Special Use Permit Application Truckee Meadows Water Authority Mt. Rose Water Treatment Plant and Diversion Features/Infiltration Galleries

Prepared For:

Truckee Meadows Water Authority c/o John Enloe, PE 1355 Capital Blvd. Reno, NV 89502 (775) 832-8250

and

TL Mt. Rose Estates LP c/o Rich Balestreri 3300 Douglas Blvd., Suite 450 Roseville, CA 95661 (916) 787-3420

Prepared By:

Cynthia Albright, AICP, GISP Stantec Consulting, Inc. 6995 Sierra Center Parkway, Suite 200 Reno NV 89511 (775) 398-1270

December 15, 2015



Stantec

Stantec Consulting Services Inc.

6995 Sierra Center Parkway, Reno NV 89511-2213

Phone: 775 850-0777

December 15, 2015

Eva Krause, AICP Washoe County Department of Community Development 1001 E. Ninth Street Reno, Nevada 89520

Reference: TMWA Mt. Rose Water Treatment Plant and Diversion Features/Infiltration Galleries Special Use Permit Submittal

Dear Eva,

Enclosed please find an original, 10 copies and a CD of the special use permit application for the above referenced project submitted on behalf of Truckee Meadows Water Authority and TL Mt. Rose Estates LP. The contents of this application speak to the project specifics which require the staff and Washoe County Board of Adjustments' consideration. The project owner, TMWA, intends to construct a small water treatment plant and two creek diversions to enhance the groundwater resources in the Mt. Rose Fan area and help to make the water delivery systems more resilient during periods of drought.

The location for this project is ideally suitable for the requested use while meeting the project goals of diverting water off of Thomas and Whites Creeks for the purpose of treatment and delivery through existing water distribution systems during times of available supplies and to provide a source of water to recharge of the groundwater aquifer. If approved, TMWA will purchase a portion of APN 150-460-05. A tentative map has been filed and has been extended that would modify APN 150-460-05 and create a 6.65 acre open space parcel and multiple residential lots. The proposed project would utilize 3.9 acres of the future 6.65 open space parcel. The remainder of the 6.65-acre parcel would remain undeveloped. An overhead power line and 100' NVE easement form the western boundary of the proposed project. The special use permit application consists of the following request for consideration:

- 1. Special Use Permit for development of a civic use in the form of a utility service for the water treatment plant within the High Density Rural regulatory zone in accordance with Washoe County Development Code (WCDC) Section 110.302.110;
- 2. Special Use Permit for construction of a small portion of the access driveway and limited grading within an established sensitive stream zone buffer area in accordance with WCDC Sections 110.418.20; and
- 3. Special Use Permit for construction of two diversion features/infiltration galleries within the established critical stream zone buffer areas of Thomas and Whites Creeks also in accordance with WCDC Section 110.418.20. The area will be completely revegetated so the appearance of the infiltration galleries would be difficult to detect.

The attached reports addressing traffic and drainage considerations indicate there are no anticipated negative impacts from the proposed use at this location. TMWA retained the architecture design services of Blakely Johnson Ghusn to create a water treatment building that incorporates the ranching/barn theme with multiple roof lines and a natural color palette to blend



December 15, 2015 Ms. Eva Krause, AICP Page 2 of 2

Reference: TMWA Mt. Rose Water Treatment Plant and Diversion Features/Infiltration Galleries

Special Use Permit Submittal

within the surrounding development. The proposed grading and landscaping treatment will also mitigate the building size and height to the greatest degree possible.

I speak for all of us when I say we look forward to working with you on this project. If you have any questions please do not hesitate to call.

Sincerely,

STANTEC CONSULTING SERVICES, INC.

Cynthia J. Albright, AICP, GISP

Senior Associate, Community Development Manager

v:\1801\active\180101383\application\cover letter.docx

Washoe County Development Application

Your entire application is a public record. If you have a concern about releasing personal information, please contact Planning and Development staff at 775.328.3600.

Project Information	s	Staff Assigned Case No.:						
Project Name:								
Project Description:								
Project Address:								
Project Area (acres or square fee	et):							
Project Location (with point of re	ference to major cross	streets AND area locator):						
Assessor's Parcel No.(s):	Parcel Acreage:	Assessor's Parcel No(s):	Parcel Acreage:					
Section(s)/Township/Range:								
Indicate any previous Washo Case No.(s).	e County approval	s associated with this applicat	ion:					
Applicant	Information (atta	ttach additional sheets if necessary)						
Property Owner:		Professional Consultant:						
Name:		Name:						
Address:		Address:						
	Zip:	Zip:						
Phone:	Fax:	Phone: Fax:						
Email:		Email:						
Cell:	Other:	Cell:	Other:					
Contact Person:		Contact Person:						
Applicant/Developer:		Other Persons to be Contacted:						
Name:		Name:						
Address:		Address:						
	Zip:		Zip:					
Phone:	Fax:	Phone:	Fax:					
Email:		Email:						
Cell:	Other:	Cell:	Other:					
Contact Person:		Contact Person:						
	For Office	Use Only						
Date Received:	Initial:	Planning Area:						
County Commission District:		Master Plan Designation(s):						
CAB(s):		Regulatory Zoning(s):						

Property Owner Affidavit

Applicant	Name:	Iruckee	Meadow	Water	Authoriti	1
					-	
requirements o	it the vvasho	e County Develo	opment Code	, the Wash	oe County Ma	n complies with all aster Plan or the complete and will
State of Californ County of Place						
		J. Timoth	y Lewis			
			ase print name			
application as li information here and bellef, i und Development,	isted below a with submitted derstand that	nd that the forec	joing stateme its complete, t guarantee car	nts and ans rue and corr i be given by	wers herein c ect to the best members of F	· ·
Assessor Parcel	Number(s):					
		Printed	l Name	J. Timothy Le	ewis	
			Signed			
		А	ddress	3500 Dougl	as Boulevard,	#270
				Roseville,	CA 95661	
ubscribed and		before me this	5	(Notary Stamp)	
mudse stary Public in a	and for said co	ounty and state				GUADALUPE V. POWELL Commission # 2076763 Notary Public - California Placer County
y commission e	explres: <u>Au</u>	gust 30,	2018		200000	dy Comin. Empires Aug 30. 2016
Owner refers to	the following:	(Please mark ap	propriate box.) #		
	e Officer/Partr	er (Provide copy	of recorded d	ocument indi	ceting outhorit	u to airm
		vide copy of Pow			camy aumoni	y to sign.)
		notarized letter from			egal authority t	o agent \
☐ Property	Agent (Provid	e copy of record of	ocument indi	cating author	ity to sign.)	o agent.)
☐ Letter from	m Governmer	t Agency with Ste	wardship			
		Enh	ruary 2014			
		ren	ruary 2014			

