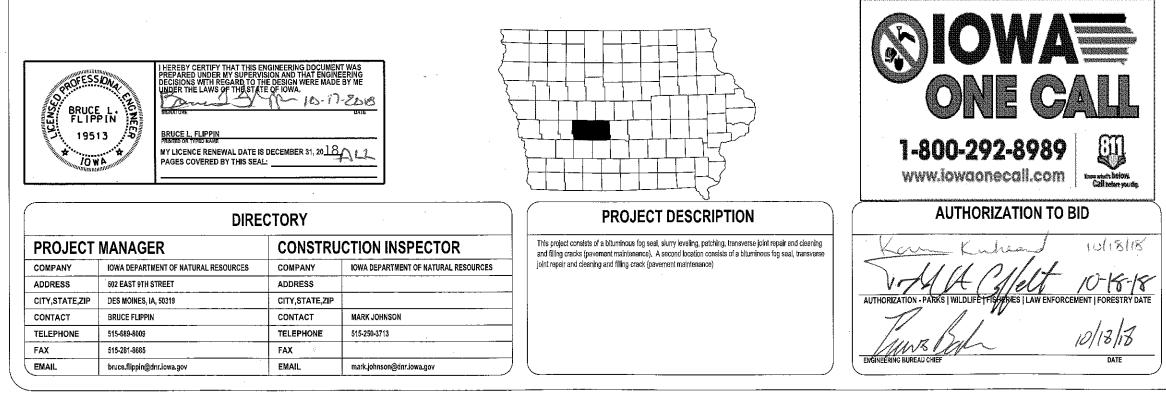
IOWA DEPARTMENT OF NATURAL RESOURCES

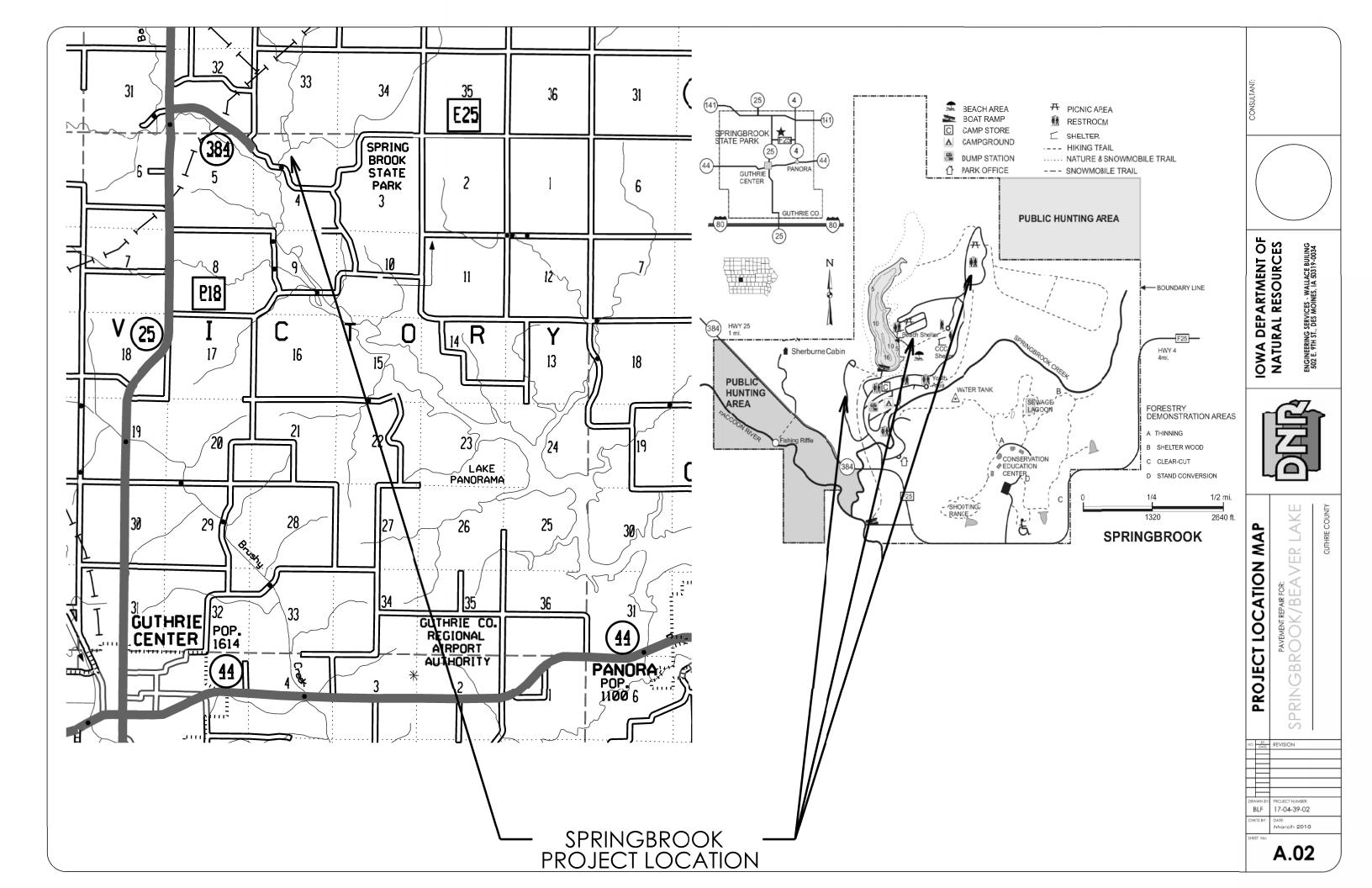
CONSTRUCTION DOCUMENTS FOR SPRINGBROOK STATE PARK/BEAVER LAKE WMA PAVEMENT REPAIR - REBID

