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
CROWN QUARRY, L.L.C.

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 58 acres, more or less.
The locations of the operation(s) under this permit is/are as follows: Transfer

County	Section	Township	Range	Acres Renewed	Acres Transferred	Total Acres	Site/Stream Name	Site Number
Lincoln	24	48N	01W	0	58	58	Crown Quarry, L.L.C.	0095
							Transferred from Fred Webber/Troy Site	

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 25th day of August 2004

DIRECTOR OF STAFF
Land Reclamation Commission

Permit No. 0939
Effective Date 08/25/2004
Expiration Date 12/31/2004

MO 780-1122 (6-95)

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MISSOURI LAND RECLAMATION COMMISSION

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

PERMIT TRANSFER

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

PERMIT TRANSFER (FOR TRANSFERRING PERMITTED ACRES FROM ONE OPERATOR TO ANOTHER)

NAME OF CURRENT PERMIT HOLDER: FRED WEBER, INC	PERMIT NUMBER: 0062
SITE(S): TROY QUARRY (SITE 0095)	
ADDRESS: 2060 MEYER RD.	
CITY: TROY / STATE: MO	ZIP CODE: 63379
CONTACT PERSON: BRIAN WRIGHT	TELEPHONE NUMBER: 314 344-0070

TO BE COMPLETED BY THE CURRENT PERMIT HOLDER
List all reclamation bonds which are held on this permit:

BONDING COMPANY	BOND NUMBER	BOND DATE	AMOUNT
ST. PAUL	SS1032	12/30/2003	$96,500

TO BE COMPLETED BY PROPOSED SUCCESSOR

NAME OF PROPOSED SUCCESSOR: CROWN QUARRY L.L.C.	
ADDRESS: 640 WOODCHUCK LN. (office address)	
CITY: LAKE ST LOUIS / STATE: MO	ZIP CODE: 63367
CONTACT PERSON: Richard Green	TELEPHONE NUMBER: 636-561-7258

List any other Land Reclamation Commission Permits currently or previously held by successor or companies owned or partially controlled by successor.

NAME OF COMPANY	PERMIT NUMBER	MINERAL
N/A		

NOTE: The successor company must provide proof of bond replacement and an affidavit of public notification requirements.

MO 780-1333 (5-02)

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TRANSFER OF RECLAMATION RESPONSIBILITY

In consideration of receiving the right to mine for LIMESTONE (MINERAL), on the land covered by Missouri Surface Mining Permit Number 0062 - SITE 0095, which consists of 58 acres located in Section(s) 24, Township(s) 48N, Range(s) 1W, LINCOLN County, Missouri, CROWN QUARRY L.L.C. (PROPOSED SUCCESSOR), a Missouri corporation, Missouri partnership, or individual, assumes all responsibility for reclaiming the land previously mined under the aforesaid permit by FRED WEBER, INC. (FORMER OPERATOR).

All reclamation of the above identified land shall be performed in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMo 2001.

Notwithstanding, the current permit holder agrees to continue to abide by the Missouri Land Reclamation Act and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to the above operation until such time as the transfer application is approved by the Missouri Land Reclamation Program.

The undersigned certify the information give above to be correct, complete and true, and agree to the above assumption of reclamation responsibility.

PROPOSED SUCCESSOR COMPANY		DATE
Crown Quarry L.L.C		27 Feb 04
SIGNATURE	NAME	TITLE
Richard M Green	Crown Quarry L.L.C.	President
CURRENT OPERATOR COMPANY		DATE
FRED WEBER, INC.		2-2-04
SIGNATURE	NAME	TITLE
	TONY GIORDANO	V.P.

