MINUTES OF REGULAR MEETING OF
THE BOARD OF TRUSTEES OF
DOUGLAS COUNTY LAKE TAHOE SEWER AUTHORITY
September 20, 2023

CALL TO ORDER:

A Meeting of the Board of Trustees of the Douglas County Lake Tahoe Sewer Authority (DCLTSA) was duly convened at 9:30 a.m. on Wednesday, September 20 2023, at the Wastewater Treatment Plant, Stateline, Douglas County, Nevada.

ROLL CALL:

Present were Trustees John McLaughlin, Wes Rice, Jodie Nelson, Andy Huckbody and Keith Fertala.

RECOGNITION OF OTHERS IN ATTENDANCE:

Also present were Authority Manager Rob Hopkins, Authority Controller Paula East-Janicki, Authority Accountant Ying Johnson, Eric Heffernon, Authority Engineer, Rob Anderson, and the Authority's legal counsel, Jim Cavilia. Also present were residents of the Elk Point community, including Marty Bibb, Anne Harry, Cathy Oyster, Linda Hoffman, William Zeller, Richard Rowe and Robert Felton.

PUBLIC COMMENT:

There was no public comment.

APPROVAL OF AGENDA:

It was moved by Trustee Nelson, seconded by Trustee Huckbody and carried unanimously that the agenda be approved and adopted as presented.

MINUTES OF PRIOR MEETING:

It was moved by Trustee Nelson, seconded by Trustee Huckbody and carried unanimously that the minutes of the Meeting of the Board of Trustees of DCLTSA, dated August 16, 2023, be approved as presented.

Discussion regarding correspondence from the Elk Point Sanitation District's Board of Trustees regarding operation and maintenance of the Elk Point Sanitation District sewer collection system.

Authority Manager Rob Hopkins reported that he received correspondence from the Elk Point Sanitation District (EPSD) Board of Trustees, dated September 12, 2023, asking DCLTSA to reconsider its decision to have EPSD take over complete responsibility for its sewer collection system. The correspondence from EPSD complimented and thanked DCLTSA for its years of service with regard to EPSD's infrastructure and also requested that if the system is turned over to EPSD that additional time be provided for the transition.

Mr. Hopkins indicated that it was still his opinion that EPSD should be treated the same as the other general improvement districts that the Authority works with and for that reason the operation and maintenance of the EPSD collection system should be transitioned to EPSD. Appreciating the concerns expressed by the EPSD Board of Trustees, Mr. Hopkins indicated his willingness to extend the time for the transition until the end of fiscal year 2024 (June 30, 2025).

Following Mr. Hopkins' presentation, Chairman McLaughlin invited a representative of EPSD to address the Board. Marty Bibb introduced himself as Chairman of the EPSD Board of Trustees and thanked the Board for the opportunity to present EPSD's position. Mr. Bibb explained that EPSD was a very small general improvement district with only 100 hookups and that the current board of EPSD was made up of experienced individuals who are committed to working with DCLTSA to ensure the EPSD infrastructure is operated and maintained in an appropriate manner to protect the Tahoe environment.

In response to a question from Trustee Huckbody, Mr. Bibb indicated that EPSD was waiting on the results of the recently completed camera assessment of the EPSD system and that the Board had made inquiries about obtaining insurance. Mr. Bibb also indicated that the EPSD Board was working with EPSD's accountant and Summit Plumbing about the best course of action going forward.

In response to an inquiry from Trustee Nelson about improvements to the EPSD system, Mr. Hopkins stated that the Authority had not recently completed any improvements to the EPSD system and had really just been maintaining the existing improvements. Mr. Hopkins added that the results of the camera assessment would be provided to EPSD so that improvements could be prioritized.

Trustee Huckbody asked about the possibility of extending the Authority boundaries to include EPSD and the Authority legal counsel, Jim Cavilia, explained that the boundaries of the Authority are set by the Nevada State statute that created the Authority, and that any modification of those boundaries would require the approval of the Nevada State Legislature and Governor.

Trustee Nelson expressed her opinion that it would be best for EPSD to treated like the other general improvement districts, and she suggested that EPSD may be able to contract with Summit Plumbing to operate and maintain the collection system without having to deal with the Authority. Mr. Hopkins concurred with Trustee Nelson that initially the best course of action would be to establish a relationship with Summit Plumbing. Trustee Nelson added that the results of the line assessment would help EPSD in budgeting for the upcoming years.

Trustee Fertala stated that he agreed that EPSD should be treated like the other general improvement districts going forward, but that he was willing to provide the time necessary for a smooth and safe transition. Mr. Hopkins reiterated his support for the transition to be completed by June 30, 2025.

Chairman McLaughlin opened the floor to public comment regarding the matter. Bill Zeller introduced himself as a resident of Elks Point and stated that it would take some time for EPSD to determine the cost of necessary improvements and upgrades as well as possible methods of financing those improvements. In response to a question from Mr. Zeller, Mr. Hopkins indicated that that the Authority treats the sewage from three other general improvement districts in the Lake Tahoe Basin. Trustee Fertala offered that he and the other general improvement district representatives on the Board would be happy to consult with EPSD about available financing options.

There being no further comment, **it was moved by Trustee Nelson, seconded by Trustee Huckbody and carried unanimously that the time for turnover of the operation and control of the EPSD sewer collection system to EPSD be extended to June 30, 2025.**

MANAGER'S REPORT:

A. General Status Report

Mr. Hopkins presented the Board with a written summary of various general matters related to the Authority and briefly summarized some items in the written report. The written report is incorporated in these minutes by this reference.

Mr. Hopkins reported that he recently met with staff of the Nevada Department of Transportation (NDOT) and Nevada Tahoe Conservation District about the possibility of using an abandoned secondary clarifier site at the Plant for a decanting facility for NDOT vacuum trucks. Mr. Hopkins indicated that no final decision had been made and that he was waiting to hear back from NDOT. Mr. Anderson added some information about the history of discussions with NDOT about locating this type of facility at the Plant. Mr. Anderson indicated that in the past, NDOT had not proceeded because of the limited sight distance in accessing the Plant from US Highway 50.

