BURLEIGH COUNTY WATER RESOURCE DISTRICT AGENDA

Tuesday, July 14, 2015

Tom Baker Meeting Room – City County Building

8 a.m. - Call to Order

1. Roll Call (Fleck, Weixel, Reep, Larson, Detwiller)

2. **Approval of Minutes of (6/9/15)** **3-8**

3. **McDowell Dam**
   - Low Level Drawdown – (Mike)
     - Viet Construction Proposal – see information 9-22
   - Water Permit Application (Mike) – Date for final comments was July 8, 2015
   - Mr. Aberle Appraisal (Gordon) - Pending
   - Strategic Plan Update – On hold pending appraisal process (Gordon)
   - Bismarck Parks & Rec Bill/pension and benefits 23-25
   - USDA (Dennis) 26
   - NRCS Dam Inspection report 27-29
   - Grant Application 30-31
   - Quarterly Report 32-37

4. **County Engineer Items**
   - Missouri River Correctional Center Flood Control Project
     - Vote Summary – June 19th 38-41
     - **Notice and Order – Public Hearing on Assessments (August or September)**
       - **Legal Notice 42**
       - **Notice of Order and Hearing on Special Assessments for MRCC 43**
       - **Order 44**
       - **Letter to Residents on Assessment Hearing 45**
       - **Resolution regarding the Assessment Vote 46**
     - Request meeting with State Water Commission Staff on funding disbursement process
   - Country Creek 3rd Channel Project
     - Large Rainfall Events – Erosion Control and Site Issues
     - Final Plats – need to be recorded to create assessment list and levee assessments this fall
   - Country Creek 2nd – Runnel Road and Brook Loop – Roadway overtopping and flood issues

5. **Comments from Members of the Public**

6. Financial Reports
   - End of June 47-49
   - Audit/future audits – on hold (Gordon/Mona)
   - Budget preparation (Mike, Greg, Gordon, Commissioner Jones) 50-52
   - Security Pledge 53-54

7. **Approval of Bills – $88,058.17 without Bohlman Request 55**
   - **With Pay Request $161,963.38 (pages 116-120)**

8. Drainage Permits/Complaints/Issues
   - Bismarck Airport Drainage Permit – Update on Phase II (Mike, Dennis)
     - Modeling deficiencies – response to KLJ and City of Bismarck
     - Apple Creek Industrial Park Storm Water Management Plan – FAA Response Letter 56-60
   - Spier/Leuwer/UTTC – Follow up with City on meeting & ordinance revisions
   - Apple Creek - Letter to dismiss (Mike) 61
   - Wagner/Basaraba Complaint - Letter to Dismiss (Dennis – Mike) 62-73
   - TJ Murphy Complaint (email) – Letter on flooding and re-evaluation of previous complaint 74-106
   - Damlo complaint – Brook Loop 107-113

9. Projects
    - Hogue Island (FM #39)
        - Email/Letter to State Water Commission (Mike/Rick/Dave)
        - Determination on top soil/trespassing (Rick)
        - Staking of properties (Mike) 114-115
        - Proposal from Travis on mowing (Mike/Rick)
        - Weed spraying – done – invoice with bills (Rick)
        - Property disposition alternatives – Landowner Discussions
    - Burnt Creek Flood Control Project (FM #7)
        - Project update (Dennis/Mike)
        - **Pay Request #2 Bohlman 116-120**
        - ND Health Department letter 121
        - Letter to downstream landowners notifying of project update (Mike) 122
        - Email on sluice gates 123-126
        - Bonding and Fund Reimbursements
    - Missouri River USGS Geomorphology Study - Letter to State Engineer
    - Fox Island (Greg)

10. Storm Water Management

11. Break

Other Old Business

- Removal of items in storage room – June 11th (Mona, Dave & Michael) – Remaining items - ? storage
- Policy Manual – Preliminary Draft Update (Michael, Dave, Mona)
- Missouri River Easement Documentation and Mapping of Hogue Island (Michael)
- Dakota Community Access TV – start in September

12. New Business
    - Line of credit through bank

13. Correspondence or Document Information
    - Application for Surface Drain No. 4678 127-135
    - NDDOT Project No. SS-01-014(006)021 – Pavement Overlay near Wing 136-138
    - NDDOT Project No. SS-1-014(007)033 – Roadway improvement on ND 14 to Junction 200 139-141
    - SWC Permit No. ND2015-16800 –Apple Creek 142-143
    - SWC Water Permit Application No. 6071 144-155
    - Plats & SWMP – Emailed – will be brought to meeting due to size of some (Comments on Plats)
        - Skylark Avenue Workshop SWMP
        - Bismarck Livestock Market – Revised SWMP
        - The Ridge at Hawktree Third Subdivision – Resubmitted City Plat
        - The Ridge at Hawktree Third Subdivision – Revised SWMP
        - Bismarck Livestock Market – Revised SWMP

14. Detailed Bills 156

15. Next Meeting: Tuesday, August 11th

16. Adjourn

Note: Bold Items Require Board Action

BCWRD Meeting Minutes
May 26, 2015 – City County Building
Draft – not approved yet

Agenda Items	Discussion	Board Action	Responsible Party	Due Date
Present: Terry Fleck, Dennis Reep, Greg Larson, Rick Detwiller, Dave Bliss, Bliss & Stebbins Law Firm, Michael Gunsch, Houston Engineering, Inc.; Kathleen Jones, Burleigh County Commissioner and Mona Livdahl, Personalized Management Services, Inc. **Others Present:** Greg Smith and David Robinson, Bismarck Parks & Recreation District; Kathy Odegaard, Clete Burbach, Karen Hogue, Lynn Mills, Bill Mitzel, Constance Hofland and Craig Johnson - Hogue Island Residents. **Call to order:** Chairman Fleck called the meeting to order at 8:00 a.m. noting a quorum was present.				
5/26/15 Minutes		**Greg moved to approve the 5-26-15 minutes, Rick seconded. Motion Carried.**	N/A	N/A
McDowell Dam				
Low Level drawdown	Michael has a call into Veit Construction, but has not received a call back.		Gordon, Michael	**Spring, 2015**
Water Permit Application	The State Engineer sent out a letter to the one individual who commented. Noted the recommendation was to approve both permits.	**Comment period 30 days**		July, 2015
NRCS Dam Assessment	Dennis noted the assessment was done and handed in to NRCS. McDowell Dam is now classified as a medium hazard. To bring it up to standards it was recommended to replace the emergency spillway with a structural spillway and raise the dam by 2.3 feet. Cost would be approx. 3.5 million.	**Project will be placed in the National Funding pool for NRCS.**	Dennis - HDR	Completed
Letter to landowner to discuss land purchase buffer.	Michael noted Wade Bachmeier from Century 21 Landmark and the appraiser are working on it, have not heard anything yet.		Gordon/Michael	
Strategic Plan	On hold until all other aspects are in place.	**Tabled for now – leave on agenda.**	Gordon, Michael & Craig	

Agenda Items	Discussion	Board Action	Responsible Party	Due Date
McDowell Dam Supervisor	Greg introduced Dave Robinson, he has started the position at McDowell Dam on May 1st. Noted their was an issue with someone fishing off the dock as someone tried to launch a boat. They will be putting up signs for this.			
Fox Island Boat Ramp	The Bismarck Parks and Rec are updating the boat ramps and the BCWRD made a recommendation on the easements. Michael forwarded the documents to Dave Bliss to review.	**Determine who owns the parcels – Burleigh County or Bismarck Parks and Rec.**	Michael/Dave	
County Engineer Items:				
MRCC Notice	Deadline June 19th for the ballots. In July we can start planning for the next step.		Greg, Michael, Dennis, Dave	June 19th
Comments from members of the Public:				
Clete Burbach	Mr. Burbach noted the concerns the residents are having with not selling the lots at a public auction, but rather putting them for public use and questioned when we will make that decision.	It was noted that no action can be taken until we head back from the State Water Commission. Bruce Engelhard has retired and they are in the process of reorganizing their staff.		
Karen Hogue	Ms. Hogue noted she has some suggestions but will wait until all are present. Discussed having public meetings to keep the residents informed.	Rick noted he holds the portfolio and is the contact in the event of questions. Rick also asked that the BCWRD be invited to the Hogue Island Association meetings in return in order to keep communication open.		
Financial Report	End of May Financial report was reviewed.			
Reserve Distribution and Project Assignment	Commissioner Jones noted that since we receive the bulk of the monies in the first 3 months so we need to set up project accounts for future	**Consensus to do this as part of the budget preparations and we can do the transfers at that time.**	Gordon, Michael, Greg, Commissioner Jones	

Agenda Items	Discussion	Board Action	Responsible Party	Due Date
	projects.			
Budget Preparations:	Budget meeting is August 4th	**Budget preparations**	Gordon, Michael, Greg, Commissioner Jones	July, 2015
Bills:	The bills have been revised adding an additional $250 for Workers Comp.	**Gordon reviewed and moved to approve the revised amount of $16,821.45. Greg seconded. Motion carried.**		
Drainage Complaints				
James Leuwer	Michael met with Marcus Hall, nothing official has been set up as of yet for drafting new language.		Michael, Dennis	
Eldin Spier/UTTC				
Bismarck Airport:	Michael noted they have reviewed KLJ's hydrology report, there were several deficiencies and the report has been sent back for correction.		Michael/Dennis	
Hwy 14:	A letter was sent to Kevin Levi, DOT sharing the discussion of having NRCS look into it.	No further action, remove from agenda.	Dennis	
Haugen/Crestland Place Drainage	Dennis sent a letter to the Haugen's as well as the others listed on the complaint noting it is not in our jurisdiction.	Send copy of letter to Marcus – remove from agenda.	Mona	
Apple Creek	Michael to write letter of dismissal on obstruction complaint.		Michael	
Wagner/Basaraba	Dennis visited the site noting it is on City and county property. Photos are taken.	Continue to follow up on.	Dennis	
Projects:				
Hogue Island				
Site Visit & Maintenance	Rick noted he did a site visit and there are issues with the weeds. He submitted a cost share to the Burleigh County Weed Board. Discussed mowing, Travis Johnson,	**Get proposal from Travis on mowing. HEI to stake the properties.**	Michael/Rick	

Agenda Items	Discussion	Board Action	Responsible Party	Due Date
	who lives near by would be interested. He will provide us a proposal. Rick asked for staking of the lots.			
Hogue lots reseeded:	Discussion was held on the top soil that was hauled in to our lots. It was noted that this is a clear case of trespassing as signs are posted and we need to contact the Sheriff's department. Chairman Fleck asked that Rick first visit with the Hogue Island Chairperson to see what she knows about it prior to going to the Sheriff.	**Consensus to have Rick speak to the Chairperson of Hogue. Dave Bliss will write up a checklist of our legal expectations. If we do not find out who trespassed on the property, it will be turned over to the Sheriff's Department as well as take legal action on any damage.**	Rick	
Burnt Creek				
Pay Request	A pay request in the amount of $75,479.40 has been signed and issued to Bohlman Trenching.			
Project Update:	Michael noted it is moving forward, due to the rains and flows they have left the site.	**Draft a letter to the downstream landowners and update them on the progress of the project. Michael will draft and Dennis will sign.**	Michael/Dennis	
Missouri River Snagging				
Next step recommendation	Michael noted he had a number of conversations with the stakeholders and informed Todd Sando that we are in favor of the process.	**Michael to draft letter.**	Michael, Chairman Fleck, Commissioner Jones	
SWMP	Nothing to report. A meeting will be set up with Marcus at a later date.			
Ash/Ward Coulee	Dennis noted a meeting had been held and approximately 15 members from the Burnt Creek area attended. Overall the meeting went well.			
Other Old Business				

Agenda Items	Discussion	Board Action	Responsible Party	Due Date
Storage Room	Need to schedule prior to June 30th – contact ND Surplus for the cabinets.	Scheduled for June 11th.	Michael, Dave, Mona	
Policy Manual	Ongoing			
Missouri River Easement Documentation and Mapping	Michael noted he spoke with Ray Ziegler and provided him with specific documents on Hogue.	**Provide a copy in July.**	Michael	
New Business				
Change meeting dates	Consensus to leave dates as they are.			
Community Access	Consensus to start in September.			
Next Meeting:	The next meeting will be scheduled for July 14th	July 14th meeting.	Mona	

Meeting adjourned at 10:00 a.m.

Mona Livdahl

Mona Livdahl, BCWRD Admin. Secretary

Burleigh County Water Resource District Meeting

Members of the Public in Attendance Date: June 9th, 2015

NAME - PLEASE PRINT	ADDRESS/COMPANY REPRESENTING
Karen L Hogue	Home- 9450 Island Rd W. Hogue Is. Bismarck 58503-9202 H 701-2239702 Temp- 2908 BayShore Bend SE, Mdn ND. 58554 Cell 701-527-3931
Cole Burbach	9528 Island Rd, Bismarck, ND 701-220 9312 -
Greg Smith	Parks & Rec
David Robinson	Parks & Rec
Kathy Odegaard	Bismarck
Lynn Mills	Bis
Bill Mitzel	Bis
Constance Hofland	owner of 9730 Island Rd, phone 701 226 8102
Craig Johnson	owner of 9730 Island Rd, (mailing address 3101 Chisholm)

Mona Livdahl

From: Michael Gunsch [mgunsch@houstoneng.com]
Sent: Saturday, July 4, 2015 9:18 AM
To: Greg Smith
Cc: Gordon Weixel (gweixel@nd.gov); Travis Johnson; Mona Livdahl; Fleck Terry (tfleck@attitudedr.com)
Subject: FW: Emailing: McDowell Dam Agreement.pdf, 520-189-0S.pdf, Drawing DTP-S11-XB-FB-CAD.250m.pdf, McDowell Gate.pdf
Attachments: Aaron Faken.vcf; McDowell Dam Agreement Documents.pdf

Greg:

Please forward this information to Dave Robinson at McDowell, also need to be provided his contact information.
We want to move this project forward, though material and deliveries are a few weeks out.

Also will want to have Dave coordinate the work with Veit (Aaron Faken) whose contact information is attached.
You will see that there is need for a crane or lift for equipment to be coordinated as well as site restoration after the work is completed. Travis Johnson is the contact in our office to assist in the coordination and completion of this project.

Have Dave get in touch with him to work the various details going forward.

Thanks,

Mona - This documentation will be in the July briefing book.

Michael Gunsch
Principal / Senior Project Manager
Houston Engineering, Inc.
3712 Lockport St, Bismarck, ND 58503
O 701.323.0200 | F 701.323.0300 | C 701.527.2134 www.houstoneng.com

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-----Original Message-----
From: Michael Gunsch
Sent: Monday, June 29, 2015 11:30 AM
To: tjohnson@houstoneng.com
Cc: Gordon Weixel (gweixel@nd.gov)
Subject: FW: Emailing: McDowell Dam Agreement.pdf, 520-189-0S.pdf, Drawing DTP-S11-XB-FB-CAD.250m.pdf, McDowell Gate.pdf

Travis - Please review so we can get this moving through the necessary channels.

Thanks,

Michael Gunsch
Principal / Senior Project Manager

Houston Engineering, Inc.
3712 Lockport St, Bismarck, ND 58503
O 701.323.0200 | F 701.323.0300 | C 701.527.2134 www.houstoneng.com

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-----Original Message-----
From: Aaron Faken [mailto:afaken@veitusa.com]
Sent: Thursday, June 25, 2015 10:45 AM
To: Michael Gunsch
Subject: Emailing: McDowell Dam Agreement.pdf, 520-189-0S.pdf, Drawing DTP-S11-XB-FB-CAD.250m.pdf, McDowell Gate.pdf

Michael, please see the necessary paperwork for the McDowell Dam Gate Replacement.

Sonya in Minot assembled this and may have listed the contacts incorrectly. Please let me know if they are wrong and if so please reply with the needed information as to the contact information so we can change it as needed.

Thank you.

Aaron Faken
Executive Field Operations Manager

Direct: 701-420-1902
Cell: 701-721-9476
Fax: 701-839-9227
VeitUSA.com

Your message is ready to be sent with the following file or link attachments:

McDowell Dam Agreement.pdf
520-189-0S.pdf
Drawing DTP-S11-XB-FB-CAD.250m.pdf
McDowell Gate.pdf

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

VEIT
Specialty Contracting & Waste Management

400 20th Ave. SE
Minot, ND 58701
Office 701.839.9476
Fax 701.839.9227
VeitUSA.com

SERVICE AGREEMENT

Date: 6-25-15

Owner/Contractor: **Michael Gunsch**
Houston Engineering
3712 Lockport St
Bismarck, ND 58503
mgunsch@houstoneng.com
Telephone: 701-323-0200
Fax: 701-323-0300

PROJECT: **McDowell Dam**
PROJECT LOCATION: **Apple Valley, ND**

PROJECT START DATE: 4-6 weeks based on drawing approval
ESTIMATED COMPLETION: 1 week

QUOTE: Diving Services

T&M Rates: **as stated below**

Veit and Companies is quoting the necessary dive support to assist in the replacement of the 16" Sluice gate located at the McDowell Dam.

Veit will provide a 4 person Shallow Dive Team to assist in the inspection and replacement of the existing 16" gate with a new 20" sluice gate. All work is based upon print and plan sheets provided by the owner/engineer by email. The dive team will work directly with the Bismarck Parks and Recreation as needed for additional support as listed below in the includes and excludes. The cost for such assistance will be based upon an hourly rate along with mobilization as quoted per email and accepted by email. Please note all inclusion and exclusion listed below the pricing lines.

Rates:			
Mobilization/Supervision	1	LS	$3,460.00
Shallow Dive Crew	1	EA	$4,980.00/8hr. day
Aquanox Water Control Gate	1	EA	$9,456.25 taxes not included

INCLUDES

- Mobilization of crew to site along with associated shallow marine support equipment
- 4 person team and dive equipment as needed for work scope
- Video documentation and as builds

EXCLUDES

- Any and all materials for the project including hardware to mount gate.
- Transferring of products needed from land to marine operations
- Any equipment for land based operations
- Any and all permits or fees for project
- Site restoration or remediation
- Any crane/boom truck assistance to set gate and stem operator

VEIT
Specialty Contracting & Waste Management

400 20th Ave. SE
Minot, ND 58701

Office 701.839.9476
Fax 701.839.9227

VeitUSA.com

NOTES:

1. **Bismarck Parks and Recreation is responsible to provide a Crane/boom truck capable of supporting project.**
2. **All submittals are based upon plans and drawing supplied to Veit per email dated 10/10/2014.**
3. **The proposed replacement gate was submitted for approval on 4/6/2015 and was accepted on 6/9/2015.**
4. **All work will be performed by Time and Material Rates as listed above.**
5. **Any and all materials needed for the install will be billed out at cost plus 15% as needed per purchase receipt. This will include the hardware such as bolts and other possible needed items to mount the new 20" gate.**
6. **Parts and pieces for the gate proposal are an estimated 6 weeks for delivery.**
7. **All parts being quoted are quoted with no taxes due to the Parks and Recreation being tax exempt. If not tax exempt the local tax rate would need to be added to the numbers quoted above.**
8. **Work outside the hours described and/or by direction of the owner/engineer may require overtime rates.**
9. **All dailies must be signed by an onsite representative. If no representative is present the dailies will be faxed/emailed the next business day for signatures but will then be considered accepted for the previous day's work performed by daily description.**

Respectfully,

Veit and Company, Inc.

Signature: _____

Name: Aaron Faken

Title: Executive Manager of Field Operations

Date: 6/25/15

Agreed and Accepted by: Houston Engineering

Signature: _____

Name: _____

Title: _____

Date: _____

SEE TERMS AND CONDITIONS

VEIT
Specialty Contracting & Waste Management

400 20th Ave. SE
Minot, ND 58701

Office 701.839.9476
Fax 701.839.9227

VeitUSA.com

TERMS AND CONDITIONS

Payments: Owner/Contractor shall make partial payments to Veit & Company, Inc. ("Veit") as the work progresses at the end of each monthly pay period unless otherwise stated herein. Within 30 days after receipt of the invoice, Owner/Contractor shall pay to Veit such invoice amount. Interest will be charged at the maximum rate permitted by law for past due amounts.

Cancellation: The Owner/Contractor shall make restitution to Veit for all costs of work performed including material; services and equipment provided should this contract be canceled for any reason beyond the direct control of Veit. Cancellation for convenience of the Owner/Contractor, directives of governmental agencies, non-issuance of required permitting based upon the proposed program of work, or other reasons beyond the direct control of Veit shall be reimbursable at actual cost plus audited overhead and ten percent (10%) profit.

Insurance: Veit shall provide at its own expense and maintain during the term of the contract insurance from insurers satisfactory to Contractor/Owner to cover Veit's activities in connection with this project. Such insurance shall provide coverage of the nature and in the amounts listed below:

a. For claims covered by Workers' Compensation and Employer's Liability, the amount of statutory limits for any state in which operations are to be performed.

b. Insurance upon each motor vehicle used by Veit in connection with the work providing public liability coverage as to such vehicle of vehicles of not less than $1,000,000 for one injury and $1,000,000 for all injuries in one accident, and property damage coverage of not less than $1,000,000 applying to any one loss.

c. A comprehensive general liability policy providing bodily injury coverage, including death for not less than $1,000,000 coverage as to each occurrence and $1,000,000 aggregate.

Notwithstanding any other provision of this Proposal to the contrary, should any policy required by the Proposal be canceled or otherwise terminated before the completion of the work hereunder, Veit shall exert all reasonable efforts to procure and provide certificates of such insurance to Owner/Contractor upon written request. In the event that Veit is unable to obtain the required insurance coverage on a reasonable basis, then either Veit or Owner/Contractor shall have the right to terminate this Contract without penalty.

Indemnification: Veit agrees to indemnify and hold harmless Owner/Contractor, its directors, employees, agents and officers, from and against only those claims, causes of action, liabilities, costs of expenses, including reasonable attorney's fees, attributable to bodily injury, death or property damage which Owner/Contractor may incur or which may be asserted against Owner/Contractor and which arise directly out of Veit's solely negligent acts in the performance of this contract. In no event shall Veit's liability under this indemnification provision exceed, either for a single incident or in the aggregate, the amounts specified in this proposal.

Subcontractors: Veit may enter into agreements with subcontractors for performance of services within the scope of the work hereunder; provided, however, that Veit shall notify Owner/Contractor of the identity of each subcontractor and the nature of the work to be performed by that subcontractor, and provided further that Veit shall remain responsible for performance of the work in compliance with plans and specifications.

Contractual Relationship: Veit is an independent contractor and not an agent, servant or representative of Owner/Contractor. Veit's activities while on the premises shall be as negotiated and set forth in this contract and under no circumstances shall Veit assume any operations responsibility. It is the express intent of the parties that Owner/Contractor shall remain the sole operator of the premises.

Plans & Specifications: Unless otherwise noted in the body of this document, Owner/Contractor is solely responsible for preparation of plans and specifications relating to the work to be performed hereunder, and Veit makes no representations or warranties regarding those documents. Changed conditions will be negotiated as a change order prior to performance of the work.

Limited Warranty and Limits of Liability

a. Warranty: Veit's sole and exclusive warranty with respect to all work and labor specified herein is that it shall perform the work in accordance with plans and specifications. NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE SHALL APPLY.

b. Exclusive Remedy: All work is guaranteed for one year from completion thereof ("the warranty period"). If within the warranty period Veit receives prompt written notice form Owner/Contractor that work was defective, Veit, at its discretion, shall repair or replace defective work or refund all or a portion of the contract price thereof. The foregoing shall be the Owner's/Contractor's exclusive remedy for defective work.

c. Limitation of Liability: IT IS HEREBY SPECIFICALLY AGREED BY AND BETWEEN VEIT AND OWNER/CONTRACTOR THAT IN NO EVENT SHALL VEIT'S LIABILITY TO OWNER/CONTRACTOR EXCEED EITHER:
   (1) THE AMOUNT SPECIFIED UNDER SUBPARAGRAPH INSURANCE FOR A WORKER'S COMPENSATION CLAIM, OR
   (2) AS TO ALL OTHER LIABILITY, INCLUDING LIABILITIES ARISING OUT OF THE USE OF OPERATION OF MOTOR VEHICLES, LIABILITIES OF THE TYPE NORMALLY COVERED BY A COMPREHENSIVE GENERAL LIABILITY POLICY PROVIDING BODILY INJURY COVERAGE, INCLUDING DEATH, THE SUM OF $2,000,000 IN THE AGGREGATE.

d. Exclusion of Damages- VEIT SHALL NOT BE LIABLE TO OWNER/CONTRACTOR FOR ANY CONSEQUENTIAL, SPECIAL, INCIDENTAL, INDIRECT OR PUNITVE DAMAGES, INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, LOSS OF PRODUCTION OR LOSS OF OPPROTUNITY

AQUANOX
WATER CONTROL GATES

ISE Metal Inc.
20 Windsor Rd
Sherbrooke, Quebec
J1C 0E5
Phone: 866-769-0157

info@ISEaquanox.com
www.ISEaquanox.com

PROJECT: Burleigh County, ND
McDowell Dam

QUOTE No.: **520-189-0S**

Date: February 2, 2015

To: Northwestern Power
Roseville,MN

Att of: Dave Kluck
Member No.: 189

Itm	Caracteristics		Qty
01	Ident:	Gate replacement	1
	Description:	S11-P2B-20x20-A-FB-30 Size: 20 x 20 Design head : 30 ft Installation depth 32.5 ft Rising stem, Open frame, 316L s.s. Gearbox and crank mounted on wall bracket Anchors not included	

NOTES:
Oversized gate to avoid existing thimble

CONDITIONS:

Lead Times:	Drawing : 1-2 weeks Delivery : 8 weeks after approval
Taxes:	All applicable taxes will be charged extra
Currency:	USD
Payment Terms:	Net 30 days
FOB point:	Destination Burleigh County, ND
Validity:	Prices are valid for 90 days
Jobsite Assistance:	Not included, unless specifically indicated in prices above Charges if required: 650/day, plus travel and living expenses
Warranty:	5 years on all products except electric motor actuators that will bear the warranty offered by their manufacturer

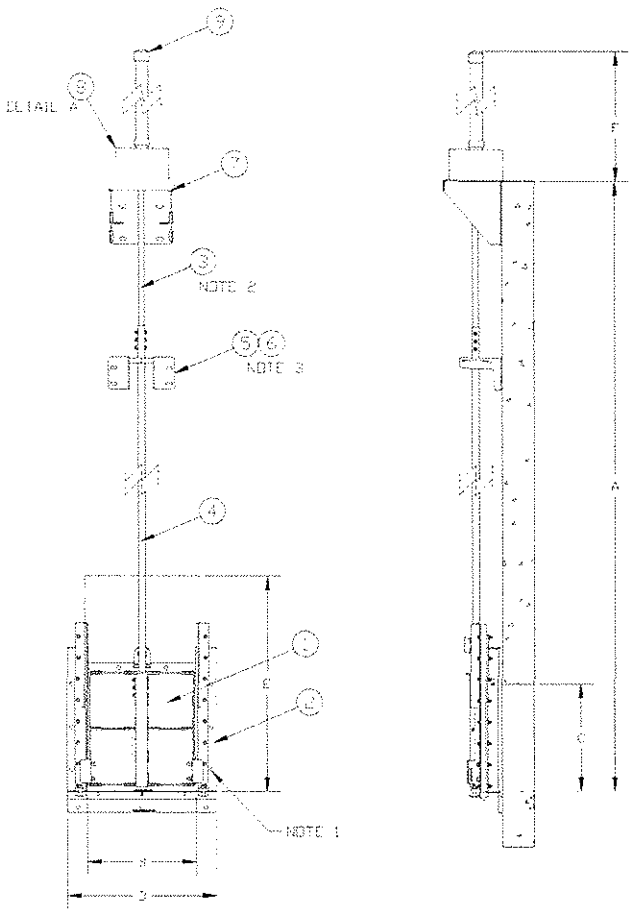
For more information on these products or this project, contact-us at info@ISEaquanox.com or:

Marc Boily, eng.
Business Development Manager
admin@iseaquanox.com
819-822-1328 x59
Cell:

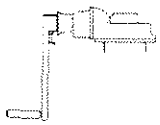
AQUANOX VANNES MURALES WATER CONTROL GATES

Series S - Model S21-Y

TYPICAL DRAWING (DATA SHEET)

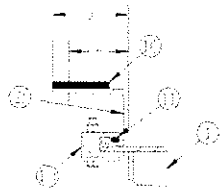


MANUAL OPERATOR
GEARBOX (CAST IRON)
& CRANK (304L S.S.)

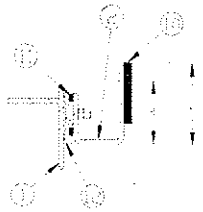


DETAIL A

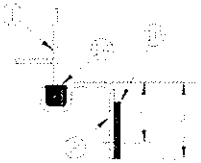
	Description	Material
1	Slide Assembly	316L Stainless Steel
2	Frame Assembly	316L Stainless Steel
3	Treaded Stem	316 Stainless Steel
4	Stem Extension	316L Stainless Steel
5	Stem Guide Bracket	316L Stainless Steel
6	Stem Guide Bushing	UHMWPE
7	Wall Bracket	316L Stainless Steel
8	Actuator (See detail A)	
9	Graduated Stem Protector	Clear PVC
10	Wall Gasket	EPDM
11	Compression Cord	EPDM
12	Top Seal	UHMWPE
13	Side Seal & Guide	UHMWPE
14	Bottom Seal	EPDM



SIDE SEAL
CROSS SECTION



TOP SEAL
CROSS SECTION



BOTTOM SEAL
CROSS SECTION

NOTE 1. ANCHOR BOLTS ARE NOT SUPPLIED. USE ANCHORS AS RECOMMENDED BELOW OR EQUAL
MECHANICAL: HILTI KWIK BOLT 3, 1/2" [13mm] DIA.X 3.5" [89mm] EMBEDMENT IN 2000 PSI [14 Mpa] CONCRETE
ADHESIVE: HILTI HVA, 1/2" [13mm] DIA.X 4.25" [110mm] EMBEDMENT IN 2000 PSI [14 Mpa] CONCRETE
NOTE 2. STEM THREADS ARE ROLLED ACME TYPE THREADS, LEFT HAND, DOUBLE ENTRY
NOTE 3. STEM GUIDES QUANTITY AND POSITION TO BE CONFIRMED AT GATE DESIGN

TABLE OF DIMENSIONS (in / mm)

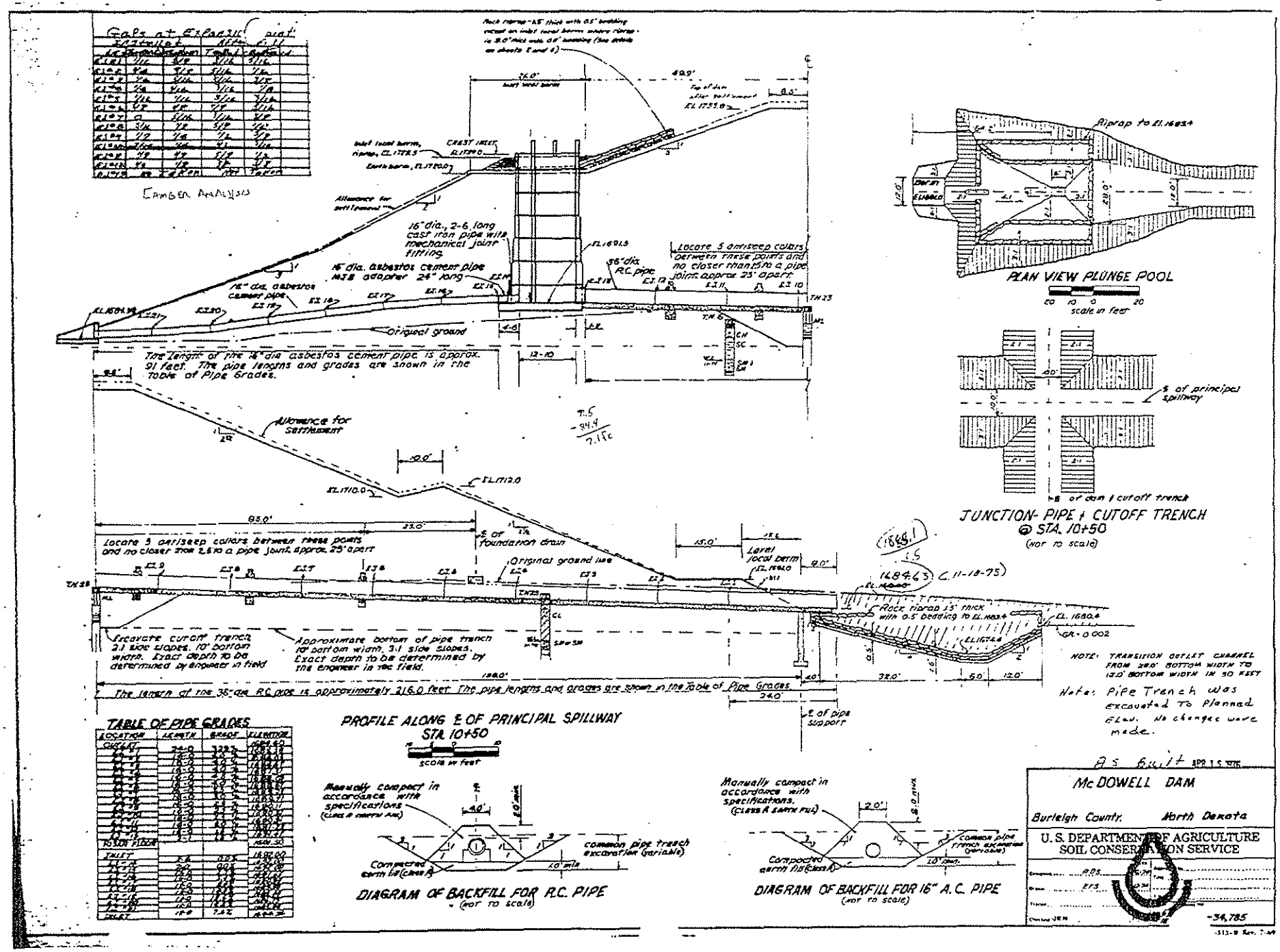
NOMINAL DIMENSIONS	A	B	C	D	E	F		H	J	DESIGN HEAD (ft / m)	WEIGHT (Lbs / Kg)
20" x 20"	390 / 9906	20 / 508	20 / 508	28 / 711	59 / 1499	30 / 762		3 / 76	4 / 102	30 / 9.1	340 / 154

PRELIMINARY DIMENSIONS
DO NOT USE FOR CONSTRUCTION

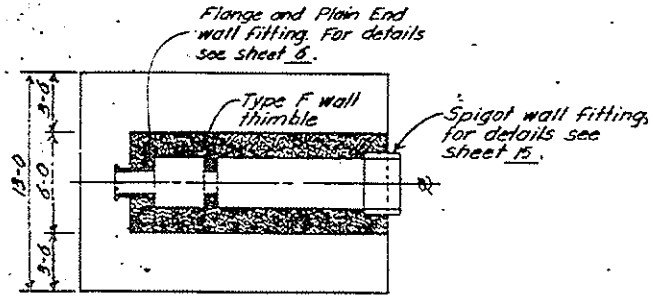
AQUANOX
ISE Métal Inc. - Sherbrooke, QC, Canada
www.ISEAquanox.com - 819-769-0157

Series S Slide Gates
Open Frame
Wall Mounted
Rising Stem, Wall Bracket

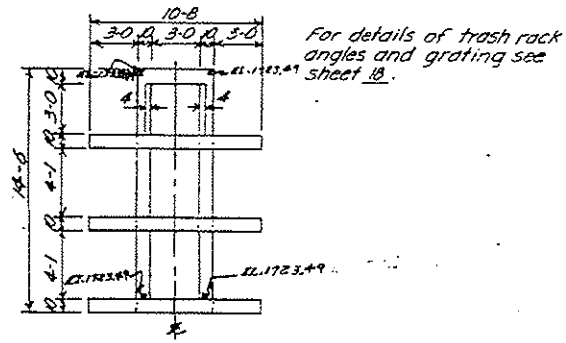
REV.: 0
DATE: 2015-04-02
DRAWING NO.: DTP-S11-XB-FB-CAD.250



Gate at Expansion Joint
Camber Analysis
Rock riprap - 1.5' thick with 0.5' bedding except on inlet local berm where riprap is 9.0' thick with 0.5' bedding (See details on sheets 2 and 6)
Inlet local berm, riprap, EL. 1728.5
Earth berm, EL. 1720.0
CREST INLET EL. 1739.0
Allowance for settlement
16" dia., 2-6 long cast iron pipe with mechanical joint fitting
16" dia. asbestos cement pipe MJ8 adapter 24" long
16" dia. asbestos cement pipe
36" dia. R.C. pipe
Locate 5 antiseep collars between these points and no closer than 2.5 to a pipe joint approx. 25' apart
Original ground
The length of the 16" dia asbestos cement pipe is approx. 91 feet. The pipe lengths and grades are shown in the Table of Pipe Grades.
Allowance for settlement
Locate 5 antiseep collars between these points and no closer than 2.5 to a pipe joint approx. 25' apart
℄ of foundation drain
Original ground line
Level local berm
Rock riprap 1.5' thick with 0.5' bedding to EL. 1683.4
Excavate cutoff trench 2:1 side slopes, 10' bottom width. Exact depth to be determined by engineer in field
Approximate bottom of pipe trench 10' bottom width, 3:1 side slopes. Exact depth to be determined by the engineer in the field.
The length of the 36" dia. R.C. pipe is approximately 216.0 feet. The pipe lengths and grades are shown in the Table of Pipe Grades.
℄ of pipe support
PROFILE ALONG ℄ OF PRINCIPAL SPILLWAY
STA. 10+50
scale in feet
Riprap to El. 1683.4
PLAN VIEW PLUNGE POOL
scale in feet
℄ of principal spillway
℄ of dam & cutoff trench
JUNCTION- PIPE & CUTOFF TRENCH
@ STA. 10+50
(not to scale)
NOTE: TRANSITION OUTLET CHANNEL FROM 28.0' BOTTOM WIDTH TO 12.0' BOTTOM WIDTH IN 50 FEET
Note: Pipe Trench was excavated to Planned Elev. No changes were made.
TABLE OF PIPE GRADES
Manually compact in accordance with specifications (Class A earth fill)
common pipe trench excavation (variable)
Compacted earth fill (Class A)
DIAGRAM OF BACKFILL FOR R.C. PIPE
(not to scale)
Manually compact in accordance with specifications. (Class A earth fill)
common pipe trench excavation (variable)
Compacted earth fill (Class A)
DIAGRAM OF BACKFILL FOR 16" A.C. PIPE
(not to scale)
As Built
McDOWELL DAM
Burleigh County, North Dakota
U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
-34,785



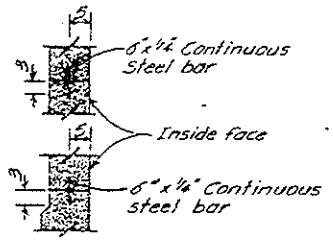
SECTION B-B



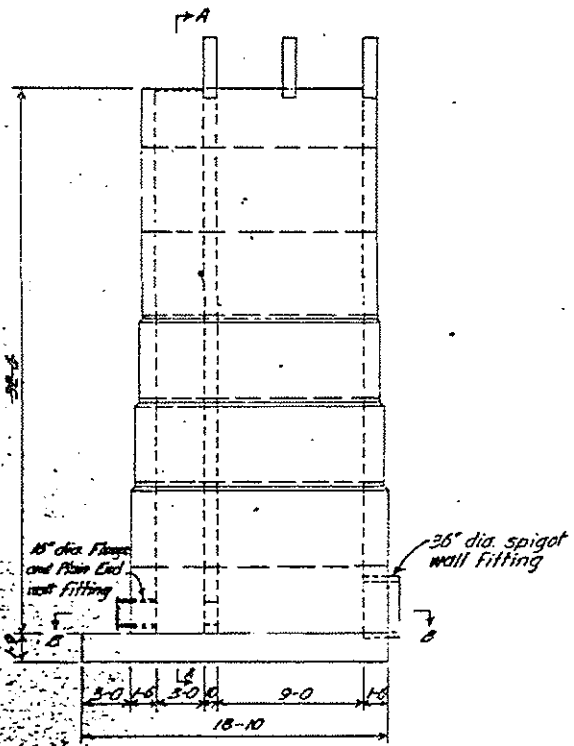
TOP PLAN
Note: above Elev. were taken on 11-17-75

TABLE OF QUANTITIES

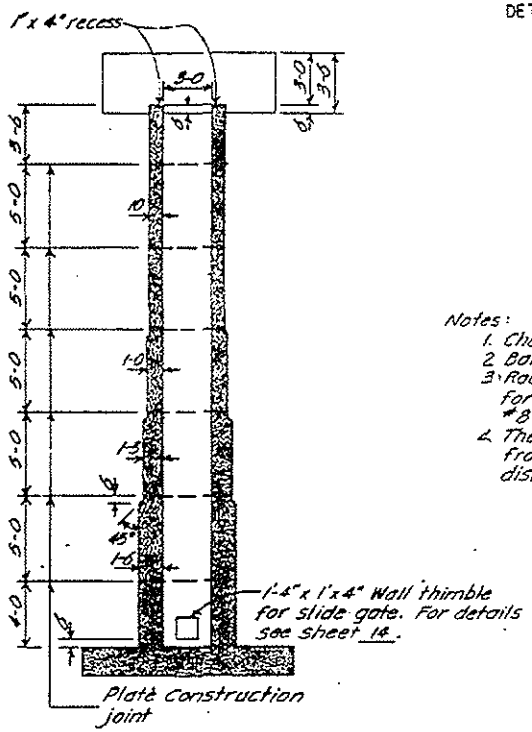
ITEM	UNIT	QUANTITY
CONCRETE	CU.YD.	70.63
REINFORCING	LB.	[illegible]



DETAILS OF PLATE CONSTRUCTION JOINTS
Not to scale



SIDEWALL ELEVATION



SECTION A-A

Notes:
1. Chamfer all exposed edges 3/4".
2. Bar dimensions are out to out of bar.
3. Radius of bends equal three bar diameters for #7 or less and four bar diameters for #8 or greater.
4. The 2" and 3" dimensions to reinforcing bars from face of concrete designate the clear distance.

