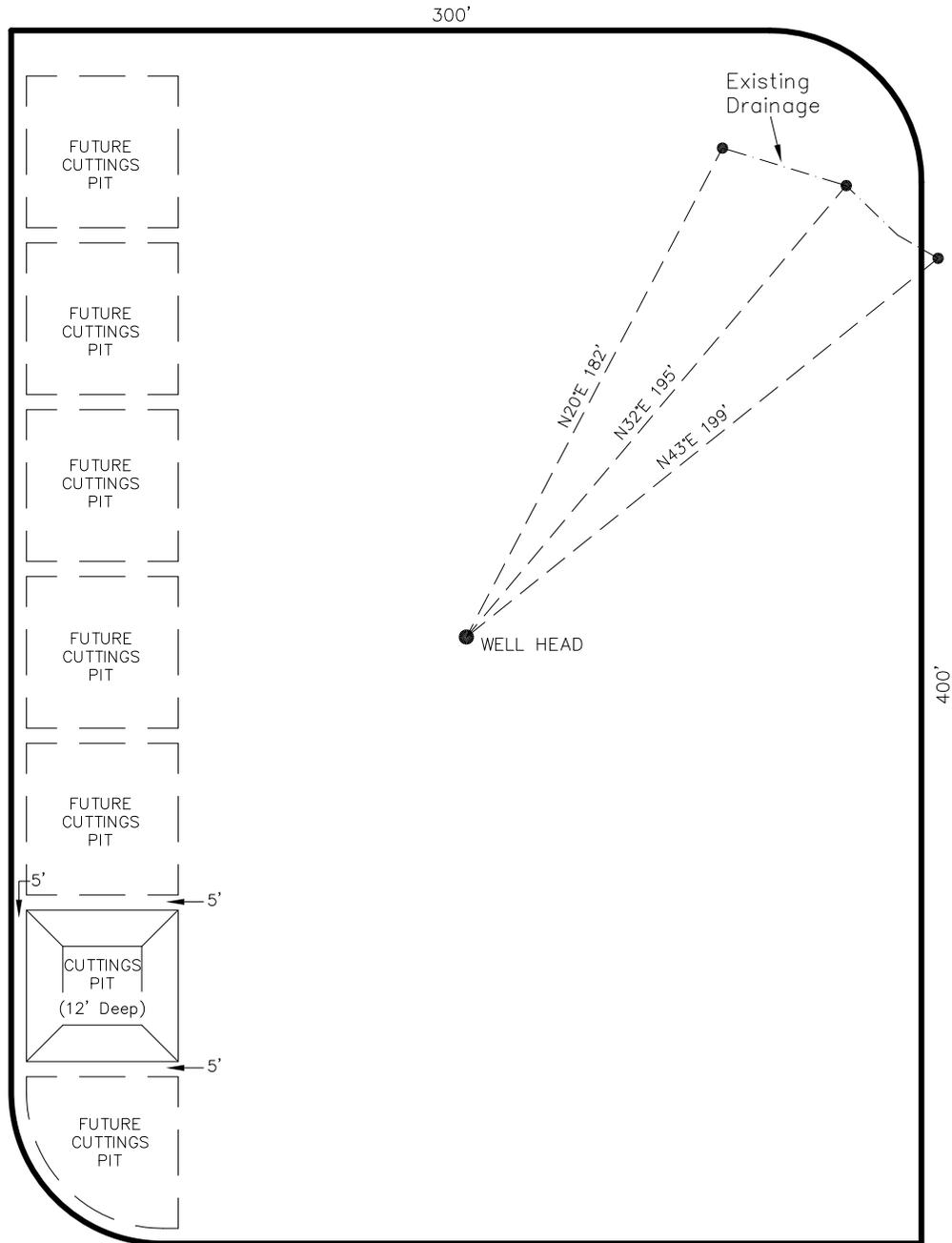




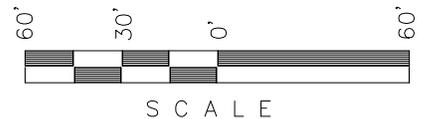
# BOPCO, L.P.