Mr. Hopkins stated that the Nevada Division of Environmental Protection (NDEP) recently completed a routine compliance inspection of the DCLTSA treatment plant. Mr. Hopkins indicated that the comments from NDEP officials were positive but that no formal report had yet been received.

Mr. Hopkins indicated that problems with the phone lines of Frontier Communications had impacted the Authority's ability to collect flow meter readings and that the regular flow reports would be delayed as a result.

Mr. Hopkins reported that as part of ongoing preventative maintenance, the Authority's backhoe was currently being overhauled.

Mr. Hopkins indicated that the Authority had entered into an agreement with Edgewood to divert groundwater to the Authority's collection system as part of relocation of the Authority's interceptor and development of the Edgewood cart barn.

With regard to the planned new backup generator for the main pump station, Mr. Hopkins indicated that staff had cleared the area for the concrete pad to locate the generator. Mr. Hopkins stated that HDR Engineering is completing the design work, and it is hoped that the foundation and concrete work will be completed by Authority staff by mid-October.

Mr. Hopkins reported that the channel grinder for the Beach Pump Station has been received and tested. The grinder should be installed in early November when sewage flows are normally low.

Mr. Hopkins stated that the software for the plant hybrid blower and mixed liquor return system at the plant has recently been upgraded, which should increase efficiency going forward.

Mr. Hopkins indicated that IT specialist Eric Heffernon is currently in the process of upgrading the Authority's computer servers and infrastructure.

Mr. Hopkins stated that the Authority has entered into an agreement with NV Energy to utilize space at the plant to stage vegetation removal equipment and trailers.

With regard to the planned future Export Force Main Replacement Project, Mr. Hopkins reported that he had recently met with Jim Morris of Rock-Solid Solutions about the possibility of acting as the Authority's Owner's Representative in a possible Construction Manager at Risk (CMAR). Mr. Morris provided a similar service for the Authority in 2022 for the Treatment Plant Upgrades Project.

Finally, Mr. Hopkins stated the Nevada Division of Water Resources recently completed routine annual inspections of the Authority's on-site emergency storage reservoir dam and the storage reservoir dams in the Buckeye area. Mr. Hopkins indicated that the formal reports are expected in October.

Chairman McLaughlin opened the floor to public comment regarding the matter.

Mr. Heffernon provided a brief explanation of the reasons for the ongoing server/computer upgrades. There was no further public comment.

ENGINEER'S REPORT

A. General Projects Status Report

In addition to his participation in the Manager's Report, Authority Engineer, Rob Anderson, presented correspondence dated September 19, 2023, briefly summarizing various issues that R.O. Anderson Engineering has been involved with on behalf of the Authority. The September 19, 2023, correspondence is incorporated in these minutes by this reference.

With regard to modified access to the Beach Pump Station, Mr. Anderson reported that a new site plan is being considered that will provide adequate access and circulation. Mr. Anderson stated that the Authority's access from the south will be maintained, and the work will likely take place next year.

Mr. Anderson indicated that work on relocation of the Edgewood sewer interceptor has begun and that his office has been involved in reviewing the process.

In response to a question from Trustee Nelson, Mr. Anderson indicated that Kahle Drive access will have to be maintained throughout the planned work on the road.

Chairman McLaughlin opened the floor to public comment regarding the matter. There was no public comment.

AUTHORITY CONTROLLER'S REPORT:

A. General Status Report

Ms. East-Janicki provided the Board with a budget to actual spreadsheet and reported that operating expenses at the end of July were approximately 8.5% over budget. Ms. East-Janicki indicated that some expenses are higher than expected but that expenses should smooth out through the end of the quarter as adjustments are made for leave benefits that have been paid and for annual licenses and permits.

With regard to the salary survey being conducted by Public Sector Personnel Consultants (PSPC), Ms. East-Janick indicates that the report was not yet finalized, but that she hoped it would be ready for review in October.

Ms. East-Janicki stated that the Authority's accounts receivable balance has a credit of more than $39,000 based on many customers paying for an entire year of service in advance.

Ms. East-Janicki reported that the annual audit has begun and will continue for the next several weeks.

As Mr. Anderson reported, Ms. East-Janicki stated that the regular flow report was delayed because of problems with Frontier Communications phone lines. Ms. East-Janicki did report that flows this year through August are up approximately 12.5% over the prior year's flows.

Chairman McLaughlin opened the floor to public comment regarding the matter. There was no public comment.

B. Investment Report

Ms. East-Janicki had a written summary of the Authority's investments available, stating that the Authority has approximately $15.6 million invested. Ms. East-Janicki indicated that the Local

Government Investment Pool (LGIP) is currently paying interest of 4.66% and that just last month interest from the funds in the LGIP was more than $48,000.

In response to an inquiry from Trustee Nelson regarding electricity costs, Ms. East-Janicki indicated that she anticipates costs will go down as sewage flows decrease.

Chairman McLaughlin opened the floor to public comment regarding the matter. There was no public comment.

APPROVAL OF CLAIMS:

The claims along with the Authority's check register were provided to the Board. The claims were signed off on by Board Treasurer Rice.

Chairman McLaughlin opened the floor to public comment regarding the matter. There was no public comment.

Reports/updates from Board of Trustees concerning the areas or districts they represent

Trustee Huckbody reported that Tahoe Douglas District (TDD) did not have a meeting in September, but that work was continuing on backup generators for TDD's pump stations.

Trustee Nelson reported that KGID's ongoing water line work would be delayed until next year. Trustee Nelson also stated that the KGID Board had met the previous evening and that KGID had been approached by representatives of the Oliver Park General Improvement District about the possibility of taking over the management of that general improvement district which is chiefly involved with the maintenance of some roadways. Trustee Rice added that funding for improvements to Kahle Drive have been secured with work to begin next year.

Trustee Fertala reported that RHGID has recently hired a new operator and that installation of the new sewage flow meter should finally take place very soon.

