FLOOD DIVERSION BOARD OF AUTHORITY
Thursday, May 26, 2016
4:30 PM
Fargo City Commission Room
Fargo City Hall
200 3rd Street North

1.	Call to order		
2.	Approve minutes from previous meeting	Item 2.	Action
3.	Approve order of agenda		Action
4.	Management a. Financial Plan		Information
5.	Administrative/Legal a. CH2M Task Order No. 7, Amendment 0 (Construction Management)	Item 5a.	Information/action
6.	Technical a. Recommended Contracting Actions	Item 6a.	Information/action
7.	Other Business		
8.	Next Meeting – June 9, 2016		
9.	Adjournment		

cc: Local Media

FLOOD DIVERSION BOARD OF AUTHORITY
MAY 12, 2016—3:30 PM

1. MEETING TO ORDER

A meeting of the Flood Diversion Board of Authority was held Thursday, May 12, 2016, at 3:30 PM in the Fargo City Commission Room with the following members present: Cass County Commission representative Darrell Vanyo; Cass County Commissioner Mary Scherling; West Fargo City Commissioner Mike Thorstad; Fargo City Mayor Tim Mahoney; Fargo City Commissioner Mike Williams; Fargo City Commissioner Melissa Sobolik; Cass County Joint Water Resource District Manager Mark Brodshaug; Clay County Commissioner Kevin Campbell; and Moorhead City Council Member Nancy Otto. Also present was ex-officio member Gerald VanAmburg, Buffalo-Red River Watershed District.

Staff members and others present: Cass County Administrator Keith Berndt; Clay County Administrator Brian Berg; Cass County Engineer Jason Benson; Fargo City Director of Engineering Mark Bittner; Fargo City Engineer April Walker; Moorhead City Engineer Bob Zimmerman; Elly Peterson, Chamber of Commerce Business Leaders Taskforce; Martin Nicholson, CH2M Hill; and Terry Williams, Project Manager, Corps of Engineers.

2. MINUTES APPROVED

MOTION, passed
Ms. Sobolik moved and Ms. Otto seconded to approve the minutes from the April 28, 2016, meeting as presented. Motion carried.

3. AGENDA ORDER

MOTION, passed
Mr. Campbell moved and Ms. Otto seconded to approve the order of the agenda. Motion carried.

4. MANAGEMENT UPDATE

Program management consultant (PMC) report

Martin Nicholson provided an update on activities over the last month including completion of Oxbow residential buyouts; acquisition support for critical in-town properties; development, submittal and follow-up responses for the North Dakota State Water Commission diversion inlet control structure permit; completion of Project Partnership Agreement (PPA) negotiations with the Corps of Engineers; and educational information provided to business leaders on steps needed to begin construction. He said priority areas for May and June include the presentation of the financial plan, approval of the Joint Powers Agreement (JPA) by member entities, approval of the PPA, and Public Private Partnership (P3) Industry Day to be held on June 7th.

Ty Smith from CH2M provided an update on in-town levee work, Park East Apartments and Howard Johnson property demolitions, El Zagal Phase 2 levee construction, and Mickelson levee extension construction.

Corps of Engineers report

Terry Williams provided an update of activities by Corps of Engineers staff which includes final plans and specifications for the diversion inlet control structure; public release by the MN DNR of the final MN EIS scheduled for May 16, 2016; continued coordination with North Dakota and Minnesota on phased permitting for the southern embankment/dam; continued support of in-town levee design and construction; development of RFP and reference documents on alternate financing and split delivery plan; and coordination with Corps of Engineers headquarters and project sponsors on the PPA with execution of the agreement anticipated in July.

Ms. Williams said Colonel Daniel Koprowski will be leaving the St. Paul District for his next assignment effective June 30th. Col. Koprowski and his replacement, Colonel Samuel L. Calkins, plan to attend the June 9th Diversion Authority meeting.

Industry Day
Mr. Nicholson said staff worked with the Corps of Engineers to organize Industry Day, which will be held on Tuesday, June 7th at the Hilton Garden Inn in Fargo. The event will provide information about the FM Diversion project, its P3 opportunities, and Corps-led construction components.

5. ADMINISTRATIVE/LEGAL UPDATE

Attorney John Shockley said the finance team has been working with Ernst & Young and Springsted to develop the financial model and the P3 procurement. He said work has also begun to secure third-party agreements with utility companies in anticipation of utility line relocations along the diversion channel.

Joint Powers Agreement (JPA)
Mr. Shockley said several informational meetings have been held with the six member entities to discuss the Diversion Joint Powers Agreement (JPA). He provided an updated draft, which is the "near final version" of the document.

Mr. Mahoney thanked Mr. Shockley for his efforts to meet with all the entities to draft the JPA. Mr. Vanyo said the input provided by all the entities served the document well.

MOTION, passed
Mr. Mahoney moved and Mr. Campbell seconded to approve the Diversion Joint Powers Agreement in its near final form, forward the document to the six member entities for review and approval, and authorize the Diversion Authority Board chairman to sign after approval by the member entities. On roll call vote, the motion carried unanimously.

Project Partnership Agreement (PPA)
Mr. Shockley provided a draft of the Project Partnership Agreement (PPA) for the board to review, which staff have been working on with the Corps of Engineers. He said a P3 Memorandum of Understanding (MOU) is also being drafted which outlines the interface between the Corps of Engineers and non-federal sponsors on the P3 procurement. He said a memorandum is also being prepared for land acquisitions. He said in the next few months, the board will be asked to approve the addition of an insurance advisor to the P3 team to provide analysis on policies and coverage needed for the diversion project.

6. TECHNICAL UPDATE

Recommended Contracting Actions Summary
Martin Nicholson reviewed the following contracting actions with the board:

Authority Work Directive
- Houston-Moore Group, LLC Authority Work Directive (Services During Construction)—add 2nd Street North – North of Pump Station services during construction; and 2nd Street South services during bidding in the amount of $45,000.

Change Orders
- Landwehr Construction, Inc. Change Order 1 (Demolition/Renovation of Howard Johnson Hotel, Old Shakey's Pizza, Fargo Public Schools)—add abatement of additional asbestos containing material in the amount of $138,613.57;
- Industrial Builders, Inc. Change Order 6 (2nd Street North – South of Pump Station)—add modification of floodwall contract interface and incentive and disincentive changes to agreement in the amount of $89,243.21;

- Industrial Builders, Inc. Change Order 1 (Mickelson Levee Extension)—add abatement of additional asbestos containing material in the amount of $65,000.

Utility Relocation Agreements

- AT&T utility relocation agreement (South of 1st Avenue North)—relocate fiber communication cable running parallel and south of 1st Avenue North in the amount of $125,238.30;
- 702 Communications utility relocation agreement (South and North of 1st Avenue North)—relocate fiber communication cables running parallel to 1st Avenue North at 2nd Street South and north of bridge in the amount of $50,381;
- CenturyLink utility relocation agreement (North of 1st Avenue North)—relocate fiber communication cable running parallel and north of 1st Avenue North in the amount of $74,195.92;
- Consolidated Communication, Inc. utility relocation agreement (North of 1st Avenue North))—relocate fiber communication cable running parallel and north of 1st Avenue North in the amount of $25,000;
- City of Fargo utility relocation agreement (North of 1st Avenue North)—relocate fiber communication cable running parallel and north of 1st Avenue North in the amount of $14,720;
- Xcel Energy utility relocation agreement (North of 1st Avenue North)—provide temporary power to lift station near 2nd Street North and 3rd Avenue North in the amount of $34,545.76.

Mr. Nicholson said the utility relocation agreements are still being reviewed by legal staff, and he asked for them to be approved subject to legal review.

MOTION, passed

Mr. Mahoney moved and Ms. Otto seconded to approve the appropriation of funds for the outlined authority work directive; change orders; and utility relocation agreements, which are subject to review and approval by legal staff and recommend approval of the appropriation of funds by the Dakota Metro Flood Board for the Diversion Authority. On roll call vote, the motion carried unanimously.

7. PUBLIC OUTREACH UPDATE

Committee report

The Public Outreach Committee met on May 11th. Mr. Campbell said the committee discussed three more members to add to the committee and recommend the Diversion Board approve the appointment of Elly Peterson (Chamber Business Leaders Task Force), Jason Benson (Cass County Engineer), and Jake Gust (CCJWRD).

MOTION, passed

Mr. Campbell moved and Mr. Mahoney seconded to approve the appointment of Elly Peterson, Jason Benson and Jake Gust to the Public Outreach Committee. Discussion: Mr. Campbell said it would be helpful to have another representative from Fargo City on the committee. Mr. Mahoney said he will look into this request. Motion carried.

Mr. Campbell said the committee received an update on various public outreach presentations given over the last month; and discussed maps being drafted by staff and the Corps of Engineers which show different channel alignments that have been considered with their associated timelines. He said once the maps and other information are completed, they will be posted on the Diversion website.

Business Leaders Task Force

Elly Peterson said the task force met on April 19th with about 40 business leaders in attendance. The next meeting will be held on May 25th. Mr. Vanyo appreciates the participation by area business leaders.

8. LAND MANAGEMENT UPDATE

Committee report

The Land Management Committee met on May 11th and discussed the timeline for cemetery mitigations; flowage easements; and two property acquisitions—one hardship property and a portion of the parking lot at Case Plaza in Fargo.

CCJWRD update

Mark Brodshaug referred to the handout regarding land acquisitions completed through May 12, 2016, which includes completed acquisitions, budget figures, and completed negotiations. Activities from last month include the successful negotiation with Case Plaza on the right to enter and construct; ongoing purchase agreement negotiations with Mid-America Steel; property acquisition efforts for diversion inlet area lands; and rights of entry and boundary survey work for diversion channel properties from the outlet to I-29 area.

Mr. Brodshaug said the committee also received an update on land acquisitions associated with the diversion inlet control structure. The Corps of Engineers FY2016 work plan includes federal appropriations for project construction. The Corps intends to obligate the federal funds for the diversion inlet control structure with construction starting this fall. The structure will be located just south of Horace, North Dakota. The Corps identified 15 parcels that will be needed for the inlet control structure and associated realignment of County Highways 16 and 17. Three parcels will be needed this year for construction to begin on the outlet. The next focus area for property acquisitions will be the northern channel area and the Maple River and Sheyenne River aqueduct structures.

9. FINANCE UPDATE

Committee report

Mike Montplaisir, Cass County Auditor, said the Finance Committee met on May 11th. He said the cumulative spent on the project to date is almost $207 million. He said the committee approved two property acquisitions—one hardship property and a portion of the parking lot at Case Plaza in Fargo. He said the Diversion Authority has received $2.9 million in revenues from the sale of lots in Oxbow. He provided an update on the dollars spent for in-town flood control work which at this time totals $61 million.

Voucher approval

The bills for the month are with CCJWRD for costs associated with in-town levees, access issues, Diversion Project Assessment Committee (DPAC) work, OHB levee, and Oxbow Country Club golf course construction; Fredrikson & Byron, P.A. for government relations services; Dorsey & Whitney LLP for legal services; Erik R. Johnson & Associates, Ltd. for legal services; and Ohnstad Twichell, P.C. for P3 bond counsel.

MOTION, passed

Mr. Mahoney moved and Ms. Otto seconded to approve the vouchers in the amount of $3,044,470.89 for April, 2016. On roll call vote, the motion carried unanimously.

10. NEXT MEETING DATE

The next meeting will be held on Thursday, May 26, 2016.

11. ADJOURNMENT

MOTION, passed

On motion by Ms. Sobolik, seconded by Mr. Mahoney, and all voting in favor, the meeting was adjourned at 4:20 PM.

Minutes prepared by Heather Worden, Cass County Administrative Assistant

FLOOD DIVERSION AUTHORITY

This is Task Order No. 7, Amendment 0, consisting of 6 pages.

CH2M HILL Engineers, Inc.

Task Order No. 7, Amendment 0

MFDA Purchase Order No. _____

Construction Management Services – Work Package 42

In accordance with Paragraph 1.01 of the Standard Master Agreement for Professional Services ("Agreement"), between **Diversion Board of Authority** now called the **Metro Flood Diversion Authority** ("Owner") and **CH2M HILL Engineers, Inc.** ("Consultant"), dated March 8, 2012, Owner and Consultant agree to the scope of services as follows:

The parties agree that in the event of a conflict between prior Task Orders and this Task Order No. 7, the terms and conditions in this Task Order shall prevail, provided however, nothing herein shall preclude Consultant from invoicing for work authorized under prior Task Orders and performed prior to effective date of this Task Order, even to the extent such prior work was revised by this Task Order. All other terms and conditions shall remain the same and are hereby ratified and affirmed by the parties.

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1. Specific Project Data
    - A. Title: Construction Management Services – Work Package 42
    - B. Description: Provide Construction Management Services for Work Package 42 for projects designed by HMG for the Fargo-Moorhead Area Diversion Project ("Project").
    - C. Background: Consultant is also providing other services to Owner for the Project under the Agreement. This Task Order describes the functions and activities of the Consultant to assist the Owner with the bidding and construction management portions of Work Package 42.
        1) Consultant previously performed these services for the Cass County Joint Water Resource District under Task Order No. 2, whose Period of Performance (POP) ends on May 27, 2016. Task Order No. 7 covers bidding, construction management, and other services related to delivery of Diversion Authority construction project requirements.
        2) Owner acknowledges that Consultant is also under contract to Owner to provide a range of services ("Program Management Contract"), which include program level management services, financial support, program controls and reporting, contract administration, permitting and permit compliance support, split delivery implementation support, technical and project support services, federal and state legislative support services, public-private-partnership (P3) procurement support, public involvement and outreach services, and agricultural, cemetery, lands and other impacts mitigation support.
        3) Owner anticipates the following construction contracts and professional services contracts will be required during the Task Order :
            a. Construction Management Contracts:
                i. WP-42A.1/A.3 – In-Town Levees – 4th Street Pump Station and Floodwall
                ii. WP-42A.2 – In-Town Levees – 2nd Street Pump Station and Floodwall
                iii. WP-42C.1 – Downtown Levees – Howard Johnson, Fargo Public School, and Feder Realty Demolition

iv. WP-42C.2 – Downtown Levees – Park East Apartments Demolition

v. WP-42F.1S – Flood Control 2nd St N, South of PS

vi. WP-42F.1N – Flood Control 2nd St N, North of PS

vii. WP-42F.2 – Flood Control 2nd Street South

viii. WP-42H.2 – El Zagal Phase 2 Levee

ix. WP-42I.1 – Mickelson Field Levee Extension

b. Professional Services Contracts:

i. Quality Assurance Testing and Inspection – Terracon
ii. Engineering Services During Construction – HMG

D. Scope Not Included in this Task Order:

1) The following scope items are not included in Task Order No. 7. These scope items are necessary for the completion of the Project, and may be included in future task orders, performed by CONSULTANT under contract to others, or performed by others.

a. Preparing Front End (Division 0 and Division 1) Specifications for the Bidding Documents.

b. Preparing Technical Specifications or Drawings for the Bidding Documents and Contract Documents.

c. Warranty inspections after completion of construction.

d. Scoping or managing utility removal, installation, or relocation.

e. Management of pre-demolition hazardous materials testing and inspection services.

2. Services of Consultant

A. The following functions and activities describe the general services authorized under this Task Order. Consultant will perform activities to accomplish the scope described herein, as well as other services that may be mutually agreed to by the parties pursuant to the terms of the Agreement.

B. Services During Bidding

Provide CM staff and assistance during the bidding process for contracts identified for bid during the Task Order POP. This may include, but not be limited to:

1) Arrange and facilitate a pre-bid conference and site visit.

2) Assist as required with the development of addenda.

3) Attend the bid opening.

4) Prepare conformed Contract Documents from the Bidding Documents and Addenda.

5) Print up to fifteen (15) copies of conformed Contract Documents per project.

6) Assist Owner with execution of Contract Award Documents.

C. Services During Request for Qualifications (RFQs)

Assist Owner in procuring firms to provide professional services related to hazardous materials identification and material testing (soils, concrete, etc.). This assistance may include, but not be limited to:

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1) Develop RFQs.

2) Advertise and distribute RFQs.

3) Receive and assist Owner in evaluating Statements of Qualifications.

4) Making Recommendations of Award to Owner.

5) Assist Owner in development of contracts, task orders, and scopes of work.

6) Assist Owner with execution of Contracts.

D. Construction Management

1) Comply with the general guidelines of the Memorandum for Record No. 018 (MFR 018) "Fargo-Moorhead Metro (FMM) Flood Risk Management (FRM) Project – Sponsor Constructed Features Roles and Responsibilities" between the Diversion Authority, USACE, and the Program Management Consultant as modified herein.

2) Provide Construction Manager to fulfill the duties of Owner's Representative in accordance with the specific requirements of the Contract Documents for each project, including:

a. Monitor overall schedule

b. Develop project documentation guidelines for Owner's design consultant.

c. Faciliate one or more Partnering meetings.

d. Prepare a project specific supplement to the Master Construction Management Plan for each project.

e. Prepare a Monthly Report for each project covering the period from contract award through contract closeout, including the contract award amount, amount paid to date, current construction schedule, description of recent progress, issues encountered since the last report along with resolutions, and modifications and/or change orders issued.

f. Prepare a Final Construction Report following completion of each project feature.

g. Manage receipt, process, distribute, record, and store Construction Management documents including, but not limited to, Requests for Information (RFIs), submittals, shop drawings, invoices and payment applications, Consultant's Quality Assurance documentation, official correspondence, and contract change documentation. Use SharePoint, Aconex, or other document management platforms to perform these tasks, and develop, implement, and manage processing workflows by project team. Maintain the Project Record for Owner.

E. Perform Quality Assurance services. Responsibilities include:

1) Develop the QA Plan as part of the Construction Management Plan for each project. Coordinate Engineer's efforts to define the expectations for type, frequency, and responsibility (if not already given in the Specifications) for tests and inspections.

2) Receive and store testing results and reports (hard copy and electronic) as part of the permanent project documentation.

3) Coordinate Construction Checkpoint meetings with USACE to allow them opportunity to inspect QA documentation to date and review of construction progress.

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4) Prior to acceptance or graduated acceptance of a project feature construction contract, coordinate a pre-final inspection to verify the contract requirements have been met and the design intent is represented in the completed construction.

F. Professional Services Contracts

1) Administer Owner's contracts with materials testing and inspection firms including Braun Intertec and Terracon. Monitor performance, schedule, and budget, and prepare contracts, and contract management recommendations to the Owner as appropriate.

2) Administer Owner's contracts with Engineer for engineering Services During Construction on construction projects for which Engineer is the Designer of Record (DOR). Manage Engineer's activities related to technical inspections, review and response to project documentation (submittals, RFIs, etc.), and other Quality Assurance and project execution services. Monitor performance, schedule, and budget, and prepare contract management recommendations to the Owner as appropriate.

G. General

1) Attend Owner's twice-monthly Board Meetings to report on progress and activities, and provide or present informational materials, as requested by Owner.

2) Prepare periodic reports or other information for Owner to present to the Diversion Authority Board and its committees.

3) Coordinate with legal counsel, including Ohnstad Twichell, P.C. and Erik R. Johnson & Associates.

H. On-Call Services

1) Respond to requests for services from Owner for tasks not included above. Services will be provided only with written authorization from Owner.

2) Deliverables:

a. On-call services deliverables as requested.

Deliverables and Schedule: The above scope requires the following regular deliverables:

Task	Deliverable	Transmit To	When
CM	Project Construction Management Plan	Owner, Engineer, USACE	Once, by start of field work
QA	Quality Assurance Plan (included in CMP)	Owner, Engineer, USACE	Once, by start of field work
CM	Project Monthly Progress Report	Owner, Engineer, USACE	Monthly, before second Thu of next month
General	Monthly Status Report	Owner	Monthly, by end of third week of following month
CM	Project Final Construction Report	Owner, Engineer, USACE	Once, within 1 month of contract close-out
QA	Final record of QA data	Owner, Engineer, USACE	Once, within 2 months of contract close-out

3. Owner's Responsibilities

Owner shall have those responsibilities set forth in Article 2 and in Exhibit B.

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4. Times for Rendering Services

Phase	Start Time	Completion Time
All Work	May 28, 2016	November 25, 2016

5. Payments to Consultant

   A. The budget for services to be delivered in this Task Order is $1,020,000. Compensation and payments will be on a time and material basis for services beginning May 28, 2016 and ending on November 25, 2016.

   B. Invoicing for Construction Management Services will be based on a blended CM Rate of $155/hr for all labor categories. This blended CM rate includes direct expenses (vehicles, printing, copies, etc.). Sub-consultant (AE2S) will be invoiced at actual cost plus 10 percent (10%) mark-up.

   C. Provide monthly invoice and status report

      ii. Provide status report with invoice and summarize work completed during the invoice period. Include:

         1. Outstanding issues to resolve, expected steps to progress work, outstanding items required from Owner, Engineer, or others to progress work, anticipated completion date of upcoming deliverables.

         2. Dates of on-call services provided, and description of the activities performed by Consultant, including any deliverables produced.

   D. Consultant will notify Owner when 80 percent of the budget is expended.

   E. Consultant will submit an amendment for additional compensation when 90 percent of the budget is expended, or confirm to Owner that this Task Order can be completed for the remaining budget.

   F. Consultant will not perform work beyond 100 percent of the budget without Owner's authorization by an amendment to this Task Order.

6. Subconsultants: AE2S, Inc.

7. Other Modifications to Agreement: None

8. Attachments: None

9. Documents Incorporated By Reference: *Standard Master Agreement for Professional Services* between the Owner and Consultant executed March 8, 2012, and any attachments and executed amendments.

10. Terms and Conditions: Execution of this Task Order by Owner and Consultant shall make it subject to the terms and conditions of the Agreement (as modified above), which Agreement is incorporated by this reference. Consultant is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order is _____, 2016.

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CONSULTANT:

CH2M HILL Engineers, Inc.

