

ENGINEER'S AGENDA
City of Mapleton Council Meeting
Tuesday, June 5, 2012 at 6:00 pm

1.0 City Engineer

1.1 Levee Recertification

1.1.1 Waiting for NDSWC 60% cost-share approval for geotechnical proposal

1.2 Ashmoor Glen 2nd Addition – Street Improvement District No. 2010-1

1.2.1 Project Update

1.2.2 Partial Payment No. 3 - \$48,397.95

1.2.3 Engineering Invoice #3242 - \$4,127.50

1.3 Storm Sewer Lift Station – 1st Street and Meridian Road

1.3.1 Waiting for CDBG Release of Funds – Early June

1.3.2 Waiting for Cass County Highway funding of \$52,404

1.4 1st Avenue SE Extension

1.4.1 Vacation of R/W

1.4.2 Create Improvement Districts #2012-4 & #2012-5

1.4.3 Approve Engineer Reports #2012-4 & #2012-5

1.5 Mapleton I-94 Development Park First Addition

1.5.1 Final Plat

1.5.2 Revised Engineer Reports #2012-2 & #2012-3

1.5.3 Approval of Plans & Spec contingent upon Public Works Committee Approval

1.5.4 Authorize Ad for Bids contingent upon Public Works Committee Approval of Plans & Specs

1.6 Capital Improvement Plan

1.6.1 Draft Engineering Invoice - \$1,845.00 (No Payment Required Now)

PARTIAL PAYMENT NO. 3
Street Improvement District #2010-1
Ashmoor Glen 2nd Addition
Mapleton, ND

JOB NO. 15583

END DATE FOR QUANTITIES: 05/31/12
DATE SUBMITTED FOR APPROVAL: 06/04/12

Dear: City Council

You are advised that **Kindred Plumbing & Heating, Inc.** has performed work to date as shown by the following itemized statement on **Street Improvement District #2010-1 - Ashmoor Glen 2nd Addition - Mapleton, North Dakota.**