Appeared before me this 2nd day of February, 2004, Tony Giordano & Richard M. Green to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSER SEAL	STATE	COUNTY (OR CITY OF ST. LOUIS)
	Missouri	St. Louis
	SUBSCRIBED AND SWORN BEFORE ME, THIS 2nd DAY OF February YEAR 2004	USE RUBBER STAMP IN CLEAR AREA BELOW.
	NOTARY PUBLIC SIGNATURE: Tracy K. Oetker — MY COMMISSION EXPIRES: 5-12-04	TRACY K. OETKER NOTARY PUBLIC - STATE OF MISSOURI ST. CHARLES COUNTY MY COMMISSION EXPIRES: MAY 12, 2004
	NOTARY PUBLIC NAME (TYPED OR PRINTED): Tracy K. Oetker	

FOR DEPARTMENT USE ONLY: APPROVED BY	TITLE	DATE APPROVED
	ES II	6-24-04

MO 780-1333 (5-92)

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION

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

Complete this form for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER	PERMIT NUMBER
Crown Quarry L.L.C.	0939

COMPANY: Crown Quarry L.L.C

COUNTY	1/4 SECTION	SECTION
Lincoln	SE	24
TOWNSHIP	**RANGE**	**ACRES**
48N	1W	65.19 Acres

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

MINERAL COMMODITY	ESTIMATED TONS/YEAR (GRAVEL SITES)
Limestone	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE): Richard Green

ADDRESS: 640 Woodchuck Ln

CITY	STATE	ZIP CODE
Lake St Louis	MO	63367

SOURCE OF RIGHT TO MINE (CHECK ONE):

- ☐ MINERAL DEED
- ☒ WARRANTY DEED
- ☐ OTHER (DESCRIBE):
- ☐ LEASE
- ☐ VERBAL

DATE OF AGREEMENT:

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MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE): same as landowner

ADDRESS:

CITY	STATE	ZIP CODE

SOURCE OF RIGHT TO MINE (CHECK ONE):

- ☐ MINERAL DEED
- ☒ WARRANTY DEED
- ☐ OTHER (DESCRIBE):
- ☐ LEASE
- ☐ VERBAL

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 (12-02)

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

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

COMPANY NAME
Crown Quarry L.L.C

TYPE OF PLAN (CHECK ONE):
☐ SHORT TERM, FOR ONE PERMIT YEAR
☒ LONG TERM, FOR PERIOD THROUGH DATE: 2020

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

See Exibit A.

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

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING: 12 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE? ☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Dozer and/or
Rubber-tire scrapers and/or high lift and truck

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

stockpile topsoil to form berms and/or stockpile. there will be seeded to establish vegetation and prevent erosion.

PERMIT NO. 0939

SITE NUMBER/NAME Crown Quarry L.L.C.

EXHIBIT A

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Description of Site Prior to Permitting

Original permitted area (10 acres) was a low-forested hillside and a portion of a relatively flat cropland area.

Description of the area covered under this permit expansion (55 additional acres) is as follows:

From the existing pit area to the south is a gently sloping hillside with an approximate slope of 6%. This area was once cropland and is now covered with grasses and weeds of various species. The hill crests approximately 500 feet from the south rim of the current excavation.

From the west rim of the current pit to the west is an irregular strip of land approximately 250 feet wide, north to south, and approximately 1600 long, east to west. This area is bounded by Sand Creek to the north, a forested area of deciduous trees of various species to the south, County Road 729 to the west and the current stockpile area to the east. This area was once cropland and is now supporting vegetation such as volunteer wheat, grasses, and weeds of various species. This area is relatively flat to level, east to west and gently sloping down toward Sand Creek at an approximate 4% grade.

From the north rim of the current pit area toward the north is a strip of land approximately 850 feet wide, east to west, and approximately 1600 feet long, north to south. This area is a hillside with an approximate grade of 5%. This area is presently utilized as cropland. Sand Creek and deciduous trees of various species bound this area on the south side. The east, north, and west boundaries of this area is forest composed of deciduous trees of various species.

Soil types in the expanded permit area, per the "Lincoln County Soil Survey", 1984 edition, are Haymond silt loam found along flood plains and small tributaries, and Hatton and Keswick silt loams found on side slopes and ridge tops.

The nearest building to the permit area is approximately 500 feet away. This building is the property of Richard Green, the permit area landowner.