Signature Date

Thomas J. Helgeson
Name

Vice President and Area Manager
Title

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Bruce Spiller
Name

Program Manger
Title

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OWNER:

Fargo-Moorhead Metro Diversion Authority

Signature Date

Darrell Vanyo
Name

Chairman, Flood Diversion Board of Authority
Title

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Keith Berndt
Name

Cass County Administrator
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Item 6a.

Recommended Contracting Actions Summary

Date: May 26, 2016

Description	Company	Budget Estimate ($)
Authority Work Directives		
• AWD-0059 - WP-42 Services During Construction – Work Package 42 (42F.1S, 42I.1, 42H.2) additional scope	Houston-Moore Group	25,000
Task Order Amendments		
Task Order No. 17, Amendment 3 Services During Construction – Work Package 42F.1N • Add scope and budget for Services During Construction • Add scope and budget for Project Management	Houston-Moore Group	751,000

Construction Change Order Requests		
WP-42A.2 Change Order 07 **2nd Street N Pump Station** • Furnish and install pump owner requested station beacons.	Industrial Builders, Inc.	1,870.32
WP-42F.1S Change Order 07 **2nd Street North (South of Pump Station)** • Tee Manhole Addition, SS-10 Manhole Revision	Industrial Builders, Inc.	16,378.55

Technical Staff Recommendation

Meeting Date: 5/24/2016

RECOMMENDATION FOR ACTION:

The Technical Staff have reviewed and recommends approval of the following Contract Action(s).

SUMMARY OF CONTRACTING ACTION:

The Owner's Representative prepared the following Contract Action(s) for the Technical Staff team:

List description of Contract Action(s):

Houston-Moore Group, LLC

MFDA – AWD-0059 - WP-42 SDC $25,000

- Add scope of services for WP-42F.1S, WP-42H.2, and WP-42I.1

BACKGROUND:

Houston-Moore Group, LLC (HMG) is the Engineer of Record for the In-Town Levees (WP-42), and has provided Services During Bid (SDB) and Services During Construction (SDC) for WP-42 from July 10, 2014, to the present time. Task Order 17 Amendment 3 was negotiated for WP-42F1N that included additional SDC services. This AWD adds those additional services to WP-42F.1S, WP-42H.2, and WP-42I.1.

Task Order 17, Amendment 0, included SDB and SDC for WP-42A.1 and A.3 (4th St. Pump Station and 2nd St. So. Floodwall), and WP-42A.2 (2nd St. Pump Station). On July 10, 2015, Amendment 1 authorized SDB/SDC for WP-42F.1S (Flood Control, 2nd Street North, South of Pump Station) and SDB for WP-42H.2(El Zagal Area Flood Risk Management – Phase 2), WP-42I (Mickelson Levee Extension), and WP-42C.2 (Park East Demolition). Amendment 2 incorporated work authorized under AWD-00052 (WP-42C.1, HoJo, Old Shakey's, FPS – SDB; and WP-42C.2, Park East Demolition – SDC); added additional SDC period of performance and budget for both WP-42A.2 and WP-42A.1/A.3; added SDC scope and budget for WP-42H.2, WP-42I.1, and WP-42C.1; and, added SDB for WP-42F.1N. Amendment 3 incorporated work authorized under AWD-00058 and added additional SDC services for WP-42F.1N.

Summary of Contracting History and Current Contract Action:

Original Agreement or Amendment	Budget ($) Change	Original Project Cost	Revised Project Cost	Project Start	Project Completion	Comments
Task Order 17 Amendment 0	$ -	$1,550,000	$ -	10-Jul-14	30-Sep-16	Initial WP-42 SDB and SDC agreement for WP-42A.1, WP-42A.2, and WP42A.3.
Task Order 17 Amendment 1	$693,000		$2,243,000	10-Jul-14	30-Sep-16	Adds SDB and SDC for WP-42F.1S; SDB for WP-42H.2; SDB for WP-42I; and, SDB for WP-42C.2.
Task Order 17 Amendment 2	$1,605,000		$3,848,000	10-Jul-14	30-Jun-17	Incorporated AWD-00052; added additional SDC period of performance and budget for WP-42A.2 and WP-42A.1/A.3; added SDC for WP-42H.2, WP-42I.1, and WP-42C.1; and, added SDB for 42F.1N.
AWD-0058	$45,000			12-May-16	31-Jul-17	Authorizes scope and budget for SDC for WP-42F.1N, and SDB for WP-42F.2.

Task Order 17 Amendment 3	$751,000		$4,599,000	10-Jul-14	31-Jun-17	Incorporates AWD-00058 and includes additional SDC services for 42F.1N.
AWD-00059	$25,000			26-May-16	31-Jul-17	Authorizes additional services to WP-42F.1S, WP-42H.2, and WP-42I.1.

DISCUSSION:

The Diversion Authority, in consultation with HMG and CH2M, has changed the scope of work of both the HMG Services During Construction (SDC) task order and the CH2M Construction Management (CM) task order.

The change includes transfer of the following scope from the CM task to the SDC task:

- scheduling and coordination of Owner's third party material testing firm,
- preparation of daily and weekly reports,
- development, scoping and negotiation of Change Orders,
- field surveys,
- maintenance of as-built drawings,
- preparation of site visit reports,
- commissioning of facilities, and
- issuing punch lists.

WP-42 SDB and SDC Budgets by Work Package and Amendment:

Work Package	Act. ID	SDB ($)	SDC ($)	PM ($)	On Call ($)	Total ($)	Amendment
WP-42A.2 & 42A.1/A3	CN-XXXX	50,000	1,300,000	180,000	20,000	1,550,000	TO17-A0
WP-42F.1S	CN-XXXX	36,000	540,000	60,000		636,000	TO17-A1
WP-42H.2	CN-XXXX	27,000				27,000	
WP-42I.1	CN-XXXX	15,000				15,000	
WP-42C.2	CN-XXXX	15,000				15,000	
Subtotal TO17-A1		93,000	540,000	60,000	0	693,000	
WP-42A.2	CN-XXXX		192,000			192,000	TO17-A2
WP42A.1/A3	CN-XXXX		830,000	28,000		858,000	
WP-42C.1	CN-XXXX	10,000	22,000	3,000		35,000	
WP-42C.2	CN-XXXX		40,000			40,000	
WP-42H.2	CN-XXXX		263,000	38,000		301,000	
WP-42I.1	CN-XXXX		132,000	25,000		157,000	
WP-42F.1N	CN-XXXX	22,000				22,000	
Subtotal TO17-A2		32,000	1,479,000	94,000	0	1,605,000	
WP-42F.1N	CN-XXXX	0	684,000	52,000	0	736,000	TO17-A3
WP-42F.2	CN-XXXX	15,000	0	0	0	15,000	
Subtotal TO17-A3		15,000	684,000	52,000	0	751,000	

WP-42H.2	CN-XXXX		7,500			7,500	**AWD-00059**
WP-42I.1	CN-XXXX		7,500			7,500	
WP-42F.1S	CN-XXXX		10,000			10,000	
AWD-00059			25,000		0	25,000	

The PMC recommends this cost proposal.

This change amount of $25,000 is included in the FY-2016 FMDA budget.

ATTACHMENT(S):

1. Draft AWD-00059

Presented by:

May 24, 2016

John W. Glatzmaier, P.E.
CH2M HILL
Project Manager
Metro Flood Diversion Project

Date

Keith Berndt, Cass County Administrator
Concur: May 24, 2016 *Non-Concur:*

April Walker, Fargo City Engineer
Concur: May 24, 2016 *Non-Concur*

Mark Bittner, Fargo Director of Engineering
Concur: May 24, 2016 *Non-Concur:*

Jason Benson, Cass County Engineer
Concur: May 24, 2016 *Non-Concur*

David Overbo, Clay County Engineer
Concur: *Non-Concur:*

Robert Zimmerman, Moorhead City Engineer
Concur: May 24, 2016 *Non-Concur*

Nathan Boerboom, Diversion Authority Project Manager
Concur: May 24, 2016 *Non-Concur:*

METRO FLOOD DIVERSION PROJECT

AUTHORITY WORK DIRECTIVE AWD-00059 REV-0

WP-42 Services During Construction

		WORK TYPE:	WIK
TO:	Houston-Moore Group, LLC	DATE INITIATED:	5/26/2016
PROJECT:	Fargo-Moorhead Diversion Engineering Design		
OWNER:	Metro Flood Diversion Authority		

The following additions, deletions, or revisions to the Work have been ordered and authorized:

OBJECTIVE:

Add Services During Construction (SDC) scope of work for WP-42F.1S, WP-42H.2, and WP-42I.1 due to change in project delivery.

BACKGROUND:

Houston-Moore Group, LLC (HMG) is the Engineer of Record for the In-Town Levees (WP-42) work packages, and has provided Services During Bid (SDB) and Services During Construction (SDC) for WP-42 projects from July 10, 2014, to the present time. The Diversion Authority, in consultation with HMG and CH2M, has changed the scope of work of both the HMG Services During Construction (SDC) task order and the CH2M Construction Management (CM) task order.

SCOPE:

The change includes transfer of the following scope from the CM task to the SDC task:

- scheduling and coordination of Owner's third party material testing firm,
- preparation of daily and weekly reports,
- development, scoping and negotiation of Change Orders,
- field surveys,
- maintenance of as-built drawings,
- preparation of site visit reports,
- commissioning of facilities, and
- issuing punch lists.

DELIVERABLES:

Deliverables include but are not limited to: daily and weekly reports, change orders, surveys, as-built drawings, commissioning reports, and punch lists.

SCHEDULE:

Begin upon receipt of AWD.

HOW WORK IS PERFORMED:

This work will be performed on a time and material basis.

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COST:

Cost incurred under this AWD shall not exceed $25,000, allocated as $10,000 for WP-42F.1S, $7,500 for WP-42H.2, and $7,500 for WP-42I.1, without further written approval. The above scope of work will be incorporated into a future Task Order No. 17 amendment, which will supersede this AWD. Costs associated with this AWD will be invoiced under Task Order 17 after the amendment has been executed.

REASON FOR CHANGE(S):

Extended negotiation period for Task Order 17 amendment.

ATTACHMENTS (List Supporting Documents):

Engineer's fee estimate.

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

Recommended by: CH2M HILL
Program Management Consultant

John Glatzmaier, P.E.	Program Manager
Name	Title
	May 24, 2016
Signature	Date

Ordered by: Board of Authority
Owner

Darrell Vanyo	Board Chair
Name	Title
Signature	Date

DRAFT

Technical Advisory Group Recommendation

Meeting Date: 5/23/2016

RECOMMENDATION FOR ACTION:

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

SUMMARY OF CONTRACTING ACTION:

The Owner's Representative prepared the following Contract Action(s) for the Technical Staff team:

List description of Contract Action(s):

Houston-Moore Group, LLC

MFDA – Task Order 17, Amendment 3 - WP-42 SDC $751,000

- Add SDC scope and budget for WP-42F.1N, Flood Control, 2nd St. N, North of Pump Station
- Add SDB scope and budget for WP-42F.2, Flood Control, 2nd St. S
- Add requirement for including Activity ID on monthly invoices

BACKGROUND:

Houston-Moore Group, LLC (HMG) is the Engineer of Record for the In-Town Levees (WP-42), and has provided Services During Bid (SDB) and Services During Construction (SDC) for WP-42 from July 10, 2014, to the present time.

Task Order 17, Amendment 0, included SDB and SDC for WP-42A.1 and A.3 (4th St. Pump Station and 2nd St. So. Floodwall), and WP-42A.2 (2nd St. Pump Station). Amendment 1 authorized SDB/SDC for WP-42F.1S (Flood Control, 2nd Street North, South of Pump Station) and SDB for WP-42H.2(El Zagal Area Flood Risk Management – Phase 2), WP-42I (Mickelson Levee Extension), and WP-42C.2 (Park East Demolition). Amendment 2 incorporated work authorized under AWD-00052 (WP-42C.1, HoJo, Old Shakey's, FPS – SDB; and WP-42C.2, Park East Demolition – SDC); added additional SDC period of performance and budget for both WP-42A.2 and WP-42A.1/A.3; added SDC scope and budget for WP-42H.2, WP-42I.1, and WP-42C.1; and, added SDB for WP-42F.1N.

Summary of Contracting History and Current Contract Action:

Original Agreement or Amendment	Budget ($) Change	Original Project Cost	Revised Project Cost	Project Start	Project Completion	Comments
Task Order 17 Amendment 0	$ -	$1,550,000	$ -	10-Jul-14	30-Sep-16	Initial WP-42 SDB and SDC agreement for WP-42A.1, WP-42A.2, and WP42A.3.
Task Order 17 Amendment 1	$693,000		$2,243,000	10-Jul-14	30-Sep-16	Adds SDB and SDC for WP-42F.1S; SDB for WP-42H.2; SDB for WP-42I; and, SDB for WP-42C.2.
Task Order 17 Amendment 2	$1,605,000		$3,848,000	10-Jul-14	30-Jun-17	Incorporated AWD-00052; added additional SDC period of performance and budget for WP-42A.2 and WP-42A.1/A.3; added SDC for WP-42H.2, WP-42I.1, and WP-42C.1; and, added SDB for 42F.1N.

Task Order 17 Amendment 3	$751,000		$4,599,000	1-May-16	31-Jul-17	Incorporates AWD-00058 and includes additional SDC services for 42F.1N. Adds requirement for Engineer to note Activity ID on monthly invoices.

DISCUSSION:

WP-42F.1N (Flood Control, 2nd St. N, North of Pump Station):

Amendment 3 adds SDC and PM scope and budget for WP-42F.1N. The Diversion Authority, in consultation with HMG and CH2M, has changed the scope of work of both the HMG Services During Construction (SDC) task order and the CH2M Construction Management (CM) task order.

The change includes transfer of the following scope from the CM task to the SDC task:

- scheduling and coordination of Owner's third party material testing firm,
- preparation of daily and weekly reports,
- development, scoping and negotiation of Change Orders,
- field surveys,
- maintenance of as-built drawings,
- preparation of site visit reports,
- commissioning of facilities, and
- issuing punch lists.

WP-42F.2 (2nd Street South Levee):

This AWD authorizes scope and budget for SDB for WP-42F.2. HMG's proposal for this work is attached, and the cost is shown in the budget table below.

Amendment 3 also adds the requirement for the Engineer to note on invoices the Activity ID associated with each invoiced activity.

WP-42 SDB and SDC Budgets by Work Package and Amendment:

Work Package	Act. ID	SDB ($)	SDC ($)	PM ($)	On Call ($)	Total ($)	Amendment
WP-42A.2 & 42A.1/A3	CN-XXXX	50,000	1,300,000	180,000	20,000	1,550,000	TO17-A0
WP-42F.1S	CN-XXXX	36,000	540,000	60,000		636,000	TO17-A1
WP-42H.2	CN-XXXX	27,000				27,000	
WP-42I.1	CN-XXXX	15,000				15,000	
WP-42C.2	CN-XXXX	15,000				15,000	
Subtotal TO17-A1		93,000	540,000	60,000	0	693,000	
WP-42A.2	CN-XXXX		192,000			192,000	TO17-A2
WP42A.1/A3	CN-XXXX		830,000	28,000		858,000	
WP-42C.1	CN-XXXX	10,000	22,000	3,000		35,000	
WP-42C.2	CN-XXXX		40,000			40,000	
WP-42H.2	CN-XXXX		263,000	38,000		301,000	
WP-42I.1	CN-XXXX		132,000	25,000		157,000	
WP-F.1N	CN-XXXX	22,000				22,000	
Subtotal TO17-A2		32,000	1,479,000	94,000	0	1,605,000	

WP-42F.1N	CN-XXXX	0	684,000	52,000	0	736,000	TO17-A3
WP-42F.2	CN-XXXX	15,000	0	0	0	15,000	
Subtotal TO17-A3		15,000	684,000	52,000	0	751,000	
TOTAL		**190,000**	**4,003,000**	**386,000**	**20,000**	**4,599,000**	

The PMC reviewed HMG's cost proposal and found it to be acceptable.

This change amount of $751,000 is included in the FY-2016 MFDA budget.

ATTACHMENT(S):

1. Draft Task Order 17, Amendment 3
2. HMG Cost Proposal for WP-42F.1N SDC
3. HMG Cost Proposal for WP-42F.2 SDB

Presented by:

May 24, 2016

John W. Glatzmaier, P.E.
CH2M HILL
Project Manager
Metro Flood Diversion Project

Date

Keith Berndt, Cass County Administrator
Concur: May 24, 2016 *Non-Concur:*

April Walker, Fargo City Engineer
Concur: May 24, 2016 *Non-Concur*

Mark Bittner, Fargo Director of Engineering
Concur: May 24, 2016 *Non-Concur:*

Jason Benson, Cass County Engineer
Concur: May 24, 2016 *Non-Concur*

David Overbo, Clay County Engineer
Concur: May 23, 2016 *Non-Concur:*

Robert Zimmerman, Moorhead City Engineer
Concur: May 24, 2016 *Non-Concur*

Nathan Boerboom, Diversion Authority Project Manager
Concur: May 24, 2016 *Non-Concur:*

This is Task Order No. 17, Amendment 3, consisting of 6 pages.

Houston-Moore Group, LLC

Task Order No. 17, Amendment 3

MFDA Purchase Order No. 174124

Services During Construction – Work Package 42

In accordance with Paragraph 1.01 of the Agreement between **Fargo-Moorhead Flood Diversion Authority** ("Owner") and **Houston-Moore Group, LLC** (HMG) ("Engineer") for Professional Services – Task Order Edition, dated March 8, 2012 ("Agreement"), Owner and Engineer agree as follows:

The parties agree that in the event of a conflict between prior versions of this Task Order No. 17 and this Amendment, the terms and conditions in this Amendment shall prevail, provided however, nothing herein shall preclude Engineer from invoicing for work authorized under prior versions of this Task Order and performed prior to effective date of this Amendment, even to the extent such prior work was revised by this Amendment. All other terms and conditions shall remain the same and are hereby ratified and affirmed by the parties.

REPLACE Task Order No. 17, Amendments 0, 1, and 2 in their entirety with the following:

1. Specific Project Data

   A. Title: SERVICES DURING CONSTRUCTION – WORK PACKAGE 42

   B. Description: Provide Services During Bid (SDB) and Services During Construction (SDC) for projects designed by HMG for the Fargo-Moorhead Area Flood Diversion Project (Project).

   C. Background: The scope of work for this Task Order includes SDB and SDC. Owner will be issuing various construction packages for bid. Engineer will assist Owner with SDC, including SDB. It is anticipated that the following construction contracts will be required:

      1) WP-42A.1, A.3 – Red River Levees – 4th Street Lift Station, Gatewell, and Outfall Structure
      2) WP-42A.2 – Red River Levees –2nd Street Lift Station and Gatewell Structure
      3) WP-42F.1S – Flood Control, 2nd Street North, South of Pump Station
      4) WP-42H.2 – El Zagal Area Flood Risk Management – Phase 2 (SDB and SDC)
      5) WP-42I.1 – Mickelson Levee Extension (SDB and SDC)
      6) WP-42C.2 – Park East Demolition (SDB and SDC)
      7) WP-42C.1 – HoJo, Old Shakey's, and FPS Demolition (SDB and SDC)
      8) WP-42F.1N – Flood Control, 2nd Street North, North of Pump Station (SDB and SDC)
      9) WP-42F.2 – Flood Control, 2nd Street South, (Park East) (SDB)

2. Services of Engineer

   The following functions and activities describe the general services authorized under this Task Order, Engineer will perform activities to accomplish the scope described herein, as well as other services that may be mutually agreed to by the parties pursuant to the terms of the Agreement.

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A. Services During Bidding

1) Respond to bidder inquiries forwarded by Owner's Representative during advertisement period and prepare addenda as necessary to provide a clear, biddable set of solicitation documents.

2) Attend and participate in pre-bid meetings and site visits.

3) Attend bid openings and, if requested, assist in evaluation of bids.

4) Incorporate addenda into the plans and technical specifications for the Contract Award Documents.

5) Prepare a submittal register based on the Contract Documents indicating required submittals, the specific technical submittals requiring review and/or approval by the Engineer, and administrative submittals that can be reviewed by the Owner's Representative.

B. Services During Construction

1) Comply with the general guidelines of the Memorandum for Record No. 018 (MFR-018) "Fargo-Moorhead Metro (FMM) Flood Risk Management (FRM) Project – Sponsor Constructed Features Roles and Responsibilities" between the Diversion Authority, US Army Corps of Engineers (USACE), and the Program Management Consultant (PMC) as modified herein.

2) Fulfill the duties of Engineer in accordance with the specific requirements of the Contract Documents for each project. Follow project documentation requirements provided by the PMC.

3) Participate in one or more partnering meetings.

4) Comply with Owner's and Contractor's safety plans.

5) Provide a Resident Project Representative (RPR) that will represent the Engineer and Owner's Representative. RPR will have the duties and defined in the Contract Documents for each project.

6) Provide Quality Assurance Managers and/or Project Engineers to perform general field observation and manage the specific inspections to be performed by third party materials testing firm, and other specialty inspection agents as needed.

    a. Validate results of tests and inspections, oversee retesting or other actions needed to reconcile deficiencies.

    b. Maintain a log for each type of test conducted.

    c. Prepare Daily Reports and submit to Owner's Representative and City of Fargo.

    d. Prepare Weekly Reports for each project documenting the work performed by Contractor, Quality Assurance activities performed, and current issues and challenges.

7) Respond to Requests for Information and other construction communication provided by the Owner's Representative.

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8) Review shop drawings, samples, and operation and maintenance manuals for conformance with the Contract Documents.

9) Lead development and scoping, and coordinate Contractor pricing of Change Orders or other modifications that affect the design or function of the Project, and provide drafts to PMC for review and approval recommendation to Owner.

10) Perform the following survey tasks in accordance with MRF-015, Survey Standards:

    a. Additional project control, if required.

    b. Benchmark checks during construction.

    c. Existing conditions surveys.

    d. Quantity surveys for Contractor's monthly payment application.

    e. As-built construction surveys.

