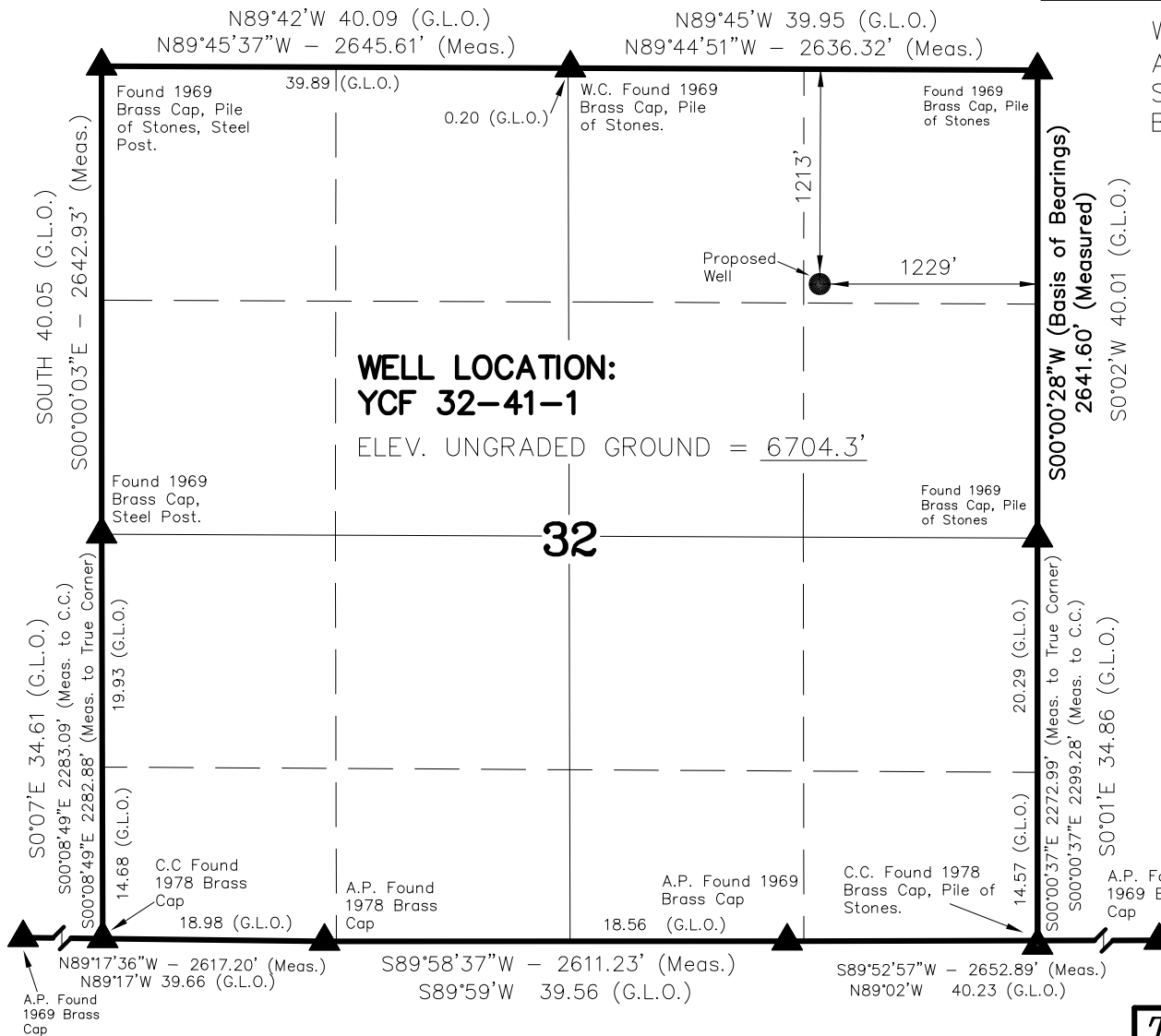
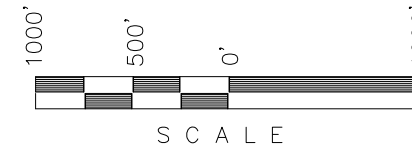


T1N, R98W, 6th P.M.

BOPCO, L.P.



WELL LOCATION, YCF 32-41-1, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 32, T1N, R98W, 6th P.M. RIO BLANCO COUNTY, COLORADO.



