



## STANLEY INFRASTRUCTURE & PUBLIC FACILITY PROJECTS

EAST SIDE TRUNK WATER TRANSMISSION PIPING	\$600,000 - COMPLETED
COUNTRY MEADOWS STREET & LIGHTING IMPROVEMENTS	\$578,448.32 – CITY CONTRIBUTED 20% - \$115,689.66 - COMPLETED
JOHN RIAN STREET LIGHTING IN AUGUST WITH CONSTRUCTION TO BEGIN SPRING OF 2016	\$577,074 – CITY WILL CONTRIBUTE 20% - \$115,414.80 - BID ACCEPTED
STREET RECONSTRUCTION & UTILITY IMPROVEMENTS – DIST. 48 (NORTHEAST PART OF CITY) - \$1.6 MILLION	\$5.8 MILLION – CITY WILL CONTRIBUTE 20% -
AIRPORT STORM SEWER IMPROVEMENTS	\$700,000 – DESIGN COMPLETE WILL BID IN FEB. 2016
PUBLIC WORKS BUILDING	\$2.5 MILLION - CONSTRUCTION IN PROGRESS
WESTVIEW PLAZA FRONTAGE ROAD & WATERMAIN EXTENSION	\$2,864,451 – CITY CONTRIBUTING \$800,000
STANLEY PARK DISTRICT – PURCHASE OF LAND FOR NEW BASEBALL & SOFTBALL FIELDS	\$465,600 – CITY CONTRIBUTING \$233,000
8 <sup>TH</sup> AVENUE SW EXTENSION	\$494,877 – CONSTRUCTION IN PROGRESS
RESERVOIR ROAD (REBUILD AND PAVE)	\$800,000 (DESIGN AND BID IN FEB. 2016)
ELEMENTARY SCHOOL WATERMAIN RELOCATE	\$96,275 – CONSTRUCTION IN PROGRESS
<b>TOTAL OF ABOVE IMPROVEMENTS:</b>	<b>\$8,055,256.46</b>

TOTAL SURGE FUNDS RECEIVED - \$6,627,272.73

Engineer's Opinion of Probable Costs  
Westview Frontage Road Extension  
Stanley, North Dakota

