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
  - 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 680<sup>th</sup> 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.

#### 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

0

Ο

- Contract Information
  - o Estimated Cost
    - **§** \$3,400,000.00
    - Proposal Guarantee Bond
      - **§** \$175,000.00
    - Bid Opening
      - S November 15, 2018
  - o Early Start Date
    - § February 1, 2018
  - o Completion Date
    - **§** April 30, 2020
  - o Liquidated Damages
    - § \$900 per day
- Lake Level
  - o Normal Pool 970.50
  - o 30" dia. drawdown valve flowline elevation 961.32
  - o Upper end submerged culvert
- Brief Project Overview
  - o DOT Specifications
  - o Truck access limited to east entrance for excavation and shoreline work
  - o 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
- o Sediment Removal Including alternate
  - § 69,233 CY estimated cut not suitable for fill

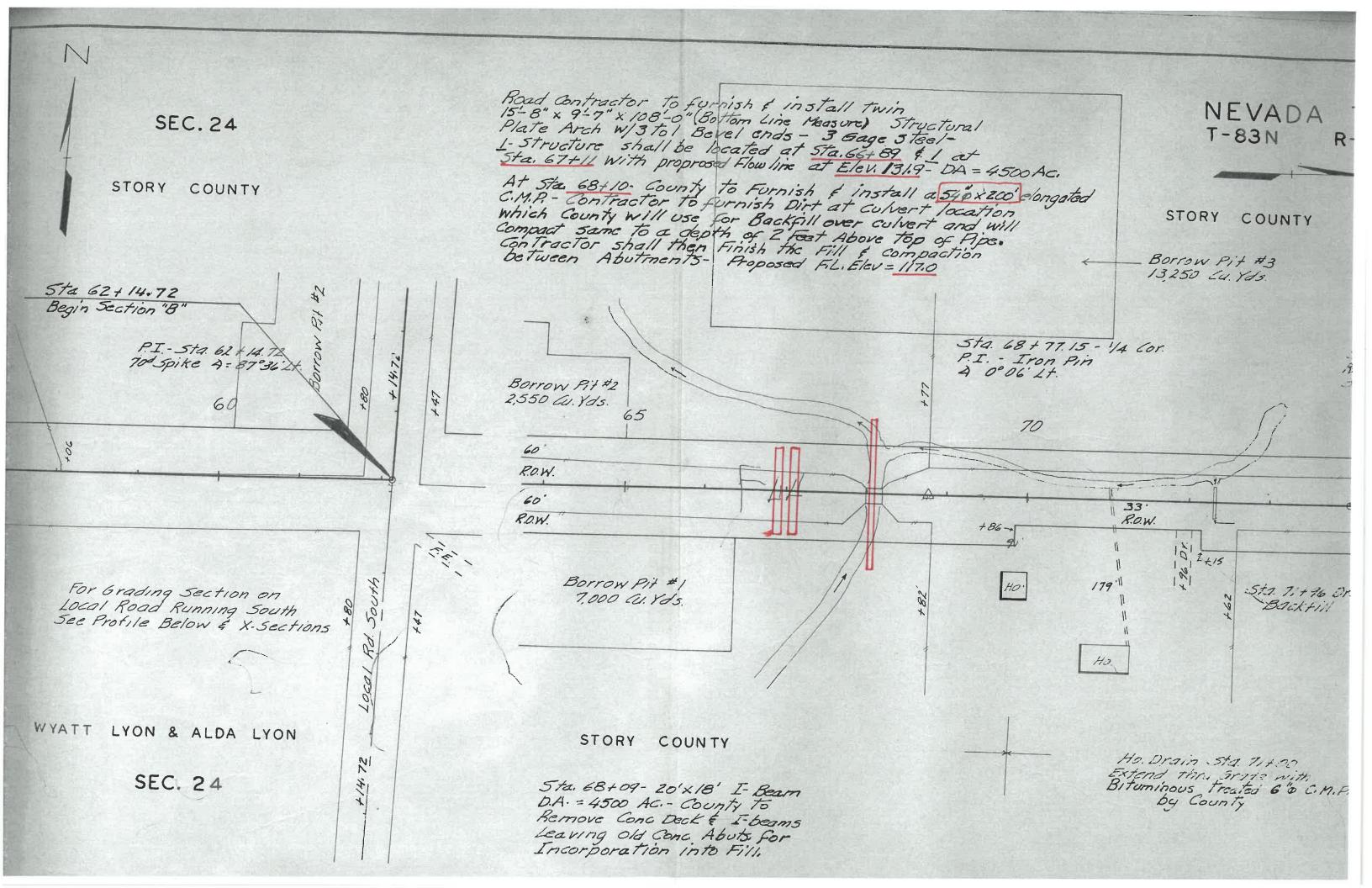
§

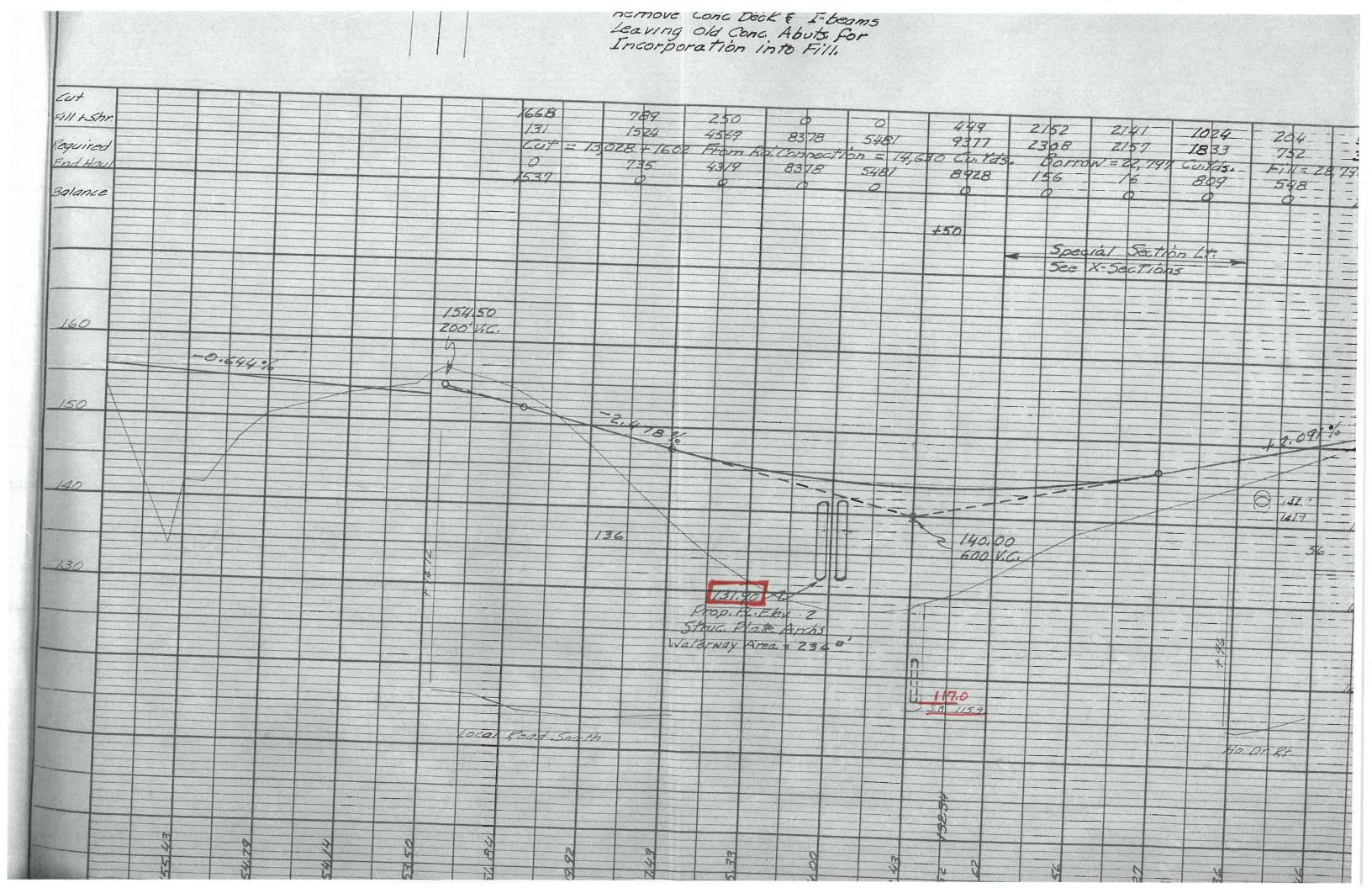
- o Spoil Site
