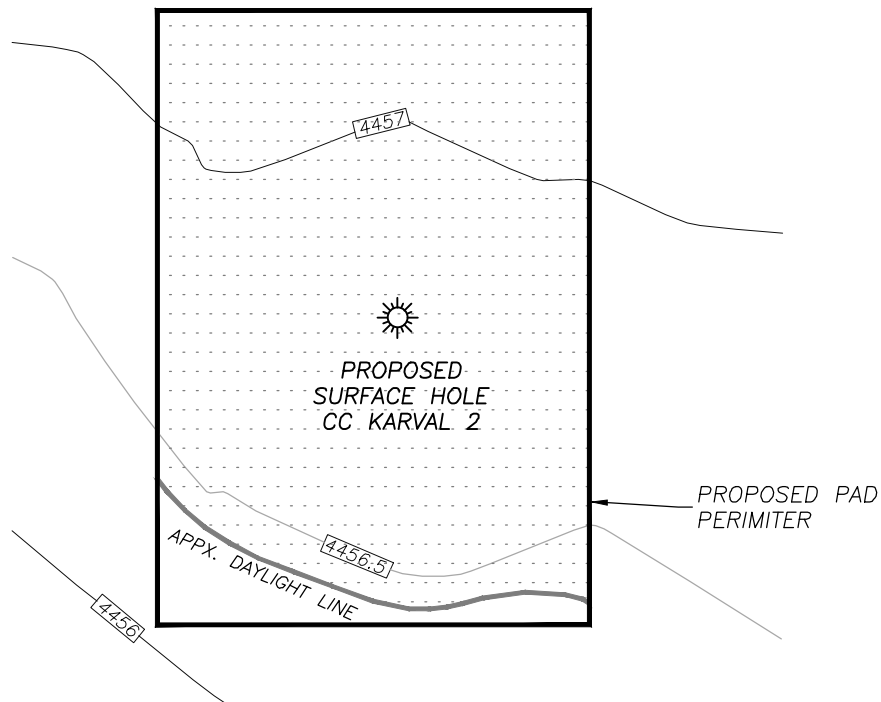
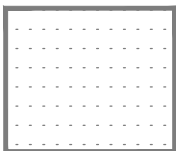


## EXISTING CONTOURS CC KARVAL 2

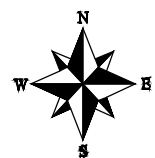
SECTION 12, TOWNSHIP 18 SOUTH, RANGE 54 WEST OF THE 6TH PRINCIPAL MERIDIAN



CONTOUR INTERVAL = 0.5'



AREA OF  
PROPOSED CUT

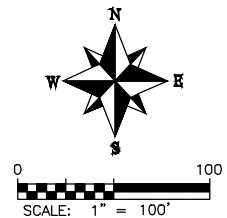
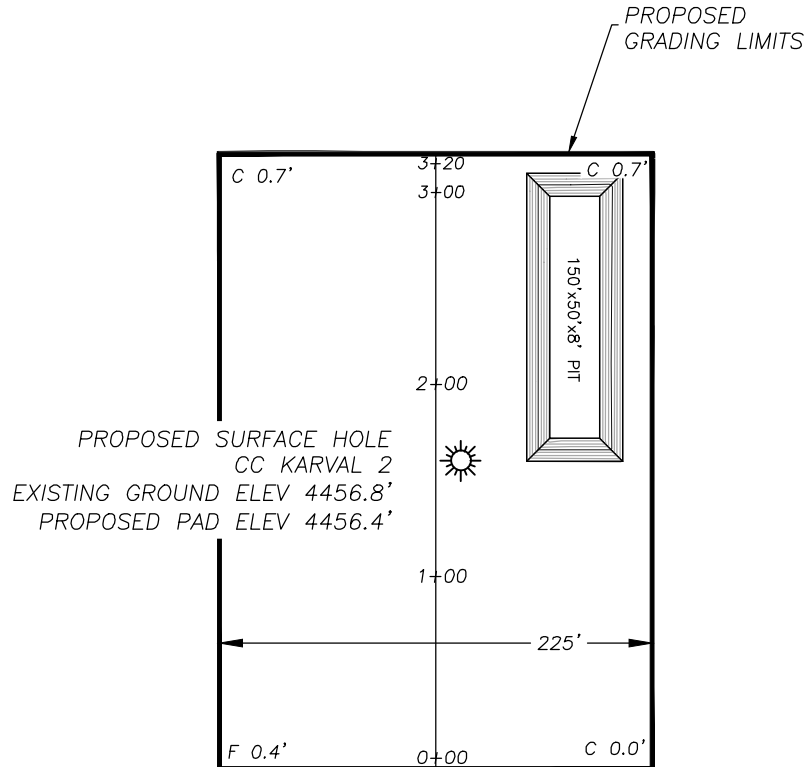


