

Technical Advisory Group Recommendation

Meeting Date: 09/19/2017

RECOMMENDATION FOR ACTION:

The Technical Advisory Group has reviewed and recommends approval of the following Contract Action(s).

SUMMARY OF CONTRACTING ACTION:

Per the contract review and approval procedures that were adopted by the Diversion Authority on November 10, 2016, the Owner’s Program Management Consultant (PMC) or Engineer of Record (EOR) shall submit a construction Change Order request to the Technical Advisory Group. The Technical Advisory Group shall review the Change Order request during its next regular meeting after receiving the Change Order request, and make a recommendation as to approval or denial of the Change Order request.

The Owner’s Representative has reviewed and recommends the following Contract Action(s):

Description	Budget Estimate (\$)
WP-28A: Riley Brothers, Inc.	
<i>Change Order #1</i>	31,155.84
<ul style="list-style-type: none"> Incorporate WCD-01, topsoil stockpile relocation Add culvert 	

Summary of Contracting History and Current Contract Action:

The MFDA awarded the WP-28A construction contract to Riley Brothers, Inc. on July 14, 2017 and construction work has begun.

The WP-28A project site is adjacent to the USACE Diversion Inlet Control Structure construction project (WP26). Temporary construction limits are overlapping between the projects and the USACE contractor’s stockpiled topsoil needed to be relocated to construct the roadway. Direction was giving to Riley Brothers, Inc. via Work Change Directive (WCD) 01 to relocate the topsoil stockpile. This change order incorporates relocation of the topsoil stockpile into the Contract and adds a 54-inch culvert to address drainage concerns.

Below is a summary of contracting history to date along with the current contracting action, Change Order 1.

Original Agreement or Amendment	Previous Project Cost	Budget (\$) Change	Revised Project Cost	Project Start	Project Completion	Comments
Original Contract	0.00	0.00	3,176,953.92	7-Aug-17	27-Jul-18	Contract Award to Riley Brothers.
Change Order No. 1	3,176,953.92	31,155.84	3,208,109.76	7-Aug-17	27-Jul-18	Incorporate WCD-01, add culvert, adjust unit price quantities

Change Order No. 1 Discussion:

The PMC reviewed the proposed change order and a summary of that review is listed below. Change Order No. 1 adds the following changes for an increase of \$31,155.84 to the Contract Price and 0 days to the Contract Time. The Change Order consists of the following items:

1. Moving of topsoil material:

WCD-01 authorized the Contractor to relocate the topsoil stockpile that was placed on adjoining construction limits and was not shown on the Plans. The USACE and their contractor, Ames Construction, concur with the proposed work. See attached WCD-01 and draft Change Order 1 for a detailed description of the work. The attached draft Change Order 1 Unit Price Schedule shows the price increase of \$9,500.

- a. This change item incorporates WCD-01, relocate the topsoil stockpile.
- b. The schedule change associated with this change item is 0 days.
- c. The PMC has reviewed this change requests and recommends approval.

2. Drainage Modifications:

Adjacent landowners have expressed concern over the local drainage prior to the construction of the diversion channel. The drainage plan was reviewed and it meets current NDDOT Stream Water Crossing design standards. However, to match the end area of the upstream drainage structures and ease landowner concern, a second 54" culvert will be installed at Sta 401+19. In addition, the existing culverts north and south of County Road 16, crossing 57th St S will be left in place. These changes will be paid for at the unit prices bid for "202-0174, Removal of Pipe All Types and Sizes" (decrease) and "Pipe Conduit 54IN" (increase). The total cost for drainage modifications is \$21,655.84.

- a. This change item incorporates the cost to add a second 54" culvert.
- b. The schedule change associated with this change item is 0 days.
- c. The PMC has reviewed this change requests and recommends approval.

This change amount of \$31,155.84 is included in the FY-2017 MFDA budget. The PMC reviewed this task order and found it to be acceptable.

ATTACHMENT(S):

- 1. Draft Change Order 1 with Unit Price Schedule
- 2. Revised Plans
- 3. Work Change Directive 01

Submitted by:

John W. Glatzmaier

 John Glatzmaier
 CH2M
 Metro Flood Diversion Project

September 14, 2017

 Date

 Nathan Boerboom, Diversion Authority Project
 Manager
 Concur: September 15, 2017 Non-Concur: _____

 Robert Zimmerman, Moorhead City Engineer
 Concur: September 15, 2017 Non-Concur _____

 Mark Bittner, Fargo Director of Engineering
 Concur: September 19, 2017 Non-Concur: _____

 Jason Benson, Cass County Engineer
 Concur: September 15, 2017 Non-Concur _____

 David Overbo, Clay County Engineer
 Concur: September 14, 2017 Non-Concur: _____

 Jeff Ebsch, Assistant Cass County Engineer, Diversion
 Authority Project Manager
 Concur: September 14, 2017 Non-Concur _____



Change Order No. 01

Date of Issuance: 9/28/17 Effective Date: 9/28/17
 Owner: Metro Flood Diversion Authority Owner's Contract No.: WP-28A
 Owner's Representative: CH2M HILL Engineers, Inc. Owner's Representative Project No.: _____
 Contractor: Riley Brothers, Inc. Contractor's Project No.: _____
 Engineer: Houston-Moore Group, LLC Work Package No.: WP-28A
 Project: Fargo-Moorhead Area Diversion Contract Name: Cass County Road 16 & 17 Realignment

The Contract is modified as follows upon execution of this Change Order:

Description:

1. Relocation of Topsoil Berm

An existing topsoil berm was placed in the WP-28A construction limits of the proposed roadway alignment by the adjoining USACE Diversion Inlet Structure Project Contractor, Ames Construction, and needed to be relocated. The USACE and their contractor, Ames Construction, concur with the proposed work. The work includes: remove, salvage and reconstruct existing topsoil berm located along the south property line from Sta 371+95 to Sta 389+30 to match existing windrow. Windrow to be relocated approximately 30-feet southeast of the existing location. Construct the relocated berm at the location depicted in the provided sheet. The estimated volume of existing topsoil is 2,000 CY. The berm will be shaped similarly to existing dimensions and slope, and seeded with a temporary cover crop for erosion control compliance. The negotiated lump sum price for said work is \$9,500.00. The attached Change Order 1 Unit Price Schedule, item "203-0100, Topsoil" shows the price increase. There is no schedule change associated with this change item. This work was authorized in Work Change Directive 01, attached.

2. Drainage Modifications

Adjacent landowners have expressed concern over the local drainage prior to the construction of the diversion channel. The drainage plan was reviewed and it meets current NDDOT Stream Water Crossing design standards. However, to match the end area of the upstream drainage structures and ease landowner concern, a second 54" culvert will be installed at Sta 401+19. In addition, the existing culverts north and south of County Road 16, crossing 57th St S will be left in place. These changes will be paid for at the unit prices bid for "202-0174, Removal of Pipe All Types and Sizes" and "714-4130 Pipe Conduit 54IN". The total cost for the drainage modifications is \$21,655.84. There is no schedule change associated with this change item.

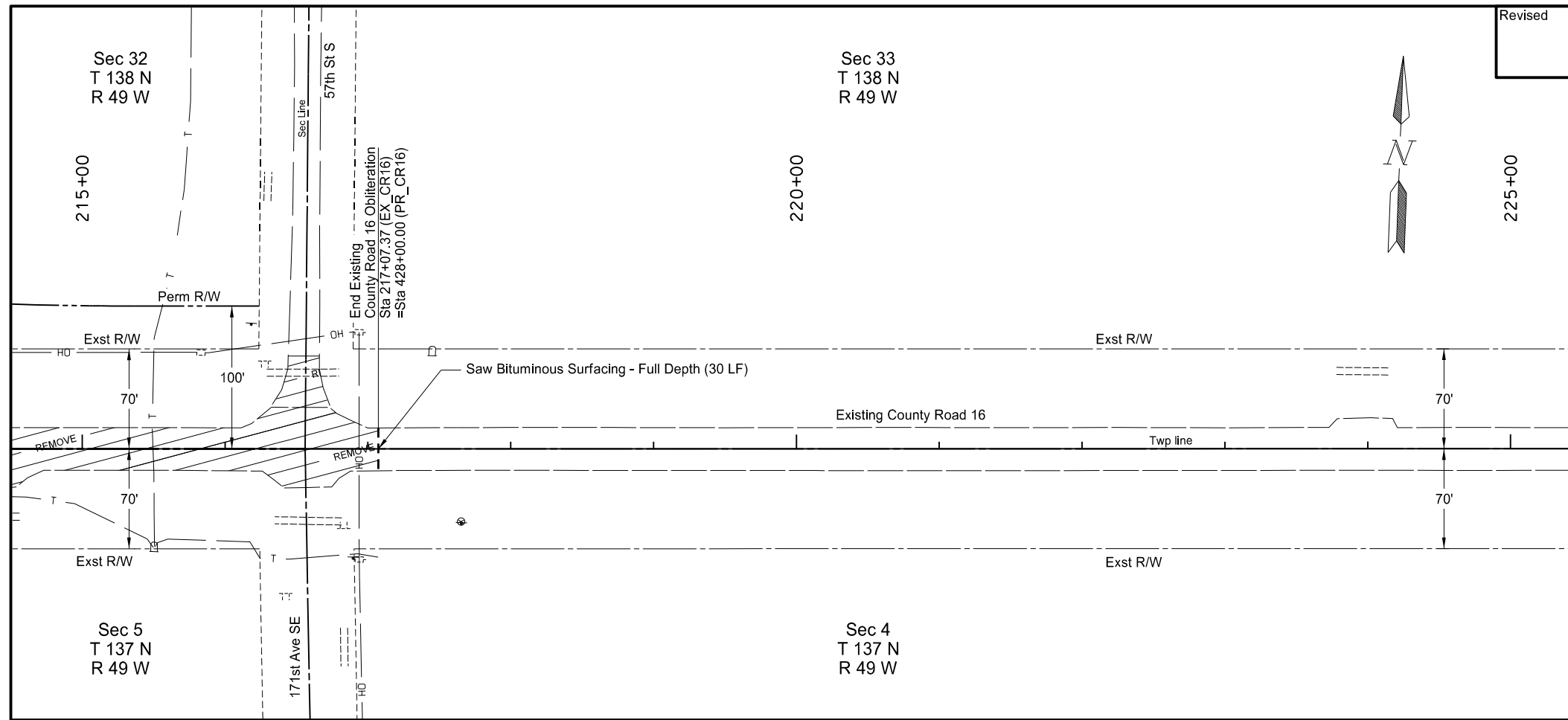
Attachments:

Change Order 1 Unit Price Schedule
 Plan Sheets
 Work Change Directive 01

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES <i>[note changes in Milestones if applicable]</i>
Original Contract Price: \$3,176,953.92	Original Contract Times: Interim Completion: <u>November 1, 2017</u> Substantial Completion: <u>July 13, 2018</u> Final Completion: <u>July 27, 2018</u>
[Increase] [Decrease] from previously approved Change Orders No.: N/A \$0	[Increase] [Decrease] from previously approved Change Orders No. : Interim Completion: <u>November 1, 2017</u> Substantial Completion: <u>July 13, 2018</u> Final Completion: <u>July 27, 2018</u>
Contract Price prior to this Change Order: \$3,176,953.92	Contract Times prior to this Change Order: Interim Completion: <u>November 1, 2017</u> Substantial Completion: <u>July 13, 2018</u> Final Completion: <u>July 27, 2018</u>
[Increase] [Decrease] of this Change Order: \$31,155.84	[Increase] [Decrease] of this Change Order: Interim Completion: <u>November 1, 2017</u> Substantial Completion: <u>July 13, 2018</u> Final Completion: <u>July 27, 2018</u>
Contract Price incorporating this Change Order: \$3,208,109.76	Contract Times with all approved Change Orders: Interim Completion: <u>November 1, 2017</u> Substantial Completion: <u>July 13, 2018</u> Final Completion: <u>July 27, 2018</u>

<p>RECOMMENDED:</p> <p>By: _____ Owner's Project Manager (Authorized Signature)</p> <p>Name: <u>Jeffrey Ebsch</u> Title: <u>Assist. Cass County Eng.</u> Date: _____</p>	<p>ACCEPTED:</p> <p>By: _____ Owner (Authorized Signature)</p> <p>Name: <u>Robert W. Wilson</u> Title: <u>Co-Executive Director</u> Date: _____</p>	<p>ACCEPTED:</p> <p>By: _____ Contractor (Authorized Signature)</p> <p>Name: <u>Larry Swan</u> Title: <u>Project Manager</u> Date: _____</p>
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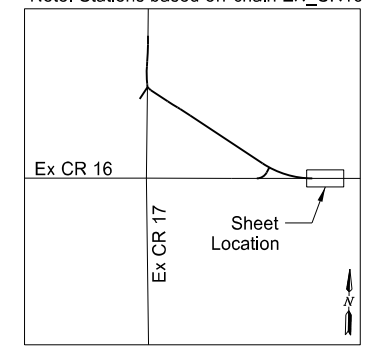
Revised	9/14/17	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
		ND	WP-28A	40	4



Item	Description	Quantity	Unit
203-0180	ROADWAY OBLITERATION Sta 215+00 to Sta 217+07.37	207	LF

 ROADWAY OBLITERATION

*Note: Stations based off chain EX_CR16



This document was originally issued and sealed by
Adam M. Ruud
Registration Number
PE-10407,
on 09/14/17 and the original document is stored at
CH2M Hill

FMM Diversion
Existing County Road 16
Removals
Sta 215+00 to Sta 217+07.37

Begin Station / Location	Begin Offset	End Station / Location	End Offset	Pipe Installation (Pay Item)			Allowable Material	Required Diameter	Steel Pipe Coatings	Steel Pipe Corrugations or Spiral Ribs	Steel Pipe Minimum Thickness	(*) End Sections	
				In	Bid Item	LF						Begin	End
				In								EA	EA
396+68 (Pr CR16)	57' Lt	397+32 (Pr CR16)	57' Lt	24"	Pipe Conduit - Approach	64'	Corrugated Steel Pipe	24"	Z, A, P	2, 3/4, 1	0.079	FES	FES
396+71 (Pr CR16)	56' Rt	397+29 (Pr CR16)	56' Rt	30"	Pipe Conduit - Approach	58'	Corrugated Steel Pipe	30"	Z, A, P	2, 3/4, 1	0.079	FES	FES
400+80 (Pr CR16)	43' Lt	401+39 (Pr CR16)	48' Rt	54"	Pipe Conduit	108'	Reinforced Concrete Pipe	54"				FES	FES
400+87 (Pr CR16)	48' Lt	401+47 (Pr CR16)	43' Rt	54"	Pipe Conduit	108'	Reinforced Concrete Pipe	54"				FES	FES
411+91 (Pr CR16)	57' Rt	412+71 (Pr CR16)	57' Rt	24"	Pipe Conduit	80'	Reinforced Concrete Pipe	24"				FES	FES
412+02 (Pr CR16)	50' Lt	412+62 (Pr CR16)	50' Lt	24"	Pipe Conduit - Approach	60'	Corrugated Steel Pipe	24"	Z, A, P	2, 3/4, 1	0.079	FES	FES
425+04 (Pr CR16)	47' Rt	425+58 (Pr CR16)	47' Rt	24"	Pipe Conduit - Approach	54'	Corrugated Steel Pipe	24"	Z, A, P	2, 3/4, 1	0.079	FES	FES
87+48 (Pr CR17N)	48' Rt	88+07 (Pr CR17N)	46' Rt	24"	Pipe Conduit - Approach	58'	Corrugated Steel Pipe	24"	Z, A, P	2, 3/4, 1	0.079	FES	FES
91+86 (Pr CR17N)	50' Lt	92+34 (Pr CR17N)	50' Lt	30"	Pipe Conduit - Approach	48'	Corrugated Steel Pipe	30"	Z, A, P	2, 3/4, 1	0.079	FES	FES
92+61 (Pr CR17N)	50' Rt	93+09 (Pr CR17N)	50' Rt	24"	Pipe Conduit - Approach	46'	Corrugated Steel Pipe	24"	Z, A, P	2, 3/4, 1	0.079	FES	FES
1204+30 (CR16Inc)	19' Rt	1204+30 (CR16Inc)	40' Rt	24"	Pipe Conduit	20'	Reinforced Concrete Pipe	24"				Inlet Mountable Curb-Type B	FES

Coatings: Z = Zinc

A = Aluminum

P = Polymeric (over Zinc or Aluminum)

Corrugations: 2 = 2-2/3"x1/2"

3 = 3"x1"

5 = 5"x1"

Spiral Ribs: 3/4 = 3/4"x3/4"@7-1/2"

1 = 3/4"x1"@11-1/2"

(*) The price bid for "Pipe Conduit" bid items includes end sections. Pipe Extensions shall pay for end sections separately.

FES = Flared End Section

TES = Traversable End Section

Inlet No. 1	
Inlet Mountable Curb-Type B	
Grate Style	
CR16Inc - Sta 1204+30 - 19' Rt	
Grate Elev	920.92
Base Elev	916.42
Invert Elev	916.45
"H" Dist.	4.50'
24IN RCP NE	916.45

This document was originally issued and sealed by Adam M. Ruud Registration Number PE- 10407, on 09/14/17 and the original document is stored at CH2M Hill

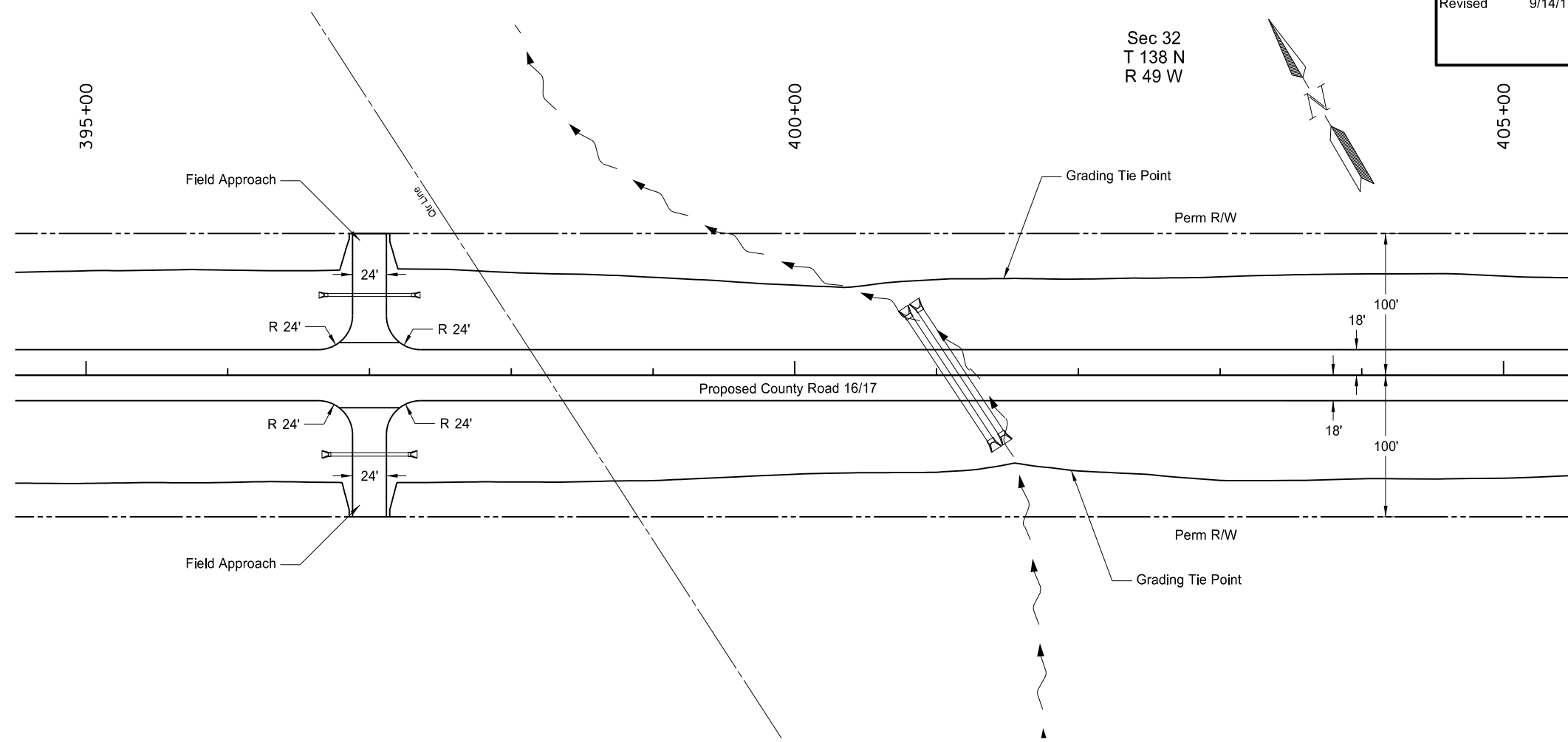
Allowable Pipe List

County Road 16/17 Roundabout

Revised 9/14/17

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	WP-28A	60	14

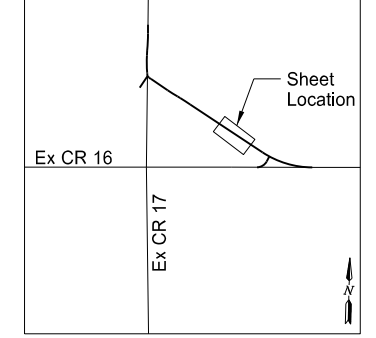
Sec 32
T 138 N
R 49 W



Item	Description	Quantity	Unit
302-0100	SALVAGED BASE COURSE Sta 395+00.00 to Sta 405+00.00	2,741	TON
401-0050	TACK COAT Sta 395+00.00 to Sta 405+00.00	502	GAL
430-0042	SUPERPAVE FAA 42 Sta 395+00.00 to Sta 405+00.00	1,760	TON
430-5828	PG 58-28 ASPHALT CEMENT Sta 395+00.00 to Sta 405+00.00	106	TON
714-4106	PIPE CONDUIT 24IN-APPROACH Sta 397+00.00 Lt	64	LF
714-4113	PIPE CONDUIT 30IN-APPROACH Sta 397+00.00 Rt	58	LF
714-4130	PIPE CONDUIT 54IN Sta 401+08.00 C Sta 401+19.00 C	108 108	LF LF
	Total	216	LF