  - Primary site shall be constructed first, 85,661 CY capacity
  - **§** DOT Stabilizing crop only
- o Minor clearing and grubbing may burn and bury
- o Shoreline Armoring 11,286 feet
  - **§** Mostly class E without fabric
  - **§** Some Flexamat by the Shop Jetties

- o 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
- o Trail Bridge
  - **§** 10' x 100' weathering steel with wooden deck
- o Main Ramp
- o Southeast Boat Ramp
- o Trail
  - **§** Grass top
- 942 draw down bid item
  - o Need to draw lake down twice
- Woody debris removal bid item
- Addenda

•

- o Addendum #1 Pre-bid meeting invite
- o Addendum #2 Pre-bid meeting notes, bridge substitutions
- Questions?





Hickory Grove Pre-Bid Meeting Nove. Company Meallh Debell Jowa DUR Like Feilmor SCCB Bill BERR UCIT Co. Davin Hendrickson Hendrickson PON LARATE FOWA DNR Cory Day cy BEHAKE Inc Store GEHRKE Adam Bliss J Pettie cord 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

#### Project Description and Location MECHANICAL DREDGING & SHORELINE ARMORING HICKORY GROVE LAKE STORY COUNTY, Iowa

16-02-85-05

**PROPOSAL** 

Project No.

