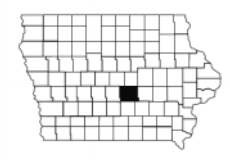
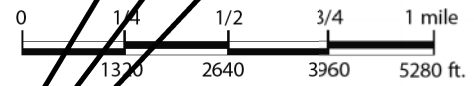
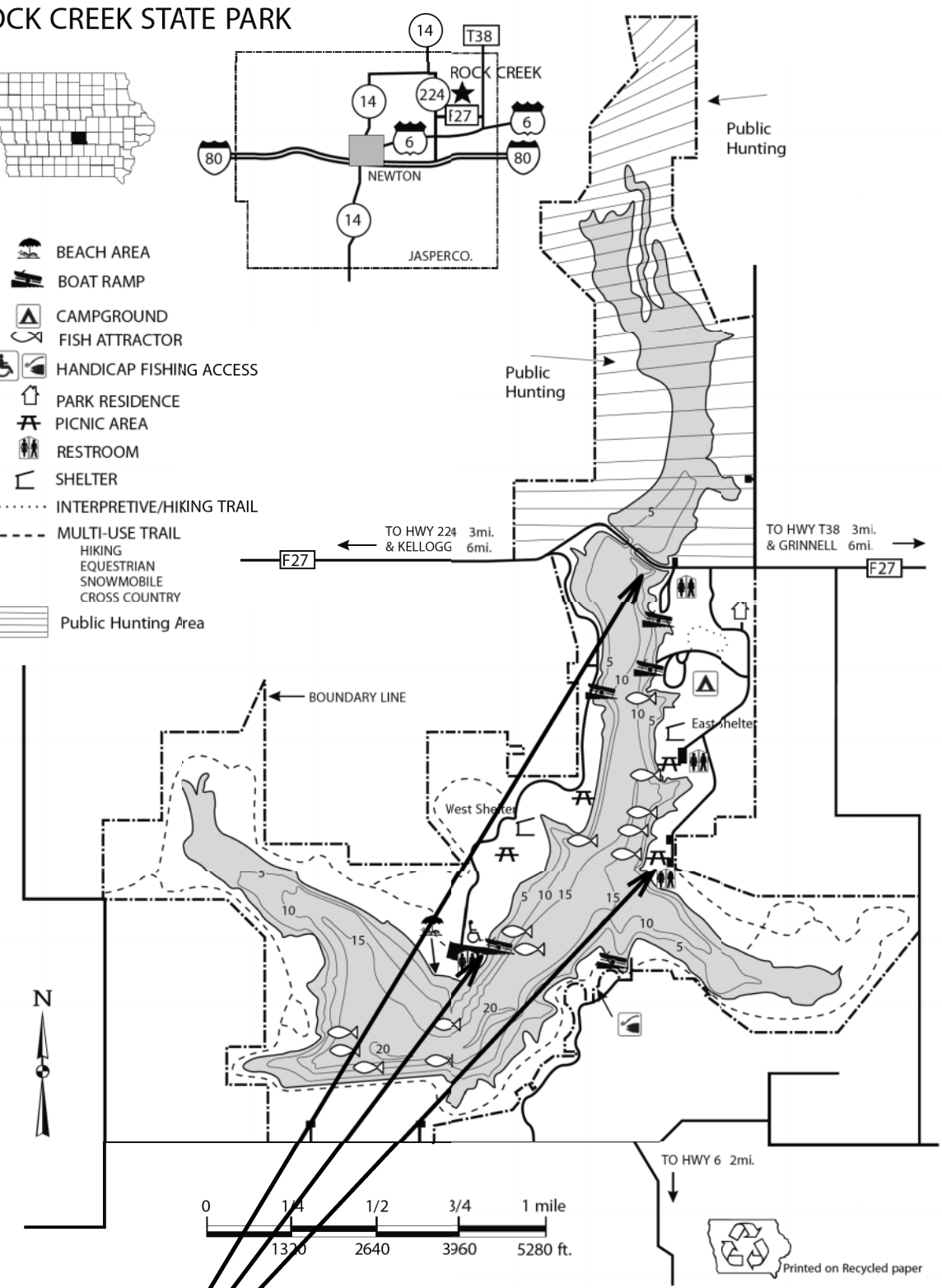


