

February 22, 2018

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

RE: Sewer, Water, Storm and Street Improvement District No. 1314
Eagle Run Plaza 6th Addition
West Fargo, ND

WHEREAS, bids have been opened for Sewer, Water, Storm and Street Improvement District No. 1314 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 Sewer, Water, Storm and Street Improvement District No. 1314 of the City of West Fargo, North Dakota.

IN WITNESS WHEREOF, I have set my hand and seal this 19th day of February, 2018.

DUSTIN SCOTT
ND REG. NO. 6257



Engineer for the City of West Fargo, ND

**Sewer, Water, Storm and Street Improvement District No. 1314
Eagle Run Plaza 6th Addition
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 - Connect To Existing	Each	2	\$620.00	\$1,240.00
2. Sanitary Sewer - 8" PVC SDR 35	LF	881	\$25.75	\$22,685.75
3. Sanitary Sewer Manhole - Connect To Existing	Each	1	\$1,545.00	\$1,545.00
4. Sanitary Sewer Manhole - 48"	Each	5	\$3,915.00	\$19,575.00
5. Sanitary Sewer Manhole - Adjust Existing	Each	2	\$265.00	\$530.00
6. External Manhole Chimney Seal	Each	5	\$300.00	\$1,500.00
7. Sanitary Sewer Service Connection - 6" PVC SDR 26	Each	5	\$400.00	\$2,000.00
8. Sanitary Sewer Service - 6" PVC SDR 26	LF	141	\$21.50	\$3,031.50
9. Televising - Sanitary Sewer Main	LF	881	\$1.65	\$1,453.65
10. Televising - Sanitary Sewer Service	Each	5	\$82.50	\$412.50
<u>Water Main Items</u>				
1. Tapping Sleeve & Valve - 16" x 8"	Each	1	\$4,120.00	\$4,120.00
2. Water Main - Remove	LF	12	\$6.25	\$75.00
3. Water Main - Connect To Existing	Each	2	\$205.00	\$410.00
4. Water Main - 8" PVC C900	LF	431	\$24.75	\$10,667.25
5. Specials	Lbs	964	\$3.60	\$3,470.40
6. Gate Valve & Box - 6"	Each	5	\$1,235.00	\$6,175.00
7. Gate Valve & Box - 8"	Each	3	\$1,650.00	\$4,950.00
8. Hydrant - 11'	Each	1	\$4,070.00	\$4,070.00
9. Hydrant Lead - 6" PVC C900	LF	8	\$21.65	\$173.20
10. Water Service Line - 6" PVC C900	LF	55	\$21.65	\$1,190.75
<u>Storm Sewer Items</u>				
1. Storm Sewer - Remove	LF	28	\$6.20	\$173.60
2. Storm Sewer - 4" Perforated PVC - Connect To Existing	Each	18	\$50.00	\$900.00
3. Storm Sewer - 4" Perforated PVC - Remove	LF	576	\$1.00	\$576.00
4. Storm Sewer - 4" Perforated PVC	LF	1,032	\$8.00	\$8,256.00
5. Storm Sewer - Connect To Existing	Each	3	\$670.00	\$2,010.00
6. Storm Sewer - 12" PVC SDR 26	LF	43	\$19.50	\$838.50
7. Gate Valve & Box - 12"	Each	2	\$2,780.00	\$5,560.00
8. Storm Sewer - 12" RCP	LF	377	\$20.60	\$7,766.20
9. Storm Sewer - 15" RCP	LF	402	\$26.75	\$10,753.50
10. Storm Sewer - 18" RCP	LF	656	\$31.00	\$20,336.00
11. Storm Sewer - 21" RCP	LF	358	\$34.00	\$12,172.00
12. Storm Sewer - 27" RCP	LF	25	\$51.50	\$1,287.50
13. Storm Sewer Plug	Each	11	\$170.00	\$1,870.00
14. Storm Sewer Manhole - 48"	Each	15	\$2,010.00	\$30,150.00
15. Storm Sewer Manhole - 60"	Each	1	\$3,700.00	\$3,700.00
16. Storm Sewer Catch Basin - Connect To Existing	Each	1	\$540.00	\$540.00
17. Storm Sewer Catch Basin - 2' x 3'	Each	2	\$1,850.00	\$3,700.00
18. Storm Sewer Catch Basin - Adjust Existing	Each	2	\$490.00	\$980.00
19. Storm Sewer Catch Basin - Adjust Existing Special	Each	2	\$875.00	\$1,750.00
20. External Manhole Chimney Seal	Each	18	\$300.00	\$5,400.00
21. Temporary Pumping	LSum	1	\$515.00	\$515.00
22. Culvert - 12" CMP	LF	80	\$25.00	\$2,000.00