0 100  
SCALE: 1" = 100'

## PROPOSED PAD CONTOURS

### CC KARVAL 2

SECTION 12, TOWNSHIP 18 SOUTH, RANGE 54 WEST OF THE 6TH PRINCIPAL MERIDIAN



CONTOUR INTERVAL = 1.0'

CC KARVAL 2

Top of pad elevation: 4456.4'  
 Cut slope ratio: 2.0  
 Fill slope ratio: 2.0  
 Cut Swell Factor: 1.00  
 Fill Shrink Factor: 1.00

Pad Earthwork Volumes

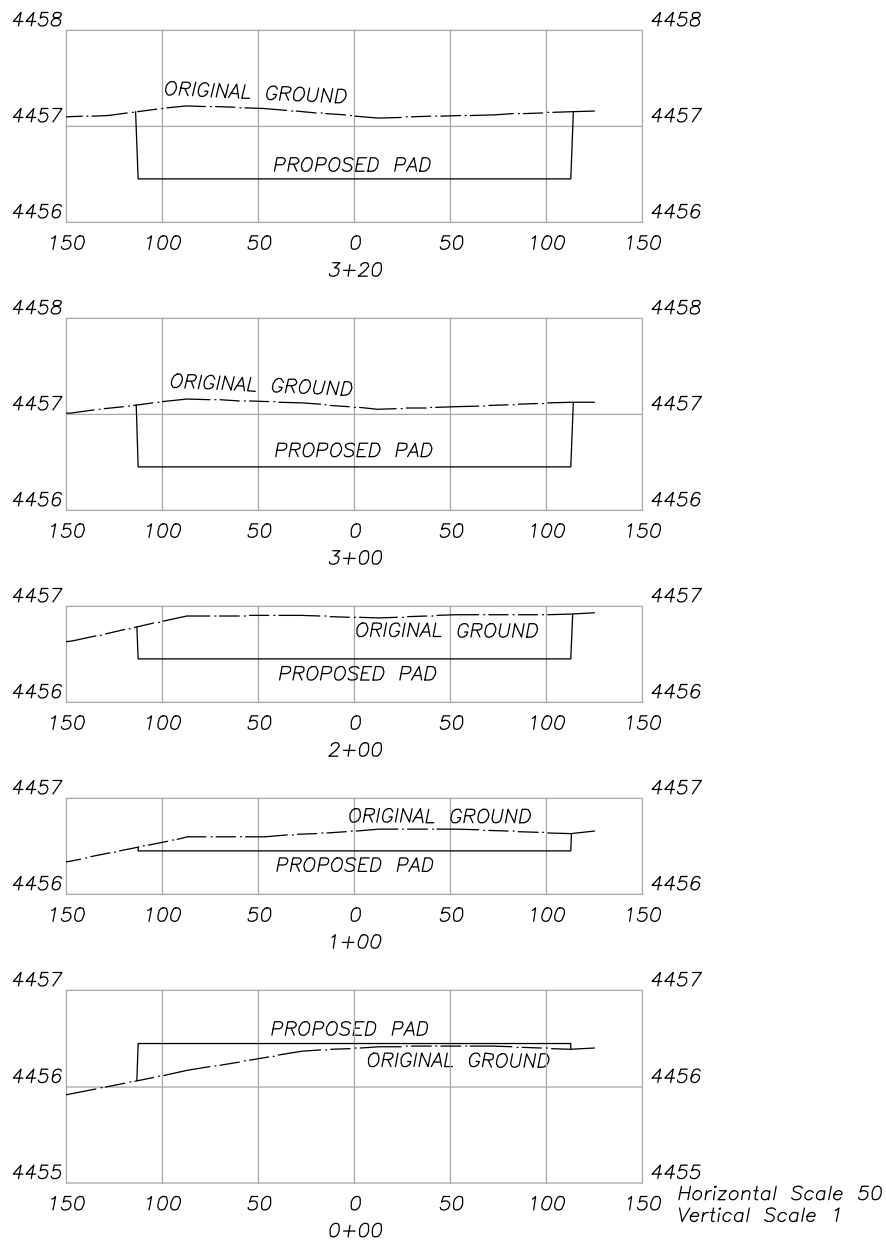
Total cut: 902 C.Y.  
 Total fill: 22 C.Y.  
 Balance Export: 880 C.Y. (4" Topsoil)  
 Area: 1.7 Acres

