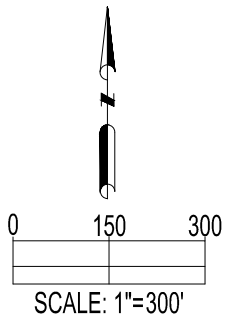
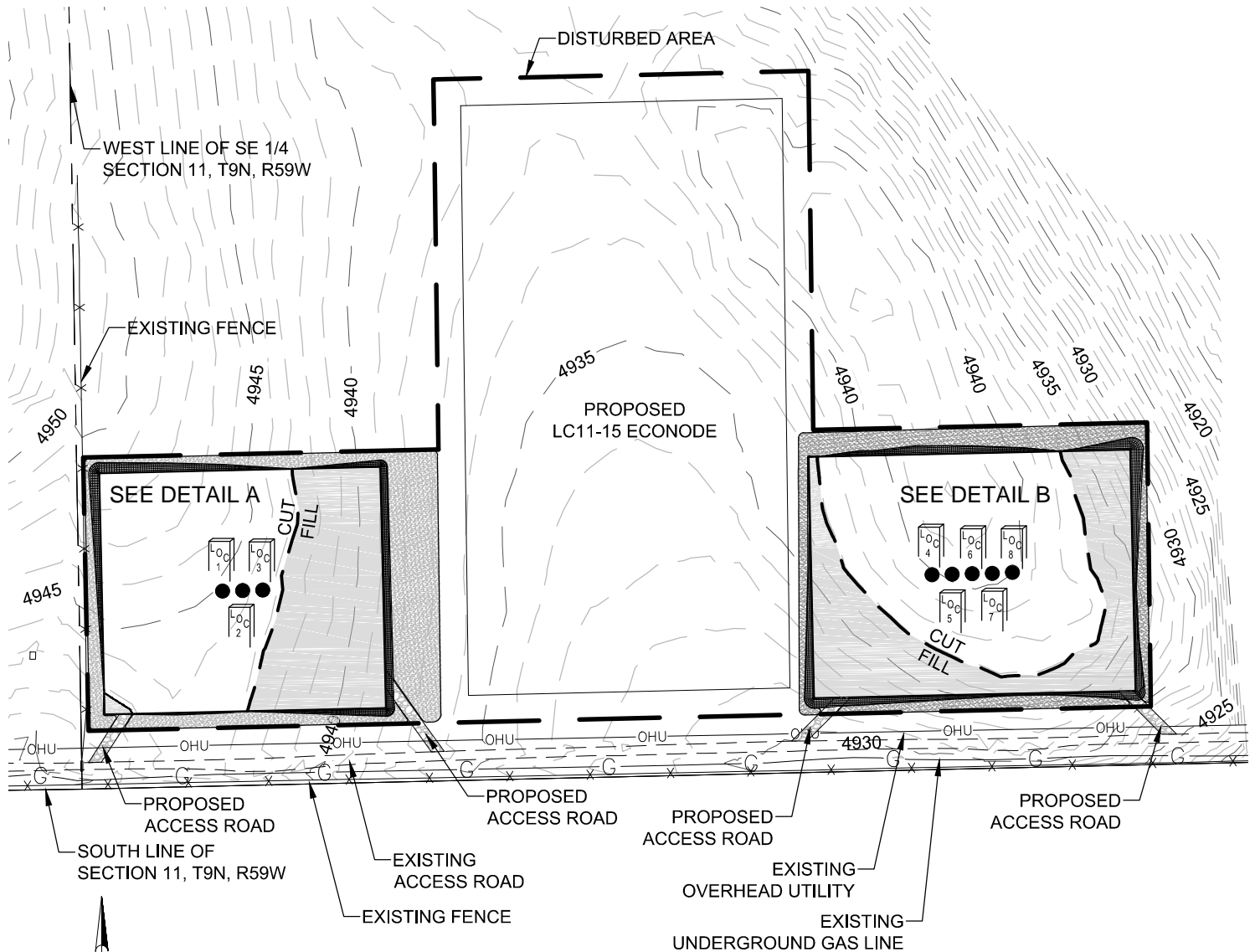


CONSTRUCTION LAYOUT FOR LC11-16 PAD

FIGURE #1



WELL PAD LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING WELLHEAD
- PROPOSED WELLHEAD

