

Exhibit 3

Distressed Coal Letter of Intent
To Buy

Letter of Intent

Carbon Resources, LLC
PO Box 11789
Albuquerque, NM 87192

Gentlemen:

Arch Coal Sales Company, Inc. individually and as agent for the operating companies of Arch Coal, Inc. ("ARCH"), and Carbon Resources, LLC, a Nevada limited liability company, hereby declare their mutual intent to enter into a sales agreement to buy and sell approximately eight thousand tons of "distressed coal" buried under a thin soil veneer within the Carbon Resources Kinney No. 2 planned surface facility land.

ARCH owns and operates a coal cleaning facility on Ridge Road, near Price, Utah. Carbon is moving forward with plans to open the Kinney No. 2 Mine near Scofield, Utah. ARCH, from time to time, purchases "distressed coal" and processes said coal through the cleaning facility near Price. Carbon has an estimated eight thousand tons of coal buried beneath a thin veneer of soil that will be dug up during construction of surface facilities for the Kinney No. 2 Mine. Carbon desires to sell this "distressed coal" to ARCH and ARCH desires to purchase said coal from Carbon. Terms of a buy-sell agreement for said coal will be negotiated in good faith and both parties agree to complete said negotiations and sign a sales agreement no later than October 1 2011, provided, however, that either party may terminate its participation and obligations under this Letter of Intent by providing five days advance written notice to the other party.

The parties may, from time to time, enter into additional agreements to buy and sell additional distressed coal from the Kinney No. 2 Mine.

For Arch Coal Sales Company, Inc.:

By: Jean Ziegler, Jr
(Print)

Signature: [Signature] Date: 4/4/2011

Title: SR VP SALES & ADMINISTRATION

Agreed to by Carbon Resources, LLC:

By: J. H. Reeves
(Print)

Signature: [Signature] Date: 2/25/2011

Title: MANAGING DIRECTOR

Exhibit 3
Offer to Purchase
Reclaimed Coal

☆ from **Kyle Edwards** <kedwards@headwaters.com> [hide details](#) 11:47 AM (7 minutes ago) [↩ Reply](#) ▼

to ● Gregory Hunt <geohuntllc@gmail.com>

cc John Shaal <john.shaal@headwaters.com>

date Tue, Apr 19, 2011 at 11:47 AM

subject RE: Kinney Recliame Coal PDF

mailed-by headwaters.com

Greg, at this time Covol would like to offer \$0.50 a ton for the reclaimed coal piles. The reason for this is the market, unknowing what the product will be after cleaning it and the cost of disposal of the by- product. As we talked about this is F.O.B mine site. We also reserve the right as you do to stop at any point of the process that we can't live with.

If this works we can drafted the agreement when your ready.

Kyle Edwards
Plant Manager
Covol Engineered Fuels - Wellington Ut
Cell phone: [435-820-1110](tel:435-820-1110)
Plant Phone: [435-613-1631](tel:435-613-1631)

From: Gregory Hunt [mailto:geohuntllc@gmail.com]
Sent: Monday, April 11, 2011 2:35 PM
To: Kyle Edwards
Subject: Kinney Recliame Coal PDF
- Show quoted text -

[↩ Reply](#) [↩ Reply to all](#) [→ Forward](#)

Exhibit 3
Scofield Town
Letter of Intent to Provide
Water and Sewer Service

From:

Mike Erkkila <rmerkkila@hotmail.com>

To:

 ghuntbbc <ghuntbbc@aol.com>

Date:

Tue, Apr 5, 2011 4:44 pm

SCOFIELD TOWN

INCORPORATED MARCH 7, 1892

Carbon County, Utah

SCOFIELD ROUTE

BOX 700

HELPER, UTAH 84526

(435) 448-9221

FAX (435) 448-9207

Greg Hunt

Carbon Resources,

The Town Council felt that this LOI from 2009 was still in place and would honor it. They felt it would be a good idea to wait until Carbon Resources emerges from chapter 11 to sign a definitive agreement.

Cordially,

Mike Erkkila

Scofield Mayor

Letter of Intent

Carbon Resources, LLC
PO Box 11789
Albuquerque, NM 87192

Gentlemen:

Scofield Town, a political subdivision of the State of Utah ("the town"), and Carbon Resources, LLC, a Nevada limited liability company ("Carbon"), hereby declare their mutual intent to enter into an agreement ("Agreement") to provide and receive sewer and water services.

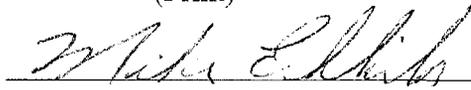
Scofield Town, owns and operates a municipal sewer and potable water system both having capacity exceeding the towns needs, and owns water rights in Scofield Reservoir with point of diversion rights on Mud Creek, within the Scofield City Limits.

Carbon Resources, LLC owns surface lands and the rights to mine coal from the planned Kinney No. 2 Mine which in part lies within the Scofield City Limits. Carbon Resources anticipates the need for sewer, potable and non-potable water services in order to operate the planned mine. Furthermore, Carbon desires to purchase from Scofield Town said services.

Scofield Town, pursuant to a resolution of the Scofield Town Council passed on the 8th Day of December 2008, does hereby declare its intent to enter into said agreement with Carbon Resources to provide sewer, and water services, as needed for the operation of the planned Kinney No. 2 Mine. Terms of said agreement will be negotiated in good faith and both parties agree to make every effort to complete said negotiations and sign said agreement no latter than June 1 2009.

For Scofield Town:

By: MIKE ERKKILA
(Print)

Signature:  Date: 2-11-09

Title: MAYOR

Agreed to by Carbon Resources, LLC:

By: CLAY WISDOM
(Print)

Signature:  Date: 2-16-09

Title: CFO

Exhibit 4

Utah Department of Commerce

Verification of Business Entity

Utah Business Search - Details

CARBON RESOURCES, LLC

Entity Number: 7201220-0161

Company Type: LLC - Foreign

Address: 34 VALLE HERMOSA SANDIA PARK, NM 84047

State of Origin: NV

Registered Agent: RONALD C BARKER

Registered Agent Address:

2870 S STATE ST Salt Lake City UT 84115

Status: Active

Status: Active  as of 04/05/2010

Renew By: 12/01/2011

Status Description: Good Standing

Employment Verification: Not Registered with Verify Utah

History

Registration Date: 12/01/2008

Last Renewed: 01/24/2011

Additional Information

NAICS Code: 9999 **NAICS Title:** 9999-Nonclassifiable Establishment

Refine your search by:

- Search by:
- Business Name
- Number
- Executive Name
- Search Hints

Name:

Exhibit 4

MSHA ID Number

Date: Wed, Feb 9, 2011 3:51 pm

Dear Bill Reeves:

This email is to verify that the Kinney # 2 operation has been assigned the MSHA Identification Number designated below. The number is assigned to the operation located at or near Scofield, UT.

Your MSHA Mine ID: 42-02566

The provisions of 30 CFR, Part 41 require the filing of a Legal Identity Report (MSHA Form 2000-7) in your respective District Office within 30 days of the opening of the operation. Please refer to the regulation at <http://www.msha.gov/30cfr/41.11.htm>. The newly assigned mine identification number is required to complete the report. This report may be filed electronically at the MSHA website address <http://www.msha.gov/forms/forms.asp>.

As a mine operator, your company is accountable for the reporting requirements of 30 CFR, Part 50. Please reference the Federal Mine Safety and Health Regulations CFR 30, Part 50 at <http://www.msha.gov/30cfr/50.0.HTM>. Also, please reference 30 CFR Part 100, Criteria and Procedures for Proposed Assessment of Civil Penalties, for information on the process through which MSHA proposes civil penalties if a mine operator or contractor is cited for failure to comply with mandatory safety or health regulations.

Additionally, mine operators are required to comply with the provisions of 30 CFR Part 50 regarding hours worked, and injuries and occupational illnesses occurring to employees at these sites. Required reports are MSHA Form(s) 7000-1 (Mine Accident, Injury, and Illness Report) and 7000-2 (Quarterly Employment Report). One quarterly report is required for each mine having a Mine ID. Both reports may be filed electronically at the MSHA website address <http://www.msha.gov/forms/forms.asp>.

To view any forms submitted electronically, click on the link <http://www.msha.gov/forms/forms.asp> and scroll down and click on the link to 'Lookup previously filed forms'.

If you need further information or assistance, please contact your local MSHA office. Please reference district contact information at <http://www.msha.gov/district/disthome.htm>.

Sincerely,

Allyn Davis
Coal District 9
Coal Mine Safety & Health

U.S. Department of Labor

Mine Safety and Health Administration
P. O. Box 25367
Denver, Colorado 80225-0367
Coal Mine Safety and Health
District 9



FEB 15 2011

Bill Reeves
President
Carbon Resources LLC
P.O. Box 954
Sandia Park, NM 87047

RE: Kinney #2
ID No. 42-02566
Mine ID Request

Dear Mr. Reeves:

This is to acknowledge receipt of your electronically submitted Legal Identity Report Form 2000-7, signed by you on February 9, 2011, establishing a new mine ID for Kinney #2 mine. All future correspondence regarding this mine should reference the Federal Mine Identification Number, 42-02566.

When filing your Legal ID Report, be certain that all items are completed, if they are applicable. Item 9 should name the person with whom the District Manager should confer regarding plans. This person will be located at the mine and will most likely be the highest ranking official located there.

Items #9, #10 and #11 can be, but do not have to be, the same person. The person listed in Item #11 does not have to be located at the mine. This person will receive service of process, if necessary.

The following identifies the contacts for District Management and other necessary numbers:

Allyn C. Davis 303-231-5458
District Manager

Donald E. Gibson 303-231-5558
Assistant District Manager/Inspection Programs

William P. Knepp 303-231-5563
Assistant District Manager/Technical Programs

Qualification and Certification 303-231-5472

Fax Machine-District Office 303-231-5553

The enclosure also includes the New Mine Packet. This packet will assist with the reporting requirements of establishing the new mine.

Should our web site not be available to you, or if you have any questions, please contact Patricia Castelli at (303) 231-5556 or (303) 231-5458.

Sincerely,



Allyn C. Davis
District Manager

Enclosure

cc: Gregory Hunt, Consultant

| | |
|--|----------------------------------|
| E-Document ID: 1376547 | MSIS Document ID: 4202566 |
| E-Document Status: MsisLoaded | Show Review History |
| Current District: Denver, CO(C0900) Reassign District | |
| Current Assigned Person: Reassign Person | |

E-Document Approved

This document has been loaded into MSIS. Your assigned Mine Id number is 4202566.

OK

Mine ID Request (7000-51)**New Mine Status**

Status to create the mine with NewMine

Status Date 2/9/2011

Qualifying Questions

Is this a coal mine? Yes

Will this operation change location periodically? No

Mine Information

| | | | |
|-------------------------------|---|--|--|
| Operating Company Name | Carbon Resources LLC Search for similar names | Mailing Address for Document Delivery | P.O. Box 954 Sandia Park, NM 87047 |
| Mine/Plant Name | Kinney # 2 | | |
| Effective Date | 02/09/2011 | | |
| Contact Official | | Mine Location | |
| Name | Bill Reeves | Nearest Town | Scotfield |
| Title | President | State | UT |
| Phone | (505) 980-1841 | County | Carbon |
| Ext. | | | |
| Fax | | | |
| Email Address | ghuntbbc@aol.com | | |

Submission

Submitted by Bill Reeves on 2/9/2011

Exhibit 4

US Fish & Wildlife Service Nest 1451 Deterrent Action Letter of Authorization & Utah Division of Wildlife Resources Concurrence



United States Department of the Interior



FISH AND WILDLIFE SERVICE Migratory Bird Permit Office, Region 6

IN REPLY REFER TO:
USFWS/PERMITS

MAILING ADDRESS:
Post Office Box 25486
Denver Federal Center (60154)
Denver, Colorado 80225

STREET LOCATION:
134 Union Blvd.
Lakewood, Colorado 80228

April 26, 2011

Gregory Hunt
Carbon Resources LLC
P.O. Box 954
Sandia Park, NM 87047

Dear Mr. Hunt:

The letter serves as authorization for you and any other persons under direct control of, under contract to, or employed by you, to carry out activities only to the extent necessary in accomplishing the purpose authorized below.

