

"C-20"

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.

FORM SUBMITTED FOR:

☐ Pit Report☒ Pit Permit (Multi Well Pit)

OGCC Operator Number: 10091

Name of Operator: Berry Petroleum Company

Address: 1999 Broadway, Suite 3700

City: Denver State: CO Zip: 80202

Contact Name and Telephone:

Chris Freeman

No: 303-999-4400

Fax: 303-999-4401

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		

API Number (of associated well): See attached sheet

OGCC Facility ID (of other associated facility): 335621

Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): NE NW 1/4 Section 20, T 5 South, R 96 West ("Chevron C-20 Pit")

Latitude: 39.605936

Longitude: -108.195339

County: Garfield

Pit Use: ☒ Production☐ Drilling (Attach mud program)☐ Special Purpose (Describe Use):Pit Type: ☒ Lined☐ UnlinedSurface Discharge Permit: ☐ Yes ☒ NoOffsite disposal of pit contents: ☐ Injection☐ Commercial☐ Pit/Facility Name:

Pit/Facility 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☒ No

Attach data used for determination.

Distance (in feet) to nearest surface water: 1,400'

ground water: approx. 800'

water wells: 13,700'

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☐ CRPNon-Crop Land: ☒ Rangeland☐ Timber☐ Recreational☒ Other (describe): Natural Gas Well Pad

Subdivided:

☐ Industrial☐ Commercial☐ Residential

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

Soil map units from USNRCS survey: Sheet No: CO682

Soil Complex/Series No: _____

Soils Series Name: Parachute-Irigul Complex, 5 - 30% slopes

Horizon thickness (in inches): A: _____

; B: _____

; C: _____

Soils Series Name: _____

Horizon thickness (in inches): A: _____

; B: _____

; C: _____

Attach detailed site plan and topo map with pit location.

Pit Design and Construction

Size of pit (feet): Length: 180' Width: 68' Depth: 25' + 2' freeboard

Calculated pit volume (bbls): 27,250

Daily inflow rate (bbls/day): variable

Daily disposal rates (attach calculations): Evaporation: _____ bbls/day Percolation: _____ bbls/day

Type of liner material: Polyethylene Plastic

Thickness: 24-mil, double lined

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): Separators/Production units, located at production pads.

Is pit fenced? ☒ Yes☐ NoIs 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: Chris Freeman

Signed:

Title: Environmental Manager

Date: 12/4/09

OGCC Approved: _____

Title: _____

Date: _____

CONDITIONS OF APPROVAL, IF ANY:

FACILITY NUMBER:

COGIS - LOCATION Information



CHEVRON-65S96W - #335621 Information

Status: AC

Location ID: **335621** Location Name/No: **CHEVRON-65S96W /20NENW**
Location Status: **AC** Status Date: **4/14/2009**
Operator Name: **BERRY PETROLEUM COMPANY** Operator Number: **10091**
County: **GARFIELD - #045** Location: **NENW 20 5S 96W**
Lat/Long: **39.606006/-108.195219**
Facility Type: **LOCATION**

Facility Well(s)

API Number: **05-045-09079** Operator Name: **BERRY PETROLEUM COMPANY**
Well Status: **PR**

API Number: **05-045-12652** Operator Name: **BERRY PETROLEUM COMPANY**
Well Status: **PR**

API Number: **05-045-12653** Operator Name: **BERRY PETROLEUM COMPANY**
Well Status: **PR**

