LAND RECLAMATION COMMISSION

STATE OF MISSOURI
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO
CEDAR VALLEY QUARRY

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements In the application, a permit is hereby granted to engage in surface mining of limestone in the state of Missouri. The extent of the Proposed mining operation(s) will be on eight acres, more or less.
The locations of the operation(s) under this permit is/are as follows: Renewal

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Montgomery	02	47N	06W	8	0	8	Cedar Valley Quarry	1878

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 8th day of July 2004

DIRECTOR OF STAFF
Land Reclamation Commission

Permit No. 0882
Effective Date 07/19/2004
Expiration Date 07/18/2005

MO 780-1122 (6-95)

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JUN 1 8 2004

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

MAY 2 8 2004

PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

MISSOURI LAND RECLAMATION COMMISSION

MISSOURI LAND RECLAMATION COMMISSION

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL		DATE	
CEDAR VALLEY QUARY		5/24/04	
ADDRESS	CITY	STATE	ZIP CODE
10 MINDEN CT	ST CHAS	MO	63301
CONTACT PERSON		TELEPHONE NUMBER	
FRED JONES		314-378-3880	

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	**Mark each month that the site will be operated during the permit year**	For sites operated less than six months per permit year pay **$150** For sites operated six months or more per permit year pay **$300**
1. CEDAR VALLEY	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	$ 300
2.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	$
3.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	$
4.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	$
5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	$
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	$
TOTAL SITE FEE →		$

2. Acreage Fee $5 X 8 **number of acres bonded** ..... $ 40

3. Annual Permit Fee ..... $ 500

4. Total Fee (Add totals from 1, 2 and 3) ..... $ 840.00

NOTE: If Total Fee exceeds $2,500.00 then pay only ..... $ 2,500

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee ..... $ 300

SIGNATURE OF APPLICANT	TITLE	DATE
Fred Jones	OWNER	5/24/04

Appeared before me this 15th day of JUNE, 20 04, _____ to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSER SEAL	STATE OF	COUNTY (OR CITY OF ST. LOUIS)
	MISSOURI	ST. CHARLES
	SUBSCRIBED AND SWORN BEFORE ME, THIS 15th DAY OF JUNE YEAR 2004	USE RUBBER STAMP IN CLEAR AREA BELOW.
	NOTARY PUBLIC SIGNATURE: Donna A. Mitchell — MY COMMISSION EXPIRES: 8/27/05	DONNA A. MITCHELL Notary Public — Notary Seal STATE OF MISSOURI St. Charles County My Commission Expires: Aug. 27, 2005
	NOTARY PUBLIC NAME (TYPED OR PRINTED): DONNA A. MITCHELL	

FOR DEPARTMENT USE ONLY: APPROVED BY	DATE APPROVED	PERMIT NUMBER	EXPIRATION DATE
[signature]	6-29-04	0882	7-18-05

MO 780-1780 (12-02)

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MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

SITE INFORMATION FORM

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER CEDAR VALLEY QUARRY, ~~[illegible]~~. Fd 5-2-01	PERMIT NUMBER 0882

COMPANY NAME
CEDAR VALLEY QUARRY, LLC.

COUNTY	1/4 SECTION	SECTION
MONTGOMERY	SW 1/4 of NE 1/4	2
TOWNSHIP	**RANGE**	**ACRES**
47N	6W	110

RIVER OR STREAM NAME (FOR IN-STREAM ACRES)
NA

MINERAL COMMODITY	ESTIMATED TONS/YEAR (FOR GRAVEL SITES)
LIMESTONE	NA

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE)
MONTGOMERY PROPERTIES, LLC

ADDRESS
10 MINDEN COURT

CITY	STATE	ZIP CODE
ST CHARLES	MO	63301

SOURCE OF RIGHT TO MINE (CHECK ONE):

- [ ] MINERAL DEED
- [ ] WARRANTY DEED
- [ ] OTHER (DESCRIBE):
- [X] LEASE
- [ ] VERBAL AGREEMENT

DATE OF AGREEMENT

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE)
MONTGOMERY PROPERTIES LLC

ADDRESS
10 MINDEN COURT

CITY	STATE	ZIP CODE
ST CHARLES	MO	63301

SOURCE OF RIGHT TO MINE (CHECK ONE):

- [ ] MINERAL DEED
- [ ] WARRANTY DEED
- [ ] OTHER (DESCRIBE):
- [X] LEASE
- [ ] VERBAL AGREEMENT

DATE OF AGREEMENT

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.