You are authorized to temporarily deter nesting activities of one (1) inactive Red-tailed Hawk (*Buteo jamaicensis*) or Swainson's Hawk (*Buteo swainsoni*) nest #1541, located at UTM coordinates 487008.6949 and 4397609.6045 Kinney No. 2 Mine, Carbon County, Utah during the 2011 breeding season. The nest must be verified that it is inactive before applying the nest deterrent.

This authorization expires 90 days from the date of this letter and is issued for this one nest only. If the deterring of nest activities does not occur, please notify this office within five (5) days.

You and any other persons under direct control of, under contract to, or employed by you, shall comply with all mitigation efforts coordinated and approved by the U.S. Fish and Wildlife, Ecological Services Field Office, Salt Lake City, Utah (801) 975-3330.

You and any other persons under direct control of, under contract to, or employed by you, shall implement the above activities, and monitor the status of the nest during the 2011 breeding season.

A narrative summary of all activities conducted under this authorization shall be sent to the Migratory Bird Permit Office, Denver, Colorado.

This authorization is contingent upon approval of the Utah Department of Natural Resources, and a copy shall accompany anyone exercising its authority.

Sincerely,

Janell Suazo

Chief, Migratory Bird Permit Office



Ben Grimes <bagrimes@gmail.com>

Kinney Mine Nest #1541

5 messages

Ben Grimes <bagrimes@gmail.com>**Wed, Apr 27, 2011 at 4:22 PM**

To: leroymead@utah.gov

We got the Letter of Authorization from the USFWS. The letter says that we need Utah Dept. of Natural Resources approval also. What do we need from DNR/DWR? Time is of the essence, we would like to do the nesting deterrent this weekend since we are getting late in the nesting season.

I will try to get you by phone also, but I hear you have a new assignment and may be very busy.

Thanks,
Ben Grimes

Leroy Mead <leroymead@utah.gov>**Thu, Apr 28, 2011 at 8:23 AM**

To: Ben Grimes <bagrimes@gmail.com>

Ben,

I feel like I've already given my approval. If you want something more formal, then it will take weeks to run it through our Salt Lake office.

Leroy

[435-613-3718](tel:435-613-3718) (office)

[435-636-5359](tel:435-636-5359) (cell)

>>> Ben Grimes <bagrimes@gmail.com> 4/27/2011 4:22 PM >>>

[Quoted text hidden]

Ben Grimes <bagrimes@gmail.com>**Thu, Apr 28, 2011 at 12:24 PM**To: Gregory Hunt <geohuntllc@gmail.com>, Joe Helfrich <joe Helfrich@utah.gov>, nathan_darnall@fws.gov

[Quoted text hidden]

Ben Grimes <bagrimes@gmail.com>**Thu, Apr 28, 2011 at 12:24 PM**To: Ben Grimes <ben.grimes@carbon.utah.gov>

[Quoted text hidden]

Ben Grimes <bagrimes@gmail.com>**Sat, Apr 30, 2011 at 11:23 AM**To: Gregory Hunt <geohuntllc@gmail.com>

----- Forwarded message -----

From: **Leroy Mead** <leroymead@utah.gov>

Date: Thu, Apr 28, 2011 at 8:23 AM

Subject: Re: Kinney Mine Nest #1541

[Quoted text hidden]

Exhibit 10

Surface and Ground Water Field Measurements

Carbon Resources LLC

Kinney II Baseline Water Sampling
Ground Water Field Measurements

Eagle Spring* (Miller Spring)

Elevation: ~7,700

Revised Feb. 2011

| Date | Estimated Flow (gpm) | pH | Dissolved Oxygen (ppm) | Specific Conductivity (Us) | Temp (C) |
|------------|----------------------|------|------------------------|----------------------------|------------|
| 5/11/2005 | <10 | 7.35 | 6 | 98.9 | 18.0 |
| 9/6/2005 | dried up | | | | |
| 10/31/2005 | dried up | | | | |
| 11/28/2005 | dried up | | | | |
| 12/22/2005 | dried up | | | | |
| 1/22/2006 | dried up | | | | |
| 2/26/2006 | dried up | | | | |
| 3/27/2006 | dried up | | | | |
| 4/26/2006 | <10 | 7.2 | 4.7 | 41.8 | 21.0 |
| 5/25/2006 | | 8.18 | 5.9 | 83.7 | 28.9 |
| 6/29/2006 | dried up | | | | |
| 7/31/2006 | dried up | | | | |
| 8/20/2006 | dried up | | | | |
| 9/7/2006 | dried up | | | | |
| 10/30/2006 | dried up | | | | |
| 11/27/2006 | dried up | | | | |
| 12/26/2006 | dried up | | | | |
| 1/31/2007 | dried up | | | | |
| 2/19/2007 | dried up | | | | |
| 3/29/2007 | dried up | | | | |
| 4/25/2007 | dried up | | | | |
| 5/29/2007 | dried up | | | | |
| 6/25/2007 | dried up | | | | |
| 7/30/2007 | dried up | | | | |
| 3/25/2008 | snow | | | | |
| 6/16/2008 | 2 | 7.31 | 5 | 44.1 | 23.5 |
| 8/26/2008 | dried up | | | | |
| 10/29/2008 | dried up | | | | |
| 6/23/2010 | dried up | | | | |
| 9/28/2010 | dried up | | | | |
| 12/1/2010 | snow | | | | |
| 2/24/2011 | snow | | | | |

*The sample collected at Eagle Spring in May 2005 was mislabeled "Eagle Springs" and analytic data are labeled accordingly. Data labeled Eagle Spring & Eagle Springs represent samples collected at the same location. This same spring was later mislabeled Miller Spring

Carbon Resources LLC

Kinney II Baseline Water Sampling
Ground Water Field Measurements

Angle Spring

Elevation: ~7,940

Revised Feb. 2011

| Date | Estimated Flow (gpm) | pH | Dissolved Oxygen (ppm) | Specific Conductivity (Us) | Temp (C) |
|------------|----------------------|------------|------------------------|----------------------------|------------|
| 9/6/2005 | 0.25 | 7.4 | 3.7 | 358 | 22.0 |
| 10/31/2005 | 0.33 | 6.0 | 4.7 | 519 | 10.6 |
| 11/28/2005 | 0.35 | 6.5 | 4.7 | 428 | 22.2 |
| 12/22/2005 | 0.35 | 5.2 | 3.9 | 512 | 11.6 |
| 1/22/2006 | 0.31 | 4.4 | 8.4 | 469 | 8.9 |
| 2/26/2006 | | 8.3 | 4.7 | 385 | 14.7 |
| 3/27/2006 | 0.35 | 7.0 | | 670 | ~10.0 |
| 4/26/2006 | 0.75 | 7.3 | 5.1 | 361 | 18.0 |
| 5/25/2006 | 1.00 | 6.0 | 3.8 | 492 | 20.5 |
| 6/29/2006 | | 7.5 | 6.3 | 522 | 20.9 |
| 7/31/2006 | 1.25 | 7.2 | 3.7 | 410 | 29.9 |
| 8/20/2006 | 1.03 | 7.3 | 3.5 | 156 | 22.3 |
| 9/7/2006 | 0.86 | lab | 4 | 387 | 18.5 |
| 10/30/2006 | not measured | | | | |
| 11/27/2006 | not measured | | | | |
| 12/26/2006 | not measured | | | | |
| | ACCESS DEINIED | | | | |

NOTE: Bolded values measured in March 2006 were analyzed at the laboratory. Specific conductivity values were actually measured as conductivity.

Carbon Resources LLC

Kinney II Baseline Water Sampling
Ground Water Field Measurements

Aspen Spring

Elevation: ~8,360

Revised April. 2011

| Date | Estimated Flow (gpm) | pH | Dissolved Oxygen (ppm) | Specific Conductivity (Us) | Temp (C) |
|------------|----------------------------|------|------------------------------|----------------------------------|------------|
| 11/12/2007 | no flow* | | | | |
| 3/25/2008 | snow | | | | |
| 6/16/2008 | low flow** | 8.69 | 2.2 | 190 | 29.8 |
| 8/26/2008 | not meas | 7.91 | 4 | 496 | 32.8 |
| 10/29/2008 | low flow** | 7.14 | 3.7 | 541 | 5.7 |
| 6/23/2010 | not meas | 12 | 20.4 | 295 | 24.6 |
| 9/28/2010 | nearly dry | 9.33 | | 419 | 14.6 |
| 12/1/2010 | snow | | | | |
| 2/24/2011 | snow | | | | |

* no flow = upper bank of pond is dry

**low flow = upper bank of pond is soggy

Italicized Values are SUSPECT

Memorandum

Date: 20 April 2011
To: Greg Hunt – Carbon Resources
From: Brad Lindsay
Subject: Aspen Spring Flow Data

This memo is in response to your request for flow data at the sample location “Aspen Spring” in Eagles Canyon east of Scofield, Utah. It was previously designated “Eagle Pond 1” in the spring and seep survey conducted in June 2006. Below is a photo of the pond taken during the spring and seep survey, which was inadvertently omitted from the spring and seep survey report. It appears that someone made an embankment to catch flow from a spring to provide water for animals. The pond sits west of the road and east of the drainage bottom. If any water were to flow down the canyon it would pass to the west of the pond. It is positioned to catch runoff water from only a small area. The water is considered spring water because the pond does not dry up completely even in the summer.

Aspen Spring has been visited nine times, in addition to the Spring and Seep Survey, and water samples have been collected six times. The pond was snow covered the other three visits. Quantitative flow measurements have not been collected because it is unclear where water enters into the pond. No visible stream or spring flows into it and water has never been observed to top the berm and flow out. The upper bank, south east side of the pond, is sometimes wet. Uphill to the south the top of an old buried pipe is exposed. This may be carrying water to the bottom of the pond although I never observed either end of the pipe, just the short exposed section uphill from the pond.

This location was selected for sampling because the ponding results in enough water to sample. The other nearby seeps do not appear to produce enough water to collect an adequate sample. Pond 2 was not chosen as the sample location because it is larger, holding water that might not be as representative of spring water, and the recharge is not visible. Both ponds and the nearby seeps appear to be basically in line and all part of one system.

I reviewed my field notes from when I was at the site collecting water samples. Generally I did not make any notes regarding flow of the spring because the flow is not observable.

There were four dates when I did make notes of conditions at the pond.

- November 12, 2007 I noted that there is no visible flow. The upper bank was dry.
- June 16, 2008 I noted low flow. The upper bank of the pond was soggy.
- October 29, 2008 I noted low flow. The upper bank of the pond was soggy.
- September 28, 2010 I noted that the pond was nearly dry.