0 1 2 3 4 5 6
Scale in Feet

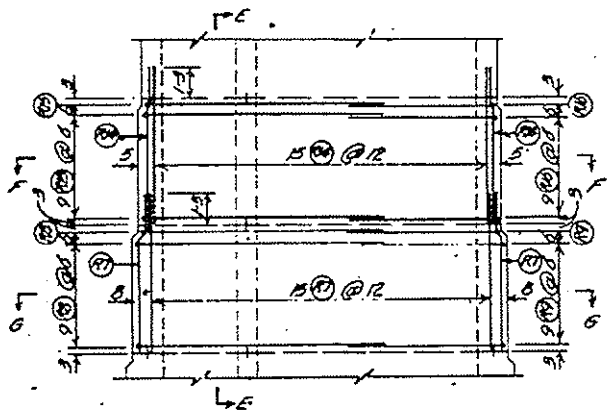
A.S. Built APR 15 1976

McDOWELL DAM

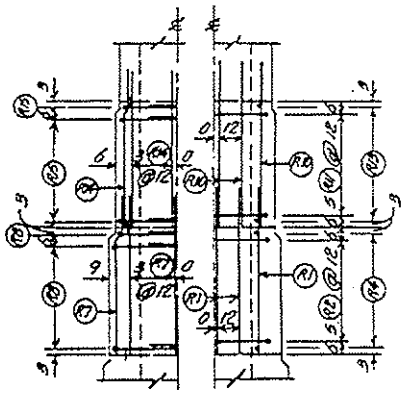
Burleigh County, North Dakota

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

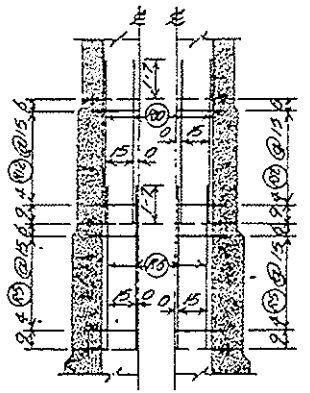
Designed J.M.C.	Date 11-74	Approved by
Drawn D.L.J.	12-74	Title
Traced		Title
Checked D.L.H.	2-75	Sheet 8 Drawing No. 5,E-34,785



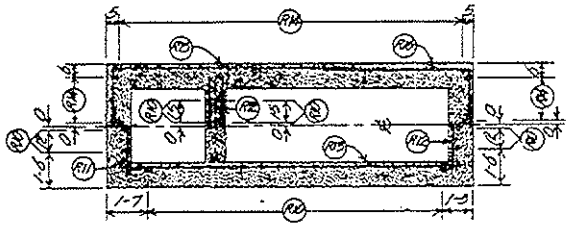
STEEL 2" FROM OUTSIDE FACE
SIDEWALL ELEVATION



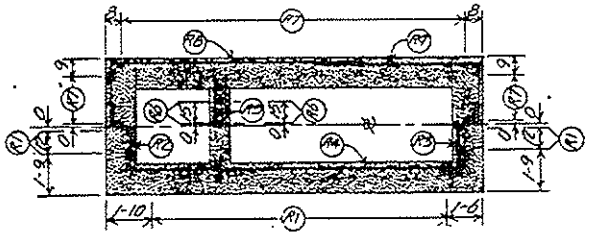
STEEL 2" FROM OUTSIDE FACE — STEEL 2" FROM INSIDE FACE
UPSTREAM ELEVATION



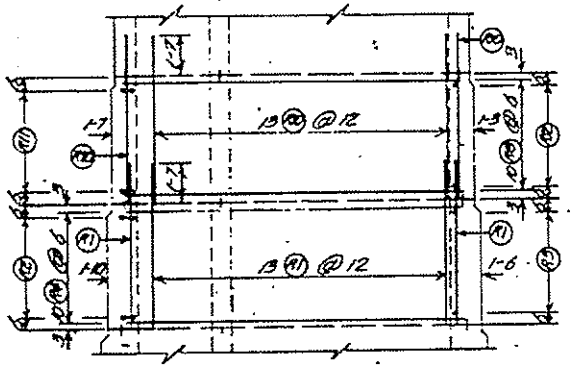
STEEL 2" FROM DOWNSTREAM FACE — STEEL 2" FROM UPSTREAM FACE
SECTION E-E



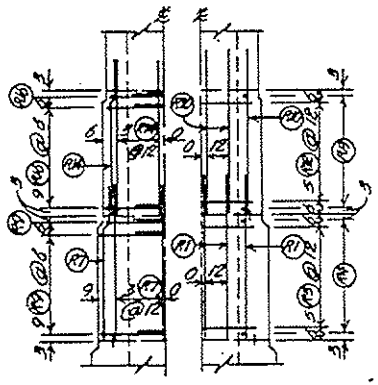
SECTION F-F



SECTION G-G



STEEL 2" FROM INSIDE FACE
SIDEWALL ELEVATION



STEEL 2" FROM OUTSIDE FACE — STEEL 2" FROM INSIDE FACE
DOWNSTREAM ELEVATION

AS Built APR 15 1976

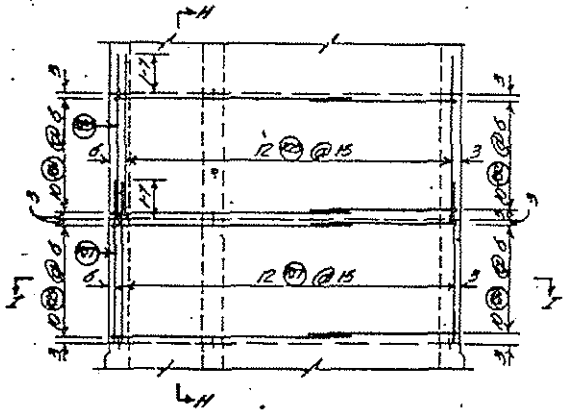
McDOWELL DAM

Burleigh County, North Dakota

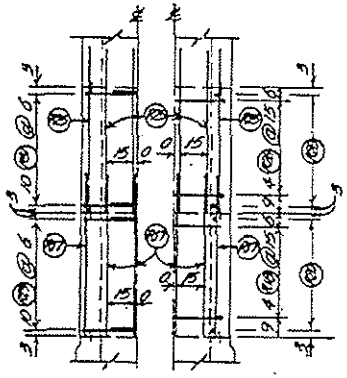
U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

J.M.C.	11-75		
D.L.H.	12-75		
D.L.H.	1-76		S.E-34,785

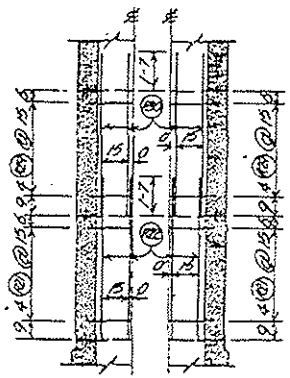
0 1 2 3 4
Scale in Feet



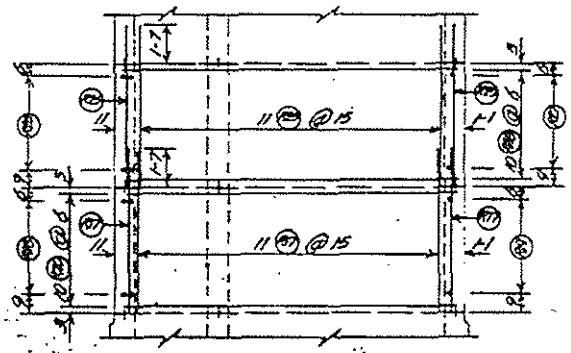
STEEL 2" FROM OUTSIDE FACE
SIDEWALL ELEVATION



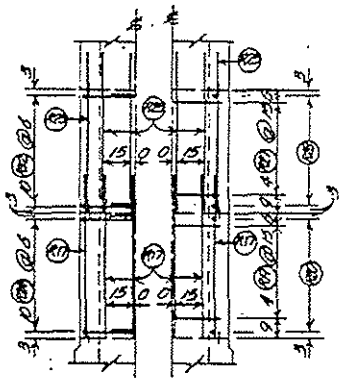
STEEL 2" FROM OUTSIDE FACE — STEEL 2" FROM INSIDE FACE
UPSTREAM ELEVATION



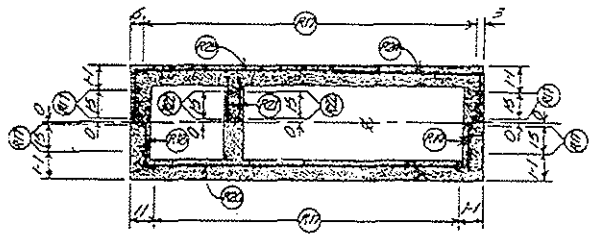
STEEL 2" FROM DOWNSTREAM FACE — STEEL 2" FROM UPSTREAM FACE
SECTION H-H



STEEL 2" FROM INSIDE FACE
SIDEWALL ELEVATION



STEEL 2" FROM OUTSIDE FACE — STEEL 2" FROM INSIDE FACE
DOWNSTREAM ELEVATION



SECTION I-I

0 1 2 3 4
Scale in Feet

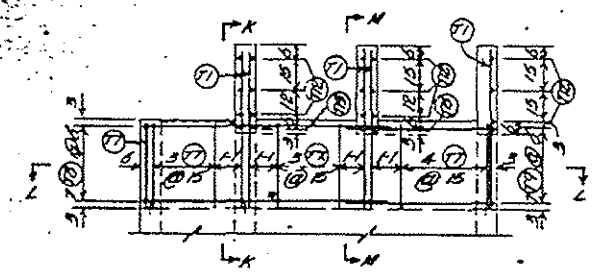
APR 1 5 1976
AS Built APR 1 5 1976

McDOWELL DAM

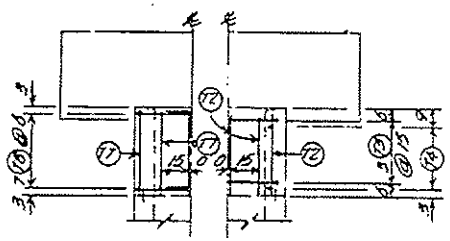
Burleigh County, North Dakota

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

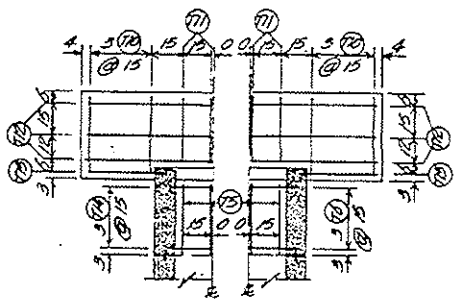
Designed J.M.C.	11-74	
Drawn D.L.J.	12-74	
Checked D.L.H.	2-75	6-54,785



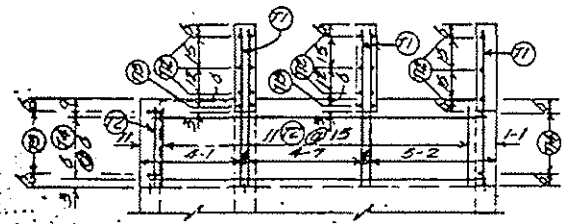
STEEL 2" FROM OUTSIDE FACE
SIDEWALL ELEVATION



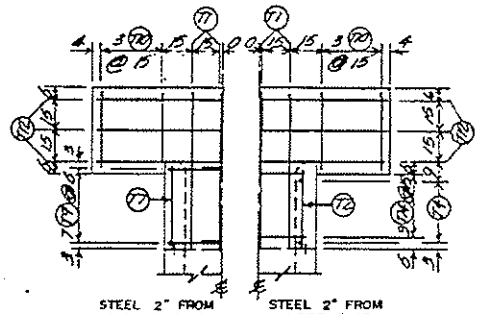
STEEL 2" FROM OUTSIDE FACE
STEEL 2" FROM INSIDE FACE
UPSTREAM ELEVATION



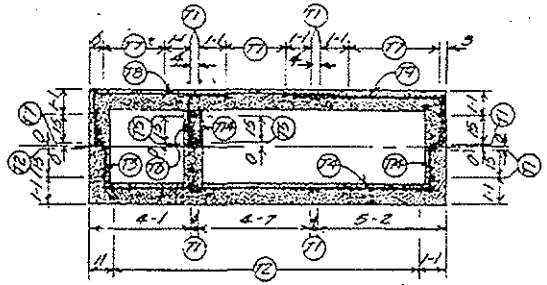
STEEL 2" FROM DOWNSTREAM FACE
STEEL 2" FROM UPSTREAM FACE
SECTION K-K



STEEL 2" FROM INSIDE FACE
SIDEWALL ELEVATION



STEEL 2" FROM OUTSIDE FACE
STEEL 2" FROM INSIDE FACE
DOWNSTREAM ELEVATION



SECTION L-L

0 1 2 3 4
Scale in Feet

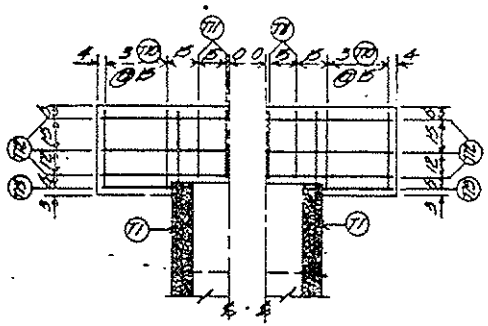
AS Built APR 15 1976

McDOWELL DAM

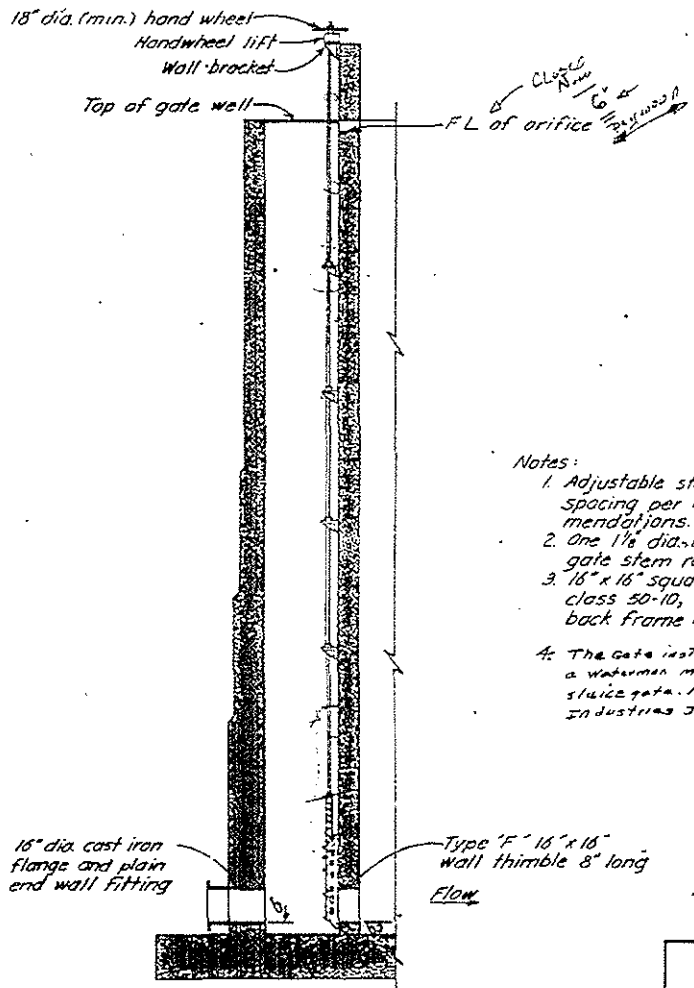
Burleigh County, North Dakota

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed J.M.C.	11-74	Approved by	
Drawn D.L.J.	12-74	Title	
Traced		Date	
Checked D.L.H.	2-75	Scale 1"=15' 1"=18'	Drawing No. 5,E-54,785



SECTION M-M.



DETAILS OF SLIDE GATE

Notes:

1. Adjustable stem guides - number and spacing per manufacturers recommendations.
2. One 1⅛" dia. bronze or stainless steel gate stem required.
3. 16" x 16" square cast iron slide gate class 50-10, type MMS-2 with flat back frame and rising stem.
4. The Gate installed on this job was a Waterman model S-50F cast iron sluice gate. Manufactured by Waterman Industries Inc. Exeter, California 93221

0 1 2 3 4
Scale in Feet

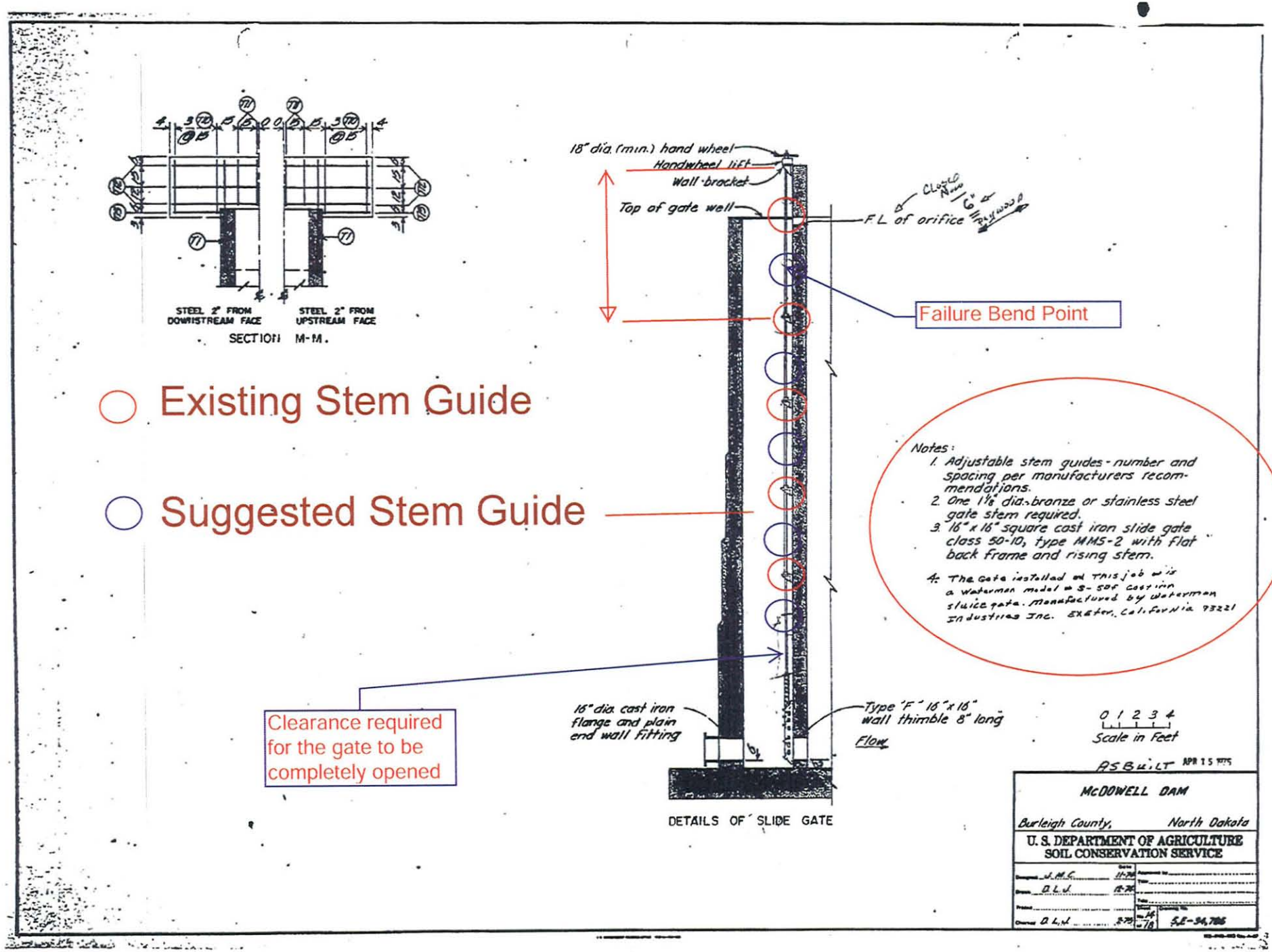
AS BUILT APR 25 1975

McDOWELL DAM

Burleigh County, North Dakota

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

J.M.C.	11-74		
D.L.J.	12-74		
D.L.J.	5-75	14 / 10	SE-54,705



STEEL 2" FROM DOWNSTREAM FACE
STEEL 2" FROM UPSTREAM FACE
SECTION M-M.
Existing Stem Guide
Suggested Stem Guide
18" dia. (min.) hand wheel
Handwheel lift
Wall bracket
Top of gate well
F.L. of orifice
Failure Bend Point
Clearance required for the gate to be completely opened
16" dia. cast iron flange and plain end wall fitting
Type 'F' 16" x 16" wall thimble 8" long
Flow
DETAILS OF SLIDE GATE
Notes:
1. Adjustable stem guides - number and spacing per manufacturers recommendations.
2. One 1 1/8" dia. bronze or stainless steel gate stem required.
3. 16" x 16" square cast iron slide gate class 50-10, type MMS-2 with flat back frame and rising stem.
4. The gate installed on this job is a Waterman model # S-50F cast iron sluice gate. Manufactured by Waterman Industries Inc. Exeter, California 93221
0 1 2 3 4
Scale in Feet
AS BUILT APR 15 1975
McDOWELL DAM
Burleigh County, North Dakota
U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
J.M.C.
D.L.J.
D.L.J.

emailed Board 6/15/15

BISMARCK PARKS AND RECREATION
400 East Front Avenue
Bismarck, ND 58504
701-222-6455
701-221-6838 (fax)

INVOICE

INVOICE NO: 3896
DATE: 6/8/2015

TO: Mona Livdahl
BCWRD
1811 E. Thayer Avenue
Bismarck, ND 58501

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
	May 2015 McDowell Dam billing Reviewed 6-10-15		$ 34,185.09
		TOTAL DUE:	**$ 34,185.09**

Make all checks payable to Bismarck Parks and Recreation.
If you have any additional questions concerning this invoice, call 222-6455.

THANK YOU!
Please return bottom portion with your payment

	Invoice No.	Amt. Due
Mona Livdahl BCWRD 1811 E. Thayer Avenue Bismarck, ND 58501	3896	$ 34,185.09

Mail payment to: Bismarck Parks & Recreation, 400 East Front Ave., Bismarck, ND 58504

BURLEIGH COUNTY WATER RESOURCE DISTRICT
McDowell Dam Monthly Billing

Bismarck Parks & Recreation District
400 E. Front Ave
Bismarck, ND 58504

For The Month Ended May 31, 2015

Date Submitted: 6/8/2015

Salaries & Wages	$	21,133.90
Employer Payroll Taxes		1,616.74
Employee Pension & Health Benefits		1,982.31
Operating Expenses		2,615.12
Capital Improvement Expenses		-
Total Expenses	$	27,348.07
Administrative Fee		
(25% of Operating Expenses)	$	6,837.02
(5% of Capital Improvement Expenses)		-
Total Amount Requested	$	34,185.09

Prepared By

Board Member

HR Admin Coordinator
Title

34

McDowell Dam Monthly Billing

May-15

Salaries & Wages		
Salaries - Full time	$ 4,444.05	
Accrued Sick Leave Pay	12,015.60	
Wages - Part time	4,674.25	
Wages - Part time (Overtime)	-	
Total Salaries & Wages		$ 21,133.90
Employer Payroll Taxes		
Social Security/Medicare	1,616.74	
Worker's Compensation - Premium Rate	-	
Worker's Compensation - Paid Benefits	-	
Unemployment	-	
Total Employer Payroll Taxes		1,616.74
Employee Benefits		
Pension	462.18	
Job Service	-	
Health & Life Insurance	1,520.13	
Total Employee Benefits		1,982.31
Property & Liability Insurance		
State Fire & Tornado	-	
General Liability	-	
Multi Coverage	-	
Auto Liability	-	
Total Property & Liability Insurance		-
Operating Expenses		
Professional Services	-	
Service Contracts	-	
Sanitary Systems	125.00	
Parking Lots & Trail Repair	-	
Shop Supplies	-	
Janitorial Supplies	-	
Miscellaneous Supplies	-	
Fuel	115.49	
Repairs & Replacement	1,227.73	
Uniforms	341.50	
Tools	119.99	
Boiler Insurance	-	
Total Operating Expenses		1,929.71
Capital Improvements		
Building and Building Remodeling	-	-
Utilities		
Natural Gas	-	
Electricity	181.06	
Garbage Removal	70.10	
Water	309.00	
Telephone	125.25	
Total Utilities		685.41
Total Expenses		$ 27,348.07

BURLEIGH COUNTY FARM SERVICE AGENCY
916 E INTERSTATE AVE STE 1
BISMARCK, ND 58503-1227

USDA

United States Department of Agriculture

Farm and Foreign Agricultural Services

Farm Service Agency

Notification of Base and Yields for ARC/PLC

06/14/2015

2551648 P-0076 T-5869 02551648 1 AV .391
BURLEIGH CO WATER RESOURCE DIST
221 N 5TH ST
BISMARCK, ND 58501-4028

Crop	Base Acres	PLC Yield	Program Election	HIP %
Barley	4.80	30	PLC	
Oats	15.80	41	PLC	
Wheat	28.40	19	PLC	

Year 2014
Farm Number: 2097

Operator: BURLEIGH CO WATER RESOURCE DIST
Owner: BURLEIGH CO WATER RESOURCE DIST
Farm Identifier: 31-DIVOF678

This notice is issued by the county FSA office. You may appeal the accuracy of information contained in this notice to the County Committee by filing a written request within 30 calendar days after you receive this notice in accordance with the FSA appeal procedures found at 7 CFR Part 780. If you appeal to the County Committee, you have the right to an informal hearing which you or your representative may attend either personally or by telephone. If you appeal this notice to the County Committee, you may later appeal an adverse determination of the County Committee to the FSA State Committee or the National Appeals Division or request mediation. To appeal, write to the County Committee at your FSA service center address and explain why you believe this notice is erroneous. If you do not timely file a written appeal, this is the final administrative determination with respect to this matter according to the regulations at 7 CFR Part 780.

2551648

USDA is an Equal Opportunity Provider and Employer

emailed 6/27/15

United States Department of Agriculture

NRCS

Natural Resources Conservation Service
916 East Interstate Avenue, Suite 6
Bismarck, ND 58503-0548
(701) 250-4518, Ext. 3

Subject: CPA-O&M Inspection
McDowell Dam

June 24, 2015

To: Stuart Blotter
Assistant State Conservationist (FO)

File Code: 120-12-11-11

Inspection Team: Kip A. Utter NRCS, David Robinson McDowell Dam Staff. The inspection was completed on 6/23/2015. David stated he was taking care of wormwood all over the park this year. Recent rains why the dam is above normal for this time of the year.

A: Inspection of Structural Measures:

All four toe drains were flowing at time of inspection. A listing of the combined flow rates and reservoir elevation from 1979 to 2015 are as follows:

Date	Flow	Reservoir Elev.	Date	Flow	Reservoir Elev.
6/15	24.8	1721.9	6/14	23.9	1721.5
5/13	17.8	1721.6	6/95	36.0	1724.7
5/11	29.8	1721.5	5/94	33.0	1724.7
5/10	26.3	1724.0	6/93	22.0	1710.7
2/09	35.0	1724.0 (ND Water Commission)	7/92	24.0	1707.5
5/08	22.5	1716.9	7/91	26.0	1710.8
6/07	21.5	1719.9	7/90	27.0	1713.4
7/06	25.0	1715.9	6/89	33.0	1716.9
8/05	31.0	1718.0	7/88	41.0	1720.0
6/04	31.5	1719.7	6/87	46.0	1724.7
7/03	28.5	1721.5	6/86	41.0	1724.3
8/02	24.7	1722.8	7/85	41.0	1720.2
7/01	34.5	1724.7	4/84	48.0	1722.6
7/00	33.0	1724.7	4/83	53.0	1724.2
6/99	33.0	1724.7	3/82	62.0	1724.6
6/98	35.0	1722.0	1/81	53.0	1715.6
6/97	32.0	1724.7	4/80	60.0	1718.0
7/96	41.0	1724.7	7/79	104.0	1721.3

The Natural Resources Conservation Service provides leadership in a partnership effort to help people conserve, maintain, and improve our natural resources and environment.

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United States Department of Agriculture

NRCS

Natural Resources Conservation Service
916 East Interstate Avenue, Suite 6
Bismarck, ND 58503-0548
(701) 250-4518, Ext. 3

B: Maintenance required (recommendations):

Item 1- Control Wormwood around the Dam.
Item 2- Mark Toe drains with some type of pipe for future inspections.

David Pfliiger
District Conservationist

Gordon Weixel
Burleigh County Water
Resource District

Attachments

Cc: BCWRD
David Robinson, McDowell Dam
Erica Althoff, NRCS Jamestown

The Natural Resources Conservation Service provides leadership in a partnership effort to help people conserve, maintain, and improve our natural resources and environment.

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U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

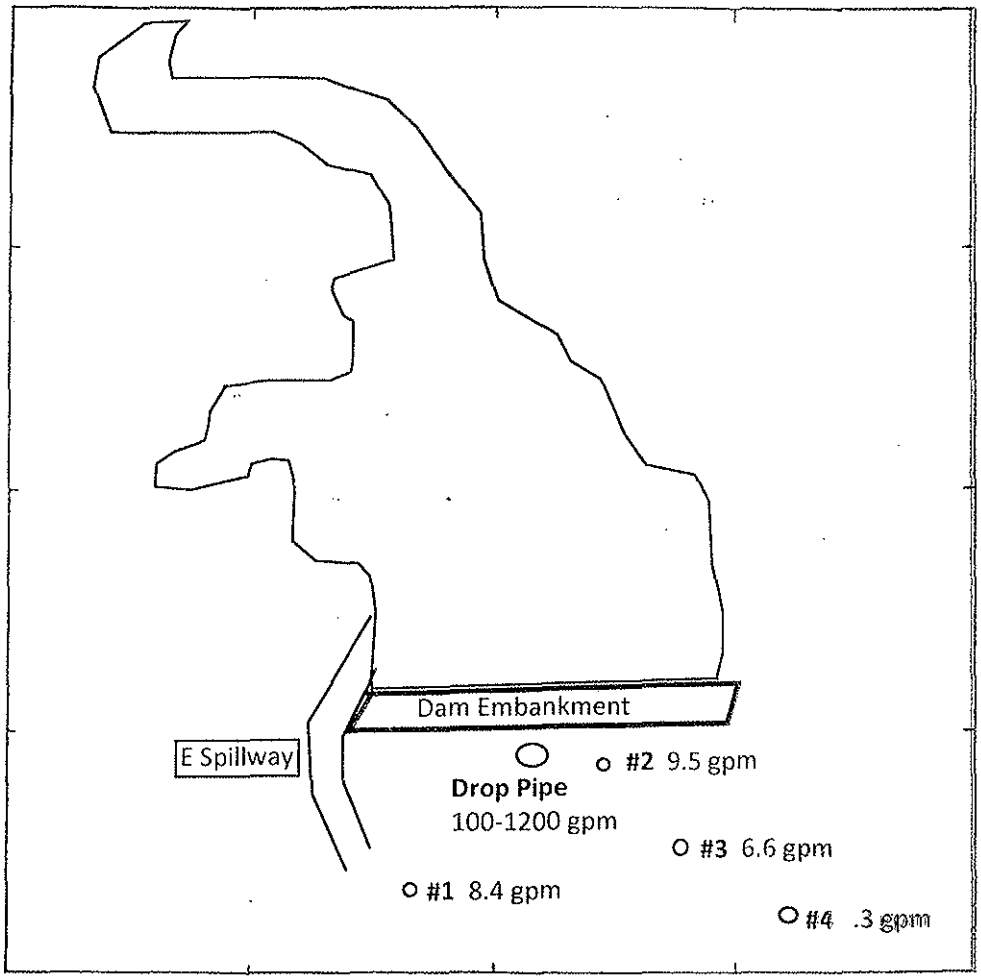
ND-CPA-26
2-85

LOCATION MAP

Owner : *McDowell Dam*

Operator : *Burleigh County Water Resource Board*

Address : *1811 East Thayer Ave, Bismarck ND 58501*



Location
(Show Section Township and Range)

NOTES :

Toe drain flow rates combined flow = 24.8 gpm

Completed by _____ Reviewed by _____

Date 6/24/15 Date 6-25-15

89

Mona Livdahl

From: Terry Fleck [tfleck@attitudedr.com]
Sent: Sunday, June 28, 2015 10:01 PM
To: 'Mona Livdahl'
Subject: FW: C-Dist Grant Application
Attachments: doc01725820150622082932.pdf

Mona, Would please forward this to Gordon and Greg. Thanks!!!! Terry

-----Original Message-----
From: Kathleen Jones [mailto:kathleenathome@bis.midco.net]
Sent: Thursday, June 25, 2015 3:45 PM
To: tfleck@attitudedr.com
Subject: FW: C-Dist Grant Application

Has anyone looked at this for McDowell? I am home. Everything OK.
Kathleen

-----Original Message-----
From: Kevin Glatt [mailto:kglatt@nd.gov]
Sent: Monday, June 22, 2015 8:26 AM
To: 'Brian Bitner'; 'Doug Schonert'; 'Jerry Woodcox'; 'Jim Peluso'; Kathleen Jones; 'Dave Bement'; 'Doug Prchal'
Cc: 'Randy Bina'
Subject: C-Dist Grant Application

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

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https://www.avast.com/antivirus

GARRISON DIVERSION
CONSERVANCY DISTRICT
P.O. BOX 140
CARRINGTON, N.D. 58421
(701) 652-3194
FAX (701) 652-3195
gdcd@daktel.com
www.garrisondiversion.org

June 18, 2015

Kevin Glatt
Burleigh County Auditor
PO Box 5518
Bismarck, ND 58506-5518

Dear Kevin:

The Garrison Diversion Matching Recreation Grant Program is one of the benefits your county receives from belonging to the Garrison Diversion Conservancy District. We want to inform you the deadline to apply for this program is rapidly approaching. Grant applications and required paperwork are due September 1, 2015. Please notify your county park board and any other entities with upcoming recreation projects that they may apply for a matching grant.

The grant application and guidelines are available on the Garrison Diversion website, www.garrisondiversion.org.

The Recreation Committee will meet in September to award the recreation grants. Applicants will be notified of the meeting date and time. Presentations on the submitted project may be made to the Recreation Committee at this meeting.

The next opportunity to apply for a recreation grant will be in the spring of 2016. If you have any questions about the recreation grant program or the application process, please contact me at 800-532-0074.

Sincerely,

Merri Mooridian
Administrative Officer

Mona Livdahl

From: Weixel, Gordon G. [gweixel@nd.gov]
Sent: Tuesday, June 30, 2015 1:18 PM
To: Mona Livdahl (mona@midco.net)
Subject: FW: McDowell report
Attachments: McDowell Dam Report June 2015.docx; McDowell 5-15.pdf

FYI

From: Greg Smith [mailto:GSmith@bisparks.org]
Sent: Tuesday, June 30, 2015 1:12 PM
To: Weixel, Gordon G.
Subject: McDowell report

McDowell Dam Recreation Area
Semi-Annual Report 2015

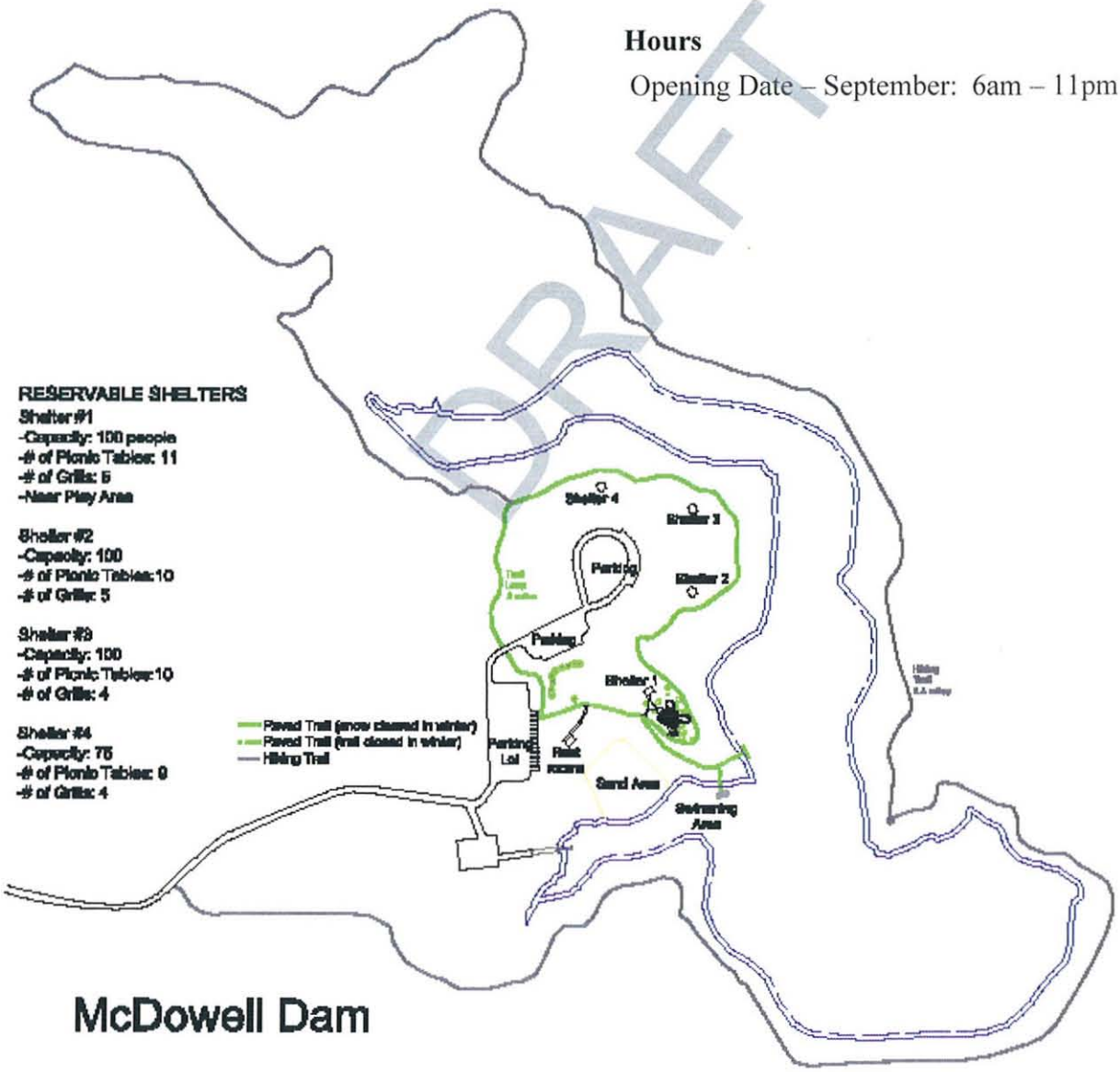
General Information

McDowell Dam Recreation Area is a 271 acre park located five miles east of Bismarck on Old Highway 10 and one mile north. The park is owned by the Burleigh County Water Resource District and managed by the Bismarck Parks and Recreation District. Available activities include swimming, boating, fishing and paddle boating. There is a public beach, picnic shelters that are available (and can be reserved for special occasions), horseshoe pits, a small concessions area, a playground and modern restrooms. There is a paved recreational trail on the grounds, as well as a wooded area for nature walks or runs. There is also a Nature Trail encircling the banks of McDowell Dam

Hours

Opening Date – September: 6am – 11pm daily

DRAFT



Human Resources

Full-Time Employee:

Forrest Ecklund – Caretaker through April 2015
David Robinson – Caretaker starting May 2015

Seasonal Employees:

2 General Maintenance: Bernie Berg, Seth Johnson
2 Mowers: Jim Oshanyk, Jerry Zimmerman
2 Concessions Bldg: Kimberly Leader, Peyton Theisen

Rentals

Equipment available for rental:

- (7) – canoes
- (12) – paddle boats
- (9) – kayaks

Rental Rates are $3 per half hour or $5 per hour.

Budget information attached.

DRAFT

CENTER..... 12 - MCDOWELL DAM

NUMBER	DESCRIPTION	REVENUE / EXPENSE THIS MONTH	REVENUE / EXPENSE YEAR TO DATE	ENCUMBRANCE	TOTAL AMOUNT YEAR TO DATE	ANNUAL BUDGET	REVENUE/EXPENSE-PRIOR YR THIS MONTH	REVENUE/EXPENSE-PRIOR YR YEAR TO DATE
REVENUE								
MISCELLANEOUS								
430110	REFUNDS	0.00	0.00	0.00	0.00	0	0	0
430130	CONCESSIONS - COMMISSION	0.00	0.00	0.00	0.00	0	0	0
430135	CONCESSIONS - SALES	0.00	0.00	0.00	0.00	0	0	0
430140	MISCELLANEOUS	0.00	0.00	0.00	0.00	0	0	0
430150	CASH OVER/SHORT	0.00	0.00	0.00	0.00	0	0	0
430500	BOAT RENTALS	249.76	249.76	0.00	249.76	5,000	0	0
438990	NSF CHECKS - PAYMENT RECEIVE	0.00	0.00	0.00	0.00	0	0	0
	TOTAL MISCELLANEOUS	249.76	249.76	0.00	249.76	5,000	0	0
ASSN & MGMT CONTRACTS								
440200	MCDOWELL DAM	0.00	6,302.66	0.00	6,302.66	79,750	12,488	18,522
440250	MCDOWELL EXPENSE REIMBURSEME	0.00	4,632.18	0.00	4,632.18	79,850	0	8,423
	TOTAL ASSN & MGMT CONTRACTS	0.00	10,934.84	0.00	10,934.84	159,600	12,488	26,945
FEES & CHARGES								
460100	SHELTER PERMITS	700.00	1,150.00	0.00	1,150.00	2,500	0	0
	TOTAL FEES & CHARGES	700.00	1,150.00	0.00	1,150.00	2,500	0	0
	TOTAL REVENUE	949.76	12,334.60	0.00	12,334.60	167,100	12,488	26,945
EXPENSE								
SALARIES & WAGES								
510100	FULL-TIME SALARIES	4,444.05	15,326.69	0.00	15,326.69	38,000	4,057	14,607
510200	PART-TIME SALARIES	4,674.25	5,340.75	0.00	5,340.75	45,000	2,475	2,475
510300	OVERTIME	0.00	0.00	0.00	0.00	500	0	0
510400	LONGEVITY	0.00	0.00	0.00	0.00	0	0	0
510500	SICK & ANNUAL LEAVE	12,015.60	12,015.60	0.00	12,015.60	0 +	0	0
510600	SICK LEAVE OVERAGE	0.00	649.34	0.00	649.34	700	0	624
	TOTAL SALARIES & WAGES	21,133.90	33,332.38	0.00	33,332.38	84,200	6,532	17,706
CONTRACTUAL SERVICES								
520100	PROFESSIONAL SERVICES	0.00	0.00	0.00	0.00	1,500	0	0
520300	SERVICE CONTRACTS	0.00	0.00	0.00	0.00	0	0	0
520400	SANITARY SYSTEMS	125.00	125.00	0.00	125.00	500	0	0
520900	PKG LOTS,SNOW REM,TRAIL REPA	0.00	0.00	0.00	0.00	3,000	0	0
529100	CASH TRANSFER OUT	280.00	280.00	0.00	280.00	7,500	0	0
	TOTAL CONTRACTUAL SERVICES	405.00	405.00	0.00	405.00	12,500	0	0

CENTER..... 12 - MCDOWELL DAM

NUMBER DESCRIPTION	REVENUE / EXPENSE THIS MONTH	REVENUE / EXPENSE YEAR TO DATE	ENCUMBRANCE	TOTAL AMOUNT YEAR TO DATE	ANNUAL BUDGET	REVENUE/EXPENSE-PRIOR YR THIS MONTH	REVENUE/EXPENSE-PRIOR YR YEAR TO DATE
SUPPLIES/OPERATIONS							
530100 SHOP SUPPLIES	0.00	0.00	0.00	0.00	0	0	0
530110 JANITORIAL SUPPLIES	0.00	268.18	0.00	268.18	1,000	0	0
530140 MISCELLANEOUS SUPPLIES	0.00	11.48	0.00	11.48	1,000	0	112
531300 FUEL	115.49	213.70	0.00	213.70	6,000	292	399
531400 REPAIRS & REPLACEMENT	1,227.73	3,252.65	0.00	3,252.65	21,000	653	2,223
531500 UNIFORMS	341.50	341.50	0.00	341.50	400	0	0
531700 TOOLS & SMALL EQUIP LESS $50	119.99	119.99	0.00	119.99	1,500	0	0
TOTAL SUPPLIES/OPERATIONS	1,804.71	4,207.50	0.00	4,207.50	30,900	946	2,734
UTILITIES							
540110 NATURAL GAS	0.00	0.00	0.00	0.00	4,000	350	350
540130 ELECTRICITY	181.06	1,005.92	0.00	1,005.92	4,500	294	1,326
540140 GARBAGE	70.10	281.73	0.00	281.73	1,500	72	354
540150 WATER	309.00	528.75	0.00	528.75	2,000	0	425
540160 TELEPHONE	125.25	620.25	0.00	620.25	3,000	125	612
TOTAL UTILITIES	685.41	2,436.65	0.00	2,436.65	15,000	841	3,066
INSURANCE							
550100 HEALTH INSURANCE	1,520.13	5,546.05	0.00	5,546.05	14,000	1,008	5,039
550200 WORKERS COMPENSATION	0.00	0.00	0.00	0.00	1,000	0	720
550300 UNEMPLOYMENT COMPENSATION	0.00	0.00	0.00	0.00	2,500	0	0
551100 PHYSICALS	0.00	0.00	0.00	0.00	0	0	0
551200 STATE FIRE & TORNADO	0.00	0.00	0.00	0.00	0	0	0
551300 BOILER INSURANCE	0.00	0.00	0.00	0.00	0	0	0
551400 GENERAL LIABILITY INSURANCE	0.00	576.00	0.00	576.00	1,000	0	576
551500 MULTI COVERAGE LIABILITY	0.00	235.97	0.00	235.97	500	0	228
551600 AUTO LIABILITY	0.00	379.00	0.00	379.00	500	0	439
551700 INSURANCE CLAIM REPAIR	0.00	0.00	0.00	0.00	0	0	0
TOTAL INSURANCE	1,520.13	6,737.02	0.00	6,737.02	19,500	1,008	7,001
CAPITAL EQUIPMENT							
563200 EQUIP OVER $500	0.00	0.00	0.00	0.00	0	536	536
TOTAL CAPITAL EQUIPMENT	0.00	0.00	0.00	0.00	0	536	536
CAPITAL IMPROVEMENTS							
570100 BUILDING & BUILDING REMODELI	0.00	0.00	0.00	0.00	5,000	0	0
TOTAL CAPITAL IMPROVEMENTS	0.00	0.00	0.00	0.00	5,000	0	0
MISCELLANEOUS CHARGES							
589980 REFUND, PERMITS, MISC CHARGE	0.00	30.00	0.00	30.00	0 +	0	0
589990 BAD DEBT EXPENSE	0.00	0.00	0.00	0.00	0	0	0
TOTAL MISCELLANEOUS CHARGES	0.00	30.00	0.00	30.00	0 +	0	0

CENTER..... 12 - MCDOWELL DAM

NUMBER	DESCRIPTION	REVENUE / EXPENSE THIS MONTH	REVENUE / EXPENSE YEAR TO DATE	ENCUMBRANCE	TOTAL AMOUNT YEAR TO DATE	ANNUAL BUDGET	REVENUE/EXPENSE-PRIOR YR THIS MONTH	REVENUE/EXPENSE-PRIOR YR YEAR TO DATE
	TOTAL EXPENSE	25,549.15	47,148.55	0.00	47,148.55	167,100	9,863	31,044
	TOTAL CENTER REVENUE	949.76	12,334.60	0.00	12,334.60	167,100	12,488	26,945
	TOTAL CENTER EXPENSE	25,549.15	47,148.55	0.00	47,148.55	167,100	9,863	31,044
	NET CENTER INCOME/LOSS	24,599.39-	34,813.95-	0.00	34,813.95-	0	2,624	4,099-

Mona Livdahl

From: Michael Gunsch [mgunsch@houstoneng.com]
Sent: Monday, June 22, 2015 3:09 PM
To: LeAnn.Eckroth@bismarcktribune.com
Cc: Marcus Hall (mahall@nd.gov); 'Julie Roswick'; Craig Odenbach; David Bliss; Gordon Weixel (gweixel@nd.gov); Greg Larson; Kathleen Jones (kjathome@midco.net); Mona; 'Reep, Dennis'; Rick Detwiller; Terry Fleck
Subject: Missouri River Correctional Center

LeAnn:

The following are the preliminary vote results on the MRCC Project.

62%	38%	78%
Yes	No	Percent Voting

The BCWRD will review and accept the final tally at their July 14th meeting and then discuss the next steps with the State Water Commission regarding available funding.
The final funding remains to be determined.