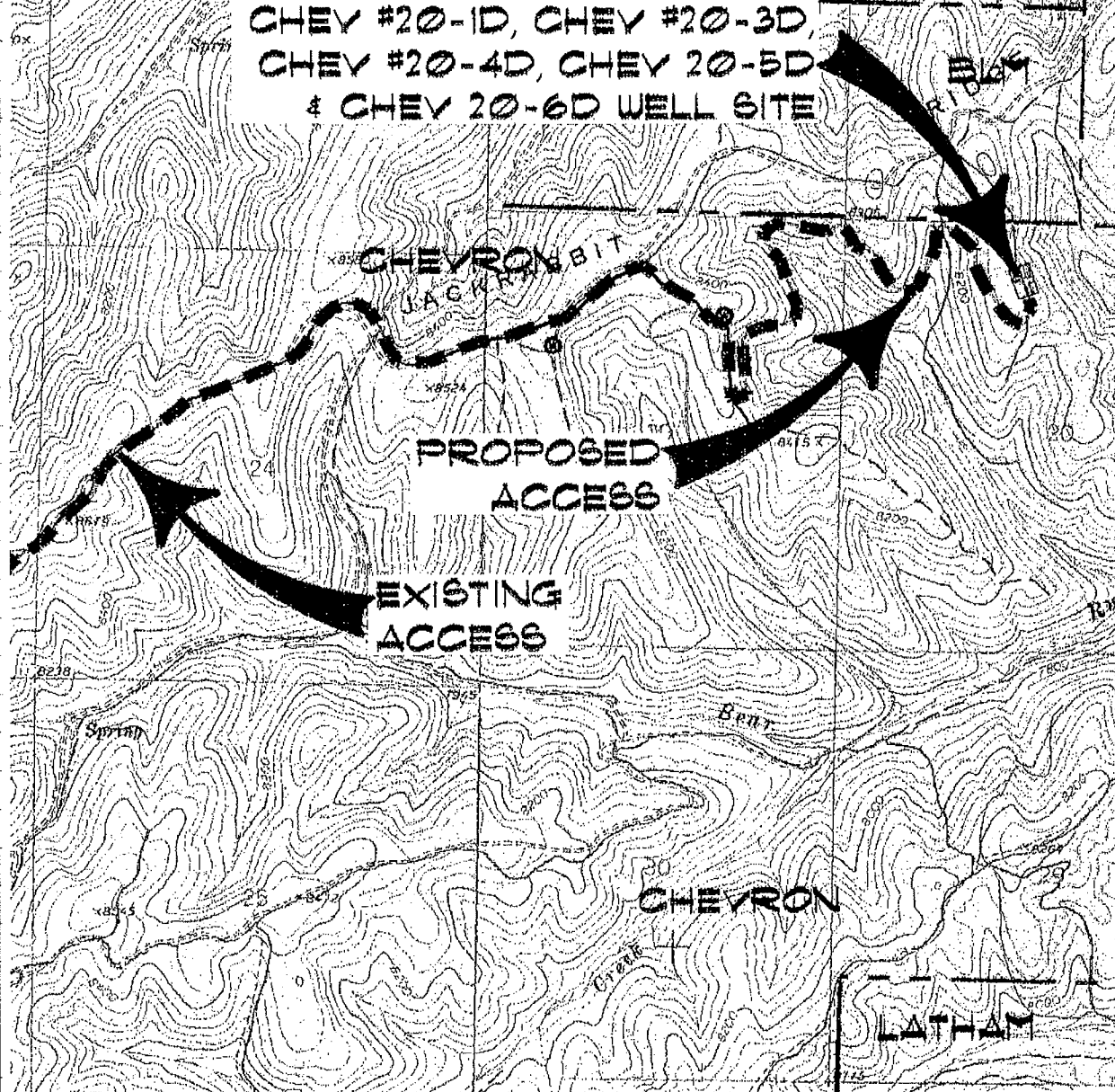
API Number: **05-045-12654** Operator Name: **BERRY PETROLEUM COMPANY**
Well Status: **PR**

API Number: **05-045-12655** Operator Name: **BERRY PETROLEUM COMPANY**
Well Status: **SI**

API Number: **05-045-12656** Operator Name: **BERRY PETROLEUM COMPANY**
Well Status: **PR**

**PLAT #5
TOPO & ACCESS**

**PROPOSED CHEV #242-20D,
CHEV #20-1D, CHEV #20-3D,
CHEV #20-4D, CHEV 20-5D
& CHEV 20-6D WELL SITE**



ACCESS:

FROM THE BEGINNING OF JACKRABBIT RIDGE ROAD APPROXIMATELY 30 MILES FROM THE LOGAN WASH ROAD TURNOFF, PROCEED IN A GENERAL NORTHEASTERLY DIRECTION ± 2.6 MILES TO AN INTERSECTION WITH A DIRT/GRAVEL ROAD ON THE RIGHT, PROCEED RIGHT IN A GENERAL SOUTHEASTERLY DIRECTION ± 0.4 MILES TO A PROPOSED FLAGGED ACCESS CENTERLINE ON THE LEFT, PROCEED LEFT IN A GENERAL NORTHEASTERLY DIRECTION ± 1.5 MILES TO THE PROPOSED CHEV #242-20D, CHEV #20-1D, CHEV #20-3D, CHEV #20-4D, CHEV 20-5D & CHEV 20-6D WELL SITE, BEING THE LOCATION.