View of Aspen Spring (AKA Eagle Pond 1) looking north northwest. June 6, 2006

ESTIMATE OF ASPEN SPRINGS FLOW

Assumptions

1. No Surface Outflow from Spring
2. Spring is approx 20' in diameter
3. Evap can be estimated from Pan Evap data (Class A Pan)
4. Source of water is subsurface, therefore, seepage is minimal
5. Peak flow occurs in June
6. Scofield pan data is applicable - 1948-1991 June Evap = 7.84"
7. Wildlife also drink water based on Trail Evidence

Assume the following users

| User | # | Qty @ | Total |
|-------|----|---------|--------------------|
| Elk | 5 | 0.0036 | 0.018 |
| Deer | 10 | 0.0014 | 0.014 |
| Other | 50 | 0.00084 | 0.042 |
| | | | <u>0.084 ac-ft</u> |

8. Water Level stays the same in June
9. Aspen Spring is 20' in diameter, approximated by a circle
10. Aspen Spring is not heavily used by large animals due to the lack of Muddy hoof print damage. (ie: livestock)

Calc July flow (31 days)

$$\text{Animals } 0.084 \text{ ac-ft} = 3659 \text{ ft}^3 / 12 = 305 \text{ ft}^3$$

Evaporation

$$\frac{7.84"}{12} = 0.653 \text{ ft}$$

$$\text{Area} = \frac{\pi}{4} (20')^2 = 314 \text{ ft}^2$$

$$\text{Vol} = 314 * 0.653 = 205 \text{ ft}^3 \text{ (85,794 gal)}$$

$$\text{V}_{\text{TOTAL}} = 305 + 205 = 510 \text{ ft}^3 \text{ (213,440 gal)}$$

$$\text{Total Flow} = \frac{213,440 \text{ gal}}{31 \text{ d} * \frac{24 \text{ hr}}{\text{d}} * \frac{60 \text{ min}}{\text{hr}}} = 4.78 \text{ gpm}$$

$$\text{Evap Flow} = \frac{85,794}{31(24) \text{ (60)}} = 1.9 \text{ gpm}$$

Flow Range - 2-5 gpm

However, flows are most likely in the 2-5 gpm range since without constant animal demand would result in daily fluctuations.

UTAH

MONTHLY AVERAGE PAN EVAPORATION (INCHES)

| PERIOD | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|-----------|------|------|------|------|-------|-------|-------|-------|------|------|------|------|-------|
| 1980-2005 | 0.00 | 0.00 | 0.00 | 7.44 | 9.81 | 12.33 | 12.94 | 11.15 | 8.16 | 4.73 | 0.00 | 0.00 | 66.56 |
| 1969-1996 | 0.00 | 0.00 | 0.00 | 6.27 | 10.17 | 12.59 | 13.86 | 12.29 | 7.83 | 4.89 | 0.00 | 0.00 | 67.90 |
| 1948-1984 | 0.00 | 0.00 | 0.00 | 4.80 | 7.21 | 8.66 | 10.46 | 9.30 | 6.13 | 3.27 | 1.27 | 0.00 | 51.10 |
| 1971-1978 | 0.00 | 0.00 | 0.00 | 0.00 | 6.86 | 7.86 | 8.07 | 7.21 | 5.30 | 0.00 | 0.00 | 0.00 | 35.30 |
| 1948-2005 | 0.00 | 0.00 | 0.00 | 0.00 | 7.33 | 6.35 | 9.25 | 8.62 | 4.63 | 2.97 | 0.00 | 0.00 | 39.15 |
| 1948-2005 | 0.00 | 0.00 | 0.00 | 5.20 | 5.66 | 8.06 | 6.58 | 6.39 | 5.49 | 3.53 | 0.00 | 0.00 | 40.91 |
| 1960-2005 | 0.00 | 0.00 | 0.00 | 7.02 | 10.70 | 12.90 | 15.92 | 13.58 | 9.92 | 5.84 | 0.00 | 0.00 | 75.88 |
| 1957-2005 | 0.00 | 0.00 | 0.00 | 0.00 | 6.23 | 8.74 | 9.71 | 8.62 | 5.76 | 3.94 | 0.00 | 0.00 | 43.00 |
| 1894-2005 | 0.00 | 0.00 | 0.00 | 5.16 | 7.41 | 8.61 | 9.06 | 7.98 | 5.57 | 3.25 | 0.00 | 0.00 | 47.04 |
| 1893-2005 | 0.00 | 0.00 | 0.00 | 6.07 | 8.07 | 9.29 | 9.49 | 7.97 | 5.74 | 3.52 | 1.60 | 0.00 | 51.75 |
| 1956-1990 | 0.00 | 0.00 | 0.00 | 5.10 | 7.23 | 8.70 | 9.65 | 8.26 | 6.03 | 3.81 | 0.00 | 0.00 | 48.78 |
| 1949-1962 | 0.00 | 0.00 | 0.00 | 7.84 | 11.74 | 14.14 | 14.01 | 12.44 | 8.34 | 4.86 | 1.94 | 0.00 | 75.31 |
| 1950-1978 | 0.00 | 0.00 | 0.00 | 4.01 | 5.98 | 7.05 | 8.37 | 7.50 | 5.02 | 2.92 | 0.00 | 0.00 | 40.85 |
| 1969-2005 | 0.00 | 0.00 | 3.30 | 4.57 | 6.57 | 8.48 | 10.05 | 8.93 | 5.88 | 3.51 | 0.00 | 0.00 | 51.29 |
| 1952-2005 | 0.00 | 0.00 | 0.00 | 0.00 | 7.31 | 8.66 | 9.83 | 8.37 | 6.50 | 4.63 | 0.00 | 0.00 | 45.30 |
| 1948-2005 | 0.00 | 0.00 | 6.31 | 8.45 | 11.99 | 14.42 | 14.87 | 12.48 | 9.37 | 5.52 | 2.25 | 0.00 | 85.66 |
| 1906-2005 | 0.00 | 0.00 | 0.00 | 7.47 | 10.22 | 13.54 | 15.47 | 13.24 | 9.88 | 6.16 | 2.32 | 0.00 | 78.30 |
| 1889-2005 | 0.00 | 0.00 | 4.19 | 7.29 | 10.41 | 12.03 | 12.72 | 10.75 | 7.66 | 4.25 | 2.26 | 0.00 | 71.56 |
| 1948-2005 | 0.00 | 0.00 | 0.00 | 4.94 | 6.96 | 7.30 | 9.07 | 8.01 | 6.15 | 3.74 | 0.00 | 0.00 | 46.17 |
| 1948-1971 | 0.00 | 0.00 | 0.00 | 0.00 | 7.91 | 9.98 | 10.13 | 8.40 | 6.98 | 4.60 | 0.00 | 0.00 | 48.00 |
| 1948-1953 | 0.00 | 0.00 | 2.91 | 6.03 | 6.83 | 8.62 | 8.88 | 8.36 | 6.09 | 3.41 | 0.00 | 0.00 | 51.13 |
| 1980-2005 | 0.00 | 0.00 | 2.59 | 4.71 | 6.81 | 8.77 | 9.85 | 8.70 | 5.59 | 2.92 | 0.00 | 0.00 | 49.94 |
| 1952-1977 | 0.00 | 0.00 | 0.00 | 4.38 | 5.94 | 7.53 | 8.32 | 7.58 | 5.40 | 3.21 | 1.53 | 0.00 | 43.89 |
| 1862-2005 | 0.00 | 0.00 | 4.57 | 7.36 | 10.08 | 12.22 | 13.17 | 11.55 | 8.22 | 4.83 | 2.68 | 0.00 | 74.68 |
| 1956-1991 | 0.00 | 0.00 | 3.66 | 6.20 | 9.19 | 11.88 | 14.40 | 12.67 | 8.58 | 4.86 | 2.32 | 0.00 | 73.76 |
| 1948-1991 | 0.00 | 0.00 | 0.00 | 0.00 | 5.52 | 7.84 | 8.29 | 6.94 | 5.13 | 3.90 | 0.00 | 0.00 | 37.62 |
| 1987-1993 | 0.00 | 0.00 | 2.93 | 6.33 | 13.52 | 16.06 | 18.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57.16 |
| 1956-1977 | 0.00 | 0.00 | 0.00 | 0.00 | 5.82 | 7.28 | 7.87 | 7.31 | 5.08 | 3.02 | 0.00 | 0.00 | 36.38 |
| 1928-2003 | 0.00 | 0.00 | 2.77 | 5.19 | 7.11 | 8.80 | 9.61 | 8.58 | 6.10 | 3.81 | 1.42 | 0.00 | 53.39 |
| 1928-2005 | 0.00 | 0.00 | 0.00 | 5.07 | 6.41 | 7.48 | 6.64 | 6.34 | 4.89 | 2.92 | 0.00 | 0.00 | 39.75 |
| 1955-2005 | 0.00 | 0.00 | 0.00 | 0.00 | 6.09 | 6.79 | 7.41 | 6.59 | 4.79 | 3.19 | 0.00 | 0.00 | 34.86 |

Class A Pan Coeff = 0.70 - 0.75 (INSTR TO HYDROLOGIST)
 Annual Evap for Scofield Dams = 37.412" = 3.135'

$A = \frac{\pi(4)^2}{4} = 12.56 \text{ ft}^2$
 3.135' * 0.70 (Lower due to Warded Loc) = 2.1945'

NOTE: data from www.wrcc.dri.edu/htmlfiles/watersev, fuel, htm#UTAH

STOCKWATERING: The diversion figures for this purpose are based on year-round watering. Stock operations for lesser or intermittent periods would need adjustment accordingly. Water diverted for this use is generally considered to be 100% depleted by the animal, evaporation, phreatophytes, and/or waste water collection.

| | | |
|---|-----------|-----------|
| cow or horse | 0.028 | acre-foot |
| sheep, goat, swine, moose, or elk | * 0.0056 | acre-foot |
| ostrich or emu | 0.0036 | acre-foot |
| llama | 0.0022 | acre-foot |
| deer, antelope, bighorn sheep, or mt. goat | * 0.0014 | acre-foot |
| chicken, turkey, chukar, sagehen, or pheasant | * 0.00084 | acre-foot |
| mink or fox (caged) | 0.00005 | acre-foot |

Note: Copied from Utah Division of Water Rights Web Site

Carbon Resources LLC

Kinney II Baseline Water Sampling
Ground Water Field Measurements

Sulfur Spring *

Elevation: **~7,670**

Revised Feb. 2011

| Date | Estimated Flow (gpm) | pH | Dissolved Oxygen (ppm) | Specific Conductivity (Us) | Temp (C) |
|------------|----------------------|-------------|------------------------|----------------------------|------------|
| 5/11/2005 | 73 | 6.8 | 0.7 | 603 | 13.6 |
| 9/6/2005 | 32 | 7.2 | 2.4 | 559 | 15.9 |
| 10/31/2005 | 90 | 5.7 | 2.6 | 541 | 13.2 |
| 11/28/2005 | 76 | 5.9 | 3.9 | 561 | 11.9 |
| 12/22/2005 | 69 | 5.6 | 3.5 | 490 | 17.4 |
| 1/22/2006 | 69 | 7.6 | 1.3 | 410 | 14.7 |
| 2/26/2006 | 69 | 8.1 | 4.3 | 383 | 23.9 |
| 3/27/2006 | 90 | 7.4 | | 710 | ~14.0 |
| 4/26/2006 | 64 | 7.0 | 1.2 | 413 | 23.4 |
| 5/25/2006 | 79 | 7.5 | 2.4 | 503 | 28.2 |
| 6/29/2006 | 69 | 7.5 | 2.9 | 550 | 25.1 |
| 7/31/2006 | 74 | 7.3 | 2.0 | 446 | 24.1 |
| 8/20/2006 | 72 | 7.3 | 2.3 | 169 | 24.1 |
| 9/7/2006 | 86 | lab | 2.2 | 473 | 22.0 |
| 10/30/2006 | 80 | 7.3 | 4.0 | 384 | 22.2 |
| 11/27/2006 | 90 | 7.0 | 1.8 | 389 | 20.0 |
| 12/26/2006 | 90 | 7.0 | 3.0 | 538 | 20.0 |
| 1/31/2007 | 90 | 7.0 | 5.1 | 682 | 17.4 |
| 2/19/2007 | 88 | 7.0 | 4.1 | 473 | 21.5 |
| 3/29/2007 | 72 | 7.4 | 4.4 | 544 | 21.7 |
| 4/25/2007 | 90 | 7.3 | 7.0 | 557 | 23.4 |
| 5/29/2007 | 91 | 7.4 | 5.5 | 523 | 22.8 |
| 6/25/2006 | 86 | 7.3 | 2.4 | 615 | 27.5 |
| 7/30/2007 | 136 | 7.3 | 4.0 | 507 | 22.7 |
| 3/25/2008 | 93 | 6.8 | 2.2 | 973 | 21.9 |
| 6/16/2008 | 93 | 7.7 | 1.9 | 341 | 31.4 |
| 8/26/2008 | 127 | 7.1 | 2.5 | 646 | 27.5 |
| 10/29/2008 | 88 | 7.3 | 4.4 | 595 | 17.1 |
| 6/23/2010 | 82 | <i>12.0</i> | <i>14.6</i> | 423 | 17.4 |
| 9/28/2010 | 75 | 7.4 | | 715 | 14.8 |
| 12/1/2010 | 93 | 6.3 | | 714 | 13.8 |
| 2/24/2011 | 83 | 6.3 | | 710 | 13.7 |

NOTE: Bolded values measured in March 2006 were analyzed at the laboratory. Specific conductivity values were actually measured as conductivity.