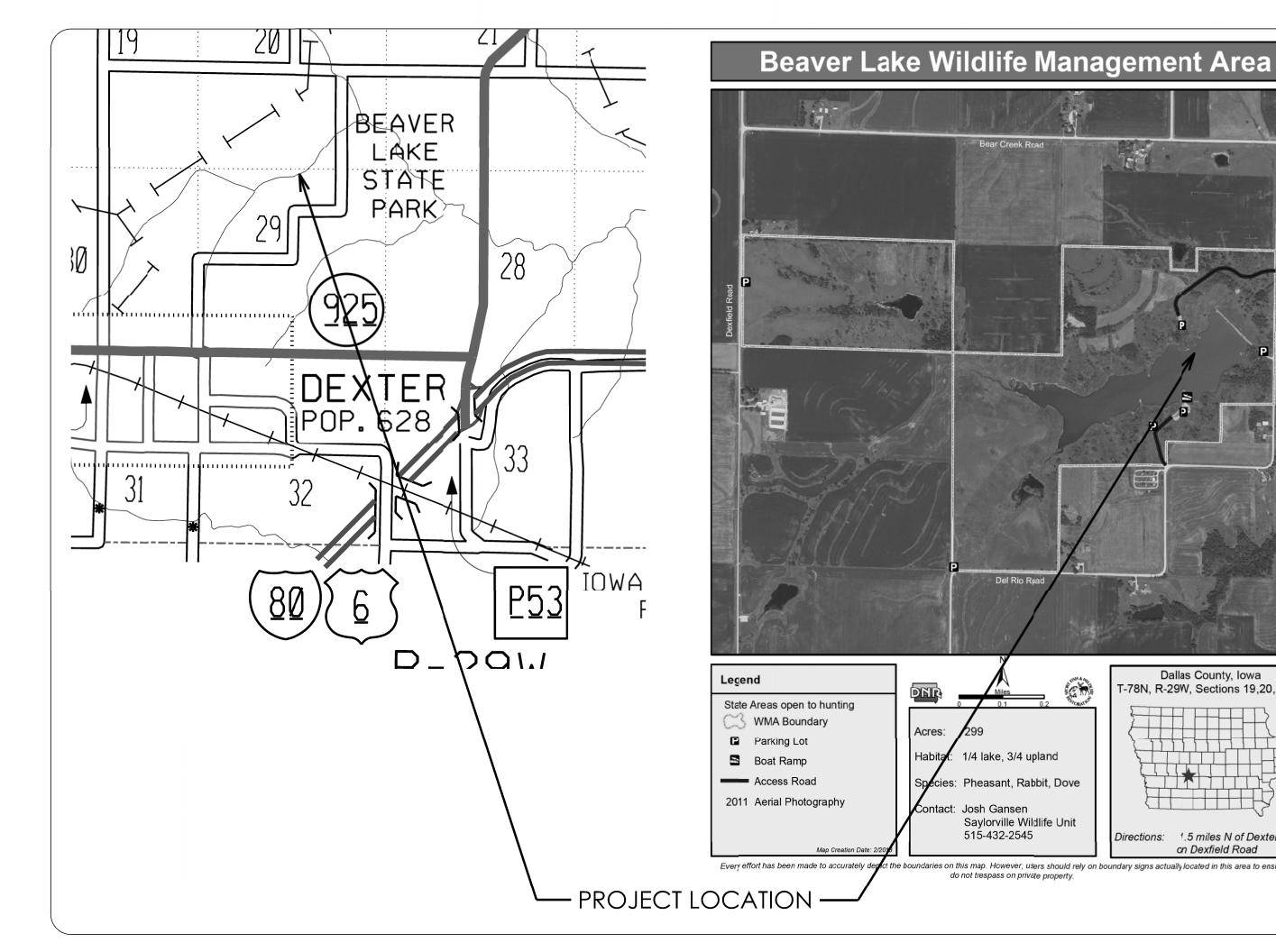
GUTHRIE/DALLAS COUNTY, IOWA

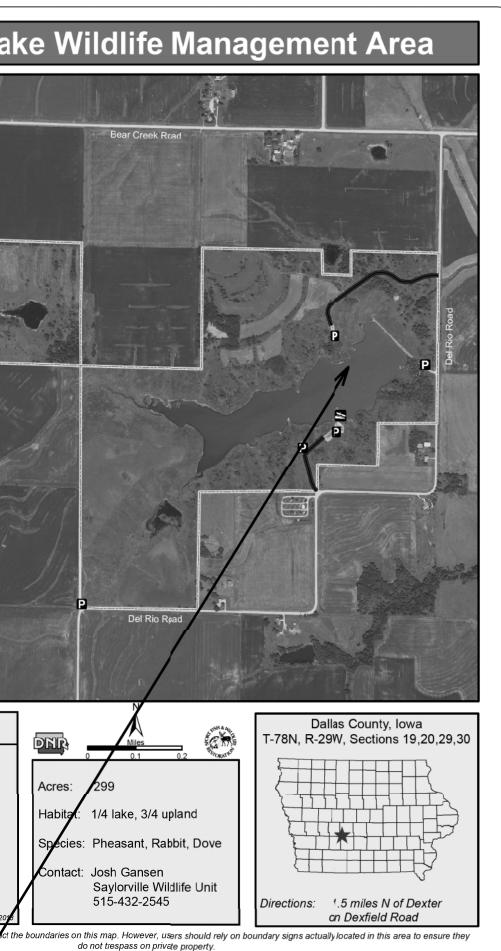
DOT PROJECT #SP-650-0(12)--7C-39 DOT PROJECT #SP-696-0(2)--7C-25 DNR PROJECT #17-04-39-02



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		COVER SHEET	pavement repar for: INGBROOK/BEAVER LAK	
		COVER SHEET	pavement repar for: RINGBROOK/BEAVER LAK	
		COVER SHEET	pringbrook/beaver lak	
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		COVER SHEET	pringbrook/beaver lak	
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IOWA DEPARTMENT OF		502 E. 9TH ST., DES MOINES, IA 50319-0034
MAP		GUTHRIE/DALLAS COUNTY 502 E. 9TH
	REVISION PROJECT NUMBER 17-04-39-02 DATE March 2011 March 2011	3

