

**ENGINEER'S AGENDA**  
**City of Mapleton Council Meeting**  
**Tuesday, December 6, 2011 at 6:00 pm**

**1.0 City Engineer**

**1.1 Levee Recertification**

- 1.1.1 On hold until Base Flood Elevation is established
- 1.1.2 Cass County Flood Risk Reduction Projects

**1.2 Cass County Highway 11 Reconstruction**

- 1.2.1 Project Update

**1.3 Ashmoor Glen 2<sup>nd</sup> Addition – Street Improvement District No. 2010-1**

- 1.3.1 Project Update
- 1.3.2 Engineering Invoice #2419 - \$12,824.00
- 1.3.3 Construction Partial Payment No. 1 - \$149,206.27

**1.4 Storm Sewer Improvement District #2011-1 – Meridian Grove Drain Tile**

- 1.4.1 Engineering Invoice #2423 - \$250

**1.5 Plan of Operation – Flood Preparation document**

- 1.5.1 Need to approve revised document



*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 2419  
 Date 11/30/2011

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
<b>320 Final Design</b>	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

**101 City Engineer Review - Hourly**

Labor

CADD Technician III

Hours	Rate	Billed Amount
1.00	100.00	100.00

**410 Residential Project Review - Hourly**

Labor

Engineering Technician II

Engineering Technician III

Hours	Rate	Billed Amount
77.50	75.00	5,812.50
6.50	85.00	552.50

Expense

Miles

Units	Rate	Billed Amount
356.00	0.65	231.40

**420 Detailed Construction Staking - Hourly**

Labor

CADD Technician I

GPS Survey Crew Chief

Survey Manager

Survey Technician II

Survey Technician III

Hours	Rate	Billed Amount
0.50	85.00	42.50
25.50	95.00	2,422.50
5.00	105.00	525.00
7.00	55.00	385.00
18.50	65.00	1,202.50

Expense

Miles

Units	Rate	Billed Amount
34.00	0.65	22.10

**440 Construction Contract Admin - Hourly**

Labor

	Hours	Rate	Billed Amount
Administrative Assistant	1.50	55.00	82.50
Graduate Engineer	0.50	95.00	47.50
Professional Engineer	11.00	125.00	1,375.00

Expense

	Units	Rate	Billed Amount
Miles	36.00	0.65	23.40

Invoice total **12,824.40**

**Invoice Summary**

Description	Contract Amount	Prior Billed	Total Billed	Current Billed
101 City Engineer Review - Hourly	3,450.00	3,447.90	3,547.90	100.00
320 Final Design	20,000.00	20,000.00	20,000.00	0.00
410 Residential Project Review - Hourly	10,000.00	725.65	7,322.05	6,596.40
420 Detailed Construction Staking - Hourly	5,000.00	1,131.50	5,731.10	4,599.60
440 Construction Contract Admin - Hourly	9,000.00	1,436.80	2,965.20	1,528.40
640 Assessment Calculations - Hourly	750.00	0.00	0.00	0.00
Total	48,200.00	26,741.85	39,566.25	12,824.40