Proposal of:						
	(Name of Bidder)					
Located at:						
	(Address)	(Telep	hone include area code)			
Amount of	Specified completion date	Approx. or Specified Starting Date	Liquidated Damages			
Proposal Guarantee	or Number of Working Days	or Number of Working Days	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 lowa 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 lowa 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 lowa, 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)
 (Email Address)

By signing and submitting the proposal, the bidder:

 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

PROPOSAL

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

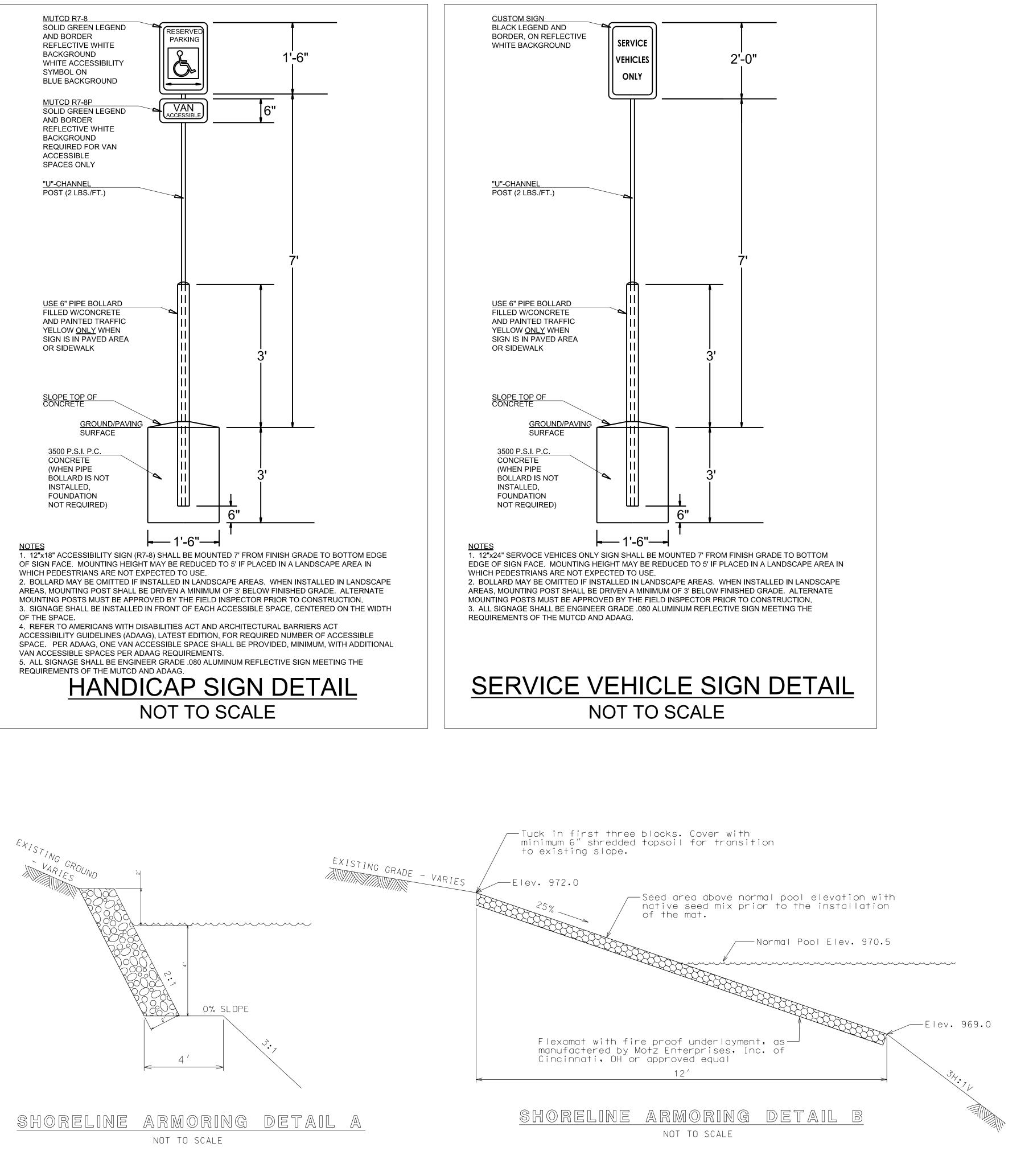
# THE "UNIT PRICE" AND "AMOUNT" COLUMNS MUST BE FILLED IN FOR THIS PROPOSAL TO BE CONSIDERED COMPLETE. IF THERE IS A DISCREPANCY BETWEEN UNIT BID PRICES, EXTENSIONS, OR TOTAL AMOUNTS OF BID, THE UNIT PRICES SHALL GOVERN.