*Samples collected at Sulfur Spring have occasionally been mislabeled "Sulfur Springs", "Sulfer Spring", & "Sulfer Springs". From May 2005 to Nov 2006 sample names varied. From Dec 06 to present, samples have been labeled Sulfur Spring. Analytic data are Labeled accordingly. Data labeled Sulfur Spring, Sulfur Springs, Sulfer Spring, & Sulfer Springs represent samples collected at the same location.

Italicized Values are SUSPECT

Carbon Resources LLC
 Kinney II Baseline Water Sampling
 Ground Water Field Measurements

CR-06-02

DEPTH DATUM : Top of PVC completion string
 DEPTH DATUM ELEVATION: 8,339.55
 Ground Level Elevation: 8,336.7 (Depths in blue are from Ground Level)
 Screened Interval Depth: 422.7 432.7
 Screened Interval Elevation: 7,914.0 7,904.0
 Blank Interval Depth: 432.72 442.72
 Blank Interval Elevation: 7,904.0 7,894.0
 Hiawatha Seam Interval Depth: 428 437
 Hiawatha Seam Interval Elevation: 7908.67 7899.67

| Date | Water Level Depth from DATUM (ft) | Water Level Elevation (ft) | pH | Dissolved Oxygen (ppm) | Specific Conductivity (Us) | Temp (C) |
|------|---|----------------------------------|----|------------------------------|----------------------------------|----------|
|------|---|----------------------------------|----|------------------------------|----------------------------------|----------|

No water encountered during drilling.

| | | | | | | |
|------------|--------------|---------|--|--|--|--|
| 3/8/2006 | 437.0 | 7,902.6 | | | | |
| 4/26/2006 | 437.1 | 7,902.5 | | | | |
| *5/25/2006 | 441.4 | 7,898.2 | | | | |
| 6/29/2006 | 438.3 | 7,901.3 | | | | |
| 7/19/2006 | 438.1 | 7,901.5 | | | | |
| 8/20/2006 | 438.4 | 7,901.2 | | | | |
| 9/7/2006 | 439.0 | 7,900.6 | | | | |
| 10/30/2006 | 437.6 | 7,902.0 | | | | |
| 11/27/2006 | 439.3 | 7,900.3 | | | | |
| 12/26/2006 | 439.3 | 7,900.3 | | | | |
| 1/31/2007 | 439.7 | 7,899.9 | | | | |
| 2/19/2007 | 439.9 | 7,899.7 | | | | |
| 3/29/2007 | 439.3 | 7,900.3 | | | | |
| 4/25/2007 | 439.9 | 7,899.7 | | | | |
| 5/29/2007 | 440.1 | 7,899.5 | | | | |
| 6/25/2007 | not measured | | | | | |
| 7/30/2007 | not measured | | | | | |
| 11/12/2007 | 442.3 | 7,897.3 | | | | |
| 3/25/2008 | snow covered | | | | | |
| 6/16/2008 | 442.2 | 7,897.4 | | | | |
| 8/26/2008 | 442.7 | 7,896.9 | | | | |
| 10/29/2008 | 442.7 | 7,896.9 | | | | |
| 6/23/2010 | 442.7 | 7,896.9 | | | | |
| 9/28/2010 | 442.7 | 7,896.9 | | | | |
| 12/1/2010 | 441.7 | 7,897.9 | | | | |
| 3/3/2011 | 443.2 | 7,896.4 | | | | |

Note all water levels are
 Below the Screened Interval
 therefore are in the closed "blank"
 and do not represent a
 static ground water level
 as confirmed by downhole video
 and multiple TD (Total Depth)
 soundings.

Revised 4 March 2011
 Following Downhole Video
 and TD Sounding.

Tagged bottom of Blank @ 445.6
 Elev= 7,894

* Measurement on 5-25-06 is suspect

Bond Amount

Bonding Calculations

Direct Costs

| | |
|---|--------------------|
| Subtotal Demolition & Removal | \$954,000 |
| Subtotal Earthwork - Backfill and Grading | \$545,685 |
| Subtotal Revegetation | \$102,606 |
| Subtotal Direct Costs | \$1,602,291 |

Indirect Costs

| | | |
|--------------------------------|--------------------|--------|
| Mobilization /Demobilization | \$160,229 | 10% |
| Contingencies | \$80,115 | 5.00% |
| Engineering Redesign | \$40,057 | 2.50% |
| Main Office Expense | \$108,956 | 6.80% |
| Project Management Fee | \$40,057 | 2.50% |
| Subtotal Indirect Costs | \$429,414 | 26.80% |
| Total Costs | \$2,031,705 | |

| | | |
|--|--------------------|-------|
| Escalation | | 0.004 |
| No. of Years | | 5 |
| Escalation | \$40,960 | |
| Reclamation Cost Escalated (2016) | \$2,072,665 | |
| Reclamation Cost Rounded to Nearest \$1000 | \$2,073,000 | |
| Bond Amount In 2011 Dollars + 15% | \$2,383,950 | |
| Difference Between Cost Estimate and Bond | \$310,950 | |

5/7/2011

| Ref. | Description | Materials | Means Line Number | Unit Cost | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Time | Number | Unit | Swell Factor | Quantity | Unit | Cost |
|------|--|---|-------------------|-----------|------|--------|-------|--------|----------|------|--------|--------|---------|------|--------|------|--------------|----------|------|-----------|
| 01 | Shop Warehouse Steel Bldg. | | | | | | | | | | | | | | | | | | | |
| | Structure's Demolition Cost | Steel Bld. Large | 024116130020 | 0.32 | /CF | 175 | 75 | 32 | | | | | | | | | | 420000 | CF | \$134,400 |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | 0.35 | 5444 | CY | |
| | Rubble's Weight (exclude steel) | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non Steel - ECDC | Building materials-sht rock & etc. | ECDC | 10.1 | ton | 175 | 75 | 32 | | | | | 1 | | Ton | 0.03 | 163 | | | \$1,650 |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck | 2 Trips/Day, 79 mi. rd. trip = 289 Trips | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck Drive | 5444 CY (7240 tons) 4 axle, 25 ton, 18 CY | 015433205310 | | 12 | CY | | | | | | | | | | | | 12 | CY | \$65,328 |
| | Disposal at Salvage Yard | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$201,378 |
| | Equipment 's Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Dismantling Cost | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Costs | | | | | | | | | | | | | | | | | | | |
| | Transport Costs | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | Concrete demolition | 015433200320 | 10 | /CY | 175 | 25 | 0.5 | | | | | | | | | 1.3 | 105 | CY | \$1,050 |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | Front end loader 3 1/4 CY | 015433204530 | 1.5 | /CY | 175 | 25 | 0.5 | | | | | | | | | 1.3 | 105 | CY | \$158 |
| | Concrete foundation on site at toe of cuts | Concrete 95 tons/25 ton/load=4 loads | 015433205550 | 1068 | day | | | | | | | | | | | | | 95 | Ton | \$1,066 |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$2,274 |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | \$203,652 |

| Ref. | Description | Materials | Means Reference Number | Unit Cost | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Time | Number | Unit | Swell Factor | Quantity | Unit | Cost | | |
|------|--|--|------------------------|-----------|------|--------|-------|--------|----------|------|--------|--------|---------|------|--------|------|--------------|----------|-------|------|---------|---------|
| 02 | Ventilation Fan | | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demolition Cost | Steel Bld. Large | 024116130020 | 0.32 | /CF | 60 | 20 | 12 | | | | | | | | | | | 14400 | CF | \$4,608 | |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | | 0.35 | 187 | CY | | |
| | Rubble's Weight (exclude steel) | | | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Truck | | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Drive | | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non Steel ECDC | | | | | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck | 2 Trips/Day, 79 mi. rnd. trip = 11 Trips | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck Drive | 187 CY (291 tons) 4 axle, 25 ton, 18 CY | 015433205310 | | 12 | CY | | | | | | | | | | | | | | 12 | CY | \$2,244 |
| | Disposal at Salvage Yard | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | | \$6,852 |
| | Equipment 's Disposal Cost | | | | | | | | | | | | | | | | | | | | | |
| | Dismantling Cost | | | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Vol. Demolished | | | | | | | | | | | | | | | | | | | | | |
| | Loading Costs | | | | | | | | | | | | | | | | | | | | | |
| | Transport Costs | | | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | Concrete demolition | 015433200320 | 10 | /CY | 60 | 20 | 2 | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | Front end loader 3 CY | 015433204530 | 1.5 | /CY | | | | | | | | | | | | | | | | | |
| | Conc foundation on site at toe of cuts | Concrete 119 tons/25 ton/load = 5 loads | 015433205550 | 1068 | Day | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | | \$2,130 |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | | | \$8,982 |

| Ref. | Description | Materials | Means Reference Number | Unit Cost | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Time | Number | Unit | Swell Factor | Quantity | Unit | Cost |
|------|--|--|------------------------|-----------|------|--------|-------|--------|----------|------|--------|--------|---------|------|--------|------|--------------|----------|------|----------|
| 05 | Electrical Substation | | | | | | | | | | | | | | | | | | | |
| | Structure's Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Rubble's Weight (exclude steel) | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non Steel | | | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Steel Structure | Steel Removal | 024116130020 | 0.32 | /CF | 25 | 25 | 12 | | | | | | | | | | 7500 | CF | \$2,400 |
| | | | | | | | | | | | | | | | | | 0.35 | 97 | CY | |
| | Transformer | Electrical equipment heavy | 026050510157 | 1350 | Ea | | | | | | | | | | 2 | EA | | | | \$2,700 |
| | Wire and ducting | Wire and ducting removal | 020505100720 | 30 | /LF | 200 | | | | | | | | | | LF | | 200 | LF | \$6,000 |
| | Aerial Wire | Wire Removal | 260505101990 | 64 | /LF | 150 | | | | | | | | | | LF | | 150 | LF | \$9,600 |
| | Chain Link Fence | Chain link remove 8'-10' | 024113620675 | 3.8 | /LF | 120 | | | | | | | | | | LF | | 120 | LF | \$456 |
| | | 2 Trips/Day, 79 mi. rnd. trip = | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck | 97 CY (173 tons) 4 axle, 25 ton, 18 CY | 015433205310 | 12 | CY | | | | | | | | | | | | | | 12 | CY |
| | Transportation Cost Steel Truck Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal at Salvage Yard | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$22,320 |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | Concrete demolition | 015433200320 | 10 | /CY | 25 | 25 | 0.67 | | | | | | | | | | | 16 | CY |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | 1.3 | 21 | CY | \$160 |
| | Loading Cost | Front end loader 3 CY | 015433204530 | 1.5 | /CY | | | | | | | | | | | | | | 21 | CY |
| | Concrete foundation on site at toe of cuts | Concrete 290 tons/25 ton/load=11.6 loads | 015433205550 | 1066 | day | | | | | | | | | | | | | | 21 | CY |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$22,578 |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | \$44,898 |

