



BURLEIGH COUNTY WATER RESOURCE DISTRICT AGENDA
Wednesday, June 14th, 2023 at 8:00 am
Tom Baker Room, 221 N. 5th Street Bismarck

8:00 a.m. – Call to Order

- Roll Call (Reep, Landenberger, Palm, Smith, Binegar):
- **Approval of 05/10/2023 Minutes:3-5**
- **Amendments and Approval of Agenda:**
- Comments from Members of the Public: (For Items Not on the agenda):
- McDowell Dam (Binegar/Landenberger):
 - Facility Update
 - Supplemental Water Supply
 - Alternative intake site update
 - Landowner/BCHD (old Hwy #10) Easements
 - Survey Authorization with landowner concurrence
 - McDowell Dam Inspection
 - Intake structure – NRCS Response (email)
 - Auxiliary Spillway Inlet Erosion (2024)
- Financial Reports (Reep):
 - **Balance Sheet 05/31/20236-7**
 - **P&L 05/31/2023.....8-9**
- Drainage Permits/Complaints/Issues: *Open (Palm)*:
 - 6460 80th St NE – Iverson (Pending)
 - 6260 80th St NE – Fettig (Pending)
- Drainage Permits/Complaints/Issues: *Closed (Palm)*:
- Projects:
 - Sibley Island (Gunsch\Reep):
 - Preliminary Engineering Report – (Delayed pending Alternative #5)
 - Alternative #5 – Update and Easement Discussion
 - Economic Assessment – DWR (update market valuations – Feb 2023)
 - Landowner Levee Alignment - Email (Response)
 - Binnum Cost Share Reimbursement Request – June 30, 2023
 - Public Comments
 - Hoge Island Stabilization (Binegar):
 - Landowner – Petition of Interest (Received)
 - **Preliminary Engineering Report (Draft - OPC) 10-27**
 - **Resolution #2 – Special Assessment District 28-35**
 - **Permit Application (USACE/DWR) - Individual Permit (120-day review timeline)**
 - **Opinion of Probable Cost Submittal Letter to DWR – Deadline June 26, 2023**
 - **Public Informational Meeting – Draft Letter (Schedule Pending)**
 - **Public Hearing – Draft Letter (Schedule Pending)**

- Other Old Business:
 - Burleigh County WRD Assessment District Projects
 - Highway Dept O&M Agreements (draft updates to BCHD-Pending)
 - Annual project inspections – September 2023
 - Policy Manual (No Update)
 - Email response to Shane Carroll – Moffit (structure on 119th Street on Apple Creek)

- New Business
 - 2024 Budget
 - Submitted to Auditor on June 9, 202336-41
 - June 19, 2023 – budget committee meeting (1:00PM)
 - July 19-20, 2023 Budget Hearings
 - 149th Ave Outfall Damage O&M Expense (BCHD Email – cost projection) 42
 - Change August Meeting Date, possibly August 16th: 43
 - ND WRD Summer Meeting.....44-46
 - NWRA 2023 Western Water Resources Seminar, Medora – August 1-447-49
 - Bismarck/Burleigh County Floodplain Ordinance Stakeholder Report

- Correspondence or Document Information:
 - Plats & SWMP's – Not included due to size...Available on request.

- **Approval of Bills (\$17,930.67) 50**
- Detailed Bills51-67
- Next Meeting: July 12, 2023, 8:00 AM, Tom Baker Room
- Adjourn

Note: Bold Items Require Board Action

BCWRD Meeting Minutes
 May 10, 2023
 Draft – not approved yet.

Agenda Items	Discussion	Board Action	Responsible Party(s)	Due Date
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Present: James Landenberger; Dennis Reep; Randy Binegar; Cory Palm; Jerry Woodcox, Burleigh County Commissioner; Michael Gunsch and Travis Johnson, Houston Engineering; Dave Bliss, Bliss Law Firm, and Wendy Egli, Fronteer Professional Services
Others Present: Dave Robinson and Dave Mayer (Bismarck Parks & Rec); Casey Einrem (Burleigh County Highway Department); Steve Ilse; Mitch Flanagin; Steve Leibel; Nat Strutz; Brad & Julie Fettig; Tom & Kim Fettig

Chairman Landenberger called the meeting to order at 8:00 am. Roll call was taken and a quorum was declared.

	Discussion	Action Taken	Responsible Party(s)	Due Date
Approval of 04/12/2023 Minutes	First item under legislative updates – only one other member other than Mgr. Reep is needed for the budget committee – not two.	Mgr. Reep motions to approve 04/12/2023 minutes as amended; Mgr. Binegar second. Carried by unanimous voice vote		
Amendments and Approval of Agenda	Add Country North Estates Complaint Add Fettig Complaint	Mgr. Palm motions to approve agenda as amended, Mgr. Reep seconds. Carried by unanimous voice vote.		
Comments from Members of the Pubic	None noted.			
McDowell Dam				
Facility Update	James, Randy, and Dave are working on a capital improvement plan.			
NRCS Inspection	A few items need to be clarified. Travis with Houston will be contacting NRCS.			
ADA Access Audit	Dave handed out the results of the access audit. We have a few years to complete all items, some are simple and will be done by staff, some will be done over time.			
Supplemental Water Supply Alternative intake site update	There is a site currently for sale that may be partially purchased for this purpose. Mr. Gunsch asked for concurrent to go ahead with surveying this property.	Board Concurred		
Financial Reports				
Balance Sheet	None noted.	Mgr. Reep motion to approve balance sheet; Mgr. Palm second. Carried by unanimous roll call vote.		

Agenda Items	Discussion	Board Action	Responsible Party(s)	Due Date
Profit & Loss	None Noted	Mgr. Reep motion to approve profit & loss; Mgr. Palm second. Carried by unanimous roll call vote.		
Drainage Permits/Complaints/ Issues: Open	2500 Rock Creek Drive – currently all water has drained now that the snow is gone. Still no formal complaint	Consensus to dismiss since no formal complaint		
	Country North Estates – Discussion was had on this letter received. It was determined that it is no a water issue, more an EPA issue. Mitch will look into it to see if it is in his jurisdiction. Board can not take action without a formal signed complaint.			
	6460 80 th St NE – Iverson Complaint – First step is to determine if there is a waterway. Houston Engineering and Bliss Law are looking into this.	Mgr. Palm makes motion to task Houston Engineering with evaluating the site and determining if there is a watercourse and an obstruction. Mgr. Binegar 2nds. Motion carried by unanimous roll call vote.		
	6260 80 th St NE – Fetting Counter-Complaint – Water quality is declining due to manure and dirt flows flowing into the waterway. Discussion was had again about the board not having jurisdiction over water quality.	Motion was amended to add this complaint into above.		
Drainage Permits/Complaints/ Issues: Closed	None			
Projects				
Sibley Island				
Preliminary Engineering Report	There has been some interaction with landowners. 3 property owners currently do not want to be included in the assessment district. A letter will be drafted to these homeowners. This may result in a decrease in costs.			
Public Comments	Steve Isles asked whether another meeting will be held. Mr. Gunsch says the voting letter will have assessment amounts included on it.			
Other Old Business				
Highway Dept O&M Agreements	A final review needs to be scheduled. Annual inspections are due, Travis and Casey will be working on those.			
Policy Manual	No Updates			

Agenda Items	Discussion	Board Action	Responsible Party(s)	Due Date
Hoge Island Update	<p>There was a meeting held with DWR. The Corps needs to have input and we are awaiting direction from them still. The survey is completed and Houston is working on the design. There is a very tight timeline. Resolution is presented to create a special assessment district.</p> <p>Discussion was had about at least 1 homeowner not wanting to be included in the special assessment district and the possibility of that project being approved on its own and how that may cause difficulties in both the permitting process and the final project.</p>	Mgr. Palm made a motion to approve resolution #1 to create a special assessment district. Mgr. Binegar 2nds. Roll vote is held and motion is passed unanimously.		
New Business				
Legislative Update				
	Minutes will need to posted to our website within 10 days of the meeting.			
	SB 2372 passed. This states that all Boards in major basins are required to be an active member of a joint board. This would also require a portion of the mill levy to go to that board.			
2024 Budget	Dennis, James, and Commissioner Woodcox will meet with Wendy. Budget will need to include McDowell Dam CIP. Houston will start looking at upcoming costs from a project perspective for consideration also.			
149th Ave Outfall Damage	Approximately 22,000-25,000 to repair. This is maintenance. There is a question on who is responsible to pay for the maintenance. Easement is owned by the public. It is off highway, so the highway dept does not have authority. Tabled until next month.			
August Meeting	Look at changing date to August 8 th .			
Approval of Bills	Bills were presented totaling \$69,634.56	Mgr. Reep motions to approve payment of bills. Mr. Palm 2nd. Motion passed via unanimous roll call vote.		
Next Meeting	The next meeting date is June 14, 2023 at 8:00 AM in the Tom Baker Room.			

With no further business the meeting adjourned at 10:00 a.m.

Wendy Egli, BCWRD Admin. Secretary

Burleigh County Water Resource District (BCWRD)

Balance Sheet

06/09/23

As of May 31, 2023

Accrual Basis

	May 31, 23
ASSETS	
Current Assets	
Checking/Savings	
Bravera Bank Center Checking	
General Funds	2,112,452.46
O & M Funds	
Brookfield O&M	-3,415.37
Burnt Creek O&M	98,818.43
Country Creek 3rd O&M	-1,240.68
Fox Island O&M	10,899.75
Total O & M Funds	105,062.13
Special Assessment Districts	
Apple Valley Special Assessment	13,259.37
Fox Island Special Assessment	155,474.19
MRCC Special Assessment	120,844.36
Total Special Assessment Districts	289,577.92
Total Bravera Bank Center Checking	2,507,092.51
Designated Reserve Funds	
Aero Club Rent	13.00
Apple Valley	19,000.00
Apple Valley Spec. Assessment	12,626.81
Brookfield Estates	2,377.34
Burnt Creek	115,000.00
Emergency Fund	265,037.13
Hay Creek Watershed	100,000.00
McDowell Dam (Buffer Zone)	80,000.00
McDowell Dam Capital Improvemen	60,000.00
McDowell Dam Fresh Water Intake	410,000.00
McDowell Rent	10,609.00
Missouri River Bank Stabilizati	124,906.33
Sibley Island	500,000.00
Designated Reserve Funds - Other	589.52
Total Designated Reserve Funds	1,700,159.13
Total Checking/Savings	4,207,251.64
Other Current Assets	
11010 · Taxes Receivable	492.18
Total Other Current Assets	492.18
Total Current Assets	4,207,743.82
Fixed Assets	
15005 · Land	112,481.50
15010 · Infrastructure	6,679,991.93
15015 · Land Improvements	1,810,033.62
15020 · Buildings	187,659.68
15025 · Office Furniture & Equipment	162,206.58
15051 · Acc Depr - Infrastructure	-230,788.13
15052 · Acc Depr - Land Improvements	-989,289.34
15053 · Acc Depr - Building	-151,017.71
15054 · Acc Depr - Office Furn & Equip	-114,986.82
Total Fixed Assets	7,466,291.31
TOTAL ASSETS	11,674,035.13
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
20000 · Accounts Payable	17,930.67
Total Accounts Payable	17,930.67

Burleigh County Water Resource District (BCWRD)

06/09/23

Balance Sheet

Accrual Basis

As of May 31, 2023

	May 31, 23
Other Current Liabilities	
24000 · Payroll Liabilities	1,014.58
Total Other Current Liabilities	1,014.58
Total Current Liabilities	18,945.25
Long Term Liabilities	
23200 · Rehab Apple Valley Waste Water	140,000.00
237 · Burnt Creek Floodway	250,000.00
23800 · Missouri River Correctional Cen	260,000.00
23900 · Fox Island Improvement	1,210,000.00
25000 · Bond Discount	-26,477.50
Total Long Term Liabilities	1,833,522.50
Total Liabilities	1,852,467.75
Equity	
32000 · Retained Earnings	9,014,347.76
Net Income	807,219.62
Total Equity	9,821,567.38
TOTAL LIABILITIES & EQUITY	11,674,035.13

Burleigh County Water Resource District (BCWRD)
Profit & Loss by Class
January 1 through June 9, 2023

	TOTAL	- General	Apple Valley	Brookfield Est.	Burnt Creek Floodway	Country Ridge/Creek	Fox Island	Hoge Island	McDowell Dam	Missouri River Gen.	MRCC	Sibley Island	TOTAL
Income													
31110 - Real Estate Tax	851,621.84	851,621.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	851,621.84
31810 - In Lieu of Tax	444.86	444.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	444.86
36110 - Interest	141.83	141.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	141.83
36210 - McDowell Dam Recreation Income	285.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00	285.00
43610 - State Aid Distribution	14,428.98	14,428.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14,428.98
43810 - Reimbursements	194,386.56	1,140.52	11,169.01	0.00	27,947.24	0.00	124,314.62	0.00	5,904.80	0.00	23,910.37	0.00	194,386.56
Total Income	1,061,309.07	867,778.03	11,169.01	0.00	27,947.24	0.00	124,314.62	0.00	6,189.80	0.00	23,910.37	0.00	1,061,309.07
Gross Profit	1,061,309.07	867,778.03	11,169.01	0.00	27,947.24	0.00	124,314.62	0.00	6,189.80	0.00	23,910.37	0.00	1,061,309.07
Expense													
111 - Payroll Expenses													
111A - Payroll Taxes	1,009.55	1,009.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,009.55
111 - Payroll Expenses - Other	13,081.20	13,081.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13,081.20
Total 111 - Payroll Expenses	14,090.75	14,090.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14,090.75
113 - Accounting & Contract Services	11,136.25	11,136.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11,136.25
312 - Legal Fees	8,017.90	8,017.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8,017.90
315 - Engineering Administration	7,633.75	7,281.25	0.00	0.00	0.00	352.50	0.00	0.00	0.00	0.00	0.00	0.00	7,633.75
376 - Dues & Publications	1,400.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,400.00
411 - Office Expense	1,120.05	1,120.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,120.05
50913 - Interest Expense	17,177.50	1,750.00	0.00	0.00	3,600.00	0.00	8,265.00	0.00	0.00	0.00	3,562.50	0.00	17,177.50
904 - McDowell Dam	58,111.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	58,111.08	0.00	0.00	0.00	58,111.08
905 - McDowell Dam-Capital Improvemen	48,509.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48,509.25	0.00	0.00	0.00	48,509.25
910 - Projects													
Administration	2,290.00	350.00	0.00	0.00	605.00	0.00	730.00	0.00	0.00	0.00	605.00	0.00	2,290.00
Legal Fees	6,328.80	498.10	0.00	0.00	0.00	0.00	0.00	2,051.00	0.00	468.80	0.00	3,310.90	6,328.80
O&M	1,595.37	1,595.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,595.37
910 - Projects - Other	296.95	179.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	117.20	296.95
Total 910 - Projects	10,511.12	2,623.22	0.00	0.00	605.00	0.00	730.00	2,051.00	0.00	468.80	605.00	3,428.10	10,511.12
937 - Design/Special Assessment	67,225.25	98.00	0.00	0.00	0.00	0.00	98.00	0.00	0.00	36,477.50	0.00	30,551.75	67,225.25
940 - Operations & Maintenances													
940A - Burnt Creek Watershed	1,046.25	0.00	0.00	0.00	1,046.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,046.25
940 - Operations & Maintenances - Other	3,375.00	0.00	0.00	1,820.00	1,555.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,375.00
Total 940 - Operations & Maintenances	4,421.25	0.00	0.00	1,820.00	2,601.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,421.25
960 - Drainage Complaints	4,735.30	4,735.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,735.30
Total Expense	254,089.45	52,252.72	0.00	1,820.00	6,806.25	352.50	9,093.00	2,051.00	106,620.33	36,946.30	4,167.50	33,979.85	254,089.45
Net Income	807,219.62	815,525.31	11,169.01	-1,820.00	21,140.99	-352.50	115,221.62	-2,051.00	-100,430.53	-36,946.30	19,742.87	-33,979.85	807,219.62

Burleigh County Water Resource District (BCWRD)

Profit & Loss Budget vs. Actual

January through May 2023

	Jan - May 23	Budget	\$ Over Budget	% of Budget
Income				
31110 · Real Estate Tax	851,621.84	1,014,125.00	-162,503.16	84.0%
31810 · In Lieu of Tax	444.86	1,000.00	-555.14	44.5%
33620 · Homestead Credit	0.00	6,000.00	-6,000.00	0.0%
36110 · Interest	141.83	200.00	-58.17	70.9%
36210 · McDowell Dam Recreation Income	285.00	26,500.00	-26,215.00	1.1%
36215 · McDowell Dam Land Lease	0.00	3,200.00	-3,200.00	0.0%
43610 · State Aid Distribution	14,428.98	36,000.00	-21,571.02	40.1%
43810 · Reimbursements	194,386.56			
46910 · Misc Revenue	0.00	500.00	-500.00	0.0%
Total Income	1,061,309.07	1,087,525.00	-26,215.93	97.6%
Gross Profit	1,061,309.07	1,087,525.00	-26,215.93	97.6%
Expense				
111 · Payroll Expenses				
111A · Payroll Taxes	1,009.55	3,000.00	-1,990.45	33.7%
111 · Payroll Expenses - Other	13,081.20	30,000.00	-16,918.80	43.6%
Total 111 · Payroll Expenses	14,090.75	33,000.00	-18,909.25	42.7%
113 · Accounting & Contract Services	11,136.25	32,000.00	-20,863.75	34.8%
114 · Audit	0.00	11,000.00	-11,000.00	0.0%
312 · Legal Fees	8,017.90	24,000.00	-15,982.10	33.4%
315 · Engineering Administration	7,633.75	24,000.00	-16,366.25	31.8%
328 · Liability Insurance	0.00	5,000.00	-5,000.00	0.0%
341 · Travel	0.00	2,000.00	-2,000.00	0.0%
376 · Dues & Publications	1,400.00	5,000.00	-3,600.00	28.0%
411 · Office Expense	1,120.05	3,000.00	-1,879.95	37.3%
50913 · Interest Expense	17,177.50			
904 · McDowell Dam	58,111.08	300,000.00	-241,888.92	19.4%
905 · McDowell Dam-Capital Improvemen				
905-A · Fresh Water Intake	0.00	22,525.00	-22,525.00	0.0%
905 · McDowell Dam-Capital Improvemen - Other	48,509.25	20,000.00	28,509.25	242.5%
Total 905 · McDowell Dam-Capital Improvemen	48,509.25	42,525.00	5,984.25	114.1%
910 · Projects				
Administration	2,290.00			
Legal Fees	6,328.80			
O&M	1,595.37			
910 · Projects - Other	296.95	320,000.00	-319,703.05	0.1%
Total 910 · Projects	10,511.12	320,000.00	-309,488.88	3.3%
911 · Misc	0.00	2,500.00	-2,500.00	0.0%
920 · Continuing Education	0.00	2,500.00	-2,500.00	0.0%
933 · Missouri River General Services	0.00	15,000.00	-15,000.00	0.0%
937 · Design/Special Assessment	67,225.25	200,000.00	-132,774.75	33.6%
940 · Operations & Maintenances				
940A · Burnt Creek Watershed	1,046.25			
940 · Operations & Maintenances - Other	3,375.00	20,000.00	-16,625.00	16.9%
Total 940 · Operations & Maintenances	4,421.25	20,000.00	-15,578.75	22.1%
941 · Stream Gages	0.00	6,000.00	-6,000.00	0.0%
960 · Drainage Complaints	4,735.30	20,000.00	-15,264.70	23.7%
970 · Storm Water Management Plans	0.00	20,000.00	-20,000.00	0.0%
Total Expense	254,089.45	1,087,525.00	-833,435.55	23.4%
Net Income	807,219.62	0.00	807,219.62	100.0%

Hogue Island Bank Stabilization
Opinion of Probable Cost
Special Assessment and DWR/BCWRD Distribution
June 7, 2023

Parcel No.	Lot No	Parcel Owner	Topsoil	Seeding	Riprap	Geotex.	Cost/Property	% of Assessment	Cost w/Eng-Admin-Legal
23-140-81-50-10-030	2	Richard Beierle	\$429.00	\$145.36	\$3,850.00	\$66.00	\$4,490.36	0.77%	\$6,061.99
	2	Structure 2	\$66.09	\$66.00	\$22,000.00	\$0.00	\$22,132.09		\$29,878.32
23-140-81-50-10-040	3	Sherri & Scott Neis	\$1,269.03	\$629.27	\$85,800.00	\$1,448.70	\$89,147.01	15.29%	\$120,348.46
23-140-81-50-10-050	4	John & Alice Homelvig	\$1,056.37	\$523.82	\$71,390.00	\$1,204.50	\$74,174.68	12.72%	\$100,135.82
23-140-81-50-10-060	5	Andrew Carlson & Chloe Coleman	\$1,171.04	\$580.68	\$79,200.00	\$1,336.50	\$82,288.22	14.11%	\$111,089.10
23-140-81-50-10-070	6	Nathaniel Strutz	\$1,052.88	\$522.09	\$99,660.00	\$1,683.00	\$102,917.97	17.65%	\$138,939.27
	6	Structure 3	\$421.94	\$209.23	\$199,043.90	\$0.00	\$199,675.07		\$269,561.34
23-140-81-50-10-080	7	William & Marilyn Strutz	\$1,298.18	\$643.73	\$109,340.00	\$1,844.70	\$113,126.61	19.40%	\$152,720.92
	7	Structure 4	\$319.37	\$158.36	\$149,985.00	\$0.00	\$150,462.73		\$203,124.69
23-140-81-50-10-090	8	Beverly Brierly	\$866.71	\$429.77	\$58,630.00	\$990.00	\$60,916.48	10.44%	\$82,237.25
23-140-81-50-10-100	9	Laura Beyer	\$527.36	\$261.50	\$54,450.00	\$920.70	\$56,159.56	9.63%	\$75,815.40
	9	Structure 5	\$278.39	\$138.05	\$31,618.40	\$0.00	\$32,034.84		\$43,247.03
Subtotal/Bid Item:			\$8,756.37	\$4,307.86	\$964,967.30	\$9,494.10			\$1,333,159.60
Total:							\$987,525.63		

Construction Only:					
Residential Stabilization	\$583,220.90	59.06%	Design/Permitting	15%	\$148,128.84
Section 32 Revetments	\$404,304.73	40.94%	Admin/Legal	10%	\$98,752.56
			Bidding/CMS	10%	\$98,752.56
			Total:		\$1,333,159.60

Total Opinion of Probable Cost

Residential Stabilization		\$787,348.22
Section 32 Revetments		\$545,811.38

SWC Share 50%	\$272,905.69
BCWRD 50%	\$272,905.69

Appendix A - Regulatory Considerations

Hogue Island Bank Stabilization

Special Assessment District

The following is a summary of the regulatory considerations as it relates to the permitting of the restoration/rehabilitation of the Section 32 Demonstration Project (i.e., hardpoints) and the previously existing residential bank stabilization.