Trustee Rice reported that Tahoe South Events Center (TSEC) is officially open and that the microtransit program has been a great success thus far with service expanded to Round Hill. Trustee Rice explained that full funding from Douglas County for microtransit has not yet been approved, but that the funding is in the proposed budget. Trustee Rice indicated that the considered reduction of traffic lanes on Highway 50 was not likely to occur based on the feedback received. Trustee Rice indicated that there has recently been some issues with high groundwater levels at the former site of the Lakeside Inn now owned by Barton Hospital. Finally, Trustee Rice reported that he was making an effort to have some County Commission meetings at Lake Tahoe with a Tahoe meeting currently scheduled for October 9th.

Trustee McLaughlin reported that the opening of the TSEC is a great catalyst for business activity in the casino core and that more than $100 million is expected to be invested by the new owner of the Hard Rock with other significant investments expected at the other resorts.

Finally, Trustee McLaughlin indicated that business for July, August and September has been very good at Stateline.

Chairman McLaughlin opened the floor to public comment regarding the matter. There was no public comment.

PUBLIC COMMENT:

Richard Rowe introduced himself and thanked the Authority Board for it support of EPSD over the years and pledged EPSD's cooperation going forward.

In response to a question from Robert Felton regarding the EPSD Board, it was indicated that the EPSD does provide reports at meetings of the Elks Point Homeowners Association and that historically there has been some difficulty in finding individuals to serve on the EPSD Board. It was also stated that Douglas County runs the elections for general improvement district board.

There was no further public comment.

ADJOURNMENT:

There being no further business, the meeting was adjourned at 10:50 a.m.

APPROVED

4857-4392-3846, v. 1

ELK POINT SANITATION DISTRICT

P.O. Box 531 ▪ Zephyr Cove, Nevada 89448 ▪ (775) 588-6244

DCLTSA Board of Directors
P.O. Box 578
Zephyr Cove, NV 89448

September 12, 2023

Dear Board:

You will be discussing the Elk Point Sanitation District at your September 20, 2023 meeting. This letter contains some thoughts for your consideration. Please know that the Elk Point Sanitation District wishes to continue the excellent working relationship we have enjoyed with the Lake Tahoe Sewer Authority during the past 50 years.

Our trustees want to pursue some ways of adjusting our operations including:

1. Carrying our own liability insurance or contributing to the direct liability insurance costs that the Sewer Authority incurs on behalf of our users;

2. Analyzing various ways for EPSD to cover the cost of our two lift station retrofits and other systemic needs. If the Authority were to participate in that funding, EPSD could make a substantial down payment and interest payments for any funds that might be advanced;

3. Ensuring that Elk Point Roads are cleared of snow during seasonal weather to provide access to sanitation system equipment;

4. Participating in equipment maintenance costs;

5. Please note that while this is not our preference to take over the entire maintenance responsibilities, if we do have to create that infrastructure, we respectfully ask for an extension of time beyond June 30, 2024, which is only eight plus months from now.

There may be other opportunities that we can explore in our mutual goal of protecting Lake Tahoe and improving our system and we look forward to working with you in that process. We appreciate the excellent management and field staff contributions that you have made for many years on behalf of residents within the Elk Point Sanitation District service area.

Sincerely,

ELK POINT SANITATION DISTRICT
BOARD OF TRUSTEE

DOUGLAS COUNTY LAKE TAHOE SEWER AUTHORITY
Staff Report

Subject / Title:

Authority Manager's Monthly Report – September 2023
A. General Status Report

Staff Recommendation:

None. This is an informational item only.

Discussion/Report:

This item serves to afford the Authority General Manager the opportunity to update the DCLTSA Board of Trustees on select activities over the previous month(s).

1. DCLTSA staff met with staff from the Nevada Department of Transportation and from Nevada Tahoe Conservation District to discuss DCLTSA's interest in siting a decanting facility within the DCLTSA plant footprint. Preliminary discussion involved converting one of our abandoned secondary clarifier sites into a decant station for NDOT vacuum trucks. Construction would be done with NDOT funds. (Photo attached)

2. The Nevada Division of Environmental Protection conducted a Routine Compliance inspection of the DCLTSA Treatment Plant. No official report or feedback has yet been received from NDEP, but overall, my impression of the inspection was that it was positive.

3. Frontier Communications phone lines in the area have been out of service for almost the entire month of August. This communication outage has stopped DCLTSA's ability to import sewer flowmeter readings from KGID and TDD. Communications have been restored as of the first week of September, but the issues related to converting manual flowmeter readings into Paula's flow reports are going to delay the monthly flow report a bit.

4. Our Cat backhoe has been taken to Cashman Equipment for an overhaul of the hydraulic system. We are doing preventative maintenance on our heavy equipment ahead of what we anticipate being another heavy El Nino winter in the Basin.

5. Dewatering agreements have been executed between DCLTSA and Edgewood Companies to allow dewatering of groundwater to DCLTSA sewers to facilitate sewer work for the Edgewood Cart Barn and DCLTSA Sewer Interceptor Relocation projects.

6. Work to clear out space and do foundation construction for the concrete pad for the new backup power generator for the Main Pump Station began in August. HDR Engineering is doing the design work for the generator pad, Excavation and concrete work will be done with in-house DCLTSA talent. Work is hoped to be complete no later than mid-October. (Photo attached.)

7. The Channel Grinder for the Beach Pump Station wet well has been received and has been function-tested by DCLTSA staff. We hope to have the unit installed in early November when our flows are typically very low.

8. Aerzen Corporation, manufacturers of our hybrid blower and mixed liquor return systems at the Plant, have upgraded our control software on the mixed liquor return pumps, allowing us to program the pumps to reduce pumping flows automatically late at night, when our influent flows are lowest, and MLR flows need to be reduced in proportion.

9. DCLTSA is in the process of upgrading our main computer servers and virtual machines. DCLTSA IT specialist Heffernon is spearheading the work.

10. Wright Tree Service, a vegetation removal contractor for NV Energy, is renting out a portion of DCLTSA's yard area to stage vegetation removal equipment and job trailers.

11. We held a preliminary meeting with Jim Morris of Rock-Solid Solutions to engage Mr. Morris' service to act as the Owners Representative for DCLTSA as we kick off the Export Force Main Replacement Project – Phase II CMAR. Recall that Mr. Morris acted as DCLTSA Owners Representative for the award-winning Treatment Plant Upgrades Project CMAR, completed in 2022. We are hoping to have the Phase II portion of the pipeline project completed in fiscal 2024-25.