- EOG 1 EARP FEDERAL LC23-745
- EOG 2 EARP FEDERAL LC23-740
- EOG 3 EARP FEDERAL LC23-735
- EOG 4 JOHNNY FEDERAL LC11-725
- EOG 5 JOHNNY FEDERAL LC11-720
- EOG 6 JOHNNY FEDERAL LC11-715
- EOG 7 RINGO FEDERAL LC23-725
- EOG 8 RINGO FEDERAL LC23-720

QUANTITIES

CUT SLOPES=3:1
 FILL SLOPES=3:1
 TOTAL CUT FOR WELL PAD = 21,054 CY
 TOTAL FILL FOR WELL PAD = 21,054 CY
 TOPSOIL @ 6" DEPTH = 10,083 CY
 EXCESS MATERIAL = 0 CY CUT
 TOTAL WELL PAD AREA = 11.6 ACRES
 TOTAL DISTURBANCE AREA = 34.6 ACRES

PREPARED BY:



FIELD DATE:

08-07-15

DRAWING DATE:

09-24-15

BY:
TJN

CHECKED:
KAD

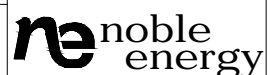
PAD NAME:

LC11-16 PAD

SURFACE LOCATION:

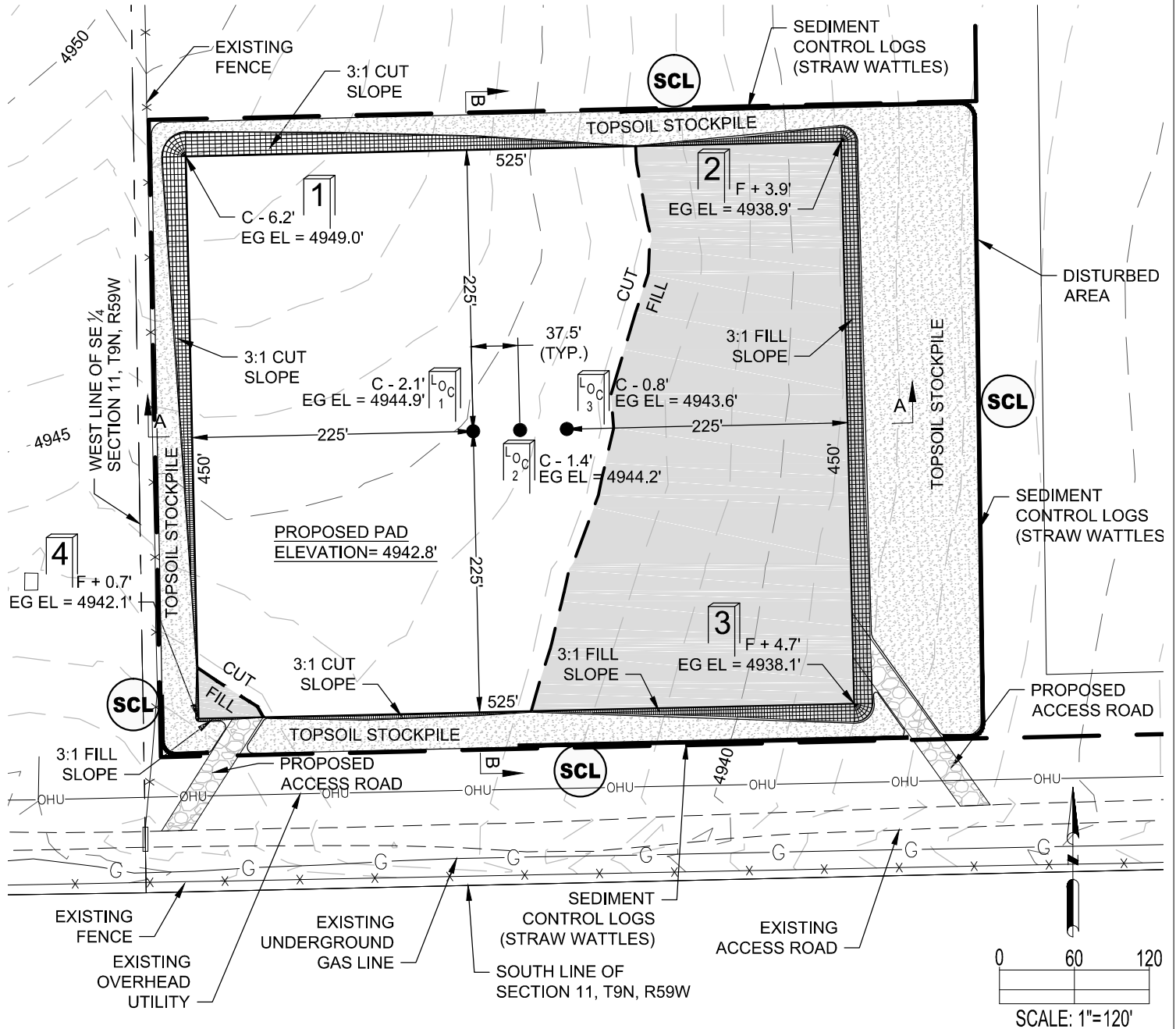
SE 1/4 SEC. 11, T9N, R59W, 6TH P.M.
WELD COUNTY, COLORADO

PREPARED FOR:



CONSTRUCTION LAYOUT FOR LC11-16 PAD DETAIL A

FIGURE #1



WELL PAD LEGEND

	EXISTING CONTOUR		EARP FEDERAL LC23-745
	PROPOSED CONTOUR		EARP FEDERAL LC23-740
	EXISTING WELLHEAD		EARP FEDERAL LC23-735
	PROPOSED WELLHEAD		

DETAIL A - QUANTITIES

EXISTING GRADE @ SURFACE HOLE LOCATION= 4944.9
FINISHED GRADE ELEVATION= 4942.8
CUT SLOPES=3:1
FILL SLOPES=3:1
TOTAL CUT FOR WELL PAD = 10,124 CY
TOTAL FILL FOR WELL PAD = 10,124 CY
TOPSOIL @ 6" DEPTH = 4,705 CY
EXCESS MATERIAL = 0 CY CUT
TOTAL WELL PAD AREA = 5.4 ACRES

PREPARED BY:



FIELD DATE:

08-07-15

DRAWING DATE:

09-04-15

BY:

KAD

CHECKED:

WDW

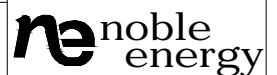
PAD NAME:

LC11-16 PAD

SURFACE LOCATION:

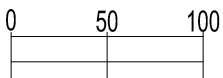
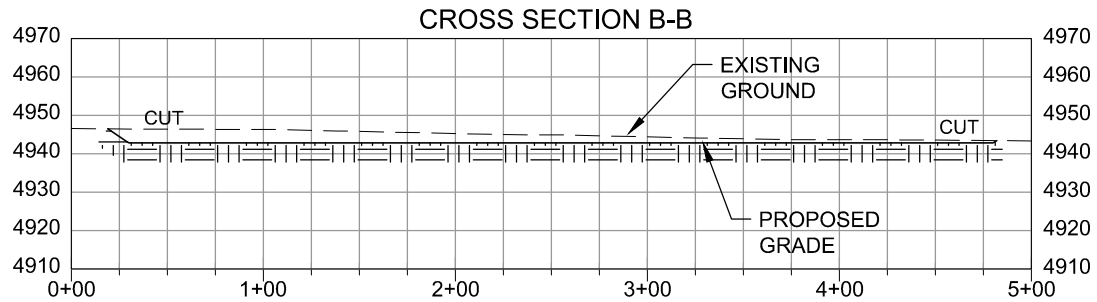
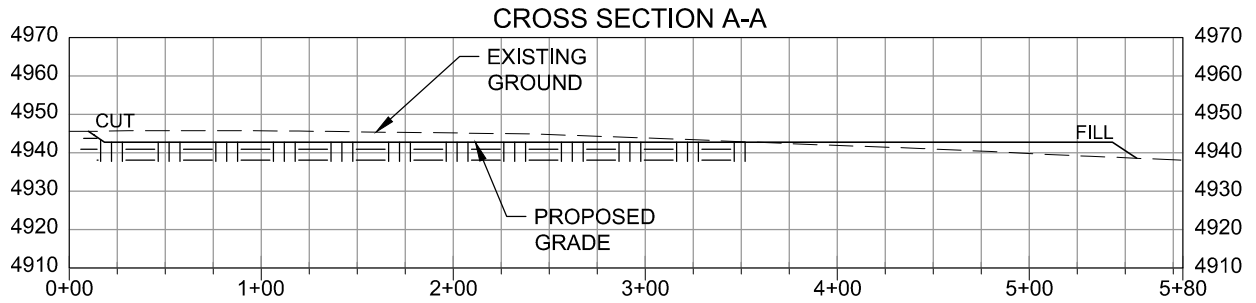
SE 1/4 SEC. 11, T9N, R59W, 6TH P.M.
WELD COUNTY, COLORADO

PREPARED FOR:



CONSTRUCTION LAYOUT CROSS SECTIONS FOR LC11-16 PAD DETAIL A

FIGURE #2



SCALE: 1"=100'
VERTICAL SCALE: 1"=50'

PREPARED BY:



FIELD DATE:

08-07-15

DRAWING DATE:

09-04-15

BY:

KAD

CHECKED:

WDW

PAD NAME:

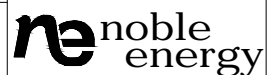
LC11-16 PAD

SURFACE LOCATION:

SE 1/4 SEC. 11, T9N, R59W, 6TH P.M.

