

IOWA DEPARTMENT OF NATURAL RESOURCES
LAND & WATERS BUREAU
WALLACE STATE OFFICE BUILDING

ADDENDUM No. 2

HICKORY GROVE LAKE
MECHANICAL DREDGING & SHORELINE ARMORING
STORY COUNTY, IOWA
PROJECT NUMBER: 16-02-85-05

November 6, 2018

This Addendum is issued to modify, explain or correct the original Drawings and Specifications, and is hereby made a part of the Contract Documents. Please attach this Addendum to the Project Manual in your possession. Insert the number and issue date of this Addendum in the blank space provided on the Proposal Form.

Pre-Bid Meeting Notes:

A. The pre-bid meeting agenda, handout, and sign-in sheet are attached.

B. Clarifications

1. Regarding bid items 13 (Class D Revetment - Linear Mounds - Labor Only), 14 (Class D Revetment - Salvaged Rock - Labor Only) and 33 (Porous Backfill - Pea Gravel - Labor Only), Story County Conservation shall purchase the material from a quarry of the contractor's choice. The contractor shall be responsible for hauling the material from the quarry to the project and placing the material per the plans.
2. Chipping and stockpiling or spreading of woody debris is not allowed.
3. The park road beyond the campground intersection will be closed to the public during construction.
4. In the aerial photo, the primary spoil site appears to be darker than the surrounding upland area. This is because the primary spoil site was burned right before the aerial photo was taken. The primary spoil site consists of upland prairie.
5. Regarding bid item #8, 942 Draw Down, any perched pools of water, such as the perched pool east of 680th Avenue, do not need to be dewatered. The intention of this bid item is to ensure the main lake is at or below elevation 942 during the time periods specified on sheet C.01.
6. The native soil excavations at the Main Boat Ramp and the Shop Shorelines as well as Dredge Areas 1, 2, 3, 4, and 5 shall all be excavated to elevation 957.00. The Lower East Game area shall be excavated to elevation 959.00 at the downstream end, and step up to elevation 961.00 at the upstream end. The Upper East Game area shall be excavated to elevation 965.00.
7. The access route to the East Game excavation site as shown on sheet D.04 is shared with a residence. This access shall be maintained in such a way to allow single vehicle traffic.
8. Regarding lake dewatering, excavating through the dam embankment will not be allowed for bidding purposes.
9. Stage volume of the lake is attached.

Specifications:

- A. 00300 - PROPOSAL - Line item #10, *Class 10 Excavation (Waste)* has been updated. Attached is the revised proposal form.

11/6/2018

ADDENDUM #2

Plans:

- A. B.01 - The *TOP OF RIPRAP* elevation of the *SHORELINE ARMORING DETAIL C* is incorrect. Attached is the revised plan sheet.
- B. C.01 - The note for bid item #8.D is incorrect. Additionally, note F has been added to that bid item. Attached is the revised plan sheet.
- C. D.01 - Dredge Area 5 was left off of the quantities table. Attached is the revised plan sheet.

PRE-BID MEETING

16-02-85-05 - Hickory Grove Lake – Mechanical Dredging & Shoreline Armoring
Story County, Iowa
10:00 AM November 2, 2018

- Introduction
- Contract Information
 - Estimated Cost
 - § \$3,400,000.00
 - Proposal Guarantee Bond
 - § \$175,000.00
 - Bid Opening
 - § November 15, 2018
 - Early Start Date
 - § February 1, 2018
 - Completion Date
 - § April 30, 2020
 - Liquidated Damages
 - § \$900 per day
- Lake Level
 - Normal Pool 970.50
 - 30" dia. drawdown valve flowline elevation 961.32
 - Upper end submerged culvert
- Brief Project Overview
 - DOT Specifications
 - Truck access limited to east entrance for excavation and shoreline work
 - Native Soil Excavation
 - § 79,622 CY estimated cut
 - § 73,279 CY estimated fill – Main Boat Ramp, Southeast Boat Ramp, Shop
Shoreline Jetties, Trail
 - M&D required for fill under pavement
 - Sediment Removal – Including alternate
 - § 69,233 CY estimated cut – not suitable for fill
 - §
 - Spoil Site
 - § Primary site shall be constructed first, 85,661 CY capacity
 - § DOT Stabilizing crop only
 - Minor clearing and grubbing – may burn and bury
 - Shoreline Armoring – 11,286 feet
 - § Mostly class E without fabric
 - § Some Flexamat by the Shop Jetties