Station	Proposed Pavement @ Pr Co. Rd 16	Top of Existing Ground @ Pr Co. Rd 16/17	Proposed Ditch Bottom Lt	Proposed Ditch Bottom Rt
935				
930				
925				
920	-0.0420 %			
915				
910	0.0600 % RT 0.0800 % LT			
905				
900				
	915.29 919.88 911.74 911.69	915.05 919.84 911.66 911.63	915.00 919.79 911.58 911.57	914.88 919.75 911.50 911.51
	914.23 919.71 911.42 911.45	912.95 919.67 911.34 911.39	912.01 919.62 911.29 911.33	912.70 919.55 911.35 911.33
	914.21 919.46 911.39 911.38	914.57 919.37 911.44 911.43	914.45 919.28 911.50 911.48	
	395+00	396+00	397+00	398+00
				399+00
				400+00
				401+00
				402+00
				403+00
				404+00
				405+00

*Note: Stations based off chain Pr_CR16



This document was originally issued and sealed by Adam M. Ruud Registration Number PE-10407, on 09/14/17 and the original document is stored at CH2M Hill

FMM Diversion
Proposed County Road 16
Plan & Profile
Sta. 395+00 to Sta. 405+00



WORK CHANGE DIRECTIVE

01

TO: Riley Bros, Inc. PROJECT NO.: WP-28A
 PROJECT: Cass County Road 16 & 17 Realignment
 OWNER: Metro Flood Diversion Authority
 ENGINEER: Houston Moore Group
 OWNER'S REPRESENTATIVE: CH2M

DESCRIPTION OF WORK:

The work includes: remove, salvage and reconstruct existing topsoil berm located along the south property line from Sta 371+95 to Sta 389+30 to match existing windrow. Windrow to be relocated approximately 30-feet southeast of the existing location. Construct the relocated berm at the location depicted in the provided sheet. The estimated volume of existing topsoil is 2,000 CY. The berm will be shaped similarly to existing dimensions and slope, and seeded with a temporary cover crop for erosion control compliance. The negotiated lump sum price for said work is \$9,500.00.

REASON FOR CHANGE(S):

1. An existing topsoil berm was placed in the WP-28A construction limits of proposed roadway alignment by adjoining USACE Diversion Inlet Structure Project Contractor, Ames Construction, and will need to be relocated.
 - a. USACE and their Contractor, Ames Construction, concur with the proposed work.

ATTACHMENTS (List Supporting Documents):

1. Sheet 1 - Ames Topsoil Berm Limits

DESIGN IMPACT (List Impacts):

Is the described change outside of the design parameters? Yes / No

If yes, DOR and USACE signoff are required and documented below:

<u>Adam Ruud P.E.</u> Designer of Record	<u> </u> Date	<u>[Name]</u> USACE PM	<u> </u> Date
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It is understood that this Work Change Directive will not change the Contract Price or Times, but is evidence that the parties expect a Change Order to be subsequently issued reflecting the changes.

Recommended by: <u>Jeffrey L. Ebsch</u> Owner's Representative	Ordered by: <u>Robert W. Wilson - Co-Executive Director</u> Owner
<u> </u> <u>Jeffrey Ebsch</u> Assistant Cass County Engineer	<u> </u> <u>Robert W. Wilson</u> Co-Executive Director
<u>8/31/2017</u> Date	<u>9/1/17</u> Date

- Copy: Owner
 Designer of Record
 USACE
 Owner's Representative



211 Ninth Street South, Box 2806, Fargo, ND 58108-2806
Phone 701-241-5600 Fax 701-241-5728

Memorandum: Authorization of WP-43CD Construction Work Change Directive WCD-01 by Co-Executive Directors

PREPARED FOR: Tony Grindberg, Flood Diversion Finance Committee Chair
Tim Mahoney, Flood Diversion Board of Authority Chair

COPY TO: Technical Advisory Group

PREPARED BY: Michael J. Redlinger, Fargo Assistant City Administrator, Flood Diversion Co-Executive Director
Robert W. Wilson, Cass County Administrator, Flood Diversion Co-Executive Director

DATE: September 22, 2017

On November 10, 2016, the Flood Diversion Board of Authority approved the document "RESOLUTION CONFIRMING THE PROCEDURE FOR APPROVAL OF CONSTRUCTION CONTRACTS; CONTRACTS FOR ENGINEERING, ARCHITECTURAL, AND OTHER PROFESSIONAL SERVICES; AND CHANGE ORDERS AND AMENDMENTS".

Per these approved procedures, the Program Management Consultant (PMC) or Engineer Of Record (EOR) is directed to prepare Work Change Directives (WCDs) and submit them to Technical Advisory Group (TAG) for review. If the WCD changes the contract price, TAG shall submit it to the Co-Executive Directors for review, and then to Finance Committee and the Diversion Authority Board for approval.

But, if swift action is needed due to public safety concerns or to mitigate costs to the public and/or the Diversion Authority (Section 5.A), the Co-Executive Directors can act pursuant to the authority set forth in the approved procedures and make a good faith effort to contact the Diversion Authority Board Chair and the Finance Committee Chair prior to authorizing a contractor to proceed.

The PMC and EOR recommend swift approval by the Co-Executive Directors of this WCD to mitigate cost and schedule impacts to the project.

The TAG met on September 19, 2017 to review WP-43CD (OHB Ring Levee – Phases C and D) WCD-01 with an estimated cost change amount of \$285,000 for Meyer Consulting, Inc. TAG concurred with the recommendation.

This memorandum serves as notification to the Flood Diversion Finance Committee Chair and Flood Diversion Board of Authority Chair that the Co-Executive Directors concur with the recommendation and authorize Meyer Consulting, Inc. to proceed with WCD-01.

The Co-Executive Directors will report this action/decision for WCD-01 to the Finance Committee on September 27, 2017 and to the Diversion Authority Board on September 28, 2017 for formal approval.

City of Fargo
Tim Mahoney, *Chair*
Dave Piepkorn
Tony Grindberg

City of Moorhead
Del Rae Williams
Chuck Henderickson
Joel Paulsen

Cass County
Darrell Vanyo
Mary Scherling
Chad Peterson
Mike Thorstad
(City of West Fargo)

Clay County
Kevin Campbell
Grant Weyland

**Cass County Joint
Water Resource District**
Rodger Olson

Technical Advisory Group Recommendation

Meeting Date: 09/19/2017

RECOMMENDATION FOR ACTION:

The Technical Advisory Group has reviewed and recommends approval of the following Contract Action(s).

SUMMARY OF CONTRACTING ACTION:

Per the contract review and approval procedures that were adapted by the DA on Nov 10, 2016, the PMC or EOR is directed to prepare Work Change Directives (WCDs) and submit them to TAG for review. If the WCD changes the contract price, TAG shall submit it to the Co-Executive Directors for review, and then to Finance Committee and the DA board for approval. But, if swift action is needed due to public safety concerns or to mitigate costs to the public and/or the Diversion Authority (Section 5.A), the Co-Executive Directors can act pursuant to the authority set forth in the approved procedures and make a good faith effort to contact the Diversion Authority Board Chair and the Finance Committee Chair prior to authorizing a contractor to proceed. The PMC and EOR feel approval is needed by the Co-Executive Directors for this WCD to mitigate cost and schedule impacts to the project.

The Owner’s Representative has reviewed and recommends the following Contract Action(s):

Description	Budget Estimate (\$)
WP-28A: Meyer Contracting, Inc.	
<i>Work Change Directive No. 01</i>	\$285,000
<ul style="list-style-type: none"> • Add removal of unsuitable material (utility trenches, sand and organic matter) • Add additional traffic control, • Add additional excavation, and • Add installation of the Cass Rural Water casing and carrier pipe 	

Summary of Contracting History and Current Contract Action:

The MFDA awarded the WP-43CD (OHB Ring Levee – Phases C and D) construction contract to Meyer Contracting, Inc. on July 13, 2017.

Since the start of construction, several contract change items have been identified. Due to schedule considerations, an approval of WCD-01 is requested prior to the next MFDA board meeting.

Estimated quantities, agreed to unit prices, and cost proposals have been obtained, but final quantities and costs won’t be known until the work is completed. The total cost of the work in WCD-01 is estimated to be approximately \$270,000 to \$285,000. Once the final costs are established, this WCD will be incorporated into a future change order.

Below is a summary of contracting history to date along with the current contracting action.

Original Agreement or Amendment	Budget (\$) Change	Original Project Cost	Revised Project Cost	Project Start	Project Completion	Comments
Original Contract	\$0.00	\$10,339,476.21		09-Aug-17	31-Oct-18	Contract Award to Meyer Consulting, Inc.

Original Agreement or Amendment	Budget (\$) Change	Original Project Cost	Revised Project Cost	Project Start	Project Completion	Comments
Work Change Directive No. 1	\$285,000		\$10,624,476.21	09-Aug-17	31-Oct-18	Add: removal of unsuitable material, additional traffic control, additional excavation, and water line casing and carrier pipe. Final amount to be incorporated into a future change order.

Financial Considerations:

Attached for your review and action is WCD-01. This WCD includes:

1. Remove unsuitable material (utility trenches, sand and organic matter)
 - a. Removal of unsuitable soil material under the footprint of the levee due to remnant electrical, communication, sanitary/storm sewer, or water service lines from demolition contracts. Excavated material will be placed in Zone B backfill areas of the 43E.2.E demolition contract.
 - i. Work will be done on a time and material basis with an estimated time frame of 3-4 days with 2 scrapers and other misc. equipment. Meyer’s 2017 equipment rates are attached.
 - ii. The estimated cost of this work is approximately \$17,000.00.
 - iii. Suitable material will be imported to replace the unsuitable material that was removed.
 - iv. Removal of unsuitable material is required to meet levee construction design requirements.
 - b. Removal of unsuitable soil material under the footprint of the levee such as sand lenses, excessive organic material, etc. as determined by the geotechnical engineer during inspection trench construction. Unsuitable material will be placed in the spoil area of the golf course rough grade.
 - i. The estimated quantity to be removed is 3,000 CY at an agreed to rate of \$4.00/CY.
 - ii. The estimated cost of this work is approximately \$12,000.00.
 - iii. Suitable material will be imported to replace the unsuitable material that was removed.
 - iv. Removal of unsuitable material is required to meet levee construction design requirements.
2. Additional traffic control
 - a. Additional traffic control measures not included in the original Contract Bid Documents. This includes coverings of “Oxbow” wording on Exit 54 signs, adding post mounted signs along Main Avenue, adding skid mounts to existing signs along Main Avenue, add “slow down” signs just north of Bakke Subdivision as agreed to by Cass County Highway Engineers and Pleasant Township.
 - i. The estimated cost of additional traffic control measures is approximately \$4,000.00.
 - ii. Additional traffic control signs and sign covers were added along Interstate 29 to better direct traffic around project area.
3. Additional pond excavation
 - a. In order to better accommodate construction schedules of both Meyer Contracting and Landscapes Unlimited (the Oxbow Country Club (OCC) golf course contractor), it was negotiated that Meyer Contracting will excavate the remaining portion of the golf course pond near Oxbow

Drive. The excavated material will be placed in the spoil area of the golf course rough grade for Landscapes Unlimited to fine grade.

- i. The estimated quantity to be removed is 2,000 CY at an agreed to rate of \$4.00/CY.
- ii. The estimated cost of this work is approximately \$8,000.00.
- iii. This work has been removed from the OCC golf course contract.

4. Installation of the Cass Rural Water Users District (CRWD) casing and carrier pipe

- a. In order to minimize delay on the construction of the levee on the west side of County Road 81, the following portion of the CRWD utility relocation, under the footprint of the levee, will be furnished and installed by Meyer Contracting, Inc: 16-inch steel casing pipe and 8-inch fusible PVC pipe for the CRWD utility relocation under the levee near Station B125+25 on the west side of County Road 81. Work will also include installation of the cathodic protection and temporary connection to the existing 6-inch waterline.
 - i. Due to CRWD's scheduling, CRWD requested Meyer Contracting, Inc. to install the 16-inch casing pipe and 8-inch fusible PVC in order to minimize delay on the construction of the levee on the west side of County Road 81.
 - ii. This work has been removed from the CRWD utility relocation package (a separate contracting action request).
 - iii. The estimated cost of this work is approximately \$243,000.00.

The PMC and the EOR have reviewed WCD-01 and feel the proposed costs and level of effort are reasonable. This change amount of approximately \$285,000 is included within the FY-2017 MFDA budget.

ATTACHMENT(S):

- 1. Draft WCD-01

Submitted by:

John W. Glatzmaier

John Glatzmaier
CH2M
Metro Flood Diversion Project

September 19, 2017

Date

Nathan Boerboom, Diversion Authority Project
Manager

Concur: September 19, 2017 Non-Concur: _____

Robert Zimmerman, Moorhead City Engineer

Concur: September 19, 2017 Non-Concur _____

Mark Bittner, Fargo Director of Engineering

Concur: September 19, 2017 Non-Concur: _____

Jason Benson, Cass County Engineer

Concur: September 19, 2017 Non-Concur _____

David Overbo, Clay County Engineer

Concur: September 18, 2017 Non-Concur: _____

Jeff Ebsch, Assistant Cass County Engineer, Diversion
Authority Project Manager

Concur: September 19, 2017 Non-Concur _____

September 19, 2017

Date

Submitted by: Co-Executive Directors

Michael J. Redlinger
Fargo Assistant City Administrator

Concur: September 19, 2017 Non-Concur: _____

Robert W. Wilson
Cass County Administrator

Concur: September 19, 2017 Non-Concur _____

WORK CHANGE DIRECTIVE

01

TO: Meyer Contracting PROJECT NO.: WP-43CD
PROJECT: OHB Ring Levee – Phases C and D (Levee, Pump Station, Road and Utility Improvements)
OWNER: Metro Flood Diversion Authority
ENGINEER: Houston-Moore Group
OWNER’S REPRESENTATIVE: CH2M

DESCRIPTION OF WORK:

The work includes:

- 1 – Removal of unsuitable soil material under the footprint of the levee due to remant electrical, communication, sanitary/storm sewer, or water service lines from demolition contracts. Excavated material will be placed in Zone B backfill areas of the 43E.2.E demolition contract. Work will be done on a T & M basis with an estimated time frame of 3-4 days with 2 scrapers and other misc. equipment. 2017 equipment rates are attached to this WCD.
- 2 – Removal of unsuitable soil material under the footprint of the levee such as sand lenses, excessive organic material, etc. as determined by the geotechnical engineer during inspection trench construction. Unsuitable material will be placed in the spoil area of the golf course rough grade. Estimated quantity to be removed is 3,000 CY at a rate of \$4.00/CY.
- 3 – Additional traffic control measures not included in the original Contract Bid Documents. This included coverings of “Oxbow” wording on Exit 54 signs, adding post mounted signs along Main Avenue, adding skid mounts to existing signs along Main Avenue, add “slow down” signs just north of Bakke Subdivision as agreed to by Cass County Highway Engineers and Pleasant Township. Estimated cost of additional traffic control measures is \$3,885.00.
- 4 – OCC golf course excavation near Oxbow Drive and levee crossing. Excavated material will be placed in the spoil area of the golf course rough grade for LU to fine grade. Estimated quantity to be removed is 2,000 CY at a rate of \$4.00/CY.
- 5 – Installation of 16” steel casing pipe and 8” fusible PVC pipe for the Cass Rural Water utility relocation under the levee near Station B125+25 on the west side of County Road 81. Work will also include installation of the cathodic protection and temporary connection to the existing 6” waterline. Estimated cost to be \$242,908.08 as indicated in the September 14, 2017 Bid Proposal received from Meyer Contracting, Inc. (see attached).

REASON FOR CHANGE(S):

1. Due to remant electrical, communication, sanitary/storm sewer, or water service lines from the demolition contracts, Meyer needed to remove these utilities prior to constructing the levee.
2. Due to unsuitable material found during construction of the inspection trench, material was removed and suitable levee embankment material was installed.
3. Additional traffic control signs and sign covers were added along Interstate 29 to better direct traffic around project area.
4. In order to better accommodate construction schedules of both Meyer Contracting and Landscapes Unlimited, Meyer Contracting will excavate the remaining portion of the golf course pond near Oxbow Drive.

- Due to Cass Rural Water’s scheduling, Cass Rural Water requested Meyer Contracting, Inc. to install the 16” casing pipe and 8” fusible PVC in order to minimize delay on the construction of the levee on the west side of County Road 81.

ATTACHMENTS (List Supporting Documents):

- Meyer Contracting 2017 Equipment Rates (4 pages)
- Traffic Control Drawing updates (5 pages)
- Meyer Contracting September 14, 2017 Bid Proposal for CRW work (2 pages)

DESIGN IMPACT (List Impacts):

Is the described change outside of the design parameters? Yes / No

If yes, DOR and USACE signoff are required and documented below:

_____	_____	_____	_____
<i>Christopher Gross P.E.</i>	<i>Date</i>	<i>[Name]</i>	<i>Date</i>
<i>Designer of Record</i>		<i>USACE PM</i>	

It is understood that this Work Change Directive will not change the Contract Price or Times, but is evidence that the parties expect a Change Order to be subsequently issued reflecting the changes.