## ADDENDUM TO LEGAL PLAT YCF 32-41-1



**NOTES:**

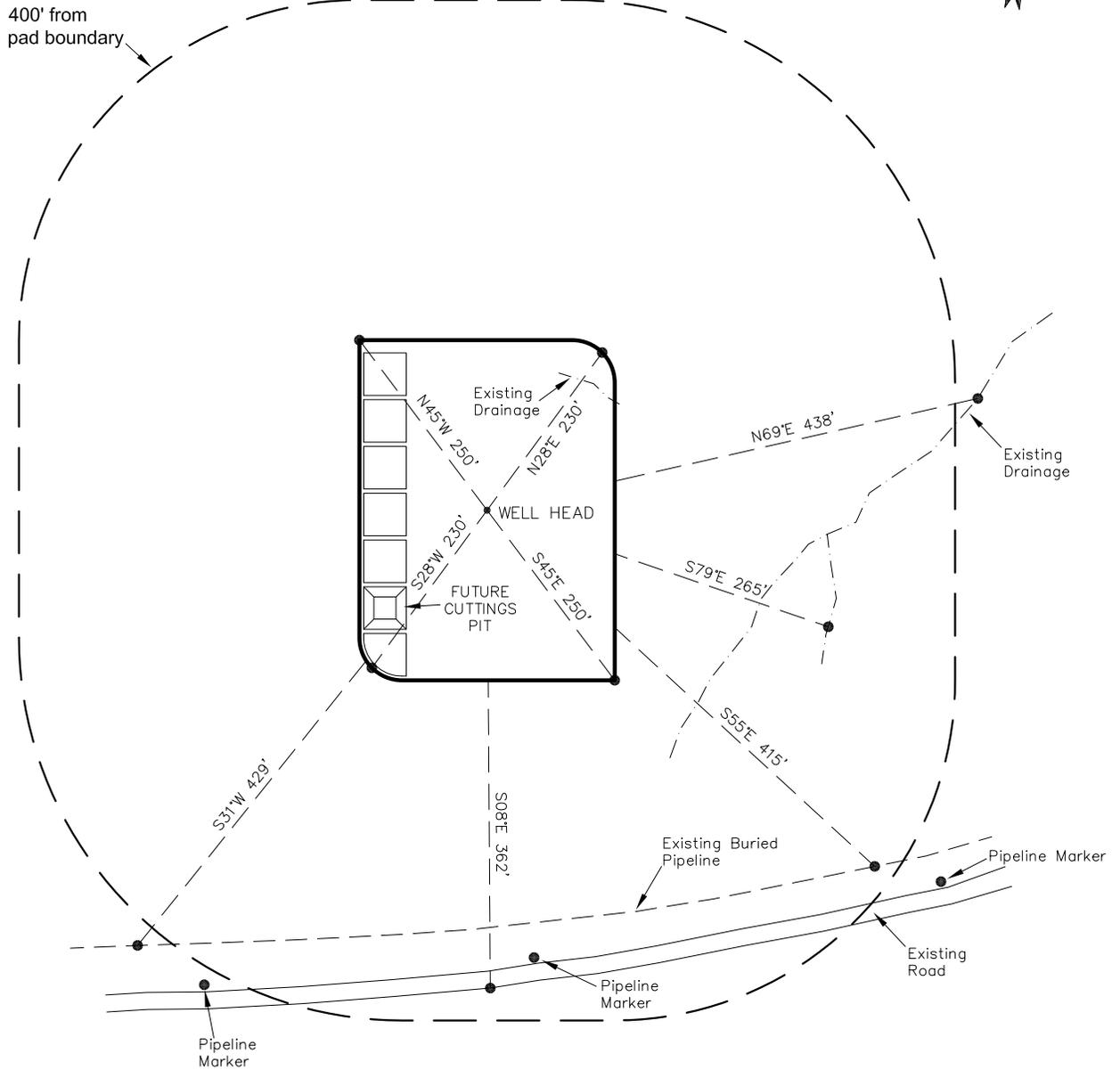
Surface use of location is grazing.  
Vegetation consists mainly of pinion,  
sagebrush and native grasses.



Section 32, T1N, R98W, 6th P.M.		Qtr/Qtr Location: NE NE	Footage Location: 1213' FNL & 1229' FEL
Date Surveyed: 10-23-08	Date Drawn: 10-27-08	Date Last Revision: 10-21-08	<b>Timberline</b> (435) 789-1365 <i>Engineering &amp; Land Surveying, Inc.</i> 209 NORTH 300 WEST VERNAL, UTAH 84078
Surveyed By: B.J.S.	Drawn By: M.W.W.	Scale: 1" = 60'	

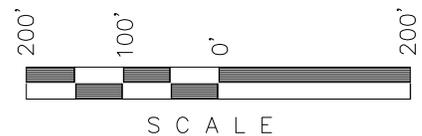
# BOPCO, L.P.