NOTES:

1. G.L.O. distances are shown in feet or chains. 1 chain = 66 feet.
2. Well footages are measured at right angles to the Section Lines.
3. Bearings are based on Global Positioning Satellite observations.
4. See Addendum To Legal Plat For Existing Improvements Within 400' of The Proposed Well Head.
5. Surface use of location is grazing. Vegetation consists mainly of pinion, sagebrush, and native grasses.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 37982
STATE OF COLORADO

▲ = SECTION CORNERS LOCATED

BASIS OF ELEVATION IS A SPOT ELEVATION AT A ROAD INTERSECTION LOCATED IN THE SW 1/4 NE 1/4 OF SECTION 32, T1N, R98W, 6th P.M. THE ELEVATION OF THIS ROAD INTERSECTION IS MARKED ON THE BARCUS CREEK 7.5 MIN. QUADRANGLE AS BEING 6727'.

**YCF 32-41-1
(Proposed Well Head) NAD 83**

LATITUDE = 40.01577°N
(40° 00' 56.78"N)
LONGITUDE = 108.41038°W
(108° 24' 37.37"W)

Operator: Brock Slaugh / PDOP = 2.1

TIMBERLINE

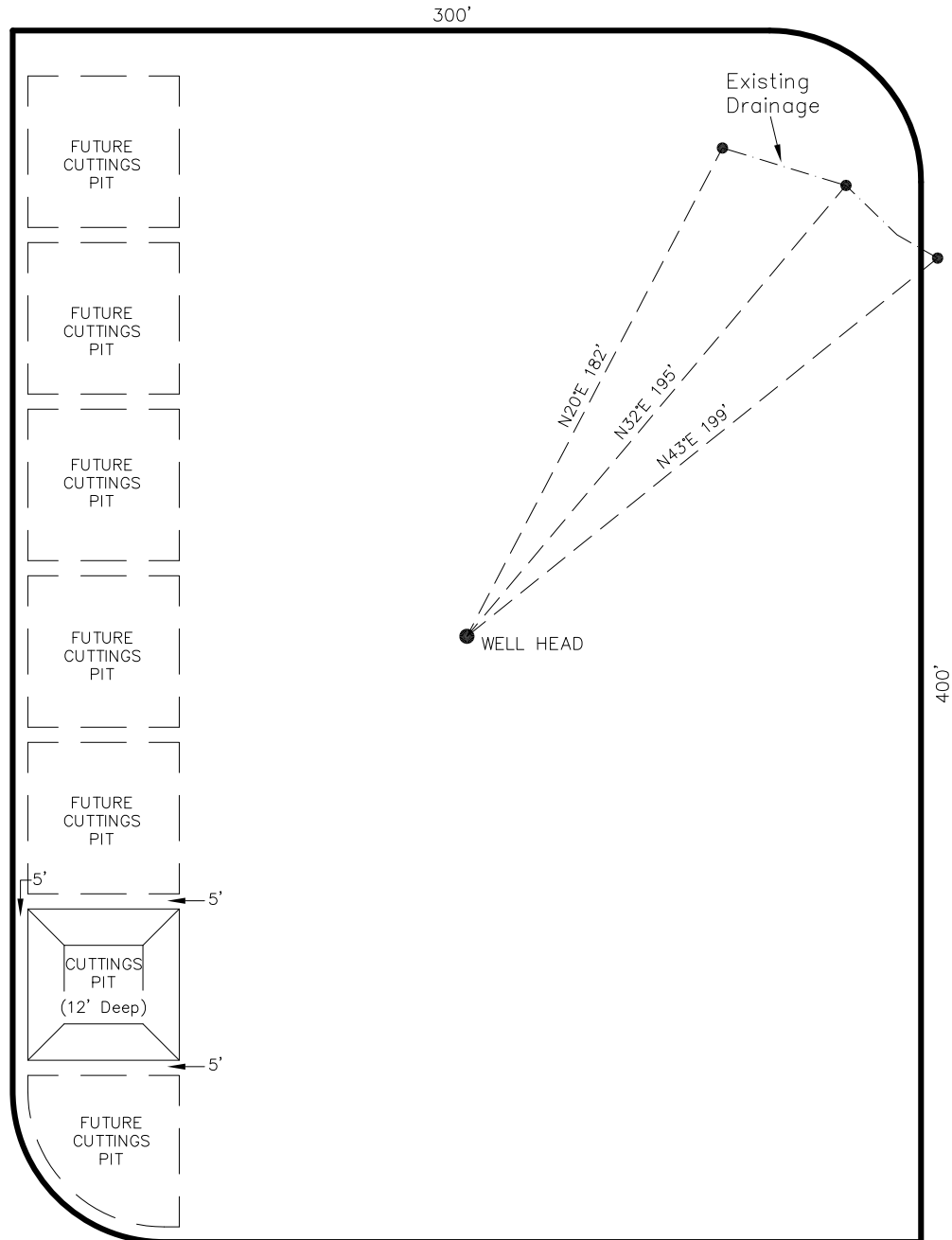
ENGINEERING & LAND SURVEYING, INC.