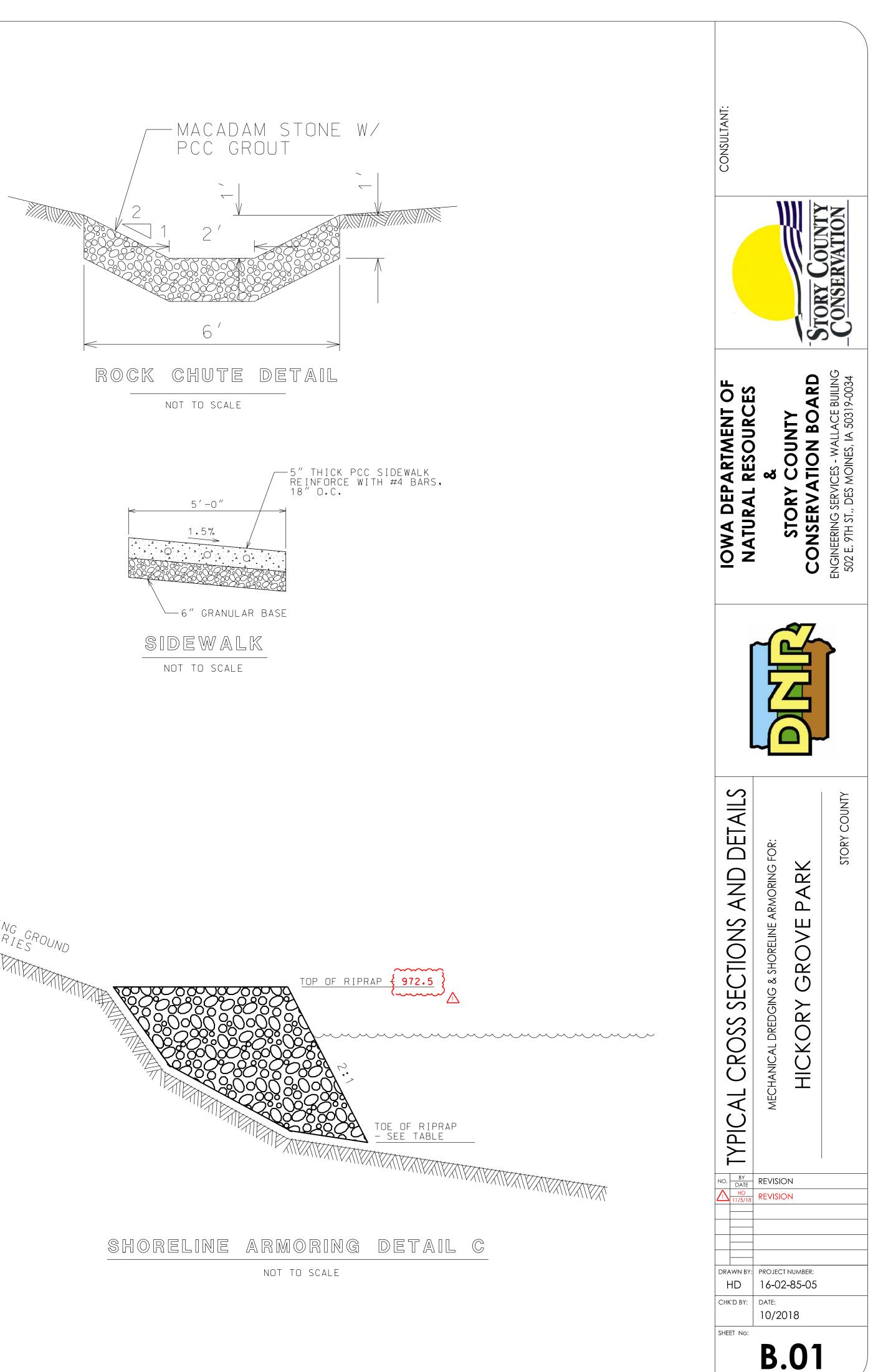
Item No.	Description	Estimated	Quantity	Unit Price	Amount
1	24" Dia CMP	418	Lin. Ft.		
2	3/8" Minus Crushed Stone	6	Tons		
3	30" Dia. CMP	45	Lin. Ft.		
4	36" Dia. CMP	76	Lin. Ft.		
5	5" PCC	84	SY		
6	6" PCC	4530	SY		
7	8" Dia. CMP	53	Lin. Ft.		
8	942 Draw Down	2	Each		
9	Class 10 Excavation (Embankment)	73,279	СҮ		
10	Class 10 Excavation (Waste)	22,586	СҮ		
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	СҮ		
18	Concrete Testing	1	Lump Sum		