## ADDENDUM TO LEGAL PLAT YCF 32-41-1



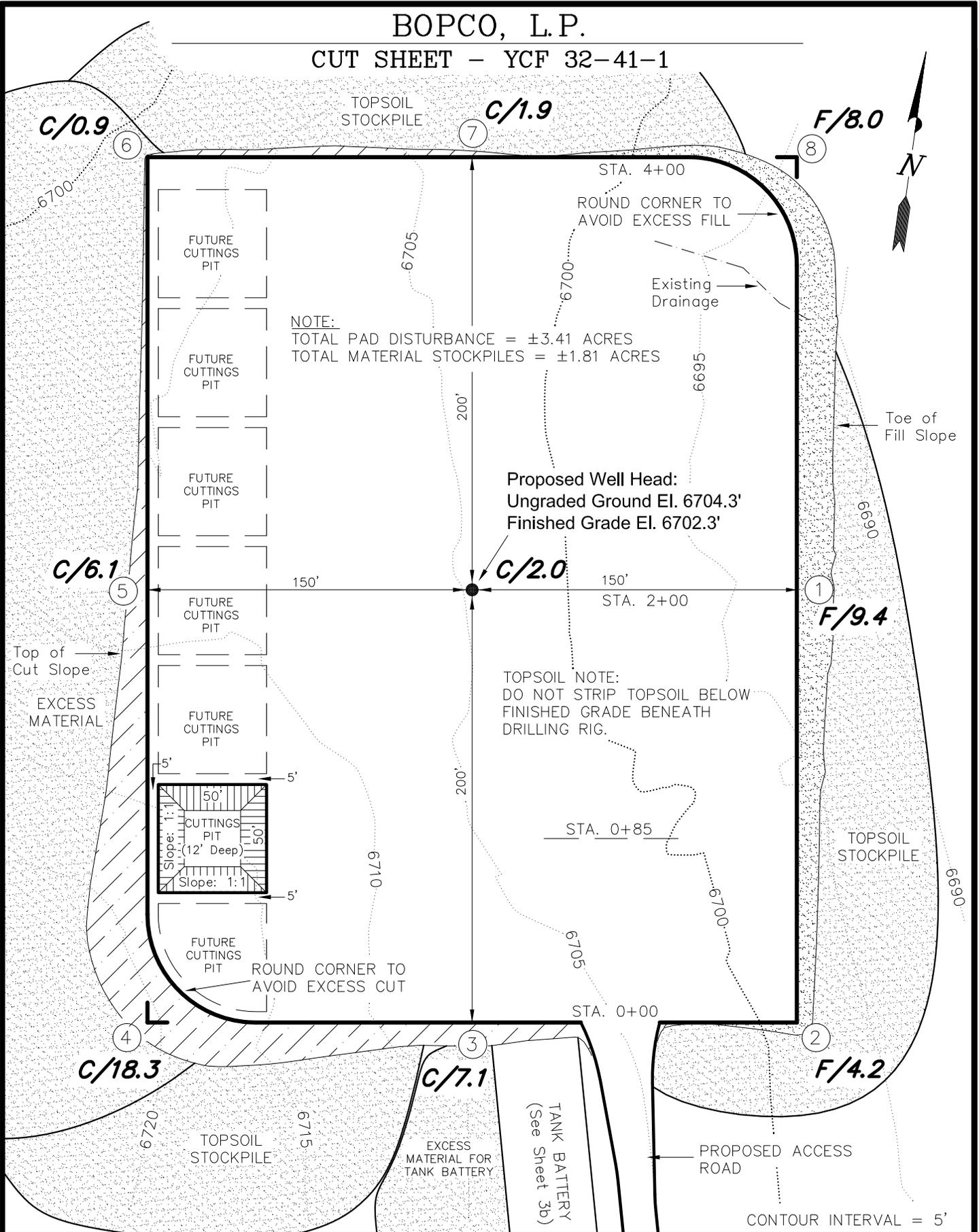
**NOTES:**

Surface use of location is grazing.  
 Vegetation consists mainly of pinion,  
 sagebrush and native grasses.



Section 32, T1N, R98W, 6th P.M.		Qtr/Qtr Location: NE NE	Footage Location: 1213' FNL & 1229' FEL
Date Surveyed: 10-23-08	Date Drawn: 10-27-08	Date Last Revision: 11-13-09	<b>Timberline</b> (435) 789-1365 Engineering & Land Surveying, Inc. 209 NORTH 300 WEST VERNAL, UTAH 84078
Surveyed By: B.J.S.	Drawn By: M.W.W.	Scale: 1" = 200'	
			SHEET <b>2b</b> OF 10