Item No.	Description	Unit	Quantity	Unit Price	Subtotal
<b>General Items</b>					
1	General Conditions/ Mobilization / Contract Bond	1	LS	\$ 55,000.00	\$55,000.00
2	Clearing and Grubbing	1	LS	\$ 5,000.00	\$5,000.00
3	Remove / Salvage / Stockpile / Respread Topsoil	4200	CY	\$ 8.00	\$33,600.00
4	Pothole Utilities	1	LS	\$ 3,500.00	\$3,500.00
5	Saw Cut Asphalt - Full Depth	290	LF	\$ 2.50	\$725.00
6	Asphalt Removal	65	SY	\$ 12.00	\$780.00
7	Work Zone Traffic Control	1	LS	\$ 2,500.00	\$2,500.00
8	Material Testing	1	LS	\$ 12,500.00	\$12,500.00
9	Erosion Control	1	LS	\$ 8,700.00	\$8,700.00
				<b>Subtotal</b>	<b>\$122,305.00</b>
<b>Roadway Items</b>					
10	Excavation	35000	CY	\$ 6.50	\$227,500.00
11	Subgrade Prep	15000	SY	\$ 2.25	\$33,750.00
12	Geotextile Fabric - Type R1	15000	SY	\$ 2.75	\$41,250.00
13	Cl.5 Aggregate Base	8400	Ton	\$ 23.00	\$193,200.00
14	Cl.29 Hot Bituminous Pavement - 5"	3400	Ton	\$ 85.00	\$289,000.00
15	PG58-28 Asphalt Cement - 6% by weight	205	Ton	\$ 700.00	\$143,500.00
16	Seeding	4	Acre	\$ 2,500.00	\$10,000.00
17	Permanent Traffic Control Signage	1	LS	\$ 3,500.00	\$3,500.00
18	24" CL.III RCP Crossing Culverts	240	LF	\$ 90.00	\$21,600.00
19	24" CL.II RCES	8	EA	\$ 2,500.00	\$20,000.00
				<b>Subtotal</b>	<b>\$983,300.00</b>
<b>Water Items</b>					
20	Connect to Existing 12" Water Main	1	EA	\$ 2,600.00	\$2,600.00
21	12" C900 PVC Water Main	2700	LF	\$ 73.00	\$197,100.00
22	12"x12"x8" DI Tee	5	EA	\$ 1,100.00	\$5,500.00
23	12" Gate Valve & Box	9	EA	\$ 4,200.00	\$37,800.00
24	12" DI Cross	1	EA	\$ 1,500.00	\$1,500.00
25	12" DI Bend	2	EA	\$ 950.00	\$1,900.00
26	12" Plug	3	EA	\$ 725.00	\$2,175.00
27	8" C900 PVC Water Main	250	LF	\$ 57.00	\$14,250.00
28	8" Gate Valve & Box	5	EA	\$ 2,800.00	\$14,000.00
29	8" Plug	5	EA	\$ 600.00	\$3,000.00
30	6" C900 PVC Water Main	240	LF	\$ 53.00	\$12,720.00
31	8"x6" DI Tee	6	EA	\$ 650.00	\$3,900.00
32	6" Gate Valve & Box	6	EA	\$ 2,350.00	\$14,100.00
33	5" Fire Hydrant	6	EA	\$ 4,600.00	\$27,600.00
34	2" Domestic Water Service - Complete (saddle/waterline/curb stop/plug)	13	EA	\$ 2,750.00	\$35,750.00
35	6" Fire Service - Complete (DI Tee/Gate Valve/Water Main/Plug)	13	EA	\$ 5,750.00	\$74,750.00
				<b>Subtotal</b>	<b>\$448,645.00</b>
<b>Sanitary Sewer Items</b>					
36	Connect to Existing Sanitary Manhole	1	EA	\$ 1,500.00	\$1,500.00
37	8" PVC SDR35 Sanitary Sewer	2600	LF	\$ 58.00	\$150,800.00
38	4" PVC Sanitary Sewer Service - Complete	13	EA	\$ 1,100.00	\$14,300.00
39	48" Eccentric Manhole - Complete	8	EA	\$ 4,800.00	\$38,400.00
				<b>Subtotal</b>	<b>\$205,000.00</b>
<b>Storm Sewer Items - South Easement</b>					
40	Connect to Existing Storm Manhole	1	EA	\$ 1,750.00	\$1,750.00
41	24" HDPE Storm Sewer	2450	LF	\$ 85.00	\$208,250.00
42	48" Eccentric Manhole - Complete	8	EA	\$ 4,800.00	\$38,400.00
				<b>Subtotal</b>	<b>\$248,400.00</b>
<b>Street Lighting Items</b>					
43	Street Lighting per LF of Roadway	2600	LF	\$ 50.00	\$130,000.00
				<b>Sub Total</b>	<b>\$130,000.00</b>

Engineer's opinions of probable construction cost are made on the basis of Engineer's experience and qualifications and represent Engineer's best judgment as an experienced and qualified professional generally familiar with the construction industry. However, since Engineer has no control over the cost of labor, materials, equipment, or services furnished by others, or over contractors' methods of determining prices, or over competitive bidding or market conditions, Engineer cannot and does not guarantee that proposals, bids, or actual Construction Cost will not vary from opinions of probable Construction Cost prepared by Engineer.

<b>TOTAL</b>	<b>\$2,137,650.00</b>
Contingency (20%)	\$427,530.00
Design Engineering & Surveying	\$128,259.00
Construction Engineering & Surveying	\$171,012.00
<b>TOTAL</b>	<b>\$2,864,451.00</b>



## CITY OF STANLEY INFRASTRUCTURE AND PUBLIC FACILITY NEEDS

### **Executive Summary**

The City of Stanley, one of the key cities in the oil and gas industry, located in Mountrail County between Minot and Williston, on US Highway 2 and has experienced significant growth in the past several years. The City has been impacted in all aspects of public service including but not limited to; public utilities, City Administration facilities, transportation, hospital and emergency services, parks and recreation; along with affordable housing and hiring capable staff to provide these services. Before the most recent "Oil Boom" the City of Stanley had little to no growth and had adequate infrastructure and services to provide for the health, welfare, and safety of its community. With the rapid growth being experienced, and with no foreseeable end, providing new infrastructure for the demand, and maintain the deteriorating infrastructure has become increasingly difficult. Because of the larger demand the City of Stanley cannot adequately provide necessary services.

The City of Stanley has tried to budget for Capital Improvements and to maintain its infrastructure. With the amount of work in the area, a lack of labor force and materials, the cost for these services has increased significantly. This increase in project costs has decreased the City's ability to fund projects for improvements thus reduced the amount of work that can be completed.