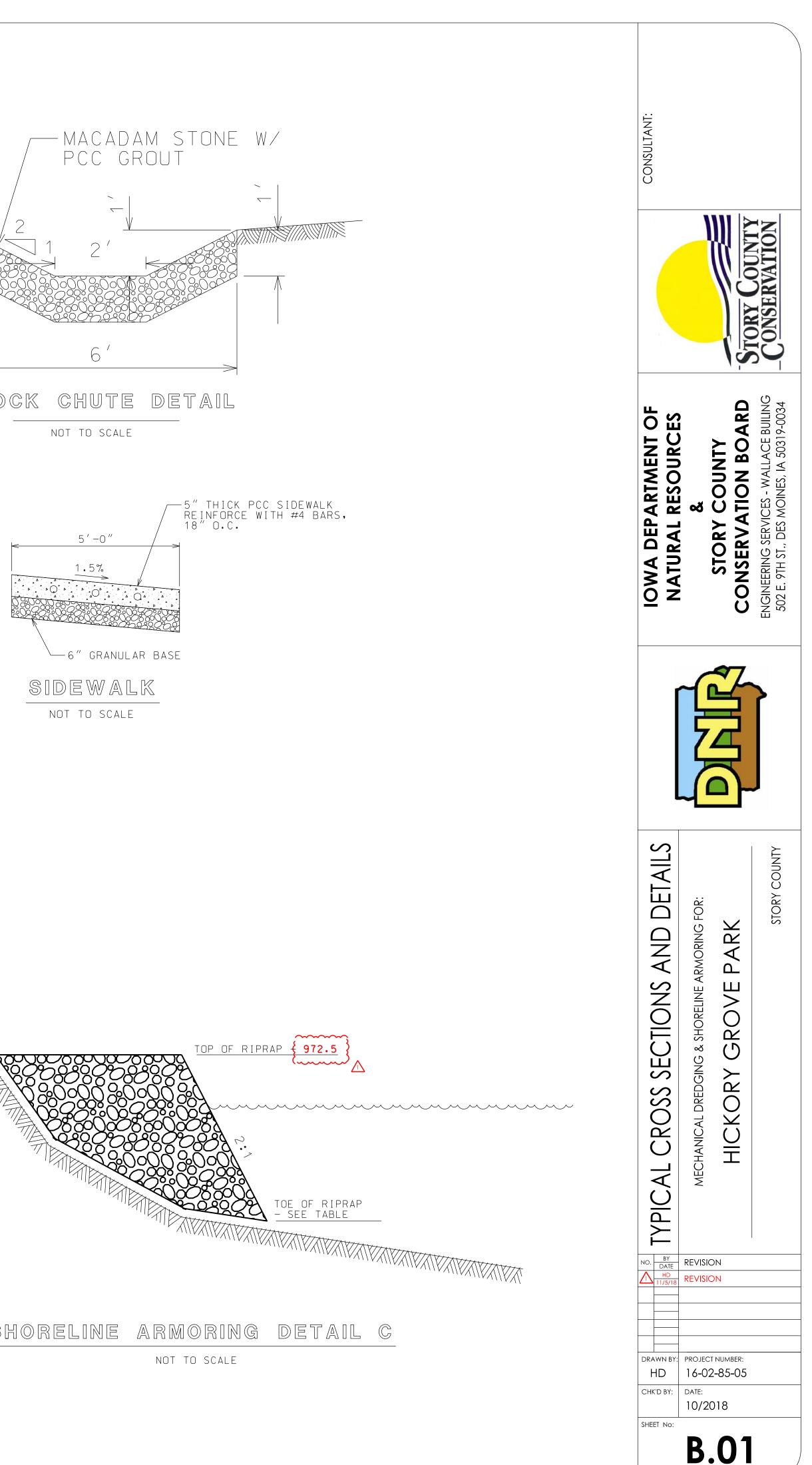
19	Construction Staking	1	Lump Sum	
			Lump	
20	Dewatering	1	Sum	
21	Dock Abutment	4	Each	
22	Engineering Fabric	1,900	SY	
23	Flexamat	962	Lin. Ft.	
24	Handicap Signs	5	Each	
25	In-Lake Access	1	Lump Sum	
26	M&D Testing	1	Lump Sum	
		•	Lump	
27	Mobilization	1	Sum	
28	Mulch Sock	7,116	Lin. Ft.	
29	Parking 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 Lump	
41	Swale w/ Intake and Tile	1	Sum Lump	
42	Traffic Control	1	Sum	
43	Woody Debris Removal	1	Lump Sum	
	-	Base Bid	Subtotal	