Special Use Permit Application Supplemental Information

(All required information may be separately attached)

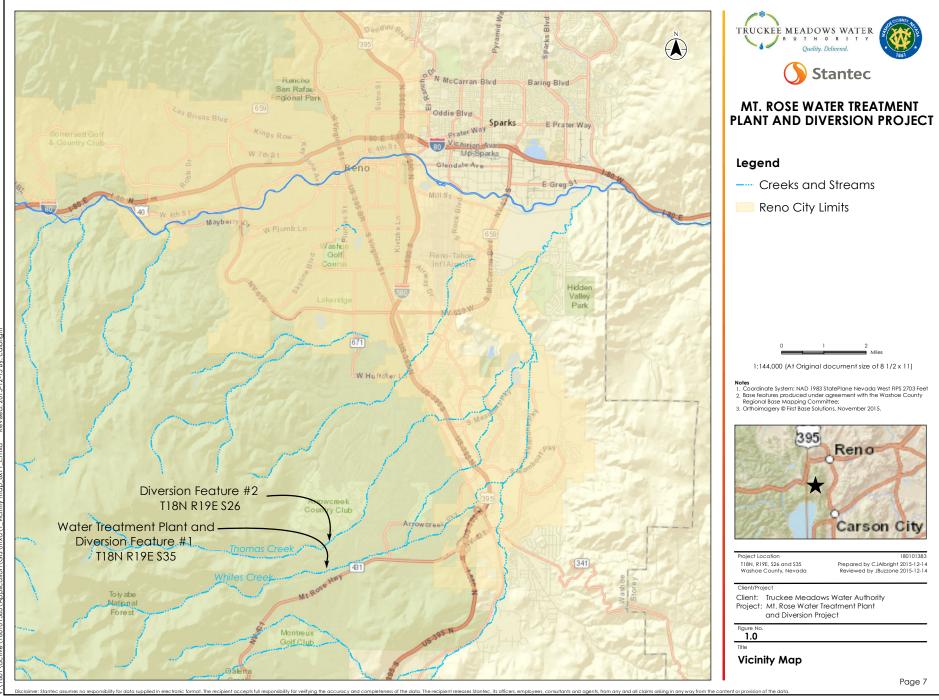
Chapter 110 of the Washoe County Code is commonly known as the Development Code. Specific references to special use permits may be found in Article 810, Special Use Permits.

1.	What is the type of project being requested?
2.	What currently developed portions of the property or existing structures are going to be used with this permit?
3.	What improvements (e.g. new structures, roadway improvements, utilities, sanitation, water supply, drainage, parking, signs, etc.) will have to be constructed or installed and what is the projected time frame for the completion of each?

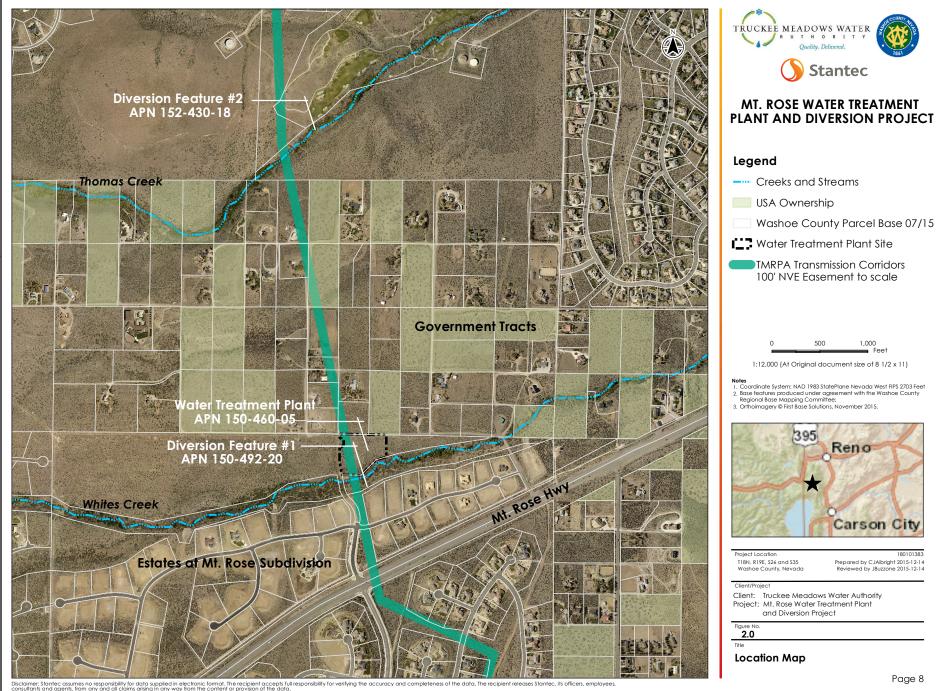
4.	What is the intended phasing schedule for the construction and completion of the project?
5.	What physical characteristics of your location and/or premises are especially suited to deal with the impacts and the intensity of your proposed use?
3.	What are the anticipated beneficial aspects or effects your project will have on adjacent properties and the community?
7.	What will you do to minimize the anticipated negative impacts or effects your project will have or adjacent properties?

	project special use permit to address community impacts:
	How many improved parking spaces, both on-site and off-site, are available or will be provide (Please indicate on site plan.)
	What types of landscaping (e.g. shrubs, trees, fencing, painting scheme, etc.) are proposed? (Plea indicate location on site plan.)
١	What type of signs and lighting will be provided? On a separate sheet, show a depiction (heigwidth, construction materials, colors, illumination methods, lighting intensity, base landscaping, export each sign and the typical lighting standards. (Please indicate location of signs and lights on splan.)