The City has become proactive in its planning for the future. The City's desire is to invest in the current infrastructure, and construct new facilities and infrastructure that will provide the necessary services and increase the quality of life to their residents. The following is a summary of projects with an opinion of probable cost. These projects total more than **\$113,000,000**.

<u>Water Utilites</u>		
Imp #		
1	East Side Trunk Water Transmission Piping (South Loop)	\$400,000
2	West Side Trunk Water Transmission Piping	\$600,000
	West Side - Main Street Trunk Water Transmission Piping	
3	Loop	\$100,000
4	South West Trunk Water Transmission Piping Loop	\$1,200,000
5	Watermain Replacement	\$5,800,000
	<hr/> Sub-Total	<hr/> \$8,100,000



**Sanitary Sewer Utilities**

6	Sewer Main Replacement	\$5,000,000
7	Southwest Sewer and Lift Station	\$1,100,000
8	Inert Landfill	\$4,000,000
9	Wastewater Lagoon	\$3,500,000
10	Mechanical Treatment System	\$8,000,000
	Sub-Total	\$21,600,000

**Storm Water**

11	Storm Water Control - West View Plaza to South of Airport	\$700,000
	Sub-Total	\$700,000

**Transportation Infrastructure**

12	Street Replacement	\$16,500,000
13	Reconstruct 82nd Street (Airport Road 0.5 Miles)	\$1,500,000
14	Frontage Road Extension (West View Plaza)	\$1,500,000
15	Frontage Road Extension (Cenex to West View Plaza)	\$1,500,000
16	West Truck By-Pass ND 2 - ND 8 (3.25 Miles)	\$15,000,000
17	East Truck By-Pass Extension (2.0 Miles)	\$9,000,000
18	East Truck By-Pass Overpass	\$4,500,000
	Sub-Total	\$49,500,000

**Public Infrastructure**

19	Public Works Building	\$2,500,000
20	City Hall	\$4,500,000
21	Employee Housing (4-plex)	\$2,000,000
22	Daycare Complex (Capacity 75 children)	\$1,500,000
23	Walking Path	\$5,000,000
24	Baseball, Softball Fields (4 - 5 Diamonds)	\$1,500,000
25	Golf Course Clubhouse	\$3,000,000
26	Indoor Rec Center (20,000 SF)	\$13,000,000
27	Expand Cemetery	\$200,000
	Sub-Total	\$33,200,000

Total \$113,100,000



## **Infrastructure and Public Improvement Summaries**

### **Water Utilities**

#### **East Side Trunk Water Transmission Piping** – see figure 2 item 1

The existing water transmission line serving the development and growth on the northeast side of the City of Stanley is inadequate for future growth and fire capacity. This watermain is considered a “dead end” because it does not loop back into the system. For additional capacity and quality of potable water a connecting loop is needed. This watermain will be needed to service the new public works building that is proposed for construction this year with a February 2015 completion date. Partial cost of construction was awarded with an Energy Impact and Infrastructure Grant, construction will be completed in the spring of 2015. Estimates using 2014 project rates put the cost of this trunk line at approximately \$916,000. The remainder of the loop to the south that will complete the east water transmission piping was not funded, the estimated cost is \$400,000.

#### **West Side Trunk Water Transmission Piping** – see figure 2 item 2

The work related to this proposed phase is to complete the connection of the 12” water transmission piping completed in 2013 for the new 500,000 gallon water storage reservoir with the existing water tower on the north side of town. This will better facilitate capacity and quality of the existing distribution system. With funding appropriated to this project, it would be completed during the summer of 2015. Estimates using 2014 project rates put the cost of this trunk line at approximately \$600,000.

#### **West Side to Main Street Trunk Water Transmission Piping Loop Connection** – see figure 3 item C

The work done under this phase would allow for two different transmission mains to be connected. This would allow for better capacity and quality to the new and existing developments as well as allowing the City to provide water during breaks and replacements. With funding appropriated to this project, it would be completed during the summer of 2015. Estimates using 2014 project cost put the value of this trunk line at approximately \$100,000.

#### **South West Trunk Water Transmission Piping Loop** – see figure 2 item 4

To adequately serve the growing industrial/commercial businesses that are developing on the south west side of town water transmission piping is needed. This 12” pipe line will loop around from the end of the 12” transmission line in West View Plaza to the existing line located at 82<sup>nd</sup> Avenue NW and 61<sup>st</sup> Street NW. Estimates using 2014 project rates put the cost of this trunk line at approximately \$1,200,000.



