

City of Minot, North Dakota
55th Crossing West Street & Utility Improvements

Change Order

Date of Issuance: 6-1-15 Effective Date: 6-1-15 No. 02

Project: 55 th Crossing West Street & Utility Improvements	Owner: City of Minot	Owner's Contract No.: 3913
Contact: 55 th Crossing West Street & Utility Improvements		Date of Contract:
Contractor: Wagner Construction, Inc.		Engineer's Project No.: 12-046.03

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

Description: Revisions to contract as detailed in the attached Memo to Lance Meyer, PE

Attachments: (List documents supporting change):

Memo_2015-03-31_Minot_Lance_CO2-CostComparison

Request for Time extension

CHANGE IN CONTRACT PRICE:

Original Contract Price: \$5,598,920.00

[Increase] [Decrease] from previously approved Change Orders No. _____ to No. _____:
\$ _____

Contract Price prior to this Change Order:

\$5,705,419.34

[Increase] [Decrease] of this Change Order:

\$75,732.90

Contract Price incorporating this Change Order:

\$5,781,152.24

CHANGE IN CONTRACT TIMES:

Original Contract Times: Working days Calendar days
Substantial completion (days or date): December 1, 2014
Ready for final payment (days or date): December 15, 2015

[Increase] [Decrease] from previously approved Change Orders No. _____ to No. _____:
Substantial completion (days): _____
Ready for final payment (days): _____

Contract Times prior to this Change Order:

Substantial completion (days or date): August 1, 2015
Ready for final payment (days or date): August 15, 2015

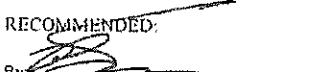
[Increase] [Decrease] of this Change Order:

Substantial completion (days or date): _____
Ready for final payment (days or date): _____

Contract Times with all approved Change Orders:

Substantial completion (days or date): August 1, 2015
Ready for final payment (days or date): August 15, 2015

RECOMMENDED:

By: 
Engineer (Authorized Signature)

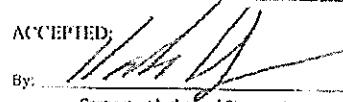
Date: 6-1-15

ACCEPTED:

By: 
Owner (Authorized Signature)

Date: 6/2/2015

ACCEPTED:

By: 
Contractor (Authorized Signature)

Date: 5-18-15

Approved by Funding Agency (if applicable): _____ Date: _____



1907 17th Street Southeast
Minot, ND 58701
701.837.8737
www.ackerman-estvold.com

MEMORANDUM

To: Lance Meyer, PE, City of Minot
Cc: Jacqueline Aucker, EI, Assistant City Engineer, City of Minot
From: Patrick D. Samson, PE, Ackerman-Estvold
Date: March 31, 2015
Re: 55th Crossing West
Cost Justification for Change Order #2

The purpose of this memo is to provide a brief explanation of need for the Change Order #2 items and to justify the cost of each item.

General Items:

The Contractor installed additional Traffic Control signage due to SJ Louis work on 55th.

- Item 2: Traffic Control – Increase Lump Sum Price to account for additional signage required as a result of the delayed SJ Louis 55th improvements.
 - *Increase Unit Price from \$5,000 to \$8,700*

Result = Increase of 3,700.00

Water Items:

As the Sanitary Sewer was extended up 16th Avenue near 525nd Street, it was discovered that the water main was not as located on the FEMA Record Drawings. It was requested that the Contractor pothole the existing water main near the 47th loop prior to sanitary sewer improvements so potential conflicts could be resolved.

- Add Item: WO-6 – Potholing for 12" Water Main – 47th Loop – Add 1 Lump Sum
 - *The Contractor Price for the Work is a Lump Sum of \$802.50.*

Result = Increase of \$802.50

As a part of the water main improvements, the Contractor was required to test all of the water mains within the project limits in accordance with City Standards. It was found that the water system was not holding pressure. At the time, it was indeterminate if the leaks were a result of the work performed by the Contractor or if the leaks were a part of the existing system. The items listed below are only those that apply to the existing system (areas not installed by the contractor).

- Add Item: WO-8 – 15th Ave Water Main and Service Leak Repair – Add 1 Lump Sum
 - *The Contractor price for the work is a lump sum of \$8,097.99.*
- Add Item: WO-10 – Digging and fix of abandoned Water Service – Lot 9A

- *The Contractor Price for the work is a lump sum of \$5,940.00.*
- Add Item: WO-11 – Exploratory Digging – found leak on Lot 8A – Add 1 Lump Sum
 - *The Contractor price for the work is a lump sum of \$13,860.00.*
- Add Item: WO-12 – Leak Detection – Add 1 Lump Sum
 - *The Contractor price for the work is a lump sum of \$1,568.58.*
- Add Item: WO-13 – Leak Detection – Correction at Ex. Hydrant – Add 1 Lump Sum
 - *The Contractor price for the work is a lump sum of \$4,600.00.*
- Add Item: WO-16 – Leak Detection – Helium – Corrected Tee, Hyd, & GV – Add 1 Lump Sum
 - *The Contractor price for the work is a lump sum of \$7,031.13.*
- Add Item: WO-17 – Leak Detection – Correction at Hyd, New 6" WM – Add 1 Lump Sum
 - *The Contractor price for the work is a lump sum of \$5,578.50.*

Result = Increase of \$46,676.20

Pavement Items:

The Developer requested that temporary aggregate be placed at the end of the year so that access was maintained for the properties under construction and to be sold over the winter and into the spring. The work was considered temporary as subgrade testing was not complete and fabric not placed. The aggregate will be salvaged and used as a part of the proposed improvements.

- Item 70: Class 5 Aggregate Base (Salvaged) – Revise from 15,000 Tons to 16,450 Tons (90% of temporary material)
 - *Paid at contract unit price of \$10.00 per Ton.*
- Item 71: Class 5 Aggregate Base – Revise from 15,000 Tons to 13,550 Ton (90% of temporary material)
 - *Paid at contract unit price of \$21.00 per Ton.*
- Add Item: Class 5 Aggregate Base – Temp Surfacing – Add 1,615 Ton
 - *The Contractor price for the work is \$25.08 per Ton (\$22.58 for material, \$2.50 for placement)*