| Ref. | Description | Materials | Means Reference Number | Unit Cost | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Time | Number | Unit | Swell Factor | Quantity | Unit | Cost |
|------|--|---------------------------------------|------------------------|-----------|------|--------|-------|--------|----------|------|--------|--------|---------|------|--------|------|--------------|----------|------|----------|
| 06 | Power Poles | | | | | | | | | | | | | | | | | | | |
| | Structure's Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Rubble's Weight (exclude steel) | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non Steel | | | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Remove wire | Wire Removal | Soldier Creek | 4.81 | LF | 1800 | | | | | | | | | | | | 1800 | LF | \$8,658 |
| | Remove conduit (use wire) | Wire Removal | Soldier Creek | 4.81 | LF | 90 | | | | | | | | | | | | 90 | LF | \$433 |
| | Remove Fixtures (use poles) | Powerpole 3600'/300'= 12 poles | | 150 | EA | | | | | | | | | | 12 | EA | | 12 | EA | \$1,800 |
| | Remove Poles | Powerpole | | 150 | EA | | | | | | | | | | 12 | EA | | 12 | EA | \$1,800 |
| | | 2 Trips/Day, 79 mi. rd. trip = 1 Trip | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck & Poles | 12 EA (20 tons) 4 axle, 25 ton, 18 CY | 015433205310 | 652 | Day | | | | | | | | | | | | | 1 | Day | \$652 |
| | Disposal Costs Poles | ECDC | ECDC | 150 | EA | | | | | | | | | | 12 | EA | | 12 | EA | \$1,800 |
| | Disposal at Salvage Yard Wire & Hardware | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$15,143 |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | \$15,143 |

| Ref. | Description | Materials | Means Reference Number | Unit Cost | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Time | Number | Unit | Swell Factor | Quantity | Unit | Cost |
|------|---------------------------------------|--|------------------------|-----------|------|--------|-------|--------|----------|------|--------|--------|---------|------|--------|------|--------------|----------|------|----------|
| 08 | Portals | | | | | | | | | | | | | | | | | | | |
| | Structure's Demolition Cost | Seal Portals - backfill incl. in earthwork | AML1 | 5200 | EA | | | | | | | | | | 5 | EA | | 5 | EA | \$26,000 |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Rubble's Weight (exclude steel) | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non Steel | | | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$26,000 |
| | Equipment 's Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Dismantling Cost | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Costs | | | | | | | | | | | | | | | | | | | |
| | Transport Costs | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | \$26,000 |

| Ref. | Description | Materials | Means Reference Number | Unit Cost | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Time | Number | Unit | Swell Factor | Quantity | Unit | Cost |
|------|---------------------------------------|---|------------------------|-----------|------|--------|-------|--------|----------|------|--------|----------|---------|------|--------|------|--------------|----------|------|----------|
| 11 | Mine Belt 11 (MB1) | 120' long | | | | | | | | | | 300LB/Ft | | | | | | | | |
| | Structure's Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Rubble's Weight (exclude steel) | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non Steel | | | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Dismantling Cost | 300LB/LF X 120/2000LF/TON=18 tons | | 620/ton | | | | | | | | 300LB/LF | | | | Ton | | 18 | Ton | \$11,160 |
| | Equipment 's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck | 2 Trips/Day, 79 mi. rd. Trip = 25 Trips | | | | | | | | | | | | | | | | | | |
| | Disposal at Salvage Yard | 466 CY (620 tons) 4 axle, 25 ton, 18 CY | 015433205310 | | 12 | CY | | | | | | | | | | | | 12 | CY | \$5,592 |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$16,752 |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | \$16,752 |

| Ref. | Description | Materials | Means Reference Number | Unit Cost | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Number | Unit | Swell Factor | Quantity | Unit | Cost | |
|------|---------------------------------------|--|------------------------|-----------|------|--------|-------|--------|----------|------|--------|--------|---------|--------|------|--------------|----------|------|---------|---------|
| 13 | Stacking Tubes 2 Ea | | | | | | | | | | | | | | | | | | | |
| | Structure's Demolition Cost | Steel Struc. 8' Dia X 55' high = 2765 CF x 2 | 024116130020 | 0.32 | CF | | | | 55 | 96" | | | | | | | 5530 | CF | \$1,770 | |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | 72 | CY | | |
| | Rubble's Weight (exclude steel) | | | | | | | | | | | | | | | 0.35 | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non Steel | | | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck | 2 Trips/Day, 79 mi. rd. trip = 4 Trips | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck Drive | 72 CY (96 tons) 4 axle, 25 ton, 18 CY | 015433205310 | | 12 | CY | | | | | | | | | | | 12 | CY | 864 | |
| | Disposal at Salvage Yard | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Dismantling Cost | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Costs | | | | | | | | | | | | | | | | | | | |
| | Transport Costs | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | \$1,317 |

| Ref. | Description | Materials | Means Reference Number | Unit Cost | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Time | Number | Unit | Swell Factor | Quantity | Unit | Cost |
|------|---------------------------------------|---|------------------------|-----------|------|--------|-------|--------|----------|------|--------|----------|---------|------|--------|------|--------------|----------|------|---------|
| 14 | Conveyors SB-1, SB-2, SB-3 & SB-4 | 1170' Long | | | | | | | | | | | | | | | | | | |
| | Structure's Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Rubble's Weight (exclude steel) | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non Steel | | | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal at Salvage Yard | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Dismantling Cost | 300lb/LF X 1170'/2000LF/TON=176 tons | | | 620 | Ton | | | | | | 300LB/LF | | | | | | 176 | Ton | 108,500 |
| | Equipment 's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck | 2 Trips/Day, 79 mi. rd. Trip = 7 Trips | | | | | | | | | | | | | | | | | | |
| | Disposal at Salvage Yard | 132 CY (175 tons) 4 axle, 25 ton, 18 CY | 015433205310 | | 12 | CY | | | | | | | | | | | | 12 | CY | 1,584 |
| | Subtotal | | | | | | | | | | | | | | | | | | | 110,084 |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | 110,084 |

| Ref. | Description | Materials | Means Reference Number | Unit Cost | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Time | Number | Unit | Swell Factor | Quantity | Unit | Cost | |
|------|-------------------------------------|--|------------------------|-----------|------|--------|-------|--------|----------|------|--------|--------|---------|------|--------|--------|--------------|----------|------|---------|----------|
| 15 | Fueling Facility | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demolition Cost | Concrete Containment Structure | 024113880050 | 0.42 | /CF | 50 | 20 | 6 | | | | | | | | | | 6000 | CF | \$2,520 | |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | | 0.35 | 78 | CY | |
| | Rubble's Weight (exclude steel) | | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | | |
| | Haulage | 12 CY (16 Ton) Dump Truck 79 mi rd trip | 312323180310 | 3.4 | /CY | | | | | | | | | | | | | | 78 | CY | \$265 |
| | Transportation Cost Non Steel Truck | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Drive | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non Steel | ECDC | | 10 | /TON | | | | | | | | | 1 | | Ton/CY | | | 78 | Ton | \$780 |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$3,565 |
| | Tank | | | | | | | | | | | | | | | | | | | | |
| | Dismantling Cost including piping | 5000 gal to 10000 gal tank | 130505750530 | 1000 | Ea. | | | | | | | | | | | 3 | Ea | | 3 | EA | \$3,000 |
| | Loading Costs | | | | | | | | | | | | | | | | | | | | |
| | Transport Costs Including piping | 5000 gal to 10000 gal tank | 015433205250 | 309 | Day | | | | | | | | | | | 3 | | | 3 | EA | \$927 |
| | Disposal Costs | 5000 gal to 10000 gal tank | ECDC | 325 | Ea. | | | | | | | | | | | 3 | | | 3 | EA | \$975 |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$4,902 |
| | Slab Apron | | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | Concrete demolition | 024003334300 | 51.1 | /CY | 50 | 20 | 0.5 | | | | | | | | | | | 19 | CY | \$971 |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | 1.3 | 25 | CY | |
| | Loading Cost | Front end loader 3 1/4 CY | 015433204530 | 1.6 | /CY | | | | | | | | | | | | | | 25 | CY | \$40 |
| | | 12 CY (16 Ton) Dump Truck 1/2 mi. rd. trip | 312323180310 | 3.3 | /CY | | | | | | | | | | | | | | 25 | CY | \$83 |
| | On site Disposal | On site disposal at toe of cut | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$1,094 |
| | Footings | | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | Concrete demolition | 024003334300 | 51.1 | /CY | 50 | 20 | 1 | | | | | | | | | | | 37 | CY | \$1,891 |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | 1.3 | 48 | CY | |
| | Loading Cost | Front end loader 3 CY | 015433204530 | 1.6 | /CY | | | | | | | | | | | | | | 48 | CY | \$77 |
| | | 12 CY (16 Ton) Dump Truck 1/2 mi. rd. trip | 312323180310 | 3.3 | /CY | | | | | | | | | | | | | | 48 | CY | \$158 |
| | On site Disposal | On site disposal at toe of cut | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$2,126 |
| | Slab | | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Walls | | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | | \$11,687 |

| Ref. | Description | Materials | Means Reference Number | Unit Cost | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Time | Number | Unit | Swell Factor | Quantity | Unit | Cost | | |
|------|--|--|------------------------|-----------|------|--------|-------|--------|----------|------|--------|--------|---------|------|--------|------|--------------|----------|------|----------|----------|----------|
| 17 | Truck Loadout | 25' x 25' x 60' | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demolition Cost | Steel Bld. Large | 024116130020 | 0.32 | /CF | 25 | 25 | 60 | | | | | | | | | | 37500 | CF | \$12,000 | | |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | | 0.35 | 486 | CY | | |
| | Rubble's Weight (exclude steel) | | | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Truck | | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Drive | | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non Steel | | | | | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck | 2 Trips/Day, 79 mi rnd trip =36 CY/Day | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck Drive | 486 CY (648 tons) 4 axle 25 Ton, 18 CY | 015433205310 | | 12 | CY | | | | | | | | | | | | | 12 | CY | \$5,832 | |
| | Disposal at Salvage Yard | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$17,832 | |
| | Equipment 's Disposal Cost | | | | | | | | | | | | | | | | | | | | | |
| | Dismantling Cost | | | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Vol. Demolished | | | | | | | | | | | | | | | | | | | | | |
| | Loading Costs | | | | | | | | | | | | | | | | | | | | | |
| | Transport Costs | | | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | Concrete demolition | 015433200320 | 46 | /CY | 25 | 25 | 1 | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | Front end loader 3 1/4 CY | 015433204530 | 1.5 | /CY | | | | | | | | | | | | | | | | | |
| | Transportation Cost - Conc. Foundation placed on site at toe of cuts | Concrete 30 tons/25 ton/load=2 loads | 015433205550 | 1066 | day | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | | \$2,169 |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | | | \$20,001 |