DESCRIPTION OF ITEM	UNIT	QUANTITIES		UNIT PRICE	TOTAL	
		CURRENT	TOTAL			
<u>PART 1 - UNDERGROUND</u>						
1	Topsoil - Stripping	C.Y.		3800	\$4.00	\$15,200.00
2	Culvert - Remove	L.F.	45	45	\$10.00	\$450.00
3	Sanitary Sewer Service Connection - 6"	Each		1	\$535.00	\$535.00
4	Sanitary Sewer Service - 6"	L.F.		39	\$31.00	\$1,209.00
5	Water Service - 1"	L.F.		41	\$34.00	\$1,394.00
6	Water Service - Abandon Existing	Each		5	\$450.00	\$2,250.00
7	Curb Stop & Box - 1" - Salvage & Reinstall	Each		1	\$550.00	\$550.00
8	Gate Valve & Box - Adjust Existing	Each		3	\$380.00	\$1,140.00
9	Curb Stop & Box - Adjust Existing	Each		9	\$210.00	\$1,890.00
10	Sanitary Manhole - Adjust Existing	Each		4	\$1,335.00	\$5,340.00
11	Water Main - Connect to Existing	Each		1	\$2,110.00	\$2,110.00
12	Hydrant Lead - 6"	L.F.		10	\$38.00	\$380.00
13	Gate Valve & Box - Salvage & Reinstall	Each		1	\$450.00	\$450.00
14	Hydrant - Salvage & Reinstall	Each		1	\$800.00	\$800.00
15	Hydrant - Adjust Existing	L.F.		6	\$400.00	\$2,400.00
16	Manhole - Connection to Existing	Each		1	\$1,500.00	\$1,500.00
17	Storm Sewer - 18" RCP	L.F.		69	\$43.00	\$2,967.00
18	Storm Sewer - 18"	L.F.		609	\$35.00	\$21,315.00
19	Storm Sewer - 18" DIP	L.F.		0	\$90.00	\$0.00
20	Storm Sewer - 15"	L.F.		420	\$31.00	\$13,020.00
21	Storm Sewer - 12"	L.F.		58	\$29.00	\$1,682.00
22	Flared End Section - 18" RCP	Each	2	2	\$550.00	\$1,100.00
23	Storm Sewer Inlet	Each		5	\$1,070.00	\$5,350.00
24	Storm Sewer Catch Basin	Each		1	\$1,275.00	\$1,275.00
25	Storm Sewer Manhole	Each		4	\$2,110.00	\$8,440.00
26	Control Structure	L.Sum		1	\$8,985.00	\$8,985.00
<u>PART 2 - STREET</u>						
27	Tree - Spade & Replant	Each		4	\$275.00	\$1,100.00
28	Excavation & Ementkment	C.Y.	1310	13125	\$4.85	\$63,656.25
29	Asphalt - Patch	L.Sum		1	\$4,500.00	\$4,500.00
30	Subgrade Preparation	S.Y.	4980	4980	\$1.25	\$6,225.00
31	Geotextile Fabric - Soil Reinforcement	S.Y.	4980	4980	\$1.90	\$9,462.00
32	Pipe - 4" Perforated PVC	L.F.	100	100	\$4.25	\$425.00
33	Aggregate Base Course - 9"	C.Y.	930	930	\$32.00	\$29,760.00
34	Curb & Gutter	L.F.		0	\$16.50	\$0.00
35	Asphalt Base Course - 3"	S.Y.		0	\$13.85	\$0.00
36	Asphalt Wearing Course - 2"	S.Y.		0	\$9.65	\$0.00
37	Splash Pad - Concrete	S.F.		0	\$12.50	\$0.00
38	Aggregate Surface Course	C.Y.		0	\$32.00	\$0.00
39	Ditch Grading	L.F.		0	\$4.50	\$0.00
40	Topsoil Replacement	C.Y.		0	\$8.00	\$0.00
41	Seeding - Type I	Acre		0	\$880.00	\$0.00
42	Seeding - Native - Type VI - Ponds II	Acre		0	\$5,390.00	\$0.00
43	Native Planting Plugs	Each		0	\$2.65	\$0.00
44	Mulch - Type A	Acre		0	\$330.00	\$0.00
45	Mulch - Type B	Acre		0	\$1,650.00	\$0.00
46	Inlet Protection Device	Each		5	\$110.00	\$550.00
47	Sedimentation Control Wattle - 9"	L.F.		0	\$3.50	\$0.00
48	Erosion Control Blanket - MNCAT2	S.Y.		0	\$1.35	\$0.00
49	Erosion Control Blanket - MNCAT5	S.Y.		0	\$1.70	\$0.00
50	Traffic Control	L.Sum		0.5	\$3,300.00	\$1,650.00
51	Storm Water Management	L.Sum		0.5	\$1,000.00	\$500.00
52	Material Testing	Invoice		0	\$3,000.00	\$0.00

PARTIAL PAYMENT NO. 3
Street Improvement District #2010-1
Ashmoor Glen 2nd Addition

MOORE ENGINEERING:

Project Engineer

CONTRACTOR:

Kindred Plumbing & Heating, Inc.

AUDITOR'S RECORD

Total Work to Date	\$223,960.25
Less 10 percent	\$22,396.03
Balance	_____ \$201,564.22
Less Former Payments	\$153,166.27
Amount Allowed	_____ \$48,397.95
Approved Amount by City	
Orders Paid	
Warrant Numbers	



Shaping the Region for 50 Years.

925 10th Avenue East • West Fargo, ND 58078
 T: 701.282.4692 F: 701.282.4530

City of Mapleton
 P O Box 9
 Mapleton, ND 58059-0009

Invoice number 3242
 Date 05/29/2012

Project **15583 Ashmoor Glen 2nd Addition
 Street Imp. Dist. #2010-1**

Professional Services

Ashmoor Glen 2nd Addition
 Street Improvement District #2010-1

Lump Sum	Contract Amount	Percent Complete	Total Billed	Prior Billed	Current Billed
320 Final Design	20,000.00	100.00	20,000.00	20,000.00	0.00
Subtotal	20,000.00	100.00	20,000.00	20,000.00	0.00

410 Residential Project Review - Hourly

Labor

	Hours	Rate	Billed Amount
Engineering Technician I	29.50	75.00	2,212.50
Engineering Technician III	0.50	95.00	47.50