12. The Nevada Division of Water Resources conducted routine annual inspections of our on-site emergency storage reservoir dam and the mothballed Buckeye effluent storage reservoir dams this month. We expect formal reports back from them in October.



Abandoned secondary clarifier – proposed NDOT decant site.



Removing bulk fuel storage tank to make room for new backup generator at Main Pump Station.

R O Anderson

September 19, 2023

Via Email

Board of Directors
DOUGLAS COUNTY LAKE TAHOE SEWER AUTHORITY
P.O. Box 578
Zephyr Cove, NV 89448

Authority Engineer's Monthly Report – September 2023

Dear Members of the Board:

The following report presents a summary of activities undertaken on behalf of the Sewer Authority since our last meeting together on August 16, 2023. During this period, we provided general engineering support and project review services on various projects as assigned. The following paragraphs provide a brief description of these efforts and progress related to each specific task.

General Engineering Services: In addition to general consulting services and attendance at the Board meeting, R.O. Anderson Engineering, Inc. (ROA) assisted and participated with Authority personnel on engineering-related assignments on an as-requested basis. A summary of project-specific services provided this past month include:

Beach Pump Station: Alternate Access and Site Circulation Improvements
During the period we completed a topographic survey of the site to obtain specific elevations and tree locations to complete the design of the recommended circulation improvements. The flooding of Burke Creek earlier this past spring demonstrated that additional site circulation improvements are needed to ensure sufficient access and circulation is available to accommodate operations and response during emergency events. The proposed design includes a wider driveway around the pump station which affords sufficient turning radius for larger construction/maintenance vehicles (i.e., 10-wheel dump truck/vactor truck, etc.). The plan also provides for the addition of three designated parking spaces that are all outside of the perimeter driveway. A PDF copy of the 90-percent design is attached for your review and consideration.

You will also note that to accommodate turn-around movements, the proposed site circulation relies on a portion of the existing driveway that serves Nevada Beach Campground. This short section of pavement represents the extent of the existing driveway within the campground that would be used by DCLTSA personnel for accessing the pump station for regular operations and maintenance as well as emergency response. The objective of discussions to date with representatives of USFS is to have this design included as a part of their bid package for the Burke Creek rehabilitation project that the USFS intends to bid this fall/winter.

Physical
1603 Esmeralda Avenue
Minden, Nevada 89423
P 775.782.2322

Mailing
P.O. Box 2229
Minden, Nevada 89423
P 775.782.2322

OFFICES
Minden, Nevada
Reno, Nevada

R O Anderson

Edgewood Interceptor – Services During Construction
Construction of the previously approved plans for the relocation of the Edgewood Interceptor Relocation Project has commenced. During this period, we have assisted Authority personnel by reviewing and responding to materials submittals, contractor's requests for information including requests to substitute materials, and addressing questions on an as-needed basis.

I will be present at the Board meeting and available then to review this information in greater detail, as well as address any specific questions or concerns Board members might have relative to these subjects. Thank you for your continued confidence and the opportunity to provide these services.

Yours faithfully,

R.O. ANDERSON ENGINEERING, INC.

Robert O. Anderson, PE, WRS, CFM
Principal Engineer

Attachment

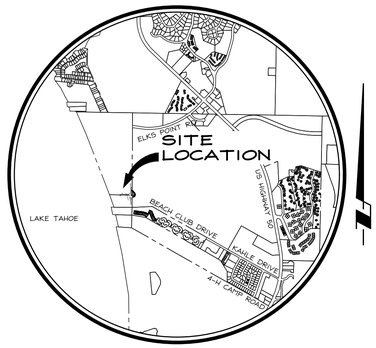
cc: Jim Cavilia, Esq.
Paula East-Janicki
Rob Hopkins

IMPROVEMENT PLANS FOR

PUMP HOUSE ACCESS DRIVE (DCLTSA)

STATELINE, NEVADA





VICINITY MAP

SCALE: 1" = 2000'

PROJECT SUMMARY

A.P.N. 1318-22-001-001

OWNER: US FOREST SERVICE
LAKE TAHOE BASIN MGMT
35 COLLEGE DR
SO LAKE TAHOE, CA 96150

ENGINEER: R.O. ANDERSON ENGINEERING, INC.
P.O. BOX 2229
MINDEN, NEVADA 89423
(775) 782-2322

SHEET INDEX

C1 OVERALL SITE
C2 ENLARGED SITE & GRADING PLAN
C3 DETAILS

SURVEY CONTROL

BASIS OF BEARING

N05°21'54"W - A LINE BETWEEN POINT FD 1/2" IP NO TAG AND POINT SET MAG AC PF, AS SHOWN ON SHEET C2

DATUM

VERTICAL DATUM FOR THIS PROJECT IS NAVD 88 BASED UPON THE SITE BENCH MARK SET MAG AC PF, SHOWN ON SHEET C2

ELEVATION: 6230.45'

CALL 811 BEFORE YOU DIG

NO.	DATE	REVISION BLOCK	BY

1 0 1 2
150' 0 150' 300'
SCALE: 1" = 150'

R|O Anderson
WWW.ROANDERSON.COM

MINDEN
1603 Esmeralda Ave
P.O. Box 2229
Minden, NV 89423
p 775.782.2322
f 775.782.7084

RENO
9060 Double Diamond Pkwy, Unit 1B
Reno, NV 89521
p 775.782.2322
f 775.782.7084