- Habitat
 - § Linear Mounds
 - Spoil core, topped with owner-provided riprap and pea gravel
 - § Salvaged Rock Mounds
 - Spoil core, topped with rock salvaged from the shoreline
- Trail Bridge
 - § 10' x 100' weathering steel with wooden deck
- Main Ramp
- Southeast Boat Ramp
- Trail
 - § Grass top
- 942 draw down bid item
 - Need to draw lake down twice
- Woody debris removal bid item
- Addenda
 - Addendum #1 – Pre-bid meeting invite
 - Addendum #2 – Pre-bid meeting notes, bridge substitutions
- Questions?

N

SEC. 24

STORY COUNTY

NEVADA
T-83N R-

STORY COUNTY

Road Contractor to furnish & install twin
15'-8" x 9'-7" x 108'-0" (Bottom Line Measure) Structural
Plate Arch w/3 to 1 Bevel ends - 3 Sage Steel-
L-Structure shall be located at Sta. 66+89 & 1 at
Sta. 67+11 with proposed Flowline at Elev. 131.9 - DA = 4500 AC.

At Sta. 68+10. County to Furnish & install a 54" x 200' elongated
C.M.P. - Contractor to furnish Dirt at culvert location
which County will use for Backfill over culvert and will
Compact same to a depth of 2 feet Above top of Pipe.
Contractor shall then Finish the Fill & compaction
between Abutments - Proposed Fil. Elev = 117.0

Borrow Pit #3
13,250 Cu. Yds.

Sta 62+14.72
Begin Section "B"

P.I. - Sta. 62+14.72
70° Spike A = 87°36' Lt.

Borrow Pit #2

60

+80

+14.72

+47

Borrow Pit #2
2,550 Cu. Yds.

65

Sta. 68+77.15 - 1/4 Cor.
P.I. - Iron Pin
A 0°06' Lt.

+77

70

60' R.O.W.

60' R.O.W.

33' R.O.W.

+86

For Grading Section on
Local Road Running South
See Profile Below & X-Sections

+80

Local Rd. South

+47

+14.72

Borrow Pit #1
7,000 Cu. Yds.

+82

HO

179

+96 Dr.