1. The USACE Section 32 Demonstration project areas include not only specific revetments, but all properties located along the designated/protected river reach. Subsequently, the residential segments between the hardpoints are considered “project lands”. The access easement provided by the Burleigh County Water Resource District (BCWRD) included the entire bank line along with a larger inland area. This easement was narrowed, however, to 100 feet from the top of bank to allow rural residential development. Unfortunately, this easement line was not included on the plat documents, which has created issues over the years and undesirable encroachments that influence access.
2. The USACE anticipated erosion between these hardpoints would occur, which was a design consideration and part of their original environmental review. Understand at the time there were no residential properties in this area, nor were any anticipated, so the demonstration project revetments were not designed nor intended to protect such property. The design erosion has now occurred or been exceeded (i.e., hardpoint failure); therefore, stabilization of the bank line is no longer an issue regarding river sediments within the permitting process.
3. Most of the residential stabilization previously installed in this reach was neither authorized or permitted, via the USACE, Sovereign Land, or within the BCWRD’s easement. In some instances, there are direct violations with construction occurring within the easements, creating potential title issues for these properties. The new bank erosion has complicated this by placing more structures within the access easements, as the landward boundary moves with the top of bank location. Subsequently, revised easements are recommended after the project restoration/rehabilitation and new residential stabilization is completed. If the residential stabilization is not completed under a combined project the easements would likely not be modified and the property subject to that which exists today.
4. Typical residential stabilization projects, via contractors, do not always comply with recommended design standards, as the regulatory review does not require. The recent private contractor applications are an indication of that lower standard. A separate technical review of these applications was completed and will be provided to the regulatory agencies if they were to proceed independently.

5. Given erosion risks associated with this river reach, along with the North Dakota Department of Water Resources (DWR) and BCWRD obligations to Operate and Maintain the Section 32 features, it is recommended all protection measures, including the residential stabilization, comply with reasonable USACE design standards. This is included in the Preliminary Engineering Report plan set and is necessary to protect the Section 32 rehabilitated/restored facilities, as well as reduce the risks to the residential properties.
6. Subsequently, the project, Section 32 and residential stabilization features, must be submitted under a single regulatory permit application, however the USACE or NDDWR may elect to create individual permits for the various residents to assign responsibility and maintenance provisions. Given the nature of the regulatory permitting and physical interaction of the protective measures individually permitting segments is not recommended as it complicates the regulatory review and comment timelines. The timeline for construction is already shortened by the design, financing, and potential individual permit process. If evaluated un separate applications the impacts of each facility on the other is required, therefore, combining them would significantly streamline the process.
7. Subsequently, leaving segments to be permitted separately is unacceptable if the full regulatory review and construction is to occur in 2023. In addition, to control the quality and compliance with construction specifications by individuals under separate contractors is not recommended. Such individual work, and potentially substandard design/construction places other properties owners at risk along this reach. Construction of individual segments also increases the risk for bank line erosion and failure that may affect other properties not currently impacted.
8. Relating to costs, the project will be publicly bid, offering the selection of the responsible lowest bid. This is required for the Section 32 rehabilitation/restoration and the economy of scale would apply to the residential stabilization features. Expenses associated with engineering design, regulatory permitting and administrative fees will be prorated to the various public and private revetments. Each parcel will be assessed its share under the special assessment district process, based on actual costs. Some residents have noted they would be unable to pay for these improvements out of pocket, therefore, their only means to accomplish the desired protection is through the special assessment district. If the vote fails, the project would not be completed, and those unprotected areas would create a greater risk to those areas that may later be protected by individual landowner actions.
9. The project also requires a *floodplain development permit* from the Burleigh County Floodplain Administrator, which may include a no-rise evaluation to evaluate work located within the floodway.

DRAFT

CONSTRUCTION PLANS FOR BURLEIGH COUNTY WATER RESOURCE DISTRICT HOGUE ISLAND BANK STABILIZATION BISMARCK, ND JUNE, 2023



GOVERNING STANDARDS:

MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2009 EDITION. THIS SPECIFICATION INCLUDES THE SHAPES, COLORS, AND FONTS USED IN ROAD MARKINGS AND SIGNS. ALL TRAFFIC CONTROL DEVICES MUST CONFORM TO THESE STANDARDS.

GOVERNING SPECIFICATIONS:

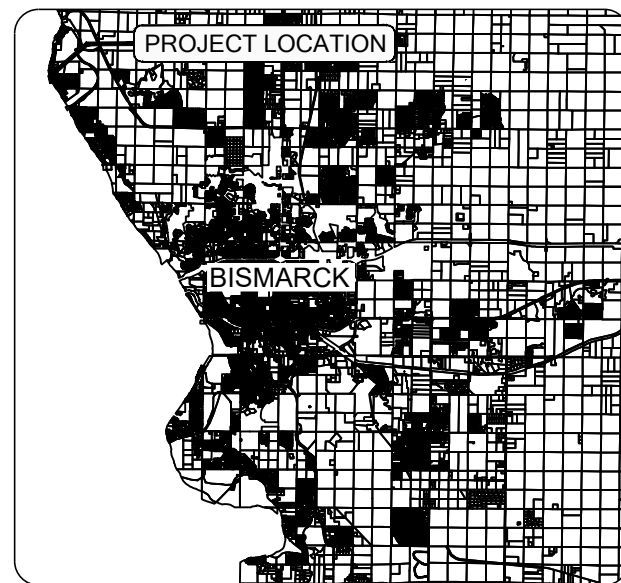
CONSTRUCTION SPECIFICATIONS FOR MUNICIPAL PUBLIC WORKS IMPROVEMENTS, ADOPTED BY THE CITY OF BISMARCK, NORTH DAKOTA, SHALL APPLY TO ALL STANDARD DRAWINGS CURRENTLY IN EFFECT AND OTHER CONTRACT PROVISIONS SUBMITTED HEREIN:

UTILITY NOTE:

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION, AS-BUILT MAPS AS PROVIDED BY MUNICIPALITIES OR UTILITY COMPANIES, AND/OR EXISTING DRAWINGS. THERE IS NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN INDICATE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. NOR IS THERE A GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY RESULT FROM THEIR FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.

SHEET INDEX

1	COVER SHEET
2	ESTIMATED QUANTITIES
3	EXISTING CONDITIONS
4	PROPOSED CONDITIONS
5	HARDPOINT DETAILS
6	TYPICAL SECTION
7 - 14	LANDOWNER LOTS



VICINITY MAP



LOCATION MAP

PRELIMINARY
NOT FOR CONSTRUCTION

ESTIMATED QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
1	CONTRACT BOND	LSUM	1
2	MOBILIZATION	LSUM	1
3	RIPRAP D50	TONS	10213
4	GEOTEXTILE FABRIC	SY	3005
5	TOPSOIL	CY	269
6	SEEDING & MULCHING	AC	0.66

ESTIMATED QUANTITIES BY STATION

STATION RANGE		UNIT	QUANTITY
RIPRAP D50			
STA 0+00.00 TO STA 0+98.77	RESIDENTIAL RESTORATION (BEIERLE)	TONS	35
STA 0+00.00 TO STA 0+07.21	SECTION 32 REVETMENT (STRUCTURE 2)	TONS	626
STA 0+98.77 TO STA 2+37.21	RESIDENTIAL RESTORATION (NEIS)	TONS	780
STA 2+37.21 TO STA 3+52.45	RESIDENTIAL RESTORATION (HOMELVIG)	TONS	649
STA 3+52.45 TO STA 4+80.20	RESIDENTIAL RESTORATION (CARLSON & COLEMAN)	TONS	720
STA 4+80.20 TO STA 6+41.09	RESIDENTIAL RESTORATION (N. STRUTZ)	TONS	906
STA 4+88.59 TO STA 5+34.62	SECTION 32 REVETMENT (STRUCTURE 3)	TONS	2147
STA 6+41.09 TO STA 8+17.55	RESIDENTIAL RESTORATION (W. STRUTZ)	TONS	994
STA 7+18.99 TO STA 7+53.83	SECTION 32 REVETMENT (STRUCTURE 4)	TONS	1701
STA 8+17.55 TO STA 9+12.10	RESIDENTIAL RESTORATION (BRIERLY)	TONS	533
STA 9+12.10 TO STA 10+00.00	RESIDENTIAL RESTORATION (BEYER)	TONS	495
STA 9+61.36 TO STA 9+91.73	SECTION 32 REVETMENT (STRUCTURE 5)	TONS	627
GEOTEXTILE FABRIC			
STA 0+00.00 TO STA 0+98.77	RESIDENTIAL RESTORATION (BEIERLE)	SY	148
STA 0+98.77 TO STA 2+37.21	RESIDENTIAL RESTORATION (NEIS)	SY	439
STA 2+37.21 TO STA 3+52.45	RESIDENTIAL RESTORATION (HOMELVIG)	SY	365
STA 3+52.45 TO STA 4+80.20	RESIDENTIAL RESTORATION (CARLSON & COLEMAN)	SY	405
STA 4+80.20 TO STA 6+41.09	RESIDENTIAL RESTORATION (N. STRUTZ)	SY	510
STA 6+41.09 TO STA 8+17.55	RESIDENTIAL RESTORATION (W. STRUTZ)	SY	559
STA 8+17.55 TO STA 9+12.10	RESIDENTIAL RESTORATION (BRIERLY)	SY	300
STA 9+12.10 TO STA 10+00.00	RESIDENTIAL RESTORATION (BEYER)	SY	279
TOPSOIL			
STA 0+00.00 TO STA 0+98.77	RESIDENTIAL RESTORATION (BEIERLE)	CY	13
STA 0+00.00 TO STA 0+07.21	SECTION 32 REVETMENT (STRUCTURE 2)	CY	2
STA 0+98.77 TO STA 2+37.21	RESIDENTIAL RESTORATION (NEIS)	CY	39
STA 2+37.21 TO STA 3+52.45	RESIDENTIAL RESTORATION (HOMELVIG)	CY	32
STA 3+52.45 TO STA 4+80.20	RESIDENTIAL RESTORATION (CARLSON & COLEMAN)	CY	36
STA 4+80.20 TO STA 6+41.09	RESIDENTIAL RESTORATION (N. STRUTZ)	CY	32
STA 4+88.59 TO STA 5+34.62	SECTION 32 REVETMENT (STRUCTURE 3)	CY	13
STA 6+41.09 TO STA 8+17.55	RESIDENTIAL RESTORATION (W. STRUTZ)	CY	40
STA 7+18.99 TO STA 7+53.83	SECTION 32 REVETMENT (STRUCTURE 4)	CY	10
STA 8+17.55 TO STA 9+12.10	RESIDENTIAL RESTORATION (BRIERLY)	CY	27
STA 9+12.10 TO STA 10+00.00	RESIDENTIAL RESTORATION (BEYER)	CY	16
STA 9+61.36 TO STA 9+91.73	SECTION 32 REVETMENT (STRUCTURE 5)	CY	9
SEEDING & MULCHING			
STA 0+00.00 TO STA 0+98.77	RESIDENTIAL RESTORATION (BEIERLE)	AC	0.02
STA 0+00.00 TO STA 0+07.21	SECTION 32 REVETMENT (STRUCTURE 2)	AC	0.01
STA 0+98.77 TO STA 2+37.21	RESIDENTIAL RESTORATION (NEIS)	AC	0.10
STA 2+37.21 TO STA 3+52.45	RESIDENTIAL RESTORATION (HOMELVIG)	AC	0.08
STA 3+52.45 TO STA 4+80.20	RESIDENTIAL RESTORATION (CARLSON & COLEMAN)	AC	0.09
STA 4+80.20 TO STA 6+41.09	RESIDENTIAL RESTORATION (N. STRUTZ)	AC	0.08
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STA 7+18.99 TO STA 7+53.83	SECTION 32 REVETMENT (STRUCTURE 4)	AC	0.02
STA 8+17.55 TO STA 9+12.10	RESIDENTIAL RESTORATION (BRIERLY)	AC	0.07
STA 9+12.10 TO STA 10+00.00	RESIDENTIAL RESTORATION (BEYER)	AC	0.04
STA 9+61.36 TO STA 9+91.73	SECTION 32 REVETMENT (STRUCTURE 5)	AC	0.02

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NOT FOR CONSTRUCTION

No.	Revision	Date	By



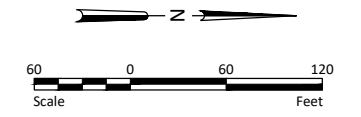
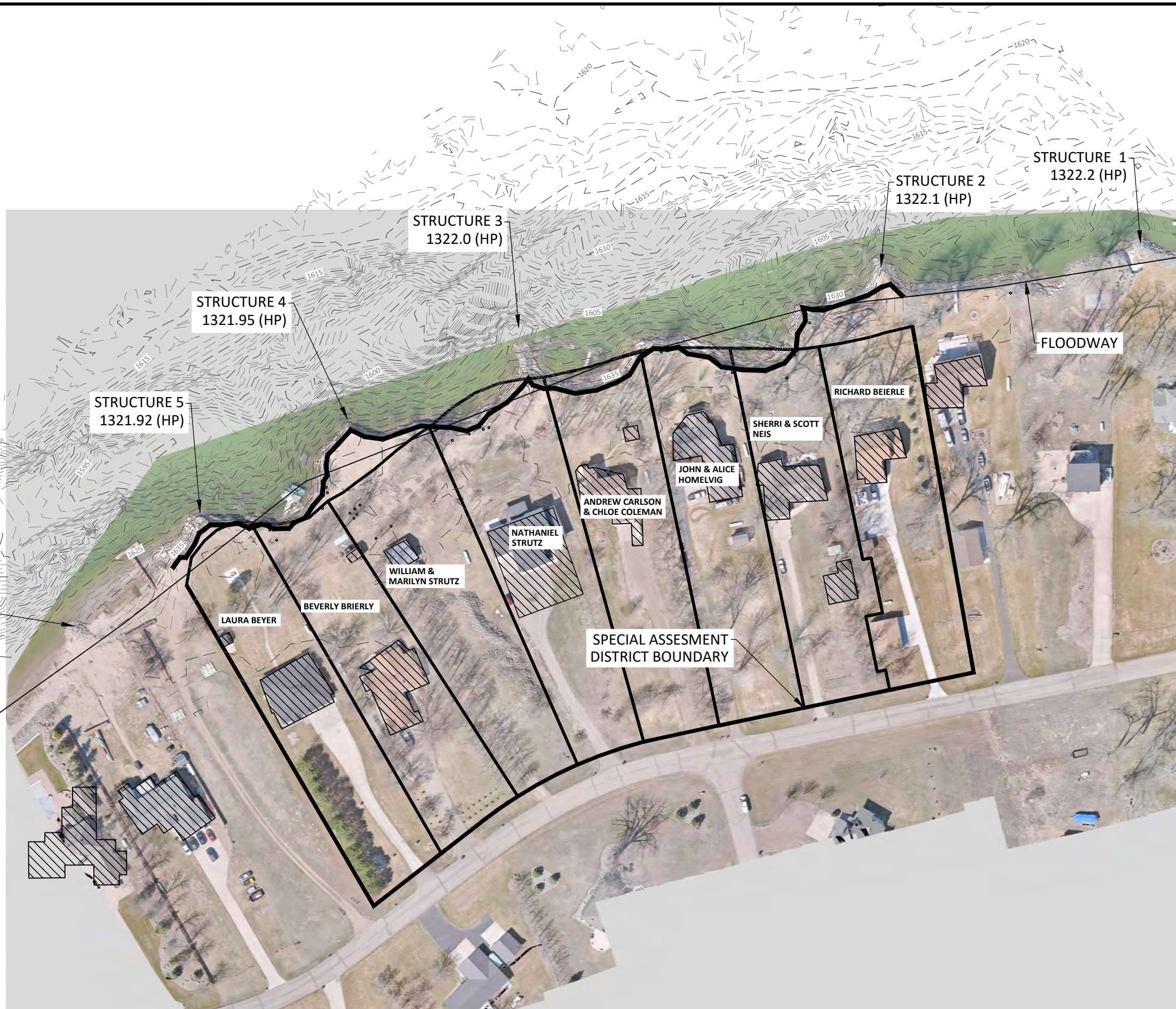
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Checked by	Scale
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HOGUE ISLAND BANK STABILIZATION
BURLEIGH COUNTY WATER RESOURCE DISTRICT
BISMARCK, ND


ESTIMATED QUANTITIES
PROJECT NO. 6025-0021 of 67
BCWRD, June 2023

SHEET
2

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LOT LINES FROM BURLEIGH COUNTY GIS & CITY OF BISMARCK GIS
 DATUM: NGVD 29
 CONSTRUCTION REFERENCE PLAIN ELEVATION: 1633.30

LEGEND:
 LOT LINES ———
 BANK LINE POST-EROSION ———
 BUILDING FOOTPRINT 
 MINOR CONTOUR — 1601 —
 MAJOR CONTOUR — 1600 —
 SPECIAL ASSESSMENT DISTRICT BOUNDARY ———

PRELIMINARY
 NOT FOR CONSTRUCTION

No.	Revision	Date	By



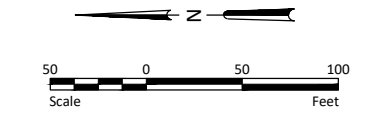
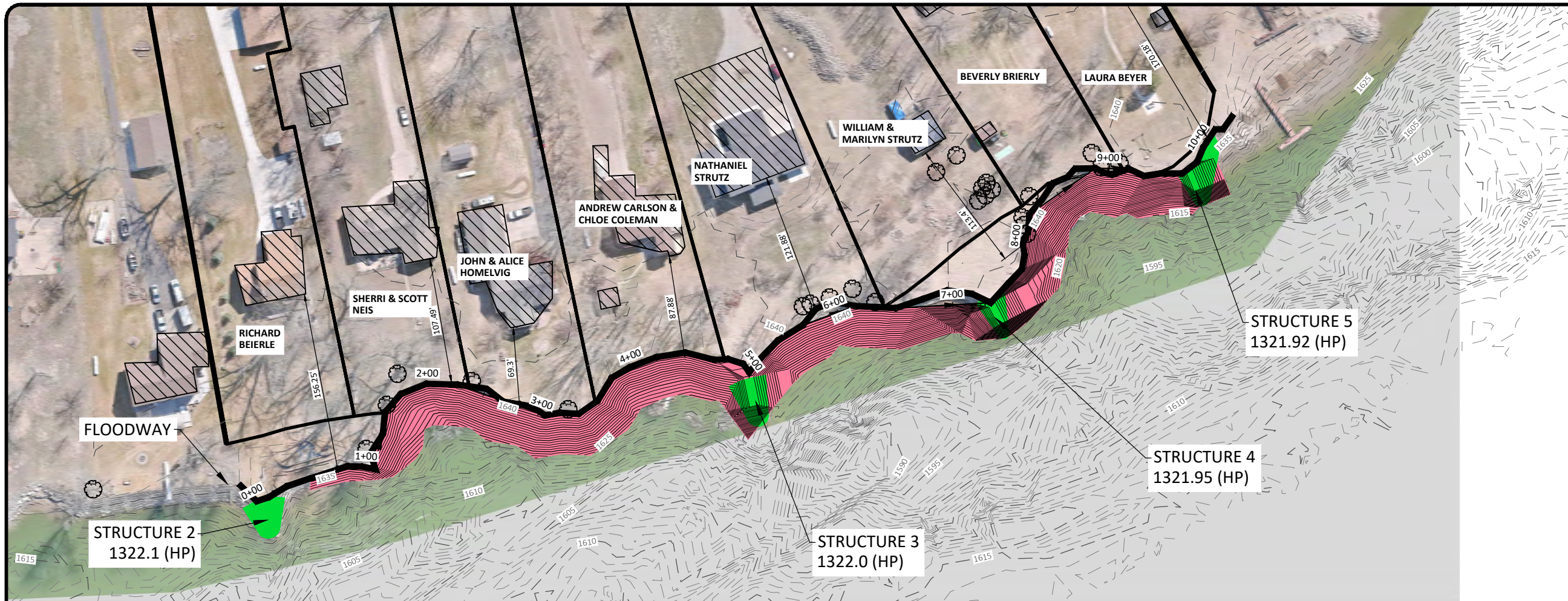
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HOGUE ISLAND BANK STABILIZATION
 BURLEIGH COUNTY WATER RESOURCE DISTRICT
 BISMARCK, ND

EXISTING CONDITIONS
 PROJECT NO. 6025-0021 of 67
 BCWRD, June 2023

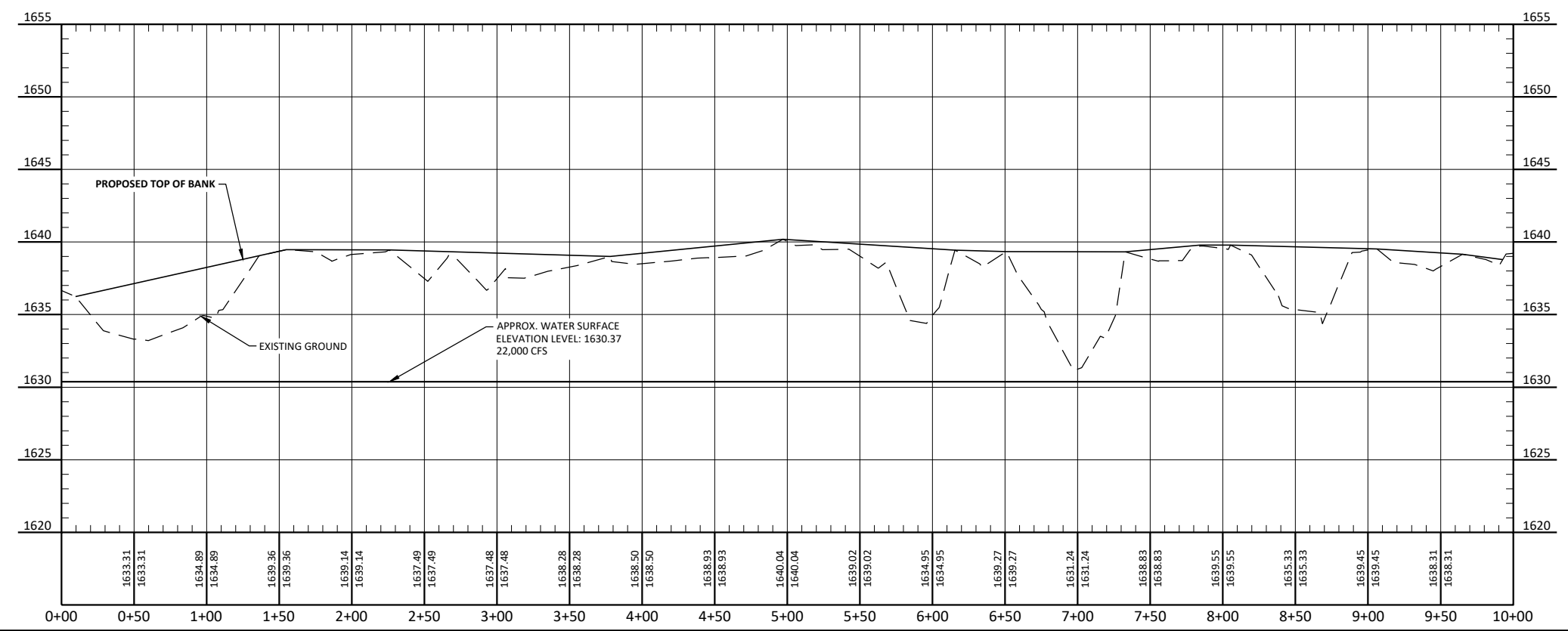
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- APPROX. 0.74 DISTURBED ACRES
- LOT LINES FROM BURLEIGH COUNTY GIS & CITY OF BISMARCK GIS
- DATUM: NGVD 29
- CONSTRUCTION REFERENCE PLANE ELEVATION: 1633.30
- LEGEND:
- RESTORATION AREA
- STRUCTURE RESTORATION AREA
- LOT LINES
- BANK LINE POST-EROSION
- BUILDING FOOTPRINT
- EXISTING MINOR CONTOUR 1601
- EXISTING MAJOR CONTOUR 1600
- PROPOSED MINOR CONTOUR 1601
- PROPOSED MAJOR CONTOUR 1600
- SPECIAL ASSESSMENT DISTRICT BOUNDARY