Recommended by:

Ordered by:

_____	_____
<i>Owner's Representative</i>	<i>Owner</i>

_____	_____	_____	_____
<i>Nathan Boerboom</i>	<i>Date</i>	<i>Michael J. Redlinger/Robert W. Wilson</i>	<i>Date</i>
<i>Engineer, City of Fargo</i>		<i>Co-Executive Director</i>	

- Copy:
- Owner
 - Designer of Record
 - USACE
 - Owner’s Representative

Meyer Contracting Equipment Rates

January 1, 2017 - December 31, 2017

Skid loaders/Multi-terrain loaders	T&M rate (w/op)
259 multi-terrain loader	\$123.00
259 multi-terrain loader w/jackhammer	\$142.00
259 multi-terrain loader w/auger	\$142.00
259 multi-terrain loader w/sweeper	\$142.00
259 multi-terrain loader w/silt fence plow	\$142.00
259 multi-terrain loader w/soil conditioner	\$142.00
259 multi-terrain loader w/angle blade	\$142.00
259 multi-terrain loader w/cold planer	\$142.00
259 multi-terrain loader w/tiller	\$142.00
259 multi-terrain loader w/brush mower	\$142.00
259 multi-terrain loader w/smooth drum compactor	\$142.00
279 multi-terrain loader	\$137.00
279 multi-terrain loader w/listed attachments above	\$156.00
262 skid loader	\$133.00
262 skid loader w/listed attachments above	\$152.00
Excavators	T&M rate (w/op)
PC35MR Komatsu excavator	\$127.00
KX161 Kubota excavator	\$127.00
KX161 Kubota excavator w/jackhammer	\$148.00
PC78MR Komatsu excavator	\$139.00
308E Caterpillar excavator	\$139.00
308E Caterpillar excavator w/jackhammer	\$195.00
308E Caterpillar excavator w/hydraulic compactor	\$193.00
EX160LC Hitachi excavator	\$144.00
PC200LC or PC228LC Komatsu excavator	\$192.00
PC200LC or PC228LC Komatsu excavator w/jackhammer	\$223.00
PC200LC or PC228LC Komatsu excavator w/hydraulic compactor	\$223.00
PC200LC or PC228LC Komatsu excavator w/compaction wheel	\$213.00
PC200LC Komatsu excavator w/helical anchor drill	\$215.00
PC228LC Komatsu excavator w/ripper tooth	\$204.00
790D John Deere excavator	\$191.00
336EL Caterpillar excavator	\$221.00
336EL Caterpillar excavator w/ripper tooth	\$232.00
336EL Caterpillar excavator w/compaction wheel	\$232.00
PC360LC-10 Komatsu excavator	\$221.00
PC360LC-10 Komatsu excavator w/ripper tooth	\$232.00
EC460CL or EC480CL Volvo excavator	\$251.00
EC460CL or EC480CL Volvo excavator w/compaction wheel	\$262.00
PC400 Komatsu excavator	\$251.00
PC400 Komatsu excavator w/concrete pulverizer	\$288.00

PC400 Komatsu excavator w/ripper tooth	\$262.00
PC400 Komatsu excavator w/compaction wheel	\$262.00
349EL Caterpillar excavator - variable gauge	\$261.00
Dozers	T&M rate (w/op)
D5KLGP Caterpillar dozer	\$155.00
D5KLGP Caterpillar dozer w/GPS system	\$173.00
700JLGP John Deere dozer	\$155.00
700JLGP John Deere dozer w/GPS system	\$173.00
D51 Komatsu dozer	\$155.00
D51 Komatsu dozer w/GPS system	\$173.00
850K John Deere dozer	\$155.00
850C John Deere dozer	\$180.00
D61PX Komatsu dozer	\$175.00
D65 Komatsu dozer	\$180.00
D65 Komatsu dozer w/GPS system	\$198.00
D6TXW or D6TLGP Caterpillar dozer	\$180.00
D6TXW or D6TLGP Caterpillar dozer w/GPS system	\$198.00
D6NLGP Caterpillar dozer	\$175.00
D6NLGP Caterpillar dozer w/GPS system	\$193.00
Loaders	T&M rate (w/op)
L70F Volvo wheel loader	\$147.00
950G, H or K Caterpillar wheel loader	\$166.00
L120E Volvo wheel loader	\$166.00
L110E or F Volvo wheel loader	\$166.00
953C Caterpillar track loader	\$152.00
Scrapers	T&M rate (w/op)
621B Caterpillar scraper	\$198.00
621B Caterpillar scraper w/GPS	\$216.00
Motor Graders	T&M rate (w/op)
140H, 143H or 140M Caterpillar motor grader	\$167.00
140H, 143H or 140M Caterpillar motor grader w/GPS	\$185.00
Compactors	T&M rate (w/op)
54" smooth drum or sheepsfoot compactor	\$127.00
66" smooth drum or sheepsfoot compactor	\$130.00
84" smooth drum or sheepsfoot compactor	\$145.00
RT-820 Wacker vibratory walk behind compactor - no operator	\$36.00
Wacker plate compactor - no operator	\$17.00
Offroad trucks	T&M rate (w/op)
A30 Volvo articulated truck	\$211.00
HM400 Komatsu articulated truck	\$237.00
A40F Volvo articulated truck	\$237.00
A30 Volvo articulated water tanker truck	\$210.00

Pumps	T&M rate (w/op)
8" MWI dewatering pump - no operator	\$45.00
4" Hydra-Tech hydraulic pump - no operator	\$45.00
Farm equipment	T&M rate (w/op)
JX80U Case farm tractor	\$140.00
JX80U Case farm tractor w/box blade	\$148.00
JX80U Case farm tractor w/Landpride brilliant seeder	\$147.00
JX80U Case farm tractor w/3-point spreader	\$138.00
JX80U Case farm tractor w/silt fence plow	\$155.00
JX80U Case farm tractor w/strawpress	\$148.00
Large farm tractor	\$179.00
Large farm tractor w/box blade	\$186.00
Large farm tractor w/construction disk	\$189.00
Large farm tractor w/water tanker trailer	\$188.00
Forklifts/Telehandlers	T&M rate (w/op)
Shop style forklift	\$118.00
TH63 Caterpillar telehandler	\$163.00
DL12 Gehl telehandler	\$163.00
TH360B Caterpillar telehandler	\$163.00
Telehandler w/work platform	\$170.00
Mobilization	T&M rate (w/op)
Lowboy tractor & trailer	\$213.00
Boom truck	\$158.00
Escort vehicle	\$118.00
On road trucks & trailers	T&M rate (w/op)
Single-axle dump truck	\$130.00
Equipment service truck	\$149.00
Tractor (no trailer)	\$150.00
Skid loader trailer - no operator	\$13.00
Vac trailer (pull behind) - no operator	\$33.00
Truck mounted drill rig	\$124.00
Concrete mixer truck	\$125.00
Water truck	\$135.00
1 ton flatbed or 1 ton pickup truck - no operator	\$29.00
Pickup truck - no operator	\$25.00
Fuel truck	\$133.00
Sport utility vehicle or car	\$30.00
Accessories/Miscellaneous equipment	T&M rate (w/op)
Topcon GPS rover setup - no operator	\$28.00
Pro Tough 400 screener - no operator	\$79.00
Grizzly screen - no operator	\$27.00
Kymco/Bobcat offroad vehicle - no operator	\$20.00

Concrete mixer - no operator	\$15.00
Concrete bucket - no operator	\$13.00
Portable concrete saw (walk behind) - no operator (blades additional charge)	\$24.00
Cellular concrete foam generator - no operator	\$20.00
185CFM-250CFM air compressor - no operator	\$33.00
375CFM air compressor - no operator	\$37.00
20KW-59KW generator - no operator	\$45.00
Trench box - no operator	\$8.00
G1 trench shoring system - no operator	\$25.00
Rock box - no operator	\$4.00
Cable roller - no operator	\$14.00
Ground-thaw unit - no operator	\$45.00
Fuel trailer/skid - no operator	\$6.00
Jobsite tool trailer/container - no operator	\$12.00
Portable welder - no operator, materials not included	\$15.00
Broce RJ300 street sweeper (throw broom)	\$130.00
Light plant - no operator	\$26.00
75P boring machine - no operator	\$15.00
Office trailer/warming shack - no operator	\$12.00
Employee travel charge	\$75.00 daily
Employee travel charge - North Dakota	\$120.00 daily

Personnel Description

	T&M rate
General Superintendent/Superintendent	\$101.00
Overtime	\$135.00
Double time	\$159.00
Carpenter/Cement Mason	\$91.00
Overtime	\$125.00
Double time	\$149.00
Laborer	\$77.00
Overtime	\$109.00
Double time	\$130.00
Driver/Mechanic	\$76.00
Overtime	\$102.00
Double time	\$125.00
Operator	\$86.00
Overtime	\$125.00
Double time	\$147.00
Surveyor w/equipment	\$130.00
Overtime	\$165.00
Double time	\$186.00
Piledriver	\$91.00
Overtime	\$125.00
Double time	\$149.00

Summary of Revisions to Traffic Control Plans

Rev. 8/23/2017

OHB Levee

WP-43CD

Section 100 Sheet 1

1. Revised R11-2-48 from 476 Units to 504 Units.
2. Revised R11-4a-60 from 93 Units to 155 Units.
3. Added SS1 for 40 Units.
4. Revised 704-1000 from 3923 Total Units to 4053 Total Units.
5. Revised 704-1052 from 23 EA to 27 EA.

Section 100 Sheet 3

1. Added Type III Barricades and Sign #62 on Paul Bunyan Drive.
2. Added a call showing the Type III Barricades and Sign #62 to be moved from the grade raise to South of Oxbow Drive work limits as contractor operations dictate.

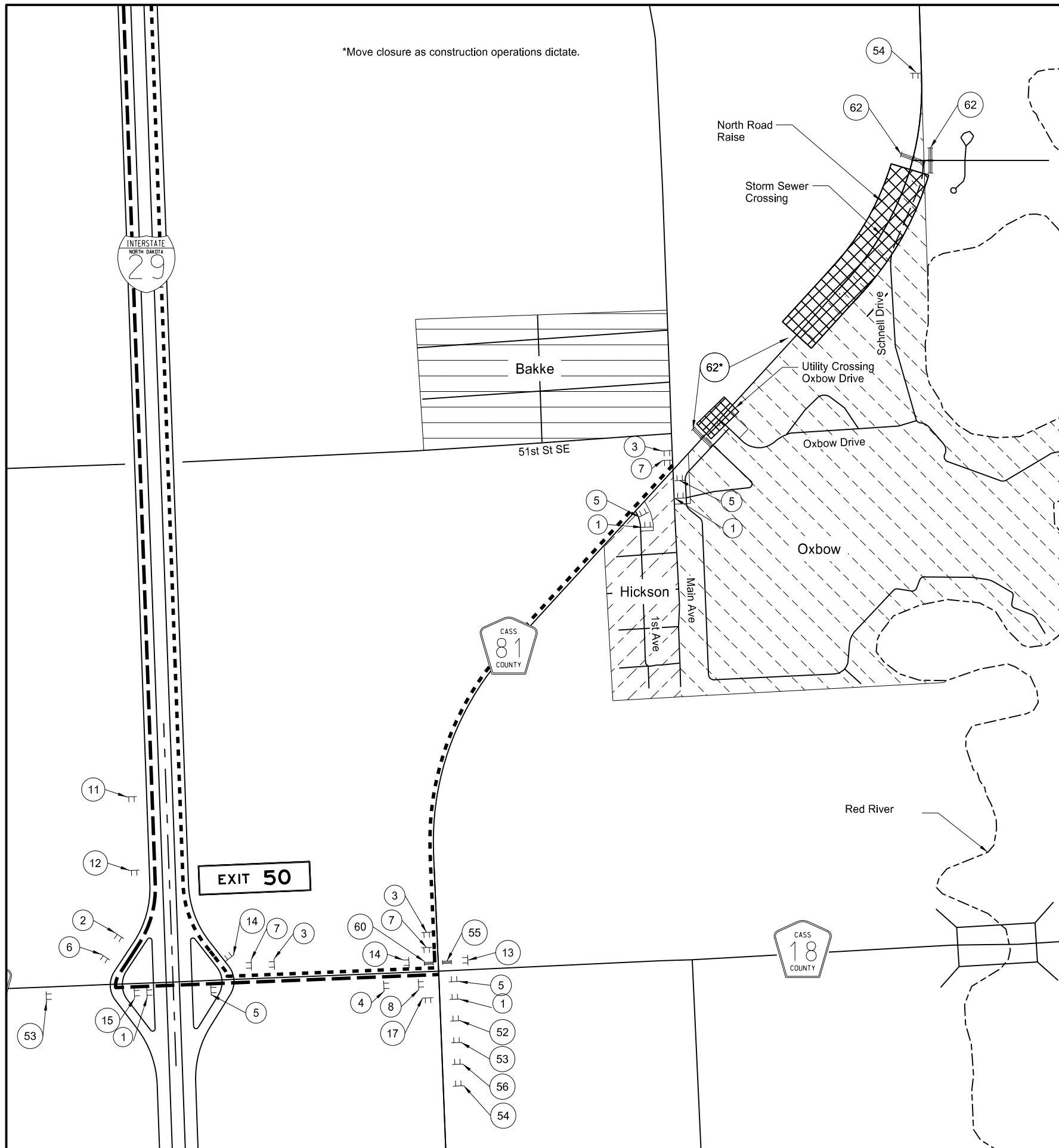
Section 100 Sheet 4

1. Added SS1 as Sign #63.
2. Added requirements to cover a portion of the Existing Exit 54 Guide Signs (3 total signs).
3. Added requirements to cover the existing guide sign at CR 16 and CR 81 intersection.

Section 100 Sheet 5

1. Added Construction Sign Detail Sheet for SS1.

*Move closure as construction operations dictate.



1	2	3	4	5
DETOUR NORTH M4-8-24 M3-1-24 CASS 81 COUNTY M1-6-24 M5-1L-21	DETOUR SOUTH M4-8-24 M3-3-24 CASS 81 COUNTY M1-6-24 M5-1L-21	DETOUR NORTH M4-8-24 M3-1-24 CASS 81 COUNTY M1-6-24 M5-1R-21	DETOUR SOUTH M4-8-24 M3-3-24 CASS 81 COUNTY M1-6-24 M5-1R-21	DETOUR NORTH M4-8-24 M3-1-24 CASS 81 COUNTY M1-6-24 M6-1L-21
6	7	8	11	12
DETOUR SOUTH M4-8-24 M3-3-24 CASS 81 COUNTY M1-6-24 M6-1L-21	DETOUR NORTH M4-8-24 M3-1-24 CASS 81 COUNTY M1-6-24 M6-1R-21	DETOUR SOUTH M4-8-24 M3-3-24 CASS 81 COUNTY M1-6-24 M6-1R-21	DETOUR SOUTH M4-8-24 M3-3-24 CASS 81 COUNTY M1-6-24 M5-2R-21	DETOUR SOUTH M4-8-24 M3-3-24 CASS 81 COUNTY M1-6-24 M6-2R-21
13	14	15	17	52
DETOUR NORTH M4-8-24 M3-1-24 CASS 81 COUNTY M1-6-24 M6-3-21	DETOUR NORTH M4-8-24 M3-1-24 CASS 81 COUNTY M1-6-24	DETOUR SOUTH M4-8-24 M3-3-24 CASS 81 COUNTY M1-6-24	SOUTH M3-3-24 CASS 81 COUNTY M1-6-24	DETOUR 500 FT W20-2-48
53	54	55	56	60
DETOUR 1500 FT W20-2-48	ROAD CLOSED AHEAD W20-3-48	ROAD CLOSED 1-5 MILE AHEAD LOCAL TRAFFIC ONLY R11-3A-60 Barricade Mounted	ROAD CLOSED 1-5 MILE AHEAD LOCAL TRAFFIC ONLY R11-3A-60	DETOUR M4-10-48 Barricade Mounted
62				
ROAD CLOSED R11-2-48 Barricade Mounted				

62

ROAD CLOSED R11-2-48

Barricade Mounted

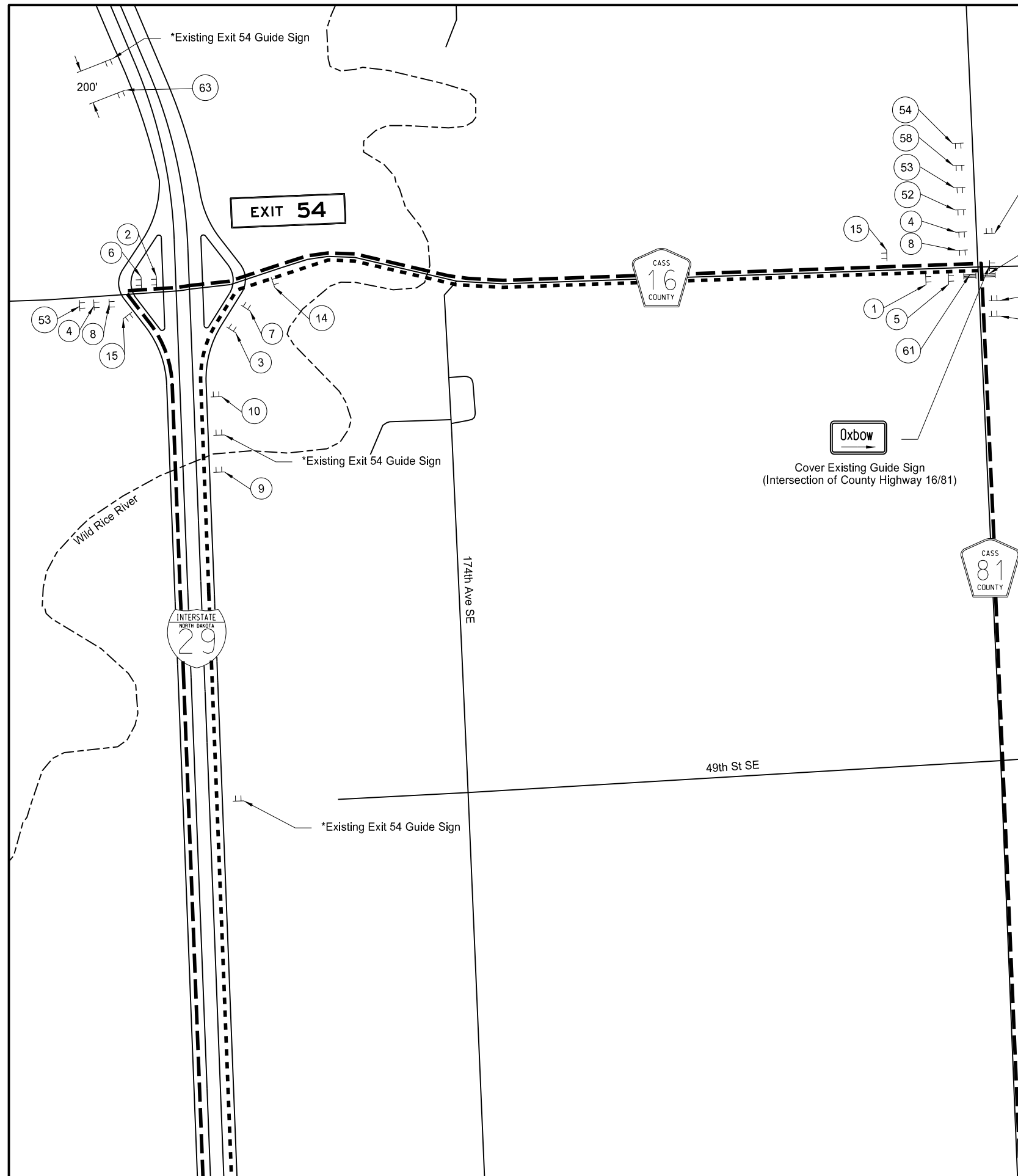
This document was originally issued and sealed by Jacob H. Loegering, Registration Number PE- 9808, on 08/22/17 and the original document is stored at CH2M Engineering Inc. Fargo, ND

OHB Levee

County Road 81

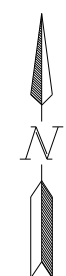
Utility Crossing/North Road Raise Detour

Work Area
 Northbound Detour Route
 Southbound Detour Route
 River Crossing
 All signs shall be post mounted unless stated otherwise.



1	2	3	4	5
DETOUR NORTH M4-8-24 M3-1-24 CASS COUNTY 81 M1-6-24 M5-1L-21	DETOUR SOUTH M4-8-24 M3-3-24 CASS COUNTY 81 M1-6-24 M5-1L-21	DETOUR NORTH M4-8-24 M3-1-24 CASS COUNTY 81 M1-6-24 M5-1R-21	DETOUR SOUTH M4-8-24 M3-3-24 CASS COUNTY 81 M1-6-24 M5-1R-21	DETOUR NORTH M4-8-24 M3-1-24 CASS COUNTY 81 M1-6-24 M6-1L-21
6	7	8	9	10
DETOUR SOUTH M4-8-24 M3-3-24 CASS COUNTY 81 M1-6-24 M6-1L-21	DETOUR NORTH M4-8-24 M3-1-24 CASS COUNTY 81 M1-6-24 M6-1R-21	DETOUR SOUTH M4-8-24 M3-3-24 CASS COUNTY 81 M1-6-24 M6-1R-21	DETOUR NORTH M4-8-24 M3-1-24 CASS COUNTY 81 M1-6-24 M5-2R-21	DETOUR NORTH M4-8-24 M3-3-24 CASS COUNTY 81 M1-6-24 M6-2R-21
14	15	16	52	53
DETOUR NORTH M4-8-24 M3-1-24 CASS COUNTY 81 M1-6-24	DETOUR SOUTH M4-8-24 M3-3-24 CASS COUNTY 81 M1-6-24	DETOUR NORTH M3-1-24 CASS COUNTY 81 M1-6-24	DETOUR 500 FT W20-2-48	DETOUR 1500 FT W20-2-48
54	57	58	61	63
ROAD CLOSED AHEAD W20-3-48	ROAD CLOSED 2.5 MILE AHEAD LOCAL TRAFFIC ONLY R11-3A-60	ROAD CLOSED 2.5 MILE AHEAD LOCAL TRAFFIC ONLY R11-3A-60	DETOUR M4-10-48	Oxbow EXIT 50 SS1

Oxbow
Cover Existing Guide Sign
(Intersection of County Highway 16/81)



This document was originally issued and sealed by Jacob H. Loegering, Registration Number PE- 9808, on 08/23/17 and the original document is stored at CH2M Engineering Inc. Fargo, ND

*Cover "Oxbow" on existing Exit 54 Signs. Submit method for covering for approval prior to covering.

- Northbound Detour Route
- Southbound Detour Route
- ▭ River Crossing

All signs shall be post mounted unless stated otherwise.

