

ENCANA OIL & GAS (USA) INC

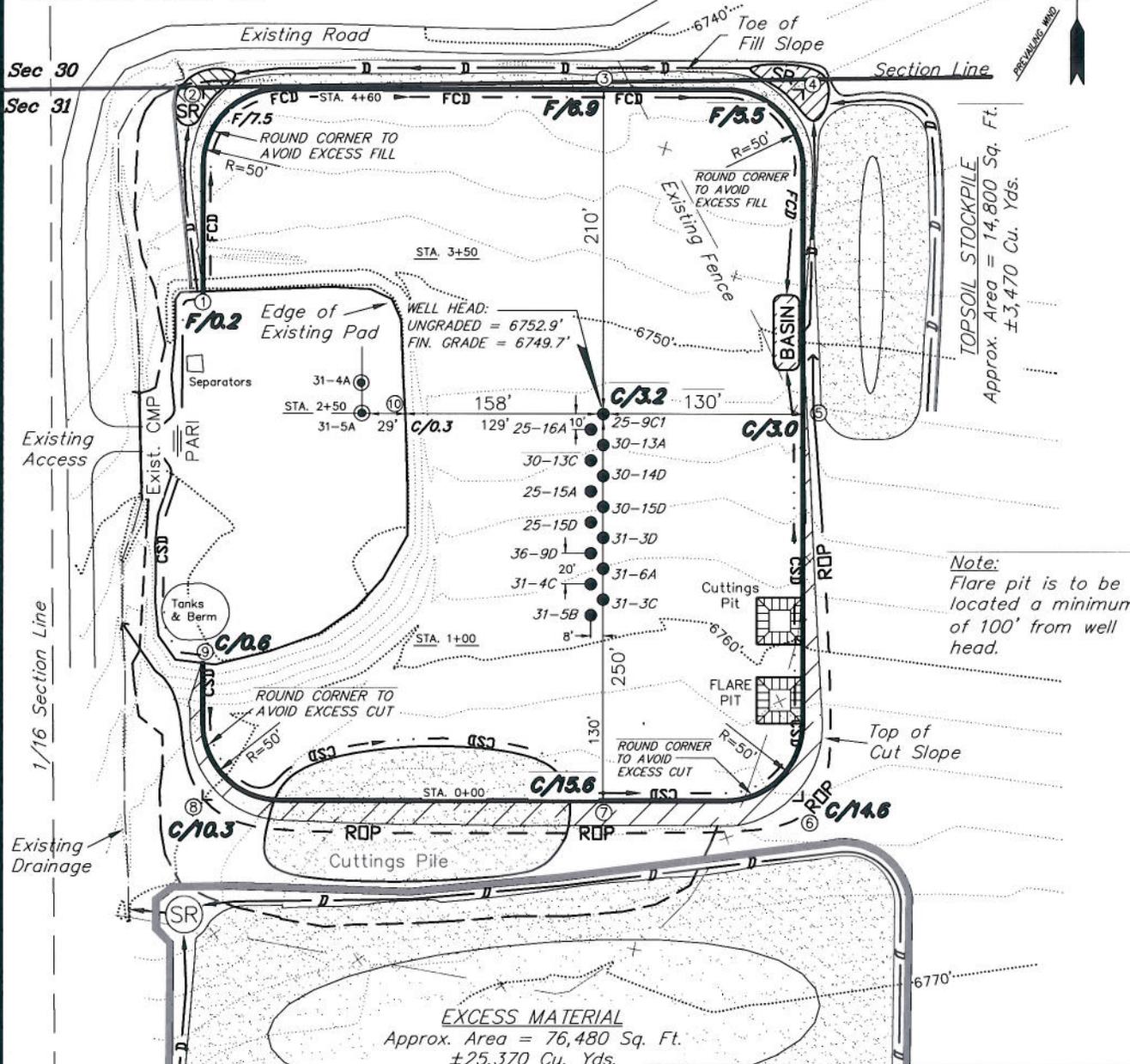
CONSTRUCTION LAYOUT DRAWING CUT SHEET

WELL PAD (C31E)

Section 31, T7S, R92W, 6th P.M.

NOTE:

The topsoil & waste material area is calculated as being mounds containing 28,840 cubic yards of dirt (a 15% fluff factor is included). The mound areas are calculated with push slopes of 2.5:1 & fall slopes of 2.5:1.



Note:
Flare pit is to be located a minimum of 100' from well head.

LEGEND:

- CDM = CHECK DAM
- ST = SEDIMENT TRAP
- SR = SEDIMENT RESERVOIR
- PARI = FLOW CONTROL DITCH
- FCD = RUN-ON PROTECTION
- R.O.P. = PAD/ACCESS ROAD INTERFACE
- = PERIMETER CONTROL (WATTLES)
- D = FILL DIVERSION TO SEDIMENT TRAP
- CSD = CUT SLOPE DIVERSION (BERM TOE OF CUT SLOPE)
- VGB = VEGETATION BUFFER (UNDISTURBED LAND INSIDE PC)

NOTES:

- (1) Slope Track and/or Terrace All Slopes and Piles
- (2) Erosion Control & Seed Topsoil Stockpile
- (3) Erosion Control & Seed Outside Slopes of Stockpiles
- (4) Slope away from Substructure Areas 3% to 5% to Flow Control Ditch on Entire Pad
- (5) When Possible the Cut and Fill Slopes Directly Behind the Proposed Production Equipment Should be Reclaimed with 3:1 Slopes and Topsoil Spread During Pad Construction.
- (6) BMP Selection and Position may Change Depending on Actual Conditions Encountered During the Construction Process.
- (7) All CMP's Shall have Inlet and Outlet Protection.
- (8) Use Material Generated from Sloping pad Surface to Constructed Pad Perimeter Berm.