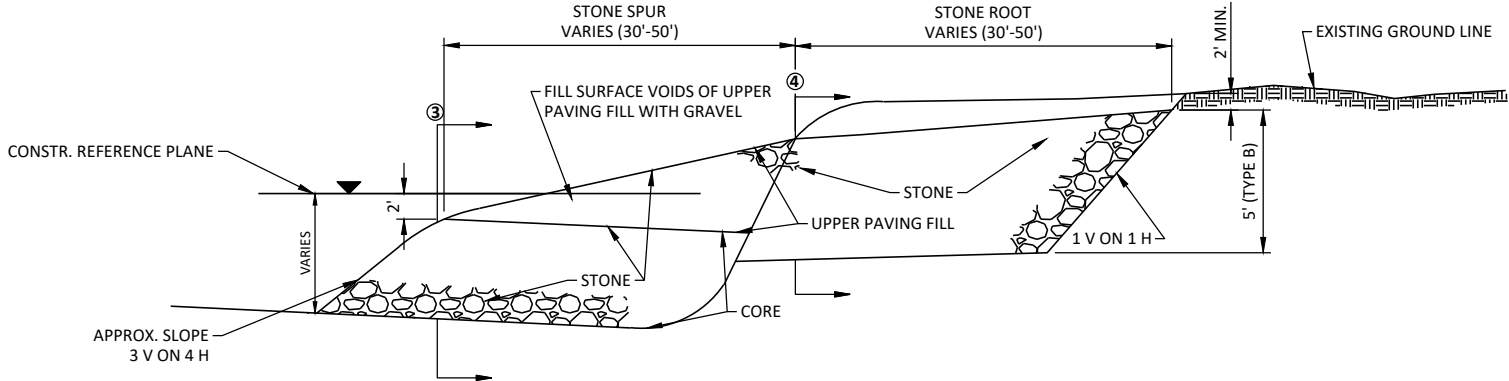
NOTES:
 1. CONTRACTOR TO PLACE RIPRAP ON SLOPES INSTEAD OF EXCAVATING WHERE EXCAVATION WOULD BE SHOWN ON PLAN SHEETS.



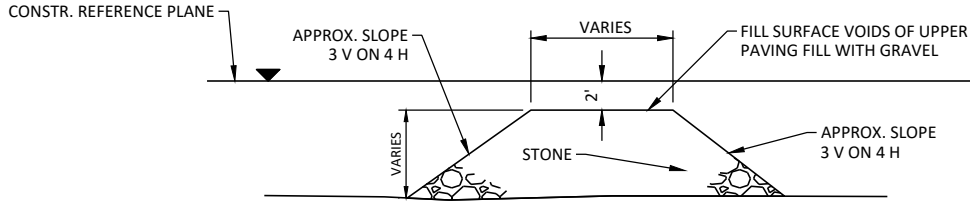
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NOT FOR CONSTRUCTION

No.	Revision	Date	By	HOUSTON engineering, inc.		Drawn by CD Checked by MG	Date 6-2-23 Scale AS SHOWN
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				PROPOSED CONDITIONS		SHEET 4	
				PROJECT NO. 6025-0021 of 67 BCWRD, June 2023			

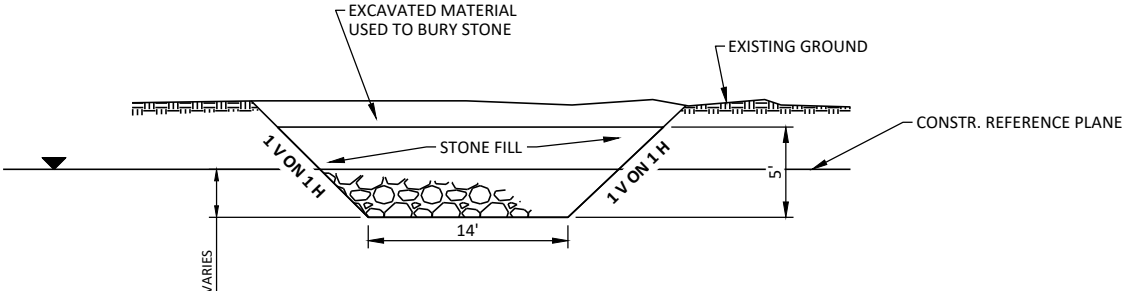
SECTION 32 REVETMENTS



HARD POINT - TYPE II
NOT TO SCALE



SECTION 3 STONE SPUR
NOT TO SCALE



SECTION 4 STONE ROOT - TYPE B
NOT TO SCALE

PRELIMINARY
NOT FOR CONSTRUCTION

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No.	Revision	Date	By



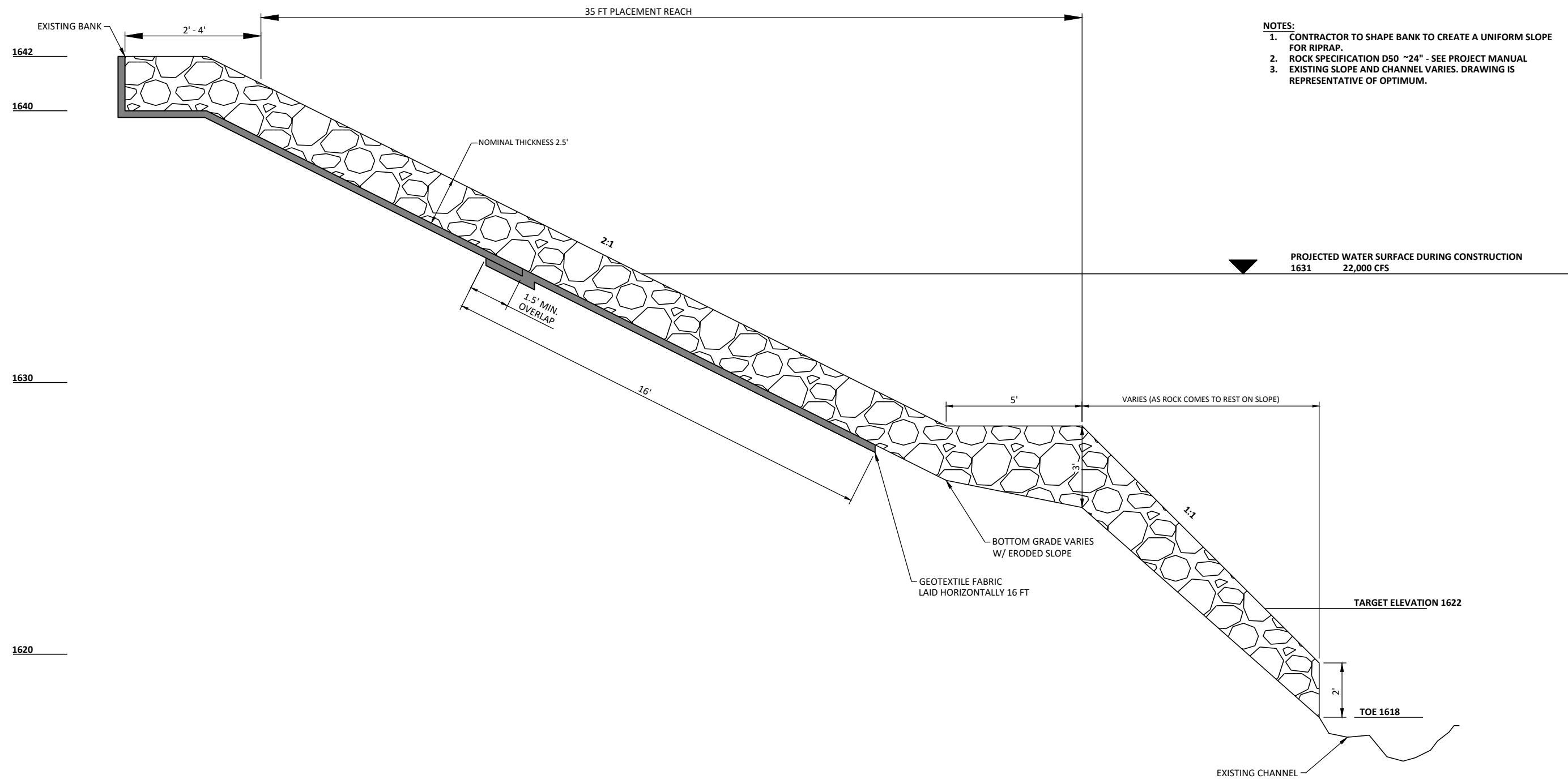
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Checked by MG	Scale AS SHOWN

HOGUE ISLAND BANK STABILIZATION
BURLEIGH COUNTY WATER RESOURCE DISTRICT
BISMARCK, ND

HARDPOINT DETAILS
PROJECT NO. 6025-0021 of 67
BCWRD, June 2023

SHEET
5

RESIDENTIAL STABILIZATION



- NOTES:
1. CONTRACTOR TO SHAPE BANK TO CREATE A UNIFORM SLOPE FOR RIPRAP.
 2. ROCK SPECIFICATION D50 ~24" - SEE PROJECT MANUAL
 3. EXISTING SLOPE AND CHANNEL VARIES. DRAWING IS REPRESENTATIVE OF OPTIMUM.

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NOT FOR CONSTRUCTION

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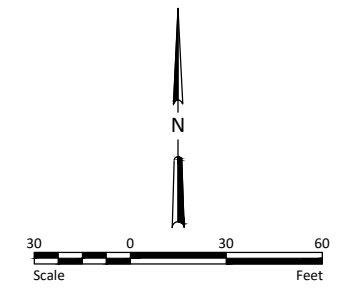
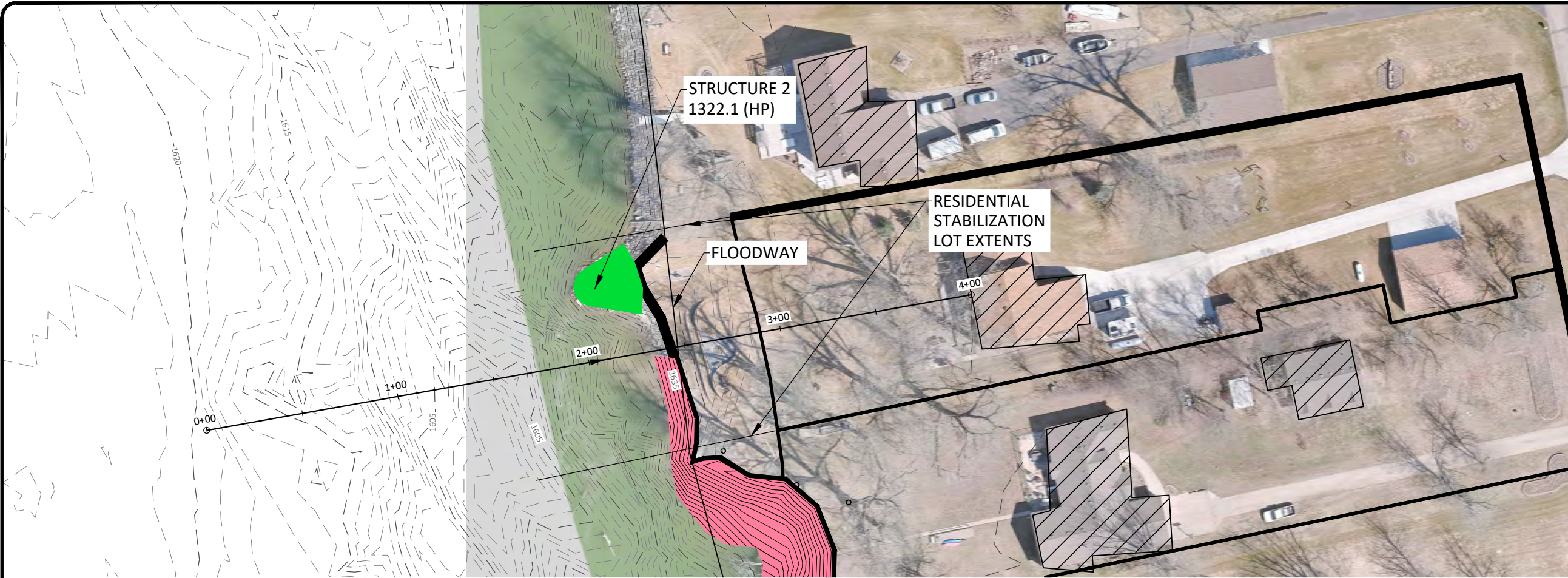


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Checked by MG	Scale AS SHOWN

HOGUE ISLAND BANK STABILIZATION
BURLEIGH COUNTY WATER RESOURCE DISTRICT
BISMARCK, ND

TYPICAL SECTION
PROJECT NO. 6025-0021 of 67
BCWRD, June 2023

SHEET
6



- LOT LINES FROM BURLEIGH COUNTY GIS & CITY OF BISMARCK GIS
- DATUM: NGVD 29
- CONSTRUCTION REFERENCE PLAIN ELEVATION: 1633.30
- LEGEND:
- RESTORATION AREA
 - STRUCTURE RESTORATION AREA
 - LOT LINES
 - BANK LINE POST-EROSION
 - BUILDING FOOTPRINT
 - EXISTING MINOR CONTOUR 1601
 - EXISTING MAJOR CONTOUR 1600
 - PROPOSED MINOR CONTOUR 1601
 - PROPOSED MAJOR CONTOUR 1600
 - SPECIAL ASSESSMENT DISTRICT BOUNDARY

- NOTE:
1. PROTECT EXISTING LANDSCAPING AND RETAINING WALL.
 2. STRUCTURE 2 RIPRAP TO SUPPLEMENT EXISTING RIPRAP AND REINFORCE STRUCTURE.

LOT INFORMATION

NAME: RICHARD BEIERLE
 ADDRESS: 8822 ISLAND RD
 LOT & BLOCK: LOT 3 & 4A BLOCK 10
 SUBDIVISION: ISLAND PARK ESTATES
 PARCEL NO.: 23-140-81-50-10-030

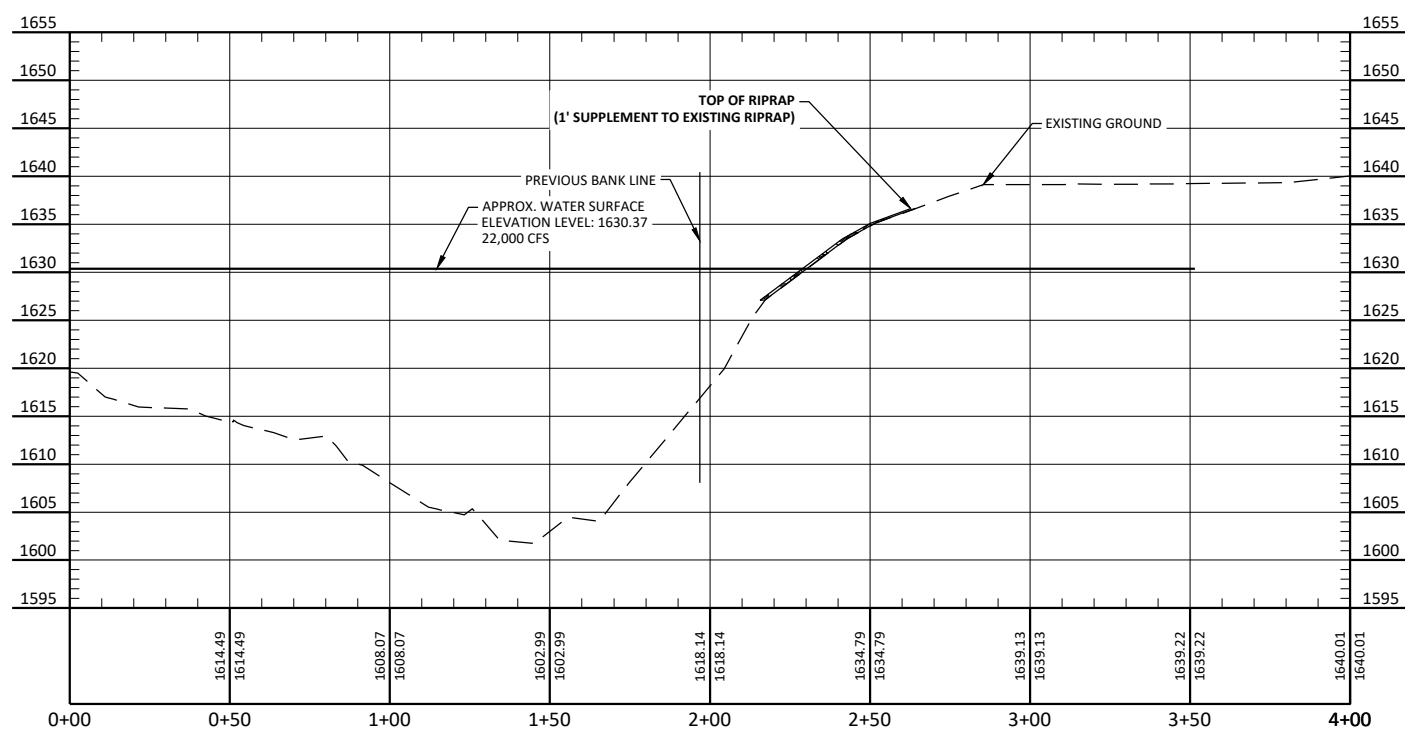
STA 0+00.00 TO STA 0+98.77

ESTIMATED RESIDENTIAL STABILIZATION QUANTITIES:

GEOTEXTILE FABRIC	148 SY
RESIDENTIAL RIPRAP	APPROX. 35 TONS
TOPSOIL	13 CY

ESTIMATED SECTION 32 REVETMENT QUANTITIES:

STRUCTURE 2 RIPRAP	APPROX. 626 TONS
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PRELIMINARY

NOT FOR CONSTRUCTION

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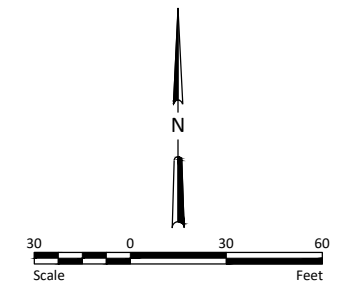
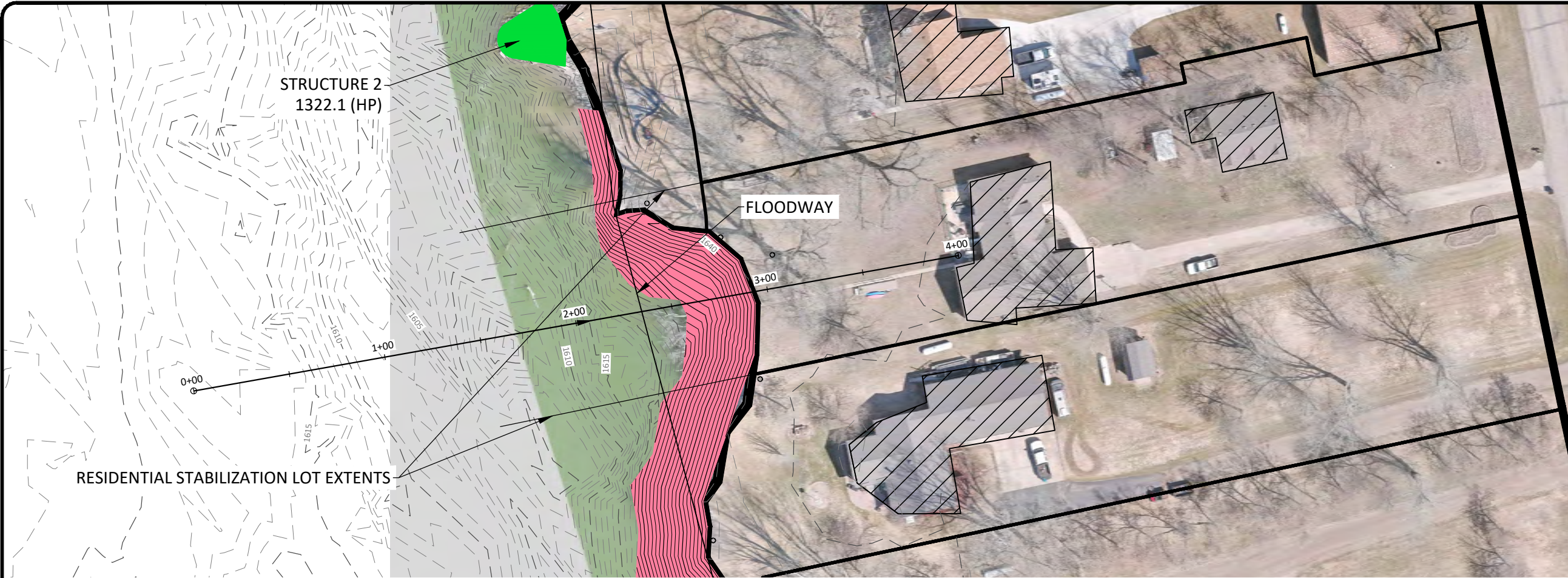


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HOGUE ISLAND BANK STABILIZATION
 BURLEIGH COUNTY WATER RESOURCE DISTRICT
 BISMARCK, ND

