

June 19, 2017

City of West Fargo
800 4th Avenue East
West Fargo, ND 58078

RE: Street Improvement District No. 2241
5th Street West Extension to 27th Ave W
West Fargo, ND

WHEREAS, bids have been opened for Street Improvement District No. 2241 of the City of West Fargo, North Dakota and;

WHEREAS, an estimate of the cost of work is required by the Engineer for the City of West Fargo, North Dakota;

NOW, THEREFORE, I, Dustin Scott, do hereby certify as follows:

That I am the City Engineer for the City of West Fargo, North Dakota;

That the following is a careful and detailed statement of the estimated cost of the work in said Street Improvement District No. 2241 of the City of West Fargo, North Dakota.

IN WITNESS WHEREOF, I have set my hand and seal this 19th day of JUNE, 2017.

DUSTIN SCOTT
ND REG. NO. 6257



Engineer for the City of West Fargo, ND

**Street Improvement District No. 2241
5th Street West Extension to 27th Ave W
West Fargo ND**

ENGINEER'S STATEMENT OF ESTIMATED COST

<i>BID ITEM NO. & DESCRIPTION</i>	<i>UNIT</i>	<i>ESTIMATED QUANTITY</i>	<i>BID UNIT PRICE</i>	<i>BID PRICE</i>
<u>Sanitary Sewer Items</u>				
1. Sanitary Sewer Manhole - Adjust Existing	Each	1	\$500.00	\$500.00
2. Sanitary Sewer Manhole - Adjust Existing Special	Each	1	\$1,000.00	\$1,000.00
3. External Manhole Chimney Seal	Each	2	\$280.00	\$560.00
<u>Water Main Items</u>				
1. Tapping Sleeve & Valve - 8" x 8"	Each	1	\$5,000.00	\$5,000.00
2. Tapping Sleeve & Valve - 16" x 10"	Each	1	\$6,000.00	\$6,000.00
3. Water Main - Connect To Existing	Each	1	\$1,000.00	\$1,000.00
4. Water Main - 8" PVC C900	LF	66	\$35.00	\$2,310.00
5. Water Main - 10" PVC C900	LF	567	\$35.00	\$19,845.00
6. Specials	Lbs	580	\$2.00	\$1,160.00
7. Gate Valve & Box - 10"	Each	2	\$2,050.00	\$4,100.00
8. Hydrant - 10'	Each	1	\$4,300.00	\$4,300.00
9. Hydrant Lead - 6" PVC C900	LF	10	\$25.00	\$250.00
<u>Storm Sewer Items</u>				
1. Storm Sewer - 4" Perforated PVC - Connect To Existing	Each	2	\$25.00	\$50.00
2. Storm Sewer - 4" Perforated PVC	LF	1,286	\$4.00	\$5,144.00
3. Storm Sewer - Connect To Existing	Each	2	\$500.00	\$1,000.00
4. Storm Sewer - 12" PP	LF	41	\$37.00	\$1,517.00
5. Storm Sewer - 15" RCP	LF	93	\$37.00	\$3,441.00
6. Storm Sewer - 24" RCP	LF	50	\$44.00	\$2,200.00
7. Storm Sewer - 66" RCP	LF	0	\$0.00	\$0.00
8. Storm Sewer Plug	Each	1	\$175.00	\$175.00
9. Storm Sewer Manhole - 48"	Each	3	\$2,700.00	\$8,100.00
10. Storm Sewer Manhole - 60"	Each	1	\$3,500.00	\$3,500.00
11. Storm Sewer Manhole - 108"	Each	0	\$0.00	\$0.00
12. Storm Sewer Control Structure	Each	1	\$32,000.00	\$32,000.00
13. Storm Sewer Catch Basin - 2' x 3'	Each	0	\$0.00	\$0.00
14. Storm Sewer Catch Basin - 30"	Each	1	\$1,300.00	\$1,300.00
15. External Manhole Chimney Seal	Each	7	\$0.01	\$0.07
16. Flared End Section - Remove	Each	1	\$200.00	\$200.00
17. Flared End Section - Remove & Reset	Each	1	\$300.00	\$300.00
18. End Section - 15" RCP Flared	Each	1	\$500.00	\$500.00
19. End Section - 66" RCP Flared	Each	0	\$0.00	\$0.00
20. Riprap & Fabric - 18" Class III	CY	17	\$100.00	\$1,700.00
21. Storm Sewer - 54" RCP	LF	213	\$150.00	\$31,950.00
22. End Section - 54" RCP Flared	Each	1	\$2,550.00	\$2,550.00
23. Storm Sewer - 15" PP	LF	163	\$29.00	\$4,727.00
<u>Roadway Items</u>				
1. Excavation - Unclassified	CY	249	\$3.00	\$747.00
2. Embankment	CY	249	\$2.00	\$498.00
3. Clay Borrow - Unsecured	CY	8,148	\$7.50	\$61,110.00
4. Subgrade Preparation	SY	2,858	\$1.00	\$2,858.00
5. Reinforcement Fabric	SY	2,858	\$1.70	\$4,858.60
6. Gravel - 9" NDDOT Class 5	CY	762	\$32.00	\$24,384.00