+15

+62

Sta. 71+76 Dr.
Backfill

WYATT LYON & ALDA LYON

STORY COUNTY

SEC. 24

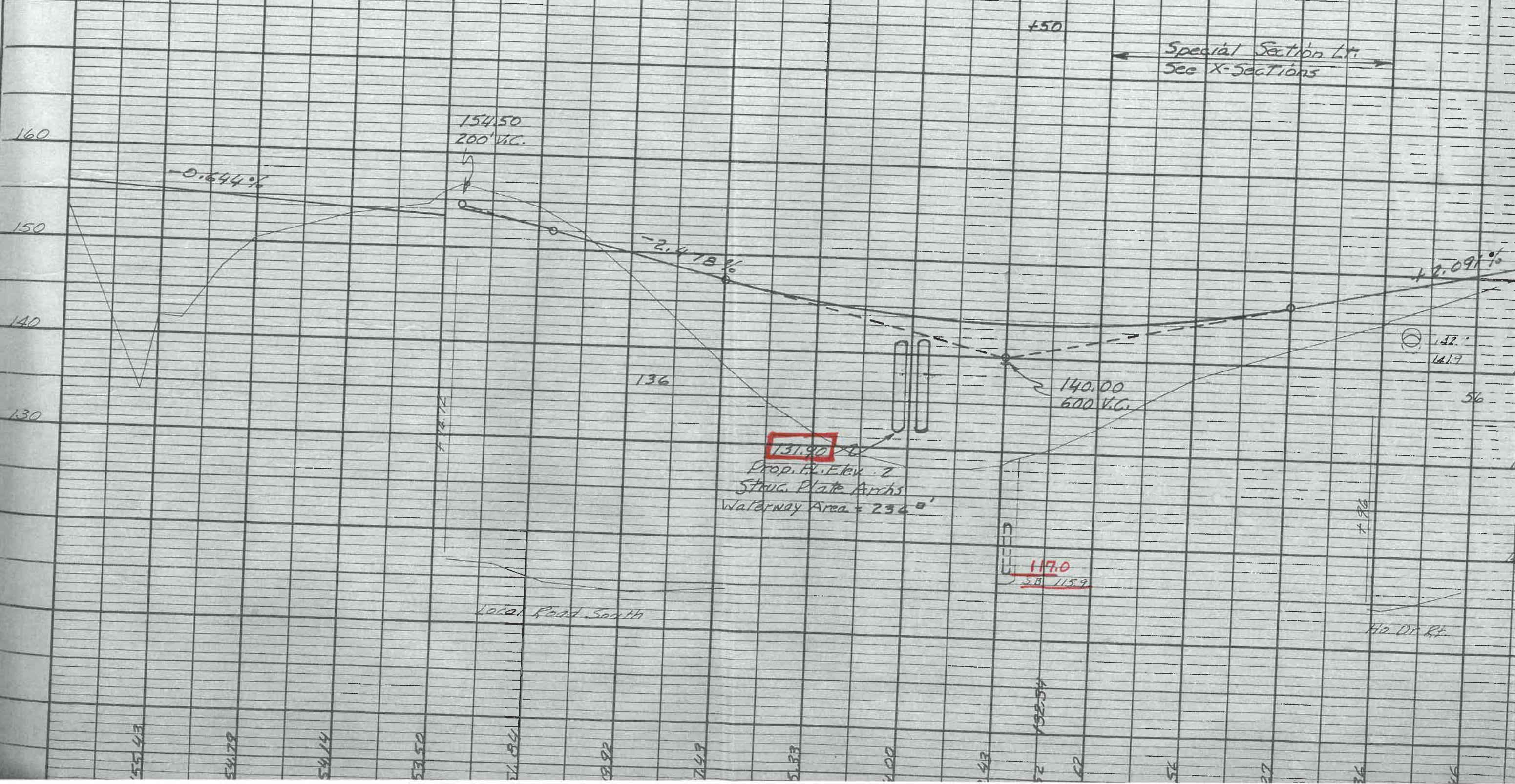
Sta. 68+09 - 20' x 18' I-Beam
D.A. = 4500 AC. - County to
Remove Conc Deck & I-beams
Leaving old Conc. Abuts. for
Incorporation into Fill.

Ho. Drain - Sta. 71+00
Extend thru grade with
Bituminous Treated 6" C.M.P.
by County

remove Long Deck & I-beams
 Leaving Old Conc. Abuts. for
 Incorporation into Fill.

Cut														
Fill + Shr.					1668	789	250	0	0	449	2152	2141	1024	204
Required					131	1524	4569	8378	5481	9377	2308	2157	1833	752
End Haul					0	735	4319	8378	5481	8928	156	16	809	548
Balance					1537	0	0	0	0	0	0	0	0	0

$Cut = 13,028 + 1602$ From Rd Connection = 14,630 Cu. Yds.
 Borrow = 22,797 Cu. Yds. Fill = 28,797



Hickory Grove Pre-Bid Meeting

Name.

Company

Heath Delzell

Iowa DNR

Luke Feilmes

SCCB

Bill BERR

UCIT Co.

Darin Hendrickson

Hendrickson

DON LABATE

IOWA DNR

Corey Dungey

PCI

Steve BEARKE

BEARKE INC

Adam Bliss

J Pettiecord Inc

Hickory Grove Lake - 4,382 acre watershed		
Stage Lake Volume		
Elevation (feet)	Volume (acre-feet)	Volume (cubic feet)
970	1,209.8	1,951,811
969	1,134.9	1,830,972
968	1,061.0	1,711,747
967	988.0	1,593,973
966	916.0	1,477,813
965	845.6	1,364,235
964	778.8	1,256,464
963	715.5	1,154,340
962	655.5	1,057,540
961	600.4	968,645
960	548.0	884,107
959	498.1	803,601
958	450.4	726,645
957	404.9	653,239
956	362.9	585,479
955	323.7	522,236
954	287.1	463,188
953	253.1	408,335
952	221.8	357,837
951	192.5	310,567
950	165.2	266,523
949	140.5	226,673
948	118.1	190,535
947	97.5	157,300
946	78.5	126,647
945	61.8	99,704
944	46.7	75,343
943	33.1	53,401
942	21.2	34,203
941	12.0	19,360
940	5.1	8,228

