

May 1, 2015

Permit Supervisor, Utah Coal Regulatory Program
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, UT 84114-5801

Re: Clean Copies of Amendment to MRP to add Asphalt, a West Lease #1 Belt Sump and Drainage Control,
Task ID#4886, Sufco Mine, Canyon Fuel Company, LLC, Permit Number C/041/0002

Dear Sirs:

Please find enclosed with this letter clean copies of an amendment to the Sufco Mine Permit to address the addition of a sump at the West Lease #1 Belt, drainage control to collect and direct water through the area adjacent to the West Lease Portal which will receive asphalt. The reclamation costs were originally included with this amendment, however the entire bond has now been revised and submitted in association with deficiencies from the Division's Midterm review.

If you have questions or need additional information please contact Vicky Miller at (435)286-4481.

CANYON FUEL COMPANY, SUFCO Mine



Kenneth May
General Manager

Encl.

cc: DOGM Correspondence File

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APPLICATION FOR COAL PERMIT PROCESSING

Permit Change New Permit Renewal Exploration Bond Release Transfer

Permittee: Canyon Fuel Company, LLC

Mine: Sufco Mine

Permit Number: C/041/0002

Title: Clean Copies of Amendment to add Asphalt, a West Lease #1 Belt Sump and Drainage Control, Task ID#4886

Description, Include reason for application and timing required to implement:

Instructions: If you answer yes to any of the first eight (gray) questions, this application may require Public Notice publication.

- Yes No 1. Change in the size of the Permit Area? Acres: _____ Disturbed Area: _____ increase decrease.
- Yes No 2. Is the application submitted as a result of a Division Order? DO# _____
- Yes No 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?
- Yes No 4. Does the application include operations in hydrologic basins other than as currently approved?
- Yes No 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?
- Yes No 6. Does the application require or include public notice publication?
- Yes No 7. Does the application require or include ownership, control, right-of-entry, or compliance information?
- Yes No 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
- Yes No 9. Is the application submitted as a result of a Violation? NOV # _____
- Yes No 10. Is the application submitted as a result of other laws or regulations or policies?
Explain: _____
- Yes No 11. Does the application affect the surface landowner or change the post mining land use?
- Yes No 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)
- Yes No 13. Does the application require or include collection and reporting of any baseline information?
- Yes No 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
- Yes No 15. Does the application require or include soil removal, storage or placement?
- Yes No 16. Does the application require or include vegetation monitoring, removal or revegetation activities?
- Yes No 17. Does the application require or include construction, modification, or removal of surface facilities?
- Yes No 18. Does the application require or include water monitoring, sediment or drainage control measures?
- Yes No 19. Does the application require or include certified designs, maps or calculation?
- Yes No 20. Does the application require or include subsidence control or monitoring?
- Yes No 21. Have reclamation costs for bonding been provided?
- Yes No 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?
- Yes No 23. Does the application affect permits issued by other agencies or permits issued to other entities?

Please attach four (4) review copies of the application. If the mine is on or adjacent to Forest Service land please submit five (5) copies, thank you. (These numbers include a copy for the Price Field Office)

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

Kenneth E. May _____ Kenneth E. May 5/1/15 _____
 Print Name Sign Name, Position, Date

Subscribed and sworn to before me this 1 day of May, 2015

Jacquelyn Nebeker _____
 Notary Public

My commission Expires _____, 20____ }
 Attest: State of Utah } ss: _____
 County of San Juan



| | | |
|-----------------------------|---------------------------|---|
| For Office Use Only: | Assigned Tracking Number: | Received by Oil, Gas & Mining <div style="text-align: center; color: blue; font-weight: bold; font-size: 1.2em;">RECEIVED</div> <div style="text-align: center; color: red; font-weight: bold; font-size: 1.1em;">MAY 05 2015</div> <div style="text-align: center; color: blue; font-weight: bold; font-size: 1.1em;">DIV. OF OIL, GAS & MINING</div> |
|-----------------------------|---------------------------|---|

The primary sediment pond has 2H:1V to 3H:1V inslopes (Plate 7-5). The overflow pond has 2H:1V to 3H:1V inslope (Plate 7-5A) The waste rock disposal site sedimentation pond has a 3H:1V inslope (Volume 3 of this M&RP). Surface erosion would be minimized by the flatness of the inslopes.

In the event of a storm, rapid drawdown in the primary sedimentation pond would be restricted to the vertical distance between the spillway and the peak water level, a distance of 0.20 ft (Plate 7-5). The maximum drawdown in the overflow pond during a storm event is 0.74 ft (Plate 7-5A). The maximum drawdown in the waste rock disposal site sedimentation pond during a storm event is 1.1 ft (Appendix II, Volume 3). Drawdown of this size is not significant and, given the flatness of the inslopes, is not of erosional concern.

During decant of the sedimentation ponds, flow is controlled and is unlikely to cause surface erosion.

5.3.3.4 Embankment Faces

Embankment inslopes and outlopes were revegetated following construction of the sedimentation ponds. Riprap was also placed on the upstream faces of the embankments near the discharge structures.

5.3.3.5 Highwalls

No highwalls are located below the water lines of the sedimentation ponds.

5.3.3.6 MSHA Criteria

No sedimentation ponds in the permit area meet the size criteria of 30 CFR 216(a).

5.3.3.7 Pond Operation and Maintenance Plans

Each sedimentation pond is designed in accordance with R645-301-740. Details of these designs are presented in Chapter 7 and in Volume 3.

The sedimentation ponds are operated as containment structures, with primary and emergency spillways to discharge water during a storm that exceeds the design capacity. Excess water following a runoff event is held in the ponds until the suspended sediment settles. Water is decanted in accordance with the discharge permit and 40 CFR 434 effluent limitations.

The decant devices for the three sedimentation ponds consist of an inverted section of 12-inch diameter iron pipe connected to iron pipe at the primary sediment pond, an inverted section of 24-inch CMP pipe connected to an 18-inch pipe at the overflow pond and an inverted section of 12-inch CMP connected to 12-inch CMP pipe at the Waste Rock Disposal Site. Outflow from the decant

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devices is controlled by locked gate valves. Keys to the locks are maintained at the mine office. Details of the design of these decant devices are provided in Chapter 7.

