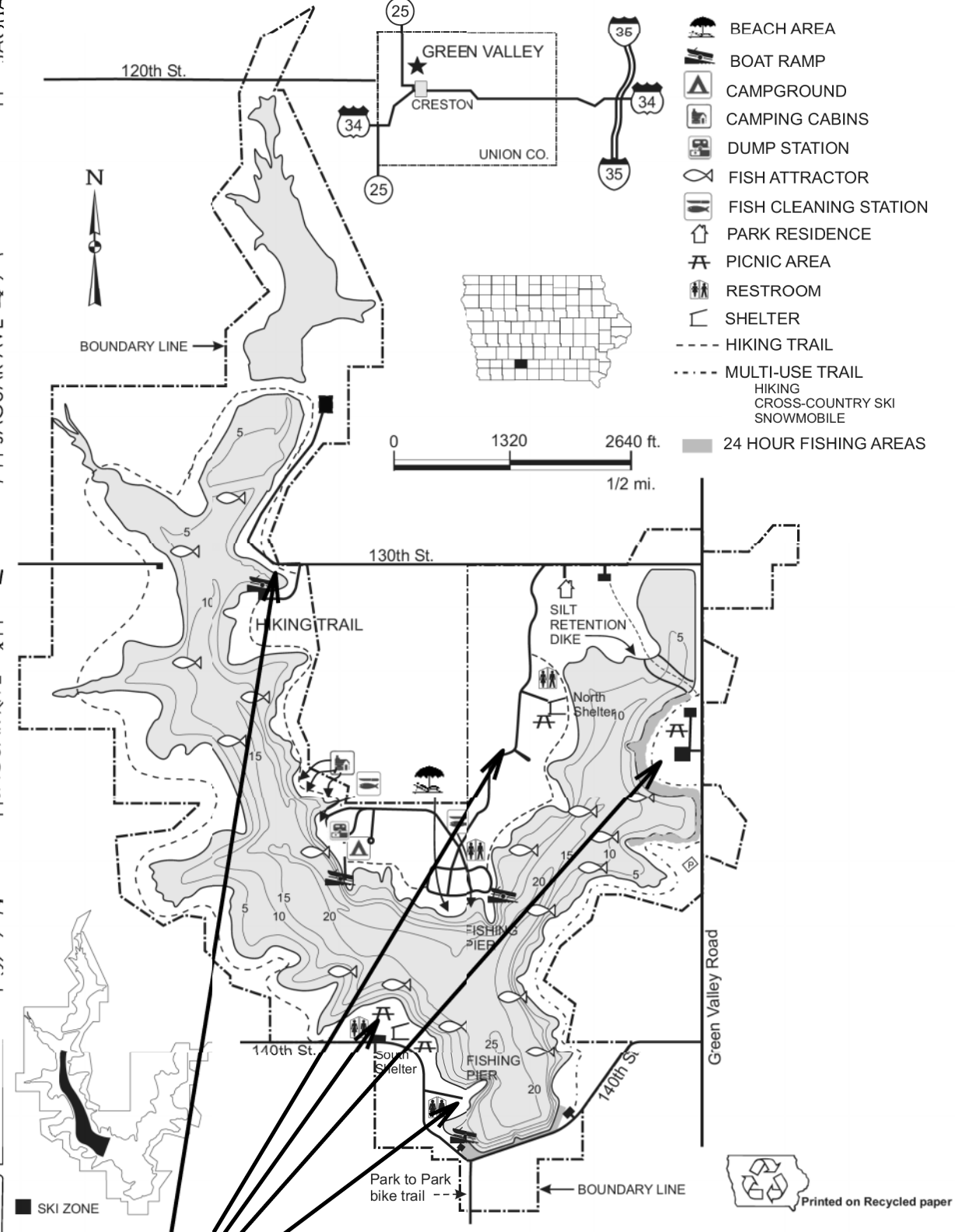
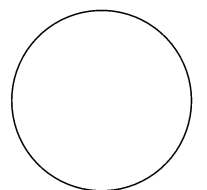


**GREEN VALLEY STATE PARK**



**PROJECT LOCATION**

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:  
**GREEN VALLEY STATE PARK**

UNION COUNTY

NO.	BY	REVISION

DRAWN BY: PROJECT NUMBER:  
17-04-88-06

CHKD BY: DATE:  
April 2010

SHEET No.:

**A.02**



**ESTIMATED PROJECT QUANTITIES**

ITEM NO.	ITEM	UNIT	TOTAL
1	2102 - SPECIAL BACKFILL	TON	28
2	2102 - EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	15
3	2306 - ASPHALT EMULSION FOR FOG SEAL (PAVEMENT)	GAL	709
4	2518 - SAFETY CLOSURE	EACH	12
5	2528 - TRAFFIC CONTROL	LS	1
6	2528 - FLAGGERS	EACH	10
7	2528 - PILOT CARS	EACH	5
8	2529 - PATCHES, FULL-DEPTH FINISH, BY AREA. 5" HMA	SY	215
9	2529 - PATCHES, FULL-DEPTH FINISH, 5-IN., BY COUNT, HMA	EACH	5
10	2533 - MOBILIZATION	LS	1
11	2541 - CRACK AND JOINT CLEANING AND SEALING (HMA SURFACES)	MILE	2.3
12	2541 - SEALER MATERIAL (HMA SURFACES)	LBS	805
13	2543 - TRANSVERSE JOINT REPAIR	TON	66

**ESTIMATE REFERENCE INFORMATION**

ITEM NO.	DESCRIPTION
3	A. Use asphalt emulsion grade CSS-1 or SS-1. Dilute with 4 parts water. Apply at a rate of 0.15 GAL/SY. B. Fog sea all DNR HMA roads.
4	A. 14 day advance notice of all road closures.
8	A. 5 - inch depth.
13	A. 18 - inches wide, 3 - inch depth. B. Dispose of milling in parking areas as directed by the DNR field engineer.
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.

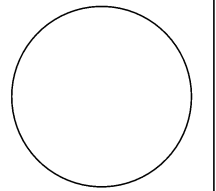
The contractor shall not disturb desirable grass areas and desirable trees outside the construction limits. The contractor will not be permitted to park or service vehicles and equipment or use these areas for storage of materials. Storage, parking and service areas will be subject to the approval of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

PAVEMENT MAINTENANCE FOR:  
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UNION COUNTY

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17-04-88-06

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SHEET NO:  
**C.01**



SHEET D.06

SHEET D.02

SHEET D.03

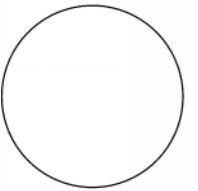
# GREEN VALLEY STATE PARK

SHEET D.02

SHEET D.04

SHEET D.05

CONSULTANT:



IOWA DEPARTMENT OF NATURAL RESOURCES

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



SITE PLAN

PAVEMENT MAINTENANCE FOR:

GREEN VALLEY STATE PARK

UNION COUNTY

NO.	BY	REVISION

DRAWN BY: PROJECT NUMBER:  
17-04-88-06

CHKD BY: DATE:  
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SHEET NO.:

**D.01**





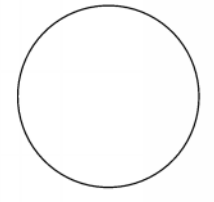
20' X 2316'  
26 TJ repairs

20' X 396'  
2 TJ repairs

22' X 145'

20' X 150'  
2 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:  
**GREEN VALLEY STATE PARK**

UNION COUNTY

NO.	BY	REVISION

DRAWN BY: PROJECT NUMBER:  
17-04-88-06

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SHEET No:  
**D.02**



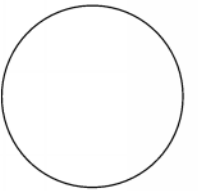
14' X 188'  
3 TJ Repairs

22' X 193'  
5 TJ repairs

14' X 334'

18' X 124'

CONSULTANT:



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**SITE PLAN**

PAVEMENT MAINTENANCE FOR:

**GREEN VALLEY STATE PARK**

UNION COUNTY

NO.	BY	REVISION

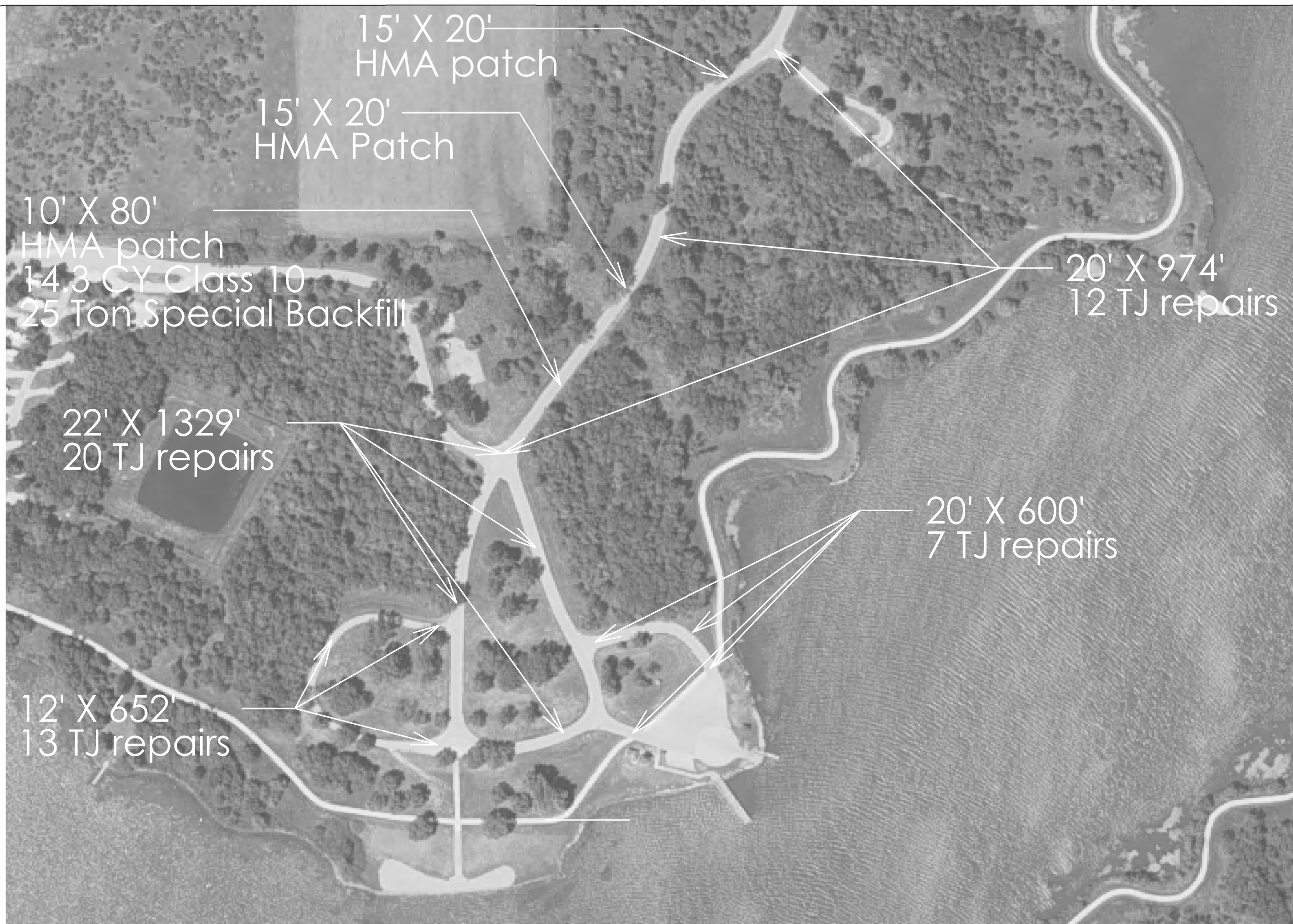
DRAWN BY: PROJECT NUMBER:  
17-04-88-06

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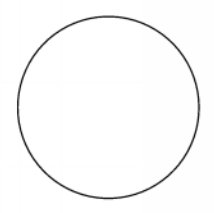
SHEET No:

**D.03**





CONSULTANT:



**IOWA DEPARTMENT OF  
NATURAL RESOURCES**

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



**SITE PLAN**

PAVEMENT MAINTENANCE FOR:  
**GREEN VALLEY STATE PARK**  
UNION COUNTY

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April 2010

SHEET No:

**D.04**

16' X 331'

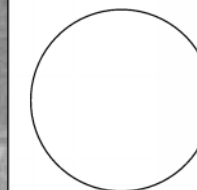
16' X 155'

22' X 419'  
1 TJ Repair

16' X 200'

14' X 183'  
1 TJ repair

CONSULTANT:



IOWA DEPARTMENT OF  
NATURAL RESOURCES

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



SITE PLAN

PAVEMENT MAINTENANCE FOR:

GREEN VALLEY STATE PARK

UNION COUNTY

NO.	BY	REVISION

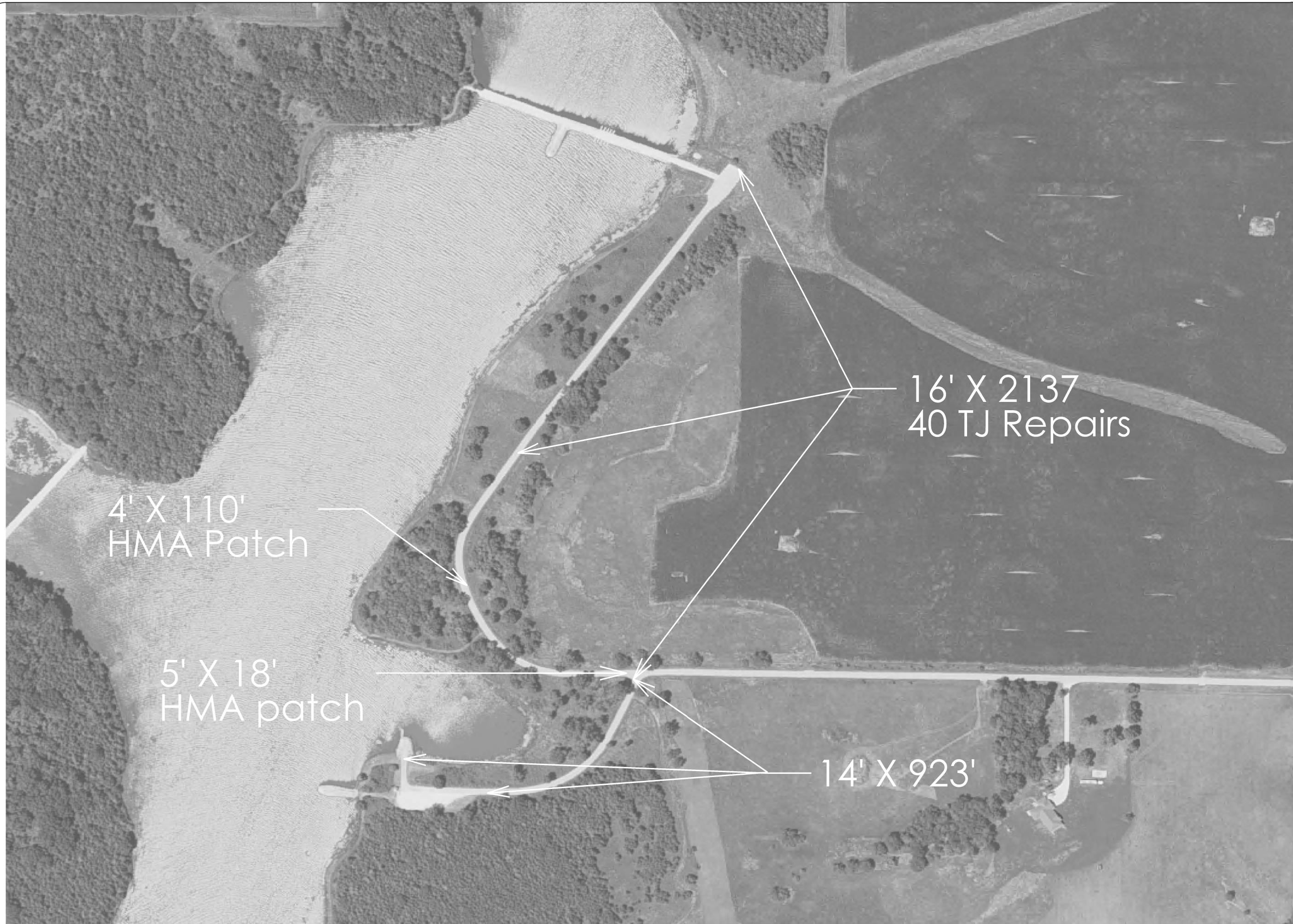
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17-04-88-06

CHK'D BY: DATE:  
April 2010

SHEET No:

**D.05**





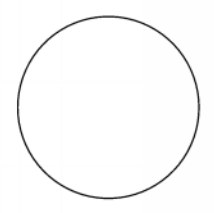
4' X 110'  
HMA Patch

5' X 18'  
HMA patch

16' X 2137  
40 TJ Repairs

14' X 923'

CONSULTANT:



**IOWA DEPARTMENT OF  
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**SITE PLAN**

PAVEMENT MAINTENANCE FOR:  
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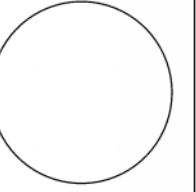
**D.06**



# TRAFFIC CONTROL PLAN



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:  
**GREEN VALLEY STATE PARK**

UNION COUNTY

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SHEET No:

**E.01**