Time and Date of Letting **11:00 AM, November 15, 2018**

PROPOSAL

Project Description and Location

Project No. **16-02-85-05**

**MECHANICAL DREDGING & SHORELINE ARMORING
HICKORY GROVE LAKE
STORY COUNTY, Iowa**

Proposal of: _____
(Name of Bidder)

Located at: _____
(Address) (Telephone include area code)

Amount of Proposal Guarantee	Specified completion date or Number of Working Days	Approx. or Specified Starting Date or Number of Working Days	Liquidated Damages Per Day
\$175,000.00	4/30/2020	2/1/2019	\$900.00

The undersigned hereby agrees, if awarded the contract, to execute the proposed contract and to furnish an approved performance bond in a amount not less than 100 percent of the contract award within 30 days after the date of approval of award of the contract, and to provide all labor, materials, and equipment required to complete the project designated above, for the price hereinafter set forth, in strict compliance with the contract documents prepared by the Iowa Department of Natural Resources.

The undersigned agrees, if awarded the contract, to commence the work within a reasonable time after the preconstruction conference or by the specific starting date, if so specified, and to complete the work within the contract period, or to pay liquidated damages in the amount stipulated herein for each calendar day the work remains uncompleted after the expiration of the contract period or any authorized reduction thereof.

A proposal guarantee in the amount stipulated herein is included with this proposal, to be forfeited to the Iowa Department of Natural Resources if the undersigned fails to execute the contract and furnish an approved performance bond, if awarded the contract.

By virtue of statutory authority, preference will be given to products and provisions grown and coal produced within the state of Iowa, and also, a resident bidder shall be allowed a preference against a nonresident bidder from a state or foreign country which gives or requires a preference to bidders from that state or foreign country on projects in which there are no federal funds involved.

BY

(Iowa Contractor Registration No.) (Signed) (Date)

(FID/EIN/SSN) (Phone Number) (Fax Number)

(Email Address)

By signing and submitting the proposal, the bidder:

1. Gives an unsworn declaration on behalf of each person, firm, association, partnership, or corporation has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with such contract, and is not under debarment currently by the Federal government for a criminal violation which is reasonably related to bidding and contracting procedures; and

2. Affirms to have examined the plans, specifications, and job site to become acquainted with the adjacent areas, means of approach to the site, conditions of the actual job site, and the facilities for delivering, storing, placing, and handling of materials and equipment.