Estimated Pit Volume

Assumed side slopes of 1.5:1  
 150'X50'X8'  
 Volume: 1571 C.Y. including  
 Topsoil

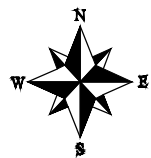
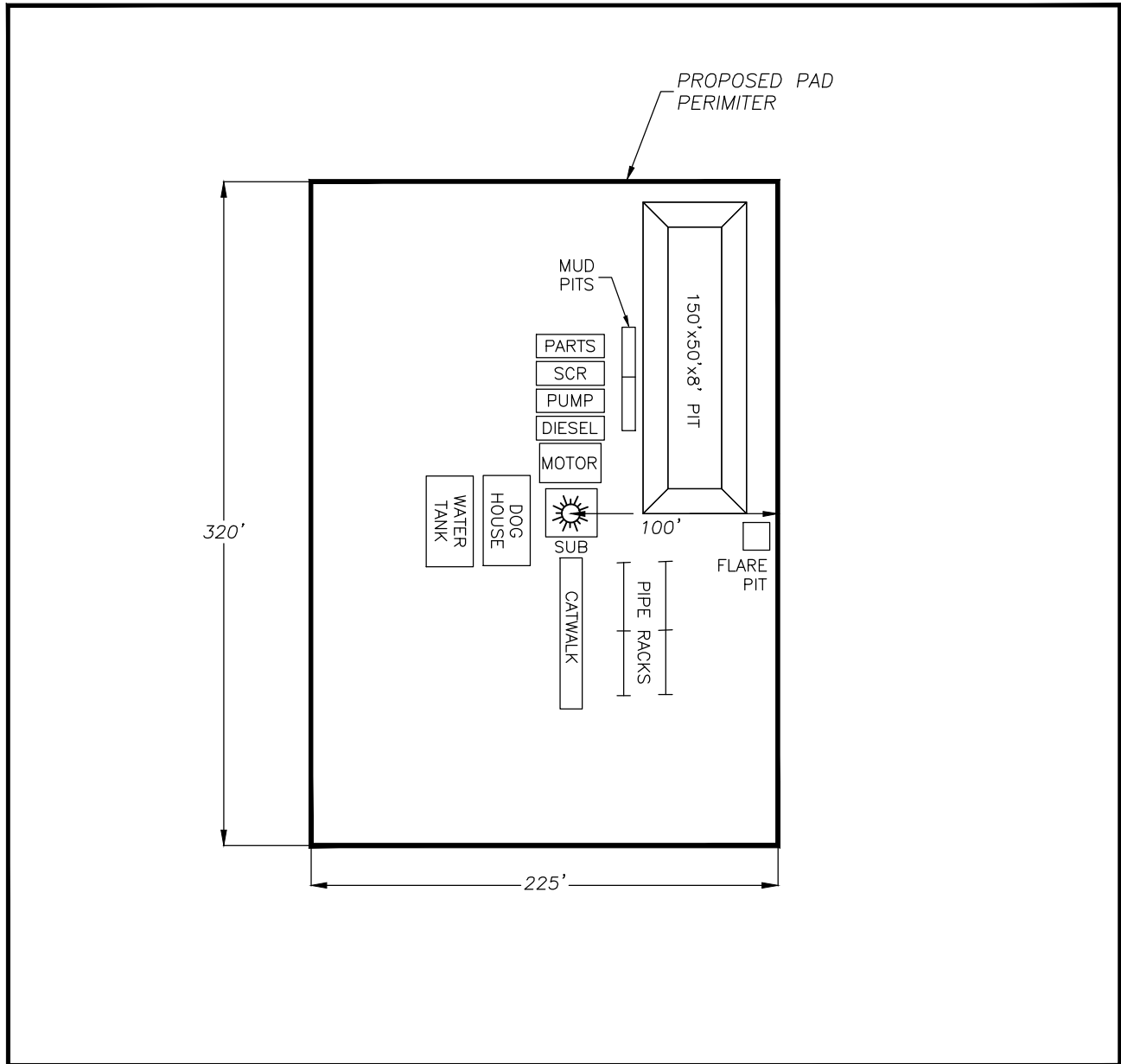
## PROPOSED PAD CROSS SECTIONS CC KARVAL 2

