

Southport concluded to undertake similar efforts, some level of protection could be coordinated between these areas.

OPTION #3

The third option is to develop only easements along the perimeter of Fox Island. Again, this plan could be coordinated with the Whispering Bay and Southport Island area if those areas demonstrated interest. The easements would be available to facilitate the more rapid installation of protective measures. This plan as well as the others above would also incorporate locking culverts and optimal drainage efforts as previously discussed by the District.

Advantages and concerns of this plan are similar to Option #2. An additional concern would be the active nature of the protection offered. The passive nature of dike would offer more security in a rapid moving emergency such as an ice jam. The timing of an ice jam would likely not allow installation of protective measures.

We appreciate the Water Resource Board's considering these plans and would appreciate meeting with Houston Engineering and the County Engineer to discuss these options in more detail and to develop next steps for protecting our residences. The members of the steering committee are listed below.

Sincerely

Mike Eggl
Evan Mandigo
Dan Privratsky
Brian Bjella
Tracy Doe
Robert Tanous
Everitt Heringer
Jim Volk
Don Wright
Duwayne Ternes
Bob Upgren

cc: Dr. John Warford, Mayor of Bismarck
Mr. Brian Bitner, Burleigh County Commission Chair
Mr. Todd Sando, State Engineer P.E., State Water Commission

Fox Island Residents - Opt Out Petition

July 31, 2012

YOUR COPY

Notice to Burleigh Water Resource Board and Houston Engineering:

WE, the undersigned residents of Fox Island who have lots in segment E and segment D where the proposed levee is to be built, wish to notify the Burleigh Water Resource Board and Houston Engineering, that as land owners along the Missouri River and the Fox Island Oxbow, we are against the proposed permanent dike project for flood protection on our lots. We do not feel that all the alternatives were adequately studied and we believe we were not given adequate representation on the Fox Island Flood Mitigation Steering Committee. We do believe that flood protection for Fox Island is important but since the process that you have undertaken and the decisions you have made were without our input **WE WILL NOT BE GRANTING EASEMENTS FOR THIS PROJECT.** If efforts toward a permanent dike project continues and some members of Fox Island feel the dike proposal needs to proceed, and the vote results would end in favor of the permanent dike, it will require legal intervention to gain access to our property.

Name	Address	Phone No.
<u>John T. Milton</u>	<u>3426 Callatin Loop</u>	<u>358-6745</u>
<u>Kenn T. Pearson</u>	<u>3417 Callatin Dr</u>	<u>223-9720</u>
<u>Robert Milton</u>	<u>3333 Callatin Dr.</u>	<u>667-2164</u>
<u>John Milton</u>	<u>3357 Callatin Dr</u>	<u>222 4247</u>
<u>John Milton</u>	<u>3401 Callatin Dr</u>	<u>258-5866</u>
<u>JOHN STANLEY</u>	<u>3438 CALLATIN DR</u>	<u>202-8904</u>
<u>Greg Peterson</u>	<u>3432 Callatin Dr</u>	<u>223-3300</u>
<u>Mike Nichols</u>	<u>3325 Callatin Drive</u>	<u>220-7567</u>
<u>John Milton</u>	<u>3367 Callatin Dr</u>	<u>315-8606</u>
<u>Robt. Milton</u>	<u>1665 Farwest Dr</u>	<u>400 9263</u>
<u>Jack Paris</u>	<u>1919 Farwest Dr</u>	<u>663-4592</u>
<u>Mich. Paris</u>	<u>3349 Callatin Dr</u>	<u>471-8493</u>

Fox Island Residents - Opt Out Petition

YOUR COPY

July 31, 2012

Notice to Burleigh Water Resource Board and Houston Engineering:

WE, the undersigned residents of Fox Island who have lots in segment E and segment D where the proposed levee is to be built, wish to notify the Burleigh Water Resource Board and Houston Engineering, that as land owners along the Missouri River and the Fox Island Oxbow, we are against the proposed permanent dike project for flood protection on our lots. We do not feel that all the alternatives were adequately studied and we believe we were not given adequate representation on the Fox Island Flood Mitigation Steering Committee. We do believe that flood protection for Fox Island is important but since the process that you have undertaken and the decisions you have made were without our input **WE WILL NOT BE GRANTING EASEMENTS FOR THIS PROJECT.** If efforts toward a permanent dike project continues and some members of Fox Island feel the dike proposal needs to proceed, and the vote results would end in favor of the permanent dike, it will require legal intervention to gain access to our property.

Name

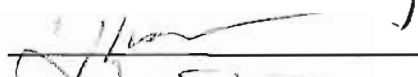
Address

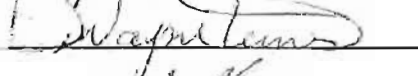
Phone No.



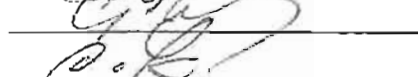
TOM DAVIS



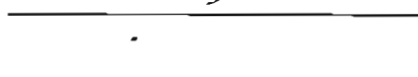


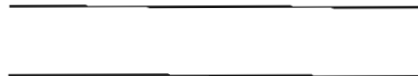














1837 Fur West Dr

1807 FAQUEST DR

3420 Gallatin Lp

3456 Gallatin Lp.

1405 Fur West Dr.

2520 LARSON RD.

3444 Gallatin Dr

1785 Fur West Dr

1705 Fur West Dr.







701-226-9785

701-226-6754

(701) 471-1644

224-9038

426-4021

258-7428

223-3834

255-4119

255-4119







Fox Island Residents - Opt Out Petition

YOUR COPY

July 31, 2012

Notice to Burleigh Water Resource Board and Houston Engineering:

WE, the undersigned residents of Fox Island who have lots in segment E and segment D where the proposed levee is to be built , wish to notify the Burleigh Water Resource Board and Houston Engineering, that as land owners along the Missouri River and the Fox Island Oxbow, we are against the proposed permanent dike project for flood protection on our lots. We do not feel that all the alternatives were adequately studied and we believe we were not given adequate representation on the Fox Island Flood Mitigation Steering Committee. We do believe that flood protection for Fox Island is Important but since the process that you have undertaken and the decisions you have made were without our input **WE WILL NOT BE GRANTING EASEMENTS FOR THIS PROJECT.** If efforts toward a permanent dike project continues and some members of Fox Island feel the dike proposal needs to proceed, and the vote results would end in favor of the permanent dike, it will require legal intervention to gain access to our property.

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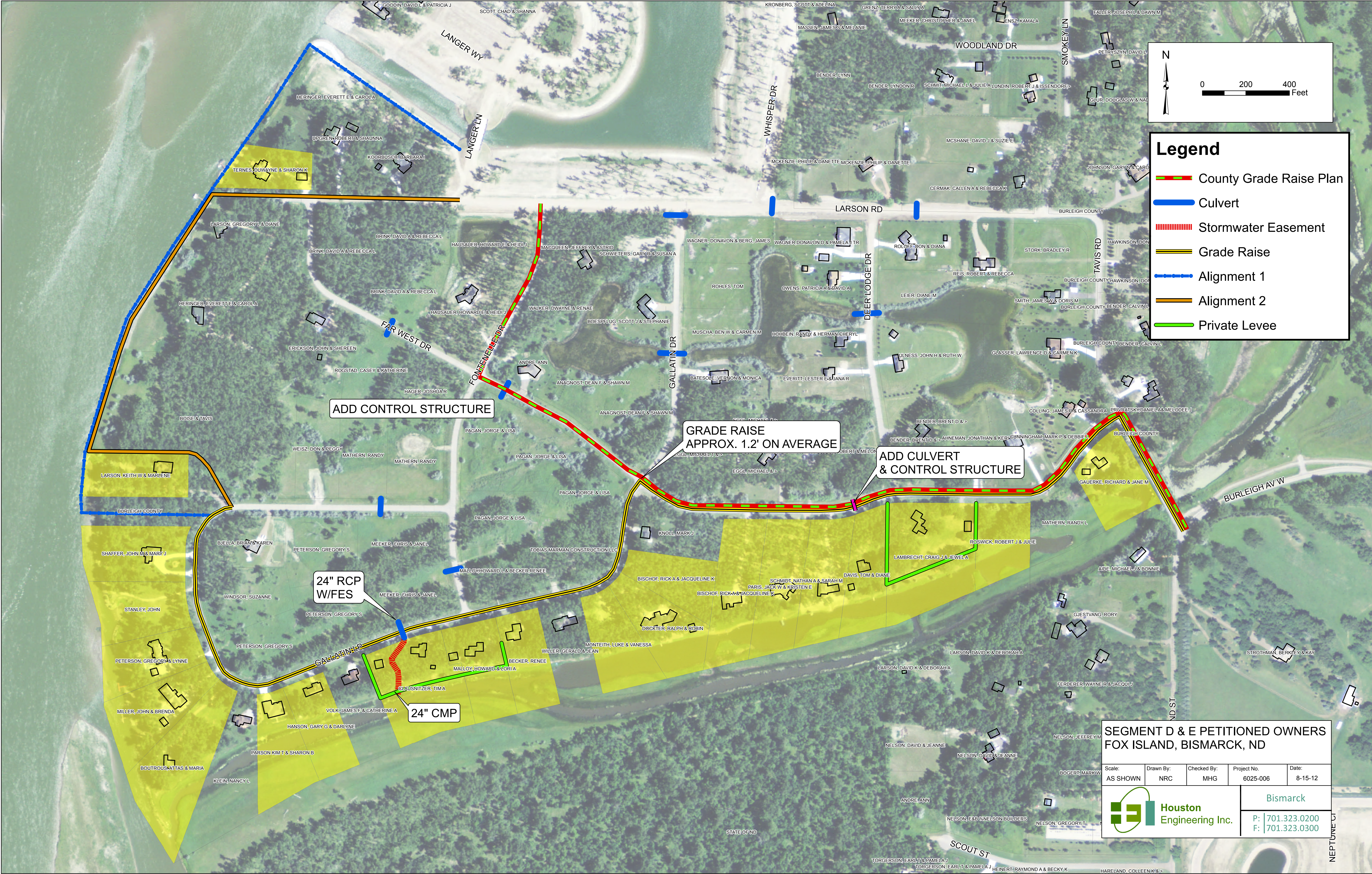
Address

Phone No.

Rich Ebdorf

3317 Gabition

4009263



#1

Harbor Drive Area - Opt Out Petition

We, the undersigned residents of Fox Island, petition the Burleigh County Water Resource Board to **NOT PLACE A PERMANENT DIKE** on the west side (river side) of the homes along West Harbor and Harbor Drives. Our reasons for wishing to avoid a permanent dike include:

- (1) Proven success in privately diking the riverbank during the unprecedented flood event of 2011 by over 80% of the riverside homes on Fox Island
- (2) Universal concern about the stability of the riverbank and the possibility of damage due to the weight of permanent dike materials on untested soils
- (3) A lack of assurance that a permanent dike would protect adjacent homes against the (much more likely) occurrence of an ice jam event, and in fact, may make the consequences of a large ice jam much worse for riverside homeowners than current naturally sloping back yards
- (4) A loss of view, river access, and trees, all of which are vital to the aesthetic appreciation and enjoyment of our homes
- (5) loss of the use of our back yards
- (6) Concern over the problems associated with dike runoff during common normal rain events
- (7) Permanent reduction in the market value of our homes

We believe a possible solution that may be satisfactory to interior home owners and to those living directly along the river would be to elevate Harbor and West Harbor Drives, allowing permanent access to Fox Island properties while providing a "dike" to homes to the east. Riverside homeowners with continual access to their properties would be able to prepare temporary emergency dikes in the unlikely occurrence of another significant flood the magnitude of the 2011 event.

	Name	Address	Phone No.
1.)	Tyler Leser	2250 Harbor Dr.	406-539-2200
2.)	Marlyn Bromogoff	2260 Harbor Dr	701-355-0960
3.)	Valerie Kintan	2120 W Harbor Dr	701-951-2314
4.)	Mike Goff	2130 W Harbor Dr	701-220-5743
5.)	Scott Stalock	2022 W Harbor Dr	701-471-0074
	Colleen Stalock	2022 W. Harbor Dr	701-471-0072
6.)	Shannon McQuade-Aly	1928 W. Harbor Dr	701-471-9440
7.)	Rick DETWILLER	1900 HARBOR DR	701-223-8782
8.)	Lynn D Stromberg	1918 HARBOR DR	701-258-4130

#2

Harbor Drive Area - Opt Out Petition

We, the undersigned residents of Fox Island, petition the Burleigh County Water Resource Board to **NOT PLACE A PERMANENT DIKE** on the west side (river side) of the homes along West Harbor and Harbor Drives. Our reasons for wishing to avoid a permanent dike include:

- (1) Proven success in privately diking the riverbank during the unprecedented flood event of 2011 by over 80% of the riverside homes on Fox Island
- (2) Universal concern about the stability of the riverbank and the possibility of damage due to the weight of permanent dike materials on untested soils
- (3) A lack of assurance that a permanent dike would protect adjacent homes against the (much more likely) occurrence of an ice jam event, and in fact, may make the consequences of a large ice jam much worse for riverside homeowners than current naturally sloping back yards
- (4) A loss of view, river access, and trees, all of which are vital to the aesthetic appreciation and enjoyment of our homes
- (5) loss of the use of our back yards
- (6) Concern over the problems associated with dike runoff during common normal rain events
- (7) Permanent reduction in the market value of our homes

We believe a possible solution that may be satisfactory to interior home owners and to those living directly along the river would be to elevate Harbor and West Harbor Drives, allowing permanent access to Fox Island properties while providing a "dike" to homes to the east. Riverside homeowners with continual access to their properties would be able to prepare temporary emergency dikes in the unlikely occurrence of another significant flood the magnitude of the 2011 event.

	Name	Address	Phone No.
9.)	<i>Greg Helmer</i>	<i>2012 W. Harbor Dr., Bism.</i>	<i>258-7865</i>
10.)	<i>William Bush</i>	<i>West Harbor Dr.</i>	<i>471-008</i>
11.)	<i>Sheryl A. Lehto</i>	<i>2110 W. Harbor</i>	<i>471-6000</i>
12.)	<i>Robert D. Ballinger</i>	<i>2100 Harbor</i>	<i>220-0758</i>
STEVE SCHWAB 13	<i>[Signature]</i>	<i>2240 Harbor Dr.</i>	<i>220 9898</i>

Harbor Drive Area - Opt Out Petition

- (1) Proven success in privately diking the riverbank during the unprecedented flood event of 2011 by over 80% of the riverside homes on Fox Island
- (2) Universal concern about the stability of the riverbank and the possibility of damage due to the weight of permanent dike materials on untested soils
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- (4) A loss of view, river access, and trees, all of which are vital to the aesthetic appreciation and enjoyment of our homes
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- (7) Permanent reduction in the market value of our homes

[illegible]

July 24, 2012

Harbor Drive Area - Opt Out Petition

Notice to Burleigh Water Resource Board and Houston Engineering:

WE, the undersigned residents of Fox Island along West Harbor and Harbor Drive, wish to notify the Burleigh Water Resource Board and Houston Engineering, that as land owners along the Missouri River, we are against a proposed permanent dike project for flood protection. **WE WILL NOT BE GRANTING EASMENT FOR THIS PROJECT.** IF efforts toward a permanent dike project continues and some members of Riverwood West Association feel the dike proposal needs to proceed, and the association vote results would end in favor of the permanent dike, it will require legal intervention to gain access to our property.

Name	Address	Phone No.
Lin D. Strombeck	1918 HARBOR DR	701 258 4130
Steve Schwan	2240 Harbor Dr	701 220 9898
Jean Schwan	2240 Harbor Dr	701-223-1817
Lucy Detwiler	1900 Harbor Dr	701-223-8782
Colleen Staloch	2022 W. Harbor Dr	701-471-0072
Scott Staloch	2022 W Harbor Dr	701-471-0074
Arleen Burkholder	2100 W Harbor Dr	701-220-2159
Shannon McQuade-Ely	1928 W. Harbor Dr.	701-471-9440
Drill, G.K.	1929 W. Harbor Dr.	701-226-5394
Shirley Albers	2110 Harbor Dr	701-471-6000
Jeffrey	2250 Harbor Dr.	701-223-9249
Muh A.D.H.	2130 W Harbor Dr	701-224-9989
Ari Chellam	2012 W Harbor Dr	701-258-7865
Robert K. Kauter	2100 W Harbor Dr	701-220-0758
Valerie Kinkar	2120 W. Harbor Dr	701-751-2314
Margaret Bonoguz	2260 Harbor Dr	701-355-0960
Jeffrey Jonson	1825 Harbor Dr.	701-226-2 701-250-1226
Ruth L. Detwiler	1900 HARBOR DR	701-223-8782
Kerin Turnbow	1805 Harbor Dr	226-9300



Burleigh County Water Resource District

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

Harbor Drive - Response Letter

January 14, 2013

TO: Harbor Drive Flood Control Project Petitioners

FROM: Terry Fleck, Chairman
Burleigh County Water Resource District.

RE: Harbor Drive Flood Control Project Petition

Several residents of the Harbor Drive area recently submitted a petition to the Burleigh County Water Resource District (BCWRD) requesting development of a flood control project to protect residential structures north of Mills Avenue. You were among the residents who signed the petition.

As part of our initial consideration of your request, we have met with representatives of the Riverwood West Homeowners Association (RWHA), the Burleigh County Highway Department, as well as the City of Bismarck and their consultant for the Mills Avenue project, Apex Engineering Group. Based on these meetings, we have learned that the City of Bismarck intends to use federal funding to complete a grade raise on Mills Avenue to a point west of West Harbor Drive. Local costs will be borne by the City of Bismarck and any resulting assessment district they establish; no costs will be assessed to the rural residential properties north of Mills Avenue, which are located in the county. This grade raise will include a raise of approximately 150 feet onto West Harbor Drive for transitional purposes.

Given the work to be completed by the City of Bismarck, protection to a level of an 18 foot river stage could be provided by raising another 150 feet of West Harbor Drive. It would not be prudent for the Burleigh County Water Resource District to go through the statutorily mandated steps of establishing such a small project. To do so would only add significant cost to the residents. It makes more sense for the RWHA to work directly with a contractor to complete that work. Ideally, the RWHA could negotiate with the contractor ultimately selected by the City of Bismarck to complete the Mills Avenue Grade Raise. This would hopefully result in cost savings as the contractor would already be mobilized to the site. We understand that the City is willing to allow their contractor to complete such work.

The approach discussed above would be the most practical means of providing protection for the interior West Harbor Drive residents up to a level of 18 feet. If there is still a desire to provide protection up to a level of 20 feet, that would involve a much more extensive project which could be considered as a BCWRD sponsored project. However, we are aware that there are issues with the right of way easement for these privately owned roadways. Before the BCWRD would consider developing a project to provide protection to a 20 foot stage, the right of way issues would need to be resolved so that we do not expend a significant amount of



Burleigh County Water Resource District

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

public monies attempting to resolve these potentially complicated legal issues, only to end up with no project and no way to recoup those public funds.

In summary, the BCWRD will not develop a project to provide protection to a level of 18 feet. It is recommended that the RWHA work directly with a contractor to raise the required 150 feet of roadway. We would consider developing a project to provide protection to a level of 20 feet, but only if the issues surrounding the easements for the roadway are resolved first. We would also need a clear indication that there is wide spread support for such a project.

This is not an indication that we fail in any way to take your need for flood protection seriously. We fully support and commend your efforts to protect yourselves from the next flood event. It will simply be much more cost effective for you to proceed in a more direct manner than forming a new assessment district to simply raise 150 feet of roadway.