Result = Increase of \$24,554.20

55th Crossing - West

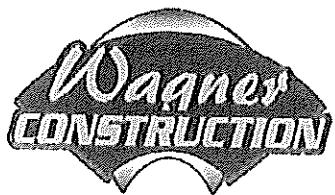
Wagner Construction CO #2

March 31, 2015

Date:		CO-1	CO-2		Bid/CO-1	CO-2	CO-1	CO-2
Item	Description	Quantity	Quantity	Unit	Price	Price	Total	Total
General Items								
1	General Conditions	1	1	LS	\$405,000.00	\$405,000.00	\$405,000.00	\$405,000.00
2	Traffic Control	1	1	LS	\$5,000.00	\$8,700.00	\$5,000.00	\$8,700.00
3	Materials Testing	1	1	LS	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00
	Subtotal						\$435,000.00	\$438,700.00
Removals								
4	4" Asphalt Pavement	3,050	3,050	SY	\$3.00	\$3.00	\$9,150.00	\$9,150.00
5	Concrete Pavement	450	450	SY	\$5.00	\$5.00	\$2,250.00	\$2,250.00
6	Gravel (Salvage and Stockpile)	36,500	36,500	TON	\$1.50	\$1.50	\$54,750.00	\$54,750.00
7	Water Service (to main and capped)	21	21	EA	\$1,100.00	\$1,100.00	\$23,100.00	\$23,100.00
8	Water Service (partial)	47	47	EA	\$830.00	\$830.00	\$39,010.00	\$39,010.00
9	Sanitary Sewer Service (to main and plugged)	30	30	EA	\$1,100.00	\$1,100.00	\$33,000.00	\$33,000.00
10	Sanitary Sewer Service (partial)	39	39	EA	\$830.00	\$830.00	\$32,370.00	\$32,370.00
11	15" CMP Culvert	95	95	EA	\$20.00	\$20.00	\$1,900.00	\$1,900.00
12	18" CMP Culvert	57	57	EA	\$20.00	\$20.00	\$1,140.00	\$1,140.00
13	24" CMP Culvert	9	9	EA	\$20.00	\$20.00	\$180.00	\$180.00
14	36" CMP Culvert	16	16	EA	\$20.00	\$20.00	\$320.00	\$320.00
15	Fire Hydrant	3	3	EA	\$1,500.00	\$1,500.00	\$4,500.00	\$4,500.00
16	Street Signs	45	45	EA	\$50.00	\$50.00	\$2,250.00	\$2,250.00
17	Chain Link Fence	2,210	2,210	LF	\$3.00	\$3.00	\$6,630.00	\$6,630.00
18	Trash Enclosure	3	3	EA	\$1,500.00	\$1,500.00	\$4,500.00	\$4,500.00
	Subtotal						\$215,050.00	\$215,050.00
Water Items								
19	1" Copper Water Service, Complete	112	112	EA	\$1,700.00	\$1,700.00	\$190,400.00	\$190,400.00
20	Curb Stop	46	46	EA	\$650.00	\$650.00	\$29,900.00	\$29,900.00
21	6" C-900 Water Main (DR-18)	30	30	LF	\$75.00	\$75.00	\$2,250.00	\$2,250.00
22	8" C-900 Water Main (DR-18)	500	500	LF	\$54.00	\$54.00	\$27,000.00	\$27,000.00
23	6" Gate Valve, Riser & Box	8	8	EA	\$2,000.00	\$2,000.00	\$16,000.00	\$16,000.00
24	8" Gate Valve, Riser & Box	1	1	EA	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00
25	Relocate Ex. Fire Hydrant	4	4	EA	\$3,000.00	\$3,000.00	\$12,000.00	\$12,000.00
26	Fire Hydrant	8	8	EA	\$5,000.00	\$5,000.00	\$40,000.00	\$40,000.00
27	8"x6" DI Tee	1	1	EA	\$800.00	\$800.00	\$800.00	\$800.00
28	8" DI Bend	1	1	EA	\$800.00	\$800.00	\$800.00	\$800.00
29	8" Wet Tap with Valve & Tapping Sleeve	6	6	EA	\$5,500.00	\$5,500.00	\$33,000.00	\$33,000.00