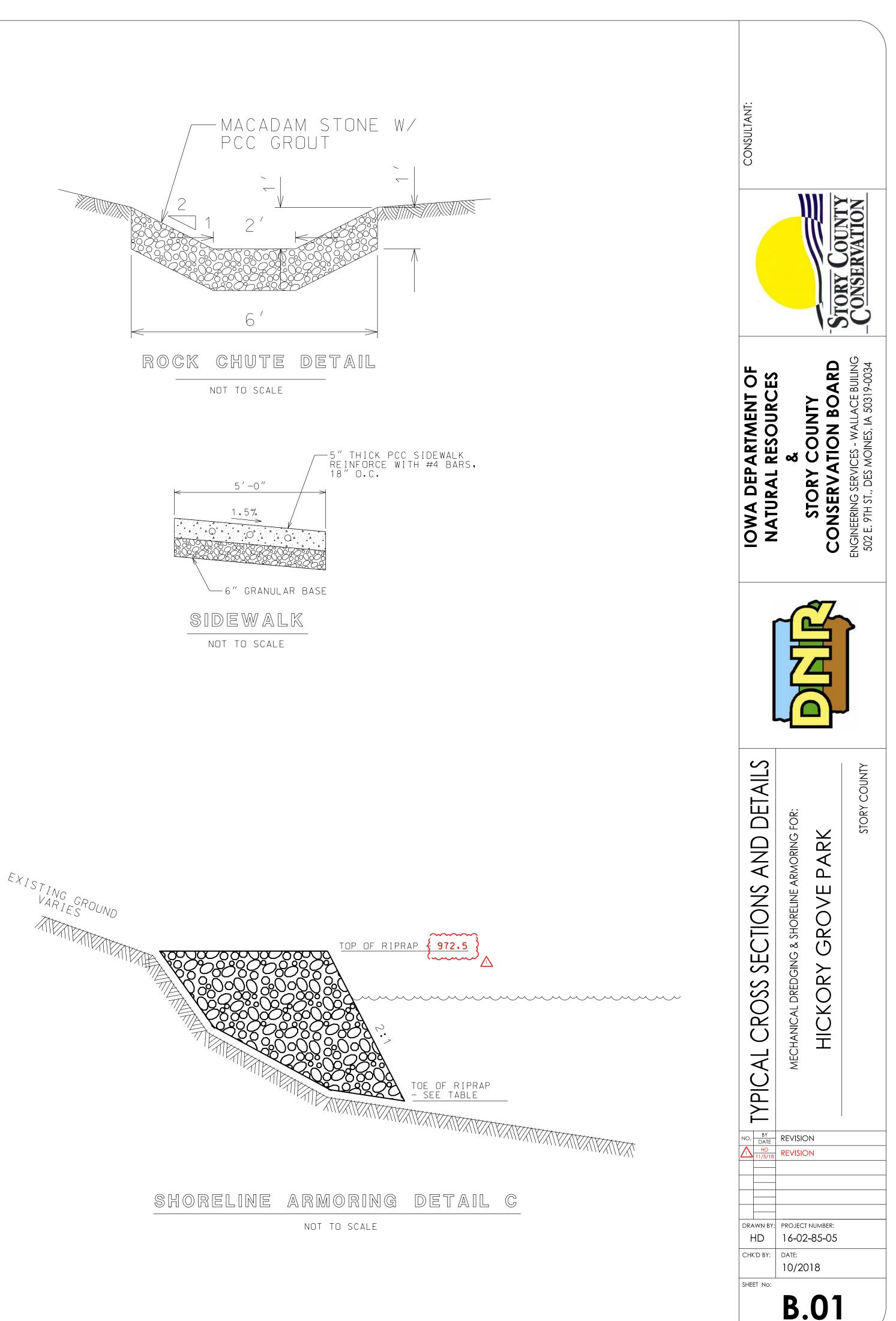
	Alternate 1				
44	Class 10 Excavation (Waste)	42,382	СҮ		
		Alternate 1	Subtotal		
	Alternate 2				
45	Class 10 Excavation (Waste)	11,215	СҮ		
		Alternate 2	Subtotal		
	Alternate 3				
46	Class A Crushed Stone	362	Tons		
47	24" Dia CMP	40	Lin. Ft.		
48	Class D Revetment	15	Tons		
49	Engineering Fabric	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	List of Subcontractors
(Number and Date)	(Attach additional pages, if necessary)
Addendum #1 – 10/31/2018	
Addendum #2 – 11/6/2018	









Description	Quantity	Unit
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
	53	Lin. Ft.
8 942 Draw Down	2	Each
9 Class 10 Excavation (Embankment)	73279	CY
10 Class 10 Excavation (Waste)	22586	S CY
11 Class A Crushed Stone	<u></u>	<b>T</b> ons
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	13688.6	Tons
16 Clearing and Grubbing	3.38	Acres
17 Compaction with Moisture and Density Control	29109	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	1900	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	7116	Lin. Ft.
29 Parking Bumpers	10	Each
30 Pavement Removal	1946	SY
31 Pavement Striping	1584	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	15.0	Each
38 Site Restoration	 1	Lump Sum
39 Special Backfill	1796	Tons
40 Structural Concrete		SY
	788	
41 Swale w/ Intake and Tile	⊥ 1	Lump Sum
42 Traffic Control	1	Lump Sum
43 Woody Debris Removal	1	Lump Sum
Alternate 1	40000	
44 Class 10 Excavation (Waste)	42382	CY
Alternate 2		
45 Class 10 Excavation (Waste)	11215	CY
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