We would also like to take this opportunity to impress upon you the importance of purchasing flood insurance, whether or not your residence is technically located in the Special Flood Hazard Area as defined by FEMA. We are aware that FEMA has been directed within the recent reauthorization of the National Flood Insurance Program to be actuarially sound. Thus it is likely that flood insurance rates will soon rise. Purchasing that insurance now and maintaining that policy may reduce the degree to which you are impacted by the anticipated rate hikes.

If you have any questions, please direct them to Michael Gunsch, of Houston Engineer, at (701) 323-0200.

Sincerely,

/s/

Terry Fleck, Chairman
Burleigh County Water Resource District

C: Marcus Hall, Burleigh County Engineer
Michael Gunsch, HEI
David Tschider
Chad Wachter



Burleigh County Water Resource District

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

Directly Mailed To:

Steven & Sallie Storslee	2024 Harbor Drive
Shanda Traiser	2000 Harbor Drive
Tim & Deanna Reiten	2200 Harbor Drive
Melvin & Karen Mueller	2209 Harbor Drive
Nicholas & Lynn Mahr	2134 Harbor Drive
Andrew Steichen & Karin Willis	2210 Harbor Drive
Shane Freitag	2160 Harbor Drive
Steven & Becky Lingle	2231 Harbor Drive
Kurt & Bobbi Leier	2115 West Harbor Drive
Sean & Coleen Russell	2250 Traynor Lane
Lance & Laurie Boyer	2201 Harbor Drive



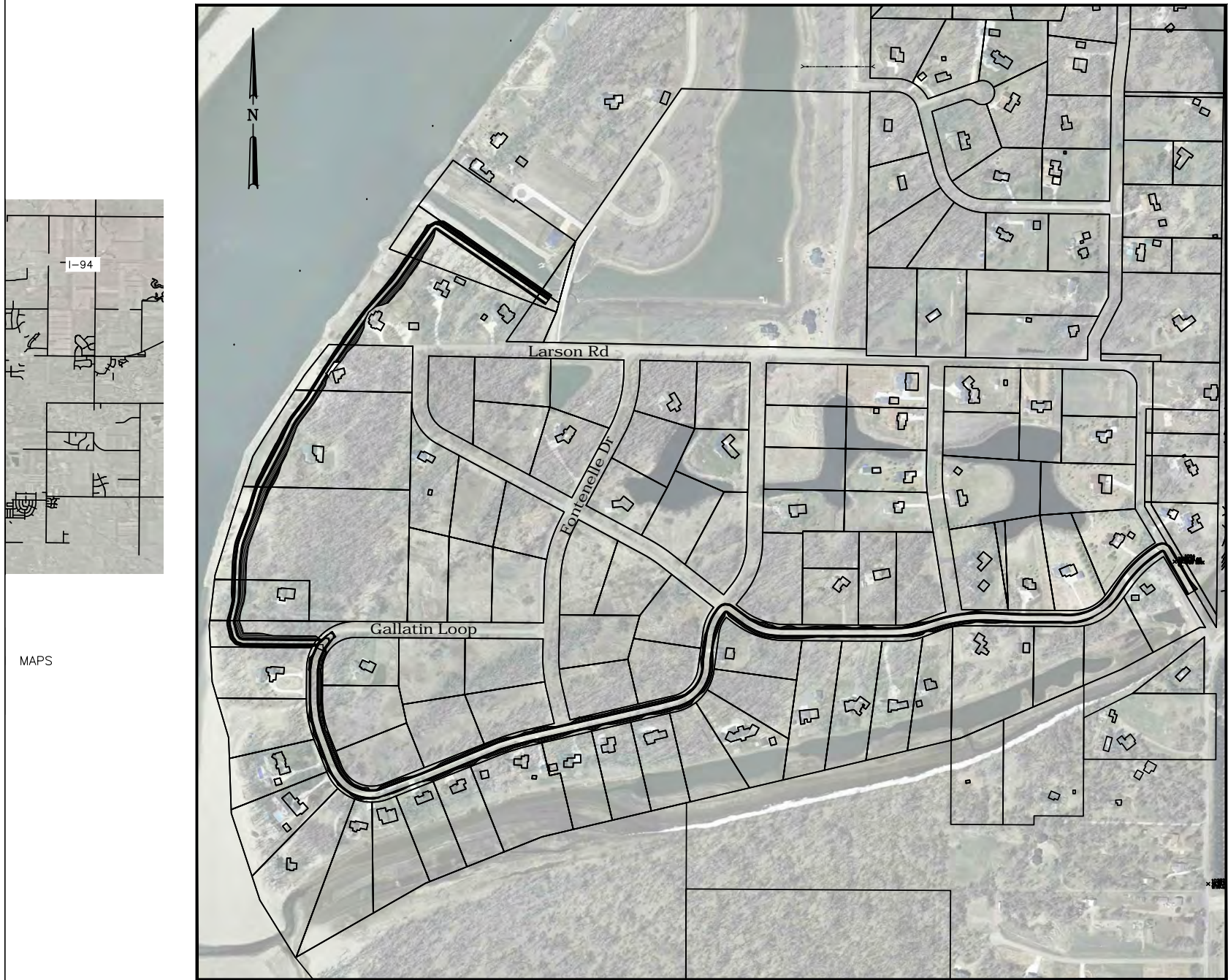
APPENDIX B

PREFERRED ALTERNATIVE PRELIMINARY PLAN SETS



ALTERNATIVE #5 - LEVEE FOX ISLAND FLOOD CONTROL PROJECT

BISMARCK, NORTH DAKOTA
AUGUST, 2016

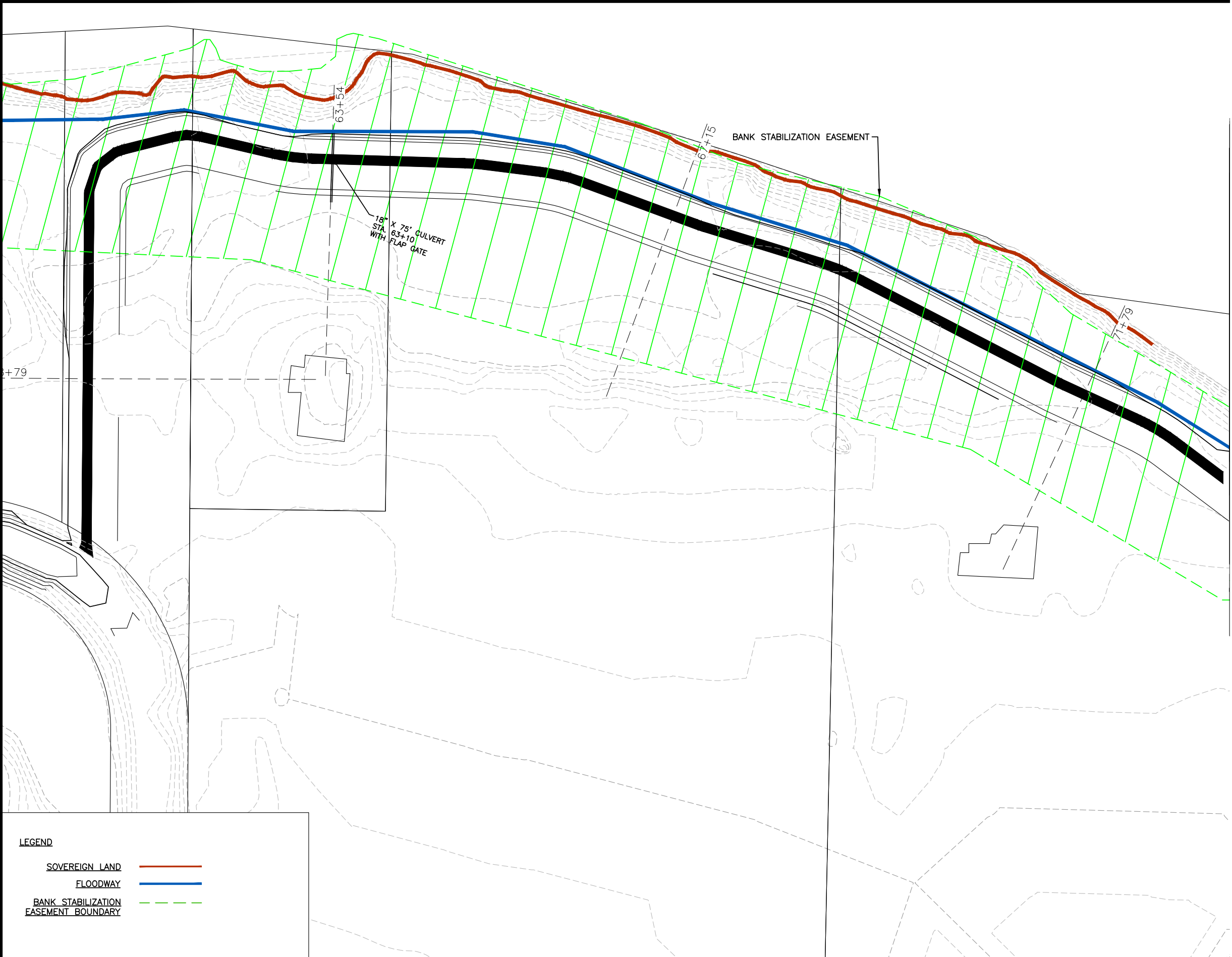


LOCATION MAP

RECORD DRAWING NOTES:

1. BENCHMARKS OR LOCATION COORDINATE POINTS ARE NOTED AS SHOWN, AND USE THE FOLLOWING DATUM AND COORDINATE SYSTEM: NAD83 NORTH DAKOTA STATE PLANE SOUTH INTERNATIONAL FOOT, GEOID 09, AND NAVD 88 VERTICAL DATUM.
2. LOCATION AND DIMENSIONS FOR COMPLETED REPAIRS ARE BASED ON AS CONSTRUCTED FIELD SURVEYS.
3. THE ACTUAL EXTENT OF WORK WAS DIRECTED BY COE FIELD PERSONNEL, AND ADJUSTED IN SOME LOCATIONS BASED ON SITE CONDITIONS ENCOUNTERED AT THE TIME WORK WAS COMPLETED.
4. SEVERAL REVETMENT STRUCTURES WERE NOT IN THE LOCATION DESIGNATED ON THE PLAN SET. SUBSEQUENTLY, THE WORK COMPLETED OCCURED ON THE ACTUAL STRUCTURE, AS IT PHYSICALLY EXISTS, WITH THE LOCATION NOTED ON THE RECORD DRAWING PLAN VIEW.

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LEGEND

- SOVEREIGN LAND
- FLOODWAY
- BANK STABILIZATION EASEMENT BOUNDARY

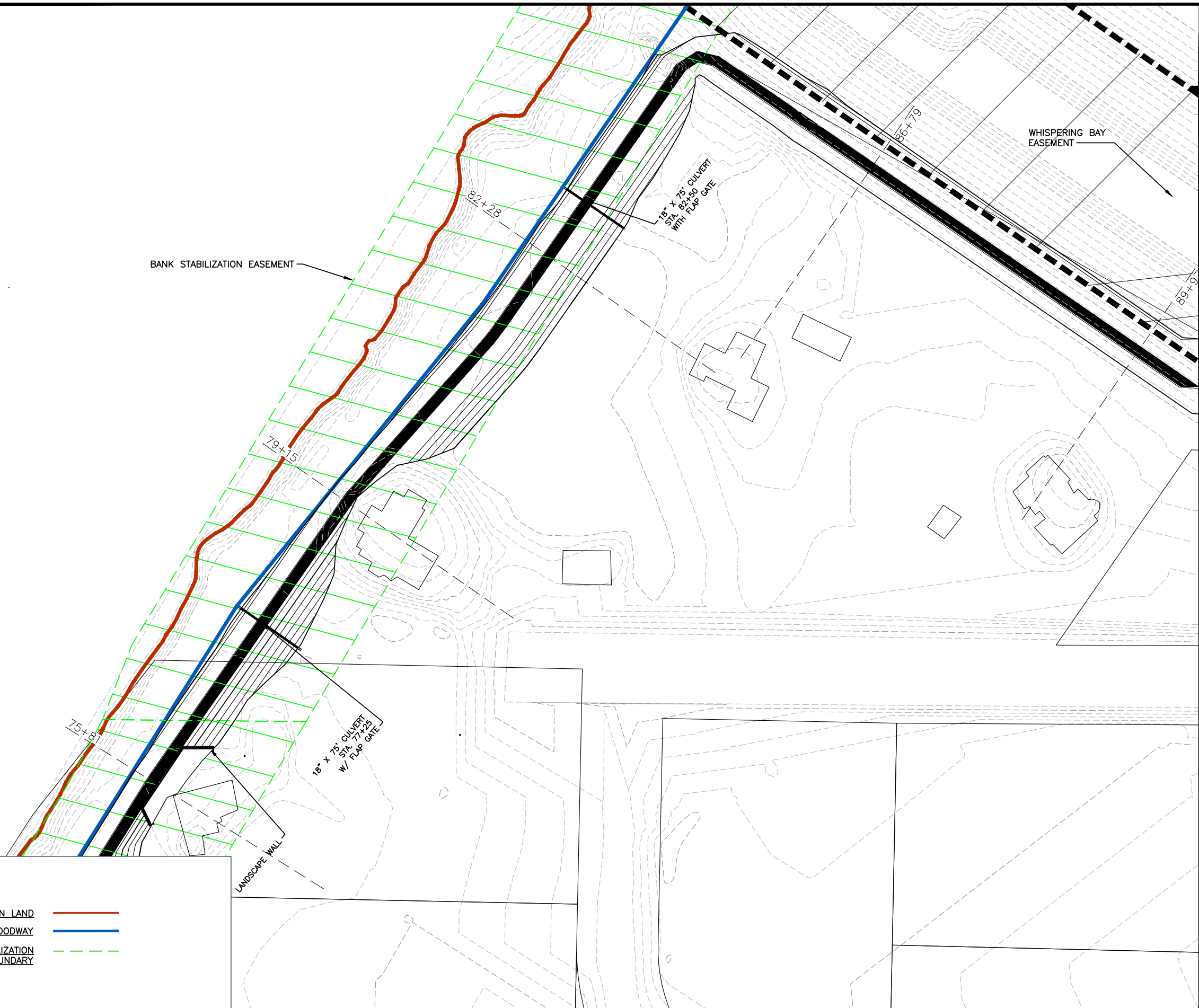
No.	Revision	Date	By



Bismarck	Drawn by ARV/NRC	Date 3-25-13
P: 701.323.0200 F: 701.323.0300	Checked by MHG	Scale AS SHOWN

FOX ISLAND FLOOD CONTROL PROJECT
SEGMENT D / ROAD RAISE
BISMARCK, ND

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LEGEND

- SOVEREIGN LAND
- FLOODWAY
- BANK STABILIZATION EASEMENT BOUNDARY

No.	Revision	Date	By



Bismarck

P: 701.323.0200
F: 701.323.0300

Drawn by
ARV/NRC

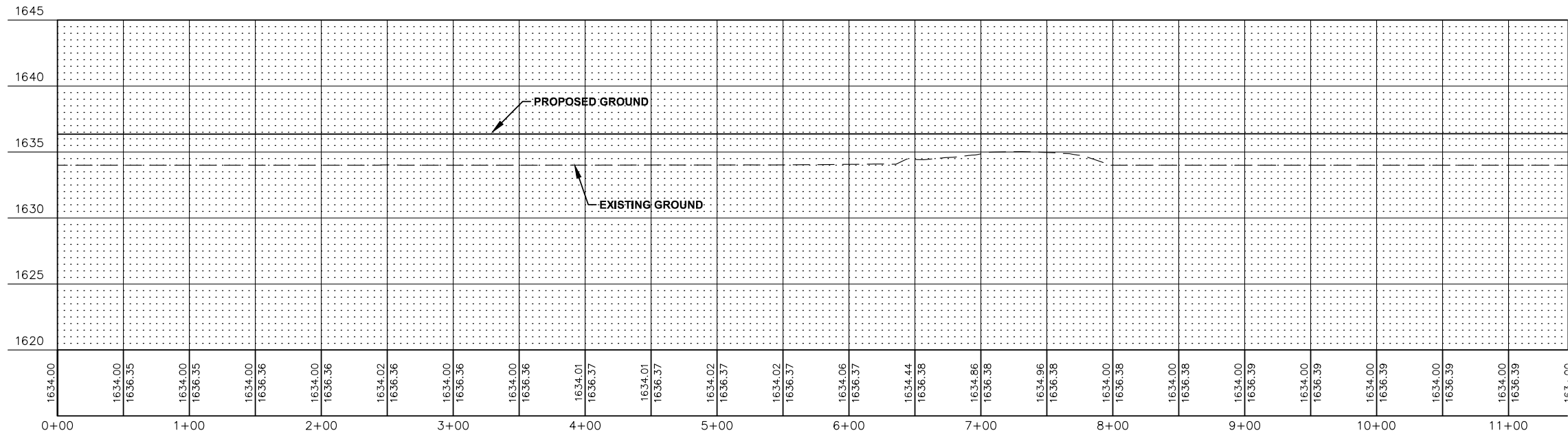
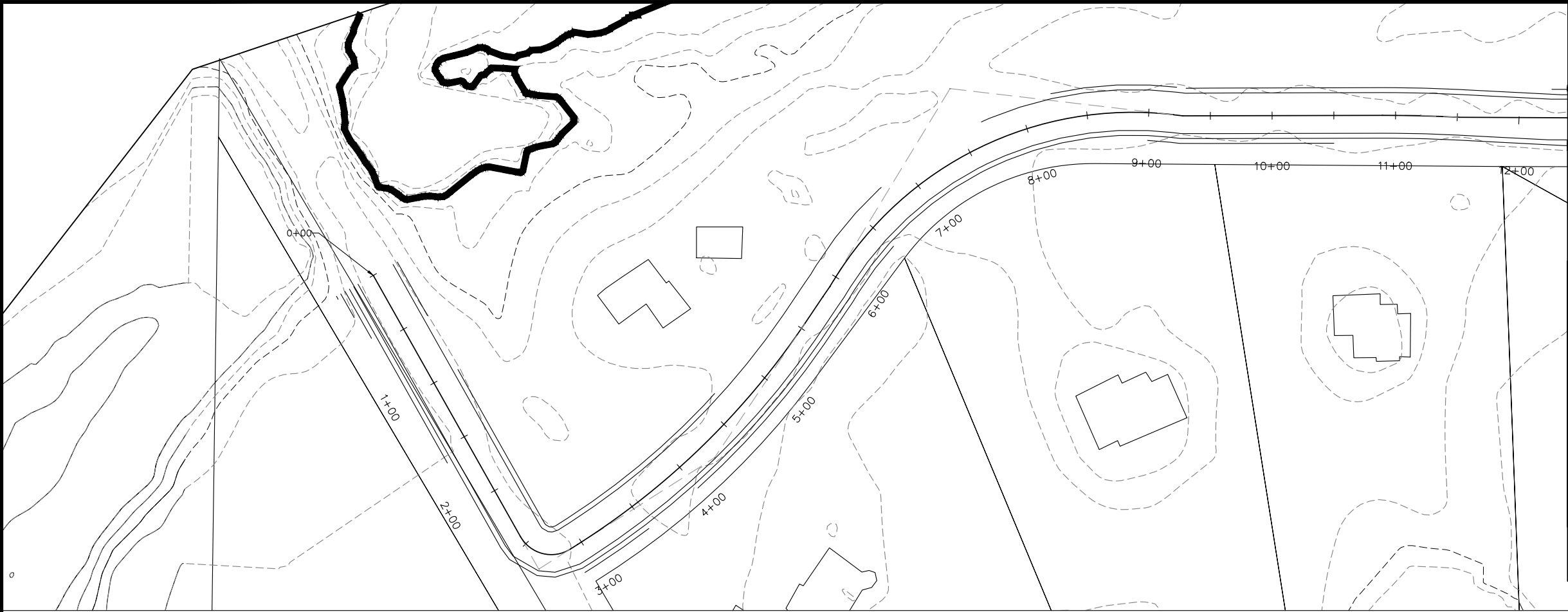
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MHG