Inspections of the sedimentation ponds are conducted on a quarterly basis (see Section 5.1.4.3). Maintenance that is required to keep the ponds in good working condition is performed as soon as practical following discovery of a maintenance need.

Sediment is removed from the ponds when it accumulates to 60 percent of the design sediment storage volume. This removed sediment is disposed of in the waste-rock disposal area.

5.3.4 Roads

5.3.4.1 Location, Design, Construction, Reconstruction, Use, Maintenance, and Reclamation

Control of Damage to Public or Private Property. All roads used by SUFCA Mine were designed in accordance with applicable county, UDOT, and U.S. Forest Service standards. By designing according to these standards, damage to public or private property has been minimized.

Road Surfacing. The surface of the mine access road consists of asphalt with a rock-chip wear surface (see Section 5.2.7.2). All ancillary roads are unimproved dirt roads. No acid- or toxic-forming materials have been used in the road surfaces.

Appendix 5-11 contains design drawing and information pertaining to the paving of an area in the upper mine yard and the repair and re-paving of the area between the shop/warehouse and the ambulance garage/Dodge Shop/steam bay/dog house and repaving of an area behind the shop/warehouse building. The areas to be paved will also have three segments of concrete ditch with drop drains. The drop drain will direct surface runoff into existing culverts, which discharge water into the sediment pond for treatment.

A fourth drop drain located in the left hand corner of the site plan drawing (Appendix 5-11) will collect water and direct the water through a drain pipe, inserted through a concrete wall to the lower yard. In the second phase of the paving and drainage installation the drain pipe through the concrete wall will be connected to a pipeline and connected to an existing pipeline. The water will proceed per the permitted drainage plan, through the yard to the sediment pond.

The design of the Type 2 junction box has a single inlet/outlet, the design of the Type 3 junction has multiple inlets/outlets, the dimensions are the same for either box see the Site Drainage Detail Sheet drawing G-9 in Appendix 5-11 for the dimensions.

Sufco Parking Lot (Constructed 1950's) - A plan has been provided in Appendix 5-12 for the replacement of the asphalt in parking area adjacent to the mine office building. After removal and prior to replacing the asphalt, the area will be re-graded to slope to the center of the parking area where an installed concrete waterway will assist in directing precipitation/water into structures in the permitted drainage plan to the sediment pond.

If necessary a grade ring will be added to the existing manhole to bring the manhole cover up to the grade of the replaced asphalt.

Due to the limited knowledge of the material beneath the existing asphalt there is uncertainty to whether existing material or acquired untreated base course will be used. Existing native material will be used for the construction base when it's characteristics meet compaction standards, however when required untreated base course (0-8") will be used. Excess native material generated during the regrading of the parking lot area depending on it quality will be hauled to the waste rock site and either mixed with the waste or placed on the subsoil pile. The area to be re-paved ties into existing features on each end which will require the grade to be similar to the grade prior to the repaving and installation of the concrete waterway. The reclamation cut/fill calculations for this area should remain unchanged.

Slope Stability. The stability of the mine access road embankment has been evaluated where the road enters the permit area. Results of this evaluation are presented in Appendix 5-8. This analysis indicates that the access road embankment has a minimum safety factor of 1.7 under static conditions. This value exceeds the safety factor of 1.3 required by R645-301-534.130.

An evaluation of the stability of the sedimentation-pond access road embankment is presented in Appendix 5-8. This evaluation indicates that the minimum static safety factor of the sedimentation-pond road embankment is 1.7. This value also exceeds the safety factor of 1.3 required by R645-301-534.130.

All other roads in the lease area are owned and maintained by the U.S. Forest Service. No stability problems have been noted on these roads.

5.3.4.2 Environmental Protection and Safety

Safety and environmental protection were primary concerns during the design and reconstruction of the mine access road and construction of the sedimentation-pond access road. The grade, width, and surface materials used for the roads were selected to be appropriate for the planned duration and use of the roads.

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5.3.4.3 Primary Roads

General. The only primary road (outside of the disturbed area boundary) used or maintained by SUFACO Mine is the mine access road. The extension of this primary road within the disturbed area boundary is known as the truck loop road. This road was designed and constructed in consultation with the U.S. Forest Service in a manner that provided protection to fish, wildlife, and related environmental values. The road is being maintained by SUFACO Mine to meet its design standards throughout the life of the mining and reclamation activities. Catastrophic events are repaired as soon as practical after the damage occurs.

The mine access road was designed and reconstructed and is used and maintained in a manner that prevents damage to public or private property. Only nonacid- and nontoxic-forming materials were used to surface the road. The road embankments have a minimum static safety factor in excess of 1.3. Any portion of the road within the permit area that is not to be retained for use under an approved post-mining land use will be reclaimed immediately after it is no longer needed for mining and reclamation operations.

Road Alignment. The reconstructed mine access road was located generally along the alignment of the former dirt road. The former road location had been in existence for many years and had not experienced major stability problems. Thus, the road is located on the most stable available surface, giving consideration also to safety and environmental protection.

Road Surfacing. The mine access road is surfaced with asphalt with a rock-chip wear surface. This surface was designed to account for the anticipated volume of traffic as well as the weight and speed of vehicles using the road. No problems have been encountered with the road surface since its construction in 1977.

Road Maintenance. The mine access road is maintained by SUFACO Mine in cooperation with the county and UDOT. As required, SUFACO Mine repairs the road surface, blades the adjacent drainage ditches, fills potholes, and resurfaces the road. Where necessary, minor reconstruction of road segments will occur, together with revegetation of road cuts and fills and removal of brush.

Road Culverts. All culverts along the mine access road were installed and are maintained in accordance with manufacturers recommendations. Thus, these culverts have sustained the vertical soil pressure, the passive resistance of the foundation, and the weight of vehicles using the road. No evidence of structural problems has been observed with the culverts.