209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 10-23-08	SURVEYED BY: B.J.S.	SHEET 2a OF 10
DATE DRAWN: 10-27-08	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'	Date Last Revised: 10-21-09	

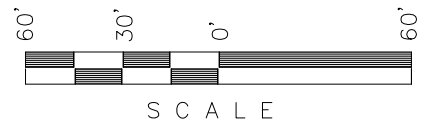
BOPCO, L.P.

ADDENDUM TO LEGAL PLAT YCF 32-41-1



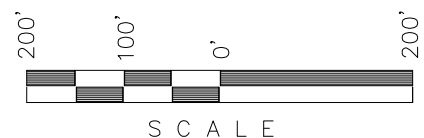
NOTES:

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	Timberline <i>Engineering & Land Surveying, Inc.</i> (435) 789-1365 209 NORTH 300 WEST VERNAL, UTAH 84078
Surveyed By: B.J.S.	Drawn By: M.W.W.	Scale: 1" = 60'	

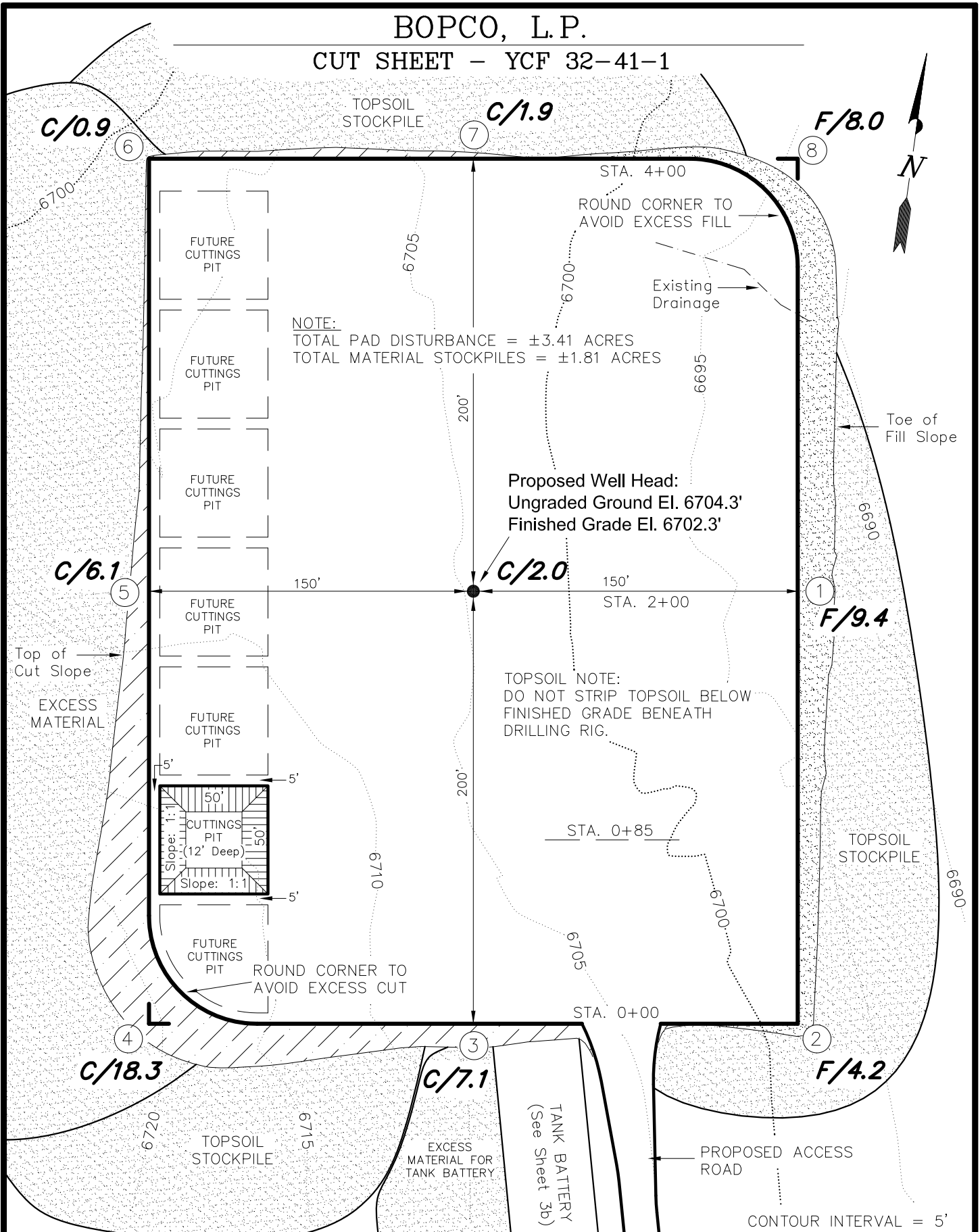
SHEET
2b
OF 10



Timberline (435) 789-1365
Engineering & Land Surveying, Inc.
209 NORTH 300 WEST VERNAL, UTAH 84078

BOPCO, L.P.

