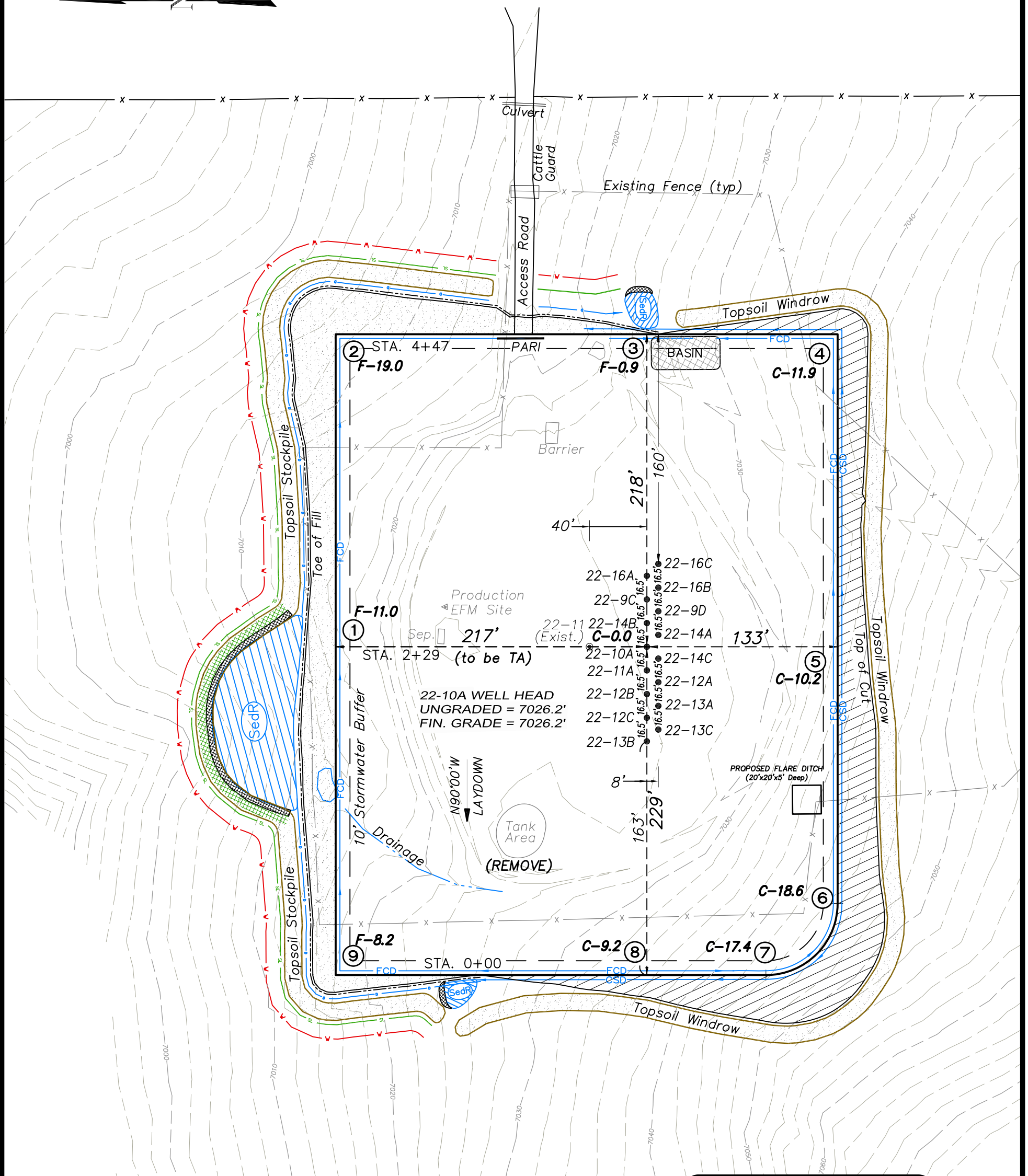
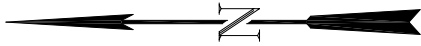









SE1/4 SW1/4, SECTION 22, T7S, R93W, 6th P.M.  
WELL PAD LAYOUT



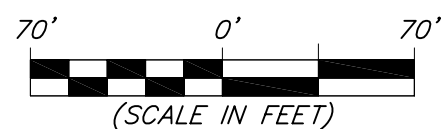
**NOTES:**

- (1) Slope Track and/or Terrace all Slopes and Piles
- (2) Erosion Control & Seed Topsoil
- (3) Erosion Control & Seed Outside
- (4) Slope away from Substructure  
Areas 1% to 3% to Flow Control