BEIERLE LOT
 PROJECT NO. 6025-0021 of 67
 BCWRD, June 2023

SHEET
 7

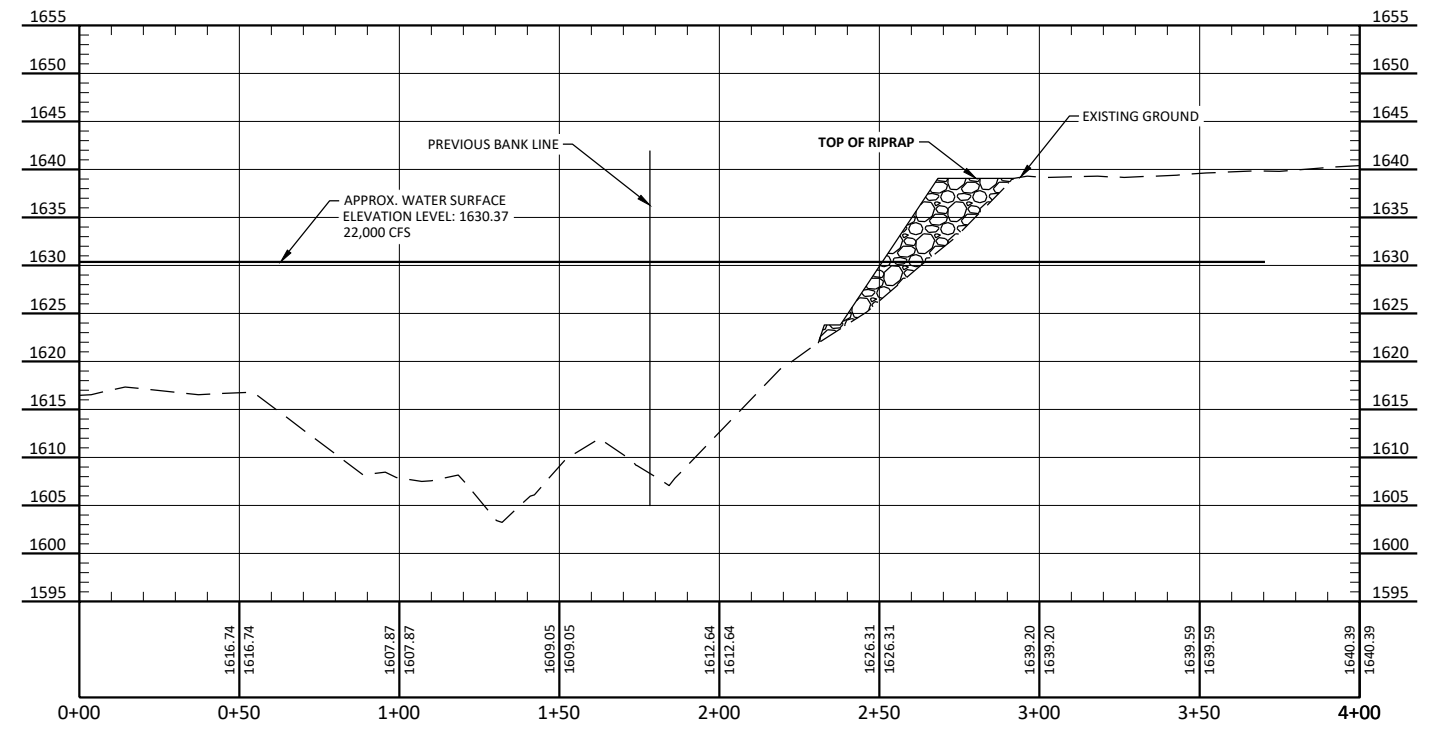


- LOT LINES FROM BURLEIGH COUNTY GIS & CITY OF BISMARCK GIS
- DATUM: NGVD 29
- CONSTRUCTION REFERENCE PLAIN ELEVATION: 1633.30
- LEGEND:
- RESIDENTIAL RESTORATION AREA
 - SECTION 32 RESTORATION AREA
 - LOT LINES
 - BANK LINE POST-EROSION
 - BUILDING FOOTPRINT
 - EXISTING MINOR CONTOUR
 - EXISTING MAJOR CONTOUR
 - PROPOSED MINOR CONTOUR
 - PROPOSED MAJOR CONTOUR
 - SPECIAL ASSESSMENT DISTRICT BOUNDARY

NOTE:
1. REMOVE FALLEN TREES PRIOR TO RIPRAP PLACEMENT.

LOT INFORMATION
NAME: SHERRI & SCOTT NEIS
ADDRESS: 8812 ISLAND RD
LOT & BLOCK: LOT 3A & 4 BLOCK 10
SUBDIVISION: ISLAND PARK ESTATES
PARCEL NO.: 23-140-81-50-10-040

STA 0+98.77 TO STA 2+37.21
ESTIMATED RESIDENTIAL STABILIZATION QUANTITIES:
GEOTEXTILE FABRIC 439 SY
RESIDENTIAL RIPRAP APPROX. 780 TONS
TOPSOIL 39 CY



PRELIMINARY
NOT FOR CONSTRUCTION

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No.	Revision	Date	By

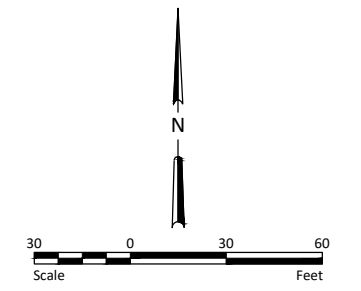
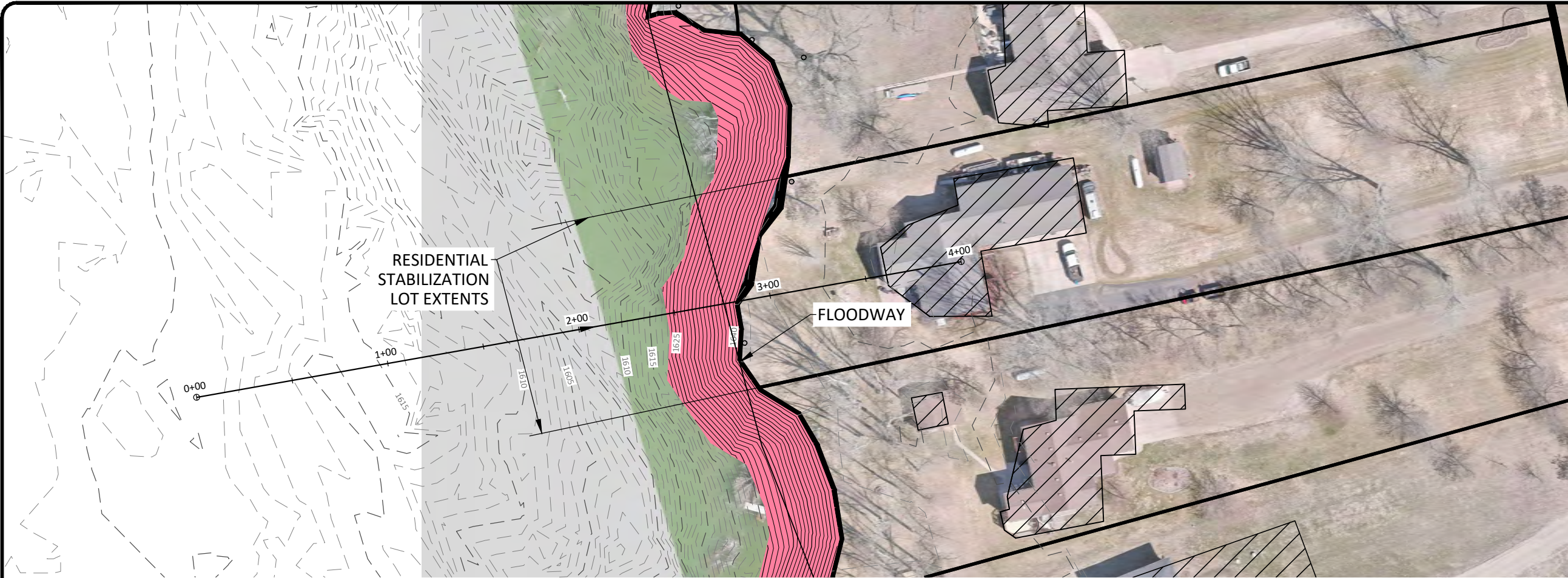


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HOGUE ISLAND BANK STABILIZATION
BURLEIGH COUNTY WATER RESOURCE DISTRICT
BISMARCK, ND

NEIS LOT
PROJECT NO. 6025-0021 of 67
BCWRD, June 2023

SHEET
8



- LOT LINES FROM BURLEIGH COUNTY GIS & CITY OF BISMARCK GIS
- DATUM: NGVD 29
- CONSTRUCTION REFERENCE PLAIN ELEVATION: 1633.30
- LEGEND:
- RESIDENTIAL RESTORATION AREA
 - SECTION 32 RESTORATION AREA
 - LOT LINES
 - BANK LINE POST-EROSION
 - BUILDING FOOTPRINT
 - EXISTING MINOR CONTOUR 1601
 - EXISTING MAJOR CONTOUR 1600
 - PROPOSED MINOR CONTOUR 1601
 - PROPOSED MAJOR CONTOUR 1600
 - SPECIAL ASSESSMENT DISTRICT BOUNDARY

NOTES:

- PROTECT EXISTING LANDSCAPE FEATURES OR COORDINATE REMOVAL WITH HOMEOWNER.

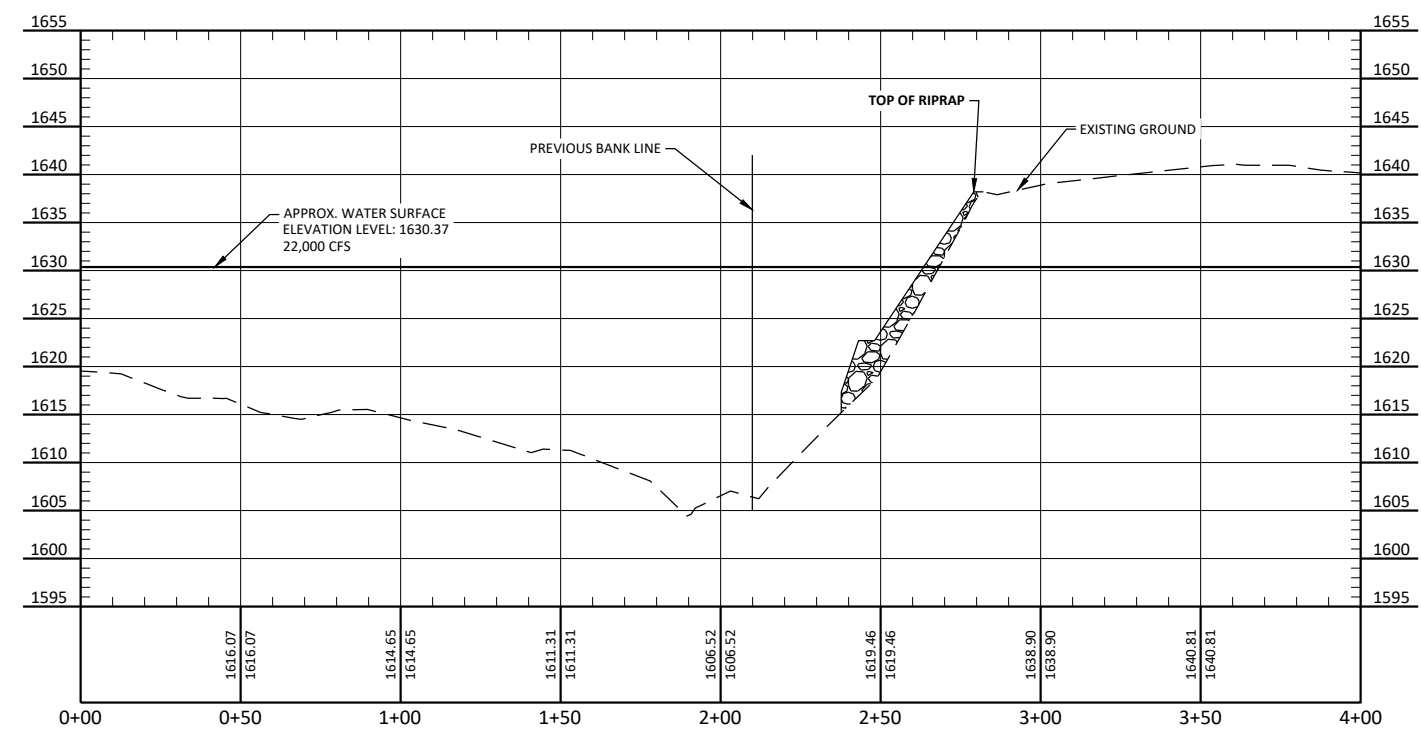
LOT INFORMATION

NAME: JOHN & ALICE HOMELVIG
 ADDRESS: 8800 ISLAND RD
 LOT & BLOCK: LOT 5 BLOCK 10
 SUBDIVISION: ISLAND PARK ESTATES
 PARCEL NO.: 23-140-81-50-10-050

STA 2+37.21 TO STA 3+52.45

ESTIMATED RESIDENTIAL STABILIZATION QUANTITIES:

GEOTEXTILE FABRIC	365 SY
RESIDENTIAL RIPRAP	APPROX. 649 TONS
TOPSOIL	32 CY

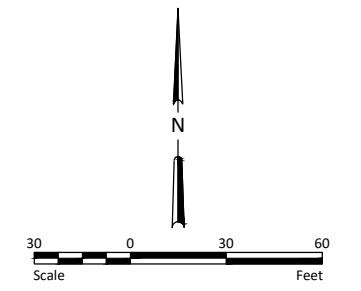
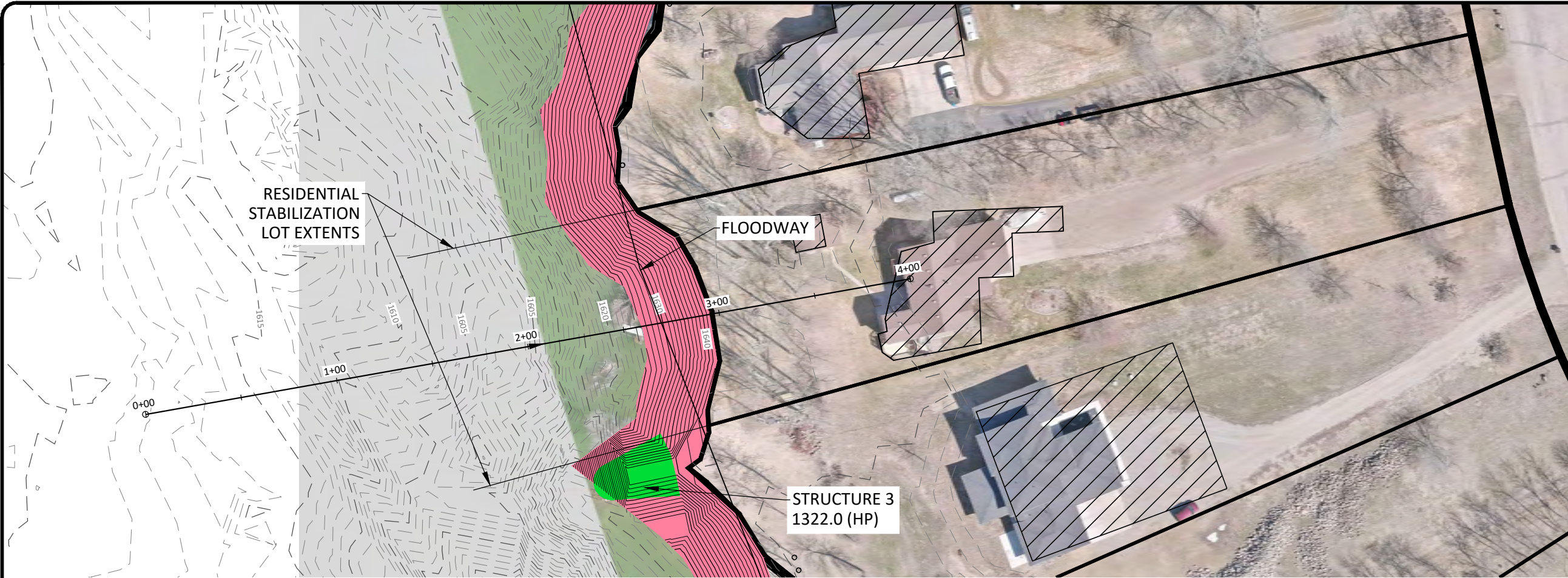


PRELIMINARY

NOT FOR CONSTRUCTION

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No.	Revision	Date	By						



- LOT LINES FROM BURLEIGH COUNTY GIS & CITY OF BISMARCK GIS
- DATUM: NGVD 29
- CONSTRUCTION REFERENCE PLAIN ELEVATION: 1633.30
- LEGEND:
- RESIDENTIAL RESTORATION AREA
 - SECTION 32 RESTORATION AREA
 - LOT LINES
 - BANK LINE POST-EROSION
 - BUILDING FOOTPRINT
 - EXISTING MINOR CONTOUR
 - EXISTING MAJOR CONTOUR
 - PROPOSED MINOR CONTOUR
 - PROPOSED MAJOR CONTOUR
 - SPECIAL ASSESSMENT DISTRICT BOUNDARY

NOTE:

1. REMOVE FALLEN TREES PRIOR TO RIPRAP PLACEMENT.

LOT INFORMATION

NAME: ANDREW CARLSON & CHLOE COLEMAN

ADDRESS: 8730 ISLAND RD

LOT & BLOCK: LOT 6 BLOCK 10

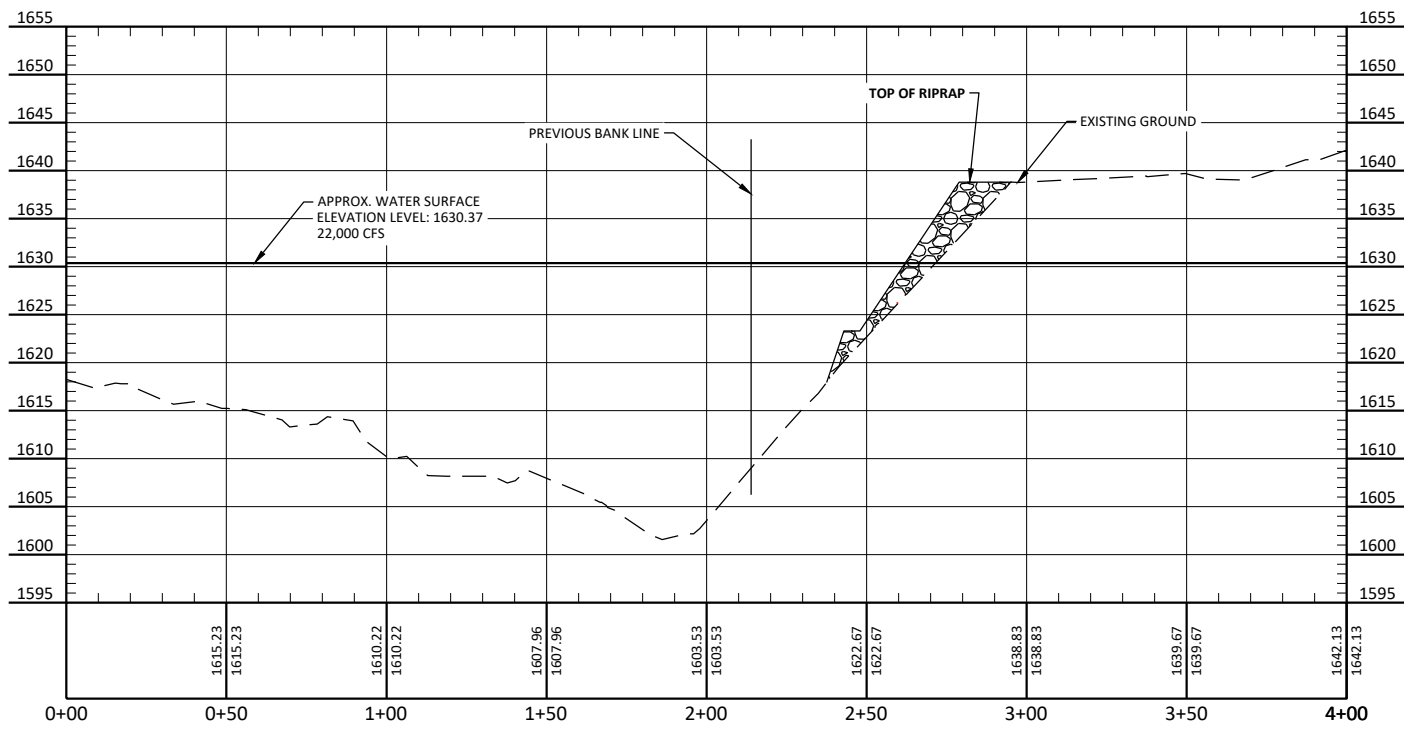
SUBDIVISION: ISLAND PARK ESTATES

PARCEL NO.: 23-140-81-50-10-060

STA 3+52.45 TO STA 4+80.20

ESTIMATED RESIDENTIAL RESTORATION QUANTITIES:

GEOTEXTILE FABRIC	405 SY
RESIDENTIAL RIPRAP	APPROX. 720 TONS
TOPSOIL	36 CY



PRELIMINARY
NOT FOR CONSTRUCTION

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No.	Revision	Date	By



Drawn by CD Date 6-2-23

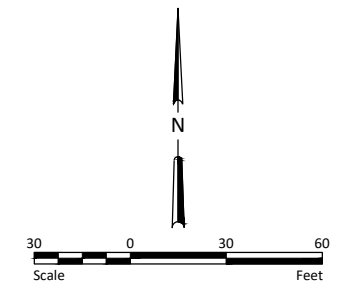
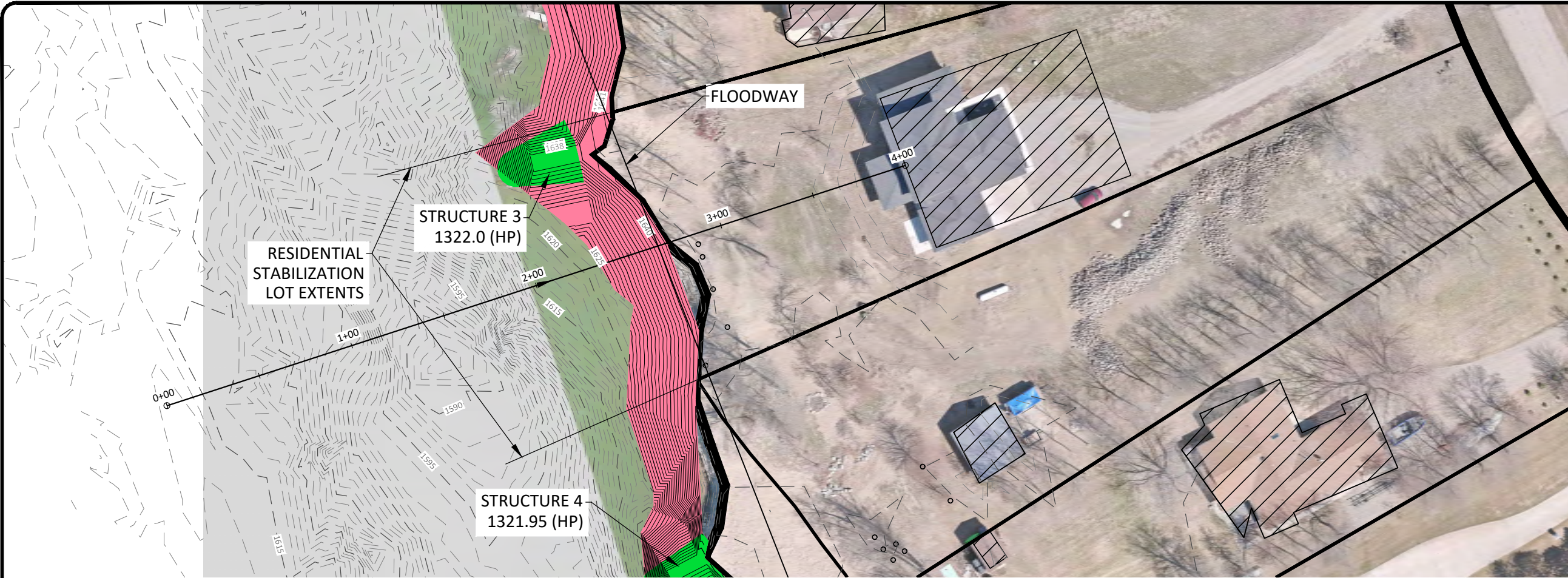
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HOGUE ISLAND BANK STABILIZATION
BURLEIGH COUNTY WATER RESOURCE DISTRICT
BISMARCK, ND

