

1. Agenda

Documents:

[PWC AGENDA 10-1-2018.PDF](#)

2. Meeting Materials

Documents:

[2. CIP UPDATE.PDF](#)

[3. DISC GOLF COURSE MATCHING FUNDS.PDF](#)

[PWC AGENDA 1-7-2019.PDF](#)

[PWC_MINUTES_AND_ATTACHMENTS.PDF](#)

[QCC CONTRACT SUPPLEMENTAL NO. 1.PDF](#)

[RETENTION DETENTION POND POLICY UPDATE DRAFT.PDF](#)

[1. PUD PROPOSED TRANSMISSIONS LINES ON LOVERS LANE.PDF](#)



AGENDA

PUBLIC WORKS COMMITTEE

Monday, October 1, 2018 - 5:00 PM

Wastewater Treatment Plant – 26729 98th Drive NW

AGENDA

1. PUD Transmission Lines on Lover's Lane – Kevin Lavinger
2. CIP Update
3. Disc Golf Course Matching Funds

DISCUSSION

- Water and sewer availability for BLU development
- SCADA contract with QCC



**CITY OF STANWOOD
PUBLIC WORKS COMMITTEE
AGENDA STAFF REPORT**

ITEM: 2

DATE: October 1, 2018

SUBJECT: Capital Improvement Plan (CIP) (*Capital Facilities Element Update*)

CONTACT PERSON: Kevin Hushagen, Public Works Director

ATTACHMENTS: A - 2019-2024 Capital Improvement Plan (CIP)

ISSUE

The issue in front of the Public Works Committee is a second look at the 2019-2024 CIP with the following changes to the buildings and ground budget:

- 1) \$10,000 removed for painting at the police station as this work has already been completed.
- 2) \$70,000 added to upgrade furnace system at city hall which includes air conditioning.

The following changes to the streets budget:

- 1) Upper Pioneer Hwy from 85th to Cedarhome, \$86,000 in 2020
- 2) 68th ave overlay \$500,000 in 2020
- 3) 271st Street (94th to Viaduct Sealcoat \$250,000 in 2020
- 4) 72nd Ave SR532 to Pioneer Hwy overlay, in 2020 \$500,000

The following changes to the parks budget:

- 1) Changed from \$100,000 in 2019, \$1,000,000 in 2020 and \$1,000,000 in 2022 to \$850,000 in 2019, \$625,000 in 2020 and \$1,000,000 in 2022. This is to accommodate a \$350,000 grant we are receiving that has a \$500,000 match for use at Heritage Park for the 4th ball field and trail work.
- 2) Added \$30,000 for Johnson Farm master planning.

The following changes to the sewer budget:

- 1) Changed from \$717,000 in 2024 to \$900,000 in 2019 for the 72nd Ave and 261st St interceptor project. With the rapid growth being experienced in the area, and the

school district not installing or cost sharing, this line is anticipated to be needed much sooner than originally thought and all with City dollars.

- 2) Changed from \$50,000 in 2019 to \$100,000 in 2020 for work on Pioneer Highway from Cedarhome Drive to 267th Street.
- 3) Pioneer Hwy/Cedarhome to 267th St (EX 17) – Moved \$50,000 from 2019 to 2020
- 4) Sewer Pipe Misc. Replacement added \$25,000 in 2020.

RECOMMENDATION

1. Review and discuss the 2019-2024 Capital Improvement Plan (CIP).
2. Make a recommendation to bring an Ordinance to City Council on final adoption.
3. The finance committee recommended adding in the HVAC work at city hall.

COUNCIL OPTIONS

- 1) Recommend bringing the proposed 2019 - 2024 Capital Improvement Plan (CIP) to Council for adoption through an ordinance.
- 2) Direct staff to provide alternatives to the 2019 - 2024 Capital Improvement Plan (CIP) to consider prior to bringing back to City Council.

City of Stanwood
6-Year Capital Improvement Plan
2019-2024

Building Improvement (110)		Budget 2019	2020	2021	2022	2023	2024
	SFR Building Permits	60	60	26	20	20	20
Beginning Cash & Investments		\$615,000	\$250,000	\$255,000	\$260,000	\$265,000	\$270,000
Revenues							
Impact Fees		\$0	\$0	\$0	\$0	\$0	\$0
REET 1 Transfer-In		\$0	\$0	\$0	\$0	\$0	\$0
Bond Proceeds / Debt				\$6,000,000			
Grant Proceeds		\$0	\$0			\$0	\$0
Interest		\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
Total Resources (includes BNC)		\$620,000	\$255,000	\$6,260,000	\$265,000	\$270,000	\$275,000
Expenditures:	Total Proj Cost						
New Police/City Hall Design	\$300,000	\$300,000					
New Police Station/Records Room	\$6,000,000			\$6,000,000			
City Hall HVAC	\$70,000	\$70,000					
Total Expenditures	\$6,370,000	\$370,000	\$0	\$6,000,000	\$0	\$0	\$0
Ending Cash & Investments		\$250,000	\$255,000	\$260,000	\$265,000	\$270,000	\$275,000

City of Stanwood
6-Year Capital Improvement Plan
2019-2024

Street (102/103/677)		Budget 2019	2020	2021	2022	2023	2024
	Permits	60	60	26	20	20	20
Beginning Cash & Investments		\$1,928,500	\$1,538,343	\$1,679,689	\$227,522	\$219,759	\$320,885
Revenues							
Impact Fees	\$3,523.39	\$211,403	\$211,403	\$91,608	\$70,468	\$70,468	\$70,468
WSDOT/Safe Routes to School							
DOC/Safe Routes to School							
FHWA - STP							
Bond Proceeds / Debt							
RTCC Grant		\$1,437,500					
State Budget Direct Appropriation		\$500,000					
TIB Grant		\$720,000	\$900,000				
Grants			\$1,400,000	\$1,300,000	\$6,700,000	\$6,500,000	\$21,500,000
Transportation Sales Tax		\$298,788	\$307,752	\$316,984	\$326,494	\$336,289	\$346,377
Interest		\$19,285	\$15,383	\$16,797	\$2,275	\$2,198	\$3,209
Total Resources (includes BNC)		\$5,115,476	\$4,372,882	\$3,405,078	\$7,326,759	\$7,128,713	\$22,240,939
Expenditures:	Proj Cost						
New Sidewalk/Trail Installation	\$420,000	\$70,000	\$70,000	\$70,000	\$70,000	\$70,000	\$70,000
Sidewalk Repair	\$180,000	\$50,000	\$50,000	\$20,000	\$20,000	\$20,000	\$20,000
Miscellaneous	\$150,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
72nd (272nd - 276th) *	\$2,200,000				\$200,000	\$2,000,000	
Pavement Inventory	\$50,000		\$50,000				
Viking Way / 90th *	\$2,000,000	\$2,000,000					
102nd Ave Overlay *	\$301,458	\$301,458					
276th St.Overlay *	\$530,675	\$530,675					
SR532/Ovenell Access *	\$3,500,000						\$3,500,000
SR532/98th Hamilton Access *	\$3,500,000						\$3,500,000
284th St Improvements: 80th Ave to City Limits*	\$6,220,000			\$220,000	\$6,000,000		
272nd St. Reconstruction (72nd Ave. to Pioneer Hwy)*	\$4,000,000			\$2,000,000			\$2,000,000
102nd Ave Sidewalk *	\$106,498		\$106,498				
92nd Ave Sidewalk *	\$150,000	\$150,000					
273rd Pl. Sidewalk *	\$175,452		\$175,452				
72nd Ave Sidewalk *	\$491,359	\$100,000	\$391,359				
101st Ave Reconstruction *	\$2,640,000				\$792,000	\$1,848,000	
SR 532 Flood Berm/Bike Path *	\$200,000		\$200,000				
90th Ave 271st to 272nd *	\$124,884		\$124,884				
80th Ave Reconstruction *	\$7,030,000					\$2,109,000	\$4,921,000
SR532 & 64th Roundabout *	\$3,500,000						\$3,500,000
284th St Sidewalk *	\$185,880			\$185,880			
98th Dr. Sidewalk 268th to 270th *	\$123,240			\$123,240			
270th St. Redesign Curbs 98th to 102nd *	\$735,828					\$735,828	
272nd St Sidewalk 72nd to 76th *	\$533,436			\$533,436			
276th St. Sidewalk 70th to 73rd *	\$150,000	\$150,000					
Cedarhome Dr. Sidewalk 271st to 276th *	\$714,612						\$714,612
WWTP Loop Trail *	\$2,772,500						\$2,772,500
Heritage Park Loop Trail *	\$535,000						\$535,000
Church Creek Park Loop Trail *	\$411,750						\$411,750
276th St. (Lover's Lane) Chip Seal	\$200,000	\$200,000					
272nd Pl. 99th to 102nd Overlay	\$250,000		\$250,000				
68th Avenue Overlay	\$500,000		\$500,000				
272st Street (94th to Viaduct) seal coat	\$250,000		\$250,000				
72nd Avenue SR532 to Pioneer Hwy Overlay	\$500,000		\$500,000				
Total Expenditures	\$45,332,572	\$3,577,133	\$2,693,193	\$3,177,556	\$7,107,000	\$6,807,828	\$21,969,862
Ending Cash & Investments		\$1,538,343	\$1,679,689	\$227,522	\$219,759	\$320,885	\$271,077

