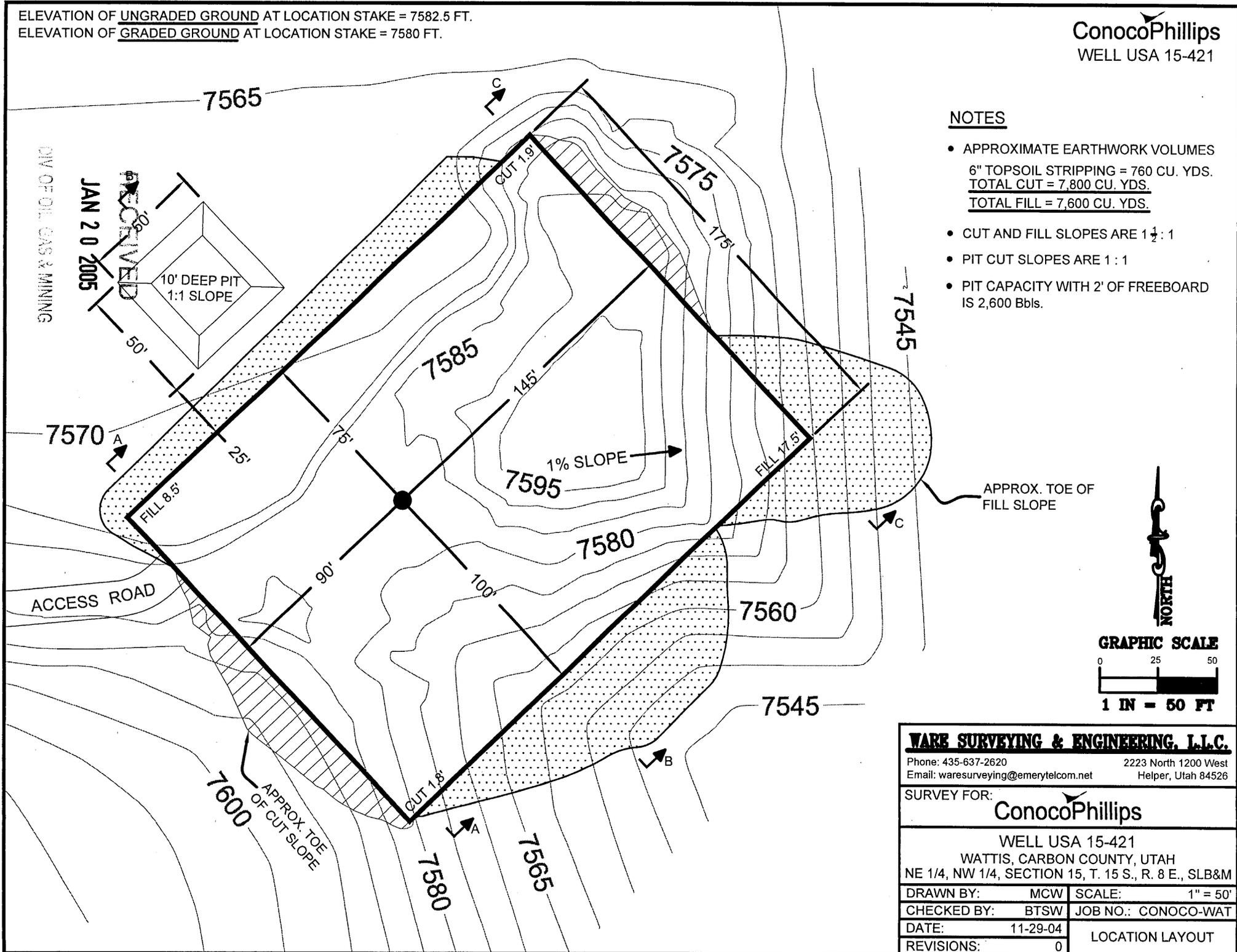
Sept. 20, 2002 - 18:28:27 DWG Name: U:\85UN010600\New Permit\Drawings\742.100.dwg Updated By: AHeck

ELEVATION OF UNGRADED GROUND AT LOCATION STAKE = 7582.5 FT.
 ELEVATION OF GRADED GROUND AT LOCATION STAKE = 7580 FT.