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FRED WEBBER #62
TROY QUARRY

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

Spoil will be removed with rubber-tire scrapers, high lifts, track dozers and trucks. See Site Map for spoil disposal location.

C. ACID MATERIALS

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

None

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PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

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

See Site Map

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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.)

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
	Industrial	Spring and Fall

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Hydro-seeding and fertilizing will be used along with power blown or hand scattered straw mulch. Flat areas will be handled with conventional farm equipment.

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
Crown Vetch	20		
Ky 31 Tall Fescue	50		
Wheat	30		

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

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

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RECLAMATION COMMISSION

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

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

See Exhibit B

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

GRADING

Grading will occur year round, as needed, as the pit advances. Final grading will be completed within one (1) year of the permit's expiration and in accordance with 10 CSR 10.050(10)(A)

REPLACEMENT OF TOPSOIL

Topsoil will be replaced within one(1) year of permit expiration and in accordance with 10 CSR 40-10.050(10)(A)

REVEGETATION

All topsoiled areas will be seeded during or before the first Spring following topsoil replacement and in accordance with 10 CSR 40-10.050(10)(B)

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AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

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)	~~23~~ 22 Acres DM 6-18-99
Water impoundments (for wildlife, agricultural, or development)	43 Acres

EXHIBIT B

POST MINING PROPERTY DESCRIPTION

Upon completion of mining operations, the total pit area should be approximately 40 acres and tops of the highwalls to the pit floor will vary in depth from 35 to 90 feet deep. The pits, approximately 20 acres each will lie on both the north and south sides of Sand Creek, which bisects the lease property. Since the pits will be below the elevation of the bed of Sand Creek, the most appropriate post mining use of the pit areas is to allow the pits to fill with water and become recreational lakes.

The rim of the pit areas will be graded such that a 3:1 dirt slope can be maintained from the lease boundary to the rim of the pits. In the event that the pit areas do not advance close to the lease boundaries (do to limited sales, etc.), a 3:1 slope will be maintained from the rim to the existing ground elevation.

All spoil disposal areas will be covered with 1 foot of topsoil to establish vegetative cover and graded such that a 3:1 slope to existing elevations can be easily maintained. Spoil disposal areas will be limited due to the landowners (Richard Green) consumption of fill material to improve his airport runway which is located to the south of the permit area. The amount of fill required to perform this work exceeds the amount of spoil disposal required to mine the long term mine plan area.

All slopes will be graded and seeded immediately upon the cessation of mining operations.

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RECEIVED
JUN 1 7 1999
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RECLAMATION COMMISSION

FRED WEBBER
#62 TROY QUARRY

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 444.790, RSMo 2001, 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 lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.

4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.