Watermain Replacement – see figure 2 item 5

The City of Stanley has an inventoried 38,694 feet of old, deteriorating, undersized, cast iron and asbestos cement water main lines that are in need of replacement. This is approximately 31% of the city's existing water system. While the city has been concentrating its efforts to keep up with the potable water supply due to the demand set forth by the unprecedented growth it has not been able to address the condition of the existing system. Estimates using 2014 construction rates put the cost of replacement at approximately \$5,800,000.

**Sanitary Sewer Utilities**

Sewer Main Replacement – see figure 2 item 6

The City of Stanley has an inventoried 29,740 feet of old, deteriorating, sanitary sewer main lines that are in need of replacement. This is approximately 34% of the city's existing sanitary sewer system. The city has been trying to replace and line old and undersized trunk lines due to the demand set forth by the growth. It has been difficult to improve the condition of the existing system adequately for the older residential and commercial areas. Estimates using 2014 construction rates put the cost of replacement at approximately \$4,907,000.

Southwest Sanitary Sewer and Lift Station – see figure 2 item 7

The City of Stanley has been experiencing significant growth and interest in the Commercial – Industrial area to the south of US Hwy 2 and west of the airport. Improvements to serve this area would include approximately 5280 feet of gravity sanitary sewer main, a lift station, and 2 miles of force main. Estimates using 2014 construction rates put the cost of these improvements at approximately \$1,100,000.

Inert Landfill (8)

The existing city inert landfill is reaching its capacity, it is anticipated that more land will need to be purchased to construct a new inert landfill to ensure the city can maintain disposal operations. The estimated cost for land and construction for the new inert landfill is \$4,000,000.

Combination Lagoon and Mechanical Treatment System see figure 2 items 9,10

The City of Stanley had a population growth study conducted by Ondracek & Bertsch earlier this year. The study projects the population will double from the 2013 estimate of 2600, to an estimated population of 5244 in 2020. With the present estimated population at 3100 the 57.8 acre Wastewater Lagoon system is reaching at its capacity. In order for the City to provide service to 2020, with its projected population an estimated 40 acre lagoon would need to be



added. This is not a feasible solution with the limited area and constraints on the existing wastewater treatment site. The more viable alternative would be a combination of an additional lagoon (6-10 acres) and mechanical treatment system that can be expanded in the future for additional growth past 2020. Estimates using 2014 construction and land rates put the cost of a combination system at approximately \$11,500,000.

### **Storm Water**

Storm Water Control - West View Plaza to South of Airport see figure 2 item 11

With continued development areas being annexed into the incorporated limits of the City, it becomes the responsibility of the City to provide better protection from additional storm water runoff. One area of concern is located south and west of the West View Plaza Addition and within the Stanley Municipal Airport property. The topography does not support additional storm water runoff and minor localized flooding has occurred in the past. A combination of ditch improvements and storm sewer piping will need to be used to improve this area so that it may support future growth and maintain its existing uses. Estimates using 2014 construction rates put the cost of construction at approximately \$700,000.

### **Transportation Infrastructure**

Street Replacement – see figure 1 item 12

The City of Stanley completed a pavement rating of the streets in 2012. The roads were rated on a scale from 1 to 10; 10 being new and 1 being very poor or failed, it was determined that 25% of the roads were in poor to very poor condition. With the amount of additional traffic from the growth and activity, the deterioration of these roads has accelerated significantly. Estimates in 2014 using today's construction rates put the cost of replacement at approximately \$16,500,000.

Reconstruction 82<sup>nd</sup> Ave NW (Airport Road 0.5 Miles) – see figure 1 item 13

With the addition of the connection to the South Commercial/Industrial Area road (61<sup>st</sup> St NW) from US Highway 2 to ND Highway 8, and new development on the west side of 82<sup>nd</sup> Ave NW south of US Highway 2, traffic has increased both in volume and categories of vehicles. To better accommodate this traffic, and the anticipated increase in volume due to development, this ½ mile section of 82<sup>nd</sup> Ave NW will need to be reconstructed to a higher volume commercial pavement section. Estimates using 2014 construction rates put the cost of replacement at approximately \$1,500,000.