<i>BID ITEM NO. & DESCRIPTION</i>	<i>UNIT</i>	<i>ESTIMATED QUANTITY</i>	<i>BID UNIT PRICE</i>	<i>BID PRICE</i>
23. End Section - 12" CMP Flared	Each	4	\$190.00	\$760.00
<u>Roadway Items</u>				
1. Excavation - Unclassified	CY	4,523	\$3.35	\$15,152.05
2. Excavation - Unclassified Export	CY	4,414	\$3.95	\$17,435.30
3. Embankment	CY	109	\$2.80	\$305.20
4. Subgrade Preparation	SY	5,485	\$1.40	\$7,679.00
5. Reinforcement Fabric	SY	5,485	\$1.40	\$7,679.00
6. Gravel - 6" NDDOT Class 5	CY	915	\$37.65	\$34,449.75
7. Curb & Gutter - Saw Full Depth	LF	621	\$2.50	\$1,552.50
8. Curb & Gutter - Remove	LF	576	\$4.85	\$2,793.60
9. Curb & Gutter - Connect To Existing	Each	18	\$60.00	\$1,080.00
10. Curb & Gutter - Highback Inflow	LF	369	\$18.50	\$6,826.50
11. Curb & Gutter - Highback Outflow	LF	2,093	\$18.50	\$38,720.50
12. Curb & Gutter - Mountable Inflow	LF	231	\$22.50	\$5,197.50
13. Curb & Gutter - Knockdown	LF	597	\$22.50	\$13,432.50
14. Concrete Pavement - Connect To Existing	Each	5	\$186.68	\$933.40
15. Concrete Pavement - 6" Non-Reinforced	SY	4,236	\$45.85	\$194,220.60
16. Concrete Pavement - 6" Non-Reinforced Stamped & Colored	SY	122	\$79.50	\$9,699.00
17. Sidewalk - Saw Full Depth	LF	10	\$6.50	\$65.00
18. Sidewalk - Connect To Existing	Each	3	\$60.00	\$180.00
19. Sidewalk - 4" Concrete	SY	1,026	\$42.50	\$43,605.00
20. Curb Ramp - 6" Concrete	SY	68	\$82.50	\$5,610.00
21. Detectable Warning Panel	SF	134	\$40.00	\$5,360.00
22. Decorative Colored Concrete - Boulevard	SY	17	\$95.00	\$1,615.00
23. Driveway - 7" Concrete	SY	280	\$62.50	\$17,500.00
24. Sign - Remove	Each	3	\$25.75	\$77.25
25. Sign - Remove & Reset	Each	3	\$51.50	\$154.50
26. Sign & Sign Post - Remove & Reset	Each	4	\$77.25	\$309.00
27. Sign Anchor - In Ground	Each	30	\$25.75	\$772.50
28. Sign Post	LF	281	\$10.30	\$2,894.30
29. Signing - Standard	SF	104	\$20.60	\$2,142.40
30. Flexible Delineator	Each	6	\$82.40	\$494.40
31. Flexible Delineator - Spare	Each	2	\$61.80	\$123.60
32. Message - White Grooved Plastic	SF	72	\$33.35	\$2,401.20
33. Message - Blue Grooved Plastic	SF	90	\$37.65	\$3,388.50
34. Striping - 4" White Grooved Plastic	LF	998	\$5.75	\$5,738.50
35. Striping - 4" Yellow Grooved Plastic	LF	3,084	\$5.75	\$17,733.00
36. Striping - 4" Blue Grooved Plastic	LF	390	\$6.20	\$2,418.00
37. Striping - 8" White Grooved Plastic	LF	133	\$11.35	\$1,509.55
38. Striping - 24" White Grooved Plastic	LF	48	\$30.50	\$1,464.00
<u>General Items</u>				
1. Cleaning	LSum	1	\$1,600.00	\$1,600.00
2. Storm Water Management	LSum	1	\$2,125.00	\$2,125.00
3. Traffic Control	LSum	1	\$1,690.00	\$1,690.00
4. Mowing	Acre	2	\$62.50	\$137.50
5. Watering	Each	6	\$105.00	\$630.00
6. Excavation - 6" Topsoil Stripping	CY	2,502	\$3.30	\$8,256.60
7. Excavation - Topsoil Export	CY	1,588	\$6.00	\$9,528.00
8. Topsoil Replacement - 4"	CY	914	\$8.65	\$7,906.10
9. Inlet Protection Device	Each	14	\$110.00	\$1,540.00
10. Sedimentation Control Wattle - 9"	LF	65	\$2.60	\$169.00
11. Stabilized Construction Entrance	Each	2	\$850.00	\$1,700.00

<i>BID ITEM NO. & DESCRIPTION</i>	<i>UNIT</i>	<i>ESTIMATED QUANTITY</i>	<i>BID UNIT PRICE</i>	<i>BID PRICE</i>
12. Seeding - Type II	Acre	2	\$750.00	\$1,650.00
13. Mulch - Type B - Hydromulch	Acre	1	\$1,650.00	\$2,145.00
14. Mulch - Type A - Permanent Straw	Acre	1	\$300.00	\$330.00
15. Mulch - Type A - Temporary Straw	Acre	7	\$290.00	\$1,972.00
Electrical Items				
1. Conductor - #6 USE/Cu.	LF	3,120	\$1.40	\$4,368.00
2. Tracer Wire - #12	LF	1,040	\$0.35	\$364.00
3. Innerduct - 1.5" PVC	LF	1,040	\$3.40	\$3,536.00
7. Light Standard - Remove	Each	1	\$490.00	\$490.00
8. Light Standard - Remove & Reset	Each	1	\$775.00	\$775.00
ALTERNATE A - STANDARD LIGHTS	0	0	\$0.00	\$0.00
1. Concrete Base - 5'	Each	7	\$390.00	\$2,730.00
2. Light Standard - Single LED and 14' Post	Each	7	\$2,400.00	\$16,800.00
3. Spare Light Standard - Single LED and 14' Post	Each	1	\$2,050.00	\$2,050.00

Construction Subtotal	\$756,473.60
Contingencies	\$75,647.40
Total Construction	\$832,121.00
Engineering	\$91,533.31
Legal & Administration	\$83,212.10
Bond Discount	\$35,000.00
TOTAL COST	\$1,041,867.00