APPENDIX 5-11
Upper Mine Yard Details

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**MINE SITE GRADING & DRAINAGE - 2014
PHASE 2 OVERALL EXHIBIT**

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WEST LEASE #1 BELT SUMP

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CHAPTER 7
HYDROLOGY

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7.40 Design Criteria and Plans

7.4.1 General Requirements

This M&RP includes site-specific plans that incorporate minimum design criteria for the control of drainage from disturbed and undisturbed areas.

7.4.2 Sediment Control Measures

7.4.2.1 General Requirements

Design. Existing sediment control measures have been designed, constructed and maintained to provide the following:

- Prevent additional contributions of sediment to stream flow or to runoff outside the permit area.
- Meet the effluent limitations defined in Section 7.5.1.
- Minimize erosion to the extent possible.

Appendix 5-11 contains design drawings and information pertaining to the paving of an area in the upper mine yard and the repair/re-paving of an adjacent area. The areas to be paved will have three segments of concrete gutter with drop drains/inlet boxes and a fourth drop drain/inlet box in the asphalt to collect and direct runoff to the lower mine yard.

Appendix 5-11 contains design drawings and information pertaining to the construction of a sump (also referred to as the "West Lease #1 Belt Sump") at the entrance of the existing West Lease Beltline Tunnel. New drainage line and junction boxes will direct treated water from the sump into existing mine yard drainage culverts. A portion of the mine yard will also be paved/re-paved in the vicinity of the West Lease Portal, directly west of the ROM coal storage area (Appendix 5-11-2 drawing).

Measures and Methods. The sediment control measures at the mine include practices carried out within and adjacent to the disturbed area. Sediment control methods include:

- Retention of sediment within the disturbed area;
- Diversion of runoff away from the disturbed area;
- Diversion of runoff using channels or culverts through disturbed areas to prevent additional erosion;
- Cut and fill slopes within the disturbed area will be revegetated with a quick growing vegetative cover (standard seed mix in section 3.4.1.2 minus the shrubs and trees) to provide interim reclamation and stability of the slopes during mining.
- Provide straw dikes, riprap, check dams, mulches, vegetative sediment filters, dugout ponds and other measures that reduce overland flow velocities, reduce runoff volumes or trap sediment;
- Treatment with chemicals; and
- Treatment of mine drainage in underground sumps. There are four portal sites

in Quitchupah Canyon. The 4 East portal site is classified as an ASCA. South portals, 3 East portals, and Quitchupah portals have sediment control consisting of routing runoff from disturbed areas into the mine with berms and insloping. The runoff is then treated using in mine settling ponds prior to discharge through approved UPDES points. The disturbed area associated with the South portals is 0.017 acre. The disturbed area associated with the 3 East portals is 0.017 acre. The disturbed area associated with the Quitchupah portals is 0.017 acre. A calculation demonstrating the insignificance of the inflow of surface water into the mine is included in Appendix 7-16.

During construction of the new overflow pond sediment from the disturbed area will be controlled by the use of containment berms and silt fencing.

Several alternate sediment control areas are defined within the mine site and are listed below (see Plates 5-2B,C,D,E,&F):

- The original substation pad area and fire water tank above the office building. The sediment controls include a graveled pad area and silt fences. The disturbed area is 0.324 acre.
- The topsoil stockpile near the mine site primary sedimentation pond. The sediment control consists of containment berms and silt fencing. The disturbed area is 0.105 acre.
- The topsoil stockpile near the mine site overflow pond. The sediment control consists of containment berms and silt fencing. The disturbed area of the overflow pond topsoil stockpile is 0.141 acres.
- The subsoil, topsoil and sedimentation pond topsoil stockpiles at the waste rock disposal site. The sediment controls include containment berms and silt fencing. The disturbed area of the subsoil and topsoil stockpiles is 1.24 acre. The disturbed area of the pond topsoil pile is 0.293 acre.
- The area above the mine fan in East Spring Canyon. The sediment control consists of silt fencing. The disturbed area is 0.122 acre.
- The pump house in Convulsion Canyon. The sediment control consists of containment berms and silt fencing. The disturbed area is 0.075 acre.
- The leach field in Convulsion Canyon. The sediment control consists of containment berms and silt fencing. The area is fenced to prevent grazing. The disturbed area is 0.40 acre.
- The new substation pad disturbed area is 0.287 acre. The sediment controls include gravel and silt fences.
- The 4 East portal site consists of a pad area where a mine fan has been built. The disturbed area associated with the two portal openings at this site is 0.70 acre. Alternate sediment control at this pad consists of a containment berm, gravel and silt fencing.
- The Link Canyon Substation No. 1 facility disturbed area is 0.18 acre. This substation pad area was reclaimed in 2000. The sediment control consists of containment berms, silt fencing, and vegetation.
- The Link Canyon Substation No. 2 facility disturbed area is 0.12 acre. The sediment control consists of containment berms, gravel and silt fencing.
- The Link Canyon Portal facility disturbed area is 0.18 acre. The sediment control consists of containment berms, gravel and silt fencing.

The total area for Alternate Sediment Control Areas (ASCA) is 4.167 acres. This is approximately 13.6 percent of 30.454 acres of total disturbed area at the mine site, Link Canyon Portal and Substation No. 1 and No. 2 facility sites, and waste rock disposal site (including ASCA's and SAE's).

The upper yard concrete gutters and inlet boxes/drop drains will direct surface runoff into existing culverts, which discharge water into the sediment pond(s) for treatment. There will be no additional runoff introduced into the designed drainage system with the paving of the upper yard area. Refer to Appendix 5-11 for details of the gutters and inlet boxes.

The West Lease #1 Belt Sump will capture and treat water from the beltline as well as from portions of the mine yard in the vicinity of the West Lease portal. Treated water from the sump will be directed through new drainage lines and junction boxes to existing mine yard drainage culverts. Refer to sheet number Appendix 5-11-2 for location of sump, drainage lines, and junction boxes. Sump design details are located in Appendix 5-11, West Lease #1 Belt Sump.

7.4.2.2 Siltation Structures

General Requirements. Additional contributions of suspended solids and sediment to stream flow or runoff outside the permit area are being prevented to the extent possible using various siltation structures.

