COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY
MINERALS PROGRAM INSPECTION REPORT
PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME: Valco T Pit	**MINE/PROSPECTING ID#:** M-2004-043	**MINERAL:** Sand and gravel	**COUNTY:** Las Animas
INSPECTION TYPE: Surety-Related Inspection	**INSPECTOR(S):** Amy Eschberger	**INSP. DATE:** September 9, 2015	**INSP. TIME:** 13:00
OPERATOR: Universal Landscape & Aggregate Supply, Inc.	**OPERATOR REPRESENTATIVE:** Brad Blasi	**TYPE OF OPERATION:** 112c - Construction Regular Operation	

REASON FOR INSPECTION: Surety Related	**BOND CALCULATION TYPE:** Complete Bond	**BOND AMOUNT:** $48,000.00
DATE OF COMPLAINT: NA	**POST INSP. CONTACTS:** None	**JOINT INSP. AGENCY:** None
WEATHER: Clear	**INSPECTOR'S SIGNATURE:** Amy Eschberger	**SIGNATURE DATE:** September 15, 2015

GENERAL INSPECTION TOPICS

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

(AR) RECORDS---------- Y	**(FN) FINANCIAL WARRANTY-------- Y**	**(RD) ROADS---------- Y**
(HB) HYDROLOGIC BALANCE---------- Y	**(BG) BACKFILL & GRADING---------- Y**	**(EX) EXPLOSIVES--------- NA**
(PW) PROCESSING WASTE/TAILING---- Y	**(SF) PROCESSING FACILITIES------- NA**	**(TS) TOPSOIL---------- Y**
(MP) GENL MINE PLAN COMPLIANCE- Y	**(FW) FISH & WILDLIFE---------- N**	**(RV) REVEGETATION---- Y**
(SM) SIGNS AND MARKERS---------- Y	**(SW) STORM WATER MGT PLAN---- Y**	**(CI) COMPLETE INSP---- Y**
(ES) OVERBURDEN/DEV. WASTE--------- Y	**(SC) EROSION/SEDIMENTATION--- Y**	**(RS) RECL PLAN/COMP-- Y**
(AT) ACID OR TOXIC MATERIALS------- NA	**(OD) OFF-SITE DAMAGE---------- Y**	**(ST) STIPULATIONS------- NA**

Y = Inspected and found in compliance / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

OBSERVATIONS

This was a surety-related inspection of the Valco T Pit (Permit No. M-2004-043) conducted by Amy Eschberger of the Division of Reclamation, Mining and Safety (Division) in response to a Succession of Operators application (Revision No. SO-03) that was received by the Division on 07/23/2015. With approval of SO-03, the permit would be transferred to Larry and Christine Tortorice, the surface and subsurface owners of the affected land. Brad Blasi represented the current operator, Universal Landscape & Aggregate Supply, Inc. during the inspection. Larry and Christine Tortorice were also present for the inspection. The site is located approximately 6 miles northeast of Trinidad, Colorado in Las Animas County. The site can be accessed from the north via a dirt private road that runs south off of Hwy 160. There are several active and reclaimed gravel mines in the region due to the local geology consisting of ridge top alluvial gravel deposits. The portion of the ridge located north of the permit area (passed through to reach the Valco T Pit) was mined previously under Permit No. M-1986-097, which was released by the Division in 2009.

This is a 112c operation permitted for 32.62 acres to mine sand and gravel for use in ready mix concrete, asphalt, and road base. The site is situated on top of a north-south trending ridge with a larger valley on the west and a smaller valley on the east (**Photo 1**). The creek beds in these valleys are typically dry throughout most of the year, only carrying water during big storm events. When carrying water, these tributaries flow north into the Purgatoire River. Mining at the site consists of removing the ridge top down to an elevation of approximately 6,020 feet. The maximum mining depth is approximately 30-40 feet. Mining began in the northern portion of the permitted area and will follow the ridge southward. Mined material is processed on site with mobile equipment. In the approved permit application, the operator committed to leaving an earthen berm along the western edge of the pit to act as a visual barrier for a residence located in the western valley. The maximum allowed disturbed area at any time is 10 acres.