PROJECT LOCATION

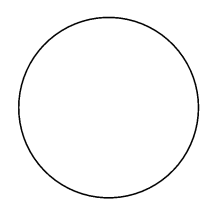
ROCK CREEK STATE PARK



- BEACH AREA
- BOAT RAMP
- CAMPGROUND
- FISH ATTRACTOR
- HANDICAP FISHING ACCESS
- PARK RESIDENCE
- PICNIC AREA
- RESTROOM
- SHELTER
- INTERPRETIVE/HIKING TRAIL
- MULTI-USE TRAIL
 - HIKING
 - EQUESTRIAN
 - SNOWMOBILE
 - CROSS COUNTRY
- Public Hunting Area



CONSULTANT:



IOWA DEPARTMENT OF NATURAL RESOURCES

ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034

PROJECT LOCATION MAP

PAVEMENT MAINTENANCE FOR:
ROCK CREEK STATE PARK

JASPER COUNTY

NO.	BY	REVISION

DRAWN BY:	PROJECT NUMBER:
BLF	17-05-50-03
CHKD BY:	DATE:
	JUNE 2016

SHEET No:

ESTIMATED PROJECT QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL
1	2306 - ASPHALT EMULSION FOR FOG SEAL (PAVEMENT)	GAL	1789
2	2518 - SAFETY CLOSURE	EACH	3
3	2528 - TRAFFIC CONTROL	L.S.	1
4	2525 - FLAGGERS	EACH	24
5	2528 - PILOT CARS	EACH	12
6	2529 - PATCHES, FULL-DEPTH FINISH, BY AREA	SY	150
7	2529 - PATCHES, FULL-DEPTH FINISH, BY COUNT	EACH	5
8	2533 - MOBILIZATION	L.S.	1
9	2543 - TRANSVERSE JOINT REPAIR	TON	223
10	2544 - CLEANING AND FILLING CRACKS (PAVEMENT MAINTENANCE)	MILE	5.6
11	2544 - HOT MIX ASPHALT FOR CRACK FILLING	TON	1
12	2544 - FILLER MATERIAL (MAINTENANCE)	GAL	1120
13	CLEANING AND FILLING CRACKS (PCC)	L.F.	500

ESTIMATE REFERENCE INFORMATION

ITEM NO.	DESCRIPTION
1	A. Use CSS-1 diluted with 4 parts water. Apply at 0.15 gal/sy. All areas requiring pilot cars and/or flaggers will need a light coat of sand - enough to prevent vehicle tracking. The sand, and it's application, will be incidental to this item. B. Fog sea all DNR HMA roads.
2	A. 14 day notice is required for all road closures.
6.7	A. 5-inch depth.
9	A. 18-inch nominal width and 3 inch depth. Widths may vary from 12-inches to 24-inches. 15% added for irregularities.
	Working Hours: 8 am - 5 pm, Monday - Thursday No holidays No work July 1 - July 7

GENERAL NOTES

Verify actual locations and elevations with DNR Engineer.

All work shall conform to and be performed in accordance with all applicable codes and ordinances.

The contractor shall visit the site and inspect the project area and thoroughly familiarize themselves with the actual job conditions prior to bidding and the start of work. Failure to visit the project site shall not relieve the contractor from performing the work in accordance to the plans, specification, special provisions and contract.

The contractor shall verify, at the site, all dimensions and conditions shown on the plans and shall notify the DNR Engineer of any discrepancies, omissions, and/or conflicts prior to proceeding with the work.

It shall be the contractor's responsibility to provide waste areas or disposal sites for excess material (excavated material or broken concrete) which is not desirable to be incorporated into the work involved on this project. No payment for overhaul will be allowed for material hauled to these sites. No material shall be placed within the right-of-way, unless specifically stated in the plans or approved by the DNR Engineer.