| Ref. | Description | Materials | Means Reference Number | Unit Cost | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Time | Number | Unit | Swell Factor | Quantity | Unit | Cost | |
|------|---|--|------------------------|-----------|------|--------|-------|--------|----------|------|--------|--------|---------|------|--------|------|--------------|----------|------|---------|----------|
| 18 | Storage Sheds - 5 EA | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demolition Cost | Steel Bldg. Large - 3 sides/ open front | 024116130020 | 0.15 | /CF | 120 | 30 | 14 | | | | | | | | FT | | 50400 | CF | \$7,560 | |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | | 0.35 | 653 | CY | |
| | Rubble's Weight (exclude steel) | | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Truck | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Drive | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non Steel | | | | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck Drive | 2 Trips/Day, 79 mi rnd trip = 35 Trips | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck Drive | 653 CY (871 Tons), 4 axle, 25 Ton, 18 CY | 015433205310 | | 12 | CY | | | | | | | | | | | | | 12 | CY | \$7,836 |
| | Disposal at Salvage Yard | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$15,396 |
| | Equipment 's Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Dismantling Cost | | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Vol. Demolished | | | | | | | | | | | | | | | | | | | | |
| | Loading Costs | | | | | | | | | | | | | | | | | | | | |
| | Transport Costs | | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | Concrete demolition | 015433200320 | 46 | /CY | 120 | 30 | 0.33 | | | | | | | | FT | | 44 | CY | \$2,024 | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | 1.3 | 57 | CY | |
| | Loading Cost | Front end loader 3 CY | 015433204530 | 1.5 | /CY | | | | | | | | | | | | | | 57 | CY | \$86 |
| | Transportation Cost - Conc Foundation placed on site at toe of cuts | Concrete 119 tons/25 ton/load = 5 loads | 015433205550 | 1068 | Day | | | | | | | | | | | | | | 1 | Days | \$1,066 |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$3,176 |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$18,572 |
| | 5 Storage Sheds at same size & costs | | | | | | | | | | | | | | | | | | | | \$92,860 |
| | | | | | | | | | | | | | | | | | | | | | \$92,860 |
| | Total | | | | | | | | | | | | | | | | | | | | \$92,860 |

| Ref. | Description | Materials | Means Reference Number | Unit Cost | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Time | Number | Unit | Swell Factor | Quantity | Unit | Cost | |
|------|---------------------------------------|---|------------------------|-----------|------|--------|-------|--------|----------|------|--------|--------|---------|------|--------|------|--------------|----------|------|----------|----------|
| 19 | Transfer Tower Belt MB-1 to SB-1 | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demolition Cost | Steel Bld. Lage | 024116130020 | 0.32 | CF | 25 | 25 | 50 | | | | | | | | FT | | 31250 | CF | \$10,000 | |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | | 0.35 | 405 | CY | |
| | Rubble's Weight (exclude steel) | | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Truck | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Drive | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non Steel | | | | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck Drive | 2 Trips/Day, 79 mi rnd trip = 405 CY (540 Tons), 4 axle, 25 Ton, 18 CY | 015433205310 | | 12 | CY | | | | | | | | | | | | | 12 | CY | \$4,860 |
| | Transportation Cost Steel Truck Drive | | | | | | | | | | | | | | | | | | | | |
| | Disposal at Salvage Yard | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$14,860 |
| | Equipment 's Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Dismantling Cost | | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Vol. Demolished | | | | | | | | | | | | | | | | | | | | |
| | Loading Costs | | | | | | | | | | | | | | | | | | | | |
| | Transport Costs | | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | 25 | 25 | 2 | | | | | | | | FT | | 1250 | CF | | |
| | Demolition Cost | Concrete demolition | 015433200320 | 46 | CY | | | | | | | | | | | | 1.3 | 60 | CY | \$2,760 | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | Front end loader 3 1/4 CY | 015433204530 | 1.5 | CY | 25 | 25 | 2 | | | | | | | | | | | 60 | CY | \$90 |
| | Transportation Cost | Concrete 60 tons/25 tons/load = 3 loads | 015433205550 | 1066 | Day | | | | | | | | | | | | | | 1 | Day | \$1,066 |
| | Disposal Costs | Disposal on site at toe of cuts | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$3,916 |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | | \$18,776 |

| Ref. | Description | Materials | Means Reference Number | Unit Cost | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Time | Number | Unit | Swell Factor | Quantity | Unit | Cost | | |
|------|---|---|------------------------|-----------|------|--------|-------|--------|----------|------|--------|--------|---------|------|--------|------|--------------|----------|------|----------|-----------|---------|
| 21 | Crushing & Screening Building | 50' x 50' x 80' | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demolition Cost | Steel Bld. Large | 024116130020 | 0.32 | /CF | 50 | 50 | 80 | | | | | | | | FT | | 200000 | CF | \$64,000 | | |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | | 0.35 | 2593 | CY | | |
| | Rubble's Weight (exclude steel) | | | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Truck | | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Drive | | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non Steel | | | | | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck | 2 Trips/Day, 79 mi rmd trip = 70 Days | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck Drive | 2593 CY (3457 Tons) 4 axle, 25 Ton, 18 CY | 015433205310 | | 12 | CY | | | | | | | | | | | | | 12 | CY | \$31,116 | |
| | Disposal at Salvage Yard | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$95,116 | |
| | Equipment 's Disposal Cost | | | | | | | | | | | | | | | | | | | | | |
| | Dismantling Cost | | | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Vol. Demolished | | | | | | | | | | | | | | | | | | | | | |
| | Loading Costs | | | | | | | | | | | | | | | | | | | | | |
| | Transport Costs | | | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | Concrete demolition | 015433200320 | 46 | /CY | 50 | 50 | 2 | | | | | | | | FT | | 185 | CY | \$8,510 | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | 1.3 | 241 | CY | | |
| | Loading Cost | Front end loader 3 CY | 015433204530 | 1.5 | /CY | | | | | | | | | | | | | | | 241 | CY | \$362 |
| | Transportation Cost - Conc Foundation placed on site at toe of cuts | Concrete 30 tons/25 ton/load = 10 loads | 015433205550 | 1066 | Day | | | | | | | | | | | | | | | 2 | Days | \$2,132 |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$11,004 | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | | \$106,120 | |

| Ref. | Description | Materials | Means Reference Number | Unit Cost | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Time | Number | Unit | Swell Factor | Quantity | Unit | Cost | |
|------|---|---|------------------------|-----------|------|--------|-------|--------|----------|------|--------|--------|---------|------|--------|------|--------------|----------|------|----------|-----------|
| 23 | Office Bathhouse Building | 142' x 60' x 23 | | | | | | | | | | | | | | | | | | | |
| | Structure's Demolition Cost | Steel Bld. Large | 024116130020 | 0.32 | /CF | 142 | 60 | 23 | | | | | | | | FT | | 195960 | CF | \$62,707 | |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | 0.35 | 2540 | CY | | |
| | Rubble's Weight (exclude steel) | | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Truck | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Drive | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non Steel | Building materials sht rock & etc | ECDC | 10.1 | Ton | 142 | 60 | 23 | | | | | | | | CY | 0.03 | 218 | CY | \$2,202 | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck | 2 Trips/Day, 79 mi rd trip = 102 Trips | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck Drive | 2540 CY (3379 Tons) 4 axle, 25 Ton, 18 CY | 015433205310 | 12 | CY | | | | | | | | | | | | | | 12 | CY | \$30,480 |
| | Disposal at Salvage Yard | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Dismantling Cost | | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Vol. Demolished | | | | | | | | | | | | | | | | | | | | |
| | Loading Costs | | | | | | | | | | | | | | | | | | | | |
| | Transport Costs | | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | Concrete demolition | 015433200320 | 11.03 | /CY | 142 | 60 | 23 | | | | | | | | CY | | 7258 | CY | \$80,056 | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | 1.3 | 9435 | CY | | |
| | Loading Cost | Front end loader 3 1/4 CY | 015433204530 | 1.49 | /CY | | | | | | | | | | | | | | 9435 | CY | \$14,058 |
| | Transportation Cost - Conc Foundation placed on site at toe of cuts | Concrete 9435 CY /25 ton/load = 375 loads | 015433205550 | 3.69 | /CY | | | | | | | | | | | | | | 9435 | CY | \$34,815 |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$128,929 |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | | \$176,623 |

| Ref. | Description | Materials | Means Reference Number | Unit Cost | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Time | Number | Unit | Swell Factor | Quantity | Unit | Cost |
|------|---|--|------------------------|-----------|------|--------|-------|--------|----------|------|--------|--------|---------|------|--------|------|--------------|----------|------|-------|
| 25 | Explosives Magazines | | | | | | | | | | | | | | | | | | | |
| | Structure's Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Rubble's Weight (exclude steel) | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non Steel | | | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Disposal Cost | Powder Magazine Small | | | | 6 | 6 | 6 | | | | | | | | | | 8 CY | | |
| | Dismantling Cost | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | Front end loader 3 1/4 CY | 015433204530 | 1.49 | /CY | | | | | | | | | | | | | 8 CY | | \$12 |
| | Transportation Cost - Conc Foundation placed on site at toe of cuts | Steel 8 CY /25 ton/load = 1 load Disposal at Salvage Yard | 015433205550 | 3.69 | /CY | | | | | | | | | | | | | 8 CY | | \$30 |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$42 |
| | Equipment 's Disposal Cost | Cap Magazine Small | | | | 6 | 6 | 6 | | | | | | | | | | 8 CY | | |
| | Dismantling Cost | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | Front end loader 3 1/4 CY | 015433204530 | 1.49 | /CY | | | | | | | | | | | | | 8 CY | | \$12 |
| | Transportation Cost - Conc Foundation placed on site at toe of cuts | Steel 8 CY /25 ton/load = 1 load Salvage yard Price | 015433205550 | 3.69 | /CY | | | | | | | | | | | | | 8 CY | | \$30 |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$80 |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | \$164 |

| Ref. | Description | Materials | Means Reference Number | Unit Cost | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Time | Number | Unit | Swell Factor | Quantity | Unit | Cost |
|------|---|--|------------------------|-----------|------|--------|-------|--------|----------|------|--------|--------|---------|------|--------|------|--------------|----------|------|------|
| 30 | Inlets-Storm Drain & Cleanout Boxes | | | | | | | | | | | | | | 6 | EA | | | | |
| | Structure's Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Rubble's Weight (exclude steel) | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non Steel | | | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Removal Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$0 |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | Front end loader 3 CY | 015433204530 | 1.6 | /CY | 4 | 4 | 4 | | | | | | | 6 | EA | | 6 | CY | \$10 |
| | Transportation Cost - On site disposal at toe of cuts | 12 CY (16 Ton) Dump Truck 1/2 mi. rd. trip | 312323180310 | 3.3 | /CY | | | | | | | | | | 6 | EA | | 6 | CY | \$20 |
| | On site disposal | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$30 |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | \$30 |

| Ref. | Description | Materials | Means Reference Number | Unit Cost | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Time | Number | Unit | Swell Factor | Quantity | Unit | Cost |
|------|---------------------------------------|--------------------------------------|------------------------|-----------|------|--------|-------|--------|----------|------|--------|--------|---------|------|--------|------|--------------|----------|------|----------|
| 31 | Culverts | Removed during reclamation earthwork | | | | | | | | | | | | | | | | | | |
| | Aluminium CMP 18" & 30" | Excavator 3/4 CY bucket crawler | 015433200140 | 15.5 | CY | 400 | 3 | 5 | | | | | | | | FT | | 222 | CY | \$ 3,441 |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Rubble's Weight (exclude steel) | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non Steel | | | | | | | | | | | | | | | | | | | |
| | Aluminum's Weight | From Contech Construction Products | Contech | | | | | | | | | 1.2 | | | | Ton | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck Drive | 2 Trips/Day, 79 mi rd trip = 1 Trips | | | | | | | | | | | | | | | | | | |
| | | 2 CY (1 Tons), 4 axle, 25 Ton, 18 CY | 015433205310 | 12 | CY | | | | | | | | | | | | | 2 | CY | \$ 24 |
| | Transportation Cost Steel Truck Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Salvage Yard | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | \$ 3,465 |
| | Equipment 's Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Dismantling Cost | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Costs | | | | | | | | | | | | | | | | | | | |
| | Transport Costs | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | \$ 3,465 |

