

REV: 4 01-16-18 E.C. (RIGHT-OF-WAY CHANGE)

NOTE: Earthwork calculations require a fill @ some location stakes for balance. All fill is to be compacted to a minimum of 95% of the maximum dry density obtained by AASHTO method t-99.

FINISHED SUB-GRADE ELEVATION = 5200.5'

- NOTES:**
- Flare stack is to be located a min. of 100' from the wellhead.
  - Round corners at 35' radius or as needed.
  - Construct diversion ditches as needed.
  - Contours shown at 2' intervals.
  - Cut/Fill slopes 2:1 (Typ. except where noted).

**ENERPLUS RESOURCES (USA) CORPORATION**

**ALBERTA CITIES PAD EAST**  
 SE 1/4 SE 1/4, SECTION 20, T8N, R67W, 6th P.M.  
 WELD COUNTY, COLORADO

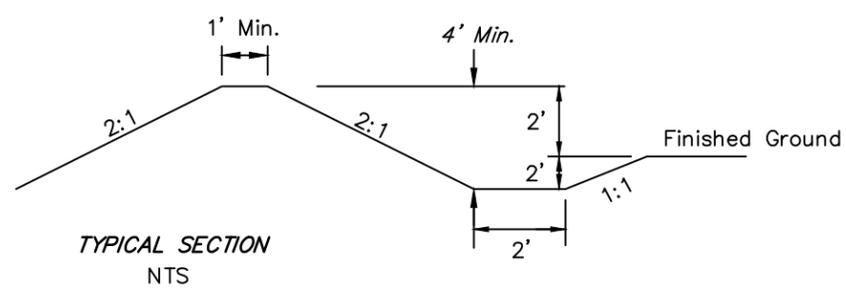
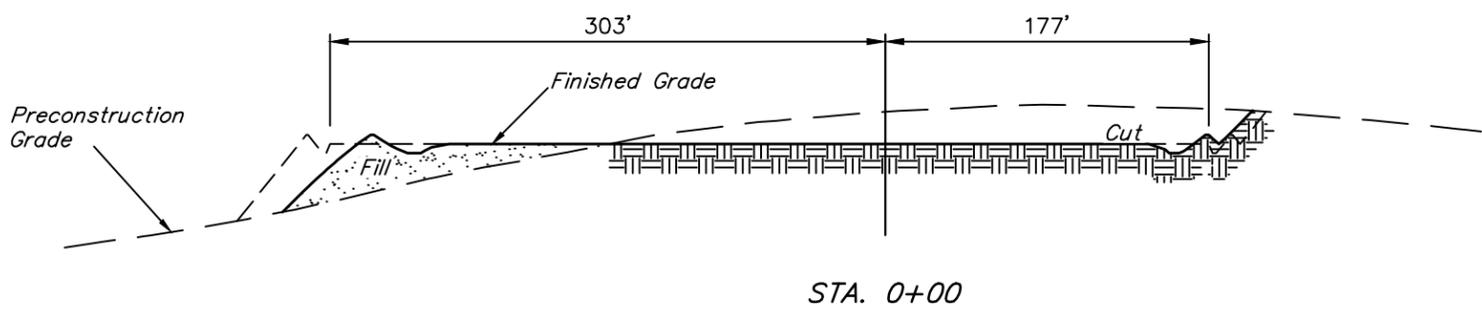
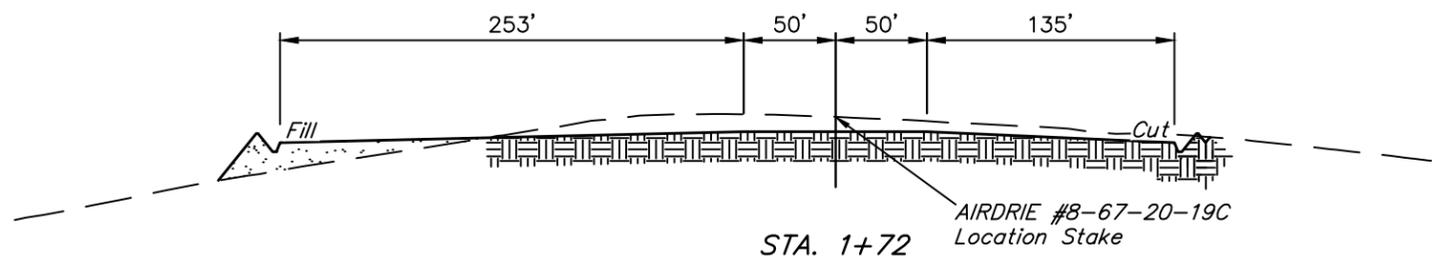
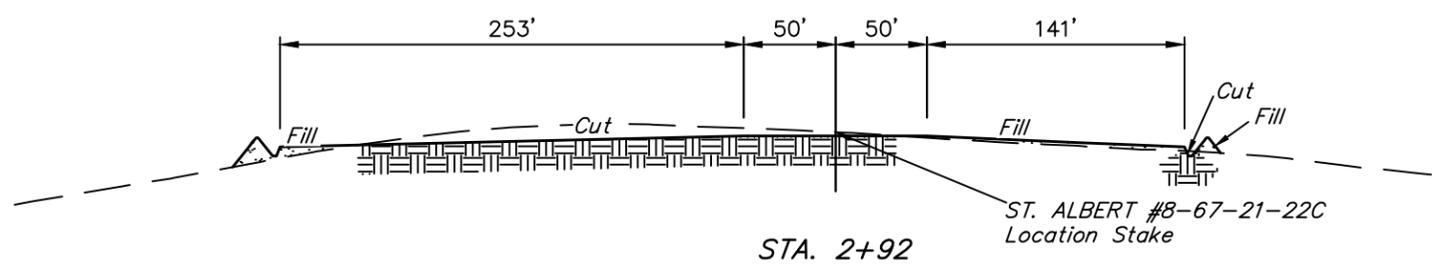
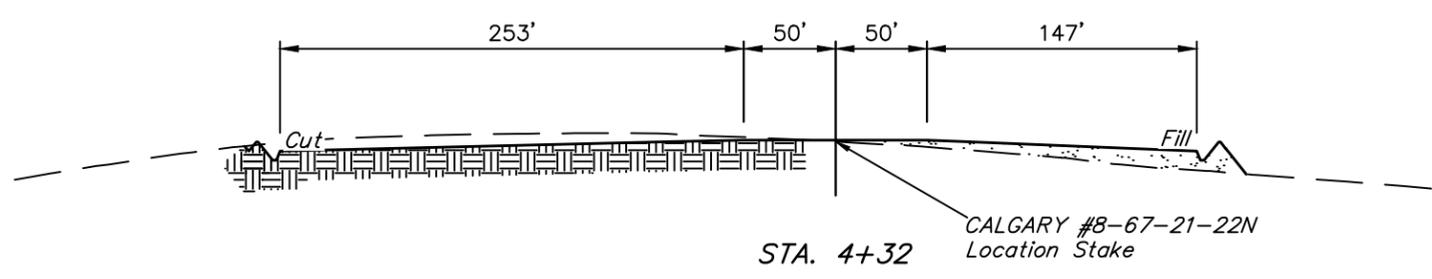
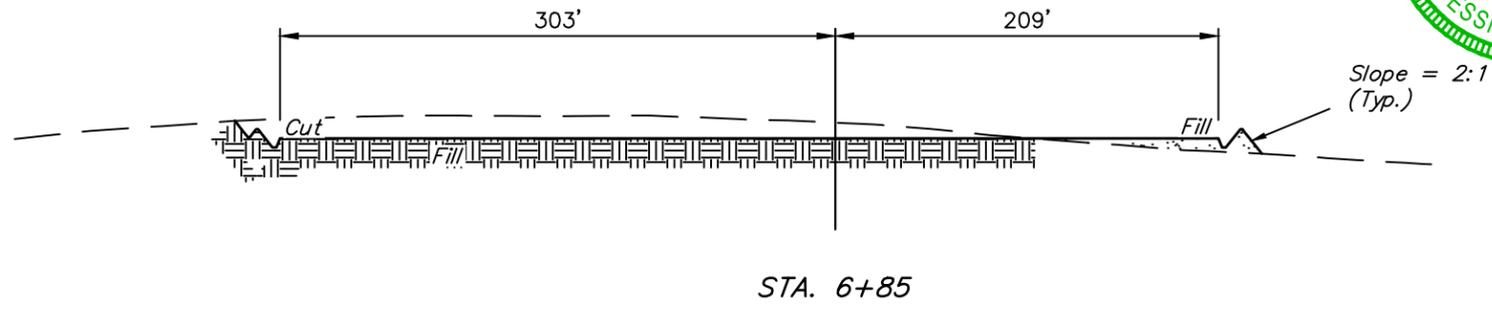
SURVEYED BY	G. WEIMER, J.F.	09-18-17	SCALE
DRAWN BY	E.C.	10-03-17	1" = 80'