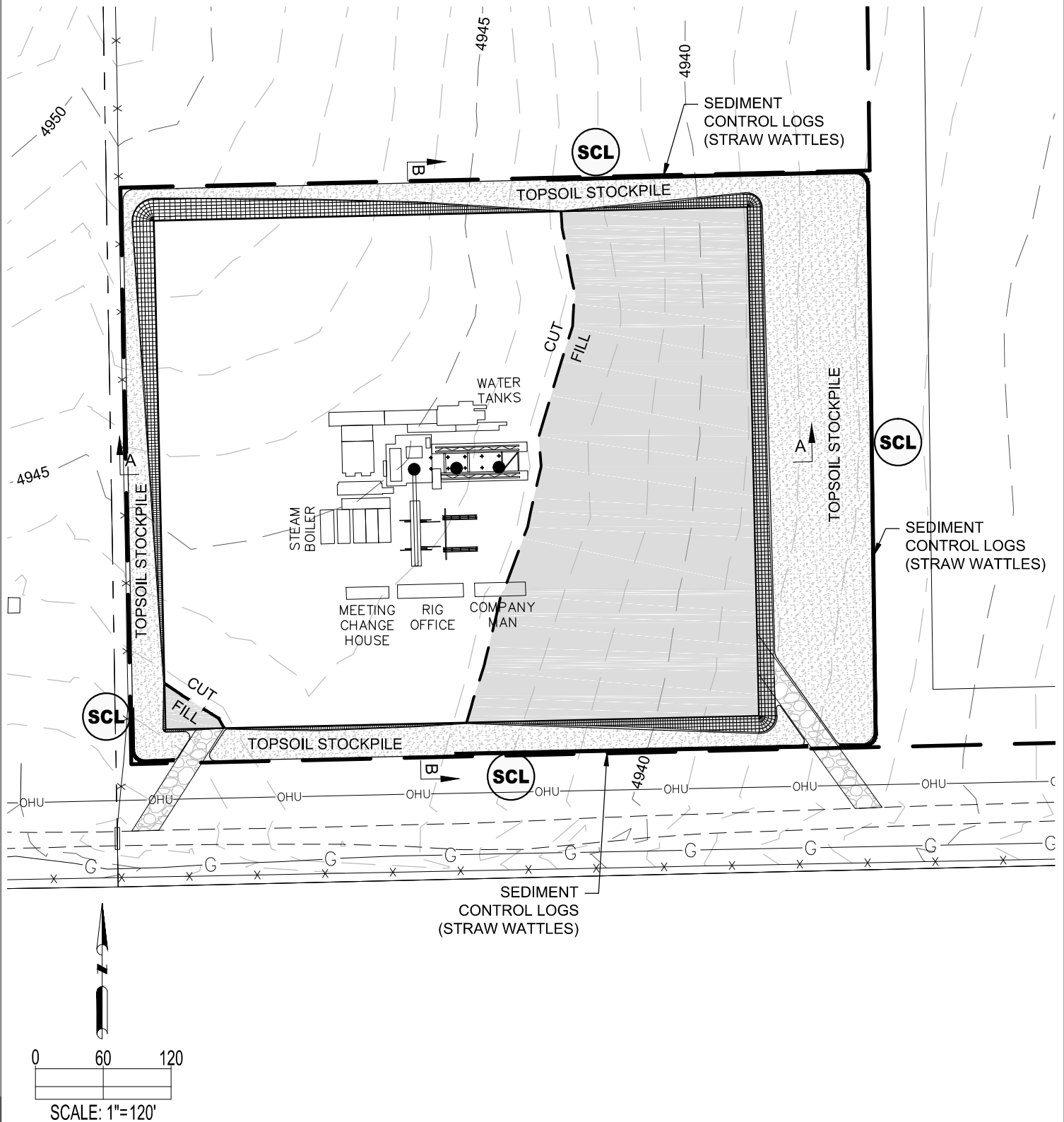
WELD COUNTY, COLORADO

PREPARED FOR:



TYPICAL RIG LAYOUT FOR
LC11-16 PAD
DETAIL A

FIGURE #3



PREPARED BY:



FIELD DATE:
08-07-15

DRAWING DATE:
09-04-15

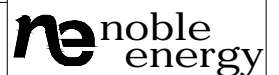
BY:
KAD

CHECKED:
WDW

PAD NAME:
LC11-16 PAD

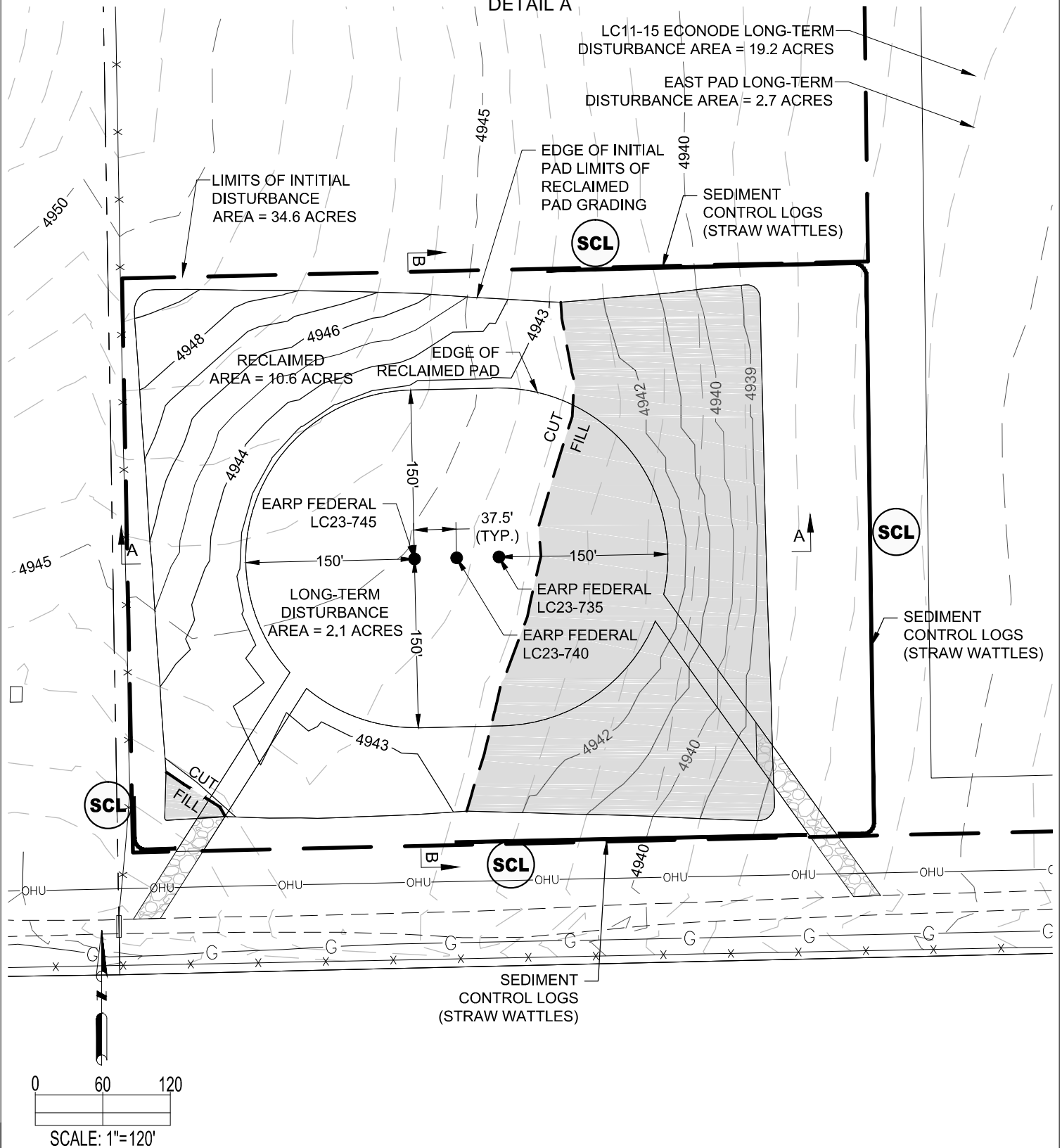
SURFACE LOCATION:
SE 1/4 SEC. 11, T9N, R59W, 6TH P.M.
WELD COUNTY, COLORADO

PREPARED FOR:



RECLAMATION DIAGRAM FOR LC11-16 PAD DETAIL A

FIGURE #4



PREPARED BY:



FIELD DATE:
08-07-15

DRAWING DATE:
09-04-15

BY:
KAD

CHECKED:
WDW

PAD NAME:
LC11-16 PAD

SURFACE LOCATION:
SE 1/4 SEC. 11, T9N, R59W, 6TH P.M.
WELD COUNTY, COLORADO

PREPARED FOR:

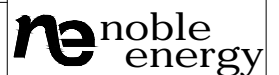


FIGURE #1



EXISTING GRADE @ SURFACE HOLE LOCATION= 4939.8
FINISHED GRADE ELEVATION= 4936.9
CUT SLOPES=3:1
FILL SLOPES=3:1
TOTAL CUT FOR WELL PAD = 10,930 CY
TOTAL FILL FOR WELL PAD = 10,930 CY
TOPSOIL @ 6" DEPTH = 5,378 CY
EXCESS MATERIAL = 0 CY CUT
TOTAL WELL PAD AREA = 6.2 ACRES


PREPARED BY:

PFS  LLC

Petroleum Field Services, LLC
7535 Hilltop Circle
Denver, CO 80221

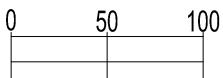
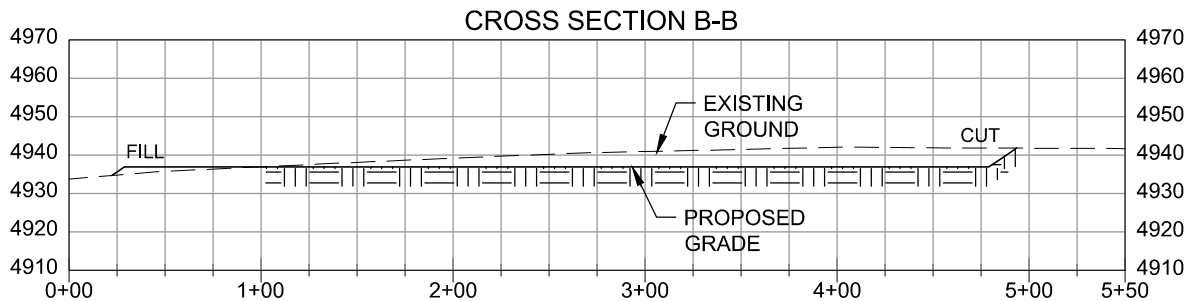
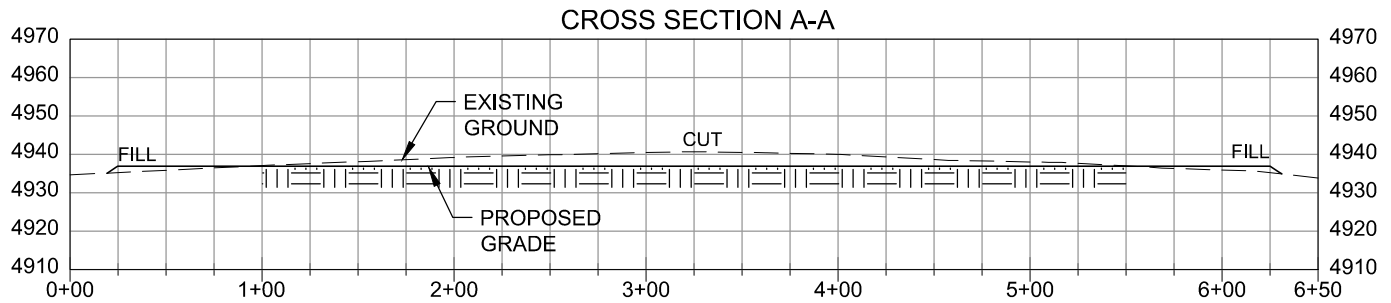
SE 1/4 SEC. 11, T9N, R59W, 6TH P.M.
WELD COUNTY, COLORADO

PREPARED FOR:



CONSTRUCTION LAYOUT CROSS SECTIONS FOR LC11-16 PAD DETAIL B

FIGURE #2



SCALE: 1"=100'
VERTICAL SCALE: 1"=50'

PREPARED BY:



FIELD DATE:

08-07-15

DRAWING DATE:

09-04-15

BY:

KAD

CHECKED:

WDW

PAD NAME:

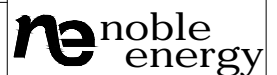
LC11-16 PAD

SURFACE LOCATION:

SE 1/4 SEC. 11, T9N, R59W, 6TH P.M.