OHB Levee
County Road 81
Utility Crossing/North Road Raise Detour

SIGN NUMBER	SS1					STATION(S):	none					AREA:	21.0 Sq.Ft.				
WIDTH x HEIGHT	6'-0" x 3'-6"						Dimensions are in inches.tenths Letter locations are panel edge to lower left corner <small>PANEL STYLE: ND_Const_SpedLat.ssi</small>										
BORDER WIDTH	1.25" (inset 0.75")																
CORNER RADIUS	6"																
MOUNTING	Ground																
BACKGROUND	TYPE: IV Reflective COLOR: Orange																
LEGEND/BORDER	TYPE: Non-Reflective COLOR: Black																
SYMBOL	X	Y	WID	HT	ANGLE												

LETTER POSITION (X) LENGTH SIZE SERIES

O	x	b	o	w										
16.2	24.6	33.5	40.6	47.6							39.5	8/6	EM	2000
E	X	I	T	5	0						47.5	8	EM	2000
12.2	19.3	27.9	31	44.9	53									

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Oxbow Levee
 County Road 81
 Construction Sign Detail

Bid Proposal



Meyer Contracting, Inc

11000 93rd Ave North

Minneapolis, MN 55369

Contact: Verlyn Schoep

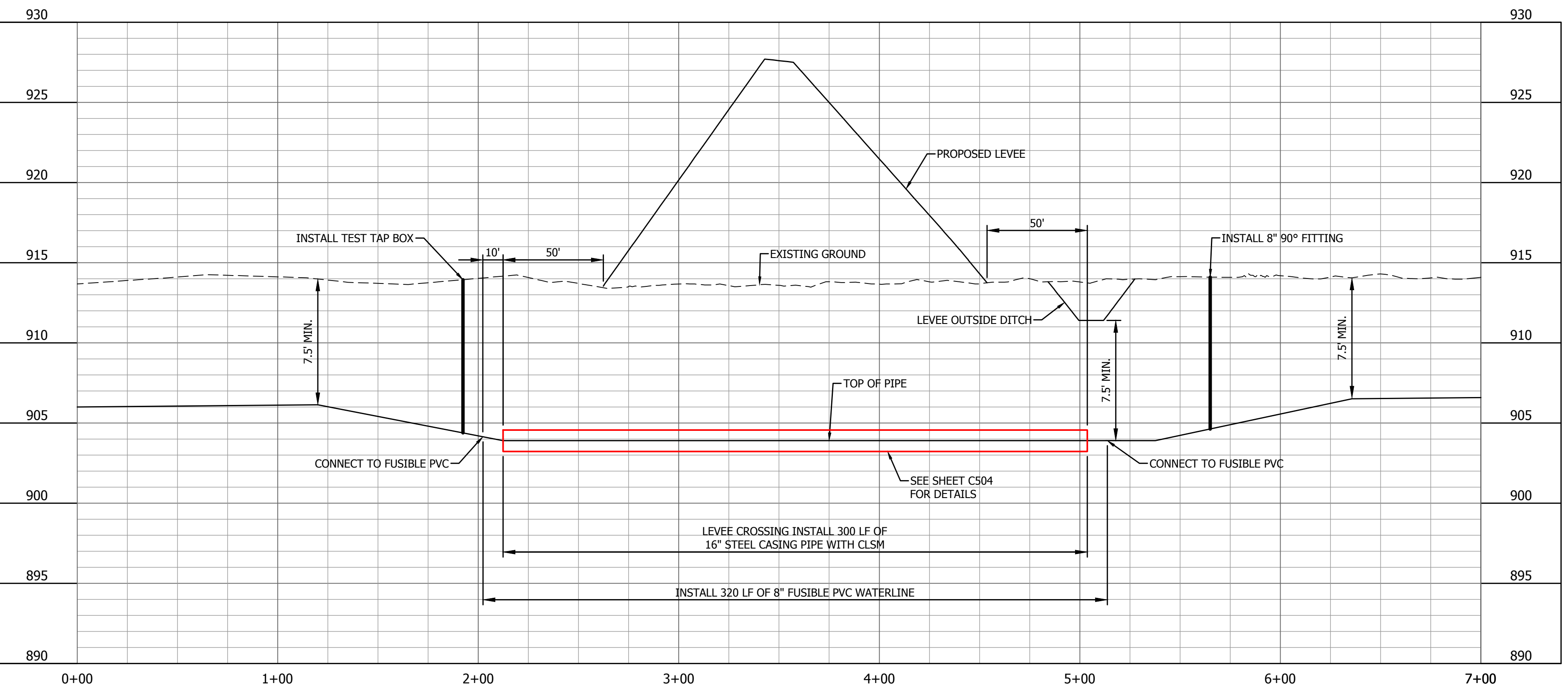
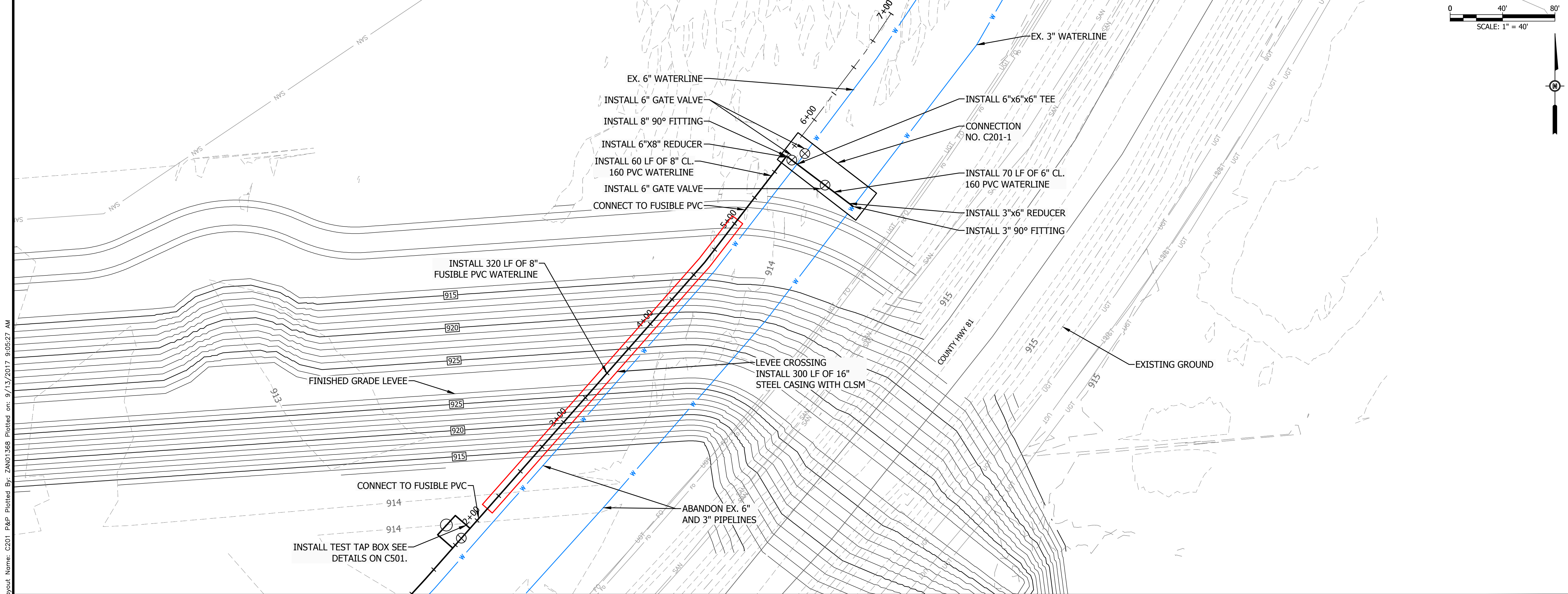
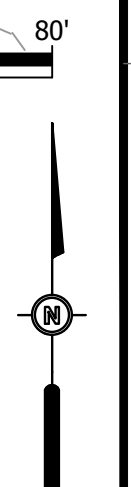
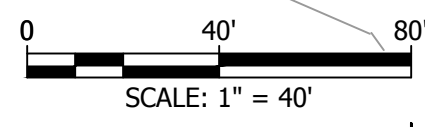
Phone: 612.735.5855

Fax: 763.391.5960

Quote To: Christopher M Gross, PE, CFM
Project Manager
moore engineering, inc.
Phone: 701.499.5857

Job Name: Water Main Relocation
OHB Levee at Oxbow

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
10	16" STEEL CASING PIPE W/CLSM	300.00	LF	579.69	173,907.00
20	CATHODIC PROTECTION	1.00	LS	30,693.89	30,693.89
25	FURNISH 8" FUSIBLE PIPE, UNLOADING, & FUSION	1.00	LS	13,796.77	13,796.77
30	INSTALL 8" FUSIBLE PVC WATERLINE	400.00	LF	28.05	11,220.00
40	TEMP. CONNECT TO EXISTING 6" WATERLINE	2.00	EA	4,355.21	8,710.42
50	WELDING MOBILIZATION	1.00	LS	4,580.00	4,580.00
GRAND TOTAL					\$242,908.08



Drawing Name: F:\Proj\3000\3057\064\AutoCad\Plan Set\OHB Pipeline Replacement\3057.064C_Layout.dwg Layout Name: C201 P&P Plotted By: ZAN01368 Plotted on: 9/13/2017 9:05:27 AM
Last edit on: 00/00/00

Bartlett & West
www.bartwest.com

**NORTH CONNECTION
PLAN AND PROFILE**
CASS RURAL WATER DISTRICT
PIPELINE RELOCATION FOR OHB RING LEVEE PROJECT
OXBOW, NORTH DAKOTA

REVIEW SET

DESIGNED BY:	BJZ
DRAWN BY:	ZAN
APPROVED BY:	BJZ
DESIGN PROJ:	3057.064
CONST PROJ:	3057.064
SCALE:	AS NOTED
DATE:	09/2017
DRAWING NO:	C201
SHEET NO:	6 of 10

**RESOLUTION CONFIRMING THE PROCEDURE FOR APPROVAL OF
CONSTRUCTION CONTRACTS; CONTRACTS FOR ENGINEERING,
ARCHITECTURAL, AND OTHER PROFESSIONAL SERVICES; AND CHANGE
ORDERS AND AMENDMENTS**

of the

METRO FLOOD DIVERSION AUTHORITY

Approved on November 10, 2016

This instrument was drafted by:
John T. Shockley
Ohnstad Twichell, P.C.
P.O. Box 458
West Fargo, North Dakota 58078

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Member Mahoney introduced the following resolution and moved for its adoption:

**RESOLUTION CONFIRMING THE PROCEDURE FOR APPROVAL OF
CONSTRUCTION CONTRACTS; CONTRACTS FOR ENGINEERING,
ARCHITECTURAL, AND OTHER PROFESSIONAL SERVICES; AND CHANGE
ORDERS AND AMENDMENTS**

WHEREAS, the City of Moorhead, the City of Fargo, Clay County, Cass County, and the Cass County Joint Water Resource District (the “Member Entities”) entered into a Joint Powers Agreement (“JPA”) on June 1, 2016, creating the Metro Flood Diversion Authority (“Diversion Authority”).

WHEREAS, Article XII of the JPA contains the general procedures for bidding, contracting, and payment procedures for the Fargo-Moorhead Metropolitan Area Flood Risk Management Project (the “Project”); and

WHEREAS, the Member Entities recognize that the size and complexity of the Project requires the adoption of additional operating procedures regarding the bidding, contracting, and payment procedures for the Project; and

WHEREAS, the governing body of the Diversion Authority, the Diversion Authority Board (“Diversion Authority Board”), is authorized to adopt by written resolution specific written operating procedures regarding the bidding, contracting, and payment procedures for the Project in accordance with Section 12.05 of the JPA; and

WHEREAS, the Co-Executive Directors (or Executive Director, as applicable) are the chief purchasing agents of the Metro Flood Diversion Authority, and purchases and contracts are made by the Co-Executive Directors in accordance with procedures specified by the Diversion Authority Board; and

WHEREAS, in accordance with Section 14.06 of the JPA, the Co-Executive Directors may enter into a purchase or contract in an amount up to ten thousand dollars (\$10,000) on behalf of the Metro Flood Diversion Authority without the approval of the Diversion Authority Board; and

WHEREAS, the Diversion Authority will follow Chapter 48-01.2 of the North Dakota Century Code regarding traditionally bid public improvement contracts.

NOW, THEREFORE, BE IT RESOLVED by the governing body of the Diversion Authority:

Section 1. Applicability to Member Entities. Pursuant to Article 12 of the JPA, if a portion of the Project is delegated to a Member Entity, that Member Entity is responsible for developing, approving, and making changes to contracts for that specific portion of the Project. In the event a portion of the Project is delegated to a Member Entity, that Member Entity shall follow the bidding and procurement requirements of the state in which the Member Entity is located, in

accordance with Section 12.09 of the JPA. This resolution shall only apply to contracts that are to be developed and approved by the Diversion Authority.

Section 2. Definitions.

All capitalized terms used and not otherwise defined herein shall have the meanings given them in this Resolution and as defined in this Section unless a different meaning clearly applies from the context.

“Addenda” means written or graphic instruments issued prior to the opening of Bids which clarify, correct, or change the Bidding Requirements or the proposed Contract Documents.

“Authority Work Directive” means a work directive given by the Diversion Authority to a Contractor or service provider.

“Best Efforts” means that a Co-Executive Director will act in Good Faith, in accordance with generally accepted commercial practices, and use reasonable due diligence to undertake all action contemplated by this Resolution, in accordance with applicable federal and state laws, regulations, and rules.

“Bid” means the offer of a Bidder submitted on the prescribed form setting forth the prices for the Work to be performed.

“Bidder” means an individual or entity that submits a Bid to the Owner.

“Bidding Documents” means the Bidding Requirements, the proposed Contract Documents, and all Addenda.

“Bidding Requirements” means the advertisement or invitation to bid, Instructions to Bidders, Bid Bond or other Bid security, if any, the Bid Form, and the Bid with any attachments.

“Change Order” means a document that is signed by the Contractor and Owner and authorizes an addition, deletion, or revision in the Work or an adjustment in the Contract Price or the Contract Times, or other revision to the Contract, issued on or after the Effective Date of the Contract.

“Change Proposal” means a written request by Contractor, duly submitted in compliance with the procedural requirements set forth herein, seeking an adjustment in Contract Price or Contract Times, or both; contesting an initial decision by Engineer concerning the requirements of the Contract Documents or the acceptability of Work under the Contract Documents; challenging a set-off against payments due; or seeking other relief with respect to the terms of the Contract.

“Contract” means the entire and integrated written contract between the Owner and Contractor concerning the Work.

“Contract Documents” means those items so designated in the Contract, which together comprise the Contract.

“Contract Price” means the money that Owner has agreed to pay Contractor for completion of the Work in accordance with the Contract Documents.

“Contract Times” means the number of days or the dates by which Contractor shall: (a) achieve Milestones, if any; (b) achieve Substantial Completion; and (c) complete the Work.

“Contractor” means the individual or entity with which the Owner has contracted for performance of the Work.

“Deputy Co-Executive Director” means a position of the Metro Flood Diversion Authority created by Section 14.03 of the JPA.

“Good Faith” means observance of reasonable commercial standards of fair dealing in a given trade of business.

“Member Entities” shall mean the City of Moorhead, the City of Fargo, Clay County, Cass County, and Cass County Joint Water Resource District. The term Member Entity does not include the City of West Fargo, Wilkin County, or Richland County.

“N.D.C.C.” means the North Dakota Century Code.

“Owner” means the individual or entity with which the Contractor has contracted regarding the Work, and which has agreed to pay Contractor for the performance of the Work, pursuant to the terms of the Contract.

“P3 Procurement” means the procurement process being used to bid the Project Agreement for the construction of the Diversion Channel and Associated Infrastructure pursuant to Chapter 48-02.1 of the North Dakota Century Code.

“PMC” (Program Management Consultant) means an individual or firm responsible for planning and implementing the Project, which shall be under the direct supervision of the Executive Director, the Deputy Executive Director, and the Diversion Authority Board, and will consult with Member Entity staff.

“Project” means the LPP Flood Risk Management Features and the Recreation Features as generally described in the Final Feasibility Report and Environmental Impact Statement, Fargo-Moorhead Metropolitan Area Flood Risk Management Project, dated July 2011 and approved by the Chief of Engineers on December 19, 2011, as amended by the Supplemental Environmental Assessment, Fargo-Moorhead Metropolitan Area Flood Risk Management Project, dated September 2013 and approved by the District Engineer, St. Paul District on September 19, 2013.

“Work Change Directives” means a written directive to a Contractor that does not change the Contract Price or the Contract Times, but is evidence that the parties expect that the modification ordered or documented by a Work Change Directive will be incorporated into a subsequently issued Change Order.

Section 3. Contract Negotiations. The Co-Executive Directors are the chief purchasing agents for the Diversion Authority. The PMC and the General Counsel may assist the Co-Executive

Directors with the negotiation and development of Contracts and changes to Contracts as described below.

Section 4. Procedure for Diversion Authority Approval of Construction Contracts and Contracts for Engineering, Architectural, and Other Professional Services.

- A. All Contracts relating to construction activities and related professional services of the Project shall identify the Diversion Authority as the Owner under the Contract, unless the Contract utilizes funds generated by special assessments levied and collected by the Cass County Joint Water Resource District (“CCJWRD”), in which case the Contract may be held in either name.
- B. All Contracts for construction and related professional services presented to the Diversion Authority Board shall be approved at a public meeting and by either a resolution or a motion approved by the affirmative vote of a majority of the members of the Diversion Authority Board.
- C. Any Contract presented to the Diversion Authority Board for approval will be approved upon a majority vote of all members of the Diversion Authority Board, in accordance with Section 5.09 of the JPA.
- D. For construction Contracts in the amount of ten thousand dollars (\$10,000) or less:
 - (1) The PMC and/or the Co-Executive Directors shall submit a proposed Contract to the Technical Advisory Group. The Technical Advisory Group shall review the Contract and submit its verbal recommendation to the Co-Executive Directors during its next regular meeting after receiving the Contract.
 - (2) Upon receiving a positive recommendation from the Technical Advisory Group, the Co-Executive Directors may approve the Contract. A Contract approved by the Co-Executive Directors must be signed by at least one (1) of the Co-Executive Directors on behalf of the Diversion Authority.
 - (3) Contracts utilizing funds generated by special assessments levied and collected by the CCJWRD shall also be approved by the CCJWRD, as required under N.D.C.C. § 61-16.1-24. Such Contracts shall first be approved by the CCJWRD Board, before being signed by the Co-Executive Directors.
- E. For construction Contracts greater than ten thousand dollars (\$10,000) and less than one hundred thousand dollars (\$100,000):
 - (1) If the estimated cost for the proposed construction project is estimated to be greater than ten thousand dollars (\$10,000) and less than one hundred thousand dollars (\$100,000), the PMC and/or Co-Executive Directors shall use their Best Efforts to request and secure three (3) competitive quotes for the proposed construction work. In the event that the PMC and/or Co-Executive Directors determine that only one Contractor or supplier is capable of providing the construction work or materials, the PMC and/or the Co-Executive Directors shall

provide such recommendation to the Finance Committee. The Finance Committee shall review and make a recommendation to the PMC and/or the Co-Executive Directors to dispense with the requirement to use their Best Efforts to request and secure three (3) competitive quotes.

- (2) The PMC or the Co-Executive Directors shall submit a proposed Contract to the Technical Advisory Group. The Technical Advisory Group shall review the Contract during its next regular meeting after receiving the Contract and then provide its recommendations to the PMC or the Co-Executive Directors.
- (3) The PMC or the Co-Executive Directors shall consolidate the recommendations of the Technical Advisory Group and the Co-Executive Directors regarding the proposed Contract into a single form and submit the written recommendation to the Finance Committee for review and/or approval. The recommendations of the Finance Committee regarding the proposed Contract shall then be submitted by the PMC or the Co-Executive Directors to the Diversion Authority Board for consideration.
- (4) Contracts utilizing funds generated by special assessments levied and collected by the CCJWRD shall also be approved by the CCJWRD, as required under N.D.C.C. § 61-16.1-24. Such Contracts must first be approved by the CCJWRD Board prior to being submitted to the Diversion Authority Board for approval.

F. For construction Contracts in the amount of one hundred thousand dollars (\$100,000) or more:

- (1) If the estimated cost for the proposed construction project meets the public improvement construction threshold of one hundred thousand dollars (\$100,000), as provided for in N.D.C.C. § 48-01.2-02.1, the PMC and/or the Engineer of Record shall advertise for Bids in accordance with North Dakota law and receive all Bids and/or proposals for the Contract.
- (2) The PMC and/or the Engineer of Record shall open the Bids and/or proposals at a public meeting in accordance with N.D.C.C. § 48-01.2-07. The PMC and/or the Engineer of Record will review the Bid and/or proposal of the lowest responsible Bidder in accordance with N.D.C.C. § 48-01.2-07, and make a written recommendation to the Diversion Authority as to the sufficiency of the Bid and/or proposal. The PMC and/or the Engineer of Record shall also submit the Bid and/or proposal to the Finance Committee. Upon reviewing the Bid and/or proposal, the Finance Committee shall submit a written recommendation to the Diversion Authority Board. The Diversion Authority Board may then approve the Contract. The Engineer of Record and the Diversion Authority Board may reject all Bids and/or proposals, and the Diversion Authority may subsequently re-advertise for Bids if no Bids and/or proposals are satisfactory.
- (3) Contracts utilizing funds generated by special assessments levied and collected by the CCJWRD shall also be approved by the CCJWRD Board, as required

under N.D.C.C. § 61-16.1-24. Such Contracts shall first be approved by the CCJWRD, before being presented to the Diversion Authority Board for approval.