Frontage Road Extension (West View Plaza) – see figure 1 item 14

The continuation of the West View Plaza frontage road is a needed component in the transportation system along the US Highway 2 corridor, this would connect the frontage road to 83<sup>rd</sup> Ave NW. This connection would help relieve the congestion for deliveries, residential, and costumer vehicle traffic at the intersection of 82<sup>nd</sup> Ave NW and US Highway 2. Estimates using 2014 construction rates put the cost of this extension at approximately \$1,500,000.

Frontage Road Extension (Cenex to West View Plaza) – see figure 1 item 15

There is a high volume of business and truck traffic associated with the businesses in and around the Cenex Fuel Station, located half way between the two newly installed traffic signals on Highway 2. This new connection will help to facilitate the traffic to the new signal on the west side of Stanley. This would greatly reduce the traffic crossing and entering US Highway 2 at uncontrolled intersections adding to the safety of traffic in that corridor. Estimates using 2014 construction rates put the cost of this extension at approximately \$1,500,000.

West Truck By-Pass ND Highway 2 – ND Highway 8 (3.25 Miles) – see figure 1 item 16

Anticipated growth for the City of Stanley will be to the north in and around ND Highway 8. Increased oil truck traffic coming from the west on Highway 2 and heading north on ND Highway 8 will conflict with the City's predicted growth. Relocation is limited by the railroad crossings available to accommodate that traffic. Using 83<sup>rd</sup> Avenue NW, on the west side of Stanley, and rebuilding the railroad crossing, traffic can be by-passed north approximately 2.25 miles to 64<sup>th</sup> Street NW then east 1.0 mile to connect with ND Highway 8. Using 2014 construction and design costs for the recent NDDOT project costs the estimated cost of this by-pass would be \$15,000,000.

East Truck By-Pass Extension (2.0 Miles) – see figure 1 item 17

At present the East Truck By-Pass for ND Highway 8 uses 81<sup>st</sup> Avenue NW on the east side of Stanley and goes north approximately 1.1 miles to 63<sup>rd</sup> Street NW then west 0.73 miles and reconnects to ND Highway 8. With the new growth in the area the use of 63<sup>rd</sup> Street NW has this existing by-pass travelling adjacent to residential communities. Rerouting this by-pass 1.0 mile north to 64<sup>th</sup> Street NW and then west 1.0 miles to connect with ND Highway 8 will allow for future development, reduce truck traffic through a residential development, and increase traffic safety. Using 2014 construction and design costs for the recent NDDOT project costs the estimated cost of this by-pass would be \$9,000,000.

East Truck By-Pass Overpass - see figure 1 item 18

The existing east truck by-pass crosses the railroad within city limits approximately 0.25 miles south of 63<sup>rd</sup> Street NW on 81<sup>st</sup> Avenue NW. This route also has a significant amount of local



traffic. With the installation of an overpass it will create a “Quiet Zone” for area residents decreasing railroad train horns and increase traffic safety and redundant emergency access across railroad with underpass. Costs associated with this overpass would be estimated at approximately \$4,500,000.

## **Public Facilities**

Public Works Building – see figure 2 item 19

The City of Stanley’s growth has also added the need for additional workers to operate and maintain the public utilities for the expanding community. The new public works building will be able to accommodate the staff and maintain the tools and equipment needed for city operations. The estimated cost for the new public works building is \$2,500,000.

City Hall – see figure 2 item 20

The City of Stanley’s Administration, Police, Public Works, and Planning Staff are all presently located in a leased building with inadequate space. Along with the new public works building a New City Hall is needed to meet the demands of the growing and expanding community. The estimated cost for the New City Hall is \$4,500,000.

Employee Housing (8-units) (21)

With the continued rising cost and lack of affordable homes in this region, it becomes difficult for the City to hire and maintain qualified staff as the City of Stanley grows to meet the needs of the Community. It is imperative that the City develop housing in order to attract the needed qualified employees. The need to provide affordable places to live that can accommodate their family’s helps to bring more qualified applicants that want to work and also live in the Community. The estimated cost of land and construction for an additional 8 housing units are approximately \$2,000,000.

Daycare Complex (Capacity 75 children) (22)

As the work force continues to grow more workers are bringing and starting families in Stanley. Finding affordable, safe, and healthy daycare that supports early learning for working families struggling to support themselves can be challenging. The City of Stanley would like to provide a Daycare Complex to help support those efforts and strong family values in their community. The estimated cost of a 75 child capacity complex is approximately \$1,500,000.