ESTIMATED PROJECT QUANTITIES - BEAVER LAKE WMA - 17-04-25-01

ITEM NO.	ITEM	UNIT	TOTAL
	SPRINGBROOK PROJECT		
1	2102 - SPECIAL BACKFILL	TON	17.5
2	2213 - EXCAVATION, CLASS 13, FOR WIDENING	CY	18.5
3	2303 - HOT MIX ASPHALT MIXTURE, COMMERCIAL MIX (INCLUDES ASPHALT BINDER), AS PER PLAN	TON	18
4	2306 - BITUMINOUS FOG SEAL (PAVEMENT) RS-1 EMULSION GRADE	GAL	1044
5	2319 - SLURRY LEVELING	MILE	3.4
6	2319 - ASPHALT EMULSION FOR SLURRY LEVELING, SLURRY WEDGE, AND SLURRY TREATMENT	GAL	850
7	2510 - REMOVAL OF PAVEMENT	SY	22
8	2518 - SAFETY CLOSURE	EACH	7
9	2528 - TRAFFIC CONTROL	LS	1
10	2529 - PATCHES, FULL-DEPTH FINISH, 5-IN., BY AREA. HMA	SY	166
11	2529 - PATCHES, FULL-DEPTH FINISH, 5-IN., BY COUNT. HMA	EACH	7
12	2533 - MOBILIZATION	LS	1
13	2543 - TRANSVERSE JOINT REPAIR	TON	42
14	2544 - CLEANING AND FILLING CRACKS (PAVEMENT MAINTENANCE)	MILE	3.4
15	2544 - HOT MIX ASPHALT FOR CRACK FILLING	TON	2
16	2544 - FILLER MATERIAL (MAINTENANCE)	GAL	850
	BEAVER LAKE PROJECT		
17	2306 - BITUMINOUS FOG SEAL	GAL	279
18	2518 - SAFETY CLOSURE	EACH	3
19	2533 - MOBILIZATION	LS	1
20	2543 - TRANSVERSE JOINT REPAIR	TON	25
21	2544 - CRACK AND JOINT CLEANING AND SEALING (HMA SURFACES)	MILE	1
22	2544 - SEALER MATERIAL (HMA SURFACES)	LB	320

ESTIMATE REFERENCE INFORMATION

DESCRIPTION

3 A. Used for widening. Submit mix design before using.

- 4,17 A. Use CSS-1 or SS-1 asphalt emulsion grade. Dilute with 4 parts water. Apply at a rate of 0.15 GAL/SY.B. Fog seal all DNR HMA roads.
 - C. Sand cover is required in all areas completed under traffic.
- 8,18 A. 7 day notice required for all road closures.

ITEM

NO.

13,20 A. 18-inch nominal width, 3-inch depth. Width may vary from 12 to 24-inchcs.B. Quantities increased 25% 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 al ordinances.

The contractor shall visit the site and inspect the project area and themselves with the actual job conditions prior to bidding and the visit the project site shall not relieve the contractor from performing to the plans, specification, special provisions and contract.

The contractor shall verify, at the site, all dimensions and condition shall notify the DNR Engineer of any discrepancies, omissions, and, proceeding with the work.

It shall be the contractor's responsibility to provide waste areas or material (excavated material or broken concrete) which is not desi into the work involved on this project. No payment for overhaul w hauled to these sites. No material shall be placed within the rightstated in the plans or approved by the DNR Engineer.

