IOWA DEPARTMENT OF NATURAL RESOURCES

FOR LACEY-KEOSAUQUA STATE PARK 2023 PCC TRAIL VAN BUREN COUNTY, IOWA

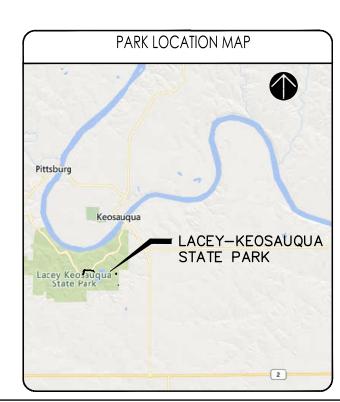
PROJECT #23-06-89-01



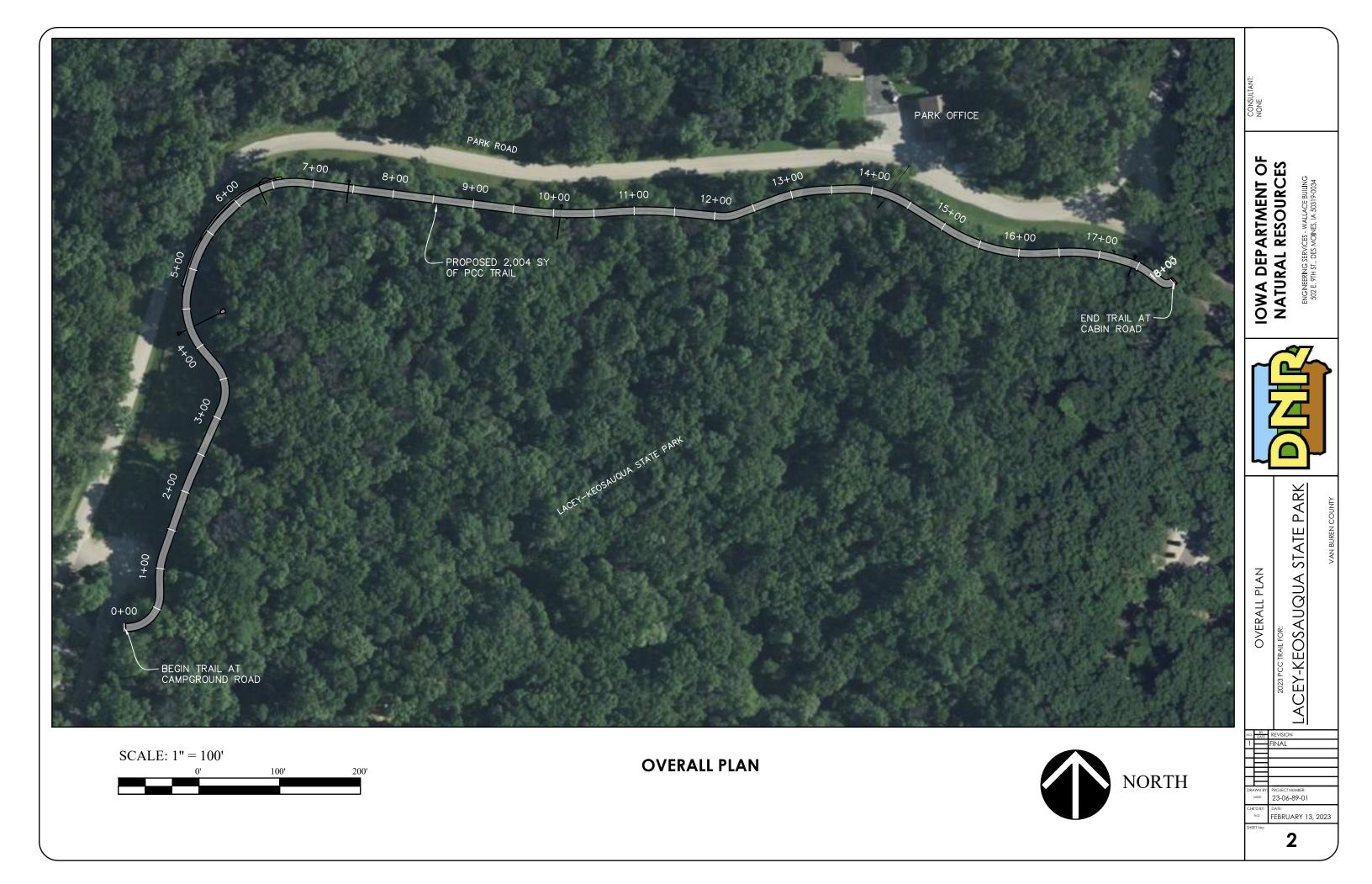
	DIRE	CTORY		
PROJECT MANAGER		CONSTRUCTION INSPECTOR		
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	
ADDRESS	502 EAST 9TH STREET	ADDRESS		
CITY,STATE,ZIP	DES MOINES, IA 50319	CITY,STATE,ZIP	DES MOINES, IA 50319	
CONTACT	MICHAEL DUFOE	CONTACT	MICHAEL DUFOE	
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FAX		FAX		
EMAIL michael.dufoe@dnr.iowa.gov EMAIL michael.dufoe@dnr.iowa.gov			michael.dufoe@dnr.iowa.gov	