5. 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 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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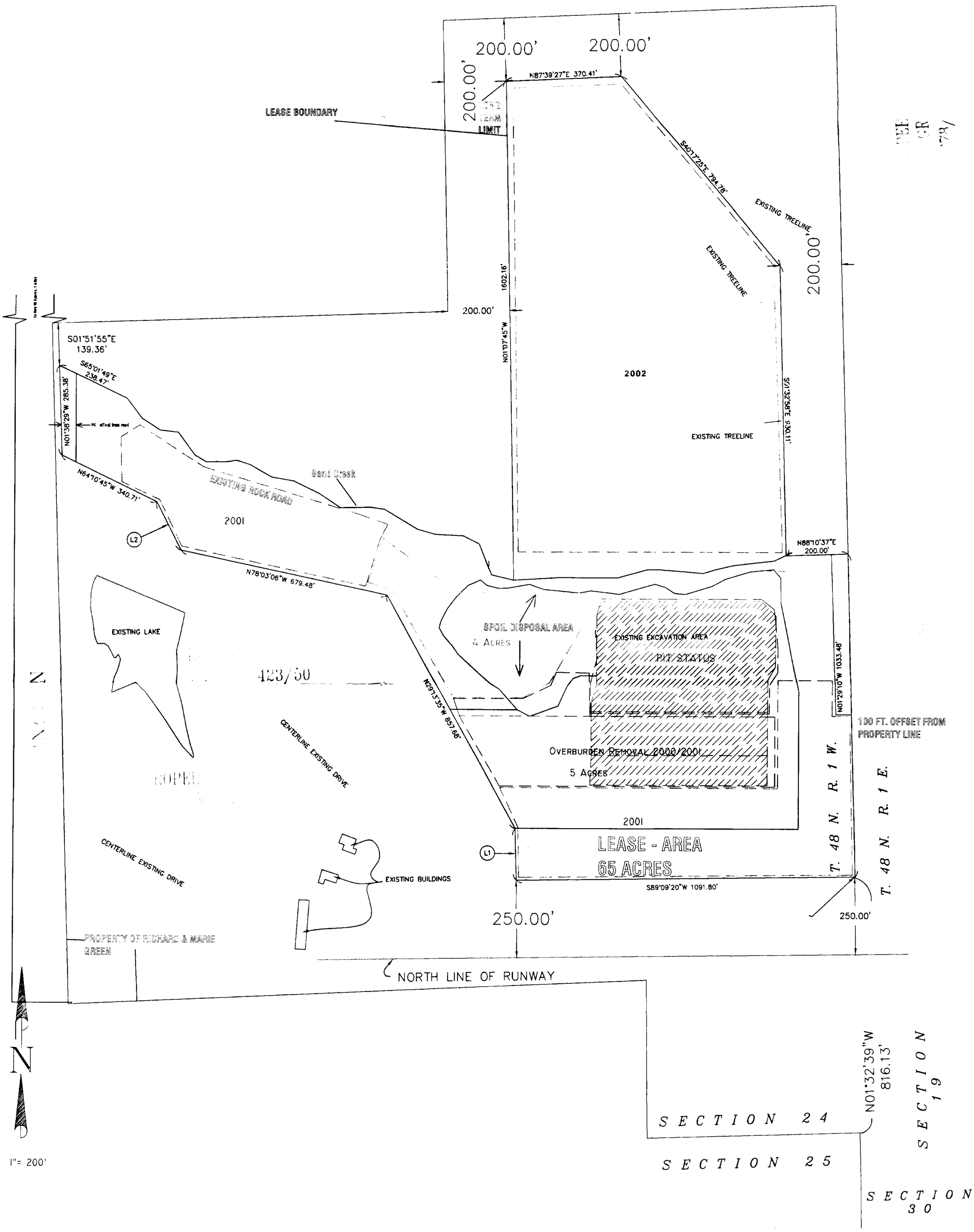
SIGNATURE OF APPLICANT	TITLE	DATE
Richard Green	Owner	24 June 04

NOTARY PUBLIC EMBOSSER	STATE	COUNTY (OR CITY OF ST. LOUIS)
NOT VALID UNLESS NOTARIZED	Mo	Cole
	SUBSCRIBED AND SWORN BEFORE ME, THIS 24th DAY OF June YEAR 2004	USE RUBBER STAMP IN CLEAR AREA BELOW.
	NOTARY PUBLIC SIGNATURE: Shirley L. Grantham — MY COMMISSION EXPIRES: 2/7/2007	SHIRLEY L. GRANTHAM NOTARY PUBLIC STATE OF MISSOURI COUNTY OF COLE MY COMMISSION EXPIRES: FEBRUARY 7, 2007
	NOTARY PUBLIC NAME (TYPED OR PRINTED): Shirley L. Grantham	

FOR DEPARTMENT USE ONLY

APPROVED BY	DATE APPROVED	PERMIT NUMBER
[signature]	6-24-04	0939
PERMIT NO. 0939	SITE NUMBER/NAME: Crown Quarry LLC	



LEASE AREA

~~FRED WEBER, INC.~~

~~TROY~~ QUARRY LAND RECLAMATION PLAN

A TRACT OF LAND IN THE EAST HALF OF SEC. 24, TOWNSHIP 48N, RANGE 1W, OF THE FIFTH PRINCIPAL MERIDIAN LINCLON COUNTY, MISSOURI

REVISED NOVEMBER 27, 2001 T.W.B.