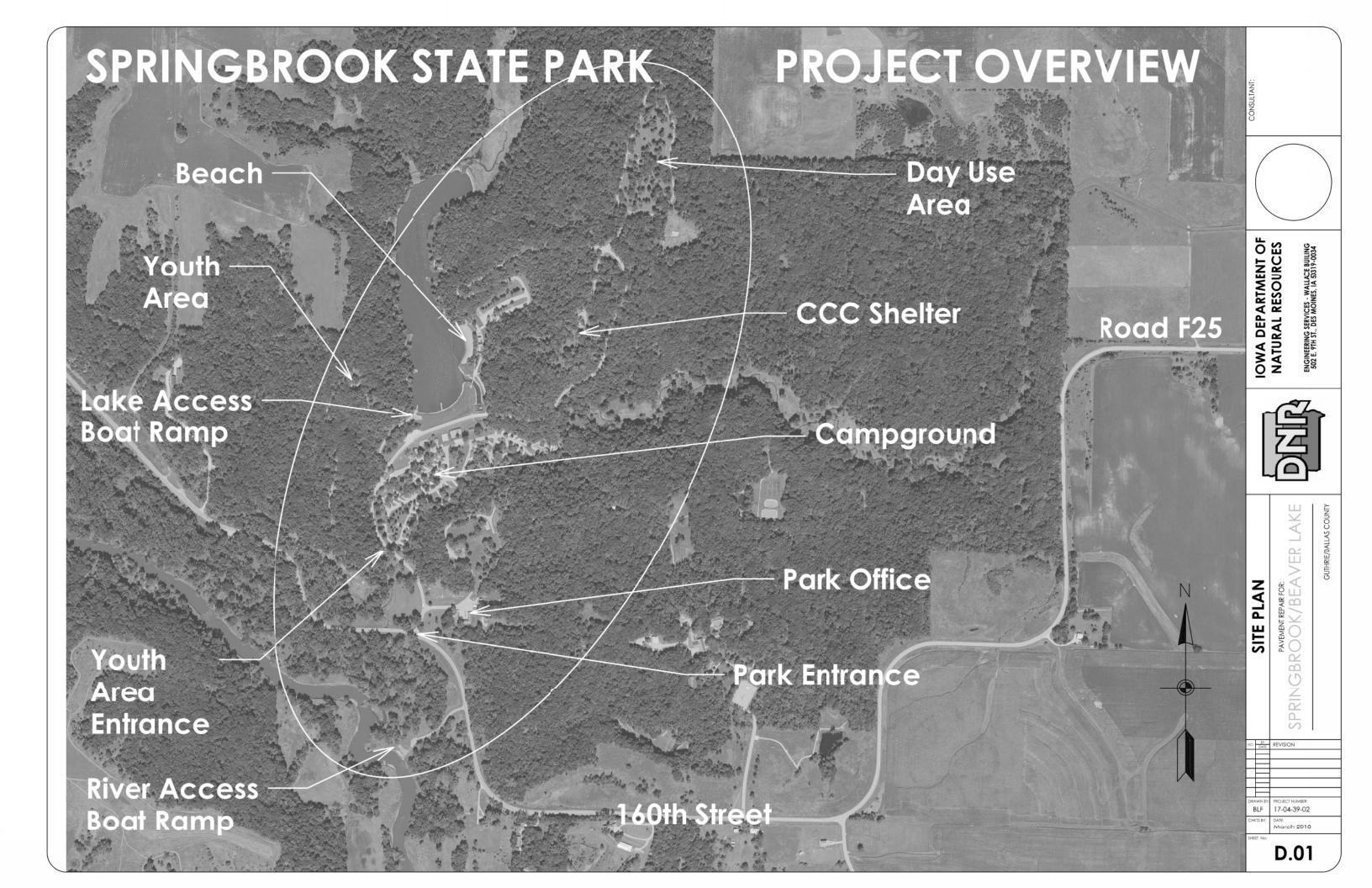
The contractor shall not disturb desirable grass areas and desirable construction limits. The contractor will not be permitted to park o equipment or use these areas for storage of materials. Storage, pa will be subject to the approval of the DNR Engineer.

Where utilities and fixtures are shown as Existing on the plans or e construction area, it shall be the responsibility of the contractor to of those utilities prior to the beginning of any construction. The constructures and utilities for necessary modification of services. Un structures and utilities have been plotted from available surveys are their locations must be considered approximate only. It is possible existence of which is presently not known or shown. It is the contracter determine their existence and exact location and to avoid damage additional compensation will be allowed to the contractor for any i caused by such work.

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

The contractor is expected to have materials, equipment, and labor to install and maintain erosion control features on the project. Th fence, rock ditch checks, silt basins or silt dikes.

	 z
	CONSULTANT
ll applicable codes and	8