SCHEDULE OF PRICES

Project Description and Location

MECHANICAL DREDGING & SHORELINE ARMORING, HICKORY GROVE LAKE, STORY COUNTY

Name of Bidder

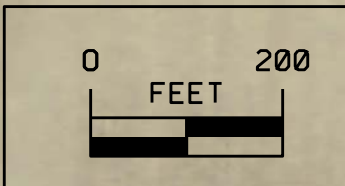
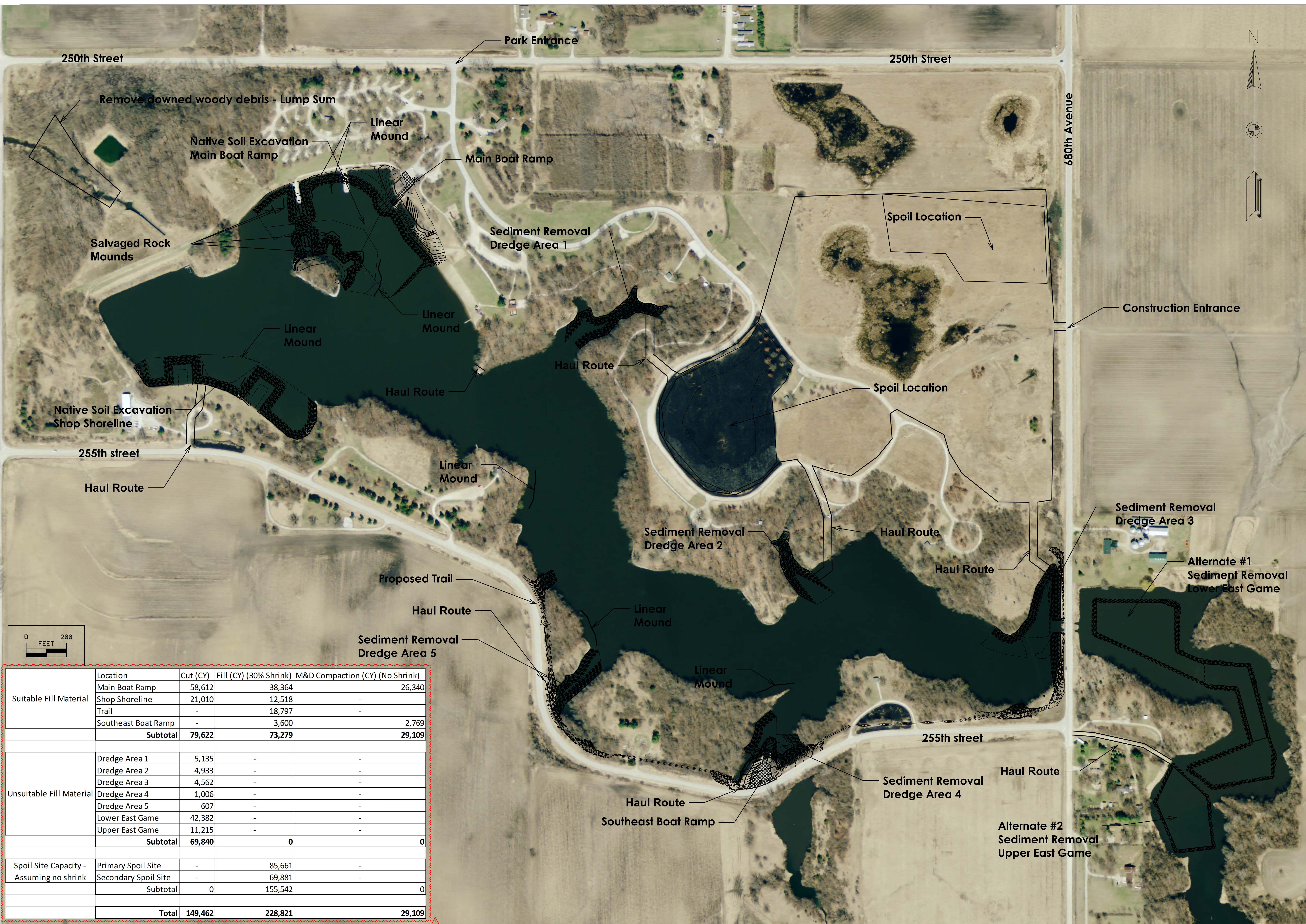
THE "UNIT PRICE" AND "AMOUNT" COLUMNS MUST BE FILLED IN FOR THIS PROPOSAL TO BE CONSIDERED COMPLETE. IF THERE IS A DISCREPANCY BETWEEN UNIT BID PRICES, EXTENSIONS, OR TOTAL AMOUNTS OF BID, THE UNIT PRICES SHALL GOVERN.

Item No.	Description	Estimated Quantity	Unit Price	Amount
1	24" Dia CMP	418 Lin. Ft.		
2	3/8" Minus Crushed Stone	6 Tons		
3	30" Dia. CMP	45 Lin. Ft.		
4	36" Dia. CMP	76 Lin. Ft.		
5	5" PCC	84 SY		
6	6" PCC	4530 SY		
7	8" Dia. CMP	53 Lin. Ft.		
8	942 Draw Down	2 Each		
9	Class 10 Excavation (Embankment)	73,279 CY		
10	Class 10 Excavation (Waste)	22,586 CY		
11	Class A Crushed Stone	84 Tons		
12	Class D Revetment	266 Tons		
13	Class D Revetment - Linear Mounds - Labor Only	1300 Tons		
14	Class D Revetment - Salvaged Rock - Labor Only	660 Tons		
15	Class E Revetment	13,688.6 Tons		
16	Clearing and Grubbing	3.38 Acres		
17	Compaction with Moisture and Density Control	29,109 CY		
18	Concrete Testing	1 Lump Sum		