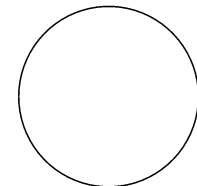
The contractor shall not disturb desirable grass areas and desirable trees outside the construction limits. The contractor will not be permitted to park or service vehicles and equipment or use these areas for storage of materials. Storage, parking and service areas will be subject to the approval of the DNR Engineer.

Where utilities and fixtures are shown as Existing on the plans or encountered within the construction area, it shall be the responsibility of the contractor to notify the DNR Engineer of those utilities prior to the beginning of any construction. The contractor shall be afforded access to these facilities for necessary modification of services. Underground facilities, structures and utilities have been plotted from available surveys and records and therefore their locations must be considered approximate only. It is possible there may be others, the existence of which is presently not known or shown. It is the contractor's responsibility to determine their existence and exact location and to avoid damage thereto. No claims for additional compensation will be allowed to the contractor for any interference or delay caused by such work.

The contractor shall shape graded area to maintain surface drainage. All elevations are to finish grade.

The contractor is expected to have materials, equipment, and labor available on a daily basis to install and maintain erosion control features on the project. This may involve seeding, silt fence, rock ditch checks, silt basins or silt dikes.

CONSULTANT:



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ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034

QUANTITIES AND GENERAL INFORMATION

PAVEMENT MAINTENANCE FOR:
ROCK CREEK STATE PARK

JASPER COUNTY

NO. BY DATE REVISION

DRAWN BY: PROJECT NUMBER:

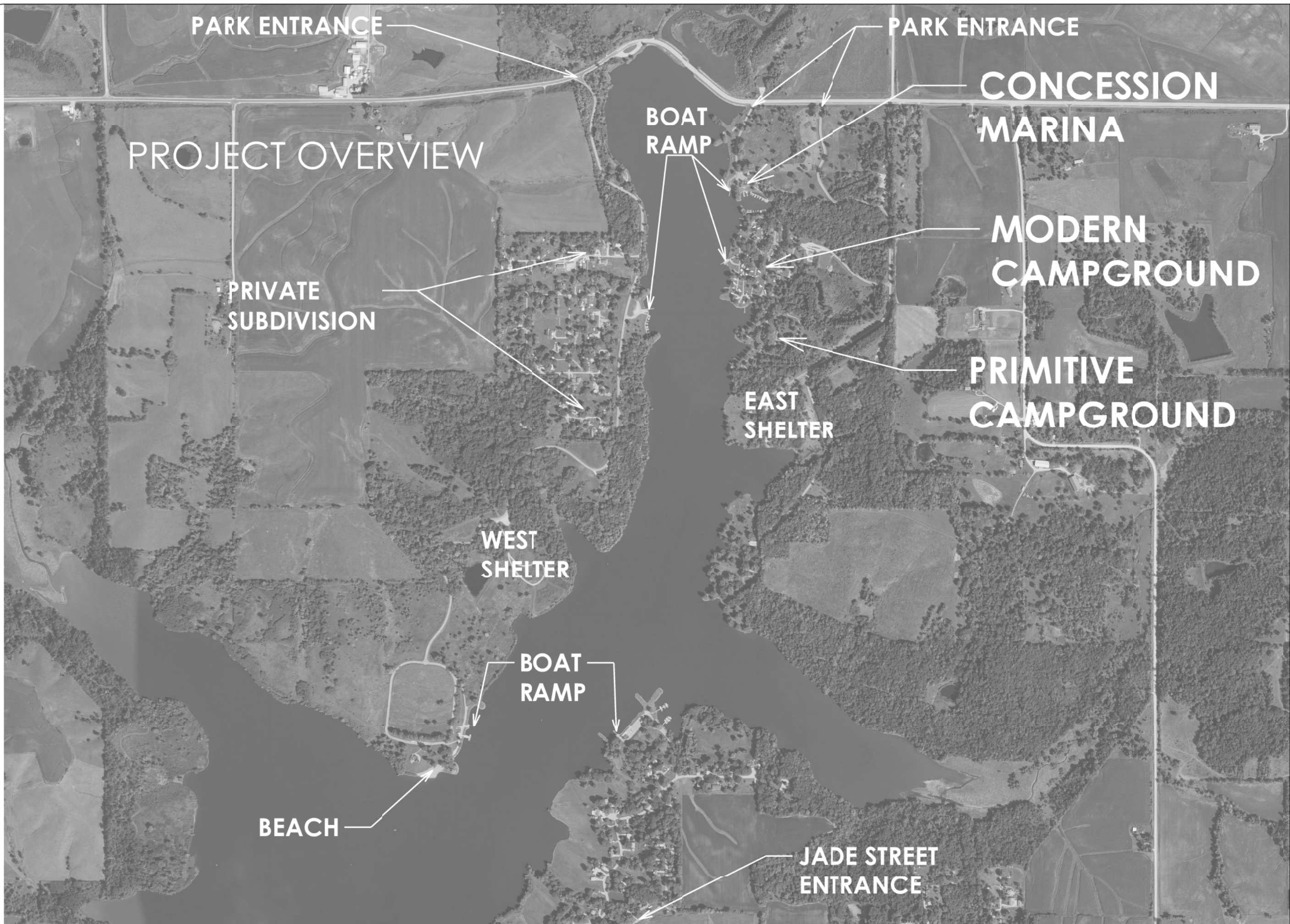
BLF 17-05-50-03

CHKD BY: DATE:

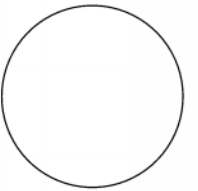
JUNE 2018

SHEET No:

C.01



CONSULTANT:



**IOWA DEPARTMENT OF
NATURAL RESOURCES**
ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034



SITE PLAN

PAVEMENT MAINTENANCE FOR:
ROCK CREEK STATE PARK
JASPER COUNTY

NO.	BY	REVISION

DRAWN BY: **BLF** PROJECT NUMBER: **17-05-50-03**
 CHKD BY: DATE: **JUNE 2018**

SHEET NO: **D.01**



21' X 2005'
20 TJ Repairs

20' X 275'
7 TJ Repairs

21' X 5570'
58 TJ Repairs

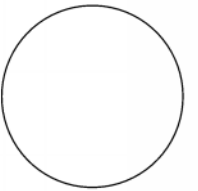
21' X 2550' Loop
40 TJ Repairs

5 PATCHES
30 SY EACH

Boat Ramp Loop
12' X 376'

Boat Ramp Loop
10' X 790'
10 TJ Repairs

CONSULTANT:



**IOWA DEPARTMENT OF
NATURAL RESOURCES**

ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034



SITE PLAN

PAVEMENT MAINTENANCE FOR:
ROCK CREEK STATE PARK
JASPER COUNTY

NO.	BY	REVISION

DRAWN BY: BLF
PROJECT NUMBER: 17-05-50-03
CHKD BY: DATE: JUNE 2016

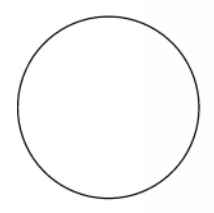
SHEET No: **D.02**

18' X 124'

20' X 1046'
15 TJ Repairs
Sand required
on fog seal

22' X 2286'
34 TJ Repairs
Sand required
on fog seal

CONSULTANT:



**IOWA DEPARTMENT OF
NATURAL RESOURCES**

ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034



SITE PLAN

PAVEMENT MAINTENANCE FOR:

ROCK CREEK STATE PARK

JASPER COUNTY

NO. BY REVISION

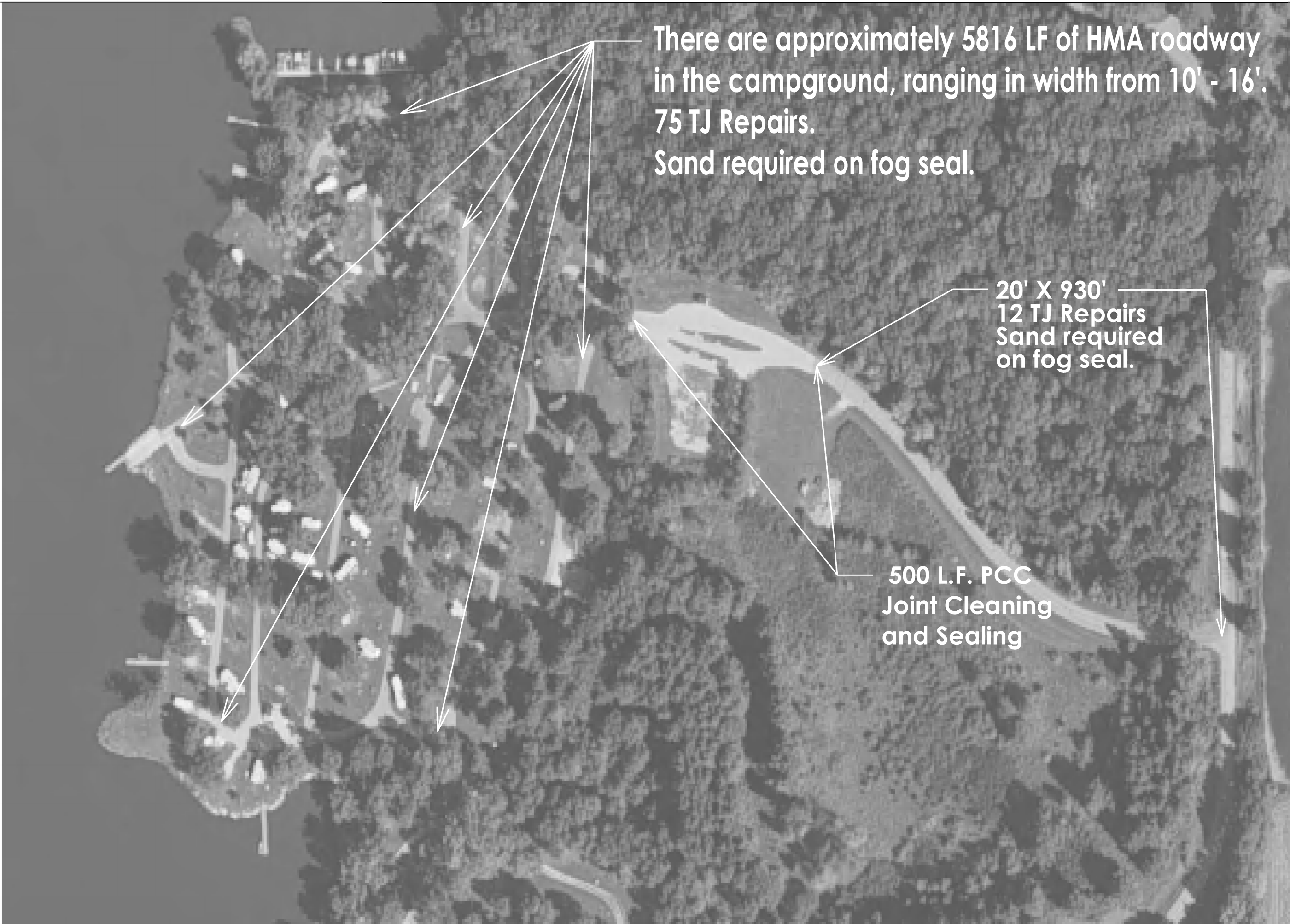
DRAWN BY: PROJECT NUMBER:

BLF 17-05-50-03

CHK'D BY: DATE:

JUNE 2018

SHEET No: **D.03**

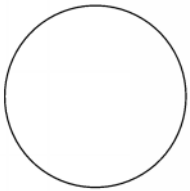


There are approximately 5816 LF of HMA roadway
in the campground, ranging in width from 10' - 16'.
75 TJ Repairs.
Sand required on fog seal.