At the time of the inspection, the weather was partly cloudy and warm, and the ground was dry. The creek bed in the eastern valley (partially included in the permit area) was dry. A permit identification sign was posted at the main site entrance off of Hwy 160 (**Photo 2**). However, with approval of the permit transfer, the new operator will need to replace the operator name on the permit sign. The corners of the permit boundary were marked with metal posts (**Photo 3**). The mine was not active during the inspection, and no mining-related equipment was present on site. According to Google Earth images of the site, it appears that the pit was last expanded in 2012. However, Mr. Blasi indicated that material has been processed and/or hauled off site every year since that time. Currently, only a few small material stockpiles remain (**Photo 4**). As discussed with the Tortorices (the successor operator) during the inspection, if material extracting, processing, and/or hauling off does not occur every year, then the operator is required to either file for Temporary Cessation (see enclosed form) or begin final reclamation. By filing for Temporary Cessation, the operator would be allowed a 5 year period of inactivity. If mining activities were to resume at any time within this 5 year period, the operator would need only to notify the Division so that the permit status could be changed back to active.

A mainly east-facing highwall (approximately 10-12 feet in height and 670 feet in length) is present along the western and southern edges of the disturbed area (**Photos 5-7**). The slope gradients of the highwall are near vertical (**Photo 8**). Salvaged topsoil is stockpiled at the northeastern edge of the pit (**Photo 9**). Additionally, a low-lying berm of topsoil was constructed around the outer edges of the pit (**Photo 10**). This berm appears to help divert stormwater runoff around the pit, and reduce pit stormwater from draining into the adjacent valley. The topsoil stockpiles appeared to be stable with vegetative cover. Native grasses, forbs, shrubs, and annual weeds were volunteering into the pit. The operator should continue to monitor weed growth in disturbed areas, and implement the approved weed control and management plan as necessary. The Division estimates that approximately 6.7 acres have been disturbed by the operation (see enclosed Google Earth image), which is in compliance with the approved maximum. However, it should be noted here for the successor operator, that

before disturbing more than 10 acres, either a Technical Revision will need to be submitted to increase the maximum allowed disturbed acreage (see enclosed form), or disturbed land will need to be reclaimed.

The approved reclamation plan for this site includes grading all mined slopes to 3H:1V or flatter, replacing any salvaged overburden, replacing approximately 6 inches of topsoil on disturbed land, and revegetating the site to rangeland (by planting a cover crop of oats by May 1st, then drill-seeding the rangeland seed mixture into the cover crop during November). The existing ranch road used to access the site will not be reclaimed. After conducting this inspection, the Division has determined that the currently held bond in the amount of $48,000.00 is adequate for reclaiming current disturbance. Therefore, the Division can approve the SO-03 application once the successor operator submits a properly executed financial warranty for this amount.

As discussed with the Tortorices during the inspection, a Surety Reduction request (see enclosed form) may be submitted once the permit transfer has been finalized. The Division's recent bond estimate indicates that the required financial warranty for the site at this time is $27,565.00 (see enclosed bond estimate). The successor operator may refer to this amount in the Surety Reduction request, as long as the request is submitted within 60 days of the SO-03 approval.

No problems were observed during the inspection.

PHOTOGRAPHS

Photo 1. View looking east from northern permit boundary, showing portion of adjacent valley included in permit area. Northeastern boundary marker located on hill across valley (not visible here).

Photo 2. View of permit identification sign posted at main site entrance off of Hwy 160. The successor operator will need to replace the operator name. A permit sign is required to have the permit number, a statement that the permit was issued by the CO MLRB, and the operator name.