PUMP HOUSE ACCESS DRIVE

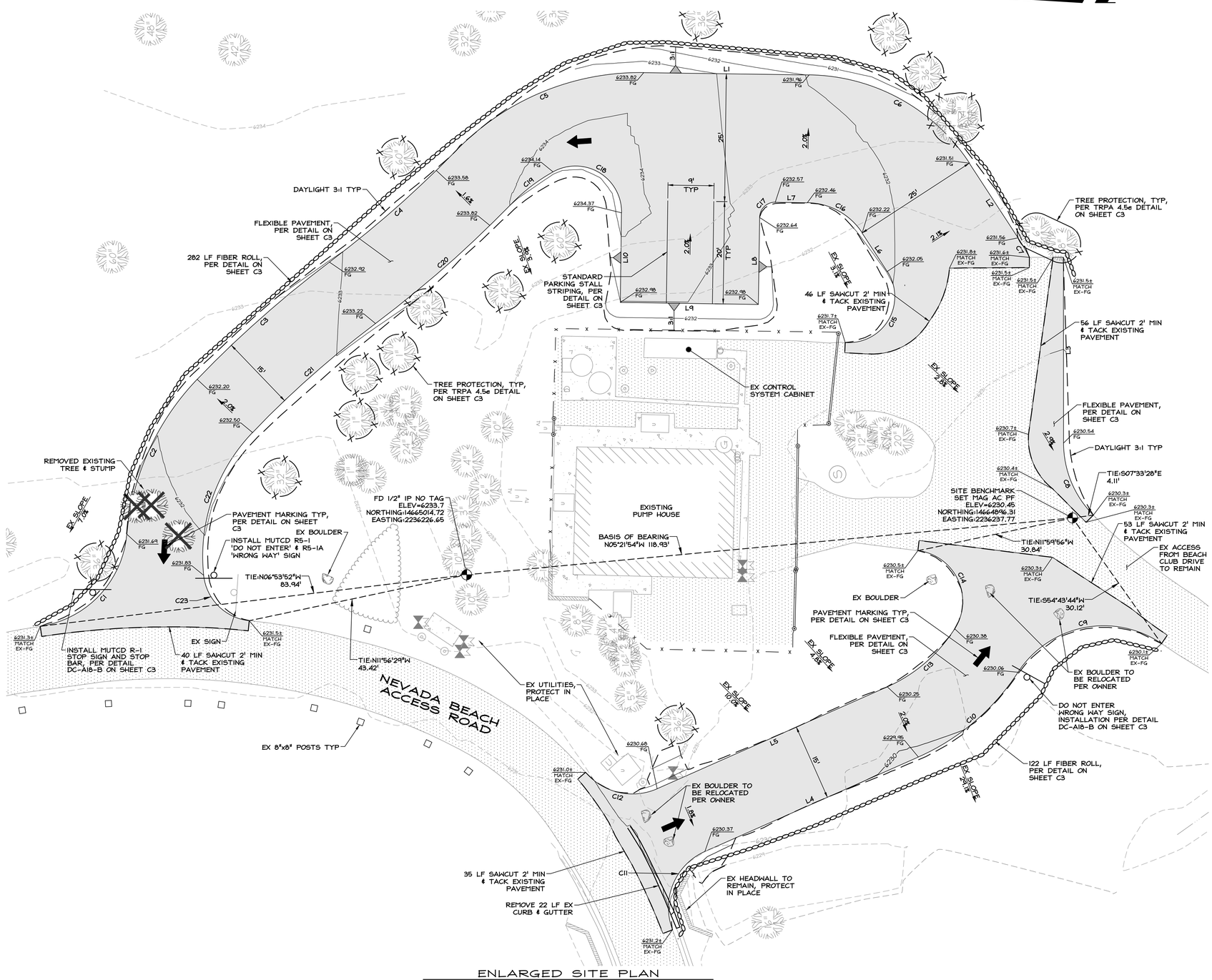
DOUGLAS COUNTY LAKE TAHOE SEWER AUTHORITY

OVERALL SITE PLAN

DRAWN: JAG	JOB: 0643-002
ENGINEER: ROA	DRAWING:
SCALE: 1" = 150'	SHEET: C1
DATE: 9/19/2023	OF: 3 SHEETS

SIP - 9/19/2023

Y:\Client Files\0643\0643-002\CAD\Engineering\Improvement Plans\2023 PUMP HOUSE ACCESS DRIVE\0643-002-SHEET5.dwg 9/19/2023 9:57:12 AM Joseph Gurney



ENLARGED SITE PLAN

SCALE: 1" = 10'

LINE TABLE		
LINE	BEARING	LENGTH
L1	S00°47'55"W	32.33'
L2	N56°55'18"E	17.43'
L3	N89°57'41"E	36.33'
L4	S23°54'11"E	45.62'
L5	S23°54'11"E	49.18'
L6	N56°55'18"E	9.00'
L7	S00°47'55"W	6.28'
L8	S89°12'05"E	17.00'
L9	N00°47'55"E	27.00'
L10	N89°13'24"W	17.55'

CURVE TABLE					
CURVE	DELTA	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH
C1	Δ=076°23'19"	20.00'	26.66'	S46°47'51"E	24.73'
C2	Δ=038°48'49"	50.00'	33.87'	N65°35'05"W	33.23'
C3	Δ=009°13'01"	215.00'	34.54'	N41°34'10"W	34.55'
C4	Δ=008°50'37"	215.00'	33.18'	S41°22'58"E	33.15'
C5	Δ=046°36'11"	50.00'	40.67'	N22°30'10"W	39.56'
C6	Δ=056°07'23"	38.00'	37.22'	N28°51'36"E	35.75'
C7	Δ=005°38'06"	45.00'	4.43'	N59°44'21"E	4.42'
C8	Δ=044°48'37"	20.00'	15.64'	S67°33'23"W	15.25'
C9	Δ=091°19'11"	20.00'	31.88'	N11°15'09"W	28.61'
C10	Δ=033°00'33"	45.00'	25.93'	S40°24'28"E	25.57'
C11	Δ=087°13'57"	12.00'	18.27'	N67°31'10"W	16.56'
C12	Δ=073°31'17"	12.00'	15.40'	S12°51'27"W	14.36'
C13	Δ=033°41'47"	30.00'	17.64'	S40°45'05"E	17.39'
C14	Δ=115°11'46"	10.00'	20.11'	N64°48'08"E	16.89'
C15	Δ=125°51'37"	9.00'	19.77'	S60°08'54"E	16.03'
C16	Δ=056°07'23"	13.00'	12.73'	N28°51'36"E	12.23'
C17	Δ=090°00'00"	3.00'	4.71'	N44°12'05"W	4.24'
C18	Δ=119°51'47"	9.00'	18.83'	N30°50'43"E	15.58'
C19	Δ=016°43'05"	35.00'	10.21'	N37°26'43"W	10.18'
C20	Δ=008°50'37"	230.00'	35.50'	S41°22'58"E	35.46'
C21	Δ=009°13'01"	200.00'	32.17'	N41°34'10"W	32.14'
C22	Δ=049°50'06"	35.00'	30.44'	N71°05'43"W	29.49'
C23	Δ=078°06'38"	10.00'	13.63'	S44°55'54"W	12.60'