20' X 930'
12 TJ Repairs
Sand required
on fog seal.

500 L.F. PCC
Joint Cleaning
and Sealing

CONSULTANT:



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ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034



SITE PLAN

PAVEMENT MAINTENANCE FOR:

ROCK CREEK STATE PARK

JASPER COUNTY

NO.	BY	REVISION
DATE		

DRAWN BY: PROJECT NUMBER:
BLF 17-05-50-03

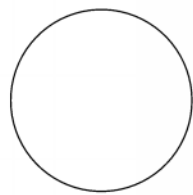
CHK'D BY: DATE:
JUNE 2016

SHEET No: **D.04**



11' X 1598'
25 TJ Repairs

CONSULTANT:



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NATURAL RESOURCES**

ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034



SITE PLAN

PAVEMENT MAINTENANCE FOR:

ROCK CREEK STATE PARK

JASPER COUNTY

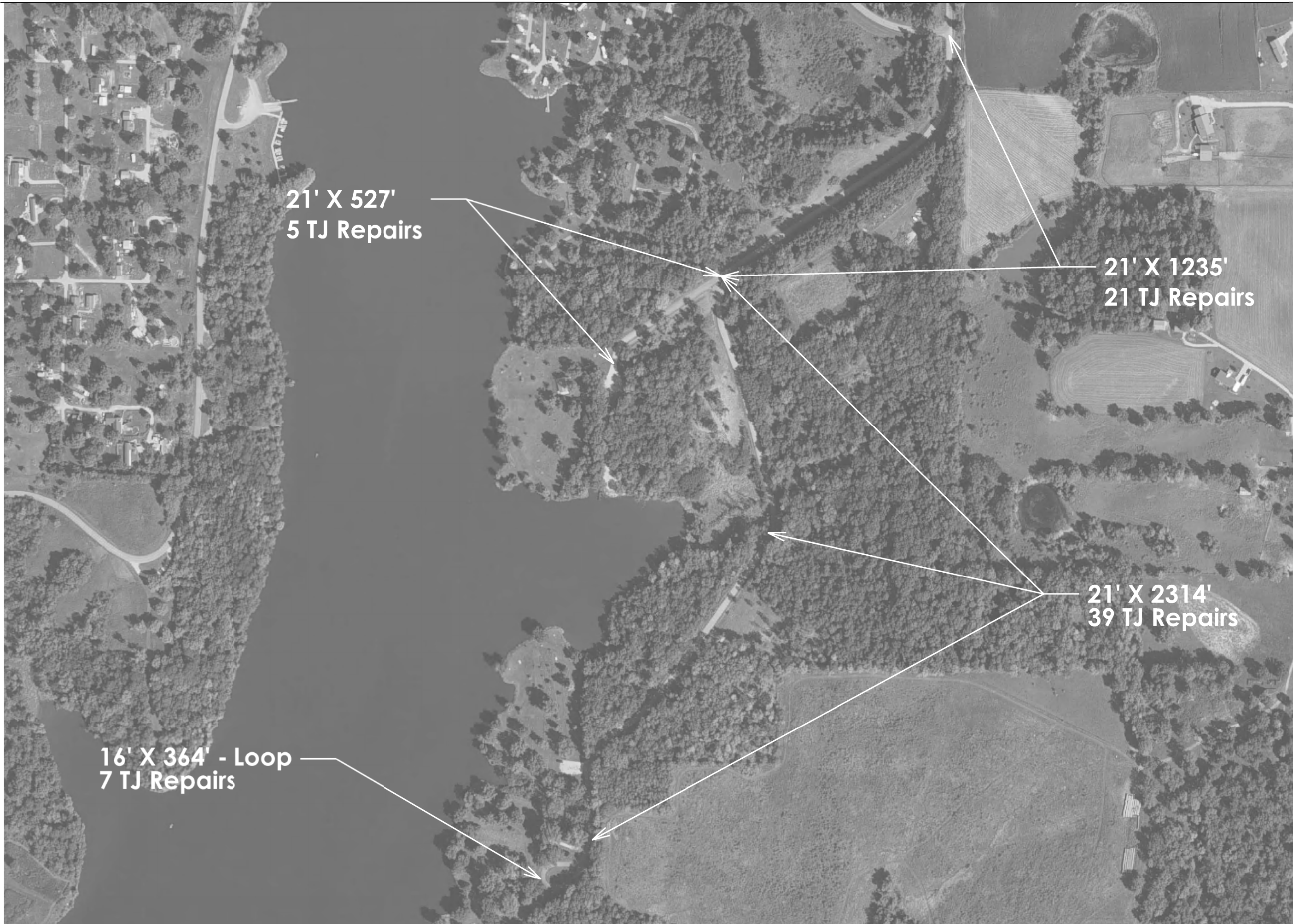
NO.	BY	REVISION

DRAWN BY: PROJECT NUMBER:
BLF 17-05-50-03

CHK'D BY: DATE:
JUNE 2018

SHEET No:

D.05



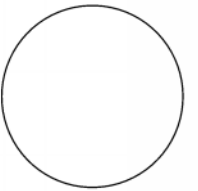
21' X 527'
5 TJ Repairs

21' X 1235'
21 TJ Repairs

21' X 2314'
39 TJ Repairs

16' X 364' - Loop
7 TJ Repairs

CONSULTANT:



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NATURAL RESOURCES**

ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034



SITE PLAN

PAVEMENT MAINTENANCE FOR:

ROCK CREEK STATE PARK

JASPER COUNTY

NO.	BY	REVISION