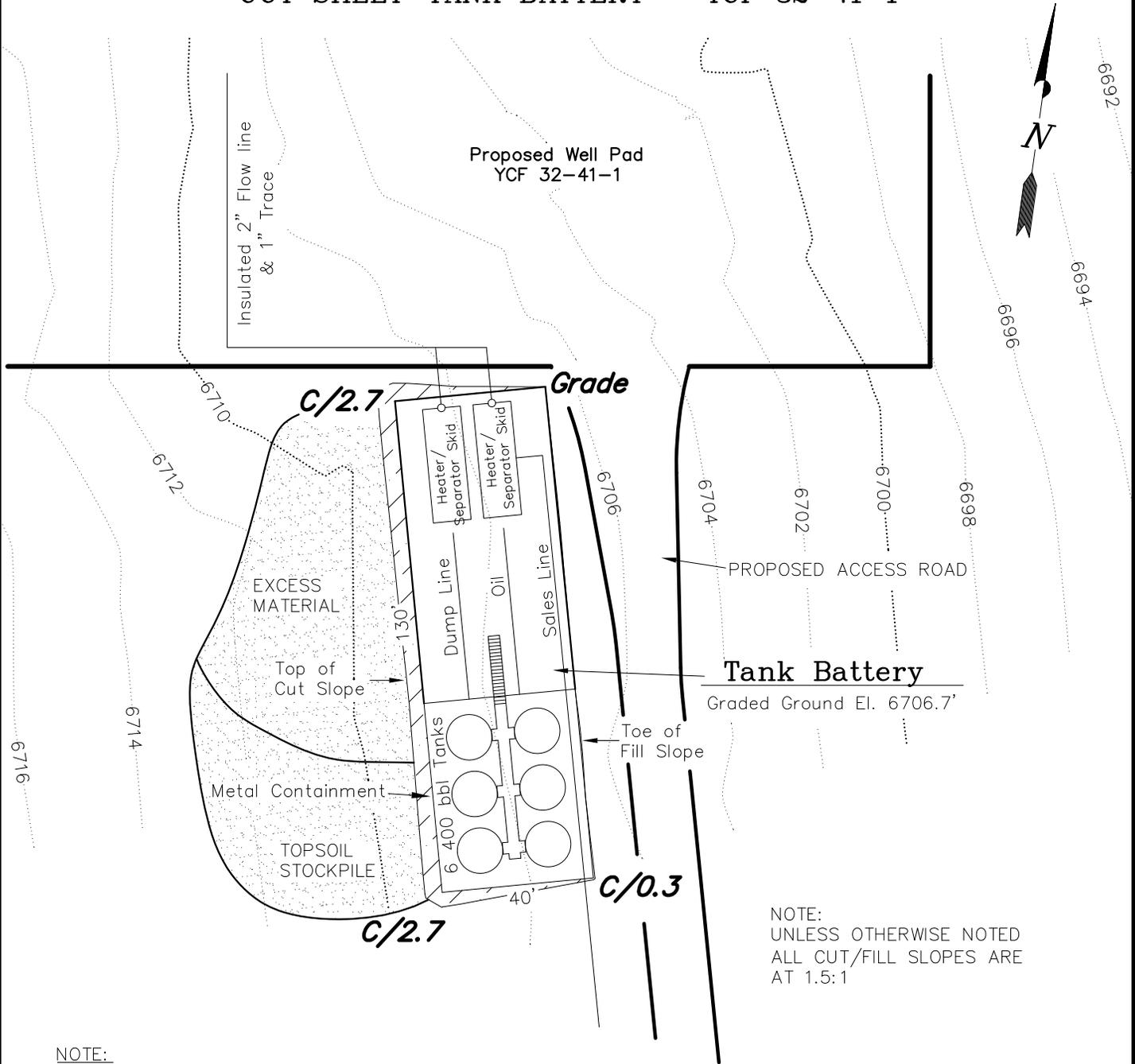
**BOPCO, L.P.**  
**CUT SHEET - YCF 32-41-1**



Section 32, T1N, R98W, 6th P.M.		Qtr/Qtr Location: NE NE	Footage Location: 1213' FNL & 1229' FEL
Date Surveyed: 10-23-08	Date Drawn: 10-27-08	Date Last Revision: 10-21-09	<b>Timberline</b> (435) 789-1365 Engineering & Land Surveying, Inc. 209 NORTH 300 WEST VERNAL, UTAH 84078
Surveyed By: B.J.S.	Drawn By: M.W.W.	Scale: 1" = 60'	