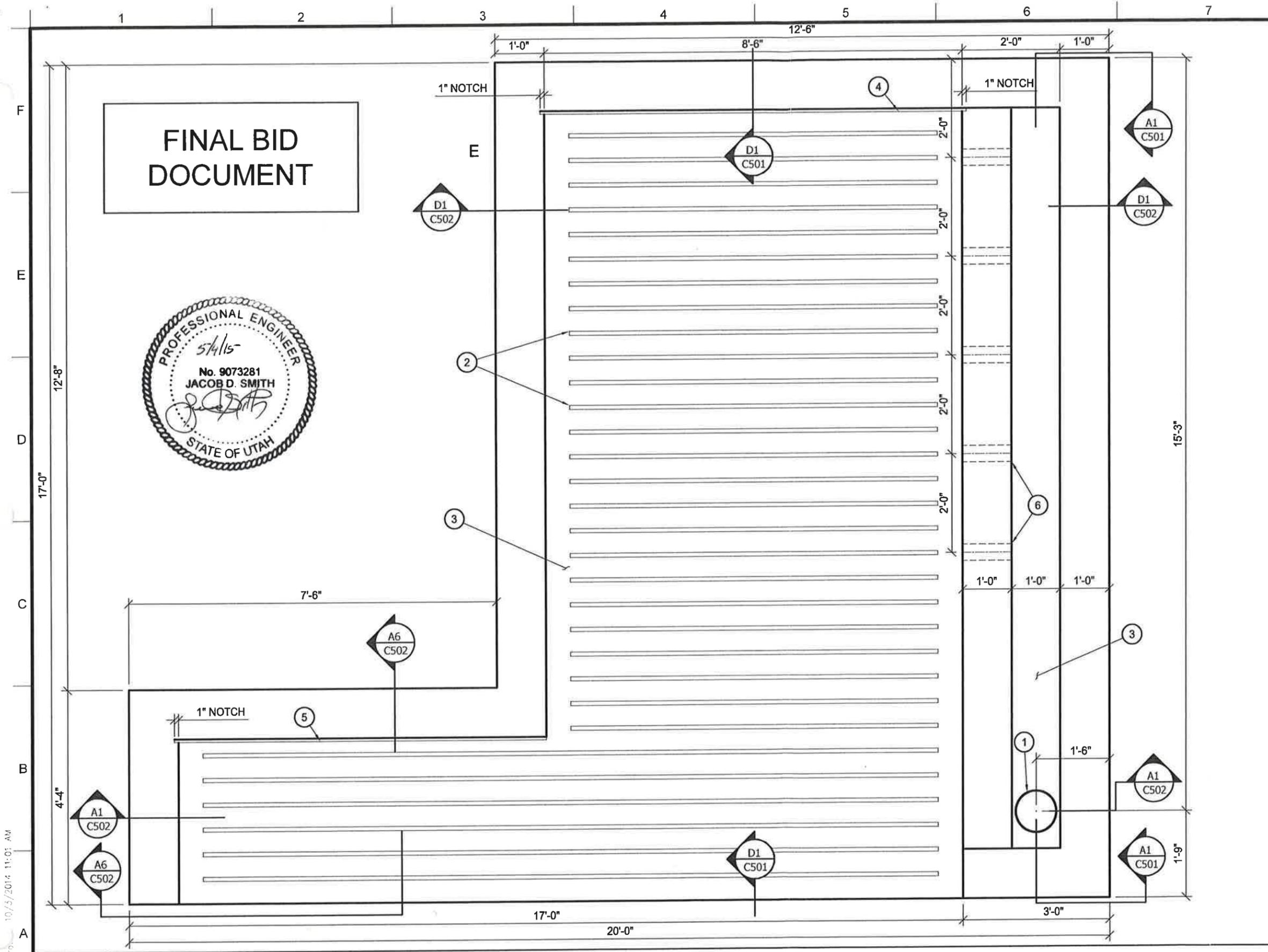
The existing siltation structures for the main facilities area, the concrete sediment trap and primary sedimentation pond, were not constructed before beginning coal mining operations. The structures were constructed upon implementation of applicable State and Federal Regulations. The overflow pond was constructed to allow for continued compliance with State and Federal Regulations. The sedimentation pond for the waste rock disposal site was constructed before the site was used. Each structure has been certified by a qualified registered professional engineer.

All siltation structures which impound water have been designed, constructed and maintained as described in Chapter 5 and Sections 7.3.3 and 7.4.3.

Siltation structures are also provided at the mine-water discharges points. Water is presently being discharged from the mine at UPDES discharge point 003 from the Quitcupah Canyon breakouts. UPDES discharge point 001 is approved as an alternative mine water discharge point. Design of the siltation structures for these discharge points is presented in Section 7.3.1.5.

Sedimentation Ponds. There are four sedimentation ponds operating within the permit area. These ponds are described as follows:

- Concrete sediment trap located at the south end of the main facilities area.



KEYNOTES

- ① 10"Ø PIPE. STUB OUT TO TIE INTO 10"Ø CMP STORMDRAIN LINE.
- ② 1" x 1" FRICTION TREAD 6" OC
- ③ 12" CONCRETE SLAB - SEE DETAILS
- ④ PLATE, 3/4" x 3'-8" x 8'-8"
- ⑤ PLATE, 3/4" x 2'-2" x 7'-7"
- ⑥ 4" SCH 40 PVC

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FINAL BID DOCUMENT



Canyon Fuel Company, LLC
SUFACO Mine
597 South SR 24 - Salt Lake, UT 84654
(435) 286-4980 Phone
(435) 286-4499 Fax

| NO. | DATE | REQ. BY | DWG. BY | REMARKS |
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SUFACO MINE
WEST LEASE #1 BELT SUMP
SUMP - PLAN VIEW