l thoroughly familiarize e start of work. Failure to	
ing the work in accordance	
ons shown on the plans and d/or conflicts prior to	
or disposal sites for excess	
sirable to be incorporated will be allowed for material	
t-of-way, unless specifically	
le trees outside the	OWA DEPARTMENT OF NATURAL RESOURCES ENGINERING SERVICES - WALLACE BUILING 502 E. 7HI ST., DES MOINES, IA 50319-0034
or service vehicles and	
parking and service areas	IATI
encountered within the	
o notify the DNR Engineer	and the second s
contractor shall be afforded Inderground facilities,	
and records and therefore	
le there may be others, the tractor's responsibility to	
e thereto. No claims for / interference or delay	
interference of delay	
age. All elevations are to	
	INFORMATIO R: /ER LAKE guthre/dallas count
or available on a daily basis his may involve seeding, silt	
ins may moore seeding, sit	
	AND GENERAL IN PAVEMENT REPAIR FOR: BROOK/BEAVE
	GB PA
	NTITIES AND GENERAL INFORMA PAVEMENT REPAIR FOR: SPRINGBROOK/BEAVER LAKE GUTHRE/DALLAS O
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	QUANTITIES AND GENERAL INFORMA Pavement Repair For: SPRINGBROOK/BEAVER LAKE GUTHRIE/DALLAS CO
	DRAWN BY: PROJECT NUMBER: BLF 17-04-39-02
	CHKD BY: DATE: March 2018
	SHEET No:
	└ C.01