Photo 3. View looking west from site entrance at northwestern corner of permit boundary, marked by metal post near property fence (indicated).

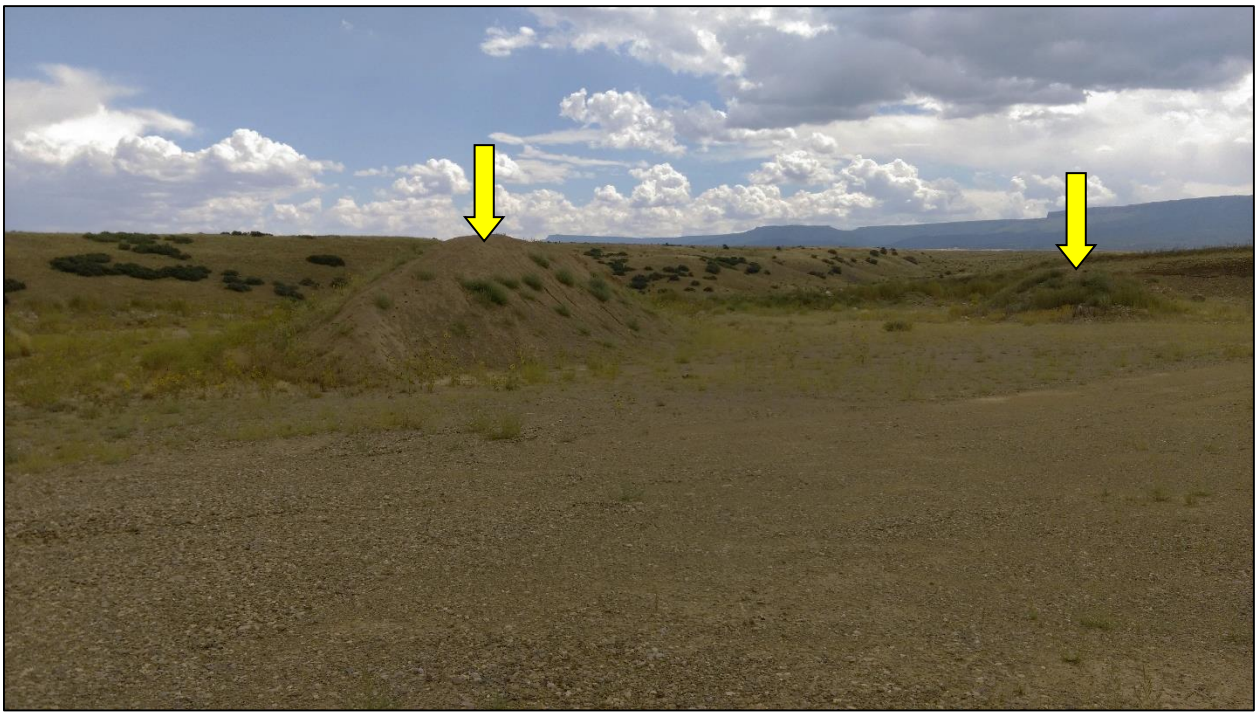


Photo 4. View of few small material stockpiles remaining (indicated) near eastern edge of pit.

Photo 5. View looking northwest across pit from southeastern corner of disturbance. Note highwall along western edge, approximately 10-12 feet in height.

Photo 6. View looking south from pit floor, showing southern portion of highwall (most recently mined).

Photo 7. View looking southwest from near site entrance, showing northern portion of highwall (earlier mined), stable with vegetative cover (mainly annual weeds).

Photo 8. Closer view of southern highwall, showing slope gradients of near vertical.

Photo 9. View of topsoil stockpile stable with vegetative cover, stored at northeastern edge of pit.

Photo 10. View of topsoil berm stored along southern edge of pit.