Trail System – see figure 1 item 23

Providing for an integrated trail and bike path system that connects the schools, parks, and other public facilities is an important part to developing the community and promoting healthy



life styles. The City is proposing a trail system to connect the existing community with the new development and future development in four phases. Total estimated cost for all four phases approximately \$5,000,000.

Baseball, Softball Fields (4 - 5 Diamonds) (24)

Outdoor facilities such as ball fields play an important part of the park system and can be used by community residents of all ages. Estimated cost for 4 – 5 Diamonds, \$1,500,000.

Golf Course Clubhouse (25)

The City of Stanley's Public 9-Hole Golf Course has a Clubhouse that is undersized, deteriorating, and non-code compliant. Having convenient recreation areas within the city limits is vital to the growth of any community. In order to continue to maintain the benefits brought to the community by this facility a new Clubhouse is essential. Estimated cost of a new Clubhouse facility is approximately \$3,000,000.

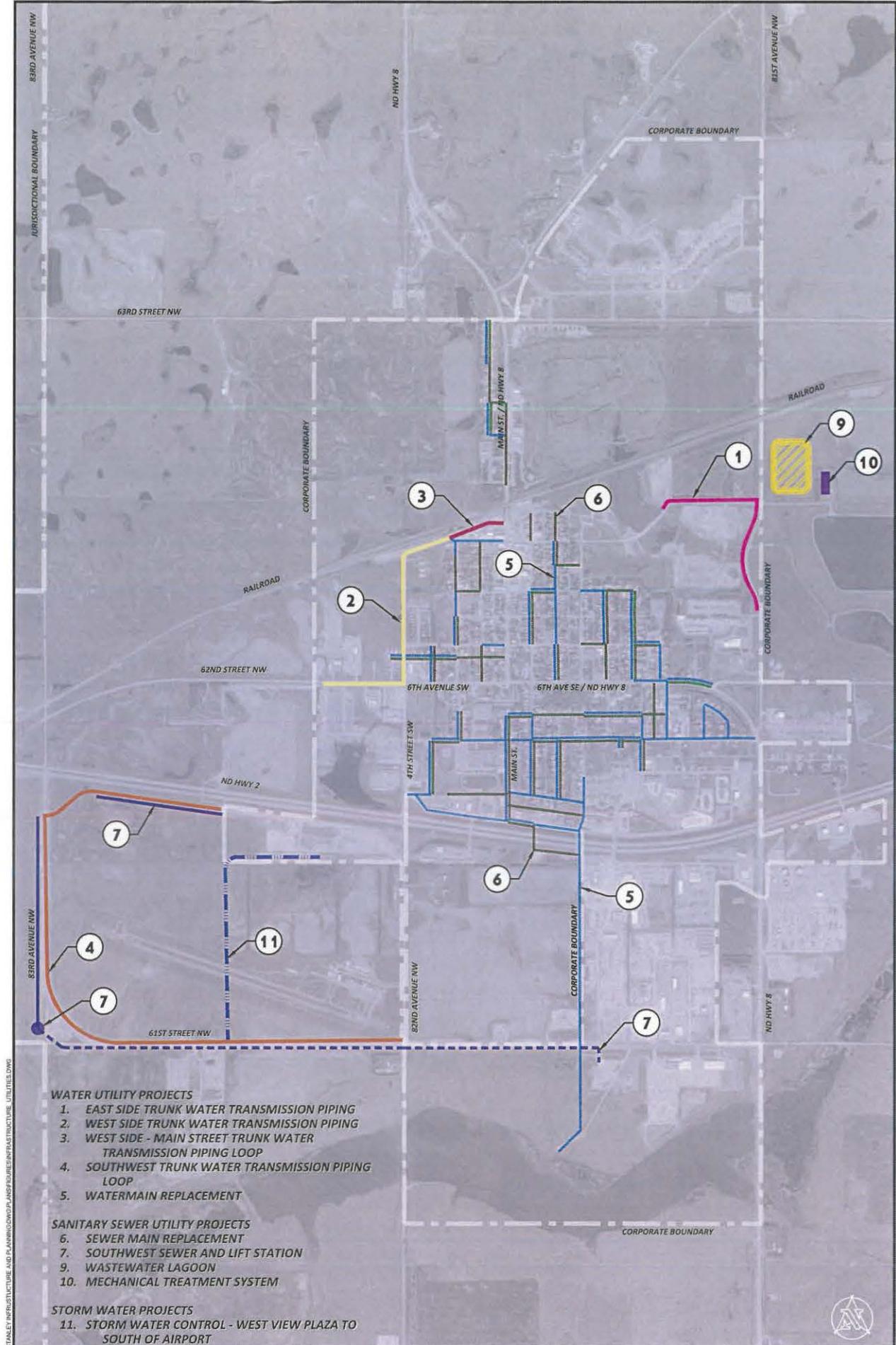
Indoor Recreation Center (20,000 SF) (26)