| Ref. | Description | Materials | Means Reference Number | Unit Cost | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Time | Number | Unit | Swell Factor | Quantity | Unit | Cost |
|------|---------------------------------------|-----------|------------------------|-----------|------|--------|-------|--------|----------|------|--------|--------|---------|------|--------|------|--------------|----------|------|----------|
| 33 | Water Monitoring Wells | | | | | | | | | | | | | | | | | | | |
| | Structure's Demolition Cost | Plug Well | AML3 | 5000 | EA. | | | | | | | | | | 7 | EA | | 7 | EA | \$35,000 |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Rubble's Weight (exclude steel) | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non Steel | | | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$35,000 |
| | Equipment 's Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Dismantling Cost | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Costs | | | | | | | | | | | | | | | | | | | |
| | Transport Costs | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | \$35,000 |

| Ref. | Description | Materials | Means Reference Number | Unit Cost | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Time | Number | Unit | Swell Factor | Quantity | Unit | Cost |
|------|-------------------------------------|---|------------------------|-----------|--------|--------|-------|--------|----------|------|--------|--------|---------|------|--------|------|--------------|----------|------|----------|
| 36 | Reclaim Tunnel | Concrete x 350' Long | | | | | | | | | | | | | | | | | | |
| | Structure's Demolition Cost | Concrete demolition | 015433200320 | | 10/CY | 350 | 12 | 12 | | | | | | | | FT | | 1867 | CY | \$18,670 |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Rubble's Weight (exclude steel) | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non Steel | | | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | Front end loader 3 1/4 CY | 015433204530 | | 1.5/CY | | | | | | | | | | | | | 1867 | CY | \$2,801 |
| | | 12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip | 312323180310 | | 3.3/CY | | | | | | | | | | | | | 1867 | CY | \$6,161 |
| | On site Disposal | On site disposal | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$27,632 |
| | Equipment 's Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Dismantling Cost | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Costs | | | | | | | | | | | | | | | | | | | |
| | Transport Costs | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Surface Slab | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | Concrete demolition | 015433200320 | | 10/CY | 350 | 12 | 1 | | | | | | | | FT | | 156 | CY | \$1,560 |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | 1.3 | 203 | CY | |
| | Loading Cost | Front end loader 3 1/4 CY | 015433204530 | | 1.5/CY | | | | | | | | | | | | | 203 | CY | \$305 |
| | | 12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip | 312323180310 | | 3.3/CY | | | | | | | | | | | | | 203 | CY | \$670 |
| | On site Disposal | On site disposal | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$2,535 |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | \$30,167 |

| Ref. | Description | Materials | Means Reference Number | Unit Cost | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Time | Number | Unit | Swell Factor | Quantity | Unit | Cost |
|------|---------------------------------------|--|------------------------|-----------|------|--------|-------|--------|----------|------|--------|--------|---------|------|--------|------|--------------|----------|------|-------|
| 38 | Conveyor Supports | | | | | | | | | | | | | | | | | | | |
| | Structure's Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Rubble's Weight (exclude steel) | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non Steel | | | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Dismantling Cost | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Costs | | | | | | | | | | | | | | | | | | | |
| | Transport Costs | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | Concrete demolition | ConcreteDemo1 | 46 | /CY | 4.5 | 4.5 | 1 | | | | | | | | 2 FT | | 14 | CY | \$644 |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | 1.3 | 18 | CY | |
| | Loading Cost | Front end loader 3 1/4 CY | 015433204530 | 1.5 | /CY | | | | | | | | | | | | | 18 | CY | \$27 |
| | | 12 CY (16 Ton) Dump Truck 1/2 mi. rd. trip | 312323180310 | 3.3 | /CY | | | | | | | | | | | | | 18 | CY | \$59 |
| | On site Disposal | On site disposal | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$730 |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | \$730 |

| Ref. | Description | Materials | Means Reference Number | Unit Cost | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Time | Number | Unit | Swell Factor | Quantity | Unit | Cost | |
|------|---------------------------------------|---|------------------------|-----------|------|--------|-------|--------|----------|------|--------|--------|---------|------|--------|------|--------------|----------|------|----------|----------|
| 45 | WaterTank Steel & PVC Water Line | | | | | | | | | | | | | | | | | | | | |
| | Structure's Demolition Cost | Steel Bld. Large | 024116130020 | 0.31 | CF | | | | 35 | 20 | 6303 | 4 | | | Ton | FT | | 10996 | CF | \$ 3,409 | |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | | 0.35 | 143 | CY | |
| | Rubble's Weight (exclude steel) | | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | | |
| | Haulage | 12 CY (16 Ton) Dump Truck 5 mi. rnd. trip | 02315 490 0540 | 11.95 | CY | | | | | | | | | | | | | | 143 | CY | \$ 1,709 |
| | Transportation Cost Non Steel Truck | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Drive | | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non Steel | | | | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | | |
| | Haulage | 2 Trips/Day, 79 mi. rnd. trip = 8 Trips | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck | 143 CY (191 tons) 4 axle, 25 ton, 18 CY | 015433205310 | 12 | CY | | | | | | | | | | | | | | 12 | CY | \$ 1,716 |
| | Transportation Cost Steel Truck Drive | | | | | | | | | | | | | | | | | | | | |
| | Disposal Salvage Yard | | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Disposal Cost | | | | | | | | | | | | | | | | | | | | |
| | Dismantling Cost | | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Vol. Demolished | | | | | | | | | | | | | | | | | | | | |
| | Loading Costs | | | | | | | | | | | | | | | | | | | | |
| | Transport Costs | | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | \$ 6,834 |
| | PVC Water Line reclaim | 6" - 8" PVC schedule 40 | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | Included in earthwork - no salvage - assume .33 X Means for discard | 024113381700 | 0.71 | LF | 700 | | | | | | | | | | | | | | | \$ 497 |
| | Loading Cost | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | 12 CY (1 Ton) Dump Truck 79 mi md trip | 312323180310 | 3.3 | CY | | | | | | | | | | | | | | | | \$ 29 |
| | Disposal Costs | | E CDC | 35 | CY | | | | | | | | | | | | | | | | \$ 350 |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | | \$ 7,272 |

| Ref. | Description | Materials | Means Reference Number | Unit Cost | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Time | Number | Unit | Swell Factor | Quantity | Unit | Cost |
|------|---------------------------------------|--|------------------------|-----------|------|--------|-------|--------|----------|------|--------|--------|---------|------|--------|------|--------------|----------|------|----------|
| 46 | Parking Lot and Access Road Pavement | | | | | | | | | | | | | | | | | | | |
| | Structure's Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Structure's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Rubble's Weight (exclude steel) | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Non Steel Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Non Steel | | | | | | | | | | | | | | | | | | | |
| | Steel's Weight | | | | | | | | | | | | | | | | | | | |
| | Truck's Capacity | | | | | | | | | | | | | | | | | | | |
| | Haulage | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost Steel Truck Drive | | | | | | | | | | | | | | | | | | | |
| | Disposal Cost Steel | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Disposal Cost | | | | | | | | | | | | | | | | | | | |
| | Dismantling Cost | | | | | | | | | | | | | | | | | | | |
| | Equipment 's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Costs | | | | | | | | | | | | | | | | | | | |
| | Transport Costs | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Asphalt Removal Rotomill/Reuse | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | Pavement removal (asphalt) 3 inch | 024113175010 | 2.37 | SY | | | | | 8400 | | | | | | SY | | 8400 | SY | \$19,908 |
| | Concrete's Vol. Demolished | | | | | | | | 0.25 | | | | | | | FT | 1.3 | 910 | CY | |
| | Loading Cost | Front end loader 3 1/4 CY | 015433204530 | 1.5 | /CY | | | | | | | | | | | | | 910 | CY | \$1,365 |
| | Haul to Scoffed Town for Reuse | 12 CY (16 Ton) Dump Truck 1 mi rd trip | 312323180310 | 3.3 | /CY | | | | | | | | | | | | | 910 | CY | \$3,003 |
| | Subtotal | | | | | | | | | | | | | | | | | | | \$24,276 |
| | Concrete Demolition | 12 CY (16 Ton) Dump Truck 1 mi rd trip | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Concrete Demolition | | | | | | | | | | | | | | | | | | | |
| | Demolition Cost | | | | | | | | | | | | | | | | | | | |
| | Concrete's Vol. Demolished | | | | | | | | | | | | | | | | | | | |
| | Loading Cost | | | | | | | | | | | | | | | | | | | |
| | Transportation Cost | | | | | | | | | | | | | | | | | | | |
| | Disposal Costs | | | | | | | | | | | | | | | | | | | |
| | Subtotal | | | | | | | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | | | | | | | | \$24,276 |

| | Equipment Cost | Hourly Operating Costs | Equipment Overhead | Operator's Hourly Wage Rate | Hourly Cost | Number of Men or Eq. | Total Eq. & Lab. Costs | Units | Quantity | Units | Production Rate | Units | Equip. + Labor Time/Dis. | Units | Cost |
|--|----------------|------------------------|--------------------|-----------------------------|-------------|----------------------|------------------------|-------|----------|-------|-----------------|-------|--------------------------|-------|------------------|
| Kinney No. 2 Mine Backfilling and Grading | | | | | | | | | | | | | | | |
| Ripping Fill Area (D9 Dozer) | | | | | | | | | | | | | | | |
| D9R Semi-U EROPS Means #015433204360 | 19641 | 95.94 | 0.1 | 50.39 | 259.71 | 1 | 259.71 | \$/HR | 24780 | CY | 184 | CY/HR | 134.7 | HR | \$34,983 |
| Multi-Shank Ripper 410 HP Means #015433500540 | | 3.45 | 0.1 | | 4.9 | 1 | 4.9 | \$/HR | | | | | 134.7 | HR | \$660 |
| Subtotal | | | | | | | | | | | | | | | \$35,643 |
| Backfill On Site Load-Haul-Place | | | | | | | | | | | | | | | |
| Loading | | | | | | | | | | | | | | | |
| 988G EROPS Means #015433204810 | 16976 | 82.22 | 0.1 | 50.39 | 234.43 | 1 | 234.43 | \$/HR | 30759 | CY | 498 | CY/HR | 61.8 | HR | \$14,488 |
| Hauling | | | | | | | | | | | | | | | |
| 769D End Dump Truck 25 Ton Means #015433205550 | 9725 | 52.25 | 0.1 | 50.39 | 155.95 | 2 | 311.9 | \$/HR | 30759 | CY | 498 | CY/HR | 61.8 | HR | \$19,275 |
| Place with Excavator | | | | | | | | | | | | | | | |
| CAT 345BL 3 1/2 CY Means #015433200340 | 28031 | 158.81 | 0.1 | 50.39 | 392.21 | 1 | 470.77 | \$/HR | 12303.6 | CY | 180 | CY/HR | 68.4 | HR | \$32,201 |
| Place with Dozer | | | | | | | | | | | | | | | |
| D9R Semi-U EROPS Means #015433204360 | 19641 | 95.94 | 0.1 | 50.39 | 259.71 | 1 | 259.71 | \$/HR | 15379.5 | CY | 184 | CY/HR | 83.6 | HR | \$21,712 |
| Subtotal | | | | | | | | | | | | | | | \$87,676 |
| Backfill On Site Slope <30% | | | | | | | | | | | | | | | |
| CAT 345BL 3 1/2 CY Means #015433200340 | 20800 | 158.81 | 0.1 | 50.39 | 392.21 | 1 | 392.21 | \$/HR | 43062 | CY | 180 | CY/HR | 239.2 | HR | \$93,817 |
| Spread | | | | | | | | | | | | | | | |
| D9R Semi-U EROPS Means #015433204360 | 19641 | 95.94 | 0.1 | 50.39 | 259.71 | 1 | 259.71 | \$/HR | 21531 | CY | 184 | CY/HR | 117 | HR | \$30,386 |
| Pock Marking | | | | | | | | | | | | | | | |
| CAT 345BL 3 1/2 CY Means #015433200340 | 20800 | 158.81 | 0.1 | 50.39 | 392.21 | 1 | 392.21 | \$/HR | 21531 | CY | 180 | CY/HR | 119.6 | HR | \$46,908 |
| Subtotal | | | | | | | | | | | | | | | |
| Backfill On Flatter Slopes W/Scraper | | | | | | | | | | | | | | | |
| CAT 631G 24 CY Means #015433203600 | 23096 | 150.07 | 0.1 | 50.39 | 342.61 | 1 | 342.61 | \$/HR | 49214 | CY | 393 | CY/HR | 125.2 | HR | \$42,895 |
| D9R Semi-U EROPS Means #015433204360 | 16400 | 90.4 | 0.1 | 50.39 | 259.71 | 1 | 259.71 | \$/HR | 24607 | CY | 184 | CY/HR | 133.7 | HR | \$34,723 |
| Pock Marking | | | | | | | | | | | | | | | |
| CAT 345BL 3 1/2 CY Means #015433200340 | 20800 | 158.81 | 0.1 | 50.39 | 392.21 | 1 | 392.21 | \$/HR | 24607 | CY | 180 | CY/HR | 136.7 | HR | \$53,615 |
| Total Backfilling and Grading | | | | | | | | | | | | | | | \$274,491 |