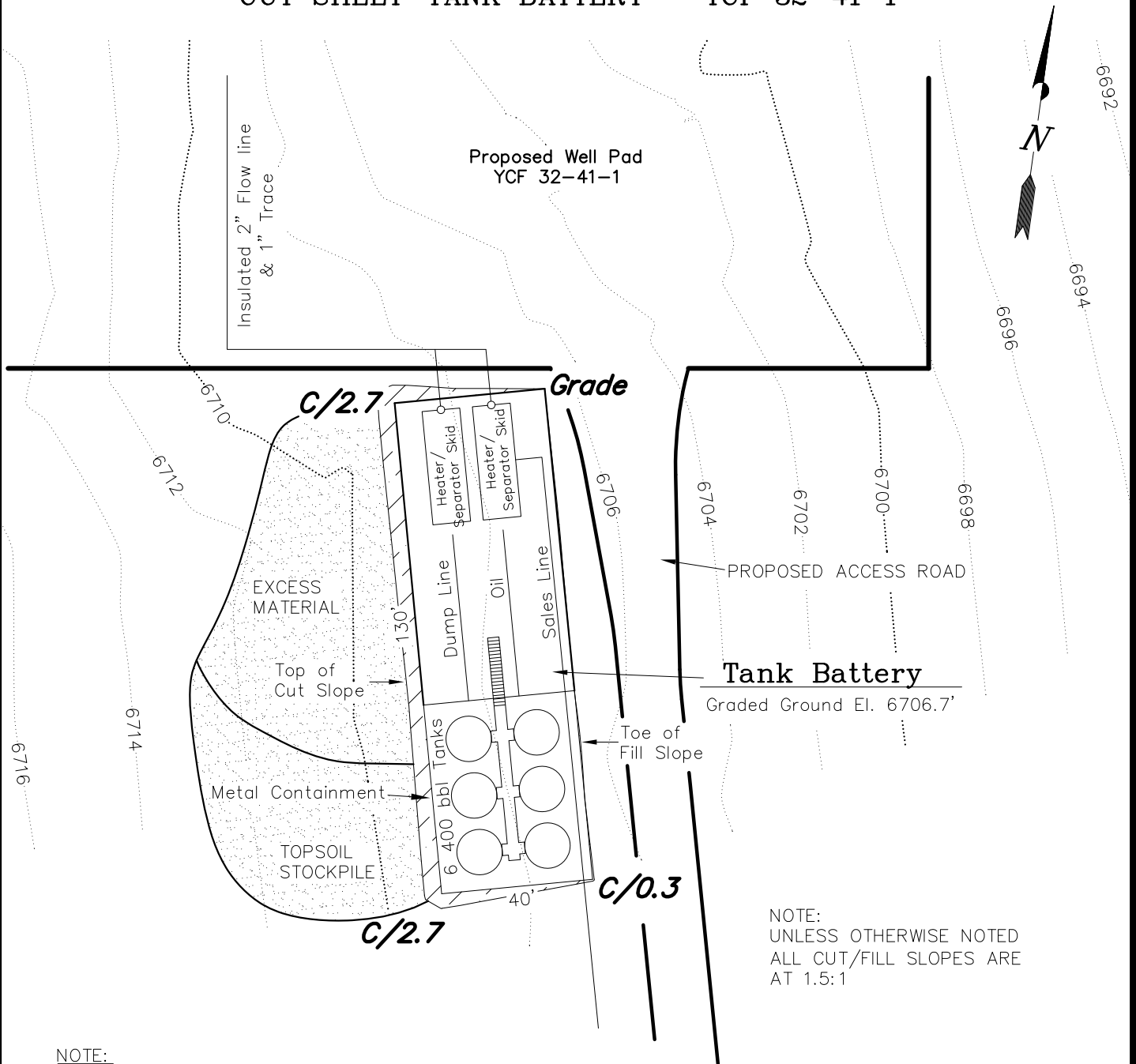
CUT SHEET - YCF 32-41-1



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	Timberline Engineering & Land Surveying, Inc. 209 NORTH 300 WEST VERNAL, UTAH 84078 (435) 789-1365
Surveyed By: B.J.S.	Drawn By: M.W.W.	Scale: 1" = 60'	
			SHEET 3a OF 10