30	6" Wet Tap with Valve & Tapping Sleeve	5	5	EA	\$6,000.00	\$6,000.00	\$30,000.00	\$30,000.00	\$0.00
31	8" DI Cap	6	6	EA	\$600.00	\$600.00	\$3,600.00	\$3,600.00	\$0.00
CO-1	Relocate Curb Stop	1	1	EA	\$1,387.32	\$1,387.32	\$1,387.32	\$1,387.32	\$0.00
CO-1	Repair Water Main Break and add 8"x6" Tee	1	1	LS	\$2,795.00	\$2,795.00	\$2,795.00	\$2,795.00	\$0.00
CO-2	WO-6 - Potholing for 12" Water Main - 47th Loop	0	1	LS	\$0.00	\$802.50	\$0.00	\$802.50	\$802.50
CO-2	WO-8 - 15th Ave Water Main and Service Leak Repair	0	1	LS	\$0.00	\$8,097.99	\$0.00	\$8,097.99	\$8,097.99
CO-2	WO-10 - Digging and fix of abandoned Water Service - Lot 9A	0	1	LS	\$0.00	\$5,940.00	\$0.00	\$5,940.00	\$5,940.00
CO-2	WO-11 - Exploratory Digging - found leak on Lot 8A	0	1	LS	\$0.00	\$13,860.00	\$0.00	\$13,860.00	\$13,860.00
CO-2	WO-12 - Leak Detection	0	1	LS	\$0.00	\$1,568.58	\$0.00	\$1,568.58	\$1,568.58
CO-2	WO-13 - Leak Detection - Correction at Ex. Hydrant	0	1	LS	\$0.00	\$4,600.00	\$0.00	\$4,600.00	\$4,600.00
CO-2	WO-16 - Leak Detection - Helium - Corrected Tee, Hyd. & GV	0	1	LS	\$0.00	\$7,031.13	\$0.00	\$7,031.13	\$7,031.13
CO-2	WO-17 - Leak Detection - Correction at Hyd, New 6" WM	0	1	LS	\$0.00	\$5,578.50	\$0.00	\$5,578.50	\$5,578.50
	Subtotal					\$392,932.32	\$440,411.02		\$47,478.70
	Sanitary Sewer Items								
32	8" PVC Sewer Main (SDR-35)	1,877	1,877	LF	\$75.00	\$75.00	\$140,775.00	\$140,775.00	\$0.00
33	8" PVC Sewer Main (SDR-35) - Remove & Replace	420	420	LF	\$200.00	\$200.00	\$84,000.00	\$84,000.00	\$0.00
34	12" PVC Sewer Main (SDR-35)	1,730	1,730	LF	\$110.00	\$110.00	\$190,300.00	\$190,300.00	\$0.00
35	4" PVC Sewer Service Complete - Sch. 40	122	122	EA	\$1,600.00	\$1,600.00	\$195,200.00	\$195,200.00	\$0.00
36	48" Manhole Eccentric Standard, Complete	16	16	EA	\$5,000.00	\$5,000.00	\$80,000.00	\$80,000.00	\$0.00
37	Connect To Ex. Manhole By External Drop	1	1	EA	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$0.00
38	Ex. Manhole Adjustments	18	18	EA	\$750.00	\$750.00	\$13,500.00	\$13,500.00	\$0.00
39	8" Plug	5	5	EA	\$225.00	\$225.00	\$1,125.00	\$1,125.00	\$0.00
40	12" Plug	0	0	EA	\$250.00	\$250.00	\$0.00	\$0.00	\$0.00
41	Sewer Televising	1	1	LS	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$0.00
CO-1	Repair Manhole Connection (Ex MII 57-1, 47th Loop)	1	1	EA	\$3,800.00	\$3,800.00	\$3,800.00	\$3,800.00	\$0.00
CO-1	Remove and replace 15" Sanitary Sewer (55th & 16th, Sheet 30)	120	120	LF	\$110.00	\$110.00	\$13,200.00	\$13,200.00	\$0.00
CO-1	21" PVC Sewer Main (Sheet 30, SMII-60)	20	20	LF	\$185.00	\$185.00	\$3,700.00	\$3,700.00	\$0.00
CO-1	21" Plug (Sheet 30, SMII-60)	1	1	EA	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$0.00
CO-1	Add 8" External Drop to Sanitary Manhole (SMH-81 & 82)	9.1	9.1	Vert FT	\$425.00	\$425.00	\$3,867.50	\$3,867.50	\$0.00
CO-1	Add 15" External Drop to Sanitary Manhole (SMII-60)	16	16	Vert FT	\$495.00	\$495.00	\$7,920.00	\$7,920.00	\$0.00
CO-1	Improved Pipe Bedding	713	713	TON	\$34.66	\$34.66	\$24,712.58	\$24,712.58	\$0.00
CO-1	Modify SMH to "Doghouse Manhole" (SMH-67)	1	1	EA	\$1,350.00	\$1,350.00	\$1,350.00	\$1,350.00	\$0.00
CO-1	Add 48" (Remove 64") Barrel Section to SMII-70	1	1	EA	\$1,700.00	\$1,700.00	\$1,700.00	\$1,700.00	\$0.00
CO-1	Locate Existing Water Main	1	1	LS	\$802.50	\$802.50	\$802.50	\$802.50	\$0.00
CO-1	Add 60" Barrel Section to Sanitary Manhole (SMH-60)	1	1	EA	\$1,375.00	\$1,375.00	\$1,375.00	\$1,375.00	\$0.00
	Subtotal					\$781,327.58	\$781,327.58		\$0.00
	Storm Sewer Items								
42	24" x 36" Catch Basin	28	28	EA	\$3,300.00		\$92,400.00	\$92,400.00	\$0.00
43	48" Dia. Catch Basin Manhole	25	25	EA	\$3,000.00		\$75,000.00	\$75,000.00	\$0.00
44	60" Dia. Catch Basin Manhole	21	21	EA	\$3,200.00		\$67,200.00	\$67,200.00	\$0.00
45	72" Dia. Catch Basin Manhole	2	2	EA	\$9,500.00		\$19,000.00	\$19,000.00	\$0.00

46	84" Dia. Catch Basin Manhole	1	1	EA	\$9,500.00		\$9,500.00	\$9,500.00	\$0.00
47	48" Dia. Storm Sewer Manhole	5	5	EA	\$4,500.00		\$22,500.00	\$22,500.00	\$0.00
48	60" Dia. Storm Sewer Manhole	10	10	EA	\$3,600.00		\$36,000.00	\$36,000.00	\$0.00
49	72" Dia. Storm Sewer Manhole	4	4	EA	\$8,500.00		\$34,000.00	\$34,000.00	\$0.00
50	15" RCP CL-III	1,050	1,050	LF	\$60.00		\$63,000.00	\$63,000.00	\$0.00
51	18" RCP CL-III	5,670	5,670	LF	\$69.00		\$391,230.00	\$391,230.00	\$0.00
52	24" RCP CL-III	1,650	1,650	LF	\$72.00		\$118,800.00	\$118,800.00	\$0.00
53	30" RCP CL-III	2,650	2,650	LF	\$110.00		\$291,500.00	\$291,500.00	\$0.00
54	18" CES	13	13	EA	\$1,450.00		\$18,850.00	\$18,850.00	\$0.00
55	24" CES	3	3	EA	\$1,800.00		\$5,400.00	\$5,400.00	\$0.00
56	30" CES	3	3	EA	\$2,700.00		\$8,100.00	\$8,100.00	\$0.00
57	18" Plug	3	3	EA	\$250.00		\$750.00	\$750.00	\$0.00
58	24" Plug	1	1	EA	\$280.00		\$280.00	\$280.00	\$0.00
59	Rip Rap	400	400	TON	\$80.00		\$32,000.00	\$32,000.00	\$0.00
60	Outlet Control Structures	2	2	LS	\$12,000.00		\$24,000.00	\$24,000.00	\$0.00
CO-1	Connect to Existing Structure	1	1	EA	\$1,700.00		\$1,700.00	\$1,700.00	\$0.00
CO-1	24" CMP upgrade to RCP	72	72	LF	\$19.88		\$1,431.36	\$1,431.36	\$0.00
CO-1	24" MES upgrade to CES	2	2	EA	\$346.04		\$692.08	\$692.08	\$0.00
	Subtotal						\$1,313,333.44	\$1,313,333.44	\$0.00
	Earthwork Items								
61	Clearing & Grubbing	1	1	LS	\$500.00	\$500.00	\$500.00	\$500.00	\$0.00
62	Topsoil Stripping	13,000	13,000	CY	\$2.50	\$2.50	\$32,500.00	\$32,500.00	\$0.00
63	Topsoil Respread	13,000	13,000	CY	\$4.00	\$4.00	\$52,000.00	\$52,000.00	\$0.00
64	Excavation/ Embankment	209,232	209,232	CY	\$5.50	\$5.50	\$1,150,776.00	\$1,150,776.00	\$0.00
65	Import Embankment from on-site stockpiles	50,000	50,000	CY	\$8.00	\$8.00	\$400,000.00	\$400,000.00	\$0.00
66	Seeding	58	58	AC	\$1,500.00	\$1,500.00	\$87,000.00	\$87,000.00	\$0.00
67	Erosion Control	1	1	LS	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$0.00
CO-1	Backfill Over-Excavated Pond	30,000	30,000	CY	\$5.50	\$5.50	\$165,000.00	\$165,000.00	\$0.00
	SubTotal						\$1,927,776.00	\$1,927,776.00	\$0.00
	Pavement Items								
68	Subgrade Preparation	50,000	50,000	SY	\$1.50	\$1.50	\$75,000.00	\$75,000.00	\$0.00
69	Type RI Woven Geotextile Fabric	50,000	50,000	SY	\$2.00	\$2.00	\$100,000.00	\$100,000.00	\$0.00
70	Class 5 Aggregate Base (Salvaged)	15,000	16,450	TONS	\$10.00	\$10.00	\$150,000.00	\$164,500.00	\$14,500.00
71	Class 5 Aggregate Base	15,000	13,550	TONS	\$21.00	\$21.00	\$315,000.00	\$284,550.00	(\$30,450.00)
CO-2	Class 5 Aggregate Base - Temp Surfacing	0	1,615	TONS	\$0.00	\$25.08	\$0.00	\$40,504.20	\$40,504.20
	SubTotal						\$640,000.00	\$664,554.20	\$24,554.20
	TOTAL CIVIL CONSTRUCTION						\$5,705,419.34	\$5,781,152.24	\$75,732.90