# BOPCO, L.P.

## CUT SHEET-TANK BATTERY - YCF 32-41-1



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

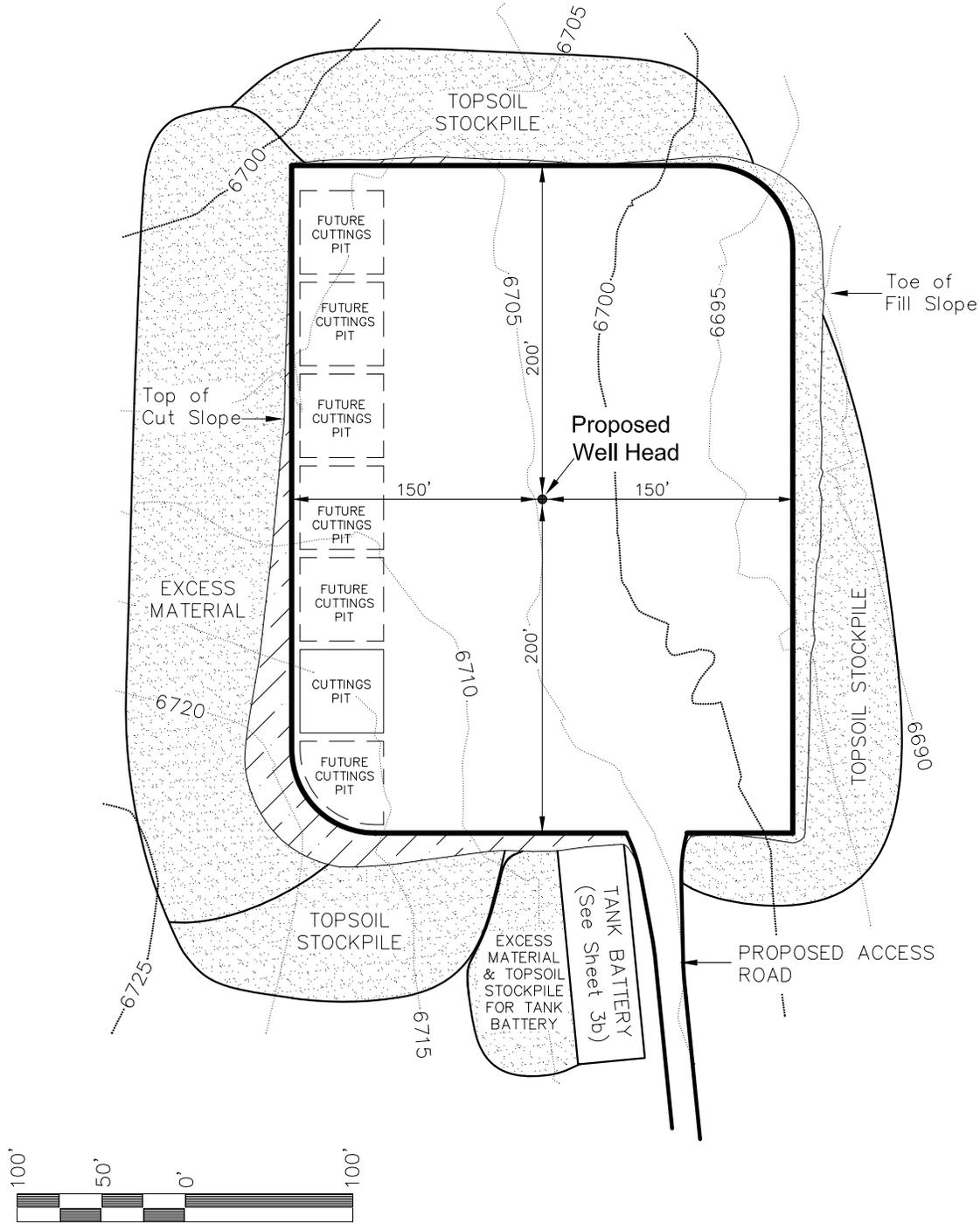
NOTE:  
TOTAL TANK BATTERY DISTURBANCE = ±0.22 ACRES  
TOTAL MATERIAL STOCKPILES = ±0.13 ACRES

ESTIMATED EARTHWORK QUANTITIES (No shrink or swell adjustments have been used) (Expressed in Cubic Yards)		
CUT	Excess Material	= 270
6" Topsoil Stripping	Topsoil	= 100
Remaining Location		= 180
<b>TOTAL CUT = 280</b>	Excess Unbalance	= 255
<b>FILL = 10</b>	(After Rehabilitation- 50% Fluff Factor Applied)	

CONTOUR INTERVAL = 2'

Section 32, T1N, R98W, 6th P.M.		Qtr/Qtr Location: NE NE	Footage Location: 1213' FNL & 1229' FEL
Date Surveyed: 10-23-08	Date Drawn: 10-28-08	Date Last Revision: 10-21-09	<b>Timberline</b> (435) 789-1365 Engineering & Land Surveying, Inc. 209 NORTH 300 WEST VERNAL, UTAH 84078
Surveyed By: B.J.S.	Drawn By: M.W.W.	Scale: 1" = 40'	