Inspection Contact Address

Brad Blasi
Universal Landscape & Aggregate Supply, Inc.
36862 Commerce Circle
Trinidad, CO 81082

Enclosure(s): Temporary Cessation form
Google Earth image of site with Division markings
Technical Revision form
Surety Reduction form
Division's recent bond estimate

CC: Larry and Christine Tortorice
17512 County Road 83
Trinidad, CO 81082

Wally Erickson, DRMS

COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY
1313 Sherman Street, Room 215, Denver, Colorado 80203 Phone (303) 866-3567

TEMPORARY CESSATION NOTICE

(mining activities temporarily cease for more than a one-year period)

Today's date:_____

Permit number: M- _____ Site name:_____

County:_____ TC number: *(DRMS use only)*

Permittee making request:_____

Operator (if other than permittee):_____

Date the initial five-year period of Temporary Cessation begins: _____

Reason mining activities (materials extraction, processing, hauling) have ceased:

_____

_____

Description of plan to resume operations:

_____

_____

Description of plan to meet performance standards of Rule 3.1 during temporary cessation (reclamation, weed control, monitoring, signs, markers, etc.):

_____

_____

Number of affected acres:_____

Amount of financial warranty (bond) on deposit with the state: $_____

Required fees for Temporary Cessation by permit type (please mark the correct fee and submit it with this request for Temporary Cessation):

Permit type	**Required TR fee**	**Submitted (mark only one)**
Construction Materials	$144	☐
Hard Rock/ Metal Mining	$115	☐

The above-referenced permit has entered Temporary Cessation. This site has reserves remaining to be mined.