Change Order Request

Date: January 8, 2015

Change Order #:

Submitted To:

Patrick Samson
Ackerman Estvold Engineering
1907 17th ST. SE
Minot, ND 58701

Submitted By	Job Description			
Jess Kindred	55th ST. Crossing, Minot, ND			
Description:	Qty	UOM	Unit Price	Line Total
Temporary Aggregate Surfacing	1,615	ton	\$22.58	\$36,458.57
Placing Temporary Aggregate Base	1,615	ton	\$2.50	\$4,037.50
			\$0.00	\$0.00
			\$0.00	\$0.00
			\$0.00	\$0.00
			\$0.00	\$0.00
Overall Total				\$40,496.07

Notes:

Accepted By: _____

Date: _____



Work Change Directive/Work Order

*Engineer/Owner
Wagner Project Number/Name
Date:
Work Change Directive Number:*

Ackerman-Listvold
55th Crossing W. Street Utility Imp
October 2, 2014

Description of Added/ Modified Work:

Potholing for 12" Water Main

Submitted By Kalon Wagner		Work Requested By: City of Minot / Ackerman Estvold				
Description Labor:		# Men	Qty.	Units	Rate	Total Hours
SUPERVISOR		1	1.5	HR	\$100.00	\$150.00
LABORER		1	1.5	HR	\$85.00	\$127.50
						\$0.00
						\$0.00
						\$0.00
Description Equipment:		Unit#	Qty.	Units	Unit Price	Total
345 CAT EXCAVATOR W/ OPERATOR			1.5	HR	\$275.00	\$412.50
CAT 930 WHEEL LOADER			0.5	HR	\$150.00	\$75.00
Pickup and Small Tools			1.5	HR	\$25.00	\$37.50
				HR		\$0.00
				hr.		\$0.00
				HR		\$0.00
				HR		\$0.00
Description Materials:		Qty.	Units	Unit Price	Total	
					\$0.00	
					\$0.00	
					\$0.00	
					\$0.00	
					\$0.00	
Description of Items Installed		Qty.	Units	Unit Price	Total	
					\$0.00	
					\$0.00	
					\$0.00	
					\$0.00	
					\$0.00	
Subcontractors		Qty.	Units	Unit Price	Total	
					\$0.00	
					\$0.00	
Misc/Dumpfees/Survey/Q/C Testing/		Qty.	Units	Unit Price	Total	
					\$0.00	
					\$0.00	

Wagner Rep.

Dates:

Owner Name

WATER USE IN AGRICULTURE

White/Owner-Engineer Yellow/Wagner Office RlinkAV@msn.com



Work Change Directive/Work Order

Engineer/Owner	Ackerman, Estyold
Wagner Project Number/Name	North Crossing W. Street Utility Infill
Date:	October 2, 2014
Work Change Directive Number:	6

Description of Added/Modified Work:

Potholing for 12" Water Main

Submitted By: Wagner	Work Requested By: City of Minocqua/Ackerman, Estyold				
Description Labor:	Unit	Qty.	Units	Unit Price	Total
SUPERVISOR	HR	2.5	HR	\$100.00	\$200.00
LABORER	HR	21.7	HR	\$85.00	\$170.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00
Description Equipment:	Unit	Qty.	Units	Unit Price	Total
345 CAT EXCAVATOR W/ OPERATOR	HR	2.5	HR	\$275.00	\$550.00
CAT 930 WHEEL LOADER	HR	0.5	HR	\$150.00	\$75.00
Pickup and Small Tools	HR	2.5	HR	\$25.00	\$50.00
	HR				\$0.00
	HR				\$0.00
	HR				\$0.00
	HR				\$0.00
Description Materials:	Qty.	Units	Unit Price	Total	
				\$0.00	
				\$0.00	
				\$0.00	
				\$0.00	
Description of Items Justified:	Qty.	Units	Unit Price	Total	
				\$0.00	
				\$0.00	
				\$0.00	
				\$0.00	
Subcontractors:	Qty.	Units	Unit Price	Total	
				\$0.00	
				\$0.00	
Misc/Dump fees/Survey/Q/C Testing:	Qty.	Units	Unit Price	Total	
				\$0.00	
				\$0.00	

Wagner Rep.:

MJ

Date: 10/02/14

Owner Rep.:

PJ

Date: 10/02/14



Work Change Directive/Work Order

Engineer/Owner: Michael Ackerman
Wagner Project Number/Name: 602-14
Date: 10/27/14
Work Change Directive Number: 102714-1

Description of Added/Modified Work:

pot hole looking for a 12" water main

Submitted By	Work Requested By: <u>City of Minnetonka Ackerman</u>				
Description Labor:	# Men	Qty.	Units	Rate	Total Hours
Ryan		2	Hr.		
Terry (1hr)		2	Hr.		
Op. and P.		2	Hr.		
			Hr.		
			Hr.		
Description Equipment:	Unit #	Qty.	Units	Unit Price	Total
345 backhoe		2	hr.		
928 G Loader		1/2	Hr.		
Excavator		2	Hr.		
			Hr.		
Description Materials:	Qty.	Units	Unit Price	Total	
Description of Items Installed	Qty.	Units	Unit Price	Total	
Subcontractors	Qty.	Units	Unit Price	Total	
Misc/Dump fees/Survey/Q/C Testing/	Qty.	Units	Unit Price	Total	

Wagner Rep. Terry Hansen Date: 10-27-14 Owner Rep: _____ Date: _____

White/Owner-Engineer Yellow/Wagner Office Pink/Wagner Foreman



Work Change Directive/Work Order

*Engineer/Owner
Wagner Project Number/Name
Date:
Work Change Directive Number:*

Akenman Estvold
14115 55th Street Crossing
October 16, 2014
8

Description of Added/ Modified Work:

Dug up and repaired leak on existing curb stop on 15th Ave. Dug up and repaired leak on existing 8" watermain. Leak detection specialist called out to find leak on existing line.