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

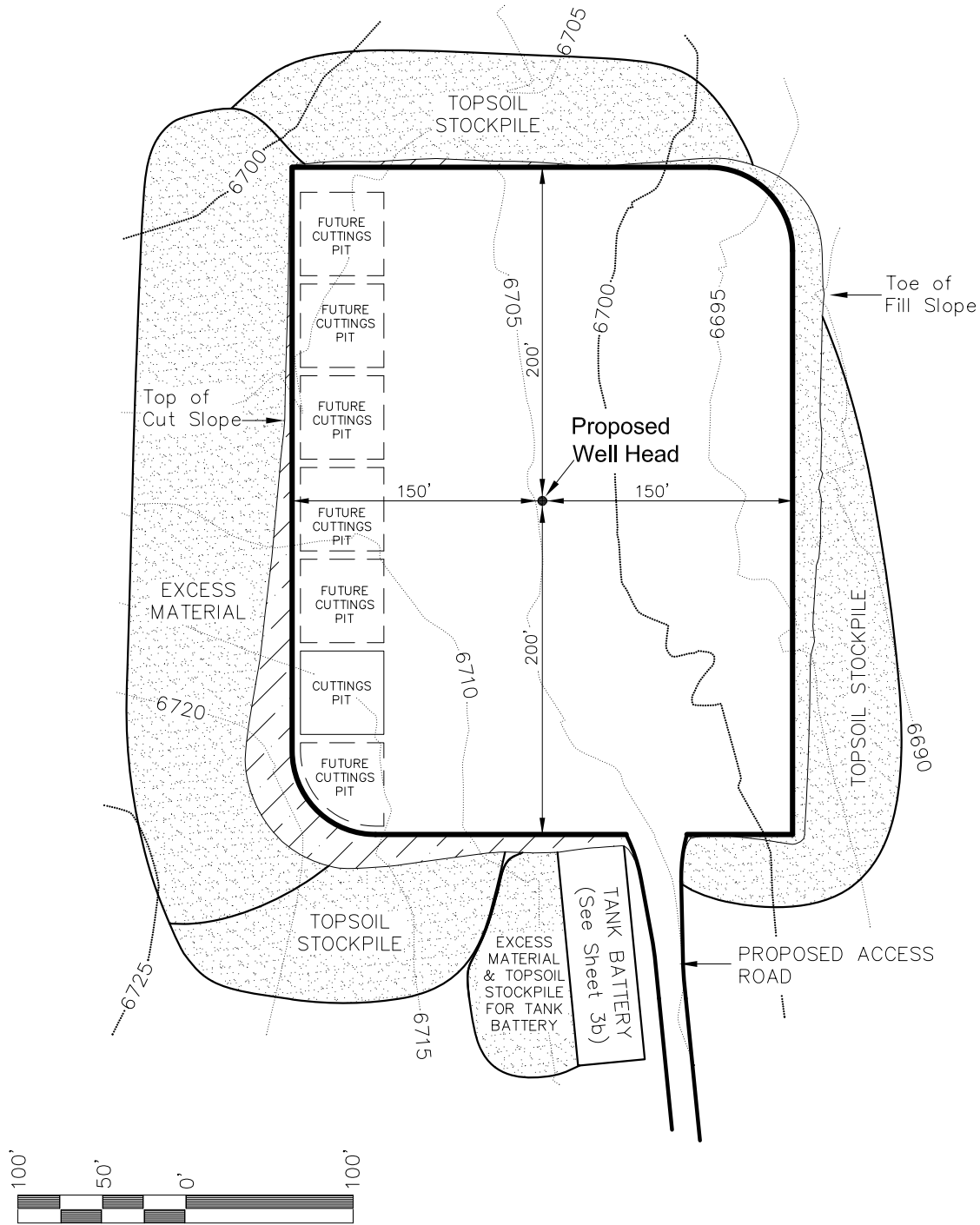
ESTIMATED EARTHWORK QUANTITIES (No shrink or swell adjustments have been used) (Expressed in Cubic Yards)		
CUT	Excess Material	= 270
6" Topsoil Stripping = 100	Topsoil	= 100
Remaining Location = 180		
TOTAL CUT = 280	Excess Unbalance	= 255
FILL = 10	(After Rehabilitation— 50% Fluff Factor Applied)	

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	Timberline <i>Engineering & Land Surveying, Inc.</i> 209 NORTH 300 WEST VERNAL, UTAH 84078 (435) 789-1365
Surveyed By: B.J.S.	Drawn By: M.W.W.	Scale: 1" = 40'	
			SHEET 3b OF 10

BOPCO, L.P.