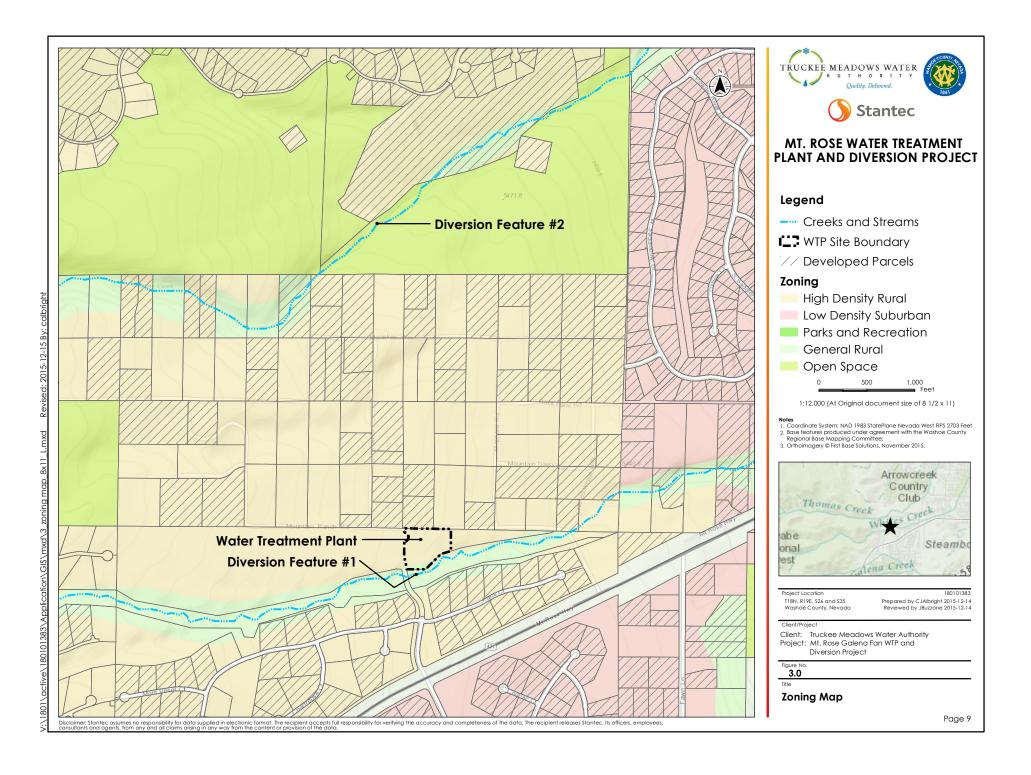
☐ Yes	□ No	
Community Sewer		
☐ Yes	□ No	
ommunity Water		
☐ Yes	□ No	



[20] Co. 30 Minister | Appendix |



Page 8



View of Water Treatment Plant site adjacent to NVE Power Line



View south across site, across Whites Creek and to adjacent Mt. Rose Estates Subdivision from Water Treatment Plant site



View south and southeast from Water Treatment Plant site across Whites Creek



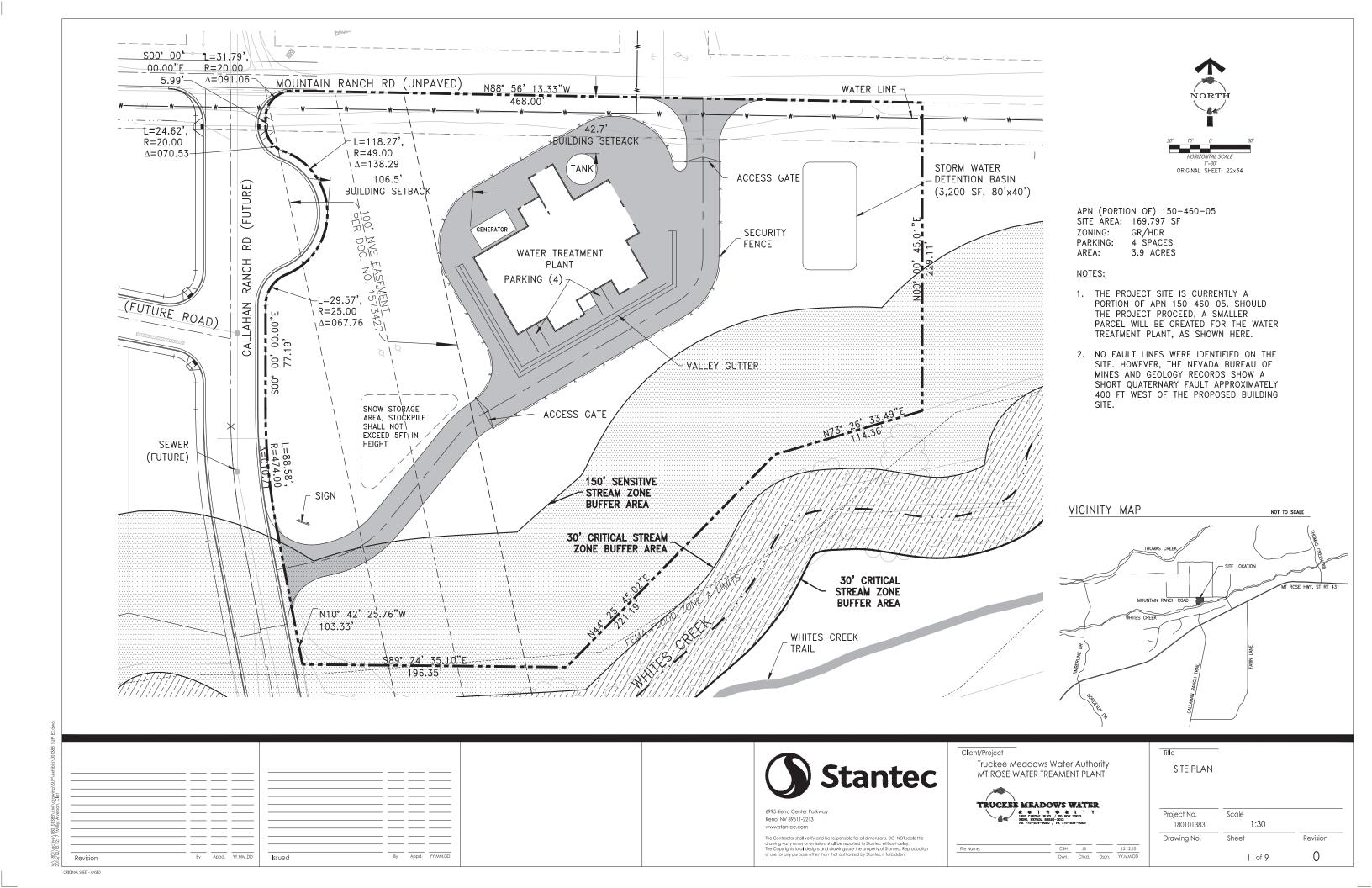
View north from Estates at Mt. Rose across Whites Creek looking at Water Treatment Plant site and nearest on Mountain Ranch Road