**BOPCO, L.P.**  
**SOILS PILES - YCF 32-41-1**

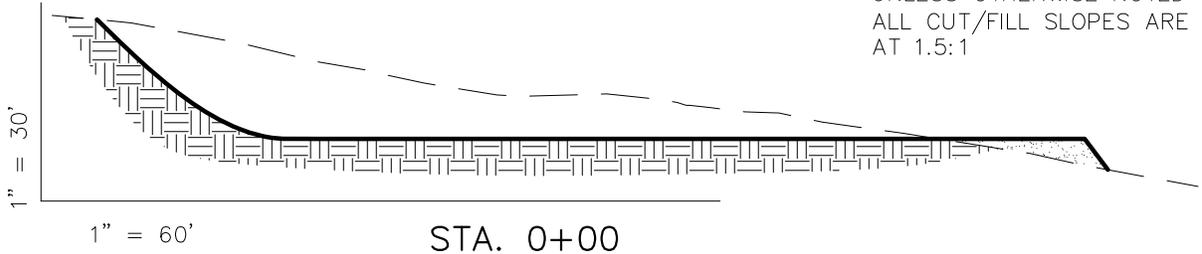
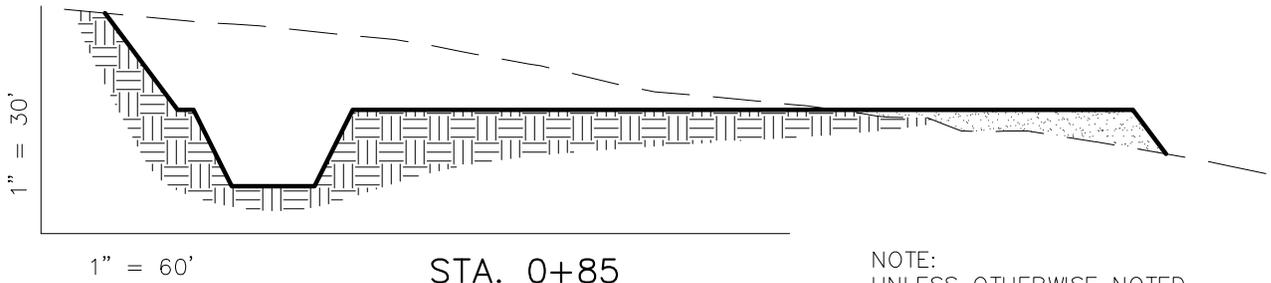
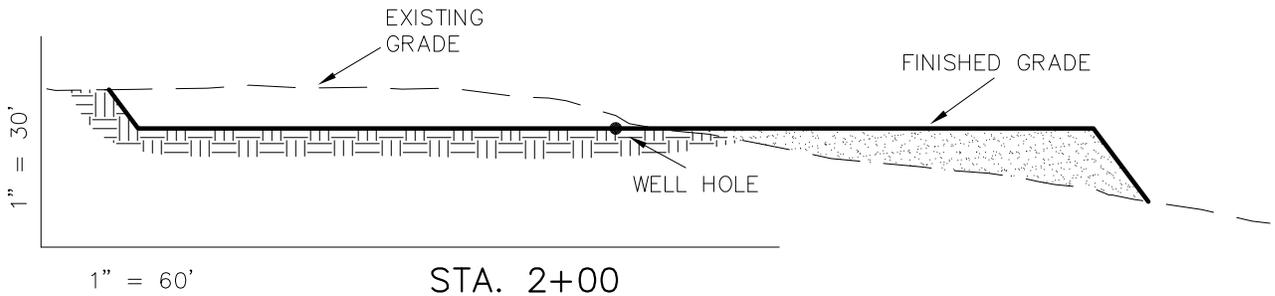
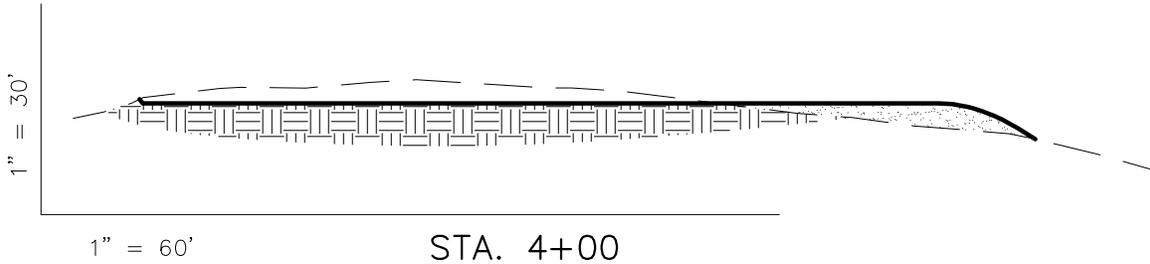


CONTOUR INTERVAL = 5'

Section 32, T1N, R98W, 6th P.M.		Qtr/Qtr Location: NE NE	Footage Location: 1213' FNL & 1229' FEL
Date Surveyed: 10-23-08	Date Drawn: 11-03-08	Date Last Revision: 10-21-09	<b>Timberline</b> (435) 789-1365 <i>Engineering &amp; Land Surveying, Inc.</i> 209 NORTH 300 WEST VERNAL, UTAH 84078
Surveyed By: B.J.S.	Drawn By: M.W.W.	Scale: 1" = 100'	

# BOPCO, L.P.

## CROSS SECTIONS - YCF 32-41-1



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

### REFERENCE POINTS

250' NORTHERLY = 6705.3'  
300' NORTHERLY = 6706.5'  
200' EASTERLY = 6687.7'  
250' EASTERLY = 6684.7'

### ESTIMATED EARTHWORK QUANTITIES (No shrink or swell adjustments have been used) (Expressed in Cubic Yards)

CUT	Excess Material = 8,400
6" Topsoil Stripping = 2,220	Topsoil & Pit Backfill = 2,860 (Full Pit Volume)
Remaining Location = 15,900	
<b>TOTAL CUT = 18,120</b>	Excess Unbalance = 8,310 (After Rehabilitation - 50% Fluff Factor Applied)
<b>FILL = 9,720</b>	

Section 32, T1N, R98W, 6th P.M.