MO 780-1036 (12-91)

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MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):
☐ SHORT TERM, FOR ONE PERMIT YEAR
☒ LONG TERM, FOR PERIOD THROUGH DATE:

COMPANY NAME CEDAR VALLEY QUARRY

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

THIS SITE CONSISTS OF 110 ACRES LOCATED IN MONTGOMERY COUNTY. THE PROPERTY IS STEEPLY SLOPED WITH MINIMAL AREAS OF CLEARANCE. THE SLOPES ARE PREDOMINATELY COVERED WITH CEDARS AND UNDERBRUSH. THE MINE SITE DRAINS INTO TURKEY CREEK ON THE SOUTH SIDE.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

LESS THAN 6 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

BULLDOZERS WILL BE USED TO REMOVE THE TREES AND BRUSH FROM THE AREAS. AT THAT POINT SCRAPERS WILL BE USED TO REMOVE THE TOPSOIL AND SUBSOIL. THIS WILL BE DONE DURING THE SUMMERTIME. OVERBURDEN REMOVAL WILL ALWAYS ADVANCE FIFTY FEET AHEAD OF THE HIGHWALL.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

THE SCRAPERS WILL PLACE THE OVERBURDEN IN PILES FOR STORAGE. THE PILES WILL BE TERRACED AND SEEDED WITH GRASS TO PREVENT EROSION.

PERMIT NO. SITE NO.+/or NAME

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B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

SPOILS WILL BE PLACED IN THE MINED OUT PORTION OF THE PIT TO RAISE THE FLOOR LEVEL. THIS AREA WILL SERVE AS STOCKPILE STORAGE AND A FUTURE INDUSTRIAL SITE.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

NA

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

PIT AREA CONSIST OF 8 ACRES IN THE SOUTHWEST CORNER OF THE PERMIT AREA.

YES	NO	
☐	☒	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
☐	☒	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
☐	☒	Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

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RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
1	INDUSTRIAL SITE	FALL

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

THE GROUND WILL BE PREPARED WITH A DISK AND HARROW. THE SEED WILL BE BROADCAST WITH A SEEDER AND INCORPORATED WITH A HARROW.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
FESCUE	35		
WHEAT	30		
CLOVER	3-5		

REVEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
NA		

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

NA

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
NA			

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

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B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

THE FLOOR OF THE PIT WILL BE GRADED TO A LESS THAN 3% SLOPE. ONCE THE AREA IS NO LONGER USED STOCKPILE STORAGE, IT WILL BE SOLD FOR COMMERCIAL LOTS. ALL SLOPES WILL BE GRADED TO ALLOW FARM EQUIPMENT TO ACCESS IT.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

GRADING WILL BE COMPLETED ON THE SLOPES AT THE TIME OF FINAL RECLAMATION. SPOILS WILL PLACED IN THE MINED AREAS AND ALL GRADING WILL BE COMPLETED WITHIN ONE YEAR OF PERMIT EXPIRATION.

REPLACEMENT OF TOPSOIL

ALL AREAS TO BE TOPSOILED WILL BE COMPLETED WITHIN ONE YEAR OF PERMIT EXPIRATION.

REVEGETATION

ALL AREAS THAT HAVE TOPSOIL REPLACED WILL BE SEEDED DURING THE FIRST OPTIMUM SEEDING PERIOD FOLLOWING THE TOPSOIL PLACEMENT.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

3 INCHES TOPSOIL AND 9 INCHES OF SUBSOIL FOR A TOTAL OF 12 INCHES

D. USE OF LAND WHEN RECLAIMED Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	
Agricultural (pasture, cropland, and horticultural)	
Development (residential, industrial, and recreational)	110
Water impoundments (for wildlife, agricultural, or development)	

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.