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ESTIMATED PROJECT QUANTITIES

Item No	Description	Quantity	Unit
1	Mobilization	1	LS
2	Clearing and Grubbing	1	LS
3	Unclassified Fill	500	CY
4	Filter Sock	1800	LF
5	Storm Sewer, 12" PVC	124	LF
6	Culvert, 24" PVC	50	LF
7	Flared End Section, 24" RCP	1	EA
8	Area Intake, 12" Dia.	3	EA
9	Curb Intake, SW-501	1	EA
10	Adjust Water Valves	1	LS
11	Granular Subbase	550	Tons
12	PCC Trail, 5" Depth Reinforced	2004	SY
13	PCC Curb & Gutter, 2.5' Wide, 6" Curb	185	LF
14	Truncated Domes, Iron 2' Wide	40	SF
15	Topsoil Remove, Store and Respread	536	CY
16	Erosion Stone, 6"	20	Tons
17	Class E Revetment	16	Tons
18	Seeding and Fertilizing	0.50	Acre

ESTIMATED PROJECT QUANTITIES NOTES:

Bid Item 2 — Clearing and Grubbing:

Includes removing all stumps within the grading/trail area and moving them off into the surrounding wooded areas.

Bid Item 3 - Unclassified Fill:

Fill to be obtained from "bone yard" area just north of campground. Suitable material only as approved by the Engineer. Quantities include filling in stump holes. Measurement to be by truck count (8 CY typical).

Bid Item 4 - Filter Sock

Item is a contingency item to be placed along the downstream edge of fill areas, as directed by the Engineer.

Bid Items 5 & 6 - Storm Sewer, PVC

Can be PVC or HDPE meeting lowa DOT or SUDAS Standards.

Bid Item 7 - Flared End Section, 24" RCP

Includes placement of headwall and concrete collar connection to PVC storm sewer.

Bid Item 8 - Area Intake, 12" Dia.

Nyloplast Area Intake to be used, or approved alternate. May consider lowa DOT SW-512 if price is less.

Bid Item 10 - Adjust Water Valves

A Lump Sum bid item to raise three water valves as shown in the plans. Includes all material and labor to bring water valve to new grade.

Bid Items 12 - PCC TRAIL, 5" Depth Reinforced

Includes reinforcement per detail sheet 7. Includes saw cuts every 10' (typical). PCC shall be C3 or C4.

Bid Item 16 - Eronsion Stone, 6"

A contingency item for placement of erosion stone in areas as determined by the Engineer.

Bid Item 18 — Seeding, Fertilizing and Mulching Includes seed for an urban turf grass, with fertilizer and straw matting.

	GENERAL NOTES:
ITEM	DESCRIPTION
A.	The contractor shall notify the following two weeks prior to construction: 1. District Inspector: Michael Dufoe, P.E. (515)—985—9196
В.	The contractor shall verify actual locations and elevations with the D.N.R Inspector.
C.	All work shall conform to and be performed in accordance with all applicable codes and ordinances.
D.	The contractor shall visit the site and inspect the project area and thoroughly familiarize themselves with the actual job conditions prior to the start of work. Failure to visit the project site shall not relieve the contractor from performing the work in accordance to the plans, specifications, special provisions and contract.
E.	The contractor shall verify, at the site, all dimensions and conditions shown on the plans and shall notify the D.N.R Inspector of any discrepancies, omissions and/or conflicts prior to proceeding with the work.
F.	The contractor is responsible for disposal 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, unless specifically stated in the plans or approved by the D.N.R Inspector.
G.	The contractor shall not disturb desirable grass areas and desirable trees outside 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 D.N.R Inspector.
Н.	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, if needed.
l.	The contractor shall be responsible for any damage to existing facilities resulting from their negligence, or that of a subcontractor, and said repairs shall be approved by the owner.
J.	All work shall be per lowa Statewide Urban Design and Specifications (SUDAS). Manuals can be viewed online at www.iowasudas.org.
к.	Construciton Survey to be completed by lowa D.N.R. with 2—week minimum notice.

IOWA DEPARTMENT OF NATURAL RESOURCES

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QUANTITIES AND GENERAL NOTES **ACEY-KEOSAUQUA**

23-06-89-01 FEBRUARY 13, 2023