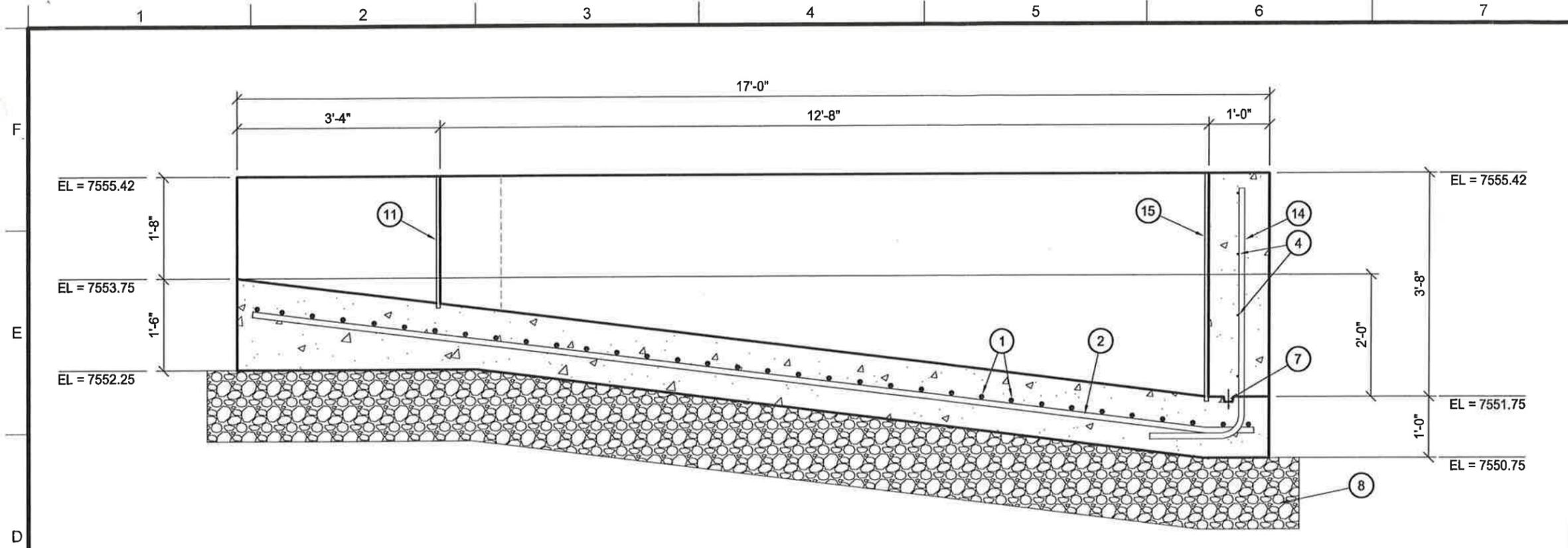
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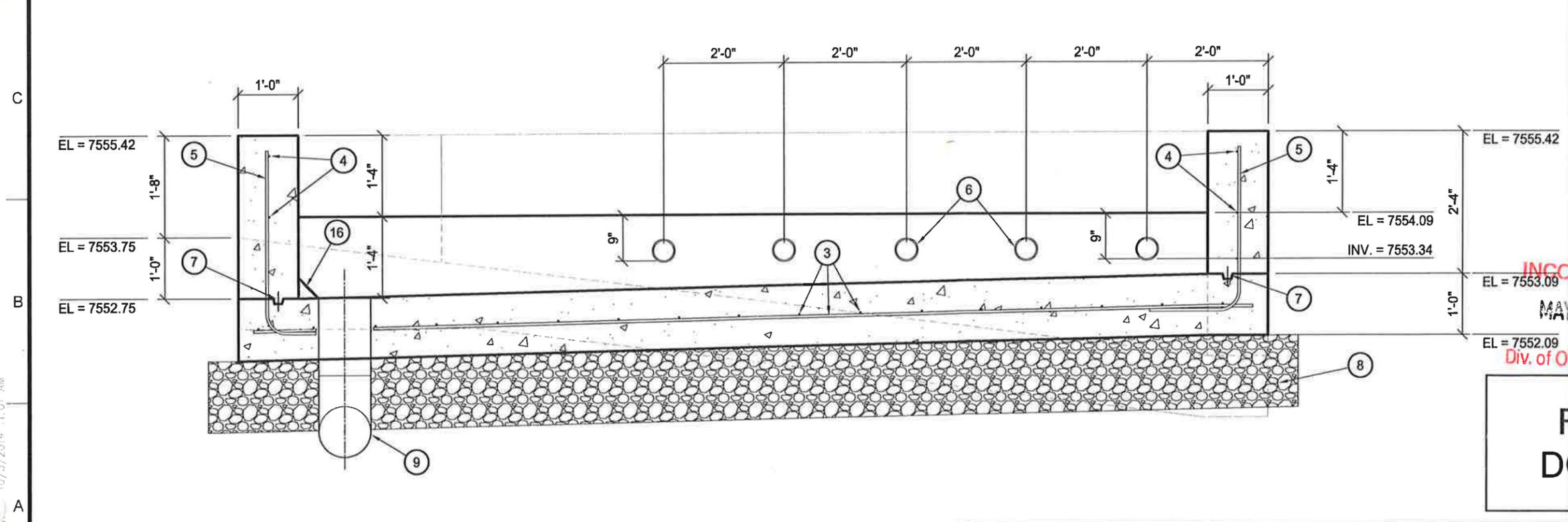
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A1 **PLAN VIEW**

1/2" = 1'-0"



D1 CROSS SECTION
1/2" = 1'-0"



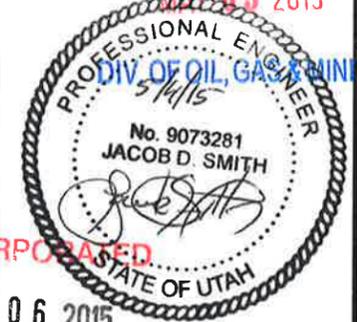
A1 CROSS SECTION
1/2" = 1'-0"

