IOWA DEPARTMENT OF NATURAL RESOURC

CONSTRUCTION DOCUMENTS **CAMPGROUND LEACH FIE BELLEVUE STATE PARK** JACKSON COUNTY, IOWA

PROJECT # 19-06-49-01

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SHAHID HAMEED	Shahid Hameed	Date
	My license renewal date is Decer	nber 31, 2024.
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PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF CONSTRUCTING A NEW LEACH FIELD SYSTEM FCR PARK CAMPGROUND AND OTHER MISCELANEOUS WORK ASSOCIATED WITH THE PROJECT



	SHEET INDEX				
CES	1 2 3 4 5 6	COVER SHEET LOCATION MAP LEACH FIELD LAYOUT LIFT STATION DETAILS LATERAL DETAILS QUANTITIES AND GENERAL INFORMATION	CONSULTANT:		
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4			IOWA DEP/	NATURAL I ENGINEERING SERVIC	502 E. 9TH ST., DES M
				DNR	Natural Resources
					JACKSON COUNTY
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AUTHORIZATION TO BID			BY		
AUTHORIZATION - PARKS WILDLIFE FISHERIES LAW ENFORCEMENT FORESTRY DATE			DRAWN BY CHK'D BY: SHEET NO:	REVISION REVISI	
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DIRECTORY

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			
CONTACT	MIKE HAMEED	CONTACT	MARK MOELLER		
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FAX		FAX			
EMAIL mike.hameed@dnr.iowa.gov		EMAIL	mark.moeller@dnr.iowa.gov		











STANDARD PUMP STATION CONTROL PEDESTAL NOT TO SCALE

SUPPLIED BY CONTRACTOR

ADDERS:

ADDERS: 40 - FLOAT OPERATED - TRIPLEX AH - ANTI-CONDENSATION HEATER D20 - MOUNT AUTO DIALER INSIDE PANEL LAW/LAD - LIGHTINING SECONDARY SURGE ARRESTOR PM - PHASE MONITORING SFT - SEALE FAILURE CIRCUIT AND INDICATOR - TRIPLES SS4 - 304 STAINSLESS STEEL ENCLOSURE WITH OMNISITE XR50 DIALER (OR APPROVED EQUIVALENT)

ONE ALUMINUM HATCH APS 24 X 30, CLEAR OPENING 21 11 / 16 X 29, ALUMINUM, WEIGHT 53 LBS WITH EXTERIOR STAPLE, BITUMINOUS PAINT, MILL FINISH. USF FABRICATION 1000174230

ONE ALUMINUM HATCH APS 32 X 66, CLEAR OPENING ALUMINUM, WEIGHT 53 LBS WITH EXTERIOR STAPLE, BITUMINOUS PAINT, MILL FINISH. USF FABRICATION 1000002207

CONTRACTOR WILL ALSO SUPPLY ANCHOR BOLTS, ELECTRICAL STRAIN RELIEFS, PIPING, VALVES, COUPLINGS, FLANGES, GASKETS & FASTENERS, VENTS, GAUGES, ALUMINUM ACCESS HATCHES OFFLOADING, STORAGE, INSTALLATION & WIRING OF ANY KIND.

CONTRACTOR WILL ALSO INCLUDE COST OF START UP SERVICE & CONTROLS TRAINING SESSION.

THREE - 5 HP HYDROMATIC HPGFH(X) EXPLOSION PROOF 240 VOLTS 3 PHASE SUBMERSIBLE CENTRIFUGAL GRINDER PUMPS (OR APPROVED EQUIVALENT) CAPABLE OF DELIVERING 57 GPM @ 54 TDH, COMPLETE WITH RAIL SYSTEMS GUIDE RAILS, 35 FT. CABLES, CHAIN, CABLE FLOAT HANGERS AND SHACKLES.

ONE - SEAWATER PARABOLA TRIPLEX VFD CONTROL PANEL PART NO. PTM3C40-40-AH-D20-LAW/LAD-PM-SFT-SS4 (OR APPROVED EQUIVALENT)

CONSULTANT:				
IOWA DEPARTMENT OF	NATURAL RESOURCES	ENGINEERING SERVICES - WALLACE BUILING 502 E. 9TH ST., DES MOINES, JA 5031 9-0034		
			Natural Resources	
LIFT STATION DETAILS	CAMPGROUND LEACH FIELD	BELLEVUE STATE PARK	JACKSON COUNTY	
NO. BY DATE	REVIS	SION CT NUMBER:		
CHK'D BY: SHEET NO:	19-0 DATE:	D6-49-01		



ESTIMATED PROJECT QUANTITIES

ITEM N	O. ITEM	UNIT	TOTAL		
1	Mobilization	Lump Sum	1		
2	Downed Trees & Stump Removal Including Clearing & Grubbing	Acre	1.3		
3	Lift Station Complete With Wet Well, Valve Pit, Pumps, Electric Wiring, Valves & Controls				
	(Excludes Secondary Wiring from Transformer)	Lump Sum	1		
4	Secondary Single Phase Wiring to Lift Station (Approx. Length 350 ft.)	Lump Sum	1		
5	Connection To New Lift Station & Plug Existing Outlet in Existing Manhole	Lump Sum	1		
6	Install New 3" HDPE SDR 17 Or PVC Sch. 80 Forcemain (Bored or Open Cut)	LF	1150		
7	Install New Leach Field System Complete With Manifold, Valves, Laterals And Chambers	Lump Sum	1		
8	8" Filter Sock	LF	700		
9	Seeding Mulching & Fertilization	Acre	1.3		
10	NPDES General Permit No. 2 & SWPPP	LUMP SUM	1		
	ESTIMATE REFERENCE INFORMATION				
ITEM NO.	DESCRIPTION				
2. A. Includes the removal and disposal of downed trees and stumps as directed by the DNR inspector. The trees can also be burnt onsite.					
3	A. Cost will include start up and training				
5	A. Pipe connections to the manholes & lift station will be done using Link Seal.				

- 7 A. Install chambers as per manufaturer instructions and Chapter 69 of IAC.
- A. Contractor shall seed, fertilize, and mulch all disturbed areas.
 B. All rural seeding shall be completed per Statewide Urban Standard Design Specifications for Public improvements (SUDAS) Section 9010.
 C. All rural seeding shall be completed using DOT Urban of Class "C" seed mix.
- 10 A. Contractor is responsible for obtaining the necessary permit, SWPPP, inspection and maintaining the logs.

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 co access to these facilities for necessary modification of services. Un structures and utilities have been plotted from available surveys ar 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.

All construction with comply with SUDAS and Chapter 69 of Iowa

All electrical work will be in conformance with National Electric Co with local utility company regulations.

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