CARLSON & COLEMAN LOT

PROJECT NO. 6025-0021 of 67
BCWRD, June 2023

SHEET 10



- LOT LINES FROM BURLEIGH COUNTY GIS & CITY OF BISMARCK GIS
- DATUM: NGVD 29
- CONSTRUCTION REFERENCE PLAIN ELEVATION: 1633.30
- LEGEND:
- RESIDENTIAL RESTORATION AREA █
 - SECTION 32 RESTORATION AREA █
 - LOT LINES
 - BANK LINE POST-EROSION
 - BUILDING FOOTPRINT
 - EXISTING MINOR CONTOUR 1601
 - EXISTING MAJOR CONTOUR 1600
 - PROPOSED MINOR CONTOUR 1601
 - PROPOSED MAJOR CONTOUR 1600
 - SPECIAL ASSESSMENT DISTRICT BOUNDARY
- LOT INFORMATION
- NAME: NATHANIEL STRUTZ
 ADDRESS: 8720 ISLAND RD
 LOT & BLOCK: LOT 7 BLOCK 10
 SUBDIVISION: ISLAND PARK ESTATES
 PARCEL NO.: 23-140-81-50-10-070

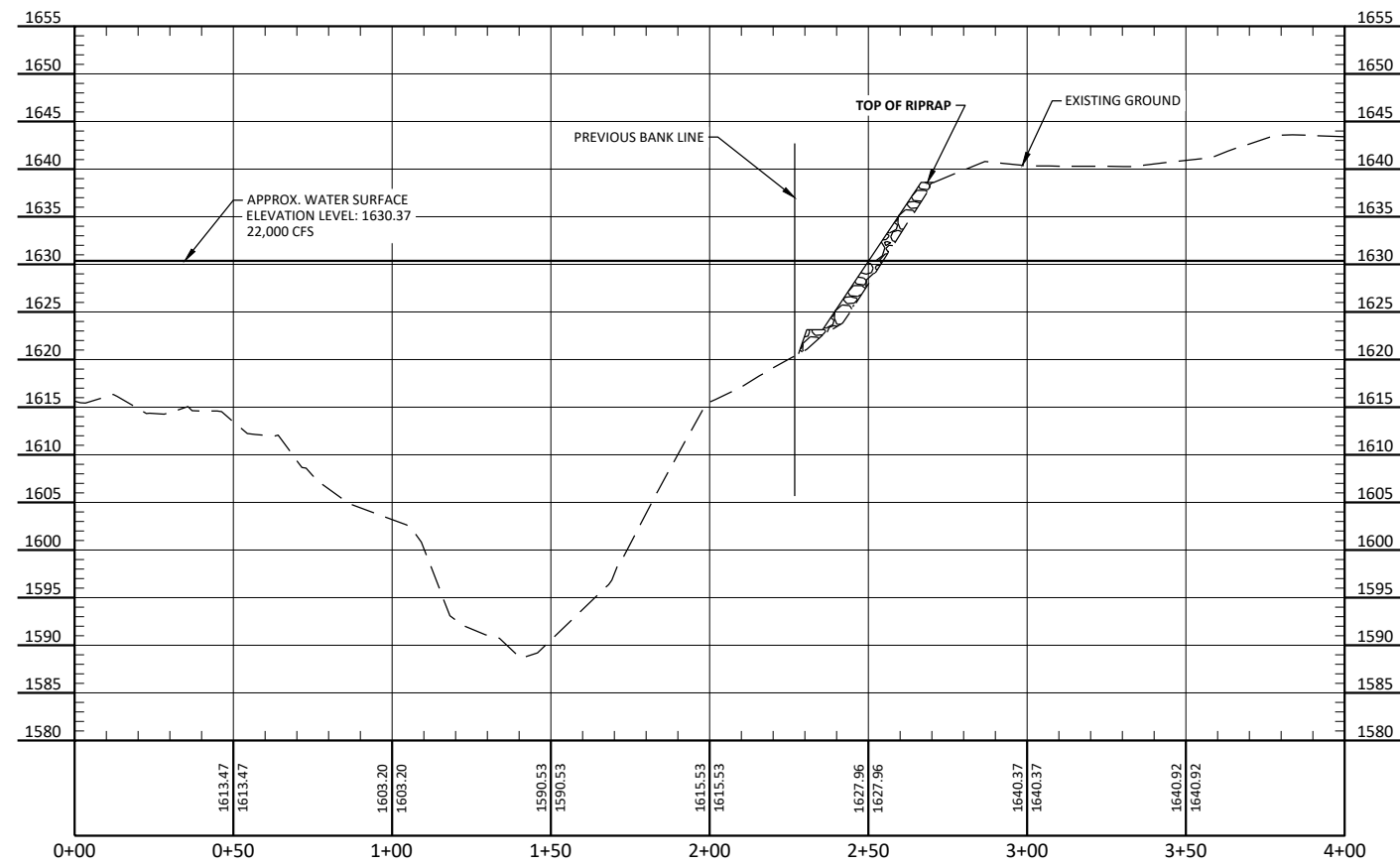
STA 4+80.20 TO STA 6+41.09

ESTIMATED RESIDENTIAL STABILIZATION QUANTITIES:

GEOTEXTILE FABRIC	510 SY
RESIDENTIAL RIPRAP	APPROX. 906 TONS
TOPSOIL	45 CY

ESTIMATED SECTION 32 REVETMENT QUANTITIES:

STRUCTURE 3 RIPRAP	APPROX. 2147 TONS
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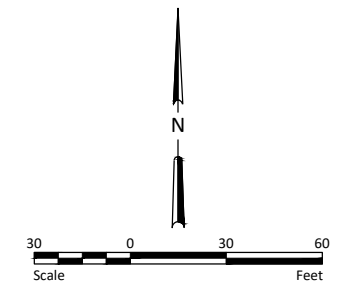
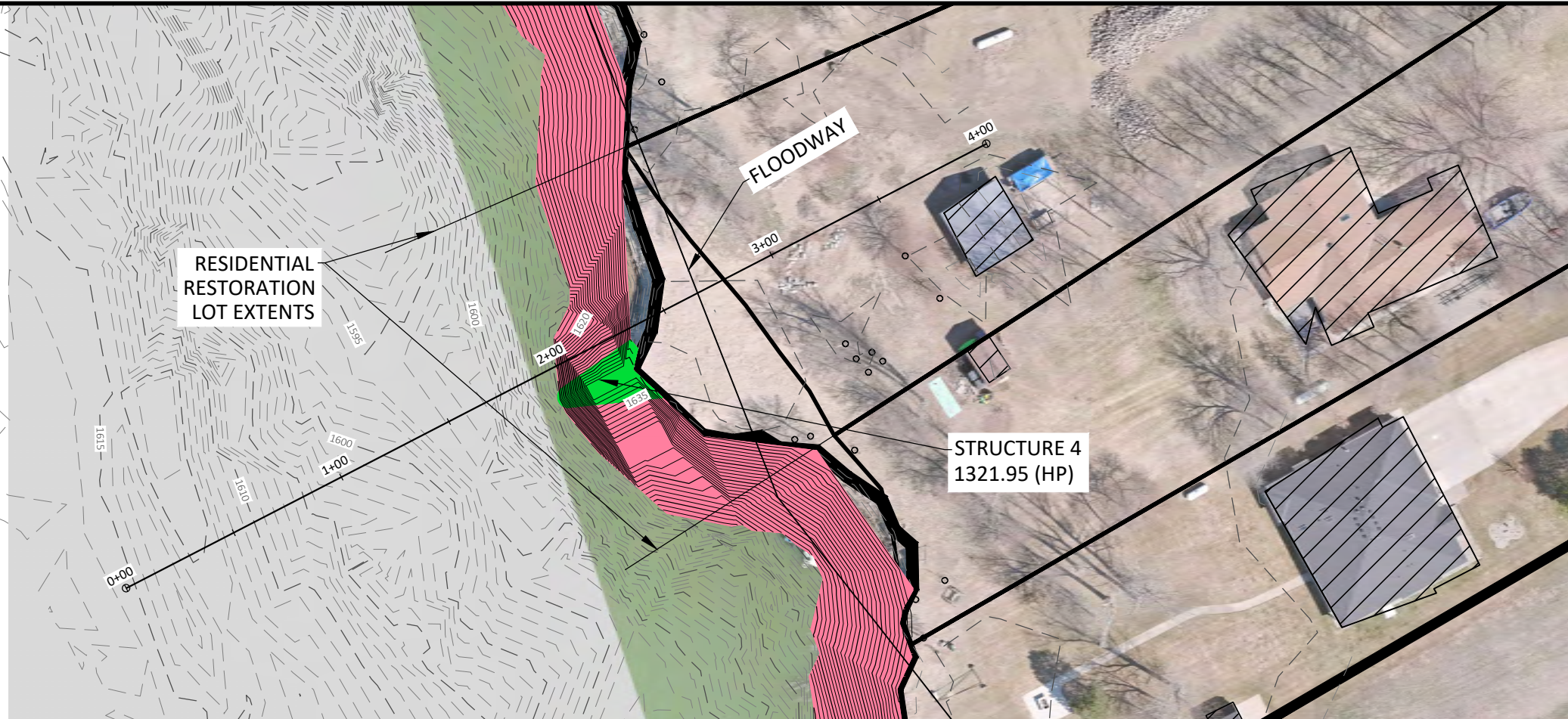


PRELIMINARY
NOT FOR CONSTRUCTION

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No.	Revision	Date	By	HOUSTON engineering, inc.		Drawn by CD	Date 6-2-23
						Checked by MG	Scale AS SHOWN
				HOGUE ISLAND BANK STABILIZATION BURLEIGH COUNTY WATER RESOURCE DISTRICT BISMARCK, ND			
				N. STRUTZ LOT		SHEET	
				PROJECT NO. 6025-0021 of 67 BCWRD, June 2023		11	

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- LOT LINES FROM BURLEIGH COUNTY GIS & CITY OF BISMARCK GIS
- DATUM: NGVD 29
- CONSTRUCTION REFERENCE PLAIN ELEVATION: 1633.30
- LEGEND:
- RESIDENTIAL RESTORATION AREA
 - SECTION 32 RESTORATION AREA
 - LOT LINES
 - BANK LINE POST-EROSION
 - BUILDING FOOTPRINT
 - EXISTING MINOR CONTOUR 1601
 - EXISTING MAJOR CONTOUR 1600
 - PROPOSED MINOR CONTOUR 1601
 - PROPOSED MAJOR CONTOUR 1600
 - SPECIAL ASSESSMENT DISTRICT BOUNDARY

LOT INFORMATION

NAME: WILLIAM & MARILYN STRUTZ

ADDRESS: 8710 ISLAND RD

LOT & BLOCK: LOT 8 BLOCK 10

SUBDIVISION: ISLAND PARK ESTATES

PARCEL NO.: 23-140-81-50-10-080

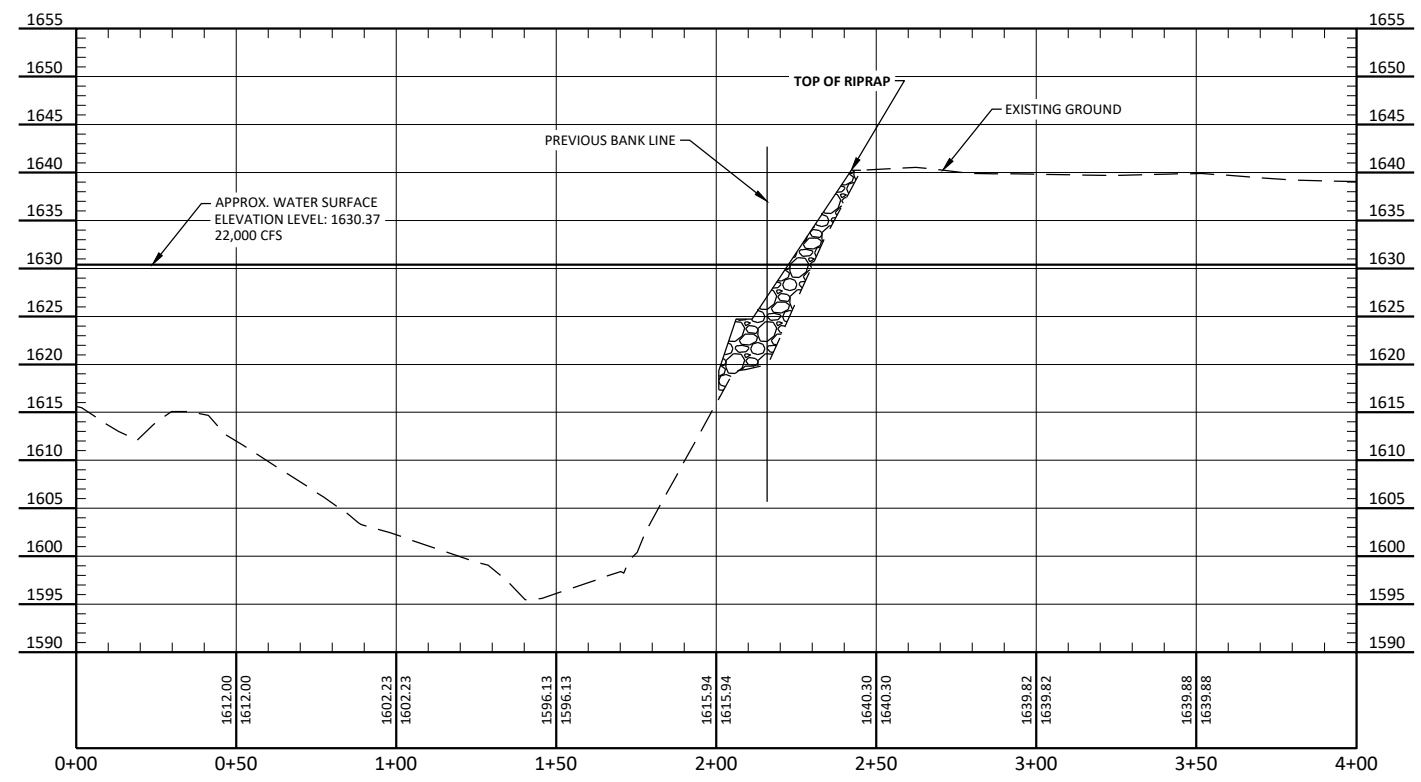
STA 6+41.09 TO STA 8+17.55

ESTIMATED RESIDENTIAL STABILIZATION QUANTITIES:

GEOTEXTILE FABRIC	559 SY
RESIDENTIAL RIPRAP	APPROX. 994 TONS
TOPSOIL	49 CY

ESTIMATED SECTION 32 REVETMENT QUANTITIES:

STRUCTURE 4 RIPRAP	APPROX. 1701 TONS
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PRELIMINARY

NOT FOR CONSTRUCTION

No.	Revision	Date	By



Drawn by CD Date 6-2-23

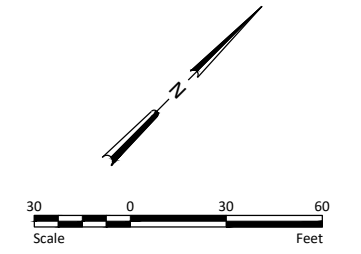
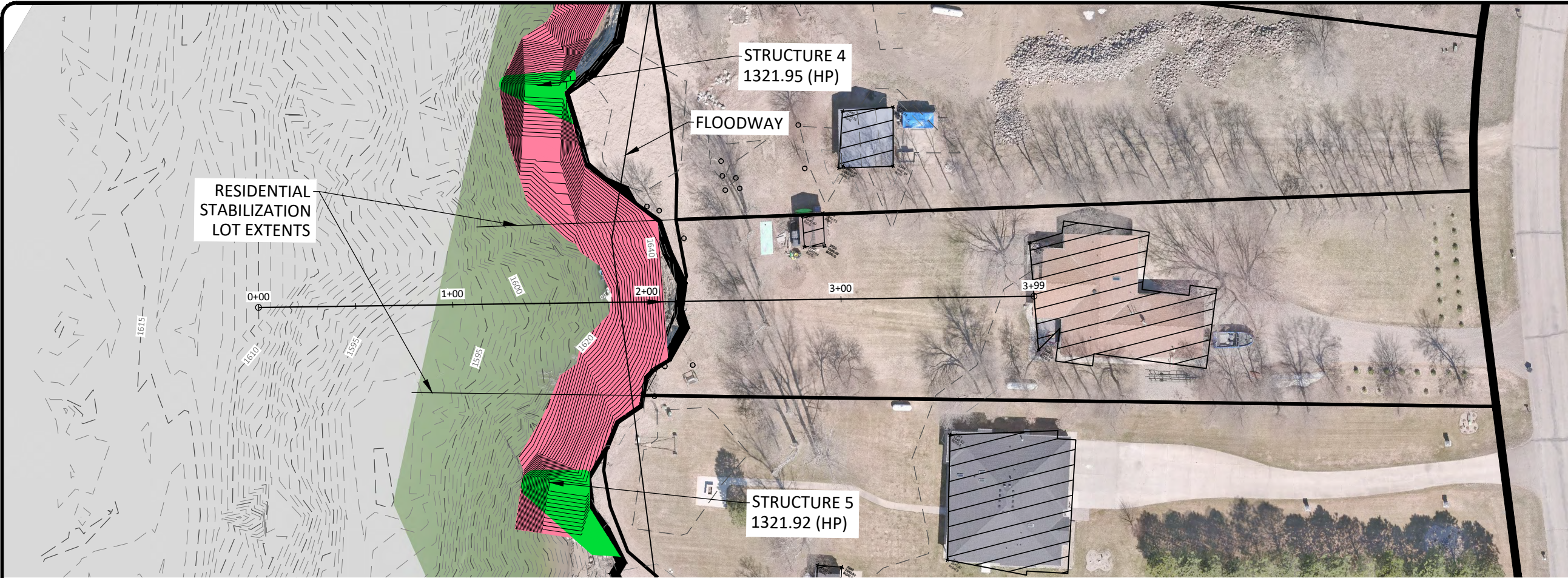
Checked by MG Scale AS SHOWN

HOGUE ISLAND BANK STABILIZATION
BURLEIGH COUNTY WATER RESOURCE DISTRICT
BISMARCK, ND

W. STRUTZ LOT

PROJECT NO. 6025-0021 of 67
BCWRD, June 2023

SHEET 12



- LOT LINES FROM BURLEIGH COUNTY GIS & CITY OF BISMARCK GIS
- DATUM: NGVD 29
- CONSTRUCTION REFERENCE PLAIN ELEVATION: 1633.30
- LEGEND:
- RESIDENTIAL RESTORATION AREA
 - SECTION 32 RESTORATION AREA
 - LOT LINES
 - BANK LINE POST-EROSION
 - BUILDING FOOTPRINT
 - EXISTING MINOR CONTOUR 1601
 - EXISTING MAJOR CONTOUR 1600
 - PROPOSED MINOR CONTOUR 1601
 - PROPOSED MAJOR CONTOUR 1600
 - SPECIAL ASSESSMENT DISTRICT BOUNDARY

LOT INFORMATION

NAME: BEVERLY BRIERLY

ADDRESS: 8700 ISLAND RD

LOT & BLOCK: LOT 9 BLOCK 10

SUBDIVISION: ISLAND PARK ESTATES

PARCEL NO.: 23-140-81-50-10-090

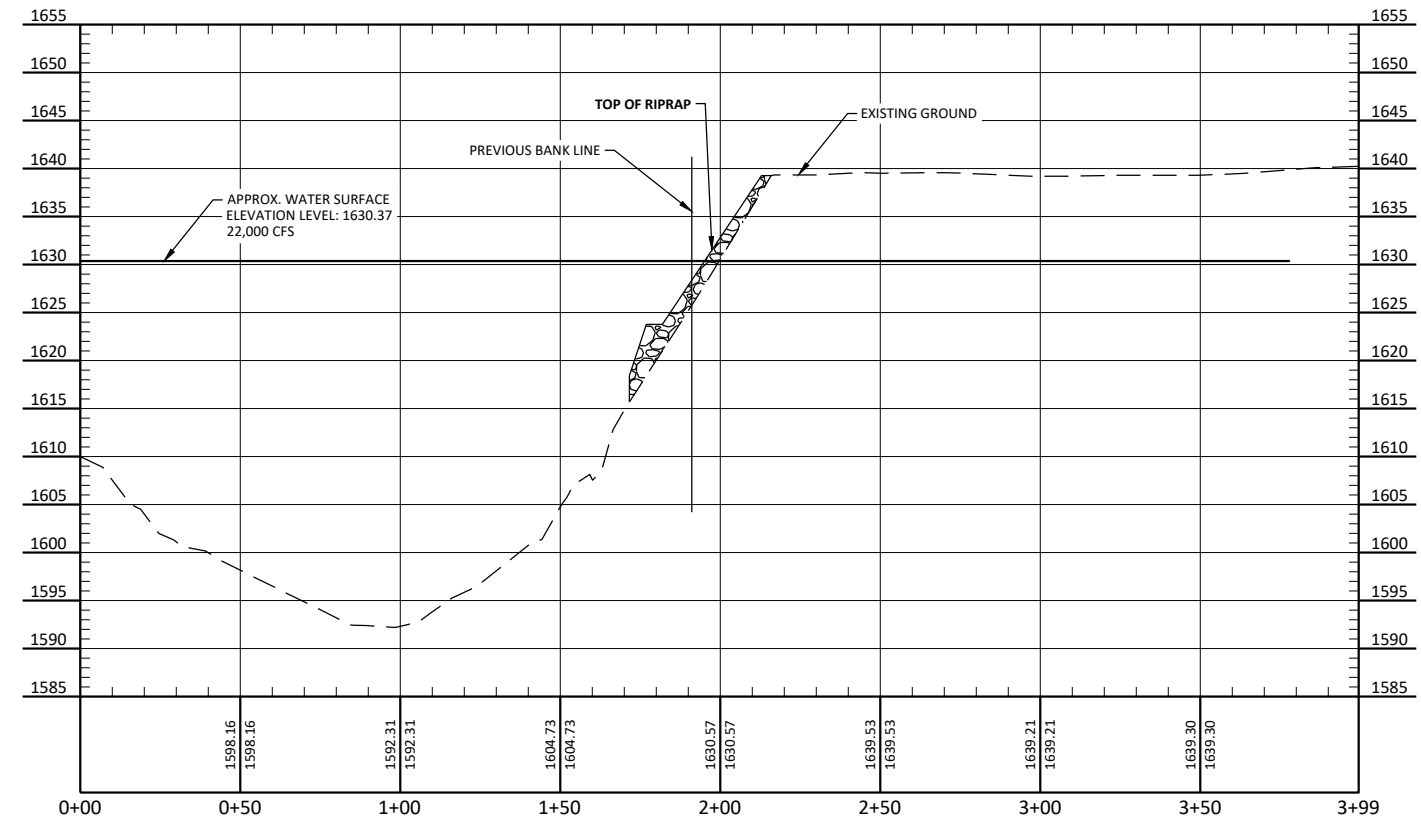
NOTE:

1. REMOVE FALLEN TREES PRIOR TO PLACING RIPRAP.

STA 8+17.55 TO STA 9+12.10

ESTIMATED RESIDENTIAL RESTORATION QUANTITIES:

GEOTEXTILE FABRIC	300 SY
RESIDENTIAL RIPRAP	APPROX. 533 TONS
TOPSOIL	27 CY



PRELIMINARY

NOT FOR CONSTRUCTION

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No.	Revision	Date	By



Drawn by
CD

Checked by
MG

Date
6-2-23

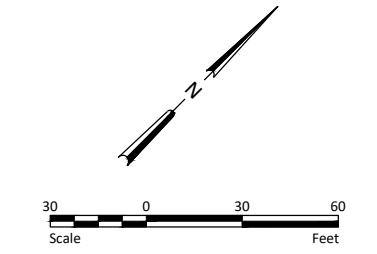
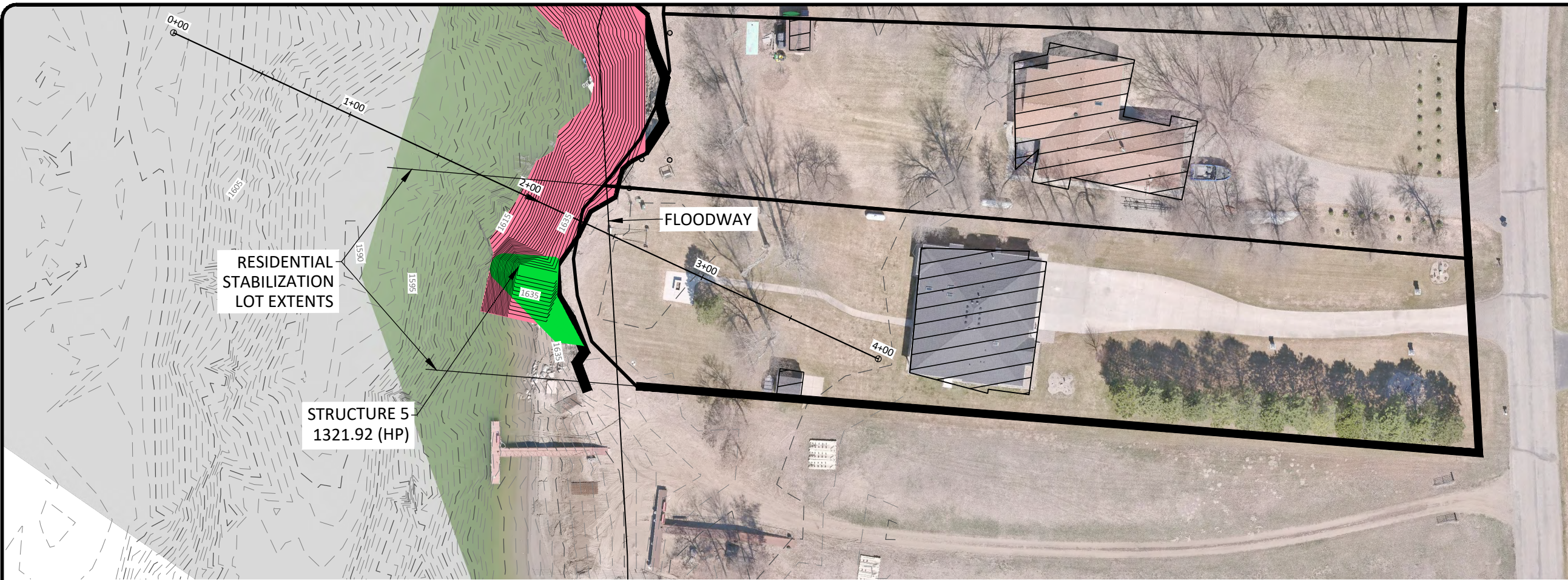
Scale
AS SHOWN

HOGUE ISLAND BANK STABILIZATION
BURLEIGH COUNTY WATER RESOURCE DISTRICT
BISMARCK, ND

BRIERLY LOT

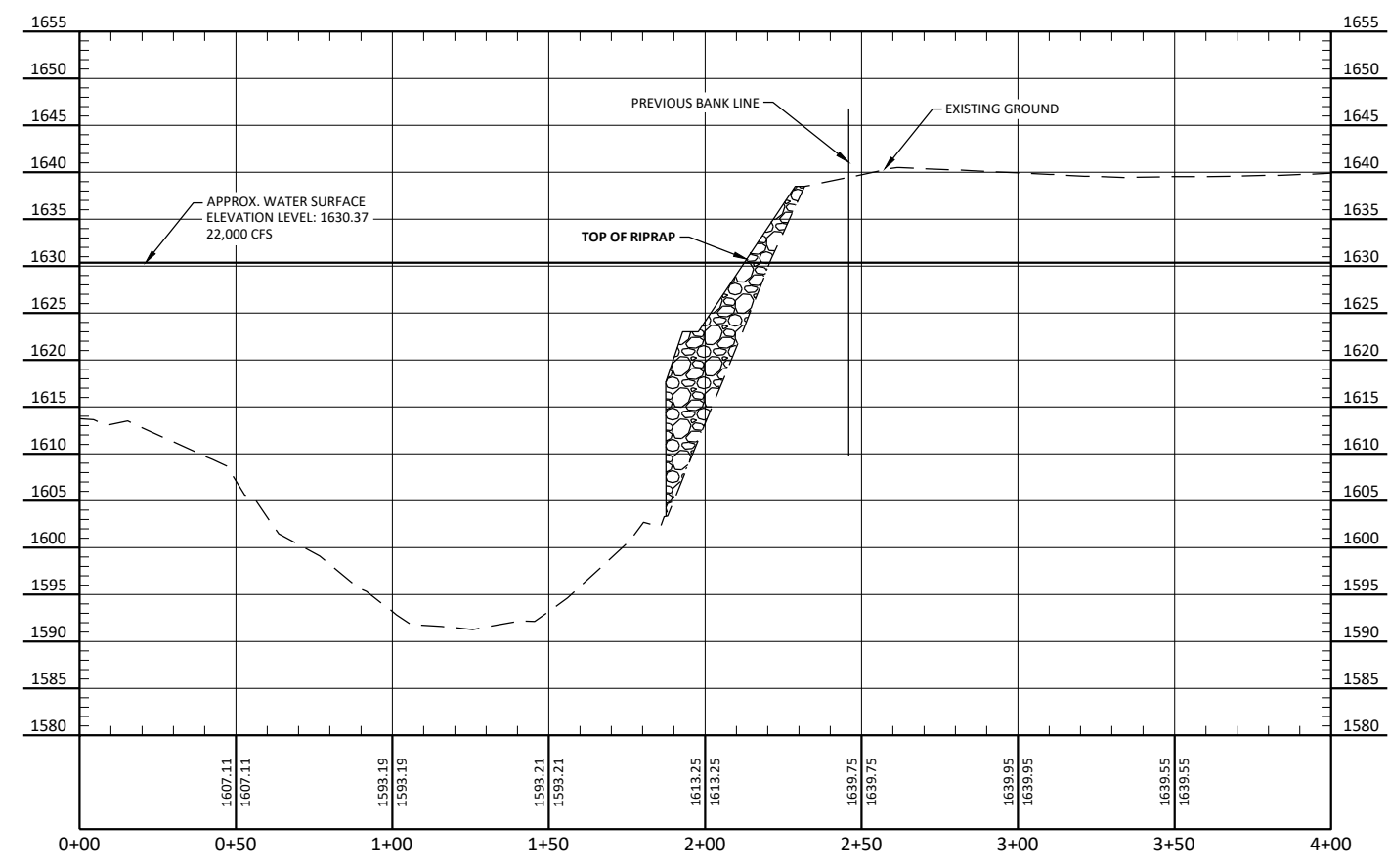
PROJECT NO. 6025-0021 of 67
BCWRD, June 2023

SHEET
13



- LOT LINES FROM BURLEIGH COUNTY GIS & CITY OF BISMARCK GIS
- DATUM: NGVD 29
- CONSTRUCTION REFERENCE PLAIN ELEVATION: 1633.30
- LEGEND:**
- RESIDENTIAL RESTORATION AREA
 - SECTION 32 RESTORATION AREA
 - LOT LINES
 - BANK LINE POST-EROSION
 - BUILDING FOOTPRINT
 - EXISTING MINOR CONTOUR 1601
 - EXISTING MAJOR CONTOUR 1600
 - PROPOSED MINOR CONTOUR 1601
 - PROPOSED MAJOR CONTOUR 1600
 - SPECIAL ASSESSMENT DISTRICT BOUNDARY
- LOT INFORMATION**
- NAME: LAURA BEYER
 ADDRESS: 8636 ISLAND RD
 LOT & BLOCK: LOT 10 BLOCK 10
 SUBDIVISION: ISLAND PARK ESTATES
 PARCEL NO.: 23-140-81-50-10-100

- NOTE:**
1. PROTECT EXISTING ELECTRICAL AND IRRIGATION FEATURES OR COORDINATE REMOVAL WITH HOMEOWNER.
- STA 9+12.10 TO STA 10+00.00
ESTIMATED RESIDENTIAL STABILIZATION QUANTITIES:
 GEOTEXTILE FABRIC 279 SY
 RESIDENTIAL RIPRAP APPROX. 495 TONS
 TOPSOIL 25 CY
- ESTIMATED SECTION 32 REVETMENT QUANTITIES:**
 STRUCTURE 5 RIPRAP APPROX. 627 TONS



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No.	Revision	Date	By



Drawn by CD Date 6-2-23
 Checked by MG Scale AS SHOWN

HOGUE ISLAND BANK STABILIZATION
 BURLEIGH COUNTY WATER RESOURCE DISTRICT
 BISMARCK, ND

BEYER LOT
 PROJECT NO. 6025-0021 of 67
 BCWRD, June 2023

SHEET 14

PRELIMINARY
NOT FOR CONSTRUCTION



Resolution No. 2

**BURLEIGH COUNTY WATER RESOURCE DISTRICT
BURLEIGH COUNTY, NORTH DAKOTA**

**RESOLUTION APPROVING ENGINEER’S REPORT, PLANS, SPECIFICATIONS
AND ESTIMATE OF COST AND DIRECTING THE ASSESSMENT OF THE COST FOR THE
HOGUE ISLAND BANK STABILIZATION – MR 1321.89 TO MR 1322.22**

BE IT RESOLVED by the Burleigh County Water Resource District, Burleigh County, North Dakota, as follows:

1. The engineer’s report, preliminary plans, profiles, and opinion of probable cost received by this Board for the proposed construction of the **Hogue Island Bank Stabilization – MR 1321.89 to MR 1322.22 (the “Project”)** on June 14, 2023, are hereby approved and the same shall be forthwith filed in the office of the Secretary.
2. The Board shall proceed with the assessment of the project cost and public hearing process in accordance with N.D.C.C. Section 61-16.1-21. The project assessments are to include project costs, as well as coordination with the rehabilitation/restoration of the *Section 32 Revetements*, per the recommendations contained in the engineer’s report. There is no operation and maintenance provisions included in this project.

Dated this 14th day of June, 2023

ATTEST:

BURLEIGH COUNTY WATER
RESOURCE DISTRICT

Secretary

James Landenberger, Chairman,
Burleigh County Water Resource District

The governing body of the political subdivision acted on the foregoing resolution on this 14th day of June, 2023 as follows:

Adoption moved by _____ Secoded by _____.

Roll Call Vote (List Last Names)

“Aye” _____

“Nay” _____

Absent _____

...and after vote the presiding officer declared the resolution adopted.

TO: Hogue Island Bank Stabilization Project Residents
FROM: Burleigh County Water Resource District
SUBJECT: Informational Meeting
HOGUE ISLAND BANK STABILIZATION – MR 1321.89 TO MR 1322.22

Date: July __, 2023

Dear Resident:

The Burleigh County Water Resource District will hold a public informational meeting regarding a special assessment district to stabilize the banks along the Missouri River on your properties on _____, 2023 at 5:30 pm in the Tom Baker Meeting Room; City/County Building; 221 North 5th Street; Bismarck, ND.

The purpose for this meeting is to receive your input regarding the process to establish the project as outlined in the Preliminary Engineering Report which is available for viewing at the Burleigh County Water Resource District website: <http://www.bcwrld.org/>.

A presentation outlining the findings of the Preliminary Engineering Assessment and the related Section 32 improvements will occur at 5:30 pm. Public comments will be received immediately following. Input provided at this public meeting will be considered by the Burleigh County Water Resource District as the project configuration is then finalized and the next steps occur to formally establish the project in accordance with ND Century Code Chapter 61-16.1.

The next step in the process, following this meeting, will be a public hearing and vote of the residents. This will be explained in more detail during the presentation. You are invited to attend this meeting and the public hearing. If you have any questions regarding the process or the draft report prior to the meeting, please direct them to Manager Randy Binigar at 595-4957.

Sincerely,

James Landenberger, Chairman
Burleigh County Water Resource District

Enclosure

c: Michael Gunsch, PE, Houston Engineering
David Bliss, Bliss Law Firm

TO: Hogue Island Bank Stabilization Project
FROM: Burleigh County Water Resource District
SUBJECT: Special Assessment District
HOGUE ISLAND BANK STABILIZATION – MR 1321.89 TO MR 1322.22

Date: August __, 2023

Dear Resident:

The Burleigh County Water Resource District is proceeding with the development of a Bank Stabilization project to protect your rural residential properties from the existing and future erosion along the Missouri River. The total combined opinion of probable cost, including the Section 32 reatment rehabilitation/restoration is \$_____. The residential portion of these costs is projected to be \$_____. In order to fund these improvements, it is necessary to create a special assessment district in accordance with North Dakota Century Code Chapter 61-16.1.

Enclosed is a copy of the assessment list showing a total of nine (9) parcels to be assessed in accordance with the projected cost for each individual parcel. There will be no operation or maintenance funding provisions for these residential parcels under this project. Also enclosed is a Notice of the Public Hearing which will be held on *Wednesday September ___th in the Tom Baker Meeting Room at 221 N 5th Street, Bismarck, ND from 5:30 pm to 6:30 pm*, along with a copy of the Resolution of the Burleigh County Water Resource District creating the project. The assessment list has been filed with the Burleigh County Auditor. Additional information is available on the Burleigh County Water Resource District website at www.bcwr.org.

Each property owner will have 30 days from the hearing date to cast their votes either in favor or in opposition to the project. Enclosed is a ballot and a return envelope for your use. Each property owner receives one vote for each \$1 of assessment. The project will pass or fail based on the percentage of votes cast, with a simple majority required to be approved.

You are encouraged to attend the Public Hearing where any questions you have may be answered. If you have questions in the interim, please direct them to Manager Randy Binegar, at 527-2134.

Sincerely,

James Landenberger, Chairman
Burleigh County Water Resource District

Enclosure

c: Michael Gunsch, PE, Houston Engineering
David Bliss, Bliss Law Firm

Affidavit of Mailing

***Hogue Island Bank Stabilization Project
MR 1321.89 to MR 1322.22***

Certification of Assessments

The undersigned does hereby certify that the attached letter to the Burleigh County Auditor regarding the Notice of Certified of Assessments and Resolution of the Burleigh County Water Resource District was also mailed to those property owners subject to these assessments on behalf of the Burleigh County Water Resource District on August ___, 2023.

Shawn Mistelski
Houston Engineering, Inc.

Sworn and subscribed to before me this _____ day of August 2023 in Burleigh County, ND.

Notary Public in and for the State of North Dakota

Affidavit of Mailing

***Hogue Island Bank Stabilization Project
MR 1321.89 to MR 1322.22***

The undersigned does hereby certify that the attached Notice of Assessment Hearing, Resolution regarding the Assessment Vote, Order and Assessment List were mailed to all prospective voters on behalf of the Burleigh County Water Resource District on August ____, 2023.

Wendy Egli
Administrative Secretary
Burleigh County Water Resource District

Sworn and subscribed to before me this _____ day of August, 2023 in Burleigh County, ND.

Notary Public in and for the State of North Dakota



Burleigh County Water Resource District

City/County Office Building - 221 North 5th Street
Bismarck, North Dakota 58501-4028

NOTICE OF ORDER AND HEARING ON SPECIAL ASSESSMENTS HOGUE ISLAND BANK STABILIZATION – MR 1321.89 TO MR 1322.22

NOTICE IS HERBY GIVEN that the Burleigh County Water Resource District will hold and conduct a PUBLIC HEARING on Wednesday _____ in the Tom Baker Meeting Room, 221 N 5th Street, Bismarck, ND from 5:30 pm to 6:30 pm regarding the proposed HOGUE ISLAND BANK STABILIZATION – MR 1321.89 TO MR 1322.22. Said project having the following general nature and purpose:

Construct residential bank stabilization along the Missouri River located on Lot 3&4A, Lot 3A&4, Lot 5, Lot 6, Lot 7, Lot 8 and Lot 9 Island Park Estates, as documented in the Preliminary Engineering Report; and in the area generally described as the east bank of the Missouri River between River Mile 1321.89 to River Mile 1322.22. This work is to be coordinated with the Section 32 revetment rehabilitation/restoration project being undertaken by the North Dakota Department of Water Resources and Burleigh County Water Resource District.

NOTICE IS FURTHER GIVEN that the Burleigh County Water Resource District has adopted a Resolution, hereby included as part of this Notice.

NOTICE IS FURTHER GIVEN that:

1. The engineer's report, profiles, plans, specifications and estimate of cost received by this Board for the proposed HOGUE ISLAND BANK STABILIZATION – MR 1321.89 TO MR 1322.22, are hereby approved and the same shall be forthwith filed in the office of the Secretary.
2. The Board is proceeding with the assessment of the cost of the project and public hearing process in accordance with N.D.C.C. Section 61-16.1-21.
3. The Board has inspected the property subject to special assessments for the Project and has prepared an Assessment List showing the projected assessment against each parcel of land benefited by the proposed Project, based on the actual work to be completed on each parcel. The resulting assessment list is included with this Notice.

Affected landowners have 30 days following the date of the aforementioned public hearing (until and through _____, 2023) to file their votes concerning the proposed Project and such votes must be filed with the Board Secretary at 221 N 5th Street, Bismarck or mailed to the BCWRD at PO Box 1255, Bismarck ND 58502-1255.

NOTICE IS FURTHER GIVEN that the Assessment List referred to in the above Resolution has been filed with the Burleigh County Auditor.

DATED THIS ___th day of August, 2023

BURLEIGH COUNTY WATER RESOURCE DISTRICT

James Landenberger, Chairman
Burleigh County Water Resource District

August ____, 2023

Mark Splonskowski
Burleigh County Auditor
PO Box 5518
Bismarck, ND 58506-5518

Re: Hogue Island Bank Stabilization Project
Special Assessment District – Notice and Assessments

Dear Mr. Splonskowski:

The Burleigh County Water Resource District has notified the residents associated with the Hogue Island Bank Stabilization Project on the Missouri River regarding a Public Hearing for creating a project to restore failed stabilization features to protect the identified area. Enclosed per our mailing to the residents, as well as in accordance with the NDCC, are the following documents:

- Letter to Residential Properties included in the assessment district
- Notice of Public Informational Meeting - ____ th at ____ pm
- Notice of Public Hearing – _____th at pm
- Special Assessment District Map
- Special Assessment District Breakdown
- Ballot for Project Voting – Submittal Deadline is _____th

In conclusion, it is anticipated there may be questions raised by residents you may be asked to address. If you have questions regarding the project, you may contact Manager Randy Binegar, the Board's project representative, or Michael Gunsch with Houston Engineering. The residents will be informed at the Public Hearing regarding the project timeline, costs, repayment period and related items.

Sincerely,

James Landenberger, Chairman
Burleigh County Water Resource District

C: BCWRD Board Members
David Bliss, Bliss Law Firm
Michael Gunsch, PE, CFM, Houston Engineering, Inc.

Hogue Island Bank Stabilization Project
MR 1321.89 to MR 1322.22
Official Ballot

As the owner of Burleigh County Parcel ID No. _____ we (I) have been informed regarding the need to construct a bank stabilization project to protect our rural residential properties located along the east bank of the Missouri River. This requires the need to generate sufficient funds to complete its construction. After having considered the project's benefit to our (my) properties and projected monetary assessment against our (my) properties, we (I) cast the following vote either for, or against, the assessment of said maintenance costs. We (I) understand that this written vote is based on one vote for each dollar of assessment to be levied against our (my) property.

___ I (we) cast our (my) votes **for** the creation of a special assessment district to construct this project.

___ I (we) cast our (my) votes **against** the creation of a special assessment district to construct this project.

The assessment will be applied over a twenty-year repayment period starting as early as the 2023 tax statement and will pass or fail based by a simple majority of the actual votes cast. If you fail to cast this ballot with the Secretary of the Burleigh County Water Resource District by 5:00 p.m. _____, 2023 your vote will not be counted.

Burleigh County Water Resource District
c/o Wendy Egli, Secretary
Hogue Island Back Stabilization Project Ballot
PO Box 1255
Bismarck, ND 58502-1255

If for some reason you are unable to deliver or mail this ballot in the time allotted, you are encouraged to contact Wendy Egli at 701-354-1501. Should you lose this ballot, a written letter either in favor or opposed to the project shall be considered adequate as long as it is received within the allotted time period. In addition, should you wish to rescind your vote you may do so, in writing only, at any time within the allotted time period. The Burleigh County Water Resource Board will review the vote totals on or before their September ___, 2023 meeting, and if favorable will proceed toward project design with construction occurring in 2023.