Thanks,

Michael Gunsch
Principal / Project Manager
Houston Engineering, Inc.
O 701.323.0200 | D 701.751.6277 | F 701.323.0300

3712 Lockport St. ◦ Bismarck, ND ◦ 58503

www.houstoneng.com

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Parcel ID	Owner	Property Address	Mailing Address	Mailing City	Mailing Zip	Benefit Area	% Benefit	Assessment With SWC Cost Share	FOR	AGAINST
38-138-80-00-19-22C	NELSON, JEFFREY M & MARY ELLEN	3640 ENGLAND ST	3640 ENGLAND ST	BISMARCK ND	58504-8961	2.13	0.5	$ 3,506.07	1	
38-138-80-00-19-25C	MILLER, RANDALL R & ELIZABETH	3918 ENGLAND ST	3918 ENGLAND ST	BISMARCK ND	58504-8969	3.15	0.5	$ 3,506.07	1	
38-138-80-00-19-255	SANDERS, BONNIE	3910 ENGLAND ST	3910 ENGLAND ST	BISMARCK ND	58504-8969	5.27	0.75	$ 5,259.11	1	
38-138-80-00-19-27C	MATTHEWS, BRIAN & JENNIFER	3912 ENGLAND ST	3912 ENGLAND ST	BISMARCK ND	58504	2.87	0.5	$ 3,506.07	1	
38-138-80-00-19-271	MILLER, RANDALL & ELIZABETH		3918 ENGLAND ST	BISMARCK ND	58504	0.24	0.1	$ 701.21	1	
38-138-80-00-19-275	HEATON, MATTHEW P	3908 ENGLAND ST	3908 ENGLAND ST	BISMARCK ND	58504	3.12	0.5	$ 3,506.07	1	
38-138-80-00-19-28S	JACOBSON, LAUREEN W	4310 ENGLAND ST	4220 ENGLAND ST	BISMARCK ND	58504-8963	9.93	0.75	$ 5,259.11	1	
38-138-80-00-20-61C	ROSWICK, ROBERT J & JULIE F	4315 ENGLAND ST	4315 ENGLAND ST	BISMARCK ND	58504-8970	38.88	1	$ 7,012.15	1	
38-138-80-00-20-85C	LANGER, GARY L	4620 S WASHINGTON ST	4620 S WASHINGTON ST	BISMARCK ND	58504-8014	1.64	0.5	$ 3,506.07		1
38-138-80-00-20-855	ZIEGLER, RAYMOND & TERRI		PO BOX 1212	BISMARCK ND	58502	0.3	0.1	$ 701.21	1	
38-138-80-00-20-86C	NELSON,STEVEN & WEIGEL,LUCILLE	280 SW 48TH AV	280 48TH AVE SW	BISMARCK ND	58504-8901	0.48	0.1	$ 701.21		
38-138-80-00-20-875	ESHOO, NORMAN S & JUDY D	680 SW 48TH AV	680 48TH AVE SW	BISMARCK ND	58504-8959	12.19	1	$ 7,012.15	1	
38-138-80-00-20-88C	LEMER, JERID L & RAELENE M	540 SW 48TH AV	540 48TH AVE SW	BISMARCK ND	58504-8958	2.04	0.5	$ 3,506.07		
38-138-80-00-20-882	ZIEGLER, RAYMOND & TERRI	210 SW 48TH AV	PO BOX 1212	BISMARCK ND	58502	1.17	0.5	$ 3,506.07	1	
38-138-80-00-20-886	SIEMS, BURT F & EMMA & SIEMS,>	580 SE 48TH AV	222 W OWENS AV	BISMARCK ND	58501	4.15	0.5	$ 3,506.07		1
38-138-80-00-20-888	BOUCHE, KELLY M & CANDICE J	380 SW 48TH AV	515 N 16TH ST	BISMARCK ND	58501	1.56	0.5	$ 3,506.07	1	
38-138-80-00-20-89C	KVANDE, DEBORAH		302 E 3RD AVE S	CAVALIER ND	58220-4205	2.7	0.5	$ 3,506.07		
38-138-80-00-20-892	SLETTEN, OLE T & GIENGER,RANEE		2500 RIVER RD	HENSLER ND	58530-9500	1.5	0.5	$ 3,506.07	1	
38-138-80-00-20-894	SLETTEN, OLE T & GIENGER,RANEE	310 SW 48TH AV	2500 RIVER RD	HENSLER ND	58530-9500	1.96	0.5	$ 3,506.07	1	
38-138-80-02-01-01C	HEINERT, TED & NANETTE	4704 WHITE TAIL LA	3749 MONTREAL ST	BISMARCK ND	58503	2.15	0.5	$ 3,506.07		1
38-138-80-02-01-02C	KOVASH, TODD M & KRISTI J	4604 WHITE TAIL LA	4604 WHITE TAIL LN	BISMARCK ND	58504	2.14	0.5	$ 3,506.07	1	
38-138-80-02-01-03C	BOND, ROBERT & VIRGEAN	4520 WHITE TAIL LA	4520 WHITE TAIL LN	BISMARCK ND	58504-8600	2.15	0.5	$ 3,506.07	1	
38-138-80-02-01-04C	DINGUS, PATRICK & ROSALIE	4512 WHITE TAIL LA	4512 WHITETAIL LN	BISMARCK ND	58504	2.15	0.5	$ 3,506.07	1	
38-138-80-02-01-05C	THOMPSON, MATTHEW A & JEANENE	4430 WHITE TAIL LA	3207 E AVENUE C	BISMARCK ND	58501	2.15	0.5	$ 3,506.07		1
38-138-80-02-02-01C	ANDERSON, JORDAN & KARI	4601 WHITE TAIL LA	4601 WHITE TAIL LN	BISMARCK ND	58504	2	0.5	$ 3,506.07	1	
38-138-80-02-02-02C	RADER, BARRY & CAREY	4604 HUBER DR	1108 WESTWOOD ST	BISMARCK ND	58504	2	0.5	$ 3,506.07	1	
38-138-80-02-02-03C	PIATZ, MICHAEL	4704 HUBER DR	4704 HUBER DR	BISMARCK ND	58504	1.98	0.5	$ 3,506.07		1
38-138-80-02-02-04C	FROELICH, MARK & CAROL	4701 WHITE TAIL LA	4701 WHITETAIL LN	BISMARCK ND	58504	2.03	0.5	$ 3,506.07	1	
38-138-80-02-03-01C	MUEHLER, MICHAEL & SUSAN	4501 HUBER DR	4501 HUBER DR	BISMARCK ND	58504-8862	2.18	0.5	$ 3,506.07		1
38-138-80-02-03-02C	MEYHOFF, BRUCE & ROBIN	4601 HUBER DR	4601 HUBER DR	BISMARCK ND	58504	2.18	0.5	$ 3,506.07		1
38-138-80-02-03-03C	SCHMIDT, THOMAS & CARISSA	4701 HUBER DR	1308 N 11TH ST	BISMARCK ND	58501-2704	2.15	0.5	$ 3,506.07		
38-138-80-03-01-01C	SPLONSKOWSKI, TIMOTHY	106 ASHLEE AV	823 LAMBTON AVE #3	BISMARCK ND	58504	2.1	0.5	$ 3,506.07		
38-138-80-03-01-02C	JOHNSON, MICHAEL P & KIMBERLY	130 ASHLEE AV	704 DOVER DR	BISMARCK ND	58504	1.18	0.25	$ 1,753.04	1	
38-138-80-03-01-03C	RONINGEN, MARK W & YELENA	216 ASHLEE AV	216 ASHLEE AVE	BISMARCK ND	58504	1.83	0.25	$ 1,753.04	1	
38-138-80-03-01-04C	SENGER, BRYAN L & LORRAINE	308 ASHLEE AV	308 ASHLEE AVE	BISMARCK ND	58504-8827	2.1	0.5	$ 3,506.07	1	
38-138-80-03-01-05C	SCHANER, ROBIN L & LANEE E	400 ASHLEE AV	400 ASHLEE AVE	BISMARCK ND	58504-8831	2.1	0.5	$ 3,506.07	1	1
38-138-80-03-02-01C	GEIGER, DANIEL & MARILYN	4026 DANIEL ST	1702 W WICHITA DR	BISMARCK ND	58504	2.02	0.5	$ 3,506.07		0
38-138-80-03-02-02C	SCHMITCKE, GARY & BARBARA	4114 DANIEL ST	4114 DANIEL ST	BISMARCK ND	58504-8845	1.91	0.5	$ 3,506.07		
38-138-80-03-02-03C	WYNVEEN, JOSHUA A & KELLY L	4126 DANIEL ST	4126 DANIEL ST	BISMARCK ND	58504	1.35	0.25	$ 1,753.04		1
38-138-80-03-03-01C	STEFFES, CLARENCE & MAR-JO	4115 DANIEL ST	4115 DANIEL ST	BISMARCK ND	58504	2	0.5	$ 3,506.07	1	
38-138-80-03-03-02C	KLEIN, JEROME & HELEN	407 ASHLEE AV	1706 SO RENO DR	BISMARCK ND	58504-7064	2	0.5	$ 3,506.07		1
38-138-80-03-03-03C	ELL, TODD & LORI	ASHLEE AV	2519 COOLIDGE AVE	BISMARCK ND	58501-2264	2	0.5	$ 3,506.07		1
38-138-80-03-03-04C	KASEMAN, LENORE	223 ASHLEE AV	223 ASHLEE AVE	BISMARCK ND	58504	2	0.5	$ 3,506.07	1	
38-138-80-03-03-05C	KLEIN, JASON	201 ASHLEE AV	3805 BAY SHORE BEND SE	MANDAN ND	58554-6305	2	0.5	$ 3,506.07		
38-138-80-03-03-06C	FRYSLIE, THOMAS V & JUDITH H	218 GLENWOOD DR	218 GLENWOOD DR	BISMARCK ND	58504	2	0.5	$ 3,506.07		1
38-138-80-03-03-07C	WERNER, JACK A & BONNIE L	310 GLENWOOD DR	39 CAPTAIN MARSH DR	MANDAN ND	58554	2	0.5	$ 3,506.07	1	
38-138-80-03-03-08C	STEWART, NATHAN J & KATIE C	328 GLENWOOD DR	328 GLENWOOD DR	BISMARCK ND	58504	2	0.5	$ 3,506.07		
38-138-80-03-03-09C	SENGER, BRYAN L & LORRAINE F	418 GLENWOOD DR	308 ASHLEE AVE	BISMARCK ND	58504	2	0.5	$ 3,506.07	1	
38-138-80-03-03-10C	KISSE, JOHN A	512 GLENWOOD DR	PO BOX 562	BISMARCK ND	58502-0562	2	0.5	$ 3,506.07		1
38-138-80-03-04-01C	BECK, DEAN M & TRACY L	119 GLENWOOD DR	119 GLENDWOOD DR	BISMARCK ND	58504	2	0.5	$ 3,506.07		1
38-138-80-03-04-02C	SENGER, BRYAN L & LORRAINE F	213 GLENWOOD DR	308 ASHLEE AVE	BISMARCK ND	58504	2.22	0.5	$ 3,506.07	1	
38-138-80-03-04-03C	WANNER, JESSE &	303 GLENWOOD DR	303 GLENWOOD DR	BISMARCK ND	58504	2.22	0.5	$ 3,506.07		
38-138-80-03-04-04C	WELTON, MATTHEW J & >	319 GLENWOOD DR	319 GLENWOOD DR	BISMARCK ND	58504-8025	2	0.5	$ 3,506.07		1
38-138-80-03-04-05C	DOUGHERTY, MARK & MARLYS J	409 GLENWOOD DR	409 GLENWOOD DR	BISMARCK ND	58504-8026	2	0.5	$ 3,506.07		
38-138-80-03-04-06C	CLARK, JESSE D & SARA M	4405 LUCAS ST	4405 LUCAS ST	BISMARCK ND	58504	2	0.5	$ 3,506.07		1
38-138-80-03-04-07C	CROTEAU, JAMES E & LYNN A	408 COURTNEY CI	1624 N LYNCH	MESA AZ	85207-3181	1.49	0.5	$ 3,506.07		
38-138-80-03-04-08C	HAGEN, DUSTIN L & TRISHA E	324 COURTNEY CI	PO BOX 338	BISMARCK ND	58502	1.5	0.5	$ 3,506.07		
38-138-80-03-04-09C	HARTMAN, CINDY	331 COURTNEY CI	6700 KINGSWOOD RD	BISMARCK ND	58503-9255	1.62	0.5	$ 3,506.07		
38-138-80-03-04-10C	FAHRNI, LOWELL & CORRIN	4420 S WASHINGTON ST	4420 S WASHINGTON ST	BISMARCK ND	58504	1.5	0.5	$ 3,506.07		1
38-138-80-03-04-11C	JACOBSON, COLT A & JENNA M	320 SHEEHAN RD	12045 89TH AVE SE	BISMARCK ND	58504	2	0.5	$ 3,506.07	1	
38-138-80-03-04-12C	TABORSKY, LARRY & AMY	413 COURTNEY CI	2810 NORWOOD LN	VENICE FL	34292-2415	2	0.5	$ 3,506.07	1	

Total Assessed Percentage	72.45
Total Assessed Value	$ 508,030.00
Total Assessment Per Area	$ 7,012.15

38-138-80-03-05-01C	SAND, ROSELLEN M	527 SHEEHAN RD	527 SHEEHAN RD	BISMARCK ND	58504	2	0.5	$ 3,506.07	1		
38-138-80-03-05-02C	SCHOCK, DARIN L & STACY L	509 SHEEHAN RD	509 SHEEHAN RD	BISMARCK ND	58504	2	0.5	$ 3,506.07	1		
38-138-80-03-05-03C	ELSBERRY, TERRY & JULIE	421 SHEEHAN RD	3900 HWY 2 & 52 W	MINOT ND	58701-2813	2	0.5	$ 3,506.07		1	
38-138-80-03-05-04C	UNRATH, CHAD & ERICA	325 SHEEHAN RD	325 SHEEHAN RD	BISMARCK ND	58504	1.52	0.5	$ 3,506.07	1		
38-138-80-03-06-01C	KELLER, KEN & MARION	4309 DANIEL ST	3723 RUSSETT LN	NORTHBROOK IL	60062-4254	2	0.5	$ 3,506.07		1	
38-138-80-03-06-02C	BERGSTROM, DENNIS & SANDY	4314 LUCAS ST	33 LITTLE KNIFE	NEW TOWN ND	58763	2	0.5	$ 3,506.07			
38-138-80-03-06-03C	ARTZ, JONATHAN D & LOREN L	506 KAMBRI CI	506 KAMBRI CI	BISMARCK ND	58504-7511	1.62	0.5	$ 3,506.07			
38-138-80-03-06-04C	SELK, RODY & JENNIFER	4403 DANIEL ST	4403 DANIEL ST	BISMARCK ND	58504	1.62	0.5	$ 3,506.07			
38-138-80-03-06-05C	BOECKEL, TRAVIS L & ALICIA M	517 KAMBRI CI	517 KAMBRI CIR	BISMARCK ND	58504	1.51	0.5	$ 3,506.07			
38-138-80-03-06-06C	HILL, JASON D	505 KAMBRI CI	PO BOX 273	STANTON ND	58571	1.5	0.5	$ 3,506.07		1	
38-138-80-03-06-07C	HODGE, TIFFANY A	4520 LUCAS ST	409 SOUTHWOOD AVE	BISMARCK ND	58504-6258	2	0.5	$ 3,506.07			
38-138-80-03-06-08C	SAND, ROSELLEN M	526 SHEEHAN RD	527 SHEEHAN RD	BISMARCK ND	58504	2	0.5	$ 3,506.07	1		
38-138-80-03-07-01C	WOODKE, STEVEN P & LEAH R	4306 DANIEL ST	4306 DANIEL ST	BISMARCK ND	58504	2	0.5	$ 3,506.07			
38-138-80-03-07-02C	THOMPSON, ROGER W & SANDY K	4324 DANIEL ST	4324 DANIEL ST	BISMARCK ND	58504-8825	1.56	0.5	$ 3,506.07	1		
38-138-80-03-07-03C	SORENSON, DAVID & JESSICA	4406 DANIEL ST	4406 DANIEL ST	BISMARCK ND	58504	1.6	0.5	$ 3,506.07		1	
38-138-80-0A-01-01C	FERDERER, WAYNE R & JACQUI J	3550 ENGLAND ST	3550 ENGLAND ST	BISMARCK ND	58504-8967	3.85	0.25	$ 1,753.04	1		
38-138-80-0D-01-01C	GJESTVANG, RORY	3500 ENGLAND ST	3500 ENGLAND ST	BISMARCK ND	58504-8967	0.82	0.1	$ 701.21			
38-138-80-0E-01-01C	HUBER, GARY L & GEORGIE ANN	4500 THORNBURG DR	4500 THORNBURG DR	BISMARCK ND	58504	5.08	0.75	$ 5,259.11		1	
38-138-80-0G-01-01C	NELSON, GREGORY T	3760 ENGLAND ST	3760 ENGLAND ST	BISMARCK ND	58504-8968	2.03	0.5	$ 3,506.07	1		
38-138-80-0G-01-02C	NELSON, GREGORY T	1604 SCOUT ST	3760 ENGLAND ST	BISMARCK ND	58504-8968	2.07	0.5	$ 3,506.07	1		
38-138-80-0G-01-03C	NELSON BUILDERS LLC	1700 SCOUT ST	1205 VOYAGER DR	BISMARCK ND	58504	2.21	0.5	$ 3,506.07	1		
38-138-80-0G-01-04C	HUBBARD, MATTHEW & GWEN	3710 ENGLAND ST	3710 ENGLAND ST	BISMARCK ND	58504-8968	2.92	0.5	$ 3,506.07			
38-138-80-0G-01-05C	HUBBARD, MATTHEW & GWEN	1730 SCOUT ST	3710 ENGLAND ST	BISMARCK ND	58504-8968	1.54	0.5	$ 3,506.07	1		
38-138-80-0G-01-06C	ANDRE, ANN	1740 SCOUT ST	2200 FAR WEST DR	BISMARCK ND	58504-8835	1.55	0.5	$ 3,506.07		1	
38-138-80-0G-02-01C	BALZER, GENE K & LORI A	1517 SCOUT ST	1517 SCOUT ST	BISMARCK ND	58504	1.31	0.5	$ 3,506.07	1		
38-138-80-0G-02-02C	WHITTEMORE, DAVID & PAMELA	1601 SCOUT ST	1834 E CAPITOL AVE #234	BISMARCK ND	58501	1.3	0.5	$ 3,506.07	1		
38-138-80-0G-02-03C	PRESZLER, DALE & KRISTI	1617 SCOUT ST	1617 SCOUT ST	BISMARCK ND	58504-8813	1.32	0.5	$ 3,506.07	1		
38-138-80-0G-02-04C	HEINERT, RAYMOND A & BECKY K	1701 SCOUT ST	1701 SCOUT ST	BISMARCK ND	58504	1.28	0.5	$ 3,506.07	1		
38-138-80-0G-02-05C	TORGERSON, EARL T & PAMELA J	1717 SCOUT ST	1733 SCOUT ST	BISMARCK ND	58504-8849	1.43	0.5	$ 3,506.07	1		
38-138-80-0G-02-06C	TORGERSON, EARL T & PAMELA J	1733 SCOUT ST	1733 SCOUT ST	BISMARCK ND	58504-8849	1.67	0.5	$ 3,506.07	1		
38-138-80-0J-01-01C	DEICHERT, RYAN & SARA	3820 ENGLAND ST	414 N 22ND ST	BISMARCK ND	58501	1.59	0.5	$ 3,506.07			
38-138-80-14-01-01C	BLOTSKE, ALLEN & JOANN	4110 ENGLAND ST	4110 ENGLAND ST	BISMARCK ND	58504-8990	3.62	0.5	$ 3,506.07	1		
38-138-80-14-01-01S	BLOTSKE, ALLEN & JOANN	4106 ENGLAND ST	4110 ENGLAND ST	BISMARCK ND	58504-8990	1.49	0.5	$ 3,506.07	1		
38-138-80-21-01-01C	FAZEKAS, MICHAEL & LORETTA	3906 ENGLAND ST	3906 ENGLAND ST	BISMARCK ND	58504	1.56	0.5	$ 3,506.07	1		
38-138-80-21-01-02C	FAZEKAS, MICHAEL & LORETTA	3902 ENGLAND ST	3906 ENGLAND ST	BISMARCK ND	58504	1.57	0.5	$ 3,506.07	1		
38-138-80-22-01-01C	JACOBSON, LAUREEN W	4220 ENGLAND ST	4220 ENGLAND ST	BISMARCK ND	58504-8963	5	0.5	$ 3,506.07	1		
38-138-80-24-01-01C	LIPP, TOM & KATHY	4744 THORNBURG DR	4744 THORNBURG DR	BISMARCK ND	58504-8812	1.91	0.5	$ 3,506.07		1	
38-138-80-24-01-02C	SPEIDEL, JERRY & DONNA	4660 THORNBURG DR	4660 THORNBURG DR	BISMARCK ND	58504-8810	1.99	0.5	$ 3,506.07		1	
38-138-80-24-01-03C	MUEHLER, WAYNE A	4530 THORNBURG DR	4530 THORNBURG DR	BISMARCK ND	58504-8808	1.98	0.5	$ 3,506.07	1		
38-138-80-24-02-01C	LADUCER, JAMES K	4745 THORNBURG DR	4616 EARHART DR	BISMARCK ND	58504	1.89	0.5	$ 3,506.07		1	
38-138-80-24-02-02C	ZAINHOFSKY,FREDERICK J & MYRNA	4655 THORNBURG DR	1207 S 7TH ST	BISMARCK ND	58504-6536	1.97	0.5	$ 3,506.07	1		
38-138-80-24-02-03C	ZAINHOFSKY, JON F & KATI L	4505 THORNBURG DR	4505 THORNBURG DR	BISMARCK ND	58504-8808	1.97	0.5	$ 3,506.07	1		
38-138-80-24-02-04C	OLHEISER, CASEY & LACEY	4435 THORNBURG DR	4435 THORNBURG DR	BISMARCK ND	58504	2	0.5	$ 3,506.07		1	
38-138-80-24-02-05C	ROGSTAD, DAVID	4600 DOWNING ST	4600 DOWNING ST	BISMARCK ND	58504	1.95	0.5	$ 3,506.07			
38-138-80-24-02-06C	COLLING, MICHEAL & JAN	4700 DOWNING ST	4700 DOWNING ST	BISMARCK ND	58504-8816	1.95	0.5	$ 3,506.07			
38-138-80-24-02-07C	HOUSE, RYAN B	4730 DOWNING ST	4730 DOWNING ST	BISMARCK ND	58504	1.84	0.5	$ 3,506.07		1	
38-138-80-24-03-01C	BEAN, DAMIAN & LISA	4735 DOWNING ST	4735 DOWNING ST	BISMARCK ND	58504-8817	1.86	0.5	$ 3,506.07		1	
38-138-80-24-03-02C	HELLMAN, KORY D & TANIA	4705 DOWNING ST	4705 DOWNING ST	BISMARCK ND	58504	1.95	0.5	$ 3,506.07		1	
38-138-80-24-03-03C	BRAUNBERGER, GARY S & JODY L	4607 DOWNING ST	4525 DOWNING ST	BISMARCK ND	58504-8804	1.96	0.5	$ 3,506.07	1		
38-138-80-24-03-04C	BRAUNBERGER, GARY S & JODY L	4525 DOWNING ST	4525 DOWNING ST	BISMARCK ND	58504-8804	1.95	0.5	$ 3,506.07	1		
38-138-80-24-03-05C	NEUMANN, CASEY J & GENA M	4429 DOWNING ST	4429 DOWNING ST	BISMARCK ND	58504	1.95	0.5	$ 3,506.07		1	
38-138-80-24-04-01C	SMITH, STEPHANIE A	4420 THORNBURG DR	4420 THORNBURG DR	BISMARCK ND	58504	1.97	0.5	$ 3,506.07	1		
38-138-80-24-04-02C	BURTNESS, JASON; JORIA; KRISTI	4440 THORNBURG DR	4440 THORNBURG DR	BISMARCK ND	58504	2.2	0.5	$ 3,506.07		1	
38-138-80-27-01-01C	WETCH, TIM & CARLA	4002 ENGLAND ST	3924 ENGLAND ST	BISMARCK ND	58504	0.29	0.1	$ 701.21		1	
38-138-80-27-01-02C	IGOE, CODY	4022 ENGLAND ST	815 N 32ND ST	BISMARCK ND	58501	1.5	0.5	$ 3,506.07		1 per phone call	
38-138-80-27-01-03C	MILLER, DENNIS S & TAMARA M	4030 ENGLAND ST	4030 ENGLAND ST	BISMARCK ND	58504	3.09	0.5	$ 3,506.07	1		
38-138-80-27-01-04C	STEELE, CHAD &	4100 ENGLAND ST	605 YORKSHIRE LN	BISMARCK ND	58504	1.5	0.5	$ 3,506.07	1		
38-138-80-27-01-05C	ECKROTH, RODNEY & LUWANNA	4304 ENGLAND ST	4330 ENGLAND ST	BISMARCK ND	58504	1.55	0.5	$ 3,506.07	1		
38-138-80-27-01-06C	ECKROTH, RODNEY & LUWANNA	4330 ENGLAND ST	4330 ENGLAND ST	BISMARCK ND	58504	7.59	0.75	$ 5,259.11	1		
38-138-80-35-01-01C	LEINIUS, NEIL C & JANE K	4403 GLENWOOD DR	1119 UNIVERSITY DR #1324	BISMARCK ND	58504	1.21	0.25	$ 1,753.04	1		
38-138-80-35-01-02C	SCHMIDT, DAN & MICHELLE	4423 GLENWOOD DR	1524 OMAHA DRIVE	BISMARCK ND	58504-7126	0.27	0.1	$ 701.21			
38-138-80-35-02-01C	LADUCER, JAMES K & SUSAN C	4404 GLENWOOD DR	4616 EARHART LN	BISMARCK ND	58504-7681	2.02	0.5	$ 3,506.07		1	
38-138-80-35-02-02C	POLLERT, WYATT W & KELLY L	4444 GLENWOOD DR	4444 GLENWOOD DR	BISMARCK ND	58504-8067	1.66	0.25	$ 1,753.04	1		
38-138-80-35-02-03C	POLLERT, WYATT W & KELLY L	4488 GLENWOOD DR	4444 GLENWOOD DR	BISMARCK ND	58504	1.21	0.25	$ 1,753.04	1		

38-138-80-35-02-04C	LADUCER, JAMES K & SUSAN C	4504 EARHART LA	4616 EARHART LN	BISMARCK ND	58504-7681	1.29	0.25	$ 1,753.04		1		
38-138-80-35-02-05C	LADUCER, JAMES K & SUSAN C	4535 EARHART LA	4616 EARHART LN	BISMARCK ND	58504-7681	2.18	0.5	$ 3,506.07		1		
38-138-80-35-02-06C	LADUCER, JAMES K & SUSAN C		4616 EARHART LN	BISMARCK ND	58504-7681	2.02	0.5	$ 3,506.07				
38-138-80-35-02-08C	LADUCER, JAMES K & SUSAN C	4616 EARHART LA	4616 EARHART LN	BISMARCK ND	58504-7681	4.12	0.5	$ 3,506.07		1		
38-138-80-35-02-09C	GAYTON, ROBERT H & ROXANA M	4700 EARHART LA	4700 EARHART LN	BISMARCK ND	58504-7679	1.94	0.5	$ 3,506.07		1		
38-138-80-35-02-10C	STUMPF, CLIFFORD J	4730 EARHART LA	4730 EARHART LN	BISMARCK ND	58504-7679	1.94	0.5	$ 3,506.07				
38-138-80-35-03-01C	MARTELL, IRENE M	4733 EARHART LA	4733 EARHART LN	BISMARCK ND	58504-7679	2.43	0.5	$ 3,506.07		1		
38-138-80-35-03-02C	FETCH, KENNETH	4701 EARHART LA	4701 EARHART LN	BISMARCK ND	58504-7679	2	0.5	$ 3,506.07		1		
38-138-80-35-03-03C	WAGNER, FRANKLIN & ANGELINE	4611 EARHART LA	4611 EARHART LN	BISMARCK ND	58504-7681	2.05	0.5	$ 3,506.07				
38-138-80-35-03-04C	AXVIG, RANDY & SUSAN	4550 GLENWOOD DR	4550 GLENWOOD DR	BISMARCK ND	58504-8000	1.59	0.25	$ 1,753.04		1		
38-138-80-35-03-05C	PUKLICH, ELYSE L & >	4570 GLENWOOD DR	4570 GLENWOOD DR	BISMARCK ND	58504	1.31	0.25	$ 1,753.04	1			
38-138-80-35-03-06C	RAKOWSKI, RANDY L & JANA L	4620 GLENWOOD DR	4620 GLENWOOD DR	BISMARCK ND	58504-8003	1.17	0.25	$ 1,753.04		1		
38-138-80-35-03-07C	SKIONSBY, RICHARD W &	4646 GLENWOOD DR	PO BOX 4105	BISMARCK ND	58502-4105	2.31	0.25	$ 1,753.04		1		
38-138-80-35-03-09C	REUTHER, WAYNE A & KAREN L	4746 GLENWOOD DR	4746 GLENWOOD DR	BISMARCK ND	58504-8066	3.37	0.5	$ 3,506.07	1			
38-138-80-50-00-01C	HARILDSTAD, DERRICK & NICOLE	4730 S WASHINGTON ST	4730 S WASHINGTON ST	BISMARCK ND	58504-8016	1.23	0.5	$ 3,506.07				
38-138-80-61-01-01C	LARSON, DAVID K & DEBORAH A	3600 ENGLAND ST	3600 ENGLAND ST	BISMARCK ND	58504	3.58	0.25	$ 1,753.04		1		
38-138-80-61-01-03C	BOGERT, MARK W & DEBORAH	3700 ENGLAND ST	3700 ENGLAND ST	BISMARCK ND	58504-8968	2.4	0.5	$ 3,506.07				
38-138-80-67-01-01C	ZOLLER, WILLIAM & SHERYL	160 SW 48TH AV	160 SW 48TH AVE	BISMARCK ND	58504	1.05	0.1	$ 701.21	1			
38-138-80-73-01-01C	HAUSAUER, LORI J	4430 S WASHINGTON ST	4430 S WASHINGTON ST	BISMARCK ND	58503-8010	1.91	0.5	$ 3,506.07				
38-138-80-73-01-02C	THOMPSON, ROBERT W & LAVERNE	4410 S WASHINGTON ST	4410 S WASHINGTON ST	BISMARCK ND	58504-8010	1.5	0.5	$ 3,506.07				
38-138-80-76-01-01C	MOSER, WADE & LYNN	3425 ENGLAND ST	1105 W BURLEIGH AVE	BISMARCK ND	58504	1.77	0.25	$ 1,753.04	1			
38-138-80-81-03-09C	NEUMANN, CASEY & GENA		4429 DOWNING ST	BISMARCK ND	58504	1.6	0.5	$ 3,506.07		1		
38-138-80-83-01-01C	LARSON, DAVID K & DEBORAH A		3600 ENGLAND ST	BISMARCK ND	58504	1.47	0.25	$ 1,753.04	1			
38-138-80-89-01-01C	STUMPF, DANA	110 SHEEHAN RD	110 SHEENAN RD	BISMARCK ND	58504-8978	1.95	0.5	$ 3,506.07	1			
38-138-80-89-01-02C	KLEIN, MARK & RENEA	200 SHEEHAN RD	200 SHEEHAN RD	BISMARCK ND	58504-8972	1.99	0.5	$ 3,506.07	1			
38-138-80-89-01-03C	GOETZFRIED, DARRIN M & TRCEY A	230 SHEEHAN RD	230 SHEEHAN RD	BISMARCK ND	58504-8972	2.15	0.5	$ 3,506.07	1			
38-138-80-89-02-01C	FISCHER, RANDAL L & STACY J	201 SHEEHAN RD	201 SHEEHAN RD	BISMARCK ND	58504-8972	2.03	0.5	$ 3,506.07	1			
38-138-80-89-02-02C	REICHERT, MATHEW E & SHELLY M	231 SHEEHAN RD	231 SHEEHAN RD	BISMARCK ND	58504	1.86	0.5	$ 3,506.07	1			
38-138-80-91-01-01C	WETCH, TIMOTHY P & CARLA M	3924 ENGLAND ST	3924 ENGLAND ST	BISMARCK ND	58504-8969	2.47	0.5	$ 3,506.07	1			
									76	46	$	508,030.00
						363.68						

July 15, 2015

Bismarck Tribune
Attn: Carmen
PO Box 5516
Bismarck, ND 58506

SUBJECT: Legal Notice

Dear Carmen:

Enclosed is a Notice of Order and Public Hearing and Assessment List. The Notice and List should be published once a week for two weeks, specifically, the week of July 21 and the week of July 28, 2015.

Please provide proof of publication. Billing should be sent to Mona Livdahl, Burleigh County Water Resource District, 1811 East Thayer Avenue, Bismarck, ND 58501. If you have any questions or would like the notice or list provided electronically, please feel free to call at (701)323-0200.

Sincerely,

HOUSTON ENGINEERING, INC.

Craig Odenbach, P.E.

Encl.

BURLEIGH COUNTY WATER RESOURCE DISTRICT
BURLEIGH COUNTY, NORTH DAKOTA

NOTICE OF ORDER AND HEARING ON SPECIAL ASSESSMENTS FOR THE MISSOURI RIVER CORRECTINAL CENTER FLOOD CONTROL PROJECT

NOTICE IS HEREBY GIVEN that the Burleigh County Water Resource District has determined that the Missouri River Correctional Center Flood Control Project was approved by 62% of the votes cast and issued an **ORDER** confirming the approval of the project dated July 14th, 2015.

NOTICE IS ALSO HERBY GIVEN that the Burleigh County Water Resource District will hold a **PUBLIC HEARING** on **August 11, 2015** at 8:00 am, Central Time, in the Tom Baker Meeting Room of the City-County Building, 221 North 5th Street, Bismarck, North Dakota, to hear any objections to the special assessment for the Missouri River Correctional Center Flood Control Project. This hearing is being held in accordance with ND Century Code Section 64-16.1-22. The Assessment List is attached.

Burleigh County Water Resource District

1811 East Thayer Avenue
Bismarck, North Dakota 58501
(701) 222-3499
www.bcwrd.org

ORDER

MISSOURI RIVER CORRECTIONAL CENTER FLOOD CONTROL PROJECT

BE IT HEREBY ORDERED AND RESOLVED by the Water Resource Board (the "Board") of the Burleigh County Water Resource District, Burleigh County, North Dakota, as follows:

1. This Board, by resolution adopted July 14th, 2015, having determined that the Missouri River Correctional Center Flood Control Project (the "Project") is approved, the Board hereby determines and orders that said Project is established.

2. The Board shall meet on August 11th, at 8:00 p.m., Central Time, in the Tom Baker Meeting Room of the City-County Building, 221 North 5th Street, Bismarck, North Dakota, to hear objections to the special assessments for the Project as shown on the Assessment List for the Project heretofore prepared by the Board, which Assessment List is available for public inspection in the office of the Burleigh County Auditor and in the office of the Secretary for the Board.

3. This Order shall be included as part of the notice of the aforementioned hearing given by the Secretary for the Board.

ATTEST:

BURLEIGH COUNTY WATER RESOURCE DISTRICT

_____
Secretary

_____
Chairman, Water Resource Board

The governing body of the political subdivision acted on the foregoing resolution on this 14th day of July, 2015, as follows:

Adoption moved by _____ Seconded by _____.

Roll Call Vote (List Last Names)

"Aye" _____

"Nay" _____

Absent _____

Current Board Members:

Terry Fleck, Chairman, Bismarck 223-9768 Dennis Reep, Vice Chairman, Bismarck 557-9621 Gordon Weixel, Secretary/Treasurer, Bismarck 258-5390
Greg Larson, Manager, Bismarck 400-7217 Rick Detwiller, Manager, Bismarck 223-8782

Burleigh County Water Resource District

1811 East Thayer Avenue
Bismarck, North Dakota 58501
(701) 222-3499
www.bcwrd.org

TO: **Missouri River Correctional Center Area Residents**
FROM: **Burleigh County Water Resource District**
SUBJECT: **Notice of Assessment Hearing**
DATE: **July 15, 2015**

The Burleigh County Water Resource District (District) has confirmed by Resolution dated July 14th, 2015 that less than 50% of the votes cast in the matter of the assessment district for the proposed Missouri River Correctional Center Flood Control Project were cast in opposition, thus the project has passed and has been approved by Order of the District dated July 14, 2015.

Therefore, enclosed is a copy of the Notice of Order and Hearing and a copy of the assessment list. The purpose for this public hearing is to provide an opportunity to hear objections to the assessments as approved by the voters in accordance with ND Century Code Section 61-16.1-22.

Current Board Members:

Terry Fleck, Chairman, Bismarck 223-9768 Dennis Reep, Vice Chairman, Bismarck 557-9621 Gordon Weixel, Secretary/Treasurer, Bismarck 258-5390
Greg Larson, Manager, Bismarck 400-7217 Rick Detwiller, Manager, Bismarck 223-8782

BURLEIGH COUNTY Water Resource DISTRICT

Burleigh County Water Resource District

1811 East Thayer Avenue
Bismarck, North Dakota 58501
(701) 222-3499
www.bcwrd.org

RESOLUTION REGARDING THE ASSESSMENT VOTE FOR THE MISSOURI RIVER CORRECTIONAL CENTER FLOOD CONTROL PROJECT

BE IT RESOLVED by the Water Resource Board (the "Board") of the Burleigh County Water Resource District, Burleigh County, North Dakota, as follows:

1. The Board has met and examined the votes filed with the Secretary concerning the proposed Missouri River Correctional Center Flood Control Project (the "Project").

2. The Board hereby finds that a total of 397,238 votes of the affected landowners concerning the proposed Project have been duly filed with the Secretary, that 247,529, or 62%, of these votes have been cast in favor of the proposed project, and that 149,709, or 38%, of these votes have been cast against the proposed Project.

3. The Board having found as set forth above that the number of votes filed against the proposed Project is less than 50% of the total votes filed, the Board hereby determines that the Project has been approved and that the Board shall issue an order establishing the Project.

ATTEST:

BURLEIGH COUNTY WATER RESOURCE DISTRICT

_____
Secretary

_____
Chairman, Water Resource Board

The governing body of the political subdivision acted on the foregoing resolution on this 14th day of July, 2015, as follows:

Adoption moved by _____ Seconded by _____.

Roll Call Vote (List Last Names)

"Aye" _____

"Nay" _____

Absent _____

Current Board Members:

Terry Fleck, Chairman, Bismarck 223-9768 Dennis Reep, Vice Chairman, Bismarck 557-9621 Gordon Weixel, Secretary/Treasurer, Bismarck 258-5390
Greg Larson, Manager, Bismarck 400-7217 Rick Detwiller, Manager, Bismarck 223-8782

Burleigh County Water Resource District (BCWRD)
Profit & Loss Budget vs. Actual
January through June 2015

	Jan - Jun 15	Budget	$ Over Budget
Income			
31110 · Real Estate Tax	537,417.98	583,800.00	-46,382.02
31810 · In Lieu of Tax	6,010.92	5,000.00	1,010.92
33610 · State Aid Distribution	48,129.66	50,000.00	-1,870.34
33620 · Homestead Credit	0.00	4,000.00	-4,000.00
33810 · Reimbursements			
33810-A · Missouri River Correctional	0.00	50,000.00	-50,000.00
33810-C · Apple Valley Special Assessment	28,089.89	18,000.00	10,089.89
33810-E · Country Ridge/Creek	10,630.07	10,000.00	630.07
33810-F · Apple Creek Industrial Park	0.00	65,200.00	-65,200.00
33810-G · Burnt Creek	22,677.16	108,000.00	-85,322.84
33810 · Reimbursements - Other	0.00	50,000.00	-50,000.00
Total 33810 · Reimbursements	61,397.12	301,200.00	-239,802.88
36110 · Interest	47.21	100.00	-52.79
36210 · McDowell Dam Recreation Income	1,247.32	10,000.00	-8,752.68
36215 · McDowell Dam Land Lease	2,675.00	2,700.00	-25.00
36910 · Misc Revenue	1,551.44	2,700.00	-1,148.56
Total Income	658,476.65	959,500.00	-301,023.35
Gross Profit	658,476.65	959,500.00	-301,023.35
Expense			
111 · Payroll Expenses	9,483.34	35,000.00	-25,516.66
111A · Payroll Taxes	250.00	3,500.00	-3,250.00
112 · Management Services			
113 · Accounting Services	750.00	3,000.00	-2,250.00
112 · Management Services - Other	6,958.00	18,000.00	-11,042.00
Total 112 · Management Services	7,708.00	21,000.00	-13,292.00
114 · Audit	5,726.45	2,000.00	3,726.45
312 · Legal Fees	5,739.20	24,000.00	-18,260.80
315 · Engineering Administration	10,960.00	24,000.00	-13,040.00
328 · Liability Insurance	2,576.25	2,000.00	576.25
335 · Building Rent	720.93	2,000.00	-1,279.07
341 · Travel	0.00	1,200.00	-1,200.00
376 · Dues & Publications	636.10	2,500.00	-1,863.90
411 · Office Supplies	275.85	2,500.00	-2,224.15
904 · McDowell Dam			
904-1 · Engineering Costs	4,798.00		
904-2 · Legal Fees	543.20		
904-A · Administrative Fee	14,301.85		
904 · McDowell Dam - Other	57,267.30	194,700.00	-137,432.70
Total 904 · McDowell Dam	76,910.35	194,700.00	-117,789.65
905 · McDowell Dam-Capital Improvemen	0.00	2,500.00	-2,500.00
910 · Projects			
910A · Missouri River Shared			
910A-1 · Engineering Costs	3,372.00		

Burleigh County Water Resource District (BCWRD)
Profit & Loss Budget vs. Actual
January through June 2015

	Jan - Jun 15	Budget	$ Over Budget
Total 910A · Missouri River Shared	3,372.00		
910B · Hogue Island			
910B-1 · Engineering Costs	6,003.25		
910B-2 · Legal Fees	4,527.60		
Total 910B · Hogue Island	10,530.85		
910D · MRCC			
910D-1 · Engineering Costs	14,412.00		
910D-2 · Legal Fees	69.30		
910D · MRCC - Other	733.17	124,600.00	-123,866.83
Total 910D · MRCC	15,214.47	124,600.00	-109,385.53
910F · Apple Creek Industrial Park			
910F-2 · Legal Fees	46.20		
Total 910F · Apple Creek Industrial Park	46.20		
910G · Burnt Creek			
910G-1 · Engineering Costs	38,883.63		
910G-2 · Legal Fees	1,339.80		
910G · Burnt Creek - Other	433,150.50	400,000.00	33,150.50
Total 910G · Burnt Creek	473,373.93	400,000.00	73,373.93
910H · Fox Island			
910H-1 · Engineering Costs	1,688.00		
910H-2 · Legal Fees	231.00		
Total 910H · Fox Island	1,919.00		
910I · Apple Valley			
910I-3 · Interest Charges	2,800.00		
Total 910I · Apple Valley	2,800.00		
Total 910 · Projects	507,256.45	524,600.00	-17,343.55
911 · Misc	39.38	3,000.00	-2,960.62
920 · Continuing Education	0.00	2,500.00	-2,500.00
932 · City/County Watershed Planning			
932A · Ash Coulee			
932A-1 · Engineering Costs	1,452.00		
Total 932A · Ash Coulee	1,452.00		
932 · City/County Watershed Planning - Other	0.00	20,000.00	-20,000.00
Total 932 · City/County Watershed Planning	1,452.00	20,000.00	-18,548.00
933 · Missouri River General Services	774.00	2,500.00	-1,726.00
937 · Design/Special Assessment			
937A · Apple Valley - Administrative	562.50		
Total 937 · Design/Special Assessment	562.50		
940 · Operations & Maintenances			
940A · Burnt Creek Watershed			
940A-1 · Engineering Costs	6,683.50		
940A-2 · Legal Fees	161.70		
Total 940A · Burnt Creek Watershed	6,845.20		
Total 940 · Operations & Maintenances	6,845.20		

Burleigh County Water Resource District (BCWRD)
Profit & Loss Budget vs. Actual
January through June 2015

	Jan - Jun 15	Budget	$ Over Budget
941 · Stream Gages			
941A · Apple Creek & Hay Creek			
941A-1 · Engineering Costs	460.00		
941A · Apple Creek & Hay Creek - Other	2,600.00		
Total 941A · Apple Creek & Hay Creek	3,060.00		
Total 941 · Stream Gages	3,060.00		
960 · Drainage Complaints			
960-1 · Engineering Costs	4,494.50		
960-2 · Legal	161.70		
960 · Drainage Complaints - Other	1,481.76	70,000.00	-68,518.24
Total 960 · Drainage Complaints	6,137.96	70,000.00	-63,862.04
970 · Storm Water Management Plans			
970-1 · SWMP Engineering Costs	4,628.50		
970 · Storm Water Management Plans - Other	0.00	20,000.00	-20,000.00
Total 970 · Storm Water Management Plans	4,628.50	20,000.00	-15,371.50
Total Expense	651,742.46	959,500.00	-307,757.54
Net Income	6,734.19	0.00	6,734.19

	Jun 30, 15
ASSETS	
Current Assets	
Checking/Savings	
American Bank Center Checking	553,889.58
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	95,037.13
Hogue Island	254,906.33
McDowell Rent	7,859.00
Designated Reserve Funds - Other	38.63
Total Designated Reserve Funds	506,858.24
Total Checking/Savings	1,060,747.82

Mona Livdahl

From: Michael Gunsch [mgunsch@houstoneng.com]
Sent: Monday, July 6, 2015 10:32 AM
To: Gordon Weixel (gweixel@nd.gov)
Cc: Craig Odenbach; Fleck Terry (tfleck@attitudedr.com); Mona Livdahl
Subject: FW: 2016 Proposed budget.xlsx
Attachments: 2016 Proposed budget.xlsx

Gordon:

See attached as a starting point for the Admin side.

More to be done on the project side budgets.

Still working on Burnt Creek Bonding for the meeting, and after the meeting will set funding for other projects.

Goal would be to have the budget ready and approved by August 1st. This appears to require a special meeting to approve the budget as it is due to the County Commission early August probably prior to the regular meeting. Given the nature of this I am thinking a separate budget meeting would be appropriate and necessary. Am including Terry on this as well as so the Board can call for the meeting.

Thoughts?