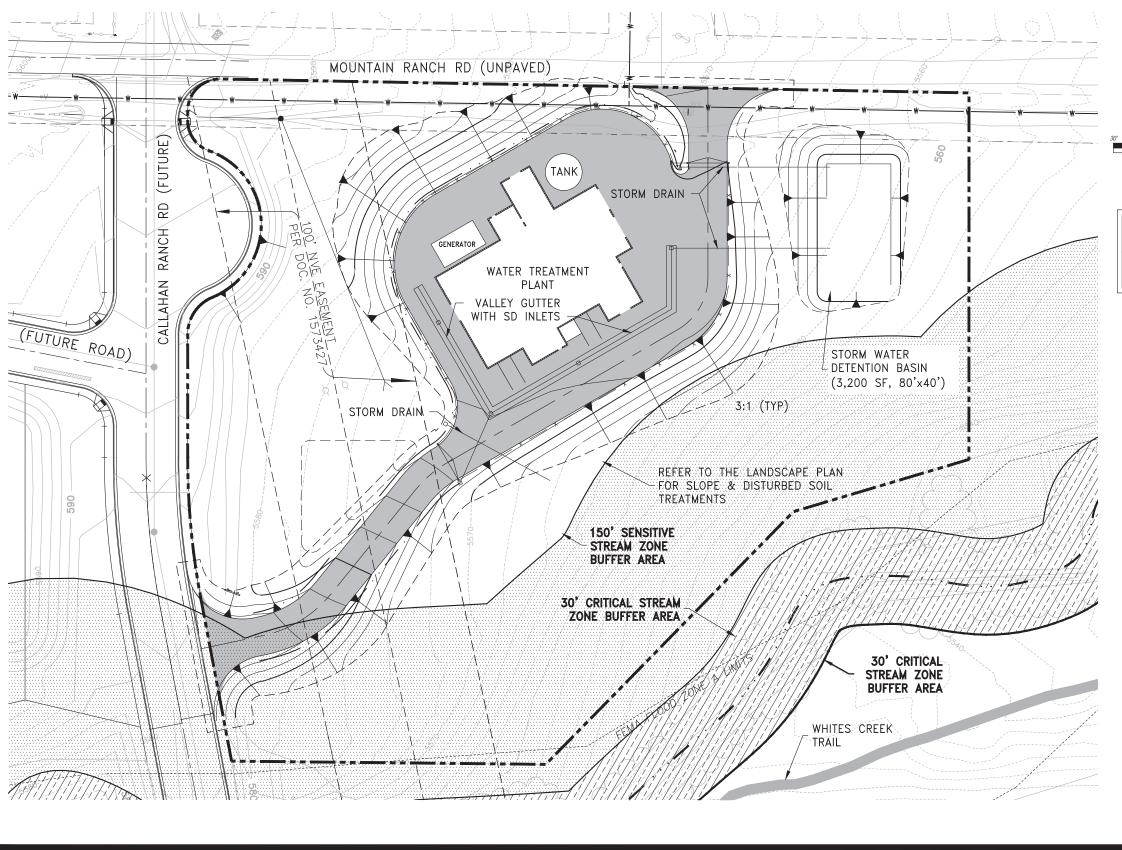


View northwest from Estates at Mt. Rose Subdivision across Whites Creek; site east of NVE Power Line



ENGINEERING PLAN SET







VOLU	<u>ME</u>		
	CUT (CU.YD.)	FILL (CU.YD.)	NET (CU.YD.)
EARTHWORK	4,450	3,650	800 CUT



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Client/Project
Truckee Meadows Water Authority
MT ROSE WATER TREAMENT PLANT



File Name: CBH JB

GRADING PLAN

Project No. 180101383 Drawing No. Scale 1:30

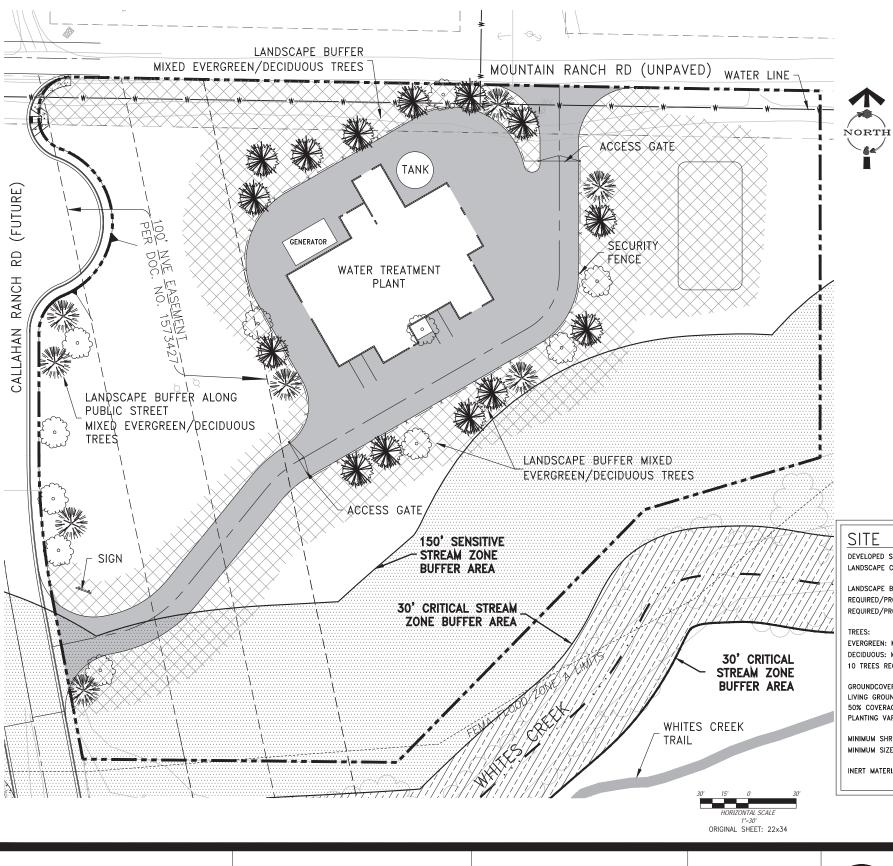
Sheet Revision
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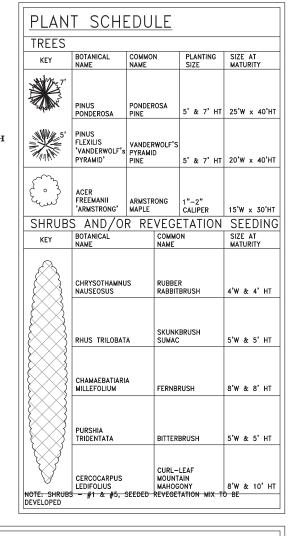
By Appd. YY.MM.DD