ConocoPhillips
 WELL USA 15-421

NOTES

- APPROXIMATE EARTHWORK VOLUMES
 6" TOPSOIL STRIPPING = 760 CU. YDS.
 TOTAL CUT = 7,800 CU. YDS.
 TOTAL FILL = 7,600 CU. YDS.
- CUT AND FILL SLOPES ARE 1 1/2 : 1
- PIT CUT SLOPES ARE 1 : 1
- PIT CAPACITY WITH 2' OF FREEBOARD IS 2,600 Bbls.



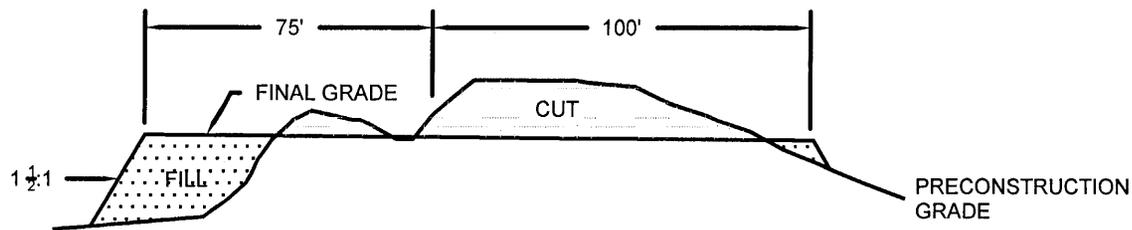
WARE SURVEYING & ENGINEERING, L.L.C.

Phone: 435-637-2620 2223 North 1200 West
 Email: waresurveying@emerytelcom.net Helper, Utah 84526