11) Maintain a set of full-scale contract drawings indicating as-built conditions. Assemble redline information from Contractor, Engineer's Resident Project Representative, and other sources to maintain these drawings.

12) Prepare or review site visit reports for site visits by Engineer, USACE or their external peer review team, or other authorities.

13) Be responsible for commissioning activities, including equipment testing, demonstrations of capability and operability, and training of operating staff.

14) Assist Owner's Representative with determination of monthly pay application quantities.

15) Identify issues on a punch list for the Contractor to resolve. Upon completion of punch list items, coordinate a final inspection. Document each inspection.

16) Following completion of construction, update the Design Document Report to reflect the design changes, contract modifications, site conditions encountered, testing, and submittals.

17) Provide Final As-Built drawings in conformance with the same standards as the design drawings.

18) Prepare a post construction Inspection and Monitoring Plan specifying annual inspections required to verify satisfactory maintenance and performance of the flood risk management features.

19) Provide flood risk reduction certifications as required by Owner.

20) Deliverables:

    a. Contract Award Document(s)

    b. Log of QC Tests

    c. Daily Reports

    d. Weekly Reports

    e. Site Visit Reports

DRAFT

f. Punch List(s)

g. Updated Design Document Report

h. Final As-Built Drawings

i. Inspection and Monitoring Plan

j. Flood Risk Reduction Certifications

B. Project Management

1) Provide project management, including monthly status reports and invoicing to PMC, on Engineer's task activity.

2) Participate in regular and periodic meetings or teleconferences with contractors, the Owner's Representative, City of Fargo, Owner, and USACE.

3) Deliverables:

a. Monthly status reports and invoices

C. On-Call Services

1) Respond to requests for services from Owner or Owner's Representative for tasks not included in individual Task Orders. Services will be provided only with written authorization from Owner or Owner's Representative.

2) Deliverables:

a. On-call services deliverables as requested.

3. Owner's Responsibilities

Owner shall have those responsibilities set forth in Article 2 and in EXHIBIT B of the Agreement.

4. Times for Rendering Services

Subtask	**Start Time**	**Completion Time**
All Work	July 10, 2014	September 30, 2016
Amendment 2	January 28, 2016	June 30, 2017
Amendment 3	May 1, 2016	July 31, 2017

5. Payments to Engineer

A. Owner shall pay Engineer for services rendered as follows:

I. Compensation for services in Subtasks A, B, and C shall be on a Time and Material basis in accordance with the Standard Hourly Rates shown in Exhibit C of the Agreement.

II. The budgets for Subtask D is an allowance.

B. Engineer will notify Owner when 80 percent of the budget is expended.

C. Engineer will submit an amendment for additional compensation when 90 percent of the budget is expended, or confirm to Owner that this Task Order can be completed for the remaining budget.

D. Engineer will not perform work beyond 100 percent of the budget without Owner's authorization by an amendment to this Task Order.

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Subtask	Activity ID	Current Budget ($)	Change ($)	Revised Budget ($)
A. Services During Bid	CN-XXXX WP-42SDC	175,000	15,000	190,000
B. Services During Construction	CN-XXXX WP-42SDC	3,319,000	684,000	4,003,000
C. Project Management	CN-XXXX WP-42SDC	334,000	52,000	386,000
D. On-Call Services	CN-XXXX WP-42SDC	20,000	0	20,000
TOTAL		**3,848,000**	**751,000**	**4,599,000**

E. The terms of payment are set forth in Article 4 and EXHIBIT of Agreement C.

F. When invoicing work, Engineer shall note the Activity ID (shown in the table above) associated with each invoiced activity.

G. Provide monthly invoice and status report

i. Status report will accompany invoice, and detail work completed during the invoice period.

ii. Status report will be organized by subtask, and provide narrative of work completed on each subtask.

iii. Status of work completed will include:

1. Outstanding issues to resolve, expected steps to progress work, outstanding items required from Owner, Owner's Representative, or others to progress work, anticipated completion date of subtasks.

2. Dates of on-call services provided, and description of the activities performed by Engineer, including any deliverables produced.

3. Dates of deliverables otherwise required under the Project Management task.

6. Sub consultants:

A. Barr Engineering (geotechnical inspections and support)
B. SRF (signaling and lighting)

7. Other Modifications to Agreement: No additions or modifications

8. Attachments: None.

9. Documents Incorporated By Reference:

A. Agreement between Owner and Engineer for Professional Services – Task Order Edition, dated March 8, 2012.

B. AWD-00050 REV-0, Services During Bidding-WP-42F.1S, dated July 9, 2015.

C. AWD-00052 REV 0, WP-42C.2 SDC and WP-42C.1 SDB, dated November 12, 2015.

D. AWD-00058 REV 0, WP-42F.1N SDC and WP-42F.2 SDB, dated May 12, 2016.

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10. Terms and Conditions: Execution of this Task Order by Owner and Engineer shall make it subject to the terms and conditions of the Agreement (as modified above), which Agreement is incorporated by this reference. Engineer is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order is July 10, 2014.

ENGINEER:	OWNER:
Houston-Moore Group, LLC	**Fargo-Moorhead Metro Diversion Authority**
Signature Date	Signature Date
Jeffry J. Volk Name	Darrell Vanyo Name
President Title	Chairman, Flood Diversion Board of Authority Title
DESIGNATED REPRESENTATIVE FOR TASK ORDER:	DESIGNATED REPRESENTATIVE FOR TASK ORDER:
C. Gregg Thielman Name	Keith Berndt Name
Sr. Project Manager Title	Cass County Administrator Title
925 10th Avenue East West Fargo, ND 58078 Address	211 9th Street South , PO Box 2806 Fargo, ND 58108-2806 Address
cgthielman@houstoneng.com E-Mail Address	berndtk@casscountynd.gov E-Mail Address
(701) 237-5065 Phone	(701) 241-5720 Phone
Fax	(701) 297-6020 Fax

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FM Metro Risk Management Project

HMG Task Order No. 17 - Services During Construction

Task	Activity Description	Personnel Costs														Cost Per Task
		Senior Project Manager		Project Manager		Professional Engineer		Graduate Engineer		2M Crew		GIS Technician III		Senior Administrative		
		Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	
WP42F1North - Services During Construction (Assume a 11 month construction timeline for WP42F1North - May 1, 2016 to November 30, 2016 and April 1, 2017 to July 31, 2017)																
Task 2.B.3	Participate in one or more partnering meetings - **Assume 1 meetings**	2	$ 348	6	$ 942	0	$ -	6	$ 660		$ -		$ -		$ -	$ 1,950
Task 2.B.5	Provide a Resident Project Representative (RPR) that will represent the Engineer and Owner's Representative. RPR will have the duties and defined in the Contract Documents for each project. - **Assume 50 hours per week and 11 month (47 week) construction timeline.**	4	$ 696	40	$ 6,280	376	$ 54,896	2350	$ 258,500		$ -		$ -	40	$ 2,880	$ 323,252
Task 2.B.6	Provide Quality Assurance Managers and/or Project Engineers to perform general field observation and manage the specific inspections agents as needed. This includes a) Validate results of tests and inspections, oversee retesting or other actions needed to reconcile deficiencies. b) Maintain a log for each type of test conducted. c) Prepare Daily Reports and submit to Owner's Representative and City of Fargo. d) Prepare a weekly report for each project documenting the work performed by Contractor, Quality Assurance activities performed, and current issues and challenges.	2	$ 348	50	$ 7,850	200	$ 29,200	80	$ 8,800		$ -		$ -	16	$ 1,152	$ 47,350
Task 2.B.7	Respond to Requests for Information and other construction communication provided by the Owner's Representative	2	$ 348	80	$ 12,560	80	$ 11,680	100	$ 11,000		$ -		$ -	4	$ 288	$ 35,876
Task 2.B.8	Review shop drawings, samples, and operation and maintenance manuals for conformance with the Contract Documents	4	$ 696	60	$ 9,420	80	$ 11,680	120	$ 13,200		$ -		$ -	4	$ 288	$ 35,284
Task 2.B.9	Lead development and scoping, and coordinate Contractor pricing of change Orders or other modifications that affect the design or function of the Project, and provide drafts to PMC for review and approval recommendation to Owner	2	$ 348	40	$ 6,280	60	$ 8,760	160	$ 17,600		$ -		$ -	16	$ 1,152	$ 34,140
Task 2.B.10	Perform the following survey tasks in accordance with MFR-015, Survey Standards: a) Additional project control, if required; b) Benchmark checks during construction; c) Existing conditions surveys; d) Quantity surveys for Contractor's monthly payment application; e) As-built construction surveys.	2	$ 348	0	$ -	8	$ 1,168	20	$ 2,200	60	$ 13,920	8	$ 984		$ -	$ 18,620
Task 2.B.11	Maintain a set of full-scale contract drawings indicating as-built conditions. Assemble redline informaiton from Contractor, Engineer's RPR, and other sources to maintain these drawings	2	$ 348	8	$ 1,256	40	$ 5,840	140	$ 15,400	0	$ -		$ -		$ -	$ 22,844
Task 2.B.12	Prepare or review site visit reports for site visits by Engineer, USACE or their external peer review team, or other authorities	2	$ 348	20	$ 3,140	20	$ 2,920	20	$ 2,200		$ -	0	$ -	8	$ 576	$ 9,184
Task 2.B.13	Be responsible for commissioning activities, including equipment testing, demonstrations of capability and operability, and training of operating staff.	2	$ 348	4	$ 628	16	$ 2,336	16	$ 1,760		$ -	0	$ -	8	$ 576	$ 5,648
Task 2.B.14	Assist Owner's Representative with determination of monthly pay application quantities.	2	$ 348	20	$ 3,140	50	$ 7,300	50	$ 5,500		$ -	0	$ -		$ -	$ 16,288
Task 2.B.15	Identify issues on a punch list for the Contractor to resolve. Upon completion of punch list items, coordinate a final inspection. Document each inspection.	2	$ 348	4	$ 628	20	$ 2,920	25	$ 2,750		$ -	0	$ -		$ -	$ 6,646
Task 2.B.16	Following completion of construction, update the Design Documentation Report to reflect the design changes, contract modifications, site conditions encountered, testing, and submittals	16	$ 2,784	16	$ 2,512	40	$ 5,840	24	$ 2,640		$ -	24	$ 2,952	16	$ 1,152	$ 17,880
Task 2.B.17	Provide Final As-Built drawings in conformance with the same standards as the design drawings (WP42F1N) -	2	$ 348	8	$ 1,256	60	$ 8,760	80	$ 8,800		$ -	40	$ 4,920	8	$ 576	$ 24,660
Task 2.B.18	Prepare a post construction Inspection and Monitoring Plan specifying annual inspections required to verify satisfactory maintenance and performance of the flood risk management features.	2	$ 348	20	$ 3,140	40	$ 5,840	20	$ 2,200		$ -		$ -	4	$ 288	$ 11,816
Task 2.B.19	Provide flood risk reduction certifications as required by owner or Diversion Authority	4	$ 696	24	$ 3,768	40	$ 5,840	16	$ 1,760		$ -		$ -	2	$ 144	$ 12,208
	Total	52	$ 9,048	400	$ 62,800	1130	$ 164,980	3227	$ 354,970	60	$ 13,920	72	$ 8,856	126	$ 9,072	$ 623,646
WP42F1North - Project Management																
Task 2.C.1	Provide project management, including monthly status reports and invoicing to Owner on Engineer's task activity - **Assume11 month (47 week) construction timeline and 2 hour per month for PM and Prof. Eng.**	0	$ -	0	$ -	22	$ 3,212	22	$ 2,420		$ -		$ -		$ -	$ 5,632
Task 2.C.2	Participate in regular and periodic meetings or teleconferences with contractors, the Owner's Representatives, Owner, and USACE - **Assume 11 month (47 week) construction timeline and 3 hour per week (including prep.) for PM and Prof. Eng.**	0	$ -	0	$ -	141	$ 20,586	141	$ 15,510		$ -		$ -		$ -	$ 36,096
	Total	0	$ -	0	$ -	163	$ 23,798	163	$ 17,930	0	$ -	0	$ -	0	$ -	$ 41,728
	Geotechnical Support															$ 40,000
	Technical Support - SRF															$ 20,000
	Expenses (WP42F1N)															$ 10,000
	Grand Totals	52		400		1293		3390		60		72		126		$ 735,374

FM Metro Risk Management Project

HMG Task Order No. 17 - Services During Construction - WP42F2

Task	Activity Description	Personnel Costs										Cost Per Task
		Senior Project Manager		Project Manager		Professional Engineer		Graduate Engineer		Senior Administrative		
		Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	
WP42I - Mickelson Levee Extension -Services During Bidding.												
Task 2.A.1	Respond to bidder inquiries forwarded by Owner's Representative during advertisement period and prepare addenda as necessary to provide a clear, biddable set of solicitation documents.	1	$ 174	4	$ 628	16	$ 2,336	8	$ 880	2	$ 144	$ 4,162
Task 2.A.2	Attend and participate in pre-bid meetings and site visits.	0	$ -	0	$ -	8	$ 1,168		$ -	1	$ 72	$ 1,240
Task 2.A.3	Attend bid openings and, if requested, assit in evaluation of bids.	1	$ 174	0	$ -	6	$ 876		$ -	1	$ 72	$ 1,122
Task 2.A.4	Incorporate addenda into the plans and technical specifications to create a set of Contract Award Documents	0	$ -	4	$ 628	12	$ 1,752	24	$ 2,640	4	$ 288	$ 5,308
Task 2.A.5	Prepare a submittal register based on the Contract Documents indicating required submittals, the specific technical submittals requiring review and/or approval by the Engineer, and administrative submittals that can be reviewed by the Owner's Representatives.	1	$ 174	2	$ 314	12	$ 1,752	4	$ 440	2	$ 144	$ 2,824
	Total	3	$ 522	10	$ 1,570	54	$ 7,884	36	$ 3,960	10	$ 720	$ 14,656

Technical Advisory Group Recommendation

Meeting Date: 5/19/2016

RECOMMENDATION FOR ACTION:

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

SUMMARY OF CONTRACTING ACTION:

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

List description of Contract Action(s):

Description	Budget Estimate ($)
WP-42A.2: Industrial Builders, Inc.	
Change Order #7	***$1,870.32***
• WP-42A.2, 2nd Street North Pump Station – Pump Station Beacons	

Summary of Contracting History and Current Contract Action:

Original Agreement or Amendment	Budget ($) Change	Original Project Cost	Revised Project Cost	Project Start	Project Completion	Comments
Original Contract	$8,069,000.00	$0.00	$8,069,000.00	9-Oct-14	31-Jan-16	Contract Award recommended to lowest responsive bidder, Industrial Builders, Inc.
Change Order No. 1	$66,920.00	$8,069,000.00	$8,135,920.00	9-Oct-14	31-Jan-16	Revisions to traffic control
Change Order No. 2	$67,397.00	$8,135,920.00	$8,203,317.00	9-Oct-14	31-Jan-16	Accommodate unforeseen subsurface conditions (remove concrete structure and dispose of contaminated soil)
Change Order No. 3	$225,056.00	$8,203,317.00	$8,428,373.00	9-Oct-14	16-Feb-16	Change in design requirements for backfill of structure
Change Order No. 4	$238,871.75	$8,428,373.00	$8,667,244.75	9-Oct-14	25-Apr-16	Baffle wall, sheeting, and 2nd Street road closure
Change Order No. 5	$7,614.93	$8,667,244.75	$8,674,859.68	9-Oct-14	25-Apr-16	Physical model tests, vacuum line, pump station veneer, and cold weather construction costs.
Change Order No. 6	$43,488.99	$8,674,859.68	$8,718,348.67	9-Oct-14	7-Dec-16	Completion Milestone Changes, Extended Warranty Duration, Modifications to Trash Rack and Rake, and Check Valve Replacement.
Change Order No. 7	$1,870.32	$8,718,348.67	$8,720,218.99	9-Oct-14	7-Dec-16	Pump Station Beacons

DISCUSSION

1. Change Order No. 7 adds exterior pump station beacons to total an increase of $1,870.32 to the Contract Price. The Change Order consists of the following items:
    a. **Pump Station Beacons** – The City of Fargo requested that pump station beacons be added to the exterior of the building to indicate lift station energization, pump operation, and high wet well level alarm condition. This cost includes furnishment and installation of all equipment and labor associated with operation beacons. CH2M and HMG have reviewed this cost and find it acceptable.

ATTACHMENT(S):

1. Draft Change Order No. 7 with unit price schedule and Change Proposal Request dated 4/27/2016

Submitted by:

May 21, 2016

John Glatzmaier
CH2M HILL
Project Manager
Metro Flood Diversion Project

Date

Keith Berndt, Cass County Administrator
Concur: May 24, 2016 *Non-Concur:* _____

April Walker, Fargo City Engineer
Concur: May 24, 2016 *Non-Concur* _____

Mark Bittner, Fargo Director of Engineering
Concur: May 24, 2016 *Non-Concur:* _____

Jason Benson, Cass County Engineer
Concur: May 24, 2016 *Non-Concur* _____

David Overbo, Clay County Engineer
Concur: _____ *Non-Concur:* _____

Robert Zimmerman, Moorhead City Engineer
Concur: May 24, 2016 *Non-Concur* _____

Nathan Boerboom, Diversion Authority Project Manager
Concur: May 24, 2016 *Non-Concur:* _____

Change Order No. 07

Date of Issuance:	5/26/2016	Effective Date:	5/26/2016
Owner:	Metro Flood Diversion Authority	Owner's Contract No.:	WP-42A.2
Owner's Representative:	CH2M HILL Engineers, Inc.	Owner's Representative Project No.:	435534
Contractor:	Industrial Builders, Inc.	Contractor's Project No.:	
Engineer:	Houston-Moore Group, LLC	Work Package No.:	WP-42A.2
Project:	Fargo-Moorhead Area Diversion	Contract Name:	2nd Street/Downtown – In-Town Levees, 2nd Street N Pump Station, Fargo ND

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

Description:

1. FURNISH AND INSTALL PUMP STATION BEACONS
    a. Add scope and cost to accommodate Owner's request to add beacons next to GO / NO GO alarm flashing light between doors 101A and 102A by modifying bid item *019 Electrical – Exterior* as shown in the attached Unit Price Schedule dated May 26, 2016.
    b. Replace plan drawings E-102 and E-108 in their entirety with the attached plans.

Attachments:

- Change Order 7 Unit Price Schedule dated 5/17/16
- Plan drawings E-102 and E-108

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES *[note changes in Milestones if applicable]*
Original Contract Price: **8,069,000.00**	Original Contract Times: Substantial Completion: November 30, 2015 Ready for Final Payment: January 31, 2016 days or dates
[Increase] [~~Decrease~~] from previously approved Change Orders No. 01 thru 06: **649,348.67**	[Increase] [~~Decrease~~] from previously approved Change Orders No. 01 thru 06: Substantial Completion: October 7, 2016 Ready for Final Payment: December 7, 2016 days or dates
Contract Price prior to this Change Order: **8,718,348.67**	Contract Times prior to this Change Order: Substantial Completion: October 7, 2016 Ready for Final Payment: December 7, 2016 days or dates
[Increase] [~~Decrease~~] of this Change Order:	[~~Increase~~] [~~Decrease~~] of this Change Order:

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1,870.32	Substantial Completion: October 7, 2016 Ready for Final Payment: December 7, 2016 days or dates
Contract Price incorporating this Change Order: **8,720,218.99**	Contract Times with all approved Change Orders: Substantial Completion: October 7, 2016 Ready for Final Payment: December 7, 2016 days or dates

RECOMMENDED:	ACCEPTED:	ACCEPTED:
By: _____	By: _____	By: _____
Owner's Representative (Authorized Signature)	Owner (Authorized Signature)	Contractor (Authorized Signature)
Name: Tyler Smith, P.E.	Name: Darrell Vanyo	Name: David Goulet
Title: Construction Manager	Title: Chairman	Title: Project Manager
Date: _____	Date: _____	Date: _____

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WP-42A.2
2nd Street N Pump Station

Change Order 7 Unit Price Schedule
DATE: 5/26/2016

WP-42A.2 - 2nd Street N Pump Station												
ITEM	DESCRIPTION	UNIT	Current Budget (thru CO-06)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0001	Mobilization	LS	1	400,200.00	$ 400,200.00				1	400,200.00	$ 400,200.00	
0002	Demolition – Pavement Removal, Miscellaneous	LS	1	20,000.00	$ 20,000.00				1	20,000.00	$ 20,000.00	
0003	Site Civil	LS	1	500.00	$ 500.00				1	500.00	$ 500.00	
0004	Erosion and Sediment Control	LS	1	8,000.00	$ 8,000.00				1	8,000.00	$ 8,000.00	
0005	Traffic Control	LS	1	116,920.00	$ 116,920.00				1	116,920.00	$ 116,920.00	
0006	Fencing	LF	800	25.00	$ 20,000.00				800	25.00	$ 20,000.00	
0007	Pump Station – Structural and Architectural	LS	1	3,645,000.00	$ 3,645,000.00				1	3,645,000.00	$ 3,645,000.00	
0008	Stormwater Pumps and Motors	LS	1	1,301,944.14	$ 1,301,944.14				1	1,301,944.14	$ 1,301,944.14	
0009	Sump Pumps	LS	1	90,000.00	$ 90,000.00				1	90,000.00	$ 90,000.00	
0010	Trash Racks and Miscellaneous Metals	LS	1	357,489.51	$ 357,489.51				1	357,489.51	$ 357,489.51	
0011	Sluice Gates and Wall Thimbles	LS	1	200,000.00	$ 200,000.00				1	200,000.00	$ 200,000.00	
0012	F&I Floodwall Reinforced Bars - Steel	LB	13,000	2.30	$ 29,900.00				13,000	2.30	$ 29,900.00	
0013	F&I Floodwall Reinforced Bars - Epoxy Coated Steel	LB	12,000	1.80	$ 21,600.00				12,000	1.80	$ 21,600.00	
0014	F&I Floodwall - Structural Concrete	CY	165	1,200.00	$ 198,000.00				165	1,200.00	$ 198,000.00	
0015	F&I Floodwall – Misc.	LS	1	50,000.00	$ 50,000.00				1	50,000.00	$ 50,000.00	
0016	Sheetpiling	LS	1	1,125,000.00	$ 1,125,000.00				1	1,125,000.00	$ 1,125,000.00	
0017	Switchboard SWBDA, Motor Control Center MCCA, Automatic Transfer Switch, Panel LP1	LS	1	128,000.00	$ 128,000.00				1	128,000.00	$ 128,000.00	
0018	Electrical-Interior	LS	1	156,000.00	$ 156,000.00				1	156,000.00	$ 156,000.00	
0019	Electrical-Exterior	LS	1	27,000.00	$ 27,000.00	1	$ 1,870.32	$ 1,870.32	1	28,870.32	$ 28,870.32	
0020	Instrumentation and Controls	LS	1	99,000.00	$ 99,000.00				1	99,000.00	$ 99,000.00	
0021	Programming	LS	1	5,500.00	$ 5,500.00				1	5,500.00	$ 5,500.00	