Qtr/Qtr Location: NE NE

Footage Location: 1213' FNL & 1229' FEL

Date Surveyed:  
10-23-08

Date Drawn:  
10-27-08

Date Last Revision:  
10-21-09

**Timberline**

(435) 789-1365

SHEET

Surveyed By: B.J.S.

Drawn By: M.W.W.

Scale: 1" = 60'

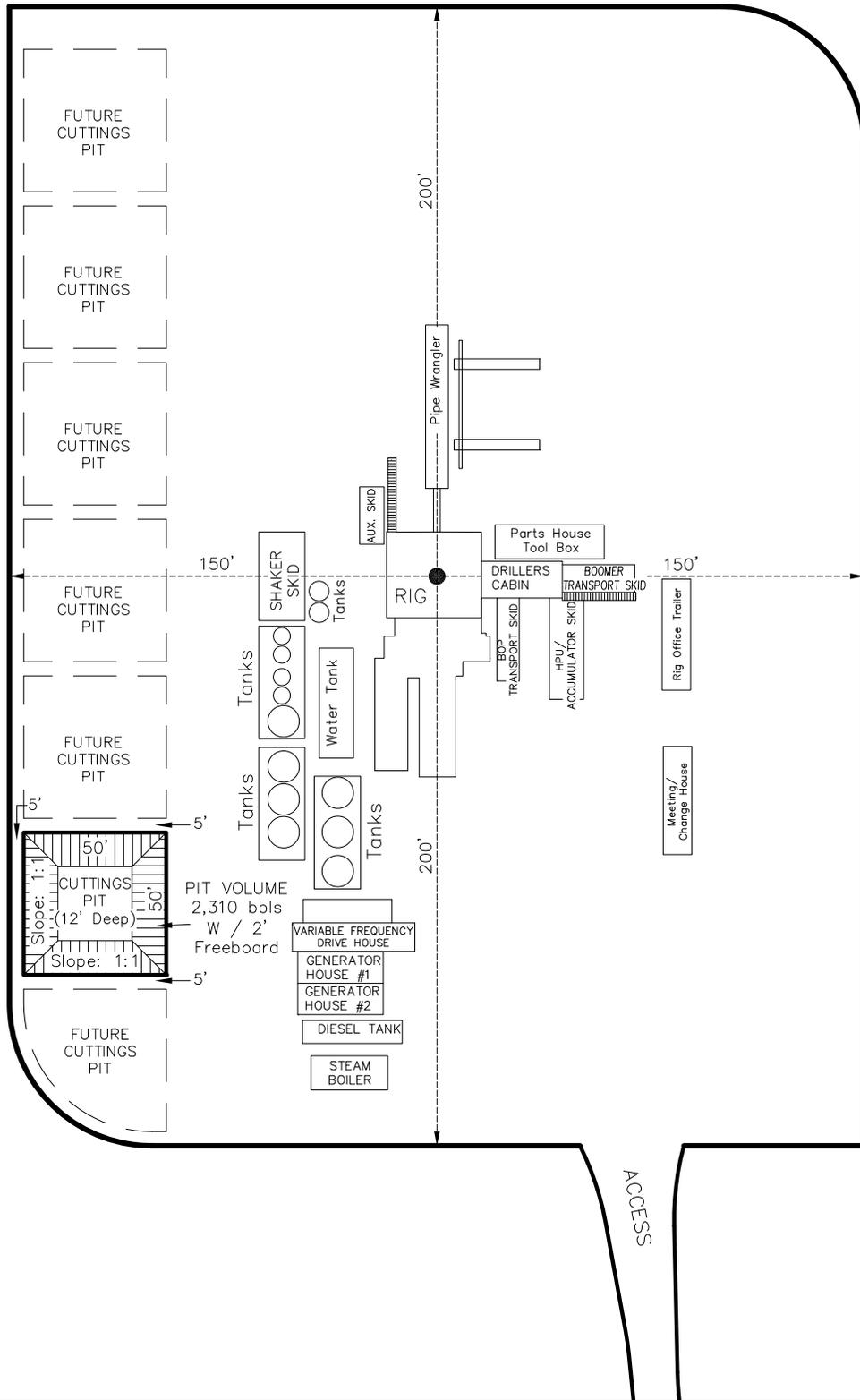
Engineering & Land Surveying, Inc.

