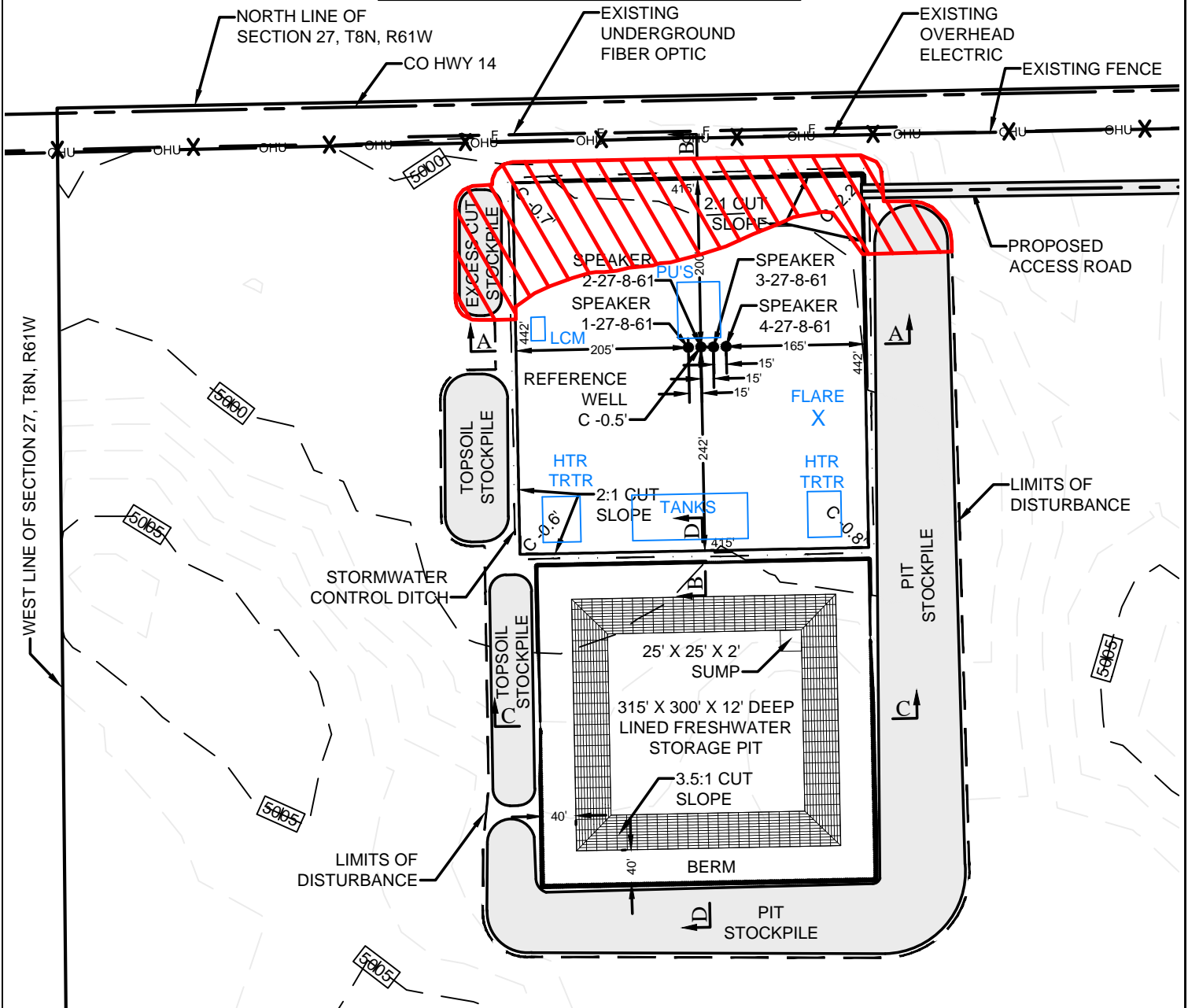


SPEAKER 1-27-8-61
CARRIZO NIOBRARA LLC
PAD LAYOUT

SPEAKER 1-27-8-61 PAD LOC ID # 434772



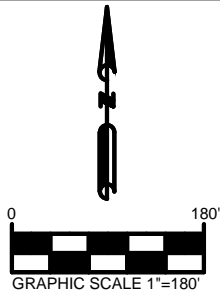
PROPOSED RECLAIMED ACREAGE

TOTAL PROPOSED RECLAIMED 1.5 ACRES
NOT ALL TOP SOIL INSIDE OF RECLAIMED
AREA WILL BE UTILIZED.

NOTES:

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

FIELD DATE: 06-11-13
DRAWING DATE: 07-26-16



SITE QUANTITIES

FINISHED GRADE ELEVATION = 4998.80'
CUT SLOPES = 2:1
FILL SLOPES = 2:1
TOTAL CUT FOR PAD = 1,530 CY
TOTAL FILL FOR PAD (+10% SHRINKAGE) = 193 CY
NET EXCESS MATERIAL = 1,337 CY
PIT STOCKPILE = 31,901 CY
TOPSOIL FROM GRADED AREA = 6,312 CY
TOTAL DISTURBANCE AREA = 12.54 ACRES

PAD NAME:

SPEAKER 1-27-8-61

SURFACE LOCATION:

NW 1/4, NW 1/4, SEC. 27, T8N, R61W, 6TH P.M.
WELD COUNTY, COLORADO

PREPARED FOR:

CARRIZO
NIOBRARA LLC