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WP-42A.2 - 2nd Street N Pump Station												
ITEM	DESCRIPTION	UNIT	Current Budget (thru CO-06)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0022	HVAC – General	LS	1	90,000.00	$ 90,000.00				1	90,000.00	$ 90,000.00	
0023	Plumbing General	LS	1	5,300.00	$ 5,300.00				1	5,300.00	$ 5,300.00	
0024	Health and Safety	LS	1	50,000.00	$ 50,000.00				1	50,000.00	$ 50,000.00	
0025	Remove Subsurface Concrete Structure	LS	1	7,397.00	$ 7,397.00				1	7,397.00	$ 7,397.00	
0026	Hazardous Fill Removal and Disposal - T&M, Not to Exceed	LS	1	60,000.00	$ 60,000.00				1	60,000.00	$ 60,000.00	
0027	Backfill Below 882'	LS	1	158,293.32	$ 158,293.32				1	158,293.32	$ 158,293.32	
0028	Backfill Above 882'	LS	1	61,324.68	$ 61,324.68				1	61,324.68	$ 61,324.68	
0029	Electric Unit Heater (RFI-029A)	LS	1	1,472.00	$ 1,472.00				1	1,472.00	$ 1,472.00	
0030	Louvers (RFI-043)	LS	1	3,966.00	$ 3,966.00				1	3,966.00	$ 3,966.00	
0031	Install Baffle Wall	LS	1	$ 176,792.50	$ 176,792.50				1	176,792.50	$ 176,792.50	
0032	Leave Sheeting in Place	LS	1	$ 64,179.25	$ 64,179.25				1	64,179.25	$ 64,179.25	
0033	Close 2nd Street North	LS	1	$ 3,950.00	$ 3,950.00				1	3,950.00	$ 3,950.00	
0034	Reduced Vacuum Line Size	LS	1	$ (516.99)	$ (516.99)				1	(516.99)	$ (516.99)	
0036	Substitute Utility Brick Veneer for Stone Veneer	LS	1	$ (12,750.00)	$ (12,750.00)				1	(12,750.00)	$ (12,750.00)	
0037	Cold Weather Construction	LS	1	$ 14,831.92	$ 14,831.92				1	14,831.92	$ 14,831.92	
0038	Warranty Extended Duration	LS	1	$ 34,055.34	$ 34,055.34				1	34,055.34	$ 34,055.34	
WP-42A.2 - TOTAL AMOUNT			**CURRENT BUDGET**		**$ 8,718,348.67**	**NET CHANGE**		**$ 1,870.32**	**NEW BUDGET**		**$ 8,720,218.99**	

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FLOOD DIVERSION AUTHORITY

Change Proposal Request

PROJECT DATA			
Project Name:	2nd Street North Pump Station	Owner:	Metro Flood Diversion Authority
WP #:	42A.2	Owner's Rep:	CH2M HILL Engineers,INC.
Date of Issue:	4/27/2016	Engineer:	Ken Demmons/HMG

REQUEST FOR PROPOSAL DATA			
To:	David Goulet/IBI	CPR No:	001
From:	Metro Flood Diversion Authority	Due Date:	5/4/2016
Description:	Furnish and install 125 Class XBR XTRA-BRITE LED		

Pursuant to the General Conditions, please provide a quotation for the alteration as described in Item 1. The quotation should include an itemized breakdown of contractor and subcontractor costs, including labor, materials, rentals, approved services, overhead, and profit. This request shall not be considered authorization to proceed with the work described herein.

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TO BE COMPLETED BY OWNER'S REPRESENTATIVE:

1.Scope of Work: (include list of attachments):

- Furnish and install 125 Class XBR XTRA-BRITE LED beacons as listed below. Beacons to be installed next to Go/No Go alarm flashing light between doors 101A and 102A. Each beacon to be energized via PLC output circuits.
  - Blue beacon-energized when 3-phase power to Lift Station is ok.
  - Green beacon –energized when one or more of the Stormwater Pumps are running.
  - Red beacon-energized when a high-high wet well level alarm condition (LAHH-200) exists.
- Provide 6#14 conductors with 1#14 ground in ¾" conduit from CP-201 to indicating lights. Portions of the existing conduit from CP-201 to the Go/ No Go lights may be used for this purpose.

Attachments:

Drawings:

E-102: Instrumentation and Control Block Diagram.

E-108, detail : Ground Level 208/120 Power, Instrumentation and control Panel.

Specifications:
Data Sheet ES001-0109 Issue 1, 125 Class XBR XTRA-BRITE LED Beacons.

2. Reason(s) for Modification: ☒ Owner ☐ Unforeseen Conditions (site, weather, etc) ☐ Other

3. Approval of Request:

Owner:	Metro Flood Diversion Authority	Date:	
Owner's Rep:		Date:	4/28/16
Engineer:	Ken Demmons/HMG	Date:	April 27, 2016

TO BE COMPLETED BY CONTRACTOR:
4. Total cost of modification (attach change proposal) $
5. Will a modification to the contract time be required? ☐ Yes ☐ No
If so, trade(s)
Number of personnel
Duration (calendar days)
6. Attachment identification (list):
7. Quotation is in for __ **days** after receipt by Engineer:
8. Approval of Quotation:
Contractor: Date:

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Edwards Signaling™

125 Class XBR XTRA-BRITE™ LED Beacons

for NEMA 4X Applications

The Edwards 125 Class XBR XTRA-BRITE™ LED beacons are UL and cUL listed dual mode signaling devices, available in two versions, Steady-On/Flashing (125XBRM) and Steady-On/Lightburst (125XBRZ). Both versions feature a corrosion resistant Type 4X enclosure and can be panel or conduit mounted. The base is manufactured from a 33% glass filled nylon, providing high resistance to heat and high chemical resistivity. The lens is made of shatter resistant polycarbonate. Both the Steady-On/Flashing LED and Steady-On/Lightburst LED beacons are available with either a black or gray base, and amber, blue, green, red or white lens.

Both the 125XBRM and 125XBRZ beacons are dual mode devices, maximizing application flexibility while reducing inventory costs. The 125XBRM beacons ship from the factory in Steady-On mode, with the built-in option of switching to Flashing mode (65 fpm) through an additional wire connection. The 125XBRZ beacon ships in Steady-On mode, and when ultra visibility is critical to the application, can be easily switched to Lightburst mode.

The 125 Class XBR LED beacons can be mounted on 1/2" or 3/4" NPT conduit using a 1/2" internal or 3/4" external conduit hub that comes with the unit. It can also be panel-mounted using the mounting gasket provided with the unit. When panel-mounting the 125 Class XBR LED, the surface and construction details of the panel must be taken into consideration to insure the integrity of the outdoor, NEMA 4X rating is fully maintained.

125 Class XBR LED Features

- Available in 24V DC or 120V AC
- Available with gray or black base
- Option for panel or conduit mounting
- Available in dual mode Steady-On/Flashing LED or Steady-On/Lightburst LED versions
- Available with amber, blue, green, red or white lens
- -31°F to 150°F (-35° to 66°C) operating temperature
- Protective wire guard available, Cat. No. 125GRD

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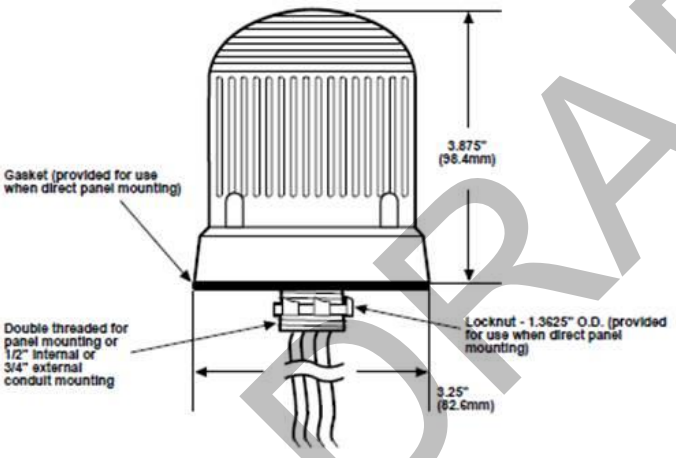
125 Class XBR LED Beacons

Description	Operation	Cat. No.	Base Color	LED Colors	Projected LED Life (L70)**	Operating Voltage	Current	Replacement Lens
Dual Mode XBR LED Beacons in NEMA 4X Enclosure	Steady-On/ Flashing LED	125XBRM*24D	Gray	Amber, Blue, Green, Red, White	148,000 hours	24V DC	0.215 A	125L*
		125XBRM*120A	Gray	Amber, Blue, Green, Red, White	148,000 hours	120V AC 50/60 Hz	0.108 A	125L*
		125XBRM*24DB	Black	Amber, Blue, Green, Red, White	148,000 hours	24V DC	0.215 A	125L*
		125XBRM*120AB	Black	Amber, Blue, Green, Red, White	148,000 hours	120V AC 50/60 Hz	0.108 A	125L*
	Steady-On/ Lightburst	125XBRZ*24D	Gray	Amber, Blue, Green, Red, White	148,000 hours	24V DC	0.215 A	125L*
		125XBRZ*120A	Gray	Amber, Blue, Green, Red, White	148,000 hours	120V AC 50/60 Hz	0.108 A	125L*
		125XBRZ*24DB	Black	Amber, Blue, Green, Red, White	148,000 hours	24V DC	0.215 A	125L*
		125XBRZ*120AB	Black	Amber, Blue, Green, Red, White	148,000 hours	120V AC 50/60 Hz	0.108 A	125L*

*Letter in this position designates lens/LED color: A - amber, B - blue, G - green, R - red, or W - white

**LED Manufacturer's Median Projected LED Life for LUXEON Rebel LEDs (L70 at 85°C and $T_{junction}$ 98°C). Actual LED life will vary inversely with ambient temperature, voltage, driver current, junction temperature and duty-cycle at which the signaling device is operated. Please refer to http://www.philipslumileds.com/pdfs/WP15.pdf.

Dimensional Drawings



Agency Approvals

Listed NEMA Type 4X Enclosure

Listed

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Edwards Signaling™

41 Woodford Avenue
Plainville, CT 06062
1.800.336.4206
www.edwardssignaling.com

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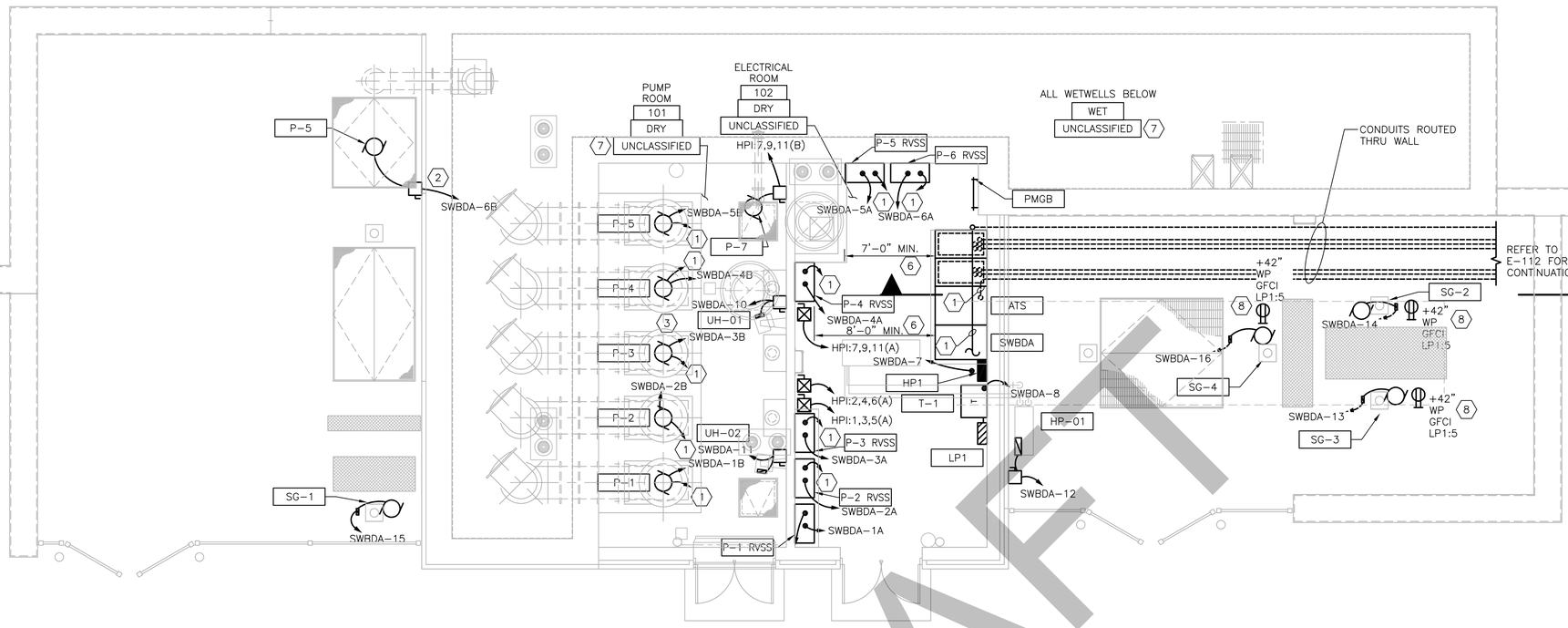
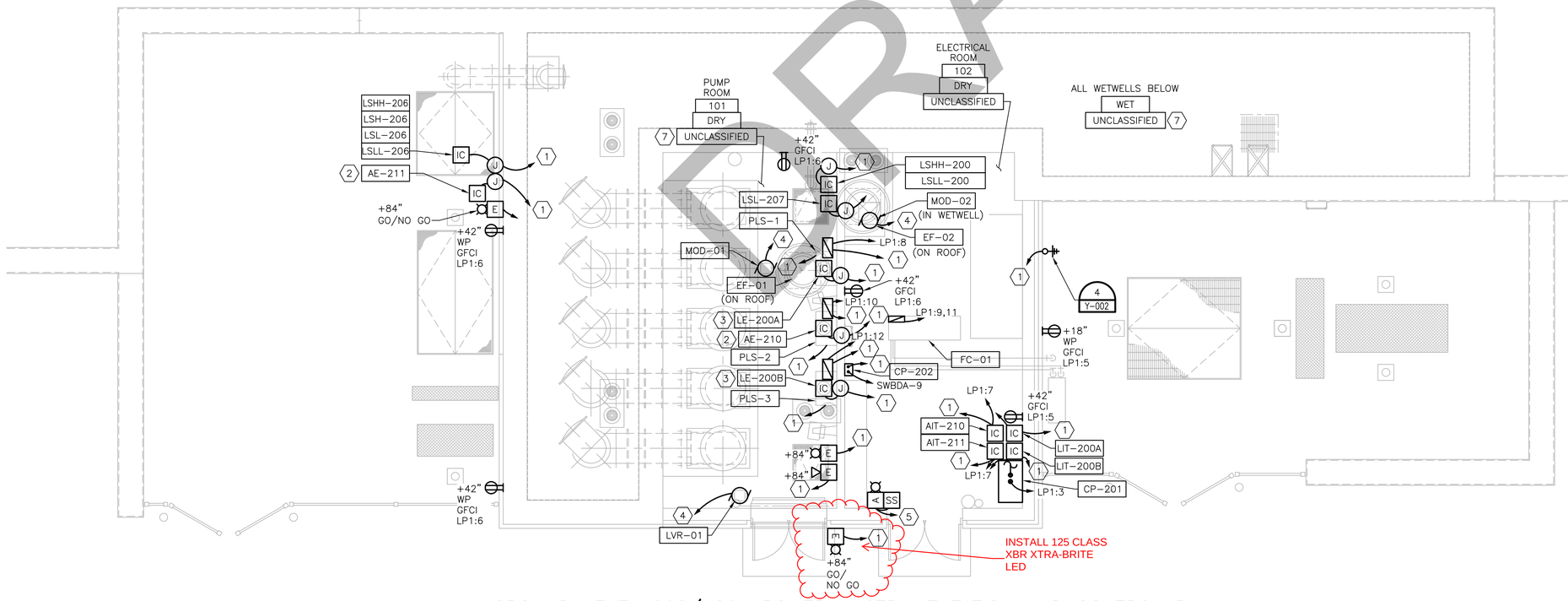
This document was originally issued and sealed by Kevin K. Thernes, Registration No. PE-9499, on 08/25/14 and the original document is stored at CH2M Hill Engineering, Inc., Fargo, N.D.



GROUND LEVEL 480V POWER PLAN



GROUND LEVEL 208/120V POWER, INSTRUMENTATION AND CONTROL PLAN

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GENERAL NOTES:

1. REFER TO ONE-LINE DRAWINGS AND SCHEDULES FOR CIRCUIT INFORMATION.

KEYNOTES:

1. REFER TO SHEETS E-102, E-103 AND E-104 FOR TERMINATION POINT AND CONDUIT & WIRING INFORMATION.
2. AE-210 & AE-211 MOUNTED IN WETWELL AND ATTACHED TO FLANGE. SEE DETAIL 1/Y-102.
3. LE-200A & LE-200B MOUNTED IN WETWELL AND ATTACHED TO FLANGE. SEE DETAIL 2/Y-102.
4. SEE SHEET E-104 FOR WIRING INFORMATION.
5. ARC-FLASH MAINTENANCE SWITCH, LIGHT, AND SIGN, SEE SHEET E-104 FOR WIRING INFORMATION.
6. PER NFPA 70 110.26 (C)(2)(b).
7. THE ENTIRE WETWELL ARE AND PUMP ROOM, HAVE BEEN DETERMINED TO BE UNCLASSIFIED BASED ON A JOINT DETERMINATION BETWEEN THE OWNER, CITY OF FARGO FIRE MARSHAL, AND THE ENGINEER. IN THESE AREAS, THE CONTRACTOR SHALL PROVIDE MATERIAL AND EQUIPMENT RATED FOR CLASS I, DIVISION 2 LOCATIONS. INSTALLATION OF MATERIAL AND EQUIPMENT IN OR ADJACENT TO THE WETWELL AND PUMP ROOM SHALL COMPLY WITH REQUIREMENTS FOR CLASS I, DIVISION 2 LOCATIONS. IN ADDITION, THE FOLLOWING SHALL BE INSTALLED IN ACCORDANCE WITH NEC REQUIREMENTS FOR CLASS I, DIVISION 2 AREAS:
   - EQUIPMENT INSTALLED WITHIN 3'-0" HORIZONTALLY AND 18" VERTICALLY OF HATCHES OR AREAS OPEN TO THE WETWELL.
   - EQUIPMENT INSTALLED WITHIN A 3'-0" RADIUS OF EXHAUST FANS.
8. SEE 4/E-105 FOR RECEPTACLE MOUNTING DETAIL.