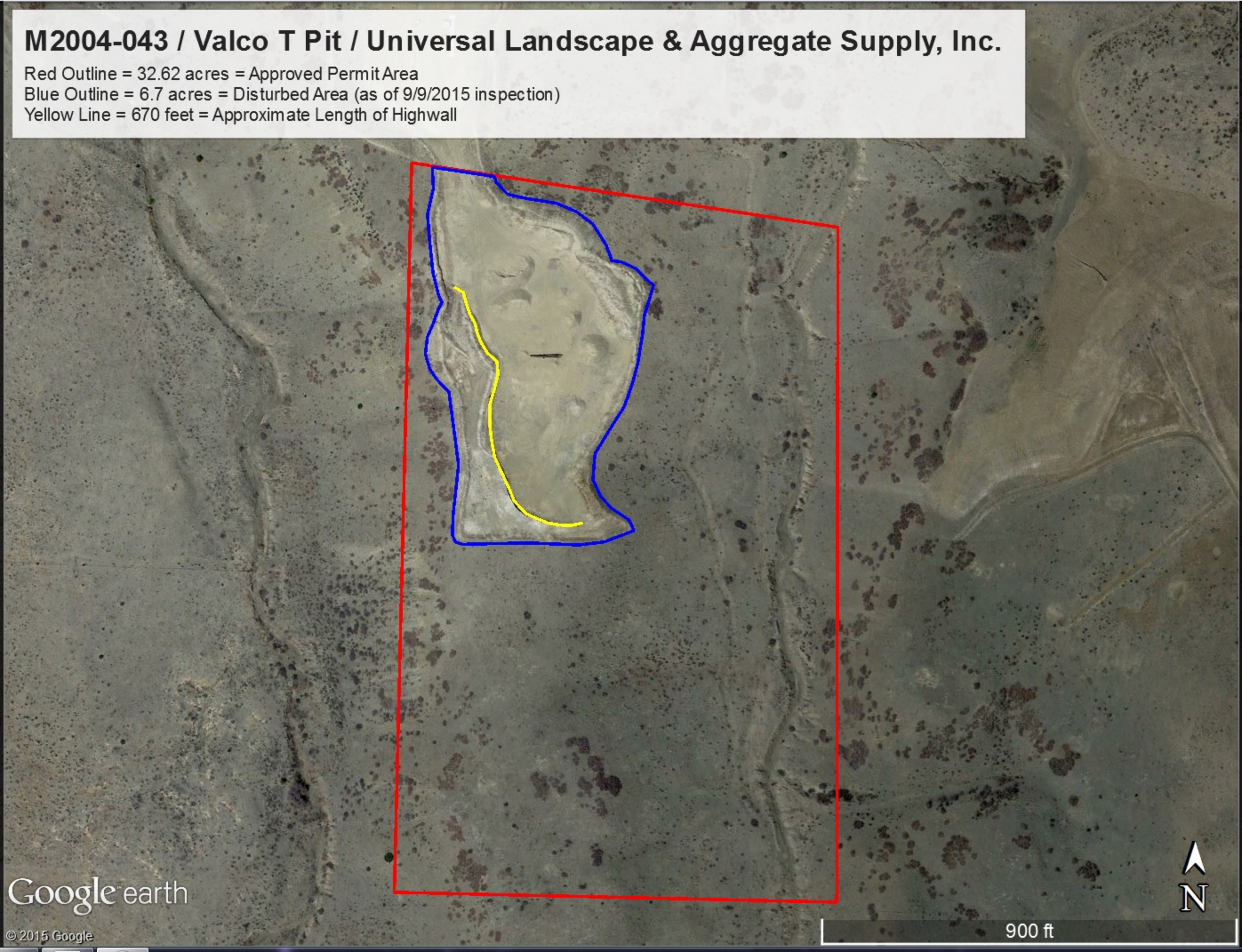
Operator's signature:_____

Please note:

1. *While in Temporary Cessation, the operator must continue to comply with the Rules and Act, including maintaining the site, and must continue to file an annual report and annual fee.*

M2004-043 / Valco T Pit / Universal Landscape & Aggregate Supply, Inc.

Red Outline = 32.62 acres = Approved Permit Area
Blue Outline = 6.7 acres = Disturbed Area (as of 9/9/2015 inspection)
Yellow Line = 670 feet = Approximate Length of Highwall



COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY
1313 Sherman Street, Room 215, Denver, Colorado 80203 ph(303) 866-3567

REQUEST FOR TECHNICAL REVISION (TR) COVER SHEET

File No.: M- _____ Site Name: _____

County _____ TR# _____ *(DRMS Use only)*

Permittee: _____

Operator (If Other than Permittee): _____

Permittee Representative: _____

Please provide a brief description of the proposed revision: _____

_____

_____

As defined by the Minerals Rules, a Technical Revision (TR) is: "a change in the permit or application which does not have more than a minor effect upon the approved or proposed Reclamation or Environmental Protection Plan." The Division is charged with determining if the revision as submitted meets this definition. If the Division determines that the proposed revision is beyond the scope of a TR, the Division may require the submittal of a permit amendment to make the required or desired changes to the permit.

The request for a TR is not considered "filed for review" until the appropriate fee is received by the Division (as listed below by permit type). Please submit the appropriate fee with your request to expedite the review process. After the TR is submitted with the appropriate fee, the Division will determine if it is approvable within 30 days. If the Division requires additional information to approve a TR, you will be notified of specific deficiencies that will need to be addressed. If at the end of the 30 day review period there are still outstanding deficiencies, the Division must deny the TR unless the permittee requests additional time, in writing, to provide the required information.

There is no pre-defined format for the submittal of a TR; however, it is up to the permittee to provide sufficient information to the Division to approve the TR request, including updated mining and reclamation plan maps that accurately depict the changes proposed in the requested TR.

Required Fees for Technical Revision by Permit Type - Please mark the correct fee and submit it with your request for a Technical Revision.