* Project also included in TIP

City of Stanwood
6-Year Capital Improvement Plan
2019-2024

Parks (104/106/120/121)		Budget 2019	2020	2021	2022	2023	2024
	SFR Building Permits	60	60	26	20	20	20
Beginning Cash & Investments		\$1,310,932	\$682,489	\$72,762	\$115,851	\$45,490	\$138,761
Revenues							
Impact Fees	\$640.80	\$38,448	\$38,448	\$16,661	\$12,816	\$12,816	\$12,816
REET Transfers-In		\$140,000	\$200,000	\$245,000	\$120,000	\$80,000	\$80,000
Bond Proceeds / Debt							
Grant Proceeds		\$350,000	\$0	\$0	\$590,000	\$0	\$0
Construction Sales Tax				\$1,000,000			
Hamilton (WWRP/ALEA)			\$250,000	\$250,000			
RCO			\$500,000	\$1,600,000	\$800,000		
Interest	\$23,663	\$13,109	\$6,825	\$728	\$1,159	\$455	\$1,388
Total Resources (includes BNC)		\$1,852,489	\$1,677,762	\$3,185,151	\$1,639,825	\$138,761	\$232,965
Expenditures:	Total Proj Cost						
Ovenell Property	\$853,635	\$90,000	\$75,000	\$344,300	\$344,335		
Heritage Park - 4th Field & Trail	\$2,475,000	\$850,000	\$625,000		\$1,000,000		
Hamilton Property	\$2,175,000	\$200,000	\$500,000	\$1,475,000			
Trail Plan Implementation	\$750,000		\$250,000	\$250,000	\$250,000		
Acquisition-Heritage Park Expansion	\$1,000,000			\$1,000,000			
Church Creek	\$125,000		\$125,000				
Johnson Farm	\$30,000	\$30,000					
New Neighborhood Park	\$30,000		\$30,000				
Total Expenditures	\$7,438,635	\$1,170,000	\$1,605,000	\$3,069,300	\$1,594,335	\$0	\$0
Ending Cash & Investments		\$682,489	\$72,762	\$115,851	\$45,490	\$138,761	\$232,965

City of Stanwood
6-Year Capital Improvement Plan
2019-2024

Water (422/423/424)		2019	2020	2021	2022	2023	2024
	SFR Building Permits	60	60	26	20	20	20
Beginning Cash & Investments		\$651,189	\$499,841	\$214,979	\$366,861	\$325,190	\$295,102
Revenues							
Connection Fees	\$600	\$36,000	\$36,000	\$15,600	\$12,000	\$12,000	\$12,000
Cedarhome Benefit Area							
Transfers-In from Operating Funds		\$200,000	\$100,000	\$15,000	\$35,000	\$20,000	\$0
Plant Investment Charge (\$6,912)	\$6,912	\$414,720	\$414,720	\$179,712	\$138,240	\$138,240	\$138,240
Bond Proceeds / Debt			\$1,300,000				
Grant Proceeds						\$1,500,000	\$1,400,000
Interest		\$6,512	\$4,998	\$2,150	\$3,669	\$3,252	\$2,951
Total Resources (includes BNC)		\$1,308,421	\$2,355,559	\$427,441	\$555,770	\$1,998,682	\$1,848,293
Expenditures:	Total Proj Cost						
Transfer to Water Operating Fund 421	\$63,480	\$10,580	\$10,580	\$10,580	10580	\$10,580	\$10,580
Rate Study	\$25,000						\$25,000
Improvements	\$300,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Long Term Water Supply Study	\$40,000	\$20,000					\$20,000
Hatt Slough Study	\$25,000				\$25,000		
Telemetry	\$33,000				\$33,000		
297 Zone Reservoir	\$2,000,000	\$200,000	\$1,800,000				
Decomission Fure Well	\$30,000	\$30,000					
Cedarhome Sand Production	\$0						
Cedarhome Generator	\$250,000		\$250,000				
Knittle Generator (2021-2026)	\$260,000						\$260,000
Knittle Booster Upgrades	\$945,000					\$236,000	\$709,000
Viking Way water main	\$498,000	\$498,000					
85th Dr water main	\$400,000				\$45,000	\$355,000	
Bryant Well monitor	\$30,000		\$30,000				
Cedarhome Dr water main	\$517,000				\$67,000	\$450,000	
Knittle tank recoating	\$540,000					\$540,000	
Park Lane water main	\$482,000					\$62,000	\$420,000
Total Expenditures	\$6,438,480	\$808,580	\$2,140,580	\$60,580	\$230,580	\$1,703,580	\$1,494,580
Ending Cash & Investments		\$499,841	\$214,979	\$366,861	\$325,190	\$295,102	\$353,713

City of Stanwood
6-Year Capital Improvement Plan
2019-2024

Sewer (403/405)		2019	2020	2021	2022	2023	2024
	SFR Building Permits	60	60	26	20	20	20
Beginning Cash & Investments		\$1,664,981	\$862,771	\$147,539	\$143,708	\$279,525	\$36,700
Revenues							
Connection Fees	\$500	\$30,000	\$30,000	\$13,000	\$10,000	\$10,000	\$10,000
Plant Investment Charge	\$7,719	\$463,140	\$463,140	\$200,694	\$154,380	\$154,380	\$154,380
REET							
Bond Proceeds / Debt		\$0	\$500,000	\$1,800,000	\$350,000		\$3,600,000
Grant Proceeds							
Transfer in from Operations		\$550,000	\$0	\$100,000	\$55,000	\$10,000	\$100,000
Interest		\$16,650	\$8,628	\$1,475	\$1,437	\$2,795	\$367
Total Resources (includes BNC)	\$11,924,690	\$2,724,771	\$1,864,539	\$2,262,708	\$714,525	\$456,700	\$3,901,447
Improvements	\$200,000	\$25,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000
Miscellaneous Improvements Pipe Repl (EX1)	\$1,121,000		\$25,000	\$274,000	\$274,000	\$274,000	\$274,000
Collector/Interceptor Syst Flow Mon & Video (EX 2)	\$368,000	\$45,000	\$50,000		\$40,000		\$233,000
Church Creek Collection System Const (EX5A)	\$1,175,000	\$150,000		\$1,025,000			
Cedarhome Collection System Construction (EX5B)	\$175,000						\$175,000
UV Energy Efficiency Upgrades	\$48,000	\$48,000					
272nd/101st-99th (Ex13)	\$950,000		\$200,000	\$750,000			
Pioneer Highway/Cedarhome to 267th St (EX 17)	\$100,000		\$100,000				
Lower Pioneer Highway Interceptor (EX18)	\$500,000		\$500,000				
72nd Avenue and 261st St. Interceptor (EX19)	\$900,000	\$900,000					
72nd Ave Gravity Main Replacement (DF2)	\$193,000						\$193,000
Church Creek Loop Gravity Main Replacement (DF3)	\$423,000						\$423,000
68th Ave Gravity Main Replacement (DF4)	\$321,000						\$321,000
Miscellaneous Improvements Facilities (EX6)	\$140,000			\$35,000	\$35,000	\$35,000	\$35,000
Telemetry System Upgrades (EX7)	\$225,000	\$225,000					
Biosolids Processing Facility(EX8A-B)	\$2,035,000		\$110,000				\$1,925,000
Grit Removal Unit Installation (EX9)	\$203,000				\$51,000	\$76,000	\$76,000
Viking Way	\$169,000	\$169,000					
Main Lift Station Upgrades	\$563,000	\$150,000	\$413,000				
Ultra violet disinfection	\$173,000		\$48,000				\$125,000
Smoke Testing/camera/flow meter basin 1	\$300,000	\$150,000	\$150,000				
Wastewater Rate Study	\$50,000						\$50,000
Upper Pioneer Hwy 85th to Cedarhome (EX16)	\$86,000		\$86,000				
Total Expenditures	\$10,418,000	\$1,862,000	\$1,717,000	\$2,119,000	\$435,000	\$420,000	\$3,865,000
Ending Cash & Investments		\$862,771	\$147,539	\$143,708	\$279,525	\$36,700	\$36,447