**LEGEND**

-  = SLASH
-  ST = SEDIMENT TRAP
- SedR = SEDIMENT RESERVOIR
- R.O.D. = RUN-ON DIVERSION
-  W = PERIMETER CONTROL (WATTLES)
- CSD = CUT SLOPE DIVERSION (BERM TOE OF CUT SLOPE)
- D = FILL DIVERSION TO SEDIMENT TRAP
- VBG = VEGETATION BUFFER (UNDISTURBED LAND INSIDE PC)
- FCD = FLOW CONTROL DITCH
- PARI = PAD/ACCESS ROAD INTERFACE
-  = LEVEL SPREADER
-  = TOE BERM (PLACED AT TOE OF ALL FILL SLOPES/STOCKPILES)
-  = TOPSOIL BERM
-  = SEED, ECB & FLEX

SURFACE DISTURBANCE (IN ACRES)	
Well Pad	3.6
Side Slopes	0.7
Stockpiles & Stormwater	1.28
<b>TOTAL</b>	<b>5.58</b>



<i>Well Pad Layout</i>		Scale: 1" = 70'	SHEET <b>3</b> OF 10
Project No.	11-04-54	Date Surveyed: 5/18/11	
Date Drawn:	8/24/11	Latest Revision Date: 8/26/11	



906 Main Street  
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Phone No. (307) 789-4545

## SURFACE DISTURBANCE AREA

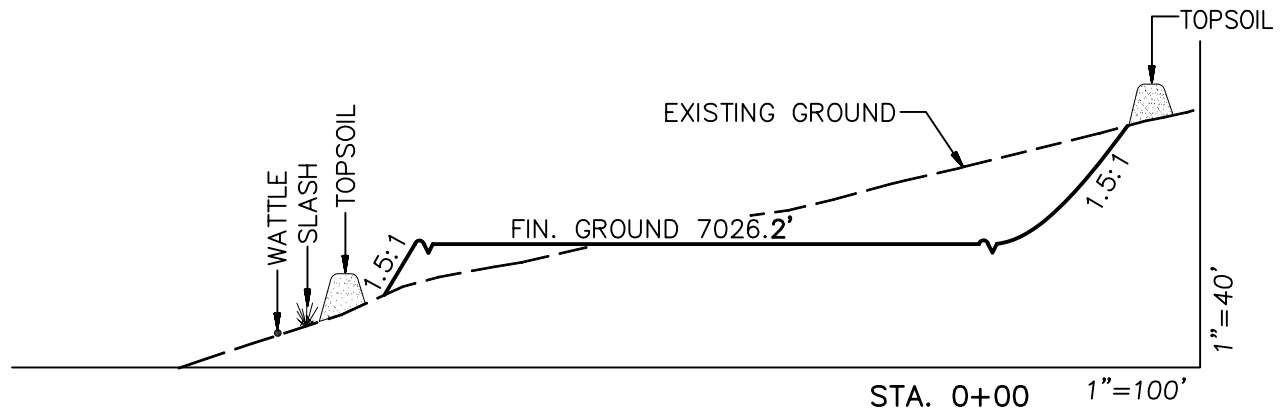
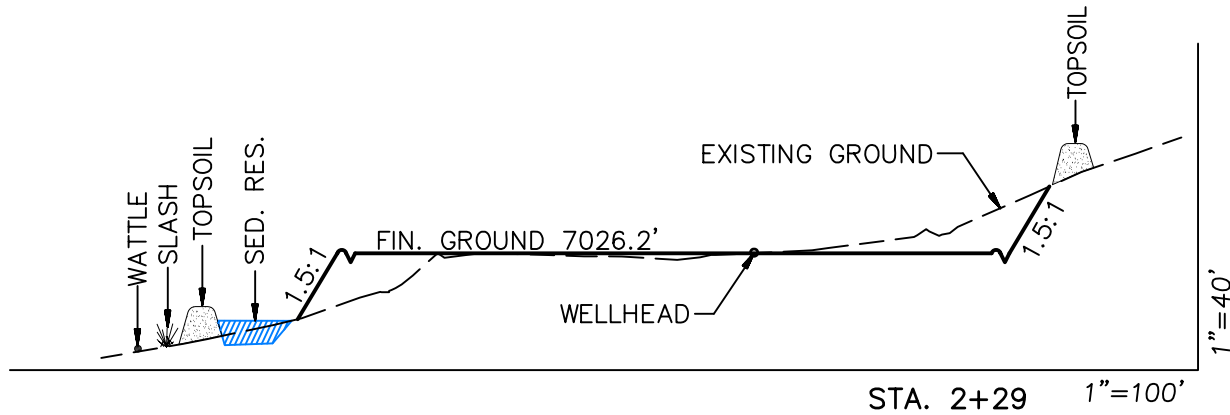
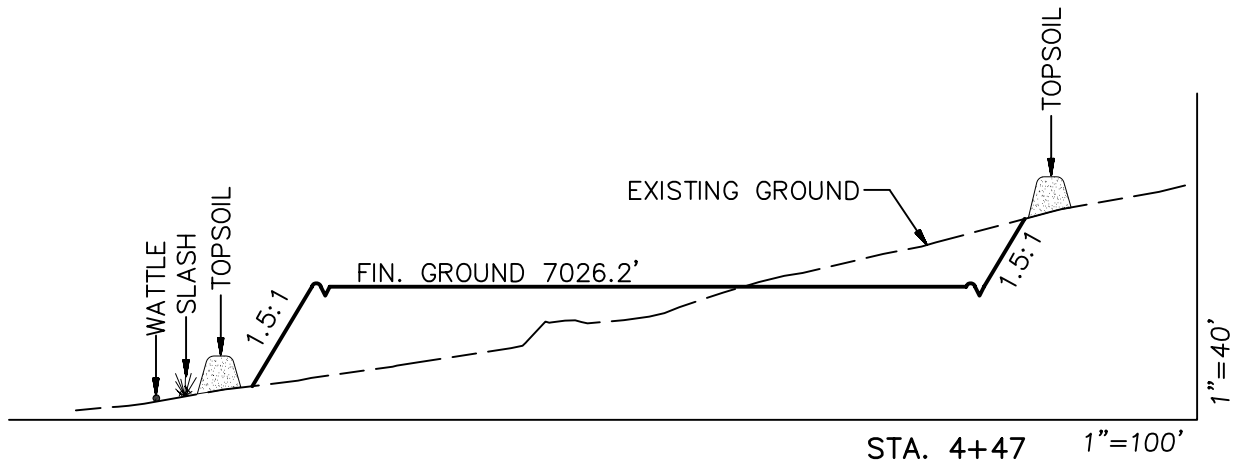