| | Equipment Cost | Hourly Operating Costs | Equipment Overhead | Operator's Hourly Wage Rate | Hourly Cost | Number of Men or Eq. | Total Eq. & Lab. Costs | Units | Quantity | Units | Production Rate | Units | Equip. + Labor Time/Dis. | Units | Cost |
|--|----------------|------------------------|--------------------|-----------------------------|-------------|----------------------|------------------------|-------|----------|-------|-----------------|-------|--------------------------|-------|-----------|
| Kinney No. 2 Mine Topsoil Distribution | | | | | | | | | | | | | | | |
| Load From Topsoil Stockpile | | | | | | | | | | | | | | | |
| Load | | | | | | | | | | | | | | | |
| 988G EROPS Means #015433204810 | 16976 | 82.22 | 0.1 | 50.39 | 234.43 | 1 | 234.43 | \$/HR | 54966 | CY | 498 | CY/HR | 110.4 | HR | \$25,881 |
| Haul | | | | | | | | | | | | | | | |
| 769D End Dump Truck 25 Ton Means #015433205550 | 9725 | 52.25 | 0.1 | 50.39 | 155.95 | 2 | 311.9 | \$/HR | 54966 | CY | 498 | CY/HR | 110.4 | HR | \$34,434 |
| Subtotal | | | | | | | | | | | | | | | \$60,315 |
| Place Topsoil | | | | | | | | | | | | | | | |
| Place with Wheel Loader | | | | | | | | | | | | | | | |
| 988G EROPS Means #015433204810 | 16976 | 82.22 | 0.1 | 50.39 | 234.43 | 1 | 234.43 | \$/HR | 18138.78 | CY | 498 | CY/HR | 36.4 | HR | \$8,533 |
| Grading | | | | | | | | | | | | | | | |
| D7R Series II 240 HP Means #015433204260 | 9725 | 52.85 | 0.1 | 50.39 | 129.67 | 1 | 129.67 | \$/HR | 54966 | CY | 145 | CY/HR | 379.1 | HR | \$49,158 |
| Excavator | | | | | | | | | | | | | | | |
| CAT 345BL 3 1/2 CY Means #015433200340 | 28031 | 158.81 | 0.1 | 50.39 | 392.21 | 1 | 470.77 | \$/HR | 21986.4 | CY | 180 | CY/HR | 122.1 | HR | \$57,481 |
| Subtotal | | | | | | | | | | | | | | | \$115,172 |
| Total | | | | | | | | | | | | | | | \$175,487 |

| | Equipment Cost | Hourly Operating Costs | Equipment Overhead | Operator's Hourly Wage Rate | Hourly Cost | Number of Men or Eq. | Total Eq. & Lab. Costs | Units | Quantity | Units | Production Rate | Units | Equip. + Labor Time/Dis. | Units | Cost |
|---|----------------|------------------------|--------------------|-----------------------------|-------------|----------------------|------------------------|-------|----------|-------|-----------------|-------|--------------------------|-------|-----------------|
| Kinney No. 2 Mine Support Equipment and Labor | | | | | | | | | | | | | | | |
| Backfilling & Topsoil Placement | | | | | | | | | | | | | | | |
| 6000 gal H2O Truck Means #015433406950 | 7649.5 | | 0.1 | | | | 127.08 | HR | 60 | DAYS | | | 480 | HR | \$60,998 |
| Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005) | 900 | 5.4 | 0.1 | 0 | 21 | 1 | 21 | \$/HR | | | | | 480 | HR | \$10,080 |
| Forman - Means Outside Crew | | 32.25 | 0.1 | | 51.31 | 1 | 51.31 | \$/HR | | | | | 480 | HR | \$24,629 |
| Subtotal | | | | | | | | | | | | | | | \$95,707 |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | \$95,707 |

Exhibit 10

Surface and Ground Water Field Measurements

EPHEMERAL DRAINAGE DETERMINATION

(Updated ~~February~~ May 2011)

The USGS 7.5 minute Scofield Quadrangle Map depicts perennial, and intermittent, streams with a dark blue drainage line while ephemeral drainages are shown with a light blue dashed-line, or simply as a topographic v-notch without a drainage marking line altogether. There are five short, straight, E-W drainages within and or immediately north of the permit boundary shown on the Scofield USGS 7.5 Minute Quad as ephemeral drainages because they are represented by a v-notch in the topo contours only and lack any kind of drainage marking line. For purposes of this work, those five drainages have been named, from North to South, Monay Draw, Blue Seal Draw, Kinney Draw, Columbine Draw, and Jones Draw, and are marked with a dash-dot light blue line marking the likely course of each drainage, View 1, (Ephemeral Drainages, Drainage Divides, and Piezometric Surface). A light blue ephemeral drainage dashed line has been added to the map for consistency in designation. Two additional drainages, Eagles Canyon and UP Canyon, are both shown as ephemeral drainages on the USGS 7.5 minute Scofield Quadrangle with the light blue dashed line. Mud Creek and the lower reach of Miller Creek are the only Perennial Streams near the Permit Boundary and are shown with a dark blue solid line on the Scofield Quadrangle. Baseline data have been collected from these two Perennial Streams, View 2(Ephemeral Drainage Determination).

The seven ephemeral drainages described above together with the groundwater table are the subjects of this discussion due to concern that baseline data were not collected from them those seven drainages. The argument is “absent baseline water samples from the seven drainages how can we be certain they are ephemeral?”

~~The reason these drainages were excluded from the baseline monitoring suite is simply because flowing water was never observed in any of them during the baseline monitoring period. Baseline data were collected on the ephemeral drainages beginning with~~ Photographs ~~were~~ taken of the four drainages that are actually located within the Permit Boundary (Eagles Canyon, Kinney Draw, Columbine Draw, and Jones Draw) during the baseline monitoring period that demonstrate the absence of water (Appendix 1, Drainage Photos). Not only do these photographs document the absence of water, when they were taken, but also document the lack of alluvium and the lack of vegetative differences across the drainage bottom. [Additional baseline data were collected during 21 field visits documented below.](#)

The documented lack of running water alone, at any point in the year, disqualifies all four of these drainages from being classified as Perennial; a stream that flows year round. Therefore the only question is, are these four drainages ephemeral or intermittent? The same question is directed to the other three E-W drainages, Monay Draw and Blue Seal Draw, and Up Canyon. Photo aspects are shown on View 3, Appendix 1.

all of the seven drainages shown as ephemeral (Eagles Canyon, Monay Draw, Blue Seal Draw, Kinney Draw, Columbine Draw, Jones Draw, UP Canyon) are above the water table throughout their entire length. Bold letters “A” through “G” on View 2 post the differences in elevation between the bottom of each drainage and the piezometric surface (depth to the water table) at the westernmost location within each respective drainage basin where the elevation difference is the smallest. That is, the difference between the bottom of each drainage and the piezometric surface is smallest down-gradient, closer to base level represented by Scofield Reservoir and increases significantly eastward or upstream on each drainage.

Constraints on the elevation and gradient of the water table also explain the observed intermittent nature of the Long Canyon portion (upper reach) of the Miller Canyon Stream.

Geometric properties (area, length, elevation and average slope) of the seven ephemeral drainages together with those of the two perennial streams are summarized below in TABLE 1.

TABLE 1

| Drainages Arranged North to South | | | | | | | |
|--|----------------|--------------|---|------------------|------------------|---------------|------------------|
| Kinney Drainage Basin Areas | | | Kinney Drainage Average Gradient (Slope) | | | | |
| Drainage | SQ FT. | Acres | Top Elev | Base Elev | Elev Drop | Length | Avg Slope |
| Miller Canyon | 224,900,115.77 | 5,163.00 | 9,100.0 | 7,660.0 | 1,440.0 | 33,275.8 | 4.3% |
| Eagles Canyon | 28,232,397.56 | 648.13 | 8,600.0 | 7,660.0 | 940.0 | 10,182.1 | 9.2% |
| Monay Draw | 2,714,510.69 | 62.32 | 7,980.0 | 7,800.0 | 180.0 | 760.0 | 23.7% |
| Blue Seal Draw | 1,789,775.88 | 41.09 | 7,980.0 | 7,820.0 | 160.0 | 641.0 | 25.0% |
| Kinney Draw | 2,578,528.62 | 59.19 | 7,980.0 | 7,760.0 | 220.0 | 875.4 | 25.1% |
| Columbine Draw | 2,049,214.37 | 47.04 | 7,880.0 | 7,800.0 | 80.0 | 248.0 | 32.3% |
| Jones Draw | 5,041,158.90 | 115.73 | 8,080.0 | 7,820.0 | 260.0 | 1,202.1 | 21.6% |
| UP Canyon | 36,746,615.67 | 843.59 | 8,500.0 | 7,800.0 | 700.0 | 6,279.0 | 11.1% |

Groundwater Monitoring Data for Monitor Wells CR-06-01-BLW, CR-06-02, CR-06-05A, CR-10-11, and CR-10-12 are shown on Exhibit 10 (Surface and Ground Water Field Measurements) and graphically depicted on Maps 7, 7A, 7B. Data in Exhibit 10 document, for a duration of four years (2006-2010), the upper limit of the static water level beneath Monay Draw, Blue Seal Draw, Kinney Draw, Columbine Draw, Jones Draw, UP Canyon, as positioned a minimum of fifty two (52) feet below the lowest point in the bottom of the lowest of these drainages. CR-06-01-BLW is actually located in Jones Draw providing absolute site specific data. The groundwater surface (piezometric) clearly is lower near the Scofield Reservoir where the lowest portions of the drainages terminate.

In addition to the four year data set documenting the position of the groundwater table in the local area, the following twenty two (212) visits to Scofield by Ben Grimes, over the course of roughly the same four years (5-26-06 through 10-20-10), where he was surveying in the area and can testify it was not raining and observed no water running in any of the eight drainages listed above, except Miller Canyon which is perennial, as he passed by them: (5-26-06, 10-16-06, 10-27-06, 5-8-07, 9-20-07, 9-21-07, 10-27-07, 9-22-09, 9-23-09, 9-28-09, 9-29-09, 9-30-09, 10-1-09, 4-26-10, 4-27-10, 7-3-10, 8-19-10, 9-7-10, 9-14-10, 9-16-10, 9-30-09, 10-20-10).