Wagner Rep. _____ Date: _____ Owner Rep. _____ Date: 07/10/14



550

Work Change Directive/Work Order

Engineer/Owner

Wagner Project Number/Name

Date:

114226/181211

1415 10:00 AM

10/15/14 10:00

Work Change Directive Number:

Description of Added/Modified Work:

On 15th am, we took a survey of the area, the elevation spotcheck will be for higher and lower line.

Submitted By	Work Requested By:				
Description Labor:	# Men	Qty.	Units	Rate	Total Hours
Aug 10th 10 AM	11	15	Hr.		15
Aug 10th 10 AM of demand	11	6	Hr.		6
1st Preliminary Survey 10	1	1	Hr.		
			Hr.		
			Hr.		
Description Equipment:	Unit #	Qty.	Units	Unit Price	Total
100-348	245	5	Hr.		
100-348-200	260	2	Hr.		
			Hr.		
Description Materials:	Qty.	Units	Unit Price	Total	
Q3 2000 GROUT	2				
3" PVC DIA	4				
3" PVC CAST	4				
10075	32				
Description of Items Installed	Qty.	Units	Unit Price	Total	
5000 ft 100%					
Subcontractors	Qty.	Units	Unit Price	Total	
1/11					
Misc/Dump fees/Survey/Q/C Testing/	Qty.	Units	Unit Price	Total	
1/11					

Wagner Rep.

Loyce Ober

Date:

10/15/14

Owner Rep.

D. W. Ober

Date:



Work Change Directive/Work Order

*Engineer/Owner
Wagner Project Number/Name
Date:
Work Change Directive Number:*

Akerman Estvold
14115 55th Street Crossing
October 7, 2014

Description of Added/ Modified Work:

Moving 1" Curbstop 4.5' North

Submitted By		Work Requested By:				
		City of Minot and Ackermann Estvold				
Description Labor:		# Men	Qty.	Units	Rate	Total Hours
SUPERVISOR		1	1.5	HR	\$100.00	\$150.00
LABORER		4	1.5	HR	\$85.00	\$510.00
Description Equipment:		Unit#	Qty.	Units	Unit Price	Total
345 CAT EXCAVATOR W/ OPERATOR			1.5	HR	\$300.00	\$450.00
Pickup and Small Tools			1.5	HR	\$25.00	\$37.50
Description Materials:		Qty.	Units	Unit Price	Total	
1 Curb Stop		1	EA	\$176.60	\$176.60	
1" Copper Line		4.5	LF	\$5.16	\$23.22	
Union		1	EA	\$40.00	\$40.00	
Description of Items Installed		Qty.	Units	Unit Price	Total	
Subcontractors		Qty.	Units	Unit Price	Total	
Misc/Dump Fees/Survey/Q/C Testing		Qty.	Units	Unit Price	Total	
Total: \$1,387.32						

Wagner Rep. _____ Date: _____ Owner Rep. _____ Date: 07/10/14 Total: \$1,387.32



Work Change Directive/Work Order

Engineer/Owner: Architect
Wagner Project Number/Name: _____
Date: 10-1-14
Work Change Directive Number: _____

Description of Added/ Modified Work:

Manually a 1" CUE 15 top 4.5' N
8:00 - 9:30

Submitted By	Work Requested By:				
Description Labor:	# Men	Qty.	Units	Rate	Total Hours
<u>Ackermann Developer</u>	<u>9</u>	<u>1.5</u>	<u>Hr.</u>		
<u>Crew</u>	<u>7</u>	<u>1.5</u>	<u>Hr.</u>		
<u>Op-er-1-1</u>	<u>1</u>	<u>1.5</u>	<u>Hr.</u>		
<u>Op-er-1-2</u>			<u>Hr.</u>		
			<u>Hr.</u>		
Description Equipment:	Unit #	Qty.	Units	Unit Price	Total
<u>345 BH</u>		<u>1.5</u>	<u>Hr.</u>		
<u>P-1-1-1</u>			<u>Hr.</u>		
			<u>Hr.</u>		
Description Materials:	Qty.	Units	Unit Price	Total	
<u>1 CUE 15 top 4.5' 1" CUE 15</u>					
<u>Lubricant</u>					
Description of Items Installed	Qty.	Units	Unit Price	Total	
Subcontractors	Qty.	Units	Unit Price	Total	
Misc/Dump fees/Survey/Q/C Testing/	Qty.	Units	Unit Price	Total	

Wagner Rep. C. P. H. Date: 10-1-14 Owner Rep: _____ Date: _____



Work Change Directive/Work Order

Engineer/Owner
Wagner Project Number/Name
Date:
Work Change Directive Number:

Akerman Estvold
14115 55th Street Crossing
October 23, 2014

Description of Added/Modified Work:

Found abandoned saddle on lot 9A. Saddle was loose and leaking. Tightened saddle and stoved the leak.

Wagner Rep. _____ Date: _____ Owner Rep. _____ Date: 07/10/14



Work Change Directive/Work Order

Engineer/Owner

Wagner Project Number/Name

Date:

Work Change Directive Number:

Description of Added/ Modified Work:

Find Abandoned saddle on lot 9A was loose and leaking fiber saddle and
Stop back 6 hrs

Submitted By:	Work Requested By:				
Description of Labor:	# Men	Qty.	Units	Rate	Total Hours
Dug up north west corner of 47th Loop SE no Block	1 man		Hr.		\$12 hr
Reheated 90° Bend sled out of Bell			Hr.		
5' from 90° Bend Bent copper on the			Hr.		
Seal the Bell 90° Bend and Bell saddle was leaking			Hr.		
Description of Equipment:	Unit H	Qty.	Units	Unit Price	Total
330 Cmt #466			Hr.		12 hr
Pushed Bend into Bell and Block it straighten saddle stopped leak 6hr			Hr.		
			Hr.		
Description of Materials:	Qty.	Units	Unit Price	Total	
Description of Items Installed:	Qty.	Units	Unit Price	Total	
Subcontractors:	Qty.	Units	Unit Price	Total	
Misc/Stamp fees/Survey/Q/C Testing:	Qty.	Units	Unit Price	Total	

Wagner Rep.

Arch. S. L. Z.