CONSTRUCTION SURVEYS, INC.
0012 SUNRISE BLVD.
BILT, CO 81652
(970)876-5753

**BERRY PETROLEUM
COMPANY**

SCALE: 1" = 2000'

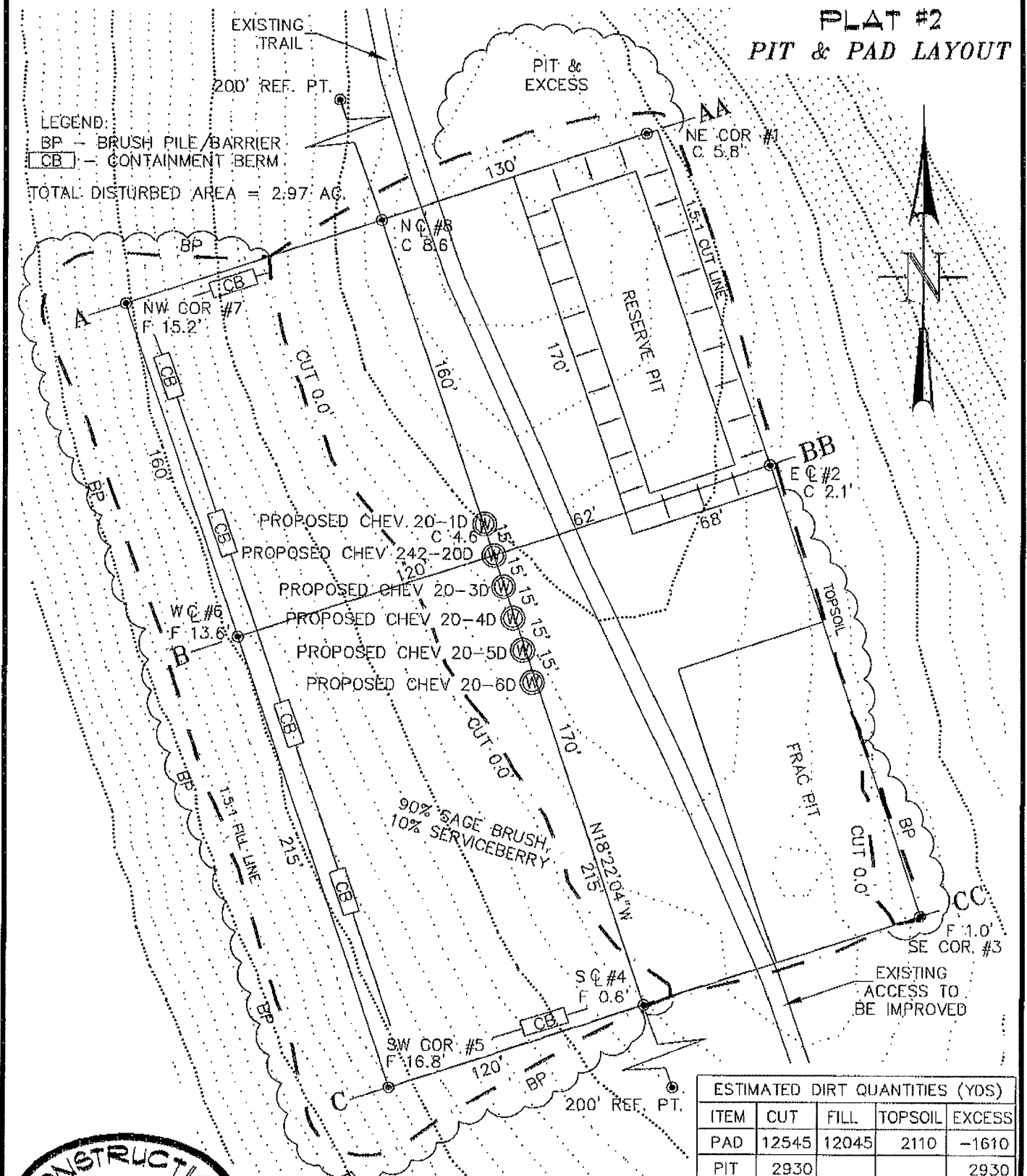
SHEET 5 OF 9

PLAT #2 PIT & PAD LAYOUT

LEGEND:

BP - BRUSH PILE/BARRIER
CB - CONTAINMENT BERM

TOTAL DISTURBED AREA = 2.97 AC



ESTIMATED DIRT QUANTITIES (YDS)				
ITEM	CUT	FILL	TOPSOIL	EXCESS
PAD	12545	12045	2110	-1610
PIT	2930			2930
TOTALS	15475	12045	2110	1320