209 NORTH 300 WEST VERNAL, UTAH 84078

**4**  
OF 10

# BOPCO, L.P.

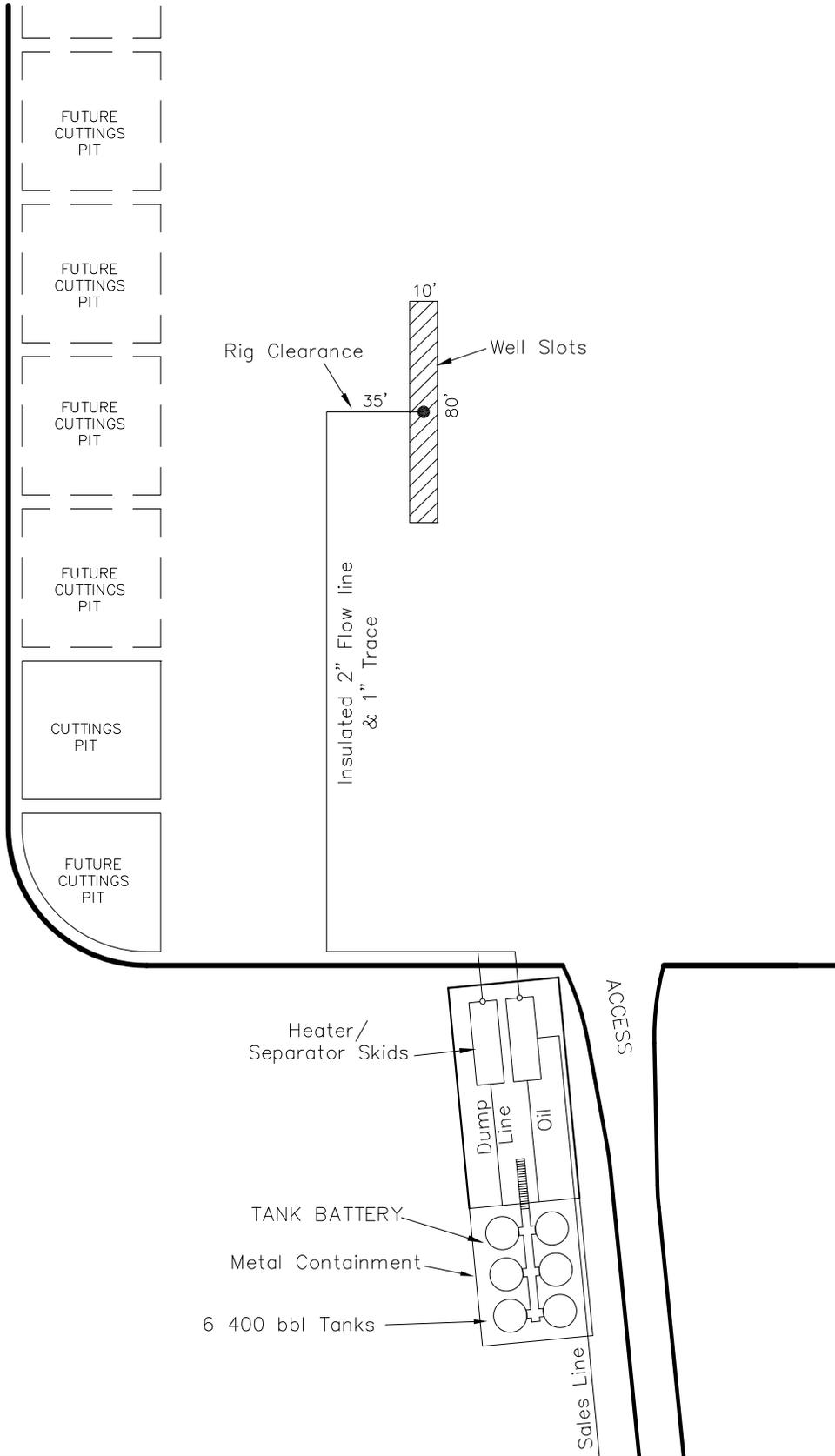
## TYPICAL RIG LAYOUT - YCF 32-41-1



Section 32, T1N, R98W, 6th P.M.		Qtr/Qtr Location: NE NE	Footage Location: 1213' FNL & 1229' FEL
Date Surveyed: 10-23-08	Date Drawn: 10-27-08	Date Last Revision: 10-21-09	<b>Timberline</b> (435) 789-1365 Engineering & Land Surveying, Inc. 209 NORTH 300 WEST VERNAL, UTAH 84078
Surveyed By: B.J.S.	Drawn By: M.W.W.	Scale: 1" = 60'	

# BOPCO, L.P.

## TYPICAL PRODUCTION LAYOUT - YCF 32-41-1



Section 32, T1N, R98W, 6th P.M.		Qtr/Qtr Location: NE NE	Footage Location: 1213' FNL & 1229' FEL
Date Surveyed: 10-23-08	Date Drawn: 10-27-08	Date Last Revision: 10-21-09	<b>Timberline</b> (435) 789-1365 Engineering & Land Surveying, Inc. 209 NORTH 300 WEST VERNAL, UTAH 84078
Surveyed By: B.J.S.	Drawn By: M.W.W.	Scale: 1" = 60'	