Date: 10-23-14 Owner Rep:

P. D. Schubert

Date: 10/23/14

White/Owner-Engineer Yellow/Wagner Office Pink/Wagner Foreman A/E



Work Change Directive/Work Order

Engineer/Owner
Wagner Project Number/Name
Date:
Work Change Directive Number:

Akerman Estuold
14115 55th Street Crossing
October 31, 2014
11

Description of Added/ Modified Works

Digging up water main and checking each joint and saddle for services. Two guys on water main on 10/21, 10/22, 10/23, 10/27, and 10/28. One existing saddle on Lot 8A on Sage Ave. was found to be leaking and repaired on 10/23.

Submitted By	Work Requested By:				
Kalan Wagner					
Description Labor:	# Men	Qty.	Units	Rate	Total Hours
LABORER 10/21	2	5.0	HR	\$85.00	\$850.00
LABORER 10/22	2	8.0	HR	\$85.00	\$1,360.00
LABORER 10/23 <i>CH TL 10</i>	2	7.0	HR	\$85.00	\$1,190.00
LABORER 10/27	2	11.0	HR	\$85.00	\$1,870.00
LABORER 10/28	2	4.0	HR	\$85.00	\$680.00
Description Equipment:	Unit#	Qty.	Units	Unit Price	Total
330 CAT EXCAVATOR W/ OPERATOR		38-28	HR	\$300.00	\$10,500.00
Pickup and Small Tools		38-28	HR	\$25.00	\$875.00
Description Materials:	Qty.	Units	Unit Price	Total	
Description of Items Installed	Qty.	Units	Unit Price	Total	
Subcontractors	Qty.	Units	Unit Price	Total	
Misc/Dump fees/Survey/Q/C Testing/	Qty.	Units	Unit Price	Total	

Date: _____ Owner Rep: _____ Date: 07/10/14

Work Change Directive/Work Order

Engineer/Owner **IRRL, Inc., Atlanta**
Wagner Project Number/Name **529th Subdivision**
Date **08/24/01**
Work Change/Disposition No. **1**

Work Change Directive Number: 100-114

Description of Addititonal Modified Works

Existing doublets on Sage Run were found to be bushy and typical on 10/23/14.

Submitted By	Work Requested By							
Description Labor:		M/Men	Qty.	Units	Rate	Total Hours		
	Charging back to electrical	1/2/09	2	5	16	15		
		1/2/09	2	8	16	32		
		1/23/09	2	7	16	28		
		1/27/09	2	10	16	32		
		1/28/09	2	4	16	16		
Description Equipment:	Unit #	Qty.	Units	Unit Price	Total			
Unit # 229 CAT 330 excavator	229	35	hr		\$5 (35)			
			hr					
			hr					
			hr					
			hr					
			hr					
Description Materials:	Qty.	Units	Unit Price	Total				
Description of Items Installed	Qty.	Units	Unit Price	Total				
Subcontractors	Qty.	Units	Unit Price	Total				
Site/Equipment Survey, O/C Testing	Qty.	Units	Unit Price	Total				

Winter 1977

Wojciech Olszak

DATE 10/5/19 1990

Richard P. M. D.

13411 10/10/1998

White-Oblique-Engulfed-Yellow-Wave-Grid



Work Change Directive/Work Order

<i>Engineer/Owner</i>	Ackerman Estvold
<i>Wagner Project Number/Name</i>	14115 55th Street Crossing
<i>Date:</i>	November 17, 2014
<i>Work Change Directive Number:</i>	12

Description of Added/ Modified Work:

Water Leak Detection

Set up tent for test pump, heaters, water barrel

1967 Rep. Ben Deedrick

Date: _____ Owner Rep: _____

Date: 11/12/14



Work Change Directive/Work Order

*Engineer/Owner
Wagner Project Number/Name
Date;
Work Change Directive Number:*

14115 55th Street Crossing
November 18, 2014
13

Description of Added/ Modified Work:

Leak Detection

Eric Beard leak/dair bubbles at hyd. Excavated tee, valve, hi-max. Loose bolts all around. Was not installed by Wagner. After pressure loss was less but still leaking.

inner Rep: Ben Deedrick Date: 11/18/14 Owner Rep: _____ Date: _____



Work Change Directive/Work Order

Engineer/Owner

Wagner Project Number/Name

Date:

14115 55th Street Crossing

Date:

14

Work Change Directive Number:

4

Description of Added/ Modified Work:

Had to add additional signage to the traffic control due to SJLOUIS working on 55th

Signer Rep: Jess Kindrid Date: 11/18/14 Owner Rep: _____ Date: _____



Work Change Directive/Work Order

<i>Engineer/Owner</i>	
<i>Wagner Project Number/Name</i>	14115 55th Street Crossing
<i>Date:</i>	
<i>Work Change Directive Number:</i>	15

Description of Added/ Modified Work:

Dewatering added length due to Tom's Backflow service not having his ponds completed and allowing us to pump across the road

Submitted By	Work Requested By:				
Description Labor:		# Men	Qty.	Units	Rate
				HR	
				HR	
				HR	
					\$0.00
					\$0.00
					\$0.00
Description Equipment:		Unit#	Qty.	Units	Unit Price
				HR	
					\$0.00
					\$0.00
					\$0.00
					\$0.00
Description Materials:		Qty.	Units	Unit Price	Total
Description of Items Installed		Qty.	Units	Unit Price	Total
Subcontractors		Qty.	Units	Unit Price	Total
Rain For Rent		1	ls	\$41,000.00	\$41,000.00
Misc/Dump fees/Survey/Q/C Testing/		Qty.	Units	Unit Price	Total
					Total: \$41,000.00

Signer Rep: Jess Kindrid Date: 11/18/14 Owner Rep: _____ Date: _____



Work Change Directive/Work Order

<i>Engineer/Owner</i>	
<i>Wagner Project Number/Name</i>	14115 55th Street Crossing
<i>Date:</i>	November 19, 2014
<i>Work Change Directive Number:</i>	16

Description of Added/ Modified Work:

Leak Detection 55th

Blew all the water out of line. Charged with helium gas. Eric searched w/sniffer, possible leak @ other hyd. Excavated, more loose bolts @ tee, GV and JI-Ma was not impressed w/helium method.

Owner Rep: Ben Deedrick Date: 11/19/14 Owner Rep: _____ Date: _____



Work Change Directive/Work Order

Engineer/Owner
Wagner Project Number/Name
Date: November 20, 2014
Work Change Directive Number: 17

Description of Added/Modified Work:

Leak Detection 55th

Excavated Hyd. Ran new 6" C900 From GU to Hyd. Fill w/water pressure test, better but still doesn't hold.