HATCH LEGEND

- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- EXISTING CONCRETE

LINE TYPE LEGEND

EXISTING	PROPOSED	
		BUILDING ENVELOPE
		ADJACENT PROPERTY LINE
		PROPERTY LINE
100	100	MAJOR CONTOUR, FIVE-FOOT INTERVAL
99	99	MINOR CONTOUR, ONE-FOOT INTERVAL
		EDGE OF PAVEMENT AND/OR CURB
		TREE PROTECTION
		FIBER ROLL

SYMBOLS LEGEND

EXISTING	PROPOSED	
		SURVEY CONTROL POINT
		SANITARY SEWER MANHOLE
		SANITARY SEWER / STORM DRAIN CLEANOUT
		WATER GATE VALVE
		SIGN
		STREET LIGHT (DECORATIVE)
COM		COMMUNICATION MANHOLE
COM		COMMUNICATION VAULT
ELEC		ELECTRICAL/POWER MANHOLE
ELEC		ELECTRICAL/POWER VAULT
		TREE
		REMOVE TREE & STUMP

CALL 811 BEFORE YOU DIG

NO.	DATE	REVISION BLOCK	BY

SCALE: 1" = 10'

R|O|Anderson
WWW.ROANDERSON.COM
MINDEN
1603 Esmeralda Ave
P.O. Box 2229
Minden, NV 89423
p 775.782.2322
f 775.782.7084
RENO
9060 Double Diamond Pkwy, Unit 1B
Reno, NV 89521
p 775.782.2322
f 775.782.7084

PUMP HOUSE ACCESS DRIVE

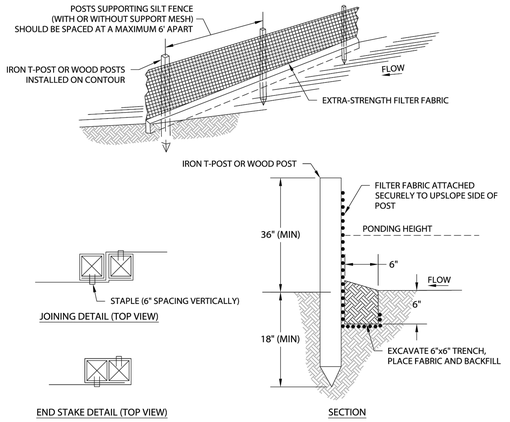
DOUGLAS COUNTY LAKE TAHOE SEWER AUTHORITY

ENLARGED SITE & GRADING PLAN

DRAWN: JAG	JOB: 0643-002
ENGINEER: ROA	DRAWING:
SCALE: 1" = 10'	SHEET: C2
DATE: 9/19/2023	OF: 3 SHEETS

SIP - 9/19/2023

Y:\Client Files\0643\0643-002\CAD\Engineering\Improvement Plans\2023 PUMP HOUSE ACCESS DRIVE\0643-002-SHEETS.dwg 9/19/2023 9:56:28 AM Joseph Gurney



NOTES:

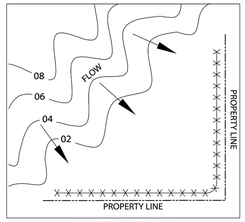
1. USED IN AREAS WHERE SHEET FLOW OCCURS.
2. DO NOT USE IN STREAMS, CHANNELS, OR ANYWHERE FLOW IS CONCENTRATED. DO NOT USE SILT FENCES TO DIVERT FLOW.
3. DO NOT USE BELOW SLOPES SUBJECT TO CREEP, SLUMPING, OR LANDSLIDES.
4. SILT FENCE SHOULD BE WOVEN POLYPROPYLENE WITH A MINIMUM WIDTH OF 36 INCHES AND A MINIMUM TENSILE STRENGTH OF 100 LB FORCE.
5. INSTALL ALONG A LEVEL CONTOUR SO WATER DOES NOT POND MORE THAT 1.5 FEET AT ANY POINT ALONG THE SILT FENCE.
6. THE MAXIMUM LENGTH OF SLOPE DRAINING TO ANY POINT ALONG THE SILT FENCE SHOULD BE 200 FEET OR LESS.
7. THE MAXIMUM SLOPE PERPENDICULAR TO THE FENCE LINE SHOULD BE 1:1.
8. PROVIDE SUFFICIENT ROOM FOR RUNOFF TO POND BEHIND THE FENCE AND TO ALLOW SEDIMENT REMOVAL EQUIPMENT TO PASS BETWEEN THE SILT FENCE AND TOES OF SLOPES OR OTHER OBSTRUCTIONS.
9. TURN THE ENDS OF THE FILTER FENCE UPHILL TO CREATE A "J" SHAPE, TO PREVENT STORMWATER FROM FLOWING AROUND THE FENCE.
10. LEAVE AN UNDISTURBED OR STABILIZED AREA IMMEDIATELY DOWN SLOPE FROM THE FENCE WHERE FEASIBLE.
11. SILT FENCES SHOULD REMAIN IN PLACE UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED.
12. REMOVE SEDIMENT WHEN DEPOSITS REACH APPROXIMATELY 1/3 HEIGHT OF BARRIER.

Silt Fence

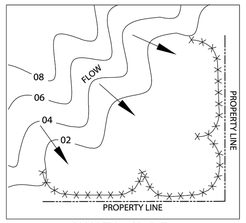
TAHOE REGIONAL PLANNING AGENCY

BMP-513
November 2012

THE TAHOE REGIONAL PLANNING AGENCY (TRPA) SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS DETAIL.