Date
3-25-13

Scale
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FOX ISLAND FLOOD CONTROL PROJECT
SEGMENT D / ROAD RAISE
BISMARCK, ND

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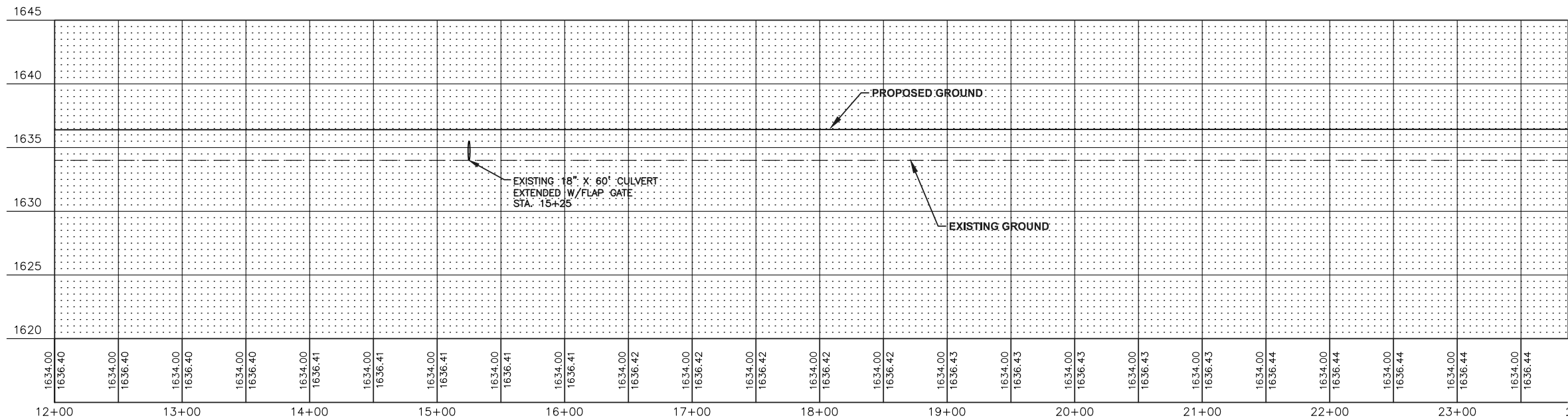
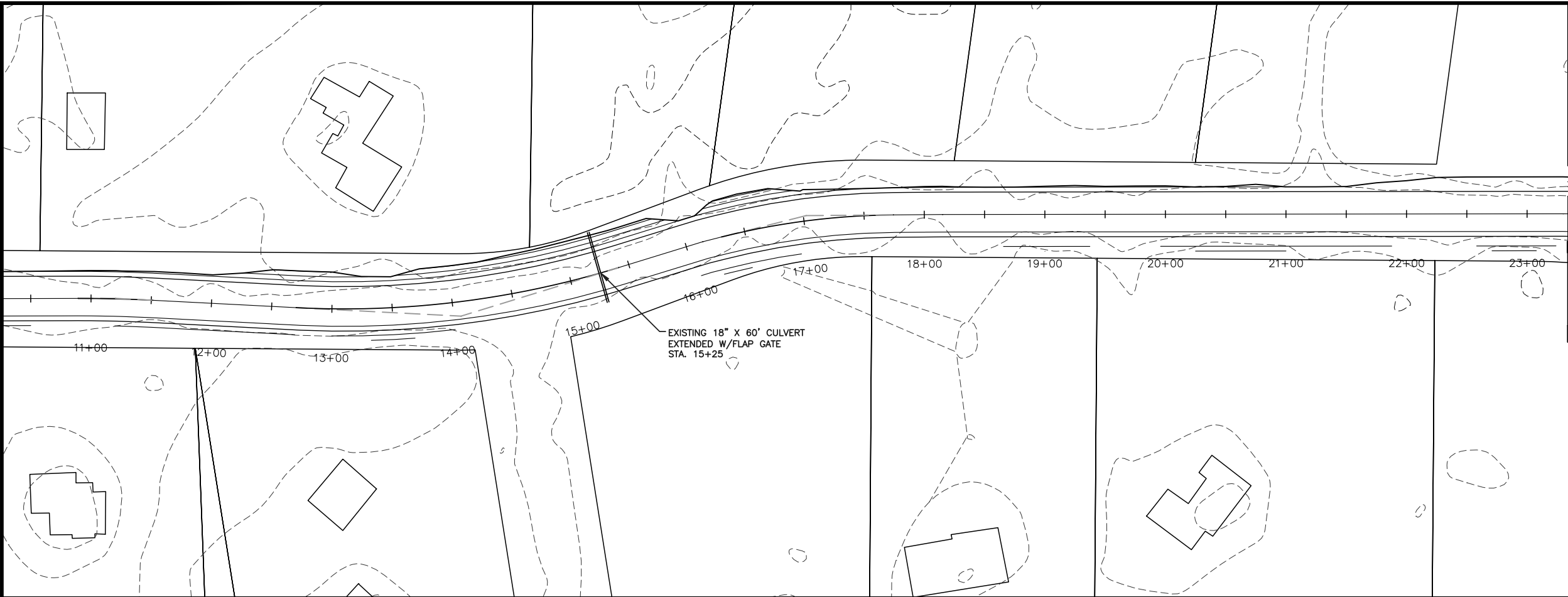


No.	Revision	Date	By



Fargo	Drawn by ARV/NRC	Date 3-25-13	FOX ISLAND FLOOD CONTROL PROJECT SEGMENT D / ROAD RAISE BISMARCK, ND
P: 701.237.5065 F: 701.237.5101	Checked by MHG	Scale AS SHOWN	

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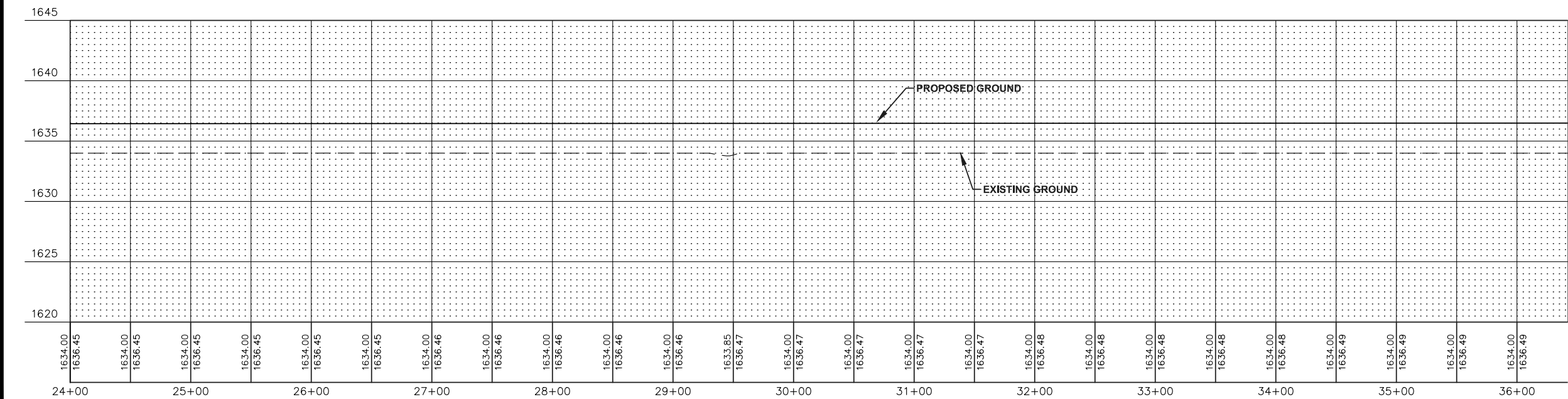
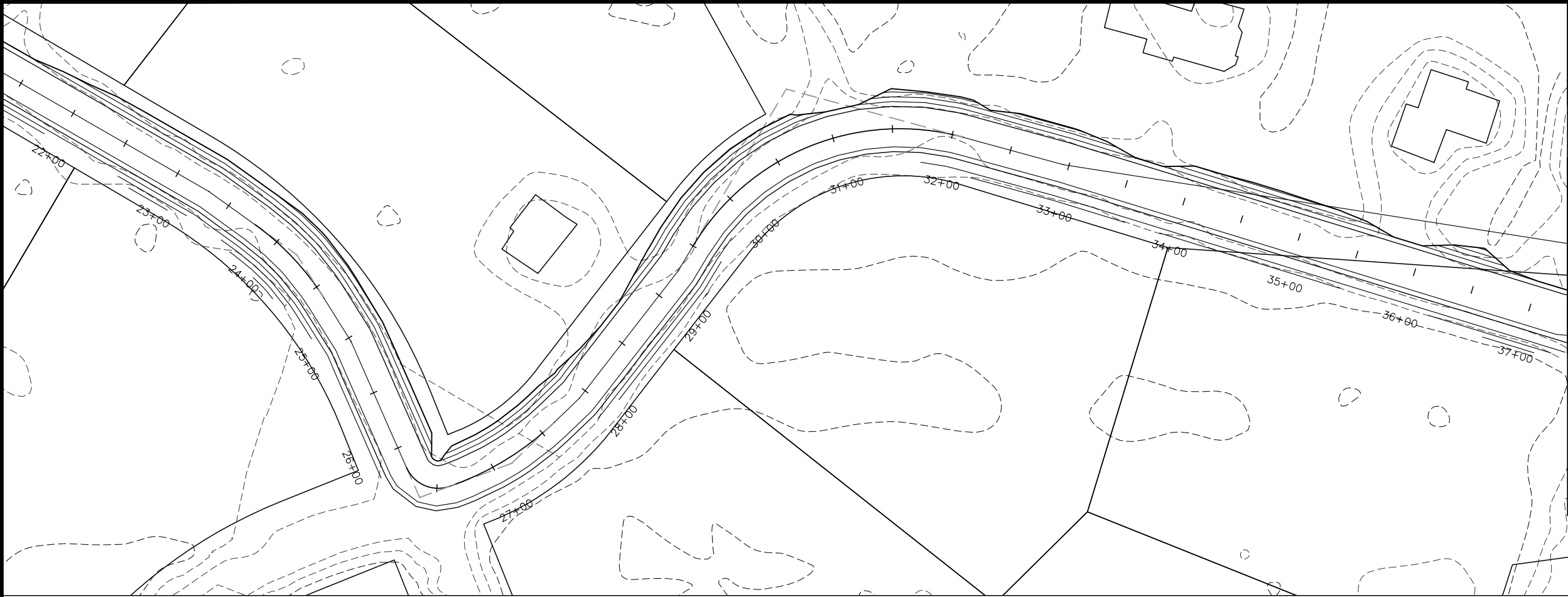
No.	Revision	Date	By



Fargo	Drawn by ARV/NRC	Date 3-25-13
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FOX ISLAND FLOOD CONTROL PROJECT
SEGMENT D / ROAD RAISE
BISMARCK, ND

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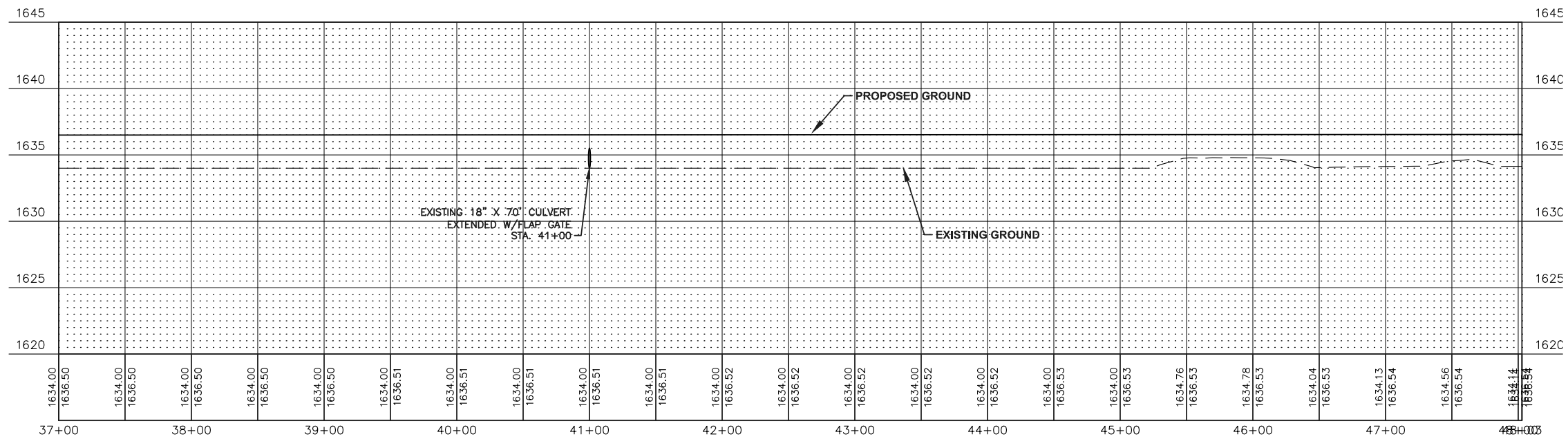
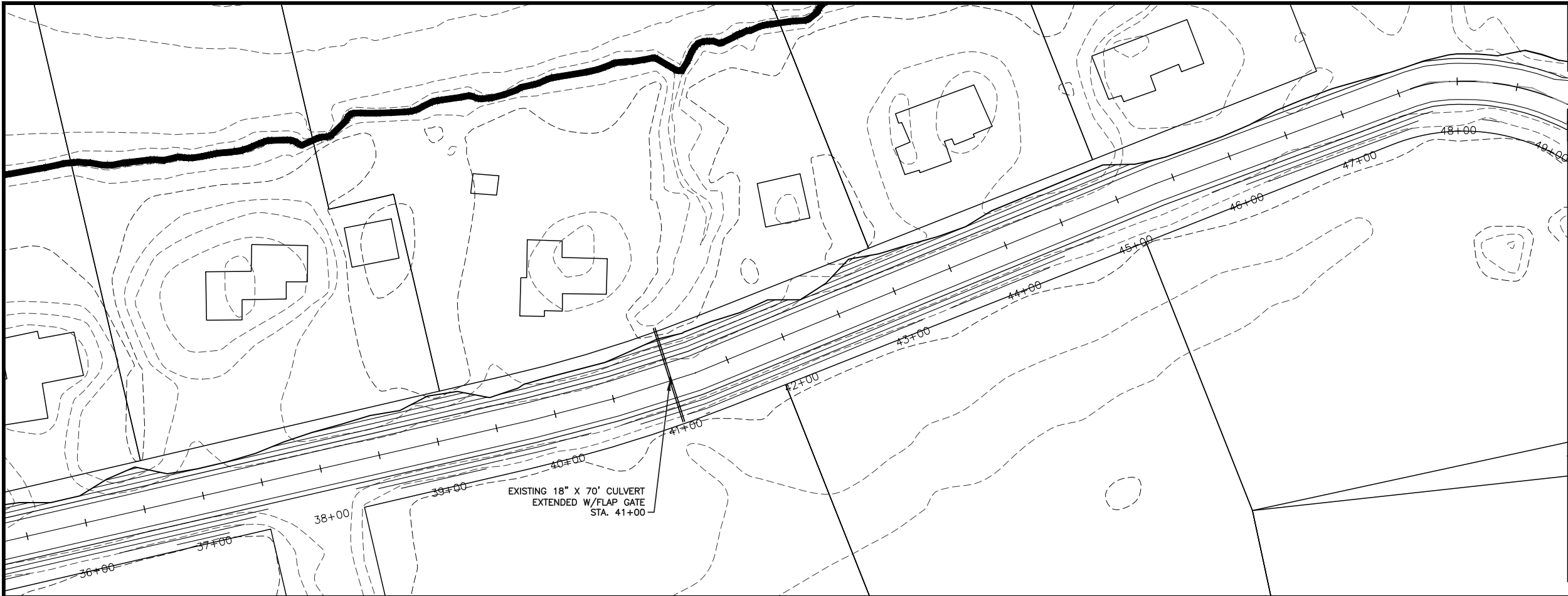
No.	Revision	Date	By



Fargo	Drawn by ARV/NRC	Date 3-25-13
P: 701.237.5065 F: 701.237.5101	Checked by MHG	Scale AS SHOWN

FOX ISLAND FLOOD CONTROL PROJECT
SEGMENT D / ROAD RAISE
BISMARCK, ND

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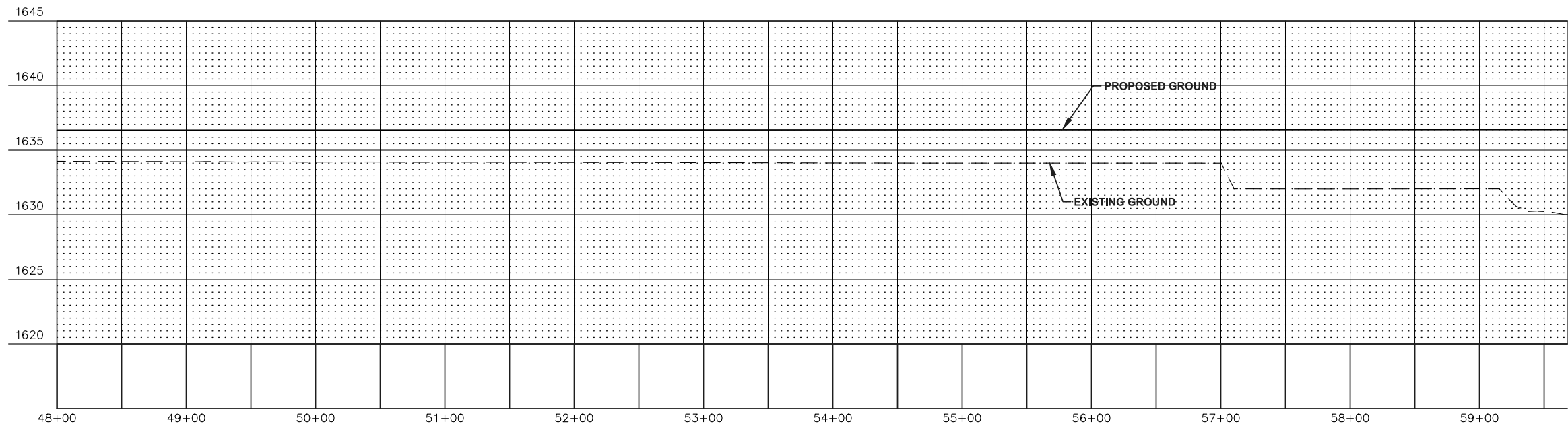
No.	Revision	Date	By



Fargo	Drawn by ARV/NRC	Date 3-25-13
P: 701.237.5065 F: 701.237.5101	Checked by MHG	Scale AS SHOWN