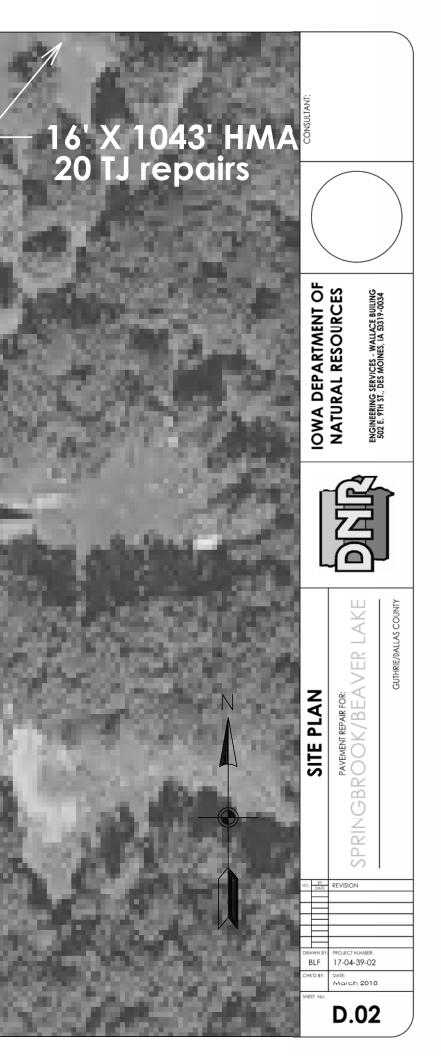




160th Street

PARK ENTRANCE

Park Office



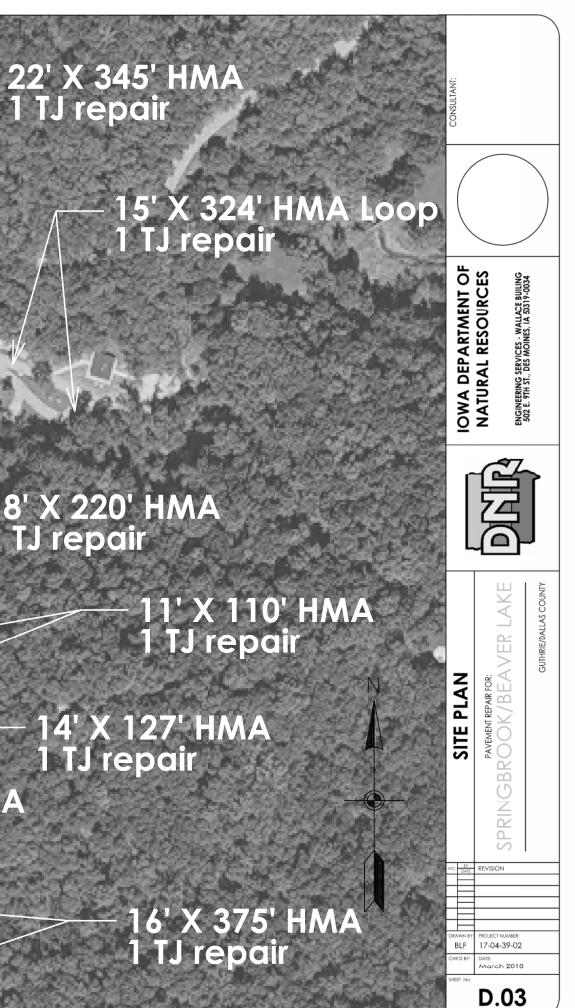
15' X 1994' HMA 2 TJ repairs

CAMPG UND

18' X 220' HMA 1 TJ repair

4' X 8' HMA Patch

5' X 550' HMA TJ repair



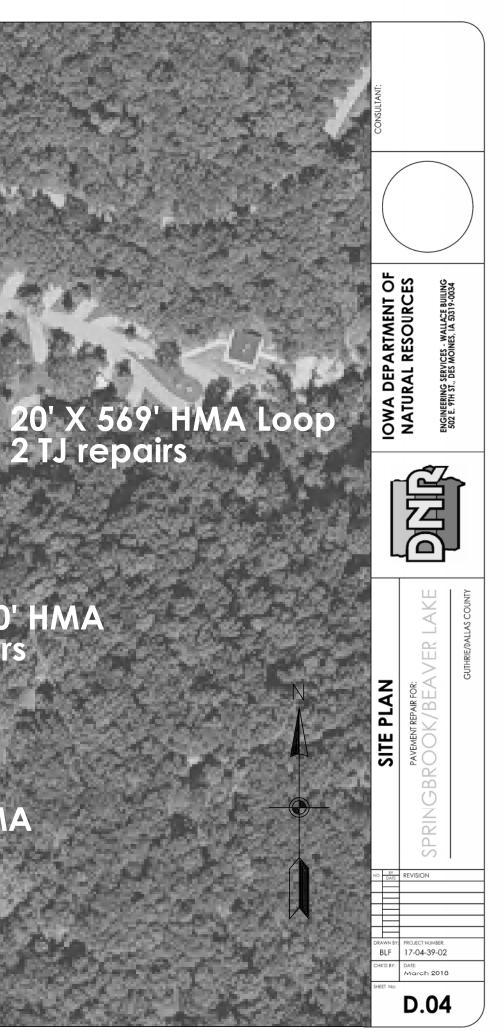
— 20' X 758' HMA _ 1 TJ repair

CAMPGROUND

22' X 1622' HMA -2 TJ repairs

18' X 1120' HMA 2 TJ repairs

12' X 624' HMA 12 TJ repairs



13' X 525' HMA 3 TJ repair

> 4' X 65' HMA Patch

6' X 30' HMA Patch

CAMPGROUND

20' X 108' HMA Dump Station Lane

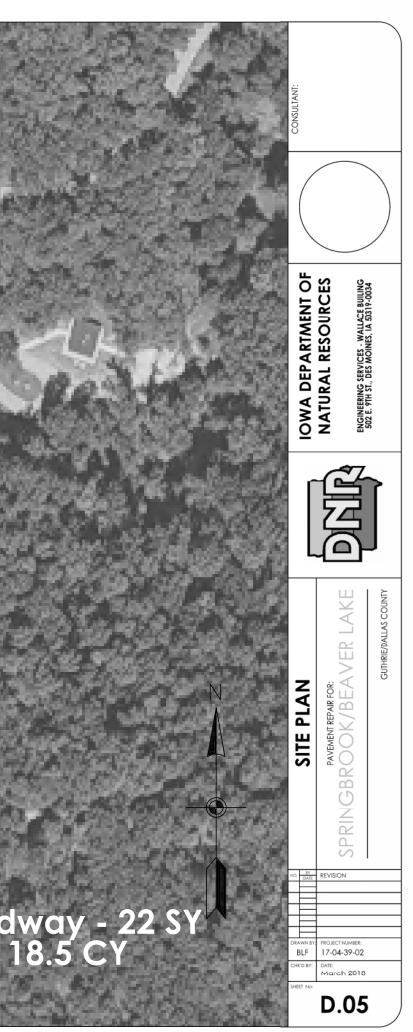
5' X 20' HMA Patch

- 6' X 25' HMA Patch

-12' X 24' HMA Patch

12' X 40' HMA Patch

5' X 100' HMA Widening - 18 Ton Remove inside 2' of existing roadway - 22 SY 5'x100'x1' Class 10 excavation - 18.5 CY Special backfill - 17.5 Ton



Park Office -

160th Street

160th Street

15' X 720' HMA — 1 TJ repair

	CONSULTANT:
Park Entrance	IOWA DEPARTMENT OF NATURAL RESOURCES ENGINEERING SERVICES - WALLACE BUILING 502 E. 97H ST., DES MOINES, IA 5331 9-0034
River Access Entrance	AIR FOR: BEAVER LAKE GUTHRIE/DALLAS COUNTY
	SITE PLAN SITE PLAN PAVEMENT REPAIR FOR: DOISTANA AND SPRINGBROOK/BEA
	DRAWN 81" PROJECT NJIMBER: BLF 17-04-39-02 CHKD 87: DATE: March 2010 SHEET No: D.066