SOILS PILES - YCF 32-41-1



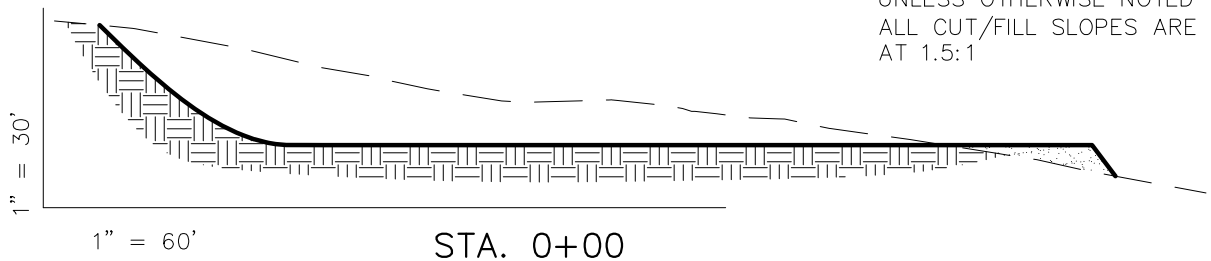
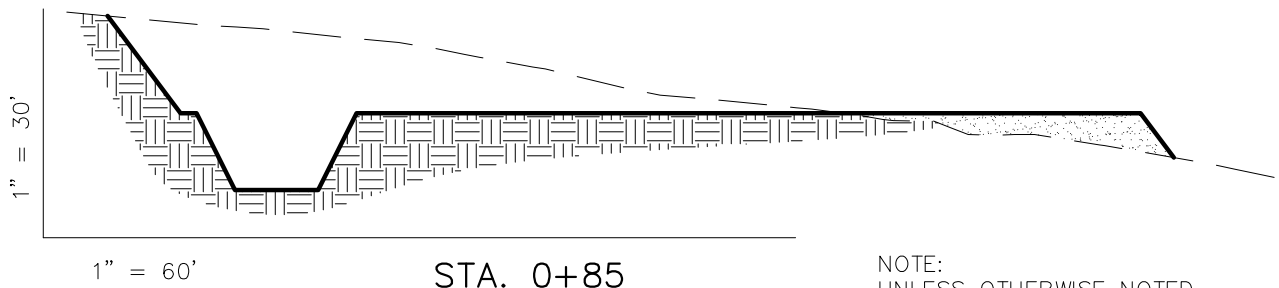
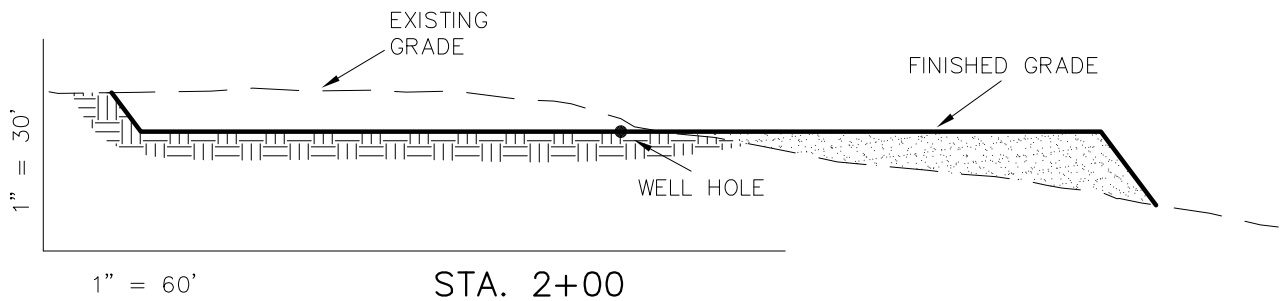
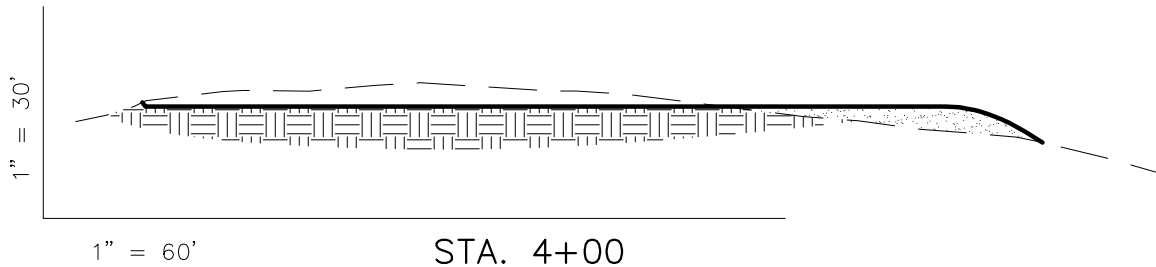
S C A L E