DRAWN BY: BLF	PROJECT NUMBER: 17-05-50-03
CHK'D BY:	DATE: JUNE 2018

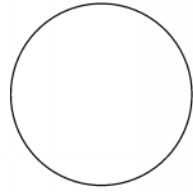
SHEET NO:
D.06



14' X 1154'
6 TJ Repairs

16' X 532'
6 TJ Repairs

CONSULTANT:



**IOWA DEPARTMENT OF
NATURAL RESOURCES**

ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034



SITE PLAN

PAVEMENT MAINTENANCE FOR:

ROCK CREEK STATE PARK

JASPER COUNTY

NO.	BY	REVISION

DRAWN BY: **BLF** PROJECT NUMBER: **17-05-50-03**

CHKD BY: DATE: **JUNE 2016**

SHEET No:

D.07



FLAGGER AND PILOT CAR OPERATIONS
F27 TO 1ST AVENUE
3 DAYS

ROAD CLOSED SOUTH OF 1ST AVENUE
1 SAFETY CLOSURE

WORK INSIDE CAMPGROUNDS WILL BE PERFORMED UNDER TRAFFIC WITH FLAGGERS
5 DAYS

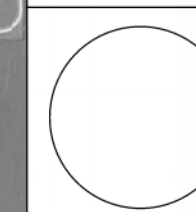
FLAGGER AND PILOT CAR OPERATIONS
F27 TO MARINA
F27 TO CAMPGROUND ENTRANCE
4 DAYS

ROADS CLOSED PAST CAMPGROUND ENTRANCE
1 SAFETY CLOSURE

ROAD CLOSED AT JUNIPER AVENUE
1 SAFETY CLOSURE

**TRAFFIC CONTROL PLAN
ROCK CREEK STATE PARK**

CONSULTANT:



IOWA DEPARTMENT OF NATURAL RESOURCES

ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034



TRAFFIC CONTROL PLAN

PAVEMENT MAINTENANCE FOR:

ROCK CREEK STATE PARK

JASPER COUNTY

NO.	BY DATE	REVISION

DRAWN BY: BLF PROJECT NUMBER: 17-05-50-03
CHKD BY: DATE: JUNE 2018

SHEET No:

H.01