Michael Gunsch
Principal / Senior Project Manager
Houston Engineering, Inc.
3712 Lockport St, Bismarck, ND 58503
O 701.323.0200 | F 701.323.0300 | C 701.527.2134
www.houstoneng.com

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From: Mona Livdahl [mailto:mona@midco.net]
Sent: Tuesday, June 23, 2015 3:16 PM
To: Michael Gunsch
Cc: 'Nancy Buechler'
Subject: 2016 Proposed budget.xlsx

Courtesy of Nancy! ☺

7/7/2015

Burleigh County Water Resource District

	Exp 2011	Exp 2012	Exp 2013	Budget 2014	2015 Budget	2016 Proposed
Income						
31110 · Real Estate Tax	$ 564,216.67	593,186.00	589,761.27	$ 512,100.00	$583,800.00	$ 778,400.00
31810 · In Lieu of Tax	$ 3,071.88	3,158.00	3,715.04	$ 3,500.00	$5,000.00	$ 5,000.00
33610 · State Aid Distribution	$ 72,940.83	60,759.00	56,446.32	$ 50,000.00	$50,000.00	$ 50,000.00
33810 · Reimbursements - Total	$ -	-	0.00	$ 1,032,977.00	$301,200.00	
33810 - Other GRANTS				$ 6,000.00		
33810-A MRCC						
33810-B Sibley Area Flood						
33810-C Apple Valley Special Assessment District						
33810- D Fox Island Flood Control						
33810-E County Ridge/Creek						
33810-F Apple Creek Ind. Park						
33810-G Brunt Creek						
34110 - Operations & Maintenance 34110-b Apple Valley Lagoon	$ -			$ -		
34220 · Operating Grants(County Gages)	$ 42,325.00	-	8,505.00			
36110 - Interest	$ 1,747.94	1,520.00	46.00	$ 100.00	$100.00	$ 100.00
33620 - Homestead Credit	$ 4,534.74	4,429.00		$ 4,000.00	$4,000.00	$ 4,000.00
36210 - McDowell Dam Rec. Income				$ 8,500.00	$10,000.00	$ 10,000.00
36215 - McDowell Dam Lease					$2,700.00	$ 2,700.00
36910 · Misc Revenue	$ 15,335.74	2,585.00	12,367.39	$ 2,600.00	$2,700.00	$ 2,500.00
Total Income	$ 704,172.80	665,637.00	670,841.02	$ 1,619,777.00	$959,500.00	$852,700.00

Burleigh County Water Resource District

Expense	Exp 2011 Exp 2011	Exp 2012 jan-Dec 2012	Exp 2013 Jan - Dec 13	Budget 2014 Budget 2014	Budget Proposed 2015 budget	Proposed
111 - Payroll Expenses	29790	21,465.00	27,149.87	$ 30,000.00	$ 35,000.00	$ 35,000.00
111A - Payroll Taxes			1,128.71		$ 3,500.00	$ 3,500.00
112 - Management Services	3973.39	6,247.00	8,575.06	$ 10,500.00	$ 18,000.00	$ 18,000.00
113-Accounting services				$ 3,000.00	$ 3,000.00	$ 3,000.00
114 -Audit State				$ 1,500.00	$ 2,000.00	$ 5,000.00
312 - Legal Fees	15492.29	32,765.00	49,835.10	$ 25,000.00	$ 24,000.00	$ 24,000.00
315 - Engineering Administration		45,366.00	75,931.69	$ 50,000.00	$ 24,000.00	$ 24,000.00
328 - Liability Insurance	610.36	636.00	726.41	$ 800.00	$ 2,000.00	$ 2,000.00
335 - Building Rent	1640.92	1,323.00	1,445.70	$ 1,500.00	$ 2,000.00	$ 2,000.00
341 - Travel	97.6	69.00	397.00	$ 1,200.00	$ 1,200.00	$ 1,200.00
376 - Dues & Publications	2325	2,225.00	2,965.00	$ 3,100.00	$ 2,500.00	$ 2,500.00
411 - Office Supplies	1859.63	2,710.00	764.26	$ 2,000.00	$ 2,500.00	$ 2,500.00
904 - McDowell Dam	164499	139,399.00	158,910.67	$ 196,500.00	$ 194,700.00	
Capital Improvements admin (5%)					$ -	
Improvements	1243.5	1,470.00	14,342.23	$ 3,500.00	$ 2,500.00	
910 -Projects	18800.39	72,395.00		$ 1,235,035.00	$ 524,600.00	
910-A MRCC						
910-B Silby Island						
910-c Apple Valley Lagoon						
910-D Burnt Creek Floodway						
910 - E County Creek/Ridge						
910-F Apple Creek Indus. Park						
911 - Misc	2038.05	1,727.00	312.00		$ 3,000.00	$ 2,500.00
920 - Continuing Education	1050	375.00	1,088.95	$ 1,500.00	$ 2,500.00	$ 2,500.00
932 - City/County Watershed Planning	0	-	6,548.97	$ 15,000.00	$ 20,000.00	
933 - Missouri River General Services	0	11,475.00	34,584.08	$ 10,000.00	$ 2,500.00	
937 Special Assessment					$ -	
940 O&M						
940A - Brunt Creek Watershed						
941 Stream Gages(Burleigh County)				$ 6,000.00	$ -	
942 Loan/Special Assesments Dist.				$ 2,000.00		
960 Drainage Complaints (16)			18,315.74	$ -	$ 70,000.00	
970 Storm Water Management Plans				$ -	$ 20,000.00	
Total Expense	444566.08	450,933.00	732,666.57	$ 1,918,635.00	$ 959,500.00	$ 127,700.00
	$ 259,606.72	$ 214,764.00	[illegible]	[illegible]		[illegible]

American

Burleigh County Water Resource District

Pledged Securities

June 24, 2015

Security Number	Par Value	Description	Maturity Date	Market Value
3133ECZY3	1,000,000	Fed Farm Cr Bk	09-17-20	1,053,920
357216AW0	255,000	Fremont Cnty IA	06-01-20	259,006
TOTALS...	1,255,000			1,312,926

DICKINSON - AMERICAN BK CENTER
RHONDA MAHER
140 1 AVE WEST
DICKINSON, ND 58601

Internal USE ONLY
Client Code: BUWR
Client Name: BURLEIGH CO WATER RESOURCE DIS
Retention Date: 09/17/2020

Pledged Custody Holdings for Currency USD

As of 06/24/2015

Security Receipt	Acquired Cost Basis	Current Face Pldg Original Face Pldg	Description Rate, Maturity
3133ECZY3	12/23/2013		FFCB
175002561			2.84, 09/17/2020
*Pledged (BUWR)	As of 06/24/2015	1,000,000.00	BURLEIGH CO WATER RESOURCE DIS
357216AW0	03/19/2014		FREMONT CNTY IA GO
174010899			2.00, 06/01/2020
Pledged (buwr)	As of 03/17/2015	255,000.00	BURLEIGH CO WATER RESOURCE DIS
Pledged USD Par		**1,255,000.00**	
Pledged USD Orig Face		**1,255,000.00**	

*COLLATERAL SUBSTITUTED
3134G4AF5 FHLMC 12/27/19 $1,000,000

BCWRD Invoices
7-14-15

Name	Project	Invoice	Amount
Bain Agency - Insurance	Commercial General Liability Coverage	GL0340102	$1,856.00
Bismarck Parks & Rec	Accrued Sick Leave	3896	$12,015.60
Bismarck Parks & Rec	Accrued Sick Leave @25% Admin. Fee	3896	$3,003.90
Bismarck Parks & Rec	May expense	3896	$15,332.47
Bismarck Parks & Rec	Admin. Fee	3896	$3,833.12
Bliss Law Firm	June	18376	$1,917.30
Bliss Law Firm	June - meeting	18448	$1,000.00
City Of Bismarck	Building expenses for May	95	$29.06
City of Blsmarck	June Rent	91	$95.33
City of Bismarck - Public Works	Lower Burnt Creek Survey	-000000042	$15,000.00
County of Burleigh	Hogue Island Weed Spraying	015-000196	$112.46
Detwiller, Rick	2nd Quarter	2nd	$945.00
Fleck, Terry	2nd Quarter	2nd	$2,205.00
Houston Engineering	General	25696	$1,000.00
Houston Engineering	McDowell Dam	25695	$343.00
Houston Engineering	Burnt Creek Floodway	25697	$6,034.38
Houston Engineering	Fox Island Flood Control	25699	$852.00
Houston Engineering	Missouri River Studies	25698	$2,148.00
Houston Engineering	Missouri River Correctional (WO 18)	25700	$3,400.50
Houston Engineering	Hogue Island Acquisition Site Restoration	25701	$1,742.00
Houston Engineering	Drainage Complaints	25702	$1,472.75
Houston Engineering	Country Creek 3rd	25703	$400.00
Houston Engineering	Missouri River Bank Stabilization	25704	$1,860.00
Houston Engineering	Apple Creek Watershed Project	25705	$2,572.75
Houston Engineering	Drain Permit Applications	25706	$3,167.00
IRS - Quarterly Federal Tax Return	April, May, June		$688.52
Larson, greg	2nd Quarter	2nd	$810.00
ND Insurance Reserve	Commercial Building & Personal Property Ins.	2015-16	$710.29
ND Job Service	Employers contribution		$4.29
Personalized Management	Secretarial/Accounting/Supplies		$1,652.47
Reep, Dennis	2nd Quarter	2nd	$1,269.98
Weixel, Gordon	2nd Quarter	2nd	$585.00
		TOTAL:	***$88,058.17***

Bohlman Trenching	Pay request #2		$73,905.21

$161,963.38

Mona Livdahl

From: Michael Gunsch [mgunsch@houstoneng.com]
Sent: Saturday, July 4, 2015 11:14 AM
To: Mona Livdahl
Cc: Fleck Terry (tfleck@attitudedr.com); Gordon Weixel (gweixel@nd.gov)
Subject: FW: FAA Letter Concerning ACIP Proposed Storm Water Plan
Attachments: image2015-06-05-090849.pdf

Mona – Please include this letter in the board packet.

Michael Gunsch
Principal / Senior Project Manager
Houston Engineering, Inc.
3712 Lockport St, Bismarck, ND 58503
O 701.323.0200 | F 701.323.0300 | C 701.527.2134
www.houstoneng.com

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From: Tom Neigum [mailto:tom.neigum@kljeng.com]
Sent: Monday, June 22, 2015 6:41 AM
To: Michael Gunsch; loster@bismarcknd.gov
Cc: Tim Thorsen (tthorsen@bismarcknd.gov); Greg Haug (ghaug@bismarcknd.gov)
Subject: FAA Letter Concerning ACIP Proposed Storm Water Plan

Good morning,

Attached is the FAA response to the ACIP Proposed Storm Water Plan for your information.

Tom

Tom Neigum, PE (ND, SD, MN, MT, WY)
KLJ
701-355-8415 Direct
701-226-7301 Cell
4585 Coleman Street
Bismarck, ND 58503-0431
kljeng.com

U.S. Department
of Transportation
Federal Aviation Administration

Federal Aviation Administration
Dakota-Minnesota Airports District Office
Bismarck Office
2301 University Drive, Building 23B
Bismarck, ND 58504

Federal Aviation Administration
Dakota-Minnesota Airports District Office
Minneapolis Office
6020 28th Avenue South, Suite 102
Minneapolis, MN 55450

June 4, 2015

Mr. Greg Haug, Airport Director
Bismarck Municipal Airport
Box 991
Bismarck, ND 58501

Dear Mr. Haug:

Bismarck Municipal Airport
Bismarck, North Dakota
Apple Creek Industrial Park Proposed Storm Water Plan

I am writing you in regards to the proposed Storm Water Management Plan (SWMP) for the Apple Creek Industrial Park on the Northeast side of airport property. It is our understanding the plan was put together for private property owners and proposes to drain storm water collected from the proposed Apple Creek Industrial Park complex onto airport property where detention ponds would be built. You have asked us to review the proposed plan and to provide guidance on the acceptability of the plan. As we consider this plan a few pertinent facts and reminders come to mind. These include:

1. The Bismarck Municipal Airport is an airport Certificated under 14 CFR Part 139.
2. The Bismarck Municipal Airport is an active participant in the FAA's Airport Improvement Program. Sponsors that have received Federal grant-in-aid assistance are required by their grant assurances to take appropriate actions to restrict the use of land next to or near the airport to uses that are compatible with normal airport operations.
3. Over the past 14 years, the FAA has invested over $50 million in safety and infrastructure improvements at the Bismarck Municipal Airport for the good of the local and national traveling public. Of the $50 million, over $3 million was targeted towards studying, planning designing or constructing projects to mitigate or eliminate environmental conditions that are not compatible with airport operations, with another $6M being planned in upcoming projects.
4. FAA has released several documents that provide clear guidance in the areas of compatible land use in and around airports, and managing wildlife hazards on or near airports.

As an airport certificated under 14 CFR Part 139, the airport operator is required to operate and maintain the airport according the federal requirements. A couple of these requirements come into play with regard to the proposed Storm Water Management Plan (SWMP) for the Apple Creek Industrial Park:

- Part 139.309 Safety Areas. (b) Each Certificate holder shall maintain its safety areas as follows: (2) be drained by grading or storm sewers to prevent water accumulation and, (c) FAA Advisory Circulars contain methods and procedures for the configuration and maintenance of the safety areas acceptable to the administrator.
- Part 139.337 Wildlife Hazard Management. (a) In accordance with its Airport Certification Manual and the requirements of this section, each certificate holder shall take immediate action to alleviate wildlife hazards whenever they are detected.

In accordance with the above noted sections, the airport operator must commit to actions it will take to comply with the federal regulation. These actions are described in its Airport Certification Manual (Part 139.201). Two of these areas the airport operator is obligated to manage include maintaining its safety areas in a safe and serviceable condition and managing/removing wildlife hazards. The airport operator needs to determine if the proposal will conflict with its responsibilities under Part 139.

Grant Assurance 21, *Compatible Land Use*, relates to the obligation of the airport sponsor to take appropriate actions to zone and control existing and planned land uses to make them compatible with aircraft operations at the airport. The FAA recognizes that not all airport sponsors have direct jurisdictional control over uses of property near the airport. However, for the purpose of evaluating airport sponsor compliance with the compatible land use assurance, the FAA does not consider a sponsor's lack of direct authority as a reason for the sponsor to decline to take any action at all to achieve land use compatibility outside the airport boundaries. In all cases, the FAA expects a sponsor to take appropriate actions to the extent reasonably possible to minimize incompatible land uses. Quite often, airport sponsors have a voice in the affairs of the community where an incompatible development is located or proposed. The sponsor should make an effort to ensure proper zoning or other land use controls are in place.

When considering proposed land uses, airport operators, local planners, and developers must take into account whether the proposed land uses, including new development projects, will increase wildlife hazards. The wildlife species and the size of the populations attracted to the airport environment vary considerably, depending on several factors, including land-use practices on or near the airport. Land-use practices that attract or sustain hazardous wildlife populations on or near airports can significantly increase the potential for wildlife strikes.

- Airports selling Jet-A fuel like Bismarck Municipal Airport normally serve turbine-powered aircraft. Notwithstanding more stringent requirements for specific land uses, the FAA recommends a separation distance of 10,000 feet at these airports for any of the hazardous wildlife attractants mentioned in Section 2 in FAA AC 150/5200-33B *Hazardous Wildlife Attractants On or Near Airports* (hereinafter referred to as 5200-33B). This distance is to be maintained between an airport's Air Operations Area (AOA) and the hazardous wildlife attractant.

- For new storm water management facilities, the FAA strongly recommends that off-airport storm water management systems located within the separations identified in

5200-33B Sections 1-2 through 1-4 be designed and operated so as not to create above-ground standing water.

As a result, the FAA recommends that airport operators to the extent practicable oppose off-airport land-use changes or practices within the separations identified in 5200-33B Sections 1-2 through 1-4 that may attract hazardous wildlife. Failure to do so may lead to noncompliance with applicable grant assurances.

Over the past 14 years, the FAA has invested significantly in assisting the airport sponsor mitigate or eliminate environmental conditions that are not compatible with airport operations. The proposal appears to conflict with the direction the airport sponsor has taken toward managing and/or eliminating wildlife attractants.

Finally, in accordance with airport design criteria and our guidance on Wildlife Hazard Management, the FAA will not approve the placement of airport development projects pertaining to aircraft movement in the vicinity of hazardous wildlife attractants without appropriate mitigating measures. Increasing the intensity of wildlife control efforts is not a substitute for eliminating or reducing a proposed wildlife hazard. Airport operators should identify hazardous wildlife attractants and any associated wildlife hazards during any planning process for new airport development projects. The airport operator should review its Airport Capital Develop Plan and its ALP to determine if the proposed project will impact its ability to move forward with planned infrastructure or safety projects.

There are a number of sources that can assist an airport sponsor in dealing with incompatible land uses. Some of these are:

1. AC 150/5300-13 *Airport Design*
2. AC 150/5200-33B *Hazardous Wildlife Attractants on or Near Airports*, August 28, 2007.
3. Land Use Compatibility and Airports, a Guide for Effective Land Use Planning (PDF format), issued by the FAA Office of Environment and Energy.
4. Compatible Land Use Planning Initiative (PDF format), 63 Fed. Reg. 27876, May 21, 1998.
5. *Wildlife Hazard Management at Airports*, prepared by FAA and U.S. Department of Agriculture (USDA) staff. (This manual is available at the FAA's wildlife hazard mitigation web site: http://wildlife-mitigation.tc.FAA.gov.).
6. *Prevention and Control of Wildlife Damage*, compiled by the University of Nebraska Cooperative Extension Division.

In summary, the FAA cannot support any project that results in a promotion of wildlife hazards in the immediate vicinity of an airport. However, if the proposed Storm Water Management Plan (SWMP) for the Apple Creek Industrial Park goes forth, then there are recommended mitigation efforts that should be implemented to minimize the hazardous attractant.

Respectfully,

Laurie J. Suttmeier
Manager, Acting Manager
Dakota-Minnesota Airport District Office

Burleigh County Water Resource District

1811 East Thayer Avenue
Bismarck, North Dakota 58501
(701) 222-3499
www.bcwrd.org

June 15, 2015

Earl Snyder
5307 48th Avenue SE
Bismarck, ND 58504

Re: Drainage Complaint – Apple Creek Obstruction

The Burleigh County Water Resource District received your drainage complaint sent May 21, 2015 regarding an unknown obstruction on Apple Creek. We investigated downstream conditions from Lincoln Road to Highway #1804 looking for possible obstructions. We were unable to locate anything of concern, and as near as we can tell the only reason for high water was the heavy rain. Subsequently, we are dismissing your complaint. If you believe this determination is in error, or have evidence of actual obstructions in this area, please don't hesitate to contact me.

A prior obstruction located on a stream crossing downstream owned by Barry Lesmeister was removed by order of the BCWRD. The file closed on December 9, 2014 and this area is no longer a concern.

If you have any questions, please feel free to contact me.

Sincerely,

Dennis Reep, Manager

C: Michael Gunsch, Houston Engineering

FILE COPY

Current Board Members:

Terry Fleck, Chairman, Bismarck 223-9768 Dennis Reep, Vice Chairman, Bismarck 557-9621 Gordon Weixel, Secretary/Treasurer, Bismarck 258-5390
Greg Larson, Manager, Bismarck 400-7217 Rick Detwiller, Manager, Bismarck 223-8782

Burleigh County Water Resource District

1811 East Thayer Avenue
Bismarck, North Dakota 58501
(701) 222-3499
www.bcwrd.org

July 7, 2015

Milton Wagner
3301 Arrowhead Ranch Condo Association
3313 Nebraska Drive #4
Bismarck, ND 58503

Re: Drainage Complaint – 3202 Hamilton Street: Basaraba Excavating

Dear Mr. Wagner:

In response to your May 26, 2015 drainage complaint, the Burleigh County Water Resource District (BCWRD) requested our engineer evaluate your concerns and provide guidance for this response. The impacts you are experiencing are related to runoff and flows generated by the industrial development located to the east of your residence. While it appears some measures were taken to control flows and erosion, your complaint appears to document these measures are inadequate and damages are occurring. Erosion control and storm water management within the City of Bismarck and its extraterritorial area are governed by the City of Bismarck. Subsequently, the BCWRD upon review of your complaint has determined none of the issues you are experiencing are under their jurisdiction.

Subsequently, we are forwarding documentation of your complaint to Melvin Bullinger, City Engineer who has the authority to address any storm water compliance issues with the SWMP governing the development. This is not to say the City can or will resolve your concerns, only that they have jurisdiction in this matter. Your complaint to the BCWRD is hereby dismissed. If you have any additional questions, please don't hesitate to contact me.

Sincerely,

Dennis Reep, Manager
Burleigh County Water Resource District

cc: BCWRD Board
Melvin Bullinger, Bismarck City Engineer
Linda Oster, Bismarck City Engineering
Basaraba Excavating

DRAFT

Current Board Members:

Terry Fleck, Chairman, Bismarck 223-9768 Dennis Reep, Vice Chairman, Bismarck 557-9621 Gordon Weixel, Secretary/Treasurer, Bismarck 258-5390
Greg Larson, Manager, Bismarck 400-7217 Rick Detwiller, Manager, Bismarck 223-8782

Emailed 5/27

DRAINAGE COMPLAINT
(Pursuant to Section 61-32-07 NDCC)

1. Burleigh County Water Resource District

2. Drain Location: _____ 1/4, _____ 1/4, Section _____, Twp. _____ N., Rge _____ W.
Note: Include an aerial or topographical map that shows the exact location of the drainage activity.

3. Acreage drained: ??

Lot 4, Block 1, Pebble Creek 10th Addition Bismarck, ND

Original drain construction date: May 2013

Drain revision date: _____ (if any)

Drain was constructed by: Basaraba Excavating

Method of drainage: (circle one) Ditching Pumping (Filling)

Receiving water course, if known: Missouri River

4. This drain is resulting in:

a) Flooding of land owned by Complainant: It is cutting a channel across our property.

b) Other adverse effects: Depositing sand/silt on lawn that is watered and mowed.

Complaint Filed Against: Name: Basaraba Excavating

Address: 3202 Hamilton St., Bismarck, ND 58503

Complaint Filed By: Name: 3301 Arrowhead Ranch Condo Assn.

Address: 3313 Nebraska Dr. #4, Bismarck, ND 58503

Phone: 701-255-3376

Complainant's Signature: Milton Wagner Date: 26 MAY 2015

Mail to: Burleigh County Water Resource District

1811 E. Thayer Avenue, Bismarck, ND 58501

J.1
63

09/2014

Google earth

feet 2000
meters 800

46°50'26.93" N 100°44'32.08" W

09/2013

Google earth

feet 2000
meters 800

05/2012

Google earth

feet 2000
meters 800

BASARABA

BASARABA
Excavating

BURLEIGH COUNTY Water Resource DISTRICT

Burleigh County Water Resource District

1811 East Thayer Avenue
Bismarck, North Dakota 58501
(701) 222-3499
www.bcwrd.org

July 8, 2015

Thomas J. Murphy
5600 Prairiewood Drive
Bismarck, ND 58504

Re: Drainage Complaint – Lot 9, Block 2 and Lot 8, Block 1, Prairiewood Estates

Dear Mr. Murphy:

In response to your inquiry, the Burleigh County Water Resource District (BCWRD) requested our engineer evaluate your resubmitted drainage complaint and provide guidance for this response. As you know the Storm Water Management Plan (SWMP) for this area was completed in February 1, 1999 and includes designated storm water easements. These easement areas were specifically intended to retain and store runoff from the developed properties on the surface and allow infiltration into the natural topography. These easements were necessary as there was no defined drainage path to convey these waters to a downstream watercourse. There was no requirement to excavate onsite storage in these locations in your area, though there was a notation for such work to the west and north, which is located in a separate watershed.

The completion of this SWMP provided notice to the developer, as well as future owners and builders related to the use of these easements, which includes surface water storage and groundwater risks. Therefore, the situation you are experiencing is not entirely outside known risks. The possible exception is your notation that surface storage has occurred outside the easement, and the notable lack of infiltration due to high groundwater conditions. We understand and can sympathize with your position, however the BCWRD does not have jurisdiction to resolve such issues. Subsequently, your complaint is hereby dismissed. One potential solution available is to create a special assessment district whereby the cost for a resolution would be paid by those directly benefiting from the drainage improvements. The issue at this time is that there is no defined solution and support from the beneficiaries is unknown.

As documented in a letter to you in July 2013, the best guidance we can provide is for you and others interested in a solution to contact an engineering firm that can evaluate potential alternative solutions and potential costs. We understand that you have contacted Swenson, Hagen & Co. regarding such alternatives. Note that any solution will require modifying the 1999 SWMP, which then requires approval by the City of Lincoln and County Engineer.

If it is true that a number of neighbors are interested in seeking a long term solution, the BCWRD could consider the option to establish a storm water drainage project. Also understand the FAA has requirements governing the creation of wildlife hazards within 10,000 feet of the City of Bismarck Airport's air operations area, which may limit the alternatives. The option to drain surface waters to a downstream location for retention would require authorization from that landowner or landowners, as other storm water easements were not designated to contain upstream runoff. Options to drain these waters to Apple Creek does not appear viable without considerable cost.

Current Board Members:

Terry Fleck, Chairman, Bismarck 223-9768 Dennis Reep, Vice Chairman, Bismarck 557-9621 Gordon Weixel, Secretary/Treasurer, Bismarck 258-5390
Greg Larson, Manager, Bismarck 400-7217 Rick Detwiller, Manager, Bismarck 223-8782

This response is being forwarded to Marcus Hall, Burleigh County Engineer as any project that would use roadway right-of-way would require his approval, and to Brad Krogstad, Lincoln City Engineer who would be reviewing the revised SWMP. If you have any additional questions, please let me know.

Sincerely,

Dennis Reep, Manager
Burleigh County Water Resource District

cc: BCWRD Board
Marcus Hall, Burleigh County Engineer
Brad Krogstad, Lincoln City Engineer

DRAFT

Mona Livdahl

From: Murphy, Thomas J. [tjmurphy@nd.gov]
Sent: Tuesday, June 30, 2015 12:34 PM
To: sheng@swensonhagen.com; Brad Krogstad; gerarld_wise@hotmail.com; ervwfischer@hotmail.com; steveurl@bis.midco.net
Cc: Chad Wachter; Randy Bakke; 'Michael Gunsch'; Mona Livdahl; Hall, Marcus J.
Subject: FW: PLEASE HELP RIGHT A WRONG: PRAIRIEWOOD ESTATES DRAINAGE SWMP
Attachments: PLAT MAP.pdf; SWMP REVIEW.pdf; SWMP.pdf; WP_20150623_17_32_10_Pro.jpg; WP_20150623_17_31_03_Pro.jpg; SWMP WATERSHED MAP.pdf

Mr. Krogstad & Lincoln City Council,

I am contacting you in regards to the aforementioned topic of SWMP for Prairiewood Estates, I have reviewed the a drafted SWMP, but cannot find the actual finalized document and have attached the thread following up to this correspondence for your information.

I have commented on the SWMP and also provided a sketch on the Plat Map of the areas in question an concern.

The SWMP, Page 6 paragraph two states the western portions of Lots 6 through 11 Block 2 have been reserved for stormwater retention/detention storage via stormwater easements.

The easement were put in place, but no effort to grade this land into a proper retention/detention was implemented rather the Developer reserved these areas and proceeded with no grading plans and used natural flow conditions. "see Page 4 Paragraph one of the attached SWMP"

Page 6 paragraph six, states while the depth to groundwater in this area has not been determined. It should be considered by the Developer/owner prior to construction on these lots.

Page 7 paragraph one, development in watershed #6 will increase the amount of runoff flowing into lots 3,4 and 5, the north 150 feet of these lots has been reserved as a stormwater easement. **No detention storage will be constructed at this time; however, should future conditions warrant this area would be utilized to install such storage**.

SWMP Page 6, Paragraph 5 **"Even though runoff exceeds storage under average snowmelt runoff conditions, overflows to the west are not expected**

My property 5600 Prairiewood dr is pinned between two watersheds that are recognized to be prone to storm water flooding and have increased runoff due to development, which is highlighted and pointed out throughout the entirety of the SWMP, even to the level that areas where reserved for retention. The developer to my knowledge took no effort to determine the depth to groundwater and the SWMP requires an extremely high infiltration rate of 2"/hr, but with ground water present modern engineering practice suggest using reduced infiltration rates, and that is the current issue.

Long story short, is all the water from watershed 2A,2B, and 3 flows to the east of my property with no retention, Prairiewood drive to the west all flows east to the back of lots 3,4,5 just to the west of my property with no retention and my house sits on the old Soo Line functioning as a dam-dyke between watershed 3 and 6, snow melt conditions cause flooding, stormwater events of 1.5" and over cause flooding, and the ground water is perched due to ponded waters designed into this SWMP in and around where Prairiewood dr and the old Soo Railroad grade meet. See ATTACHED PICTURES or come out and see for yourself.

Due to excess Storm water runoff and presence of an elevated water table it is my personal opinion that the SWMP for Prairiewood Estates is out of compliance, and warrants construction of the reserved areas that were to be used as retention/storm water conveyance in the initial plan.

I would like to bring this to the next Lincoln City Council meeting, and would invite anyone who I have attached to this thread to come out to Prairiewood dr and stop by have a talk with me. I can show the neighborhood and how the SWMP has affected our real estate with tree loss, sod loss, noxious weed growth, septic infiltration, basement infiltration, and excessive mosquito breeding locations due to ponded water.

Again, Thank you all for you time and if you would like a site visit give me a call.

T.J. Murphy
701-412-1998

From: Murphy, Thomas J.
Sent: Wednesday, June 24, 2015 9:05 AM
To: Hall, Marcus J.
Cc: Brad Krogstad; Mona Livdahl; 'Michael Gunsch'; Murphy, Alexi J.
Subject: FW: PLEASE HELP RIGHT A WRONG: PRAIRIEWOOD ESTATES DRAINAGE SWMP

Marcus,

Thank you; for taking the time to drive out and see my plight and respond to my request for help.

I have forwarded this e-mail to keep you in the loop. I have requested Swenson Hagen the Initial firm who designed the SWMP to investigate a solution.

I believe a simple cost effective solution to be a shallow ditch running to the north thru the current storm water easement that ties into an appropriately sized retention pond would resolve the issue of ponding storm water runoff water. I don't know if the county or township has any need to bank wetland mitigations, but this could be an opportunity to mitigate a wetland in area with ROW constraints along an adjacent corridor or provide borrow to an adjacent project with the only cost being erosion control, common excavation, and seeding, maybe ROW, but I believe the area that would contain the retention is owned and set aside for greenspace by developer.

I will keep you abreast to their response.

If it would help. I can put together a rough plan with cover sheet, scope of work, ditch cross section, ditch profile with a reasonably sized retention, along with a basis of estimate for seeding, erosion control, and common excavation quantities.

T.J. Murphy, PE
5600 Prairiewood dr
Bismarck,ND 58504

Phone:701-412-1998
Email: tjmurphy@nd.gov

From: Murphy, Thomas J.
Sent: Wednesday, June 24, 2015 8:37 AM
To: 'sheng@swensonhagen.com'
Subject: PLEASE HELP RIGHT A WRONG: PRAIRIEWOOD ESTATES DRAINAGE SWMP

Hello,

THIS IS A PLEA FOR HELP: PLEASE FORWARD TO WHOM IT CONCERNS

My name is Thomas J Murphy, I purchased a lot in a development that your firm did the SWMP "5600 Prairiewood dr, Bismarck", This is a **plea for help** your initial design constraints and assumptions are not performing under the increased rain and elevated ground water issues in Prairiewood Estates, south of Lincoln, ND. This problem has been reoccurring since 2010 and is increasingly worse with the amount of rain fall that we get and only functions under drought-dry to minimal rain conditions.

I have included pictures of the current state and from last spring to illustrate the issue that your firm designed to rely only on infiltration and soil type alone with no retention ditch system and without a ground water investigation.

I am asking that you please investigate a possible solution to the issues that you have created through your prior engineering recommendation. So that I can take it to the County/Township and request funding for a ditch running north along my east property line within the current stormwater easement and terminating at a appropriately sized retention constructed in the green space; I believe to be owned by Mr. Chad Watcher .

I am an Engineer and could put together the plans, but am not bonded thru a firm and the county would like a hired firm. I have looked into what would need to be done and believe Mr. Chad Watcher your Client at the time owns the land that would be required and the proper storm water easement exist.

If you insist on receiving compensation for correcting your prior mistake we can talk about it.

I have Included the initial Drainage Complaint I filed with the BCWRD and the thread that can bring you up to speed on who I have asked for help.

Thank You for your time and I look forward to your response.

T.J. Murphy, PE
5600 Prairiewood dr
Bismarck,ND 58504

Phone:701-412-1998
Email: tjmurphy@nd.gov

From: Hall, Marcus J.
Sent: Wednesday, June 24, 2015 8:05 AM
To: Murphy, Thomas J.
Cc: Brad Krogstad; Mona Livdahl; 'Michael Gunsch'; Murphy, Alexi J.
Subject: RE: Lincoln Drainage & 52nd ave preliminary engineering.

Thomas,
I just wanted to let you know that I did get a chance to go down to your area and review your concerns. It is obvious that this area has a water problem and I believe that it is worse than a few years back when we last reviewed options to improve drainage. Unfortunately, I do not have any solutions for drainages of this area. If an engineering firm was hired to come up with a solution I would be willing to take it to the County/Township Board to see if they would help in funding a project. Since it does not have a major effect on any of the County/Township roads in the area I am unable to help come up with a plan to solve your problem.

Sorry, I could not be of more help.

Marcus J. Hall P.E.
County Engineer
701-204-7748

From: Murphy, Thomas J.
Sent: Monday, June 22, 2015 2:39 PM
To: Hall, Marcus J.
Cc: Brad Krogstad; Mona Livdahl; 'Michael Gunsch'; Murphy, Alexi J.
Subject: Lincoln Drainage & 52nd ave preliminary engineering.

Marcus,

As you may be aware of the city of Lincoln has issues with groundwater and I have heard that you or the county may be working on some drainage plans for 52nd ave.

I currently reside at 5600 Prairiewood dr, Bismarck. I believe we fall in the Lincoln ext. or County jurisdiction.

This is a **plea for help;** when the development "Prairiewood Estates" was initially planned the Storm water management plan was to include retention, and has the proper areas allocated for storm water easement, but due to the late stages of drought and little to no moisture during the time of construction no ground water studies were done and the developer "Chad Watcher" was allowed to wave construction of proper ditch-drainage, retention system for cost purposes use "natural drainage".

That is the current state it happened, I understand this. That being said the way the development drains is all funneled to my side yard where a storm water easement exists and there is an excellent area to the north of my house for a ditch, legal drain "or retention, wetland mitigation" running west and passing thru 52nd and on to apple creek.

Currently the development has a **perched ground water issue caused by manmade county approved development roadway ditches run off** with no retention measures or ditches to address the issue other that soil type and rate of water infiltration downward, this same soil type and infiltration rates would not of been enough if the ground water study was performed initially prior to approval.

Long story short if my testimony has compelled you at all, please take the time to drive past 5600 Prairiewood drive, and just look at the lay of the land see the amount of water diverted to our properties, and in the future if the **county ever needs wetland mitigation sites** or has the funding or ability to help **PLEASE** consider addressing this issue "I have included pictures from 2014 spring it currently is at or above this level again, and my initial complaint filed with BCWRD".

I have taken this up with the developer. Mr. Watcher, he informed me that he did everything that was asked of him by the governmental bodies which approved the development and is not at fault.

I have brought this issue to Michael Gunsch and the BCWRD, he informed me SWMP enforcement are not under the BCWRD purview and differed it to the City.

I also have spoken with Mr Krogstad the Lincoln Engineer on this issue and he recognized my plea was warranted and there is an issue with drainage, but the city was unwilling to fund anything.

I have and will do everything I can on my own land to help with the issue, but it cannot be addressed by one homeowners "Landscaping Improvements"

If you do not believe this is a problem. I would again encourage you to take the drive Down Prairiewood drive and see for yourself, and then wait 2-3 weeks and do it again to see that infiltration rates are not adequate to address the amount of runoff from seemingly more frequent and heavy rain events with every year since 2010.

Thank you for your time.

T.J. Murphy, PE
5600 Prairiewood dr
Bismarck,ND 58504

Phone:701-412-1998
Email: tjmurphy@nd.gov

ADDITIONAL INFO

I also have found this on add for real estate which is also impacted by this poor development drainage plan he as multiple legs of drainage the run off the development into his lot and this drainage over time has increased the ground water levels to the point of property damage.

http://www.bismanonline.com/lincoln_nd/0_82_acres_10_minutes_from_bismarck_89_900

I also know the infiltration rates can lower this water issue and if we slip back into a drought it will not be a problem, but you can't design or plan in hopes of a drought when it comes to SWMP's.
http://nwis.waterdata.usgs.gov/nwis/uv?cb_72019=on&format=gif_default&site_no=464540100222101&period=&begin_date=2007-06-09&end_date=2015-06-16
This link lead to a real time ground water monitoring station from the USGS at or around long lake it correlates to my issue and as you can see has been on the increase or elevated since 2011"with the occasional dry July to Fall retreat of ground water" and is increasing as we speak, but my issue is not goundwater alone, rather perched areas due to poor drainage planning that can be addressed by surface drainage features.

Storm water Ponding

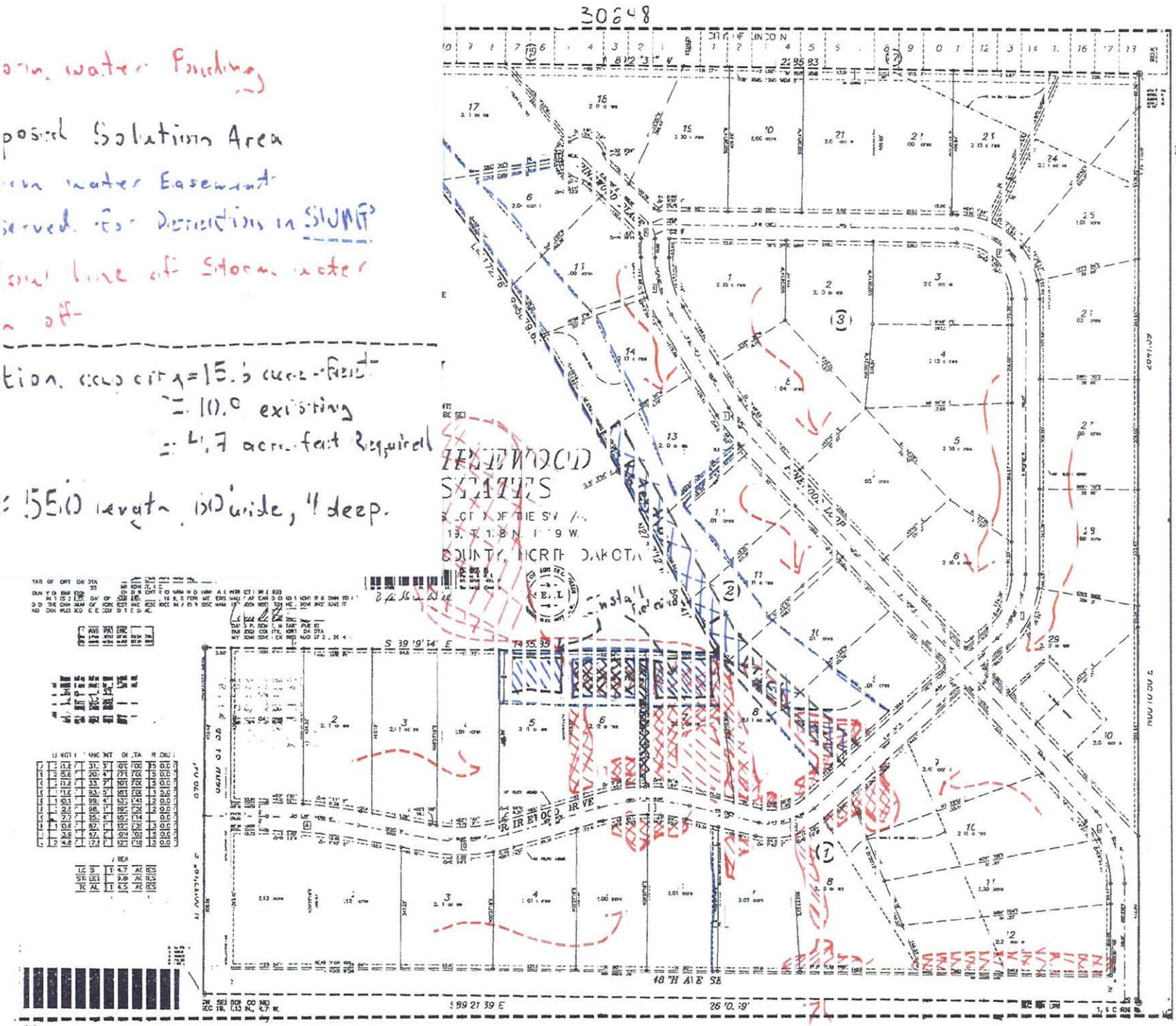
Proposed Solution Area

--- Storm water Easement Reserved for Detention in SWMP

flow line of Storm water Run off

Retention capacity = 15.6 acre-feet
= 10.9 existing
= 4.7 acre-feet Required

Size ≈ 550 length, 60' wide, 4' deep.



Prairiewood Estates

Kadrmas
Lee &
Jackson
Consulting Engineers
and Surveyors

GENE JACKSON, P.E. - L.S.
NILES HUSHKA, P.E.
BARRY SCHUCHARD, P.E.

DUANE WAMRE, L.S.
GEORGE MAY, L.S.

Roger O. Lee, P.E. - L.S. (Retired)

February 11, 1999

Mr. Dave Patience
Swenson, Hagen & Company
909 Basin Avenue
Bismarck, North Dakota 58502

Re: Final Plat Review
Prairiewood Estates

Dear Mr. Patience:

We have reviewed the above referenced plat for conformance with the City of Lincoln Zoning Ordinance and offer the following comments.

1. The storm water easements must be clearly defined on the drawing with dimensions.
2. Define the 20' landscape buffer on the north side of the subdivision. Who will be responsible for planting the tree row?
3. Label the delta angle on each curve segment along the property lines.
4. The 10' utility easement needs to continue through Lots 10, 11, and 12, Block 1.
5. Where is curve I located? There appears to be an arc length missing on Lot 10, Block 1.
6. Provide a minimum 50' non-access area (each direction) at the intersection of Prairiewood Dr. and Pinewood Loop.
7. Does the cul-de-sac have a name? What is the radius?
8. Where does Pinewood Loop begin and where does Prairiewood Dr. end?
9. On the approval blocks, list the following names:

    P&Z Chairman - Terry Fasteen
    P&Z Secretary - Carlotta Broeckel
    Mayor - Robert Johnson
    Auditor - Marlene Thurn

Please address the above comments and resubmit the document for further review and approval. If you have questions or need additional information, feel free to contact our office.

Sincerely,

Roger Berg

Roger K. Berg, PE
Project Engineer

cc: Marlene Thurn, City Auditor
Lincoln Planning Commission

J:\municipal\1498301\plat_review\prairiewoodfinalplt.doc

Kadrmas
Lee &
Jackson
Consulting Engineers
and Surveyors

GENE JACKSON, P.E. - L.S.
NILES HUSHKA, P.E.
BARRY SCHUCHARD, P.E.

DUANE WAMRE, L.S.
GEORGE MAY, L.S.

Roger O. Lee, P.E. - L.S. (Retired)

February 17, 1999

Mr. Michael Gunsch
Swenson, Hagen & Company
909 Basin Avenue
Bismarck, North Dakota 58502

Re: Storm Water Management Plan Review
Prairiewood Estates

Dear Mr. Gunsch:

We have reviewed the above referenced Plan for conformance with the City of Lincoln Zoning Ordinance and offer the following comments.

1. The storm water easements must be clearly defined on the drawing with dimensions.
2. The depression in Lot 15, Block 2 should be located entirely within the storm water easement.
3. Does the developer intend to regrade land outside the subdivision boundary (i.e. NE corner of Watershed 1)? If so, I assume a construction easement or some other type of agreement will be required.
4. Please provide some discussion of the effect of a 100 year rainfall if the storage area in the NE corner of Watershed 1 is full.
5. On page 6, paragraph 2 you mention the west portion of Lots 6-11, Block 2 being reserved for a detention area, is this correct? Also in that paragraph, please explain why Watershed 2A is considered non-contributing.
6. Please show where the ditch around the cul-de-sac will drain out.
7. On page 6, last paragraph, you state that the north 150' of Lots 3-5, Block 2 will be reserved for detention, I assume you ment Lots 5-7, please clarify. Also, please clarify the intended use of these lots, will they be filled to 1682 or left as is? Will these lots drain to the north, or is this area the low point.

Please address the above comments and resubmit the document for further review and approval. If you have questions or need additional information, feel free to contact our office.

Sincerely,

Roger Berg

Roger K. Berg, PE
Project Engineer

cc: Marlene Thurn, City Auditor
Lincoln Planning Commission

J:\Municipal\149630\plat_review\prairiewoodstorm_water.doc

SWENSON, HAGEN & CO. P.C.
PLANNING CIVIL ENGINEERING SURVEYING
SITE DESIGN CONSTRUCTION MANAGEMENT

FAX TRANSMISSION

ATTENTION: ROGER BERG FAX #:

FROM: DAVE PATIENCE DATE: 11-23-98

PROJECT: LINCOLN - PRAIRIEWOOD + COUNTRY ESTATES

MESSAGE: I HAVE COMPLETED REVISION OF THESE 2 PRELIMINARY PLATS AND HAVE THE FOLLOWING QUESTIONS:

PRAIRIEWOOD - (#6) WHAT RIGHT-OF-WAY ADJOINS THE HEITKAMP PROPERTY? Wrong Prop. Should I MEIER Property (BELK

COUNTRY ESTATES - (#4) WHAT IS THE RESERVOIR ZONING? P. - Public

PROPOSED ZONING - PLANNED UNIT DEVELOPMENT

OUR Mistake

TRANSMITTED BY: DAVE P.

NUMBER OF PAGES (INCLUDING THIS COVER SHEET):

NOTICE: The pages comprising this facsimile transmission contains information that is confidential and privileged. This information is intended solely for the individual or entity to which it is addressed. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or use of the contents of this transmission is prohibited. If you have received this transmission in error, please notify us by telephone immediately so we may arrange to retrieve this transmission at no cost to you. Thank you.

999 BASIN AVENUE P.O. BOX 1133 BISMARCK, NORTH DAKOTA 58502
(701) 223-2600 (701) 223-2606 FAX

54

July 2, 2009

Brian and Janelle Thomas
5475 Prairiewood Drive
Lincoln, ND 58504

COPY

Re: Prairiewood Estates Stormwater Management – Flood Inquiry

Dear Brian and Janelle:

Thank you for contacting the Burleigh County Water Resource District regarding the flooding issues you and your neighbors suffered due to the recent heavy rains and drainage problems located north and south of Prairiewood Drive. This letter documents our site inspection and a review of the Stormwater Management Plan (SWMP) submitted February 1, 1999 to the City of Lincoln and later approved for this subdivision.

The SWMP contains specific recommendations related to drainage north through a designated stormwater easement between Lot 6 and Lot 7 of Block 2. A copy of the final plat illustrating this 20-foot easement is attached. In addition, a large stormwater easement area was placed along the north side of Lot 5, Lot 6 and Lot 7 of Block 2. The reason for this easement was described as follows in the SWMP:

> *"The third area of concern is located in Watershed #6 between the Soo Line Railroad Grade and 52nd Street Southeast. The concern in this area relates to Lot 3, 4 and 5* **{note: the final plat was revised and this actually reflects Lot 5, 6 and 7}** *Block 2 located north of Prairiewood Drive. This area is very low and potentially subject to flooding by local or upstream runoff. Based on preliminary information it is recommended the building area on these lots be raised to elevation 1682 or a minimum of 1.5 feet above the low point on 52nd Street Southwest, whichever is greater. While the depth to groundwater in this area has not been determined, it should be considered by the Developer/Owner prior to construction on these lots."*
>
> *"Since rural residential development in Watershed #6 will increase the amount of runoff flowing into Lots 3, 4 and 5* **{i.e., Lots 5, 6 and 7}**, *the north 150 feet of these lots has been reserved as a stormwater easement. No detention storage will be constructed at this time; however should future conditions warrant, this area would be utilized to install such storage or the raise the building areas as recommended."*

As disclosed during our phone conversations, I authored the subject SWMP and tried to secure a complete copy from Swenson, Hagen & Co., (the firm I worked for at the time), the City of Lincoln, KLJ, the City Engineer for the City of Lincoln, and the Burleigh County Engineer. While I was able to obtain a copy of the SWMP text, I was unable to secure a copy of the complete document. Enclosed is a 2005 aerial photo with the currently available two-foot topography for this area. It provides a good illustration of the roadway and residence locations, which you can compare to the final plat.

Based on our evaluation the solution appears to be the construction of a drainage channel to the north to remove excess ponded waters located on either side of Prairiewood Drive. The channel would be located within the designated stormwater easement or along another acceptable route, if the neighbors agree. If an alternative route is selected it is recommended a new easement be obtained from the landowner and recorded with the County Recorder and City of Lincoln. The primary objective is to convey excess waters north to the designated stormwater easement along the north site of Lot 5, Lot 6 and Lot 7. There are two concerns to consider, first is the gradient necessary to accomplish this drainage so it is effective and does not adversely impact yards. Second is the potential need to excavate storage on the north side of these lots to obtain the required grade or to create storage to contain these waters. A similar containment system is being employed in the Beulah Meadows Subdivision to the north (see-enclosed plat). Stormwater easements should not contain anything that would obstruct the flow of water, including trees, but that does not always stop them from being planted.

The City of Lincoln approved the SWMP, and the subdivision is within their extraterritorial jurisdiction, therefore, they have authority over the stormwater easement and any work completed therein. Therefore, we encourage you to contact them to discuss any proposed construction and your options. As to your question, regarding the need for the developer to construct the channel that is a question you can ask the City, or you should feel free to contact the developer directly.

If we can be of any further assistance, please let me know.