City of Stanwood
6-Year Capital Improvement Plant
2019-2024

Drainage (411/412)		2019	2020	2021	2022	2023	2024
	SFR Building Permits	60	60	26	20	20	20
Beginning Cash & Investments	Fees	\$125,000	\$263,090	\$257,561	\$262,101	\$342,002	\$278,911
Revenues							
Plant Investment Fees	\$1,414	\$84,840	\$84,840	\$36,764	\$28,280	\$28,280	\$28,280
Drainage Connection Fees	\$200	\$12,000	\$12,000	\$5,200	\$4,000	\$4,000	\$4,000
Transfer-In from Drainage Operating		\$80,000	\$135,000	\$0	\$85,000	\$0	\$65,000
Bond Proceeds / Debt			\$730,000	\$1,064,300	\$2,214,335	\$700,000	\$700,000
Grant Proceeds			\$1,170,000	\$650,000	\$650,000	\$1,300,000	\$1,751,557
Grant - SR 532 Flood Berm		\$911,200					
Floodplains by Design		\$1,000,000					
Interest		\$1,250	\$2,631	\$2,576	\$2,621	\$3,420	\$2,789
Total Resources (includes BNC)		\$2,214,290	\$2,397,561	\$2,016,401	\$3,246,337	\$2,377,702	\$2,830,537
	Total						
(CIP#) Expenditures	Proj Cost						
Drainage Rate Study	\$25,000						\$25,000
(-) Retention Pond Improvements	\$150,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
(10) 85th Ave N Runoff	\$738,635		\$50,000	\$344,300	\$344,335		
(1) Irvine Slough Stormwater Separation	\$8,800,000	\$1,000,000	\$1,800,000	\$1,000,000	\$1,000,000	\$2,000,000	\$2,000,000
(11) SR532 Flood Berm	\$911,200	\$911,200					
(7) 101st, 102nd, 103rd Replacement	\$1,500,000		\$250,000	\$250,000	\$1,000,000		
(2) 92nd Ave (271st-SR532)	\$640,000			\$120,000	\$520,000		
(4) 276th Pl Pioneer Hwy Drainage Imp	\$58,791					\$58,791	
(6) Augusta St. Pipe Upsize	\$292,915						\$292,915
(8) 271st St NW @ Florence Rd Upsize	\$158,642						\$158,642
Irvine Slough Erosion Control	\$90,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000
Total Expenditures	\$13,365,183	\$1,951,200	\$2,140,000	\$1,754,300	\$2,904,335	\$2,098,791	\$2,516,557
Ending Cash & Investments		\$263,090	\$257,561	\$262,101	\$342,002	\$278,911	\$313,980



**CITY OF STANWOOD
PUBLIC WORKS COMMITTEE
AGENDA STAFF REPORT**

ITEM NUMBER: 3
DATE: October 1, 2018
SUBJECT: Disc Golf Course Matching Funds
CONTACT PERSON: Kevin Hushagen, Public Works Director
ATTACHMENTS: Alex Glasgow's Proposal

ISSUE

The issue in front of the Public Works Committee is whether or not to authorize a 50% match, not to exceed \$3,000.00, to install 9 additional holes at Church Creek Park Disc Golf Course.

SUMMARY STATEMENT

In 2015, volunteers installed a 9-hole disc golf course at Church Creek Park. Council approved a city match of 50% not to exceed \$6,000. On August 9, 2017, the Public Works Committee approved a request from Alex Glasgow to install another 9-holes. Alex's proposal was to raise the funds needed to purchase the baskets and signs, and to get donations from businesses for other materials. Volunteers from the disc golf community would provide the labor.

On September 4, 2018, staff met with Mr. Glasgow to go over the status of the project. Mr. Glasgow had asked if the council could contribute to the purchasing of the baskets and/or signs.

DISCUSSION

Alex Glasgow submitted a request for funds to be used on the purchase of 9 baskets, tee-pads, signs and posts, attachment A. Volunteers will clear the fairways of brush and any selective trees (approved by staff) and install materials.

By making the Church Creek Disc Golf Course an 18-hole course, the course could be used for tournaments which would draw many people to Stanwood helping the business community.

FINANCIAL

The request is for the City to match 50% of the cost, not to exceed \$3,000.00. The funds could come out the Field User Fees that have been collected in 2018.

Church Creek Disc Golf Project

To Whom It May Concern,

Washington's disc golf community would like to volunteer our time and manpower to expand the disc golf course from a 9 hole to an 18 hole course. We will be gathering donations from local businesses to help make this community project successful. We would like to ask if the city would match 50% of the money raised for this project.

In this project, the following tasks will need to be accomplished:

1. Purchase of the additional 9 baskets (which will match the current 9 minus the top band.)
2. Purchase and installation of 9 tee-pads.
3. Purchase and installation of tee signs and posts.
4. Clearing fairways of brush and selective trees (as agreed to by the City).
5. New course map to match the final layout.

The estimated cost of this project is \$6,000 with all the donations and logistics. Our estimated time for completion is having the course playable by late spring, early summer.

Please confirm if the city could help support this project by matching the \$3,000 that we will be raising.



AGENDA

PUBLIC WORKS COMMITTEE

Monday, January 7, 2019 - 5:15 PM

Wastewater Treatment Plant – 26729 98th Drive NW

AGENDA

1. Retention/Detention Pond Policy Update Draft
2. QCC Contract Amendment

Discussion Items:

- Pioneer Hwy Guardrail Repair

PUBLIC WORKS/PARKS COMMITTEE MEETING
Monday, October 1, 2018 – 5:00pm
Wastewater Treatment Plant – 26729 98th Drive NW
MINUTES

Attendance:

Councilmembers: Rob Johnson, Judy Williams
City Staff: Kevin Hushagen, Lisa Sokolik
Other: Kevin Lavering - SnoPUD, Tom Hovde - SnoPUD, Steve Shepro - PTAC

The full meeting agenda packet with detailed information can be found on the City's website at www.ci.stanwood.wa.us

1. PUD Transmission Lines on Lover's Lane – Kevin Lavering, PUD

Kevin Lavering and Tom Hovde from Snohomish PUD attended the Public Works Committee meeting to present the PUD proposed layout of the new transmission lines on Lover's Lane along the edge of Heritage Park and on SR532 along the edge of Ovenell Park, and to answer any questions; materials handed out are attached to these minutes.

Key points

- Safety: Future lines cannot cross over existing lines. The proposed future lines have to stay on the south side of the existing lines which place the poles on the inside edge of Heritage Park.
- Placement of poles:
PUD can adjust the placement of the poles, e.g. to accommodate for future park entrance shown on the park's master plan.
- Pole type: Will have 3 arms on one side facing north.
- Trees: The row of Arborvitaes along Lover's Lane will be removed. The City can select replacement trees from the PUD catalog, which PUD will plant. The City would like the option to take a tree voucher to use in the future for trees that can be planted in other locations in the park, the city will be responsible for planting trees if using a voucher.
- Design: PUD would like to get the design completed and get pole placement confirmed.
- Timeline: Lover's Lane future line – 2021
Lover's Lane existing line rebuild – 2023
Existing line from North Stanwood Substation along Pioneer Hwy through Silvana – 2021-2022

Committee's Questions *(Mr. Levering emailed answers)*

- Can PUD provide the expected growth capacity that the new transmission lines will create, in terms of houses?
- Does PUD build towers to blend in with the terrain?
- *PUD has standard colors; brown, gray, and green; see attachment - Pole Color Options.*
- What is the distance between poles at Heritage Park?
- *Distance between the poles that are on the opposite ends of the tree'd area next to Lover's Lane (north of Heritage Park parking lot) = appx 430'*
- What is the depth of Transmission Poles?
- *Depth = 14'*
- Stanwood PUD pole yard, can City work with PUD to buy the pole yard for Viking Way?

2. Capital Improvement Plan (CIP)

The Finance Director made a few minor changes to the CIP, so staff has asked the Committee to review the changes before it is taken to full council on October 11th. The Committee did not have any comments or concerns regarding the changes.

3. Disc Golf Course Matching Funds

The Committee supports the idea of adding an additional 9-holes to the disc golf course at Church Creek Park. They directed staff to talk to the Finance Director regarding how to manage the match.

DISCUSSION ITEMS

• Water and sewer availability for BLU Development

Staff discussed with the Committee that Certificates of Water and Sewer Availability are needed before the proposed subdivision for 90 single-family lots, 12 duplex units, and 36 townhouse units at 7510 284th Street NW can be approved. An engineering firm will need to be assigned the task of reviewing and analyzing the City's water and sewer systems to determine available capacity to provide water and sewer service to the proposed subdivision and identify system improvements required to provide service.