Permit Type	**Required TR Fee**	**Submitted** (mark only one)
110c, 111, 112 construction materials, and 112 quarries	$216	☐
112 hard rock (not DMO)	$175	☐
110d, 112d(1, 2 or 3)	$1006	☐

COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY
1313 Sherman Street, Room 215, Denver, Colorado 80203 ph(303) 866-3567

REQUEST FOR FULL OR PARTIAL RELEASE OF PERMIT AREA/SURETY REDUCTION

Please indicate if you are requesting:
FULL/FINAL RELEASE OF ENTIRE PERMITTED AREA (per Rule 4.17) ☐

ACREAGE REDUCTION (PARTIAL RELEASE per Rule 4.17) ☐

I wish to release_____acres at this time.
You will need to submit with this request: a map showing the acreage to be released from the current permit and updated mining and reclamation plan maps that will accurately depict the new permit boundary if the release is approved.

SURETY (Bond) REDUCTION (per Rule 4.14) ☐
If you are requesting a surety (bond) reduction you will need to include with this request a new estimate of the actual cost to reclaim the site based on what it would cost an independent contractor to complete reclamation, including unit costs for reclamation activities as appropriate to the operation to comply with the provisions of Rule 3.1 and the Permit's approved Reclamation Plan.

File No.: M- _____ Site Name:_____

County:_____

Permittee:_____

Permittee Address: _____

_____

Operator (If Other than Permittee):_____

Permittee Representative:_____

Certified Mail# _____

In accordance with Rule 4.17.1(2) the Operator shall include the names, addresses and phone numbers of all owners of record to the affected land. Please attach additional sheets for this information if required.

_____

_____

_____

_____

_____

_____

Continue on following page..

In accordance with Rule 4.17.1(4), if requesting a full or partial acreage release the Operator or their agent MUST sign that they have complied with the following statement: “All applicable portions of the Reclamation Plan requirements have been satisfied in accordance with these Rules and all applicable requirements under the Act.”

_____ _____

Signature of Permittee, Operator or their authorized agent **Date**

Important: In accordance with Rules 4.14.2(a) and 4.17.1(3)This release request must be submitted to the Division via certified mail and separate from any other correspondence to the Division.

COST SUMMARY WORK

Task description: **Cost Summary**

Site: **Valco T Pit** Permit Action: SO-03 2015 Permit/Job#: M2004043

PROJECT IDENTIFICATION

Task #: 000 State: Colorado Abbreviation: None
Date: 9/11/2015 County: Las Animas Filename: M043-000
User: AME

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Grade highwall from 0H:1V to 3H:1V	DOZER	2	0.61	$321.00
002	Spread 6" topsoil across 7 acres	DOZER	2	14.58	$7,688.00
003	Revegetate 7 acres to rangeland	REVEGE	1	28.00	$8,113.00
004	Cover crop of oats on 7 acres	REVEGE	1	14.00	$3,572.00
005	Mobilization/Demobilization	MOBILIZE	1	4.43	$3,103.00
	SUBTOTALS:			**61.62**	**$ $22,797**

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	$460.50
Performance bond:	1.05	Total =	$239.37
Job superintendent:	0.00	Total =	$0.00
Profit:	10.00	Total =	$2,279.70
		TOTAL O & P =	$2,979.57
		CONTRACT AMOUNT (direct + O & P) =	$25,776.57

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	500.00	Total =	500.00
Engineering work and/or contract/bid preparation:	0.00	Total =	$0.00
Reclamation management and/or administration:	5.00		$1,288.83
CONTINGENCY:	0.00	Total =	$0.00
		TOTAL INDIRECT COST =	$4,768.40
		TOTAL BOND AMOUNT (direct + indirect) =	**$27,565.40**

BULLDOZER WORK

Task description: **Grade highwall from 0H:1V to 3H:1V**

Site: **Valco T Pit** Permit Action: SO-03 2015 Permit/Job#: M2004043

PROJECT IDENTIFICATION

Task #:	001	State:	Colorado	Abbreviation:	None
Date:	9/11/2015	County:	Las Animas	Filename:	M2004043-001
User:	AME				