CROWN QUARRY LLC

0939

10 ACRES TOTAL PERMITTED-1999
ADD 55 ACRES IN 1999 TO LONG TERM PLAN
10 ACRES ADDED 1999
13 ACRES ADDED 2001
25 ACRES ADDED 2002
POST-MINING LAND USE
100% DEVELOPMENT
REVEGETATION MIX
CROWN VETCH 20#/ACRE
KY 31 TALL FESCUE 50#/ACRE
WHEAT 30#/ACRE

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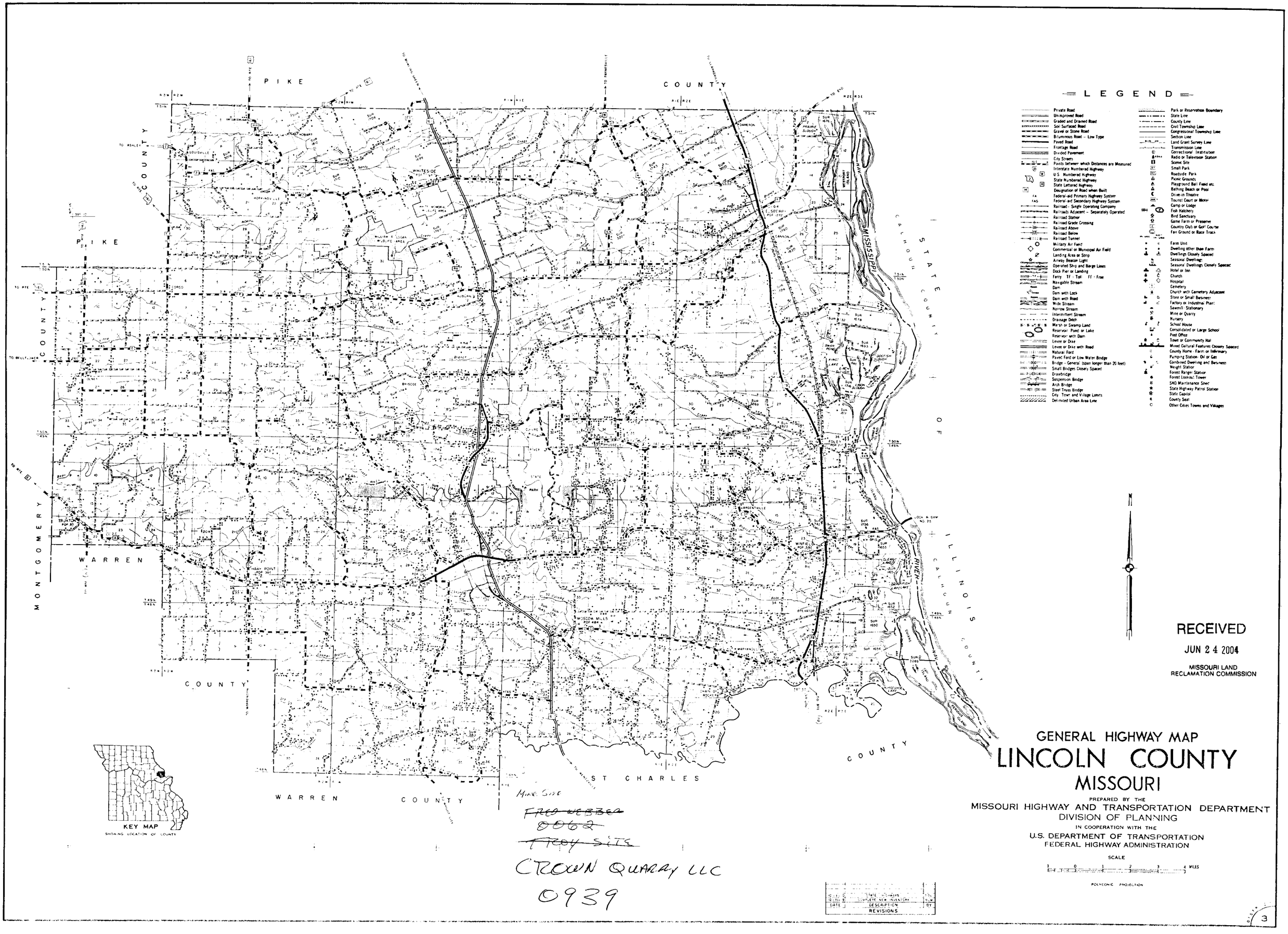
PIKE COUNTY
PIKE COUNTY
MONTGOMERY COUNTY
WARREN COUNTY
WARREN COUNTY
ST CHARLES COUNTY
CALHOUN COUNTY
STATE OF ILLINOIS
MISSISSIPPI RIVER
LEGEND
Private Road
Unimproved Road
Graded and Drained Road
Soil Surfaced Road
Gravel or Stone Road
Bituminous Road – Low Type
Paved Road
Frontage Road
Divided Pavement
City Streets
Points between which Distances are Measured
Interstate Numbered Highway
U.S. Numbered Highway
State Numbered Highway
State Lettered Highway
Designation of Road when Built
Federal-aid Primary Highway System
Federal-aid Secondary Highway System
Railroad – Single Operating Company
Railroads Adjacent – Separately Operated
Railroad Station
Railroad Grade Crossing
Railroad Above
Railroad Below
Railroad Tunnel
Military Air Field
Commercial or Municipal Air Field
Landing Area or Strip
Airway Beacon Light
Operated Ship and Barge Lines
Dock Pier or Landing
Ferry TF - Toll FF - Free
Navigable Stream
Dam
Dam with Lock
Dam with Road
Wide Stream
Narrow Stream
Intermittent Stream
Drainage Ditch
Marsh or Swamp Land
Reservoir Pond or Lake
Reservoir with Dam
Levee or Dike
Levee or Dike with Road
Natural Ford
Paved Ford or Low Water Bridge
Bridge – General (span longer than 20 feet)
Small Bridges Closely Spaced
Drawbridge
Suspension Bridge
Arch Bridge