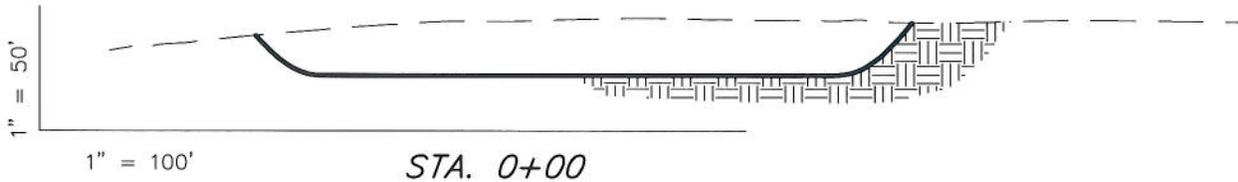
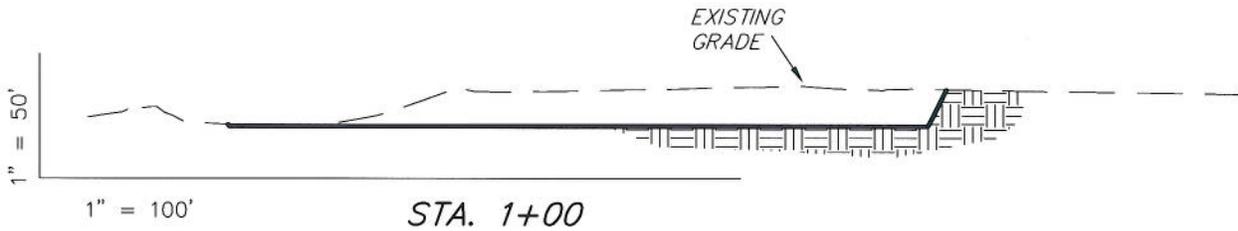
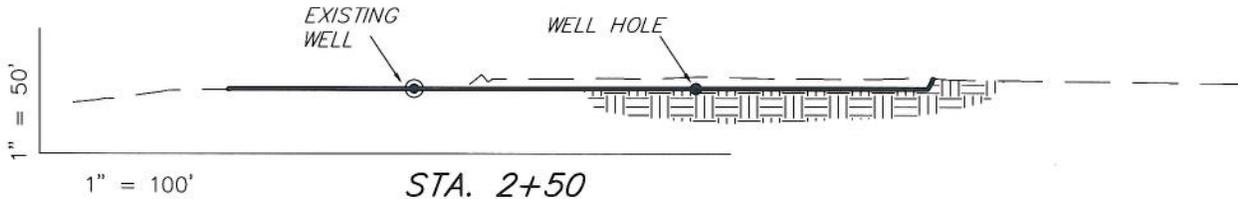
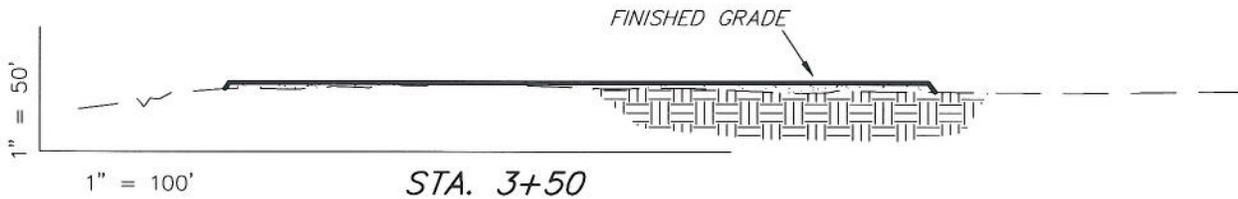
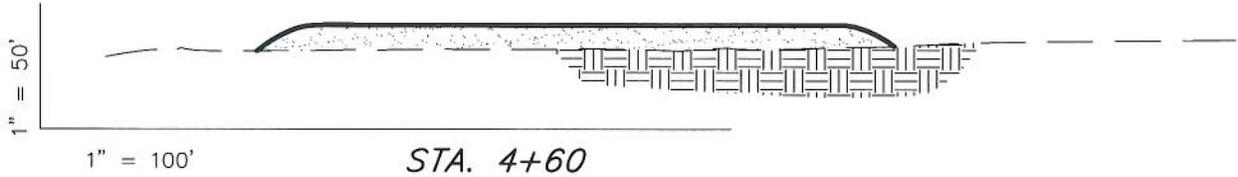
SURVEYED BY: C.D.S.	DATE SURVEYED: 05-13-09
DRAWN BY: F.T.M.	DATE DRAWN: 06-08-09
SCALE: 1" = 100'	REVISED:

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

ENCANA OIL & GAS (USA) INC

CONSTRUCTION LAYOUT DRAWING CROSS SECTIONS WELL PAD (C31E)



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

ITEM	CUT	FILL	EXCESS	6" TOPSOIL
PAD	29,530	7,470	22,060	Topsoil is not included in Pad Cut
TOTALS	29,530	7,470	22,060	3,020

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

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SHEET
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