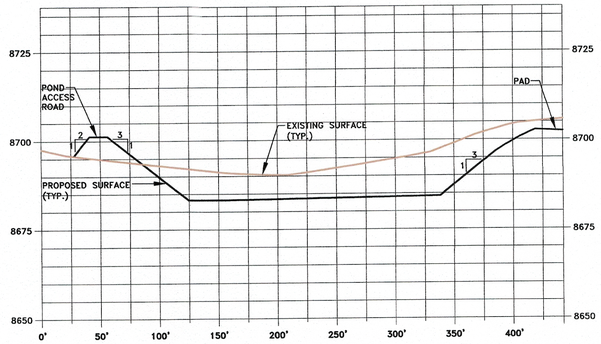
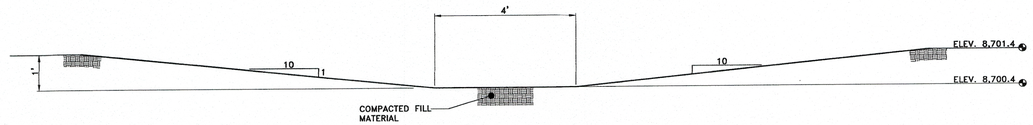
LEGEND

- 8140 — EXISTING GROUND MAJOR CONTOUR (10 FOOT)
- EXISTING GROUND MINOR CONTOUR (2 FOOT)
- 8140 — OPERATIONAL GROUND MAJOR CONTOUR (10 FOOT)
- OPERATIONAL GROUND MINOR CONTOUR (2 FOOT)
- OPERATIONAL GROUND DEPRESSION CONTOUR
- EXISTING ROAD
- EXISTING PAVED ROAD
- PROPOSED ROAD
- DISTURBED AREA BOUNDARY
- PROPOSED BERM OR SILT FENCE
- PROPOSED DITCH
- PROPOSED FENCE
- A — A' OPERATIONAL CROSS SECTION LOCATION



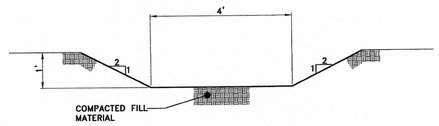
POND SECTION A–A'

SCALE: HORZ. 1"=60'
VERT. 1"=20'



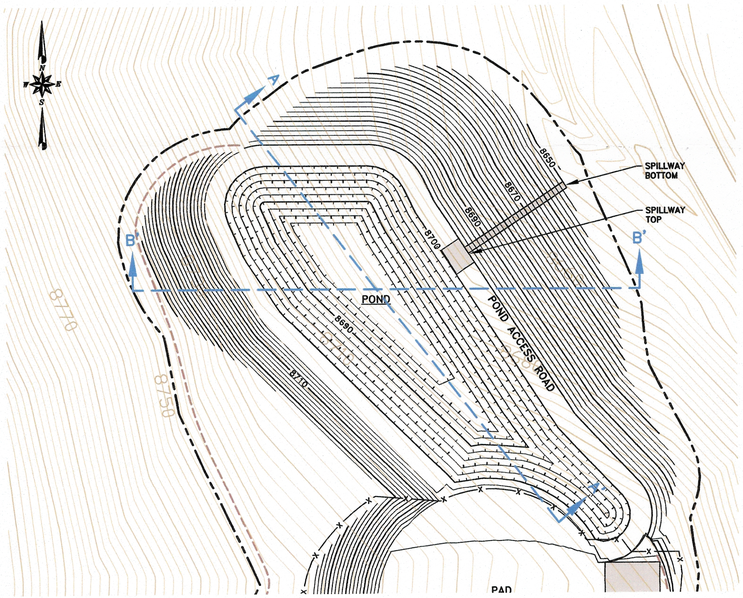
POND SPILLWAY TOP DETAIL

NTS



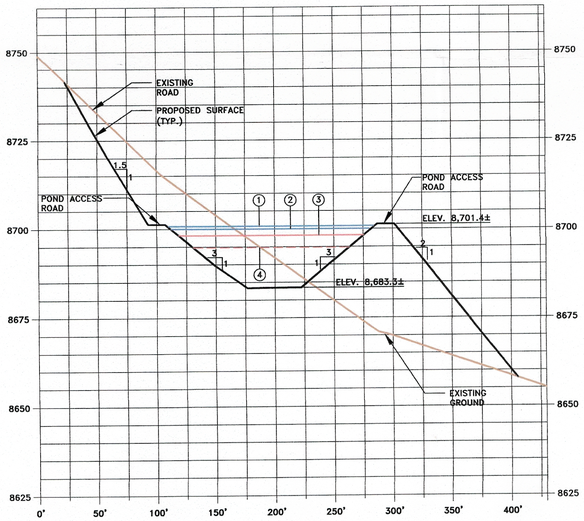
POND SPILLWAY BOTTOM DETAIL

NTS



POND PLAN

SCALE:1"=60'