If you have questions, please contact Manager Randy Binegar, at 701-595-4947.

Signature of Owner

Date

Signature of Owner

Date

County of Burleigh

2024 Department Budget Request

Fiscal Year: 2023-2023

Print accounts with zero balance Round to whole dollars Account on new page

Exclude inactive accounts with zero balance

From Date: 1/1/2023

To Date: 12/31/2023

Definition: 2024 Budget Expense Worksheet

Account	Description	2021 Adopted Budget	2021 Actual	2022 Adopted Budget	2022 Actual	2023 Adopted Budget	2023 Actual	2024 Department Request
5201.49150.00609	CAPITAL OUTLAY	\$2,000	\$0	\$2,000	\$0	\$0	\$0	\$0 <u>1,014,000.00</u>
5201.49150.00999	TRANSFERS OUT	\$0	\$2,376	\$0	\$0	\$0	\$0	\$0 <u> </u>
DEPARTMENT: WATER RESOURCE DISTRICT - 49150		\$2,000	\$2,376	\$2,000	\$0	\$0	\$0	\$0 <u>1,014,000.00</u>

Note:
 Other income (McDowell Dam, Homestead Credit, etc.) will bring total operating income to \$1,093,300.00

2024 Water Resource Budget Request

Fiscal Year: 2024-2024

From Date: 1/1/2024

To Date: 12/31/2024

Account	Description	2022 Actual Amount	2023 Actual Jan-Apr	2024 Department Request <i>1.75 mil</i>
Income				
31110	Real Estate Tax	\$981,057	\$847,416	\$1,014,000
31810	In Lieu of Tax	\$457	\$445	\$500
33620	Homestead Credit	\$5,662		\$5,000
36110	Interest	\$280	\$119	\$300
36210	McDowell Dam Rec. Income	\$29,045		\$30,000
36215	McDowell Dam Lease	\$3,100		\$3,000
33610	State Aid Distribution	\$54,377	\$5,570	\$40,000
36910	Misc Revenue	\$604,137		\$500
Total Income		\$1,678,115	\$853,550	\$1,093,300
Non Budget Income				
34220	Operating Grants	\$3,478		
43810	Reimbursements	\$127,532	\$186,224	
44110	Operations & Maintenance			
Grand Total Income		\$1,809,125	\$1,039,774	\$1,093,300
Expenses				
111	Payroll Expenses	\$22,246	\$13,081	\$35,000
111A	Payroll Taxes	\$1,776	\$1,010	\$3,500
112	Management Services			
113	Accounting and Contract Services	\$22,984	\$8,695	\$32,000
114	Audit	\$17,950	\$0	\$18,000
312	Legal Fees	\$13,518	\$6,784	\$24,000
315	Engineering Administration	\$17,687	\$6,399	\$24,000
328	Liability Insurance	\$4,597		\$5,000
335	Building Rent	\$0		\$0
341	Travel	\$0		\$2,000
376	Dues & Publications	\$3,125	\$1,400	\$5,000
411	Office Supplies	\$2,756	\$1,063	\$3,000
904	McDowell Dam (BPRD)	\$264,132	\$57,965	\$327,500
905	McDowell Dam Capital Improvements	\$91,163	\$42,323	\$150,000
905A	Fresh Water Intake		\$6,568	\$100,000
910	Projects	\$27,097		\$98,300
910	Projects Fox Island Only			\$0
911	Misc			\$2,500
920	Continuing Education			\$2,500
932	City/County Watershed Planning			\$0
933	Missouri River General Services			\$15,000
937	Design/Special Assessment	\$31,130	\$67,225	\$200,000
940	Operations & Maintenance	\$108,107	\$3,375	\$20,000
941	Stream Gages	\$5,940		\$6,000
960	Drainage Complaints	\$5,050	\$3,095	\$20,000
970	Storm Water Management Plans			\$0
Total Expense		\$639,258	\$218,981	\$1,093,300
Non-Cash/Non-Budget Expenses:				
50115	Depreciation Expense			
50913	Interest Expense	\$35,230	17177.5	
Grand Total Expense		\$674,488	\$236,159	\$1,093,300
Net Income		\$1,134,637	\$803,615	\$0

PROPOSED BUDGET - 2024

5/24/2023

PRELIMINARY

Center: 12 - McDOWELL DAM

**2023
Budget**

**2024
Budget**

Revenue

RptClass: 46 - Fees & Charges

01.12.000.430125	CONCESSIONS - SALES	\$ 2,500	\$ 2,500
01.12.000.430500	BOAT RENTALS	\$ 20,000	\$ 20,000
01.12.000.460100	SHELTER PERMITS	\$ 4,000	\$ 4,000
RptClass: 47 - Special Revenue			
01.12.000.470200	GRANTS	\$ -	\$ -
TOTAL REVENUE		\$ 26,500	\$ 26,500

Expense

RptClass: 51 - Salaries & Wages

01.12.000.510100	FULL-TIME SALARIES	\$ 54,200	\$ 57,700
01.12.000.510200	PART-TIME SALARIES	\$ 63,000	\$ 70,000
01.12.000.510300	OVERTIME	\$ 500	\$ 500
01.12.000.510500	SICK LEAVE OVERAGE	\$ 1,000	\$ 1,000

RptClass: 52 - Contractual Services

01.12.000.520100	PROFESSIONAL SERVICES	\$ 1,500	\$ 1,500
01.12.000.520400	SANITARY SYSTEMS	\$ 1,200	\$ 1,200
01.12.000.520900	PKG LOTS,SNOW REM,TRAIL REPAIR	\$ 10,000	\$ 10,000

RptClass: 53 - Supplies/Operations

01.12.000.530100	SHOP SUPPLIES	\$ 500	\$ 500
01.12.000.530110	JANITORIAL SUPPLIES	\$ 1,200	\$ 1,200
01.12.000.530140	MISCELLANEOUS SUPPLIES	\$ 5,000	\$ 5,000
01.12.000.531300	FUEL	\$ 7,000	\$ 8,000
01.12.000.531400	REPAIRS & REPLACEMENT	\$ 26,000	\$ 26,000
01.12.000.531500	UNIFORMS	\$ 500	\$ 500
01.12.000.531600	CONCESSION PURCHASES	\$ 1,700	\$ 1,700
01.12.000.531700	TOOLS & SMALL EQUIP LESS \$500	\$ 2,000	\$ 2,000

RptClass: 54 - Utilities

01.12.000.540110	NATURAL GAS	\$ 2,500	\$ 2,500
01.12.000.540130	ELECTRICITY	\$ 7,000	\$ 7,000
01.12.000.540140	GARBAGE	\$ 3,000	\$ 2,000
01.12.000.540150	WATER	\$ 3,000	\$ 3,000
01.12.000.540160	TELEPHONE	\$ 2,500	\$ 3,000

RptClass: 55 - Insurance

01.12.000.550100	HEALTH INSURANCE	\$ 23,800	\$ 25,000
01.12.000.550200	WORKERS COMPENSATION	\$ -	\$ -
01.12.000.550300	UNEMPLOYMENT COMPENSATION	\$ 2,000	\$ 2,000
01.12.000.551400	GENERAL LIABILITY INSURANCE	\$ 1,000	\$ 1,000
01.12.000.551500	MULTI COVERAGE LIABILITY	\$ 500	\$ 500
01.12.000.551600	AUTO LIABILITY	\$ 600	\$ 600

RptClass: 56 - Capital Equipment

01.12.000.563200	EQUIPMENT OVER \$500	\$ 3,000	\$ 3,000
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RptClass: 57 - Capital Improvements

01.12.000.570100	BUILDING & BUILDING REMODELING	\$ 5,000	\$ 5,000
01.12.000.570800	CAPITAL OUTLAY	\$ 15,000	\$ 72,500

RptClass: 58 - Miscellaneous Charges

01.12.000.589900	REFUNDS	\$ 100	\$ 100
	EMPLOYER - FICA & MEDICARE	\$ 9,081	\$ 9,884
	PENSION	\$ 5,637	\$ 6,001
	ADMINISTRATIVE FEE	\$ 60,754	\$ 66,971

TOTAL EXPENSE \$ 319,772 \$ 396,856

REVENUES OVER/(UNDER) EXPENSES \$ (293,272) \$ (370,356)

NOTE: Does not include any Capital Improvements funded directly by Water Resource District.

McDowell Dam
Proposed Capital Improvement Plan 2023-2028

Introduction

There are three main categories of upgrades when considering the McDowell Dam Capital Improvement Plan (CIP):

- General improvement projects
- Equipment replacement and upgrades
- Addressing the accessibility audit findings

It is a staff recommendation that items from all three categories be considered each year to further improve all areas and aspects of the property on an annual basis.

General Improvement Projects

This list includes items to enhance the visitor experience in the park; from adding sand to the beach area to replacing the rental shack for future growth. The following projects are listed in priority order.

1. Sand for the beach **\$3,750 (1 inch) - \$22,275 (6 inches)**

The sand is currently below the surrounding landscape and needs to be replenished for the greatest enjoyment of the beach.

Sand is approximately \$34.00/yd delivered. There is approximately 35,000 SF of beach area. We need 110 yards per inch of sand we lay in place.

As an ongoing maintenance issue, it is necessary to play a little catch up by budgeting some additional funds over the next two years to address the loss of sand that has occurred at the beach over the years. Planning in 2024 and 2025 to purchase and install 3 inches of sand each year will get the beach back to an optimum level. Three inches of sand equals approximately \$12,000.

2. Playground by shelters 3 and 4 **\$120,000 – 160,000**

In 2015, BPRD staff created a draft playground plan to enhance the recreational opportunities around shelters 3 and 4. Recommend planning for a playground that is for 2-12 to provide for the largest audience. Also recommend planning for poured-in-place (PIP) rubber surfacing as the play surface.

While this material is more expensive on the front end it will last for many years with minimal maintenance and is more accessible than other surfacing options. PIP is placed once and does not require the raking and top dressing of the EWF and will not blow out in the future.

This project would rank well as a grant opportunity for local and state grant opportunities.

3. Rental Building **\$250,000 - \$350,000**

The existing concession building was built for a purpose and adjusted as the best possible for the varying uses it has now come to see. The building could use more ventilation to dry life jackets, improved concessions, improved access and storage, and better security.

Recommend hiring an architectural consultant to help program and create a design concept and project estimate for a new building.

This project would rank well as a grant opportunity for local and state grant opportunities.

4. Redesign the softball field \$30,000 - \$80,000

This project could take a lightly used area of the park to a destination location. One concept would be to regrade the field area to level it off, add bases and redesign it for a whiffleball or a kickball field. This could be a great opportunity to increase use of the north side of the park.

Recommend surveying the area and looking at options for modifications to improve the field.

5. Small shelter by the softball field with electricity \$50,000 - \$70,000

Adding a shade structure near a newly redesigned field area would be an opportunity to provide a reservable space for events in that area of the park. The structure could be a simple shelter (20' x 20') of a gazebo for weddings.

Shelter/ structure size would greatly depend on the programmed use.

6. Oversized chess game \$5,000

This seems to be popular with many resorts and parks down south. This can be accomplished with 2'x2' landscape pavers and plastic chess pieces. Cost would be minimal but upkeep because of lost and stolen pieces may be its downfall.

We would need to investigate materials for the board and where to source the chess pieces.

This project would happen after the new rental shack is completed as the chess pieces need a storage/rental space.

Proposed equipment and upgrades

This list includes items to enhance the park for maintenance and safety of the property for visitors. The following projects are listed in priority order.

1. Paddle boats are by far the most used rental equipment \$5,000/ea. 2 per year

McDowell Dam currently has four commercial paddle boats and is supplemented with six non-commercial. It's estimated that the lifespan for a commercial paddle boat is approximately 12 years, furthermore it's recommended that a fleet of 8 commercial paddle boats be planned for. Currently, the oldest paddle boat has just reached that age. Staff recommend beginning a replacement plan to have all new commercial paddle boats in place over the next four years. As paddleboats are purchased the oldest ones be replaced and once the fleet reaches 8 the non-commercial paddle boats be retired as well.

2. Park Security \$ TBD

A system of Wi-Fi enabled camera devices would both help manage the property for staff and aid law enforcement. After-hours visitors are a common occurrence. They are asked to leave once the park resident supervisor is made aware of their presence. Sometimes this is not possible as the resident is not always there. Installing a security gate that can be closed at night at the entrance would prevent vehicles from entering via the roadway.

Estimates are currently being secured.

3. New Tractor \$110,000

Currently the Bobcat tractor being used is taking the brunt of the work being done. The tractor with the grapple bucket and the backup tractor for raking the beach are both at the end of their lifespans.

Procuring a tractor with a three-point, grapple bucket and an 80-100 HP would both lessen our inventory of equipment and reduce what is expected of our current Bobcat tractor.

4. UTV vehicle

\$17,000

Currently there is no way to access any off-trail parts of the park in the summer (40-60 acres) and no way to access any part of the park beyond paved trails and roadways after any significant snowfall. Tree planting is an issue but more importantly if any issue would arise in the park beyond trails winter or summer would be challenging. Furthermore, if something of this nature was utilized here it would open cross-country skiing to the east half of Bismarck.

Above this cost, a grooming drag would be necessary to maintain ski trails.

Accessibility Audit

The accessibility audit is a comprehensive review of the park property for all items that do not meet the American with Disabilities Act Accessibility Guidelines (ADAAG). The list has a priority listing of 1 through 4, items listed with a 1 of high importance and 4 with lower importance but still need to be addressed. The audit needs to be reviewed in depth and a plan prepared to incorporate the larger items into the CIP so they can be addressed over the next 10 to 20 years.

The smaller and less costly items can be incorporated into the general budget with a majority of them being addressed by staff.

Proposed items for 2024 Budget

Chip Seal roadway and loop

\$50,000

As mentioned, the roadway and north loop were planned to be chip sealed in 2022, but due to volatile materials pricing it was recommended that we table that project to a later date. The project was not budgeted for in '23, it should be completed in '24.

Commercial Paddle boat

\$5,000 (each)

As identified, there is a need to update the fleet of commercial paddle boats. It is recommended that we budget for at least one paddle boat per year until they are all replaced.

Beach Sand

\$3,750/inch

As identified, there is a need to add sand to the beach area. We should consider at least 1 inch per year for the next few years, adding 6-8 inches to the current quantity would be a good start. Recommend planning for 3 inches of sand in 2024.

Burleigh County Highway Department
Estimate for Work Performed - 149th Avenue Outfall Maintenance
5/16/2023

	Quantity	Rate/hr	Subtotal	Quantity (hours)	Total
Employees	4	49.26	197.04	20	3,940.80
<hr/>					
Equipment					
A770 Bobcat	1	89.6	89.6	20	1,792.00
Freightliner Truck Tractor & Sid Dump Trailer	1	106.61	106.61	20	2,132.20
			<i>Equip/Labor Subtotal</i>		<i>7,865.00</i>

Material	Quantity (CY)	Unit Cost		
Rip Rap	30	255		7,650.00
			<i>Material Subtotal</i>	<i>7,650.00</i>

PROJECT TOTAL 15,515.00

bcwrd@midco.net

From: Buchwitz, Erin P. <ebuchwitz@nd.gov>
Sent: Tuesday, May 30, 2023 9:33 AM
To: bcwrd@midco.net
Subject: RE: Tom Baker Room

Hi Wendy,
I have changed your reservation in August from Aug 9th to August 8th.

From: bcwrd@midco.net <bcwrd@midco.net>
Sent: Tuesday, May 30, 2023 9:29 AM
To: Buchwitz, Erin P. <ebuchwitz@nd.gov>
Subject: Tom Baker Room

******* CAUTION:** This email originated from an outside source. Do not click links or open attachments unless you know they are safe. *********

Good Morning Erin,

Is the Tom Baker room available August 8th at 8am for the Burleigh County Water Resource District? We need to change our August meeting date.

Thank You,

Wendy Egli
Executive Secretary
Burleigh County Water Resource District
701-354-1501

**North Dakota
Water Resource
Districts Association**

JACK P. DWYER, EXECUTIVE SECRETARY
701-730-5469 (c) • jack@ndwaterlaw.com
P.O. Box 2254 • Bismarck, North Dakota 58502
701-223-4615 (o) • staff@ndwater.net

MEMO: May 1, 2023
TO: North Dakota Water Leaders
FROM: Dennis Reep, President
RE: 2023 Joint Summer Water Meeting

The 2023 North Dakota Water Resource Districts Association (NDWRDA) Summer Water Meeting is for scheduled **July 19-20 in Dickinson**. This event will be held in conjunction with the Garrison Diversion Conservancy District board and committee meetings at the Roosevelt Grand Dakota Hotel in Dickinson.

There will be a NDWRDA board meeting on July 20. The membership meeting for all water managers will be held on July 20, from 8-11 a.m. Some of the items that will be featured are an overview of the legislative session, discussion on managing recreational dams, updates on Missouri River activities, and an overview of audit requirements for water resource districts. The meetings fulfill water manager training requirements.

The NDWRDA has partnered with the ND Rural Water Systems Association for an afternoon session and social followed by dinner and the Medora musical.

A block of rooms has been reserved for July 19-20 with a negotiated room rate of \$109.00 plus tax per night. For reservations, call the Roosevelt Grand Hotel in Dickinson at 701-483-5600 and reference the ND Water Resource Districts Association room block. The room reservation deadline is **June 26**.

If you have any questions, contact Julie Ellingson at 701-223-4615 or jellingson@ndwater.net.

We hope that you will make plans to attend this informative event.

2023 Joint Summer Water Meeting and Executive Briefing

Roosevelt Grand Dakota Hotel, Dickinson, N.D.

July 19-20, 2023

(All times are Mountain Time)

WEDNESDAY, JULY 19

- 7:30 a.m. Garrison Diversion Conservancy District's Public Relations Committee Meeting, *Freedom Hall*
- 8:30 a.m. Garrison Diversion Conservancy District's Engineering & Operations Committee Meeting, *Freedom Hall*
- 10:00 a.m. - Garrison Diversion Conservancy District's Board of Directors Meeting, *Ballroom*
- 4:30 p.m.
- 4:30 p.m. - Registration, *Lobby*
- 5:30 p.m.
- 6:00 p.m. - N.D. Water Users Association Board of Directors Meeting, *Ballroom*
- 8:00 p.m.

THURSDAY, JULY 20

- 7:00 a.m. Breakfast, *Freedom Hall*
- 7:00 a.m. - Registration, *Lobby*
- 12:30 p.m.
- 7:00 a.m. N.D. Water Resource Districts Association Board of Directors Meeting, *Legends Hall*
- 8:00 a.m. - N.D. Water Resource Districts Association Membership Meeting, *Ballroom*
- 11:00 a.m. • *Legislative Update*: Jack Dwyer, N.D. Water Resource Districts Association and Dani Quissell, N.D. Water Users Association
- *Managing Recreation Dams*: Rick Seifert, Bowman County WRD and Tim Nilsen, Morton County Parks Director
- *Educating, Advocating, and Engaging on the Missouri River*: Ken Royse, Program Manager, Missouri River Joint Water Board
- *Audit Requirements for Water Resource Districts*: Daniel Cox, North Dakota State Auditor's Office
- 11:00 a.m. - • *101 on Teaching Water*: Tina Harding Iken, North Dakota Project WET Coordinator/Water Education Resource Manager, *Ballroom*
- Noon Lunch, *Ballroom*
- Noon -
- 1:15 p.m.
- 1:30 p.m. Load bus for Medora, *Lobby*
- 2:30 p.m. - Speakers/Social at Medora Community Center joint with Rural Water group
- 5:00 p.m. • *Welcome* - President Teddy Roosevelt
- *Catalyzing Rural Community Development*: Megan Langley, Strengthen North Dakota
- 5:30 p.m. Pitchfork Fondue
- 7:30 p.m. Medora Musical

2023 Joint Summer Water Meeting and Executive Briefing

N.D. Water Resource Districts Association • Garrison Diversion Conservancy District

July 20, 2023

Roosevelt Grand Dakota Hotel, Dickinson, ND

ADVANCE REGISTRATION FORM

Please pre-register by July 1 if you and any guests plan on attending this meeting, Medora musical and/or meals. On-site registrations ARE NOT included in the guaranteed counts to the hotel, motorcoach and caterers. While every effort is made to accommodate all attendees, we cannot guarantee that on-site registrations (including additions for guests to events or meals) will be able to participate in the meals or pitchfork fondue/Medora musical.

Name(s) _____

Representing _____ E-mail _____

Address _____

City _____ State _____ Zip _____ Phone _____

<u>#</u>	<u>Cost</u>	<u>Total</u>
_____	\$300	Registration includes speakers, and breaks plus all meals. <i>ONE pitchfork fondue ticket, and ONE Medora Musical ticket.</i>
_____	\$175	Registration Only - includes speakers and panels. <i>DOES NOT INCLUDE MEALS OR MEDORA MUSICAL TICKET.</i>

Additional Guest Tickets:

- _____ \$16 Additional persons for Thursday breakfast (spouses and guests)
- _____ \$20 Additional persons for Thursday luncheon (spouses and guests)
- _____ \$90 Additional persons for Thursday Pitchfork Fondue & Medora Musical (spouses and guests)

Pitchfork Fondue Meal Options (*One option must be picked and meal can't be changed after July 1*):

___ Steak ___ Hot dog

TOTAL \$ _____ Send completed form and check to:

North Dakota Water Resource Districts Association
PO Box 2254
Bismarck, ND 58502-2254

Hotel Reservations: A block of rooms has been reserved for July 19-20 with a negotiated room rate of \$109.00 plus tax per night. For reservations, call the Roosevelt Grand Dakota Hotel in Dickinson at 701-483-5600 and reference the ND Water Resource Districts Association room block. The room reservation deadline is **June 26**.

Registration Cancellation Policy: A **\$80 administrative fee** will be charged on all requests for registration refunds received before July 1. There will be no refunds for cancellations received after **July 1**.

Tuesday, August 1, 2023

North Dakota Water Tour

(Sponsored by the North Dakota Water Users Association)

All Day

The tour will depart from the Rough Rider Hotel and is expected to include stops at the Southwest Pipeline Project (a regional water supplier for southwest North Dakota), Lake Sakakawea (the lake formed by the Garrison Dam; likely a lunch spot with a possible stop to see an intake for a regional water system), a biodiesel refinery, and an ethanol plant / carbon sequestration facility.