2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.

3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.

4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

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SIGNATURE OF APPLICANT	TITLE	DATE
Fred Jones	OWNER	5-14-01

NOTARY PUBLIC EMPOSSER SEAL	STATE	COUNTY (OR CITY OF ST. LOUIS)
	Missouri	Cole
	SUBSCRIBED AND SWORN BEFORE ME, THIS 17th DAY OF May 2001	USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE: Susan L. Beahan — MY COMMISSION EXPIRES: 11-1-03	SUSAN L. BEAHAN NOTARY PUBLIC, STATE OF MISSOURI COUNTY OF COLE My Commission Expires 11-1-03
	NOTARY PUBLIC NAME (TYPED ~~OR PRINTED~~): SUSAN L. BEAHAN	

APPROVED BY (DIRECTOR'S REPRESENTATIVE)	DATE APPROVED	PERMIT NUMBER
[illegible]	7-19-01	0882

PERMIT NO._____ SITE NO.+/or NAME

CEDAR VALLEY Quarry
Permit # 0082

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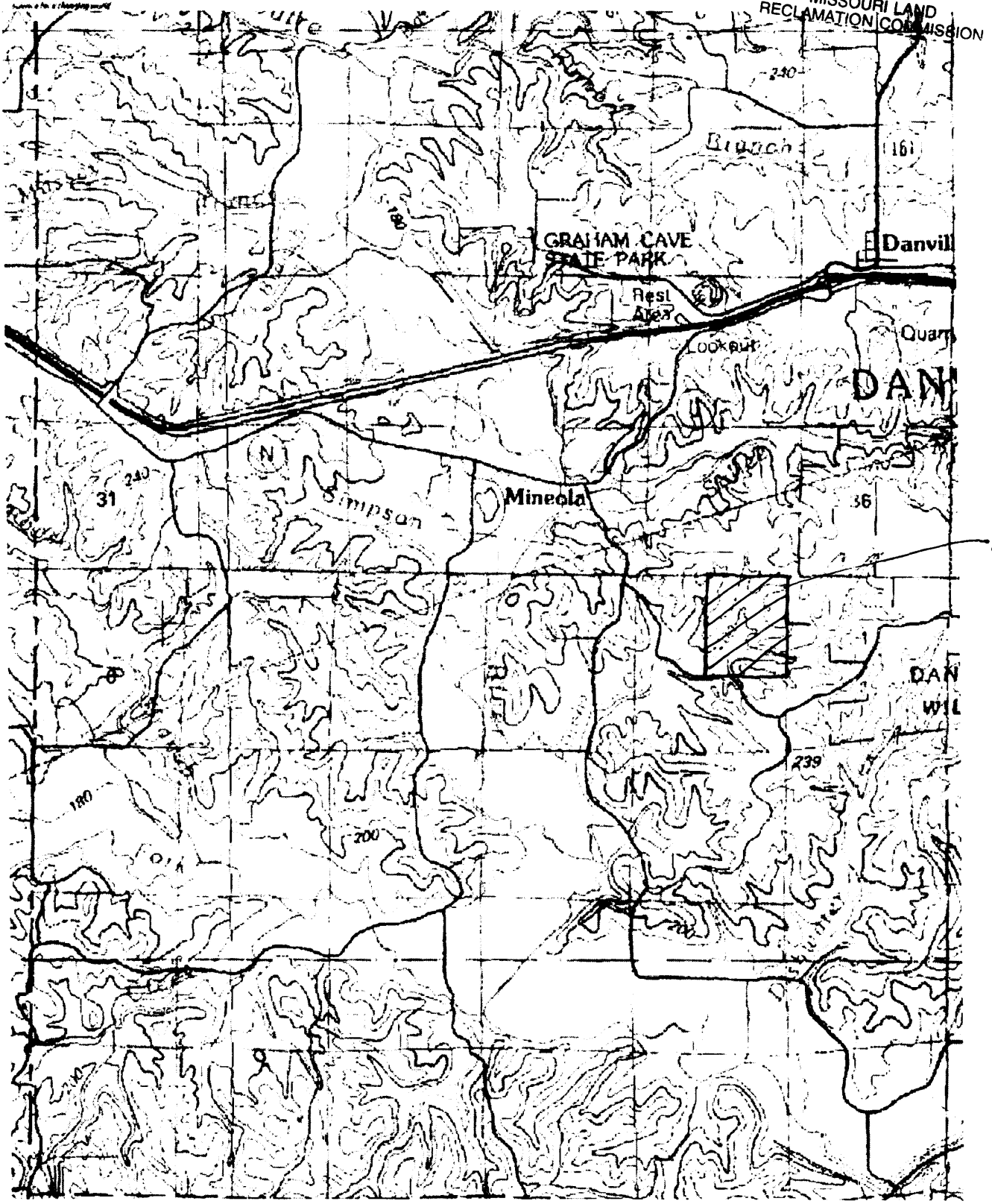
Microsoft TerraServer **Display Image** **USGS Topo Map**