With RH2's knowledge of the City's water and sewer systems, staff has asked the committee to recommend to council to hire RH2 to provide this service.

The cost for a Certificate of Water and Sewer availability, no matter the size of the plat, is between \$8,500 - \$9,000. The Committee asked staff to research:

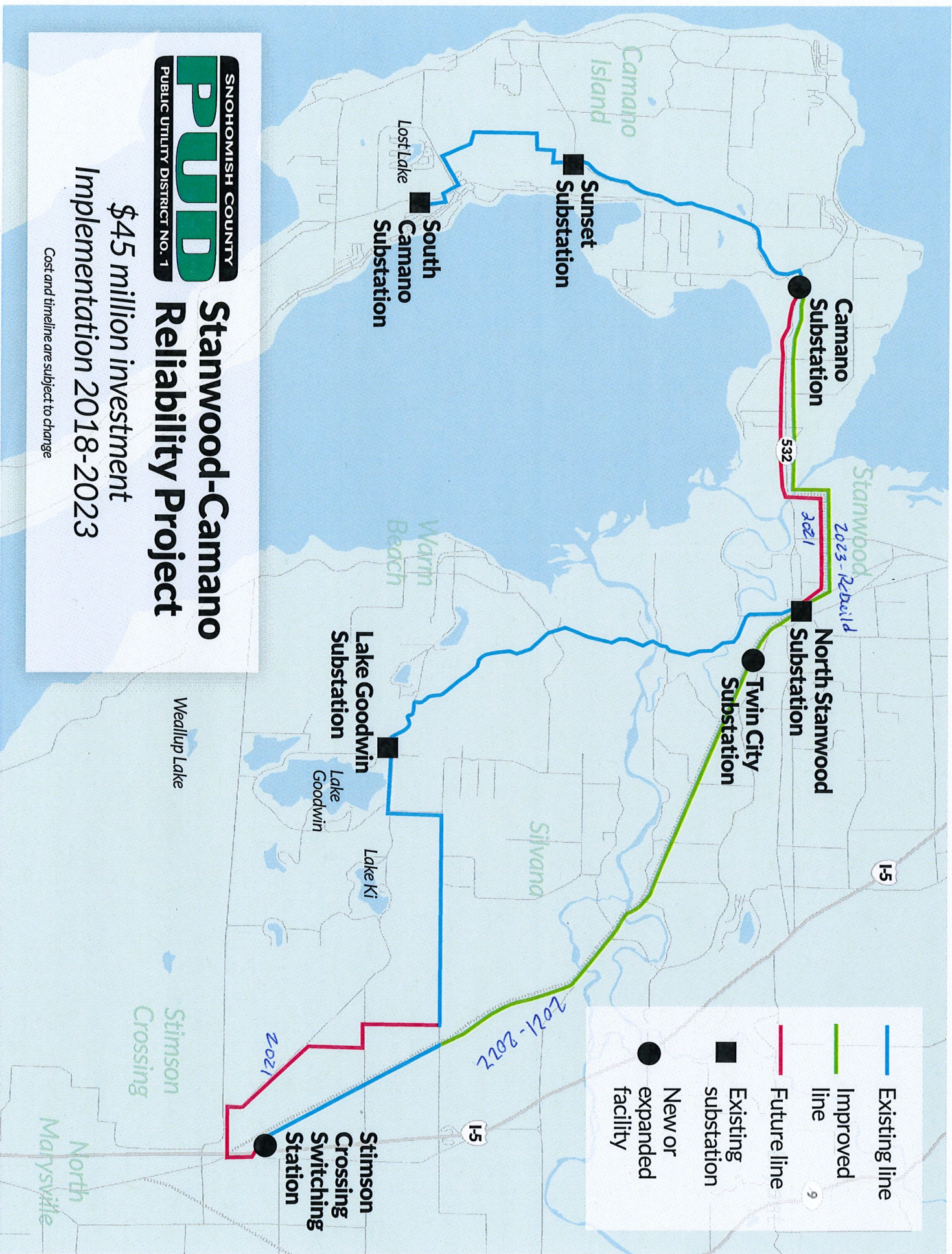
1. Would there be a cost savings if the city purchased the modeling software and performed the work in house?
2. How do other cities get their certificates; hire engineering firms or in-house?
3. How do other cities recoup this cost from the developer; percent, flat rate, per unit?

The Committee also discussed the need for another water reservoir for future growth. If engineers suggest an elevated tank vs a ground level tank, Councilmember Rob Johnson would like to see information regarding seismic activity to be assured that the tank would be structurally sound to withstand an earthquake and that the placement of the new elevated tank would not fall on top of the existing reservoirs.

- **SCADA contract with QCC**

Tetra Tech is one of the City's on-call engineering firms. The City issued Tetra Tech a task order to provide engineering and programming services to upgrade the Wastewater Treatment Plant's SCADA system. Due to some staffing issues, Tetra Tech did not have the proper staff to perform the task. Staff then used the MRSC Roster and decided that Quality Controls Corporation (QCC) had the best qualifications.

The Committee's recommendation is to bring to council on October 11, 2018 with the recommendation to authorize the mayor to enter into an agreement with QCC for the SCADA Equipment Upgrade project.



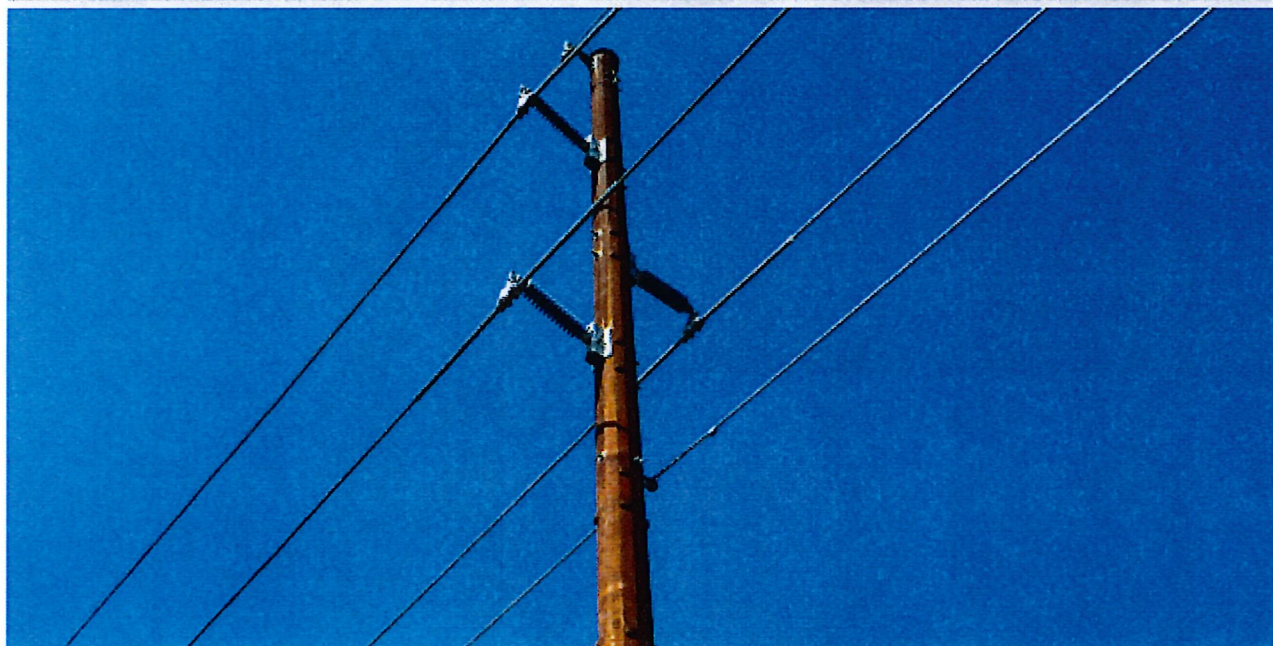
Stanwood-Camano Reliability Project

\$45 million investment
Implementation 2018-2023

Cost and timeline are subject to change

Pole Color Options

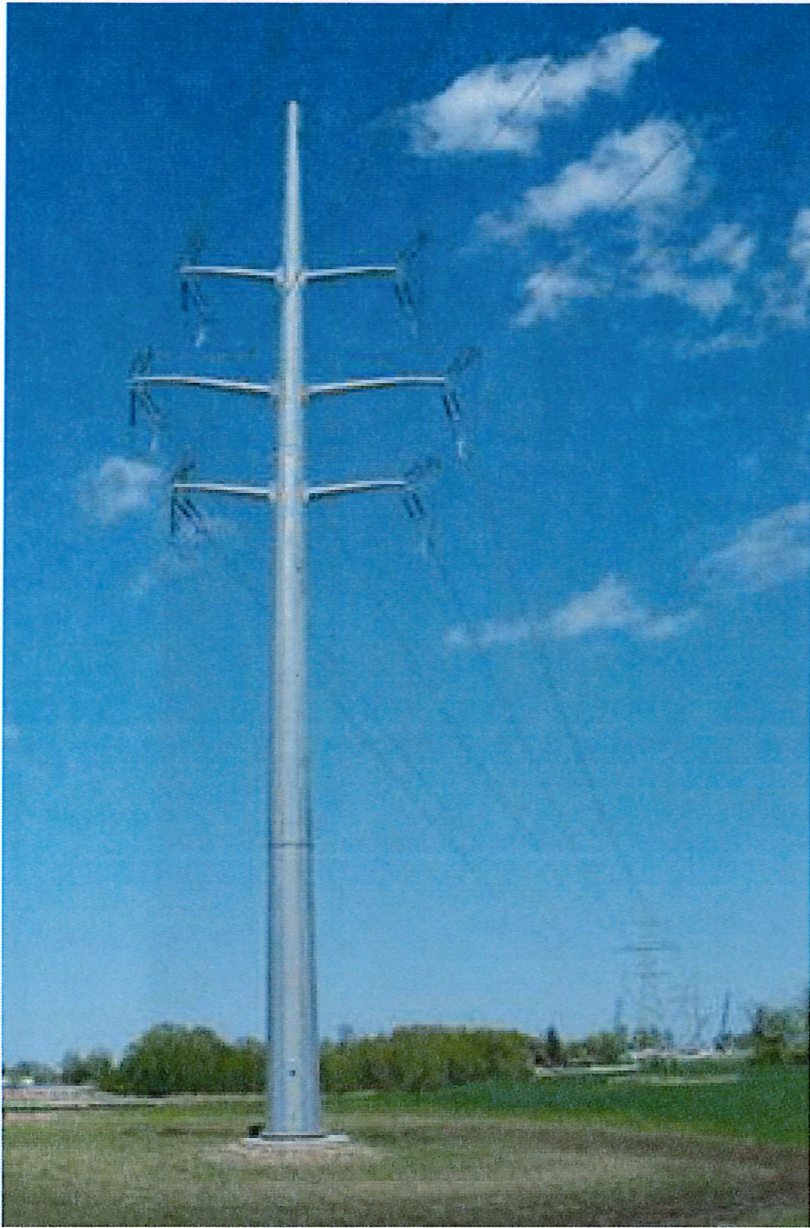
Brown



Gray

Photo Color Options

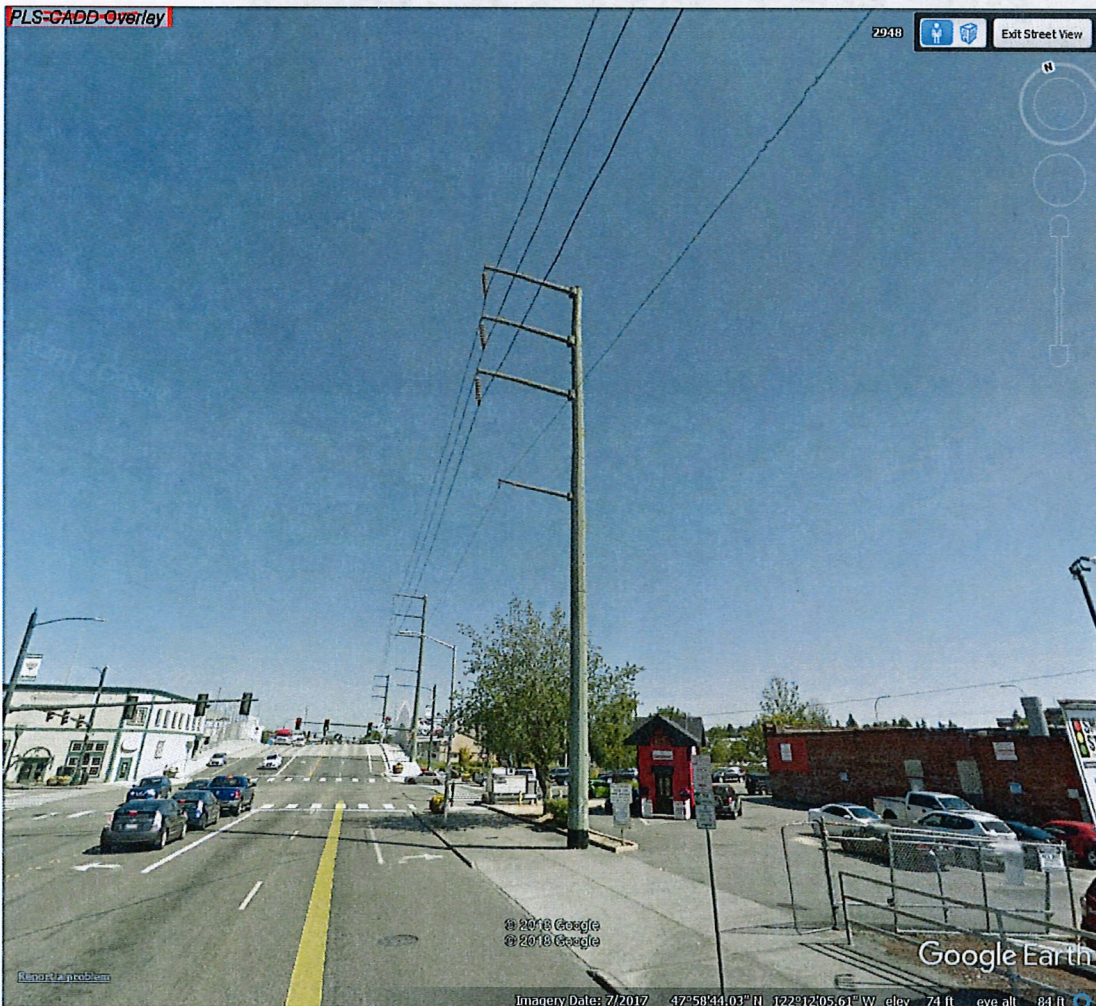
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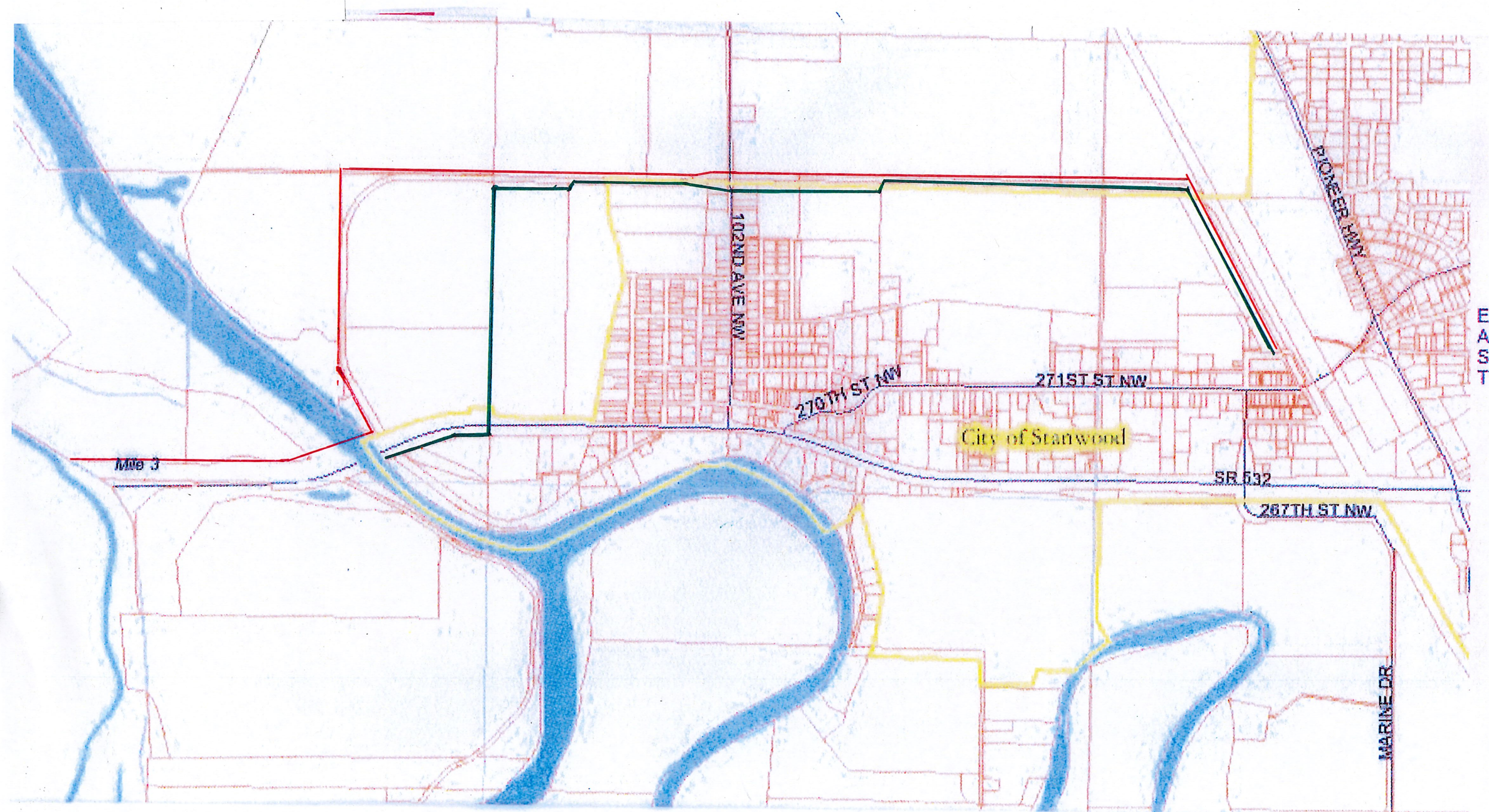


Green



LEGEND:

-  CITY LIMIT
-  NEW 115KV LINE
-  EXISTING LINE TO BE REBUILT



LOVERS ROAD 276TH ST

TRANSMISSION LINE

8/2

LG-NCI 8/1

LG-NCI 7/20

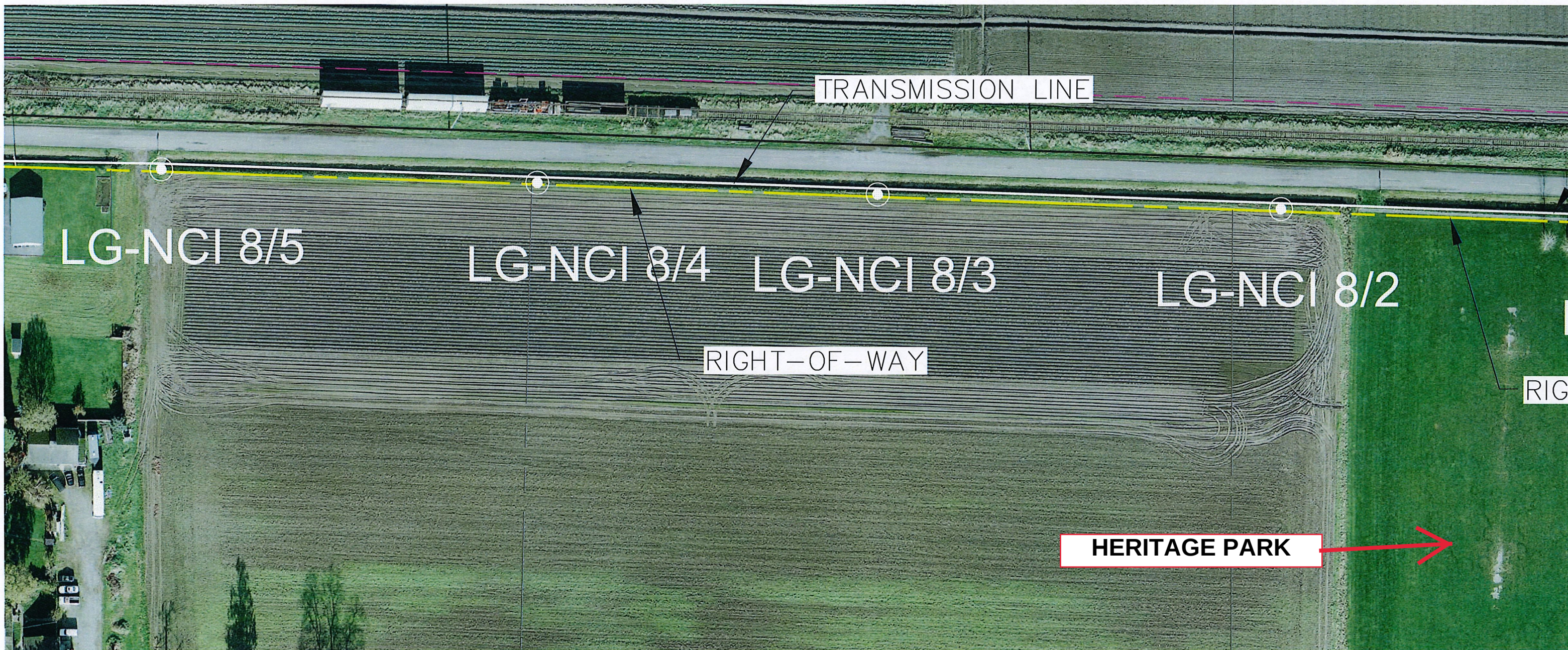
LG-NCI 7/19

LG-NCI

RIGHT-OF-WAY

HERITAGE PARK





LG-NCI 8/5

LG-NCI 8/4

LG-NCI 8/3

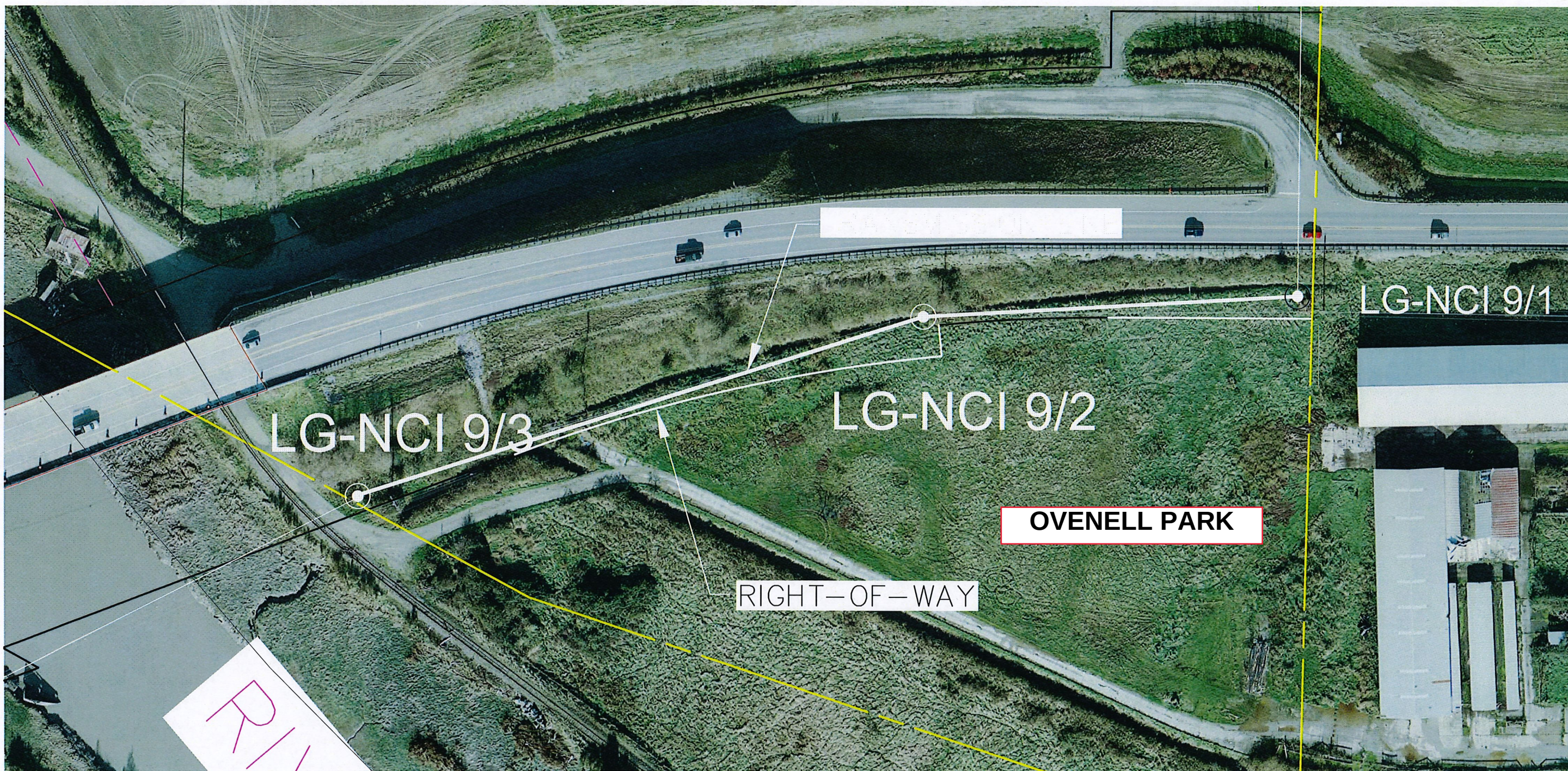
LG-NCI 8/2

TRANSMISSION LINE

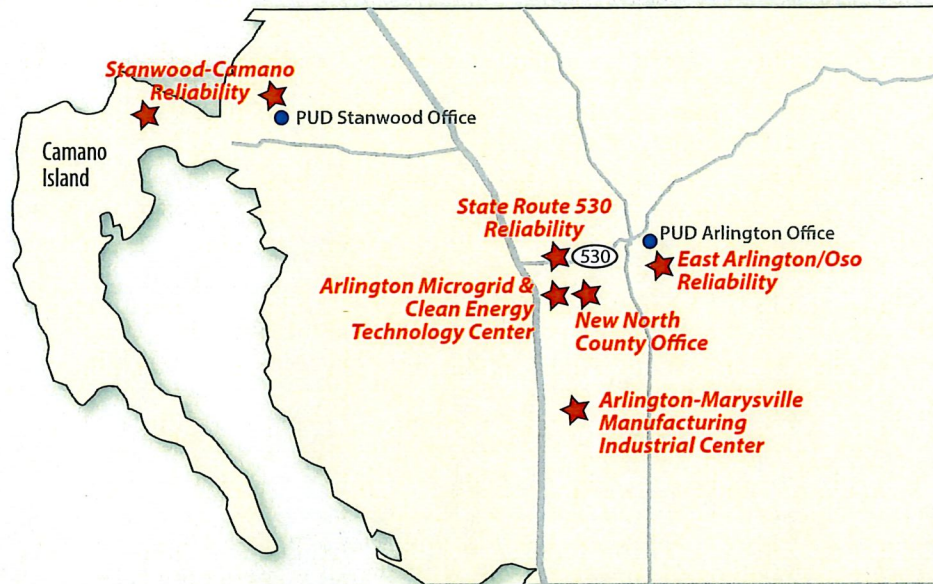
RIGHT-OF-WAY

HERITAGE PARK

RIG



Snohomish County PUD has initiated a series of improvement projects in North Snohomish County to maintain reliability, address growth needs and support economic development. The projects will require investments of more than \$100 million through 2022 and beyond.



Stanwood-Camano Reliability Project – A series of projects will improve reliability in the Stanwood-Camano area, including construction of the new Twin City Substation, a second transmission line to Camano Island, distribution line upgrades and equipment replacements at two existing substations.

East Arlington/Oso Reliability Project – Improvements will upgrade aging high-voltage lines and substations in these communities, including construction of the new Eagle Creek Substation. The work will improve reliability, provide operational flexibility and standardize high-voltage-level systems.

State Route 530 Reliability Improvements – As part of a WSDOT pole relocation project along 12 miles of state highway, the PUD will upgrade poles, wires, switches and other equipment to current utility standards. The project will meet WSDOT safety requirements and enhance reliability in the area.

Support of Arlington-Marysville Manufacturing Industrial Center (AMMIC) – The PUD will work closely with the Arlington and Marysville communities to support a business area aimed at bringing more manufacturing businesses and jobs to the area. Future electrical system improvements will ensure the utility addresses growth and reliability needs as the business corridor develops over time.

Arlington Microgrid and Clean Energy Technology Center – This facility will integrate multiple energy technologies, including energy storage combined with a solar panel array and an electric vehicle-to-grid system that allows both charging/discharging into the grid. It will create a microgrid that can be “islanded” and run independently from the electrical grid. The site will provide educational opportunities for utility staff, the business sector, researchers and local agencies.

North County Office – A new Arlington local office will replace aging facilities that don’t meet the needs of a growing customer base. The PUD is assessing its local offices to create efficiencies in utility operations and ensure quality service to residents and businesses throughout its service territory.

PROJECT	DETAILS	BENEFITS	TIMELINE
STANWOOD/ CAMANO RELIABILITY <i>System Improvements in Stanwood/Camano area</i>	▶ New, second 115 kV transmission line to Camano ▶ Upgrades to existing 115 kV line to Camano ▶ Construction of new Twin City Substation ▶ Upgrades to North Camano Substation ▶ Related distribution system upgrades	▶ Service reliability – these improvements provide the PUD more options to re-route customers to different substations and provide redundancy when needed during outages and maintenance ▶ Modernization of substations and high-voltage lines	Estimated 2018-2022
EAST ARLINGTON/ OSO RELIABILITY <i>Northeast County System Improvements</i>	▶ Construction of new Eagle Creek Substation and upgrades to the East Arlington Substation ▶ Rebuild of the East Arlington Substation with a high reliability six breaker ring bus ▶ Upgrade legacy 55kV lines to 115kV lines between the Oso and East Arlington Substations including fiber optic cable ▶ Distribution Automation upgrades as part of the PUD's smart grid modernization	▶ Service reliability – these improvements provide the PUD more options to re-route customers to different substations when needed during outages and maintenance ▶ Modernization of substations and high-voltage lines	March 2017 – Summer 2019
ARLINGTON/ MARYSVILLE UPGRADES - Stimson Crossing Switching Station Expansion - Stimson-Stanwood 115 kV Line Rebuild	▶ Expansion of switching station to accommodate new line to Lake Goodwin and feed distribution transformer ▶ An aging Stimson-Stanwood line will be rebuilt to provide more capacity and accommodate improvements in the Stanwood-Camano area.	▶ Service reliability – these improvements provide the PUD more options to re-route customers to different substations and provide redundancy when needed during outages and maintenance ▶ Modernization of aging substations and high-voltage lines	Substation: 2020-2021 115 kV Line: 2021-2022
SR 530 RELIABILITY	▶ Relocate poles, lines and equipment along 12 miles of roadway	▶ Modernizes equipment, improves reliability and meets WSDOT safety needs	2019
SMOKEY POINT SUBSTATION REBUILD	▶ New switchgear and transformer equipment, plus additional transmission and distribution lines	▶ Enhanced reliability and in support of the Arlington-Marysville Manufacturing Industrial Center (AMMIC) and other customers	2017-2018
ARLINGTON MICROGRID AND CLEAN ENERGY TECHNOLOGY CENTER	▶ 1 MW/1 MWh-Battery Energy Storage ▶ 500 Kilowatt Solar Array with Inverters ▶ Electric vehicle-to-grid system ▶ Microgrid control system and building energy management system ▶ Clean Energy Technology Center	▶ Grid resiliency ▶ Disaster recovery and local office backup ▶ Renewable energy integration ▶ Grid support & ancillary services ▶ Vehicle-to-grid integration	Design: 2017-18 Construction: 2018 -2020 Startup: First Quarter 2020



**CITY OF STANWOOD
PUBLIC WORKS COMMITTEE
AGENDA STAFF REPORT**

ITEM NUMBER:

DATE: January 7, 2019

SUBJECT: Supplemental No. 1 to QCC contract for SCADA work

CONTACT PERSON: Kevin Hushagen, Public Works Director

ATTACHMENTS: A - Supplemental No. 1

ISSUE

The issue in front of the Public Works Committee is an update on a previously discussed item that is going to full Council January 10, 2019.

SUMMARY STATEMENT

Recently a contract with Quality Control Corporation for engineering and programming of the SCADA/Telemetry system at the WWTP was authorized and entered into. At that time it was thought the necessary equipment (hardware and software) would be purchased separately and was put out for competitive pricing. The responders for pricing could not supply the necessary equipment due to sole sourcing and availability. QCC can supply the remainder of the equipment so a contract amendment is needed to allow for the project to continue.

**SUPPLEMENTAL AGREEMENT NO. 1
TO
PROFESSIONAL SERVICES AGREEMENT 2018-54
FOR
CITY OF STANWOOD**

This Supplemental Agreement No. 1 is made and entered into on the **10th day of January, 2019**, between the CITY OF STANWOOD, hereinafter called the "City" and QUALITY CONTROLS CORPORATION, hereinafter called the "Consultant."

WITNESSETH THAT:

WHEREAS, the parties hereto have previously entered into an Agreement for consultant services regarding engineering and programming services for the WWTP SCADA computer upgrade, hereinafter called the "Project," said Agreement being dated October 11th, 2018; and

WHEREAS, both parties desire to supplement said Agreement, by expanding the Scope of Services to include the purchase of equipment for the SCADA upgrade and to amend the total amount payable for this Agreement,

NOW THEREFORE, in consideration of the terms, conditions, covenants and performance contained herein or attached and incorporated, and made a part hereof, the parties hereto agree as follows:

Each and every provision of the Original Agreement for Professional Services dated October 11, 2018, shall remain in full force and effect, except as modified in the following sections:

1. Article II of the Original Agreement, "SCOPE OF SERVICES", shall be supplemented to include the Scope of Services as described in Exhibit A1, attached hereto and by this reference made part of this Supplemental Agreement No. 1.

2. Article IV of the Original Agreement, "OBLIGATIONS OF THE CITY", Paragraph IV.1 Payments, Section (a), the second sentence is amended to include the additional Consultant fee of **\$ 56,505.07** and shall read as follows: "In no event shall the compensation paid to Consultant under the Agreement **exceed \$136,715.39.**"

The Total Amount payable to the Consultant is summarized as follows:

Original Agreement	\$ 73,520.00
Plus tax	\$ 6,690.32
Supplemental Agreement No.1	\$ 56,505.07
Grand Total	\$136,715.39

IN WITNESS WHEREOF, the parties hereto have executed this SUPPLEMENTAL AGREEMENT NO. 1 as of the day and year first above written.

CITY OF STANWOOD

QUALITY CONTROL CORPORATION

By: _____
Leonard Kelley, Mayor

By: _____
James Cross, Vice President

ATTEST/AUTHENTICATED:

City Clerk

APPROVED AS TO FORM:

City Attorney



5015 208th. St. S.W. Suite 1-B
Lynnwood, Washington 98036
Phone (425) 778-8280
Fax (425) 778-4541

Quotation

December 13, 2018 Quote Number: Q3291C.

To: City of Stanwood
Shawn Smith, City Engineer

Project: SOFTWARE PRICING for Stanwood WWTP SCADA Computer Upgrades,
Engineering & Programming Services.

Reference: Wastewater SCADA Master Plan "October 2017"

Revision Date: 12/13/18- Software pricing.

Terms: Net 30
FOB: Lynnwood, WA
Freight: Prepaid and allowed

This quote is valid for 60 days.

QCC is pleased to provide quotation for the above referenced project. Quality Controls Corp. (QCC) provides services and materials, FOB Lynnwood, WA. QCC provides the programming, configuration, and software development services complete, including delivery, installation, and commissioning of the new SCADA computers for the Stanwood WWTP SCADA systems. QCC's quoted price does not include tax or the cost to bond this project.

Please call me with any technical questions or me if you have any questions concerning the pricing on this quotation.

Sincerely,
James Cross

5015 – 208th Street S.W. Unit 1B Lynnwood, Washington 98036
Phone: 425.778.8280 Fax: 425.778.4541
Email: JamesC@QCCHome.com

Pricing

Item 1 - WWTP SCADA Software:

A. SCADA Software as listed Below	\$	51,792.00
Sales Tax (9.1%):		4,713.07
Total Price for Item 1:	\$	56,505.07

Clarifications and Exclusions

1. QCC provides software licenses and listed under Item 1 only. All installation, programming, and configuration services are provided under a separate quotation.
2. QCC quotation includes the supply of software licenses only. QCC price includes the first 1-year of product licensing support costs.
3. QCC does **NOT** provide the following unless specifically included in our bill of material:
 - Pipe, tubing, valves or fittings between the instrument and the process.
 - Conduit, wire or cable not integral to instrument or control panels supplied by QCC.
 - Mounting brackets, stanchions, supports or mounting pads not an integral part of the instrument.
 - Labor to install the equipment.
 - The Cost, (if due to local union regulations), to have local craftsman make adjustments or wiring modifications to our equipment during start-up and calibration.
 - Any material or services not in our quoted sections.

Scope of Work

Item #1- QCC provides the following software:

1. SCADA Software Licenses:
 - a. Qty 1 x Allen Bradley FTVIEW SE Server, 100 Display W/RSLink ESD, 9701-VWSS100LENE
 - b. Qty 3 x Allen Bradley FTVIEW Client Site Edition ESD, 9701-VWSCWAENE
 - c. Qty 1 x Allen Bradley FTVIEW Studio SE, Ent EN ESD, 9701-VWSTENE
 - d. Qty 1 x Allen Bradley FTVIEW Historian, 1000 Tag, 9518-HSE1K
 - e. Qty 1 x Kepware Modbus Suite Perpetual License
 - f. Qty 1 x Dream Reports 500tag license
 - g. Qty 1 x Win911 Standard to Interactive license upgrade.



**CITY OF STANWOOD
PUBLIC WORKS COMMITTEE
AGENDA STAFF REPORT**

ITEM NUMBER:

DATE: January 7, 2019

SUBJECT: Detention pond code amendment

CONTACT PERSON: Kevin Hushagen, Public Works Director

ATTACHMENTS: A) Proposed 12.14.040 code language

ISSUE

The issue in front of the Public Works Committee is to determine if a code amendment for detention pond ownership/maintenance is in order and direct staff to prepare the amendment and bring to full Council for adoption.

SUMMARY STATEMENT

Current language in the Stanwood Municipal Code (SMC 12.14.040 (1)) requires that all newly constructed detention ponds, water quality facilities and appurtenant structures for residential plats and short plats be transferred to the City for ownership and maintenance. Subsection (2) of that article further explains that existing facilities outside of the city that annex in shall also be transferred to the City upon annexation. The proposal would renumber the code section to add in that existing stormwater facilities in the city may be transferred for ownership and/or maintenance by deed or easement with agreement from the City.

as part of its publicly owned and/or maintained system and is negligent in its administration of such system. (Ord. 1405 § 1 (Exh. 1), 2015).

12.14.040 Authority.

(1) Newly constructed stormwater facilities, including conveyance systems, detention and water quality facilities and their appurtenant structures, for residential plats and short plats shall be transferred to the city for ownership and maintenance at the time of final plat.

(2) Existing stormwater facilities may be transferred to the city for ownership and/or maintenance by deed or easement with agreement of the city.

(23) Existing stormwater facilities included in an annexation petition shall be transferred to the city for ownership and maintenance at the time of annexation.

(34) Stormwater facilities for commercial developments and multifamily developments shall be maintained by the property owner(s); however, the facilities shall be located within easements that allow emergency maintenance by the city.

(45) Emergency maintenance performed by the city on private stormwater facilities shall be at the cost of the owner(s).

(56) The city shall own and maintain conveyance systems that serve public streets and are located in the public right-of-way or easements dedicated to and accepted by the city of Stanwood. (Ord. 1405 § 1 (Exh. 1), 2015).

12.14.050 Permit required.

(1) It is unlawful for any person to make any connection with any public or private storm sewer without provisions of this chapter in relation thereto, or alter a natural drainage unless a permit to do so has been issued by the city and is in force.

(2) Application for such permit shall be filed with the city stating the name of the owner, the correct address and legal description of the property to be served, dimensions and locations of any buildings or hard-surfaced improvements on the property and the whole course of the private storm sewer from the public storm sewer or other outlets and any connection with the building or property to be served. The application shall be submitted to the public works director for approval, who may change or modify the same and designate the manner and place in which such sewer shall be connected with the public storm sewer, and he shall endorse his approval upon the permit application if the same is acceptable to him.

(3) Upon approval of the application, the city shall issue a permit for such work outlining any conditions and requiring inspection.

(4) Upon approval of the application and issuance of the permit, it is unlawful to alter or to do any other work than is provided for in the permit.



**CITY OF STANWOOD
PUBLIC WORKS COMMITTEE
AGENDA STAFF REPORT**

ITEM NUMBER: 1
DATE: October 1, 2018
SUBJECT: PUD proposed transmissions lines on Lover's Lane
CONTACT PERSON: Kevin Hushagen, Public Works Director
ATTACHMENTS:

ISSUE

The issue in front of the Public Works Committee is listen to a presentation from Kevin Lavering, PUD, on proposed transmission lines on Lover's Lane.

SUMMARY STATEMENT

Staff was contacted by PUD staff member Kevin Lavering requesting a future installation of redundant transmission lines on the south side of Lover's Lane in front of Heritage Park.

DISCUSSION

PUD is looking to add redundant transmission lines on the south side of Lover's Lane and is seeking an easement from the City to allow for this to happen. Their design team is to provide a conceptual plan on the layout and impacts to the City's ROW and present to the committee.