*PLEASE REMIT PAYMENT - ATTENTION ACCOUNTING*

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

JOB NO. 15583

DATE: 12/06/11

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			
<b><u>PART 1 - UNDERGROUND</u></b>						
1	Topsoil - Stripping	C.Y.	3800	3800	\$4.00	\$15,200.00
2	Culvert - Remove	L.F.		0	\$10.00	\$0.00
3	Sanitary Sewer Service Connection - 6"	Each	1	1	\$535.00	\$535.00
4	Sanitary Sewer Service - 6"	L.F.	39	39	\$31.00	\$1,209.00
5	Water Service - 1"	L.F.	41	41	\$34.00	\$1,394.00
6	Water Service - Abandon Existing	Each	5	5	\$450.00	\$2,250.00
7	Curb Stop & Box - 1" - Salvage & Reinstall	Each	1	1	\$550.00	\$550.00
8	Gate Valve & Box - Adjust Existing	Each	3	3	\$380.00	\$1,140.00
9	Curb Stop & Box - Adjust Existing	Each	9	9	\$210.00	\$1,890.00
10	Sanitary Manhole - Adjust Existing	Each	4	4	\$1,335.00	\$5,340.00
11	Water Main - Connect to Existing	Each	1	1	\$2,110.00	\$2,110.00
12	Hydrant Lead - 6"	L.F.	10	10	\$38.00	\$380.00
13	Gate Valve & Box - Salvage & Reinstall	Each	1	1	\$450.00	\$450.00
14	Hydrant - Salvage & Reinstall	Each	1	1	\$800.00	\$800.00
15	Hydrant - Adjust Existing	L.F.	6.0	6.0	\$400.00	\$2,400.00
16	Manhole - Connection to Existing	Each	1	1	\$1,500.00	\$1,500.00
17	Storm Sewer - 18" RCP	L.F.	69	69	\$43.00	\$2,967.00
18	Storm Sewer - 18"	L.F.	609	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	420	\$31.00	\$13,020.00
21	Storm Sewer - 12"	L.F.	58	58	\$29.00	\$1,682.00
22	Flared End Section - 18" RCP	Each		0	\$550.00	\$0.00
23	Storm Sewer Inlet	Each	5	5	\$1,070.00	\$5,350.00
24	Storm Sewer Catch Basin	Each	1	1	\$1,275.00	\$1,275.00
25	Storm Sewer Manhole	Each	4	4	\$2,110.00	\$8,440.00
26	Control Structure	L.Sum	1	1	\$8,985.00	\$8,985.00
<b><u>PART 2 - STREET</u></b>						
27	Tree - Spade & Replant	Each	4	4	\$275.00	\$1,100.00
28	Excavation & Emarkment	C.Y.	11815	11815	\$4.85	\$57,302.75
29	Asphalt - Patch	L.Sum	1	1	\$4,500.00	\$4,500.00
30	Subgrade Preparation	S.Y.		0	\$1.25	\$0.00
31	Geotextile Fabric - Soil Reinforcement	S.Y.		0	\$1.90	\$0.00
32	Pipe - 4" Perforated PVC	L.F.		0	\$4.25	\$0.00
33	Aggregate Base Course - 9"	C.Y.		0	\$32.00	\$0.00
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	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	0.5	\$3,300.00	\$1,650.00
51	Storm Water Management	L.Sum	0.5	0.5	\$1,000.00	\$500.00
52	Material Testing	Invoice		0	\$3,000.00	\$0.00



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

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**MOORE ENGINEERING:**

  
Project Engineer

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**CONTRACTOR:**

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Kindred Plumbing & Heating, Inc.

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**AUDITOR'S RECORD**

Total Work to Date	\$165,784.75
Less 10 percent	\$16,578.48
Balance	<u>\$149,206.27</u>
Less Former Payments	\$0.00
Amount Allowed	<u>\$149,206.27</u>
Approved Amount by City	
Orders Paid	
Warrant Numbers	

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Invoice number 2423  
Date 11/30/2011

Project **15535 Mapleton Storm Sewer Improvement District #2011-1 Meridian Grove Addition**

Professional Services

**621 Easements - Phase 621**

Labor

	Hours	Rate	Billed Amount
Professional Engineer	2.00	125.00	250.00
Invoice total			<b>250.00</b>

**Invoice Summary**

Description	Contract Amount	Prior Billed	Total Billed	Current Billed
621 Easements - Phase 621	750.00	646.25	896.25	250.00
640 Assessment Calculations - Phase 640	750.00	200.00	200.00	0.00
Total	1,500.00	846.25	1,096.25	250.00

PLEASE REMIT PAYMENT - ATTENTION ACCOUNTING