### 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.

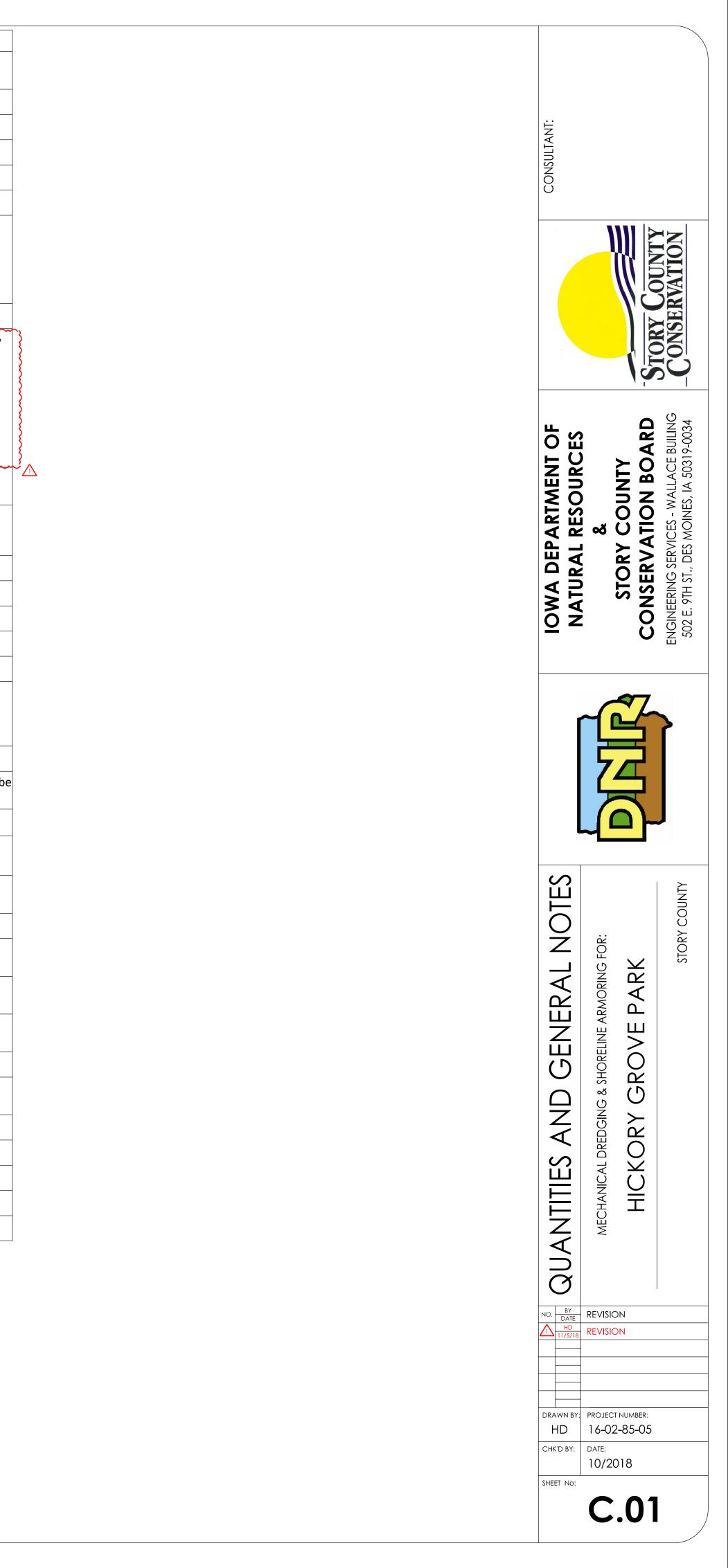
The contractor shall not disturb desirable grass areas and desirable trees outside the construction limits. The contractor will not be permitted to park or service vehicles and equipment or use these areas for storage of materials. Storage, parking and service areas will be subject to the approval of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