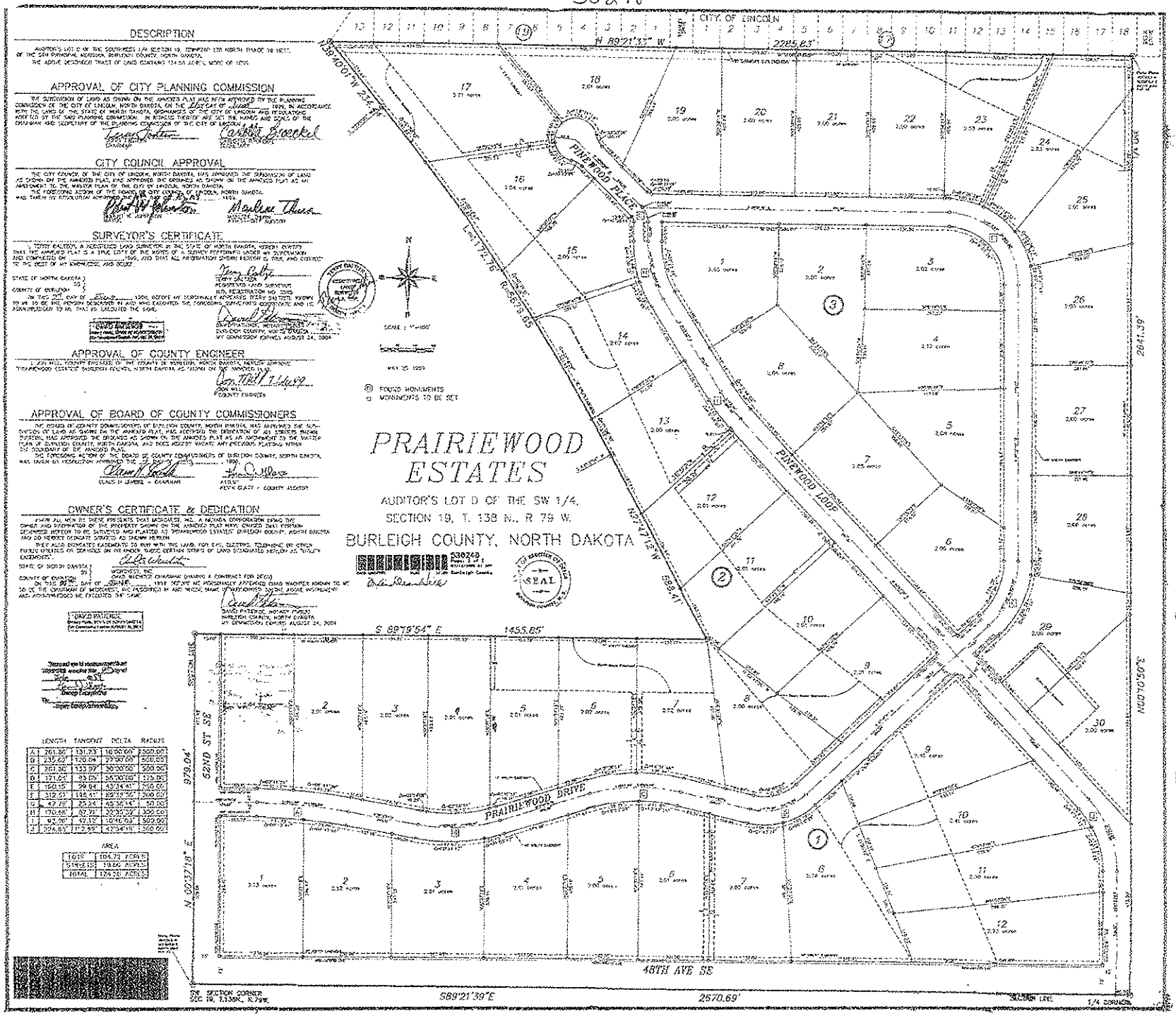
Sincerely,

Michael H. Gunsch, PE
BCWRD District Engineer

Enclosures

C: Gailen Narum, Chairman BCWRD
Marcus Hall, PE, Burleigh County Engineer
Brad Krogstad, PE, KLJ, Lincoln City Engineer
Melanie Chaska, Lincoln City Auditor

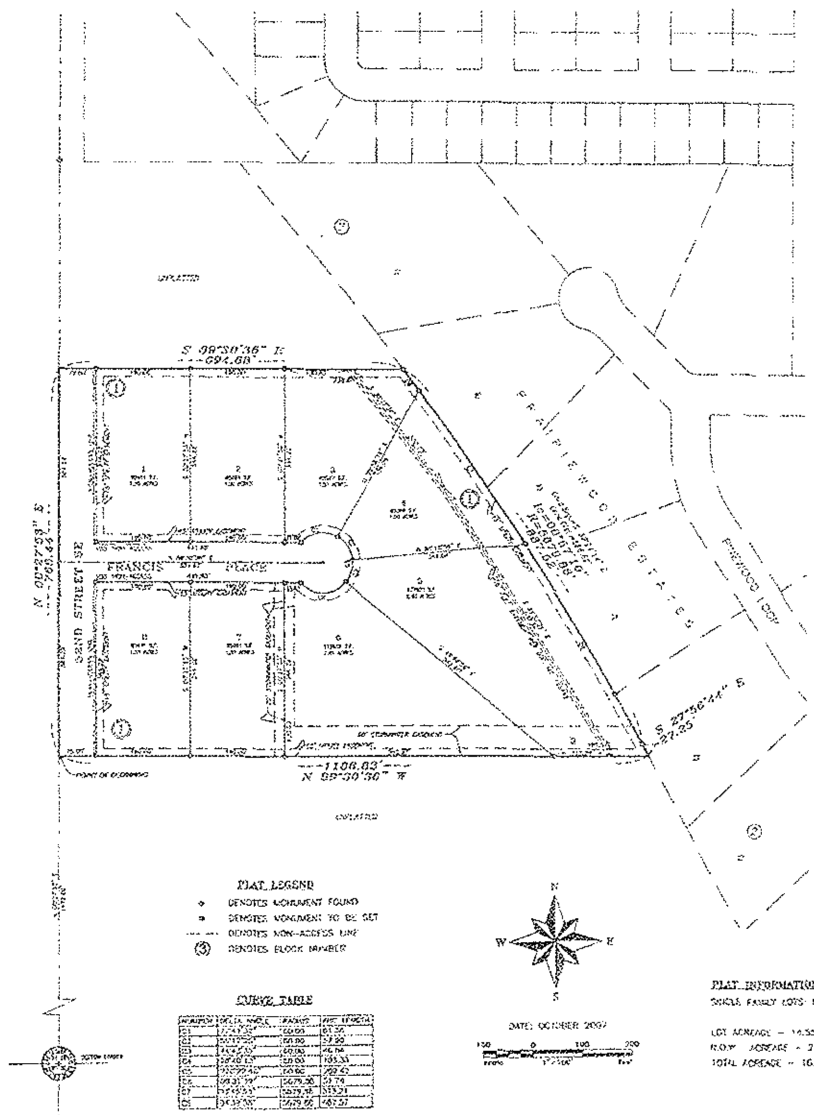
30248



Prairiewood Estates

BEULAH MEADOWS SUBDIVISION

AN UNPLATTED PORTION OF THE SOUTHWEST 1/4 OF SECTION 19, TOWNSHIP
138 NORTH, RANGE 79 WEST, BURLEIGH COUNTY, NORTH DAKOTA



PLAT INFORMATION

SINGLE FAMILY LOTS: 8

LOT ACREAGE = 14.550 ACRES
R.O.W. ACREAGE = 2.320 ACRES
TOTAL ACREAGE = 16.870 ACRES

ENGINEER:
KADRMAS, LEE & JACKSON, INC.

OWNER:
EUGENE KADRMAS

DESCRIPTION

[illegible]

OWNER'S CERTIFICATE AND DEDICATION

[illegible]

SURVEYOR'S CERTIFICATE

[illegible]

APPROVAL OF CITY COUNCIL

[illegible]

APPROVAL OF CITY PLANNING COMMISSION

[illegible]

APPROVAL OF CITY ENGINEER

[illegible]

Kadrmas Lee & Jackson

BEULAH MEADOWS SUBDIVISION

SWENSON, HAGEN & CO. P.C.
PLANNING CIVIL ENGINEERING SURVEYING
SITE DESIGN CONSTRUCTION MANAGEMENT

February 1, 1999

Terry Fasteen, Chairman
Lincoln Planning & Zoning Commission
68 Santee Road
Lincoln, ND 58504

Re: **Prairiewood Estates, Stormwater Management Plan Application**

Dear Mr. Fasteen:

This letter presents the Stormwater Management Plan for the **Prairiewood Estates Addition** in accordance with ***Article 2, Section 10-4*** of the City of Lincoln's Stormwater Management Ordinance. Since this development involves runoff from properties located outside the platted boundaries, those areas are included and addressed as necessary in this application.

1) Existing Site Map

a) Applicant: Mr. Chad Wachter
P.O. Box 1437
Bismarck, ND 58501-1437
Phone: (701) 222-4441

b) Tract Location: Auditors Lot D of the SW1/4
Section 19, Township 138 North, Range 79 West

The "Prairiewood Estates" addition is a 124.6 acre agricultural parcel located southwest of the City of Lincoln. These properties currently zoned Agricultural will be rezoned to Rural Residential with final plat approval. This subdivided parcel will contain 50 lots ranging from 2.0 to 3.21 acres in size, with an average lot size of 2.0+ acres.

c) Existing Topographic Maps:
See **Figure One** - USGS Quadrangle Location Map
See **Figure Two** - Preliminary Plat & Watershed Map

d) Subdivision Watershed Boundary Map:
See **Figure Two**

909 BASIN AVENUE P.O. BOX 1135 BISMARCK, NORTH DAKOTA 58502
(701) 223-2600 (701) 223-2606 FAX

e) Stream delineation, public waters, wetlands and their description:

There are no defined streams, public waters, or wetlands within the proposed subdivision. The wetlands determination is based on the US Fish & Wildlife Service's National Wetlands Inventory.

f) Existing Stormwater Facilities

There are currently no constructed stormwater facilities within this subdivision, only natural drainage conditions with the exception of land alterations associated with the abandoned Soo Line Railroad grade and township roadways.

g, h & I) Soils, current cover conditions and land use

There are two soil types identified within this subdivision as defined in the Burleigh County Soil Survey, see **Figure Three.** They are Tm (Telfer-Seroco, loamy sands) and LfA (Lihen, loamy fine sands nearly level). The Telfer-Seroco soils (Type "A") are located primarily east of the old Soo Line Railroad grade. These soils are highly susceptible to wind erosion, surface runoff is slow and fertility is low. The general landscape consists of dunes and hummocks. Slopes are complex and irregular with the summits ranging from 4 to 40 feet higher than the adjacent troughs. The Lihen soils (Type "A") are located along and west of the old Soo Line Railroad grade. These soils are relatively level and also highly susceptible to wind erosion. Surface runoff is slow and fertility is medium. All these lands are currently used as grasslands and/or pasture. They are generally in good to fair condition; however, this varies with annual precipitation.

The proposed land use conversion will be from pasture to rural residential. A typical rural residential lot includes a gravel roadway, access approach, driveway, private residence, secondary storage buildings, trees, shelter belts, and possibly a larger garden or small crop area. While some areas may be suitable for boarding horses, such use will not be allowed on any lot abutting the City of Lincoln. This includes all of Lots 17 through 24 Block 2.

j) 100-Year floodplain, flood fringes, and floodways.

The properties within this subdivision are not located within an established floodplain or floodway. Considering the site topography it was determined no specific floodplain analysis is required. A topographic review, however, raised questions relating to the potential for stormwater ponding in isolated locations. While the soils are highly permeable spring snowmelt on frozen ground or high intesity-duration rainfalls will result in temporary flooding in some areas. These have been designated with stormwater easements to prevent construction in potential flood prone areas.

2) Site Construction Plan

a) Location and dimensions of all proposed land disturbing activities and any phasing or a schedule of those activities:

The location and general dimensions of the proposed rural residential lots are as shown on the revised plat, **Figure Two**. The Developer intends to disturb only those areas within the proposed roadway right-of-way. Roadway gradients will be based on a minimum cut and fill balance of soils using an established centerline. No specific gradients or design calculations have been completed. Roadway construction and gravel or paved surfacing activities will be phased at the Developer's discretion.

b) Approximate location of all temporary soil and dirt stockpile areas:

All filling and/or stockpiling of materials will be located within or immediately adjacent to the areas to be disturbed and/or regraded. It is anticipated all materials excavated or disturbed within the roadway right-of-way will be fully utilized. The only wasted materials would consist of rocks or minor quantities of unsuitable soils. These materials may be used as fill within the subdivision.

c) Construction site erosion control measures:

The need for construction site erosion control measures will be addressed with the stormwater permit application filed prior to construction. It is anticipated all erosion sediments will be contained within the road right-of-way by means of silt fences or straw bale dikes. The location of these features will be determined based on actual planned construction activities.

d) The following are the preliminary start and completion dates:

Roadway construction is anticipated to begin sometime in 1999, with completion to occur within one construction season.

e) Provisions for maintaining construction site erosion control through project completion:

Erosion control measures will remain in place and will be maintained by the Developer until all construction elements have been completed, the ditches seeded, and a reasonable level of vegetative cover has been re-established.

3) Plans of Final Site Conditions

a) Provide the final grading plan contours showing the relationship to existing conditions:

No grading plan is available for this development. As a rural residential subdivision with 2.0 acre lots, only minor changes in topography, drainage boundaries, or flow direction are anticipated within the lots themselves. Therefore, no grading plan is required nor will one be prepared based on projected development. The Developer intends to maintain natural flow conditions wherever practical, except where noted in this plan, with culverts installed to insure these flow patterns are retained. Some exceptions will occur where drainage is diverted and/or concentrated along the roadways. This runoff, however, will not be diverted outside the existing watershed boundaries.

b) Proposed Landscaping:

No landscape plan exists or will be prepared for this development. The future rural residential homeowners will determine their own land uses within the zoning requirements and any covenants attached to the plat. It is anticipated the majority of the lands surrounding the primary rural residential structures will consist of grassed yards, gardens, trees, shrubs and limited paving for private access driveways. Some additional out buildings for storage and garages are anticipated on some lots.

c, d) Drainage plan, flow rates, collection sites, stormwater controls and structures to be placed on the site:

The drainage plan for this subdivision is provided on **Figure Two**. The only structural measures proposed are a number of roadway culverts and stormwater easements. The area upstream from each culvert will act as a small detention area. These detention areas will reduce the flow rates downstream and subsequently may increase the overall flow duration. In addition, those areas covered by stormwater easements will be set aside to provide for runoff conveyance and/or to detain/retain stormwater runoff. These issues are addressed in the Stormwater Management Report section of this application. Individual lot owners will be required to install culverts through their private access approaches as necessary to maintain natural flow conditions. The minimum pipe size for this installation will be 15 inches.

According to the Burleigh County Soil Survey the soils in this area have a permeability ranging from 6.3 to 20 inches per hour. This equates to an infiltration rate of 6 cfs to 20 cfs per flooded acre under normal summer conditions. Under snowmelt conditions this would be less depending upon the amount of frozen ground and actual cover conditions. or if ground water is present

Considering the soils in the development area as well as the approach and control culverts, an average rainfall on these converted properties will not significantly change peak flows. Therefore, a peak flow analysis was not conducted. On the other hand snowmelt runoff may create concerns. This issue is addressed in the Stormwater Management Report section of this application.

e, f) Describe the areas to be paved and provide any other relative information.

The right-of-way areas affected by roadway construction are noted on the revised plat. No information is available for individual lot development.

Stormwater Management Report

The key issue to be addressed in this section is the additional runoff created by development. The conversion of pasture to rural residential based on an average 2.0 acre lot will increase the SCS rainfall Curve Number (CN) from 49 to around 51. This will increase total stormwater runoff on a 24-hour 5-year event by around 40% and on a 24-hour 100-year event by around 14%. Considering the total potential rainfall runoff volumes and the rapid infiltration rates, it was determined snowmelt runoff represents the critical flood event for this subdivision.

In the case of a 10-Day Snowmelt the CN increases from 83 to 85. The resulting increase in total runoff will range from 44% on a 5-year snowmelt to 8% on a 100-year snowmelt. On a related issue the installation of trees, shelter belts and buildings will increase snow depths and cover in these sheltered areas. Considering a number of assumptions it was determined the average snow depth could be increased by approximately 25%. The resulting value was then used to conduct an impact analysis for ~~three areas of concern~~. It is unlikely considering the high infiltration rates this increase will create any serious problems during normal melt conditions.

The first area of concern is Watershed #1 located in the ~~northeast corner~~ of the plat. This watershed contains 38 acres of which 24 acres or 64% is to be developed. The projected runoff under existing conditions on a 10-day 100-year snowmelt event is around 7.0 acre-feet. This could increase by ~~as much as~~ 1.6 acre-feet for a total of 8.6 acre-feet under projected conditions. Currently, there is a natural depression located in the north side of lots 23, 24 and 25 Block 2. Under existing conditions it is projected the 100-year snowmelt elevation could result in a flood elevation exceeding 1698.0. This ~~elevation extends into~~ the residential lots located within the City of Lincoln just north of this subdivision. According to the City Engineer this area is not known to have suffered any specific flooding problems.

(Only measure taken to increase Storage for only 8.6 acre-fe
- But nothing was required for 15.6 acre-feet? Even with Knowing Flood Likely?

The Developer proposes to increase the available storage in this area by around 2.0 acre-feet as shown on **Figure Two.** This configuration would result in a storage of 8.1 acre-feet at elevation 1698.0. Note: the contours east of the quarter line were estimated using USGS topography and a local site survey. These estimates do not present a concern since the new storage created is in excess of that required to compensate for additional development runoff. This storage computation considers full runoff and does not include infiltration losses.

The second area of concern contains Watersheds #2A, #2B, #3, #4 and #5 and is located along the east side of the abandoned Soo Line Railroad grade. Here the western portions of Lots 6 through 11 Block 2 have been reserved for stormwater retention/detention storage via stormwater easements. Watershed #2A was determined to be noncontributing under both existing and developed conditions.

Why are they reserved? If they are needed who is responsible? Developer? County? City?

The remaining watersheds contain 85.6 acres will result in approximately 3.0 acre-feet of additional runoff on a 10-day 100-year snowmelt event. This runoff considers both developed an undeveloped property. Presently no culverts have been identified under 48th Avenue Southeast. Therefore, this road represents the southern watershed boundary, even though additional drainage area exists south of this road which drains north based on USGS topography, see **Figure One**.

While the infiltration rates will help to mediate the potential impacts, it was determined the detention/retention storage east of the railroad grade should be maintained. To accomplish this the right-of-way ditch on both the north and south sides of Prairiewood Drive and all properties along the Old Soo Line Railroad grade will be maintained at a minimum elevation of 1684.0. A 24" CMP will be installed east of this location as shown on **Figure Two.** This pipe will act as an equalizer pipe with inverts probably around 1682+.

The total storage at elevation 1684, including smaller upstream detention areas, is approximately 10.9 acre-feet. The total projected runoff for the combined watershed on a 100-year 10-day snowmelt runoff under developed conditions is 15.6 acre-feet. Even though runoff exceeds storage under average snowmelt runoff conditions, overflows to the west are not expected. Using an assumed infiltration rate of 2 cfs/acre (2"/hr) over 1.5 acres at elevation 1862, yields a total one-day infiltration of 6 acre-feet.

Ground water present

Not even close should of checked ground water. It is Ful

The third area of concern is located in Watershed #6 between the Soo Line railroad grade and 52nd Street Southeast. The concern in this area relates to Lots 3, 4 and 5 Block 2 located north of Prairiewood Drive. This area is very low and potentially subject to flooding by local or upstream runoff. Based on preliminary information it is recommended the building area on these lots be raised to elevation 1682.0 or a minimum of 1.5 feet above the low point in 52nd Street Southeast, whichever is greater. While the depth to groundwater in this area has not been determined, it should be considered by the Developer/Owner prior to construction on these lots.

Chad?

If assuming infiltration why was this not check

Conditions warrant in both watershed #6 & 2A, 2B (3), and the Developer refuses to construct proper retention, storage-ditch features

Since rural residential development in Watershed #6 will increase the amount of runoff flowing into Lots 3, 4 and 5, the north 150 feet of these lots has been reserved as a stormwater easement. No detention storage will be constructed at this time; however, should future conditions warrant this area would be utilized to install such storage or to raise the building areas as recommended.

This letter represents the full and complete stormwater management report for the Prairiewood Subdivision. We recommend this stormwater plan be approved and the Developer reserves the right to revise or modify this plan subject to City approval. The Developer understands plan approval is subject to the submittal of an erosion control plan prior to construction.

Fees

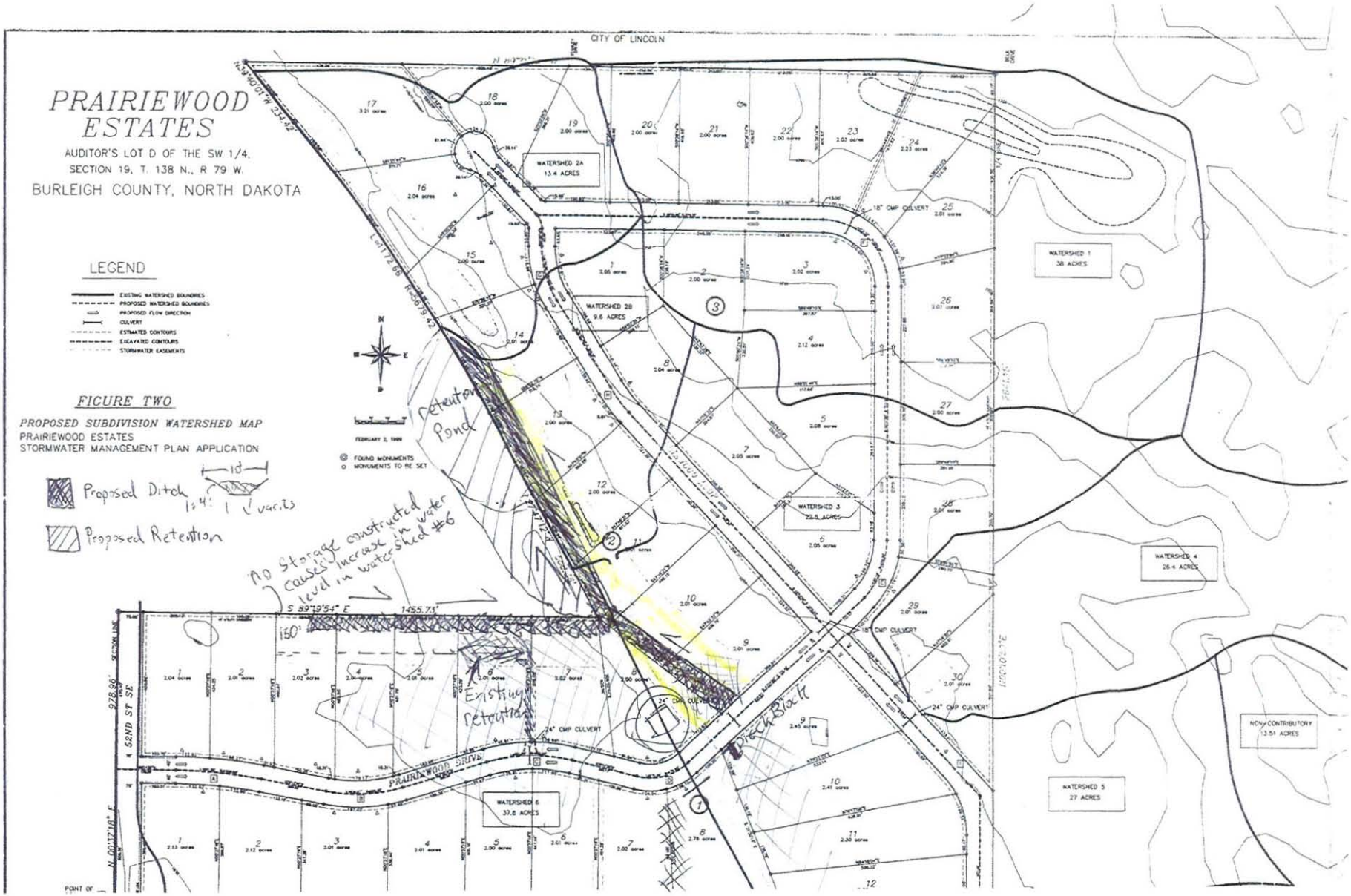
In accordance with ***Article 2, Section 10-6*** a processing fee will be charged as established by the City Engineer. It is our understanding this fee will be determined based on the degree of review required for each permit with the Developer billed accordingly. The Developer would appreciate being notified of the anticipated fee prior to the review being completed.

Should you require additional information or background information regarding this project, please let me know.

Sincerely,

Michael H. Gunsch, P.E. - Hydrologist
North Dakota Registration No.3052

cc: Mr. Chad Wachter
Jon Mill - Burleigh County Engineer
Niles Hushka - Kadrmas, Lee & Jackson


PRAIRIEWOOD ESTATES
AUDITOR'S LOT D OF THE SW 1/4,
SECTION 19, T. 138 N., R 79 W.
BURLEIGH COUNTY, NORTH DAKOTA
LEGEND
EXISTING WATERSHED BOUNDRIES
PROPOSED WATERSHED BOUNDRIES
PROPOSED FLOW DIRECTION
CULVERT
ESTIMATED CONTOURS
EXCAVATED CONTOURS
STORMWATER EASEMENTS
FIGURE TWO
PROPOSED SUBDIVISION WATERSHED MAP
PRAIRIEWOOD ESTATES
STORMWATER MANAGEMENT PLAN APPLICATION
Proposed Ditch
Proposed Retention
FEBRUARY 2, 1999
FOUND MONUMENTS
MONUMENTS TO BE SET
CITY OF LINCOLN
WATERSHED 2A
13.4 ACRES
WATERSHED 2B
9.6 ACRES
WATERSHED 1
38 ACRES
WATERSHED 3
WATERSHED 4
26.4 ACRES
WATERSHED 5
27 ACRES
WATERSHED 6
37.8 ACRES
NON-CONTRIBUTORY
13.51 ACRES
18" CMP CULVERT
24" CMP CULVERT
PRAIRIEWOOD DRIVE
52ND ST SE
SECTION LINE
S 89°19'54" E
1455.73'
978.96'
N 00°37'18" E
Retention Pond
No Storage constructed causes increase in water level in watershed #6
Existing retention
Check Block

Mona Livdahl

From: Murphy, Thomas J. [tjmurphy@nd.gov]
Sent: Wednesday, June 24, 2015 9:06 AM
To: Hall, Marcus J.
Cc: Brad Krogstad; Mona Livdahl; 'Michael Gunsch'; Murphy, Alexi J.
Subject: FW: PLEASE HELP RIGHT A WRONG: PRAIRIEWOOD ESTATES DRAINAGE SWMP
Attachments: WP_20150623_006.jpg; WP_20150623_008.jpg; WP_20150623_010.jpg; Drainage Complaint.pdf; WP_20140429_004.jpg

Marcus,

Thank you; for taking the time to drive out and see my plight and respond to my request for help.

I have forwarded this e-mail to keep you in the loop. I have requested Swenson Hagen the Initial firm who designed the SWMP to investigate a solution.

I believe a simple cost effective solution to be a shallow ditch running to the north thru the current storm water easement that ties into an appropriately sized retention pond would resolve the issue of ponding storm water runoff water. I don't know if the county or township has any need to bank wetland mitigations, but this could be an opportunity to mitigate a wetland in area with ROW constraints along an adjacent corridor or provide borrow to an adjacent project with the only cost being erosion control, common excavation, and seeding, maybe ROW, but I believe the area that would contain the retention is owned and set aside for greenspace by developer.

I will keep you abreast to their response.

If it would help. I can put together a rough plan with cover sheet, scope of work, ditch cross section, ditch profile with a reasonably sized retention, along with a basis of estimate for seeding, erosion control, and common excavation quantities.

T.J. Murphy, PE
5600 Prairiewood dr
Bismarck,ND 58504

Phone:701-412-1998
Email: tjmurphy@nd.gov

From: Murphy, Thomas J.
Sent: Wednesday, June 24, 2015 8:37 AM
To: 'sheng@swensonhagen.com'
Subject: PLEASE HELP RIGHT A WRONG: PRAIRIEWOOD ESTATES DRAINAGE SWMP

Hello,

THIS IS A PLEA FOR HELP: PLEASE FORWARD TO WHOM IT CONCERNS

My name is Thomas J Murphy, I purchased a lot in a development that your firm did the SWMP "5600 Prairiewood dr, Bismarck", This is a **plea for help** your initial design constraints and assumptions are not performing under the increased rain and elevated ground water issues in Prairiewood Estates, south of Lincoln, ND. This problem has been reoccurring since 2010 and is increasingly worse with the amount of rain fall that we get and only functions under drought-dry to minimal rain conditions.

I have included pictures of the current state and from last spring to illustrate the issue that your firm designed to rely only on infiltration and soil type alone with no retention ditch system and without a ground water investigation.

I am asking that you please investigate a possible solution to the issues that you have created through your prior engineering recommendation. So that I can take it to the County/Township and request funding for a ditch running north along my east property line within the current stormwater easement and terminating at a appropriately sized retention constructed in the green space; I believe to be owned by Mr. Chad Watcher .

I am an Engineer and could put together the plans, but am not bonded thru a firm and the county would like a hired firm. I have looked into what would need to be done and believe Mr. Chad Watcher your Client at the time owns the land that would be required and the proper storm water easement exist.

If you insist on receiving compensation for correcting your prior mistake we can talk about it.

I have Included the initial Drainage Complaint I filed with the BCWRD and the thread that can bring you up to speed on who I have asked for help.

Thank You for your time and I look forward to your response.

T.J. Murphy, PE
5600 Prairiewood dr
Bismarck,ND 58504

Phone:701-412-1998
Email: tjmurphy@nd.gov

From: Hall, Marcus J.
Sent: Wednesday, June 24, 2015 8:05 AM
To: Murphy, Thomas J.
Cc: Brad Krogstad; Mona Livdahl; 'Michael Gunsch'; Murphy, Alexi J.
Subject: RE: Lincoln Drainage & 52nd ave preliminary engineering.

Thomas,
I just wanted to let you know that I did get a chance to go down to your area and review your concerns. It is obvious that this area has a water problem and I believe that it is worse than a few years back when we last reviewed options to improve drainage. Unfortunately, I do not have any solutions for drainages of this area. If an engineering firm was hired to come up with a solution I would be willing to take it to the County/Township Board to see if they would help in funding a project. Since it does not have a major effect on any of the County/Township roads in the area I am unable to help come up with a plan to solve your problem.

Sorry, I could not be of more help.

Marcus J. Hall P.E.
County Engineer
701-204-7748

100

From: Murphy, Thomas J.
Sent: Monday, June 22, 2015 2:39 PM
To: Hall, Marcus J.
Cc: Brad Krogstad; Mona Livdahl; 'Michael Gunsch'; Murphy, Alexi J.
Subject: Lincoln Drainage & 52nd ave preliminary engineering.

Marcus,

As you may be aware of the city of Lincoln has issues with groundwater and I have heard that you or the county may be working on some drainage plans for 52nd ave.

I currently reside at 5600 Prairiewood dr, Bismarck. I believe we fall in the Lincoln ext. or County jurisdiction.

This is a **plea for help;** when the development "Prairiewood Estates" was initially planned the Storm water management plan was to include retention, and has the proper areas allocated for storm water easement, but due to the late stages of drought and little to no moisture during the time of construction no ground water studies were done and the developer "Chad Watcher" was allowed to wave construction of proper ditch-drainage, retention system for cost purposes use "natural drainage".

That is the current state it happened, I understand this. That being said the way the development drains is all funneled to my side yard where a storm water easement exists and there is an excellent area to the north of my house for a ditch, legal drain "or retention, wetland mitigation" running west and passing thru 52nd and on to apple creek.

Currently the development has a **perched ground water issue caused by manmade county approved development roadway ditches run off** with no retention measures or ditches to address the issue other that soil type and rate of water infiltration downward, this same soil type and infiltration rates would not of been enough if the ground water study was performed initially prior to approval.

Long story short if my testimony has compelled you at all, please take the time to drive past 5600 Prairiewood drive, and just look at the lay of the land see the amount of water diverted to our properties, and in the future if the **county ever needs wetland mitigation sites** or has the funding or ability to help **PLEASE** consider addressing this issue "I have included pictures from 2014 spring it currently is at or above this level again, and my initial complaint filed with BCWRD".

I have taken this up with the developer. Mr. Watcher, he informed me that he did everything that was asked of him by the governmental bodies which approved the development and is not at fault.

I have brought this issue to Michael Gunsch and the BCWRD, he informed me SWMP enforcement are not under the BCWRD purview and differed it to the City.

I also have spoken with Mr Krogstad the Lincoln Engineer on this issue and he recognized my plea was warranted and there is an issue with drainage, but the city was unwilling to fund anything.

I have and will do everything I can on my own land to help with the issue, but it cannot be addressed by one homeowners "Landscaping Improvements"

If you do not believe this is a problem. I would again encourage you to take the drive Down Prairiewood drive and see for yourself, and then wait 2-3 weeks and do it again to see that infiltration rates are not adequate to address the amount of runoff from seemingly more frequent and heavy rain events with every year since 2010.

Thank you for your time.

T.J. Murphy, PE

5600 Prairiewood dr
Bismarck,ND 58504

Phone:701-412-1998
Email: tjmurphy@nd.gov

ADDITIONAL INFO

I also have found this on add for real estate which is also impacted by this poor development drainage plan he as multiple legs of drainage the run off the development into his lot and this drainage over time has increased the ground water levels to the point of property damage.

http://www.bismanonline.com/lincoln_nd/0_82_acres_10_minutes_from_bismarck_89_900

I also know the infiltration rates can lower this water issue and if we slip back into a drought it will not be a problem, but you can't design or plan in hopes of a drought when it comes to SWMP's.
http://nwis.waterdata.usgs.gov/nwis/uv?cb_72019=on&format=gif_default&site_no=464540100222101&period=&begin_date=2007-06-09&end_date=2015-06-16
This link lead to a real time ground water monitoring station from the USGS at or around long lake it correlates to my issue and as you can see has been on the increase or elevated since 2011"with the occasional dry July to Fall retreat of ground water" and is increasing as we speak, but my issue is not goundwater alone, rather perched areas due to poor drainage planning that can be addressed by surface drainage features.

DRAINAGE COMPLAINT
(Pursuant to Section 61-32-07 NDCC)

1. Burleigh Co. Water Resource District

2. Drain Location: ____ 1/4, ____ 1/4, Section ____, Twp. ____ N., Rge ____ W.
Note: Include an aerial or topographical map that shows the exact location of the drainage activity.
See attached map.

3. Acreage drained: 10 - 13 Original drain construction date: 1999 ~ 2002

Drain revision date: N/A (if any)

Drain was constructed by: ? Enterprises LLC (developer), Swenson Hagen (Engineer) Requested plans still waiting.

Method of drainage: (circle one) (Ditching) Pumping Filling

Receiving water course, if known: closed basin w/o retention. Possibly Apple Creek.

4. This drain is resulting in:

a) Flooding of land owned by Complainant: Thomas J Murphy

b) Other adverse effects: Localized high water table causing basement damage.

.. See attached doc. describing problem.

Complaint Filed Against: Name: Co., Developer, Eng., Contractor ?

Address:

Complaint Filed By: Name: Thomas J Murphy

Address: 5600 Prairiewood dr.
Bismarck, ND 58504

Phone: 701-412-1998

Complainant's Signature: T Murphy Date: 6/13/13

Mail to: Water Resource District in which the drain is located.

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Mona Livdahl

From: Hall, Marcus J. [mahall@nd.gov]
Sent: Wednesday, June 24, 2015 8:05 AM
To: Murphy, Thomas J.
Cc: Brad Krogstad; Mona Livdahl; 'Michael Gunsch'; Murphy, Alexi J.
Subject: RE: Lincoln Drainage & 52nd ave preliminary engineering.

Thomas,
I just wanted to let you know that I did get a chance to go down to your area and review your concerns. It is obvious that this area has a water problem and I believe that it is worse than a few years back when we last reviewed options to improve drainage. Unfortunately, I do not have any solutions for drainages of this area. If an engineering firm was hired to come up with a solution I would be willing to take it to the County/Township Board to see if they would help in funding a project. Since it does not have a major effect on any of the County/Township roads in the area I am unable to help come up with a plan to solve your problem.

Sorry, I could not be of more help.

Marcus J. Hall P.E.
County Engineer
701-204-7748

From: Murphy, Thomas J.
Sent: Monday, June 22, 2015 2:39 PM
To: Hall, Marcus J.
Cc: Brad Krogstad; Mona Livdahl; 'Michael Gunsch'; Murphy, Alexi J.
Subject: Lincoln Drainage & 52nd ave preliminary engineering.

Marcus,

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I currently reside at 5600 Prairiewood dr, Bismarck. I believe we fall in the Lincoln ext. or County jurisdiction.

This is a **plea for help;** when the development "Prairiewood Estates" was initially planned the Storm water management plan was to include retention, and has the proper areas allocated for storm water easement, but due to the late stages of drought and little to no moisture during the time of construction no ground water studies were done and the developer "Chad Watcher" was allowed to wave construction of proper ditch-drainage, retention system for cost purposes use "natural drainage".

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Long story short if my testimony has compelled you at all, please take the time to drive past 5600 Prairiewood drive, and just look at the lay of the land see the amount of water diverted to our properties, and in the future if the **county ever**

needs wetland mitigation sites or has the funding or ability to help **PLEASE** consider addressing this issue "I have included pictures from 2014 spring it currently is at or above this level again, and my initial complaint filed with BCWRD".

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Thank you for your time.

T.J. Murphy, PE
5600 Prairiewood dr
Bismarck,ND 58504

Phone:701-412-1998
Email: tjmurphy@nd.gov

ADDITIONAL INFO

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10

Mona Livdahl

From: Michael Gunsch [mgunsch@houstoneng.com]
Sent: Wednesday, July 8, 2015 9:10 PM
To: 'Reep, Dennis'
Cc: Marcus Hall (mahall@nd.gov); Mona Livdahl
Subject: FW: BCWRD Contact Us Form
Attachments: 5-16-15.jpg; 6-19-15 Brook Loop water on road.jpg; 6-19-15 water on road.jpg; 6-19-15 52nd Culvert.jpg; 6-19-15 water deck.jpg; Damlo Complaint.pdf

Dennis:

Marcus Hall and I visited about this complaint and have a general idea of the issues, as well as the approach to a response.
We will be able to address this during the Board meeting next week.
Not sure that you received all the attachments last time in my response to Mr. Damlo that the issue would be brought to the County Engineers attention.
Not sure if you want to review further prior to sending the letter, but will brief you when you have time.

Any questions let me know.

Michael Gunsch
Principal / Senior Project Manager
Houston Engineering, Inc.
3712 Lockport St, Bismarck, ND 58503
O 701.323.0200 | F 701.323.0300 | C 701.527.2134
www.houstoneng.com

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From: Jason Damlo [mailto:gjdamlo@hotmail.com]
Sent: Friday, June 19, 2015 10:55 PM
To: Michael Gunsch
Subject: RE: BCWRD Contact Us Form

Michael,

As I stated last fall I felt that the drainage project referenced below would significantly impact my property and while it is stated in your response that there is a need for closer review of the downstream drainage west of Brook Loop to this point nothing has been done. Tonight my concerns with the speed that the water would reach our property and the lack of adequate drainage downstream of Brook Loop became a reality. I understand that you can only do so much to protect against the weather and the amount of rain received in the time period tonight is above an average event but this is the second time in four years that water has crossed Brook Loop during a storm event. The first time occurred in the summer of 2012 when we received over 5 inches of rain in less than two hours. Tonight we received 3 inches in about and hour and a half and the water backed up on the east side of Brook Loop until it started flowing across the road. Now I am fully aware that you can only design to a certain level but prior to the project being constructed upstream of our property we would see the culverts fill to roughly 50% capacity in a similar rain event. Granted that the water would all drain through our property eventually but it would just take much longer and the drainage downstream was adequate to handle the water that flowed. Now we our getting the same amount of water

but in an extremely shorter amount of time and the drainage downstream is no longer adequate to handle the amount of flow. On May 16th of this year we had a rain event that delivered an inch of rain over a 6 hour period and it significantly backed water up into our yard. This also would not have occurred prior to the drainage project to the east of our property in a similar event. I am disappointed that while aware of the downstream issues that are present that nothing has been done to correct them. I am also tired of every time that we get a rain event of damage is being done to my property and that I spend a week cleaning up my yard. In viewing the culverts to the west of us that cross 52nd St the two culverts where at roughly 60% capacity while the water on the east side of Brook loop was backing up and flowing across the road. I have attached pictures of both the rain event on May 16th and the water that backed up then as well as some pictures from tonight. I would like this to be addressed and need to know what action to take. Please advise me on the correct action. Please contact me if you have any questions. My cell number is 701-390-3940.

Thank you for your time in addressing this and I look forward to hearing from you.

Sincerely

Jason Damlo

From: mgunsch@houstoneng.com
To: gjdamlo@hotmail.com
CC: cback@bis.midco.net; mahall@nd.gov
Subject: RE: BCWRD Contact Us Form
Date: Sat, 27 Sep 2014 13:39:57 +0000

Jason:

We understand there are downstream issues, and there are problems with frozen culverts and other items in the spring that create flooding concerns. The flooding east of Runnel Road and south of Shoal Drive stems from previously constructed stormwater water control features that were not in compliance with the approved Stormwater Management Plan and related residential construction. These are documented in the report and the problem has been around for a long time without corrective action being taken to enforce compliance. This is not to detract from your concerns.

There is potentially a need to complete a closer review of your area. Only received one photo, did you intent to send more?

Thanks for your comments.

Michael Gunsch
Principal / Senior Project Manager
Houston Engineering, Inc.
3712 Lockport St, Bismarck, ND 58503
O 701.323.0200 | F 701.323.0300
www.houstoneng.com

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From: Jason Damlo [mailto:gjdamlo@hotmail.com]
Sent: Thursday, September 25, 2014 6:55 PM

To: Michael Gunsch
Subject: RE: BCWRD Contact Us Form

Michael,

I appreciate the information that you have sent and the timely manner in which that it was sent. As you can probably guess it will take some time to review and I completely understand the comments that you made regarding the amount of flow and do not disagree that the drainable acreage will remain the same. My concern is the speed in which the water will get to the culverts on Brook Loop. I have attached a picture of the flooding my property gets in the spring or every time it rains more that an inch in a 24 hour period or less. The advantage that we had prior to this project being completed is that the water held east of Runnel Road long enough to allow the water to drain down between Runnel and Brook Loop. My concern now is that the water will come faster and wreck more of my property. Right now within a day the water drains down but it takes a month in the flooded areas before the grass returns. The biggest problem is the ditch that runs through trees west of Brook Loop does not drain well and also the drainage structures that run through 52nd are undersized and severely restrict flow. I have seen water up to the edge of 52nd on the east side during rains and in the spring of the year. As I have stated I have major concerns about my property and the speed the water will get here and the damage it will do. I am also annoyed at the fact as a downstream recipient of the water that I was not notified of the project. I feel that this project was completed to satisfy a couple of people with zero consideration for anyone else down stream. I have sent the above picture as well as several others of the flooding on our property to the county to no avail at this point and am determined to get resolution this time. I will review the information over the next few days and get back to you with any further questions that I may have. Thank you again for responding so quickly.

Sincerely

Jason Damlo

From: mgunsch@houstoneng.com
To: gjdamlo@hotmail.com
CC: mona@midco.net; cback@bis.midco.net
Subject: RE: BCWRD Contact Us Form
Date: Tue, 23 Sep 2014 15:15:04 +0000
Jason:

Left you a voice message per your on-line request for a contact from the Burleigh County Water Resource District.

The County Creek 3rd Maintenance Assessment project is the reconstruction of a stormwater channel located within a storm water easement behind the residential homes in this area. The project does not change the flows, it just improves the channel that created flooding issues for these residences, as it was inadequately constructed when the area was first developed.

Attached is the preliminary engineering report on which the project is based.
The projected changes in flows at Runnel Road are illustrated on Table 3 in the report.
Maybe more detail than what you want, but provides the details.

There were a number of BCWRD meetings on this project and there was a public hearing noticed for those residents that were being assessed.

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If you have additional questions, please feel free to give me a call.

Thanks,

Michael Gunsch
Principal / Senior Project Manager
Houston Engineering, Inc.
3712 Lockport St, Bismarck, ND 58503
O 701.323.0200 | F 701.323.0300
www.houstoneng.com

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---

From: Mona Livdahl [mailto:mona@midco.net]
Sent: Monday, September 22, 2014 7:18 AM
To: Michael Gunsch; cback@bis.midco.net
Subject: FW: BCWRD Contact Us Form

From: gjdamlo@hotmail.com [mailto:gjdamlo@hotmail.com]
Sent: Sunday, September 21, 2014 4:01 PM
To: mona@midco.net
Subject: BCWRD Contact Us Form

First Name	Jason
Last Name	Damlo
Address	7535 Brook Loop
City	Bismarck
State	North Dakota
Zip Code	58503
Email	gjdamlo@hotmail.com
Comments	I have noticed that work has begun on the Country Creek project and am curious as what will happen to my property. As a downstream recipient of the water from this project that already has water issues in the spring the increased water from this project may significantly affect my property. Please contact me immediately especially since no notice was given to me of the upstream project. My telephone number is 701-390-3940. Thank you

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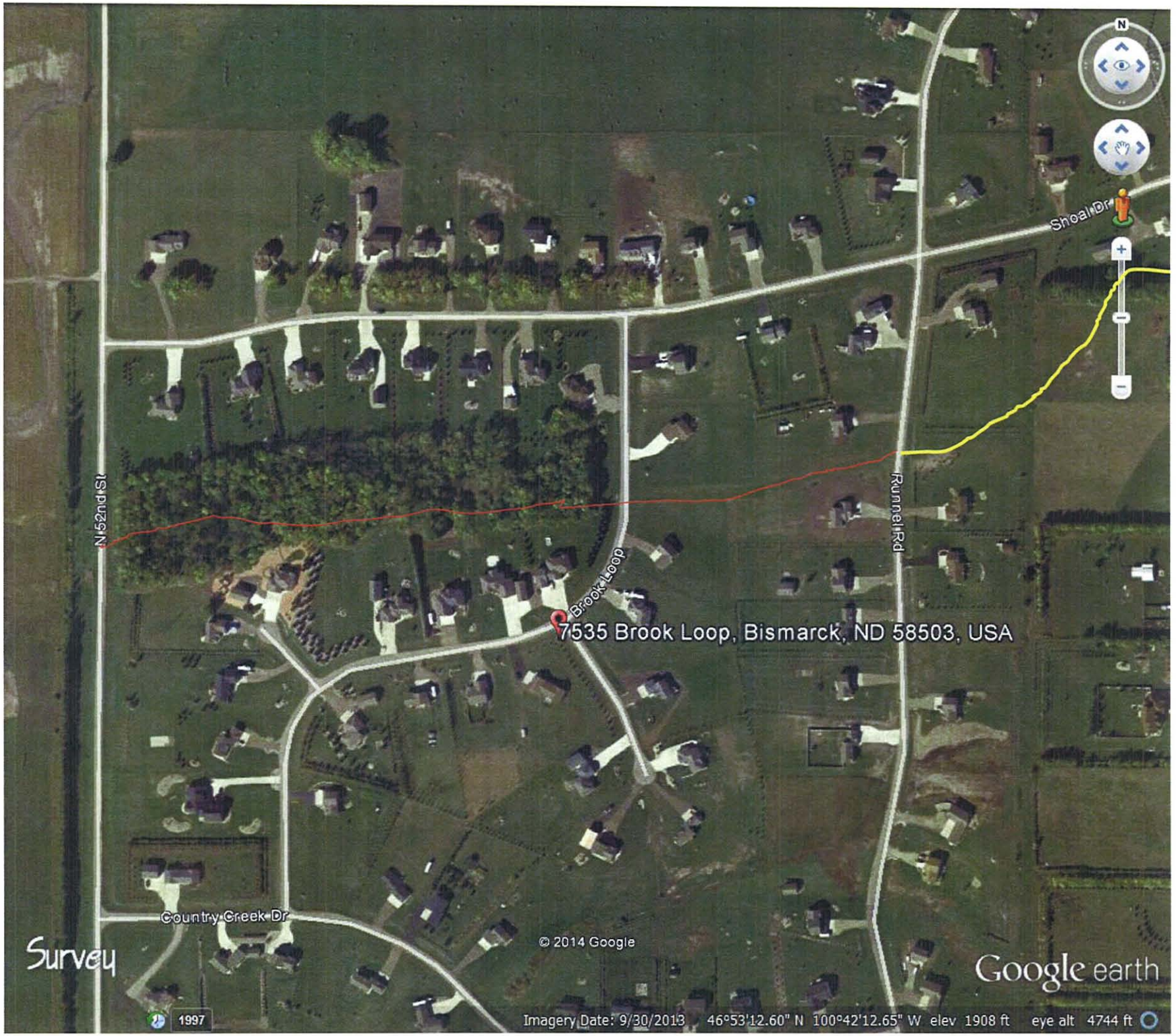
N
Shoal Dr
N 52nd St
Runnel Rd
Brook Loop
7535 Brook Loop, Bismarck, ND 58503, USA
Country Creek Dr
Survey
© 2014 Google
Google earth
1997
Imagery Date: 9/30/2013 46°53'12.60" N 100°42'12.65" W elev 1908 ft eye alt 4744 ft

Mona Livdahl

From: Michael Gunsch [mgunsch@houstoneng.com]
Sent: Monday, July 6, 2015 10:55 AM
To: Craig Odenbach; David Bliss; Gordon Weixel (gweixel@nd.gov); Greg Larson; Kathleen Jones (kjathome@midco.net); Mona; 'Reep, Dennis'; Rick Detwiller; Terry Fleck
Subject: Hogue Island Properties
Attachments: Hogue Island Properties - Annotated.pdf

FYI to all:

The property corners at Hogue Island have been marked with steel fence posts so they are visible.
Most of the corners were in place and have been documented.