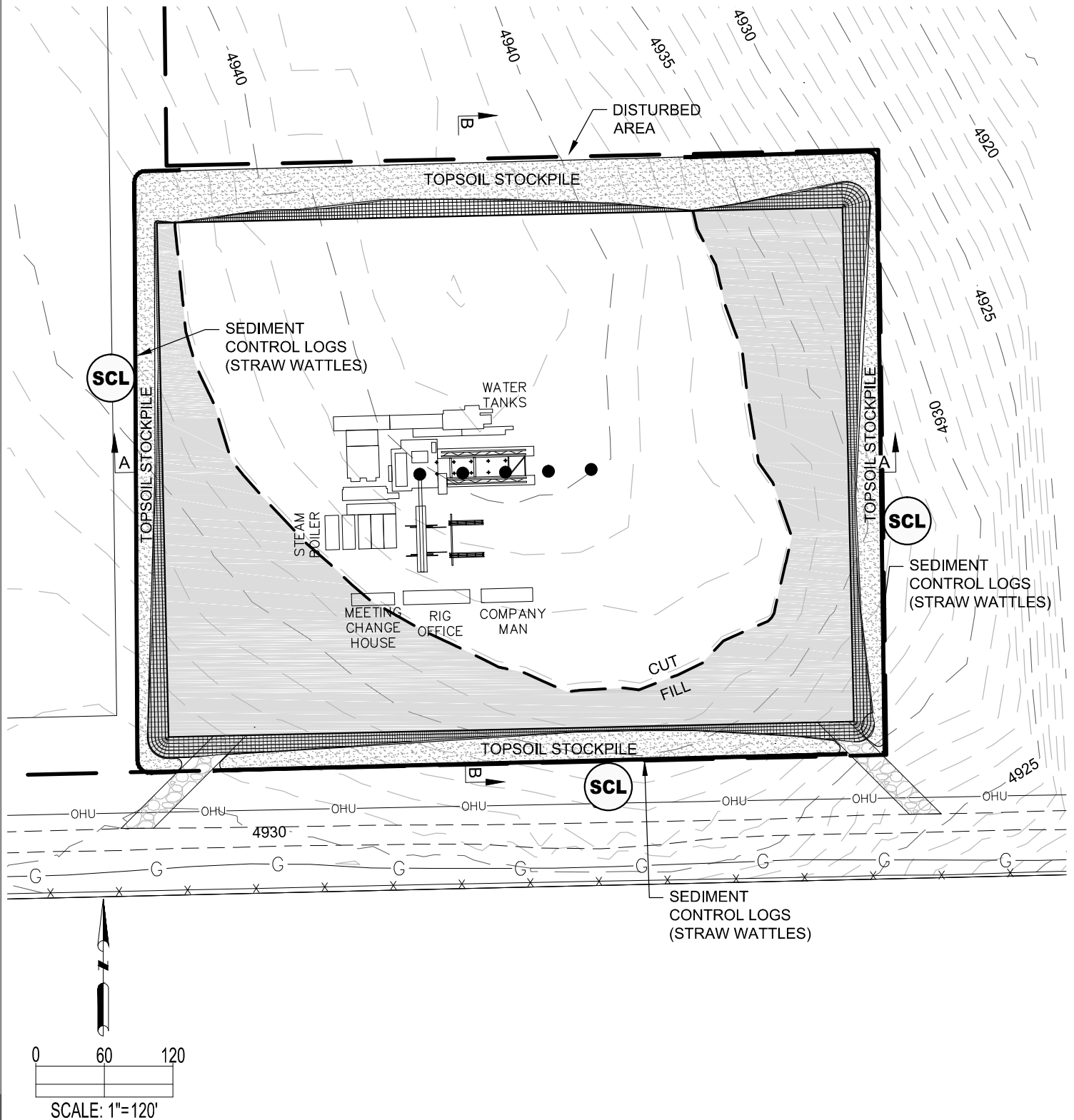
WELD COUNTY, COLORADO

PREPARED FOR:



TYPICAL RIG LAYOUT FOR
LC11-16 PAD
DETAIL B

FIGURE #3



PREPARED BY:



FIELD DATE:
08-07-15

DRAWING DATE:
09-04-15

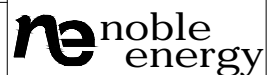
BY:
KAD

CHECKED:
WDW

PAD NAME:
LC11-16 PAD

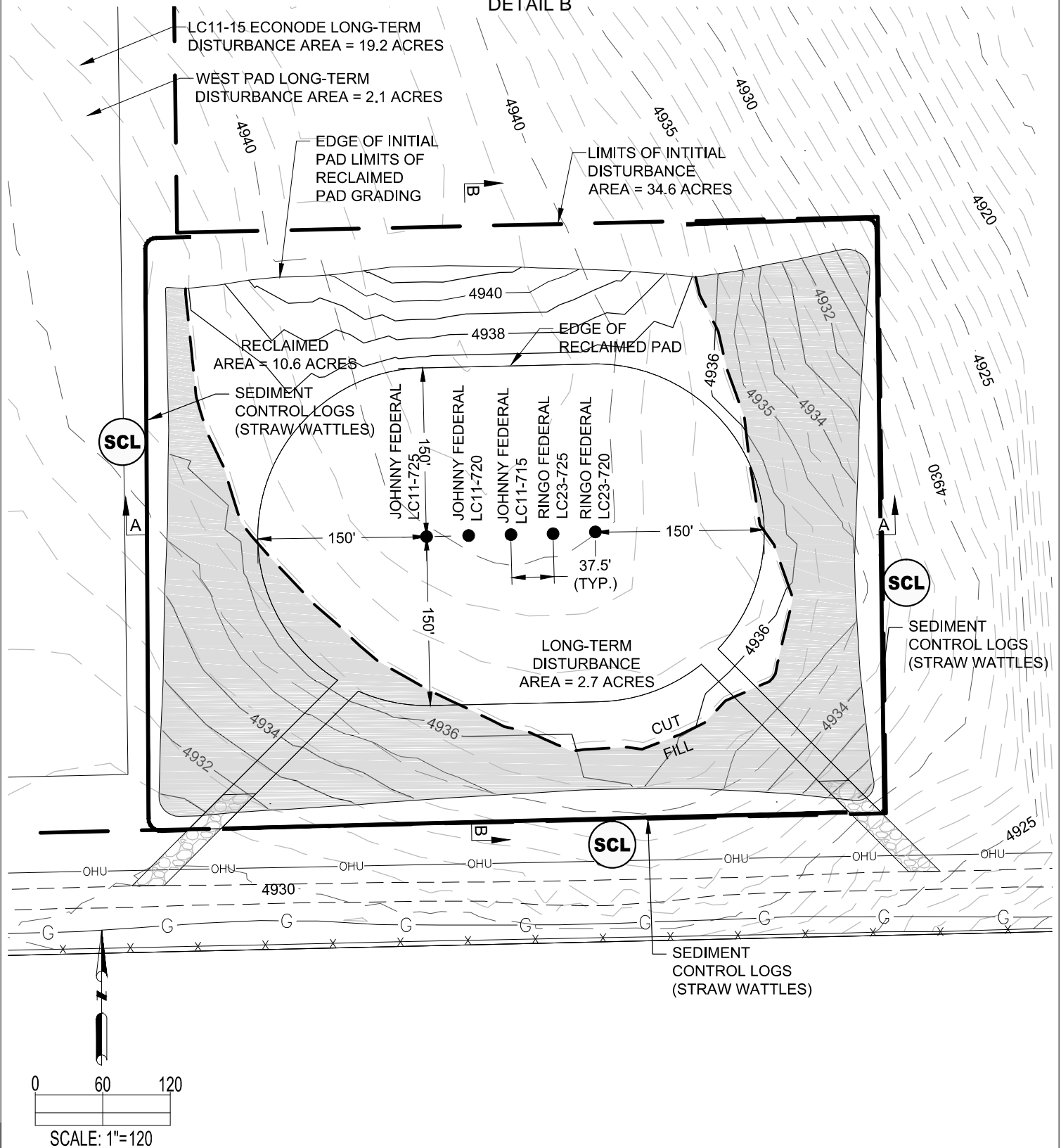
SURFACE LOCATION:
SE 1/4 SEC. 11, T9N, R59W, 6TH P.M.
WELD COUNTY, COLORADO

PREPARED FOR:



RECLAMATION DIAGRAM FOR LC11-16 PAD DETAIL B

FIGURE #4



PREPARED BY:



FIELD DATE:
08-07-15

DRAWING DATE:
09-24-15

BY:
TJN

CHECKED:
KAD

PAD NAME:
LC11-16 PAD

SURFACE LOCATION:
SE 1/4 SEC. 11, T9N, R59W, 6TH P.M.
WELD COUNTY, COLORADO

PREPARED FOR:

