

February 16th, 2001

St. Peter Sanitary District

The St. Peter Sanitary District Commission met for a working meeting on Friday, February 16th, 2001, at 10:00 a.m., at the offices of Foth & Van Dyke. Members present were Chairman Jim Hovland, Commissioners Mike Freund and Adolph Schneider, Recording Secretary Brenda Schneider. Also present were Steve Marman and Glen Vierkant, Foth & Van Dyke, Neal and Bill Nett.

The Chairman called the meeting to order.

The Commission received the Evaluation and Cost Effect of Adding Selected Areas to the Area 1 Wastewater Collection System prior to the meeting. The Commission and engineers discussed the following:

- ☐ The mil rate would help pay for the additional capacity of the main interceptor,
- ☐ User charge should defray fixed costs (capital costs) and variable costs (operation and maintenance),
- ☐ Special assessment of \$11,000/20 years or 40 years,
- ☐ Special assessment cost methods of front foot and rooftop,
- ☐ Connection /lateral charge,
- ☐ Possible exemption for replacement systems installed after 6/15/98,
- ☐ Deferment of vacant lots,

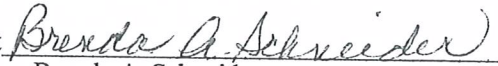
The Commission and engineers spent considerable time evaluating the costs associated with the different scenarios possible for Area 1 and extensions.

Foth recommended additional study in order to be better prepared for the informational meeting.

Adolph Schneider motioned to ask Foth to do additional studying of Area 1 and extensions A-F and the entire district, providing cost quotes using \$1.00 mil rate/\$45.00 user charge/50% deferment of vacant lots and \$1.45 mil rate/\$45.00 user charge/50% deferment of vacant lots, including an evaluation of the impact of rebates, seconded by Mike Freund. Motion carried (3-0).

Adolph Schneider motioned to adjourn, seconded by Mike Freund. Motion carried (3-0).

Attest



Brenda A. Schneider
Recording Secretary

March 6th, 2001

St. Peter Sanitary District

The St. Peter Sanitary District Commission met on Tuesday, March 6th, 2001, at 12:00 p.m., at the Town Hall. Members present were Chairman Jim Hovland, Commissioners Mike Freund and Adolph Schneider, Recording Secretary Brenda Schneider.

The Chairman called the meeting to order.

Addendum #1 to the contract was received and reviewed by each commissioner prior to the meeting. Addendum #1 is the scope of work and costs related to evaluating the feasibility and costs associated with servicing the entire district. Jim Hovland motioned to approve addendum #1 to the contract with Foth & Van Dyke, seconded by Adolph Schneider. The Commission discussed several aspects of the project. Motion carried. Mike Freund did not vote and did not verbally abstain.

The Commission agreed to meet for a working meeting at the offices of Foth & Van Dyke on Friday, March 16, 2001, at 10:00 a.m.

Jim Hovland motioned to adjourn, seconded by Adolph Schneider. Motion carried. (12:42).

Attest

Brenda A. Schneider
Brenda A. Schneider
Recording Secretary

The St. Peter Sanitary District Commission met for a working meeting on Friday, March 16th, 2001, at 10:00 a.m., at the offices of Foth & Van Dyke. Members present were Chairman Jim Hovland, Commissioners Mike Freund and Adolph Schneider, Recording Secretary Brenda Schneider. Also present were Steve Marman and Glen Vierkant, Foth & Van Dyke, Neal Nett and Jim Wempner.

The Chairman asked if there was any public comment. None was made.

Commissioner Mike Freund questioned the intention of contingency allocation. Foth answered the unknown attorney fees, administration and any unknowns that arise during construction.

Foth's presentation:

- During the Feasibility Study phase, Foth estimated that it would not be cost effective to service the entire district. Estimated assessment of \$20,000.00+.
- Feb. 16th, 2001, Commission resolution approved detailed evaluation of the entire district.
- The District map was revised based on detailed data recently collected. The extensions were expanded based on drainage basins.
- Highway 149 is scheduled for reconstruction in 2003. The state and county will not allow the new road to be excavated in order to install pipe.
- Evaluation of the entire district estimated a special assessment of \$18,000-19,000 after rebates.
- Foth re-evaluated the service area based on three criteria items:
 1. Utilize existing drainage patterns and minimize the number of lift stations.
 2. Address the Hwy. 149 issue
 3. Maintain a special assessment of +/- \$11,000.
- Service area was revised based on the criteria items.

Jim Hovland motioned to present at the public informational meeting Foth & Van Dyke's recommended service plan (figure 3 dated March 12th, 2001) with the following changes:

- Delete Linden Drive of Area L
- Add F to service Fine View Road
- Add South portion of K-1, Bittersweet and Highland Drive

Seconded by Adolph Schneider. Commission discussion. Motion carried (2-1), Freund nay.

Mike Freund motion that the Commission meet once a month at an established date and time, prior to the first meeting, the Commission will obtain sample sewer-user ordinances, then compile a draft ordinance prior to seeking professional review, seconded by Adolph Schneider. Motion carried (3-0).

Commission and Engineer discussion:

- Foth will evaluate the impact of the rebate issue prior to the March 29th meeting,
- Evaluated the impact on special assessment based upon the service area changes,
- Full assessment vs. deferment on vacant lots,
- New development construction costs born by the developer. If costs average less than the special assessment, the developer pays the difference to the district upon the sale of the lot. If the costs average more than the special assessment, the developer pays 100% of the costs.
- Install laterals stubs on every lot,
- Use the rooftop/per lot approach,
- 40 % vacant lot deferments plus interest, payable upon construction or sale of property,
- new development-sewer extension would be subject to district approval.

Jim Hovland motioned to utilize the rooftop/per lot assessment approach, all lateral stubs installed when system is constructed, 40% deferment on unimproved lots and future sewer extensions subject to district approval, in presentation on March 29th, seconded by Adolph Schneider. Motion carried (3-0).

Jim Hovland motioned to present at the March 29th meeting, \$1.45 mil rate and \$40.00 a month user charge, seconded by Adolph Schneider. Motion amended by Mike Freund to include the \$1.00 mil rate evaluation and \$40.00 a month user charge, seconded by Adolph Schneider. Amended motion carried (3-0). Original motion carried (3-0).

Jim Hovland motioned to adjourn, seconded by Mike Freund. Motion carried (3-0).

Attest

Brenda A. Schneider

Brenda A. Schneider
Recording Secretary

The St. Peter Sanitary District Commission conducted a public informational meeting on Thursday, March 29th, 2001, at 7:00 p.m., at the Town Hall. Members present were Chairman Jim Hovland, Commissioners Mike Freund and Adolph Schneider, Recording Secretary Brenda Schneider. Also present were Attorney John St. Peter and Steve Marman and Glen Vierkant, Foth & Van Dyke.

The Chairman called the public informational meeting to order. The Chairman explained that the Commission in preparation for the meeting held two working sessions.

Steve Marman and Glen Vierkant gave a presentation of the district's sewer project.

Public comment and questions as submitted by written comment forms:

- How many failing systems?
- Can the district conduct mandatory septic inspections of existing systems?
- Can the special assessment be paid in a lump sum?
- Eligibility for rebates was explained.
- Can Park Ridge/Abler Road be included in initial construction?
- Could temporary holding tanks be installed in the Park Ridge area?
- Phase I has been enlarged from the original project.
- Actual costs to Kiekhaefer Parkway property owners would be estimated at \$30,000. Owner would prefer to invest the money for his family.
- Vacant lots would not be deferred.
- Timeline of the project.
- Those not included in Phase I would be penalized by increased future construction costs.
- How long would we have to hook-up?
- Future capacity needs were discussed.
- Is the mil rate tax deductible?
- Ledgeview Springs would require blasting for rock removal. Owner concerns of property damage.
- What would the interest rate be? Interest would be on the special assessment only.
- Property west of Hwy. 151 are not included in the district.
- Plan favors certain developers.
- The object of the project was to prevent future well problems. Owner does not feel the plan meets the objective.
- Reviewed the annual costs.
- A specific area petitioned out of the service area. The Plan includes the area in Phase I. Owner objects to being included in Phase I.
- Full assessment of vacant/unimproved lots.
- Owner building soon and needs to know whether or not he should install a mound system.
- Owner on Fine View Road has not been experiencing any problems but he's included due to the proposed adjacent development.
- It may be more cost effective to replace failing systems than to sewer.
- Owner suggested doing all or nothing. He does not like phases.
- How complete is the plan as far as depth of sewer lines? When will the design be computed?
- Owner concern of the need for grinder pumps for low-lying lots.
- Lateral connection would be an additional owner expense.

The engineers, commissioners and/or attorney addressed all public comment and questions.

Jim Hovland motioned to adjourn, seconded by Adolph Schneider. Motion carried (3-0).

Attest Brenda A. Schneider
Brenda A. Schneider
Recording Secretary

The St. Peter Sanitary District Commission met on Tuesday, May 22nd, 2001, at 6:00 p.m., at the Town Hall. Members present were Chairman Jim Hovland, Commissioners Mike Freund and Adolph Schneider, Recording Secretary Brenda Schneider. Also present were Steve Marman and Glen Vierkant, Foth & Van Dyke and Attorney John St. Peter.

The Chairman called the meeting to order.

Steve Marman and Glen Vierkant gave a presentation of the district's sewer project.

Commissioner's comments and questions were as follows:

- Location of two temporary lift stations. Kiekhaefer and 149 and Sunset Drive.
- Explain the grinder pumps. They are either collector or individual. They are shallower and use smaller pipe. Eight to nine easements will be needed from private property owners.
- Areas J, K, L1, M and N are not included. \$11,000 is the affordability test. The assessment needed if these areas were included would be approximately \$14,700.
- The State determines what is fair and equitable with rebates.
- Unsewered lots must have enough land for an alternate on-site system. They will have a problem once both sites are used.
- The special assessment on ag zoned land would be deferred until if and when it is developed.
- Foth reviewed the age of the systems in the Linden Drive area. All of them are post-1981. The other areas are a mix of pre- and post-1981.
- The mill tax is planned for 20 years. It is current projected to be \$1.45.
- DNR letter two years ago mentioned future need for municipal water. Fixing the sanitary issue may not fix the water problems. Eliminate as many sources of pollution as possible and reduce the amount of potential pollution.
- Gov. McCallum modified the DNR 2/3s rule and put a lot of money into the Clean Water Fund. The district could also evaluate income in certain areas looking for pockets of low to moderate income.

Public comments and questions addressed by the engineers, commissioners and/or attorney were as follows:

- The cost to service Kiekhaefer Parkway is estimated at \$843,000 vs. \$250,000 for the lift station.
- The cost of rock removal is not yet determined.
- Statutes require a petition process to remove the appointed commissioners. The petition is presented to the Town Board. The Town Board must call an election. It's about a three month process. The current commissioners would remain in authority until, if and when, an election occurs.
- Statutes require action by the Town Board to put a referendum question on a ballot. Attorney St. Peter noted that a referendum would be advisory only and the district property owners would pay for the election.
- Hook-up as many areas as possible unless there is a greater increase.
- The planned timeline is substantial completion in April, 2003 and final completion in June, 2003.
- It is estimated that 30% of systems are failing. 156 out of 176 identified for immediate replacement in the proposed Phase 1.
- The Commission determines which areas are in or out.
- The deferred vacant lot assessment would need to be paid when used for residential purposes or possibly when sold.
- The Ledgerview Springs area is in Phase 1 because 12 out of 18 systems were installed prior to 1981. Pre-1981 homes have conventional systems that are no longer allowed in the area due to typical soil types.
- The Commission could exclude the Edgewood Lane area.
- Fineview is included due to expected new development in the area. Two thirds of the homes located on Fineview were built prior to 1981.
- New development will need to be sewered if cost-effective and feasible.
- The property owner will pay for the removal of the existing system. Cost varies based upon size and type. Removal estimated at \$1000-1500. It's about \$200 to crush and fill the old system.
- The special assessment installment payments will start when the rest of the financing is in place. A notice will be mailed to all property owners.

- A resident was impacted by a proposed sewer project west of Green Lake. People were upset about the cost. The commissioners resigned. The project eventually started over and went on for years. More and more septic systems failed. A treatment system was built. The cost was more than double the first project. The cost of this project will only increase as time goes by.
- The commission will have to address the issue of rebates in the near future.

A show of hands was asked of those opposed to any project. No hands were raised. A show of hands was asked of those that dislike the project as currently designed. A number of hands were raised.

Public comment period was closed at this time.

The Commission expressed appreciation of the comments and questions. They represent an entity of democratic government noting that communications, letters and calls have not been ignored. It is their duty to be fair and equitable to the entire district. If the entire district is sewerred, the per-lot special assessment would be \$20-25,000. Based upon the facts, they won't be able to please everyone. If you're not satisfied, please approach the Commission with your neighbors.

The Fond du Lac County Highway Commissioner, Ernie Winters, wants to meet with the Commission. He has indicated that the County will not allow cutting through the highway after it is reconstructed.


The area of greatest need is 1A and 1B with 156 pre-1981 systems out of 176 homes.

Mike Freund motioned to continue with the project for the area of greater need, 1A, 1B and C, to the Deadwood Point Road interceptor, seconded by Jim Hovland. After a brief discussion as to whether or not other areas may be accepted, motion carried (3-0).

Mike Freund motioned that the Commission is willing to expand the project area to include additional areas along the main interceptor as part of this project, second by Adolph Schneider. Motion carried (3-0).

Mike Freund motioned to adjourn, seconded by Adolph Schneider. Motion carried (3-0).

Attest



Brenda A. Schneider
Recording Secretary

June 6th, 2001

St. Peter Sanitary District

1.

The St. Peter Sanitary District Commission met on Wednesday, June 6th, 2001, at 5:00 p.m., at the Town Hall. Members present were Chairman Jim Hovland, Commissioners Mike Freund and Adolph Schneider, Recording Secretary Brenda Schneider.

The Chairman called the meeting to order.

A petition was presented, signed by all of the property owners of the Park Ridge subdivision. The owners have requested to be included in the service area of the sanitary district.

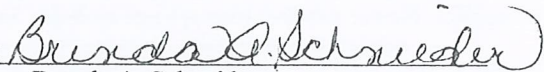
The outlots of the subdivision have restrictive covenants that would make the outlots unbuildable. Some of the outlots did not pass perc tests. A couple of the outlots also have cliff erosion problems. The developers were also sensitive to preserving the integrity of the Ledge.

The Commission reviewed the estimated cost of the extension and determined there would be no impact to the special assessment.

Jim Hovland motioned to accept the petition from the Park Ridge property owners and to add Park Ridge into the Phase I construction of the sewer service area of the sanitary district, seconded by Mike Freund. Motion carried (3-0).

Mike Freund motioned to adjourn at 5:30 p.m., seconded by Adolph Schneider. Motion carried (3-0).

Attest



Brenda A. Schneider
Recording Secretary

July 24th, 2001

St. Peter Sanitary District

1.

The St. Peter Sanitary District Commission met on Tuesday, July 24th, 2001, at 5:30 p.m., at the Town Hall. Members present were Chairman Jim Hovland, Commissioners Mike Freund and Adolph Schneider, Recording Secretary Brenda Schneider.

The Chairman called the meeting to order.

A petition was presented, signed by a majority of the property owners of the Sunset Drive area and the Evergreen Court area. The owners have requested to be included in the service area of the sanitary district.

The Commission reviewed the estimated cost of the extension and determined there would be no impact to the special assessment.

Jim Hovland motioned to accept the petitions, signed by a majority of the property owners, from the Sunset Drive area and the Evergreen Court area and to add the two areas into the Phase I construction plans of the sewer service area of the sanitary district, seconded by Adolph Schneider. Motion carried (3-0). Foth will be advised of the addition to the project.

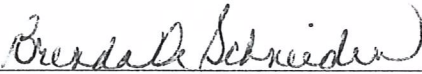
Mike Freund commented that they need to address the rebate issue. He expressed disappointment that some systems went in recently. All vacant property needs to be sewered before homes are built.

Some systems are 25-30 years old and are probably in need of replacement. Adolph added that with the high ledge rock, properly functioning systems may be discharging through cracks down to an aquifer. Newer subdivisions are not included in Phase I due to the increase in construction cost.

Adolph has received correspondence of interest in service from Edgewood and Hillcrest. He noted this is close to Sunset Drive. Foth will be contacted for an opinion.

Mike Freund motioned to adjourn, seconded by Adolph Schneider. Motion carried (3-0).

Attest



Brenda A. Schneider
Recording Secretary

The St. Peter Sanitary District Commission met members of the Fond du Lac County Highway Commission on Wednesday, August 15th, 2001, at 1:30 p.m., at the Fond du Lac County Highway Offices. Members present were Chairman Jim Hovland, Commissioners Mike Freund and Adolph Schneider, Recording Secretary Brenda Schneider. Also present were Ernie Winters, Fond du Lac County Highway Commissioner, Mark Klipstein, D.O.T., Bill Moore, Earth Tech, Jerry Guelig, Tim Simon, Bill Holzbach, resident, and Steve Marman and Glen Vierkant, Foth & Van Dyke were late due to traffic delays.

Highway Commission Chairman Ray Panzer called the meeting to order.

Project background:

- The County is in a reversion program through the state to take over Hwy. 149
- Hwy. 149 reconstruction is scheduled for 2003
- When the road is open is the perfect time to lay sewer pipes
- The County does not want the road opened after it's reconstructed

Sanitary District status:

- May 22nd meeting removed some areas from the sewer service area
- Since the meeting, petitions have been received to add areas back into the sewer service area
- Most of the preliminary work for the sewer service area is complete
- The project design will be completed over the winter with bid letting in the spring

Dept. of Transportation status:

- Hwy. 149 will be reconstructed from Peebles to Cty. W (area within Taycheedah)
- Bike path from Fairfield Drive to Peebles then connecting with the 151 bypass
- Curb & gutter will be installed in Peebles and from west of Lakeview Drive to Glen Street
- The hills will be lowered and the curves straightened
- Right-of-way plat has been submitted to the state
- All intersections will be altered to current standards

Timeline:

- Plan completion Oct. 2002
- Bid letting April 2003
- Start construction May/June 2003
- Probably a two year project
- Sanitary district construction should be done before or during the reconstruction project
- The state will need to review the sanitary district plans
- Foth & Van Dyke will need to work with the state and the utilities
- The County will not grant easements after the highway is laid
- Construction moratoriums are not uncommon

Foth & Van Dyke status:

- Bid timeline is on or about Jan. 1, 2002
- Construction in spring
- Final sewer service area plans have to be decided by Sept./Oct.
- District is awaiting DNR approval of the Facilities Plan
- The entire district is in DNR's sewer service area plan for the Fond du Lac Treatment facility
- Facilities Plan is a 20 year plan and is designed for future expansion and development
- The District needs to eventually add Areas H, L1, E & D
- Future means any point in time
- District has approved a resolution that all new development shall be sewerred if cost-effective and feasible
- Facilities Plan includes the intention to lay pipe along all of Hwy. 149
- Special assessments are estimated at \$11,000-12,000
- Piggy-backing the district project with the highway project to take advantage of the cost savings makes good sense
- 149 area will probably be sewerred within the next 20 years
- The project design has flexibility to install main interceptors to be used for potential development and infilling
- The pipe is sized to sewer the whole district in time

August 15th, 2001

St. Peter Sanitary District

2.

- Ledgeview Springs and Braun development could be serviced through an easement and avoid Hwy. 149. However, several homes on 149 would not be serviced.
- Foth has not focused further on any other areas other than the approved service areas. They are waiting for additional direction from the district.
- Layouts have been completed on the entire district with the use of topol maps
- The addition of Kiekhaefer Parkway would eliminate a forced main
- 1-2 lifts stations and the forced main would depend upon whether or not Kiekhaefer Parkway is added to the service area

Earth Tech status:

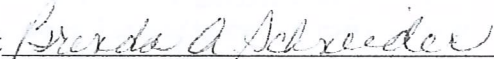
- The Ledge will not impact the highway project but it will the district's project
- 10-foot separated bike path could be used as a trunk system for the sewer project

Highway Commission stance:

- The District needs to get their project done before 149
- A moratorium of at least 5 years will be put on 149
- The District needs to make their decision within 3-4 weeks

The District will conduct a meeting in the near future. Foth & Van Dyke and Ernie Winters will attend.

Attest



Brenda A. Schneider
Recording Secretary

The St. Peter Sanitary District Commission met on Thursday, September 13th, 2001, at 6:00 p.m., at the Town Hall. Members present were Chairman Jim Hovland, Commissioners Mike Freund and Adolph Schneider and Recording Secretary Brenda Schneider. Also present were Steve Marman of Foth & Van Dyke and Ernie Winters, Fond du Lac County Highway Commissioner.

Chairman Freund called the meeting to order.

1. Consideration of petition for sewer service received from the K-2 area (Bittersweet, north half of Meadow and south end of Sunset Drive). A petition was received from Area K-2 for sewer service. The petition was signed by 55.9% of the property owners. Jim Hovland motioned to service the K-2 Area with sanitary sewer, seconded by Adolph Schneider. Motion carried (3-0).
2. Discuss the Hwy. 149 reconstruction project. Ernie Winters informed the Commission that the State intends to start the project in 2003. The project will be \$8-9 million and include the installation of storm sewers, curbing and a separated bike path. He also informed the Commission that if the sewer is not constructed along Hwy. 149 before the start of the reconstruction project, the County Highway Commission will place a 5-10 year moratorium on sewer construction along the highway. This means if systems in that area fail; the District will have to install and service holding tanks until the moratorium expires. The State, County and engineer recommend installing the sewer before the highway is reconstructed. No sewer work will be allowed in the right-of-way. Foth could work with the State's engineer to design the pipe location. After further discussion by the Commission, Adolph Schneider motioned that due to the reconstruction of Hwy. 149, all sewer necessary along Hwy. 149 be installed either during or before the highway reconstruction, including all of the connection stubs for Roger Braun's land, Ledgeview Springs Drive, McCabe Road and Kiekhaefer Parkway, seconded by Jim Hovland. Jim Hovland motioned to amend the motion to include the remainder of Area H with Hwy. 149, amendment seconded by Adolph Schneider. Amendment carried (3-0). Motion carried (2-1) Mike Freund voted no.
3. Consideration of a sewer service extension on Hwy. 149. See Item 2.
4. Consideration of a temporary pump station in Hwy. 149 vs. gravity interceptor on Kiekhaefer Parkway. This item was not addressed.
5. Consideration of a sewer service extension to proposed subdivisions and areas impacted; the Roger Braun property, Nett/Feyen farm property, etc. The Commission discussed future extensions to new developments. Jim Hovland motioned that the St. Peter Sanitary District will provide sewer service to a proposed residential development if the property is appropriately zoned for residential development, if it is feasible from an engineering standpoint and if it is cost-effective, also, the developer must attend a consultation meeting with the Sanitary District Commission to discuss all aspects of the potential project before sewer service is to be considered, seconded by Adolph Schneider. Mike Freund amended the motion that the St. Peter Sanitary District shall consult with the financial advisor prior to granting a sewer service extension, amendment seconded by Jim Hovland. Amendment carried. Motion carried.
6. Consideration of a contract for rock location by radar. Rock location could possibly be determined with tests using radar. The cost of testing the service area would be approximately \$5000.00 (\$1000 for the preliminary test and \$4000 for 27,000 ft. of sewer). It would cost approximately \$10,000.00 more for the entire District. The information would be useful when planning extensions. Without the tests, we will have to rely on well logs. Blackjack is in the process of verifying his readings from the preliminary tests. Jim Hovland motioned to proceed with the radar testing, if determined to be feasible, for the whole district, seconded by Mike Freund. Motion carried.
7. Discussion of a sewer ordinance. Foth supplied samples of sewer user ordinances.
8. Discuss correspondence received. A letter was received from Bill Holzbach and John Abler requesting consideration of servicing the Hillcrest Drive and Edgewood Lane area. Foth recommended a review of service feasibility for the area.
9. Consideration of hiring a financial advisor. A financial advisor would determine the best way to finance the project. The Commission will meet with advisors at a future meeting.
10. Discuss recommending the Town Board amend the Zoning Ordinance to disallow the combining of adjoining properties. The Commission will meet with the Town Board to further discuss the problem.

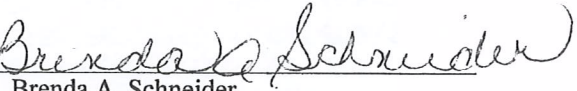
September 13th, 2001

St. Peter Sanitary District

2.

Foth informed the Commission that the District can not submit plans & specs for review without facilities plan approval. Also, the engineer can not design the system without plans & specs.
Adolph Schneider motioned to adjourn by 8:00 p.m., seconded by Mike Freund. Motion carried.

Attest


Brenda A. Schneider
Recording Secretary

The St. Peter Sanitary District Commission met on Monday, October 1st, 2001, at 6:00 p.m., at the Town Hall. Members present were Chairman Jim Hovland, Commissioners Mike Freund and Adolph Schneider and Recording Secretary Brenda Schneider. Also present were Town Chairman Jerry Guelig and Supervisors Tim Simon and Ann Simon. This is a working session with no opportunity for public input.

Chairman Hovland called the meeting to order.

The Commission is concerned about owners combining lots in an effort to avoid the assessment. There are a number of vacant lots within the district.

The Town Board recently approved an amendment to the Zoning Ordinance requiring all new subdivisions be sewerred if cost-effective and feasible. This does not address the existing lots. The Town needs to encourage infill.

The Commission intends to require laterals be installed to every lot during construction. They won't allow numerous cuts into the pipe to install laterals in the future. If an owner doesn't want a lateral, the lot will need to be put into perpetual conservancy.

A recent letter from Eric Fowle noted that assessing vacant lots will encourage infill.

The Town Board would like a letter generated to all vacant lot owners giving the options and explaining the repercussions.

Assessor Bill Huck commented that many of the vacant lots didn't pass perc so the owners were able to buy them cheap. He believes that a vast majority of the vacant lots will be sold once there is sewer.


All established and recorded lots are planned to be assessed. The Commission has discussed deferring a portion of the assessment on vacant lots. The remainder would be paid when the lot is built on.

There are two issues: the joining of two lots; and, the selling of the second lot potentially without a lateral. There is also the concern of future splitting of large lots.

The District needs to hire a financial consultant. The consultant will direct the Commission to decide what's in the best interest of the district.

Adolph Schneider motioned to adjourn, seconded by Mike Freund. Motion carried.

Attest



Brenda A. Schneider
Recording Secretary

The St. Peter Sanitary District Commission met on Wednesday, October 24th, 2001, at 6:00 p.m. at the Taycheedah Town Hall for the purpose of conducting the October monthly meeting. Members present were Chairman Jim Hovland, Commissioners Mike Freund and Adolph Schneider, and Recording Secretary Brenda Schneider. Also present was Attorney Kathryn Bullon.

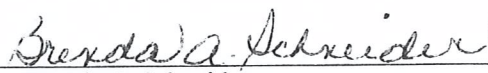
The Chairman called the meeting to order and announced the agenda for the meeting.

1. Discussion and possible adoption of a Resolution Authorizing the District to borrow the sum of money not to exceed \$520,000.00, pursuant to Section 67.12(12) of Wisconsin Statutes. Atty. Bullon explained that the \$520,000 request would reimburse the Town of Taycheedah for all expenditures of the District back to its' formation, cover all engineering costs, legal costs, and financial advisor costs anticipated by the District up to the time when permanent financing would be established. The borrowing would be a short-term note at 3 1/2 % interest rate. Atty. Bullon advises paying interest only until the permanent financing is established. Jim Hovland motioned to borrow \$520,000.00 pursuant to Section 67.12(12) of Wis. Stats., on a 1-year note, seconded by Mike Freund. Motion carried (3-0).
2. Discussion and levy of a mil tax for the District. Atty. Bullon and Brenda Schneider prepared estimated administrative costs for 2002. Atty. Bullon's calculations would require a \$.28 mil rate. Mike Freund motioned to levy a mil rate of \$.25 per \$1,000, seconded by Adolph Schneider. Motion carried (3-0).
3. Discussion and possible adoption of an Addendum No. 2 to Agreement between the District and Foth & Van Dyke for Engineering Services. The addendum requests an additional \$26,105 for additional services rendered. Atty. Bullon stated the Foth is entitled to the additional costs under the current contract. Several of the itemized costs were discussed. The Commission requests further information pertaining to the \$1225.00 for the Fond du Lac County Highway meeting, \$1985.00 for revised project costs pertaining to Kiekhaefer Parkway and \$3,065.00 for preparation of sewer user ordinances. The Commission also requests a breakdown of project costs specifically for the proposed Glacier Ridge subdivision. Jim Hovland motioned to table consideration of the Addendum to the Contract, seconded by Adolph Schneider. Motion carried (3-0).
4. Discussion and possible approval of a Financial Advisor for the District. Letters of Request for Qualifications were sent to three firms. Only one firm submitted an RFQ. Jim Hovland motioned to table consideration of a Financial Advisor due to limited response, seconded by Mike Freund. Motion carried (3-0). Kathryn Bullon will make a couple of contacts.
5. Discussion of a sewer ordinance. Atty. Bullon stated that she could provide a basic ordinance that would serve the District well. The Commissioners discussed several specific issues that would need to be addressed within the ordinance. Jim Hovland motioned to authorize Kathryn Bullon to draft a sewer ordinance for Taycheedah Sanitary District No. 3-St. Peter Area Sanitary District, seconded by Adolph Schneider. Motion carried (3-0).
6. Discuss correspondence received.
 - Holzbach/Abler request for service, dated 7/24/01-Foth is currently evaluating,
 - Tony Reider request to remain unsewered, dated 9/17/01-Foth will evaluate,
 - Darrold Treffert request for service, dated 7/29/01-not cost-effective at this time,
 - Brusky request for service, no date-not cost-effective at the time,
 - Fred Hanson/Sarah Larson request for service, dated 9/17/01- not cost-effective at this time,
 - Bernie Gau request for service, dated 3/5/01-Foth will evaluate.The Treffert, Brusky and Hanson/Larson requests for service will be kept on file for future consideration.

The next meeting will be on Monday, November 26th, at 6:00 p.m.

Adolph Schneider motioned to adjourn, seconded by Mike Freund. Motion carried (3-0).

Attest



Brenda A. Schneider

Recording Secretary

The St. Peter Sanitary District Commission met on Monday, November 26th, 2001, at 6:00 p.m. at the Taycheedah Town Hall for the purpose of conducting the November monthly meeting. Members present were Chairman Jim Hovland, Commissioners Mike Freund and Adolph Schneider, and Recording Secretary Brenda Schneider. Also present were Glen Viercant and Eric Rakers, Foth & Van Dyke.

The Chairman called the meeting to order and announced the agenda for the meeting.

Adolph Schneider motioned to approve the minutes of the October monthly meeting as presented, seconded by Jim Hovland. Motion carried (3-0).

1. Review and possible approval of the preliminary design for construction of the sewer system. The Commission and Foth & Van Dyke reviewed the detailed preliminary designs for the project. Attached is the Project Meeting Summary prepared by Foth & Van Dyke which outlines issues, concerns and corrections. Adolph Schneider motioned to authorize Foth & Van Dyke to proceed with the design and address the concerns compiled during the review, seconded by Mike Freund. Motion carried (3-0).
2. Review of the impact of Glacier Ridge Subdivision extension. The Commission discussed the following issues:
 - Project would not negatively impact the District
 - Address service to existing homes before new development
 - The Town controls the growth
 - The property would benefit by the service

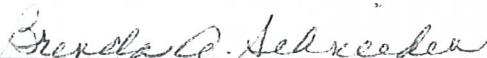
Jim Hovland motioned to provide sanitary sewer service to Glacier Ridge, cost-allocation method will be determined in the future seconded by Adolph Schneider. After further discussion, the motion carried (3-0).

3. Review and possible approval of the individual service requests that have been received. Possible design methods were discussed. Foth & Van Dyke will provide cost calculations for the different methods.
4. Consideration of pursuing Rural Development funding. The Commission would like to meet with a representative of Rural Development to discuss funding. Foth & Van Dyke recommended waiting until after a Financial Advisor is contracted. Foth & Van Dyke will compile the necessary applications and documentation for signature and submittal before 12/31/01.
5. Discussion and possible adoption of an Addendum No. 2 to Agreement between the District and Foth & Van Dyke for Engineering Services. The Commission discussed the charges for Items 1, 2, 4a, 4d and 4e. Mike Freund motioned to approve the Addendum No. 2 with the exception of Item 4e (Construction Phase Multiple Contracts), seconded by Adolph Schneider. Motion carried (3-0).
6. Discussion and possible approval of a Financial Advisor for the District. The District has received a Statement of Qualifications for Baird. There has been no response from Ehlers or Virchow Krause. The Commission will address the issue in the future.
7. Discussion of a sewer ordinance. No update has been received from Attorney Kathryn Bullon.
8. Approval of bills. Adolph Schneider motion to approve the bills as submitted (nos. 1-9), seconded by Jim Hovland. Motion carried (3-0). Jim Hovland motioned to authorize Brenda Schneider to pay the necessary amount for state and federal payroll tax with holding, seconded by Mike Freund. Motion carried (3-0).

The next meeting will be on Wednesday, January 9th, 2002, at 6:00 p.m. Foth & Van Dyke will present the amended construction designs. The Commission will meet with specific property owners to discuss easements prior to the next meeting.

Mike Freund motioned to adjourn, seconded by Adolph Schneider. Motion carried (3-0).

Attest


Brenda A. Schneider
Recording Secretary



Date: November 30, 2001	Scope I.D.: 01S002
File Classification: 5000	
RE: Wastewater Collection System	

To:
Brenda Schneider
Taycheedah Sanitary District No. 3
W2695 Loehr Street
Malone, WI 53049

We are sending you:

- ☒ Attached ☐ Under separate cover via _____ the following items:
☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples
☐ Specifications ☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
1	11/26/01		November 26, 2001 Project Meeting Summary

These are transmitted as checked below:

- ☐ For your information ☐ No exceptions taken ☐ Resubmit _____ copies
☒ For your use ☐ Make corrections noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Rejected (see remarks) ☐ Return _____ corrected copies
☐ For bids due _____ 20 _____ ☐ For review and comment
☐ Prints returned after loan to us ☐ Other _____

Remarks:

There are notes that we prepared based on the November 26, 2001 Commission Meeting as it specifically relates to the wastewater collection system project. I thought it might be of benefit to you in the preparation of your meeting minutes. If you think I should send a copy to each commission member, please advise.

Copy to: Steve Marman, Eric Rakers

Office Location: Green Bay

Signed: Glen Vierkant

Print name: Glen Vierkant

If enclosures are not as noted, kindly notify us at once.

Check Sender Location:
Foth & Van Dyke and Associates, Inc.

◆ **Green Bay**

- ☐ **Corporate Office**
 2737 S. Ridge Road
 P.O. Box 19012
 Green Bay, WI 54307-9012
 920/497-2500
 Fax: 920/497-8516

◆ **Madison**

- ☐ 1402 Pankratz Street
 Suite 300
 Madison, WI 53704
 608/242-5900
 Fax: 608/242-5999

◆ **Minneapolis**

- ☐ 2900 Lone Oak Parkway
 Suite 125
 Eagan, MN 55121
 651/452-4396
 Fax: 651/452-4347

◆ **Des Moines**

- ☐ 2111 Grand Avenue,
 Suite 100
 Des Moines, IA 50312
 515/323-7050
 Fax: 515/323-7087



Project Meeting Summary

Meeting Site: Taycheedah Town Hall

Time: 6:00 p.m.

Participant: Jim Hovland
Adolph Schneider
Mike Freund
Brenda Schneider
Glen Vierkant
Eric Rakers

Representing: Taycheedah Sanitary District No. 3
Taycheedah Sanitary District No. 3
Taycheedah Sanitary District No. 3
Taycheedah Sanitary District No. 3
Foth & Van Dyke
Foth & Van Dyke

Reason for Meeting: Commission Meeting

Summary of Discussion:

1. Review of Preliminary Drawings

Reviewed the preliminary drawings page by page discussing horizontal sewer location, general sewer depth highlighting deep cuts, required easements, houses which can not be served by gravity, laterals, etc. The following are specific comments requiring some action:

- ♦ Flow measurement and sampling will be required at each connection to Taycheedah Sanitary District No. 1 sewer, but do not have details until the Sanitary District becomes a party to the Fond du Lac Contract and they establish design standards.
- ♦ Need to decide if all lots, improved and unimproved will receive a sewer service lateral to the property line.
- ♦ Drawing No. 6 (Deadwood Point Road) - 15" sanitary sewer to MH 4, then start of 12" sanitary sewer.
- ♦ Drawing 7 (Deadwood Point Road/USH "151") - 22' to 24' depth at intersection of Deadwood Point Road and USH "151". May be able to relocate sewer to reduce depth somewhat.
- ♦ Drawing 9 (USH "151"/Silica Road) - Drop manhole at creek. USH "151" crossing with bored in-place steel casing pipe.
- ♦ Drawing 7 through 9 (USH "151") - Sewer is located in USH "151" Right-of-Way. Location will need approval from DOT.
- ♦ Drawing 11 (Silica Road) - Sewer is 23.5' deep at one point. House No. W4062 Silica Rd. cannot be served by gravity - will need an individual grinder pump lift station.
- ♦ Drawing 12 (Silica Road) - Sewer changes from 12" to 10" at MH 25.
- ♦ Drawing 14A (CTH "QQ") - Grinder pump lift station at north end of sanitary sewer on CTH "QQ" with force main to gravity sewer on Silica Road. This not Church Road.
- ♦ Drawing 15 (Abler Road) - USH "151" crossing to be bored in-place steel casing pipe.
- ♦ Drawings 15A & 16B (Park Ridge Road) - Brenda stated that there are conservancy lots along the far side of Park Ridge Road. The deeds state that the conservancy lots cannot be built on. Brenda thought the reason is because the lots are not suitable for on-site treatment systems. The



question is if the lots will become developable when the sewer is available. If not, the sewer length on Park Ridge Road may be shortened. The inside lots along Park Ridge Road will be served from Abler Rd.

- ♦ Drawing 16 (Abler Road) - Will try to raise deeper sewer under the creek. The sewer depth will remain a minimum of 11 to 12 feet deep on Abler Road to provide sanitary sewer service to undeveloped areas west of Abler Road.
- ♦ Drawing 17 (Easement from Aspen Drive to Silica Road) - Will need an easement through property of the gravel pit. The proposed sewer would be located in a driving area of the pit which would allow development on either side if a road was constructed in the same location. The sewer at the intersection of the easement and Silica Road is to be relocated to avoid the deep cut through a hill by the road.
- ♦ Drawing 18 (Aspen Drive) - Cannot serve house no. W4067 by gravity. Will need an individual grinder pump.
- ♦ Drawing 19 (Decorah Lane) - Cannot serve house nos. N8628 Decorah Lane, N8670 Decorah Lane, and N8675 Decorah Lane. Will need individual grinder pumps. Sewer is 15' to 21' deep in this area. Also, would like to get an easement along front of property located at Aspen Drive to eliminate a manhole.
- ♦ Drawing 21 (Lakeview Road) - Cannot serve the last two lots prior to CTH "Q" by gravity. The lots are unimproved and can be served by gravity when sewer is extended along CTH "Q" or with individual grinder pumps in the future.
- ♦ Drawings 22 and 23 (Sunset Drive) - MH 71 drops from 12 feet deep to 22 feet deep to serve Evergreen Court by gravity. Sewer is back to 11 feet deep within 400 feet. The sewer has several drops at manholes. The drops are being proposed to minimize sewer depth upstream of the drop, while providing gravity service to houses downstream of the manholes. When the drop in a manhole is 2 feet or less, special outside drop manholes are not required. The manholes will be standard sanitary manholes.
- ♦ Drawing 25 (Easement from Sunset Drive to Silica Road) - Will need an easement on Pease property, Weber property, and Emerich property. Mike thought Emerich may want the sewer located on the west side of his house along the property line rather than along the east side of his house.
- ♦ Drawing 31 through 33 (Evergreen Court) - 24' to 28' cut though unimproved road right-of-way to serve all of Evergreen Court by gravity. Preliminary planning was to extend sewer from the low area to the north of Evergreen drive through easements to Sunset Drive. The preferred easement location would impact trees, a pool and other restrictions. Because of this, the easement route did not appear reasonable. Foth & Van Dyke will review the alternative to serve the north 12 properties with a grinder pump station and the remainder of the area by gravity sewer with some of the area flowing to Sunset Drive and the remainder to CTH "QQ". Francis Hermanns wants to make sure future service can be provided to the lot to the south of their property on Evergreen Court. She would like a "Y" installed on the mainline sewer that would permit her to have sanitary sewer service in the future.
- ♦ Drawing 34 and 35 (STH "149") - Need to verify the proposed road grades and the affect on the sewer. The sewer at the end east end of STH "149" is only 4.5' deep, but will serve the last house by gravity. The south side of the road is generally high and should be able to have gravity service in the future. The depth of the sewer on the east end of STH "149" controls the depth of sewer

along Glen Street and to the lift station on Schuster Lane. The shallow depth of sanitary sewer along STH "149" minimizes the depth of sanitary sewer for the sewer along Glen Street and to the lift station.

- ♦ Drawing 36 (Glen Street/Easement from Badger Lane to Schuster Lane) - The sanitary sewer at the east end of Badger Lane will be angling across Badger Lane to the Easement in order to avoid trees. Will need easements on Groeschel properties and on Niemeier property. The preliminary planning was to have the lift station on STH "149", but the sewer depths can be reduced by moving the lift station to Schuster Lane as shown.
- ♦ Drawing 37 (Easement from Schuster Lane to Hillside Circle/Hillside Circle) - The sewer is 28' deep at Hillside Circle. May be able to raise somewhat with some adjustments on the north side of Hillside Circle. Will need easements on Wehner properties and on Spangenberg property.
- ♦ Drawing 40 (Badger Lane) - Sewer crosses road at Billene Drive to avoid the gas line. Also, there are fewer driveways to cross with the sanitary sewer on the south side of the road.
- ♦ Drawing 42 (Schuster Lane) - Force main is parallel to the sanitary sewer. Contractor may be able to construct the force main in the same trench as the sanitary sewer. Force main turns north following Billene Drive.
- ♦ Drawing 43 (Schuster Lane) - Sewer will not be extended east of the point where the sanitary sewer turns north. This area is too wet for building.
- ♦ Drawing 44 (Hillside Drive) - Shows the force main turning from Billene Lane to west along Hillside Drive and discharging in the gravity sewer on CTH "QQ".
- ♦ Drawing 45 (Hillside Circle) - Need to review Triatik properties. There are two separate properties with the house on a property that is land locked. The sanitary sewer will be extended to Traitik's driveway so the sanitary service can parallel the driveway.
- ♦ Drawing 46 (Church Road) - Northern lots are served by gravity to STH "149" and the remainder sewer flows to the south to a grinder pump lift station with force main. The force main will discharge to the first sanitary manhole for the gravity sewer flowing to the north on Church Road. This split reduces the number of properties to the lift station to 12 which allows for a grinder pump lift station versus a standard lift station. The change to a grinder pump lift station will result in a substantial cost savings.
- ♦ Drawing 47 (CTH "QQ") - The preliminary planning was to extend the sewer south to STH "149", but the sewer would be very deep. This plan is for the sewer to slope to the low area and then extend south across Par Construction Inc./Rozenenthal property.
- ♦ Drawing 48 (Easement from CTH "QQ" to Taynette Circle) - Will need easements on Rosenthal property, Bertram property, and Gormican Property.
- ♦ Drawings 49 through 52 (STH "149") - Drawings show the differences between existing conditions and proposed road grade. This area flows to the south to the Taycheedah Sanitary District No. 1 sanitary sewer. Flow monitoring will be needed. Need to locate exposed ledge rock. Additionally, Foth & Van Dyke is to meet with the Wisconsin Department of Transportation about scheduling the work with the proposed STH "149" construction to reduce surface restoration by the sewer project.
- ♦ Drawings 52 through 56 (STH "149") - This area shows the sanitary sewer flowing to a lift station at Kiekhaefer. The force main extends south along STH "149" to the first sanitary manhole for the gravity sewer flowing to the south.

- ♦ Drawing 57 (Lake View Drive) - The preliminary planning was to provide a lift station at Bittersweet. This plan shows the sewer 18 feet deep extending south along Lake View Drive by gravity. This eliminates the need for the lift station. Further evaluation will be completed which may move the sewer to the east side of the road. Bernie Gau on Lake View Drive requested sanitary sewer. The property is just north of Bittersweet Lane. However, the ground is sloping to the north. The situation is similar to the Holzbach property described with Drawing 59. The same two options will be evaluated for the Gau property as with the Holzbach property.
 - ♦ Drawing 58 (Bittersweet Lane) - The cul du sac called Country Circle is actually Bittersweet Court.
 - ♦ Drawing 59 (Bittersweet/Edgewood Drive) - Discussed options to serve John Alber property and the Bill Holzbach property. It has been indicated that the Alber property has a failing on-site treatment system and Holzbach property very strongly wants sewer service. The options were to serve these properties without having to require the surrounding properties to connect who do not want sewer service. It was decided that the Alber property will be served by gravity by extending the sewer from Bittersweet Lane to Edgewood Drive north ending at mid-property. In the future to serve the properties to the west along Edgewood by gravity, the sewer would need to be 17' to 18' deep with the sewer 20' deep at the Holzbach property. The property to the south of Holzbach could not be served by gravity. It was decided to evaluate two options to serve the Holzbach property. One option is to install an individual grinder pump lift station on the Holzbach property with the force main extending south along Edgewood Drive to the gravity sewer; and the other option is to extend sanitary sewer along the front of the Holzbach property at the depth that would be required for future extension north along Edgewood Drive, and then installing a grinder pump lift station at the end of the sewer with force main to the south along Edgewood to the gravity sewer. Cost estimates will be provided for each option. (Will not be additional engineering cost for this evaluation)
 - ♦ Drawing 63 (Shady Lane) - Lift station will be required at the west end of Shady Lane with force main extending north along W. Ann Randall to the gravity sewer on STH "149".
2. There is a need to coordinate the sewer work schedule with the DOT and County on STH "149". Bernie Winter has stated they are willing to work the schedules. The intent would be to schedule the work to minimize the amount of temporary surface replacement.
 3. Glen will provide the cost estimates for extending sanitary sewer along Kiekhaefer eliminating the lift station vs the cost of the lift station. Adolph wants to see the cost comparison.
 4. Rock excavation estimates
 - ♦ The ground penetrating radar did not work in the soils in Taycheedah.
 - ♦ Obtained information from the soil bores completed for the STH "149" design. These bores provide some details on the rock depth from Lakeview Road to the south.
 - ♦ Information from the on-site treatment system soil testing in the Sunset Drive area has been obtained. The soil testing information provides some details on the rock depth in the Sunset Drive/Somerset Court area.
 - ♦ Foth & Van Dyke recommended 12 locations for additional soil bores/excavations to determine the rock depth. These locations are proposed to be relatively deep. It would be beneficial to the



project to supply the contractors with information on the rock depth at these deep sanitary sewer cuts.

- ♦ The commission authorized Foth & Van Dyke to work with local contractors to complete the excavations at these locations. The 5 holes excavated by Mark Mand are useful and cost approximately \$850. Foth & Van Dyke will coordinate these excavations.

5. Briefly discussed types of lift stations. The lift station estimated for this project are submersible lift stations. Provided copies of different type lift stations.

6. Easements

- ♦ Adolph will be contacting the individuals that easements are required from and try to schedule meetings to discuss the easements. Adolph will attempt to schedule several meetings for one day, with each meeting lasting approximately an hour. Foth & Van Dyke will meet with the property owners along with the commission members to discuss location and terms of an easement.
- ♦ Also, meetings need to be scheduled with those property owners that cannot be served by gravity. The owners should be notified of the placement of an individual grinder pump station on their property. The sanitary district will need a general easement for access to the individual grinder pump lift station.
- ♦ If possible, the meetings should be held in December. Glen or Eric will attend the easement meetings.

7. Glacier Ridge Subdivision

- ♦ Foth & Van Dyke provided a cost estimate to provide sanitary sewer to the subdivision with service from STH "149".
- ♦ Commission authorized providing sanitary sewer in the Glacier Ridge Subdivision owned by Roger Braun.

8. Briefly discussed Rural Development funding. Glen advised that it would be best to have a representative from Rural Development attend the commission meeting and explain the funding programs that Rural Development has to offer. Also, the commission should have a financial advisor on-board to assist with the financing.

9. Addendum No. 2 to Agreement between the Sanitary District and Foth & Van Dyke.

- ♦ Glen addressed questions regarding services provided for specific items relating to Fond du Lac County Highway Commissioner's meeting, evaluations relating to Kiekhaefer and STH "149" area, and gathering information regarding sewer use ordinances and user charge systems.
- ♦ Commission did not want to act on the option and additional engineering costs associated with the administration of multiple construction contracts. There is an additional services amount of \$36,000 for this work.
- ♦ Commission approved Addendum No. 2 except for Item 4.e. of the summary of costs page in the agreement which amounts to the \$36,000 mentioned above.



10. The Commission approved the preliminary drawings reviewed with further evaluation to be completed as was discussed at the meeting. Foth & Van Dyke will complete drawings to a pre-final product, prepare technical specifications, and prepare revised estimates of probable project costs for discussion at the next Commission meeting January 9, 2001.

Miscellaneous:

The following items were provided to the Sanitary District Commissioners and Brenda and are attached for reference:

- ♦ Ejector Pumps Required Dated November 20, 2001 and revised November 26, 2001.
- ♦ @002 Sanitary Sewer Preliminary Cost Estimate, Glacier Ridge Subdivision, dated November 21, 2001
- ♦ Typical Installation for Duplex Submersible Lift Station
- ♦ Typical Duplex flooded suction close coupled pumps "wet well /dry well" type lift station
- ♦ Interon Power sewer individual type grinder pump lift station.

Ejector Pumps Required
November 20, 2001, Rev. November 26, 2001

Address	Page #
W4062 Silica Road	11
W4067 Aspen Drive	18
N8628 Decorah Lane	19
N8670 Decorah Lane	19
N8675 Decorah Lane	19
N7718 STH "149"	49
N7720 STH "149"	49
N7836 STH "149"	50
N7928 STH "149"	51

2002 SANITARY SEWER PRELIMINARY COST ESTIMATE
GLACIER RIDGE SUBDIVISION
NOVEMBER 21, 2001
01S002

8" SANITARY SEWER	2245 LF	\$32.00 LF	\$71,840.00
4" SEWER SERVICE	594 LF	\$25.00 LF	\$14,850.00
8" X 4" SERVICE BRANCHES	16 EA	\$40.00 EA	\$640.00
4' DIA MANHOLES	90 VF	\$130.00 VF	\$11,700.00
LANDSCAPE RESTORATION	1310 SY	\$1.00 SY	\$1,310.00
ROAD RESTORATION	50 SY	\$25.00 LF	\$1,250.00
ROCK EXCAVATION	200 CY	\$60.00 CY	\$12,000.00

SUBTOTAL CONSTRUCTION	\$113,590.00
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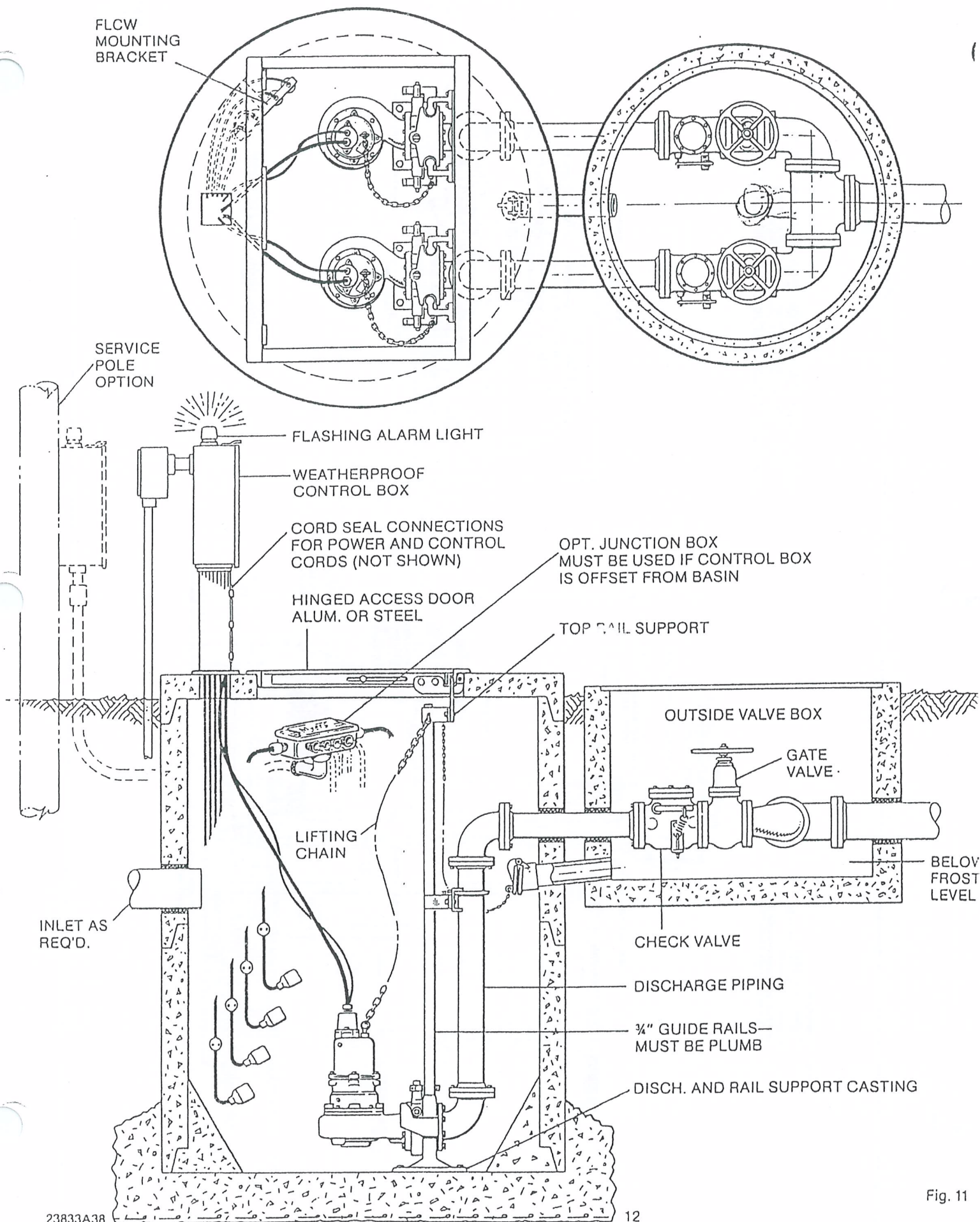
TECHNICAL, ADMINISTRATION, CONTINGENCY	\$36,756.50
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TOTAL	\$150,346.50
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COST PER LOT	\$9,397
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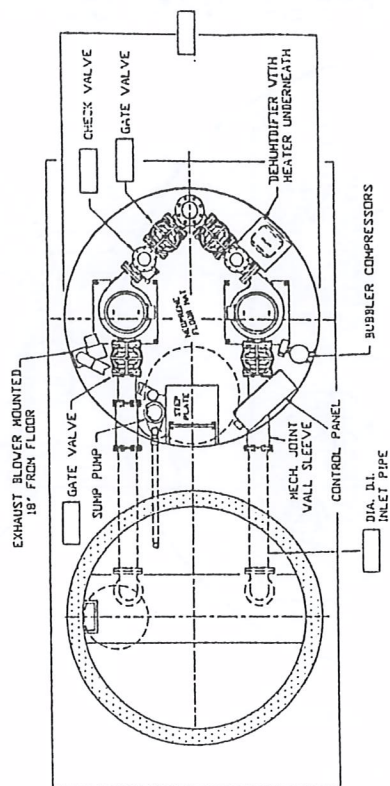
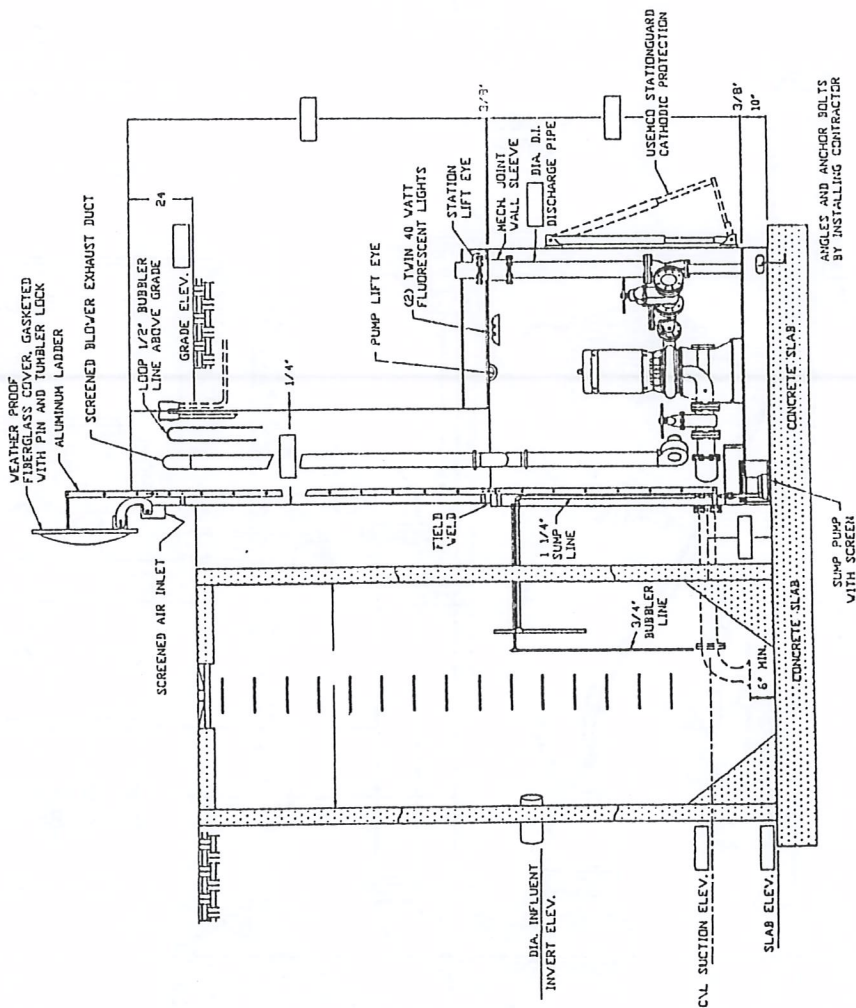
The preliminary cost estimate was based on extending sanitary sewer from STH "149" between Lots 10 and 11 to Jennie Lee Court. The sanitary sewer extends the length of Jennie Lee Court to Fineview Road to provide the potential of serving a portion of the Fineview Road/McCabe Road area in the future. Sanitary sewer also extends the length of Braun Drive to the subdivision limits for future extension. The estimate is based on Preliminary Plat for Glacier Ridge dated June 25, 2001.

TYPICAL INSTALLATION FOR DUPLEX SYSTEM WITH CONCRETE BASIN AND OUTSIDE VALVE BOX



PAINT REQUIREMENTS:
 EXTERIOR BELOW GRADE TAR EPOXY
 1. MILS ABOVE GRADE
 EXTERIOR ABOVE GRADE
 APPLY 2 MILS EPOXY PRIMER AND
 4 MILS PEARL GRAY EPOXY PAINT.

COMPUTERIZED CUSTOM DRAWINGS AVAILABLE
 FOR YOUR SPECIFIC APPLICATION.
 CONTACT YOUR 'USEMCO' REPRESENTATIVE



NOTE:
 PIPING EXTERNAL TO THE LIFT STATION
 MUST BE INDEPENDENTLY SUPPORTED.

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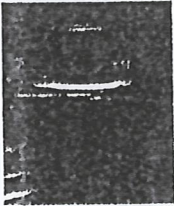
Features & Benefits

1. Nylon Cover



The low profile, nylon cover is rated for a 2500 pound live wheel load. Six bolts are used to secure the watertight cover. Optional, lockable, internal tether prevents unauthorized access.

2. Ultrasonic Level Control



The level controller is a non-contact ultrasonic sensor with no moving parts, is virtually maintenance-free with million cycle reliability.

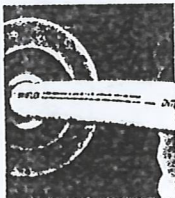
3. Flex Connector

A four foot flexible polyethylene pipe compensates for misalignment between tank and service



line and protects the service line connection from frost heave and tank settlement. The connector is fitted with swaged-on PVC couplings, providing for a solvent welded transition to PVC pipe, valves or fittings.

4. Anti-Shear Discharge



Integrally molded, reverse boss protects the discharge service line connection from the shear forces generated by backfill and tank settlement.

5. Vertical Inlet



The vertical inlet allows for easy up and down and side to side inlet pipe adjustments. The downward inlet also stirs up any solids on the bottom of the tank and directs solids to the grinding plane.

6. Electrical Conduits

Flexible PVC electrical conduits are factory installed to meet the National Electrical Code for direct bury cables. Factory installation saves time and money and also ensures a water-tight cable entry into the control panel located in the shallow dry well.



7. Shallow Dry Well

Integrally molded dry well houses the electrical and sensor junction box, isolation valve and ultrasonic level sensor. Sealed vacuum-formed lid prevents exposure to sewage and odors.



8. Control Box

Electrical connections for the pump and level sensor are protected by a NEMA 6, submersible enclosure with a clear lid for viewing the system status LEDs.



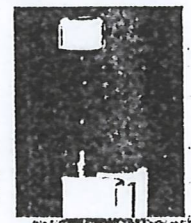
9. Roto-Molded Tank

The large capacity, polyethylene tank provides additional reserve capacity during power outages and requires fewer pump starts, thus maximizing pump life. The integrally molded tank has no welded seams to fail and eliminates the need for fastener penetrations.



10. Pump Quick Disconnect

The quick disconnect system for easy pump removal includes the lift cable, guide rail, hydraulic sealing flange and the quick disconnect power cord.



11. Grinder Pump

Self-regulating two HP centrifugal grinder pump is non-overloading and fully functional from minus 60 to 106 feet of head pressure.