HOUSTON - MOORE GROUP

2ND STREET/DOWNTOWN - IN-TOWN LEVEES
2ND STREET N PUMP STATION
FARGO, NORTH DAKOTA
WORK PACKAGE 42A.2
GROUND LEVEL POWER PLANS

DATE:	10/9/2014
REVISED:	
REVISED:	
REVISED:	
RECORD:	
FILE NAME:	E-108.DWG
PROJECT No.	228474-164
DRAWN BY:	KLG
CHECKED BY:	KKT
PROJ. MANAGER:	KTD
PROJ. ENGINEER:	KLG

E-108

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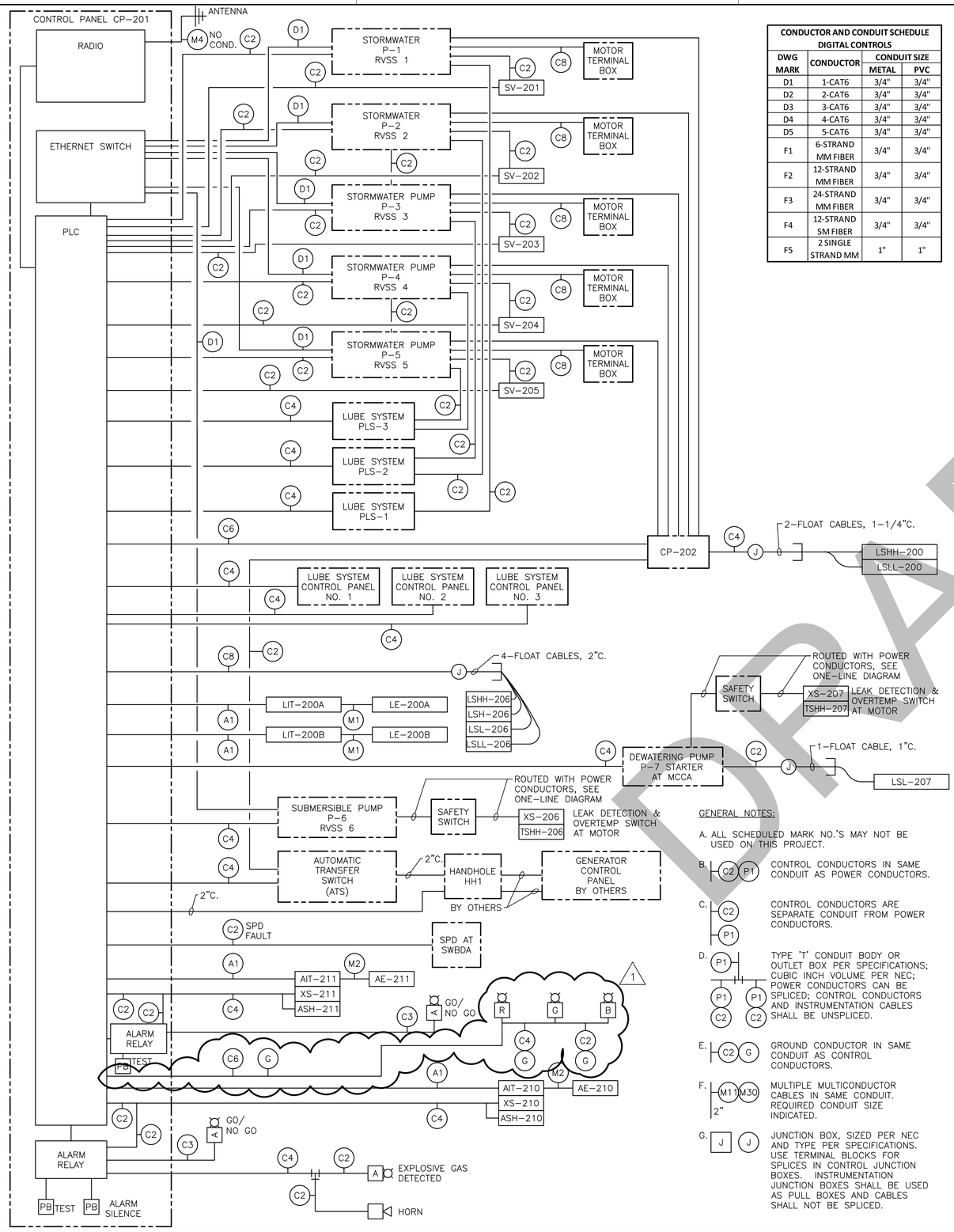

CONDUCTOR AND CONDUIT SCHEDULE DIGITAL CONTROLS			
DWG MARK	CONDUCTOR	CONDUIT SIZE	
		METAL	PVC
D1	1-CAT6	3/4"	3/4"
D2	2-CAT6	3/4"	3/4"
D3	3-CAT6	3/4"	3/4"
D4	4-CAT6	3/4"	3/4"
D5	5-CAT6	3/4"	3/4"
F1	6-STRAND MM FIBER	3/4"	3/4"
F2	12-STRAND MM FIBER	3/4"	3/4"
F3	24-STRAND MM FIBER	3/4"	3/4"
F4	12-STRAND SM FIBER	3/4"	3/4"
F5	2 SINGLE STRAND MM	1"	1"

CONDUCTOR AND CONDUIT SCHEDULE MULTICONDUCTOR CONTROL CIRCUITS				
DWG MARK	CONDUCTOR	CONDUIT SIZE		
		METAL	PVC	FLEX
M1	MANUFACTURED SUPPLIED	3/4"	3/4"	3/4"
M2	MANUFACTURED SUPPLIED	1"	1"	1"
M3	MANUFACTURED SUPPLIED	2"	2"	2"
M4	MANUFACTURED SUPPLIED			
M5	MANUFACTURED SUPPLIED			
M6	MANUFACTURED SUPPLIED			
M7	MANUFACTURED SUPPLIED			
M8	MANUFACTURED SUPPLIED			
M9	MANUFACTURED SUPPLIED			
M10	OWNER SUPPLIED	1"	1"	1"
M11	1-2/C #14	3/4"	3/4"	3/4"
M12	2-2/C #14	3/4"	1"	1"
M13	3-2/C #14	1"	1 1/4"	1"
M14	4-2/C #14	1 1/4"	1 1/4"	1"
M15	5-2/C #14	1 1/4"	1 1/2"	1"
M16	6-2/C #14	1 1/2"	1 1/2"	1 1/2"
M19	9-2/C #14	2"	2"	2"
M20	10-2/C #14	2"	2"	2"
M21	1-3/C #14	3/4"	3/4"	3/4"
M22	2-3/C #14	1"	1 1/4"	1"
M23	3-3/C #14	1"	1 1/4"	1 1/4"
M24	4-3/C #14	1 1/4"	1 1/4"	1 1/4"
M25	5-3/C #14	1 1/4"	1 1/2"	1 1/2"
M26	6-3/C #14	1 1/2"	2"	1 1/2"
M27	7-3/C #14	1 1/2"	2"	2"
M28	8-3/C #14	2"	2"	2"
M29	9-3/C #14	2"	2"	2"
M30	10-3/C #14	2"	2 1/2"	2"
M31	1-4/C #14	3/4"	3/4"	3/4"
M32	2-4/C #14	1 1/4"	1 1/4"	1 1/4"
M33	3-4/C #14	1 1/4"	1 1/4"	1 1/4"
M34	4-4/C #14	1 1/4"	1 1/2"	1 1/4"
M35	5-4/C #14	1 1/2"	2"	1 1/2"
M36	6-4/C #14	2"	2"	2"
M37	7-4/C #14	2"	2"	2"
M39	9-4/C #14	2"	2 1/2"	2"
M41	1-7/C #14	3/4"	3/4"	3/4"
M42	2-7/C #14	1 1/4"	1 1/2"	1 1/4"
M43	3-7/C #14	1 1/4"	1 1/2"	1 1/4"
M44	4-7/C #14	1 1/2"	2"	2"
M45	5-7/C #14	2"	2"	2"
M46	6-7/C #14	2"	2"	2"
M47	7-7/C #14	2"	2"	2"
M51	1-9/C #14	1"	1"	1"
M52	2-9/C #14	1 1/2"	2"	1 1/2"
M53	3-9/C #14	2"	2"	2"
M54	4-9/C #14	2"	2 1/2"	2"
M55	5-9/C #14	2 1/2"	2 1/2"	2 21/2"
M56	6-9/C #14	2 1/2"	3"	2 21/2"
M61	1-12/C #14	1"	1"	1"

CONDUCTOR AND CONDUIT SCHEDULE INSTRUMENTATION CIRCUITS					
DWG MARK	CONDUCTOR	GROUND	CONDUIT SIZE		
			METAL	PVC	FLEX
A1	1-TSP #16	DRAIN	3/4"	3/4"	3/4"
A2	2-TSP #16	DRAIN	3/4"	1"	3/4"
A3	3-TSP #16	DRAIN	3/4"	1"	3/4"
A4	4-TSP #16	DRAIN	1"	1 1/4"	1"
A5	5-TSP #16	DRAIN	1"	1 1/4"	1"
A6	6-TSP #16	DRAIN	1 1/4"	1 1/4"	1 1/4"
A7	7-TSP #16	DRAIN	1 1/4"	1 1/4"	1 1/4"
A8	8-TSP #16	DRAIN	1 1/4"	1 1/2"	1 1/4"
A9	9-TSP #16	DRAIN	1 1/2"	1 1/2"	1 1/2"
A10	10-TSP #16	DRAIN	1 1/2"	2"	1 1/2"
A11	11-TSP #16	DRAIN	1 1/2"	2"	2"
A12	12-TSP #16	DRAIN	1 1/2"	2"	2"
A13	13-TSP #16	DRAIN	2"	2"	2"
A14	14-TSP #16	DRAIN	2"	2"	2"
A15	15-TSP #16	DRAIN	2"	2"	2"
A20	1-TST #16	DRAIN	3/4"	3/4"	3/4"
A21	2-TST #16	DRAIN	3/4"	1"	3/4"
A22	3-TST #16	DRAIN	1"	1"	1"
A23	4-TST #16	DRAIN	1"	1 1/4"	1"
A24	5-TST #16	DRAIN	1 1/4"	1 1/4"	1 1/4"
A25	6-TST #16	DRAIN	1 1/4"	1 1/4"	1 1/4"

CONDUCTOR AND CONDUIT SCHEDULE CONTROL CIRCUITS				
DWG MARK	CONDUCTOR	CONDUIT SIZE		
		METAL	PVC	FLEX
C1	1-#14	3/4"	3/4"	3/4"
C2	2-#14	3/4"	3/4"	3/4"
C3	3-#14	3/4"	3/4"	3/4"
C4	4-#14	3/4"	3/4"	3/4"
C5	5-#14	3/4"	3/4"	3/4"
C6	6-#14	3/4"	3/4"	3/4"
C7	7-#14	3/4"	3/4"	3/4"
C8	8-#14	3/4"	3/4"	3/4"
C9	9-#14	3/4"	3/4"	3/4"
C10	10-#14	3/4"	3/4"	3/4"
C11	11-#14	3/4"	3/4"	3/4"
C12	12-#14	3/4"	1"	3/4"
C13	13-#14	3/4"	1"	3/4"
C14	14-#14	3/4"	1"	3/4"
C15	15-#14	3/4"	1"	3/4"
C16	16-#14	1"	1"	1"
C17	17-#14	1"	1"	1"
C18	18-#14	1"	1"	1"
C19	19-#14	1"	1"	1"
C20	20-#14	1"	1 1/4"	1"
C21	21-#14	1"	1 1/4"	1"
C22	22-#14	1"	1 1/4"	1"
C23	23-#14	1"	1 1/4"	1"
C24	24-#14	1"	1 1/4"	1"
C25	25-#14	1"	1 1/4"	1"
C26	26-#14	1 1/4"	1 1/4"	1 1/4"
C27	27-#14	1 1/4"	1 1/4"	1 1/4"
C28	28-#14	1 1/4"	1 1/4"	1 1/4"
C29	29-#14	1 1/4"	1 1/4"	1 1/4"
C30	30-#14	1 1/4"	1 1/4"	1 1/4"
C31	31-#14	1 1/4"	1 1/4"	1 1/4"
C32	32-#14	1 1/4"	1 1/4"	1 1/4"
C33	33-#14	1 1/4"	1 1/4"	1 1/4"
C34	34-#14	1 1/4"	1 1/4"	1 1/4"
C35	35-#14	1 1/4"	1 1/4"	1 1/4"
C36	36-#14	1 1/4"	1 1/2"	1 1/4"
C37	37-#14	1 1/4"	1 1/2"	1 1/4"
C38	38-#14	1 1/4"	1 1/2"	1 1/4"
C39	39-#14	1 1/4"	1 1/2"	1 1/4"
C40	40-#14	1 1/4"	1 1/2"	1 1/4"
C41	41-#14	1 1/4"	1 1/2"	1 1/4"
C42	42-#14	1 1/4"	1 1/2"	1 1/4"
C43	43-#14	1 1/4"	1 1/2"	1 1/4"
C44	44-#14	1 1/2"	1 1/2"	1 1/2"
C45	45-#14	1 1/2"	1 1/2"	1 1/2"
C46	46-#14	1 1/2"	1 1/2"	1 1/2"
C47	47-#14	1 1/2"	1 1/2"	1 1/2"
C48	48-#14	1 1/2"	1 1/2"	1 1/2"
C49	49-#14	1 1/2"	2"	1 1/2"
C50	50-#14	1 1/2"	2"	1 1/2"
C51	51-#14	1 1/2"	2"	1 1/2"
C52	52-#14	1 1/2"	2"	1 1/2"
C53	53-#14	1 1/2"	2"	1 1/2"
C54	54-#14	1 1/2"	2"	1 1/2"
C55	55-#14	1 1/2"	2"	1 1/2"
C56	56-#14	1 1/2"	2"	1 1/2"
C57	57-#14	1 1/2"	2"	2"
C58	58-#14	1 1/2"	2"	2"
C59	59-#14	1 1/2"	2"	2"
C64	64-#14	2"	2"	2"
G	1-#14 GROUND CONDUCTOR WITH CONTROL CONDUCTORS			

CONDUCTOR AND CONDUIT SCHEDULE POWER CIRCUITS					
DWG MARK	CONDUCTOR	GROUND	CONDUIT SIZE		
			METAL	PVC	FLEX
P1	2-#12	1-#12	3/4"	3/4"	3/4"
P2	3-#12	1-#12	3/4"	3/4"	3/4"
P3	4-#12	2-#12	3/4"	3/4"	3/4"
P4	2-#10	1-#10	3/4"	3/4"	3/4"
P5	2-#10	-	3/4"	3/4"	3/4"
P10	1-2/C W/G #12		3/4"	3/4"	3/4"
P11	1-3/C W/G #12		3/4"	1"	3/4"
P12	1-4/C W/G #12		3/4"	1"	3/4"
P13	2-3/C W/G #12		1"	1 1/4"	1"

GENERAL NOTES:

A. ALL SCHEDULED MARK NO.'S MAY NOT BE USED ON THIS PROJECT.

B. C2 P1 — CONTROL CONDUCTORS IN SAME CONDUIT AS POWER CONDUCTORS.

C. C2 / P1 — CONTROL CONDUCTORS ARE SEPARATE CONDUIT FROM POWER CONDUCTORS.

D. P1 — TYPE 'T' CONDUIT BODY OR OUTLET BOX PER SPECIFICATIONS; CUBIC INCH VOLUME PER NEC; POWER CONDUCTORS CAN BE SPLICED; CONTROL CONDUCTORS AND INSTRUMENTATION CABLES SHALL BE UNSPLICED.

E. C2 G — GROUND CONDUCTOR IN SAME CONDUIT AS CONTROL CONDUCTORS.

F. M11 M30 2" — MULTIPLE MULTICONDUCTOR CABLES IN SAME CONDUIT. REQUIRED CONDUIT SIZE INDICATED.

G. J — JUNCTION BOX, SIZED PER NEC AND TYPE PER SPECIFICATIONS. USE TERMINAL BLOCKS FOR SPLICES IN CONTROL JUNCTION BOXES. INSTRUMENTATION JUNCTION BOXES SHALL BE USED AS PULL BOXES AND CABLES SHALL NOT BE SPLICED.

DRAFT

This document was originally issued and sealed by Kevin K. Thernes, Registration No. PE-9499, on 08/25/14 and the original document is stored at CH2M Hill Engineering, Inc., Fargo, N.D.

HMG HOUSTON - MOORE GROUP

2ND STREET/DOWNTOWN - IN-TOWN LEVEES
2ND STREET N PUMP STATION
FARGO, NORTH DAKOTA
WORK PACKAGE 42A.2
INSTRUMENTATION AND CONTROL BLOCK DIAGRAM_CPR1

DATE:	10/9/2014
REVISED:	4/6/2016
REVISED:	
REVISED:	
RECORD:	
FILE NAME:	E102.DWG
PROJECT No.	228474-164
DRAWN BY:	KLG
CHECKED BY:	KKT
PROJ. MANAGER:	KTD
PROJ. ENGINEER:	KLG

E102

Your Logo Here

CHANGE ORDER REQUEST

Industrial Builders, Inc.
14321- - WP42A.2 - Metro Flood/2nd St. Pump Station

DATE: 5/12/2016
PCO#: 20

To:	Tyler Smith CH2M Hill Engineer's Inc 657 2nd Ave N Fargo, ND 58105-5405	**From:**	David Goulet Industrial Builders, Inc. PO Box 406 Fargo, ND 58107-0406
Phone:	701-566-5470	**Phone:**	701-356-9827
Fax:		**Fax:**	
Email:	tyler.smith@ch2m.com	**Email:**	dgoulet@industrialbuilders.com
CC:			

- PCO: **Additional Exterior Lights**
    - Proposed Scope of Work: Labor and material to furnish exterior lights per owners change proposal request dated 5/4/2016.
- The prices below are valid until 5/27/2016

PCO Item	Status	Change (in Days)	Quantity	UM	Unit Price	Amount
1 : Additional Exterior Lights	Initiated		1.000	L S	1870.32	1,870.32

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Submitted By:

5/12/2016
David Goulet Date

Approved By:

Tyler Smith Date
CH2M Hill Engineer's Inc

Technical Advisory Group Recommendation

Meeting Date: 5/24/2016

RECOMMENDATION FOR ACTION:

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

SUMMARY OF CONTRACTING ACTION:

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

List description of Contract Action(s):

Description	Budget Estimate ($)
WP-42F.1S: Industrial Builders Inc.	
Change Order #7	***16,378.55***

- **WP-42F.1S, 2nd Street North (South of Pump Station) – Tee Manhole Addition, SS-10 Manhole Revision**

Summary of Contracting History and Current Contract Action:

Original Agreement or Amendment	Budget ($) Change	Original Project Cost	Revised Project Cost	Project Start	Project Completion	Comments
Original Contract	$0.00	$16,184,905.85	$16,184,905.85	08-Oct-15	15-Jun-17	Contract Award recommended to lowest responsive bidder, Industrial Builders, Inc.
Change Order No. 1	$0.00	$16,184,905.85	$16,184,905.85	08-Oct-15	15-Jul-17	Adds 30 days to the Contract Time, revises Interim Milestone A work items, and adds an option for descoping a portion of the Work
Change Order No. 2	$169,490.20	$16,184,905.85	$16,354,396.05	08-Oct-15	15-Jul-17	Incorporates Work revisions to allow work around utility lines
Change Order No. 3	$96,806.17	$16,354,396.05	$16,451,202.22	08-Oct-15	15-Jul-17	Water main, traffic poles, traffic control plan, Milestone A scope
Change Order No. 4	$6,985.96	$16,451,202.22	$16,458,188.18	08-Oct-15	15-Jul-17	Bridge Lighting, concrete disposal, winter traffic control, extend 4th St signal mods requirement
Change Order No. 5	$68,743.01	$16,458,188.18	$16,526,931.19	08-Oct-15	15-Jul-17	Concrete grading within pump station, Unit price change, additional H Pile, bridge abutment seal, traffic signals, bridge abutment concrete disposal and floodwall connections.
Change Order No. 6	89,243.21	16,526,931.19	16,616,174.40	08-Oct-15	15-Jul-17	10 Feet of additional flood wall, incentive and disincentive changes to the Agreement.
Change Order No. 7	16,378.55	16,616,174.40	16,632,552.95	08-Oct-15	25-Jul-17	Tee Manhole Addition, SS-10 Manhole Revision

DISCUSSION

1. Change Order No. 7 modifies multiple scope elements to total an increase of $16,378.55 and 7 working days of time to the Contract Price. The Change Order consists of the following items:

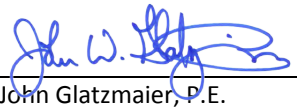
    a. **Tee Manhole Addition** – After project award it was discovered that the United Automotive sign has a larger than expected footing. This footing overlaps with the project area and prevents installation of the storm sewer pipe between structures ST-9.1 and ST-9.2. The City of Fargo attempted negotiations with United Automotive to remove the sign; however the City Commission decided to make a change to the F.1S contract to accommodate the United Automotive sign. The Contractor requested $13,549.70 and 7 working days of time added to the substantial completion, final completion and 70/150 day disincentive periods. CH2M and HMG have reviewed this request and find it acceptable.

    b. **SS-10 Manhole Revision** – The Owner requested modifications be made to the sanitary sewer structure SS-10 manhole to accommodate a future adjacent City of Fargo project to occur on 2nd St North. This modification was not known to the Contractor at the time of bidding. The cost for this change includes labor and materials associated with modifying the sanitary sewer structure. HMG reviewed this cost and finds it acceptable. The total cost of this change is $2,828.85.

ATTACHMENT(S):

1. Draft Change Order No. 7
2. Contractor's Change Proposal Dated 5/13/2016 (Tee Manhole, SS-10)

Submitted by:



May 24, 2016

John Glatzmaier, P.E.
CH2M
Project Manager
Metro Flood Diversion Project

Date

Keith Berndt, Cass County Administrator
Concur: May 24, 2016 *Non-Concur:* _____

April Walker, Fargo City Engineer
Concur: May 24, 2016 *Non-Concur* _____

Mark Bittner, Fargo Director of Engineering
Concur: May 24, 2016 *Non-Concur:* _____

Jason Benson, Cass County Engineer
Concur: May 24, 2016 *Non-Concur* _____

David Overbo, Clay County Engineer
Concur: _____ *Non-Concur:* _____

Robert Zimmerman, Moorhead City Engineer
Concur: May 24, 2016 *Non-Concur* _____

Nathan Boerboom, Diversion Authority Project Manager
Concur: May 24, 2016 *Non-Concur:* _____

Change Order No. 07

Date of Issuance:	5/26/2016	Effective Date:	5/26/2016
Owner:	Metro Flood Diversion Authority	Owner's Contract No.:	WP-42F.1S
Owner's Representative:	CH2M HILL Engineers, Inc.	Owner's Representative Project No.:	435534
Contractor:	Industrial Builders, Inc.	Contractor's Project No.:	
Engineer:	Houston-Moore Group, LLC	Work Package No.:	WP-42F.1S
Project:	Fargo-Moorhead Area Diversion	Contract Name:	Flood Control, 2nd Street North, South of Pump Station

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

Description:

1. TEE-MANHOLE ADDITION
    - *a.* Replace drawing C-055-2 in its entirety with the attached revised C-055-2 dated 5/26/16. This drawing update is only reflected in C-055-2; all other drawing updates will be captured in project red-lines.
    - *b.* Increase contract price to accommodate the addition of a tee-manhole by adding bid item *0231 Tee Manhole Addition* as shown in the attached Change Order 7 Unit Price Schedule Dated 5/26/16.
    - *c.* Adjust Substantial and Final Completion by 7 working days as shown in the Change In Contract Times section below. This change item also increases period of time for the 150 day and 70 day disincentive periods by 7 working days but does not increase the incentive period.
2. SS-10 MANHOLE REVISION
    - a. Replace plan drawing C-055-15 in its entirety with the attached revised C-055-14 plan drawing dated 5/26/16. This drawing update is only reflected on C-055-14; updates to all other drawings will be captured in project red-lines.
    - *b.* Increase contract price to accommodate the Owner requested change to revise and move SS-10 by adding bid item *0232 SS-10 Manhole Revision* as shown in the attached Change Order 7 Unit Price Schedule Dated 5/26/16.