FOX ISLAND FLOOD CONTROL PROJECT
SEGMENT D / ROAD RAISE
BISMARCK, ND

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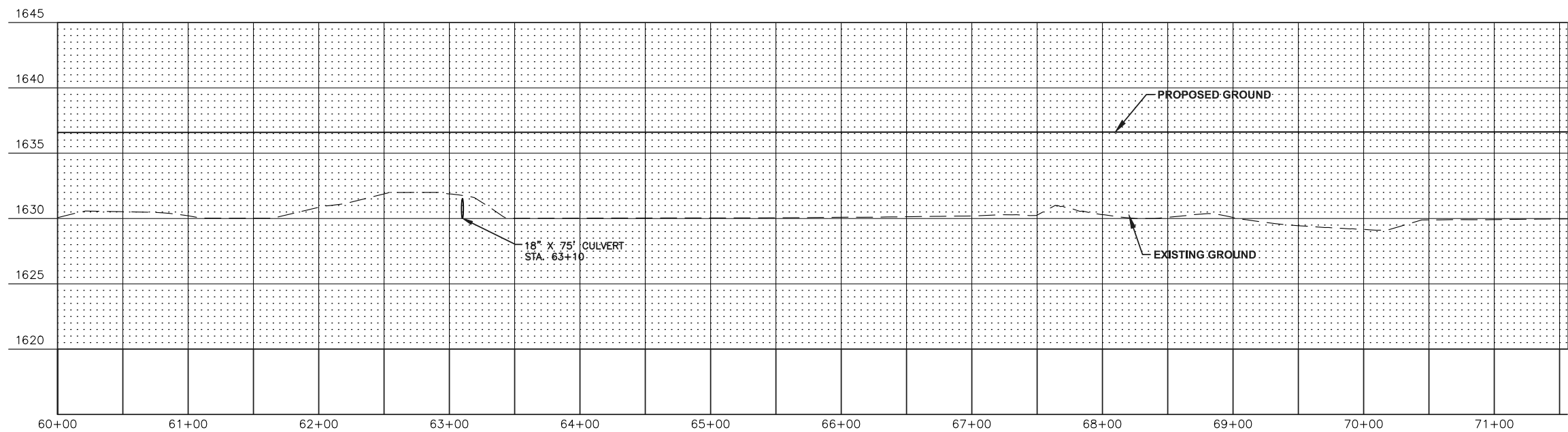
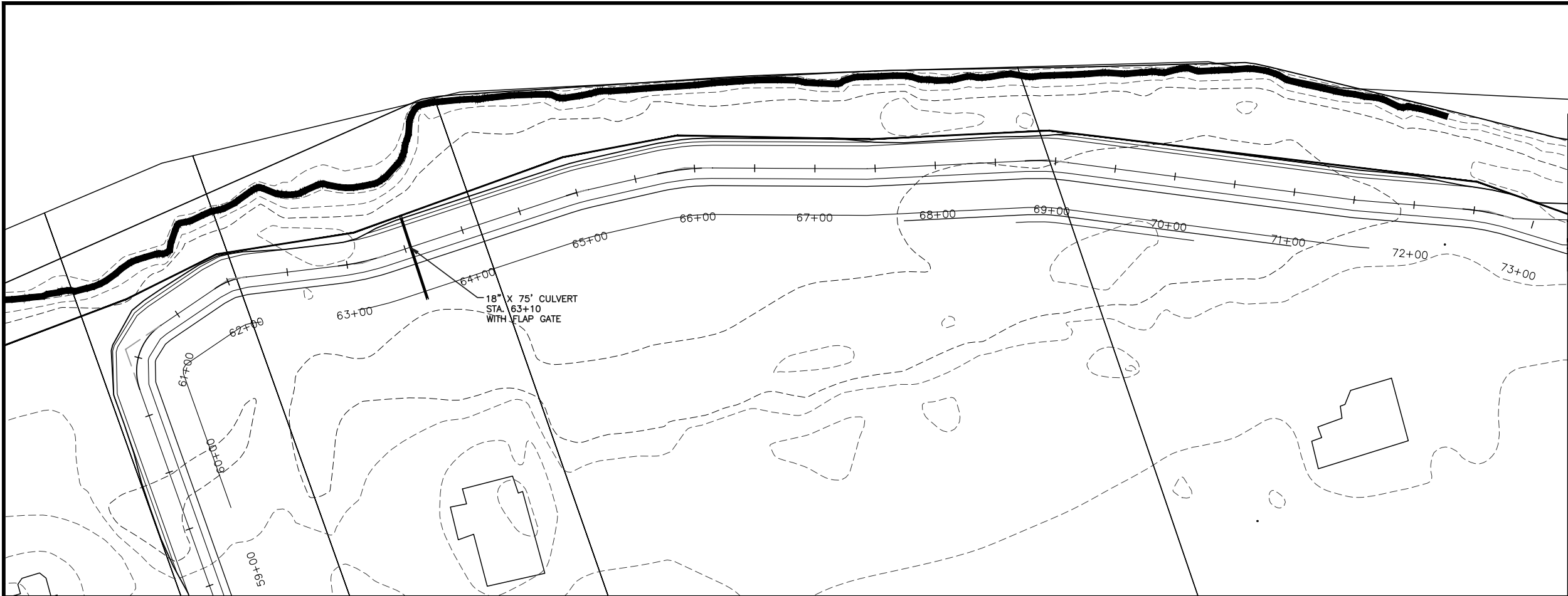
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SEGMENT D / ROAD RAISE
BISMARCK, ND

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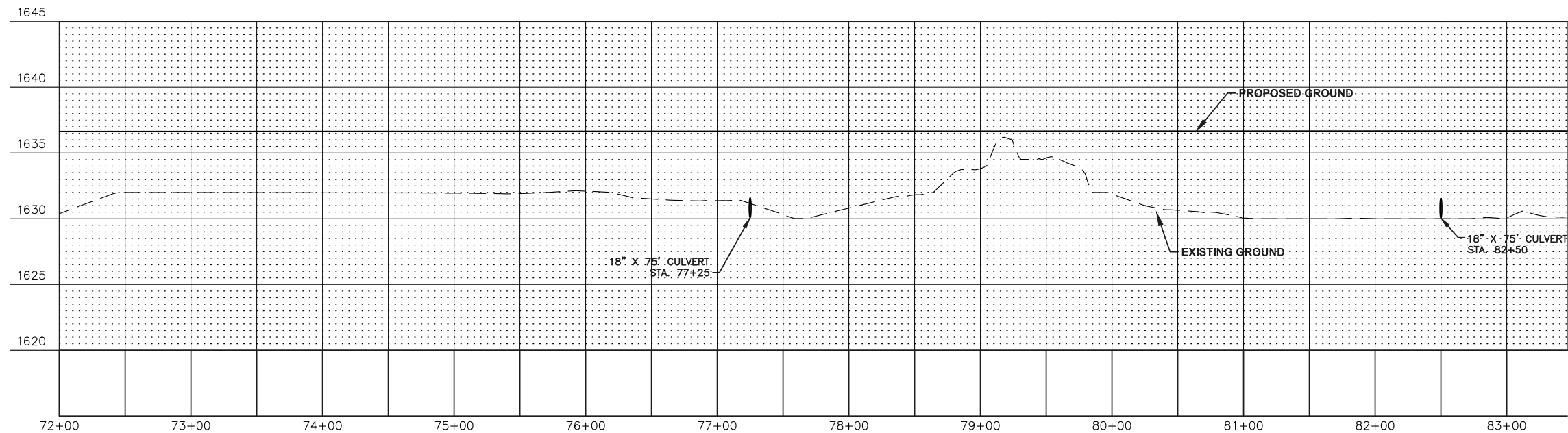
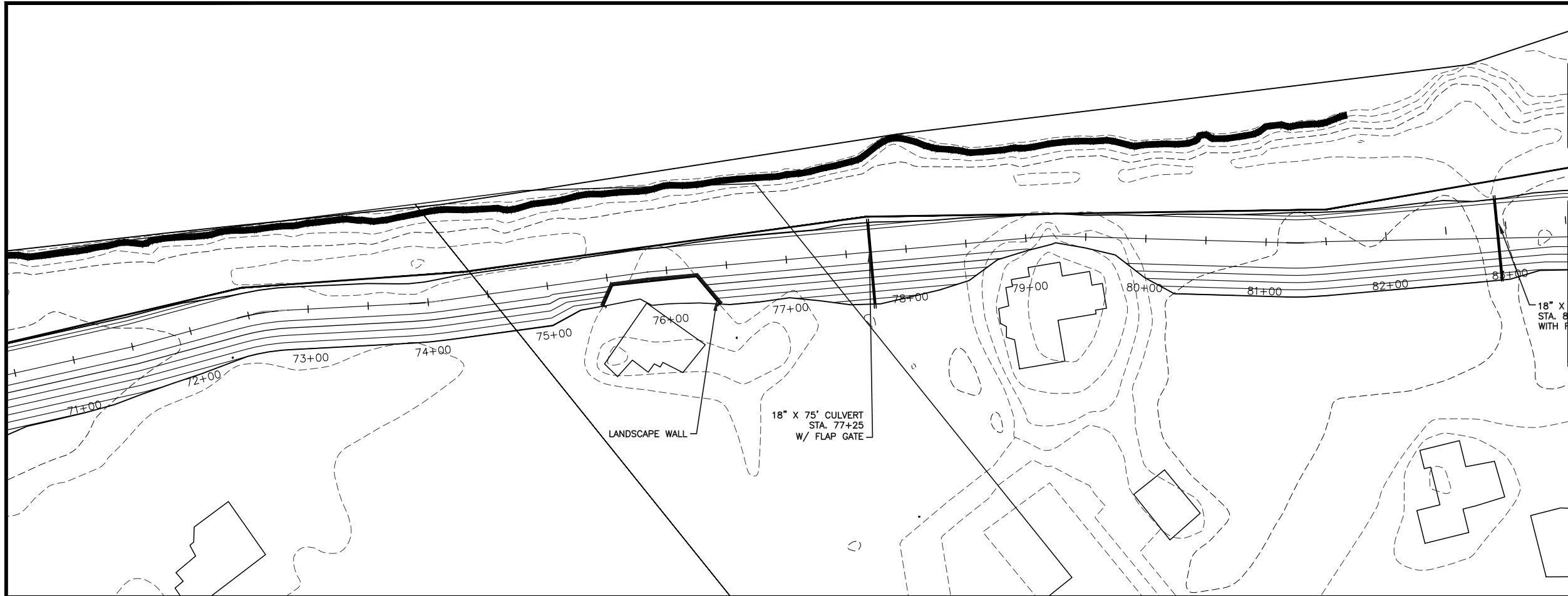
No.	Revision	Date	By



Fargo	Drawn by ARV/NRC	Date 3-25-13
P: 701.237.5065 F: 701.237.5101	Checked by MHG	Scale AS SHOWN

FOX ISLAND FLOOD CONTROL PROJECT
SEGMENT D / ROAD RAISE
BISMARCK, ND

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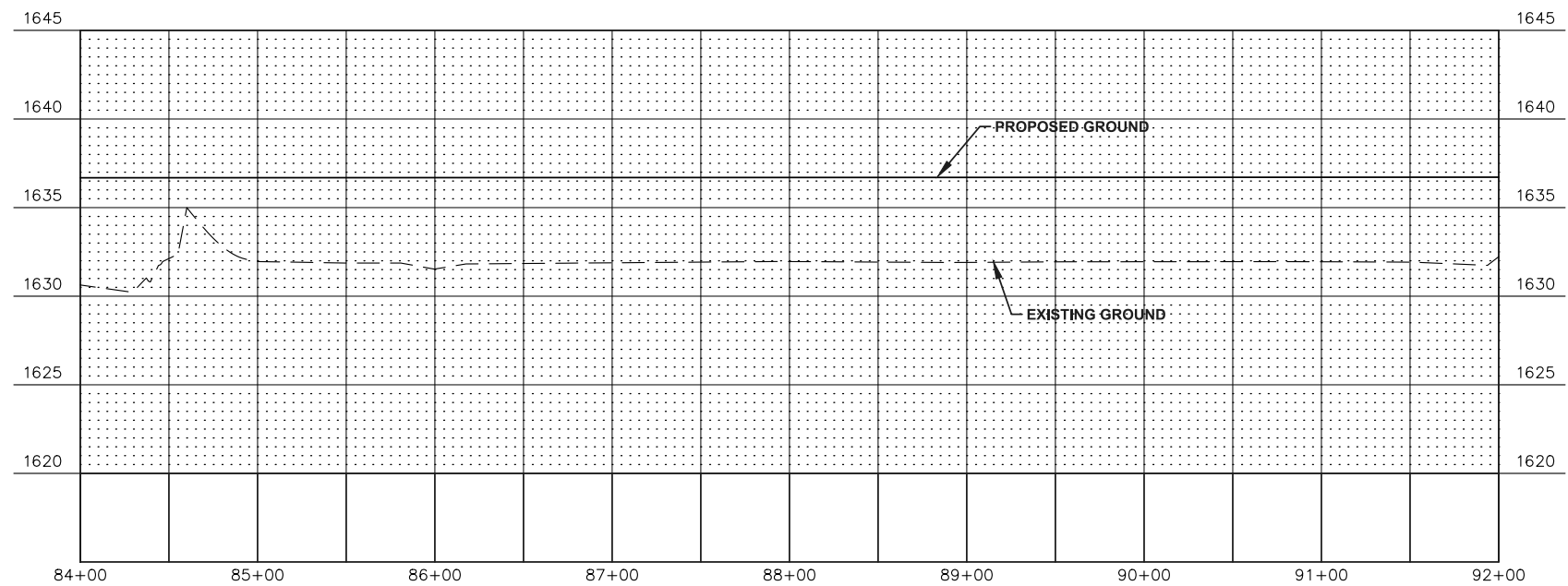
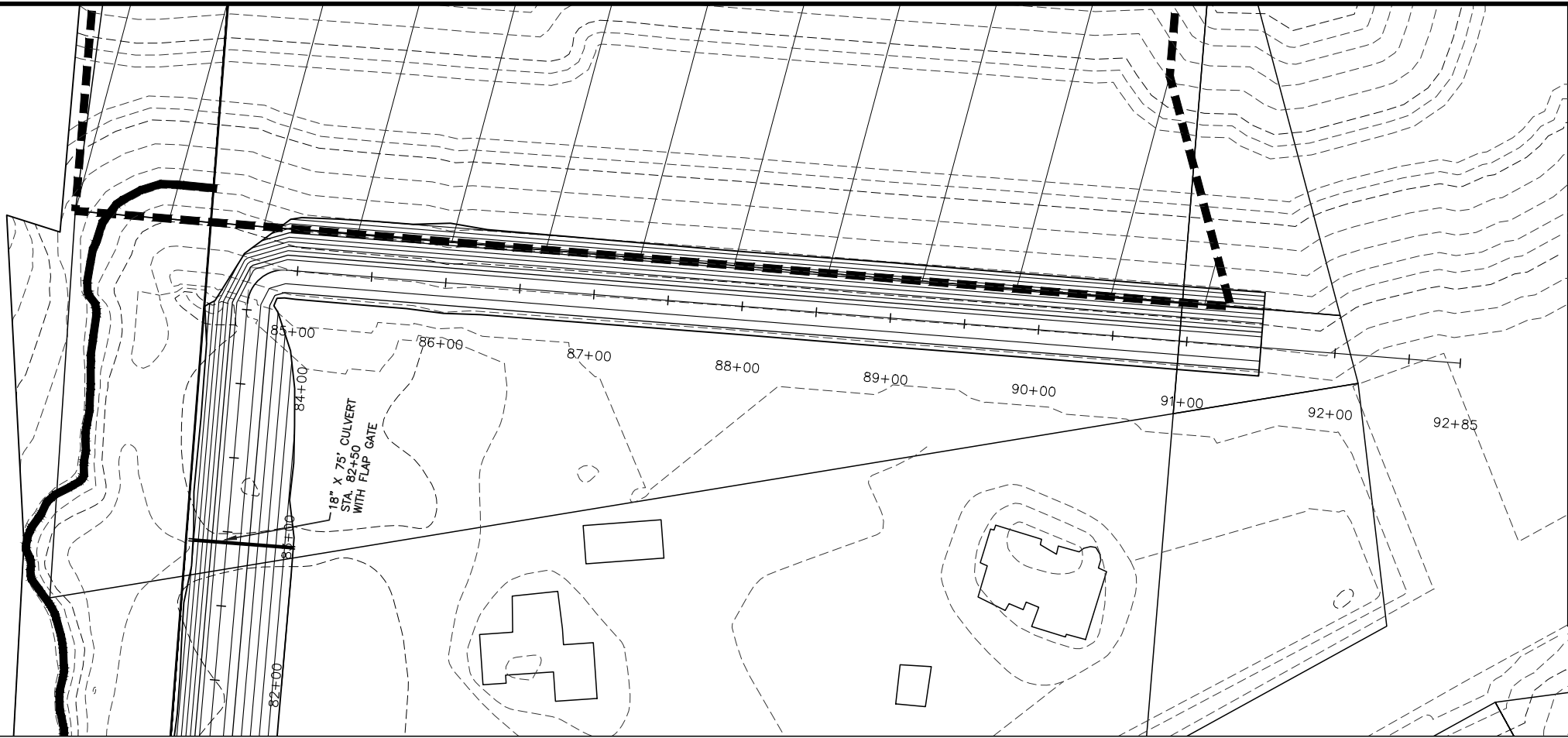
No.	Revision	Date	By



Fargo	Drawn by ARV/NRC	Date 3-25-13
P: 701.237.5065 F: 701.237.5101	Checked by MHG	Scale AS SHOWN

FOX ISLAND FLOOD CONTROL PROJECT
SEGMENT D / ROAD RAISE
BISMARCK, ND

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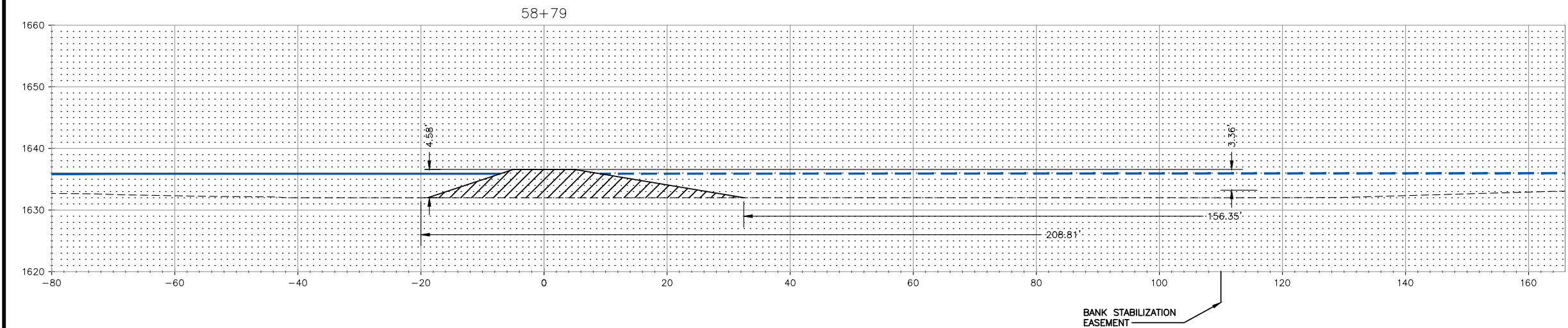
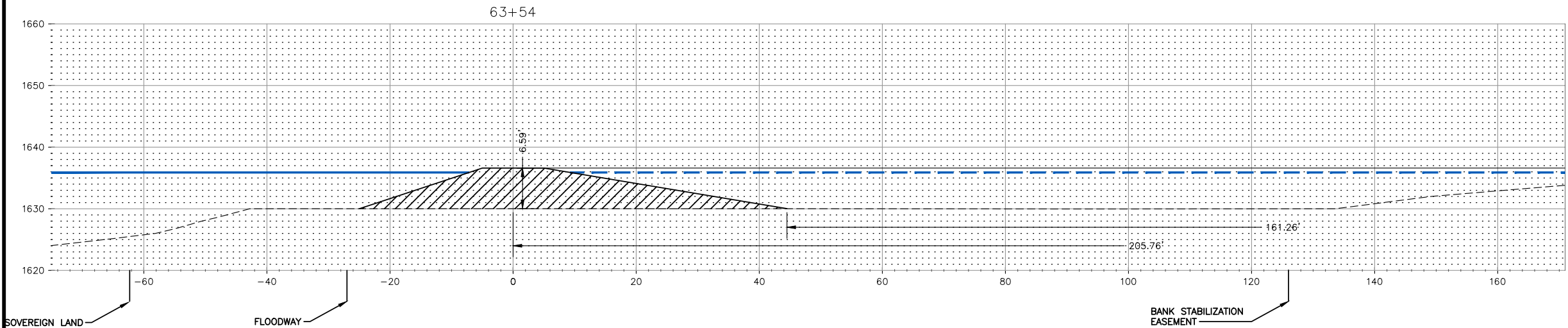
No.	Revision	Date	By