SECTION 12, TOWNSHIP 18 SOUTH, RANGE 54 WEST OF THE 6TH PRINCIPAL MERIDIAN



## PROPOSED RIG LAYOUT CC KARVAL 2

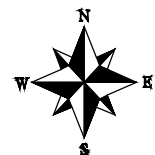
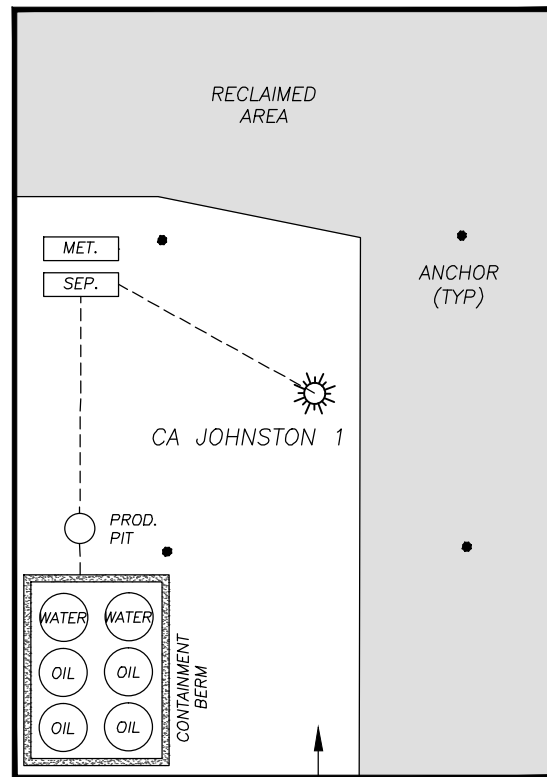
SECTION 12, TOWNSHIP 18 SOUTH, RANGE 54 WEST OF THE 6TH PRINCIPAL MERIDIAN



0 80  
SCALE: 1" = 80'

# PROPOSED PRODUCTION FACILITY CC KARVAL 2

SECTION 12, TOWNSHIP 18 SOUTH, RANGE 54 WEST OF THE 6TH PRINCIPAL MERIDIAN



0 80  
SCALE: 1" = 80'