Submitted By	Work Requested By:				
Description Labor:	# Men	Qty.	Units	Rate	Total Hours
Foreman	1	5.50	HR	\$100.00	\$550.00
Operator	2	5.50	HR	\$85.00	\$935.00
Laborer	3	5.50	HR	\$85.00	\$1,402.50
Description Equipment:	Unit#	Qty.	Units	Unit Price	Total
345 Cat Backhoe		5.50	HR	\$275.00	\$1,512.50
930K Loader		5.50	HR	\$150.00	\$825.00
Pickup with Tools		5.50	HR	\$25.00	\$137.50
Job Trailer		5.50	HR	\$12.00	\$66.00
					\$0.00
Description Materials:	Qty.	Units	Unit Price	Total	
6" C900	10	LF			
6" MJ Gasket	1.0	EA			
6" MJ Megalug	1	EA			
			Total:	\$150.00	
Description of Items Installed	Qty.	Units	Unit Price	Total	
Subcontractors	Qty.	Units	Unit Price	Total	
American Leak Detection (Erie)					
Misc/Dump fees/Survey/Q/C Testing/	Qty.	Units	Unit Price	Total	
			Total:	\$5,578.50	

Owner Rep: Ben Deedrick Date: 11/19/14 Owner Rep: Date:



Work Change Directive/Work Order

Requester/Owner	Wagner Project Number/Name: 55-PL-50001/001				
Date:	07/17/94				
Description of Work/Additional Work:					
Add 2 additional feet of 2" pipe to the existing 2" pipe line, and add 1" Epoxy Insulation. Also, one new stand to support the piping and 1" Epoxy Coating on the new stand.					