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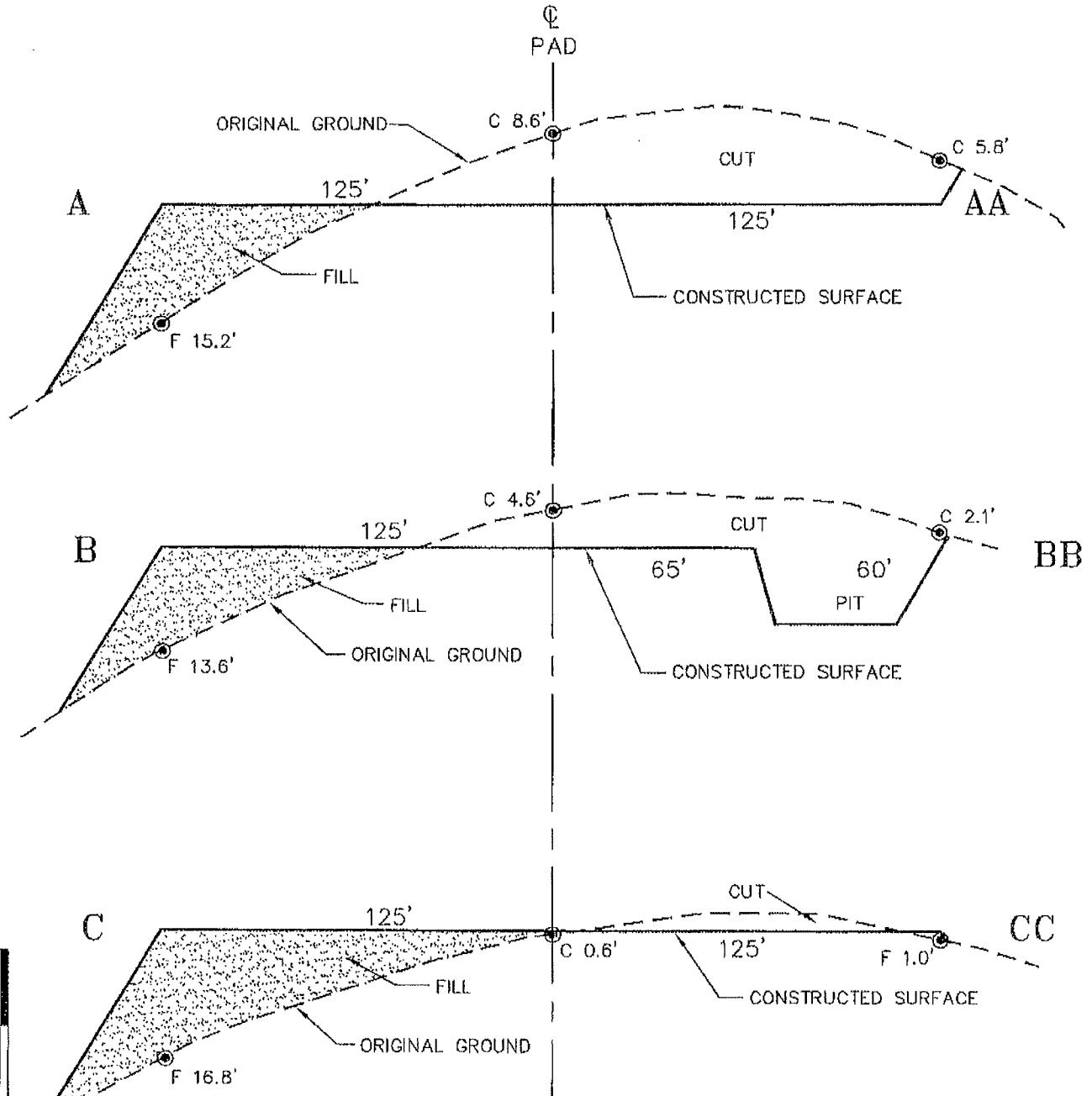
REVISED: 10/12/06

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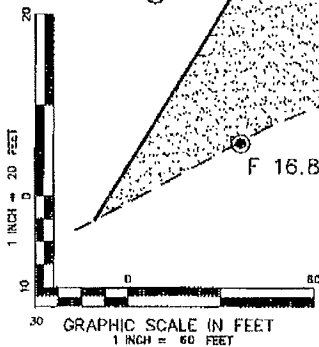
SCALE: 1" = 60'

SHEET: 2 of 9

PLAT #3
CROSS SECTIONS OF PIT & PAD



NOTE:
ALL CUT/FILL SIDE SLOPES ARE
1.5:1 UNLESS OTHERWISE NOTED.



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SCALE: AS SHOWN

SHEET: 3 of 9