119 km W of St. Louis, Missouri, United States 01 Jul 1975



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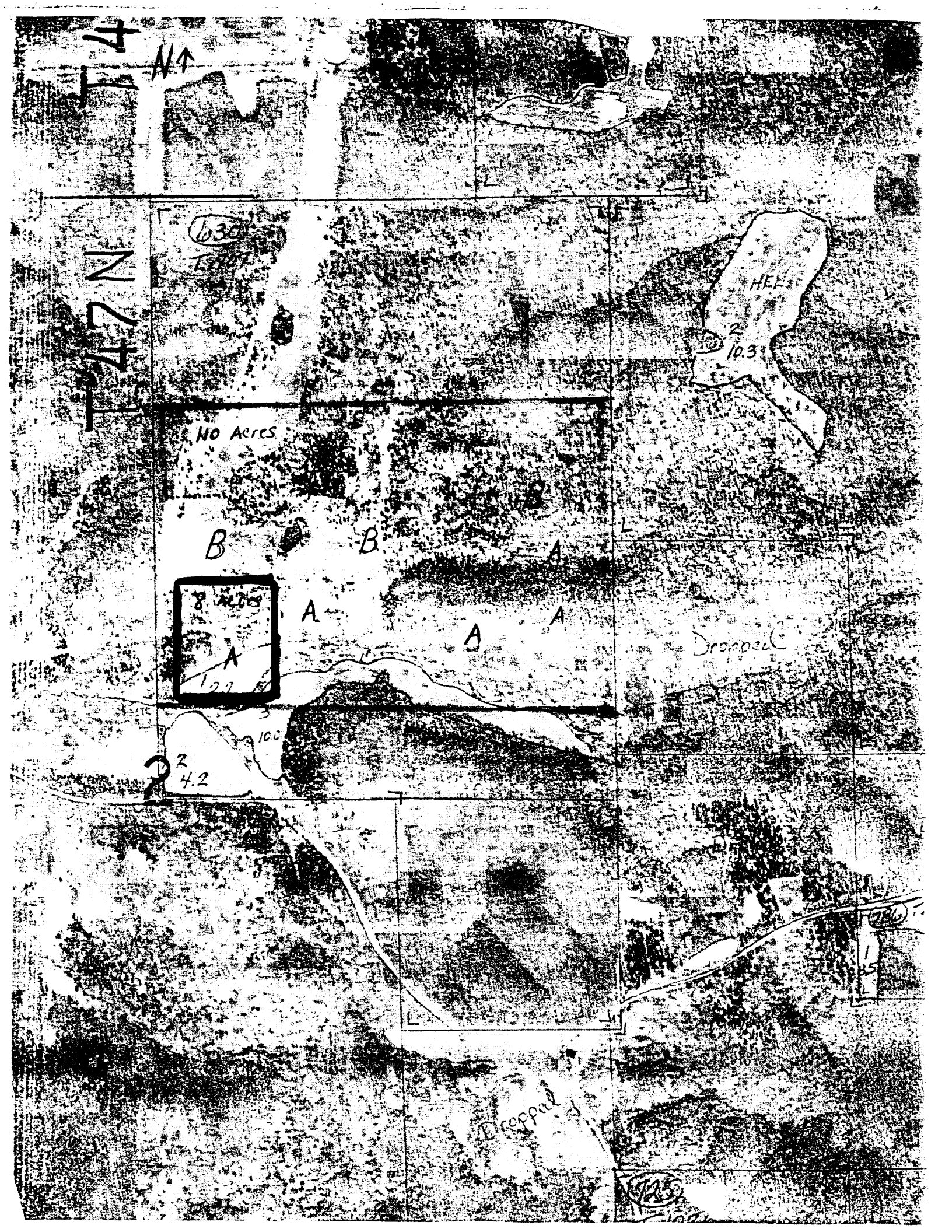
DETAIL MAP KEY FOR CEDAR VALLEY QUARRIES PERMIT APPLICATION