G. Contracts for Engineering, Architectural, and Other Professional Services:

- (1) The PMC and/or Co-Executive Directors shall submit a proposed Contract relating to engineering, architectural, and other professional services to the Finance Committee for review. The Finance Committee shall then submit its recommendation and the proposed Contract to the Diversion Authority Board for approval.
- (2) A Contract for engineering, architectural, and other professional services does not require approval by the CCJWRD.
- (3) The Diversion Authority Board, when it determines by affirmative vote or a majority of the Diversion Authority Board members that it is both reasonable and in the best interests of the Project, may deviate from the process outlined above for professional service agreements based upon the advice and recommendation from insurance providers, legal counsel, engineers, and/or the Co-Executive Directors.

H. Contracts for Services of the PMC:

- (1) The Co-Executive Directors shall submit a Contract for the services of a PMC to the Finance Committee for recommendation. The Finance Committee shall then submit its recommendation and the proposed Contract to the Diversion Authority Board for approval.

Section 5. Procedure for Diversion Authority Approval of Changes and Amendments to Existing Contracts.

- A. The Diversion Authority Board recognizes and acknowledges that, due to the size and complexity of the Project, situations will arise that require the Co-Executive Directors to authorize Change Orders prior to submitting a Change Order, Work Change Directive, and Authority Work Directive to the Diversion Authority pursuant to the procedure outlined in this section. The Co-Executive Directors will use their Best Efforts to secure Diversion Authority Board approval of all Change Orders, Work Change Directives and Authority Work Directives prior to work being commenced, however, the Diversion Authority Board hereby authorizes the Co-Executive Directors to authorize Change Orders, Work Change Directives and Authority Work Directives, without prior Diversion Authority Board approval, when public safety dictates that Contract actions need to be taken in order to stabilize worksites and/or mitigate costs to the public and/or the Diversion Authority. If the Co-Executive Directors act pursuant to the authority set forth in this section, they shall make a good faith effort to contact the Diversion Authority Board Chair and the Finance Committee Chair prior to authorizing a contractor to proceed. The Co-Executive Directors shall report such actions and/or decisions to the recommendation

to the Finance Committee for review and then to the Diversion Authority Board for formal approval.

B. Any Change Orders, Work Change Directives and Authority Work Directives, or amendment to a master service agreement presented to the Diversion Authority Board will be approved upon a majority vote of all members of the Diversion Authority Board, in accordance with Section 5.09 of the JPA.

C. Change Orders to construction Contracts:

(1) Change Order requests to Diversion Authority construction Contracts shall state in detail the reason for the proposed change and all costs associated with the change. The PMC and/or the Engineer of Record shall be responsible for preparing the Change Order requests with an itemization and narrative explanation of each Change Order. The Fiscal Agent for the Diversion Authority shall provide the PMC and/or Engineer of Record with the requirements for submitting all Project costs.

(2) The PMC and/or the Engineer of Record shall submit a construction Change Order request to the Technical Advisory Group. The Technical Advisory Group shall review the Change Order request during its next regular meeting after receiving the Change Order request, and make a recommendation as to approval or denial of the Change Order request.

(3) The Technical Advisory Group shall submit the Change Order request and its recommendation to the Finance Committee. The Finance Committee will review the Change Order request at its next regular meeting, and submit the request, the Finance Committee's recommendation, and the Technical Advisory Group's recommendation to the Diversion Authority Board for approval. If a Contract with an estimated cost of more than one hundred thousand dollars (\$100,000) utilizes funds generated by special assessments levied and collected by the CCJWRD, the CCJWRD Board must approve the Change Order before being approved by the Diversion Authority Board.

(4) A Change Order approved by the Diversion Authority Board may be approved in whole or in part.

(5) The Diversion Authority Board recognizes that time is of the essence in making Change Orders, and therefore, agrees to approve or deny requests for Change Orders during the next Diversion Authority Board meeting after submittal to the Technical Advisory Group.

D. Field orders under construction Contracts:

(1) Field orders to Diversion Authority Contracts not affecting the cost of the original Contract shall be prepared by the PMC and/or the Engineer of Record and shall state in detail the reason for the change. The PMC and/or the Engineer of Record shall submit a field order to the Technical Advisory Group.

- (2) The Technical Advisory Group shall review the field order during its next regular meeting after receiving the field order, and make a recommendation to the Co-Executive Directors as to approval or denial of the field order. The Co-Executive Directors may then approve and sign the field order.

E. Work Change Directives to construction Contracts:

- (1) Work Change Directives to Diversion Authority construction Contracts shall be prepared by the PMC and/or the Engineer of Record and shall state in detail the reason for the change and, if applicable, the costs associated with the change. The PMC and/or the Engineer of Record shall be responsible for preparing the Work Change Directive with sufficient detail.
- (2) The PMC and/or the Engineer of Record shall submit a construction Work Change Directive to the Technical Advisory Group. The Technical Advisory Group shall review the Work Change Directive during its next regular meeting after receiving the Work Change Directive, and make a recommendation to the Co-Executive Directors as to approval or denial of the Work Change Directive.
- (3) If the Work Change Directive changes the schedule of the original Contract, each Co-Executive Director may approve and sign the Work Change Directive. If the original Contract utilizes funds generated by special assessments levied and collected by the CCJWRD, CCJWRD's engineer must approve the Work Change Directive before it is signed by the Co-Executive Directors.
- (4) If the Work Change Directive changes the costs and/or amounts of the original Contract, the Co-Executive Directors shall submit the Work Change Directive and a recommendation to the Finance Committee, along with the recommendation given by the Technical Advisory Group. The Finance Committee will review the Work Change Directive at its next regular meeting, and submit the Work Change Directive and its recommendation to the Diversion Authority Board for approval. If the original Contract utilizes funds generated by special assessments levied and collected by the CCJWRD, the CCJWRD Board must approve the Work Change Directive before being approved by the Diversion Authority Board.
- (5) The Diversion Authority Board recognizes that time is of the essence in making Work Change Directives, and therefore, agrees to approve or deny Work Change Directives during the next Diversion Authority Board meeting after submittal to the Co-Executive Directors.

F. New task orders and amendments to task orders under a master service agreement:

- (1) New task orders under a master service agreement and amendments to existing task orders shall be prepared by the PMC and/or the Engineer of Record. The PMC and/or the Engineer of Record shall submit the new task order or amendment to a task order to the Co-Executive Directors.

(2) Upon review, each of the Co-Executive Directors may subsequently approve and sign the new task order or amendment to a task order on behalf of the Diversion Authority.

G. Amendments to master service agreements and Authority Work Directives:

(1) Amendments to existing master service agreements and Authority Work Directives shall be prepared by the PMC and/or the Engineer of Record. The PMC and/or the Engineer of Record shall submit an amendment to a master service agreement or Authority Work Directive to the Co-Executive Directors.

(2) The Co-Executive Directors shall submit the amendment to a master service agreement or Authority Work Directive along with a recommendation to the Finance Committee. The Finance Committee will review the amendment to a master service agreement or Authority Work Directive at its next regular meeting, and submit the amendment to a master service agreement or Authority Work Directive and the Finance Committee's recommendation to the Diversion Authority Board for approval.

Section 6. Applicability of This Resolution. This resolution will only apply to any traditionally bid Contract for construction and does not apply to the P3 Procurement for the Diversion Channel and Associated Infrastructure.

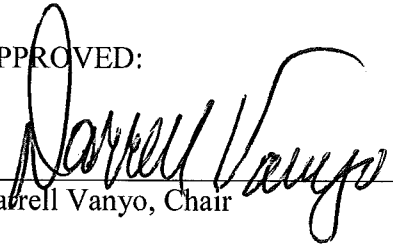
Section 7. North Dakota Law Applies. This Resolution will be controlled by the laws of the State of North Dakota.

Section 8. Effective Date. This Resolution will take effect immediately upon adoption.

Dated: November 10, 2016.


**METRO FLOOD DIVERSION
AUTHORITY**

APPROVED:



Darrell Vanyo, Chair

ATTEST:



Heather Worden, Secretary

The motion for adoption of the foregoing resolution was duly seconded by Member Campbell and upon roll call vote, the following Members voted in favor thereof: Vanyo, Scherling, Pawluk, Mahoney, Piepkorn, Grindberg, Williams, Otto, Hendrickson, Campbell, Weyland, Brodshaug, and Thorstad. The following were absent and not voting: none. The following voted against the same: none. A majority of the Members having voted aye, the resolution was declared duly passed and adopted.



METRO FLOOD DIVERSION PROJECT

Technical Advisory Group Recommendation

Meeting Date: 9/19/2017

RECOMMENDATION FOR ACTION:

The Technical Advisory Group has reviewed and recommends approval of the following Contract Action(s).

SUMMARY OF CONTRACTING ACTION:

Per the contract review and approval procedures that were adopted by the Diversion Authority on November 10, 2016, the Owner’s Program Management Consultant (PMC) or Engineer of Record (EOR) shall submit a construction Change Order request to the Technical Advisory Group. The Technical Advisory Group shall review the Change Order request during its next regular meeting after receiving the Change Order request, and make a recommendation as to approval or denial of the Change Order request.

The Owner’s Representative has reviewed and recommends the following Contract Action(s):

Description	Budget Estimate (\$)
WP-43CD: Meyer Contracting, Inc.	
<i>Change Order #01</i>	\$7,383.47
<ul style="list-style-type: none"> • Add 42-inch pipe heat shrink sleeves • Add additional 42-inch pipe bedding and backfill • Add one (1) day of contract time 	

Summary of Contracting History and Current Contract Action:

The MFDA awarded the WP-43CD (OHB Ring Levee – Phases C and D) construction contract to Meyer Contracting, Inc. on July 13, 2017.

Since the start of construction, several contract change items have been identified. Change Order No. 1 adds additional heat-shrink sleeves, 42-inch steel pipe excavation, bedding, and backfill, and one (1) day to the contract time.

Below is a summary of contracting history to date along with the current contracting action.

Original Agreement or Amendment	Budget (\$) Change	Original Project Cost	Revised Project Cost	Project Start	Project Completion	Comments
Original Contract	\$0.00	\$10,339,476.21		09-Aug-17	31-Oct-18	Contract Award to Meyer Consulting, Inc.
Work Change Directive No. 1	\$285,000		\$10,624,476.21	09-Aug-17	31-Oct-18	Add: removal of unsuitable material, additional traffic control, additional excavation, and water line casing and carrier pipe. Final amount to be incorporated into a future change order.

Original Agreement or Amendment	Budget (\$) Change	Original Project Cost	Revised Project Cost	Project Start	Project Completion	Comments
Change Order No. 1	\$7,383.47		\$10,631,859.68	09-Aug-17	31-Oct-18	Add heat-shrink sleeves, additional steel pipe bedding, backfill, and time.

Financial Considerations:

Attached for your review and action is draft CO-01. This change order increases the total Contract Price \$7,383.47 and adds one (1) day to the Contract times. The Change Order consists of the following items:

1. Aquashield Heat-shrink Sleeves – This project includes Owner-Furnished materials (42-inch steel pipe with associated materials and 60-inch duckbill check valve) which were purchased in 2015 based on the original design. Design changes since then require additional heat-shrink sleeves for the 42-inch steel pipe. This change includes the Contractor’s purchase and installation of an additional eleven (11) heat-shrink sleeves necessary to cover the exterior welds on the 42-inch steel outfall pipes under Highway 81.
 - a. The Contractor selected the straight heat-shrink sleeve option which is the Engineer’s preference.
 - b. CH2M and HMG have reviewed this cost and find it acceptable. The total cost for this change item is \$2,055.35.

2. Increase 42-inch Steel Pipe Bedding, Backfill, and Time – The Contractor’s bid for 42-inch pipe excavation, bedding, and backfill was based on drawing CJ301/Detail 4, which showed the spacing between the pipes as 4’-0”. Drawing CJ502 shows the spacing between the pipes as 6’-10”. The Engineer of Record clarified in RFI FMDA-RST-000311 that the correct distance between the 42-inch pipes is 6’-10”. The additional 2’-10” width of excavation adds 275 tons of bedding material and 675 cubic yards of excavation and backfill. The time required to excavate and place the additional fill material is one (1) day.
 - a. CH2M and HMG have reviewed this cost and find it acceptable. The total cost for this change item is \$5,328.12.
 - b. CH2M and HMG have reviewed the additional time requested and find it acceptable.

The PMC and the EOR have reviewed CO-01 and feel the proposed costs and level of effort are reasonable. This change amount of \$7,383.47 is included within the FY-2017 MFDA budget.

ATTACHMENT(S):

- 1. Draft Change Order No. 01 with back-up documentation

Submitted by:

John W. Glatzmaier

 John Glatzmaier
 CH2M
 Metro Flood Diversion Project

September 20, 2017

 Date

 Nathan Boerboom, Diversion Authority Project
 Manager
 Concur: September 20, 2017 Non-Concur: _____

 Robert Zimmerman, Moorhead City Engineer
 Concur: September 20, 2017 Non-Concur _____

 Mark Bittner, Fargo Director of Engineering
 Concur: September 20, 2017 Non-Concur: _____

 Jason Benson, Cass County Engineer
 Concur: September 20, 2017 Non-Concur _____

 David Overbo, Clay County Engineer
 Concur: September 20, 2017 Non-Concur: _____

 Jeff Ebsch, Assistant Cass County Engineer, Diversion
 Authority Project Manager
 Concur: September 20, 2017 Non-Concur _____



Change Order No. 01

Date of Issuance:	<u>9/28/2017</u>	Effective Date:	<u>9/19/2017</u>
Owner:	<u>FM-Flood Diversion Authority</u>	Owner's Contract No.:	<u>WP-43CD</u>
Owner's Representative:	<u>CH2M HILL Engineers, Inc.</u>	Owner's Representative Project No.:	<u>435534</u>
Contractor:	<u>Meyer Contracting, Inc</u>	Contractor's Project No.:	<u></u>
Engineer:	<u>Houston-Moore Group, LLC</u>	Work Package No.:	<u>WP-43CD</u>
Project:	<u>OHB-Ring Levee-Phases C and D</u>	Contract Name:	<u>Oxbow-Hickson-Bakke Ring Levee</u>

The Contract is modified as follows upon execution of this Change Order:

Description:

This change order increases the contract price by \$7,383.47 by adding new line item "0148, Change Order #1", as shown in the attached Change Order No. 1 Unit Price Schedule, and adds 1 day to the contract time. The new line item includes the following items:

1. Aquashield Heat-shrink Sleeves

This project includes Owner-Furnished materials which were purchased in 2015 based on the original design. Design changes since then resulted in there not being enough heat-shrink sleeves for the current project. This change includes the Contractor purchase and installation of an additional eleven (11) heat-shrink sleeves necessary to cover the exterior welds on the 42-inch steel outfall pipes under Highway 81. The total cost of this item is \$2,055.35.

2. Increase Steel Pipe Bedding and Time

The engineer changed the spacing between the pipe from 4'-0" to 6' 10". As a result of this change it requires the placement of an additional 2' 10" width of bedding in between the 42" steel pipes. Additionally, this change increases the excavation and backfill required for the pipes by 657 cubic yards. The time required to excavate and place the additional fill material is 1 day

Attachments:

1. Change Order No. 1 Unit Price Schedule dated 9/19/2017
2. Contractor's letter dated September 6, 2017
3. Contractor's letter dated September 8, 2017

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES <i>[note changes in Milestones if applicable]</i>
Original Contract Price: 10,339,476.21	Original Contract Times: Substantial Completion: <u>July 31, 2018</u> Ready for Final Payment: <u>October 31, 2018</u>
Contract Price prior to this Change Order: 10,339,476.21	Contract Times prior to this Change Order: Substantial Completion: <u>July 31, 2018</u> Ready for Final Payment: <u>October 31, 2018</u>
[Increase] [Decrease] of this Change Order: 7,383.47	[Increase] [Decrease] of this Change Order: Substantial completion increase 1 day
Contract Price incorporating this Change Order: 10,346,859.68	Contract Times with all approved Change Orders: Substantial Completion: <u>August 01, 2018</u> Ready for Final Payment: <u>October 31, 2018</u>

<p>RECOMMENDED:</p> <p>By: _____ Owner's Representative <small>(Authorized Signature)</small></p> <p>Name: <u>Nathan Boerboom</u> Title: <u>Project Manager</u> Date: _____</p>	<p>ACCEPTED:</p> <p>By: _____ Owner <small>(Authorized Signature)</small></p> <p>Name: <u>Robert W. Wilson</u> Title: <u>Co-Executive Director</u> Date: _____</p>	<p>ACCEPTED:</p> <p>By: _____ Contractor <small>(Authorized Signature)</small></p> <p>Name: <u>Verlyn Schoep</u> Title: <u>President</u> Date: _____</p>
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WP-43CD
Oxbow-Hickson-Bakke Ring Levee-Phases C and D

Change Order 1 Unit Price Schedule
 DATE: 9/19/2017



WP-43CD - Oxbow-Hickson-Bakke Ring Levee-Phases C and D											
ITEM	DESCRIPTION	UNIT	Current Budget			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0001	Mobilization	LS	1	\$544,802.00	\$ 544,802.00				1	\$544,802.00	\$ 544,802.00
0002	Demolition	LS	1	\$324,840.00	\$ 324,840.00				1	\$324,840.00	\$ 324,840.00
0003	Clearing and Grubbing	LS	1	\$29,057.00	\$ 29,057.00				1	\$29,057.00	\$ 29,057.00
0004	Temporary Erosion Protection	LS	1	\$66,363.00	\$ 66,363.00				1	\$66,363.00	\$ 66,363.00
0005	Traffic Control	LS	1	\$8,422.00	\$ 8,422.00				1	\$8,422.00	\$ 8,422.00
0006	Care of Water	LS	1	\$44,037.00	\$ 44,037.00				1	\$44,037.00	\$ 44,037.00
0007	Health and Safety	LS	1	\$228,608.00	\$ 228,608.00				1	\$228,608.00	\$ 228,608.00
0008	Work Limit Fencing	LF	33,682	\$1.50	\$ 50,523.00				33682	\$1.50	\$ 50,523.00
0009	Turf Establishment - Zone 1	AC	26	\$304.50	\$ 7,977.90				26	\$304.50	\$ 7,977.90
0010	Turf Establishment - Zone 3	AC	33	\$1,254.00	\$ 41,758.20				33	\$1,254.00	\$ 41,758.20
0011	Turf Establishment - Zone 4	AC	10	\$1,452.00	\$ 14,520.00				10	\$1,452.00	\$ 14,520.00
0012	Topsoil Stripping	SY	143,910	\$1.20	\$ 172,692.00				143910	\$1.20	\$ 172,692.00
0013	Excavation – Common (North Pond)	CY	158,915	\$5.50	\$ 874,032.50				158915	\$5.50	\$ 874,032.50
0014	Inspection Trench	LF	5,274	\$11.00	\$ 58,014.00				5274	\$11.00	\$ 58,014.00
0015	Topsoil	SY	116,850	\$1.00	\$ 116,850.00				116850	\$1.00	\$ 116,850.00
0016	Aggregate Base - Levee top	LF	5,306	\$13.25	\$ 70,304.50				5306	\$13.25	\$ 70,304.50
0017	Aggregate Base - Pump Station Access Road	LF	1,450	\$24.00	\$ 34,800.00				1450	\$24.00	\$ 34,800.00
0018	Low Flow Channel And Pond Access	LF	1,742	\$160.00	\$ 278,720.00				1742	\$160.00	\$ 278,720.00
0019	Levee Access Gate	EA	2	\$12,216.00	\$ 24,432.00				2	\$12,216.00	\$ 24,432.00
0020	Installation of Electrical Conduit furnished by others	LF	855	\$2.90	\$ 2,479.50				855	\$2.90	\$ 2,479.50
0021	Imported fill for backfilling 829 Riverbend Rd	CY	1,500	\$7.30	\$ 10,950.00				1500	\$7.30	\$ 10,950.00
0022	Remove and Replace Unstable Subgrade Material	CY	500	\$74.00	\$ 37,000.00				500	\$74.00	\$ 37,000.00
0023	Gravity Drain Inlet Structure	LS	1	\$59,057.00	\$ 59,057.00				1	\$59,057.00	\$ 59,057.00

WP-43CD - Oxbow-Hickson-Bakke Ring Levee-Phases C and D											
ITEM	DESCRIPTION	UNIT	Current Budget			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0024	Pump Station Structure	LS	1	\$1,392,662.00	\$ 1,392,662.00				1	\$1,392,662.00	\$ 1,392,662.00
0025	Pump Station Process Equipment	LS	1	\$60,000.00	\$ 60,000.00				1	\$60,000.00	\$ 60,000.00
0026	Forcemain Piping	LF	575	\$262.50	\$ 150,937.50				575	\$262.50	\$ 150,937.50
0027	Gatewell	LS	1	\$561,313.00	\$ 561,313.00				1	\$561,313.00	\$ 561,313.00
0028	Storm Sewer RCP w/ Catch Basins, Manholes and Connections	LS	1	\$852,711.00	\$ 852,711.00				1	\$852,711.00	\$ 852,711.00
0029	Transition Structure 1 and Appurtenances	LS	1	\$25,898.00	\$ 25,898.00				1	\$25,898.00	\$ 25,898.00
0030	Pre-Construction Pipe Repair	SF	1,000	\$4.40	\$ 4,400.00				1000	\$4.40	\$ 4,400.00
0031	Install Storm Sewer 42-inch Steel Pipe Sections Furnished by Others	LS	1	\$97,059.00	\$ 97,059.00				1	\$97,059.00	\$ 97,059.00
0032	Cathodic Protection System for Steel Pipe	LS	1	\$31,173.00	\$ 31,173.00				1	\$31,173.00	\$ 31,173.00
0033	Transition Structure 2 and Appurtenances	LS	1	\$26,265.00	\$ 26,265.00				1	\$26,265.00	\$ 26,265.00
0034	Gravity Drain Outlet Structure with Duckbill Check Valve	LS	1	\$129,038.00	\$ 129,038.00				1	\$129,038.00	\$ 129,038.00
0035	Excavation – Common (Gravity Outfall)	CY	44,500	\$6.90	\$ 307,050.00				44500	\$6.90	\$ 307,050.00
0036	Riprap with Filter	TN	1,500	\$114.00	\$ 171,000.00				1500	\$114.00	\$ 171,000.00
0037	Pump Station Electrical System	LS	1	\$488,000.00	\$ 488,000.00				1	\$488,000.00	\$ 488,000.00
0038	Pump Station Communications System	LS	1	\$1,600.00	\$ 1,600.00				1	\$1,600.00	\$ 1,600.00
0039	Gatewell Electrical System	LS	1	\$12,000.00	\$ 12,000.00				1	\$12,000.00	\$ 12,000.00
0040	Pump Station HVAC Mechanical System	LS	1	\$30,303.00	\$ 30,303.00				1	\$30,303.00	\$ 30,303.00
0041	Topsoil Stripping	SY	5,950	\$1.90	\$ 11,305.00				5950	\$1.90	\$ 11,305.00
0042	Sign - Remove & Reinstall	EA	8	\$100.00	\$ 800.00				8	\$100.00	\$ 800.00
0043	Mailbox - Remove & Reinstall	EA	5	\$315.00	\$ 1,575.00				5	\$315.00	\$ 1,575.00
0044	Temporary Mailbox	LS	1	\$1,575.00	\$ 1,575.00				1	\$1,575.00	\$ 1,575.00
0045	Curb & Gutter - Remove	LF	3,550	\$0.95	\$ 3,372.50				3550	\$0.95	\$ 3,372.50
0046	Asphalt - Remove	SY	4,800	\$4.50	\$ 21,600.00				4800	\$4.50	\$ 21,600.00
0047	Concrete Driveway - Remove	SY	205	\$6.00	\$ 1,230.00				205	\$6.00	\$ 1,230.00
0048	Asphalt Driveway - Remove	SY	45	\$8.80	\$ 396.00				45	\$8.80	\$ 396.00
0049	Sanitary Sewer - Remove	LF	1,380	\$12.00	\$ 16,560.00				1380	\$12.00	\$ 16,560.00

WP-43CD - Oxbow-Hickson-Bakke Ring Levee-Phases C and D

ITEM	DESCRIPTION	UNIT	Current Budget			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0050	Sanitary Sewer Manhole - Remove	EA	2	\$515.50	\$ 1,031.00				2	\$515.50	\$ 1,031.00
0051	Sanitary Sewer - 8" PVC SDR 35	LF	2,175	\$58.50	\$ 127,237.50				2175	\$58.50	\$ 127,237.50
0052	Sanitary Sewer Main - Televised	LF	2,175	\$1.50	\$ 3,262.50				2175	\$1.50	\$ 3,262.50
0053	Steel Casing - 10"	LF	32	\$123.00	\$ 3,936.00				32	\$123.00	\$ 3,936.00
0054	Sanitary Sewer Service Connection	EA	7	\$2,770.00	\$ 19,390.00				7	\$2,770.00	\$ 19,390.00
0055	Sanitary Sewer – Connect to Existing	EA	2	\$1,905.00	\$ 3,810.00				2	\$1,905.00	\$ 3,810.00
0056	Sanitary Sewer Manhole	EA	12	\$6,602.00	\$ 79,224.00				12	\$6,602.00	\$ 79,224.00
0057	Water Main – Remove	LF	460	\$8.90	\$ 4,094.00				460	\$8.90	\$ 4,094.00
0058	Water Main – Connect to Existing	EA	1	\$2,730.00	\$ 2,730.00				1	\$2,730.00	\$ 2,730.00
0059	Water Main – 6"	LF	10	\$103.00	\$ 1,030.00				10	\$103.00	\$ 1,030.00
0060	Hydrant – Remove & Replace	EA	1	\$6,561.00	\$ 6,561.00				1	\$6,561.00	\$ 6,561.00
0061	Gate Valve & Box – 6"	EA	1	\$1,698.00	\$ 1,698.00				1	\$1,698.00	\$ 1,698.00
0062	Temporary Bypass Pumping	LS	1	\$3,781.00	\$ 3,781.00				1	\$3,781.00	\$ 3,781.00
0063	Subgrade Preparation	SY	4,970	\$6.80	\$ 33,796.00				4970	\$6.80	\$ 33,796.00
0064	Reinforcement Fabric	SY	4,970	\$1.30	\$ 6,461.00				4970	\$1.30	\$ 6,461.00
0065	Aggregate Base Course - 7"	SY	4,970	\$3.00	\$ 14,910.00				4970	\$3.00	\$ 14,910.00
0066	Perforated PVC Drain Tile - 4"	LF	2,980	\$5.30	\$ 15,794.00				2980	\$5.30	\$ 15,794.00
0067	Sump Pump - Connect to Drain Tile	EA	6	\$365.50	\$ 2,193.00				6	\$365.50	\$ 2,193.00
0068	Curb & Gutter - 24" Highback	LF	2,820	\$16.50	\$ 46,530.00				2820	\$16.50	\$ 46,530.00
0069	Curb & Gutter - 24" Mountable	LF	160	\$24.50	\$ 3,920.00				160	\$24.50	\$ 3,920.00
0070	Asphalt Base Course - 5"	SY	3,920	\$19.75	\$ 77,420.00				3920	\$19.75	\$ 77,420.00
0071	Asphalt Wear Course - 2"	SY	3,920	\$8.50	\$ 33,320.00				3920	\$8.50	\$ 33,320.00
0072	Concrete Driveway - 6"	SY	250	\$64.75	\$ 16,187.50				250	\$64.75	\$ 16,187.50
0073	Topsoil Replacement	SY	7,310	\$2.30	\$ 16,813.00				7310	\$2.30	\$ 16,813.00
0074	Turf Establishment - Zone 2	AC	1.5	\$3,026.00	\$ 4,539.00				2	\$3,026.00	\$ 4,539.00
0075	Temporary Access	LS	1	\$12,106.00	\$ 12,106.00				1	\$12,106.00	\$ 12,106.00

WP-43CD - Oxbow-Hickson-Bakke Ring Levee-Phases C and D

ITEM	DESCRIPTION	UNIT	Current Budget			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0076	Portable Traffic Signals	EA	2	\$6,000.00	\$ 12,000.00				2	\$6,000.00	\$ 12,000.00
0077	Storm Sewer 15-inch RCP	LF	211	\$49.25	\$ 10,391.75				211	\$49.25	\$ 10,391.75
0078	Storm Sewer 18-inch RCP	LF	13	\$65.75	\$ 854.75				13	\$65.75	\$ 854.75
0079	Storm Sewer 24-inch RCP	LF	209	\$86.50	\$ 18,078.50				209	\$86.50	\$ 18,078.50
0080	Storm Sewer 27-inch RCP	LF	617	\$103.50	\$ 63,859.50				617	\$103.50	\$ 63,859.50
0081	Storm Sewer 30-inch RCP	LF	291	\$113.50	\$ 33,028.50				291	\$113.50	\$ 33,028.50
0082	Storm Sewer 36-inch RCP	LF	454	\$155.50	\$ 70,597.00				454	\$155.50	\$ 70,597.00
0083	Storm Sewer 42-inch RCP	LF	34	\$210.50	\$ 7,157.00				34	\$210.50	\$ 7,157.00
0084	Storm Sewer 54-inch RCP	LF	935	\$307.00	\$ 287,045.00				935	\$307.00	\$ 287,045.00
0085	Storm Sewer 66-inch RCP	LF	352	\$417.50	\$ 146,960.00				352	\$417.50	\$ 146,960.00
0086	Storm Sewer 72-inch RCP	LF	97	\$482.50	\$ 46,802.50				97	\$482.50	\$ 46,802.50
0087	Flared End Section – 72" RCP	EA	1	\$3,726.00	\$ 3,726.00				1	\$3,726.00	\$ 3,726.00
0088	Trash Rack – 72"	EA	1	\$3,952.00	\$ 3,952.00				1	\$3,952.00	\$ 3,952.00
0089	Storm Sewer Control Structure – 60-inch Precast	EA	1	\$21,712.00	\$ 21,712.00				1	\$21,712.00	\$ 21,712.00
0090	Storm Sewer Manhole – 60-inch Precast	EA	6	\$7,364.00	\$ 44,184.00				6	\$7,364.00	\$ 44,184.00
0091	Storm Sewer Manhole – 72-inch Precast	EA	3	\$9,922.00	\$ 29,766.00				3	\$9,922.00	\$ 29,766.00
0092	Storm Sewer Manhole – 96-inch Precast	EA	1	\$15,564.00	\$ 15,564.00				1	\$15,564.00	\$ 15,564.00
0093	Junction Storm Sewer Manhole – 144-inch Precast	EA	2	\$31,801.00	\$ 63,602.00				2	\$31,801.00	\$ 63,602.00
0094	Storm Sewer Curb Inlets – 2' x 3'	EA	8	\$3,084.00	\$ 24,672.00				8	\$3,084.00	\$ 24,672.00
0095	Storm Sewer - Remove	LF	2,280	\$18.50	\$ 42,180.00				2280	\$18.50	\$ 42,180.00
0096	Storm Sewer Manhole - Remove	EA	2	\$564.00	\$ 1,128.00				2	\$564.00	\$ 1,128.00
0097	Storm Sewer Catch Basin - Remove	EA	8	\$564.00	\$ 4,512.00				8	\$564.00	\$ 4,512.00
0098	Storm Sewer – Connect to Existing	EA	1	\$1,808.00	\$ 1,808.00				1	\$1,808.00	\$ 1,808.00
0099	Removal Of Pavement	TON	11,410	\$6.80	\$ 77,588.00				11410	\$6.80	\$ 77,588.00
0100	Removal Of Culverts-All Types & Sizes	LF	136	\$13.75	\$ 1,870.00				136	\$13.75	\$ 1,870.00
0101	Common Excavation-Type A	CY	8,411	\$3.20	\$ 26,915.20				8411	\$3.20	\$ 26,915.20

WP-43CD - Oxbow-Hickson-Bakke Ring Levee-Phases C and D											
ITEM	DESCRIPTION	UNIT	Current Budget			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0102	Topsoil	CY	6,812	\$5.80	\$ 39,509.60				6812	\$5.80	\$ 39,509.60
0103	Borrow-Excavation	CY	59,746	\$3.90	\$ 233,009.40				59746	\$3.90	\$ 233,009.40
0104	Water	M GAL	883	\$15.00	\$ 13,245.00				883	\$15.00	\$ 13,245.00
0105	Subgrade Preparation- Type A	STA	4	\$882.00	\$ 3,528.00				4	\$882.00	\$ 3,528.00
0106	Seeding Class II	ACRE	10	\$472.00	\$ 4,918.24				10	\$472.00	\$ 4,918.24
0107	Temporary Cover Crop	ACRE	10	\$127.00	\$ 1,323.34				10	\$127.00	\$ 1,323.34
0108	Straw Mulch	ACRE	21	\$304.50	\$ 6,345.78				21	\$304.50	\$ 6,345.78
0109	Fiber Rolls 12in	LF	1,160	\$2.30	\$ 2,668.00				1160	\$2.30	\$ 2,668.00
0110	Remove Fiber Rolls 12in	LF	385	\$0.35	\$ 134.75				385	\$0.35	\$ 134.75
0111	Salvaged Base Course	TON	9,439	\$18.50	\$ 174,621.50				9439	\$18.50	\$ 174,621.50
0112	Tack Coat	GAL	1,366	\$4.90	\$ 6,693.40				1366	\$4.90	\$ 6,693.40
0113	Superpave FAA 42	TON	5,028	\$41.00	\$ 206,148.00				5028	\$41.00	\$ 206,148.00
0114	Cored Sample	EA	21	\$85.00	\$ 1,785.00				21	\$85.00	\$ 1,785.00
0115	Pg. 58-28 Asphalt Cement	TON	302	\$450.00	\$ 135,900.00				302	\$450.00	\$ 135,900.00
0116	Traffic Control Signs	UNIT	3,923	\$2.00	\$ 7,846.00				3923	\$2.00	\$ 7,846.00
0117	Type III Barricade	EA	23	\$115.00	\$ 2,645.00				23	\$115.00	\$ 2,645.00
0118	Delineator Drums	EA	25	\$10.00	\$ 250.00				25	\$10.00	\$ 250.00
0119	Tubular Markers	EA	81	\$3.00	\$ 243.00				81	\$3.00	\$ 243.00
0120	Traffic Control	L SUM	1	\$3,496.00	\$ 3,496.00				1	\$3,496.00	\$ 3,496.00
0121	Portable Changeable Message Sign	EA	2	\$3,000.00	\$ 6,000.00				2	\$3,000.00	\$ 6,000.00
0122	Geosynthetic Material Type R1	SY	16,100	\$1.40	\$ 22,540.00				16100	\$1.40	\$ 22,540.00
0123	Pipe Conc Reinf 241n CL III	LF	110	\$88.75	\$ 9,762.50				110	\$88.75	\$ 9,762.50
0124	End Sect-Conc Reinf 24in	EA	2	\$1,017.00	\$ 2,034.00				2	\$1,017.00	\$ 2,034.00
0125	Pipe Corr Steel .0641n 24in	LF	102	\$73.00	\$ 7,446.00				102	\$73.00	\$ 7,446.00
0126	End Sect Corr Steel .0641n 24in	EA	4	\$372.00	\$ 1,488.00				4	\$372.00	\$ 1,488.00
0127	Flat Sheet For Signs-Type XI Refl Sheeting	SF	6	\$22.00	\$ 138.60				6	\$22.00	\$ 138.60

WP-43CD - Oxbow-Hickson-Bakke Ring Levee-Phases C and D													
ITEM	DESCRIPTION	UNIT	Current Budget			Net Change			New Budget				
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT		
0128	Steel Galv Posts-Telescoping Perforated Tube	LF	17	\$16.00	\$ 270.40				17	\$16.00	\$ 270.40		
0129	Pvmt Mk Painted 4in Line	LF	11,012	\$0.35	\$ 3,854.20				11012	\$0.35	\$ 3,854.20		
0130	Pvmt Mk Painted 8in Line	LF	260	\$0.35	\$ 91.00				260	\$0.35	\$ 91.00		
0131	Dust Palliative Material	GAL	5,452	\$3.30	\$ 17,991.60				5452	\$3.30	\$ 17,991.60		
0132	Force Main - 6" PVC	LF	2,700	\$20.00	\$ 54,000.00				2700	\$20.00	\$ 54,000.00		
0133	Force Main - 8" PVC	LF	2,700	\$24.25	\$ 65,475.00				2700	\$24.25	\$ 65,475.00		
0134	Sanitary Manhole - Type "E"	EA	2	\$21,368.00	\$ 42,736.00				2	\$21,368.00	\$ 42,736.00		
0135	Remove SS Force Main	EA	2	\$1,804.00	\$ 3,608.00				2	\$1,804.00	\$ 3,608.00		
0136	Force Main - Connect to Existing	EA	4	\$2,154.00	\$ 8,616.00				4	\$2,154.00	\$ 8,616.00		
0137	Plug Valve - 6"	EA	2	\$1,659.00	\$ 3,318.00				2	\$1,659.00	\$ 3,318.00		
0138	Plug Valve - 8"	EA	2	\$2,011.00	\$ 4,022.00				2	\$2,011.00	\$ 4,022.00		
0139	Sanitary Sewer Force Main Fittings	LBS	326	\$40.00	\$ 13,040.00				326	\$40.00	\$ 13,040.00		
0140	15" RCP ST	LF	40	\$121.00	\$ 4,840.00				40	\$121.00	\$ 4,840.00		
0141	Gravel - Class 5	CY	25	\$81.25	\$ 2,031.25				25	\$81.25	\$ 2,031.25		
0142	4" Insulation	SY	45	\$87.25	\$ 3,926.25				45	\$87.25	\$ 3,926.25		
0143	18" Steel Casing Pipe w/ CLSM	LF	460	\$229.50	\$ 105,570.00				460	\$229.50	\$ 105,570.00		
0144	Cathodic Protection System	LS	1	\$40,036.00	\$ 40,036.00				1	\$40,036.00	\$ 40,036.00		
0145	Topsoil Stripping	SY	19000	\$0.40	\$ 7,600.00				19000	\$0.40	\$ 7,600.00		
0146	Topsoil Spread	SY	19000	\$0.95	\$ 18,050.00				19000	\$0.95	\$ 18,050.00		
0147	Turf Establishment - Zone 3	AC	3.9	\$1,254.00	\$ 4,890.60				4	\$1,254.00	\$ 4,890.60		
0148	Chang Order #1	EA				1	\$ 7,383.47	\$ 7,383.47	1.0	\$ 7,383.47	\$ 7,383.47		
WP-43CD - TOTAL AMOUNT			CURRENT BUDGET			\$ 10,399,476.21	NET CHANGE			\$ 7,383.47	NEW BUDGET		\$ 10,406,859.68



September 6, 2017

Mr. Mitchell Haskins, Project Construction Manager
CH2M HILL Engineers, Inc.
64 4th Street North, Suite 300
Fargo, ND 58103

Subject: Oxbow-Hickson-Bakke Ring Levee-Phases C and D; Work Package 43CD
Change Order Request – Steel Pipe Bedding Detail Change

Dear Mr. Haskins,

The response to RFI FMDA-RSR-000311 modifies the Contract in that on Detail 4 on Sheet CJ301 the spacing is to be changed to 6' 10" between the dual steel pipes. As a result of this change, we will now be required to place an additional 2' 10" width of bedding in between the 42" steel pipes. Additionally, this change also increases the amount of excavation and backfill required for these pipes.

Based on our calculations, we will be required to place an additional 275.4 tons of bedding and be required to excavate and backfill an additional 657.48 cubic yards of trench material to accommodate the dimensional change.

We hereby request \$5,328.12 be added to our contract to compensate us for this change. Attached is a breakdown of the calculation for this amount. In addition to this cost adjustment, we request that an additional 0.5 days be added to the contract time for the associated milestone(s).

Thank you.

Respectfully,

A handwritten signature in blue ink, appearing to read 'Jeremy Gibbs', is written over a light blue circular stamp.

Jeremy Gibbs
Meyer Contracting, Inc.