Any questions let me, know, otherwise anyone who goes out there will know where the line is.

Michael Gunsch
Principal / Project Manager
Houston Engineering, Inc.
O 701.323.0200 | D 701.751.6277 | F 701.323.0300

3712 Lockport Street ◦ Bismarck, ND ◦ 58503

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BCWRD Property Boundaries
Steel fence posts to be placed
Survey
© 2015 Google
Google earth
1997
Imagery Date: 9/15/2014 46°54'58.21" N 100°53'49.82" W elev 1644 ft eye alt 2720 ft

Mona Livdahl

From: Travis Johnson [tjohnson@houstoneng.com]
Sent: Tuesday, July 7, 2015 4:46 PM
To: Dennis Reep (Dennis.Reep@hdrinc.com); Terry Fleck (tfleck@attitudedr.com); Mona Livdahl; Michael Gunsch
Subject: Pay Request #2 for Bohlman
Attachments: Burnt Creek Pay Request #2.pdf

See attached – Pay Request #2 for Bohlman Trenching on Burnt Creek for review and approval at the meeting next Tuesday.

Also, I brought up the possibility with David Bohlman of him coming to the meeting to discuss the ordering of the sluice gates and the logistics of installing those gates so late into the year. Do we want to put him on the agenda? I would like to have him visit directly with you so that we can confirm the directive for placing those gates. I also asked him to come up with his remobilization costs to come back and put them on so we have that number on the table.

Let me know if you have any questions.

Travis Johnson
Civil Engineer
Houston Engineering, Inc.
O 701.323.0200 | **D** 701.751.6287 | **F** 701.323.0300

3712 Lockport Street • Bismarck, ND • 58503

www.houstoneng.com

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Contractor's Application for Payment No. 2

	Application Period: May 19 to July 7, 2015	Application Date: 8-Jul-15
To (Owner): Burleigh County Water Resource District	From (Contractor): Bohlman Trenching Service, Inc.	Via (Engineer): Houston Engineering, Inc.
Project: Burnt Creek Flood Control 2011 Damage Restoration	Contract:	
Owner's Contract No.: 3689186	Contractor's Project No.:	Engineer's Project No.: 4241-300

Application For Payment

Change Order Summary

Approved Change Orders

Number	Additions	Deductions
1	$61,225.00	-$17,032.50
TOTALS	$61,225.00	-$17,032.50
NET CHANGE BY CHANGE ORDERS	$44,192.50	

1. ORIGINAL CONTRACT PRICE	$	$373,898.00
2. Net change by Change Orders	$	$44,192.50
3. Current Contract Price (Line 1 ± 2)	$	$418,090.50
4. TOTAL COMPLETED AND STORED TO DATE (Column F on Progress Estimate)	$	$165,982.90
5. RETAINAGE:		
a. 10% X $165,982.90 Work Completed	$	$16,598.29
b. X Stored Material	$	
c. Total Retainage (Line 5a + Line 5b)	$	$16,598.29
6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5c)	$	$149,384.61
7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application)	$	$75,479.40
8. AMOUNT DUE THIS APPLICATION	$	$73,905.21
9. BALANCE TO FINISH, PLUS RETAINAGE (Column G on Progress Estimate + Line 5 above)	$	$268,705.89

Contractor's Certification

The undersigned Contractor certifies that to the best of its knowledge: (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

By: _____ Date: July 9, 2015

Payment of: $ 73,905.21
(Line 8 or other - attach explanation of the other amount)

is recommended by: _____ 7/9/15
(Engineer) (Date)

Payment of: $ _____
(Line 8 or other - attach explanation of the other amount)

is approved by: _____ _____
(Owner) (Date)

Approved by: _____ _____
Funding Agency (if applicable) (Date)

Endorsed by the Construction Specifications Institute.

EJCDC C-620 Contractor's Application for Payment
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Progress Estimate

Contractor's Application

For (contract)	Application Number
Application Period:	Application Date

A		B	Work Completed		E	F		G
Item			C	D	Materials Presently	Total Completed	%	Balance to Finish
Specification Section No	Description	Scheduled Value	From Previous Application (C+D)	This Period	Stored (not in C or D)	and Stored to Date (C + D + E)	(F) B	(B - F)
	Contract Bond	$10,500 00	$10,500 00			$10,500 00	100 0%	
	Mobilization	$10,000 00	$7,500 00	$2,500 00		$10,000 00	100 0%	
	Borrow Excavation	$96,517 50						$96,517 50
	Waste Excavation	$1,485 00		$1,485 00		$1,485 00	100 0%	
	Riprap	$62,930 00		$60,785 90		$60,785 00	96 6%	$2,144 10
	Topsoiling	$34,912 00						$34,912 00
	Seeding Class II	$14,000 00						$14,000 00
	Seeding Class III	$5,400 00						$5,400 00
	Geotextile Fabric	$1,386 00		$1,480 00		$1,480 00	106 8%	($94 00)
	Wood Excelsior Fiber Mat	$16,520 00						$16,520 00
	Remove and Salvage Culvert - All Types & Sizes	$430 00						$430 00
	Pipe Conduit 24 Inch	$1,600 00						$1,600 00
	Canal Gate 24 Inch	$1,950 00						$1,950 00
	Muck Excavation	$73,520 00	$55,140 00	$7,352 00		$62,492 00	85 0%	$11,028 00
	New 32' Double Swing Gate	$9,450 00						$9,450 00
	Clean Culverts	$3,500 00	$1,750 00			$1,750 00	50 0%	$1,750 00
	Floating Silt Curtain	$9,990 00	$1,476 00	$8,514 00		$9,990 00	100 0%	
	Clearing & Grubbing	$7,500 00	$7,500 00			$7,500 00	100 0%	
	Sluice Gate	$32,000 00						$32,000 00
	Fence	$24,500 00						$24,500 00
	Salvage and Repair Existing Gate							
	Totals	**$418,090.50**	**$83,866.00**	**$82,116.90**		**$165,982.90**		**$252,107.60**

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Progress Estimate

Contractor's Application

For (contract):								Application Number:		
Application Period:								Application Date		
A				B	C	D	E	F		
Item		Bid Quantity	Unit Price	Bid Value	Estimated Quantity Installed	Value	Materials Presently Stored (not in C)	Total Completed and Stored to Date (D + E)	% (F) B	Balance to Finish (B - F)
Bid Item No	Description									
1	Contract Bond	1	$10,500.00	$10,500.00	1	$10,500.00		$10,500.00	100.0%	
2	Mobilization	1	$10,000.00	$10,000.00	1	$10,000.00		$10,000.00	100.0%	
3	Borrow Excavation	3785	$25.50	$96,517.50						$96,517.50
4	Waste Excavation	90	$16.50	$1,485.00	90	$1,485.00		$1,485.00	100.0%	
5	Riprap	899	$70.00	$62,930.00	868.37	$60,785.90		$60,785.90	96.6%	$2,144.10
6	Topsoiling	2182	$16.00	$34,912.00						$34,912.00
7	Seeding Class B	7	$2,000.00	$14,000.00						$14,000.00
8	Seeding Class BI	2.7	$2,000.00	$5,400.00						$5,400.00
9	Geotextile Fabric	693	$2.00	$1,386.00	740	$1,480.00		$1,480.00	106.8%	-$94.00
10	Wood Excelsior Fiber Mat	8260	$2.00	$16,520.00						$16,520.00
11	Remove and Salvage Culvert - All Types & Sizes	40	$10.75	$430.00						$430.00
12	Pipe Conduit 24 Inch	40	$40.00	$1,600.00						$1,600.00
13	Canal Gate 24 inch	1	$1,950.00	$1,950.00						$1,950.00
14	Muck Excavation	1	$73,520.00	$73,520.00	0.85	$62,492.00		$62,492.00	85.0%	$11,028.00
15	New 32' Double Swing Gate	2	$4,725.00	$9,450.00						$9,450.00
16	Clean Culverts	1	$3,500.00	$3,500.00	0.5	$1,750.00		$1,750.00	50.0%	$1,750.00
17	Floating Silt Curtain	555	$18.00	$9,990.00	555	$9,990.00		$9,990.00	100.0%	
18	Clearing & Grubbing	1	$7,500.00	$7,500.00	1	$7,500.00		$7,500.00	100.0%	
19	Sluice Gate	2	$16,000.00	$32,000.00						$32,000.00
20	Fence	1	$24,500.00	$24,500.00						$24,500.00
21	Salvage and Repair Existing Gate		$3,800.00							
	Totals			**$418,090.50**		**$165,982.90**		**$165,982.90**	39.7%	**$252,107.60**

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Stored Material Summary

Contractor's Application

For (Contract):								Application Number:		
Application Period:								Application Date:		
A	B	C	D		E			F		G
Invoice No	Shop Drawing Transmittal No	Materials Description	Stored Previously		Stored this Month			Incorporated in Work		Materials Remaining in Storage ($) (D + E - F)
			Date (Month/Year)	Amount ($)	Amount ($)	Subtotal		Date (Month/Year)	Amount ($)	
		Totals								

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Emailed 7/7/15

NORTH DAKOTA
DEPARTMENT of HEALTH

ENVIRONMENTAL HEALTH SECTION
Gold Seal Center, 918 E. Divide Ave.
Bismarck, ND 58501-1947
701.328.5200 (fax)
www.ndhealth.gov

June 29, 2015

North Dakota Pollutant Discharge Elimination System (NDPDES)
General Permit for Stormwater Discharges from Construction Activity
NOTICE OF COVERAGE

Permittee(s)

Owner Contact: Terry Fleck
Burleigh County Water Resource District
1811 E. Thayer Ave
Bismarck, ND 58501

Operator Contact: David Bohlman
Bohlman Trenching Service
PO Box 238
Thompson ND 58278

Coverage under the 2015 reissued construction general permit (NDR10-0000) is identified as follows:

Permit ID:	Site Name:
NDR107587	**Burnt Creek Flood Control Project**

Please remember to update the Stormwater Pollution Prevention (SWPP) plan as appropriate for site conditions. The best management practices (BMPs) and temporary structures must be inspected, maintained and adjusted until the site is stabilized following construction activities. Once the site is stabilized as outlined in the general permit, you may end permit coverage by filing a termination notice. Cities or counties may impose additional requirements and/or specific BMPs for construction affecting their storm drainage system. Please check with the local officials to be sure all local stormwater management considerations are addressed.

Additional Information

The permit conditions, forms and related information may be found on our web site at:

www.ndhealth.gov/wq/Storm/Construction/ConstructionHome.htm

Should you have any questions on the permit, please contact a stormwater staff person listed below.

Patty Omlid
Division of Water Quality
701.328.5239
pomlid@nd.gov

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Burleigh County Water Resource District

1811 East Thayer Avenue
Bismarck, North Dakota 58501
(701) 222-3499
www.bcwrd.org

July 8, 2015

Resident

Bismarck, ND 58503

RE: Burnt Creek Floodway Project Improvements

Dear Resident:

The Burleigh County Water Resource District (BCWRD) is continuing with maintenance work on the Burnt Creek Floodway Project. The project completion date is August 1st, however, weather and flow conditions on Burnt Creek may impact this timeline. Early this spring conditions were dry when our contractor Bohlman Trenching Service began construction. This work included the cleaning and removal of debris from the low level flow culverts under Highway #1804. This would, as pointed out in our earlier letter, restore base flows into the old Burnt Creek channel, which drains south along the west side of Highway #1804 and River Road to Pioneer Park. During this clean out, there were capacity issues and concerns with the resumption of normal flows into this natural watercourse. Under normal base flows the floodway would be dry, making sediment removal as well as long term maintenance easier. This is why this work was done first and you were notified of the potential restoration of the low flows.

Unfortunately, this summer has brought above average rainfall and higher flows in Burnt Creek. These flows necessitated pumping to reduce flows in the floodway in order to facilitate construction. While this pumping did not significantly increased flows in the old channel, it raised awareness as to the need to clean and maintain this natural watercourse. Many landowners have taken action to remove debris and sediments to restore flow conditions, which is greatly appreciated, while other work remains.

When completed, a gate structure will be installed on the low flow culverts, which will allow the ability to divert base flows west into the floodway channel. After installed the BCWRD will schedule a time to close these gates allowing the old channel to dry out and provide landowners access for further maintenance work. The timeline for installing the gates remains to be determined due to material delivery issues, and the BCWRD is considering options. We appreciate your understanding as this project is nearing completion. If you have questions you may contact Dennis Reep, BCWRD Manager at 701-557-9621 or Travis Johnson, with Houston Engineering at 701-323-0200.

Sincerely,

Dennis Reep, Vice Chairman
Burleigh County Water Resource District

C: BCWRD Board Members
Kathleen Jones, Burleigh County Commissioner
David Peirce, Chairman Hay Creek Township
Bohlman Trenching Service

Current Board Members:

Terry Fleck, Chairman, Bismarck 223-9768 Dennis Reep, Vice Chairman, Bismarck 557-9621 Gordon Weixel, Secretary/Treasurer, Bismarck 258-5390

Greg Larson, Manager, Bismarck 400-7217 Rick Detwiller, Manager, Bismarck 223-8782

Mona Livdahl

From: Travis Johnson [tjohnson@houstoneng.com]
Sent: Monday, July 6, 2015 12:19 PM
To: Michael Gunsch; 'Reep, Dennis'
Cc: Fleck Terry (tfleck@attitudedr.com); Craig Odenbach; Mona Livdahl
Subject: RE: Burnt Creek Landowner Notification Letter - Downstream old channel

I just spoke with Bohlman and he told me that his supplier is saying it would take 4 weeks to do the shop drawings and then another 100 days to build and deliver the gates, so that puts us out about 130 days from when we order. At the soonest, it looks like it would be well into November before we would have the gates, if not December.

Travis Johnson
Civil Engineer
Houston Engineering, Inc.
O 701.323.0200 | F 701.323.0300 | D 701.751.6287

From: Michael Gunsch
Sent: Monday, July 06, 2015 11:55 AM
To: 'Reep, Dennis'
Cc: Fleck Terry (tfleck@attitudedr.com); Travis Johnson; Craig Odenbach; Mona Livdahl
Subject: Burnt Creek Landowner Notification Letter - Downstream old channel

Dennis:

Attached is the notification letter to the downstream landowners along the old Burnt Creek Channel requested by the Board.
It covers the issues related to final construction date, downstream releases/pumping and the gate issue.
Please review and then we can get to Mona for mailing.

Travis and I have been discussing the gate options, so to memorialize these I will address in this email versus a formal memorandum to keep it simple.
Suggest including this email in the briefing book to outline the options before the Board and our recommendations.

- Bohlman has not ordered the gates yet – he has been reluctant due to the cost issue, as well as remobilization question due to gate delivery date
  - We asked him to consider a local contractor to lower the remobilization costs – he does not see that as practical as everyone is busy.
  - We visited with him about gate installation options, so his hold on ordering is somewhat on our side too as we sought cost savings
- Bohlman has been requested to submit a cost for the remobilization for the Board to consider
- Consideration was given to a revised gate system and trash rack options
  - Recommendation is to stay with the current gates and not install the trash rack at this time.
    - Installing slide type gates and designing/manufacturing the optional system would likely cost as much as a gate and be harder to operate.
    - For the time being the trash rack would not be installed – the next several years of operations will better determine the need.

Also given the gate installation there should be an operation plan... consider the following a rough cut for discussion.

- The gate system will be closed prior to freeze up in the fall of each year
    - This will allow for the diversion of spring runoff west to the Missouri River and decrease spring flows to the south in the natural watercourse
    - This will limit the amount ice buildup in the natural channel and reduce flood risks along that reach.
        - Base flows into the floodway during the winter have created some ice issues in the past, but these have mostly been from Missouri River backwater and the cattails not allowing ice movement. The later was corrected with the cleanout, until they grow back over time.
- The gate system will be reopened following spring runoff each year and remain open for the season
- The gate system may be closed at the request of a downstream landowner to conduct maintenance
- The gate system may be closed if flood conditions exist along the old Burnt Creek Channel
- The gate system will be closed if floodwater in the Missouri River results in backwaters through the Burnt Creek floodway toward the gates
    - This is what occurred in 2011 and why it was closed then.

It is suggested that this management plan be memorialized and included in the Board Policy Manual.

Please advise if your may want to discuss these prior to the meeting.

Dave and I visited with Scott Wegner regarding the Bonding options.... We are still tying down final costs and SWC eligibility, but are getting closer to a bond amount.

Thanks,

PS – Bohlman will have a pay request before the Board on Tuesday as well.

Michael Gunsch
Principal / Project Manager
Houston Engineering, Inc.
O 701.323.0200 | D 701.751.6277 | F 701.323.0300

3712 Lockport Street ◦ Bismarck, ND ◦ 58503

www.houstoneng.com

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Mona Livdahl

From: Michael Gunsch [mgunsch@houstoneng.com]
Sent: Monday, July 6, 2015 11:55 AM
To: 'Reep, Dennis'
Cc: Fleck Terry (tfleck@attitudedr.com); Travis Johnson; Craig Odenbach; Mona Livdahl
Subject: Burnt Creek Landowner Notification Letter - Downstream old channel
Attachments: Burnt Creek Project Update - Old Channel Residents (7-8-2015).doc

Dennis:

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  - This will limit the amount ice buildup in the natural channel and reduce flood risks along that reach.
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It is suggested that this management plan be memorialized and included in the Board Policy Manual.

Please advise if your may want to discuss these prior to the meeting.

Dave and I visited with Scott Wegner regarding the Bonding options.... We are still tying down final costs and SWC eligibility, but are getting closer to a bond amount.

Thanks,

PS – Bohlman will have a pay request before the Board on Tuesday as well.

Michael Gunsch
Principal / Project Manager
Houston Engineering, Inc.
O 701.323.0200 | D 701.751.6277 | F 701.323.0300

3712 Lockport Street • Bismarck, ND • 58503

www.houstoneng.com

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Emailed 6/15/15

State of North Dakota
Office of the State Engineer

900 EAST BOULEVARD AVE. • BISMARCK, ND 58505-0850
701-328-2750 • FAX 701-328-3696 • http://swc.nd.gov

June 12, 2015

Mr. Terry Fleck, Chairman
Burleigh County Water Resource Board
1811 E. Thayer Ave.
Bismarck, ND 58501

RE: Application for Surface Drain No. 4678

Dear Chairman Fleck:

I have completed a preliminary review of Application for Surface Drain No. 4678 submitted by the Bismarck Airport for the construction of a surface drain. Specifically, the improvements are proposed within Township 138N, Range 80W, SW ¼ of Section 12. The Bismarck Airport is seeking to change drainage within the airport property to reduce the potential for wildlife aircraft strikes caused by hazardous wildlife attractants existing on airport property. The overall plan includes the permanent elimination of approximately 60 acres of wildlife hazard attractants (wetlands) on the Bismarck Airport. The regarding of the airport site has potential to block upstream drainage from the Apple Creek Industrial Park. The applicant is proposing to install temporary drain pipes to facilitate the natural drainage while the regarding work is ongoing. The pipe elevations would be set at 1,640 ft (NAVD88) and 1,641 ft (NAVD88), for the east and west paths respectively. The applicant has not yet determined pipe diameter for these pipes. Total length of the drain will be 2,250 ft. with bottom with of 12 ft and side slopes of 200H:1V. The drain will outfall into an existing pond which has an average water depth of 5 ft. As a part of this drain project, the total fill volume will be approximately 79,000 cubic yards. I encourage your office to contact landowners in close proximity to the proposed work to ensure their awareness of the project and verify if any other permits or permissions are required from other local, state, or federal agencies.

This project has been determined not to be of either statewide or interdistrict significance. Therefore, it is the responsibility of the Burleigh County Water Resource Board to review this application to drain, pursuant to N.D.C.C. § 61-32-03. In evaluating this application, the Board should follow the procedure described in N.D.A.C. § 89-02-01-09.1, the second portion of which describes the procedure to be followed when processing a drainage application determined not to be of either statewide or interdistrict significance. **N.D.A.C. § 89-02-01-09.2 defines the factors the district must consider when evaluating the application. A permit numbered copy of the evaluation sheet is enclosed for the Board's evaluation. The Board is required to address the eight points listed on the evaluation sheet, then sign and date the form.** N.D.A.C. §89-02-01-09.3 states the Board has 60 days to make a determination on the application. I recommend the Board attach the enclosed conditions to any approved application.

TODD SANDO, P.E.
STATE ENGINEER

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If the Burleigh County Water Resource Board should have any information that would indicate that the project would cause additional drainage, such information must be forwarded to the State Engineer for review prior to the District's action. **The local NRCS office should be contacted for possible Swampbuster implications and the US Corps of Engineers for any 404 implications.** Copies of this application are being provided to the NRCS and the Corps at their request.

Enclosed are the original application and an evaluation sheet. The District's decision must be indicated on the back side of the original application and the front of the evaluation sheet. **Please return the original application and evaluation sheet with written answers to each question to this office where it will be kept on file.**

Please contact me at 701-328-4988 or mnangare@nd.gov if you have any questions concerning this correspondence.

Sincerely,

Mandar Nangare, M.S., CFM
Water Resources Engineer
Regulatory Section

MN:ph/1581
Enclosures
cc: Tom Neigum, PE– KLJ Engineering
Gregory Haug, Airport Manager
NRCS – State Office
NRCS – Bismarck
U.S. Army Corps of Engineers Regulatory Office

APPLICATION FOR SURFACE DRAIN
OFFICE OF THE STATE ENGINEER
Water Development Division
SFN 2830 (8/11)

RECEIVED
DATE RECEIVED
APR 28 2015
THE STATE ENGINEER
STATE WATER COMMISSION

I, the undersigned, am applying for a permit under NDCC Section 61-32-03, to drain a pond, slough, lake, or sheetwater, or any series thereof, which has a watershed area comprising 80 acres or more.

No. 4678
(OSE USE ONLY)

This application must be accompanied by FSA aerial photos or equivalent showing the location of the proposed drain(s).

(1) WATER RESOURCE DISTRICT IN WHICH PROJECT IS LOCATED: Burleigh County Water Resource District

(2) LEGAL DESCRIPTION - DRAIN CENTERLINE: [use separate sheet(s) if necessary]	1/4	SECTION	TOWNSHIP	RANGE
		12	138	80
	1/4	SECTION	TOWNSHIP	RANGE
	1/4	SECTION	TOWNSHIP	RANGE

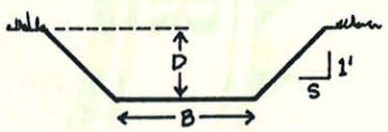
(3) LEGAL DESCRIPTION - DRAIN OUTLET:	1/4	1/4	SECTION	TOWNSHIP	RANGE
	SW		12	138	80

(4) PURPOSE: Wetland Mitigation on airport property to protect against water fowl

(5) Drain Method: ☐ Pumping ☒ Filling ☒ Gravity

(6) DESCRIPTION OF AREA TO BE DRAINED:

TOTAL Drainage Area	Project Drainage Area
219 Acres	77 Acres
Water Area	**Average Depth of Water**
12.2 Acres	5' in Channel Feet



(7) DESCRIPTION OF DRAIN:

Pumping Rate (if applicable)	Fill Volume (if applicable)	Bottom Width (B)
gpm cfs	79,000 cubic yards	12' Feet
TOTAL Length of Drain	**Length of Drain Project**	**Side Slopes (S)**
2250' Feet	2250' Feet	200:1 :1 Foot
(8) Anticipated completion date: Fall of 2016	(9) Assessment drain? ☐ YES ☒ NO	Maximum Cut (D) 10' Feet

(10) Do you own the land to be drained in fee? ☒ YES ☐ NO If NO, give the name and address of the legal landowner(s):

The filing of this application and its approval does not relieve the applicant and/or landowner(s) from any responsibility or liability for damages resulting from the construction, operation or failure of this drain.

APPLICANT'S CERTIFICATION

I understand that I must undertake and agree to pay the expense incurred in making an investigation. If the investigation discloses that the quantity of water to be drained will flood or adversely affect downstream lands, I will be required to obtain flowage easements and must file the easements in the office of the county recorder before a permit may be issued. My signature below acknowledges that I have read and agree to these statements, and will adhere to the conditions given on the back of this application.

NAME (PRINT OR TYPE): Gregory B. Haug, Airport Manager	DATE SUBMITTED: 4/27/15
ADDRESS: PO Box 991	PHONE NO: 701-355-1808
CITY, STATE, ZIP CODE: Bismarck, ND 58502	
SIGNATURE (Owner of the land on which the project is located or legal entity sponsoring project): Gregory B. Haug	

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FOR USE BY WATER RESOURCE DISTRICT AND STATE ENGINEER

☐ The Water Resource District Board has investigated according to NDAC Section 89-02-01-09.2.

☐ The proposed drainage (☐ will ☐ will not) flood or adversely affect lands of downstream landowners.

This application is hereby:

☐ Denied Signature: _____
Chairman or Secretary of Water Resource District Board

☐ Approved Date: _____

(1) The State Engineer or Water Resource District Board may revoke or modify the project and the rights granted under the permit to protect the public health, safety, and welfare; to protect property; or to ensure the orderly control of water resources.

(2) Construction must be completed within two years from the date of final approval.

This application:

☐ does Involve drainage of state-wide or Interdistrict significance

☑ ~~☐~~ does not involve drainage of state-wide or interdistrict significance MAN

If the State Engineer has determined that this application does not involve drainage of state-wide or Interdistrict significance, approval by the Water Resource District Board constitutes a permit to drain.

If the State Engineer has determined that this application involves drainage of state-wide or interdistrict significance, approval by both the Water Resource District Board and the State Engineer must be given to constitute a permit to drain.

This application involving drainage of state-wide or interdistrict significance is:

☐ Denied Signature: _____
State Engineer

☐ Approved Date: _____

CONDITIONS:

(1) The State Engineer may revoke or modify the project and the rights granted under the permit to protect the public health, safety, and welfare; to protect property; or to ensure the orderly control of water resources.
(2) Construction must be completed within two years from the date of final approval.

Mail to:

Office of the State Engineer
900 East Boulevard Avenue, Dept 770
Bismarck, ND 58505

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DRAIN APPLICATION NO. 4678

According to North Dakota Administrative Code (N.D.A.C.) Section 89-02-01-09.1, water resource districts are required to consider several factors listed in N.D.A.C. Section 89-02-01-09.2 when evaluating an application to drain. This evaluation sheet is provided with this application to fulfill the district's evaluation requirement. Additional sheets may be attached as necessary. Upon completion, this form is to be returned to the State Engineer's office along with the completed, original drain permit application. A signed copy of this completed form is to also be provided to the permit applicant.

89-02-01-09.2. Evaluation of applications – Factors considered. All applications to drain must consider the following factors:

1. The water volume proposed to be drained and its impact upon the watercourse into which it will be drained.

2. Adverse effects that may occur to downstream landowners. This factor is limited to the project's hydrologic effects, such as erosion, flood duration, sustained flow impacts, and downstream water control device operation impacts.

3. The engineering design and other physical aspects of the drain.

4. The project's impact on flooding problems in the project watershed.

5. The project's impact on ponds, sloughs, streams, or lakes having recognized fish and wildlife values.

6. The project's impact on agricultural lands.

7. Whether easements are required.

8. Other factors unique to the project.

Signature:_____
Chairman or Secretary of Water Resource District Board

Date:_____

Conditions to Drain Application #4678

89-02-01-09.11. Conditions to permits - Extending time to complete project.
Unless otherwise specifically stated:

1. All permits must include the following conditions:

   a. The project and the rights granted under the permit are subject to modification to protect the public health, safety, and welfare.

   b. That construction must be completed within two years from the date of final approval.

2. ~~All permits of statewide or interdistrict significance must include the following conditions:~~

   ~~a. All highly erodible drainage channels must be seeded to a sod-forming grass.~~

   ~~b. The vegetative cover must be adequately maintained for the life of the project or control structures must be installed, or a combination of these two criteria.~~

3. A permit may be extended beyond two years for good cause shown. If the permit was not of statewide or interdistrict significance when it was originally approved, a request for an extension must be approved or disapproved by the board. ~~If the permit was of statewide or interdistrict significance when it was originally approved, a request for an extension must be approved or disapproved by the state engineer.~~ No extension may exceed two years.

The state engineer or the board may attach other conditions to the permit if deemed necessary.

History: Effective February 1, 1997; amended effective April 1, 2000.
General Authority: N.D.C.C. 28-32-02, 61-03-13
Law Implemented: N.D.C.C. 61-15-08, 61-32-03

Drain Application #4678

89-02-01-09. Criteria for determining whether drainage is of statewide or interdistrict significance.
In determining whether the proposed drainage is of statewide or interdistrict significance, the state engineer shall be guided by the following criteria:

1. Drainage which would affect property owned by the state or its political subdivisions. ***No, the Applicant will be working primarily within the property owned by the Bismarck Airport. Work may be conducted within the township road right-of-way. Negotiations are currently underway to obtain property rights for the abandoned railroad embankment. The portion north of Rifle Range Drive is intended to be part of the project. If this land cannot be acquired, the applicant intends to drain the surface water down the sides of the embankment on airport property.***

2. Drainage of sloughs, ponds, or lakes having recognized fish and wildlife values. ***The applicant is planning to permanently drain wetlands within the Bismarck Airport property to reduce the potential for wildlife aircraft strikes caused by hazardous wildlife attractants (wetlands) existing on the airport property. As such the subject wetlands will be mitigated to an offsite location. The applicant has obtained a 404 permit from the USACE. Furthermore, the US Fish & Wildlife Service has determined that they have no objection to the subject project.***

3. Drainage or partial drainage of a meandered lake. ***No.***

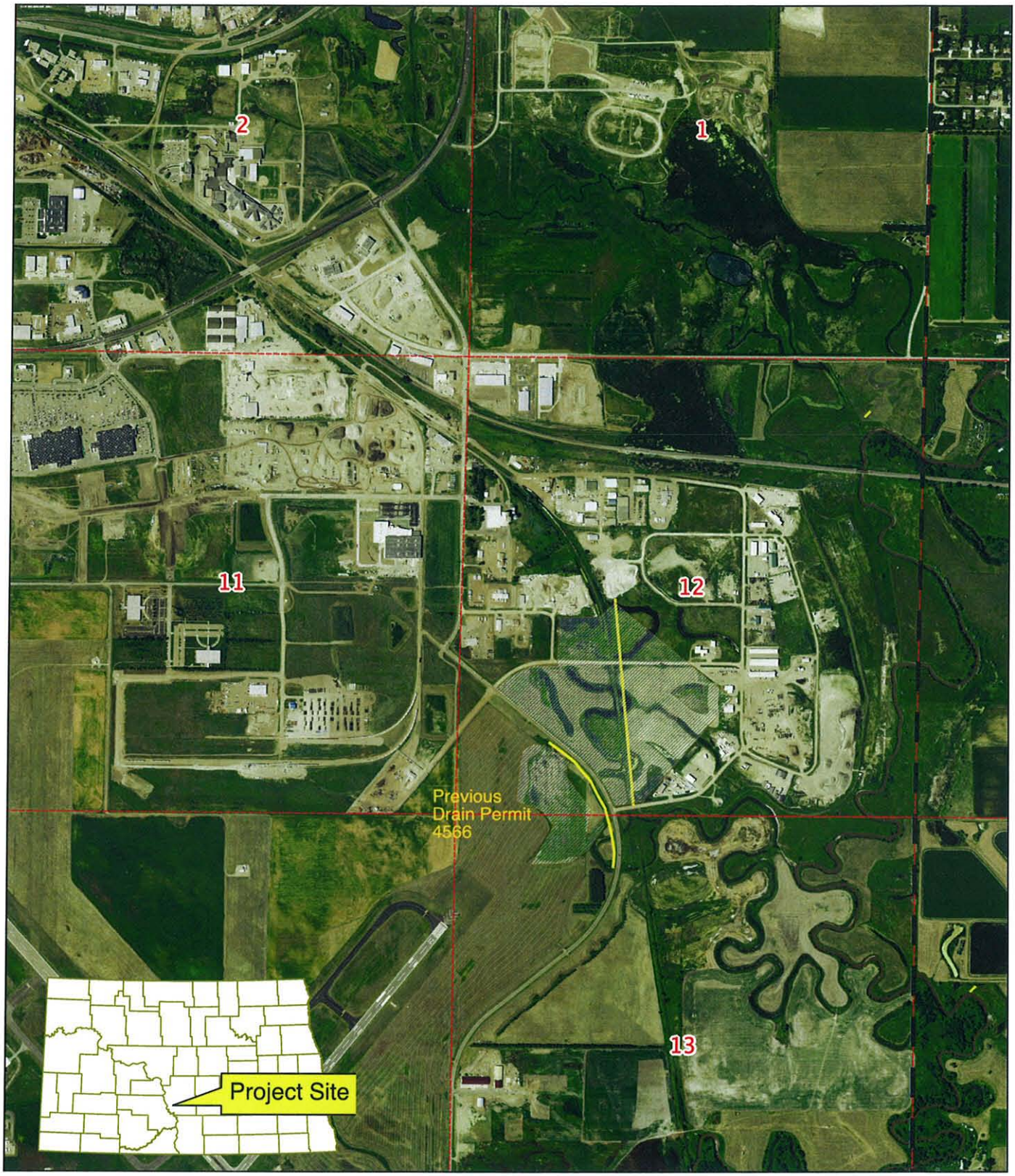
4. Drainage which would have a substantial effect on another district. ***No, drainage originates and discharges within Burleigh County.***

5. Drainage which would convert previously noncontributing areas (based on twenty-five year event - four percent chance) into permanently contributing areas. ***No, the subject mitigation project would not convert previously noncontributing areas into permanently contributing areas.***

6. For good cause, the state engineer may classify any proposed drainage as having statewide or interdistrict significance, or the state engineer may determine that certain proposed drainage is not of statewide or interdistrict significance. ***No.***

History: Amended effective December 1, 1979; October 1, 1982; February 1, 1997.
General Authority: NDCC 28-32-02, 61-03-13
Law Implemented: NDCC 61-15-08

Reviewer Mandan Nangare Date June 12, 2015



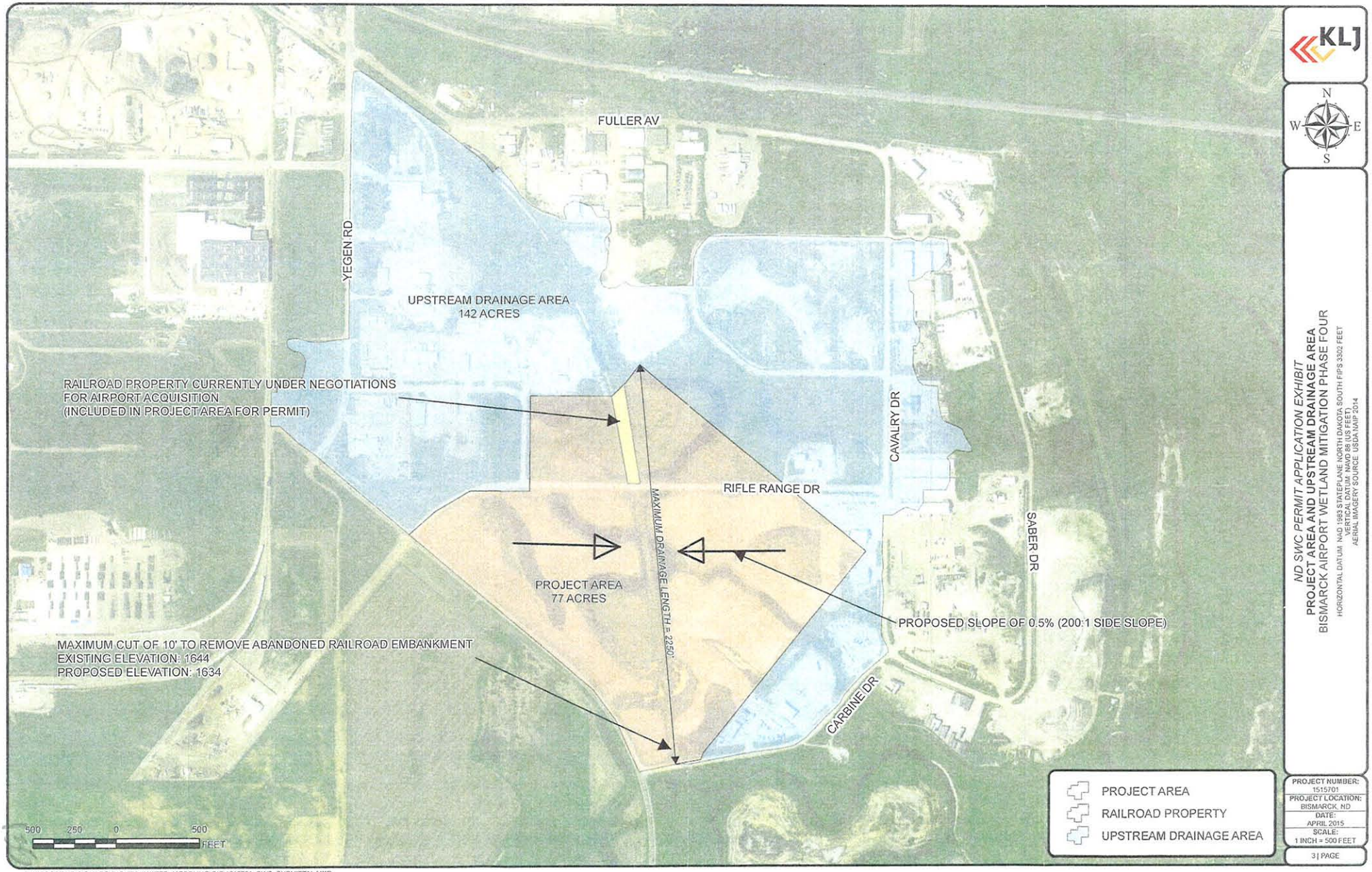
Permit No. 4678 - Bismarck Airport

Section 12, T138N, R80W, Burleigh County

N

Date: 4/29/2015
Prepared by: DEC

134



KLJ

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W E
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ND SWC PERMIT APPLICATION EXHIBIT
PROJECT AREA AND UPSTREAM DRAINAGE AREA
BISMARCK AIRPORT WETLAND MITIGATION PHASE FOUR

HORIZONTAL DATUM: NAD 1983 STATEPLANE NORTH DAKOTA SOUTH FIPS 3302 FEET
VERTICAL DATUM: NAVD 88 (US FEET)
AERIAL IMAGERY SOURCE: USDA NAIP 2014

PROJECT NUMBER:	1515701
PROJECT LOCATION:	BISMARCK, ND
DATE:	APRIL 2015
SCALE:	1 INCH = 500 FEET

P:\AIRPORT\ND\BISMARCK\1515701\WATER MODELING\GIS\1515701_SWC_SUBMITTAL.MXD

emailed 6/22/15

North Dakota Department of Transportation

Grant Levi, P.E.
Director

Jack Dalrymple
Governor

June 16, 2015

Mr. Terry Fleck
Chairman
Water Resource District
Burleigh County
1811 E Thayer Ave
Bismarck, ND 58501

PROJECT NO. SS-1-014(006)021, PCN 20975 - HOT BITUMINOUS PAVEMENT OVERLAY, CONSTRUCTION JOINT SEALING, AND PIPE INSTALLATION – BURLEIGH COUNTY

The North Dakota Department of Transportation, in cooperation with the Federal Highway Administration, is proposing a roadway improvement on ND Highway 14 from ND Highway 36 near Wing to one mile south of the county line.

The project consists of overlaying the existing roadway with asphalt. There will be some earthwork disturbance at centerline pipe installation at RP 32.944 to replace a buried pipe near this location. Construction joint sealing on a box culvert located at RP 21.642 may need to be done. The drainage patterns are not anticipated to be altered.

This project is expected to be constructed during the 2016 construction season.

The project may require acquisition of temporary right-of-way by the pipe installation at RP 32.944.

To ensure that all social, economic, and environmental effects are considered in the development of this project, we are soliciting your views and comments on the proposed project pursuant to Section 102(2) (D) (IV) of the National Environmental Policy Act of 1969, as amended. We are particularly interested in any property which your department may own or have an interest in and which would be adjacent to the proposed roadway improvement. We would also appreciate being made aware of any proposed developments your department may be contemplating in the areas under consideration for the proposed roadway facility. Any information that might help us in our studies would be appreciated.

Information or comments relating to environmental or other matters that you might furnish will be used in determining if this project is a "categorical exclusion" or whether an "Environmental Assessment" or a "Draft Environmental Impact Statement" will be prepared.

It is requested that any comments or information be forwarded to our office on or before July 17, 2015. If no reply is received by this date, it will be assumed that you have no comment on this project.

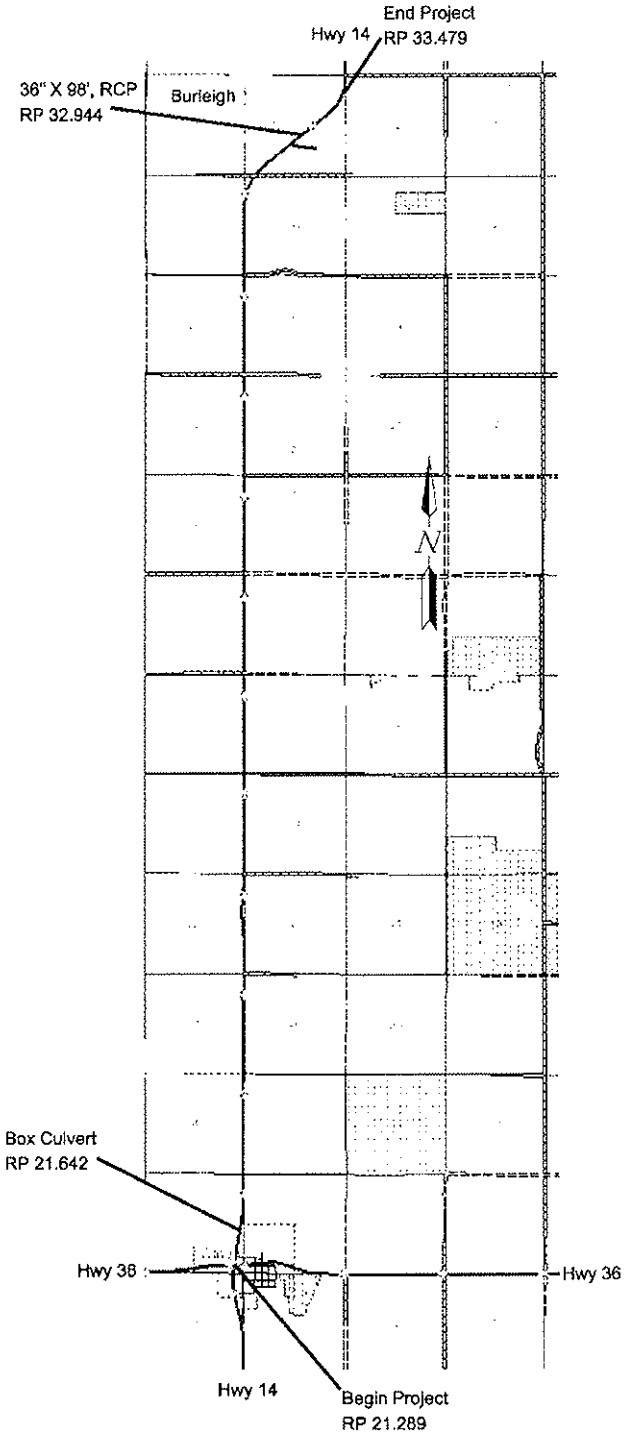
If further information is desired regarding the proposed roadway improvement, please contact Aaron Derman at 701-328-1218 in Bismarck, ND.

Roger Weigel

ROGER WEIGEL, P.E. – DESIGN ENGINEER

20/rw/ad/gmn
enclosure

Project Location Map



emailed 6/22/15

North Dakota Department of Transportation

Grant Levi, P.E.
Director

Jack Dalrymple
Governor

June 17, 2015

Mr. Terry Fleck
Chairman
Water Resource District
Burleigh County
1811 E Thayer Ave
Bismarck, ND 58501

PROJECT NO. SS-1-014(007)033, PCN 20976 - HOT BITUMINOUS PAVEMENT OVERLAY – BURLEIGH AND SHERIDAN COUNTY

The North Dakota Department of Transportation, in cooperation with the Federal Highway Administration, is proposing a roadway improvement on ND 14 from 1 mile south of the county line to Junction 200.

The project consists of overlaying the existing roadway with asphalt.

This project is expected to be constructed during the 2017 construction season.

The project will not require acquisition of permanent or temporary right-of-way.

To ensure that all social, economic, and environmental effects are considered in the development of this project, we are soliciting your views and comments on the proposed project pursuant to Section 102(2) (D) (IV) of the National Environmental Policy Act of 1969, as amended. We are particularly interested in any property which your department may own or have an interest in and which would be adjacent to the proposed roadway improvement. We would also appreciate being made aware of any proposed developments your department may be contemplating in the areas under consideration for the proposed roadway facility. Any information that might help us in our studies would be appreciated.

Information or comments relating to environmental or other matters that you might furnish will be used in determining if this project is a "categorical exclusion" or whether an "Environmental Assessment" or a "Draft Environmental Impact Statement" will be prepared.

regarding the proposed roadway improvement,

It is requested that any comments or information be forwarded to our office on or before July 17, 2015. If no reply is received by this date, it will be assumed that you have no comment on this project.