19	Construction Staking	1	Lump Sum		
20	Dewatering	1	Lump Sum		
21	Dock Abutment	4	Each		
22	Engineering Fabric	1,900	SY		
23	Flexamat	962	Lin. Ft.		
24	Handicap Signs	5	Each		
25	In-Lake Access	1	Lump Sum		
26	M&D Testing	1	Lump Sum		
27	Mobilization	1	Lump Sum		
28	Mulch Sock	7,116	Lin. Ft.		
29	Parking Bumpers	10	Each		
30	Pavement Removal	1,946	SY		
31	Pavement Striping	1,584	Lin. Ft.		
32	Pedestrian Trail Bridge - 10' x 100'	1	Each		
33	Porous Backfill - Pea Gravel - Labor Only	240	Tons		
34	Precast Concrete Bridge Abutment System	2	Each		
35	Seeding - Native Grass	12	Acres		
36	Seeding - Stabilizing Crop	13.8	Acres		
37	Service Vehicle Sign	1	Each		
38	Site Restoration	1	Lump Sum		
39	Special Backfill	1,796	Tons		
40	Structural Concrete	788	SY		
41	Swale w/ Intake and Tile	1	Lump Sum		
42	Traffic Control	1	Lump Sum		
43	Woody Debris Removal	1	Lump Sum		
		Base Bid	Subtotal		

	Alternate 1			
44	Class 10 Excavation (Waste)	42,382	CY	
		Alternate 1	Subtotal	
	Alternate 2			
45	Class 10 Excavation (Waste)	11,215	CY	
		Alternate 2	Subtotal	
	Alternate 3			
46	Class A Crushed Stone	362	Tons	
47	24" Dia CMP	40	Lin. Ft.	
48	Class D Revetment	15	Tons	
49	Engineering Fabric	25	SY	
50	Canoe Access	1	Lump Sum	
		Alternate 3	Subtotal	
Base + Alternate 1 + Alternate 2 + Alternate 3 Total				

Bidder Acknowledges Receipt of Any Issued Addenda Below (Number and Date)	List of Subcontractors (Attach additional pages, if necessary)
Addendum #1 – 10/31/2018	
Addendum #2 – 11/6/2018	



	Location	Cut (CY)	Fill (CY) (30% Shrink)	M&D Compaction (CY) (No Shrink)
Suitable Fill Material	Main Boat Ramp	58,612	38,364	26,340
	Shop Shoreline	21,010	12,518	-
	Trail	-	18,797	-
	Southeast Boat Ramp	-	3,600	2,769
	Subtotal	79,622	73,279	29,109
Unsuitable Fill Material	Dredge Area 1	5,135	-	-
	Dredge Area 2	4,933	-	-
	Dredge Area 3	4,562	-	-
	Dredge Area 4	1,006	-	-
	Dredge Area 5	607	-	-
	Lower East Game	42,382	-	-
	Upper East Game	11,215	-	-
	Subtotal	69,840	0	0
Spoil Site Capacity - Assuming no shrink	Primary Spoil Site	-	85,661	-
	Secondary Spoil Site	-	69,881	-
	Subtotal	0	155,542	0
	Total	149,462	228,821	29,109

CONSULTANT:



IOWA DEPARTMENT OF NATURAL RESOURCES & STORY COUNTY CONSERVATION BOARD
 ENGINEERING SERVICES - WALLACE BUILDING
 502 E. 9TH ST., DES MOINES, IA 50319-0034



STORY COUNTY

Overall Plan

MECHANICAL DREDGING & SHORELINE ARMORING FOR:
HICKORY GROVE PARK

NO.	BY DATE	REVISION
1	HD 11/27/18	REVISION

DRAWN BY: HD PROJECT NUMBER: 16-02-85-05
 CHKD BY: DATE: 10/2018

SHEET No: **D.01**