POND SECTION B–B'

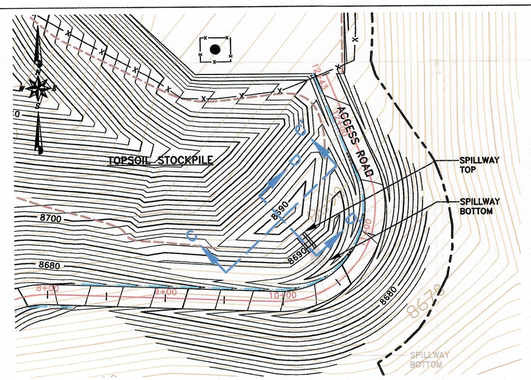
SCALE: HORZ. 1"=60'
VERT. 1"=20'

POND SECTION B–B' KEY NOTES:

1. 650 CY OF STORM WATER STORAGE ELEV. 8,700.4±.
2. 13,320 CY OF MAXIMUM SEDIMENT/CUTTINGS STORAGE. ELEV. 8,700.0±.
3. 4,100 CY OF SEDIMENT STORAGE WHEN CUTTINGS ARE DRY (60% CLEANOUT) ELEV. 8,698.2±.
4. 6,500 CY OF DRY CUTTING STORAGE 8,694.8±.

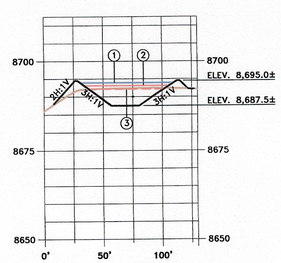
NOTE:

CUTTINGS WILL CONSIST OF AN APPROXIMATELY 50% WATER AND 50% SOLID MATERIAL BLEND. THE MAXIMUM WET CUTTINGS VOLUME IS ANTICIPATED TO BE 13,000 CY. THE MAXIMUM CALCULATED SEDIMENT YIELD IS 320 CY. THEREFORE, THE MAXIMUM CUTTINGS AND SEDIMENT STORAGE IS 13,320 CY. THE WET CUTTINGS WILL BE ALLOWED TO DRY CREATING AN ADDITIONAL 6,500 CY. OF SEDIMENT STORAGE.



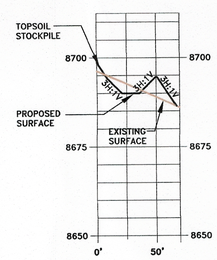
SEDIMENT BASIN PLAN

SCALE:1"=60'



BASIN SECTION C–C'

SCALE: HORZ. 1"=60'
VERT. 1"=20'

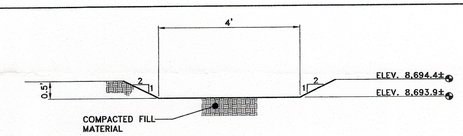


BASIN SECTION D–D'

SCALE: HORZ. 1"=60'
VERT. 1"=20'

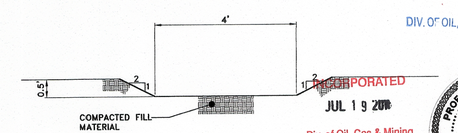
BASIN SECTION C–C' KEY NOTES:

1. 176 CY OF STORM WATER STORAGE ELEV. 8,694.6±
2. 194 CY OF MAXIMUM SEDIMENT STORAGE. ELEV. 8,693.05±
3. 116 CY OF SEDIMENT STORAGE (60% CLEANOUT) ELEV. 8,692.05±



SEDIMENT BASIN SPILLWAY TOP DETAIL

NTS



SEDIMENT BASIN SPILLWAY BOTTOM DETAIL

NTS

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JUL 19 2016
Div. of Oil, Gas & Mining

PROFESSIONAL ENGINEER No. 9501032 TIMOTHY A. JIMENEZ 7/26/2016 STATE OF UTAH

SEAL:

DATE	No.	REVISIONS

AS SHOWN

EarthFax Engineering, Inc.
Engineers/Scientists

SWENS CANYON
SHAFT
POND AND SEDIMENT BASIN DRAINAGE PLAN

Canyon Fuel Company, LLC
Skyline Mines

P.O. BOX 719 HELPER, UTAH 84526 801-637-7925	DATE: JAN, 2016	CK.BY:TAJ	REVISION: 1
CAD FILE: G:\UC1547/01/DWG/SHEET 1	SCALE: AS SHOWN	DR.BY:SWF	
DWG. NO.: 3.2.4-4C		SHEET 3	