Issued

By Appd. YY.MM.DD



By Appd. YY.MM.DD



SITE DATA & REQUIREMENTS

DEVELOPED SITE AREA: 87,300 SF / USE: CIVIC LANDSCAPE COVERAGE REQUIRED/PROVIDED: (20% CIVIC) 17,460 SF

LANDSCAPE BUFFER FOR CIVIC USE ADJOINING PUBLIC STREET; REQUIRED/PROVIDED: 1 TREE PER 50 LF (415 LF) = 9 TREES REQUIRED/PROVIDED:1 TREE AT PARKING

TREES:

EVERGREEN: MIN SIZE AT PLANTING TO BE 50% 7' & 50% 5' HT. DECIDUOUS: MIN SIZE AT PLANTING TO BE 50% 2" CAL & 50% 1" CAL. 10 TREES REQUIRED/33 PROVIDED

GROUNDCOVER FOR REQUIRED LANDSCAPE AREAS: LIVING GROUNDCOVERS SHALL BE PLANTED IN COMBINATION WITH SHRUBS TO ACHIEVE: 50% COVERAGE REQUIRED WITHIN 1 YEAR & 100% COVERAGE WITHIN 3 YEARS. SIZE AT PLANTING VARIES.

MINIMUM SHRUB COVERAGE: 16 SO FT. MINIMUM SIZE AT PLANTING TO BE (1-5) GAL.

INERT MATERIALS SHALL NOT EXCEED 50%OF TOTAL PLANTING AREA.

PRELIMINARY PLAN NOTES

- 1. ALL LANDSCAPE AND IRRIGATION COMPONENTS SHALL BE INSTALLED IN ACCORDANCE TO THE REQUIREMENTS OF LOCAL GOVERNING AUTHORITIES. SITE CONDITIONS THAT PREVENT THE PROPER EXECUTION OF THE WORK SHALL BE BROUGHT TO THE ATTENTION OF EXECUTION OF THE WORK SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACT REPRESENTATIVE FOR WRITTEN DIRECTION.
- 2. LANDSCAPE AND IRRIGATION WORK SHALL BE ACCOMPLISHED USING LOCALLY ESTABLISHED, HORTICULTURALLY SOUND TRADE METHODS. REFER TO THE MOST RECENT EDITION OF THE STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS
- 3. ALL LANDSCAPE AREAS SHALL BE PROVIDED WITH 3" MINIMUM DEPTH INERT MULCH, DECORATIVE ROCK/DECOMPOSED GRANITE MATERIALS.
- 4. ALL LANDSCAPE PLANTINGS SHALL BE PROVIDED WITH AN AUTOMATIC IRRIGATION SYSTEM CONSISTING OF DRIP IRRIGATION TO ALL CONTAINER PLANT MATERIAL. GENERAL DISTRIBUTION OF DRIP IRRIGATION WATER SHALL BE PROVIDED THROUGH PVC PIPE LATERALS. WITH LIMITED RUNS OF FLEXIBLE TUBING FOR DRIP EMITTERS.
- 5 CONTROL SYSTEM WITH ADECUATE CAPACITY AND CAPABILITY OF LONG TIME CYCLES SHALL BE PROVIDED. PRESSURE COMPENSATION SHALL PRESSURE WITH LOCAL UTILITY CONTROL REQUIREMENTS WITH FINAL DESIGN AND LOCAL GOVERNING AUTHORITIES. A SEPARATE WATER METER SHALL BE PROVIDED FOR THE IRRIGATION SYSTEM.
- 6. TREES SHALL BE PROVIDED WITH ADEQUATE STAKING OF GUYING FOR PROPER ESTABLISHMENT IN CONSIDERATION OF THE PREVAILING WIND CONDITIONS OF THE SITE.
- 7. A COMPLETE MAINTENANCE PLAN SHALL BE SUBMITTED AS PART OF, AND BASED ON, THE FINAL LANDSCAPE AND IRRIGATION DESIGN. THE MAINTENANCE PLAN SHALL INCLUDE THE IRRIGATION APPLICATION SCHEDULE, SEASONAL ADJUSTMENT, PROPER WINTERIZATION AND SPRING START-UP PROCEDURES, FERTILIZATION AND OTHER REQUIREMENTS OF LOCAL GOVERNING AUTHORITIES.
- 8. THE FINAL LANDSCAPE DESIGN SHALL REFLECT PLANT SELECTION AND PLACEMENT IN COMPATIBLE WATER USE ZONES. THE IRRIGATION SYSTEM SHALL BE DESIGNED TO PROVIDE ADEQUATE WATER TO PLANT MATERIAL FOR THRIVING GROWTH OF THE PLANT
- 9. PLANT MATERIAL QUALITY SHALL RE AS SPECIFIED IN THE AMERICAN STANDARD FOR NURSERY STOCK BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
- 10. SOIL PREPARATION SHALL BE BASED ON THE CONDITION OF THE SOILS OF THE PROJECT SITE AFTER GRADING IS COMPLETE AND IN ACCORDANCE WITH A SOILS TEST.
- 11. ALL DISTURBED AREAS SHALL BE REVEGETATED.
- 12. ALL DISTURBED AREAS ARE 3:1 OR FLATTER SLOPES.
- 13. REVEGETATION AREAS: TOPSOIL AND NATIVE PLANT MATERIAL SHALL BE STOCKPILED FOR RE-USE PRIOR TO FINAL SEEDING.



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Truckee Meadows Water Authority MT ROSE WATER TREAMENT PLANT



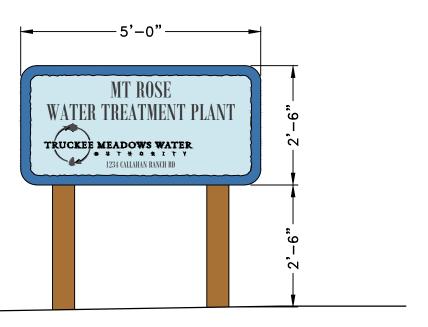
PRELIMINARY LANDSCAPE PLAN Project No. Scale 180101383 1:30 Drawing No. Sheet Revision

3 of 9

0

By Appd. YY.MM.DD

Issued



NOTES:

- 1. WOOD ENGRAVED SIGN WITH RAISED LETTERING.
- 2. SIGN TO BE LIT BY 65 WATT GROUND LEVEL LIGHT.

ORIGINAL SHEET - ANSI A

SCALE: N.T.S.

DECEMBER 2015 180101383



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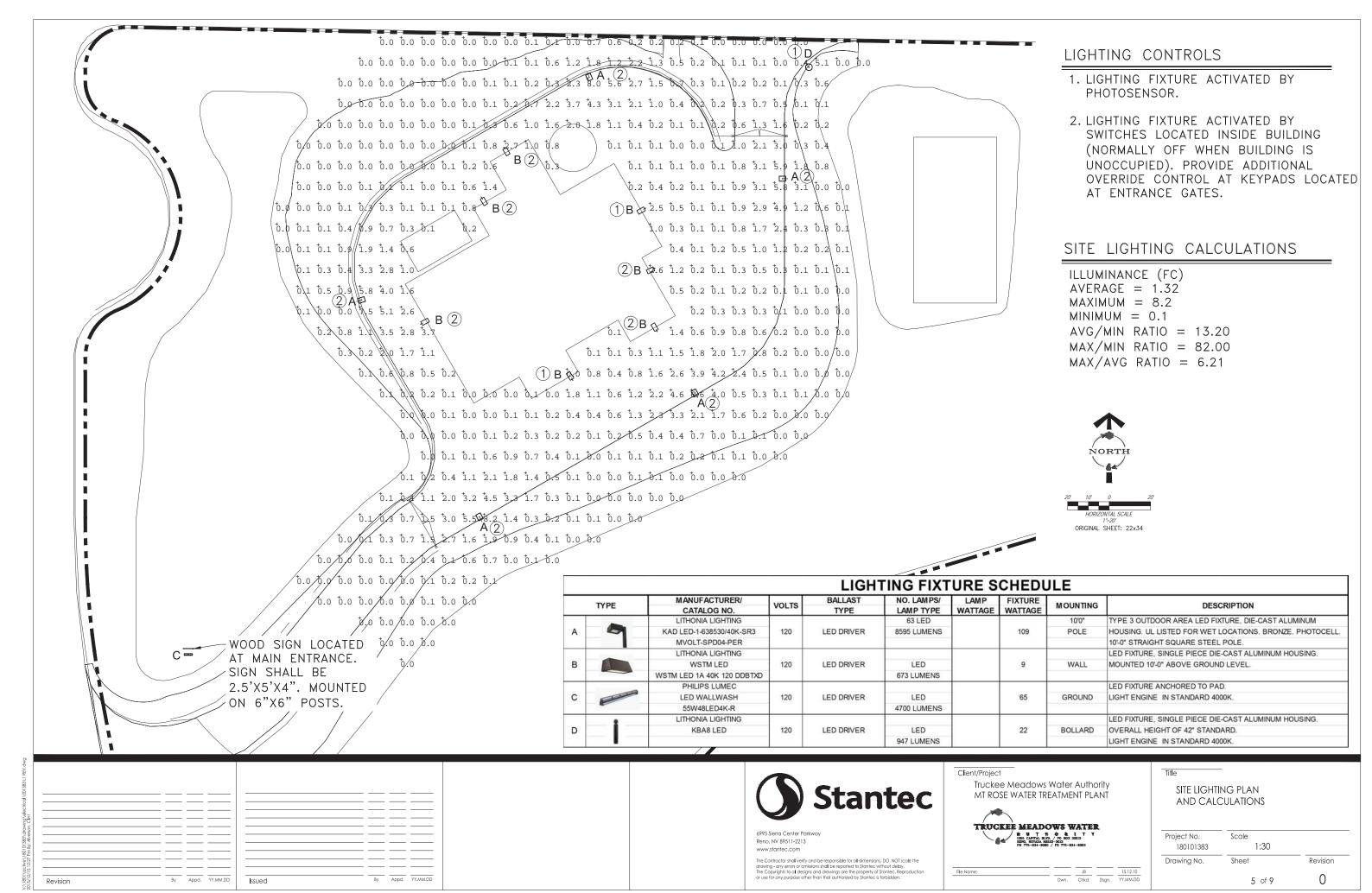