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine:	Cat D7R DS XR Series II
Horsepower:	238
Blade Type:	Semi-Universal
Attachment:	3-shank ripper
Shift Basis:	1 per day
Data Source:	(CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$46.88	NA
Operating Cost/Hour:	$79.23	100
Ripper op. Cost/Hour:	$0.00	15
Operator Cost/Hour:	$38.01	NA

Total unit Cost/Hour: 0
Total Fleet Cost/Hour: **$328.23**

MATERIAL QUANTITIES

Initial Volume:	931
Swell factor:	1.250
Loose volume:	**1,164** LCY

Source of estimated volume: DRMS Inspection 9/9/15: 670'L x 10'H
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 50 feet
Unadjusted hourly production: 1,022.9 LCY/hr

Materials consistency description: Compacted fill or embankment 0.9

Average push gradient: -30 %
Average site altitude: 6,020 feet

Material weight: 2,650 lbs/LCY

Weight description: Decomposed rock - 25% Rock, 75% Earth

Job Condition Correction Factor		Source
Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.200	(SLOT)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	1.000	(DOZ-OC)

Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.9343

Adjusted unit production: 955.70 LCY/hr

Adjusted fleet production: **1911.4** LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)

Unit cost: $0.172/LCY

Total job time: **0.61** Hours

Total job cost: **$200**

BULLDOZER WORK

Task description: **Spread 6" topsoil across 7 acres**

Site: **Valco T Pit** Permit Action: SO-03 2015 Permit/Job#: M2004043

PROJECT IDENTIFICATION

Task #: 002 State: Colorado Abbreviation: None
Date: 9/11/2015 County: Las Animas Filename: M043-002
User: AME

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS XR Series II
Horsepower: 238
Blade Type: Semi-Universal
Attachment: 3-shank ripper
Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$46.88	NA
Operating Cost/Hour:	$79.23	100
Ripper op. Cost/Hour:	$0.00	15
Operator Cost/Hour:	$38.01	NA

Total unit Cost/Hour: 0
Total Fleet Cost/Hour: **$328.23**

MATERIAL QUANTITIES

Initial Volume: 4,648
Swell factor: 1.215
Loose volume: **5,647** LCY

Source of estimated volume: DRMS inspection 9/9/15: 7ac x 6" deep
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 300 feet
Unadjusted hourly production: 311.1 LCY/hr

Materials consistency description: Consolidated stockpile 1.0

Average push gradient: 5 %
Average site altitude: 6,020 feet

Material weight: 1,600 lbs/LCY

Weight description: Top Soil

Job Condition Correction Factor		Source
Operator Skill:	0.750	(AVG.)
Material consistency:	1.000	(CAT HB)
Dozing method:	1.100	(50% SL)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)

Push gradient:	0.903	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6224

Adjusted unit production: 193.63 LCY/hr
Adjusted fleet production: **387.26** LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: $0.848/LCY

Total job time: **14.58** Hours
Total job cost: **$4,787**

REVEGETATION WORK

Task description: **Revegetate 7 acres to rangeland**

Site: **Valco T Pit** Permit Action: SO-03 2015 Permit/Job#: M2004043

PROJECT IDENTIFICATION

Task #: 003 State: Colorado Abbreviation: None
Date: 9/11/2015 County: Las Animas Filename: M043-003
User: AME

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			$	$
			Total Fertilizer Materials Cost/Acre	**$0.00**

Application

Description	Cost /Acre
	$
Total Fertilizer Application Cost/Acre	**$0.00**

TILLING

Description	Cost /Acre
	$
Total Tilling Cost/Acre	**$0.00**

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Lovington	3.00	48.97	$32.58
Little Bluestem - Pastura	7.00	41.78	$110.67
Sideoats Grama - Vaughn	9.00	29.55	$101.16
Western Wheatgrass - Barton	16.00	40.40	$58.88
Totals Seed Mix	35.00	160.70	**$303.29**

Application

Description	Cost /Acre
Drill seeding (MEANS 32 92 19.13 0020)	$404.00
Total Seed Application Cost/Acre	**$404.00**