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	Timberline <i>Engineering & Land Surveying, Inc.</i> 209 NORTH 300 WEST VERNAL, UTAH 84078 (435) 789-1365
Surveyed By: B.J.S.	Drawn By: M.W.W.	Scale: 1" = 100'	
			SHEET 3c OF 10

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

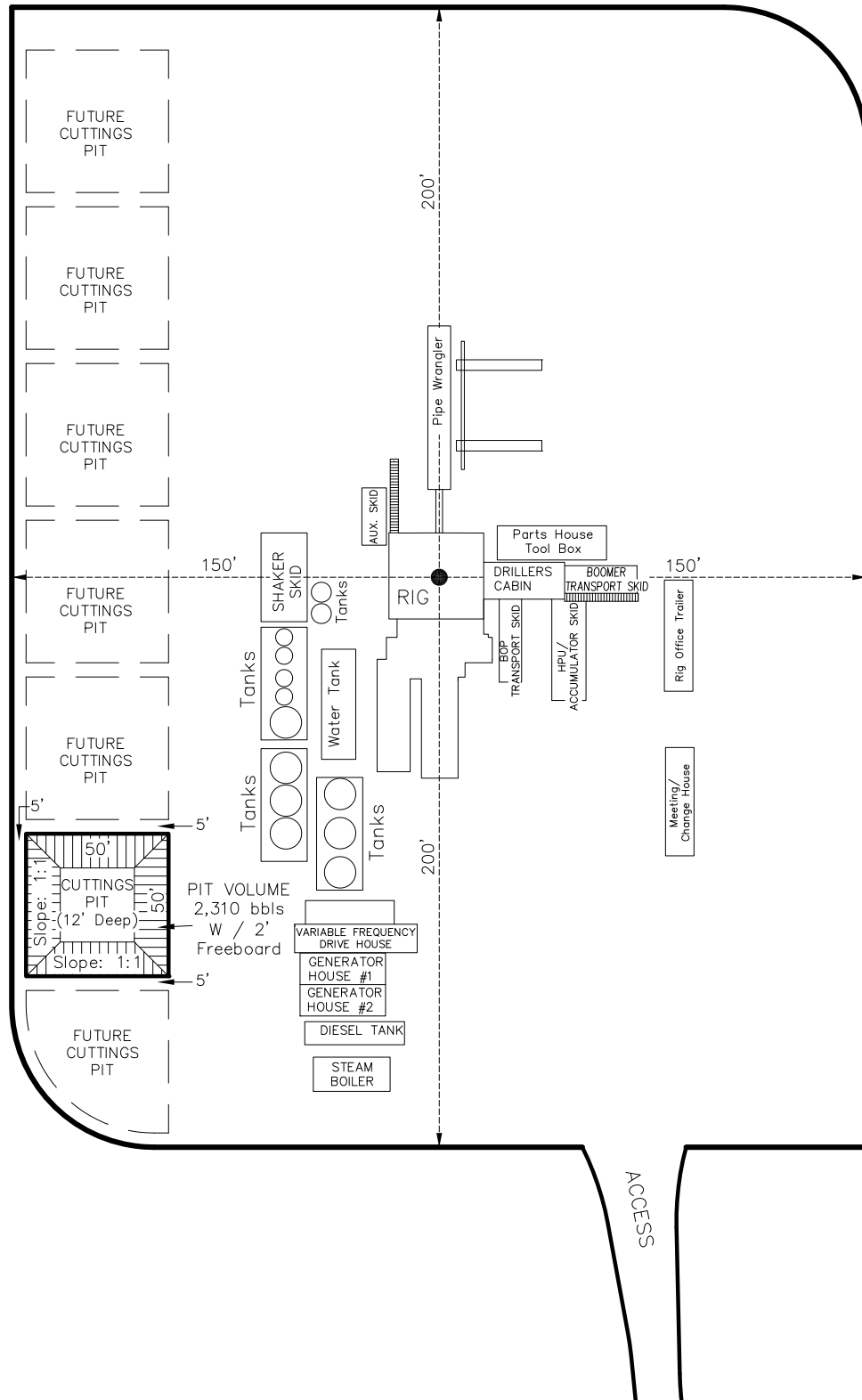
(No shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

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

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
Surveyed By: B.J.S.	Drawn By: M.W.W.	Scale: 1" = 60'	Engineering & Land Surveying, Inc. 209 NORTH 300 WEST VERNAL, UTAH 84078
			SHEET 4 OF 10

BOPCO, L.P.