INCORRECT PLACEMENT
DO NOT LAYOUT PERIMETER CONTROL SILT FENCES ALONG PROPERTY LINES. ALL SEDIMENT-LADEN RUNOFF WILL CONCENTRATE AND OVERWHELM THE SYSTEM.



CORRECT PLACEMENT
BREAK-UP SILT FENCE INTO SECTIONS TO PREVENT SEDIMENT-LADEN RUNOFF FROM CONCENTRATING AND OVERWHELMING THE SYSTEM.

Silt Fence Placement

TAHOE REGIONAL PLANNING AGENCY

BMP-514
November 2012

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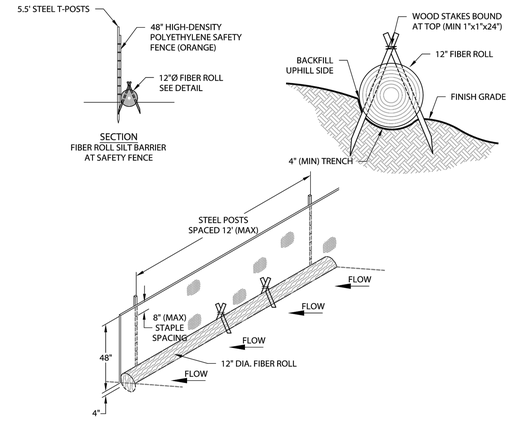


NOTES:

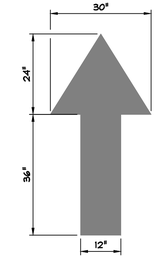
1. FIBER ROLL SHALL NOT BE MADE FROM STRAW. FIBER ROLLS SHALL BE BOUND BY HIGH STRENGTH COIR NETTING, AND HAVE A MINIMUM WEIGHT OF 5 LBS PER LINEAL FOOT.
2. ORANGE SAFETY FENCE IS INTENDED TO PROTECT FIBER ROLLS FROM COMPRESSION BY VEHICLES, CONSTRUCTION EQUIPMENT, ECT. FENCES SHALL BE HIGH DENSITY POLYETHYLENE WITH A MESH OPENING OF APPROXIMATELY 1 INCH BY 4 INCHES AND A MINIMUM HEIGHT OF 4 FEET. SAFETY FENCE MAY BE OMITTED IN LOW TRAFFIC AREAS.
3. FIBER ROLL SILT BARRIER SHALL BE INSTALLED ALONG CONTOUR AND ON SLOPES 5H:1V OR FLATTER UNLESS OTHERWISE APPROVED BY TRPA.
4. THE INSTALLATION CONFIGURATION SHALL PREVENT RUNOFF FROM LEAVING THE SITE OR ENTERING A WATERCOURSE WITHOUT PASSING THROUGH A SILT BARRIER.
5. THE MAXIMUM LENGTH OF SLOPE DRAINING TO THE SILT BARRIER SHALL BE 100 FEET.
6. FIBER ROLL SHALL BE INSTALLED BY SHAPING A 4 INCH DEEP FURROW TO MATCH THE SHAPE OF THE LOG, SECURING IN FURROW WITH WOOD STAKES, AND TAMPING THE GROUND AROUND THE FIBER ROLL TO FILL VOIDS BETWEEN THE LOG AND THE GROUND.

Fiber Roll Silt Barrier

TAHOE REGIONAL PLANNING AGENCY

BMP-517
December 2012

THE TAHOE REGIONAL PLANNING AGENCY (TRPA) SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS DETAIL.

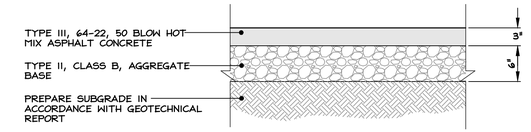


NOTES:

1. PAVEMENT MARKING SHALL BE WHITE.
2. PAINT SHALL BE READY-MIXED, LEAD-FREE, WATER-BASED & FORMULATED FOR TRAFFIC LANE STRIPING WITH REFLECTIVE GLASS BEADS.
3. PAINT SHALL MEET REQUIREMENTS OF TT-P-1952B.

PERMANENT PAVEMENT MARKING ARROWS

NO SCALE

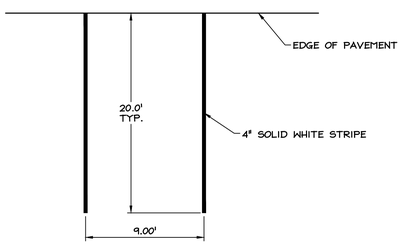


NOTES:

1. ASPHALT CONCRETE SHALL INCLUDE 4% AIR VOIDS AND 1.5% HYDRATE LIME.
2. ASPHALT CONCRETE SHALL BE INSTALLED IN UNIFORM LIFTS (2-INCH MAX.) AND EACH LIFT DENSIFIED TO 96% (MIN.) RELATIVE COMPACTION.
3. AGGREGATE BASE SHALL BE PLACED IN 8-INCH (MAX.) LOOSE LIFTS. DENSIFY EACH LIFT TO 95% RELATIVE COMPACTION (MIN.).

FLEXIBLE PAVEMENT SECTION

NTS

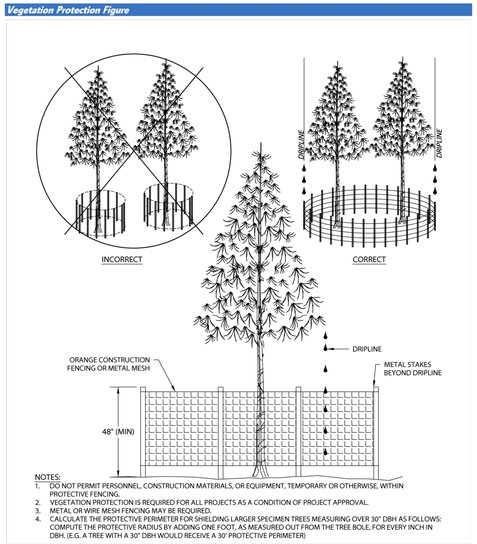


STANDARD PARKING STALL STRIPING

NO SCALE

CALL 811 BEFORE YOU DIG

Vegetation Protection Figure



NOTES:

1. DO NOT PERMIT PERSONNEL, CONSTRUCTION MATERIALS, OR EQUIPMENT, TEMPORARY OR OTHERWISE, WITHIN PROTECTIVE FENCING.
2. VEGETATION PROTECTION IS REQUIRED FOR ALL PROJECTS AS A CONDITION OF PROJECT APPROVAL.
3. METAL OR WIRE MESH FENCING MAY BE REQUIRED.
4. CALCULATE THE PROTECTIVE PERIMETER FOR SHIELDING LARGER SPECIMEN TREES MEASURING OVER 30" DBH AS FOLLOWS: COMPUTE THE PROTECTIVE RADIUS BY ADDING ONE FOOT, AS MEASURED OUT FROM THE TREE BOLE, FOR EVERY INCH IN DBH. (E.G. A TREE WITH A 30" DBH WOULD RECEIVE A 30' PROTECTIVE PERIMETER)

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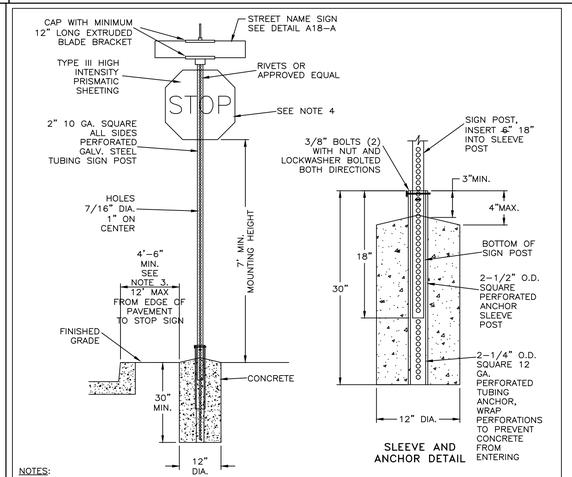

NOTES:

1. SIGN MATERIALS, CONSTRUCTION AND PLACEMENT SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND SECTION 215 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. STREET NAME SIGN SHALL BE MOUNTED WITH VANDAL-RESISTANT HARDWARE.
3. ON STREETS WHERE CURB DOES NOT EXIST, SET EDGE OF SIGN 6' MINIMUM FROM PAVEMENT EDGE.
4. SIGN (WITH 3/8" GALVANIZED STEEL BACK BRACE) AND LETTERING SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE MUTCD.
5. SIGN POST SHALL NOT BE ANCHORED IN SIDEWALK.
6. POSTS AND ANCHORS IN THE DOWNTOWN AREA OF GARDNERVILLE SHALL BE BLACK.
7. DECORATIVE POLES AND SIGNS MAY BE REQUIRED IN THE TOWNS OF MINDEN AND GARDNERVILLE. REFER TO THE TOWN'S SPECIFIC DETAILS.

PAGE 1 OF 1

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION: DOUGLAS COUNTY
			STANDARD STREET SIGN	DATE: DEC. 2018
				DWG: A18-B

NO.	DATE	REVISION BLOCK	BY

R|O|Anderson
WWW.ROANDERSON.COM

MINDEN
1603 Esmeralda Ave
P.O. Box 2229
Minden, NV 89423
p 775.782.2322
f 775.782.7084

RENO
9060 Double
Diamond Pkwy, Unit 1B
Reno, NV 89521
p 775.782.2322
f 775.782.7084

PUMP HOUSE ACCESS DRIVE

DOUGLAS COUNTY LAKE TAHOE SEWER AUTHORITY

DETAILS

DRAWN: JAG	JOB: 0643-002
ENGINEER: ROA	DRAWING:
SCALE: AS NOTED	SHEET: C3
DATE: 9/19/2023	OF: 3 SHEETS

SIP - 9/19/2023

Y:\Client Files\0643\0643-002\CAD\Engineering\Improvement Plans\2023 PUMP HOUSE ACCESS DRIVE\0643-002-SHEET5.dwg 9/19/2023 9:59:03 AM Joseph Gurney

CONTROLLER'S GENERAL STATUS REPORT

September 20, 2023

- There is a Budget to Actual spreadsheet in the Board packet that shows operating expenses through the July, the first month of the new fiscal year, were 8.5% over budget. That's misleading though, because the Salaries figure will smooth out at the quarter when it's adjusted for leave benefits that were paid out, and the Annual Software Licenses and Fees and Permits are all paid at the beginning of the year. Considering that, we are on target so far. As prices continue to rise, we'll do what we can to hold the line.

- I spoke with Kay Tilzer of Public Sector Personnel Consultants regarding finalizing the salary study after the last Board meeting. She was going on vacation for a couple weeks and since then I've been busy with audit preparation. Hopefully she and I can pull it together for the October meeting.

- The Authority's Accounts Receivables has a credit balance of more than $39,000 two months into the new fiscal year. Even some commercial accounts are choosing to pay ahead.

- The audit with Eide Bailly begins on Tuesday. Ying and I have spent the past month downloading financial proof statements to Eide Bailly's website, which will hopefully speed the process up and make it easier for both the auditors and us.

- As Rob told you, Frontier's telephone lines, our telemetry lines from TDD and KGID were down for the month of August and therefore a detailed accounting has not yet been done on total flows. However, I

can say that through August this year, overall influent flows are up 12.5% from the same period in 2022.

Investment Report

The Authority's investments total $15.6 million. LGIP paid 4.66% in August, and last month the interest from them alone was more than $48,000. Since the last Board meeting, we had one CD mature at 2.95%, and we were able to replace it with a two-year CD at 5.05%. Additionally, we purchased two other one-year CDs at 5.3% and 5.35%. The CD balance is now at $3,430,000 with an average interest rate of 4.59%. There is a current list of CDs in the Board packet.

Claims and Check Register

The check register and wires since the last meeting are in the Board packet. If there are no questions, I will ask the Board Treasurer to sign them and return them to me for our records.