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			$	$
Total Mulch Materials Cost/Acre				**$0.00**

Application

Description	Cost /Acre
	$
Total Mulch Application Cost/Acre	**$0.00**

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					$
Totals Nursery Stock Cost / Acre					**$0.00**

JOB TIME AND COST

No. of Acres: 7
Estimated Failure Rate: 50%
*Selected Replanting Work Items: SEEDING

Cost /Acre: $707.29
Cost /Acre*: $707.29

Initial Job Cost: **$4,951.03**
Reseeding Job Cost: **$2,475.52**
Total Job Cost: **$7,427**
Job Hours: **28.00**

REVEGETATION WORK

Task description: **Cover crop of oats on 7 acres**

Site: **Valco T Pit** Permit Action: SO-03 2015 Permit/Job#: M2004043

PROJECT IDENTIFICATION

Task #: 004 State: Colorado Abbreviation: None
Date: 9/11/2015 County: Las Animas Filename: M043-004
User: AME

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			$	$
			Total Fertilizer Materials Cost/Acre	**$0.00**

Application

Description	Cost /Acre
	$
Total Fertilizer Application Cost/Acre	**$0.00**

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	$98.01
Total Tilling Cost/Acre	**$98.01**

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Oats - Hytest	25.00	7.46	$8.25
Totals Seed Mix	25.00	7.46	**$8.25**

Application

Description	Cost /Acre
Drill seeding (MEANS 32 92 19.13 0020)	$404.00
	$404.00

Total Seed Application Cost/Acre	

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			$	$
Total Mulch Materials Cost/Acre				**$0.00**

Application

Description	Cost /Acre
	$
Total Mulch Application Cost/Acre	**$0.00**

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					$
Totals Nursery Stock Cost / Acre					**$0.00**

JOB TIME AND COST

No. of Acres: 7
Estimated Failure Rate: 0%
*Selected Replanting Work Items: NONE

Cost /Acre: $510.26
Cost /Acre*: $0.00

Initial Job Cost: **$3,571.82**
Reseeding Job Cost: **$0.00**
Total Job Cost: **$3,572**
Job Hours: **14.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: **Mobilization/Demobilization**

Site: **Valco T Pit** Permit Action: SO-03 2015 Permit/Job#: M2004043

PROJECT IDENTIFICATION

Task #: 005 State: Colorado Abbreviation: None
Date: 9/11/2015 County: Las Animas Filename: M043-005
User: AME

Agency or organization name: DRMS

EQUIPMENT TRANSPORT RIG COST

Shift basis: 1 per day
Cost Data Source: CRG Data

Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED, 400 HP (2ND HALF, 2006)

Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T)

Cost Breakdown:

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	$16.63	$18.37	$22.33
Operating Cost/Hour:	$44.38	$46.13	$50.07
Operator Cost/Hour:	$27.66	$27.66	$27.66
Helper Cost/Hour:	$0.00	$25.39	$25.39
Total Unit Cost/Hour:	$88.67	$117.55	$125.45

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat D7R DS XR Series II	35.93	$0.00	$117.55	2	$235.10	$235.10	$500.00
Drill/Broadcast Seeder with Tractor	25.00	$39.59	$88.67	1	$128.26	$88.67	$250.00
Subtotals:					**$363.36**	**$323.77**	**$750.00**

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Subtotals:			**$0.00**	**$0.00**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	TRINIDAD	
Total one-way travel distance:	6.00	miles
Average Travel Speed:	55.00	mph

Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	$3,103.36
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	$0.00

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.11	0.11
Return Time (Hours):	0.11	0.11
Loading Time (Hours):	1.00	NA
Unloading Time (Hours):	1.00	NA
Subtotals:	2.22	0.22

JOB TIME AND COST

Total job time:	**4.44**	Hours
Total job cost:	**$3,103**	