Fargo	Drawn by ARV/NRC	Date 3-25-13
P: 701.237.5065 F: 701.237.5101	Checked by MHG	Scale AS SHOWN

FOX ISLAND FLOOD CONTROL PROJECT
SEGMENT D / ROAD RAISE
BISMARCK, ND

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No.	Revision	Date	By



Bismarck

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ARV/NRC

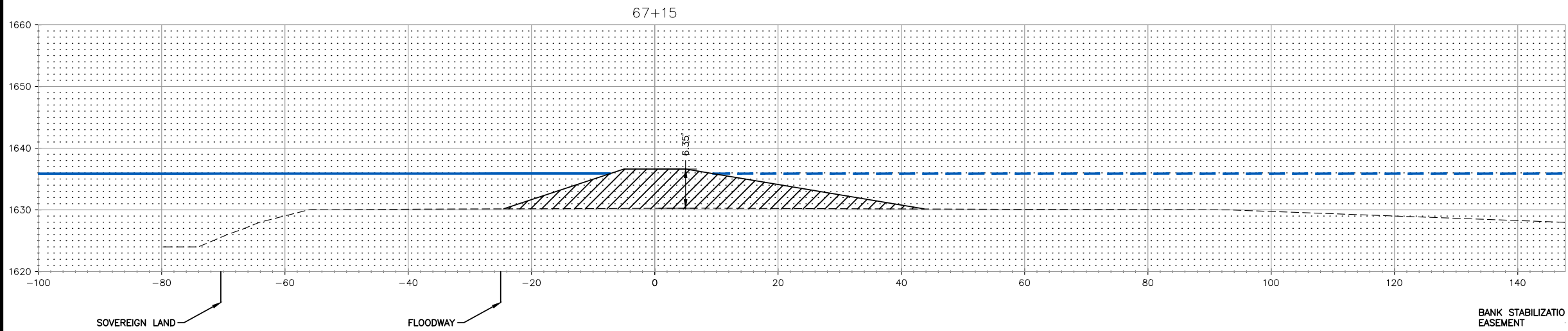
Checked by
MHG

Date
3-25-13

Scale
AS SHOWN

FOX ISLAND FLOOD CONTROL PROJECT
3456 GALLATIN DRIVE: GOVIG, PAUL & KREN
BISMARCK, ND

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No.	Revision	Date	By



Bismarck

P: 701.323.0200
F: 701.323.0300

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ARV/NRC

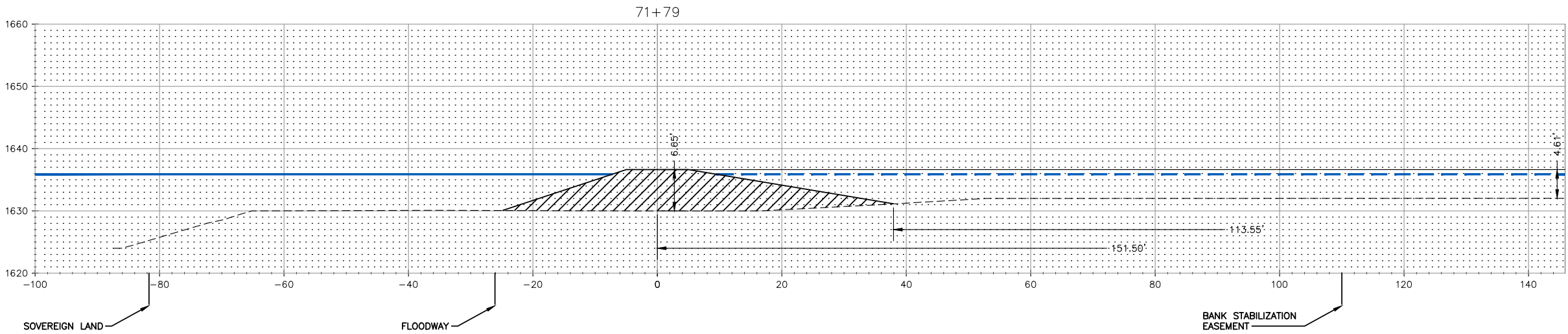
Checked by
MHG

Date
3-25-13

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AS SHOWN

FOX ISLAND FLOOD CONTROL PROJECT
3464 GALLATIN DRIVE: BOISE, TRAVIS
BISMARCK, ND

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No.	Revision	Date	By



Bismarck

P: 701.323.0200
F: 701.323.0300

Drawn by
ARV/NRC

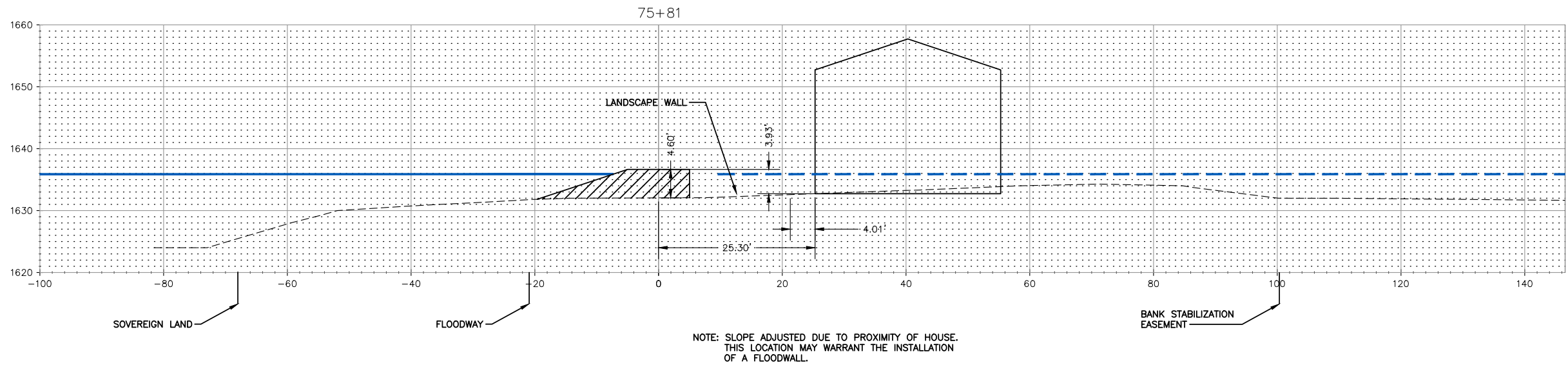
Checked by
MHG

Date
3-25-13

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AS SHOWN

FOX ISLAND FLOOD CONTROL PROJECT
2505 LARSON ROAD: HERINGER, EVERETT &
BISMARCK, ND

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No.	Revision	Date	By



Bismarck

P: 701.323.0200
F: 701.323.0300

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ARV/NRC

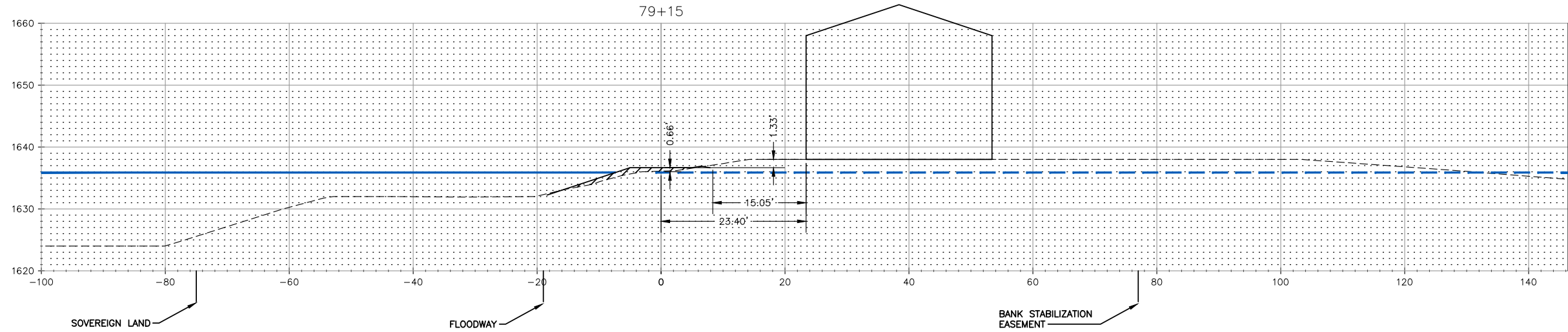
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3-25-13

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AS SHOWN

FOX ISLAND FLOOD CONTROL PROJECT
2525 LARSON ROAD: LARSON, GREGORY & C
BISMARCK, ND

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No.	Revision	Date	By



Bismarck

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ARV/NRC

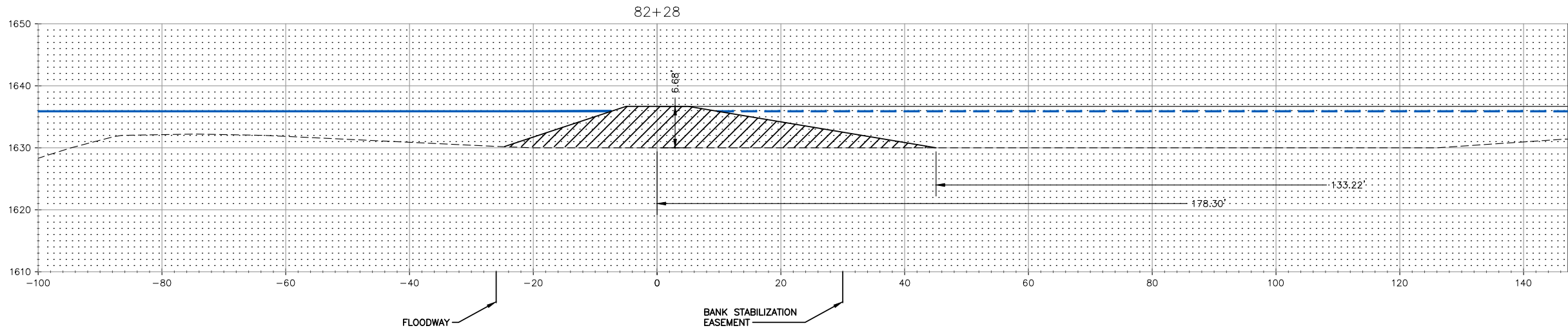
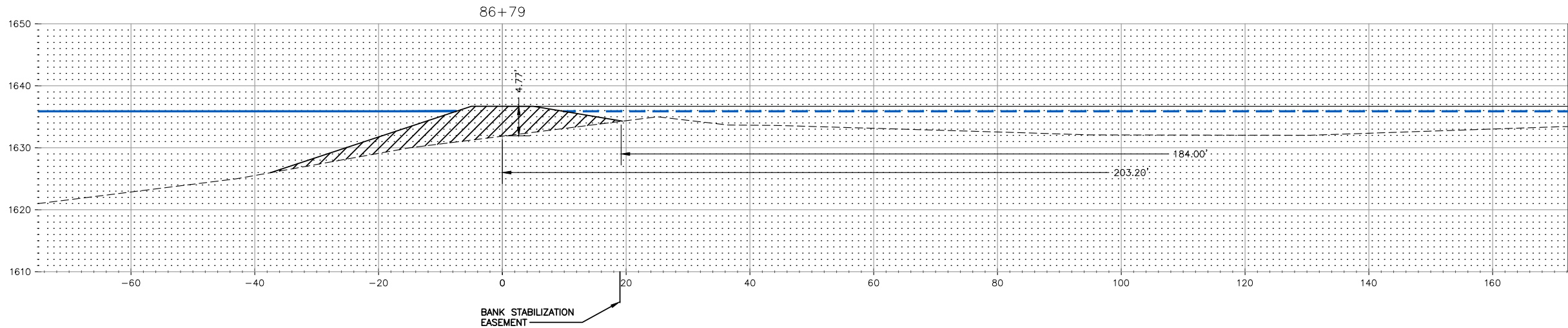
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MHG

Date
3-25-13

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FOX ISLAND FLOOD CONTROL PROJECT
2520 LARSON ROAD: TERNES, DUWAYNE & S
BISMARCK, ND

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No.	Revision	Date	By



Bismarck

P: 701.323.0200
F: 701.323.0300

Drawn by
ARV/NRC

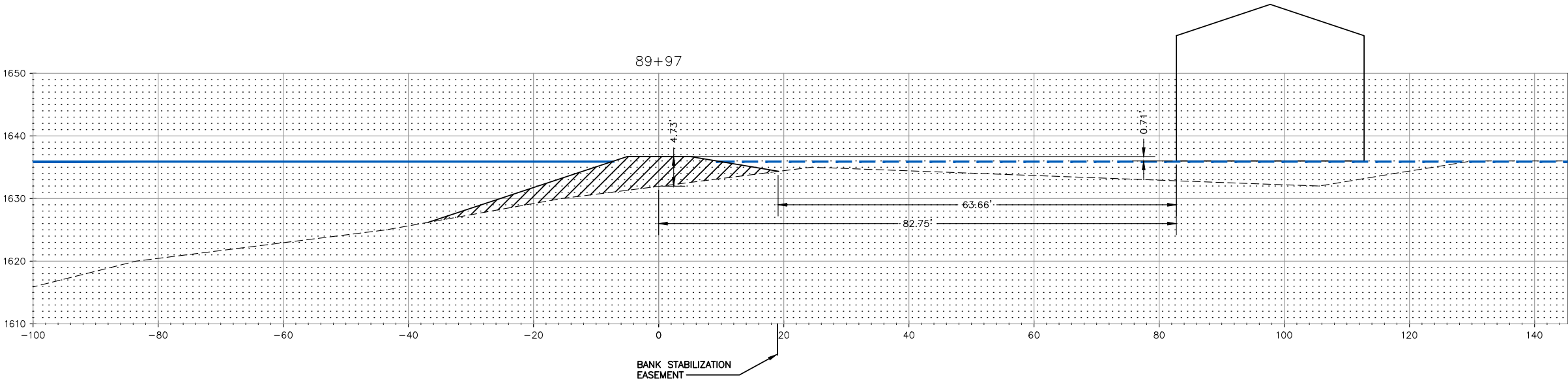
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MHG

Date
3-25-13

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FOX ISLAND FLOOD CONTROL PROJECT
2450 LARSON ROAD: UPGREN, ROBERT & SH
BISMARCK, ND

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No.	Revision	Date	By



Bismarck

P: 701.323.0200
F: 701.323.0300

Drawn by
ARV/NRC

Checked by
MHG

Date
3-25-13

Scale
AS SHOWN

FOX ISLAND FLOOD CONTROL PROJECT
2430 LARSON ROAD: HERINGER, JOSEPH & F
BISMARCK, ND



APPENDIX C

2011 TEMPORARY FLOOD LEVEE ENCROACHMENT IMPACTS





Google

© 2011 Google

46°46'48.54" N 100°48'52.89" W elev. 1635 ft

Eye alt. 12941 ft

Missouri River 2011 Flood Event

City of Bismarck - Emergency Levee Installation

Encroachment Assessment

25-May-11

Location	Cross Section	Model XS	10 Year			50 Year			100 Year			500 Year		
			98' FIS	w/ 2011 Dikes	Δ (ft)	98' FIS	w/ 2011 Dikes	Δ (ft)	98' FIS	w/ 2011 Dikes	Δ (ft)	98' FIS	w/ 2011 Dikes	Δ (ft)
USGS Gage 16342500	AH	131464	1633.59	1633.62	0.03	1636.58	1636.63	0.05	1637.82	1637.88	0.06	1641.11	1641.43	0.32
~ Riverwood Drive	AD	131311	1633.00	1633.03	0.03	1635.98	1636.03	0.05	1637.20	1637.26	0.06	1640.32	1640.65	0.33
~ Southport	AC	131269	1632.80	1632.83	0.03	1635.75	1635.80	0.05	1636.95	1637.01	0.06	1640.10	1640.27	0.17
~ Mills Avenue	AB	131226	1632.37	1632.40	0.03	1635.32	1635.38	0.06	1636.55	1636.63	0.08	1639.83	1639.91	0.08
~ Center Fox Island	AA	131177	1632.23	1632.24	0.01	1635.19	1635.20	0.01	1636.42	1636.42	0.00	1639.61	1639.59	-0.02
~ Tavis Road	Z	131145	1632.11	1632.11	0.00	1635.09	1635.07	-0.02	1636.32	1636.29	-0.03	1639.49	1639.41	-0.08
~ Southend Fox Island	X	131109	1631.84	1631.84	0.00	1634.80	1634.80	0.00	1636.03	1636.03	0.00	1639.13	1639.13	0.00
~ Burleigh Avenue	Y	131072	1631.61	1631.61	0.00	1634.57	1634.57	0.00	1635.78	1635.78	0.00	1638.86	1638.86	0.00

* All elevations in NAVD 88 Datum - Converted from Elevations Below
Conversion to 88 datum 1.368 Feet

Location	Cross Section	Model XS	10 Year			50 Year			100 Year			500 Year		
			98' FIS	w/ 2011 Dikes	Δ (ft)	98' FIS	w/ 2011 Dikes	Δ (ft)	98' FIS	w/ 2011 Dikes	Δ (ft)	98' FIS	w/ 2011 Dikes	Δ (ft)
USGS Gage 16342500	AH	131464	1632.22	1632.25	0.03	1635.21	1635.26	0.05	1636.45	1636.51	0.06	1639.74	1640.06	0.32
~ Riverwood Drive	AD	131311	1631.63	1631.66	0.03	1634.61	1634.66	0.05	1635.83	1635.89	0.06	1638.95	1639.28	0.33
~ Southport	AC	131269	1631.43	1631.46	0.03	1634.38	1634.43	0.05	1635.58	1635.64	0.06	1638.73	1638.90	0.17
~ Mills Avenue	AB	131226	1631.00	1631.03	0.03	1633.95	1634.01	0.06	1635.18	1635.26	0.08	1638.46	1638.54	0.08
~ Center Fox Island	AA	131177	1630.86	1630.87	0.01	1633.82	1633.83	0.01	1635.05	1635.05	0.00	1638.24	1638.22	-0.02
~ Tavis Road	Z	131145	1630.74	1630.74	0.00	1633.72	1633.70	-0.02	1634.95	1634.92	-0.03	1638.12	1638.04	-0.08
~ Southend Fox Island	X	131109	1630.47	1630.47	0.00	1633.43	1633.43	0.00	1634.66	1634.66	0.00	1637.76	1637.76	0.00
~ Burleigh Avenue	Y	131072	1630.24	1630.24	0.00	1633.20	1633.20	0.00	1634.41	1634.41	0.00	1637.49	1637.49	0.00

* All elevations in NGVD 29 Datum - Direct From HEC-RAS Model



APPENDIX D

PREFERRED ALTERNATIVE OPINION OF PROBABLE COST



Fox Island Flood Control Project - Preferred Alternative

Permanent Levee Construction

Opinion of Probable Cost

Updated: August 8, 2016

Item No.	Description	Quantity	Unit	Unit Price	Amount
1	Contract Bond	1	L SUM	\$ 25,000.00	\$ 25,000.00
2	Mobilization	1	L SUM	\$ 97,000.00	\$ 97,000.00
3	Clearing & Grubbing	1	L SUM	\$ 120,000.00	\$ 120,000.00
4	Tree Removal 12" to 24"	247	EA	\$ 231.00	\$ 57,057.00
5	Tree Removal Over 24"	247	EA	\$ 525.00	\$ 129,675.00
6	Water	2,000	M GAL	\$ 30.00	\$ 60,000.00
7	Unclassified Excavation	14,846	CY	\$ 4.20	\$ 62,353.20
8	Borrow Excavation	50,179	CY	\$ 15.75	\$ 790,319.25
9	Subgrade Preparation	36,300	SY	\$ 1.50	\$ 54,450.00
10	Straw Wattles, 12 Inch Diameter	9,982	LF	\$ 4.20	\$ 41,924.40
11	Class 5 Aggregate Base	5,749	TON	\$ 27.30	\$ 156,947.70
12	AC Stabilized Base (Class A)	1,917	TON	\$ 110.25	\$ 211,349.25
13	AC Surface Course (Class A)	1,917	TON	\$ 105.00	\$ 201,285.00
14	Bituminous Tack Coat	1,724	GAL	\$ 2.63	\$ 4,525.50
15	18" Storm Sewer Pipe	241	LF	\$ 63.00	\$ 15,183.00
16	18" Flared End Section	8	EA	\$ 1,165.50	\$ 9,324.00
17	Erosion Control Levee Armoring	31,799	SY	\$ 6.30	\$ 200,333.70
18	Topsoiling	6,050	CY	\$ 4.20	\$ 25,410.00
19	Seeding Class II	9	AC	\$ 1,785.00	\$ 15,351.00
20	Remove & Reset Sign	10	EA	\$ 136.50	\$ 1,365.00
21	Remove Asphalt	17,245	SY	\$ 7.35	\$ 126,750.75
22	Removal Pipe All Types & Sizes	500	LF	\$ 21.00	\$ 10,500.00
23	Remove & Reset Fence	240	LF	\$ 5.25	\$ 1,260.00
24	8" Toe Drain	4,424	LF	\$ 27.30	\$ 120,775.20
25	4" Cleanout	12	EA	\$ 577.50	\$ 6,930.00
26	Toe Drain Pump Basin	4	EA	\$ 8,925.00	\$ 35,700.00
27	Gate Well Control Structure	4	EA	\$ 50,000.00	\$ 200,000.00
28	Drainage Easement Improvements	1	LS	\$ 68,250.00	\$ 68,250.00
Construction Cost =					\$ 2,849,018.95

Geotechnical (Braun Intertec)	\$ 58,000.00
Preliminary Engineering Report	\$ 157,000.00
Engineering (Design, Environmental, Easements and Permitting Services)	\$ 320,000.00
Engineering (Construction Management Services)	\$ 384,000.00
Administration (ROW, Legal, and General Admin)	\$ 50,000.00
O&M and Pumping Fund Reserve	\$ 100,000.00
Subtotal	\$ 1,069,000.00

Total Levee Cost	\$ 3,918,018.95
SWC Cost Share - Previous	\$ (23,900.00)
Township/County Participation	\$ (920,456.00)
State Legislative Allocation SB2020	\$ (2,800,000.00)
Amount to be Assessed	\$ 173,662.95



APPENDIX E

RESOLUTIONS AND SPECIAL ASSESSMENT DISTRICT





Burleigh County Water Resource District

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

TO: Fox Island Area Residents
FROM: Burleigh County Water Resource District
SUBJECT: Fox Island Flood Control Project
Date: August 17, 2016

Dear Resident:

The Burleigh County Water Resource District is proceeding with the development of a flood control project to protect most of the rural residential properties on Fox Island from a 2011 flood event. The opinion of probable cost is \$3,918,018.95, with \$2,800,000 being provided by a direct legislative appropriation. Another \$920,456 will be provided by Lincoln Township, with any remaining costs, approximately \$173,662.95, being assessed to the residential properties. In order to fund these improvements, it will be necessary to create a special assessment district in accordance with North Dakota Century Code Chapter 61-16.1.

Enclosed is a copy of the assessment list showing a total of 61 parcels to be assessed equal amounts of \$2,846.93, along with \$943.40 for operation and maintenance, for a total of \$3,790.33. Another 45 lots will only be assessed only for the operation and maintenance fund at \$943.40. Also enclosed is a Notice of the Public Hearing which will be held on *Wednesday September 7th at the Bismarck Veterans Memorial Public Library, 515 N 5th Street, Bismarck, ND from 5:30 pm to 8 pm*; along with a copy of the Resolution of the Burleigh County Water Resource District creating the project. The assessment list has been filed with the Burleigh County Auditor. Additional information is available on the Burleigh County Water Resource District website at www.bcwrld.org.

Each property owner will have 30 days from the date of the hearing to cast their votes either in favor or in opposition to the project. We have enclosed a ballot and a return envelope for your use. Each property owner receives one vote for each \$1 of assessment. The project will pass or fail based on the percentage of votes actually cast.

You are encouraged to attend the scheduled Public Hearing where any questions you have may be answered. If you have questions in the interim, please direct them to Michael Gunsch, of Houston Engineering, at 323-0200.

Sincerely,

A handwritten signature in blue ink, appearing to read "Dennis Reep".

Dennis Reep, Chairman
Burleigh County Water Resource District

Enclosure

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

Current Board Members:

Dennis Reep, Chairman, Bismarck 223-7052 Greg Larson, Vice Chairman, Bismarck 400-7217 Gordon Weixel, Secretary/Treasurer, Bismarck 258-5390
Rick Detwiller, Bismarck 223-8782 Rodney Beck, Bismarck 222-8430



Resolution No. 1

BURLEIGH COUNTY WATER RESOURCE DISTRICT BURLEIGH COUNTY, NORTH DAKOTA

RESOLUTION OF NECESSITY FOR THE FOX ISLAND FLOOD CONTROL PROJECT

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

1. There having been proposed through action of this Board, pursuant to Chapter 61-16.1 of the North Dakota Century Code, the construction of a project, hereafter to be known and referred to as the Fox Island Flood Control Project (the "Project"), which Project is proposed to be financed in whole or in part using legislative and township directed funds, with any remaining funds raised through the collection of special assessments levied against lands and premises benefited by the construction of such Project. This Board having examined the proposed Project, it is hereby declared that further proceedings are warranted and that it is necessary to construct and maintain the Project, which has the following nature and purpose:

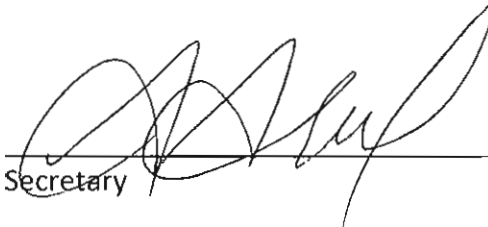
The proposed Fox Island Flood Control Project would include the following:

A levee system and all required appurtenant features required to protect those properties located within the defined benefit area, as outlined in the ***Fox Island Flood Control Feasibility Assessment, February 19, 2014***, prepared by Houston Engineering, and located along a line from the Tavis Missouri River Oxbow then north along Tavis Road then east on Far West Drive, then east and then north on Galatian Loop, then west to the Missouri River then north along the river to the Whispering Bay Access channel then east to Whisper Drive, to protect the subject properties from Missouri River flood inundation during an event similar to that experienced in 2011. This system to connect into elevated Tavis Road flood control closure and gates constructed by the Burleigh County Highway Department, and the elevated Whispering Bay Development.

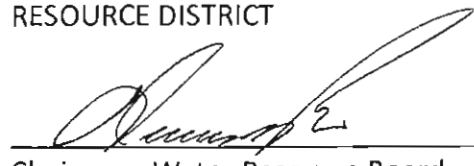
2. Michael H. Gunsch, PE, Houston Engineering, Inc., Bismarck, North Dakota, is hereby designated as the registered professional engineer to assist the Board with the Project and is hereby directed to prepare a preliminary engineering report and preliminary plans for the proposed Project and estimates of the total cost thereof, which estimates shall include the acquisition of any properties or necessary rights-of-way and shall be in sufficient detail to allow the Board to determine the probable share of the total costs that will be assessed against each of the benefitted landowners within the proposed Project assessment district.

Adopted by Board the 8th day of March 2016,

ATTEST:


Secretary

BURLEIGH COUNTY WATER
RESOURCE DISTRICT


Chairman, Water Resource Board

The governing body of the political subdivision acted on the foregoing resolution on March 8, 2016, as follows:

Adoption moved by Larson Seconded by Weixel.

Roll Call Vote (List Last Names)

"Aye" Larson, Weixel, Beck, Reep

"Nay" N/A

Absent Detwiler



Resolution No. 2

BURLEIGH COUNTY WATER RESOURCE DISTRICT
BURLEIGH COUNTY, NORTH DAKOTA

**RESOLUTION APPROVING ENGINEER'S REPORT, PLANS, SPECIFICATIONS
AND ESTIMATE OF COST AND DIRECTING THE ASSESSMENT OF THE COST
FOR THE
FOX ISLAND FLOOD CONTROL PROJECT**

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

1. The engineer's report, preliminary plans, profiles, and opinion of probable cost received by this Board for the proposed construction of the **Fox Island Flood Control Project (the "Project")** August 10, 2016, are hereby approved and the same shall be forthwith filed in the office of the Secretary.
2. The Board shall proceed with the assessment of the cost of the project and public hearing process in accordance with N.D.C.C. Section 61-16.1-21. The project assessments are to include project costs as well as monies for an operations and maintenance fund account per the recommendation contained in the engineer's report. Said maintenance funds assessed as part of the project vote shall be dedicated and retained for uses outside initial construction to defray future project operational and maintenance expenses.

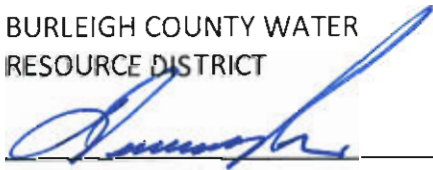
Dated this 10th day of August, 2016

ATTEST:



Secretary

BURLEIGH COUNTY WATER
RESOURCE DISTRICT



Dennis Reep, Chairman,
Burleigh County Water Resource District

The governing body of the political subdivision acted on the foregoing resolution on this 10th day of August, 2016 as follows:

Adoption moved by Larson Seconded by Detwiller.

Roll Call Vote (List Last Names)

"Aye" Larson, Beck, Weixel, Detwiller, Reep

"Nay" N/A

Absent N/A

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



Burleigh County Water Resource District

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

NOTICE OF ORDER AND HEARING ON SPECIAL ASSESSMENTS FOX ISLAND FLOOD CONTROL PROJECT

NOTICE IS HERBY GIVEN that the Burleigh County Water Resource District will hold and conduct a **PUBLIC HEARING** on **Wednesday September 7th at the Bismarck Veterans Memorial Public Library, 515 N 5th Street, Bismarck, ND from 5:30 pm to 8 pm** regarding the proposed Fox Island Flood Control project. Said project having the following general nature and purpose:

Construct roadway improvements and an earthen levee to provide flood protection to rural residential properties located on Fox Island as provided in the Preliminary Engineering Report; in an area generally located south of Mills Avenue, east of Whisper Drive, south of Larson Road, east of the Missouri River, east of the west end of Gallatin Loop, north of Gallatin Drive and Far West Loop, and west of the Missouri River oxbow between Tavis Road and Mills Avenue.

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

NOTICE IS FURTHER GIVEN that:

1. The engineer's report, profiles, plans, specifications and estimate of cost received by this Board for the proposed Fox Island Flood Control Project, are hereby approved and the same shall be forthwith filed in the office of the Secretary.
2. The Board is proceeding with the assessment of the cost of the project and public hearing process in accordance with N.D.C.C. Section 61-16.1-21.
3. The Board has inspected the property subject to special assessments for the Project and has prepared an Assessment List showing the projected assessment against each parcel of land benefited by the proposed Project, including an associated operation and maintenance assessment. The resulting assessment list is included with this Notice.
4. Affected landowners will have 30 days after the date of the aforementioned public hearing (until and through October 10, 2016) to file their votes concerning the proposed Project and such votes must be filed with the Secretary of the Board at 1811 East Thayer Avenue, Bismarck, ND 58501.

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

DATED THIS 17th Day of August, 2016

BURLEIGH COUNTY WATER RESOURCE DISTRICT

A handwritten signature in blue ink, appearing to read "Dennis Reep".

Dennis Reep, Chairman
Burleigh County Water Resource District

Fox Island Flood Control Project Official Ballot

As the owner of Burleigh County **Parcel ID No.** _____ we (I) have been informed regarding the need to construct a flood control project to protect portions of the Fox Island rural residential properties. This requires the need to generate sufficient funds to complete the project. After having considered the project's benefit to our (my) properties and projected monetary assessment against our (my) properties, including an operation and maintenance assessment, we (I) cast the following vote either for, or against, the assessment of said maintenance costs. We (I) understand that this written vote is based on one vote for each dollar of assessment to be levied against our (my) property.

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

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

The assessment will be applied over a twenty year repayment period starting on the 2017 tax statement and will pass or fail based by a simple majority of the actual votes cast. If you fail to cast this ballot with the Secretary of the Burleigh County Water Resource District by 5:00 p.m. October 10th, 2016 your vote will not be counted.

Burleigh County Water Resource District
c/o Mona Livdahl, Secretary
Fox Island Flood Control Project Ballot
1811 East Thayer Avenue
Bismarck, ND 58501

If for some reason you are unable to deliver or mail this ballot in the time allotted, you are encouraged to contact Mona Livdahl at 701-222-3499. Should you lose this ballot, a written letter either in favor or opposed to the project shall be considered adequate as long as it is received within the allotted time period. In addition, should you wish to rescind your vote you may do so, in writing only, at any time within the allotted time period. The Burleigh County Water Resource Board will review the vote totals on or before their October 14, 2016 meeting, and if favorable will proceed toward project design with construction occurring in 2017.

If you have questions regarding the project, please contact Michael H. Gunsch, Houston Engineering, Inc. at 701-323-0200.

Signature of Owner

Date

Signature of Owner

Date

Path: H:\Bismarck\UBN\6025 Burleigh Co. WRD\6025-006 Fox Island Flood Control\GIS\Maps\FINAL\Assessment District 8-7-16.mxd

Assessment District

Full Assessment

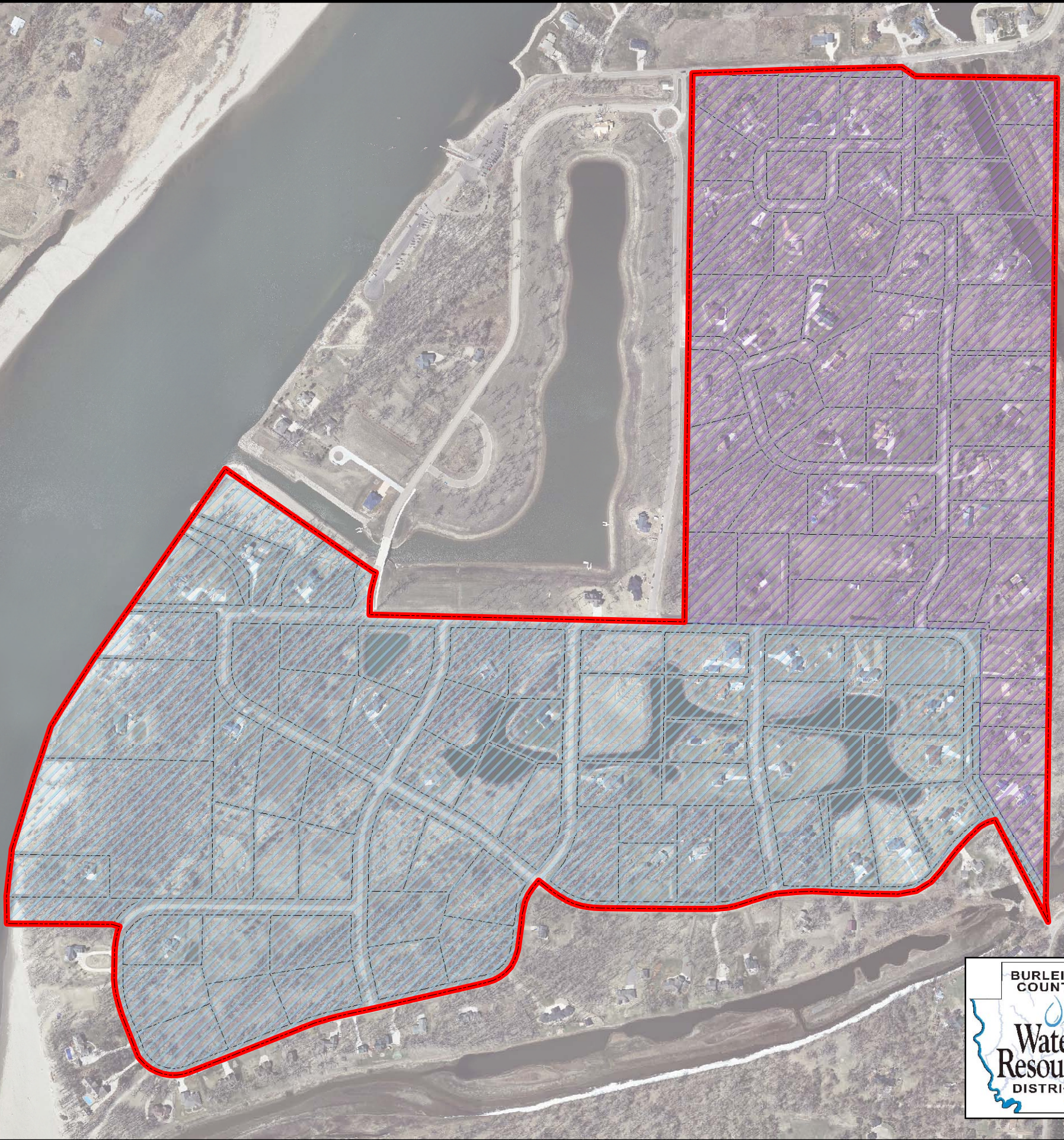
O& M Assessment Only

Legend

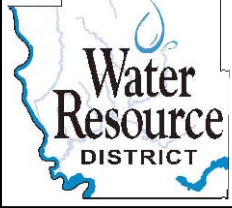
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BURLEIGH COUNTY

Water Resource DISTRICT

ASSESSMENT DISTRICT
FOX ISLAND FLOOD CONTROL PROJECT
BURLEIGH COUNTY WATER RESOURCE DISTRICT
BISMARCK, ND

Scale: AS SHOWN	Drawn By: NRC	Checked By: MHG	Project No. 6025-006	Date: 8/15/2016
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Houston Engineering Inc.