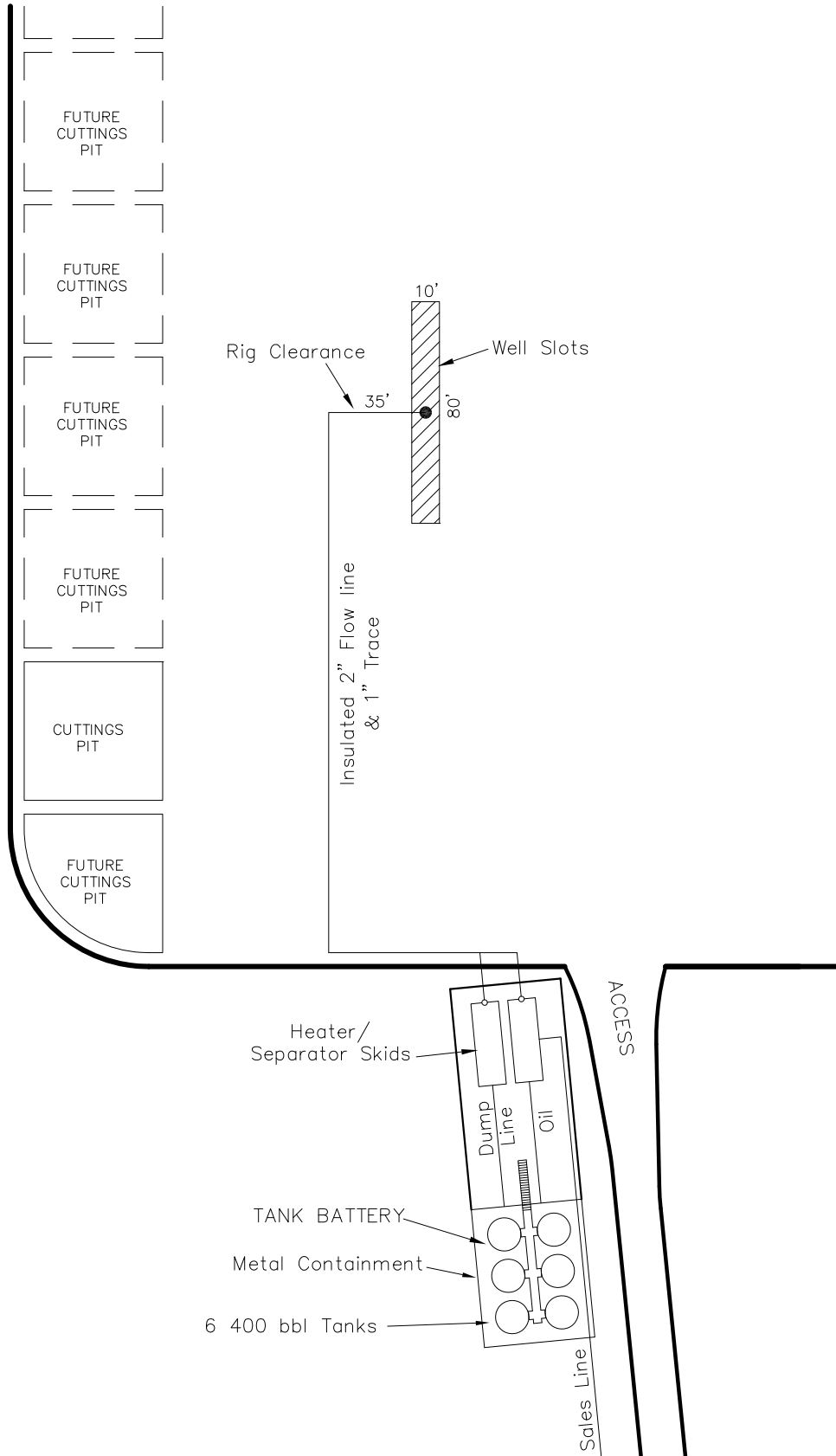
TYPICAL RIG LAYOUT – YCF 32-41-1



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	Timberline Engineering & Land Surveying, Inc. 209 NORTH 300 WEST VERNAL, UTAH 84078 (435) 789-1365
Surveyed By: B.J.S.	Drawn By: M.W.W.	Scale: 1" = 60'	
			SHEET 5 OF 10

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	Timberline Engineering & Land Surveying, Inc. 209 NORTH 300 WEST VERNAL, UTAH 84078 (435) 789-1365
Surveyed By: B.J.S.	Drawn By: M.W.W.	Scale: 1" = 60'	