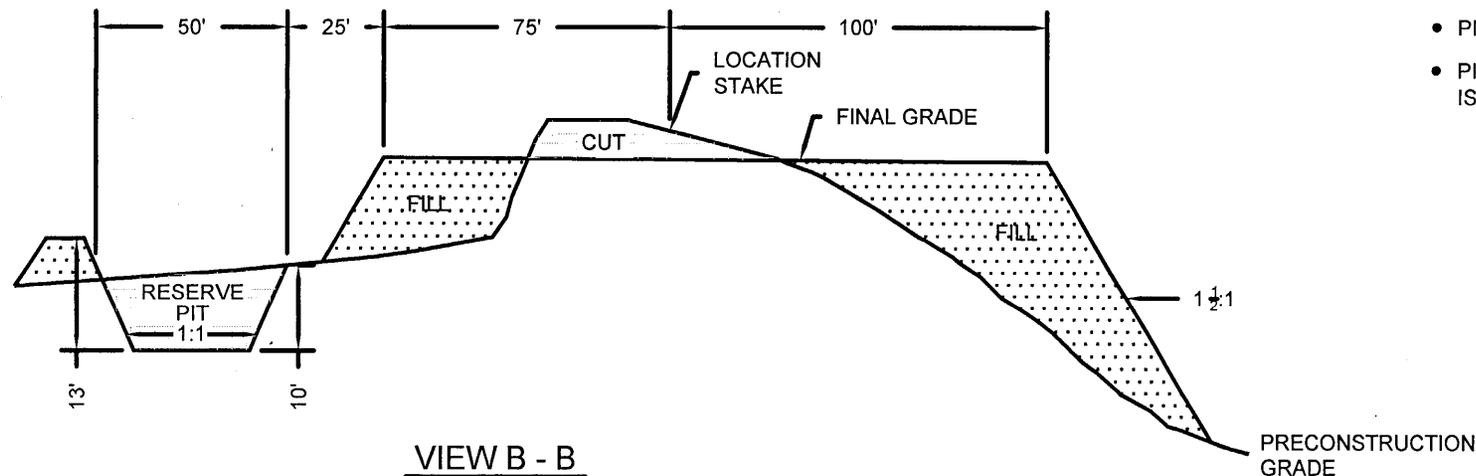
SURVEY FOR: **ConocoPhillips**

WELL USA 15-421
 WATTIS, CARBON COUNTY, UTAH
 NE 1/4, NW 1/4, SECTION 15, T. 15 S., R. 8 E., SLB&M

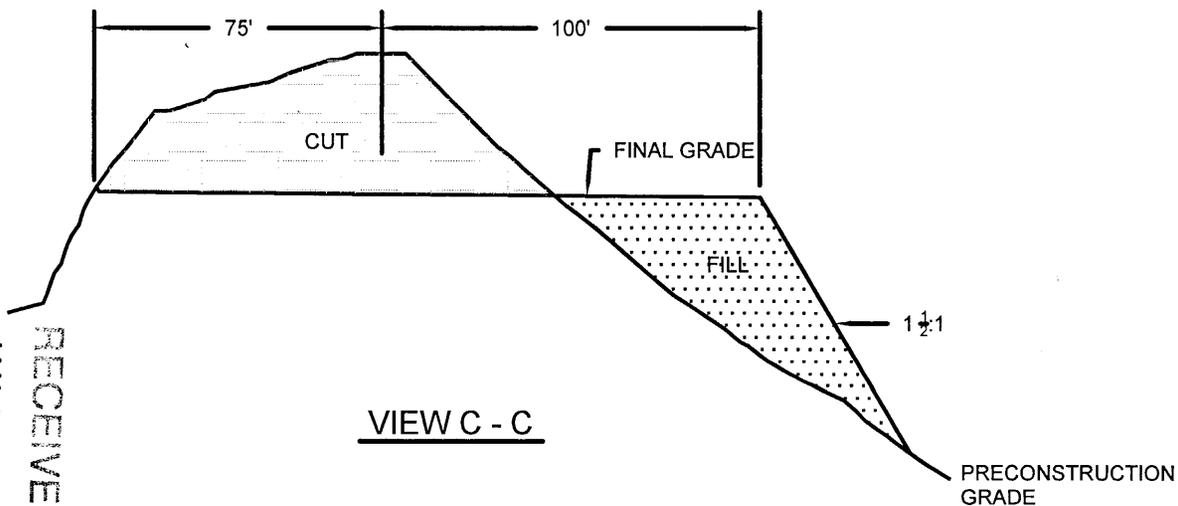
DRAWN BY: MCW	SCALE: 1" = 50'
CHECKED BY: BTSW	JOB NO.: CONOCO-WAT
DATE: 11-29-04	LOCATION LAYOUT
REVISIONS: 0	



VIEW A - A



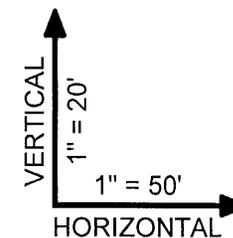
VIEW B - B



VIEW C - C

NOTES

- APPROXIMATE EARTHWORK VOLUMES
6" TOPSOIL STRIPPING = 760 CU. YDS.
TOTAL CUT = 7,800 CU. YDS.
TOTAL FILL = 7,600 CU. YDS.
- CUT AND FILL SLOPES ARE 1 1/2 : 1
- PIT CUT SLOPES ARE 1 : 1
- PIT CAPACITY WITH 2' OF FREEBOARD IS 2,600 Bbls.



WARE SURVEYING & ENGINEERING, L.L.C.

Phone: 435-637-2620 2223 North 1200 West
Email: waresurveying@emerytelcom.net Helper, Utah 84526

SURVEY FOR: **ConocoPhillips**

WELL USA 15-421
WATTIS, CARBON COUNTY, UTAH
NE 1/4, NW 1/4, SECTION 15, T. 15 S., R. 8 E., SLB&M

DRAWN BY: MCW SCALE: 1" = 50'

CHECKED BY: BTSW JOB NO.: CONOCO-WAT

DATE: 12-14-04

REVISIONS: 0 CROSS SECTIONS

DIV OF OIL, GAS & MINING

RECEIVED
JAN 20 2005