Wednesday, August 2, 2023

7:30am – 4:00pm

MCC

Conference Registration

8:00 – 9:30 am

MCC – Roosevelt
Room

Irrigation Caucus Breakfast Meeting

8:00 – 9:30 am

MCC – DeMores
Hall Room 1a

Municipal Caucus Breakfast Meeting

8:00 – 9:30 am

MCC – DeMores
Hall Room 1b

Groundwater Caucus Breakfast Meeting

9:30 – 10:30 am

MCC – DeMores
Hall Room 1a

NWRA Awards Committee Meeting

10:30 – 11:30 am

MCC – DeMores Hall Room 1b Bylaws Committee Meeting

11:30am – 1:00 pm Lunch (on your own)

1:00 – 2:30 pm

MCC – DeMores Hall Room 1a Budget and Finance Committee Meeting

2:30 – 3:00 pm

MCC – DeMores Hall Room 1b Nominations Committee Meeting

3:00 – 4:00 pm

MCC – DeMores Hall Room 1a Policy Development Committee Meeting

4:00 – 5:00 pm

MCC – Roosevelt Room NWRA Board of Directors Meeting

5:30 – 6:30 pm

Schafer Center Patio Welcome Reception

Thursday, August 3, 2023

8:00 am – 4:00 pm Registration in Rough Rider Hotel Lobby

8:30 – 10:00 am
Rough Rider Hotel General Session

10:00 – 10:30 am Networking Break

10am – 11:45 am
Rough Rider Hotel General Session

12:00 – 1:30 pm
Townsquare Showhall & Patio Lunch (Speaker)

2:00 – 3:45 pm
Rough Rider Hotel General Session

4:45 pm
Rough Rider Hotel Ground Transportation Departs for Reception, BBQ, & Entertainment

5:00 – 7:15 pm
Tjaden Terrace NWRA Western Reception and Family BBQ – Pitchfork Steak Fondue (off-site location)

7:30 – 9:00 pm
Burning Hill Amphitheatre NWRA Western Live Entertainment – Medora Musical (off-site location)

June 2023 Bills

Name	Project	Invoice	Amount
Bliss Law Firm	Hoge Island	419	\$ 2,051.00
Bliss Law Firm	General - Meeting Attendance and prep May	419	\$ 1,238.40
Bliss Law Firm	Sibley Island	419	\$ 117.20
Bliss Law Firm	McDowell Dam	419	\$ 146.50
Bliss Law Firm	Drainage Complaints	419	\$ 1,640.80
County of Burleigh	Brookfield Estates	230251	\$ 1,595.37
County of Burleigh	Country Creek 3rd	230251	\$ 179.75
Fronteer Professional Services	Presort - April	3244	\$ 52.65
Fronteer Professional Services	May Admin	3259	\$ 2,165.00
Fronteer Professional Services	May Audit Work outside scope of agreement	3260	\$ 276.25
Houston Engineering	Apple-McDowell Water Supply Diversion	65448	\$ 4,251.50
Houston Engineering	McDowell Dam Recreation Area	65452	\$ 1,935.00
Houston Engineering	General Administration	65454	\$ 1,235.00
Houston Engineering	Burnt Creek Floodway Rehabilitation and O&M	65453	\$ 1,046.25
	Total		\$ 17,930.67

Bliss Law Firm, LLC
400 East Broadway, Suite 308
Bismarck, ND 58501

Burleigh County Water Resource District
PO Box 1255
Bismarck, ND 58502-1255

June 7, 2023

Invoice #419

Professional Services

	<u>Hrs/Rate</u>	<u>Amount</u>
5/3/2023 (910B) Receipt and review of email from Dennis with regard to Hogue Island petition and resolution documents; review drafts with Houston Engineering Mike Gunsch; discuss status with Mike Gunsch of Department of Water Resources and COE entities related to the proposed Hogue Island assessment district; follow-up email to Dennis with regard to status of case.	1.40 293.00/hr	410.20
5/4/2023 (910B) Review Section 32 agreement between the District and the State Water Commission.	1.00 293.00/hr	293.00
(960-2) Review file; receipt and review of email correspondence with Mike Gunsch with regard to watercourse and waterway definitions; review State Water Commission Attorney Jen Verlager's post-hearing brief with regard to watercourse definition and discussion; follow-up email, telephone call to Mike Gunsch with regard to the same.	1.00 293.00/hr	293.00
(960-2) Follow-up telephone call to Mike Gunsch with regard to how Board policy may relate to the handling of the Fettig complaint; discussion of respective definitions of watercourse and waterway; discuss Board direction with regard to the same.	0.80 293.00/hr	234.40
5/5/2023 (960-2) Receipt and review of email from Mike Gunsch with regard to watercourse-related matters and definitions; reply to the same.	0.40 293.00/hr	117.20
5/8/2023 (312) Receipt and review of agenda book for May, 2023 meeting; review email correspondence therein.	0.40 293.00/hr	117.20
(312) Receipt and review of email from Chairman Landenberger with regard to Misty Waters matters; reply to the same; correspondence from Mike Gunsch with regard to drain complaint matters.	0.40 293.00/hr	117.20

	<u>Hrs/Rate</u>	<u>Amount</u>
5/9/2023 (960-2) Telephone call from Chairman Landenberger with regard to Iverson complaint.	0.80 293.00/hr	234.40
5/10/2023 (312) Prepare for Board meeting; attend Board meeting.		1,000.00
(910 B) Conference with Travis Johnson, Mike Gunsch with regard to the proposed assessment district.	0.50 293.00/hr	146.50
(960-2) Conference call with Travis Johnson and Mike Gunsch, discussion of elements of watercourse and structures thereto.	0.80 293.00/hr	234.40
5/12/2023 (910 B) Review file; follow-up telephone call to Mike Gunsch with regard to meeting testimony with regard to Fettig complaint, status of determination.	0.40 293.00/hr	117.20
5/15/2023 (910 B) Review of Hogue Island email trail among Board members, landowners, and Houston Engineering; follow-up telephone call to Mike Gunsch with regard to certain landowner participation and proposed assessment district.	0.50 293.00/hr	146.50
5/17/2023 (910 B) Receipt and review of proposed Resolution Number 1, proposed petition by landowners; follow-up telephone call to Mike Gunsch with regard to the same; legal research with regard to the same; forward my comments to Dennis and James with regard to the same.	1.40 293.00/hr	410.20
5/25/2023 (960-2) Review file; follow-up telephone call to Mike Gunsch with regard to status of Fettig/Iverson drain complaint.	0.40 293.00/hr	117.20
(910 J) Review file; follow-up telephone call to Mike Gunsch with regard to status of potential Sibley Island assessment district.	0.40 293.00/hr	117.20
(910 B) Review Hogue Island email correspondence/thread; review landowner communications with regard to the same; follow-up telephone call to Mike Gunsch with regard to status of the proposed assessment district.	0.50 293.00/hr	146.50
(904) Review proposed pipeline location issues; review email thread with regard to the same; follow-up telephone call to Chairman Landenberger with regard to the status of easement-related properties adjacent to or near McDowell Dam pipeline project.	0.50 293.00/hr	146.50
(960-2) Review file; follow-up telephone call to Mike Gunsch regarding further Fettig/Iverson information as it becomes available.	0.40 293.00/hr	117.20
5/28/2023 (910 B) Conference call with Chairman Landenberger and Mike Gunsch with regard to Hogue Island issues prior to the June, 2023 Board meeting.	0.80 293.00/hr	234.40
5/30/2023 (910 B) Review latest landowner information and communications, Houston Engineering communications; follow-up telephone call to Mike Gunsch with regard to upcoming June, 2023 meeting, potential state and federal representative at such meeting.	0.50 293.00/hr	146.50

	<u>Hrs/Rate</u>	<u>Amount</u>
6/2/2023 (960-2) Review email trail with regard to the Fettig/Iverson drain complaint matters; review statutory definitions of watercourse and waterways; legal research with regard to the same.	1.00 293.00/hr	293.00
For professional services rendered	<u>14.30</u>	<u>\$5,189.90</u>
Additional Charges :		
6/6/2023 Copying costs.		4.00
Total additional charges		<u>\$4.00</u>
Total amount of this bill		<u>\$5,193.90</u>
Previous balance		\$2,289.20
Accounts receivable transactions		
5/15/2023 Payment - Thank You.. Check No. 2122		<u>(\$2,289.20)</u>
Total payments and adjustments		<u>(\$2,289.20)</u>
Balance due		<u><u>\$5,193.90</u></u>

Payment in full must be made within 30 days of the date of this bill. Past due amounts will incur an additional 1.5% monthly fee.

INVOICE

County of Burleigh
PO Box 5518
221 N 5th Street
Bismarck, ND 58506-5518

Invoice Date	Invoice Number	Rev.
05/12/2023	230251	0
Customer P.O. Number		
Reference		

Questions ? Please See Phone Number Below (701) 222-6718

Bill To :

BURLEIGH COUNTY WATER RESOURCE DISTRICT
PO Box 1255
BISMARCK, ND 58502

When you provide a check as payment, you authorize us either to use information from your check to make a one-time electronic funds transfer from your account or to process the payment as a check transaction. When we use information from your check to make an electronic funds transfer, funds may be withdrawn from your account as soon as the same day we receive your payment and you will not receive your check back from your financial institution.

Attn: Accounts, Payable

Phone: Fax:

Project: Hwy Dept.
(701)204-7748

Qty	Unit	Product#	Description	Unit Price	Extended	Tax	Freight
1.00	EA		Project #23029 - Brookfield Estates Drainage Ditch Snow Clean-out - per attached documentation	1,595.3700	1,595.37	0.00	0.00
1.00	EA		Project #23030 - Country Creek 3rd Drainage Ditch Snow Clean-out - per attached documentation	179.7500	179.75	0.00	0.00

NOTES:

Sub-Total:	1,775.12
Freight:	0.00
Tax:	0.00
Total Amount:	1,775.12

ORIGINAL

Project Invoice

Water Management Board

23029

Water Resource District - Brookfield Estates Drainage Ditch Snow Clean-out

3/1/2023 - 4/30/2023

Location/Address	Material/Inventory	Quantity	Unit	Cost	Pit	Total
						\$0.00

Equipment

Usage	Rate	Total
1702.8393 - 10 Case 621E Loader	70.57	\$493.99
2794 - Tenco Snowblower	108.08	\$756.56
		\$1,250.55

Labor

Hours	Rate	Total
002 Plow Snow/Sanding	49.26	\$344.82
		\$344.82

Total Due	\$1,595.37
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Project Invoice

Water Management Board

23030

Water Resource District - Country Creek 3rd Drainage Ditch Snow Clean-out

3/1/2023 - 4/30/2023

Location/Address	Material/Inventory	Quantity	Unit	Cost	Pit	Total
						\$0.00

Equipment

Usage	Rate	Total
1702.8393 - 10 Case 621E Loader	70.57	\$105.86
		\$105.86

Labor

Hours	Rate	Total
002 Plow Snow/Sanding	49.26	\$73.89
		\$73.89

Total Due	\$179.75
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Fronteer Professional Services Inc
 4007 State Street, Ste 20
 Bismarck, ND 58503

Date: April 30, 2023
 Invoice #: 0000003244
 Terms: Net

Burleigh Co. Water Resource District
 Bismarck, ND

Total Due: \$52.65

Detach And Return With Payment

Fronteer Professional Services Inc 4007 State Street, Ste 20, Bismarck, ND 58503

Description	Amount	Total
April Presort Charges	\$52.65	\$52.65
Total:		\$52.65

Thank you for your business!



Fronteer Professional Services Inc
4007 State Street, Ste 20
Bismarck, ND 58503

Date: May 31, 2023
Invoice #: 0000003259
Terms: Net

Burleigh Co. Water Resource District

Bismarck, ND

Total Due: \$2,165.00

Detach And Return With Payment

Fronteer Professional Services Inc 4007 State Street, Ste 20, Bismarck, ND 58503

Description	Amount	Total
Monthly Administrative Fee - per agreement	\$2,110.00	\$2,110.00
Terminal Server Fees	\$55.00	\$55.00
	Total:	\$2,165.00

Thank you for your business!



Fronteer Professional Services Inc
 4007 State Street, Ste 20
 Bismarck, ND 58503

Date: May 31, 2023
 Invoice #: 0000003260
 Terms: Net

Burleigh Co. Water Resource District
 Bismarck, ND

Total Due: \$276.25

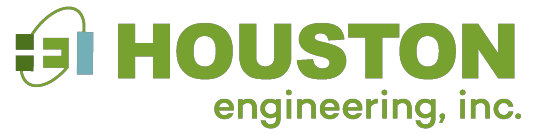
Detach And Return With Payment

Fronteer Professional Services Inc 4007 State Street, Ste 20, Bismarck, ND 58503

Description	Amount	Total
May Audit Work outside scope of agreement 3.25 hrs	\$276.25	\$276.25
Total:		\$276.25

Thank you for your business!

INVOICE

**Remit to:**

1401 21st Ave N, Fargo, ND 58102

Phone: 701.237.5065

Fed Tax ID: 45-0314557

Interest of 1%/month applied to past due invoices

Burleigh County Water Resource District

PO Box 1255

Bismarck, ND 58502-1255

Invoice Number: 65448

Date: June 09, 2023

Project Number: R001032-0200

Apple-McDowell Water Supply Diversion**For Professional Services Rendered Through: June 03, 2023**

BCWRD Account No.: 905 - Capital Improvements

See attached Project Status Report and Invoice Description.

003 - Preliminary Design**Professional Services**

	Hours	Rate	Amount
Engineer 10	4.50	215.00	\$967.50
	4.50		\$967.50

003 - Preliminary Design Total:**\$967.50****004 - Easement Acquisition****Professional Services**

	Hours	Rate	Amount
Engineer 10	14.00	215.00	\$3,010.00
Engineer 12	1.00	235.00	\$235.00
Technician 7	.25	156.00	\$39.00
	15.25		\$3,284.00

004 - Easement Acquisition Total:**\$3,284.00****Invoice Total****\$4,251.50****Outstanding Invoices**

Invoice Number	Invoice Date	0 - 30	31 - 60	61-90	Over 90	Balance
64974	5/5/2023	\$4,986.25				\$4,986.25
Total Prior Billing		\$4,986.25				\$4,986.25



Project Status and Invoice Description

3712 Lockport Street
Bismarck, ND 58503
Phone: 701-323-0200
Fax: 701-323-0300

HEI Project No.: 1032-0200
BCWRD Account No. 905
Project Name: Apple-McDowell Water Supply Diversion

Billing Period: *May 1, 2023 through June 3, 2023*

Professional engineering and surveying services related to Preliminary Design and Easement Acquisition for the Apple-McDowell Water Supply Diversion Project including, but not limited to the following:

- Updates to plan set with minor changes due to routing per County Highway department discussions and landowner preferences.
- Drawing up proposed pipe alignment based on future county right of way alignment and updated plan sheets.
- Working to contact last remaining landowner to discuss easement and pipe alignment.
- Updated Board on pipe alignment and status and progress with landowner contact and easement acquisition.
- Communication with landowners to coordinate easement acquisition and update on status. Drafting permission to survey forms and providing to landowner for review.
- Meeting with landowner to go over final routing, easement extents, lot purchase and to sign survey permission form.
- Meeting on site to review routing, easement extents, and location of intake.

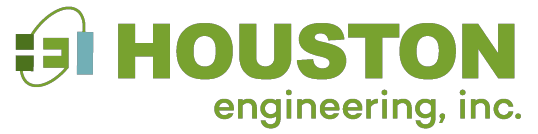
Comments:

- Original Outdoor Heritage Fund grant request was not approved due to lack of secured easements for this project. BCWRD has directed HEI to begin work to draft up and secure easements.
- BCWRD has elected to hold off on submitting the OHF grant application until easements are secured or agreements are in hand for easements.
- Crafting of easement documents requires the pipeline route and location of project structures to be identified, so preliminary design work is being conducted to establish location of project features.
- Zeller property required additional research and owner has been contacted, negotiations are ongoing for all easements. Looking at alternatives to avoid one landowner who was not interested in providing an easement, the alternatives appear promising with a willing landowner contacted.

See accompanying invoice and cost summary for personnel cost breakdown.

Phase (003) Preliminary Design	\$ 967.50
Phase (004) Easement Acquisition	\$ 3,284.00
Total Invoice:	\$ 4,251.50

INVOICE

**Remit to:**

1401 21st Ave N, Fargo, ND 58102

Phone: 701.237.5065

Fed Tax ID: 45-0314557

Interest of 1%/month applied to past due invoices

Burleigh County Water Resource District

PO Box 1255

Bismarck, ND 58502-1255

Invoice Number: 65452

Date: June 09, 2023

Project Number: R081032-0100

McDowell Dam Recreation Area**For Professional Services Rendered Through: June 03, 2023**

BCWRD Account No.: 905

See attached Project Status Report and Invoice Description.

Professional Services

	Hours	Rate	Amount
Engineer 10	9.00	215.00	\$1,935.00
	9.00		\$1,935.00

Invoice Total \$1,935.00**Outstanding Invoices**

Invoice Number	Invoice Date	0 - 30	31 - 60	61-90	Over 90	Balance
64972	5/5/2023	\$1,815.50				\$1,815.50
Total Prior Billing		\$1,815.50				\$1,815.50



Project Status and Invoice Description

3712 Lockport Street
Bismarck, ND 58503
Phone: 701-323-0200
Fax: 701-323-0300

HEI Project No.:	1032-0100: McDowell Dam Recreation Area
BCWRD Account No.	905
Project Name:	McDowell Dam Recreation Area

Billing Period: *May 1, 2023 through June 3, 2023*

Professional engineering and surveying services related to activities and issues addressed at the request and direction of the BCWRD during this billing period, including time associated with, but not limited to the following:

- Meeting at McDowell Dam to review items from NRCS inspection and coordinate corrective measures
- Contacting NRCS to inform them of response to NRCS inspection and discuss item of disagreement.
- Noting additional area of erosion and discussion of need for repair.

Comments:

- The work on the EAP update is complete with new ownership changes, names and contact information.
- The work on the O&M Manual update is complete with new project information, contracts, record drawings and inspection reports included as appendix items. **This information has been transmitted digitally to those who hold copies of these documents.**
- NRCS inspection has been reviewed and items of note are being addressed. One item noted removal of existing threatened rods on flashboards, but NRCS has been contacted regarding this item and informed that we disagree with their recommendation to remove. Upon agreement to monitor and remove debris when present, NRCS has concurred that they can remain.

See accompanying invoice and cost summary for personnel cost breakdown.

Total Invoice \$ 1,935.00

INVOICE



Remit to:

1401 21st Ave N, Fargo, ND 58102
Phone: 701.237.5065
Fed Tax ID: 45-0314557

Interest of 1%/month applied to past due invoices

Burleigh County Water Resource District

PO Box 1255
Bismarck, ND 58502-1255

Invoice Number: 65453
Date: June 09, 2023
Project Number: R084241-0300

Burnt Creek Floodway Rehabilitation and O&M

For Professional Services Rendered Through: June 03, 2023

BCWRD Account No. 940 - Shared Projects

See Attached Project Status Report and Invoice Description.

000 - Burnt Creek Floodway Rehabilitation and O&M

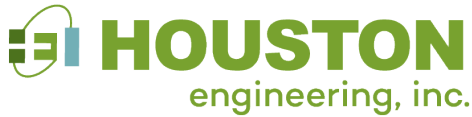
Professional Services

	Hours	Rate	Amount
Engineer 10	3.50	215.00	\$752.50
Engineer 12	1.25	235.00	\$293.75
	4.75		\$1,046.25
000 - Burnt Creek Floodway Rehabilitation and O&M Total:			\$1,046.25

Invoice Total \$1,046.25

Outstanding Invoices

Invoice Number	Invoice Date	0 - 30	31 - 60	61-90	Over 90	Balance
Total Prior Billing						



Project Status and Invoice Description

3712 Lockport Street
Bismarck, ND 58503
Phone: 701-323-0200
Fax: 701-323-0300

HEI Project No.:	4241-0300
BCWRD Account No.	940 – Burnt Creek Rehabilitation O&M Assessment
Project Name:	Burnt Creek Flood Control Project

Billing Period: *April 2, 2023 through June 3, 2023*

The following professional engineering and surveying services were provided on the Burnt Creek Flood Control Project.

Phase (000) Floodway Rehabilitation and O&M

- Contacts and an onsite visit with MDU regarding the installation of utilities under the Burnt Creek Floodway
- Depth and design considerations for potential boring operations and siting were specifically requested to be provided in a design drawing so we can evaluate risks.

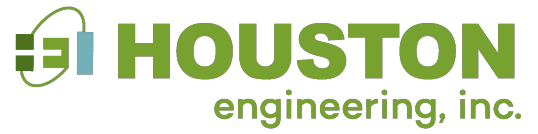
Comments/Issues/Problems:

- Discussions with MDU regarding their utility installation and crossing will continue and after review of their plans, approval can be authorized with construction anticipated this fall. We recommend monitoring the installation.

<u>Phase (000) Floodway Rehabilitation and O&M</u>	<u>\$ 1,046.25</u>
<u>Total Invoice</u>	<u>\$ 1,046.25</u>

See accompanying invoice for personnel cost breakdown.

INVOICE

**Remit to:**

1401 21st Ave N, Fargo, ND 58102

Phone: 701.237.5065

Fed Tax ID: 45-0314557

Interest of 1%/month applied to past due invoices

Burleigh County Water Resource District

PO Box 1255

Bismarck, ND 58502-1255

Invoice Number: 65454

Date: June 09, 2023

Project Number: R084241-0000

BCWRD - General Engineering Services**For Professional Services Rendered Through: June 03, 2023**

Email Invoices: BCWRD@midco.net & dwrburleighwrd@gmail.com

BCWRD Project No.: 315 - Engineering Administration

See attached Project Status Report and Invoice Description.

Fee Services**000 - Burleigh Co. WRD - General****Burleigh Co. WRD - General Lump Sum Total: \$1,000.00****007 - General Services - Hourly****Professional Services**

	Hours	Rate	Amount
Engineer 12	1.00	235.00	\$235.00
	1.00		\$235.00

007 - General Services - Hourly Total: \$235.00**Invoice Total \$1,235.00****Outstanding Invoices**

Invoice Number	Invoice Date	0 - 30	31 - 60	61-90	Over 90	Balance
64970	5/5/2023	\$1,352.50				\$1,352.50
Total Prior Billing		\$1,352.50				\$1,352.50



Project Status and Invoice Description

3712 Lockport Street
Bismarck, ND 58503
Phone: 701-323-0200
Fax: 701-323-0300

HEI Project No.: 4241-0000: BCWRD General Services
BCWRD Account No. 315 – Engineering Administration
Project Name: General Engineering Services

Billing Period: *April 30, 2023 through June 3, 2023*

Professional engineering administrative services related to routine monthly activities and issues addressed at the request and direction of the BCWRD during this billing period, including time associated with, but not limited to the following:

- **May Board Meeting**
- Meeting preparation and discussion, rescheduling
- Review minutes and provide agenda updates
- Various BCWRD issues, contacts, and calls
- Assistance with Budget Project Projections

Comments:

- This invoice is for Board meeting related time along with limited small contact and coordination items that are not project related. In accordance with Board direction, all costs associated with drainage complaints, stormwater plan review, and other project related activities are invoiced to assigned project numbers.
- The hourly services this month are related to assistance and review of project budget projections on what might be required.

General Services	\$ 1,000.00
<u>Hourly Services</u>	<u>\$ 235.00</u>
Total	\$ 1,235.00