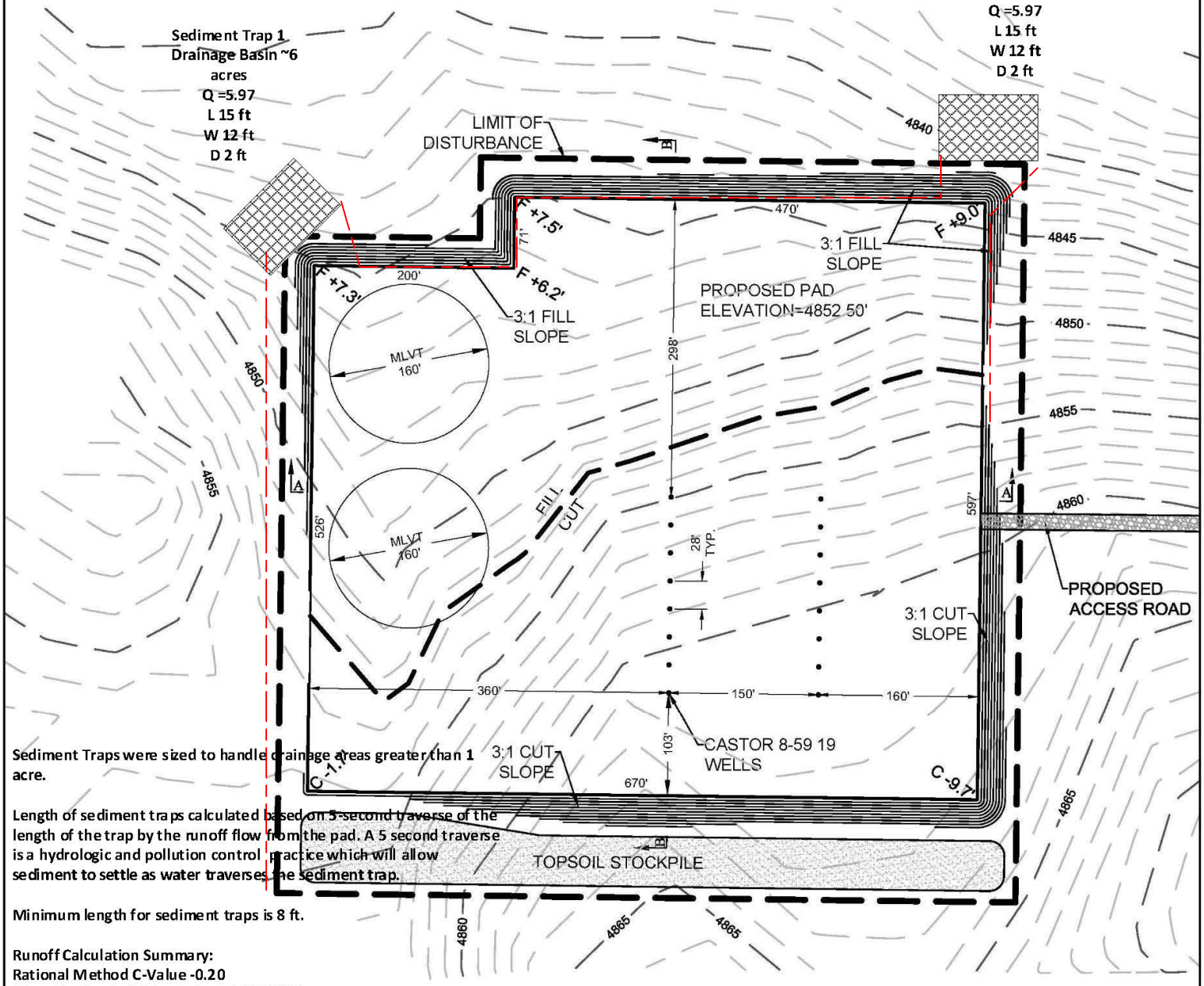
CASTOR 8-59 19 PAD
PAD LAYOUT



Sediment Traps were sized to handle drainage areas greater than 1 acre.

Length of sediment traps calculated based on 5-second traverse of the length of the trap by the runoff flow from the pad. A 5 second traverse is a hydrologic and pollution control practice which will allow sediment to settle as water traverses the sediment trap.

Minimum length for sediment traps is 8 ft.

Runoff Calculation Summary:
Rational Method C-Value -0.20
25-yr, 5-min rainfall intensity = 6.66 IN/HR

Q=C x I x A

Example Q = (0.2)x(6.66)x(0.5)= 0.67 CFS

NOTES:

1. A COMPLETE UTILITIES LOCATION IS RECOMMENDED BEFORE CONSTRUCTION.
2. GEOGRAPHIC POSITIONS/COORDINATES SHOWN HEREON ARE IN NAD83 DATUM.
3. EARTHWORK QUANTITIES ARE APPROXIMATE & FOR INFORMATION ONLY. 6" OF TOPSOIL HAS BEEN SUBTRACTED FROM EXISTING SURFACE PRIOR TO PERFORMING EARTHWORK CALCULATIONS.
4. STOCKPILES ARE ASSUMED TO BE 10' IN HEIGHT WITH 2:1 SIDE SLOPES.

DISCLAIMER:
THIS PLOT DOES NOT REPRESENT A MONUMENTED LAND SURVEY AND SHOULD NOT BE RELIED UPON TO DETERMINE BOUNDARY LINES, PROPERTY OWNERSHIP OR OTHER PROPERTY INTERESTS. PARCEL LINES, IF DEPICTED HAVE NOT BEEN FIELD VERIFIED AND MAY BE BASED UPON PUBLICLY AVAILABLE DATA THAT ALSO HAS NOT BEEN INDEPENDENTLY VERIFIED.

N

0 75 150

SCALE: 1"= 150'

SITE QUANTITIES

FINISHED GRADE ELEVATION	4852.50'
TOTAL CUT FOR WELL PAD	38,989 CY
FILL FOR WELL PAD	35,445 CY
10% FILL FACTOR	3,544 CY
TOTAL FILL	38,989 CY
NET EXCESS MATERIAL	0 CY
TOPSOIL FROM GRADED AREA	8,095 CY
TOTAL DISTURBANCE AREA	12.2 ACRES

PREPARED BY:
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FIELD DATE: 06-20-17	SITE NAME: CASTOR 8-59 19 PAD
DRAWING DATE: 07-20-17	SURFACE LOCATION: NE 1/4 SE 1/4 SEC. 19, T8N, R59W, 6TH P.M. WELD COUNTY, COLORADO
BY: JLG / CHECKED BY: IJM	

PREPARED FOR: BISON OIL & GAS II