<i>Surface Disturbance</i>		<i>Scale: 1" = 100'</i>	<b>SHEET</b> <b>7</b> <b>OF 10</b>
Project No.	11-04-54	Date Surveyed: 5/18/11	
Date Drawn:	6/01/11	Latest Revision Date:	

# Encana Oil & Gas (USA) Inc.

## N22W Well Pad

### CROSS SECTIONS



#### SURFACE DISTURBANCE (IN ACRES)

Well Pad	3.6
Side Slopes	0.7
Stockpiles & Stormwater	1.28
TOTAL	5.58

**NOTE:**  
ALL CUT AND FILL  
SLOPES ARE AT 1.5:1  
UNLESS OTHERWISE  
NOTED.

#### EARTHWORK QUANTITIES

(in Cubic Yards w/ 0% shrink/swell)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	17442	16673	Topsoil not included in Excavation	769
PIT	0	0		0
TOTALS	17442	16673	3477	769



906 Main Street  
Evanston, Wyoming 82930  
Phone No. (307) 789-4545

#### Cross Sections

Project No. 11-04-54  
Date Drawn: 8/24/11

#### Scale: As Shown

Date Surveyed: 5/18/11  
Latest Revision Date: 8/26/11

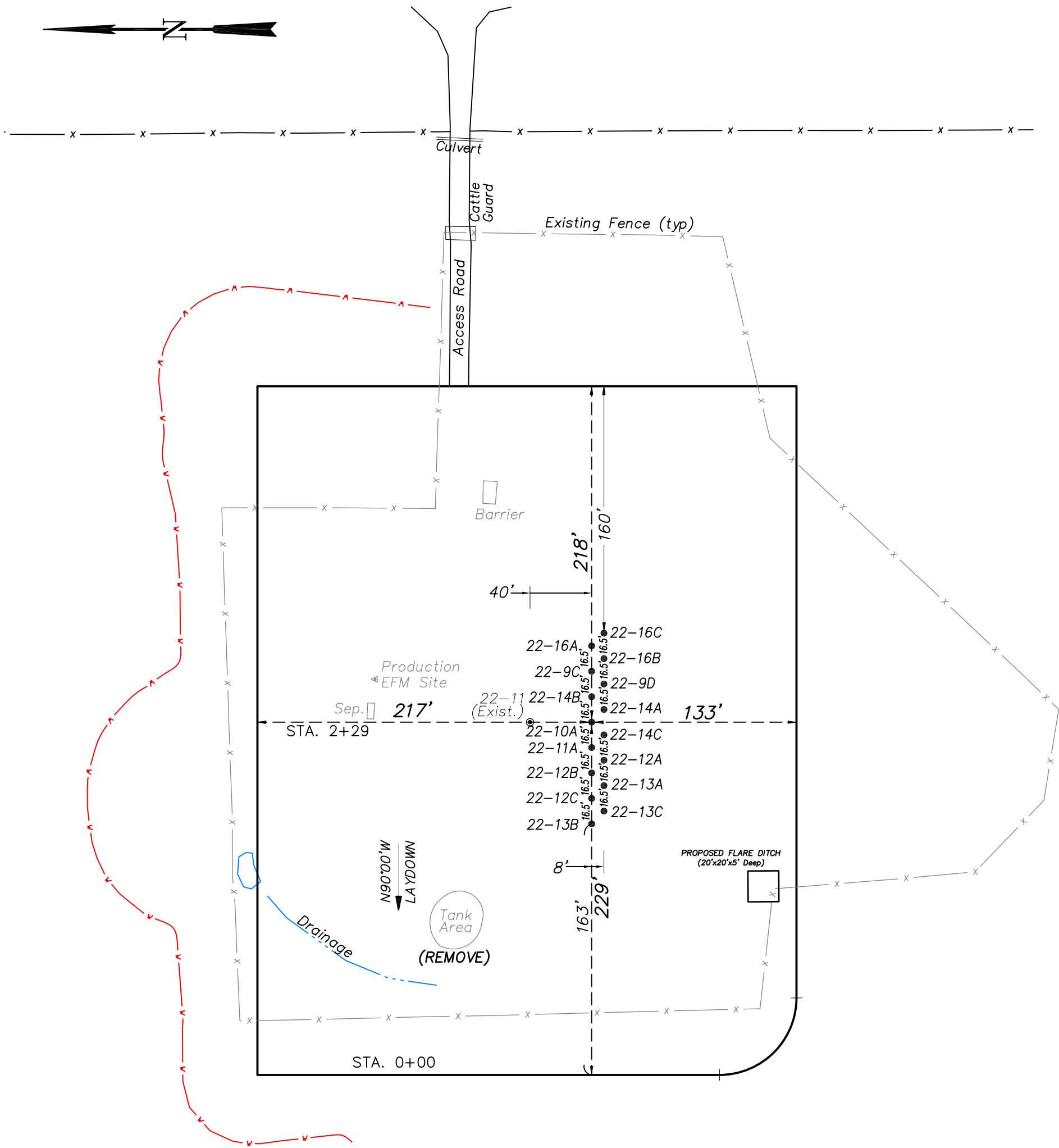
#### SHEET

**4**

OF 10

Encana Oil & Gas (USA) Inc.  
N22W Well Pad

SE1/4 SW1/4, SECTION 22, T7S, R93W, 6th P.M.  
WELL PAD LAYOUT



Total Surface Disturbance = **5.58 Acres**  