KEYNOTES

- ① #9 REBAR @ 6" OC
- ② #9 REBAR @ 12" OC
- ③ #4 REBAR @ 12" OC
- ④ #4 REBAR HORIZ @ 12" OC
- ⑤ #4 REBAR UPRIGHT @ 12" OC
- ⑥ 4" SCH 40 PVC
- ⑦ KEYWAY W/ WATERSTOP CONT
- ⑧ 14" OF UNTREATED BASE COURSE. COMPACTED TO 96% OF MAXIMUM DENSITY DETERMINED BY ASTM-1557
- ⑨ 10"Ø PIPE. STUB OUT TO TIE INTO 10"Ø CMP STORMDRAIN LINE.
- ⑩ #9 REBAR UPRIGHT @ 12" OC
- ⑪ PLATE, 3/4" x 2'-2" x 7'-7"
- ⑫ 4" CONCRETE FLATWORK
- ⑬ #3 REBAR @ 12" OC EACH WAY
- ⑭ #9 REBAR UPRIGHT @ 12" OC
- ⑮ PLATE, 3/4" x 3'-8" x 8'-8"
- ⑯ SLOPE TO PIPE

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FINAL BID DOCUMENT

Canyon Fuel Company, LLC
SUFCO Mine
597 South SR 24 - Salina, UT 84654
(435) 286-4890 Phone
(435) 286-4499 Fax

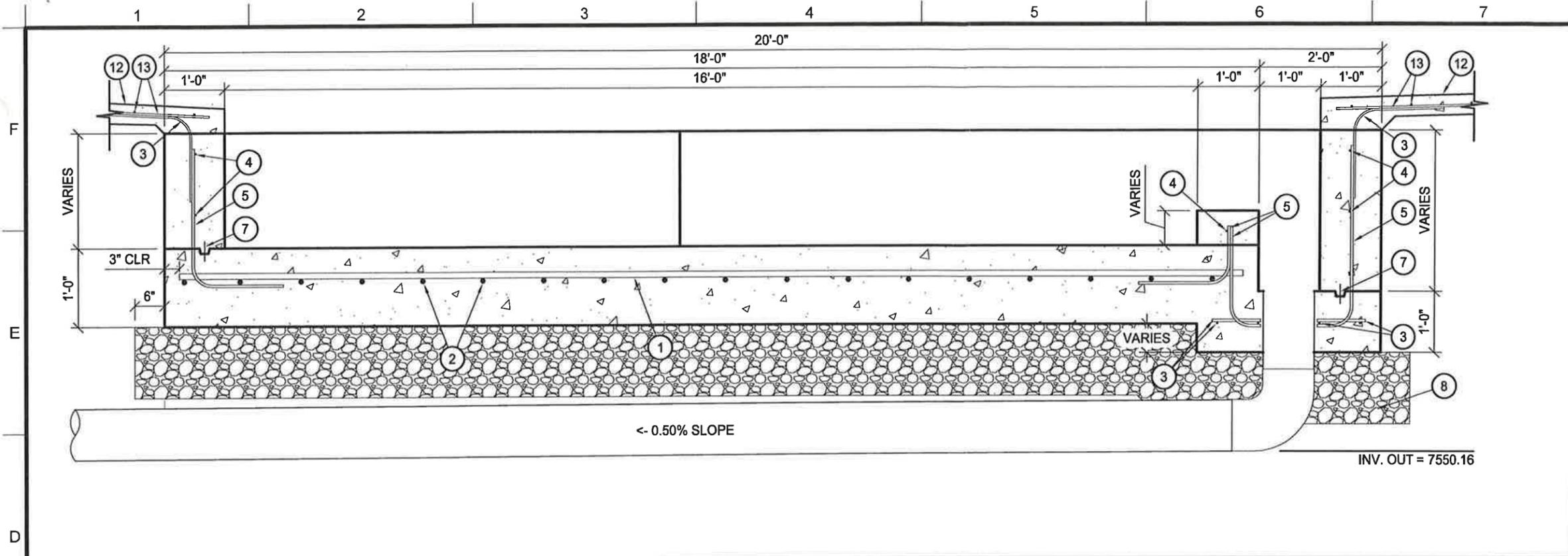
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SUFCO MINE
WEST LEASE #1 BELT SUMP
DETAIL SHEET

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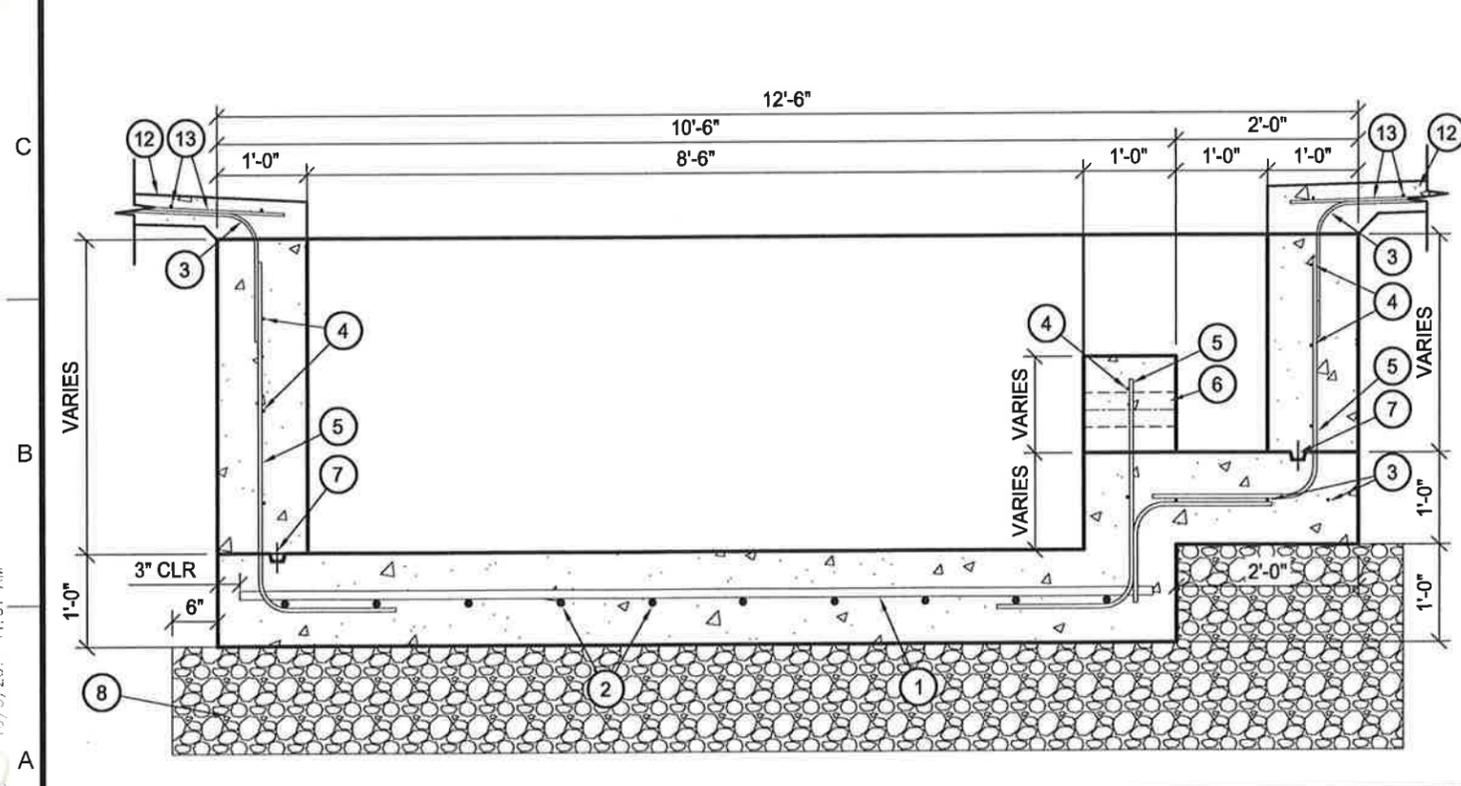
SHEET NO.
C501