**CONSTRUCTION LAYOUT FIGURE #1**



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1" = 40'  
X-Section Scale  
1" = 100'



APPROXIMATE EARTHWORK QUANTITIES	
(6") TOPSOIL STRIPPING	7,460 Cu. Yds.
REMAINING LOCATION	20,730 Cu. Yds.
<b>TOTAL CUT</b>	<b>28,190 Cu. Yds.</b>
<b>FILL</b>	<b>20,730 Cu. Yds.</b>
EXCESS MATERIAL	7,460 Cu. Yds.
TOPSOIL	7,460 Cu. Yds.
<b>EXCESS UNBALANCE</b> (After Interim Rehabilitation)	<b>0 Cu. Yds.</b>

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WELL SITE DISTURBANCE	NA	±10.017
<b>TOTAL SURFACE USE AREA</b>		<b>±10.017</b>

REV: 3 01-09-18 E.C. (CERTIFIED STAMP)

- NOTES:**
- Fill quantity includes 5% for compaction.
  - Calculations based on 6" of topsoil stripping.
  - Cut/Fill slopes 2:1 (Typ. except where noted).

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ALBERTA CITIES PAD EAST  
SE 1/4 SE 1/4, SECTION 20, T8N, R67W, 6th P.M.  
WELD COUNTY, COLORADO

SURVEYED BY	G. WEIMER, J.F.	09-18-17	SCALE
DRAWN BY	E.C.	10-03-17	AS SHOWN
<b>CONSTRUCTION LAYOUT CROSS SECTIONS</b>			<b>FIGURE #2</b>



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<b>FILL</b>	<b>20,730 Cu. Yds.</b>
EXCESS MATERIAL	7,460 Cu. Yds.
TOPSOIL	7,460 Cu. Yds.
<b>EXCESS UNBALANCE</b> (After Interim Rehabilitation)	<b>0 Cu. Yds.</b>

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WELL SITE AREA OF LOSS	NA	±10.017
<b>TOTAL SURFACE USE AREA</b>		<b>±10.017</b>

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
DISTURBED AREA OF PAD	NA	±9.244

APPROXIMATE AREA OF RE-SEED	
	ACRES
AREA OF RE-SEED	±1.458

FINISHED SUB-GRADE ELEVATION = **5200.5'**

FENCE TOTAL = **±2,581.6'**

WATTLE TOTAL = **±1,324.0'**

**NOTES:**

- Fill quantity includes 30% for compaction.
- Calculations based on 6" of topsoil stripping.
- Topsoil should not be stripped below finished grade on substructure area.
- Cut/Fill slopes 2:1 (typ. except where noted).

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WELD COUNTY, COLORADO**

SURVEYED BY	G. WEIMER, J.F.	09-18-17	SCALE
DRAWN BY	E.C.	10-03-17	NONE
<b>SITE QUANTITIES</b>			<b>FIGURE #2A</b>



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