Bismarck

P: 701.323.0200
F: 701.323.0300

Fox Island Flood Control Project - Recommended Assessment District
Updated Costs Based on Preliminary Engineering Report - August 2016

Listing Created 8/7/2016 from 7/22/2016 Parcel Data

Created by NRC

Checked by MHG

Legend	
	Parcel is Exempt From Assessment
	Parcel is South of Larson Road
	Parcel is North of Larson Road
	Parcel is Unbuildable

Parcel_ID	Section	Township	Range	Legal	Owner	Property Address	Acres/Benefit Area	Project % Assessed	Project Assessment Cost	O&M Assessment Cost	Total Cost to Vote On
38-138-80-54-01-020	38	138	80	LARSON Block 01 L2 670435	HERINGER, EVERETT E & CAROL A	2505 LARSON RD	7.5	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-02-010	38	138	80	FOX ISLAND SECOND Block 02 LOT 1 471402	ERICKSON, JOHN & SHEREEN	2405 FAR WEST DR	2.39	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-02-050	38	138	80	FOX ISLAND SECOND Block 02 LOT 5 777327	WEISZ, DONALD & PEGGY	3480 GALLATIN DR	2.03	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-54-01-010	38	138	80	LARSON Block 01 L1 #412193	LARSON, GREGORY L & DIANE	2525 LARSON RD	2.4	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-01-010	38	138	80	FOX ISLAND SECOND Block 01 LOT 1	JOHNSON, DENNIS L & GAYLE M	2445 LARSON RD	1.97	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-02-020	38	138	80	FOX ISLAND SECOND Block 02 LOT 2 729894	ROGSTAD, CASEY & KATHERINE	2375 FAR WEST DR	2.04	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-02-060	38	138	80	FOX ISLAND SECOND Block 02 LOT 6 700898	WEISZ, DON & PEGGY	3470 GALLATIN DR	2.06	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-03-010	38	138	80	FOX ISLAND SECOND Block 03 LOT 1 666257	PETERSON, GREGORY S	3475 GALLATIN DR	2.31	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-33-02-040	38	138	80	FOX ISLAND Block 02 LOT 4 778323	GOVIG, PAUL & KRENZ, JULIE	3435 GALLATIN DR	2.35	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-33-02-020	38	138	80	FOX ISLAND Block 02 LOT 2 666257	PETERSON, GREGORY S	3390 GALLATIN DR	2.21	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-33-02-030	38	138	80	FOX ISLAND Block 02 LOT 3 649234	PETERSON, GREGORY S	3406 GALLATIN DR	1.97	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-33-07-010	38	138	80	FOX ISLAND Block 07 LOT 1 709412	COLLING, JAMES R & CASSANDRA	1600 FAR WEST DR	2.23	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-33-07-020	38	138	80	FOX ISLAND Block 07 LOT 2 555175	CUNNINGHAM, MARK P & DEBBIE L	1680 FAR WEST DR	2.33	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-04-010	38	138	80	FOX ISLAND SECOND Block 04 LOT 1 666600	PAGAN, JORGE & LISA	3233 FONTENELLE DR	2.18	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-33-07-040	38	138	80	FOX ISLAND Block 07 LOT 4 702876	BENDER, BRENT D & >	3221 DEER LODGE DR	2.23	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-04-030	38	138	80	FOX ISLAND SECOND Block 04 LOT 3 666601	PAGAN, JORGE & LISA	3055 FONTENELLE DR	2.08	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-03-020	38	138	80	FOX ISLAND SECOND Block 03 LOT 2 698060	MEEKER, CHRIS & JANEL	3485 GALLATIN DR	2.09	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-33-03-020	38	138	80	FOX ISLAND Block 03 LOT 2 698174	TOBIAS MARMAN CONSTRUCTION LLC	3336 GALLATIN DR	1.98	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-33-03-030	38	138	80	FOX ISLAND Block 03 LOT 3 571702 615562	MALLOY, HOWARD L & BECKER, RENEE	3348 GALLATIN DR	1.96	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-33-02-010	38	138	80	FOX ISLAND Block 02 LOT 1 698060	MEEKER, CHRIS & JANEL	3370 GALLATIN DR	2.04	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-62-01-010	38	138	80	MEADOW VIEW Block 01 L1 488054	HAWKINSON, DONALD L & J M	3101 TAVIS RD	2	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-34-05-020	38	138	80	FOX ISLAND SECOND Block 05 LOT 2 825568	WATKINS, DEREK	3020 GALLATIN DR	2.06	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-06-010	38	138	80	FOX ISLAND SECOND Block 06 LOT 1 655807	WAGNER, DONAVON & BERG, JAMES	3105 GALLATIN DR	1.95	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-06-020	38	138	80	FOX ISLAND SECOND Block 06 LOT 2 496794 631309 633475	WAGNER, DONAVON D & PAMELA J TR	3002 DEER LODGE DR	1.95	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-07-020	38	138	80	FOX ISLAND SECOND Block 07 LOT 2 & E40' OF LOT 1 472021	REIS, ROBERT & REBECCA	1707 LARSON RD	2.444	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-07-030	38	138	80	FOX ISLAND SECOND Block 07 LOT 3 599638	STORK, BRADLEY R	1655 LARSON RD	1.96	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-01-050	38	138	80	FOX ISLAND SECOND Block 01 LOT 5	JOHNSON, DENNIS L & GAYLE M	2370 FAR WEST DR	2.24	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-06-030	38	138	80	FOX ISLAND SECOND Block 06 LOT 3 527608	OWENS, PATRICIA A & DAVID A	3042 DEER LODGE DR	1.95	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-01-040	38	138	80	FOX ISLAND SECOND Block 01 LOT 4 770907	MIRZAI, MICHAEL AV & EVA MARIE	3114 FONTENELLE DR	2.36	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-58-01-020	38	138	80	MEADOW VIEW FIFTH Block 01 LOT 2 499089 799426	TANOUS, MELONIE R	1900 FAR WEST DR	2	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-33-06-010	38	138	80	FOX ISLAND Block 06 LOT 1 499089 799426	TANOUS, MELONIE R	1820 FAR WEST DR	2.22	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-06-060	38	138	80	FOX ISLAND SECOND Block 06 LOT 6 664155	EGGL, MICHAEL T & >	3233 GALLATIN DR	2.52	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-04-020	38	138	80	FOX ISLAND SECOND Block 04 LOT 2 661254	PAGAN, JORGE & LISA	2165 FAR WEST DR	1.97	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-02-040	38	138	80	FOX ISLAND SECOND Block 02 LOT 4 649190	MATHERN, RANDY	3490 GALLATIN DR	2.08	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-33-03-010	38	138	80	FOX ISLAND Block 03 LOT 1 661200	PAGAN, JORGE & LISA	2105 FAR WEST DR	2.02	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-86-00-050	38	138	80	TIMBER LANE PLACE Block 00 L5 + 1/9 OF LOT 12 #438176 (LOT 5 ONLY)	HOFF, THOMAS G & RITA K	2444 TIMBERLANE PL	2.22	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-86-00-040	38	138	80	TIMBER LANE PLACE Block 00 LOT 4 & 1/9 INTEREST IN LOT 12 818932	ZIMMERMAN, GENE & LILLIAN	2434 TIMBERLANE PL	2.07	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-86-00-030	38	138	80	TIMBER LANE PLACE Block 00 L3 + 1/9 OF LOT 12 #381693	HUTCHENS, THOMAS P & KATHERINE	2424 TIMBERLANE PL	2.07	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-86-00-010	38	138	80	TIMBER LANE PLACE Block 00 L1 447310	WRIGHT, DONALD J & LINDA	2415 TRAYNOR LN	2.81	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-86-00-060	38	138	80	TIMBER LANE PLACE Block 00 LOT 6 + 1/9 OF LOT 12 801725	GUSAAS, SHARLENE	2454 TIMBERLANE PL	1.91	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-86-00-120	38	138	80	TIMBER LANE PLACE Block 00 L12 NOT ASSESSED ALONE - TAXED WITH OTHER LOTS	TRAYNOR, D		1.49	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-86-00-110	38	138	80	TIMBER LANE PLACE Block 00 L11 & 1/9 OF LOT 12 556527	HAGENESS, JASON & KARA	2500 TRAYNOR LN	1.97	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-86-00-020	38	138	80	TIMBER LANE PLACE Block 00 L2 546793	OTTESON, GUY & KAYE	2501 TRAYNOR LN	3.07	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-86-00-070	38	138	80	TIMBER LANE PLACE Block 00 L7 + 1/9 OF LOT 12 658072	DOE, TRACY E & SHARI J	2462 TIMBERLANE PL	1.88	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-86-00-100	38	138	80	TIMBER LANE PLACE Block 00 L10 + 1/9 OF LOT 12 510978	MANDIGO, EVAN H & TOVE E	2489 TIMBERLANE PL	2.29	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-86-00-080	38	138	80	TIMBER LANE PLACE Block 00 L8 + 1/9 OF LOT 12 658901 685558	TESKE, ARLA R	2471 TIMBERLANE PL	1.74	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-86-00-090	38	138	80	TIMBER LANE PLACE Block 00 LOT 9 AND 1/9 INTEREST OF LOT 12	ROBINSON, KYLE W & KATIE S	2481 TIMBERLANE PL	1.85	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-87-03-020	38	138	80	TIMBER LANE PLACE SECOND Block 03 L2 #449637	OTTESON, GUY G & KAYE M	2525 SMOKEY LN	3.67	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-87-01-100	38	138	80	TIMBER LANE PLACE SECOND Block 01 L10 583598	LEIDENIX, SARAH B	2520 SMOKEY LN	2.21	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-87-01-010	38	138	80	TIMBER LANE PLACE SECOND Block 01 L1 621847 704472	WARREN, LARRY W & JAN L	2882 WOODLAND DR	2.07	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-87-01-020	38	138	80	TIMBER LANE PLACE SECOND Block 01 L2 #438980	BERGER, GREGORY A & ROSEMARY M	2876 WOODLAND PL	2.19	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-87-01-030	38	138	80	TIMBER LANE PLACE SECOND Block 01 L3 526601	LEISCHNER, MARK & SUSAN	2866 WOODLAND PL	2.07	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-87-01-090	38	138	80	TIMBER LANE PLACE SECOND Block 01 L9 697034	TRAYNOR, KENNETH & MOLLY	2650 SMOKEY LN	2.12	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-87-01-040	38	138	80	TIMBER LANE PLACE SECOND Block 01 L4 526568 638062	WILLIAMS, JEB R & COURTNEY L K	2860 WOODLAND PL	2.17	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-87-02-010	38	138	80	TIMBER LANE PLACE SECOND Block 02 L1 546246	KRONBERG, SCOTT & ADELINA	2875 WOODLAND DR	2	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-87-01-080	38	138	80	TIMBER LANE PLACE SECOND Block 01 L8 593970 735211	BERGE, SCOTT A & LAURIE A	2750 SMOKEY LN	2.01	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-63-00-010	38	138	80	MEADOW VIEW SECOND Block 00 L1 341126	DONAHUE, MICHAEL & JUDY	2749 SMOKEY LN	2.5	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-87-01-050	38	138	80	TIMBER LANE PLACE SECOND Block 01 L5 393974 643893	GRENZ, TERRY A & SALLY A	2850 WOODLAND PL	2.05	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-87-01-060	38	138	80	TIMBER LANE PLACE SECOND Block 01 L6 662873	MEEKER, CHRISTOPHER & JANEL	2830 WOODLAND DR	2.09	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-87-01-070	38	138	80	TIMBER LANE PLACE SECOND Block 01 LOT 7 742969 772769	ENSZ, KAMALA & PEGORS, RANDALL	2812 WOODLAND DR	2.03	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-87-02-020	38	138	80	TIMBER LANE PLACE SECOND Block 02 L2 #412704	MASSEN, JAMES S & MELANIE	2847 WOODLAND DR	2.01	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-87-02-030	38	138	80	TIMBER LANE PLACE SECOND Block 02 L3 #422791	BENDER, LYNN	2837 WOODLAND DR	2.03	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-87-02-040	38	138	80	TIMBER LANE PLACE SECOND Block 02 L4 #387330	BENDER, LYNDON R	2833 WOODLAND DR	2	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-87-02-050	38	138	80	TIMBER LANE PLACE SECOND Block 02 LOT 5 617266 803601	SCHMIT, JULIE A	2823 WOODLAND DR	2.06	0.00%	\$0.00	\$943.40	\$943.40

38-138-80-87-02-060	38	138	80	TIMBER LANE PLACE SECOND Block 02 L6 515976	LUNDIN, ROBERT J & ISSENDORF,>	2900 SMOKEY LN	2.01	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-63-00-060	38	138	80	MEADOW VIEW SECOND Block 00 LOT 6 396443	CERMAK, CALLEN A & REBECCA K	2930 SMOKEY LN	3.14	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-34-01-020	38	138	80	FOX ISLAND SECOND Block 01 LOT 2	JOHNSON, DENNIS L & GAYLE M	2335 LARSON RD	2.01	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-01-030	38	138	80	FOX ISLAND SECOND Block 01 LOT 3 770907	MIRZAI, MICHAEL AV & EVA MARIE	2265 LARSON RD	2.39	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-05-010	38	138	80	FOX ISLAND SECOND Block 05 LOT 1 468278	MACQUEEN, JEFFREY & ASTRID	3007 FONTENELLE DR	1.96	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-05-060	38	138	80	FOX ISLAND SECOND Block 05 LOT 6 466862	WALKER, DWAYNE & RENAE	3103 FONTENELLE DR	2.09	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-07-070	38	138	80	FOX ISLAND SECOND Block 07 LOT 7 621394	LEIER, DIANE M	3045 DEER LODGE DR	1.98	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-07-040	38	138	80	FOX ISLAND SECOND Block 07 LOT 4 513425	SMITH, JAMES W & DORIS M	3152 TAVIS RD	2.02	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-05-030	38	138	80	FOX ISLAND SECOND Block 05 LOT 3 627154	BOESPFLUG, SCOTT J & STEPHANIE	3122 GALLATIN DR	2.09	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-06-040	38	138	80	FOX ISLAND SECOND Block 06 LOT 4 694208	HOHBEIN, RANDY & HERMAN,CHERYL	3110 DEER LODGE DR	1.96	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-07-060	38	138	80	FOX ISLAND SECOND Block 07 LOT 6 575275	ULNESS, JOHN H & RUTH W	3125 DEER LODGE DR	3.52	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-05-050	38	138	80	FOX ISLAND SECOND Block 05 LOT 5 466952	ANDRE, ANN	2200 FAR WEST DR	1.95	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-07-050	38	138	80	FOX ISLAND SECOND Block 07 LOT 5 596526	GLASSER, LAWRENCE D & CARMEN K	3202 TAVIS RD	2.65	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-05-040	38	138	80	FOX ISLAND SECOND Block 05 LOT 4 767412	UPGREN, ROBERT & SHAUNNA	2160 FAR WEST DR	2.29	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-02-030	38	138	80	FOX ISLAND SECOND Block 02 LOT 3 805612	HAGER, JOSHUA R & KIMBERLY	2315 FAR WEST DR	1.96	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-06-070	38	138	80	FOX ISLAND SECOND Block 06 LOT 7 774910	KOCH, SHAWN & LISA	3147 GALLATIN DR	1.96	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-06-050	38	138	80	FOX ISLAND SECOND Block 06 LOT 5 610797	EVERITT, LESTER E & JANA R	3130 DEER LODGE DR	1.97	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-33-04-010	38	138	80	FOX ISLAND Block 04 LOT 1 767412	UPGREN, ROBERT & SHAUNNA	2100 FAR WEST DR	2.27	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-07-010	38	138	80	FOX ISLAND SECOND Block 07 LOT 1 LESS E40' 607986 640377	ROLOFF, DON & DIANA	3005 DEER LODGE DR	1.756	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-33-02-050	38	138	80	FOX ISLAND Block 02 LOT 5 671796	BIJELLA, BRIAN & KAREN	3465 GALLATIN DR	1.97	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-63-00-070	38	138	80	MEADOW VIEW SECOND Block 00 LOT 7 727735 825264	MCSHANE, DAVID J	2910 SMOKEY LN	3.53	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-87-03-015	38	138	80	TIMBER LANE PLACE SECOND Block 03 L1 - THE S 437' #421724	LIES, JOHN N		2	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-87-03-010	38	138	80	TIMBER LANE PLACE SECOND Block 03 L1 - THE N223' #404657	LIES, JOHN N	2301 RIVERWOOD DR	1.79	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-63-00-081	38	138	80	MEADOW VIEW SECOND Block 00 L8 E1/2 #279234	MCKENZIE, PHILIP & DANETTE	1820 LARSON RD	2.5	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-63-00-080	38	138	80	MEADOW VIEW SECOND Block 00 L8 LESS E1/2 333087	MCKENZIE, PHILIP & DANETTE		2.5	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-58-01-011	38	138	80	MEADOW VIEW FIFTH Block 01 L1 THE SOUTH 281.69 FEET 646807	EGGL, MICHAEL & >	1950 FAR WEST DR	1.81	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-58-01-010	38	138	80	MEADOW VIEW FIFTH Block 01 L1 LESS S281.69' 652780	EGGL, MICHAEL & >	3340 LARSON RD	1.19	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-60-01-010	38	138	80	MEADOW VIEW FOURTH Block 01 LOT 1 LESS N119' & LESS W33' R/W 408565	BENDER, CALVIN L & CARLA M		0.914	0.00%	\$0.00	\$0.00	\$0.00
38-138-80-60-01-011	38	138	80	MEADOW VIEW FOURTH Block 01 L1-N 119' LESS W 33' #488054	HAWKINSON, DONALD & JM		0.91	0.00%	\$0.00	\$0.00	\$0.00
38-138-80-60-01-013	38	138	80	MEADOW VIEW FOURTH Block 01 W 33' OF N 119' L1 #460083	BURLEIGH COUNTY		0.09	0.00%	\$0.00	\$0.00	\$0.00
38-138-80-60-01-012	38	138	80	MEADOW VIEW FOURTH Block 01 W33' OF S113.25' L1 #460082	BURLEIGH COUNTY		0.086	0.00%	\$0.00	\$0.00	\$0.00
38-138-80-87-03-031	38	138	80	TIMBER LANE PLACE SECOND Block 03 L3 - THE S 21.37'(.42 A) ROADWAY ATTACHED TO	DONAHUE, MICHAEL & JUDY		0.42	0.00%	\$0.00	\$0.00	\$0.00
38-138-80-87-03-030	38	138	80	TIMBER LANE PLACE SECOND Block 03 L3 LESS THE S 21.37' TO -031 485223	OTTESON, GUY G & KAYE M	2655 SMOKEY LN	3.29	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-63-00-051	38	138	80	MEADOW VIEW SECOND Block 00 S33'OF W300' OF L5 460083	BURLEIGH COUNTY		0.227	0.00%	\$0.00	\$0.00	\$0.00
38-138-80-60-01-020	38	138	80	MEADOW VIEW FOURTH Block 01 L2 LESS W33' TO BUR CO 460082	BENDER, CALVIN L	3201 TAVIS RD	1.775	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-60-01-021	38	138	80	MEADOW VIEW FOURTH Block 01 W 33' OF L2 #460082	BURLEIGH COUNTY		0.176	0.00%	\$0.00	\$0.00	\$0.00
38-138-80-60-01-030	38	138	80	MEADOW VIEW FOURTH Block 01 L3 LESS W33' TO BURLEIGH COUNTY 509647	PRIVRATSKY,DANIEL A& MELODEE J	3305 TAVIS RD	2.023	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-60-01-031	38	138	80	MEADOW VIEW FOURTH Block 01 WEST 33' OF L3 #460084	BURLEIGH COUNTY		0.673	0.00%	\$0.00	\$0.00	\$0.00
38-138-80-63-00-020	38	138	80	MEADOW VIEW SECOND Block 00 LOT 2 686019	FALLER, JOSEPH L & DAWN M	2801 SMOKEY LN	2.5	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-63-00-030	38	138	80	MEADOW VIEW SECOND Block 00 L3 & N88' OF LOT 4 570834 728467	PETRYSZYN, DAVID L & >	2809 SMOKEY LN	3	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-63-00-040	38	138	80	MEADOW VIEW SECOND Block 00 L4 LESS THE N88' 596565	GLUR, DOUGLAS W & NADINE H	2905 SMOKEY LN	2	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-07-01-025	38	138	80	MILLS 1ST SUB 2ND REPLAT Block 01 AUDITOR'S LOT 2A OF LOT 2 675668 675785	TERNES,D&S %UPGREN, ROBERT & SHAUNNA		0.66	0.00%	\$0.00	\$0.00	\$0.00
38-138-80-65-00-051	38	138	80	MILLS FIRST Block 00 PART OF LOT 5A BEG AT A PT ON THE SOUTH LINE OF LOT 5A THAT	BROWN, SCOTT C & MCCORMICK, PAMELA R	2520 LARSON RD	2.49	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-63-00-050	38	138	80	MEADOW VIEW SECOND Block 00 AUDITOR'S LOT B OF LOT 5 IRR PLAT 777090; 780227	JOHNSON, MELANIE & PATRICK	1600 LARSON RD	3.25	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-63-00-055	38	138	80	MEADOW VIEW SECOND Block 00 AUDITOR'S LOT A OF LOT 5 IRR PLAT 777090; 798763	JOHNSON, GARY N & CAROL V	2925 SMOKEY LN	2.03	0.00%	\$0.00	\$943.40	\$943.40
38-138-80-33-07-031	38	138	80	FOX ISLAND Block 07 TRACT A OF LOT 3 702876	BENDER, BRENT D & >		0.27	0.00%	\$0.00	\$0.00	\$0.00
38-138-80-33-07-030	38	138	80	FOX ISLAND Block 07 TRACT B REPLAT OF L3 574399	AHNEMAN, JONATHAN & KERI	1740 FAR WEST DR	2.17	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-02-071	38	138	80	FOX ISLAND SECOND Block 02 LOT 7A OF LOT 7 758031	GOVIG, PAUL & KRENZ, JULIE	3456 GALLATIN DR	1.952	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-34-02-080	38	138	80	FOX ISLAND SECOND Block 02 LOT 8 541866	BURLEIGH COUNTY		1.55	0.00%	\$0.00	\$0.00	\$0.00
38-138-80-34-02-070	38	138	80	FOX ISLAND SECOND Block 02 LOT 7 LESS LOT 7A 532265 532266	BOISE & TAVIS	3464 GALLATIN DR	11.518	0.00%	\$0.00	\$0.00	\$0.00
38-138-80-34-06-080	38	138	80	FOX ISLAND SECOND Block 06 LOT 8 & 9 766733	SHILLINGSTAD, JASON	3127 GALLATIN DR	3.9	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-66-05-010	38	138	80	MILLS SECOND Block 05 AUDITOR'S LOT 1A OF LOT 1 IRR PLAT 790306; 692703	HUTCHENS, THOMAS P & KATHERINE		0.27	0.00%	\$0.00	\$0.00	\$0.00
38-138-80-66-05-011	38	138	80	MILLS SECOND Block 05 AUDITOR'S LOT 1B OF LOT 1 IRR PLAT 790306; 818932	ZIMMERMAN, GENE & LILLIAN		0.18	0.00%	\$0.00	\$0.00	\$0.00
38-138-80-66-05-012	38	138	80	MILLS SECOND Block 05 AUDITOR'S LOT 1C OF LOT 1 IRR PLAT 790306; 794364	HOFF, THOMAS & RITA		0.12	0.00%	\$0.00	\$0.00	\$0.00
38-138-80-65-00-052	38	138	80	MILLS FIRST Block 00 AUD LOT B OF LOT 4A; AUD LOT A OF LOT 2 OF LOT 5A; AUD LOTS	HERINGER, JOSEPH A & HEATHER A	2430 LARSON RD	2.06	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-07-01-010	38	138	80	MILLS 1ST SUB 2ND REPLAT Block 01 LOT 1 788390	NESS, SARA & DOUGLAS	2450 LARSON RD	1.65	100.00%	\$2,846.93	\$943.40	\$3,790.33
38-138-80-65-00-040	38	138	80	MILLS FIRST Block 00 AUDITOR'S LOT 1 OF LOT 4A; AUDITOR'S LOT A OF LOT 4A; AUDITO	HERINGER, EVERETT E & CAROL A	2440 LARSON RD	2.8	100.00%	\$2,846.93	\$943.40	\$3,790.33