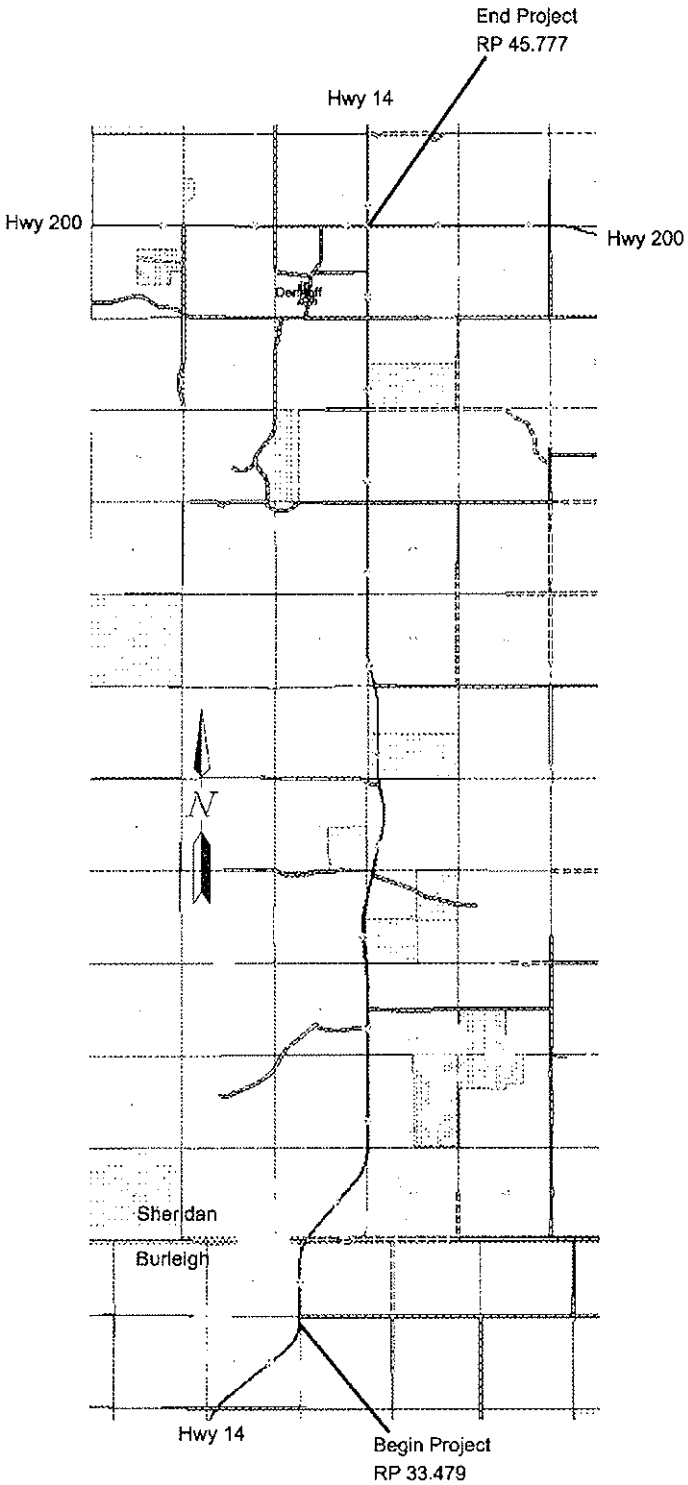
If further information is desired regarding the proposed roadway improvement, please contact Aaron Derman at 701-328-1218 in Bismarck, ND.

Roger Weigel

ROGER WEIGEL, P.E. – DESIGN ENGINEER

20/rw/ad/gmn
enclosure

Project Location Map



emailed 6/17/15

Permit Number - ND2015-16800

State of North Dakota
Temporary Water Permit
SWC Project No. 1400A

In response to an application for a temporary water permit dated Jun 12, 2015 as received in this office Jun 15, 2015, authority is hereby granted to:

Knife River - North Central
3303 Rock Island Place

Bismarck, ND 58504

Contact Person: Chris Kautz Telephone

A Temporary Water Permit as follows:

Source: Upper Apple Creek Aquifer

Point of Diversion: SW1/4 Sec. 27 Twp. 140 Rng. 077

Nature of Use: Washing Aggregates

Total Quantity of Water: 350.0 Acre-Feet

Maximum Withdrawal Rate: 3,200.0 gpm

Period of authorized usage: Jun 15, 2015 through Nov 1, 2015

Conditions

1. This temporary water permit is granted subject to use from the source by senior appropriators.
2. Permission for access to the source must be obtained from all affected landowners.
3. Failure to comply with any order of the State Engineer may result in forfeiture of this permit.
4. The granting of a temporary water permit does not create a water right.
5. Temporary water permits are not transferrable. Temporary water permits cannot be modified.
6. A weatherproof copy of this temporary water permit must be attached to the equipment withdrawing water and must be available for inspection by representatives of the State Engineer's office of the State Water Commission.

Dated: Jun 15, 2015

Todd Sando, P.E.
State Engineer
ND State Water Commission
900 East Boulevard
Bismarck, ND 58505

Jon C. Patch, P.E.
Director, Water Appropriation Division

cc: Burleigh WRD

State of North Dakota
Temporary Water Permit
SWC Project No. 1400A

7. No well(s) shall be constructed on the described property in the water permit; any proposed well location(s) must be approved by the State Engineer prior to construction of the well(s).
8. Temporary Water Permit No. ND2015-16707 shall be cancelled.

Dated: Jun 15, 2015

Jon C. Patch, P.E.
Director, Water Appropriation Division

Todd Sando, P.E.
State Engineer
ND State Water Commission
900 East Boulevard
Bismarck, ND 58505

cc: Burleigh WRD

emailed 6/8/15

State of North Dakota

Office of the State Engineer

900 EAST BOULEVARD AVE. • BISMARCK, ND 58505-0850
701-328-2750 • FAX 701-328-3696 • http://swc.nd.gov
WATER APPROPRIATION DIVISION
(701) 328-2754

June 5, 2015

Burleigh County WRD
1811 East Thayer Ave
Bismarck ND 58501

Tony Schantz
12450 10th Ave SE
Bismarck ND 58504

RE: SWC Water Permit Application No. 6071

The above listed individuals submitted written comments regarding the SWC Water Permit Application No. 6071. North Dakota Century Code § 61-04-05.1 requires that a copy of the Recommended Decision on the application be mailed to the applicant and any person who filed written comments.

The Recommended Decision dated June 3, 2015, that was completed by this office, is enclosed. You may, within 30 days from the date this letter is mailed, provide additional written comments or information in response to the Recommended Decision or request in writing that a hearing be held, or both. Written comments or a request that a hearing be held must be filed in the office of the State Engineer by **5:00 p.m. on Wednesday, July 8, 2015**. The request for hearing must state with particularity how your property, water rights, or interests would be adversely affected by the recommended appropriation; and what issues or points of law you intend to present at the hearing. Facts must also be identified, which would indicate that one or more of the criteria in North Dakota Century Code § 61-04-06 are not met.

If a hearing is not requested, the State Engineer will consider the additional comments and information, if any are submitted and issue a final decision. If a hearing is requested, or if the State Engineer determines a hearing is necessary to obtain additional information to evaluate the application or to receive public input, the State Engineer will designate a time and place for the hearing and notify the applicant and any person who filed written comments on the application of the time and place.

Sincerely,

for

Jon C. Patch, P.E.
Director, Water Appropriation Division

Todd Sando PE
State Engineer

TS:jk
Enclosure

1 of 4

OFFICE OF THE NORTH DAKOTA STATE ENGINEER
RECOMMENDED DECISION

To:	Todd Sando, P.E., State Engineer
Approved by:	Jon Patch, P.E., Director, Water Appropriations Division
Reviewed by:	William Schuh, Assistant Division Director
From:	Daniel J. Farrell, Hydrologist Manager – Surface Water-Missouri Basin
Subject:	Conditional Water Permit Application No. 6071 – Burleigh County Water Resource District
DATE:	03 June 2015

JP 6-5-15
6-4-15

Introduction

The Burleigh County Water Resource District filed Conditional Water Permit Application (CWPA) Number 6071 requesting authorization to appropriate 300 acre-feet of water at a withdrawal rate of 3 cubic feet per second (cfs) from Apple Creek. The requested beneficial uses are Recreation and Fish and Wildlife. The requested points of diversion (POD) are listed as the southeast quarter of Section 34 and the northwest and southwest quarters of Section 35, all of Township 139 North, Range 79 West of Burleigh County. The requested period of use is listed as 01 March through 30 June. The priority date of the application is 05 January 2009. The deadline for receipt of written comments regarding the proposed appropriation was 17:00 (CST) on 16 March 2009. The State Engineers Office received one comment letter within the comment period.

Basin Physiography

Apple Creek is within the Missouri Coteau District of the Glaciated Missouri Plateau (Fenneman 1931). The west glaciated slope of the Missouri Coteau Slope was designated as Coteau Slope District (Clayton, 1962), subject to active erosion with mostly integrated drainage. The Coteau Slope District was furthered divided by Clayton (1962) into sub-districts, one of which was described as the Apple Creek Uplands Sub-district. "Apple Creek Uplands Sub-district is characterized by stream eroded topography extensively covered by sheet moraine. The sub-district nearly coincides with the drainage basin of Apple Creek, which is completed integrated."[1]

[1] Kume, Jack and Dan E. Hanson, "Geology and Groundwater Resources of Burleigh County, 1965

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Water Source Information

Apple Creek, at the requested points of diversion, drains approximately 1,075,200 acres (1,680 square miles) of west central North Dakota. Approximately 320,000 acres (500 square miles) can be considered non-contributing. The United States Geological Survey (USGS) of the Department of Interior maintains a stream flow-monitoring gage on Apple Creek in the northwest quarter of the northeast quarter of Section 9, Township 138 North, Range 79 West. This gage is approximately 2.9 stream miles downstream from the requested points of diversion for this application. Records of the stream-flow monitoring station have been maintained by the USGS since 1946, with an annual daily mean water flow of 50.1 cubic feet per second (cfs), with a lowest daily mean flow of zero cfs in 1946 and highest daily mean flow of 5,590 cfs in 1950.

The applicant has requested a short time period for withdrawal on this application. The time period on the application is from March 1 through June 30. The requested time period for this application as considered in the flow distribution diagram indicated that there is sufficient flows in the average daily mean flow for the period from 1946 through 2014.

During the hydrologic investigation for this application, an unpermitted taking of water was found to exist at the Burleigh County Water Resource District's facility, McDowell Dam. Flashboards had been installed at some time after the issuance of Permit 1828 on 28 June 1972 and previous to the current application. An additional 54 acre-feet of water was being used by the District without the proper permitting. The District was informed of the additional stored water and the District was required to submit an additional application to properly permit the additional water. That application needed to be reviewed and recommended before the review could be completed for this application. Application 6270 was received on 05 May 2011 and subsequently held for review.

Water Permit Information

There are five senior water permits utilizing water from Apple Creek downstream of the proposed points of diversion for this application:

0025C	13808013B	2 POD	Irrigation	85.0 AF	2,125.0 gpm
0076A	13807903B	2 POD	Irrigation	160.0 AF	1,350.0 gpm

1416

1333	13908135A	4 POD	Irrigation	32.8 AF	00.0 gpm
1597	13808034DBB		Irrigation	30.6 AF	200.0 gpm
5854	13808012A		Irrigation	6.5 AF	110.0 gpm
			TOTALS	314.9 AF	3,785.0 gpm(8.43 cfs)

Permit 76A is located downstream of the proposed appropriation, but upstream of the USGS stream monitoring gage. All the other senior water permits are located downstream of the USGS stream monitoring gage.

Comment Received and Response to the Comments

The State Engineers Office received a comment letter in response to the public notification process for this application. Tony Schantz commented that the costs of recreation and wildlife should be concentrated on the economy and lowering taxes. The State Engineer could not further consider Mr. Schantz's comments relating to Application 6071 since the comments were not directly pertinent to the appropriation of water. However, Mr. Schantz is a Party of Record and will receive a copy of the approved recommended decision. Mr. Schantz will have an additional 30 days to make a comment.

Analysis

The Board has requested 300 acre-feet of water at 3 cubic feet per second from Apple Creek to be transported to McDowell Dam for recreational and fish and wildlife purposes. The Board, through Application 6270, has requested a period of use from March 1 to June 30 to move the water from Apple Creek to the water retained behind McDowell Dam.

The drainage area above McDowell Dam, based on information presented in Construction Permit number 2352, is 6.1 square miles. That area was confirmed using the geographic information system (GIS) used by the State Engineers Office. The Hydrology Manual ("Manual") for North Dakota, developed by the Soil Conservation Service, estimates that the annual yield from the drainage area would be approximately 40 acre-feet per square mile 50 years out of 100 and 20 acre-feet per square mile 80 years out of 100. The Manual notes that 55% of the annual yield would the result of runoff from snowmelt. Therefore, an annual yield of approximately 122 acre-feet could be expected 80% of the years.

The waters of the state retained by McDowell Dam have a surface area of 59.5 acres at the principal spillway. The Manual indicates that the Mean Annual Evaporation is 34 inches and the Annual Normal Precipitation is 15.5 inches. This surface area, combined with the net evaporative loss of 18.5 inches, indicates that the annual evaporative loss of retained water would be approximately 91.7 acre-feet.

Construction Permit 2352 indicates that the quantity of water retained at the level of the principal spillway is 840 acre-feet. This application requests an annual quantity of 300 acre-feet, which 35.7% of the retained volume. The applicant may want to use the entire permitted quantity of water in years that the water levels of the retained waters are stressed due to evaporation and lack of precipitation to replenish the retained waters. However, the lack of precipitation will impact more that the just the retained waters of McDowell Dam. Therefore, some mode of protection must be addressed to protect the senior water appropriators on Apple Creek. The senior water appropriators downstream of the proposed points of diversion have permitted the use of 314.9 acre-feet of water at a maximum withdrawal rate of 3,785 gallons per minute, or 8.43 cubic feet per second. A condition will be added to address the protection of the senior water appropriators. The condition will require the applicant to check the Apple Creek gage prior to starting and throughout the pumping process. If the gage is indicating that the stream flow is less than 16 cubic feet per second, the pumping cannot start or will cease pumping operations if the gage readings fall below 16 cubic feet second. The value of 16 cubic feet per second was determined on the basis that a minimum of 10 cubic feet per second must pass the gage at all times for use by the senior water appropriators downstream of the gage. In addition, perfected water permit 76A has two points of diversion upstream of the stream gage and has an authorized maximum rate of withdrawal of 3 cubic feet per second. The applicant has requested a maximum rate of withdrawal of 3 cubic per second. Thus, to ensure that the water flowing past the gage is sufficient to protect the senior water appropriators downstream of the stream gage, the stream gage reading must be at least 16 cubic feet per second for the applicant to start or continue pumping from Apple Creek. Historical data was compiled from the USGS gage on Apple Creek and the following table was generated from the data:

PERCENT OF MEAN DAILY FLOWS
GREATER THAN 16 CUBIC FEET PER SECOND

WATER YEAR	PERCENT FLOW > 16 CFS
2006	9.8%
2007	54.9%
2008	9.0%
2009	82.7%
2010	89.3%
2011	100.0%
2012	100.0%
2013	77.0%
2014	92.6%

The applicant had also requested a specific period of use on this application. The application specified a start date of 01 March and a terminal date of June 30. A distribution of flows was developed based on the USGS gage on Apple Creek and the two drainage areas; one at the gage and the other at the requested point of diversion. The distribution of flows also included the flow restriction recommended for this application; hence the flows for application 6071 are indicated as 16 cfs. The graph generated by the distribution of flow indicates that the requested period of use would be within the period of sufficient flows in Apple Creek.

Consideration of Statutory Criteria

1. **The rights of a prior appropriator will not be unduly affected.**
   Review of the existing water permit database indicates that there are five (5) senior permitted appropriators downstream of the applicant, with permitted withdrawal rates of 8.43 cubic feet per second (cfs). The applicant has requested a time frame of March 1 to June 30, which the average daily mean flows are sufficient to protect the prior water appropriators while allowing the consideration of the current application. The recommended decision includes a condition to protect the downstream senior appropriator.

2. **The proposed means of diversion or construction are adequate.**
   A professional engineer registered in the state of North Dakota is undertaking the design of the proposed structure. Therefore, the means of diversion will be designed and constructed properly.

3. **The proposed use of water is beneficial.**
   The proposed use of the planned appropriation is listed in the application as Recreation and also Fish & Wildlife. Since North Dakota Century Code (NDCC) §61-04-06.1 lists these beneficial uses as "Fish, wildlife and other outdoor recreational uses", both of these beneficial uses can be considered. Therefore, the proposed use of the water can be considered beneficial.

4. **The proposed appropriation is in the public interest. In determining the public interest, the state engineer shall consider all of the following:**

   a. **The benefit to the applicant resulting from the proposed appropriation.**

The resultant benefit of this proposed appropriation to the applicant is of an recreational nature, since water added to the water retained by McDowell Dam is planned to improve the recreational opportunities at the park around the dam.

b. **The effect of the economic activity resulting from the proposed appropriation.**
The economic activity resulting from the proposed appropriation would be in the entire project life, and the additional uses that the park area will be expected to receive when the additional water is put to beneficial use. The cost of constructing the pumping facility and installing the approximate 6,600 feet of force main will be distributed to contractors and engineers that might be putting some of the proceeds back into the local economy.

c. **The effect on fish and game resources and public recreational opportunities.**
The proposed appropriation of water would have a positive effect on the fish and game resources, in that the water from Apple Creek will be used to supplement the waters retained by McDowell Dam. The proposed appropriation is also expected to have a positive effect on public recreational opportunities.

d. **The effect of loss of alternate uses of water that might be made within a reasonable time if not precluded or hindered by the proposed appropriation.**
Alternate uses of the water in lower reaches of Apple Creek have been not been identified. The condition placed in the recommended decision to protect the senior water appropriator downstream of the applicant will also benefit the any users that find an alternate use in the near future. Therefore, the proposed appropriation is not expected to have an effect on alternate uses of water.

e. **Harm to other persons resulting from the proposed appropriation.**
The proposed appropriation is not expected to present harm to other persons.

f. **The intent and ability of the applicant to complete the appropriation.**
The applicant has the intent and ability to complete the proposed project.

Therefore, the proposed appropriation is in the public interest.

Recommendation

The criteria for the issuance of a water use permit are detailed in Paragraph 06 of Chapter 04 of Title 61 of the North Dakota Century Code (NDCC 61-04-06). This application meets these criteria, provided the conditions noted below are attached. Conditional Water Permit Application number 6071 is hereby recommended for approval for the annual use of 300 acre-feet of water at a maximum withdrawal rate of 3 cubic feet per second from points of diversion located in the northwest and southwest quarters of Section 35, and the southeast quarter of Section 34, all of Township 139 North, Range 79 West for the beneficial purpose of Fish, wildlife and other recreational uses. The following conditions shall apply to the water use permit number 6071:

1. The water permit is granted subject to water use from the source by senior appropriators. Withdrawals shall cease upon order of the State Engineer.

2. This water permit is subject to water use by downstream prior appropriators in the State of North Dakota.

3. Failure to comply with any order of the State Engineer may result in forfeiture of this water permit. This includes the withdrawal of water at times that are not authorized.

4. A minimum flow of 16 cubic feet per second (cfs) must be reported the U.S. Geological Survey (USGS) gauging station No. 06349500, Apple Creek near Menoken, ND at all times when water is being withdrawn from the river under this permit. The permit holder, or their contractor, may not withdraw any water from Apple Creek at times when the flow in Apple Creek at USGS gage 06349500 drops below 16 cfs. The permit holder shall check the flow in the river before starting to pump and shall monitor the flow in the river while pumping.

5. Prior to the beneficial use of water under this permit, an in-line, continuous recording totalizing flow meter shall be installed on the pump discharge line to measure the quantity of water pumped from the water source. The water flow meter must meet the following requirements:

   A. The water flow meter must be certified by the manufacturer to record neither less than 98 percent nor greater than 102 percent of the actual volume of water passing the meter when installed according to the manufacturer's instructions.

   B. The water flow meter must have a display that is readable at all times, whether the system is operating or not.

   C. The water flow meter must have a totalizer that meets the following criteria:

a. Is continuously updated to read directly only in acre-feet, acre-inches, gallons, cubic feet, or barrels (42 US gallons);

b. Has sufficient capacity without recycling past zero more than once each year to record the quantity of water diverted in any one calendar year;

c. Has a dial or counter that can be timed with a stopwatch over not more than a 10 minute period to accurately determine the rate of low under normal operating conditions; and

d. Has a nonvolatile memory if the meter is equipped with an electronic totalizer.

D. The water flow meter must be installed according to the manufacturer's specifications and must be properly maintained according to manufacturer's recommendations including proper winterization such as removal during the winter.

E. The water flow meter shall be available for inspection by representatives of the State Engineer.

6. The amount of water withdrawn daily from Apple Creek via these points of diversion under Water permit 6071 must be provided to the State Engineer's Office on a weekly basis from March 1 through June 30. This includes all weeks that water is not withdrawn or weeks that the project is shut down for any reason. The weekly summary of the date and the amount of water withdrawn daily can either be faxed to (701) 328-3696 or e-mailed to waterpermits@nd.gov once every week.

7. Water Permit holders must complete the Annual Water Use Report for each calendar year that the Water Permit is authorized, in accordance with North Dakota Century Code (NDCC) §61-04-27. The State Engineer's Office will issue the Annual Water Use Report forms for Water Permits and the completed Annual Water Use Report is due in the State Engineer's Office on or before the due date as specified in NDCC §61-04-27.

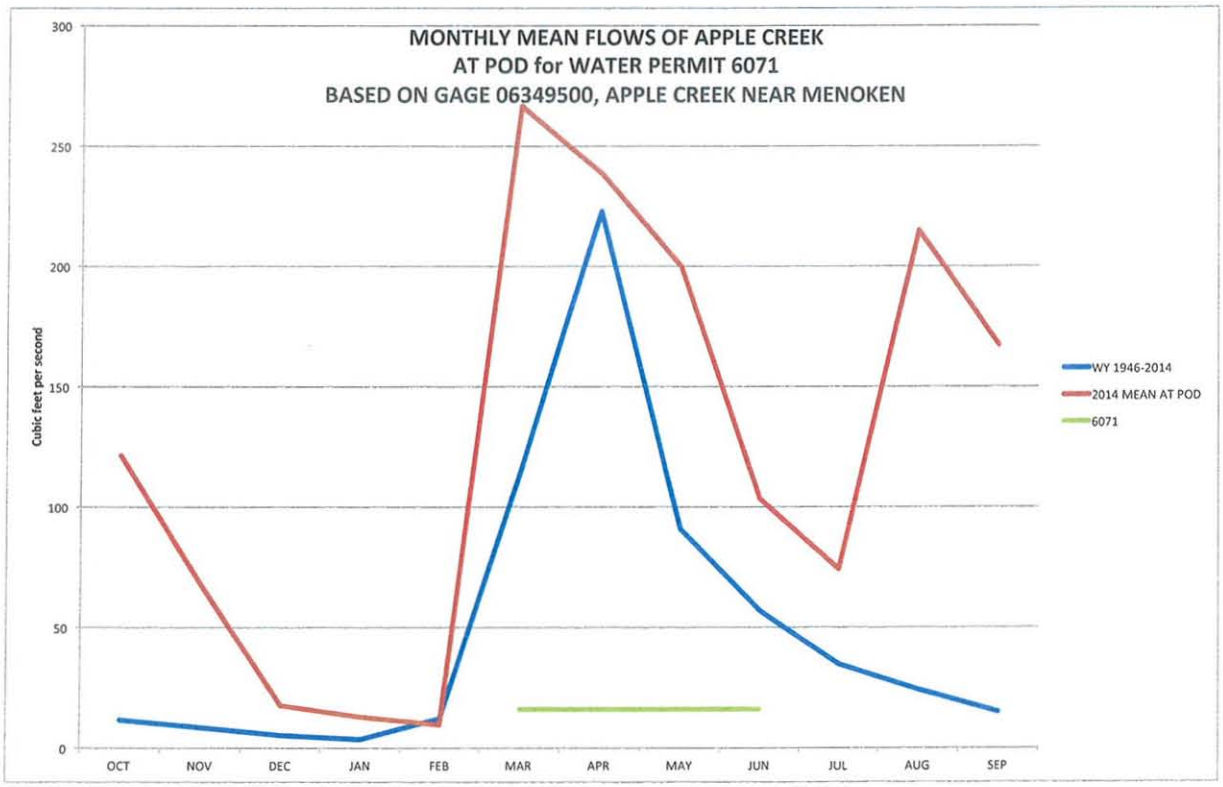
8. A weatherproof copy of this Water Permit must be attached the equipment withdrawing water and must be available for inspection by representatives of the State Engineers Office or the State Water Commission.

9. This water permit will be subject to the installation of real-time monitoring (telemetry) at the expense of the permit holder upon notification from the State Engineer.

Daniel J. Farrell
Hydrologist Manager-Surface Water
Missouri River Basin

Attachment

153


MONTHLY MEAN FLOWS OF APPLE CREEK
AT POD for WATER PERMIT 6071
BASED ON GAGE 06349500, APPLE CREEK NEAR MENOKEN
Cubic feet per second
300
250
200
150
100
50
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
WY 1946-2014
2014 MEAN AT POD
6071

Mona Livdahl

From: Lane Franks [lane@libertypetroleumcorporation.com]
Sent: Friday, June 5, 2015 3:05 PM
To: 'Kent Johanneson'
Subject: FW: Levitt-1 Timing Update

Here is the latest Kent. Should be very accurate.

Lane

From: Duncan Nuttall [mailto:bnn@bigpond.com]
Sent: Thursday, June 04, 2015 12:06 AM
To: Lane Franks
Subject: Levitt-1 Timing Update

Apache today updated Karoon that expected rig handover date is now 23rd of June. Estimated spud date is therefore now approx 28th of June.

BCWRD Invoices
7-14-15

Name	Project	Invoice	Amount
Bain Agency - Insurance	Commercial General Liability Coverage	GL0340102	$1,856.00
Bismarck Parks & Rec	Accrued Sick Leave	3896	$12,015.60
Bismarck Parks & Rec	Accrued Sick Leave @25% Admin. Fee	3896	$3,003.90
Bismarck Parks & Rec	May expense	3896	$15,332.47
Bismarck Parks & Rec	Admin. Fee	3896	$3,833.12
Bliss Law Firm	June	18376	$1,917.30
Bliss Law Firm	June - meeting	18448	$1,000.00
City Of Bismarck	Building expenses for May	95	$29.06
City of Bismarck	June Rent	91	$95.33
City of Bismarck - Public Works	Lower Burnt Creek Survey	-000000042	$15,000.00
County of Burleigh	Hogue Island Weed Spraying	015-000196	$112.46
Detwiller, Rick	2nd Quarter	2nd	$945.00
Fleck, Terry	2nd Quarter	2nd	$2,205.00
Houston Engineering	General	25696	$1,000.00
Houston Engineering	McDowell Dam	25695	$343.00
Houston Engineering	Burnt Creek Floodway	25697	$6,034.38
Houston Engineering	Fox Island Flood Control	25699	$852.00
Houston Engineering	Missouri River Studies	25698	$2,148.00
Houston Engineering	Missouri River Correctional (WO 18)	25700	$3,400.50
Houston Engineering	Hogue Island Acquisition Site Restoration	25701	$1,742.00
Houston Engineering	Drainage Complaints	25702	$1,472.75
Houston Engineering	Country Creek 3rd	25703	$400.00
Houston Engineering	Missouri River Bank Stabilization	25704	$1,860.00
Houston Engineering	Apple Creek Watershed Project	25705	$2,572.75
Houston Engineering	Drain Permit Applications	25706	$3,167.00
IRS - Quarterly Federal Tax Return	April, May, June		$688.52
Larson, greg	2nd Quarter	2nd	$810.00
ND Insurance Reserve	Commercial Building & Personal Property Ins.	2015-16	$710.29
ND Job Service	Employers contribution		$4.29
Personalized Management	Secretarial/Accounting/Supplies		$1,652.47
Reep, Dennis	2nd Quarter	2nd	$1,269.98
Weixel, Gordon	2nd Quarter	2nd	$585.00
		TOTAL:	***$88,058.17***

Bohlman Trenching	Pay request #2		$73,905.21

$161,963.38

INVOICE

City of Bismarck
PO Box 5503
Bismarck, ND 58506
(701) 355-1615

DATE: 07/06/2015
DUE DATE: 08/06/2016
CUSTOMER NO: 2609
INVOICE NO: FINA-2015-00000095
DEPARTMENT: 145 Finance

Billing Inquiries:
Finance Department
(701)355-1615

BURLEIGH COUNTY WATER RESOURCE DISTRICT%M LIVDAHL
1811 E THAYER AVE
BISMARCK, ND 58501-0000

Description		Quantity	Unit Price	Total Price
Rent-City/County Bldg	Building Expenses for May	1	$29.0600	$29.06

Invoice Total:	$29.06
Prepaid Amount:	-$0.00
Balance Due:	**$29.06**

tear here

Customer #	BILLING DATE	DUE DATE	INVOICE #	Total Due
2609	07/06/2015	08/06/2016	FINA-2015-00000095	$29.06

Pay this Amount $29.06

BURLEIGH COUNTY WATER RESOURCE DISTRICT%M LIVDAHL 1811 E THAYER AVE BISMARCK, ND 58501-0000	***Payment to:*** City of Bismarck PO Box 5503 Bismarck, ND 58506-5503

TO ENSURE PROPER POSTING TO YOUR ACCOUNT, DETACH AND RETURN THIS PORTION WITH YOUR PAYMENT.

#2015-4457

CITY/COUNTY OFFICE BUILDING

SPREADSHEET FOR THE MONTH OF MAY

County lease reads 12,000 square feet = 4000.00 per month

Bill @ 4.00 per square foot

DEPARTMENT	%	%	SQUARE FEET	GAS	ELEC.	JANITORIAL SUPPLIES	ANTHONY'S SALARY	JANITORIAL CONTRACT	WATER	Totals	RENT	Adjustment
ND Health	-	-	0	-	-	-	-	-	-	-	-	
County	0.2093	-	12,000	60.13	1,065.25	N/A	N/A	-	90.95	1,216.33	4,000.00	
Water Mgmt.	0.0050	-	286	1.44	25.45	N/A	N/A	N/A	2.17	29.06	95.33	
MPO	0.0198	0.0252	1136	5.69	100.77	16.67	101.62	115.89	8.60	349.24	378.67	-
HUD	0.0056	0.0071	319	1.61	28.50	4.70	28.63	32.65	2.43	98.52	106.33	-
City Offices	0.7603	0.9677	43,583	218.40	3,869.62	639.96	3,902.27	4,450.34	330.40	13,410.99	-	
TOTAL	1.0000	1.0000	57324	287.27	5,089.59	661.33	4,032.52	4,598.88	434.55	15,104.14		
Total w/o County			45,038									

	EL 0000	Debit	Credit		
MPO	100 170 125 4430 100	145.58		20% of Total	No Journal Entry for the 20% will be entered into NW
	100 170 135 4430 100	582.33		80% of Total	
	100 102 002 3700 100	(727.91)			
	CDBG14/ADMN				
HUD	315 315 130 4430 100	204.85		Rent	
	100 102 002 3700 100	(204.85)			

Note: PJ needs 6 copies to distribute.

Personalized Management Services, Inc.

1811 E Thayer Ave - PO Box 712
Bismarck, ND 58502
(701) 222-3499

Invoice

Date	Invoice #
7/8/2015	5602

Bill To
BCWRD

Description	Amount
Administrative Fees - June	1,000.00
Typing - drainage complaints, SWC, MRCC	446.00
Bookkeeping - June	80.00
Printing - Color	28.56
Photocopies	26.70
Postage (May)	71.21
Total	$1,652.47

INVOICE

County of Burleigh
221 North 5th St
Bismarck, ND 58501

Questions ? Please See Phone Number Below

Invoice Date	Invoice Number	Rev.
07/07/2015	2015000196	0

Customer P.O. Number
Reference

Bill To :

BURLEIGH COUNTY WATER RESOURCE DISTRICT
1811 E Thayer Ave
BISMARCK, ND 58501

Attn: Accounts, Payable
Phone: Fax: **Project:** Auditor (701)222-6694

Qty	Unit	Product#	Description	Unit Price	Extended	Tax	Freight
1.00	EA		Weed Spraying #1475	112.4600	112.46	0.00	0.00

NOTES:

Sub-Total:	112.46
Freight:	0.00
Tax:	0.00
Total Amount:	112.46

ORIGINAL

SPRAY TICKET AND INITIAL BILLING SHEET

BURLEIGH COUNTY WEED CONTROL PROGRAM

Ticket Number 1475 C

Renter
Land Owner: Burleigh Co. Water Resource Board Address: 1811 E. Thayer Ave Bismarck ND

1/4 SEC.	TWNSP.	RANGE	1/4 SEC.	TWNSP.	RANGE	1/4 SEC.	TWNSP.	RANGE

Land Description NE¼ Sec 28 T140N R81W

Warmwood (TYPE OF WEED) | Canadian Thistle (TYPE OF WEED) | Leafy Spurge (TYPE OF WEED)

W.W., C.T., L.S. (TYPE OF WEED) Residential Lots (LAND USE) was sprayed using 7oz Milestone (AMOUNT AND TYPE OF HERBICIDE)

in 25 (GALLONS OF WATER), and applied with #15 Boom/Handsprayer (TYPE OF EQUIPMENT OR UNIT NUMBER)

between the hours of 130 am/~~pm~~ and 230 am/~~pm~~ and _____ am/pm and _____ am/pm

Time: 200	Time:	Time:	Time:
Temp: Calc-9	Temp:	Temp:	Temp:
Wind: NE8.1 M.P.H.	Wind: M.P.H.	Wind: M.P.H.	Wind: M.P.H.
Number of Gallons: 200	Number of Gallons:	Number of Gallons:	Number of Gallons:

Right of way as shown on map below

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Riverside T140N R81W (TOWNSHIP)

Approx. Acreage/Miles Treated: 8

CHARGES

Spraying: 1 hrs. @ $ 75.00/hr.		$ 75.00
56 oz Milestone @	283.02	$ 123.82
2 qt. Adjuvant @	2.20	$ 4.10
2 qt. Colorant @	46.00	$ 22.00
@		$
@ Total		$ 224.92
Less County Cost Share 50 %		$
Amount Due		$ 112.46

EPA #lbs. Active Ingredient per gal.
_____ Tordon 22K — 2 lbs.
62719-576 Milestone — 2 lbs.
_____ 24D Amine — 4 lbs.

Send Payment To: Burleigh County Auditor
Box 5518
Bismarck, ND 58506

Renter
Land Owner: _____ Date _____
(SIGNATURE OF LAND OWNER OR REPRESENTATIVE)

Township Rep.: _____
(SIGNATURE OF TOWNSHIP PERSON WITH THE SPRAYER OR COUNTY WEED OFFICER)

Contract Sprayer: _____ 10068907 Date 6/24/25
(or Representative) (LICENSE NO.)

ALL COMPLAINTS MUST BE SUBMITTED TO B.C.W.B WITHIN 30 DAYS OF APPLICATION

INVOICE

City of Bismarck
PO Box 5503
Bismarck, ND 58506
(701) 355-1615

DATE: 06/01/2015
DUE DATE: 07/01/2015
CUSTOMER NO: 2609
INVOICE NO: W675-2015-00000042
DEPARTMENT: 660 Public Works Service Operations

Billing Inquiries:
City of Bismarck

BURLEIGH COUNTY WATER RESOURCE DISTRICT%M LIVDAHL
1811 E THAYER AVE
BISMARCK, ND 58501-0000

Description		Quantity	Unit Price	Total Price
Storm Water-Misc	Lower Burnt Creek Survey and Study	1	$15,000.0000	$15,000.00

Invoice Total:	$15,000.00
Prepaid Amount:	-$0.00
Balance Due:	**$15,000.00**

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Customer #	BILLING DATE	DUE DATE	INVOICE #	Total Due
2609	06/01/2015	07/01/2015	W675-2015-00000042	$15,000.00

Pay this Amount $15,000.00

BURLEIGH COUNTY WATER RESOURCE DISTRICT%M LIVDAHL
1811 E THAYER AVE
BISMARCK, ND 58501-0000

Payment to:
City of Bismarck
PO Box 5503
Bismarck, ND 58506-5503

TO ENSURE PROPER POSTING TO YOUR ACCOUNT, DETACH AND RETURN THIS PORTION WITH YOUR PAYMENT.

emailed Gordon 6/12/15

BISMARCK PARKS AND RECREATION
400 East Front Avenue
Bismarck, ND 58504
701-222-6455
701-221-6838 (fax)

INVOICE

INVOICE NO: 3896
DATE: 6/8/2015

TO: Mona Livdahl
BCWRD
1811 E. Thayer Avenue
Bismarck, ND 58501

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
	May 2015 McDowell Dam billing Reviewed 6-10-15		$ 34,185.09
		TOTAL DUE:	**$ 34,185.09**

Make all checks payable to Bismarck Parks and Recreation.
If you have any additional questions concerning this invoice, call 222-6455.

THANK YOU!
Please return bottom portion with your payment

	Invoice No.	Amt. Due
Mona Livdahl BCWRD 1811 E. Thayer Avenue Bismarck, ND 58501	3896	$ 34,185.09

Mail payment to: Bismarck Parks & Recreation, 400 East Front Ave., Bismarck, ND 58504

BURLEIGH COUNTY WATER RESOURCE DISTRICT
McDowell Dam Monthly Billing

Bismarck Parks & Recreation District
400 E. Front Ave
Bismarck, ND 58504

For The Month Ended May 31, 2015

Date Submitted: 6/8/2015

Salaries & Wages	$	21,133.90
Employer Payroll Taxes		1,616.74
Employee Pension & Health Benefits		1,982.31
Operating Expenses		2,615.12
Capital Improvement Expenses		-
Total Expenses	$	27,348.07
Administrative Fee		
(25% of Operating Expenses)	$	6,837.02
(5% of Capital Improvement Expenses)		-
Total Amount Requested	$	34,185.09

J Tornshell
Prepared By

Board Member

HR + Admin Coordinator
Title

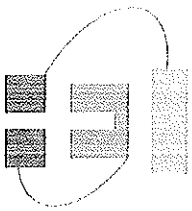
G/L NUMBER	DESCRIPTION	EMPL # & NAME	PAYROLL DATE	TYPE	HOURS	GROSS EARNINGS
011200-510100	FULL-TIME SALARIES	2085 ECKLUND, FORREST W.	05/01/15	C	72.00	1,272.00
		7517 ROBINSON, DAVID H.	05/01/15	C	8.00	151.05
		7517 ROBINSON, DAVID H.	05/15/15	C	80.00	1,510.50
		7517 ROBINSON, DAVID H.	05/29/15	C	80.00	1,510.50
			ACCOUNT TOTALS		240.00	4,444.05
011200-510200	PART-TIME SALARIES	0920 BERG, BURNELL A.	05/01/15	C	20.00	310.00
		0920 BERG, BURNELL A.	05/15/15	C	46.50	720.75
		0920 BERG, BURNELL A.	05/29/15	C	45.50	705.25
		4695 JOHNSON, SETH M.	05/29/15	C	80.00	1,040.00
		6668 OSHANYK, JAMES L.	05/29/15	C	22.50	326.25
		9890 ZIMMERMAN, JERRY A.	05/15/15	C	55.50	666.00
		9890 ZIMMERMAN, JERRY A.	05/29/15	C	75.50	906.00
			ACCOUNT TOTALS		345.50	4,674.25
011200-510500	SICK & ANNUAL LEAVE	2085 ECKLUND, FORREST W.	05/15/15	C	248.00	4,382.16
		2085 ECKLUND, FORREST W.	05/15/15	C	432.00	7,633.44
			ACCOUNT TOTALS		680.00	12,015.60

McDowell Dam Monthly Billing

May-15

Salaries & Wages		
Salaries - Full time	$ 4,444.05	
Accrued Sick Leave Pay	12,015.60	
Wages - Part time	4,674.25	
Wages - Part time (Overtime)	-	
Total Salaries & Wages		$ 21,133.90
Employer Payroll Taxes		
Social Security/Medicare	1,616.74	
Worker's Compensation - Premium Rate	-	
Worker's Compensation - Paid Benefits	-	
Unemployment	-	
Total Employer Payroll Taxes		1,616.74
Employee Benefits		
Pension	462.18	
Job Service	-	
Health & Life Insurance	1,520.13	
Total Employee Benefits		1,982.31
Property & Liability Insurance		
State Fire & Tornado	-	
General Liability	-	
Multi Coverage	-	
Auto Liability	-	
Total Property & Liability Insurance		-
Operating Expenses		
Professional Services	-	
Service Contracts	-	
Sanitary Systems	125.00	
Parking Lots & Trail Repair	-	
Shop Supplies	-	
Janitorial Supplies	-	
Miscellaneous Supplies	-	
Fuel	115.49	
Repairs & Replacement	1,227.73	
Uniforms	341.50	
Tools	119.99	
Boiler Insurance	-	
Total Operating Expenses		1,929.71
Capital Improvements		
Building and Building Remodeling	-	-
Utilities		
Natural Gas	-	
Electricity	181.06	
Garbage Removal	70.10	
Water	309.00	
Telephone	125.25	
Total Utilities		685.41
Total Expenses		$ 27,348.07

INVOICE



HoustonEngineering Inc.

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

Ms. Mona Livdahl
Administrative Secretary
Burleigh County Water Resource District
1811 Thayer Avenue East
Bismarck, ND 58501

July 06, 2015
Invoice No: 0025695
Due Date: August 05, 2015

Project R081032-100 McDowell Dam Recreation Area

BCWRD Account No.: 905

See attached Project Status Report and Invoice Description.

Professional Services from May 11, 2015 to June 28, 2015

Professional Personnel

	Hours	Rate	Amount	
Senior Project Manager	1.00	176.00	176.00	
Project Manager	.50	160.00	80.00	
Design Engineer	.75	116.00	87.00	
Totals	2.25		343.00	
Total Labor				**343.00**
		Total this Invoice		**$343.00**

HoustonEngineering Inc.

Project Status and Invoice Description

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

HEI Project No.:	**1032-100 : McDowell Dam Recreation Area**
BCWRD Account No.	**905**
Project Name:	**McDowell Dam Recreation Area**

Billing Period: *May 11, 2015 through June 28, 2015*

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:

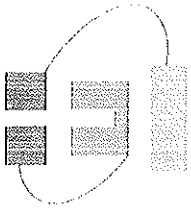
- Coordination with gate contractor (Veit)
- Budgeting Discussions
- Coordination for Property Appraisal (Bachmeier)
- WRD Meeting & Project Discussion
- Contract data provided by Veit under review

Comments:

- Notice to proceed issued for gate structure repairs – Summer 2015

See accompanying invoice and cost summary for personnel cost breakdown.

INVOICE



HoustonEngineering Inc.

Remit to:
1401 21st Ave N, Fargo, ND 58102
Phone: 701.237.5065
Fed Tax ID: 45-0314557
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Ms. Mona Livdahl
Administrative Secretary
Burleigh County Water Resource District
1811 Thayer Avenue East
Bismarck, ND 58501

July 06, 2015
Invoice No: 0025696
Due Date: August 05, 2015

Project R084241-000 Burleigh Co. WRD - General

BCWRD Project No.: 315 - Engineering Administration

See attached Project Status Report and Invoice Description.

Professional Services from June 01, 2015 to June 28, 2015

Phase 000 Burleigh Co. WRD - General

Monthly Lump Sum Amount

Fee		**1,000.00**
	Total this Phase	**$1,000.00**
	Total this Invoice	**$1,000.00**

HoustonEngineering Inc.

Project Status and Invoice Description

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

HEI Project No.:	**4241-000 : BCWRD General Services**
BCWRD Account No.	**315 – Engineering Administration**
Project Name:	**General Engineering Services**

Billing Period: *June 01, 2015 through June 28, 2015*

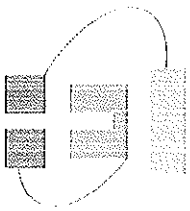
Professional engineering and surveying services related to activities and issues addressed at the request and direction of the BCWRD during this billing period, including time associated with, but not limited to the following:

- June Board Meeting
- Meeting preparation and discussion
- Review of minutes and agenda updates
- File room cleanup – extra time for records review of documents

Comments:

- This invoice is only for Board meeting related time only. In accordance with Board direction, all costs associates with drainage complaints, storm water master plans, and other project related activities have been invoiced to assigned project numbers.

INVOICE



HoustonEngineering Inc.

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Ms. Mona Livdahl
Administrative Secretary
Burleigh County Water Resource District
1811 Thayer Avenue East
Bismarck, ND 58501

July 06, 2015
Invoice No: 0025697
Due Date: August 05, 2015

Project R084241-300 Burnt Creek Floodway Rehabilitation and O&M

BCWRD Account No. 940 - Shared Projects
Work Order No. 20 (phase 004)

See Attached Project Status Report and Invoice Description.

Professional Services from May 25, 2015 to June 28, 2015

Phase 200 Construction and Contract Administration

Professional Personnel

	Hours	Rate	Amount	
Senior Project Manager	3.00	176.00	528.00	
Project Engineer	4.00	146.00	584.00	
Totals	7.00		1,112.00	
Total Labor				1,112.00
		Total this Phase		**$1,112.00**

Phase 300 Feild Engineering Services

Professional Personnel

	Hours	Rate	Amount	
Senior Project Manager	2.00	176.00	352.00	
Project Engineer	12.00	146.00	1,752.00	
Totals	14.00		2,104.00	
Total Labor				2,104.00
		Total this Phase		**$2,104.00**

Phase 400 Construction Surveying

Professional Personnel

	Hours	Rate	Amount	
Senior Land Surveyor	2.00	143.00	286.00	
Graduate Technician	4.00	82.00	328.00	
Two Person Crew	5.00	154.00	770.00	
Totals	11.00		1,384.00	
Total Labor				1,384.00

Unit Billing

(BSK) GPS Equipment Unit Hours	4.0 Hours @ 25.00	100.00
(BSK) Lath		36.00

.(BSK) Mileage - Survey/Inspection	25.0 Miles @ 0.775	19.38	
Total Units		155.38	155.38
		Total this Phase	$1,539.38

Phase 600 Evaluation of Downstream Obstructions - Burnt Creek

Professional Personnel

	Hours	Rate	Amount	
Senior Project Manager	1.75	176.00	308.00	
Project Engineer	5.50	146.00	803.00	
Totals	7.25		1,111.00	
Total Labor				1,111.00
			Total this Phase	$1,111.00

Phase 700 Financial Review and Bonding

Professional Personnel

	Hours	Rate	Amount	
Senior Project Manager	.50	176.00	88.00	
Project Manager	.50	160.00	80.00	
Totals	1.00		168.00	
Total Labor				168.00
			Total this Phase	$168.00
			Total this Invoice	$6,034.38

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

Project Status and Invoice Description

HEI Project No.:	**4241-300**
BCWRD Account No.	**940 – Burnt Creek Rehabilitation**
Project Name:	**Burnt Creek Flood Control Project**

Invoice Period: *May 25, 2015 through June 28, 2015*

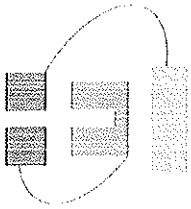
The following professional engineering and surveying services were provided on the Burnt Creek Flood Control Project. The services were provided for advancement of both the Floodway Rehabilitation and the 2011 Flood Damage Repair efforts.