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Attachments:

Contractor Change Proposal Dated 5/13/2016
Drawing C-055-2 (Tee Manhole Addition)
Drawing C-055-14 (SS-10 Manhole Revision)

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES *[note changes in Milestones if applicable]*
Original Contract Price: **16,184,905.85**	Original Contract Times: Interim Milestone A: November 30, 2015 Substantial Completion: October 1, 2016 Ready for Final Payment: June 15, 2017
[Increase] [~~Decrease~~] from previously approved Change Orders No. 01 thru 06: **431,268.55**	[Increase] [~~Decrease~~] from previously approved Change Orders No. 01: Interim Milestone A: 30 days Substantial Completion: 30 days Ready for Final Payment: 30 days
Contract Price prior to this Change Order: **16,616,174.40**	Contract Times prior to this Change Order: Interim Milestone A: December 30, 2015 Substantial Completion: November 15, 2016 Ready for Final Payment: July 15, 2017
[Increase] [~~Decrease~~] of this Change Order: **16,378.55**	[Increase] [~~Decrease~~] of this Change Order: 7 Working Days
Contract Price incorporating this Change Order: **16,632,552.95**	Contract Times with all approved Change Orders: Interim Milestone A: December 30, 2015 Substantial Completion: November 24, 2016 Ready for Final Payment: July 25, 2017

RECOMMENDED:	ACCEPTED:	ACCEPTED:
By: _____	By: _____	By: _____
Owner's Representative (Authorized Signature)	Owner (Authorized Signature)	Contractor (Authorized Signature)
Name: Tyler Smith, P.E.	Name: Darrell Vanyo	Name: David Goulet
Title: Construction Manager	Title: Chairman	Title: Project Manager
Date:	Date:	Date:

DRAFT

WP-42F.1S
2nd Street/Downtown Area - In-Town Levees

Change Order 7 Unit Price Schedule
DATE: 5/26/2016

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 07)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0001	Remove Sanitary Manhole	EA	15	2,000.00	$ 30,000.00			$ -	15	2,000.00	$ 30,000.00	
0002	Remove Sanitary Lift Station	LS	1	23,000.00	$ 23,000.00			$ -	1	23,000.00	$ 23,000.00	
0003	Remove 10x10 Clay Filled Regulator Pit	EA	1	16,000.00	$ 16,000.00			$ -	1	16,000.00	$ 16,000.00	
0004	Remove 12x10 Sanitary Junction Vault	EA	1	14,000.00	$ 14,000.00			$ -	1	14,000.00	$ 14,000.00	
0005	F&I Sanitary Manhole 4' Dia Reinf Conc	EA	12	5,800.00	$ 69,600.00			$ -	12	5,800.00	$ 69,600.00	
0006	F&I Sanitary Manhole w/Ext Drop 4' Dia Reinf Conc	EA	3	7,100.00	$ 21,300.00			$ -	3	7,100.00	$ 21,300.00	
0007	F&I Sanitary Manhole SS-1	EA	1	27,000.00	$ 27,000.00			$ -	1	27,000.00	$ 27,000.00	
0008	F&I Sanitary Manhole SS-8	EA	1	18,000.00	$ 18,000.00			$ -	1	18,000.00	$ 18,000.00	
0009	F&I Sanitary Manhole Type E Reinf Conc	EA	3	25,500.00	$ 76,500.00			$ -	3	25,500.00	$ 76,500.00	
0010	F&I 2-Way Cleanout	EA	1	3,000.00	$ 3,000.00			$ -	1	3,000.00	$ 3,000.00	
0011	F&I Casting - Floating Manhole	EA	1	1,800.00	$ 1,800.00			$ -	1	1,800.00	$ 1,800.00	
0012	Connect Sanitary Pipe to Exist Pipe	EA	1	2,500.00	$ 2,500.00			$ -	1	2,500.00	$ 2,500.00	
0013	F&I Insulation 2" Thick	SY	425	20.00	$ 8,500.00			$ -	425	20.00	$ 8,500.00	
0014	F&I Sanitary Pipe Sch 40 - 4" Dia PVC	LF	21	200.00	$ 4,200.00			$ -	21	200.00	$ 4,200.00	
0015	F&I Sanitary Pipe SDR 26 - 6" Dia PVC	LF	42	120.00	$ 5,040.00			$ -	42	120.00	$ 5,040.00	
0016	F&I Sanitary Pipe SDR 26 - 12" Dia PVC	LF	185	206.00	$ 38,110.00			$ -	185	206.00	$ 38,110.00	
0017	F&I Sanitary Pipe SDR 26 - 18" Dia PVC	LF	157	180.00	$ 28,260.00			$ -	157	180.00	$ 28,260.00	
0018	F&I Sanitary Pipe SDR 26 - 36" Dia PVC	LF	38	350.00	$ 13,300.00			$ -	38	350.00	$ 13,300.00	
0019	F&I Sanitary Pipe w/GB Sch 40 - 4" Dia PVC	LF	38	275.00	$ 10,450.00			$ -	38	275.00	$ 10,450.00	
0020	F&I Sanitary Pipe w/GB SDR 26 - 6" Dia PVC	LF	82	261.00	$ 21,402.00			$ -	82	261.00	$ 21,402.00	
0021	F&I Sanitary Pipe w/GB SDR 26 - 12" Dia PVC	LF	865	470.00	$ 406,550.00			$ -	865	470.00	$ 406,550.00	
0022	F&I Sanitary Pipe w/GB SDR 35 - 12" Dia PVC	LF	49	300.00	$ 14,700.00			$ -	49	300.00	$ 14,700.00	

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WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 07)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0023	F&I Sanitary Pipe w/GB SDR 26 - 15" Dia PVC	LF	95	290.00	$ 27,550.00			$ -	95	290.00	$ 27,550.00	
0024	F&I Sanitary Pipe w/GB SDR 35 - 15" Dia PVC	LF	6	415.00	$ 2,490.00			$ -	6	415.00	$ 2,490.00	
0025	F&I Sanitary Pipe w/GB SDR 26 - 18" Dia PVC	LF	529	420.00	$ 222,180.00			$ -	529	420.00	$ 222,180.00	
0026	F&I Sanitary Pipe w/GB SDR 26 - 36" Dia PVC	LF	30	810.00	$ 24,300.00			$ -	30	810.00	$ 24,300.00	
0027	F&I DI Fittings-Sanitary Force Main	LB	11965	7.00	$ 83,755.00			$ -	11965	7.00	$ 83,755.00	
0028	F&I Sanitary Valve 8" Dia-Plug Valve	EA	1	4,300.00	$ 4,300.00			$ -	1	4,300.00	$ 4,300.00	
0029	F&I Sanitary Valve 16" Dia-Plug Valve	EA	1	9,000.00	$ 9,000.00			$ -	1	9,000.00	$ 9,000.00	
0030	F&I Sanitary Valve 24" Dia-Plug Valve	EA	1	27,000.00	$ 27,000.00			$ -	1	27,000.00	$ 27,000.00	
0031	F&I Sanitary Valve 30" Dia-Plug Valve	EA	1	41,000.00	$ 41,000.00			$ -	1	41,000.00	$ 41,000.00	
0032	F&I Pipe w/GB Class 53-8" Dia DIP (Protecto 401)	LF	10	355.00	$ 3,550.00			$ -	10	355.00	$ 3,550.00	
0033	F&I Sanitary Pipe w/GB DR 25 - 16" Dia PVC	LF	310	330.00	$ 102,300.00			$ -	310	330.00	$ 102,300.00	
0034	F&I Sanitary Pipe w/GB DR 25 - 24" Dia PVC	LF	125	500.00	$ 62,500.00			$ -	125	500.00	$ 62,500.00	
0035	F&I Sanitary Pipe w/GB DR 25 - 30" Dia PVC	LF	795	400.00	$ 318,000.00			$ -	795	400.00	$ 318,000.00	
0036	Remove Sanitary Pipe All Sizes All Types	LF	2249	$ 15.00	$ 33,735.00			$ -	2249	$ 15.00	$ 33,735.00	
0037	Plug Sanitary Pipe 10" Diameter	EA	3	$ 1,150.00	$ 3,450.00			$ -	3	$ 1,150.00	$ 3,450.00	
0038	Plug Sanitary Pipe 12" Diameter	EA	6	$ 1,270.00	$ 7,620.00			$ -	6	$ 1,270.00	$ 7,620.00	
0039	Plug Sanitary Pipe 16" Diameter	EA	1	$ 1,465.00	$ 1,465.00			$ -	1	$ 1,465.00	$ 1,465.00	
0040	Plug Sanitary Pipe 18" Diameter	EA	3	$ 1,660.00	$ 4,980.00			$ -	3	$ 1,660.00	$ 4,980.00	
0041	Abandon Sanitary Manhole	EA	1	$ 2,000.00	$ 2,000.00			$ -	1	$ 2,000.00	$ 2,000.00	
0042	F&I Emergency Overflow Manhole Equipment	LS	1	$ 15,200.00	$ 15,200.00			$ -	1	$ 15,200.00	$ 15,200.00	
0043	F&I 5" Hydrant	EA	5	$ 4,600.00	$ 23,000.00			$ -	5	$ 4,600.00	$ 23,000.00	
0044	Remove Hydrant	EA	4	$ 1,000.00	$ 4,000.00			$ -	4	$ 1,000.00	$ 4,000.00	
0045	F&I Insulation 4" Thick	SY	10	$ 72.00	$ 720.00			$ -	10	$ 72.00	$ 720.00	
0046	Connect Water Service	EA	2	$ 900.00	$ 1,800.00			$ -	2	$ 900.00	$ 1,800.00	
0047	F&I Watermain Pipe C900 DR 18 - 4" Dia PVC	LF	21	$ 70.00	$ 1,470.00			$ -	21	$ 70.00	$ 1,470.00	
0048	F&I Watermain Pipe C900 DR 18 - 6" Dia PVC	LF	95	$ 55.00	$ 5,225.00			$ -	95	$ 55.00	$ 5,225.00	

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WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 07)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0049	F&I Watermain Pipe C900 DR 18 - 8" Dia PVC	LF	193	$ 44.00	$ 8,492.00			$ -	193	$ 44.00	$ 8,492.00	
0050	F&I Watermain Pipe w/GB C900 DR 18 - 6" Dia PVC	LF	22	$ 183.00	$ 4,026.00			$ -	22	$ 183.00	$ 4,026.00	
0051	F&I Watermain Pipe w/GB C900 DR 18 - 8" Dia PVC	LF	333	$ 185.00	$ 61,605.00			$ -	333	$ 185.00	$ 61,605.00	
0052	F&I Gate Valve 4" Dia	EA	1	$ 1,350.00	$ 1,350.00			$ -	1	$ 1,350.00	$ 1,350.00	
0053	F&I Gate Valve 6" Dia	EA	10	$ 1,750.00	$ 17,500.00			$ -	10	$ 1,750.00	$ 17,500.00	
0054	F&I Gate Valve 8" Dia	EA	1	$ 2,370.00	$ 2,370.00			$ -	1	$ 2,370.00	$ 2,370.00	
0055	F&I Watermain Pipe 1" Dia Copper	LF	39	$ 75.00	$ 2,925.00			$ -	39	$ 75.00	$ 2,925.00	
0056	F&I Watermain Pipe w/GB 1" Dia Copper	LF	84	$ 180.00	$ 15,120.00			$ -	84	$ 180.00	$ 15,120.00	
0057	Remove Watermain Pipe All Sizes All Types	LF	1765	$ 17.00	$ 30,005.00			$ -	1765	$ 17.00	$ 30,005.00	
0058	Temporary Water Service (Howard Johnson Hotel)	LS	1	$ 28,000.00	$ 28,000.00			$ -	1	$ 28,000.00	$ 28,000.00	
0059	Plug Watermain Pipe 6" Dia	EA	4	$ 900.00	$ 3,600.00			$ -	4	$ 900.00	$ 3,600.00	
0060	F&I Watermain Fittings Ductile Iron	LBS	6550	$ 8.51	$ 55,740.50			$ -	6550	$ 8.51	$ 55,740.50	
0061	F&I Storm Manhole 4' Dia Reinf Conc	EA	5	$ 2,675.00	$ 13,375.00			$ -	5	$ 2,675.00	$ 13,375.00	
0062	F&I Storm Manhole 7' Dia Reinf Conc	EA	3	$ 15,300.00	$ 45,900.00			$ -	3	$ 15,300.00	$ 45,900.00	
0063	F&I Storm Manhole 8.1	EA	1	$ 22,000.00	$ 22,000.00			$ -	1	$ 22,000.00	$ 22,000.00	
0064	F&I Storm Manhole 8' Dia Reinf Conc	EA	3	$ 16,700.00	$ 50,100.00			$ -	3	$ 16,700.00	$ 50,100.00	
0065	F&I Storm Manhole Type E Reinf Conc	EA	8	$ 54,000.00	$ 432,000.00			$ -	8	$ 54,000.00	$ 432,000.00	
0066	F&I Storm Manhole ST-2 Special Manhole	EA	1	$ 2,465.00	$ 2,465.00			$ -	1	$ 2,465.00	$ 2,465.00	
0067	F&I Inlet - Manhole (MHI) 4' Dia Reinf Conc	EA	4	$ 2,365.00	$ 9,460.00			$ -	4	$ 2,365.00	$ 9,460.00	
0068	F&I Inlet - Manhole (MHI) 6' Dia Reinf Conc	EA	1	$ 4,000.00	$ 4,000.00			$ -	1	$ 4,000.00	$ 4,000.00	
0069	Raise Storm Sewer Structure	EA	2	$ 3,530.00	$ 7,060.00			$ -	2	$ 3,530.00	$ 7,060.00	
0070	F&I Inlet - Single Box (SBI) Reinf Conc	EA	9	$ 2,000.00	$ 18,000.00			$ -	9	$ 2,000.00	$ 18,000.00	
0071	F&I Inlet - Triple Box Reinf Conc	EA	2	$ 5,900.00	$ 11,800.00			$ -	2	$ 5,900.00	$ 11,800.00	
0072	F&I Inlet - Bridge Drain	EA	1	$ 5,500.00	$ 5,500.00			$ -	1	$ 5,500.00	$ 5,500.00	
0073	F&I Storm Manhole Type E Crossing Chamber	EA	1	$ 11,000.00	$ 11,000.00			$ -	1	$ 11,000.00	$ 11,000.00	
0074	Connect Storm Pipe to Exist Structure	EA	2	$ 17,000.00	$ 34,000.00			$ -	2	$ 17,000.00	$ 34,000.00	

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WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 07)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0075	Connect Storm Pipe to Exist Pipe	EA	1	$ 4,000.00	$ 4,000.00			$ -	1	$ 4,000.00	$ 4,000.00	
0076	Remove Storm Manhole	EA	8	$ 900.00	$ 7,200.00			$ -	8	$ 900.00	$ 7,200.00	
0077	Remove Storm Inlet	EA	22	$ 1,200.00	$ 26,400.00			$ -	22	$ 1,200.00	$ 26,400.00	
0078	Remove Existing Storm Lift Station	LS	1	$ 48,000.00	$ 48,000.00			$ -	1	$ 48,000.00	$ 48,000.00	
0079	Riprap (Outlet)	CY	695	$ 180.00	$ 125,100.00			$ -	695	$ 180.00	$ 125,100.00	
0080	Remove Storm Pipe All Sizes All Types	LF	2283	$ 17.00	$ 38,811.00			$ -	2283	$ 17.00	$ 38,811.00	
0081	F&I Flared End Section 12" Dia Corr Steel	EA	1	$ 272.00	$ 272.00			$ -	1	$ 272.00	$ 272.00	
0082	Box Culvert End Section with Grate	EA	1	$ 160,000.00	$ 160,000.00			$ -	1	$ 160,000.00	$ 160,000.00	
0083	Plug Storm Pipe 4" thru 12" Dia	EA	2	$ 1,600.00	$ 3,200.00			$ -	2	$ 1,600.00	$ 3,200.00	
0084	Plug Storm Pipe 14" thru 24" Dia	EA	1	$ 1,980.00	$ 1,980.00			$ -	1	$ 1,980.00	$ 1,980.00	
0085	Plug Storm Pipe 42" thru 54" Dia	EA	2	$ 3,000.00	$ 6,000.00			$ -	2	$ 3,000.00	$ 6,000.00	
0086	F&I Storm Pipe 12" Dia Reinf Conc	LF	25	$ 64.00	$ 1,600.00			$ -	25	$ 64.00	$ 1,600.00	
0087	F&I Storm Pipe 15" Dia Reinf Conc	LF	49	$ 64.00	$ 3,136.00			$ -	49	$ 64.00	$ 3,136.00	
0088	F&I Storm Pipe 18" Dia Reinf Conc	LF	182	$ 66.00	$ 12,012.00			$ -	182	$ 66.00	$ 12,012.00	
0089	F&I Storm Pipe 24" Dia Reinf Conc	LF	70	$ 77.00	$ 5,390.00			$ -	70	$ 77.00	$ 5,390.00	
0090	F&I Storm Pipe 48" Dia Reinf Conc	LF	47	$ 177.00	$ 8,319.00			$ -	47	$ 177.00	$ 8,319.00	
0091	F&I Storm Pipe 54" Dia Reinf Conc	LF	22	$ 222.00	$ 4,884.00			$ -	22	$ 222.00	$ 4,884.00	
0092	F&I Storm Box Culvert 6'x6' Wide Reinf Conc Cast In Place	LF	100	$ 2,400.00	$ 240,000.00			$ -	100	$ 2,400.00	$ 240,000.00	
0093	F&I Storm Pipe 12" Dia PVC	LF	223	$ 60.00	$ 13,380.00			$ -	223	$ 60.00	$ 13,380.00	
0094	F&I Storm Pipe w/GB 12" Dia Reinf Conc	LF	42	$ 190.00	$ 7,980.00			$ -	42	$ 190.00	$ 7,980.00	
0095	F&I Storm Pipe w/GB 15" Dia Reinf Conc	LF	123	$ 190.00	$ 23,370.00			$ -	123	$ 190.00	$ 23,370.00	
0096	F&I Storm Pipe w/GB 18" Dia Reinf Conc	LF	167	$ 192.00	$ 32,064.00			$ -	167	$ 192.00	$ 32,064.00	
0097	F&I Storm Pipe w/GB 24" Dia Reinf Conc	LF	424	$ 204.00	$ 86,496.00			$ -	424	$ 204.00	$ 86,496.00	
0098	F&I Storm Pipe w/GB 48" Dia Reinf Conc	LF	155	$ 575.00	$ 89,125.00			$ -	155	$ 575.00	$ 89,125.00	
0099	F&I Storm Pipe w/GB 54" Dia Reinf Conc	LF	598	$ 710.00	$ 424,580.00			$ -	598	$ 710.00	$ 424,580.00	
0100	F&I Storm Pipe w/GB 60" Dia Reinf Conc	LF	10	$ 785.00	$ 7,850.00			$ -	10	$ 785.00	$ 7,850.00	

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WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees												
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			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0101	F&I Storm Box Culvert w/GB 6'x6' Wide Reinf Conc Precast	LF	658	$ 1,440.00	$ 947,520.00			$ -	658	$ 1,440.00	$ 947,520.00	
0102	Remove Pavement All Thicknesses All Types	SY	24159	$ 5.00	$ 120,795.00			$ -	24159	$ 5.00	$ 120,795.00	
0103	Remove Sidewalk All Thicknesses All Types	SY	5375	$ 4.00	$ 21,500.00			$ -	5375	$ 4.00	$ 21,500.00	
0104	Excavation (Roadway)	CY	906	$ 4.00	$ 3,624.00			$ -	906	$ 4.00	$ 3,624.00	
0105	Fill - Import (Roadway)	CY	3910	$ 15.00	$ 58,650.00			$ -	3910	$ 15.00	$ 58,650.00	
0106	Subgrade Preparation	SY	12740	$ 0.70	$ 8,918.00			$ -	12740	$ 0.70	$ 8,918.00	
0107	F&I Woven Geotextile	SY	12740	$ 2.00	$ 25,480.00			$ -	12740	$ 2.00	$ 25,480.00	
0108	F&I Class 5 Agg - 6" Thick	SY	2521	$ 10.00	$ 25,210.00			$ -	2521	$ 10.00	$ 25,210.00	
0109	F&I Class 5 Agg - 8" Thick	SY	1593	$ 11.00	$ 17,523.00			$ -	1593	$ 11.00	$ 17,523.00	
0110	F&I Class 5 Agg - 12" Thick	SY	8626	$ 14.00	$ 120,764.00			$ -	8626	$ 14.00	$ 120,764.00	
0111	F&I Edge Drain 4" Dia PVC	LF	3571	$ 11.00	$ 39,281.00			$ -	3571	$ 11.00	$ 39,281.00	
0112	F&I Curb & Gutter Standard (Type II)	LF	3888	$ 36.00	$ 139,968.00			$ -	3888	$ 36.00	$ 139,968.00	
0113	Remove Curb & Gutter	LF	4528	$ 5.00	$ 22,640.00			$ -	4528	$ 5.00	$ 22,640.00	
0114	F&I Pavement 9" Thick Doweled Conc	SY	7490	$ 98.00	$ 734,020.00			$ -	7490	$ 98.00	$ 734,020.00	
0115	F&I Crushed Conc - 6" Thick	SY	1063	$ 12.00	$ 12,756.00			$ -	1063	$ 12.00	$ 12,756.00	
0116	F&I Aggregate for Asph Pavement FAA 43	TON	1386	$ 83.00	$ 115,038.00			$ -	1386	$ 83.00	$ 115,038.00	
0117	F&I Asphalt Cement PG 58-28	GAL	11644	$ 2.50	$ 29,110.00			$ -	11644	$ 2.50	$ 29,110.00	
0118	F&I Asphalt Cement PG 58-34	GAL	8296	$ 3.00	$ 24,888.00			$ -	8296	$ 3.00	$ 24,888.00	
0119	F&I Median Nose - Conc	SY	23	$ 112.00	$ 2,576.00			$ -	23	$ 112.00	$ 2,576.00	
0120	F&I Sidewalk 4" Thick Reinf Conc	SY	3260	$ 73.00	$ 237,980.00			$ -	3260	$ 73.00	$ 237,980.00	
0121	F&I Sidewalk 6" Thick Reinf Conc	SY	2765	$ 85.00	$ 235,025.00			$ -	2765	$ 85.00	$ 235,025.00	
0122	Temp Construction Entrance	EA	4	$ 3,500.00	$ 14,000.00			$ -	4	$ 3,500.00	$ 14,000.00	
0123	F&I Impressioned 4" Thick Reinf Conc	SY	659	$ 230.00	$ 151,570.00			$ -	659	$ 230.00	$ 151,570.00	
0124	F&I Driveway 6" Thick Reinf Conc	SY	197	$ 85.00	$ 16,745.00			$ -	197	$ 85.00	$ 16,745.00	
0125	F&I Det Warn Panels Cast Iron	SF	316	$ 62.00	$ 19,592.00			$ -	316	$ 62.00	$ 19,592.00	
0126	F&I Sign Assembly	EA	26	$ 260.00	$ 6,760.00			$ -	26	$ 260.00	$ 6,760.00	