Total Lots within Assessment District	121
Exempt - County Parcels	6
Exempt - Unbuildable	8
Private 11+ acre parcel - Undevelopable	1
Assessable Parcels	106

Parcels connented to other properties with residences

Total Lots Assessed	61
	South of Larson Road - Full Assessment
	45 North of Larson Road and West of Tavis Road - O&M Only
	106
Total Project Implemenation Cost	\$3,918,018.95
Cost less (Legislative/Linclon Township)	\$173,662.95
Total Assessment Per Lot (61 Lots)	\$2,846.93
O&M Cost	\$100,000.00
O&M Assessment Per Lot	\$943.40



APPENDIX F

FOX ISLAND FLOOD CONTROL FEASIBILITY ASSESSMENT FEBRUARY 19, 2014 (included by reference only)





APPENDIX G

FUNDING DOCUMENTATION





Burleigh County Water Resource District

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

November 10, 2015

Todd Sando, PE
North Dakota State Engineer
North Dakota State Water Commission
900 East Boulevard Avenue
Bismarck, ND 58505-0850

Re: Fox Island Flood Control Project, Burleigh County

Dear Todd:

The Burleigh County Water Resource District (BCWRD) is proceeding with developing the Fox Island Flood Control Project in cooperation with Lincoln Township, an unincorporated township represented by the Burleigh County Commission. This project has progressed through the development process from its beginning after the record 2009 ice jam event, and expanded after the historic 2011 Missouri River flood. The following is a summary illustrating the project's history, along with project overview maps.

1. The Fox Island Flood Control Project was initiated by a petition from flooded residents following the 2009 Missouri River ice jam. The project was evaluated by the BCWRD and a draft preliminary engineering report was being prepared, with cost share assistance through the North Dakota State Water Commission (NDSWC), when the 2011 Missouri River flood occurred.
2. The 2011 Missouri River Flood reset the evaluation process and the resulting flood protection scope and mission was expanded. In 2012 the BCWRD in consultation and discussion with the Burleigh County Highway Department evaluated a greater protection area. It now included the Harbor Drive area north of Mills Avenue and rural residential development around the perimeter of the island along the river and oxbow. The selected county-wide flood protection criteria is based on a control elevation 0.7 feet above the actual 2011 flood elevation.
3. After extensive evaluation, discussion and public informational meetings the Harbor Drive residents, those residents located along the river and on the south side of the island along the oxbow petitioned the BCWRD to be removed from the project. Their principal concerns were related to property impacts (e.g., tree removal, grading, aesthetics, etc.), as well as costs, individual apathy, and blaming the USACE for the flood. Subsequently, the BCWRD removed these properties from further project consideration, notifying them it was their decision not to be provided protection.
4. The *Fox Island Flood Control Feasibility Assessment, February 19, 2014* contained a review of the 2009 and 2011 flood events, their impacts and the alternative protection measures considered based on known risks and public input from the benefited residents.

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

Todd Sando, PE, North Dakota State Engineer
North Dakota State Water Commission
Re: Fox Island Flood Control Project
November 10, 2015
Page -2-

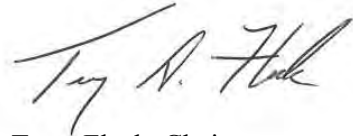
5. In 2013 the City of Bismarck (City) completed grade raises on Riverwood Drive and Mills Avenue to protect the City. These projects also provided flood protection against flows through the Fox Island area. The County designed and constructed the Tavis Road pump station and flood control gates, with funding assistance from the City and NDSWC. During this project development Burleigh County committed to the City that they would close the flood control gap between Tavis Road and Mills Avenue. This closure provides protection for the City's sewage treatment plant and a limited number of residences on Fox Island.
6. On November 18, 2013 the Burleigh County Highway Department requested the Burleigh County Commission defer on their commitment to the Fox Island Project until 2017, due to limited Township funding. Subsequently, following the allocation of legislative funding for the project, the BCWRD requested the Burleigh County Commission formally recommit to funding in 2017. This will facilitate project implementation during the 2015-2017 biennium, and to assist the County in meeting their commitment to the City and some Fox Island residents.
7. The expanded Fox Island Flood Control Project will provide flood protection against another 2009 level ice jam event or a 2011 flood to 116 rural residential properties. It will also provide the necessary corridor and easements for greater emergency flood protection, should that be necessary. The Fox Island Homeowners Association, who represent the largest constituency on the island, recently renewed its project support.
8. The residential damages occurring from the 2009 ice jam event were just over \$1 million. The temporary flood protection measures during the 2011 event costing over \$1.3 Million, which does not include damages to residential structures.
9. The BCWRD has established the following development schedule for the project:
 - a. County Commission commitment on behalf of Lincoln Township
 - i. \$920,456 - Authorized October 19, 2015
 - b. Request appropriated legislative funding – November 10th
 - c. Public Informational Meeting (December 2015/January 2016)
 - i. Update residents on allocated funding, costs, vote and implementation timeline
 - ii. Prepare assessment district summary
 - d. Public Hearing and Assessment District Vote (Early 2016)
 - e. After a favorable project vote
 - i. Survey/Easements and Design – Spring and Summer 2016
 - ii. Advertisement for Bids – Fall 2016
 - iii. Construction – Spring 2017

It is our understanding the funding allocated by the North Dakota Legislature in HB 2020 for the Fox Island Flood Control Project is available to the BCWRD on request. Therefore, we are requesting the release of the \$2.8 Million for this project. The BCWRD will be placing these funds into a separate project account and will upon project completion, or as requested, provide an accounting for the use of these funds. The current projected cost for the project is approximately \$3.8 Million.

Todd Sando, PE, North Dakota State Engineer
North Dakota State Water Commission
Re: Fox Island Flood Control Project
November 10, 2015
Page -3-

Since 2009 the BCWRD has invested over \$127,000 on developing this project and has received approximately \$22,475 in state cost share funding. If requested, we will provide updates on project status and expenditures as the design, bidding and construction occurs.

Respectfully,

A handwritten signature in black ink, appearing to read "Terry N. Fleck". The signature is fluid and cursive, with the first name "Terry" and last name "Fleck" clearly distinguishable.

Terry Fleck, Chairman

Enclosures

Cc: Doug Schonert, Chairman Burleigh County Commission – Letter Only
Marcus Hall, Burleigh County Highway Department – Letter Only
Representative Diane Larson, Bismarck – Letter Only
Don Roloff, President Fox Island Homeowners Association, Letter Only
Kathleen Jones, Burleigh County Commissioner – Letter Only
BCWRD Board Members – Letter Only



Burleigh County Water Resource District

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

Fox Island Flood Control Project Water Topics Policy Committee Briefing Document

The Burleigh County Water Resource District (BCWRD) is proceeding with developing the Fox Island Flood Control Project in cooperation with Lincoln Township, an unincorporated township represented by the Burleigh County Commission. This project has progressed through the development process from its beginning after the record 2009 ice jam event, and expanded after the historic 2011 Missouri River flood. The following is a summary illustrating the project's history, along with project overview maps.

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Current Board Members:

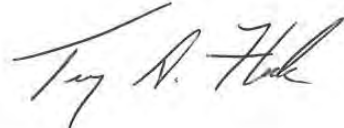
Terry Fleck, Chairman, Bismarck 223-9768 Dennis Reep, Vice Chairman, Bismarck 557-9621 Gordon Weixel, Secretary/Treasurer, Bismarck 258-5390

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

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 - e. After a favorable project vote
 - i. Survey/Easements and Design – Spring and Summer 2016
 - ii. Advertisement for Bids – Fall 2016
 - iii. Construction – Spring 2017

The \$2.8 Million allocated by the North Dakota Legislature in HB 2020 will be formally requested for transfer by the BCWRD at their meeting on November 10th regular meeting. The BCWRD will place these funds into a separate project account and upon project completion, or as requested, will provide an accounting for use of these funds. It is our intent to provide updates on project status and expenditures as the BCWRD proceeds with design, bidding and construction. The current opinion of probable project cost is approximately \$3.8 Million. The final cost is dependent on market conditions in 2017.

Respectfully,



Terry Fleck, Chairman

Slides/Overview

- ✓ 2009 Ice Jam Flood - Missouri Aerial
- ✓ 2009 Ice Jam Flood - Fox Island Aerial
- ✓ 2011 Flood Extents without protection
- ✓ Project Feature and Flood Protection Area



Fox Island

2009 Ice Jam Flood Event



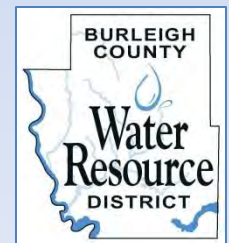
Date: 25MAR09
TOT: 13412
Location: South of Bismarck, ND
Latitude: N 46° 45.82' / Longitude: W 100° 50.91'
Object: Missouri River

Looking west over Fox Island



Unprotected Flood Limits Existing Conditions

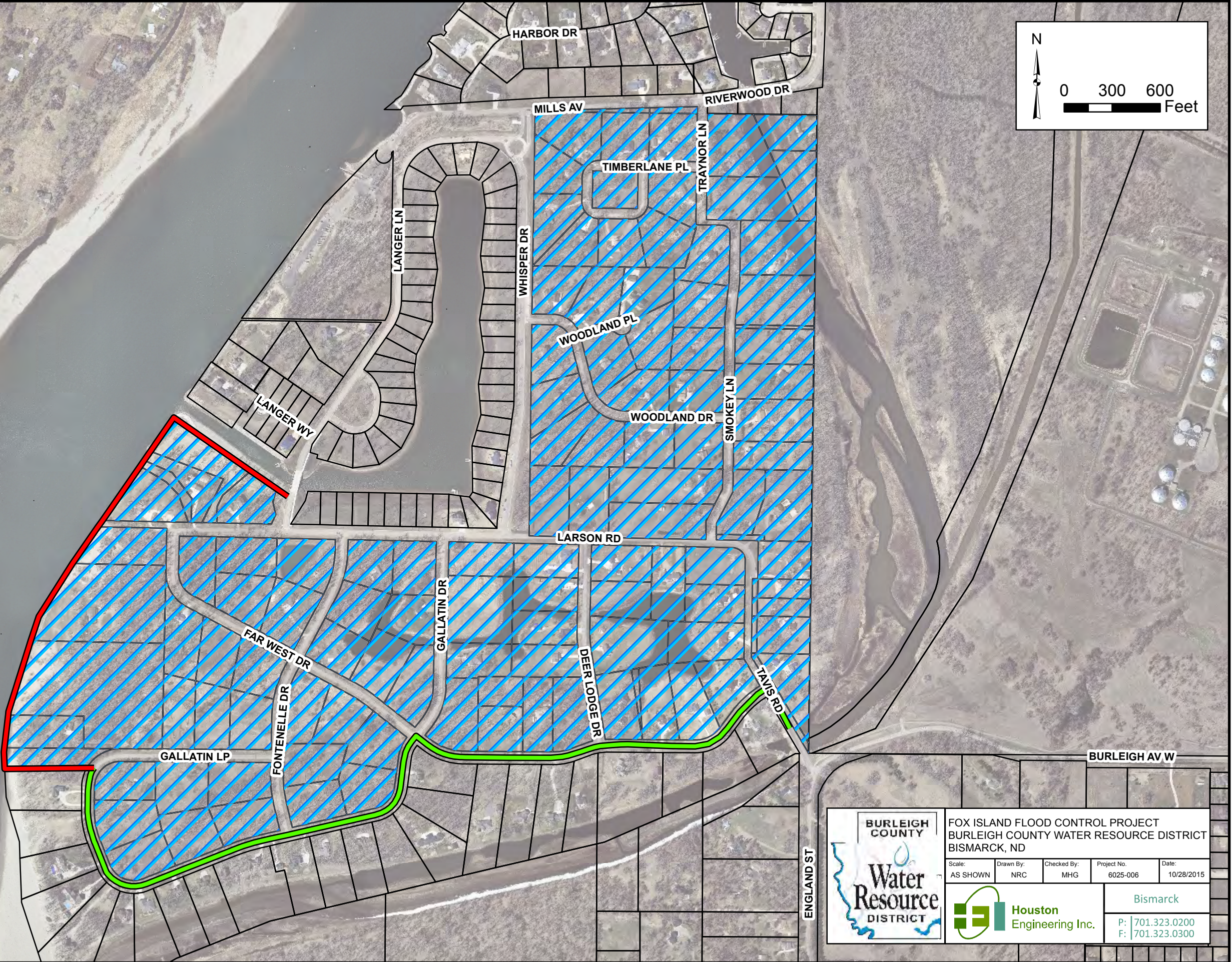
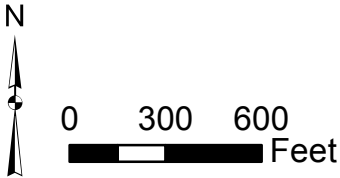
19.5 foot stage




Path: H:\Bismarck\UBN\6025 Burleigh Co. WPD\6025-006 Fox Island Flood Control\GIS\Maps\FINAL Fox Island Flood Control Project Overview.mxd


Legend

- Earthen Levee
- Grade Raise
- Protected Properties





BURLEIGH COUNTY
Water Resource DISTRICT

FOX ISLAND FLOOD CONTROL PROJECT BURLEIGH COUNTY WATER RESOURCE DISTRICT BISMARCK, ND				
Scale: AS SHOWN	Drawn By: NRC	Checked By: MHG	Project No. 6025-006	Date: 10/28/2015
 Houston Engineering Inc.			Bismarck	
			P: 701.323.0200 F: 701.323.0300	



BURLEIGH COUNTY HIGHWAY DEPARTMENT

2000 NORTH 52ND STREET
BISMARCK, ND 58501-7900
701-221-6870
FAX 701-221-6872
www.burleighco.com

Request for County Board Action

DATE: November 18, 2013

TO: Kevin Glatt
County Auditor

FROM: Marcus J. Hall
County Engineer

RE: Direct County officials on how to proceed with the Burleigh County Water Resource District (BCWRD) request for funding of the Fox Island project.

Please include the following item in the November 18, 2013 Burleigh County Board packet.

ACTION REQUESTED:

Direct the proper County officials on how to answer the Burleigh County Water Resource District (BCWRD) request for funding of the Fox Island project.

BACKGROUND:

The summer flooding of 2011 exposed many residents of the Burleigh County area to extensive flood damage. In order to mitigate this damage in the future, Burleigh County staff and the BCWRD have developed a Master Plan for flood protection for the area. The Plan includes the construction of levees, the raising of road grades, and the installation of control structures to protect and provide access to area residents.

Flood protection project # 21 includes the construction of a levee around the south edge of Fox Island. In the time since the adoption of the Master Plan, the BCWRD has worked with the residents of the area in developing a plan that would work with the residents' needs. This plan has resulted in the attached BCWRD request to Lincoln Township. In summarizing the request, BCWRD is asking that Lincoln Township commit \$920,456 to this project. The exact extent of this project will be up to a vote of the residents of the area; however, this request limits the Township expenditure to the minimum required to raise both Tavis and Larson Roads to 20'. It is important to note that on several occasions Burleigh County has committed to protecting the residents of south Bismarck and the Bismarck Waste Water Treatment Plant to 20 ft. To date a project still needs to be defined and planned to meet this commitment.

Nevertheless, the Township Board also needs to take into account their current township fiscal condition. Currently, the township has a usable balance of \$455,000 but they are also already committed to over \$760,000 in projects on the Tavis Road Pump station and the grade raise on 48th Avenue and Washington Street. With this in mind, the Township will be in the red by the end of next year. Under current cash flow projections we should be back in the black by sometime in 2015 and be able to start funding this project by 2017.

Therefore, it is the Highway Department's recommendation that we reject any financial commitment for this project until 2017. If residents wish to proceed with one of the prescribed options they may do so, but the funding would need to be done by a special assessment district and State Water Commission funding.

In order to meet our previous obligation to south Bismarck residents and the protection of the Waste Water Treatment Plant, the Highway Department will develop an action plan that will include the temporary raising of both Tavis and Larson Roads when needed.

RECOMMENDATION:

It is recommended the Board review the attached request and advise the Highway Department on how to proceed.