- Various Project Communication and Coordination
- Downstream Landowner's – Obstruction/Impacts issues evaluated and monitored
- Floodway Re-construction Observation – Cleanout near completed
- Downstream data collection after flood event – flow documentation
- Various Construction Staking
    - Bank stabilization area – modifications to rock placement and extent

Comments/Issues/Problems

- Additional Cost Share Request Submitted to State Engineer
- Scope of services does not include evaluating obstructions downstream along the Old Burnt Creek Channel, or items related to assessment district, financial review, financing and bonding activities. These tasks completed as directed by the Burleigh County Water Resource Board, and compensated for on a time and materials basis.
- Change Order #1 issued awarding three alternates
    - Options related to gate installation area being considered due to costs
- Rain delays continue – higher than normal flows on Burnt Creek – Missouri River lower
- Landowner communications continue related to downstream issues, which have taken a considerable amount of time and attention.
- Survey of event flows to establish base line conditions and backwater elevations

INVOICE



HoustonEngineering Inc.

Remit to:
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Fed Tax ID: 45-0314557
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Ms. Mona Livdahl
Administrative Secretary
Burleigh County Water Resource District
1811 Thayer Avenue East
Bismarck, ND 58501

July 06, 2015
Invoice No: 0025698
Due Date: August 05, 2015

Project R096025-005 Missouri River Studies - BCWRD

BCWRD Account No.: 910 - Shared Projects

See Attached Project Status Report and Invoice Description.

Professional Services from February 23, 2015 to June 28, 2015

Professional Personnel

	Hours	Rate	Amount	
Senior Project Manager	6.75	176.00	1,188.00	
Project Manager	6.00	160.00	960.00	
Totals	12.75		2,148.00	
Total Labor				2,148.00
		Total this Invoice		$2,148.00

HoustonEngineering Inc.

Project Status and Invoice Description

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

HEI Project No.:	**R096025-005**
BCWRD Account No.	**910 – Shared Projects**
Project Name:	**Missouri River Studies**

Billing Period: *February 23, 2015 through June 28, 2015*

Professional engineering services related to activities associated with Missouri River Studies These services provided included, but were not limited to, the following

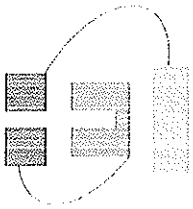
- Attend USGS Sedimentation Study Results Meeting
- Prepare Memorandum supporting additional study work
- Agency Coordination – Calls regarding future study opportunities
- Directed to prepare letter to State Engineer supporting additional study work

Comments and Issues

- Memorandum suggesting additional study provided to USGS
- Board authorized letter to State Engineer, USGS and other study partners
- USGS proposes creation of a scientific advisory panel to prioritize next steps
- USGS Reports remain to be formally published, one of three is completed

See accompanying invoice for personnel cost breakdown.

INVOICE



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Ms. Mona Livdahl
Administrative Secretary
Burleigh County Water Resource District
1811 Thayer Avenue East
Bismarck, ND 58501

July 06, 2015
Invoice No: 0025699
Due Date: August 05, 2015

Project R106025-006 Fox Island Flood Control

BCWRD Account No.: 937 - Special Assessment Projects

See attached Project Status Report and Invoice Description.

Professional Services from May 25, 2015 to June 28, 2015

Phase 007 Public Hearing and Assessment Vote

Professional Personnel

	Hours	Rate	Amount	
Senior Project Manager	1.00	176.00	176.00	
Project Manager	3.50	160.00	560.00	
Design Engineer	1.00	116.00	116.00	
Totals	5.50		852.00	
Total Labor				**852.00**
		Total this Phase		**$852.00**
		Total this Invoice		**$852.00**

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

Project Status and Invoice Description

HEI Project No.:	**R106025-006**
BCWRD Account No.	**937 – Special Assessment Projects**
Project Name:	**Fox Island Flood Control**

Billing Period: *May 25, 2015 through June 28, 2015*

Professional engineering services related to the activities associated with the petition of the Fox Island residents and completion of a preliminary engineering feasibility study related to flood control and protection from the Missouri River.

Tasks Completed:

- Review cost breakdown and potential assessments in light of legislative funding
- Discussions with County Engineer related to funds, and impacts on River View Twp monies
- Landowner calls related to timeline on public hearing and vote on the project
- Levee location calls, residential sale pending – Easement requirement in this area

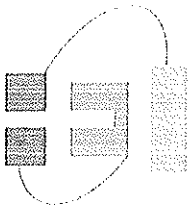
Comments and Issues

- Recent state legislation and SWC budget provides earmark funding for project, including part of the Lincoln TWP roadway share.

- Dr. Herringer has requested a quote to stake the potential levee location though his property. This would allow him to determine impact and extent of the use for his parcel, as he is looking at creating several residential lots that would be annexed into the City of Bismarck.

See accompanying invoice for personnel cost breakdown.

INVOICE



HoustonEngineering Inc.

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Ms. Mona Livdahl
Administrative Secretary
Burleigh County Water Resource District
1811 Thayer Avenue East
Bismarck, ND 58501

July 06, 2015
Invoice No: 0025700
Due Date: August 05, 2015

Project R126025-012 Missouri River Correctional Facility FHMP

BCWRD Account No.: 937F-1
Work Order No. 18

See attached Project Status Report and Invoice Description.

Professional Services from May 25, 2015 to June 28, 2015

Professional Personnel

	Hours	Rate	Amount	
Senior Project Manager	3.75	176.00	660.00	
Project Manager	16.00	160.00	2,560.00	
Design Engineer	.25	116.00	29.00	
Graduate Engineer	.50	105.00	52.50	
Totals	20.50		3,301.50	
Total Labor				3,301.50

Reimbursable Expenses

Reimbursable Project Expense

5/31/2015	The Bismarck Tribune	MRCC Flood Control Project PO: Notice of Order	99.00	
	Total Reimbursables		99.00	99.00
		Total this Invoice		$3,400.50

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

Project Status and Invoice Description

HEI Project No.:	**R126025-012**
BCWRD Account No.	**937F-1 Design and Special Assessment Project**
Project Name:	**Missouri River Correctional Center**

Billing Period: *May 25, 2015 through June 28, 2015*

Professional engineering services related to activities associated with development of the Missouri River Correctional Center Flood Control Levee including, but not limited to, the following:

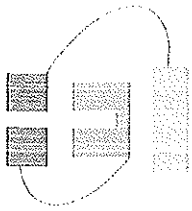
- Communications regarding funding legislation
- Schedule & Prepare for 2nd Public Hearing
- Facilitate Public Hearing and media discussions
- Prepare revised ballot and letter to voters – Review vote tally
- Respond to calls related to project assessment numbers and projected costs
- Prepare Post Vote Documents
- Vote Talley summary spreadsheet review

Comments and Issues

- Public Hearing held May 19th
- Ballots were due by June 19th – Residents approved the project
- Legislature provided earmark funding – impact to final assessments remain to be determined
  - Contact with the SWC regarding funding disbursement to occur in July

See accompanying invoice for personnel cost breakdown.

INVOICE



HoustonEngineering Inc.

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Ms. Mona Livdahl
Administrative Secretary
Burleigh County Water Resource District
1811 Thayer Avenue East
Bismarck, ND 58501

July 06, 2015
Invoice No: 0025701
Due Date: August 05, 2015

Project R136025-016 Hogue Island Acquisition Site Restoration

BCWRD Account No.: 937

See attached Project Status Report and Invoice Description.

Professional Services from May 11, 2015 to June 28, 2015

Phase 001 Acquisition Program - Ad/Sale

Professional Personnel

	Hours	Rate	Amount	
Senior Project Manager	4.00	176.00	704.00	
Project Manager	.50	160.00	80.00	
Project Engineer	2.50	146.00	365.00	
Senior Land Surveyor	3.00	143.00	429.00	
Graduate Technician	2.00	82.00	164.00	
Totals	12.00		1,742.00	
Total Labor				**1,742.00**
		Total this Phase		**$1,742.00**
		Total this Invoice		**$1,742.00**

Houston Engineering Inc.
3712 Lockport Street
Bismarck, ND 58503
Phone: 701-323-0200
Fax: 701-323-0300

Project Status and Invoice Description

HEI Project No.:	**6025-016**
BCWRD Account No.	**937 Design and Special Assessment District**
Project Name:	**Hogue Island Acquisition Site Restoration**

Billing Period: *May 11, 2015 through June 28, 2015*

Professional engineering and surveying services related to the acquisition, removal and restoration of the four residential sites on the north end of Hogue Island, including time associated with, but not limited to the following:

Tasks Completed:

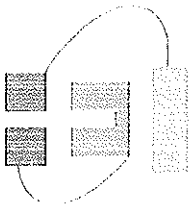
- Discussions regarding property disposition options
- Discussions regarding resident meetings and related information
- Site visit regarding top soil placement, trespass and site restoration items
  - Photo record created to document site impacts
- Calls from legal counsel related to property issues

Comments and Issues:

- SWC's interpretation is that the Cost Share Agreement and conditions require the SWC to be reimbursed 75% if the property were sold.
- Options for other public entity use of the properties is under consideration.
- Options related to holding, transfer or sale of property remain to be evaluated
- Board directed property corners to be marked with steel fence posts, this work was not completed during this invoice period.

See accompanying invoice for personnel cost breakdown.

INVOICE



HoustonEngineering Inc.

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Ms. Mona Livdahl
Administrative Secretary
Burleigh County Water Resource District
1811 Thayer Avenue East
Bismarck, ND 58501

July 06, 2015
Invoice No: 0025702
Due Date: August 05, 2015

Project R146025-018 Burleigh County WRD Drainage Complaints

BCWRD Account No.: 910

See attached Project Status Report and Invoice Description.

Professional Services from March 23, 2015 to June 28, 2015

Phase 000 General Inquires

Professional Personnel

	Hours	Rate	Amount	
Senior Project Manager	3.25	176.00	572.00	
Project Manager	.50	160.00	80.00	
Design Engineer	3.50	116.00	406.00	
Graduate Engineer	.75	105.00	78.75	
Totals	8.00		1,136.75	
Total Labor				1,136.75
			Total this Phase	**$1,136.75**

Phase 001 DeKrey Complaint

Professional Personnel

	Hours	Rate	Amount	
Senior Project Manager	1.00	176.00	176.00	
Project Manager	1.00	160.00	160.00	
Totals	2.00		336.00	
Total Labor				336.00
			Total this Phase	**$336.00**
			Total this Invoice	**$1,472.75**

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

Project Status and Invoice Description

HEI Project No.:	**6025-018: Drainage Complaints**
BCWRD Account No.	**910 Shared Projects**
Project Name:	**Drainage Complaints**

Billing Period: *March 23, 2015 through June 28, 2015*

Professional engineering and surveying services related to the evaluation of drainage complaints.

General Inquiries (000)

- Apple Creek/Earl Snyder - Site Review
  - Photo record created
  - Letter response to dismiss complaint
- Prepare exhibit for 6146 Whitney Court – information to County Engineer

DeKrey Complaint (001)

- Site inspection after rainfall – photo record
- Request from County Engineer related to culvert modifications

Comments:

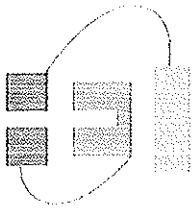
General Inquiries

- Miscellaneous calls and inquiries after heavy rainfall events regarding issues

Phase (000) General Inquiries	$	1,136.75
Phase (001) DeKrey Complaint	$	336.00
Total	**$**	**1,472.75**

See accompanying invoice for personnel cost breakdown.

INVOICE



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Burleigh County Water Resource District
1811 Thayer Avenue East
Bismarck, ND 58501

July 06, 2015
Invoice No: 0025703
Due Date: August 05, 2015

Project R146025-020 Burleigh County WRD Country Creek 3rd Maintenance

BCWRD Account No.: 937H-1

See attached Project Status Report and Invoice Description.

Professional Services from December 29, 2014 to June 28, 2015

Phase 001 Assessment District

Professional Personnel

	Hours	Rate	Amount	
Project Manager	.50	160.00	80.00	
Totals	.50		80.00	
Total Labor				**80.00**
			Total this Phase	**$80.00**

Phase 003 Construction Management Services

Professional Personnel

	Hours	Rate	Amount	
Senior Project Manager	.50	176.00	88.00	
Design Engineer	2.00	116.00	232.00	
Totals	2.50		320.00	
Total Labor				**320.00**
			Total this Phase	**$320.00**
			Total this Invoice	**$400.00**

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

Project Status and Invoice Description

HEI Project No.:	**6025-020 : Country Creek 3rd Watershed Evaluation**
BCWRD Account No.	**937H-1 Design and Special Assessment Projects**
Project Name:	**Country Creek 3rd Watershed Evaluation**

Billing Period: *December 29, 2014 through June 28, 2015*

Professional engineering and surveying services related to the evaluation of drainage complaints and the development of an assessment district to finance the design, construction and maintenance of a stormwater detention area and conveyance channel.

Tasks Completed:

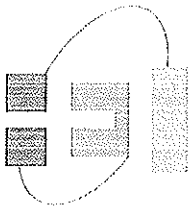
- Site visit & discussions regarding spring erosion
- Continued rainfalls have created issues with maintaining erosion controls
- Discussions with contractor (Mariner)
- Notice to Mariner erosion controls must be maintained until the site is 70% revegetated
- Photo record created

Comments and Issues:

- Erosion and sediments have created issues on the west portion of the project at Runnel Road. There is a need to remove topsoil sediments in this area to restore the upstream channel and to reseed the area, especially the channel bottom.
- Additional heavy rains will continue to hamper or stall restoration measures, site monitoring continues.
- Need to complete the assessment district this fall once the final plats for County Ridge First and Second Addition are recorded.

See accompanying invoice for personnel cost breakdown.

INVOICE



HoustonEngineering Inc.

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Ms. Mona Livdahl
Administrative Secretary
Burleigh County Water Resource District
1811 Thayer Avenue East
Bismarck, ND 58501

July 06, 2015
Invoice No: 0025704
Due Date: August 05, 2015

Project R146025-021 Missouri River Bank Stabilization Issues

BCWRD Account No.: 937I-1

See attached Project Status Report and Invoice Description.

Professional Services from May 11, 2015 to June 28, 2015

Phase 004 COE Section 32 Easement Documentation

Professional Personnel

	Hours	Rate	Amount	
Senior Project Manager	.75	176.00	132.00	
Totals	.75		132.00	
Total Labor				**132.00**
			Total this Phase	**$132.00**

Phase 005 Fox Island Boat Ramp - BPRD

Professional Personnel

	Hours	Rate	Amount	
Senior Project Manager	3.00	176.00	528.00	
Project Manager	7.50	160.00	1,200.00	
Totals	10.50		1,728.00	
Total Labor				**1,728.00**
			Total this Phase	**$1,728.00**
			Total this Invoice	**$1,860.00**

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

Project Status and Invoice Description

HEI Project No.:	**6025-021 : Missouri River Bank Stabilization**
BCWRD Account No.	**937I-1**
Project Name:	**Missouri River Bank Stabilization**

Billing Period: *May 11, 2015 through June 28, 2015*

Professional engineering and surveying services related to Missouri River Bank Stabilization.

Tasks Completed:

- Coordination for Fox Island Boat Ramp Stabilization Easement
  - Legal counsel review of document completed
  - Provided document to Bismarck Parks and Recreation District
- Verify ownership
- Draft transmittal letter from County Commission to State Engineer and COE has been completed, but not provided to them for signature, wait on the signed easement, which has now been received.

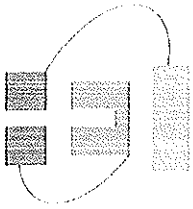
Comments and Issues:

- Desire is to have the Missouri River Stabilization Easements shown on maps that can be used to preserve the intended ROW access to the Section 32 structures. Additional work on this is required if the easement provisions are to be enforced.
- Fox Island Boat Ramp Easement remains to be completed per direction by Burleigh County Commission. Mapping work is underway, but is not included in this invoice.
- Fox Island easement task will be completed when the final document is recorded and transmitted to the State Engineer and COE

See accompanying invoice for personnel cost breakdown.

COE Section 32 Easements	$ 132.00
Fox Island Boat Ramp – BPRD	$ 1,728.00
Total	**$ 1,860.00**

INVOICE



HoustonEngineering Inc.

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

Ms. Mona Livdahl
Administrative Secretary
Burleigh County Water Resource District
1811 Thayer Avenue East
Bismarck, ND 58501

July 06, 2015
Invoice No: 0025705
Due Date: August 05, 2015

Project R146025-022 BCWRD - Apple Creek Watershed Projects

BCWRD Account No.: 941

See attached Project Status Report and Invoice Description.

Professional Services from December 29, 2014 to June 28, 2015

Phase 002 Jim Miller - Channel Restoration

Professional Personnel

	Hours	Rate	Amount	
Senior Project Manager	1.50	176.00	264.00	
Graduate Engineer	16.50	105.00	1,732.50	
Graduate Technician	.50	82.00	41.00	
Two Person Crew	3.00	154.00	462.00	
Totals	21.50		2,499.50	
Total Labor				**2,499.50**

Unit Billing

(BSK) GPS Equipment Unit Hours	2.0 Hours @ 25.00	50.00	
(BSK) Mileage - Survey/Inspection	30.0 Miles @ 0.775	23.25	
Total Units		73.25	73.25
	Total this Phase		**$2,572.75**
	Total this Invoice		**$2,572.75**

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

Project Status and Invoice Description

HEI Project No.: 6025-022 : Apple Creek Watershed Projects
BCWRD Account No. 941

Billing Period *December 29, 2014 through June 28, 2015*

Professional engineering and surveying services related to activities and project issues in the Apple Creek Watershed during the noted period, including time associated with, but not limited to the following:

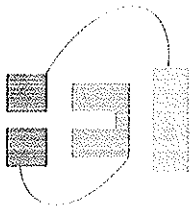
- Jim Miller Overflow Channel Restoration
- Completed site survey of eroded conditions
- Completed preliminary design after conversation with County Engineer
- Option to utilize County erosion control materials has been incorporated into the design

Comments:

- The restoration of the site has failed from the previous reconstruction and erosion has occurred.
- Consideration was given to the previous design and potential failure mechanisms
  - Erosion control measures, fabric type and lack of vegetative cover contributed to failure
- Next step is to provide preliminary design to County Engineer for consideration and options to utilize his crews to complete the next restoration.

See accompanying invoice and cost summary for personnel cost breakdown.

INVOICE



HoustonEngineering Inc.

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

Ms. Mona Livdahl
Administrative Secretary
Burleigh County Water Resource District
1811 Thayer Avenue East
Bismarck, ND 58501

July 06, 2015
Invoice No: 0025706
Due Date: August 05, 2015

Project R146025-023 Burleigh County WRD Drain Permit Applications

BCWRD Account No.: 941

See attached Project Status Report and Invoice Description.

Professional Services from May 25, 2015 to June 28, 2015

Phase 002 Bismarck Airport ACIP - Phase II

Professional Personnel

	Hours	Rate	Amount	
Senior Project Manager	5.25	176.00	924.00	
Project Manager	6.00	160.00	960.00	
Design Engineer	9.25	116.00	1,073.00	
Graduate Engineer	2.00	105.00	210.00	
Totals	22.50		3,167.00	
Total Labor				3,167.00
		Total this Phase		**$3,167.00**
		Total this Invoice		**$3,167.00**

HoustonEngineering Inc.

Project Status and Invoice Description

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

HEI Project No.: 6025-023 : Drain Permit Applications
BCWRD Account No. 941

Billing Period: *May 25, 2015 through June 28, 2015*

Professional engineering and surveying services related to responding to Drain Permit Applications during the noted period, including time associated with, but not limited to the following:

Bismarck Airport ACIP – Phase II (002)

- Review of SWMM model provided and permit application
- Review of FAA letter for the Apple Creek Industrial Park
- Documented model deficiencies and forwarded comments to KLJ
- Discussion with HDR regarding deficiency issues and hold on review until addressed
- Discussion with the City of Bismarck related to permit review

Comments:

- Drainage Permit Application has been forwarded by State Engineer and subsequently provided to the BCWRD as being not of state-wide or interdistrict significance.
- Conditions to the Phase II permit need to consider ACIP levee impacts and comports to an approved internal drainage plan and SWMP compliance.
- Received electronic data release for hydrology model – signed by BCWRD representative
- City Engineer has assigned review of Airport SWMP to HDR Engineering
- Our initial data review noted a number of deficiencies in the hydrology model, which will affect the report results. Subsequently, a final review and recommendation will not be completed until the modeling data is updated. A second request to obtain this information has been sent, as final recommendations may not be ready by the August meeting.

See accompanying invoice and cost summary for personnel cost breakdown.

Bain Agency, Inc.
1500 East Capitol Avenue ▪ Bismarck, ND 58501
Phone (701) 223-2233 ▪ Fax (701) 223-0284
www.bainagency.com

June 15, 2015

Mona Livdahl
Burleigh County Water Resource
1811 E Thayer Avenue
Bismarck ND 58501

RE:		
	Policy Description:	Commercial General Liability
	Policy Number:	GL03401 02
	Insurance Company:	North Dakota Ins Reserve Fund
	Effective Dates:	07/01/15 to 07/01/16

Dear Mona:

We at Bain Agency Inc. appreciate the opportunity to provide the insurance protection for your business. Enclosed is your General & Governance Liability policy. Please take a few minutes to read the policy to be sure limits meet your needs and no items have been omitted.

Enclosed is an invoice for the annual premium. Payments should be mailed prior to the due date to avoid any late fees or interruption in the coverage.

Also enclosed is a checklist of coverage included and options for your consideration. Please review, sign and return to our office at your earliest convenience.

We thank you for your business and look forward to working with you in the year ahead. If you have any questions concerning this policy or we can be of further assistance, please do not hesitate to contact our office.

Sincerely,

Bain Agency Inc.

Steve Bain
Account Executive

Judy Ness
Account Manager

jn

Enclosure – Summary of Insurance

Summary of Insurance

We are pleased to offer you a renewal summary of the coverage provided. Please refer to your insurance policy for specific details of coverage.

Liability

Personal Injury & Property Damage	$1,000,000
Medical Payments	$ 2,500
Goverance Liabiity	$1,000,000

Premium & Financial Rating

The company providing coverage is a self-insurance pool for government entities in ND and does not have an AM Best Rating.

North Dakota Insurance Reserve Fund

The annual premium is **$1,856.00** and is payable to Bain Agency Insurance..

Disclaimer

Please review the summary and refer to the policy for specific details of coverage. If you should have any questions or wish to make any changes, please contact our office. This summary is only a very general reference to what coverage the actual insurance policy provides and is not intended to describe all details in the policy of insurance and is subject to all terms, provisions, conditions and exclusions as contained therein. You should not rely upon this general summary, but review the actual policy for complete description and details regarding coverage.

Bain agency

SIGN HERE

COMMERCIAL LINES CHECKLIST

Insured: Burleigh County Water Resource District

Policy Effective Date: 7-1-15/16

Please review, sign, date and return to our office.

	Coverage Provided		Recommendation
	Yes	No	
Property			
Real Property – Building	___	___	_____
Business Personal Property	___	___	_____
Business Income	___	___	_____
Equipment Breakdown	___	___	_____
Debris Removal	___	___	_____
Ordinance or Law	___	___	_____
Signs	___	___	_____
Water Backup	___	___	_____
Off-Premises Utility Interruption – Including overhead lines	___	___	_____
Inland Marine			
Computer Equipment	___	___	_____
Transportation/Cargo	___	___	_____
Schedule Equipment	___	___	_____
Builders Risk/ Installation	___	___	_____
Leased/Rented Equipment	___	___	_____
Commercial General Liability			
Premises	X	___	_____
Products/Completed Operations	X	___	_____
Other General Liability Options	X	___	_____
Garage/Dealers Liability	___	___	_____
Umbrella/Excess Liability	___	___	_____
Employment Practices Liability	___	___	_____
Pollution Liability	___	___	_____
Professional Liability – Governance	X	___	_____
Cyber Liability	___	___	_____
Directors and Officers Liability	___	___	_____
Automobile			
Liability	___	___	_____
Hired and Non-Owned Liability	___	___	_____
Physical Damage	___	___	_____
Hired Auto Physical Damage	___	___	_____
Drive Other Car	___	___	_____
Fidelity/Crime			
Employee Dishonesty	___	___	_____
Money and Securities	___	___	_____
ERISA	___	___	_____
Additional Coverage			
Flood	___	___	_____
Surety Bonds	___	___	_____
Life Insurance	___	___	_____

This is a coverage summary, not a legal contract. Please refer to the actual policies for specific term, conditions, limitations and exclusions that will govern in the event of a loss.

_____ Client Signature

_____ Date

INVOICE

City of Bismarck
PO Box 5503
Bismarck, ND 58506
(701) 355-1615

DATE: 06/18/2015
DUE DATE: 07/18/2015
CUSTOMER NO: 2609
INVOICE NO: FINA-2015-00000091
DEPARTMENT: 145 Finance

Billing Inquiries:
Finance Department
(701)355-1615

BURLEIGH COUNTY WATER RESOURCE DISTRICT%M LIVDAHL
1811 E THAYER AVE
BISMARCK, ND 58501-0000

Description		Quantity	Unit Price	Total Price
Rent-City/County Bldg	June Building Rent	1	$95.3300	$95.33

Invoice Total: $95.33
Prepaid Amount: -$0.00

Balance Due: $95.33

tear here

Customer #	BILLING DATE	DUE DATE	INVOICE #	Total Due
2609	06/18/2015	07/18/2015	FINA-2015-00000091	$95.33

Pay this Amount $95.33

BURLEIGH COUNTY WATER RESOURCE DISTRICT%M
LIVDAHL
1811 E THAYER AVE
BISMARCK, ND 58501-0000

Payment to:
City of Bismarck
PO Box 5503
Bismarck, ND 58506-5503

TO ENSURE PROPER POSTING TO YOUR ACCOUNT, DETACH AND RETURN THIS PORTION WITH YOUR PAYMENT.

COMMERCIAL BUILDING AND PERSONAL PROPERTY SCHEDULED INSURANCE COVERAGE DECLARATION A

STATE FIRE AND TORNADO FUND

SFN 59126 (5-2015)

RENEWAL

Policy Number: 1914

Insured: Burleigh County Water Resource			
Mailing Address: 1811 E Thayer	Contact Person: Mona Livdahl		
City: Bismarck	State: ND	ZIP Code: 58501-	Telephone Number: 701.222.3499

The Schedule of Property containing a description of each location and the specific limit that applies to each type of property at each location is attached and a part of the Declarations. The deductible listed is per occurrence.

Policy Period: From 07/01/2015 To 06/30/2016				Premium Due or Credit Balance: $710.29
Property Deductible: $1,000.00	Equipment Breakdown Deductible:	Coinsurance: 90%	Type of Coverage: [X] Special Form	[ ] Equipment Breakdown

Mortgagee/Loss Payee:

FORMS APPLICABLE TO THIS POLICY:

IL 00 17 11 98,	FT PC 07 01 14,	FT CP 07 01 15,	FT SF 07 01 15,	FT OL 07 01 12,	FT EE 07 01 14,
CP 01 14 10 99,	IL 02 34 09 07	IL 01 65 09 07,	IL 00 03 09 07,	IL 09 13/H0 306	FT ALL 07 01 14
* Terrorism Risk Insurance Act (TRIA) Form		FT TE 07 01 12			

LIMITS OF LIABILITY - $225 million

Equipment Breakdown Coverage Endorsement: Form FT EB 07 01 13

Building Property (BP) - Refer to Schedule Of Property for limit per location
Business Personal Property (PP) - Refer to Schedule Of Property for limit per location
Outdoor Property (OP) - Refer to Schedule Of Property for limit per location
Trailer Property (TP) - Refer to Schedule Of Property for limit per location

Special Limits - See Policy:

Debris Removal Expense	$ 10,000	Form FT CP 07 01 15 - Pages 2 and 3 of 12
Electronic Data	$ 2,500	Form FT CP 07 01 15 - Page 4 of 12
Pollutant Cleanup and Removal	$ 20,000	Form FT CP 07 01 15 - Page 4 of 12
Personal Property of Others	$ 5,000	Form FT CP 07 01 15 - Page 5 of 12
Personal Property of Students	$ 500	Form FT CP 07 01 15 - Page 5 of 12
Valuable Papers and Records	$ 25,000	Form FT CP 07 01 15 - Page 5 of 12
Sewer Backup	$ 10,000	Form FT SF 07 01 15 - Page 2 of 9
Money	$ 5,000	Form FT CP 07 01 15 - Page 4 of 12
Ordinance or Law - Demolition	$250,000	Form FT OL 07 01 12 - Page 1 of 2
Ordinance or Law - Increased Cost of Construction	$250,000	Form FT OL 07 01 12 - Page 1 of 2
Additional Ordinance or Law - Demolition	$500,000	($250,000 limit included)
Additional Ordinance and Law-Increased Cost of Construction	$500,000	($250,000 limit included)
Extra Expense	$250,000	Form FT EE 07 01 14 - Page 1 thru 4
Additional Extra Expense	$500,000	($250,000 limit included)

IN RETURN FOR THE PAYMENT OF THE PREMIUM, AND SUBJECT TO ALL THE TERMS OF THIS POLICY, WE AGREE WITH YOU TO PROVIDE THE INSURANCE STATED IN THIS POLICY.

SIGNATURE: [signature] DATE: 7/1/2015

North Dakota Insurance Department
600 E. Boulevard Ave.
Bismarck, ND 58505-0320

Information: 701-328-9600
Fax: 701-328-9610
email: ndfire&tornado@nd.gov

PREMIUM NOTICE

North Dakota Insurance Department
600 E. Boulevard Ave.
Bismarck, ND 58505-0320

Policy No	Policy Period	Premium
1914	07/01/2015 - 06/30/2016	$710.29

Burleigh County Water Resource
1811 E Thayer
Bismarck ND 58501-

Please indicate by checking the box beside the following

[ ] 1) The insurance limit for each property listed on the Schedule of Property has been reviewed and is correct.
[ ] 2) A personal property inventory has been completed for each location.

Signature:	Date:

Previous Balance:	$0.00
Property Insurance Premium:	$710.29
Equipment Breakdown Premium:	$0.00
Fire Marshall Inspection Fee:	
Balance Due:	$710.29

Your cancelled check is your receipt
RETURN THIS NOTICE WITH YOUR CHECK

SCHEDULE OF PROPERTY

Coinsurance = 90%

Deductible = $1,000.00

Policy: 1914

Policyholder: Burleigh County Water Resource

Property No.	Property Name and Location	Date Appraised	Policyholder's Property No.	Insurance Limit	Property Type	Coverage Type	Premium
1	3-Shelters with Wood Walls 1951 93rd St NE *For price each divide limit by 3	07/01/2015	McDowell	$66,271	BP	RC	$55.59
2	Restroom 1951 93rd St NE	07/01/2015	McDowell	$126,879	BP	RC	$106.43
3	Bathhouse 1951 93rd St NE	07/01/2015	McDowell	$48,910	BP	RC	$41.03
4	Maintenance/Office 1951 93rd St NE	07/01/2015	McDowell	$102,801	BP	RC	$86.23
5	Caretaker's Dwelling 1951 93rd St NE	07/01/2015	McDowell	$236,420	BP	RC	$198.31
6	Submersible Lift Station 1951 93rd St NE	07/01/2015	McDowell	$12,131	OP	RC	$10.17
10	Storage Building 1951 93rd St NE	07/01/2015	McDowell	$29,053	BP	RC	$24.37
11	Caretaker's Garage with Carport 1951 93rd St NE	07/01/2015	McDowell	$26,330	BP	RC	$22.09
15	Concession Building 1951 93rd St NE	07/01/2015	McDowell	$10,693	BP	RC	$8.98
16	Picnic Shelter 1951 93rd St NE	07/01/2015	McDowell	$22,005	BP	RC	$18.46
17	Storage Building 1951 93rd St NE	07/01/2015	McDowell	$25,022	BP	RC	$20.99
18	Playground Equipment 1951 93rd St NE	07/01/2015	McDowell	$54,684	OP	RC	$45.87
19	Storage Building 1965 93rd St NE	07/01/2015	McDowell	$50,192	BP	RC	$42.10
20	Aero Picnic Shelter 1951 93rd St NE	07/01/2015	McDowell	$26,475	BP	RC	$22.20

Property insured at replacement cost (RC) is covered pursuant to the terms of this policy. The insurance limit for scheduled property may be more or less than the actual replacement cost. It is the responsibility of the insured to review the adequancy of the insurance limits on scheduled property. The Fund does not warrant or represent that the insurance limit is adequate to replace the scheduled property.

SCHEDULE OF PROPERTY

Coinsurance = 90%

Deductible = $1,000.00

Policy: 1914

Policyholder: Burleigh County Water Resource

Property No.	Property Name and Location	Date Appraised	Policyholder's Property No.	Insurance Limit	Property Type	Coverage Type	Premium
21	Aero Storage Building 1951 93rd St NE	07/01/2015	McDowell	$8,912	BP	RC	$7.47
			Building Property:	$779,963			$654.25
			Outdoor Property:	$66,815			$56.04
			Total:	$846,778			$710.29

Property insured at replacement cost (RC) is covered pursuant to the terms of this policy. The insurance limit for scheduled property may be more or less than the actual replacement cost. It is the responsibility of the insured to review the adequacy of the insurance limits on scheduled property. The Fund does not warrant or represent that the insurance limit is adequate to replace the scheduled property.

Bliss Law Firm, LLC
PO Box 4126
Bismarck, ND 58502

Invoice submitted to:

Burleigh County Water Resource District
1811 E. Thayer Avenue
Bismarck, ND 58501

June 29, 2015

Invoice #18376

Professional Services

		Hrs/Rate	Amount
6/1/2015	Telephone call from Kathleen Jones with regard to Parks and Rec's McDowell Dam matters. (#904)	0.20 231.00/hr	46.20
6/3/2015	Telephone call and e-mails to/from Mike Gunsch with Houston Engineering with regard to records archiving at the Capital City/County room and methods for dispersal. (#312)	0.30 231.00/hr	69.30
	Telephone calls/from Clark Coleman with regard to Burnt Creek pumping; follow-up telephone call to Mike Gunsch with regard to the same; return calls to Mr. Coleman. (#940).	0.70 231.00/hr	161.70
	Receipt and review of Fox Island e-mails from Mike Gunsch, reply to the same. (#937)	0.20 231.00/hr	46.20
6/8/2015	Telephone call from County Commissioner Kathleen Jones with regard to Parks & Recreation/McDowell matter; follow-up telephone call to Mona with regard to the same; follow-up e-mail to Kathleen Jones with regard to the same. (#904)	0.30 231.00/hr	69.30
6/9/2015	Legal research with regard to public lands and trespassing matters. (#937)	1.00 231.00/hr	231.00
6/10/2015	Telephone call from Chairman Terry Fleck with regard to Hoge Island State Water Commission meeting. (#937)	0.30 231.00/hr	69.30
6/11/2015	Attend City/County Building clean-out with Mike Gunsch and Mona. (#312)	1.50 231.00/hr	346.50

		Hrs/Rate	Amount
6/11/2015	Telephone call from Mike Gunsch with regard to Hoge Island potential sale and available alternate options, State Water Commission response. (#937)	0.30 231.00/hr	69.30
	Receipt and review of aerial exhibits, descriptions of Hoge Island Board properties with Mike Gunsch. (# 937)	0.30 231.00/hr	69.30
6/15/2015	Receipt and review of e-mail from Board Member Rick Detweiler with regard to Hoge Island matters; reply to the same. (#637)	0.20 231.00/hr	46.20
6/16/2015	Telephone call, e-mail to Board Chairman Terry Fleck with regard to upcoming Hoge Island/State Water Commission meeting, discussion of the same. (#937)	0.40 231.00/hr	92.40
	Follow-up telephone call to Mike Gunsch with regard to Hoge Island trespass matters, status of current lots on Hoge Island. (#937)	0.50 231.00/hr	115.50
	Receipt and review of proposed Fox Island document/99 year easement, review proposed language, edit the same; follow-up e-mail to Mike Gunsch with regard to the same.	0.80 231.00/hr	184.80
6/17/2015	Receipt and review of 2016-2017 Bain Insurance policy; follow-up e-mail to Mona with regard to the same. (#312)	0.30 231.00/hr	69.30
	Telephone call from Mike Gunsch with regard to status of Hoge Island/State Water Commission meeting, Board land matters. (#937)	0.40 231.00/hr	92.40
	Telephone call from Chairman Terry Fleck with regard to State Water Commission meeting. (#937)	0.30 231.00/hr	69.30
6/26/2015	Receipt and review of MRCC DOT proposed data from Mike Gunsch. (#937)	0.30 231.00/hr	69.30
	For professional services rendered		$1,917.30
	Previous balance		$1,716.10
	Accounts receivable transactions		
6/9/2015	Payment - Thank You. No. 1252		($1,716.10)
	Total payments and adjustments		($1,716.10)
	Balance due		$1,917.30

Mona Livdahl

From: Weixel, Gordon G. [gweixel@nd.gov]
Sent: Tuesday, June 30, 2015 9:12 AM
To: Mona Livdahl
Subject: RE: Expense Forms Reminder

4/27/15: BCWRD special meeting	$45
5/4/15 Meeting with Katherine and PMS talk about budget	$45
5/19/15 BCWRD special about MRCC property	$45
5/22/15 Meeting with Mike Gunsch about budget	$45
5/26/15 BCWRD monthly meeting	$135
6/9/15 BCWRD monthly meeting	$135

(Mona: I also attended that day long Missouri River conference about creating a new Missouri water board. Not sure if that qualifies. If it does that's $135.... Not sure of the date.

Total is $450 or $585

From: Mona Livdahl [mailto:mona@midco.net]
Sent: Thursday, June 25, 2015 10:19 AM
To: Craig Odenbach; David Bliss ; Greg Larson; Kathleen Jones; Michael Gunsch; Mona; Reep, Dennis; Rick Detwiller; Terry Fleck; Weixel, Gordon G.
Subject: Expense Forms Reminder

Don't forget to fill out and return your expense forms for 2nd quarter 2015.

Thanks!

Mona Livdahl
BCWRD
1811 E. Thayer Avenue
Bismarck, ND 58501
(701) 222-3499
www.bcwrd.org

BURLEIGH COUNTY WATER RESOURCE DISTRICT

1811 E. Thayer Avenue, Bismarck, ND 58501

Claimants Name: Rick Detwiller — Position: Member

Claimants Address: 1900 Harbor Dr. Bismarck ND 58504 — Date Rendered: 7-02-15

Item	Date	Materials Provided or Services Rendered	Hours	Mileage	Misc	Per Diem	Total
	4/08/15	Monthly Meeting					$135
	5/27/15	Monthly Meeting					$135
	6/9/15	Monthly Meeting					$135
	6/11/15	Hogue Island--With K. Jones -- weed and grass inspection -- visited with landowners	2				$90
	6/16/15	Meeting with State Water Com. -- Todd Sando					$135
	6/25/15	Hogue Island Assoc. Meeting -- Jim & Dorothy K -- 3 hour meeting -- was asked to walk property -- raining -- will return	3				$135
	6/28/15	Hogue Island -- walked property -- reviewed lot that had been modified by landowner -- inspected shoreline and rip-rap	2				$90
	6/30/15	Sum of 3-4 hours phone calls with Lynn Mills, Clete B., Greg Wavra, Karen Hogue x 4, - during month	2				$90
			Total Hours	Total Miles	Total Misc		
			0	0	0		
			$ -	$ -			$ 945

I DO HEREBY CERTIFY THAT THE WITHIN BILL, CLAIM, ACCOUNT OR DEMAND IS JUST AND TRUE; THAT THE MONEY HEREIN CHARGED WAS ACTUALLY PAID FOR THE PURPOSE HEREIN STATED; THAT THE SERVICES HEREIN CHARGED WERE ACTUALLY RENDERED AND OF THE VALUE THEREIN CHARGED, AND THAT NO PART OF SUCH BILL, CLAIM, ACCOUNT, OR DEMAND HAS BEEN PAID, AND THAT THE GOODS HEREIN CHARGED WERE ACTUALLY DELIVERED AND WERE OF THE VALUE CHARGED.

I CERTIFY THAT THE ABOVE CLAIM IS CORRECT AND THAT THE GOODS WERE RECEIVED OR SERVICES PERFORMED.

Rick Detwiller 7-2-15

Sign Here

Board Member

BURLEIGH COUNTY WATER RESOURCE DISTRICT

City-County Building

221 N 5th Street, Bismarck, ND 58501

Claimants Name: Terry A. Fleck

Position: Chairman

Claimants Address:

Date Rendered:

Item	Date	Materials Provided or Services Rendered	Hours	Mileage	Misc	Per Diem	Total
	4/2	Missouri River Leadership					135.00
	4/6	Burnt Creek & Houston					135.00
	4/8	BCWRD Meeting					135.00
	4/17	Houston Burnt Creek Contract	13 @ 135.00				135.00
	4/27	BCWRD Conference Call					135.00
	5/7	Hogue Island & State Water Commission					135.00
	5/14	Geomorphology Study & State Water Commission					135.00
	5/15	BCWRD Agenda					135.00
	5/26	BCWRD Meeting					135.00
	5/29	BCWRD Emy Agenda					135.00
	6/4	Missouri River Conference					135.00
	6/9	B CWRD Meeting					135.00
	6/16	State Water Commission Hogue Island					135.00
							1755.00
		Calls: 10 @ 45.00					450.00
			Total Hours	Total Miles	Total Misc		
			0	0	0		
			$ -	$ -			$ 2205.00

I DO HEREBY CERTIFY THAT THE WITHIN BILL, CLAIM, ACCOUNT OR DEMAND IS JUST AND TRUE; THAT THE MONEY HEREIN CHARGED WAS ACTUALLY PAID FOR THE PURPOSE HEREIN STATED; THAT THE SERVICES HEREIN CHARGED WERE ACTUALLY RENDERED AND OF THE VALUE THEREIN CHARGED, AND THAT NO PART OF SUCH BILL, CLAIM, ACCOUNT, OR DEMAND HAS BEEN PAID, AND THAT THE GOODS HEREIN CHARGED WERE ACTUALLY DELIVERED AND WERE OF THE VALUE CHARGED.

I CERTIFY THAT THE ABOVE CLAIM IS CORRECT AND THAT THE GOODS WERE RECEIVED OR SERVICES PERFORMED.

Terry A. Fleck / Chairman

Board Member

Terry A. Fleck

Sign Here

Firm or Company

BURLEIGH COUNTY WATER RESOURCE DISTRICT

City-County Building

221 N 5th Street, Bismarck, ND 58501

Claimants Name: GREG LARSON Position: MANAGER

Claimants Address: 2525 LARSON RD. Date Rendered: 6/25/15

BISMARCK

Item	Date	Materials Provided or Services Rendered	Hours	Mileage	Misc	Per Diem	Total
	4/7	CORP. OF ENGINEERS MTG					0
	4/8	BOARD MTG					
	4/27	MTG @ HILTON ENG					
	5/19	MR OE HEARING					
	5/26	BOARD MTG					
	6/9	BOARD MTG					
			Total Hours	Total Miles	Total Misc		
			0	0	0		
			$ -	$ -			$ 210.

I DO HEREBY CERTIFY THAT THE WITHIN BILL, CLAIM, ACCOUNT OR DEMAND IS JUST AND TRUE; THAT THE MONEY HEREIN CHARGED WAS ACTUALLY PAID FOR THE PURPOSE HEREIN STATED; THAT THE SERVICES HEREIN CHARGED WERE ACTUALLY RENDERED AND OF THE VALUE THEREIN CHARGED, AND THAT NO PART OF SUCH BILL, CLAIM, ACCOUNT, OR DEMAND HAS BEEN PAID, AND THAT THE GOODS HEREIN CHARGED WERE ACTUALLY DELIVERED AND WERE OF THE VALUE CHARGED.

I CERTIFY THAT THE ABOVE CLAIM IS CORRECT AND THAT THE GOODS WERE RECEIVED OR SERVICES PERFORMED.

Greg Larson Mgr.

Sign Here Title

Board Member

Firm or Company

BURLEIGH COUNTY WATER RESOURCE DISTRICT

1811 E. Thayer Avenue, Bismarck, ND 58501

Claimants Name: Dennis W. Reep Position: Member

Claimants Address: 2213 East Ave F, Bismarck, ND 58501 Date Rendered: 30-Jun-15

Item	Date	Materials Provided or Services Rendered	Hours	Mileage	Misc	Per Diem	Total
1	4/8/2015	Burleigh Co WRD Meeting	3				0
2	4/20/2015	Burleigh Co Commission Meeting - Update	2				
3	4/25/2015	Haugen Drainage Complaint	1	14			
4	4/27/2015	Special Burleigh Co WRD Meeting	1.5				
5	4/28/2015	Drain Tile - Phone Call/Email to Jeff Heilman	0.5				
6	4/29/2015	Ward-Ash Coulee and Burnt Creek Meetings	3	8			
7	4/30/2015	Burnt Creek Construction Site Visit	1	14			
8	5/5/2015	Burnt Creek - Ward Property	1	16			
9	5/8/2015	ND WRD Board Meeting/Teleconf	0.5				
10	5/19/2015	MRCC Public Hearing and Prep	3				
11	5/20/2015	Burnt Creek meeting	1				
12	5/21/2015	Drainage Complaints - Snyder, Murphy	0.5				
13	5/22/2015	Drainage Complaint - Hamilton Drive	0.25				
14	5/24/2015	Drainage Complaint - Hamilton Drive	0.25	6			
15	5/26/2015	Burleigh Co WRD Meeting	3				
16	6/4/2015	Ward-Ash Coulee and Burnt Creek Meetings	1.5				
17	6/5/2015	Drainage Complaint letters - Haugen, HWY14	1.5				
18	6/9/2015	Burleigh Co WRD Meeting	3				
19							
20							
			Total Hours	Total Miles	Total Misc	Total Per Diem	
			27.5	58	0	0	
			$ 1,237.50	$ 32.48	$ -	$ -	$ 1,269.98

I DO HEREBY CERTIFY THAT THE WITHIN BILL, CLAIM, ACCOUNT OR DEMAND IS JUST AND TRUE; THAT THE MONEY HEREIN CHARGED WAS ACTUALLY PAID FOR THE PURPOSE HEREIN STATED; THAT THE SERVICES HEREIN CHARGED WERE ACTUALLY RENDERED AND OF THE VALUE THEREIN CHARGED, AND THAT NO PART OF SUCH BILL, CLAIM, ACCOUNT, OR DEMAND HAS BEEN PAID, AND THAT THE GOODS HEREIN CHARGED WERE ACTUALLY DELIVERED AND WERE OF THE VALUE CHARGED.

I CERTIFY THAT THE ABOVE CLAIM IS CORRECT AND THAT THE GOODS WERE RECEIVED OR SERVICES PERFORMED.

Dennis W. Reep
Board Member

Sign Here Member
Title

Firm or Company

Bliss Law Firm, LLC
PO Box 4126
Bismarck, ND 58502

Invoice submitted to:

Burleigh County Water Resource District
1811 E. Thayer Avenue
Bismarck, ND 58501

July 08, 2015

Invoice #18448

Professional Services

		Hrs/Rate	Amount
6/9/2015	Prepare for monthly Board meeting; attend Board meeting (#312)		1,000.00
	For professional services rendered		$1,000.00
	Previous balance		$1,917.30
	Balance due		$2,917.30