1) THE BOUNDARIES OF THE PERMITTED AREA IS OUTLINED IN RED AND COVERS 8 ACRES. THE 110 ACRES INCLUDED IN THE LONG TERM MINE PLAN ARE OUTLINED IN PURPLE.
2) THE PROPERTY LINES FOR THE 215 ACRE TRACT OF PROPERTY ARE OUTLINED IN GREEN. THE OWNER OF THE SURFACE AND SUBSURFACE RIGHTS WITHIN THE MINE PLAN IS CEDAR VALLEY QUARRIES. THE PROPERTY OWNER OF THE ACREAGE WITHIN THE MINE PLAN IS MONTGOMERY PROPERTIES LLC.
3) NO PUBLIC ROADS ARE WITHIN 100 FEET OF THE PERMIT AREA.
4) THERE ARE NO TERRRACES, DIVERSIONS, OR WATERWAYS WITHIN THE MINE PLAN AREA.
5) TWO AREAS HAVE BEEN DESIGNATED ON THE MINE DETAIL MAP FOR POST-MINING USE AS DESCRIBED ON PAGE 4 OF THE MINE PLAN. AREA 'A' IS THE PROJECTED ACREAGE WHERE MINING WILL OCCUR. THIS AREA WILL BE GRADED FOR DRAINAGE AND SOLD AS COMMERCIAL LOTS. AREA 'A' CONSIST OF THE 8 PERMITTED ACRES AS WELL AS THE LAND TO THE NORTH AND EAST OF THE PERMITTED AREA. THE REMAINING ACREAGE WITHIN THE LONG RANGE MINE PLAN AREA HAS BEEN DESIGNATED AS 'B'. AREA 'B' IS THE TRANSITION SLOPES FROM THE TOP OF THE OVERBURDEN OF THE UNDISTURBED AREAS TO THE TOP OF THE HIGHWALL. THESE SLOPES WILL BE GRADED SO AS TO MAKE THEM ACCESSIBLE TO FARM EQUIPMENT.
6) THE MAP SCALE FOR THE DETAIL MAP IS 1INCH= 650 FEET. THE NORTH ARROW HAS BEEN LABELED ON THE TOP OF THE MAP.
7) CEDAR VALLEY QUARRIES WILL OPERATE THE MINING OPERATION ON THE PROPERTY IN MONTGOMERY COUNTY. THE PROPERTY IS LOCATED IN TOWNSHIP 47N, RANGE 6 WEST, SECTION 2. THE MAP USED FOR THE DETAIL MAP IS AN ASCS AERIAL MAP THAT WAS PREPARED FOR THE USDA FIELD OFFICE IN SALT LAKE CITY, UTAH IN APRIL OF 1990. THE USDA ASCS OFFICE STATES THAT IT IS THE MOST CURRENT MAP AVAILABLE.
8) TURKEY CREEK IS PRESENT IN THE MINE PLAN AREA.



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