Substituted by

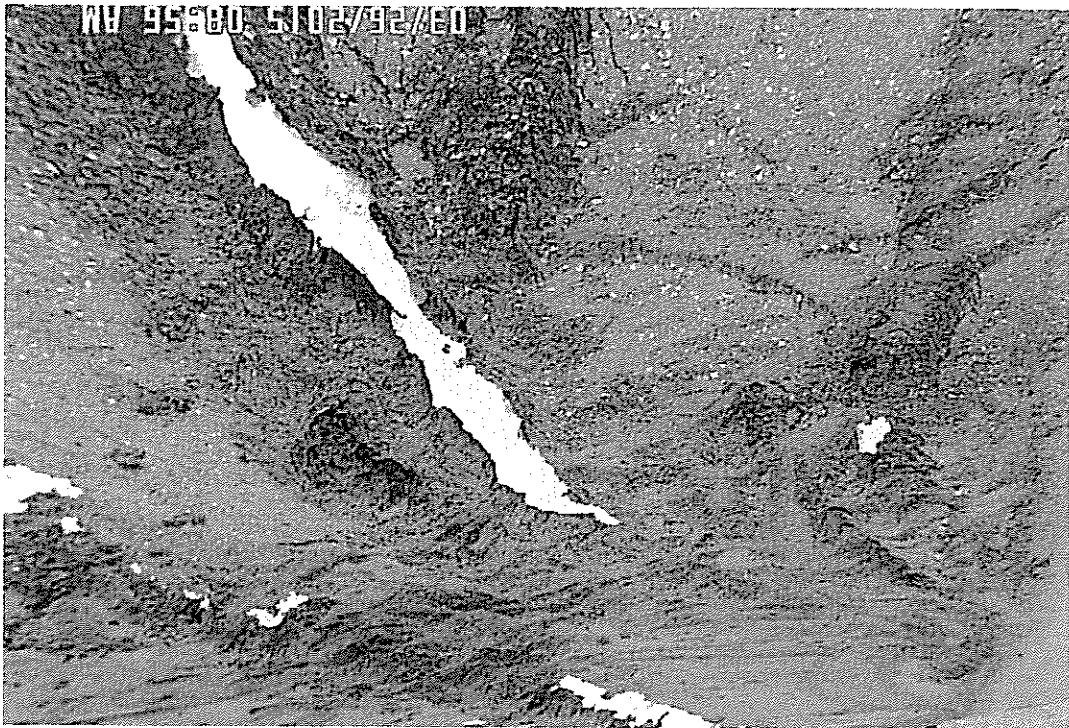
Description of Work		Work Requested by:				
Line No.	Qty.	Unit	Unit Price	Total Value		
1	1	ft	100.00	100.00	100.00	
2	2	ft	100.00	200.00	200.00	
3	1	ft	100.00	100.00	100.00	
4	1	ft	100.00	100.00	100.00	
5	1	ft	100.00	100.00	100.00	
6	1	ft	100.00	100.00	100.00	
7	1	ft	100.00	100.00	100.00	
8	1	ft	100.00	100.00	100.00	
9	1	ft	100.00	100.00	100.00	
10	1	ft	100.00	100.00	100.00	
11	1	ft	100.00	100.00	100.00	
12	1	ft	100.00	100.00	100.00	
13	1	ft	100.00	100.00	100.00	
14	1	ft	100.00	100.00	100.00	
15	1	ft	100.00	100.00	100.00	
16	1	ft	100.00	100.00	100.00	
17	1	ft	100.00	100.00	100.00	
18	1	ft	100.00	100.00	100.00	
19	1	ft	100.00	100.00	100.00	
20	1	ft	100.00	100.00	100.00	
21	1	ft	100.00	100.00	100.00	
22	1	ft	100.00	100.00	100.00	
23	1	ft	100.00	100.00	100.00	
24	1	ft	100.00	100.00	100.00	
25	1	ft	100.00	100.00	100.00	
26	1	ft	100.00	100.00	100.00	
27	1	ft	100.00	100.00	100.00	
28	1	ft	100.00	100.00	100.00	
29	1	ft	100.00	100.00	100.00	
30	1	ft	100.00	100.00	100.00	
31	1	ft	100.00	100.00	100.00	
32	1	ft	100.00	100.00	100.00	
33	1	ft	100.00	100.00	100.00	
34	1	ft	100.00	100.00	100.00	
35	1	ft	100.00	100.00	100.00	
36	1	ft	100.00	100.00	100.00	
37	1	ft	100.00	100.00	100.00	
38	1	ft	100.00	100.00	100.00	
39	1	ft	100.00	100.00	100.00	
40	1	ft	100.00	100.00	100.00	
41	1	ft	100.00	100.00	100.00	
42	1	ft	100.00	100.00	100.00	
43	1	ft	100.00	100.00	100.00	
44	1	ft	100.00	100.00	100.00	
45	1	ft	100.00	100.00	100.00	
46	1	ft	100.00	100.00	100.00	
47	1	ft	100.00	100.00	100.00	
48	1	ft	100.00	100.00	100.00	
49	1	ft	100.00	100.00	100.00	
50	1	ft	100.00	100.00	100.00	
51	1	ft	100.00	100.00	100.00	
52	1	ft	100.00	100.00	100.00	
53	1	ft	100.00	100.00	100.00	
54	1	ft	100.00	100.00	100.00	
55	1	ft	100.00	100.00	100.00	
56	1	ft	100.00	100.00	100.00	
57	1	ft	100.00	100.00	100.00	
58	1	ft	100.00	100.00	100.00	
59	1	ft	100.00	100.00	100.00	
60	1	ft	100.00	100.00	100.00	
61	1	ft	100.00	100.00	100.00	
62	1	ft	100.00	100.00	100.00	
63	1	ft	100.00	100.00	100.00	
64	1	ft	100.00	100.00	100.00	
65	1	ft	100.00	100.00	100.00	
66	1	ft	100.00	100.00	100.00	
67	1	ft	100.00	100.00	100.00	
68	1	ft	100.00	100.00	100.00	
69	1	ft	100.00	100.00	100.00	
70	1	ft	100.00	100.00	100.00	
71	1	ft	100.00	100.00	100.00	
72	1	ft	100.00	100.00	100.00	
73	1	ft	100.00	100.00	100.00	
74	1	ft	100.00	100.00	100.00	
75	1	ft	100.00	100.00	100.00	
76	1	ft	100.00	100.00	100.00	
77	1	ft	100.00	100.00	100.00	
78	1	ft	100.00	100.00	100.00	
79	1	ft	100.00	100.00	100.00	
80	1	ft	100.00	100.00	100.00	
81	1	ft	100.00	100.00	100.00	
82	1	ft	100.00	100.00	100.00	
83	1	ft	100.00	100.00	100.00	
84	1	ft	100.00	100.00	100.00	
85	1	ft	100.00	100.00	100.00	
86	1	ft	100.00	100.00	100.00	
87	1	ft	100.00	100.00	100.00	
88	1	ft	100.00	100.00	100.00	
89	1	ft	100.00	100.00	100.00	
90	1	ft	100.00	100.00	100.00	
91	1	ft	100.00	100.00	100.00	
92	1	ft	100.00	100.00	100.00	
93	1	ft	100.00	100.00	100.00	
94	1	ft	100.00	100.00	100.00	
95	1	ft	100.00	100.00	100.00	
96	1	ft	100.00	100.00	100.00	
97	1	ft	100.00	100.00	100.00	
98	1	ft	100.00	100.00	100.00	
99	1	ft	100.00	100.00	100.00	
100	1	ft	100.00	100.00	100.00	
101	1	ft	100.00	100.00	100.00	
102	1	ft	100.00	100.00	100.00	
103	1	ft	100.00	100.00	100.00	
104	1	ft	100.00	100.00	100.00	
105	1	ft	100.00	100.00	100.00	
106	1	ft	100.00	100.00	100.00	
107	1	ft	100.00	100.00	100.00	
108	1	ft	100.00	100.00	100.00	
109	1	ft	100.00	100.00	100.00	
110	1	ft	100.00	100.00	100.00	
111	1	ft	100.00	100.00	100.00	
112	1	ft	100.00	100.00	100.00	
113	1	ft	100.00	100.00	100.00	
114	1	ft	100.00	100.00	100.00	
115	1	ft	100.00	100.00	100.00	
116	1	ft	100.00	100.00	100.00	
117	1	ft	100.00	100.00	100.00	
118	1	ft	100.00	100.00	100.00	
119	1	ft	100.00	100.00	100.00	
120	1	ft	100.00	100.00	100.00	
121	1	ft	100.00	100.00	100.00	
122	1	ft	100.00	100.00	100.00	
123	1	ft	100.00	100.00	100.00	
124	1	ft	100.00	100.00	100.00	
125	1	ft	100.00	100.00	100.00	
126	1	ft	100.00	100.00	100.00	
127	1	ft	100.00	100.00	100.00	
128	1	ft	100.00	100.00	100.00	
129	1	ft	100.00	100.00	100.00	
130	1	ft	100.00	100.00	100.00	
131	1	ft	100.00	100.00	100.00	
132	1	ft	100.00	100.00	100.00	
133	1	ft	100.00	100.00	100.00	
134	1	ft	100.00	100.00	100.00	
135	1	ft	100.00	100.00	100.00	
136	1	ft	100.00	100.00	100.00	
137	1	ft	100.00	100.00	100.00	
138	1	ft	100.00	100.00	100.00	
139	1	ft	100.00	100.00	100.00	
140	1	ft	100.00	100.00	100.00	
141	1	ft	100.00	100.00	100.00	
142	1	ft	100.00	100.00	100.00	
143	1	ft	100.00	100.00	100.00	
144	1	ft	100.00	100.00	100.00	
145	1	ft	100.00	100.00	100.00	
146	1	ft	100.00	100.00	100.00	
147	1	ft	100.00	100.00	100.00	
148	1	ft	100.00	100.00	100.00	
149	1	ft	100.00	100.00	100.00	
150	1	ft	100.00	100.00	100.00	
151	1	ft	100.00	100.00	100.00	
152	1	ft	100.00	100.00	100.00	
153	1	ft	100.00	100.00	100.00	
154	1	ft	100.00	100.00	100.00	
155	1	ft	100.00	100.00	100.00	
156	1	ft	100.00	100.00	100.00	
157	1	ft	100.00	100.00	100.00	
158	1	ft	100.00	100.00	100.00	
159	1	ft	100.00	100.00	100.00	
160	1	ft	100.00	100.00	100.00	
161	1	ft	100.00	100.00	100.00	
162	1	ft	100.00	100.00	100.00	
163	1	ft	100.00	100.00	100.00	
164	1	ft	100.00	100.00	100.00	
165	1	ft	100.00	100.00	100.00	
166	1	ft	100.00	100.00	100.00	
167	1	ft	100.00	100.00	100.00	
168	1	ft	100.00	100.00	100.00	
169	1	ft	100.00	100.00	100.00	
170	1	ft	100.00	100.00	100.00	
171	1	ft	100.00	100.00	100.00	
172	1	ft	100.00	100.00	100.00	
173	1	ft	100.00	100.00	100.00	
174	1	ft	100.00	100.00	100.00	
175	1	ft	100.00	100.00	100.00	
176	1	ft	100.00	100.00	100.00	
177	1	ft	100.00	100.00	100.00	
178	1	ft	100.00	100.00	100.00	
179	1	ft	100.00	100.00	100.00	
180	1	ft	100.00	100.00	100.00	
181	1	ft	100.00	100.00	100.00	
182	1	ft	100.00	100.00	100.00	
183	1	ft	100.00	100.00	100.00	
184	1	ft	100.00	100.00	100.00	
185	1	ft	100.00	100.00	100.00	
186	1	ft	100.00	100.00	100.00	
187	1	ft	100.00	100.00	100.00	
188	1	ft	100.00	100.00	100.00	
189	1	ft				



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