ESTI	MAT	E REFERENCE INFORMATION
ITEN NO.	1	DESCRIPTION
1	A.	Payment for this bid item includes all material and labor to connect to an existing pipe, if necessary.
2	Α.	Material shall conform to gradation 21 and specification section 4125.
3	Α.	Payment for this bid item includes all material and labor to connect to an existing pipe, if necessary.
4	Α.	Payment for this bid item includes all material and labor to connect to an existing pipe, if necessary.
5	Α.	Control joints shall be incidental to this bid item and shall be spaced as directed by the DNR Engineer.
6		Control joint sawing, sealing, and center-steel is incidental to this bid item. Contractor shall submit joint plan to DNR Engineer for review and approval. Joint Plan shall conform to Iowa Department of Transportation standards. Joint construction shall follow the Iowa Department of Transportation Standard Road Plan PC-101. Joint spacing shall be approximately 12' O.C., and not exceeding 15'. The centerline joint along the driving lanes shall be centered in the lane, and shall be an "L" joint. Sidewalk cold joints shall meet detail "F". All other cold koints shall be a "KT" joint. 2' (min.) blockouts are required at acute angles.
7	A.	Payment for this bid item includes all material and labor to connect to an existing pipe.
8	B. C. D. E.	<ul> <li>Payment for this item consists of drawing the lake down to elevation 942 on a date determined by the contractor, within the window designated herein. The purpose of the draw down is to allow DNR fishery biologists the opportunity to manage rough fish. The contractor shall provide a two-week notice prior to the draw down. Continued dewatering pumping may resume no sooner than four weeks after 942 pool is achieved.</li> <li>This line item is for "2 each". The window for the first draw down is between ice-out of 2019 and 5/1/2019. The window for the second draw down is between 9/15/2019 and 11/30/2019.</li> <li>The initial draw down rate is limited to one foot per day, to prevent sloughing.</li> <li>Intake depth shall be no more than 5' below water surface.</li> <li>A trash screen shall be used on the inlet with openings no larger than 3".</li> <li>The lake shall not be pumped lower than 942.</li> </ul>
9 10	Β.	30% has been added to this bid item to account for shrinkage. Topsoil to be stripped and stockpiled and respread to a minimum depth of 4". No shrink has been added to this bid item.
		It is expected that the material used for the earth core of the proposed habitat linear mound and salvaged rock mounds will be constructed from this material.
11	A.	Material shall conform to gradations 12a, 12b, 14, 30, or 31, and their respective specification sections.
13	A.	Story County Conservation shall purchase this material. The contractor shall be responsible for hauling and placement.
14	-	Material for this bid item shall be sourced from the existing shoreline that is immediately adjacent to the proposed mound locations.
17		Per section 2107
19		An three dimensional DGN file with design information will be provided to the contractor upon execution of the contract.
20	B. C.	Payment for this bid item includes all necessary expenses to adequately dewater the construction site. The initial draw down rate is limited to one foot per day, to prevent sloughing. Intake depth shall be no less than 5' below water surface. A trash screen shall be used on the inlet with openings no larger than 3".
23	A.	Payment for this bid item includes all necessary materials and labor to construct the Shoreline Armoring Detail B.
26	A.	Contractor shall hire an independant geotechnical firm to conduct Moisture and Density testing during construction. All testing shall l conducted under the supervision of an engineer licensed by the State of Iowa.
28	A.	Mulch filter socks shall be 8" diameter.
29		Parking Bumpers shall be constructed of steel reinforced concrete, and anchored into pavement with epoxy coated #4 rebar or ½" dowels, 18-inch length.
30	В.	Existing HMA pavement is assumed to be 4" thick. Asphalt millings meeting gradation 10 may be spread on existing granular surfaced parking areas, as allowed by the engineer.
31		Pavement striping shall be yellow.
33		Story County Conservation shall purchase this material. The contractor shall be responsible for hauling and placement. Material shall consist of pea gravel (river rock) meeting gradation 29.
35		All disturbed areas, with the exceptions of the Primary Spoil Site and the Secondary Spoil Site shall by hydro seeded and hydro mulched with the Native Grass seed mix.
36		Disturbed areas within the Primary Spoil Site and the Secondary Spoil Site shall be hydroseeded and hydro mulched with the Rural Stabilizing Crop.
39		Material shall conform to gradations 14, 30, or 31, and their respective specification sections.
42		Traffic control shall consist of class III barricades at the entrance to the boat ramp, on the road at the west end of the spoil sites, and truck traffic signs along the county highways near active haul routes.
46		This bid item will be accepted if Alternate 1 is accepted, Alternate 2 is accepted, or both.
47	-	This bid item will be accepted if Alternate 1 is accepted, Alternate 2 is accepted, or both.
48		This bid item will be accepted if Alternate 1 is accepted, Alternate 2 is accepted, or both.
49		This bid item will be accepted if Alternate 1 is accepted, Alternate 2 is accepted, or both.
50	Α.	This bid item will be accepted if Alternate 1 is accepted, Alternate 2 is accepted, or both.





Proposed Trail -

## Haul Route -

0 200 FEET				Sediment Rer Dredge Area	
	Location	Cut (CY)	Fill (CY) (30% Shrink)	M&D Compaction (CY) (No Shrink)	}
	Main Boat Ramp	58,612	38,364	26,340	}
Suitable Fill Material	Shop Shoreline	21,010	12,518	-	}
	Trail	-	18,797	-	{
	Southeast Boat Ramp	-	3,600	2,769	}
	Subtotal	79,622	73,279	29,109	}
					{
	Dredge Area 1	5,135	-	-	{
	Dredge Area 2	4,933	-	-	{
	Dredge Area 3	4,562	-	-	{
Unsuitable Fill Material	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 -	Primary Spoil Site	-	85,661	-	}
Assuming no shrink	Secondary Spoil Site	-	69,881	-	{
	Subtotal	0	155,542	0	{
					}
	Total	149,462	228,821	29,109	}_



250th Street

Main Boat Ramp

Sediment Removal — Dredge Area 1

Spoil Location –

Rout

- Spoil Location

Haul Route

A. Rati

Sediment Removal Dredge Area 2

Linear Mound

255th street

Haul Route -Southeast Boat Ramp

Sediment Removal Dredge Area 4