- KEYNOTES**
- 1 #9 REBAR @ 6" OC
 - 2 #9 REBAR @ 12" OC
 - 3 #4 REBAR @ 12" OC
 - 4 #4 REBAR HORIZ @ 12" OC
 - 5 #4 REBAR UPRIGHT @ 12" OC
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 - 9 10"Ø PIPE. STUB OUT TO TIE INTO 10"Ø CMP STORMDRAIN LINE.
 - 10 #9 REBAR UPRIGHT @ 12" OC
 - 11 PLATE, 3/4" x 2'-2" x 7'-7"
 - 12 4" CONCRETE FLATWORK
 - 13 #3 REBAR @ 12" OC EACH WAY

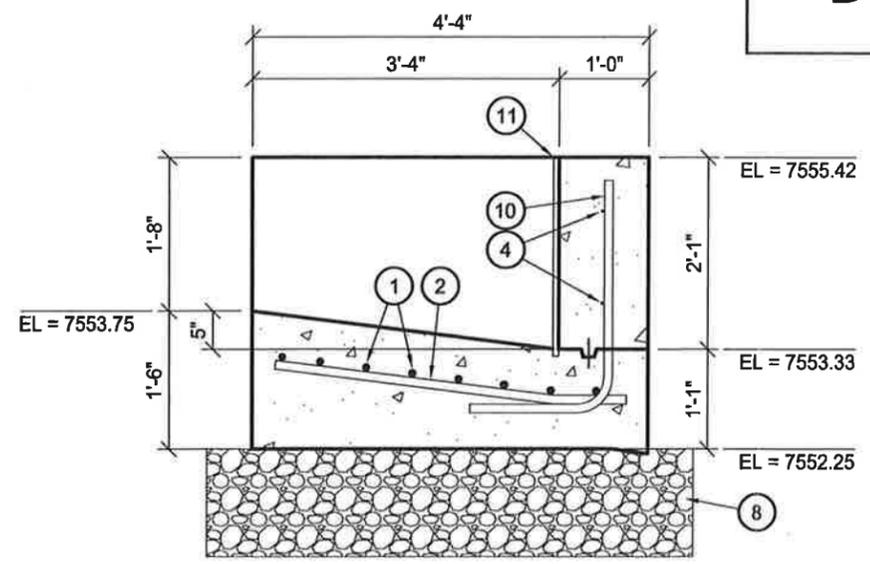
D1 CROSS SECTION

1/2" = 1'-0"



A1 CROSS SECTION

1/2" = 1'-0"



A6 CROSS SECTION C-C

1/2" = 1'-0"

