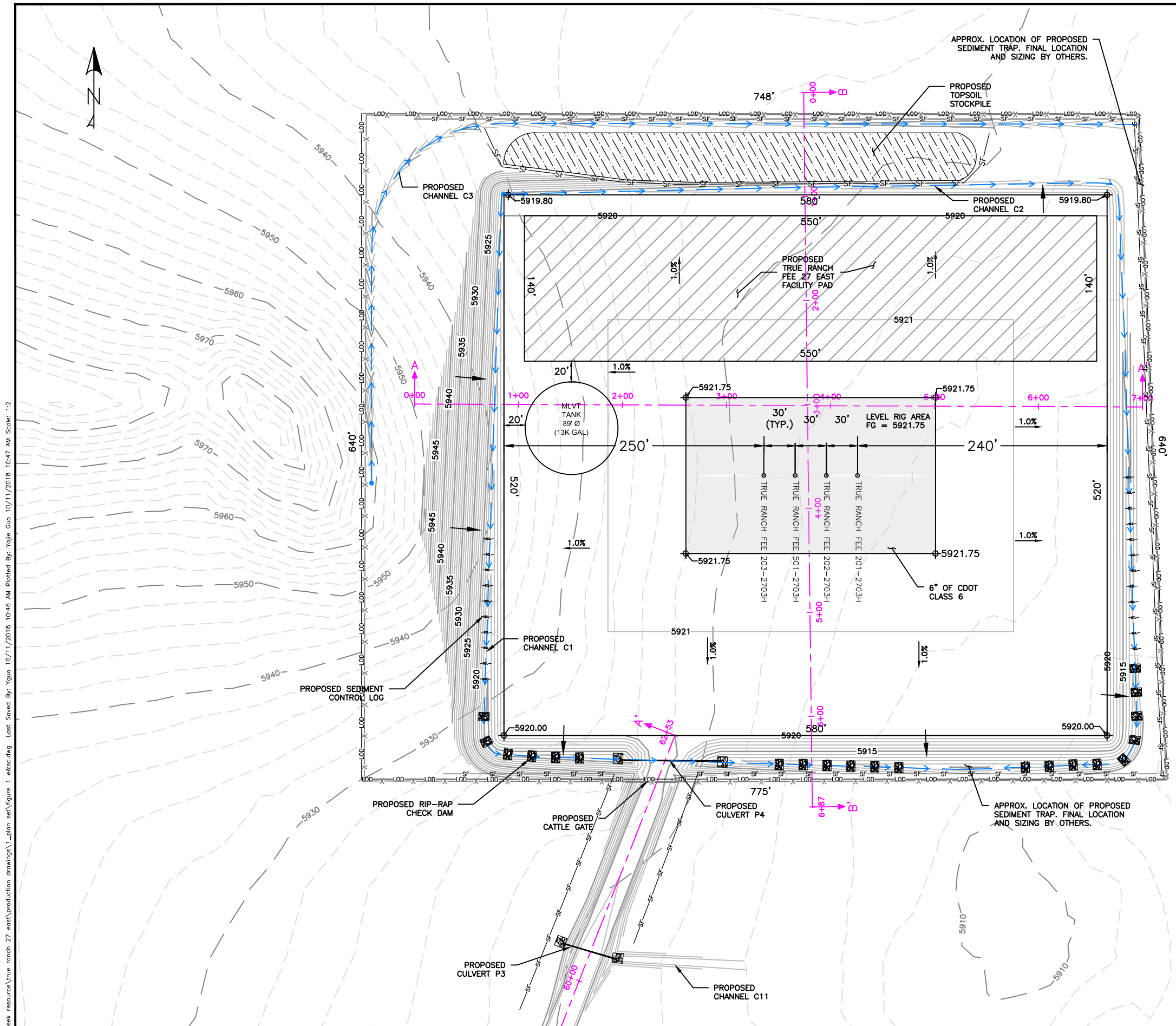


Y:\00civil\clear creek resource\true ranch 27 east\production drawings\1\_plan set\figure 1 edsc.dwg Last Saved By: Yguo 10/11/2018 10:46 AM Plotted By: Yajie Guo 10/11/2018 0:47 AM Scale: 1:2



LEGEND

- EXISTING GROUND SURFACE CONTOURS
- PROPOSED GROUND SURFACE CONTOURS
- EXISTING OVERHEAD ELECTRIC LINE
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED LEVEL RIG AREA
- PROPOSED PRODUCTION PAD
- PROPOSED STOCKPILE
- PROPOSED FENCE
- PROPOSED SPOT ELEVATION
- PROPOSED SLOPE
- PROPOSED CULVERT
- PROPOSED DRAINAGE SWALES
- PROPOSED DRAINAGE REACH
- PROPOSED SILT FENCE
- PROPOSED SEDIMENT CONTROL LOG
- PROPOSED RIP-RAP CHECK DAM

PROPOSED PAD DETAILS

PROPOSED LEVEL DRILL RIG AREA ELEV.: 5921.75'

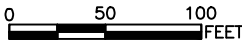
CUT SLOPE: 2H:1V  
FILL SLOPE: 3H:1V

WELL PAD: 6.9 AC  
DISTURBED AREA: 11.2 AC

	CUT (CY)	FILL (CY)	NET (CY)
ACCESS ROAD	9,682	8,091	1,591 (CUT)
PROPOSED PAD	37,173	37,236	63 (FILL)
DIVERSION CHANNELS	38	0	38 (CUT)
TOTAL	46,893	45,327	1,566(CUT)

NOTE: NO COMPACTION FACTOR WAS USED IN ENGINEER ESTIMATE OF EARTHWORK. EARTHWORK ANALYSIS BASED ON PROPOSED FINISHED GRADE AND EXISTING TOPOGRAPHY AS PROVIDED BY DALEY LAND SURVEYING AND 609 CONSULTING, LLC.

	CDOT CLASS 6 (CY)
ACCESS ROAD	2,780
PROPOSED PAD	670
TOTAL	3,450



CLEAR CREEK RESOURCE PARTNERS, INC.  
717 17th STREET, SUITE 1525  
DENVER, CO 80202

DRWN: MRK  
CHKD: BD  
APPD:  
SCALE: AS SHOWN

DATE: 09/21/18  
DATE: 09/27/18  
DATE:



TRUE RANCH FEE 27 EAST WELL AND PRODUCTION PAD  
SECTION 27, T12N, R65W, 6TH, P.M.  
WELD COUNTY, COLORADO

E&SC PLAN

PROJECT NO: 18-004  
FIGURE 1

PLAN PREPARER:  
BRIAN DUMMER, PROFESSIONAL ENGINEER  
CO LICENSE NUMBER: PE 37206

ISSUE DATE:

KEY ENVIRONMENTAL, INC.  
200 THIRD AVENUE  
CARNEGIE, PA 15106

SIGNATURE

DATE

REFERENCE:

REV #	DATE	DESCRIPTION	APPD
09/27/18	ISSUED FOR BID ONLY.		BD