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WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 07)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0127	F&I Engineering Grade	SF	47	$ 32.00	$ 1,491.20			$ -	47	$ 32.00	$ 1,491.20	
0128	F&I Diamond Grade Cubed	SF	39	$ 80.00	$ 3,136.00			$ -	39	$ 80.00	$ 3,136.00	
0129	F&I High Intensity Prismatic	SF	49	$ 74.00	$ 3,648.20			$ -	49	$ 74.00	$ 3,648.20	
0130	F&I Flexible Delineator	EA	24	$ 80.00	$ 1,920.00			$ -	24	$ 80.00	$ 1,920.00	
0131	F&I Grooved Plastic Film Message	SF	352	$ 31.50	$ 11,088.00			$ -	352	$ 31.50	$ 11,088.00	
0132	F&I Grooved Plastic Film 4" Wide	LF	5737	$ 5.20	$ 29,832.40			$ -	5737	$ 5.20	$ 29,832.40	
0133	F&I Grooved Plastic Film 8" Wide	LF	1219	$ 10.40	$ 12,677.60			$ -	1219	$ 10.40	$ 12,677.60	
0134	F&I Grooved Contrast Film 7" Wide	LF	744	$ 9.40	$ 6,993.60			$ -	744	$ 9.40	$ 6,993.60	
0135	Paint Epoxy Line 4" Wide	LF	786	$ 8.40	$ 6,602.40			$ -	786	$ 8.40	$ 6,602.40	
0136	F&I Methacrylate 6" Wide	LF	1040	$ 21.00	$ 21,840.00			$ -	1040	$ 21.00	$ 21,840.00	
0137	F&I Methacrylate 16" Wide	LF	264	$ 36.00	$ 9,504.00			$ -	264	$ 36.00	$ 9,504.00	
0138	F&I Methacrylate 24" Wide	LF	56	$ 53.00	$ 2,968.00			$ -	56	$ 53.00	$ 2,968.00	
0139	Traffic Control - Type 2	LS	1	$ 175,000.00	$ 175,000.00			$ -	1	$ 175,000.00	$ 175,000.00	
0140	Obliterate Pavement Markings	SF	18	$ 8.40	$ 151.20			$ -	18	$ 8.40	$ 151.20	
0141	4" Special Concrete 1	SY	318	$ 152.00	$ 48,336.00			$ -	318	$ 152.00	$ 48,336.00	
0142	4" Special Concrete 3	SY	48	$ 265.00	$ 12,720.00			$ -	48	$ 265.00	$ 12,720.00	
0143	6" Special Concrete 1	SY	536	$ 165.00	$ 88,440.00			$ -	536	$ 165.00	$ 88,440.00	
0144	6" Special Concrete 2	SY	172	$ 265.00	$ 45,580.00			$ -	172	$ 265.00	$ 45,580.00	
0145	Sloped Planter Edge	LF	309	$ 132.00	$ 40,788.00			$ -	309	$ 132.00	$ 40,788.00	
0146	Rolled Planter Edge	LF	198	$ 130.00	$ 25,740.00			$ -	198	$ 130.00	$ 25,740.00	
0147	Mobilization	LS	1	$ 744,700.00	$ 744,700.00			$ -	1	$ 744,700.00	$ 744,700.00	
0148	Temp Fence - Safety	LF	1929	$ 6.00	$ 11,574.00			$ -	1929	$ 6.00	$ 11,574.00	
0149	F&I Chain Link Fence	LF	1124	$ 16.00	$ 17,984.00			$ -	1124	$ 16.00	$ 17,984.00	
0150	F&I Construction Entrance Gate	EA	4	$ 600.00	$ 2,400.00			$ -	4	$ 600.00	$ 2,400.00	
0151	Temp Pumping	LS	1	$ 90,000.00	$ 90,000.00			$ -	1	$ 90,000.00	$ 90,000.00	
0152	Clear & Grub	LS	1	$ 5,000.00	$ 5,000.00			$ -	1	$ 5,000.00	$ 5,000.00	

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0153	Remove Tree	EA	113	$ 360.00	$ 40,680.00			$ -	113	$ 360.00	$ 40,680.00	
0154	Silt Fence - Standard	LF	1368	$ 2.70	$ 3,693.60			$ -	1368	$ 2.70	$ 3,693.60	
0155	Floating Silt Fence	LF	149	$ 27.00	$ 4,023.00			$ -	149	$ 27.00	$ 4,023.00	
0156	Sediment Control Log 10" to 15" Dia	LF	1748	$ 3.50	$ 6,118.00			$ -	1748	$ 3.50	$ 6,118.00	
0157	Inlet Protection - New Inlet	EA	17	$ 270.00	$ 4,590.00			$ -	17	$ 270.00	$ 4,590.00	
0158	Inlet Protection - Existing Inlet	EA	16	$ 160.00	$ 2,560.00			$ -	16	$ 160.00	$ 2,560.00	
0159	Install Tree Grate	EA	4	$ 2,625.00	$ 10,500.00			$ -	4	$ 2,625.00	$ 10,500.00	
0160	Structural Soil Including Drain Tile	LS	1	$ 25,000.00	$ 25,000.00			$ -	1	$ 25,000.00	$ 25,000.00	
0161	Topsoil Import - Special Including Drain Tile	LS	1	$ 22,000.00	$ 22,000.00			$ -	1	$ 22,000.00	$ 22,000.00	
0162	Gateway Monument	EA	2	$ 28,000.00	$ 56,000.00			$ -	2	$ 28,000.00	$ 56,000.00	
0163	15' Cast Stone Bench	EA	3	$ 9,000.00	$ 27,000.00			$ -	3	$ 9,000.00	$ 27,000.00	
0164	30' Cast Stone Bench	EA	2	$ 15,000.00	$ 30,000.00			$ -	2	$ 15,000.00	$ 30,000.00	
0165	Street Lighting	LS	1	$ 150,000.00	$ 150,000.00			$ -	1	$ 150,000.00	$ 150,000.00	
0166	Plaza Lighting	LS	1	$ 9,000.00	$ 9,000.00			$ -	1	$ 9,000.00	$ 9,000.00	
0167	Remove Fence with Brick Columns (Includes Case Plaza Sign)	LS	1	$ 5,000.00	$ 5,000.00			$ -	1	$ 5,000.00	$ 5,000.00	
0168	Remove and Salvage City of Fargo Sign/Remove Landscaping	LS	1	$ 2,000.00	$ 2,000.00			$ -	1	$ 2,000.00	$ 2,000.00	
0169	Remove Outfall Including Adjacent Concrete Structures	EA	2	$ 21,000.00	$ 42,000.00			$ -	2	$ 21,000.00	$ 42,000.00	
0170	Remove Crosswalk Pavement Markings and Signal from NP Avenue	LS	1	$ 2,000.00	$ 2,000.00			$ -	1	$ 2,000.00	$ 2,000.00	
0171	Remove and Salvage Parking Lot Concrete Stops	EA	120	$ 60.00	$ 7,200.00			$ -	120	$ 60.00	$ 7,200.00	
0172	Remove Landscaped Area (Howard Johnson Hotel)	LS	1	$ 6,500.00	$ 6,500.00			$ -	1	$ 6,500.00	$ 6,500.00	
0173	Remove Concrete Planter	EA	8	$ 80.00	$ 640.00			$ -	8	$ 80.00	$ 640.00	
0174	Remove Sidestreet Grill Sign	LS	1	$ 4,000.00	$ 4,000.00			$ -	1	$ 4,000.00	$ 4,000.00	
0175	Remove Building (Parking Lot Attendant Building)	LS	1	$ 5,000.00	$ 5,000.00			$ -	1	$ 5,000.00	$ 5,000.00	
0176	Remove and Salvage Traffic Signal Equipment - System "A" (2ND ST/4TH AVE N)	LS	1	$ 6,000.00	$ 6,000.00			$ -	1	$ 6,000.00	$ 6,000.00	
0177	Traffic Signal System "A" (2 ST / 1 AVE N)	LS	1	$ 260,000.00	$ 260,000.00			$ -	1	$ 260,000.00	$ 260,000.00	
0178	Traffic Signal System "B" (3 ST / 1 AVE N)	LS	1	$ 235,000.00	$ 235,000.00			$ -	1	$ 235,000.00	$ 235,000.00	

DRAFT

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 07)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0179	Modify Traffic Signal System "C" (2 ST / NP AVE)	LS	1	$ 105,000.00	$ 105,000.00			$ -	1	$ 105,000.00	$ 105,000.00	
0180	Modify Traffic Signal System "D" (4 ST / 2 AVE N)	LS	1	$ 36,000.00	$ 36,000.00			$ -	1	$ 36,000.00	$ 36,000.00	
0181	Modify Traffic Signal System "E" (4 ST / 3 AVE N)	LS	1	$ 26,000.00	$ 26,000.00			$ -	1	$ 26,000.00	$ 26,000.00	
0182	Modify Traffic Signal System "F" (4 ST / 4 AVE N)	LS	1	$ 38,000.00	$ 38,000.00			$ -	1	$ 38,000.00	$ 38,000.00	
0183	Class 1 Overlay	SY	25	$ 600.00	$ 15,000.00			$ -	25	$ 600.00	$ 15,000.00	
0184	Bridge Concrete Removal	LS	1	$ 45,000.00	$ 45,000.00			$ -	1	$ 45,000.00	$ 45,000.00	
0185	Jersey Barrier Formed or Slipformed	LF	42	$ 230.00	$ 9,660.00			$ -	42	$ 230.00	$ 9,660.00	
0186	Bridge Curb	LF	20	$ 65.00	$ 1,300.00			$ -	20	$ 65.00	$ 1,300.00	
0187	Class AAE-3 Concrete	CY	54	$ 1,500.00	$ 81,000.00			$ -	54	$ 1,500.00	$ 81,000.00	
0188	Compression Seal	LF	180	$ 65.00	$ 11,700.00			$ -	180	$ 65.00	$ 11,700.00	
0189	Structural Steel	LS	1	$ 75,000.00	$ 75,000.00			$ -	1	$ 75,000.00	$ 75,000.00	
0190	Remove Foundation (Case Plaza and Mid America Steel, Inc.)	LS	1	$ 40,000.00	$ 40,000.00			$ -	1	$ 40,000.00	$ 40,000.00	
0191	F&I Sheet Piling - Steel	SF	470	$ 60.00	$ 28,200.00			$ -	470	$ 60.00	$ 28,200.00	
0192	Topsoil - Strip	CY	4085	$ 2.00	$ 8,170.00			$ -	4085	$ 2.00	$ 8,170.00	
0193	Topsoil - Spread	CY	2690	$ 2.00	$ 5,380.00			$ -	2690	$ 2.00	$ 5,380.00	
0194	Embankment	CY	3210	$ 4.00	$ 12,840.00			$ -	3210	$ 4.00	$ 12,840.00	
0195	Fill - Haul	CY	8370	$ 8.00	$ 66,960.00			$ -	8370	$ 8.00	$ 66,960.00	
0196	Inspection Trench	CY	175	$ 12.00	$ 2,100.00			$ -	175	$ 12.00	$ 2,100.00	
0197	Subcut	CY	500	$ 15.00	$ 7,500.00			$ -	500	$ 15.00	$ 7,500.00	
0198	Excavation	CY	1815	$ 9.00	$ 16,335.00			$ -	1815	$ 9.00	$ 16,335.00	
0199	Removal of Contaminated Soil	CY	4220	$ 155.00	$ 654,100.00			$ -	4220	$ 155.00	$ 654,100.00	
0200	Removal of Highly Contaminated Soil	CY	200	$ 160.00	$ 32,000.00			$ -	200	$ 160.00	$ 32,000.00	
0201	Mulching Type 1 - Hydro	SY	19700	$ 0.42	$ 8,274.00			$ -	19700	$ 0.42	$ 8,274.00	
0202	Seeding Type B	SY	19700	$ 0.42	$ 8,274.00			$ -	19700	$ 0.42	$ 8,274.00	
0203	Overseeding	SY	19700	$ 0.11	$ 2,167.00			$ -	19700	$ 0.11	$ 2,167.00	
0204	Weed Control Type B	SY	19700	$ 0.07	$ 1,379.00			$ -	19700	$ 0.07	$ 1,379.00	

DRAFT

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 07)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0205	Removable Floodwall	SF	1475	$ 110.00	$ 162,250.00			$ -	1475	$ 110.00	$ 162,250.00	
0206	F&I Floodwall Reinf Bars - Steel	LB	496765	$ 1.15	$ 571,279.75			$ -	496765	$ 1.15	$ 571,279.75	
0207	F&I Floodwall Reinf Bars - Epoxy Coated Steel	LB	217633	$ 1.30	$ 282,922.90			$ -	217633	$ 1.30	$ 282,922.90	
0208	F&I Floodwall - Structural Conc	CY	3847.37	$ 888.00	$ 3,416,464.56			$ -	3847.37	$ 888.00	$ 3,416,464.56	
0209	Not Used				$ -			$ -			$ -	
0210	Diesel Generator	LS	1	$ 410,000.00	$ 410,000.00			$ -	1	$ 410,000.00	$ 410,000.00	
0211	Generator Foundation Pad	LS	1	$ 40,000.00	$ 40,000.00			$ -	1	$ 40,000.00	$ 40,000.00	
0212	Misc. (fence, etc.)	LS	1	$ 25,000.00	$ 25,000.00			$ -	1	$ 25,000.00	$ 25,000.00	
0213	Health and Safety	LS	1	$ 20,000.00	$ 20,000.00			$ -	1	$ 20,000.00	$ 20,000.00	
0214	Incentive	LS	1	$ 150,000.00	$ 150,000.00			$ -	1	$ 150,000.00	$ 150,000.00	
0215	Small Utility Work-Around	LS	1	$ 169,490.20	$ 169,490.20			$ -	1	$ 169,490.20	$ 169,490.20	
0216	Traffic Control Revisions and Concrete Barriers for Xcel Lines	LS	1	$ 13,225.02	$ 13,225.02			$ -	1	$ 13,225.02	$ 13,225.02	
0217	F&I Watermain Pipe C900 DR 18 - 10" Dia PVC	LF	792	$ 52.50	$ 41,580.00			$ -	792	$ 52.50	$ 41,580.00	
0218	F&I Watermain Pipe w/GB C900 DR 18 - 10" Dia PVC	LF	682	$ 204.20	$ 139,264.40			$ -	682	$ 204.20	$ 139,264.40	
0219	F&I Gate Valve 10" Dia.	EA	4	$ 4,041.50	$ 16,166.00			$ -	4	$ 4,041.50	$ 16,166.00	
0220	Paint Traffic Signal Poles	EA	9	$ 4,235.00	$ 38,115.00			$ -	9	$ 4,235.00	$ 38,115.00	
0221	Bridge Lighting	LS	1	$ 1,815.00	$ 1,815.00			$ -	1	$ 1,815.00	$ 1,815.00	
0222	Excavated Concrete Disposal	LS	1	$ 1,443.46	$ 1,443.46			$ -	1	$ 1,443.46	$ 1,443.46	
0223	Winter Traffic Control	LS	1	$ 3,727.50	$ 3,727.50			$ -	1	$ 3,727.50	$ 3,727.50	
0224	Pump Station Concrete Grading	LS	1	$ 20,068.90	$ 20,068.90		$ -	$ -	1	$ 20,068.90	$ 20,068.90	
0225	Bridge Abutment Seal	LS	1	$ 8,108.33	$ 8,108.33		$ -	$ -	1	$ 8,108.33	$ 8,108.33	
0226	Bridge Abutment Concrete Disposal	LS	1	$ 4,256.28	$ 4,256.28		$ -	$ -	1	$ 4,256.28	$ 4,256.28	
0227	Additional H-Piling	LS	1	$ 6,587.50	$ 6,587.50		$ -	$ -	1	$ 6,587.50	$ 6,587.50	
0228	Traffic Signal modifications	LS	1	$ 29,722.00	$ 29,722.00		$ -	$ -	1	$ 29,722.00	$ 29,722.00	
0229	Additional Forming-Step Footing	LS	1	$ 1,608.52	$ 1,608.52		$ -	$ -	1	$ 1,608.52	$ 1,608.52	
0230	Wall Cap for Abutment	LS	1	$ 2,843.38	$ 2,843.38		$ -	$ -	1	$ 2,843.38	$ 2,843.38	

DRAFT

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 07)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0231	Tee Manhole Addition	LS				1	$ 13,549.70	$ 13,549.70	1	$ 13,549.70	$ 13,549.70	
0232	SS-10 Manhole Revision	LS				1	$ 2,828.85	$ 2,828.85	1	$ 2,828.85	$ 2,828.85	
WP-42F.1S - TOTAL AMOUNT			**CURRENT BUDGET**		**$ 16,616,174.40**	**NET CHANGE**		**$ 16,378.55**	**NEW BUDGET**		**$ 16,632,552.95**	

DRAFT

Your Logo Here

CHANGE ORDER REQUEST

Industrial Builders, Inc.
15274- - 2nd Street Floodwall and Road Relocation

DATE: 5/13/2016
PCO#: 11

To:	Tyler Smith CH2M Hill Engineer's Inc 657 2nd Ave N Fargo, ND 58105-5405	**From:**	David Goulet Industrial Builders, Inc. PO Box 406 Fargo, ND 58107-0406
Phone:	701-566-5470	**Phone:**	701-356-9827
Fax:		**Fax:**	
Email:	tyler.smith@ch2m.com	**Email:**	dgoulet@industrialbuilders.com
CC:			

Below is the detail for our proposal to complete the following changes in contract work:

- PCO: **Revised T-Manhole - SS10 – Floating Castings**
  - Proposed Scope of Work: Tee-Manhole: Includes 1/3 cost of class 3 backfill, connection to existing pipe with added labor, and revised T-manhole material
    - This change order will increase the 150 day milestone, 70 day milestone, and final completion date by 9 calendar days (7 working days)
  - SS-10 Manhole: Revised per owners request
  - Floating Castings: Replace the current structures with floating castings.

PCO Item	Status	Change (in Days)	Quantity	UM	Unit Price	Amount
1 : Tee-Manhole	Initiated	9	1.00	L S	13549.70	13,549.70
2 : SS10 Revised	Initiated		1.00	L S	2828.85	2,828.85
3 : Floating Casting	Initiated		1.00	L S	44356.87	44,356.87

Submitted By:

David Goulet — 5/13/2016 — Date

Approved By:

Tyler Smith — Date
CH2M Hill Engineer's Inc

David Goulet

From: Frank Little <flittle@reinercontracting.com>
Sent: Tuesday, May 03, 2016 4:05 PM
To: David Goulet
Cc: Lance Grobe
Subject: RE: 42F1S - CDF Change Order
Attachments: SKMBT_C28016050315590.pdf; SKMBT_C28016050315541.pdf; SKMBT_C28016050315540.pdf

Dave,

The Tee manhole is $12317.91 This includes the cost of the floating manhole
SS10 Change order is $2571.68 this included the cost of the floating manhole
Attached is the backup documentation for the T & M for bad material found on site.

Also attached is April's pay estimate and a rough schedule update

Thank you

Frank
Project Manager/Estimator

REINER CONTRACTING
An Industry Leader In
GRADING • UTILITY • DEMOLITION

Phone 320-587-9886
Direct 320-484-2307
F 320-587-4847

From: David Goulet [mailto:david@industrialbuilders.com]
Sent: Tuesday, May 03, 2016 3:59 PM
To: David.Buck@ch2m.com
Cc: Frank Little <flittle@reinercontracting.com>
Subject: RE: 42F1S - CDF Change Order

No it is not. They switched to floating cast and a restocking fee.

Thank you,

David Goulet
Project Manager
Industrial Builders, Inc.
Office: 701-282-4977
Direct: 701-356-9827
Fax: 701-281-1409

REINER CONTRACTING INC.

(Certified DBE/WBE Company)

21541 HWY. 7 WEST
HUTCHINSON, MN 55350

www.reinercontracting.com

Phone 320-587-9886
Fax 320-587-4847

5/13/2016

As you aware, there was an issue about the floating casting for this project that resulted in additional costs incurred by Reiner Contracting, DSG, Hancock Concrete over and above what was originally bid. The revision resulted in structures that were set also the remanufacture of structures, the freight costs to remove/replace the original structures (which were already on site), and the eventual disposal of the original structures. Also the cost of the original casting (see DSG email) compared to the original bid items. Below you will find the explanation on why this is a change order.