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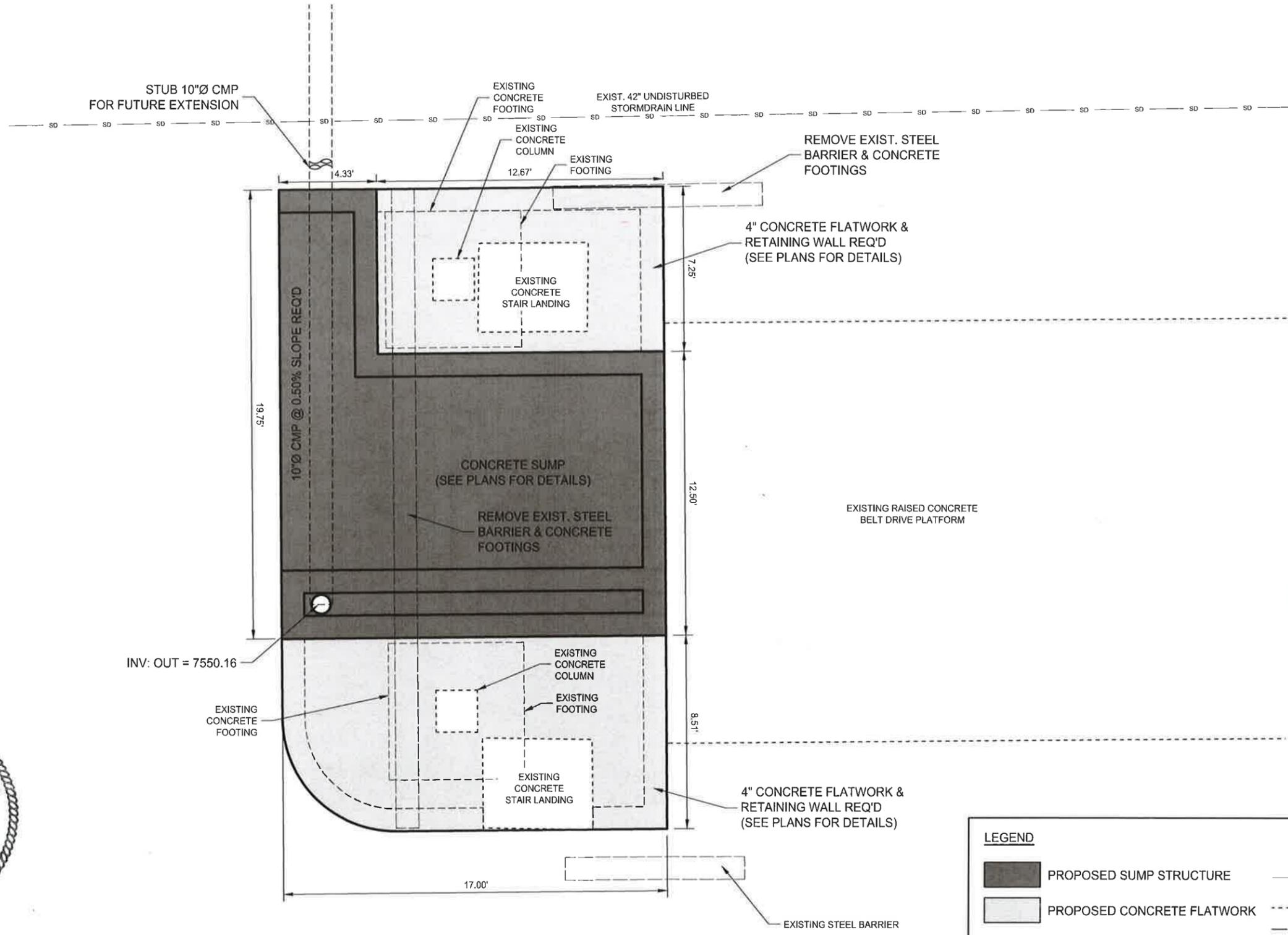
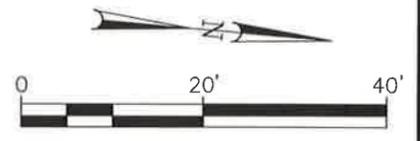
SUFCO MINE
WEST LEASE #1 BELT SUMP
DETAIL SHEET

SHEET NO.
C502

Canyon Fuel Company, LLC
SUFCO Mine
587 South SR 24 - Salina, UT 84654
(435) 286-4880 Phone
(435) 286-4499 Fax

Trent Brown 10/3/2014 11:01 AM

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| LEGEND | |
|--------|------------------------------------|
| | PROPOSED SUMP STRUCTURE |
| | PROPOSED CONCRETE FLATWORK |
| | EXISTING UNDISTURBED DRAINAGE PIPE |
| | EXISTING EDGE OF CONCRETE |
| | EXISTING EDGE OF ASPHALT |

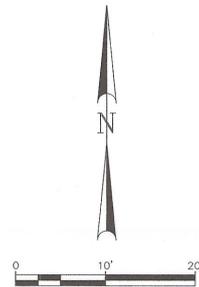


Canyon Fuel Company, LLC
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| WEST LEASE #1 BELT SUMP | | | | |
|---|----------------|------------------|----------------|------------------|
| SITE PLAN | | | | |
| SCALE: 1" = 20' | DATE: 4/9/2015 | DRAWN BY: T.R.B. | ENGINEER: K.T. | CHECKED BY: K.T. |
| FILE NAME: H:\DRAWINGS\MRP\PLATES\APPENDIX_5-11-3.dwg | | | PROJ: 0714-001 | |

| REVISIONS | | | | |
|-----------|------|---------|---------|---------|
| NO. | DATE | REQ. BY | DWG. BY | REMARKS |
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SHEET NO.
APPENDIX
5-11-3



ROM COAL STORAGE

COAL STORAGE

COAL STORAGE

LUMP COAL STORAGE



INCORPORATED
MAY 06 2015
Div. of Oil, Gas & Mining

RECEIVED
MAY 05 2015

| LEGEND | | DIV. OF OIL, GAS & MINING | |
|--------------------------|--|---------------------------|----------------------------------|
| [Blue fill] | PROPOSED ASPHALT | [Dashed line] | EXISTING DISTURBED DRAINAGE PIPE |
| [Brown fill] | PROPOSED SUMP STRUCTURE PART OF ANOTHER PROJECT | [Dotted line] | EXISTING EDGE OF CONCRETE |
| [Pink fill] | PROPOSED CONCRETE FLATWORK PART OF ANOTHER PROJECT | [Dashed line] | EXISTING EDGE OF ASPHALT |
| [White fill with border] | REMOVE EXISTING ASPHALT | [Dashed line] | EXISTING BURIED POWERLINE |
| [Dashed line] | EXISTING UNDISTURBED DRAINAGE PIPE | [Dashed line] | EXISTING BURIED TELEPHONE LINE |
| | | [Dashed line] | EXISTING BURIED WATERLINE |
| | | [Dashed line] | EXISTING BURIED SEWER LINE |
| | | [Dashed line] | EXISTING BURIED FIRE WATER LINE |

| REVISIONS | | | |
|-----------|------|---------|---------|
| NO. | DATE | REQ. BY | DWG. BY |
| | | | |
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| | | | |

Canyon Fuel Company, LLC
SUFCO Mine
 597 South SR 24 - Salina, UT 84654
 (435) 286-4880 Phone
 (435) 286-4499 Fax

MINE SITE GRADING & DRAINAGE - 2014
PHASE 2 OVERALL EXHIBIT

| | | | | | | |
|-------------------------------|---------------------|---|------------------|------------------|-------------|-----------|
| PEN TBL: -15tndrd-SUFENP1.ctb | SCALE: 1" = 10' | DATE: 4/9/2015 | DRAWN BY: T.R.B. | ENGINEER: J.D.B. | CHECKED BY: | SHEET NO. |
| SHT SET: ### | PROJECT NUMBER: ### | FILE NAME: H:\DRAWINGS\MRP\PLATES\APPENDIX_5-11-2.dwg | APPENDIX 5-11-2 | | | |

Title Block: 4/9/2015, 9:00 PM