09/06/2017 11:28
171297EXTRA3 42" Steep Pipe Spacing Change
*** Jeremy Gibbs

BID TOTALS

<u>Biditem</u>	<u>Description</u>	<u>Status - Rnd</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Bid Total</u>
10	ADDITIONAL EXCAVATION		657.480	CYEV	3.89	2,557.60
20	ADDITIONAL PIPE BEDDING		275.400	TN	10.06	2,770.52
			Bid Total	=====>		\$5,328.12

Direct Cost Report

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Mat/Exp	Equipment Ownership	Equipment Operation	Sub-Contract	Total
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BID ITEM = 10

Description = ADDITIONAL EXCAVATION Unit = CYEV Takeoff Quan: 657.480 Engr Quan: 657.480

200000 INSTALL 42" STEEL PIPE (ADDITIONAL EXC.) **Quan: -9,861.34** **CYEV** **Hrs/Shft: 12.00** **Cal: 72** **WC: NONE**

ADDITIONAL EXCAVATION & BACKFILL, ORIGINAL BID WAS BASED ON APPROXIMATELY 9,861.34 CY OF EXCAVATION, REVISED ESTIMATED EXCAVATION EQUALS 10,518.82, THIS INCREASED BY 657.48 CY

UTST	Description	Quantity	Unit	Prod	UH	Lab Pcs	Cal	Eqp Pcs	Sub-Contract	Total	
	Utility - Deep Storm Sewer	-41.33	CH	238.5810			6.00	4.50			
4WELD	WELDING SUB	1.00	-48.00 HR	125.000					-6,001	-6,001	
8B349	349F Cat excavator	1.00	-41.33 HR	105.000				-2,477	-1,865	-4,341	
8C51	54" sheepsfoot compact	0.20	-8.27 HR	37.000				-146	-162	-307	
8D6T	D6TXW Cat dozer	1.00	-41.33 HR	83.000				-2,014	-1,419	-3,431	
8L950	950M Cat wheel loader	0.30	-12.40 HR	57.000				-433	-276	-708	
8TPIUF	Pickup truck w/foreman	1.00	-41.33 HR	15.000				-621		-621	
8UTB24	Trench box - 24'	1.00	-41.33 HR	5.000				-208		-208	
FORE	Supervisory - Foreman	1.00	-41.33 MH	47.000		-3,696				-3,696	
LB	Laborer - Bottom Man	2.00	-82.67 MH	33.700		-5,676				-5,676	
LPL	Laborer - Pipe Layer	1.00	-41.33 MH	35.500		-2,950				-2,950	
OB	Operator - Backhoe	1.00	-41.33 MH	36.390		-3,088				-3,088	
OD	Operator - Dozer	0.50	-20.67 MH	36.390		-1,545				-1,545	
OLC	Operator - Loader	0.30	-12.40 MH	34.840		-898				-898	
OR	Operator - Compactor	0.20	-8.27 MH	30.290		-542				-542	
\$-33,996.30	0.0251	-248.0000		[]		-18,388		-5,892	-3,719	-6,001	-33,997
	2,863.2006 Un/Shift		39.7635 Unit/MH			1.86		0.60	0.38	0.61	3.45

200000A INSTALL 42" STEEL PIPE (ADDITIONAL EXC.) **Quan: 10,518.82** **CYEV** **Hrs/Shft: 12.00** **Cal: 72** **WC: NONE**

ADDITIONAL EXCAVATION & BACKFILL, ORIGINAL BID WAS BASED ON APPROXIMATELY 9,861.34 CY OF EXCAVATION, REVISED ESTIMATED EXCAVATION EQUALS 10,518.82, THIS INCREASED BY 657.48 CY

UTST	Description	Quantity	Unit	Prod	UH	Lab Pcs	Cal	Eqp Pcs	Sub-Contract	Total
	Utility - Deep Storm Sewer	44.08	CH	238.5810			6.00	4.50		
4WELD	WELDING SUB	1.00	51.20 HR	125.000					6,400	6,400
8B349	349F Cat excavator	1.00	44.09 HR	105.000				2,641	1,988	4,629
8C51	54" sheepsfoot compact	0.20	8.82 HR	37.000				154	172	326
8D6T	D6TXW Cat dozer	1.00	44.09 HR	83.000				2,147	1,512	3,659
8L950	950M Cat wheel loader	0.30	13.23 HR	57.000				460	294	754
8TPIUF	Pickup truck w/foreman	1.00	44.09 HR	15.000				661		661
8UTB24	Trench box - 24'	1.00	44.09 HR	5.000				220		220
FORE	Supervisory - Foreman	1.00	44.09 MH	47.000		3,941				3,941
LB	Laborer - Bottom Man	2.00	88.18 MH	33.700		6,053				6,053
LPL	Laborer - Pipe Layer	1.00	44.09 MH	35.500		3,145				3,145
OB	Operator - Backhoe	1.00	44.09 MH	36.390		3,293				3,293

Direct Cost Report

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equipment Ownership	Equipment Operation	Sub-Contract	Total
BID ITEM = 10											
Description = ADDITIONAL EXCAVATION			Unit =	CYEV	Takeoff Quan:	657.480	Engr Quan:	657.480			
OD	Operator - Dozer	0.50	22.04 MH	36.390	1,646						1,646
OLC	Operator - Loader	0.30	13.23 MH	34.840	957						957
OR	Operator - Compactor	0.20	8.82 MH	30.290	577						577
\$36,264.40	0.0251 MH/CYEV		264.5400MH	[1.132]	19,613			6,285	3,966	6,400	36,264
	2,863.5626 Un/Shift		39.7627 Unit/MH		1.86			0.60	0.38	0.61	3.45
<hr/>											
=====>	Item Totals:	10	- ADDITIONAL EXCAVATION								
\$2,268.10	0.0251 MH/CYEV		16.54MH	[18.113]	1,226			393	248	400	2,268
3.450	657.48 CYEV				1.87			0.60	0.38	0.61	3.45
<hr/>											

Direct Cost Report

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equipment Ownership	Equipment Operation	Sub-Contract	Total
<hr/>											
BID ITEM	=	20									
Description =	ADDITIONAL PIPE BEDDING		Unit =	TN	Takeoff Quan:	275.400	Engr Quan:	275.400			
900000	PIPE BEDDING STEEL PIPE		Quan:	275.40 TN	Hrs/Shift:	12.00	Cal:	72	WC:	NONE	
ADDITIONAL BEDDING NEEDED FOR WIDENED BEDDING DETAIL 4 ON SHEET CJ301											
2AGSA12	CLASS 3 AGGREGA@106	1.00	275.40 TN	8.177		2,398					2,398
\$2,398.38				[]		2,398					2,398
						8.71					8.71
<hr/>											
=====>	Item Totals:	20	- ADDITIONAL PIPE BEDDING								
\$2,398.38				[]		2,398					2,398
8.709		275.4 TN				8.71					8.71
<hr/>											

Direct Cost Report

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equipment Ownership	Equipment Operation	Sub- Contract	Total
\$4,666.48	*** Report Totals ***	16.54	MH		1,226	2,398		393	248	400	4,666

>>> **indicates Non Additive Activity**

-----Report Notes:-----
 The estimate was prepared with TAKEOFF Quantities.
 This report shows TAKEOFF Quantities with the resources.

Bid Date: Owner: Engineering Firm:
 Estimator-In-Charge:

* on units of MH indicate average labor unit cost was used rather than base rate.
 [] in the Unit Cost Column = Labor Unit Cost Without Labor Burdens
 In equipment resources, rent % and EOE % not = 100% are represented as XXX%YYY where XXX=Rent% and YYY=EOE%
 -----Calendar Codes-----
 50 50 Hour Work Week
 508 Five eight hour days
 60 60 hours per week
 72 **72 Hours per week (Default Calendar)**
 82 6 -12 hr days & 10 hr on Sun

8	Bedding Below Pipe (Inches)
82.25	Bedding on Each Side of Pipe (Inches)
12	Bedding Above Pipe (Inches)
100.00%	Bedding Height in Pipe Area (%)
1.00	Backslope Run (LF) per LF of Rise
18	Depth of Bedding Section with no Backslope) (Inches)
1.875	Bedding Conversion Rate to Tons
1,573.87	Total Bedding Needed (Tons):
898.63	Total Pipe & Bedding Displacement (CYEV):

ONLY MAKE ENTRIES/MODIFICATIONS IN YELLOW CELLS

Pipe Size / Type	Total Length of Pipe (LF)	Total Bedding Area (SI)	Bedding (CY)	Bedding (Tons)	Total Displacement (CY)
Steel Pipe - 4' Spacing					
42	248	14087	799.43	1,573.87	898.63

8	Bedding Below Pipe (Inches)				
99.25	Bedding on Each Side of Pipe (Inches)				
12	Bedding Above Pipe (Inches)				
100.00%	Bedding Height in Pipe Area (%)				
1.00	Backslope Run (LF) per LF of Rise				
18	Depth of Bedding Section with no Backslope) (Inches)				
1.875	Bedding Conversion Rate to Tons				
1,849.27	Total Bedding Needed (Tons):				
1,038.52	Total Pipe & Bedding Displacement (CYEV):				
ONLY MAKE ENTRIES/MODIFICATIONS IN YELLOW CELLS					
Pipe Size / Type	Total Length of Pipe (LF)	Total Bedding Area (SI)	Bedding (CY)	Bedding (Tons)	Total Displacement (CY)
Steel Pipe - 4' Spacing					
42	248	16280	939.31	1,849.27	1,038.52

Patrick Baldy

From: Aconex Notification (F-M Area Diversion) <noreply@aconex.com>
Sent: Tuesday, August 29, 2017 6:38 PM
To: Patrick Baldy
Subject: FMDA-RSR-000311: Re: 43CD Dual 42" Steel Pipe Spacing Response

Dear Patrick,

You have received a new [Response to RFI: FMDA-RSR-000311](#)

Project: F-M Area Diversion

Type: Response to RFI

Mail Number: FMDA-RSR-000311

To: Todd Frerk, Meyer Contracting, Inc.

Cc: Mr Greg Baisch, Diversion Authority

Paul Barthel, Diversion Authority

Nathan Boerboom, Diversion Authority

Mitchell Haskins, Diversion Authority

Patrick Baldy, Meyer Contracting, Inc.

Brenden Davis, Meyer Contracting, Inc.

MistyLee Quast, Meyer Contracting, Inc.

Verlyn Schoep, Meyer Contracting, Inc.

From: C Submittal Coordinator, Diversion Authority

Sent: 8/29/17 4:37:45 PM PDT (GMT -07:00)

Status: N/A

Subject: **Re: 43CD Dual 42" Steel Pipe Spacing Response**

Sub-Program: System Wide

Project Name: WP43CD - OHB Ring Levee Phases C and D

Functional Area/Discipline: Design Management

Reference No:

Reference Documents Attached: Yes

Cost Impact: Yes

Schedule Impact: Yes

Work Impact: Impeded

Description/Information Requested: Detail 4 on CJ301 shows 4'0" spacing between dual 42" steel pipe (dual gravity drain).
Details 1&3 on CJ502 show 6'10" spacing between dual 42" steel pipe (dual gravity drain).

Proposed Solution: Clarify if spacing between dual 42" steel pipes is to be 4'0" or 6'10".

Response: Spacing between dual 42" steel pipes is 6'-10"

For Detail 4 on CJ301, the 4'-0" spacing shall be revised to 6'-10"

Aconex

Project success. Easy as Aconex.

This email is automatically generated by Aconex.

If you would like to turn off email messages, log into Aconex and edit your "Notifications" user preferences.

If you need assistance please contact our helpdesk at the following numbers :

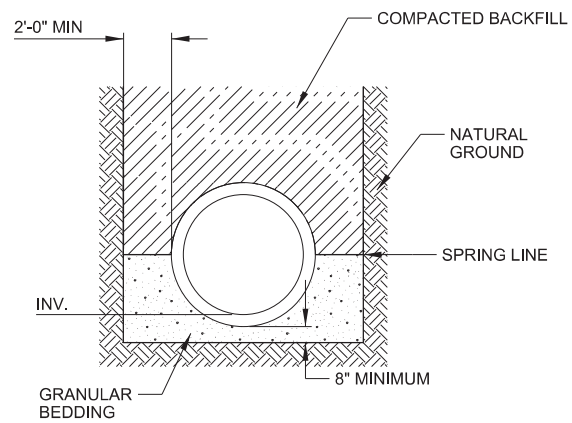
: 1 888 5 ACONEX

Int: 1 888 5 ACONEX

Regards,

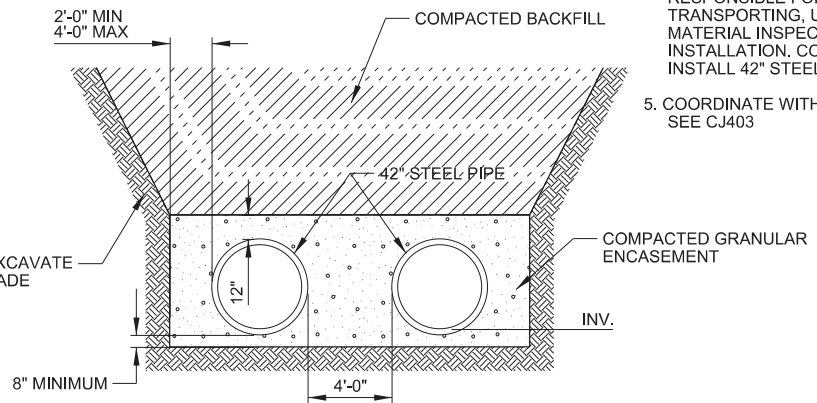
The Aconex Team

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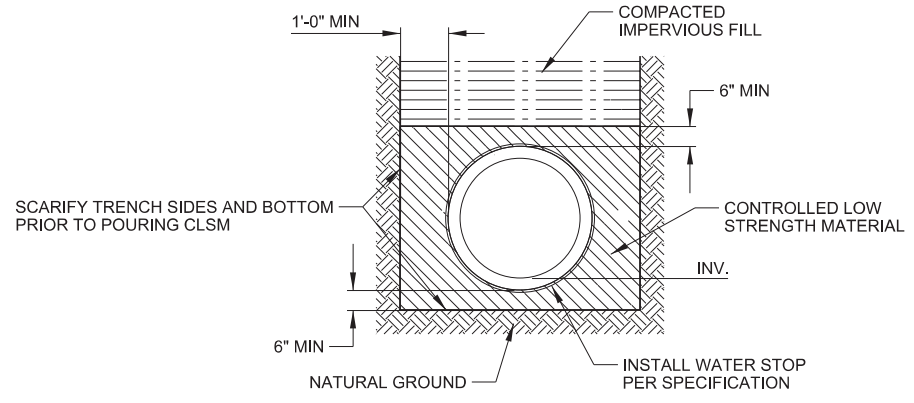
1 SECTION: PIPE BEDDING - RCP
 CJ102 NOT TO SCALE
 CJ103 STA 0+95 TO 3+40
 STA 5+00 TO 11+43
 STA 14+07 TO 16+81
 STA 0+00A TO 0+69A

- NOTES FOR SECTIONS 1-4:**
- FURNISH ALL EXCAVATIONS IN CONFORMANCE WITH APPLICABLE OSHA LAWS AND REGULATIONS INCLUDING PROPER EGRESS, SLOPING AND BENCHING, EVALUATION BY A COMPETENT PERSON, HAZARDOUS ATMOSPHERES, AND TRAINING. TRENCH EXCAVATIONS EXCEEDING 20-FEET IN DEPTH SHALL BE DESIGNED BY A NORTH DAKOTA REGISTERED ENGINEER ASSUMING DRAINED AND UNDRAINED SOIL CONDITIONS.
 - SEE SPECIFICATION SECTION 33 40 00 FOR COMPACTION REQUIREMENTS.
 - INSTALL MARKING TAPE ABOVE HDPE PIPE PER SPECIFICATIONS.

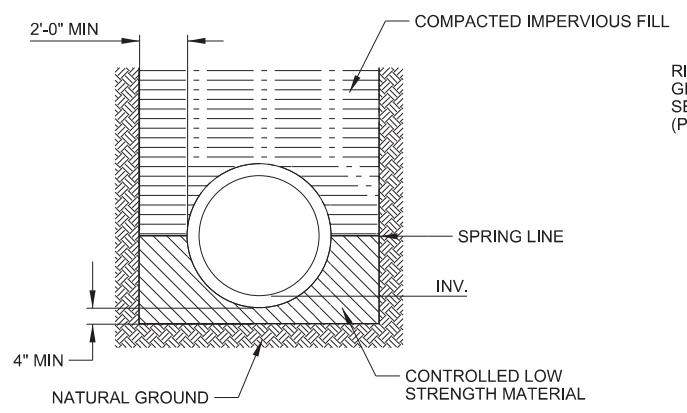


4 SECTION: PIPE BEDDING - STEEL PIPE (DUAL GRAVITY DRAIN)
 CJ403 NOT TO SCALE
 STA 11+50 TO 14+00

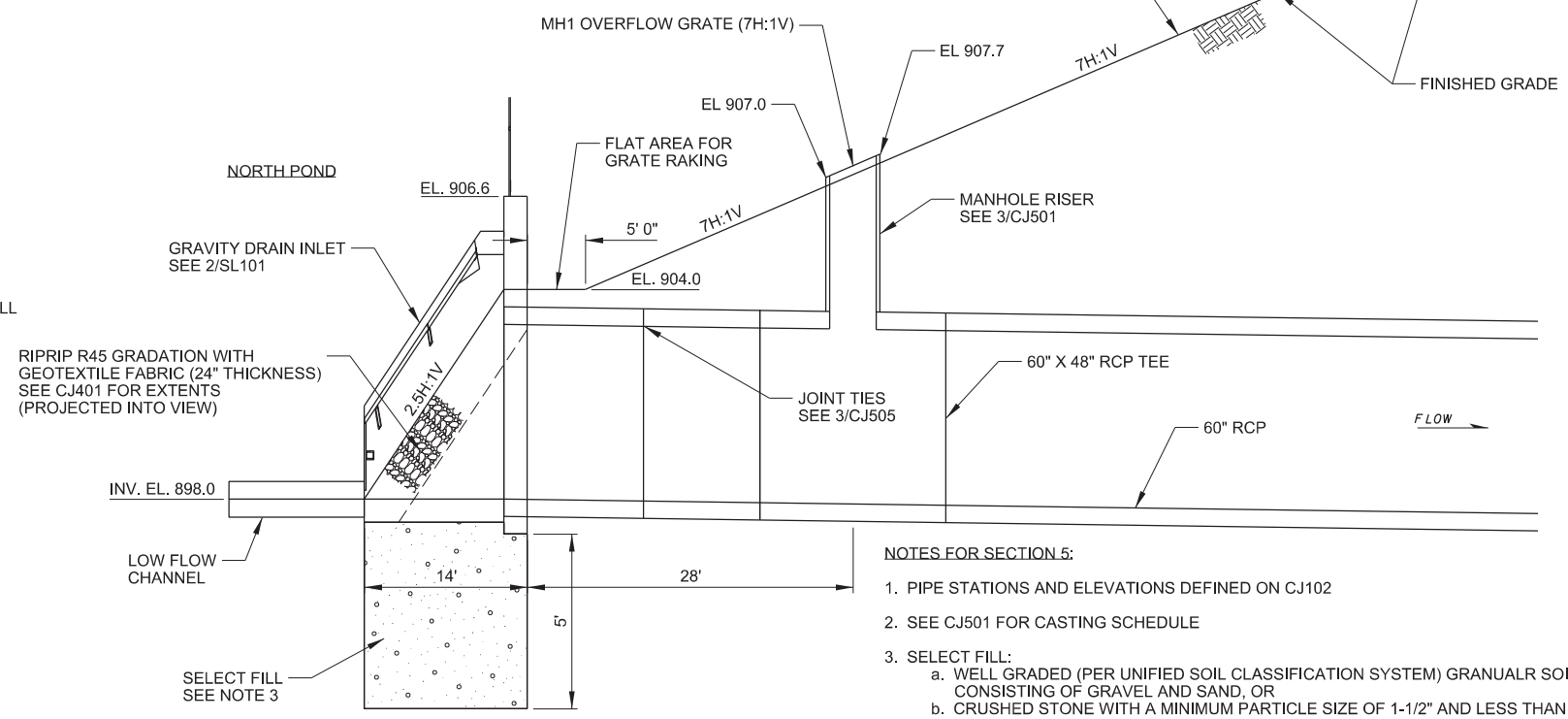
- NOTE FOR SECTION 4 ONLY:**
- OWNER HAS PURCHASED 42" STEEL PIPE AND "LIFELAST DURASHIELD 210" COATING PATCH KIT. THESE ITEMS ARE STORED AT CASS COUNTY HIGHWAY DEPARTMENT, WHERE THEY ARE TO BE FURNISHED TO CONTRACTOR. CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE FOR OWNER-FURNISHED PRODUCTS. CONTRACTOR SHALL BE RESPONSIBLE FOR LOADING, TRANSPORTING, UNLOADING, AND MATERIAL INSPECTIONS PRIOR TO INSTALLATION. CONTRACTOR SHALL INSTALL 42" STEEL PIPE.
 - COORDINATE WITH CATHODIC PROTECTION, SEE CJ403



2 SECTION: PIPE BEDDING - HDPE (LEVEE)
 CJ102 NOT TO SCALE
 STA 0+98A TO 2+21A



3 SECTION: PIPE BEDDING - RCP (LEVEE)
 CJ102 NOT TO SCALE
 STA 3+40 TO 4+04
 STA 4+31 TO 5+00



5 SECTION: GRAVITY DRAIN INLET PIPE AND POND SLOPE
 CJ102 NOT TO SCALE

- NOTES FOR SECTION 5:**
- PIPE STATIONS AND ELEVATIONS DEFINED ON CJ102
 - SEE CJ501 FOR CASTING SCHEDULE
 - SELECT FILL:
 - WELL GRADED (PER UNIFIED SOIL CLASSIFICATION SYSTEM) GRANULAR SOIL CONSISTING OF GRAVEL AND SAND, OR
 - CRUSHED STONE WITH A MINIMUM PARTICLE SIZE OF 1-1/2" AND LESS THAN 5% PASSING THE NO. 200 SIEVE AND FREE OF VEGETATION, DEBRIS, ROOTS, STICKS, BRUSH, AND NON-SOIL MATERIALS.