21' X 1684' HMA 5 TJ repairs

18' X 167' HMA 1 TJ repair

Beach

- 26' X 350' HMA 2 TJ repairs 26' X 358' HMA 3 TJ repairs

20' X 79' HMA 1 TJ repair Day Use Area

22' X 476' HMA 1 TJ repair

20' X 206' HMA Loop 1 TJ repair

CCC Shelter

OWA DEPARTMENT OF NATURAL RESOURCES NGINEERING SERVICES - WALLACE BUILING 502 E. 9TH ST., DES MOINES, IA 50319-0034 VER LAKE REPAIR FOR: SITE PLAN GBR SPRIN 17-04-39-02 te: tarch 2018 **D.07**

DAY USE AREA

- 14' X 2 6 TJ re

20' X 255' HMA 1 TJ repair

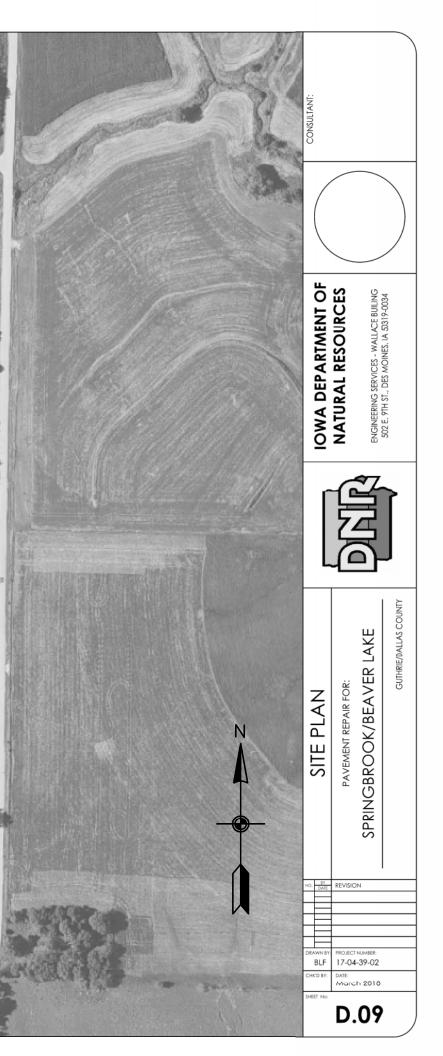
	CONSULTANT:	
2419' HMA	IOWA DEPARTMENT OF NATURAL RESOURCES ENGINEERING SERVICES - WALLACE BUILING	302 E. YIH SI., DES MOINES, IA 33317-0034
	AKE	
	SITE PLAN PAVEMENT REPAIR FOR: PRINGBROOK/BEAVER LAK	GUTHRIE/DALLAS COUNTY
	NO BY REVISION	

0.37 miles Crack and Joint Cleaning and Sealing (HMA surfaces) 116 Lbs sealer material 3460 SY - fog seal 18 transverse joint repairs

> 0.08 miles Crack and Joint Cleaningand Sealing (HMA surfaces) 25 Lbs sealer material 560 SY - fog seal 3 transverse joint repairs

0.35 miles Crack and Joint Cleaningand Sealing (HMA surfaces) 110Lbs sealer material 3277 SY - fog seal 9 transverse joint repairs

Del Rio Road



TRAFFIC CONTROL PLAN NO MORE THAN 2 AREAS MAY BE CLOSED AT ONCE

BEACH AREA CLOSED TO TRAFFIC 1 CLOSURE

YOUTH AREA CLOSED TO TRAFFIC 1 CLOSURE CCC SHELTER CLOSED TO TRAFFIC 1 CLOSURE

BOAT RAMP CLOSED TO TRAFFIC 1 CLOSURE

CAMPGROUND AND ENTRANCE WORK COMPLETED UNDER TRAFFIC

RIVER ACCESS CLOSED TO TRAFFIC 1 CLOSURE



Safety Closure 1 each

BEAVER LAKE TRAFFIC CONTROL PLAN

Safety Closure-1 each

Safety Closure– 1 each

Del Rio Road