420 Detailed Construction Staking - Hourly

Labor

	Hours	Rate	Billed Amount
GPS Survey Crew Chief	9.00	110.00	990.00
Survey Technician I	9.00	60.00	540.00

440 Construction Contract Admin - Hourly

Labor

	Hours	Rate	Billed Amount
Professional Engineer	2.50	135.00	337.50

Invoice total **4,127.50**

Invoice Summary

Description	Contract Amount	Prior Billed	Total Billed	Current Billed
101 City Engineer Review - Hourly	3,450.00	3,547.90	3,547.90	0.00
320 Final Design	20,000.00	20,000.00	20,000.00	0.00
410 Residential Project Review - Hourly	10,000.00	7,869.75	10,129.75	2,260.00
420 Detailed Construction Staking - Hourly	5,000.00	5,731.10	7,261.10	1,530.00
440 Construction Contract Admin - Hourly	9,000.00	4,630.50	4,968.00	337.50
640 Assessment Calculations - Hourly	750.00	512.15	512.15	0.00
Total	48,200.00	42,291.40	46,418.90	4,127.50

PLEASE REMIT PAYMENT - ATTENTION ACCOUNTING



Shaping the Region for 50 Years.

925 10th Avenue East • West Fargo, ND 58078
T: 701.282.4692 F: 701.282.4530

City of Mapleton
P O Box 9
Mapleton, ND 58059-0009

Invoice number * Draft *
Date 05/31/2012

Project **16391 Mapleton Capital Improvement Plan**

Professional Services

Labor

	Hours	Rate	Billed Amount
CADD Technician I	9.00	95.00	855.00
Graduate Engineer	3.00	105.00	315.00
Professional Engineer	5.00	135.00	675.00
Labor subtotal	17.00		1,845.00
		Invoice total	1,845.00

PLEASE REMIT PAYMENT - ATTENTION ACCOUNTING

Pre-Billing Worksheet

**16391 Mapleton Capital Improvement Plan
 101 Cost Estimates for Project Layouts**

Phase Status: Active

WIP - Bill As Time & Expense

Billing Type: Time & Expense

Billing Cutoff:

Date	Units	Rate	Amount
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To Bill

Units	Amount
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Labor

WIP Status: Billable

CADD Technician I

Nathan A. Stokka

CADD Technician I	03/29/2012	5.00	95.00	475.00	5.00	475.00
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Map for presentation

CADD Technician I	03/30/2012	4.00	95.00	380.00	4.00	380.00
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Added an updated map and edited to show road edge and printed

Subtotal		9.00		855.00	9.00	855.00
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Graduate Engineer

Cavin P. Berube

Graduate Engineer	03/28/2012	2.00	105.00	210.00	2.00	210.00
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Worked on Cost Estimate for street extension in industrial park

Graduate Engineer	03/29/2012	0.50	105.00	52.50	0.50	52.50
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Redlined Plan Sheet, correspondence with Nathan

Graduate Engineer	03/30/2012	0.50	105.00	52.50	0.50	52.50
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Redlined Plan sheets, correspondence with Nathan in Cadd

Subtotal		3.00		315.00	3.00	315.00
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Professional Engineer

Brandon L. Oye

Professional Engineer	03/12/2012	1.50	135.00	202.50	1.50	202.50
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-Project Admin

Professional Engineer	03/27/2012	2.00	135.00	270.00	2.00	270.00
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*-Reviewing CIP; getting maps and correct body of document
 -Attended P&Z meeting to discuss lagoon expansion*

Professional Engineer	03/29/2012	1.00	135.00	135.00	1.00	135.00
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-Cost estimate for 1st Street and Carl Olsen Street

Professional Engineer	03/30/2012	0.50	135.00	67.50	0.50	67.50
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-Call from Hillman on lagoon expansion

Subtotal		5.00		675.00	5.00	675.00
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Labor total		17.00		1,845.00	17.00	1,845.00
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Invoice Summary

Reported % Complete

Date Entered:

	Contract	Spent	%	Billed	%	Remaining	%	WIP	To Bill
Labor	4,145.00	3,470.00	84			4,145.00	100	1,845.00	1,845.00
Expense		14.30							
Consultant									
Total	4,145.00	3,484.30	84			4,145.00	100	1,845.00	1,845.00