1. The only floating manhole called out in the bid item list is one (1) for item number eleven (11) in the middle of the intersection of 3rd Street & 1st Avenue North. No other manholes reference City of Fargo Spec. Section 2100.

2. All of the Sanitary Sewer Manholes refer only to City of Fargo Spec. Section 1200. In specification 1200.2.6.1 it specifically calls for Neenah Foundry R-1733 frames, and self-sealing lids lettered 'SANITARY SEWER'. The detail drawing in that section agree.

3. All of the Storm Sewer Manholes refer only to City of Fargo Spec. Section 1500. In specification 1500.2.8 it specifically calls for Neenah R-1733 frames, and vented lids lettered 'STORM SEWER'. See next point for detail drawing statement.

4. In specification section 1500 the drawing detail (5.5) for Type 'E' manholes (as well as A-D manholes on 5.4) appear to show a Neenah R-1733 casting, and note one (1) on that drawing states "Castings Frame, and Cover shall be determined by the engineer based on structure, location, and purpose." We were never made aware that a different type of casting than the spec section calls for in part 2.8 would be required.

5. The castings we submitted for Sanitary Sewer Manholes were approved with no mention of floating castings being required.

6. The castings we submitted for Storm Sewer Manholes were approved with no mention of floating castings being required.

7. In submittal number 1500-001A, 002A the castings we submitted were again approved along with the precast manholes from Hancock Concrete. Also on each of the round precast manholes that Hancock submitted for review it was stated "Frame: 7" Frame by Others", and they were designed for use with the included Neenah R-1733 submittal. All were approved with only a few minor unrelated notes regarding precast outlet/inlet inverts, and regarding the rectangular curb inlet castings. Again no mention of floating castings.

After careful review of the specs, and plan pages relevant to our scope of supply we submitted on the products that we believed met the requirements of the job. We reviewed the listed specs when deciding what product to bid. If it was in fact the engineer's intent to have floating castings installed on manholes that are within concrete pavement, then that should've been made clear in the bid item list instead of only listing the relevant spec on one item (11) in particular. At the very least the issue should have been brought up to the general contractor after the engineer reviewed the submittals so they could've informed Hancock, and ourselves that changes need to be made. Being that no mention of the requirement was made to any involved parties until now we believe that a change order should be issued if we're to be required to supply floating castings.

Total cost of Change order	
Hancock Concrete with mark up	$ 5,706.00
DSG with mark up	$26,873.20
Reiner Contracting	$ 7,745.23
Total change order	$40,324.43

Sincerely,

Frank Little
Bryce Dayhoff
Jon Minke

Hancock

Hancock Concrete Products
17 Atlantic Avenue
Hancock, MN 56244

Tel (320) 392-5207
Fax (320) 392-5155

May 13, 2016

Frank Little
Reiner Contracting, Inc.
21541 Highway 7 West
Hutchinson, MN 55350

Reference: 2nd Street/Downtown – In-Town Levees, North Floodwall; Red River of the North Fargo-Moorhead Flood Risk Management, Cass County, North Dakota
Project # WP42F.1.S

Subject: Project Revisions, Additional Costs Incurred

Mr. Little,

As you aware, there was a revision to the project plans for the above project that resulted in additional costs incurred by Hancock Concrete over and above what was originally quoted. The revision resulted in the remanufacture of three structures, the freight costs to remove/replace the original structures (which were already on site), and the eventual disposal of the original structures.

The costs as described are as follows:

Remanufacture three structures and disposal of original structures:	$2,321.74
Labor and freight costs to replace original structures:	$2,640.00
Total Costs:	$4,961.74

We understand the revision was produced by others, but we would appreciate any assistance you may be able to provide which would enable us to recoup these additional costs.

If you have any questions or wish to contact me for any reason, please email me at geoff.richardson@hancockconcrete.com or call me on my mobile phone at (320) 287-2705.

Sincerely,

Geoff Richardson
Director of Quality

Frank Little

From: Bryce Dayhoff <bdayhoff@dsginc.biz>
Sent: Wednesday, May 11, 2016 6:51 PM
To: Frank Little
Subject: Manhole Casting Change - Flood Control, 2nd St. Levees - Project No. WP-42F1S

Good afternoon,

The covers won't need to be adjusted, but pricing for the manhole casting frames on the above referenced project is below.

Original Bid Frames:
Neenah R-1733-2008 = $128.80 ea.

Change Order Floating Frames:
Neenah R-1955-1 = $859.05 ea.

Thank you,

Bryce Dayhoff
Project Manager

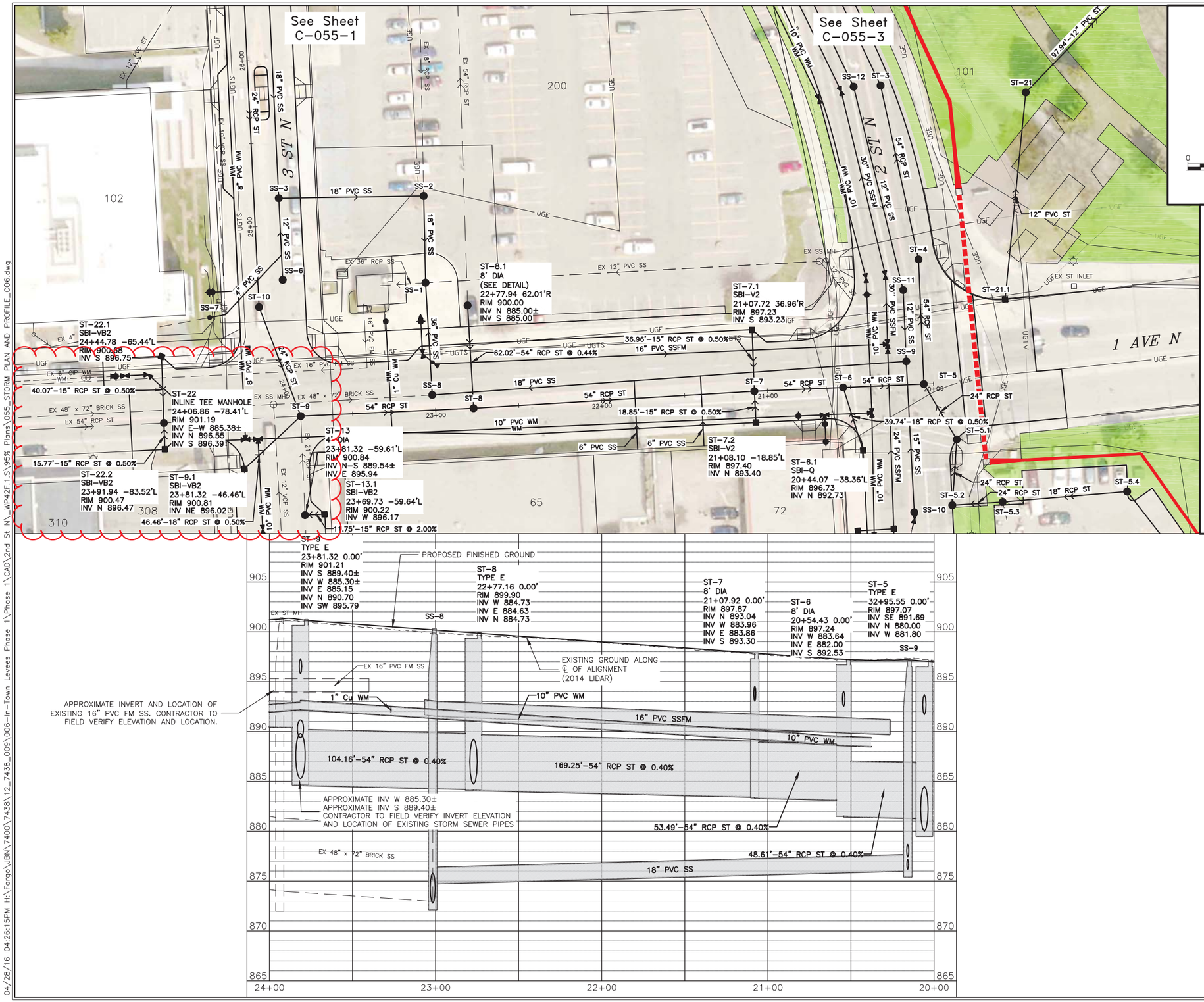
DSG Waterworks
Branch 11, Fargo, ND
Office: (701) 237-0222
Direct: (701) 893-3336
Fax: (701) 237-9609

Dakota Supply Group - FKA: Fargo Water Equipment Inc. (FGOH2O)

Structure #	Precast decision	approved by randy	Casting	Casting cost	Precast cost	
SS-02	Swap Cone	Do nothing in Green space	Regular			
SS-03	Remove 3 rings	Yes	Floating	730.25		
SS-04	Remove 3 rings	Yes	Floating	730.25		
SS-05	Swap Cone	Swap	Floating	730.25		
SS-06	Remove 3 rings	Ok	Floating	730.25		
SS-08	Swap Cone	Ok	Floating	730.25		
SS-09	Remove 3 rings	Ok	Floating	730.25		
SS-10	Remove 3 rings	Ok	Floating	730.25		
SS-11	Swap Cone	Swap	Floating	730.25		
SS-12	Swap Cone	Swap	Floating	730.25		
SS-13	Swap Cone	Swap	Floating	730.25		
SS-14	Swap Cone	Swap	Floating	730.25		
SS-15	Swap Cone	Swap	Floating	730.25		
SS-16	Remove 3 rings	Yes	Floating	730.25		
SS-17	Swap Cone	Do nothing in Green space	Regular			
SS-18	Swap Cone	Do nothing in Green space	Regular			
ST-1	REMAKE TOP SECTION	Remake	Floating	730.25		
ST-2	REMAKE TOP SECTION	Remake	Floating	730.25		
ST-3	REMAKE TOP SECTION	Remake	Floating	730.25		
ST-04	Swap Cone	Swap	Floating	730.25		
ST-05	Remake	Remake	Floating	730.25		
ST-05.3	nothing	Do nothing green space	Regular			
ST-05.4	No rings	Do nothing green space	Regular			
ST-05.5	No rings	Do nothing green space	Regular			
ST-06	Swap Cone	Swap	Floating	730.25		
ST-07	REMAKE TOP SECTION	Remake	Floating	730.25		
ST 8	Remake	remake	Floating	730.25		
ST-9	Remake	Remake	Floating	730.25		
ST-10	Swap Cone	Swap	Floating	730.25		
ST-11	No rings	Going to lower structure	Floating	730.25		
ST-12	REMAKE	Randy is checking on?	Floating	730.25		
ST-13	REMAKE	Can this be cut in shop?	Floating	730.25		
ST-14	Swap Barrel	Swap Barrel	Floating	730.25		
ST-15	Swap Barrel	Swap Barrel	Floating	730.25		
ST-16	Swap Cone	Swap Cone	Floating	730.25		
ST-17	Swap Cone	Swap	floating	730.25		
ST-18	Swap Cone	Do nothing in Green space	Regular			
ST-19	Swap Cone	Swap	Floating	730.25		
ST-20	Swap Cone	swap	Floating	730.25		
ST-21	No rings	Do nothing in Green space	Regular			
		Lump sum Hancock Concrete products letter			4961.74	
				23368	4961.74	28329.74

Reiner Contracting, Inc.
Crew Rate for T&M
5/13/2016

	Equip / Labor
Foreman	113.30
Operator # 1	92.81
Operator # 2	92.81
Laborer # 1	88.41
Laborer # 2	88.41
Laborer # 3	88.41
349 Excavator	286.42
950 Loader	93.31
D6 Dozer	131.72
CP 56 Compactor	97.92
	-
Subtotal	1,173.52
10% Markup	117.35
Total Hourly Rate	1,290.87
Hours	6.00
	$ 7,745.23



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PRELIMINARY

NOTE:
1. EITHER MONOLITHIC MANHOLE STYLE BOOT CONNECTOR FACTORY INSTALLED OR CONCRETE TO PVC PIPE ADAPTORS SHALL BE USED TO CONNECT PVC PIPE TO THE MANHOLE. PVC MANHOLE ADAPTER SHALL BE A GPK PRODUCT OR APPROVED EQUIVALENT AS STATED IN THE CITY OF FARGO SPECIFICATIONS.
2. ALL PIPE LOCATED UNDER PROPOSED AND EXISTING STREET SECTIONS SHALL HAVE GRAVEL BACKFILL INSTALLED PER CITY OF FARGO SPECIFICATIONS.
3. PLANTER BED DRAIN TILE SHALL CONNECT TO ADJACENT STORM SEWER STRUCTURE. (NOT A PAY ITEM)

HMG
HOUSTON - MOORE GROUP

2ND STREET/DOWNTOWN - IN-TOWN LEVEES
2ND STREET N FLOODWALL
RED RIVER OF THE NORTH RIVER BASIN
FARGO-MOORHEAD FLOOD RISK MANAGEMENT
CASS COUNTY, NORTH DAKOTA
STORM SEWER PLAN AND PROFILE - 1ST AVE N

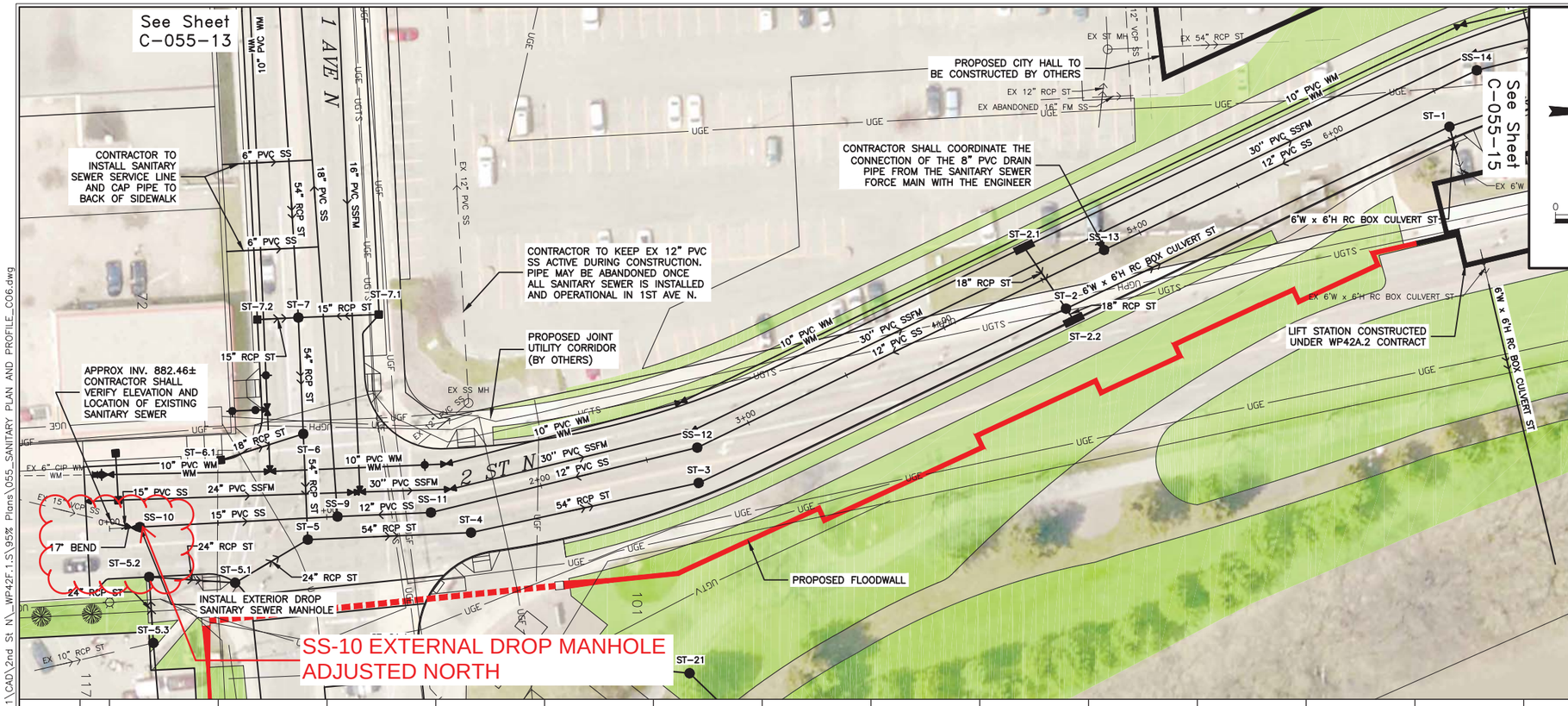
DATE:	8-13-15
REVISED:	11-16-15
REVISED:	4-28-16
REVISED:	
RECORD:	
FILE NAME:	
PROJECT No.	WP-42F.1.S
DRAWN BY:	JMW, BAB
CHECKED BY:	RGE
PROJ. MANAGER:	CGT
PROJ. ENGINEER:	

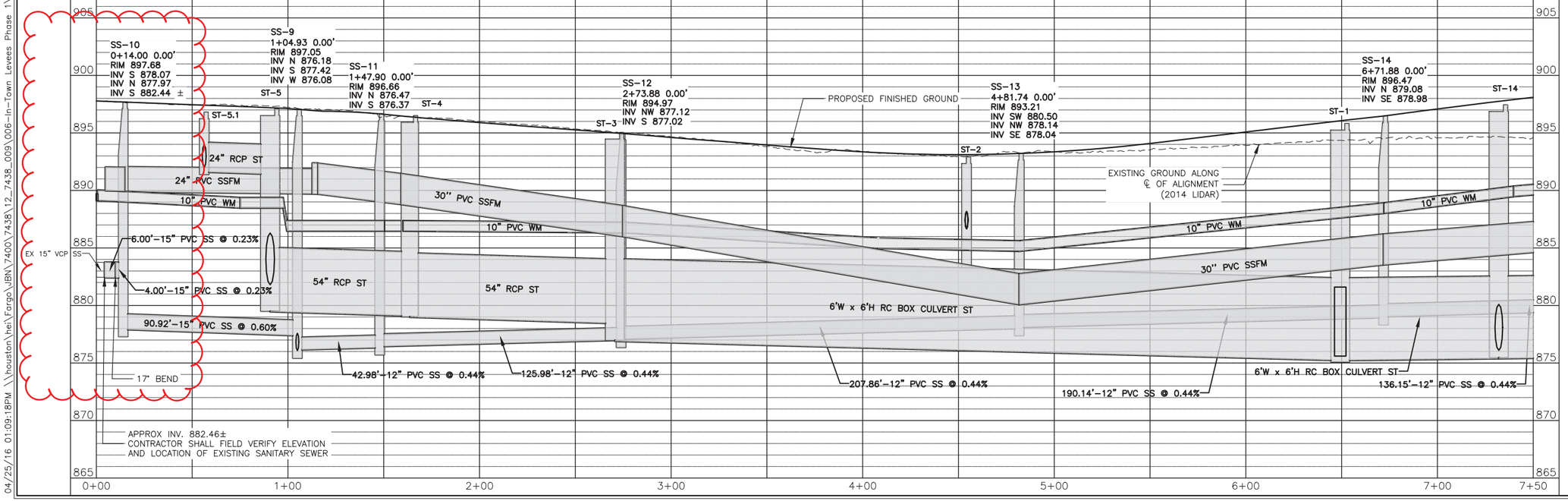
C-055-2

COORDINATE SYSTEM (HORIZONTAL CONTROL)
NAD 83 (1996)
FARGO GROUND - US SURVEY FEET

ELEVATION DATUM (VERTICAL CONTROL)
NAVD 88
GEOID03

04/28/16 04:26:15PM H:\Fargo\JBN\7400\7438\12_7438_009\006-In-Town Levees Phase 1\Phase 1\CAD\2nd St N_WP42F.1.S\95% Plans\055_STORM PLAN AND PROFILE_C06.dwg





NOTE:
1. EITHER MONOLITHIC MANHOLE STYLE BOOT CONNECTOR FACTORY INSTALLED OR CONCRETE TO PVC PIPE ADAPTORS SHALL BE USED TO CONNECT PVC PIPE TO THE MANHOLE. PVC MANHOLE ADAPTER SHALL BE A GPK PRODUCT OR APPROVED EQUIVALENT AS STATED IN THE CITY OF FARGO SPECIFICATIONS.
2. ALL PIPE LOCATED UNDER PROPOSED AND EXISTING STREET SECTIONS SHALL HAVE GRAVEL BACKFILL INSTALLED PER CITY OF FARGO SPECIFICATIONS.

PRELIMINARY

HMG
HOUSTON - MOORE GROUP

2ND STREET/DOWNTOWN - IN-TOWN LEVEES
2ND STREET N FLOODWALL
RED RIVER OF THE NORTH RIVER BASIN
FARGO-MOORHEAD FLOOD RISK MANAGEMENT
CASS COUNTY, NORTH DAKOTA
SANITARY SEWER PLAN AND PROFILE - 2ND ST N

COORDINATE SYSTEM (HORIZONTAL CONTROL)
NAD 1983 (1986)
FARGO GROUND - US SURVEY FEET
ELEVATION DATUM (VERTICAL CONTROL)
NAVD 1988
GEOID03

DATE:	8-13-15
REVISED:	11-16-15
REVISED:	
REVISED:	
RECORD:	
FILE NAME:	
PROJECT No.	WP-42F.1.S
DRAWN BY:	JMW, BAB
CHECKED BY:	RGE
PROJ. MANAGER:	CGT
PROJ. ENGINEER:	

C-055-14

04/25/16 01:09:18PM \\houston\hel\Fargo\JBN\7400\7438\12_7438_009\006-In-Town Levees Phase 1\Phase 1\CAD\2nd St N_WP42F.1.S\95% Plans\055_SANITARY PLAN AND PROFILE_C06.dwg