(See Sheet 4 for Details)

- NOTES:
- (1) Slope Track and/or Terrace all Slopes and Piles
  - (2) Erosion Control & Seed Topsoil
  - (3) Erosion Control & Seed Outside
  - (4) Slope away from Substructure Areas 1% to 3% to Flow Control

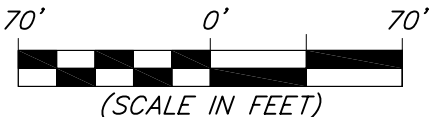
- LEGEND
- SL = SLASH
  - ST = SEDIMENT TRAP
  - SedR = SEDIMENT RESERVOIR
  - R.O.D. = RUN-ON DIVERSION
  - W = PERIMETER CONTROL (WATTLES)
  - CSD = CUT SLOPE DIVERSION (BERM TOE OF CUT SLOPE)
  - D = FILL DIVERSION TO SEDIMENT TRAP
  - VCB = VEGETATION BUFFER (UNDISTURBED LAND INSIDE PC)
  - FCD = FLOW CONTROL DITCH
  - PARI = PAD/ACCESS ROAD INTERFACE
  - LEVEL SPREADER
  - TOE BERM (PLACED AT TOE OF ALL FILL SLOPES/STOCKPILES)
  - TOPSOIL BERM
  - SEED, ECB & FLEX

PRE-CONSTRUCTION PHASE COMPLETE,  
AUTHORIZATION TO CONTINUE  
CONSTRUCTION.

SIGNATURE: \_\_\_\_\_



906 Main Street  
Evanston, Wyoming 82930  
Phone No. (307) 789-4545



Pre-Construction		Scale: 1" = 70'	
Project No.	11-04-54	Date Surveyed:	5/18/11
Date Drawn:	8/24/11	Latest Revision Date:	8/26/11

SHEET  
**3a**  
OF 10