As the City of Stanley develops in this climate, the necessity for an indoor recreation center with exercise rooms, swimming, and ball courts and other community activities becomes essential. Private gyms can be cost prohibitive and not offer activities for all ages like a public community recreation center can. Estimated cost of a facility sized for the future population growth is approximately \$13,000,000.

Expand Cemetery see figure 2 item 27

As the cost of land rises and the City of Stanley's Cemetery starts to reach its available capacity it must expand the facility. With possible land available adjacent to the existing site, the city would like to purchase it to ensure expansion in the future. Estimated cost of land \$200,000.

<u>Year</u>	<u>Imp #</u>	<u>Water Utilities</u>	<u>Imp #</u>	<u>Sanitary Utilities</u>	<u>Imp #</u>	<u>Storm Water</u>	<u>Imp #</u>	<u>Transportation</u>	<u>Imp #</u>	<u>Public Facilities</u>	<u>Yearly Total</u>
2015	1,2,3,4,5	\$3,460,000	6,7	\$2,100,000	11	\$700,000	12,14	\$4,800,000	19	\$2,500,000	\$13,560,000
2016	5	\$1,160,000	6,10	\$9,000,000			12,13	\$4,800,000	21	\$1,000,000	\$15,960,000
2017	5	\$1,160,000	6,9	\$4,500,000			12	\$3,300,000	20,21	\$5,500,000	\$14,460,000
2018	5	\$1,160,000	6,8	\$5,000,000			12	\$3,300,000	24	\$1,500,000	\$10,960,000
2019	5	\$1,160,000	6	\$1,000,000			12	\$3,300,000	23,26	\$5,250,000	\$10,710,000
2020							16,17,18	\$9,500,000	22,23,26	\$5,750,000	\$15,250,000
2021							16,17,18	\$9,500,000	23,25,26	\$7,250,000	\$16,750,000
2022							15,16,17,18	\$11,000,000	23,26,27	\$4,450,000	\$15,450,000



**WATER UTILITY PROJECTS**

- 1. EAST SIDE TRUNK WATER TRANSMISSION PIPING
- 2. WEST SIDE TRUNK WATER TRANSMISSION PIPING
- 3. WEST SIDE - MAIN STREET TRUNK WATER TRANSMISSION PIPING LOOP
- 4. SOUTHWEST TRUNK WATER TRANSMISSION PIPING LOOP
- 5. WATERMAIN REPLACEMENT

**SANITARY SEWER UTILITY PROJECTS**

- 6. SEWER MAIN REPLACEMENT
- 7. SOUTHWEST SEWER AND LIFT STATION
- 9. WASTEWATER LAGOON
- 10. MECHANICAL TREATMENT SYSTEM