Client/Project
Truckee Meadows Water Authority
MT ROSE
WATER TREATMENT PLANT

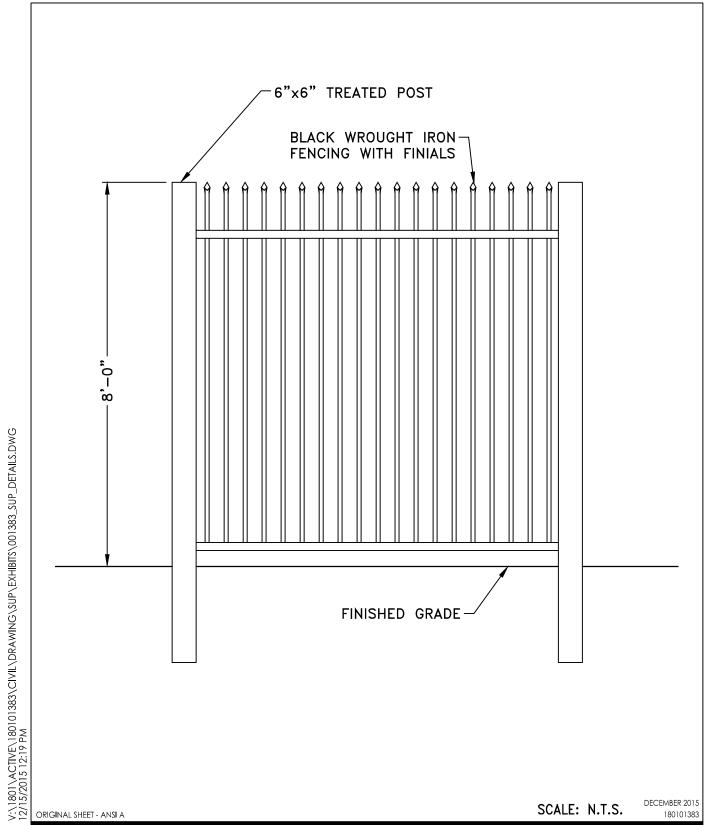
Figure No.

4
Title

SIGNAGE PLAN



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Client/Project

Truckee Meadows Water Authority MT ROSE

WATER TREATMENT PLANT

Figure No. Title

FENCE DETAIL



MT ROSE WATER TREATMENT PLANT

Future Extension of Callahan Ranch Road, Washoe Co. NV



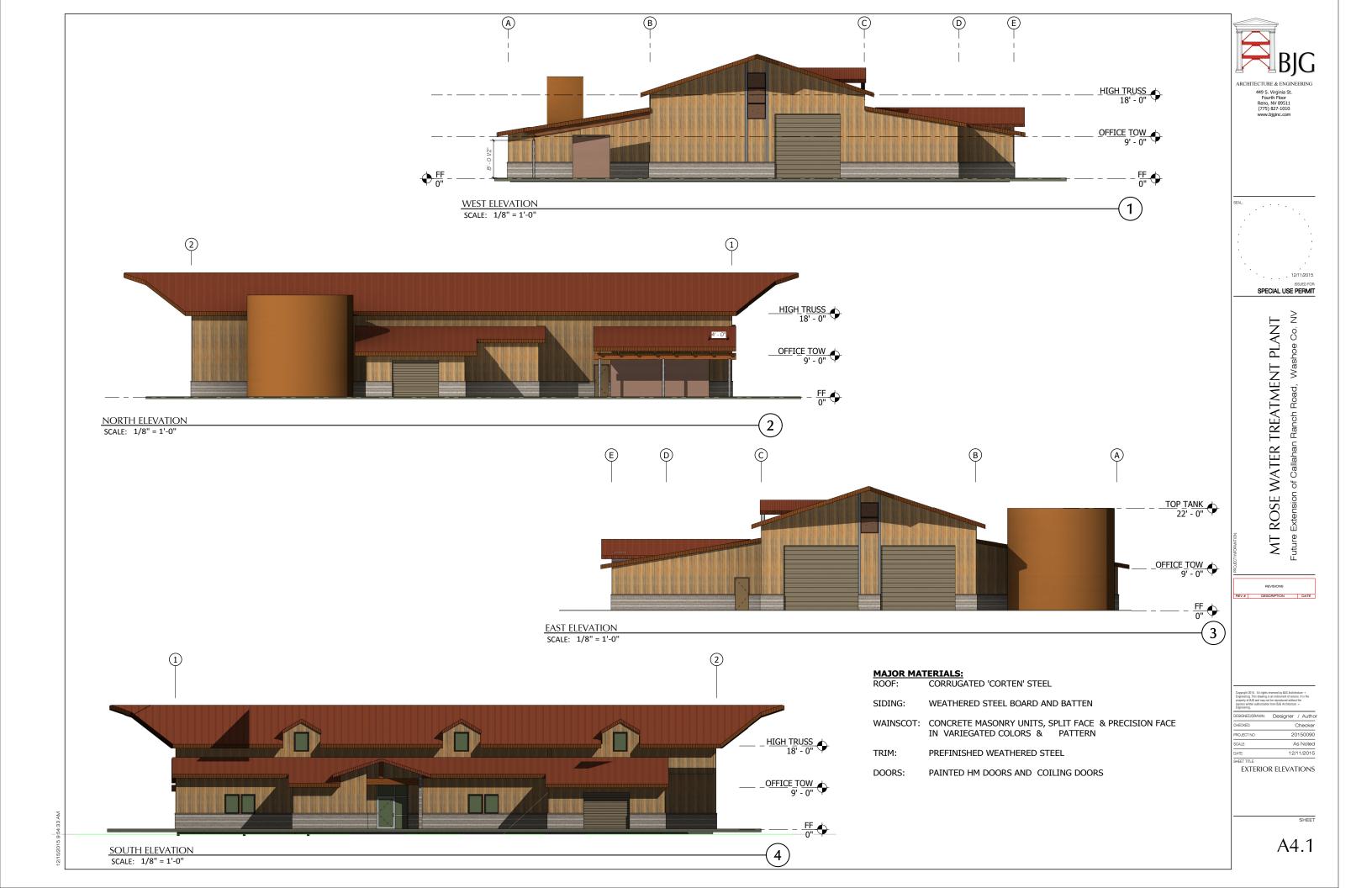
VIEW FROM SOUTH EAST NOT TO SCALE

SPECIAL USE PERMIT

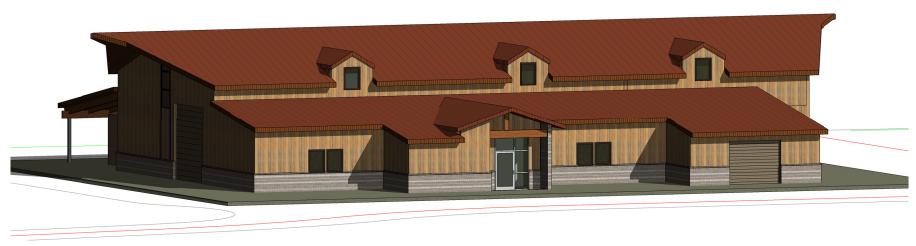
MT ROSE WATER TREATMENT PLANT Future Extension of Callahan Ranch Road, Washoe Co. N