<i>BID ITEM NO. & DESCRIPTION</i>	<i>UNIT</i>	<i>ESTIMATED QUANTITY</i>	<i>BID UNIT PRICE</i>	<i>BID PRICE</i>
7. Curb & Gutter - Saw Full Depth	LF	5	\$5.00	\$25.00
8. Curb & Gutter - Remove	LF	21	\$8.00	\$168.00
9. Curb & Gutter - Connect To Existing	Each	2	\$25.00	\$50.00
10. Curb & Gutter - Highback Inflow	LF	1,123	\$15.00	\$16,845.00
11. Curb & Gutter - Mountable Inflow	LF	0	\$0.00	\$0.00
12. Curb & Gutter - Knockdown	LF	62	\$17.00	\$1,054.00
13. Asphalt Pavement - Saw Full Depth	LF	134	\$5.00	\$670.00
14. Asphalt Pavement - Remove	SY	21	\$10.00	\$210.00
15. Asphalt Wear Course - 2"	SY	2,419	\$7.15	\$17,295.85
16. Asphalt Base Course - 3.5"	SY	2,419	\$12.45	\$30,116.55
17. Tack Coat	Gal	121	\$2.00	\$242.00
18. Concrete Pavement - Saw Full Depth	LF	41	\$7.00	\$287.00
19. Concrete Pavement - Remove	SY	434	\$8.00	\$3,472.00
20. Concrete Pavement - Connect To Existing	Each	3	\$200.00	\$600.00
21. Sidewalk - Saw Full Depth	LF	11	\$5.00	\$55.00
22. Sidewalk - Connect To Existing	Each	2	\$25.00	\$50.00
23. Sidewalk - 4" Concrete	SY	578	\$36.00	\$20,808.00
24. Driveway - Concrete - Saw Full Depth	LF	89	\$5.00	\$445.00
25. Driveway - Concrete - Remove	SY	390	\$7.00	\$2,730.00
26. Driveway - Connect To Existing	Each	1	\$200.00	\$200.00
27. Driveway - 6" Concrete	SY	67	\$40.00	\$2,680.00
28. Driveway - 8" Concrete	SY	360	\$50.00	\$18,000.00
29. Sign Anchor - In Ground	Each	6	\$40.00	\$240.00
30. Sign Post	LF	50	\$9.80	\$490.00
31. Signing - Standard	SF	14	\$20.00	\$280.00
32. Signing - 9"	LF	6	\$30.00	\$180.00
33. Message - White Grooved Plastic	SF	64	\$24.00	\$1,536.00
34. Striping - 4" Yellow Grooved Plastic	LF	368	\$4.50	\$1,656.00
35. Striping - 8" White Grooved Plastic	LF	86	\$8.50	\$731.00
36. Striping - 24" White Grooved Plastic	LF	23	\$28.00	\$644.00
37. Street Patch - Concrete Surface	SY	23	\$100.00	\$2,300.00
38. Curb Ramp - 6" Concrete	SY	11	\$60.00	\$660.00
39. Detectable Warning Panel	SF	20	\$40.00	\$800.00
<u>Pond Items</u>				
1. Erosion Control Blanket - Straw	SY	575	\$2.00	\$1,150.00
2. Temporary Pumping	LSum	1	\$100.00	\$100.00
3. Temporary Cofferdam	LSum	1	\$2,000.00	\$2,000.00
4. Pond - Refill	LSum	1	\$500.00	\$500.00
<u>General Items</u>				
1. Cleaning	LSum	1	\$1,000.00	\$1,000.00
2. Storm Water Management	LSum	1	\$1,000.00	\$1,000.00
3. Traffic Control	LSum	1	\$1,200.00	\$1,200.00
4. Mowing	Acre	2	\$100.00	\$160.00
5. Watering	Each	6	\$100.00	\$600.00
6. Excavation - 6" Topsoil Stripping	CY	1,570	\$1.00	\$1,570.00
7. Topsoil Replacement - 4"	CY	860	\$4.00	\$3,440.00
8. Rear Yard Grading	SY	854	\$1.50	\$1,281.00
9. Inlet Protection Device	Each	6	\$100.00	\$600.00
10. Rock Check	Each	3	\$400.00	\$1,200.00
11. Sedimentation Control Wattle - 9"	LF	45	\$5.00	\$225.00
12. Stabilized Construction Entrance	Each	1	\$800.00	\$800.00
13. Seeding - Type II	Acre	2	\$1,000.00	\$1,600.00

<i>BID ITEM NO. & DESCRIPTION</i>	<i>UNIT</i>	<i>ESTIMATED QUANTITY</i>	<i>BID UNIT PRICE</i>	<i>BID PRICE</i>
14. Mulch - Type B - Hydromulch	Acre	1	\$1,500.00	\$900.00
15. Mulch - Type A - Permanent Straw	Acre	1	\$450.00	\$405.00
16. Mulch - Type A - Temporary Straw	Acre	2	\$350.00	\$735.00
17. Temporary Access	LSum	1	\$250.00	\$250.00
18. Tree - Remove & Reset	Each	20	\$250.00	\$5,000.00
19. Topsoil Replacement	CY	747	\$2.00	\$1,494.00
<u>Electrical Items</u>				
1. Conductor - #6 USE/Cu.	LF	1,710	\$1.50	\$2,565.00
2. Tracer Wire - #12	LF	570	\$0.50	\$285.00
3. Innerduct - 1.5" PVC	LF	570	\$5.00	\$2,850.00
4. Concrete Base - 5'	Each	4	\$600.00	\$2,400.00
5. Light Standard - Single LED and 14' Post	Each	4	\$2,175.00	\$8,700.00
ALTERNATE A - CLAY FILL				
<u>Roadway Items</u>				
1. Clay Borrow - Unsecured	CY	3,128	\$8.00	\$25,024.00

Construction Subtotal	\$435,389.07
Contingencies	\$43,539.03
Total Construction	\$478,928.10
Engineering	\$52,682.09
Legal & Administration	\$47,892.81
Bond Discount	\$20,000.00
TOTAL COST	\$599,503.00