This document was originally issued and sealed by Matthew R. Metzger, Registration No. PE-9064, on 06/02/17 and the original document is stored at CH2M Hill Engineering, Inc., Fargo, N.D.



HOUSTON - MOORE GROUP

OXBOW - HICKSON - BAKKE RING LEVEE - PHASE CD
 WORK PACKAGE 43CD
 CASS COUNTY, NORTH DAKOTA
 CIVIL SECTIONS - PIPE BEDDING AND INLET

DATE:	6/02/2017(REV0)
REVISED:	
REVISED:	
RECORD:	
FILE NAME:	FMM43D_CJ301--.dgn
PROJECT No.	1014-230
DRAWN BY:	NDR/BJH
CHECKED BY:	MRM/AMP
PROJ. MANAGER:	MRM
PROJ. DESIGNER:	MAK2

CJ301

M:\Design\3091004-10\LOA_Levee_Ring_Phase_WP-43D\30000 - Planning & Engineering & Design\30A40 - Engineering & Design\CAD_BIML_Sheets\FMM43D_CJ301--.dgn
 PLAN
 6/22/2017 9:54:12 AM

COORDINATE SYSTEM (HORIZONTAL CONTROL)
 NAD 83 (2007)
 ND SPCS SOUTH ZONE - US SURVEY FEET
 COMBINED SCALE FACTOR (CSF): 0.999900290
 ELEVATION DATUM (VERTICAL CONTROL)
 NAVD 88
 GEOID09

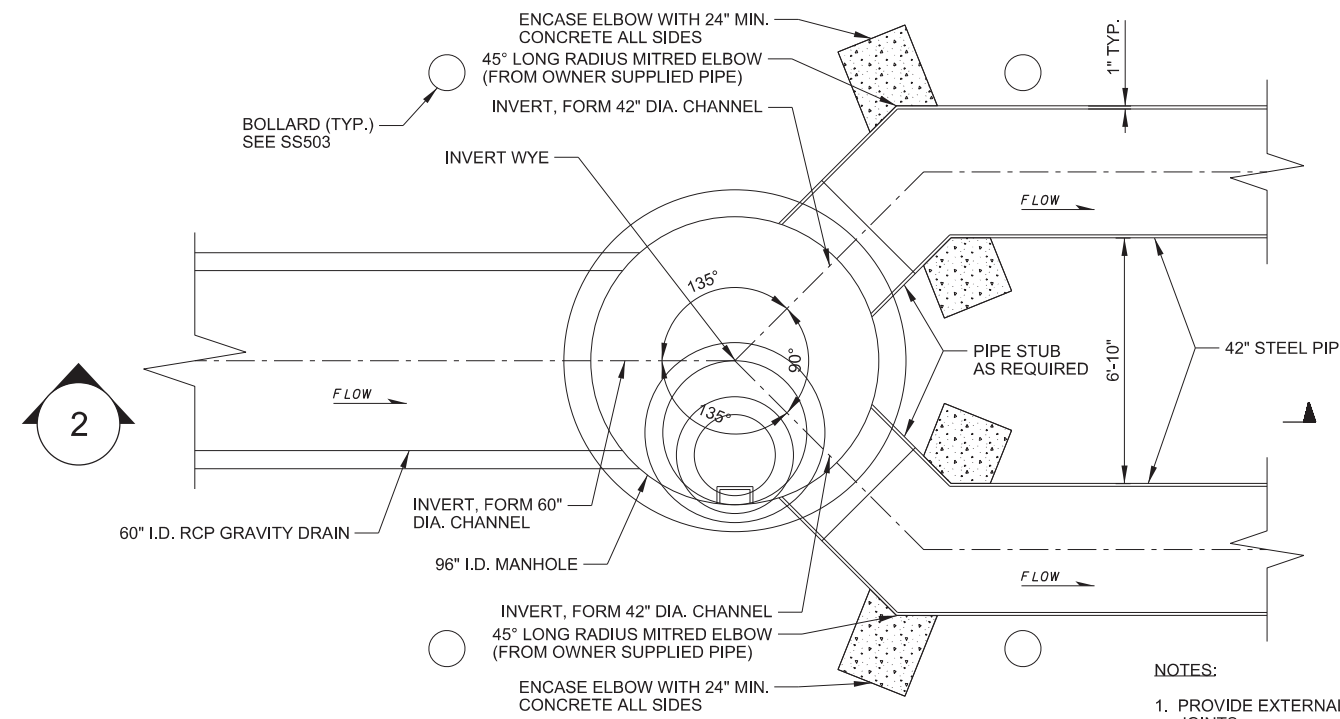
This document was originally issued and sealed by Matthew R. Metzger, Registration No. PE-9064, on 06/16/17 and the original document is stored at CH2M Hill Engineering, Inc., Fargo, N.D.

HMG
HOUSTON - MOORE GROUP

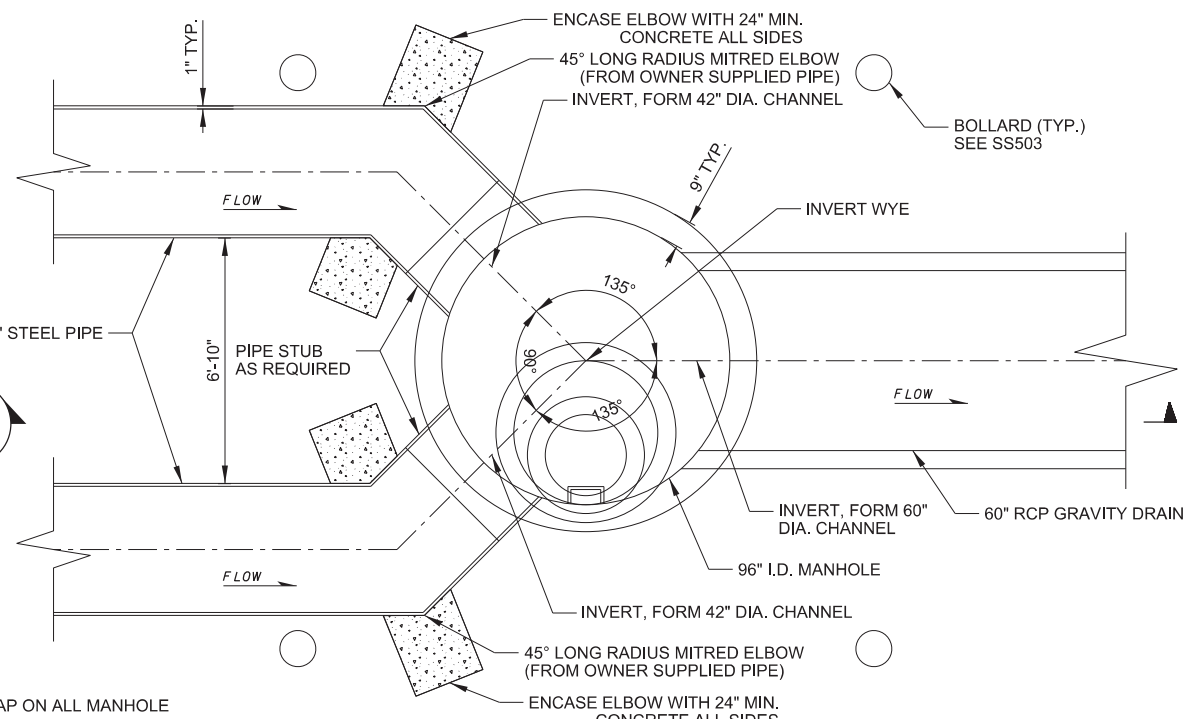
OXBOW - HICKSON - BAKKE RING LEVEE - PHASE CD
WORK PACKAGE 43CD
CASS COUNTY, NORTH DAKOTA
CIVIL DETAILS - TRANSITION STRUCTURES

DATE:	6/02/2017 (REV0)
REVISED:	6/16/2017 (REV1)
REVISED:	
RECORD:	
FILE NAME:	FMM43D_CJ502--.dgn
PROJECT No.	1014-230
DRAWN BY:	NDR/BJH
CHECKED BY:	MRM/AMP
PROJ. MANAGER:	MRM
PROJ. DESIGNER:	MAK2

CJ502

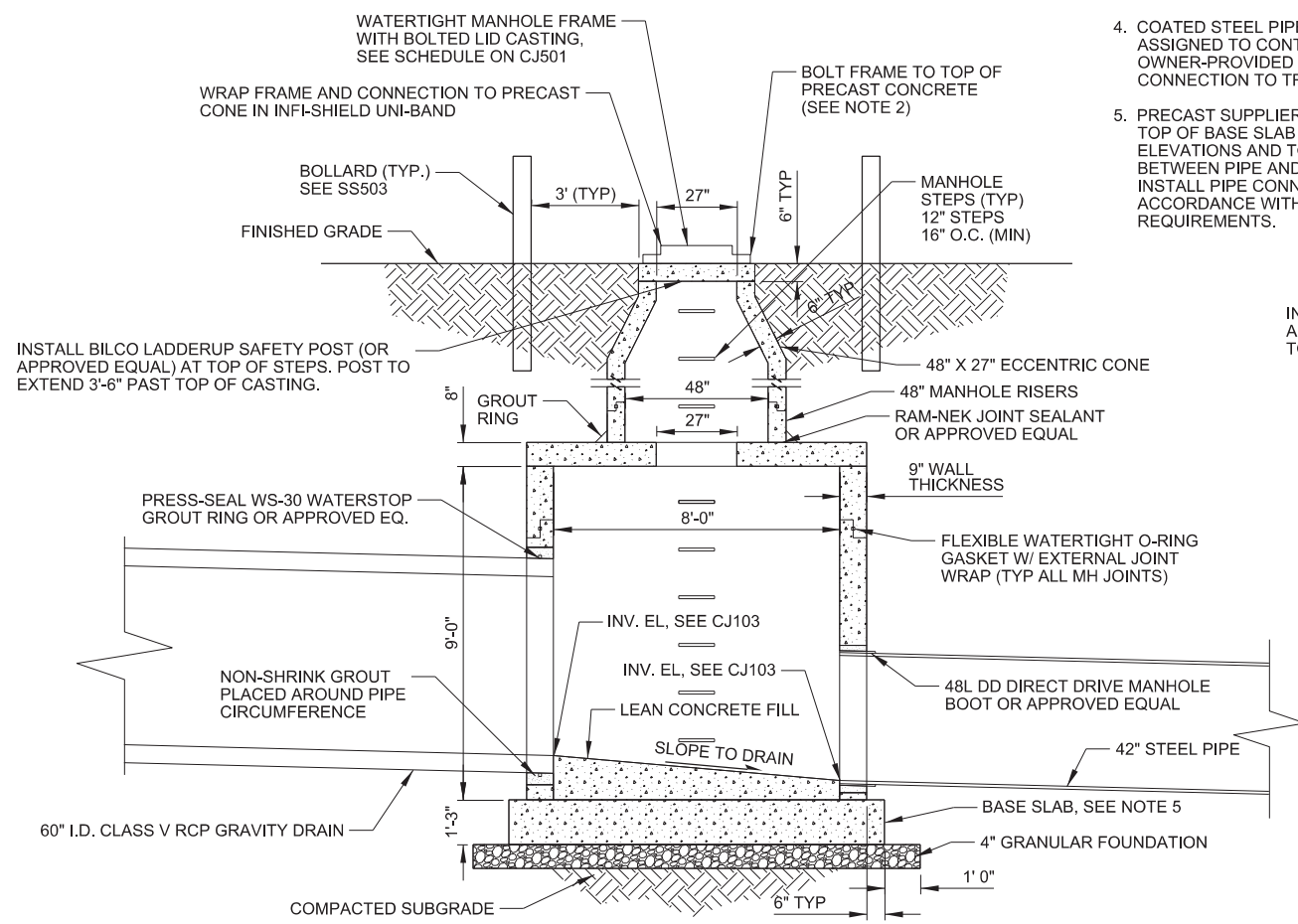


1 **DETAIL: TRANSITION STRUCTURE #1**
CJ103 NOT TO SCALE

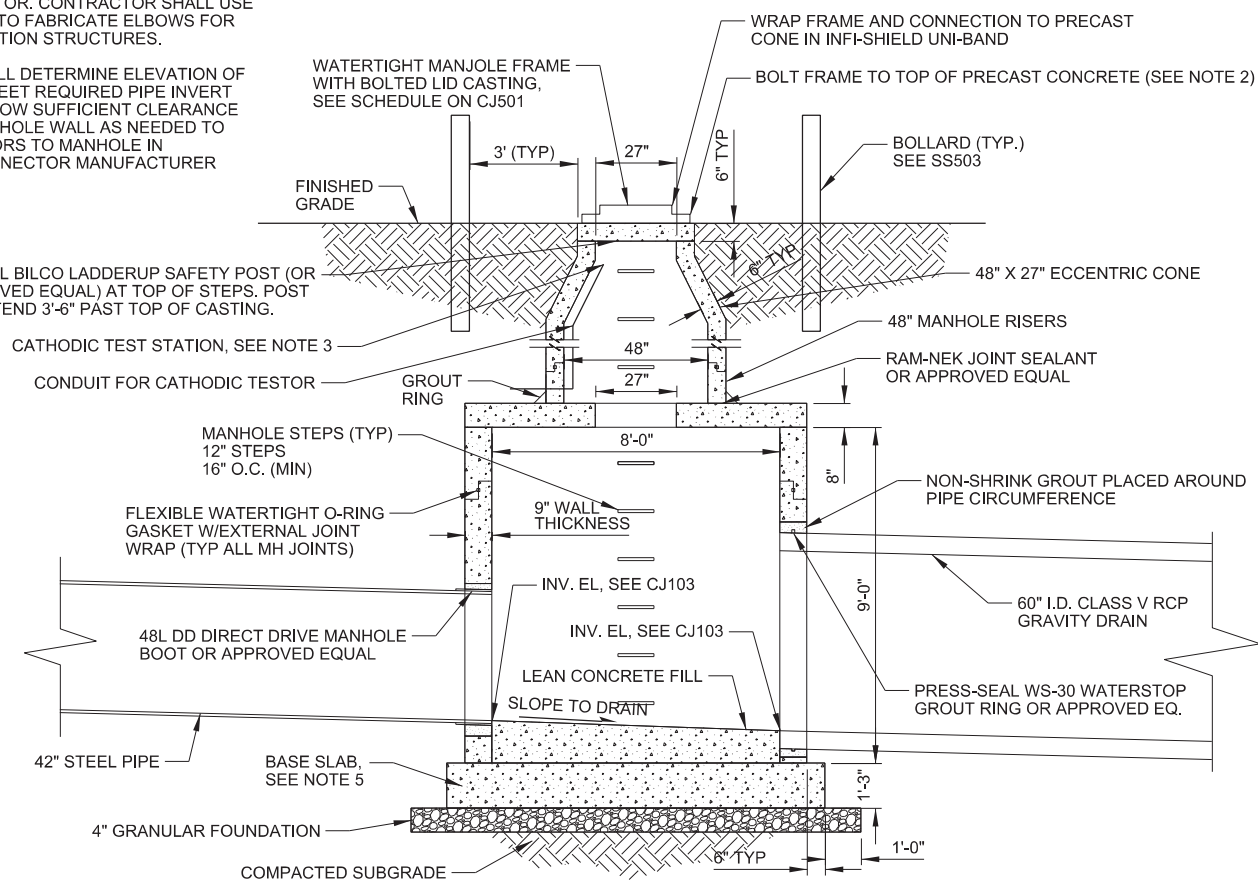


3 **DETAIL: TRANSITION STRUCTURE #2**
CJ103 NOT TO SCALE

- NOTES:**
- PROVIDE EXTERNAL JOINT WRAP ON ALL MANHOLE JOINTS.
 - MOUNT CASTING USING 3/4" X 3-3/4" STAINLESS STEEL WEDGE ANCHORS.
 - MOUNT CATHODIC PROTECTION TEST STATION IN TRANSITION STRUCTURE #2 WITHIN 12" OF TOP CASTING, BESIDE LADDER. SEE 1/CJ403.
 - COATED STEEL PIPE WAS PROCURED BY OWNER AND ASSIGNED TO CONTRACTOR. CONTRACTOR SHALL USE OWNER-PROVIDED PIPE TO FABRICATE ELBOWS FOR CONNECTION TO TRANSITION STRUCTURES.
 - PRECAST SUPPLIER SHALL DETERMINE ELEVATION OF TOP OF BASE SLAB TO MEET REQUIRED PIPE INVERT ELEVATIONS AND TO ALLOW SUFFICIENT CLEARANCE BETWEEN PIPE AND MANHOLE WALL AS NEEDED TO INSTALL PIPE CONNECTORS TO MANHOLE IN ACCORDANCE WITH CONNECTOR MANUFACTURER REQUIREMENTS.



2 **SECTION: TRANSITION STRUCTURE #1**
NOT TO SCALE



4 **SECTION: TRANSITION STRUCTURE #2**
CJ403 NOT TO SCALE

M:\Design\3091004_101\LOA_Levee_Ring_Plan_Plan_WP-43D\30000 - Planning & Engineering & Design\30A40 - Engineering & Design\BIM_Sheets\FMM43D_CJ502--.dgn
6/16/2017 11:08:12 AM

COORDINATE SYSTEM (HORIZONTAL CONTROL)
NAD 83 (2007)
ND SPCS SOUTH ZONE - US SURVEY FEET
COMBINED SCALE FACTOR (CSF): 0.999900290

ELEVATION DATUM (VERTICAL CONTROL)
NAVD 88
GEOID09



September 8, 2017

Mr. Mitchell Haskins, Project Construction Manager
CH2M HILL Engineers, Inc.
64 4th Street North, Suite 300
Fargo, ND 58103

Subject: Oxbow-Hickson-Bakke Ring Levee-Phases C and D; Work Package 43CD
Change Order Request – Contractor Furnished Aquashield Heat-Shrink Sleeves

Dear Mr. Haskins,

We have been required to purchase Aquashield heat-shrink sleeves to supplement the shortage of Owner-Furnished Products. The cost to Meyer for these Aquashield heat-shrink sleeves was \$1,787.26.

Based on the aforementioned information and calculation of cost impact we hereby request additional compensation in the amount of \$2,055.35.

Thank you.

Respectfully,

A handwritten signature in blue ink, appearing to read 'Jeremy Gibbs', is written over a light blue horizontal line.

Jeremy Gibbs
Meyer Contracting, Inc.



DUPLICATE
INVOICE

1830 Craig Park Court
St. Louis, MO 63146

Invoice # H746416
Invoice Date 9/07/17
Account # 125425
Sales Rep SCOTT SMITH
Phone # 952-937-9666
Branch #230 Eden Prairie, MN
Total Amount Due \$1,787.25

Remit To:
CORE & MAIN LP
PO BOX 28330
ST LOUIS, MO 63146

MEYER CONTRACTING INC
11010 93RD AVE N STE A
MAPLE GROVE MN 55369-4125

Shipped To:
INT:US HWY 81 & OXBOW DRIVE
SITE CONTACT:
BRIAN-763 203 4485
OXBOW, ND

CUSTOMER JOB- OXBOW OXBOW,ND-LEVEE

Thank you for the opportunity to serve you! We appreciate your prompt payment.

Date Ordered 8/31/17 Date Shipped 9/05/17 Customer PO # SEE BELOW Job Name OXBOW,ND-LEVEE Job # OXBOW Bill of Lading Shipped Via BEST WAY Invoice# H746416

Product Code	Description	Quantity		B/O	Price	UM	Extended Price
		Ordered	Shipped				
	CUSTOMER PO#- OHB RING LEVEE						
	CORE & MAIN PO#- 8327990						
/20015027981	AQW-HS-1060 - 24" TO FIT 43" OD PIPE	5	5		199.87000	EA	999.35
/20015027982	AQW-HS-1060 - 12" TO FIT 43" OD PIPE	6	6		103.05000	EA	618.30

Freight \$60.52
Delivery
Handling
Restock
Misc
Terms: NET 30
Ordered By: KEVIN

Subtotal: 1,617.65
Other: 60.52
Tax: 109.08
Invoice Total: \$1,787.25

This transaction is governed by and subject to Core & Main's standard terms and conditions, which are incorporated by reference and accepted.
To review these terms and conditions, please visit: <http://waterworks.hdsupply.com/TandC>