Steel Truss Bridge
City Town and Village Limits
Delimited Urban Area Line
Park or Reservation Boundary
State Line
County Line
Civil Township Line
Congressional Township Line
Section Line
Land Grant Survey Line
Transmission Line
Correctional Institution
Radio or Television Station
Scenic Site
Small Park
Roadside Park
Picnic Grounds
Playground Ball Field etc.
Bathing Beach or Pool
Drive-in Theatre
Tourist Court or Motel
Camp or Lodge
Fish Hatchery
Bird Sanctuary
Game Farm or Preserve
Country Club or Golf Course
Fair Ground or Race Track
Farm Unit
Dwelling other than Farm
Dwellings Closely Spaced
Seasonal Dwellings
Seasonal Dwellings Closely Spaced
Hotel or Inn
Church
Hospital
Cemetery
Church with Cemetery Adjacent
Store or Small Business
Factory or Industrial Plant
Sawmill Stationary
Mine or Quarry
Nursery
School House
Consolidated or Large School
Post Office
Town or Community Hall
Mixed Cultural Features Closely Spaced
County Home Farm or Infirmary
Pumping Station Oil or Gas
Combined Dwelling and Business
Weight Station
Forest Ranger Station
Forest Lookout Tower
SHD Maintenance Shed
State Highway Patrol Station
State Capitol
County Seat
Other Cities Towns and Villages
KEY MAP
SHOWING LOCATION OF COUNTY
Mine Site
~~FRED WEBBER~~
~~0062~~
~~TROY SITE~~
CROWN QUARRY LLC
0939
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RECLAMATION COMMISSION
GENERAL HIGHWAY MAP
LINCOLN COUNTY
MISSOURI
PREPARED BY THE
MISSOURI HIGHWAY AND TRANSPORTATION DEPARTMENT
DIVISION OF PLANNING
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
SCALE
1 0 1 2 3 4 MILES
POLYCONIC PROJECTION
DATE
DESCRIPTION
BY
REVISIONS
3