**STORM WATER PROJECTS**

- 11. STORM WATER CONTROL - WEST VIEW PLAZA TO SOUTH OF AIRPORT

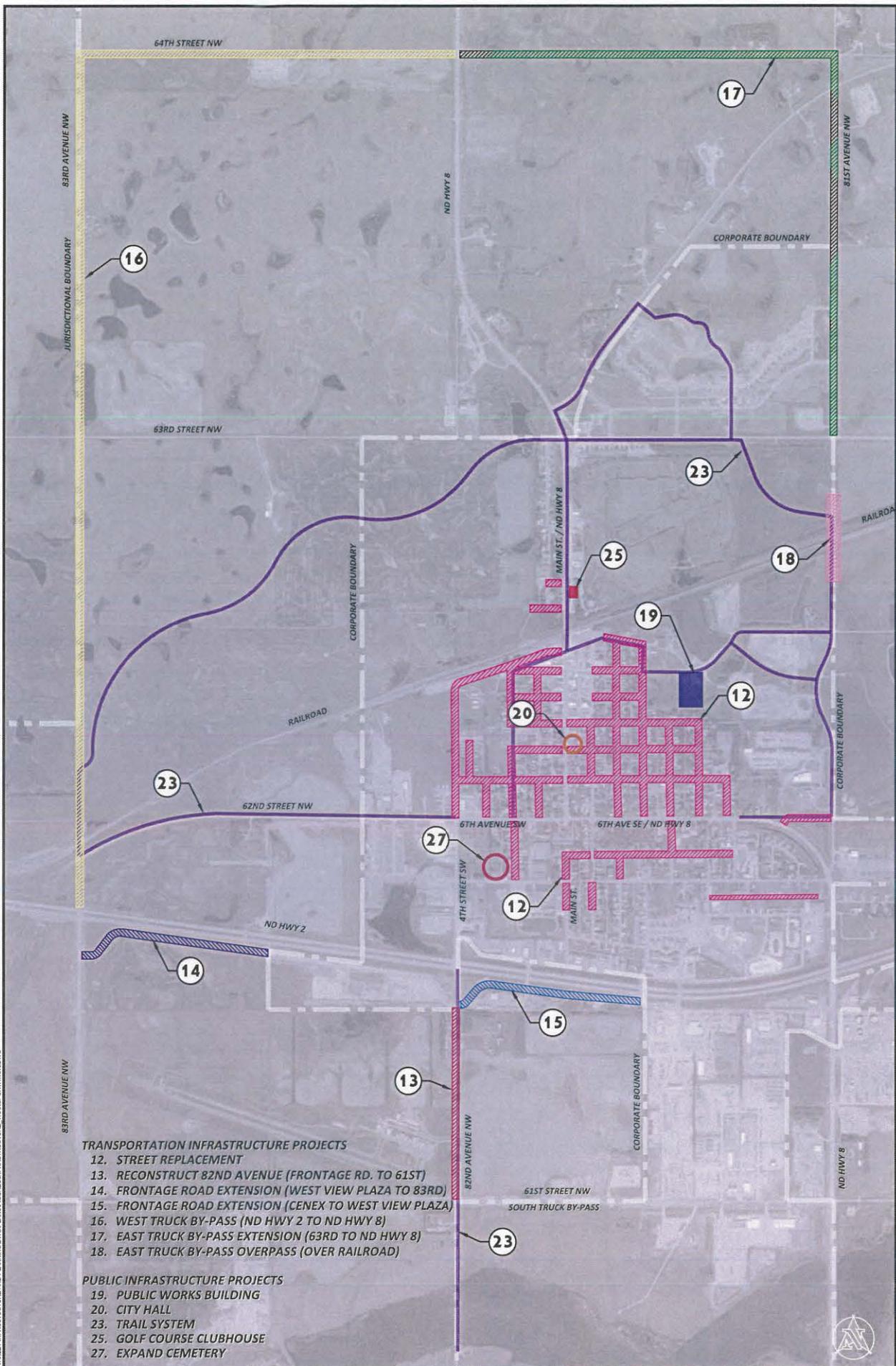
C:\PROJECTS\14032 STANLEY INFRASTRUCTURE AND PLANNING\CONCEPT PLAN\INFRASTRUCTURE UTILITIES.DWG



Infrastructure and Public Improvement Needs  
Utility Infrastructure Planning

PROJECT NO.: R14027  
DATE: November 4, 2014  
FIGURE NO.: 1 of 2





- TRANSPORTATION INFRASTRUCTURE PROJECTS**
- 12. STREET REPLACEMENT
  - 13. RECONSTRUCT 82ND AVENUE (FRONTAGE RD. TO 61ST)
  - 14. FRONTAGE ROAD EXTENSION (WEST VIEW PLAZA TO 83RD)
  - 15. FRONTAGE ROAD EXTENSION (CENEX TO WEST VIEW PLAZA)
  - 16. WEST TRUCK BY-PASS (ND HWY 2 TO ND HWY 8)
  - 17. EAST TRUCK BY-PASS EXTENSION (63RD TO ND HWY 8)
  - 18. EAST TRUCK BY-PASS OVERPASS (OVER RAILROAD)

- PUBLIC INFRASTRUCTURE PROJECTS**
- 19. PUBLIC WORKS BUILDING
  - 20. CITY HALL
  - 23. TRAIL SYSTEM
  - 25. GOLF COURSE CLUBHOUSE
  - 27. EXPAND CEMETERY

G:\PROJECTS\1814027 STANLEY INFRASTRUCTURE AND PLANNING\DWG\PLANS\INFRASTRUCTURE\_TRANSPORTATION.DWG