TITLE SHEET

TS.1







VIEW FROM S-WEST NOT TO SCALE

ARCHITECTURE & ENGINEERING
449 S. Virginia St.
Fourth Floor
Reno, NV 89511
(775) 827-1010
www.bjginc.com



MT ROSE WATER TREATMENT PLANT Future Extension of Callahan Ranch Road, Washoe Co. NV

REV# DESCRIPTION DATE

Engineering.	
DESIGNED/DRAWN:	Designer / Autho
CHECKED:	Checker
PROJECT NO:	20150090
SCALE:	As Noted
DATE:	12/11/2015
SHEET TITLE:	

PERSPECTIVES

A5.1

APPENDICES

APPENDIX A

AFFIDAVIT FOR WASHOE COUNTY WITH PARCEL MAPS



Washoe County COMMUNITY SERVICES DEPARTMENT

Operations Division

December 9, 2015

Eva Kraus Washoe County Community Services Department Planning and Development

Re: Special Use Permit Application -Mt Rose Water Treatment Plant, Truckee Meadows Water Authority

Eva,

This letter is to inform you that the Truckee Meadows Water Authority (TMWA) has discussed their proposed Mt Rose Water Treatment Plant project with the Washoe County Community Services Department (CSD) and described the need to install water diversions on Whites and Thomas Creeks as part of the project. TMWA identified the proposed diversion locations (APN 150-492-20 and APN 152-430-18), explained why the diversions need to be constructed at these locations, described the nature of the diversion structures, and requested CSD consider granting land easements for the two diversions. CSD has agreed to assess the possibility of granting the necessary easements; however, no determination of whether the easement can or will be granted has been made at this time.

We understand the project schedule requirements and the need for TMWA to submit a Special Use Permit application in advance of a determination on the granting of any easements for the diversions. As such, CSD does not object to TMWA submitting an SUP application for the water treatment plant project with diversions located on Washoe County owned parcels APN 150-492-20 and APN 152-430-18. However, issuance of a Special Use Permit shall not be interpreted as a commitment or guarantee that Washoe County can or will grant any easements for the project. Further, the issuance of a Special Use Permit shall not bind Washoe County to any term or condition related to the granting of any easements for the project. Any grant of easements relative to this project will be subject to the procedures set forth in the adopted Park Land Easement Policy and may occur subsequent to the SUP application process. This Park Land Easement procedure will identify any and all terms and conditions to be included in any easement agreement.

If you have any questions, please don't hesitate to contact me at 328-2182 (office) or Ecrump@washoecounty.us (email).

Thank you,

Eric Crump

Operations Division Director

c: Dave Solaro, Director-CSD John Enloe, TMWA

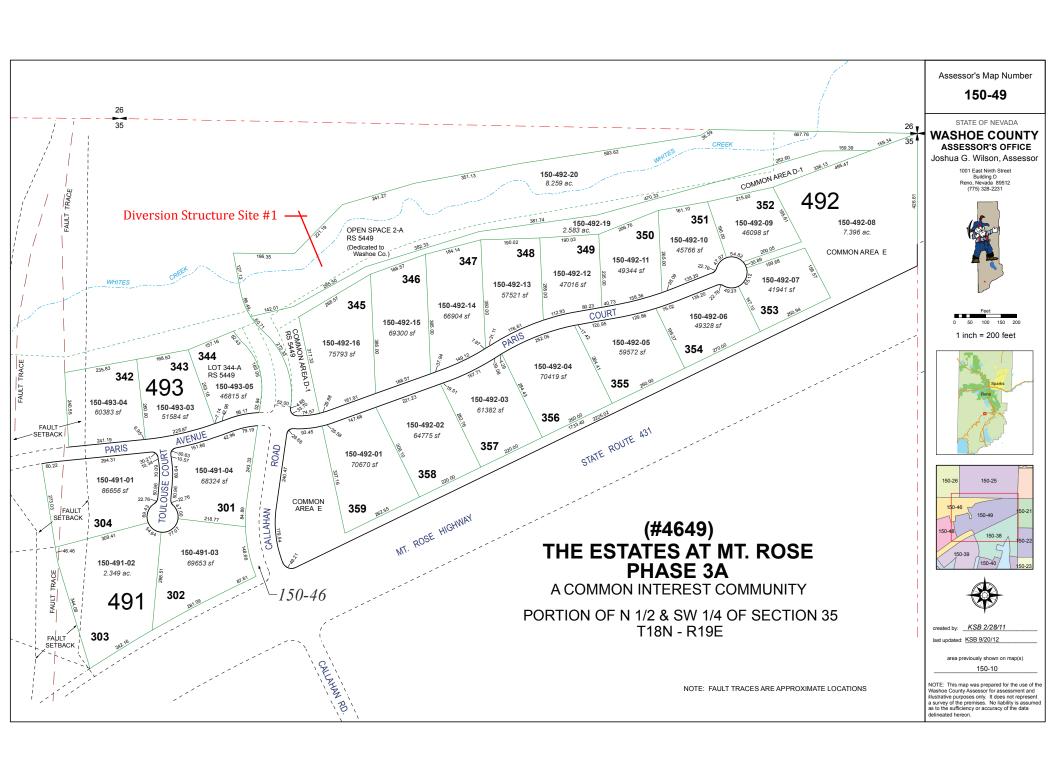
John Buzzone, Stantec

Owner 1 Mail Address Rec Doc No Prior Owner Prior Doc Keyline Desc Subdivision			WAS	SHOE CO	DUNT	Y ASSESSO	R PROF	PER	RTY	DATA				12/14/20	015
Situs Owner 1 Mail Address Rec Doc No Prior Owner Prior Doc Keyline Desc Subdivision	_		gal Descrir	otion						Building	Inform	ation			
Owner 1 Mail Address Rec Doc No Prior Owner Prior Doc Keyline Desc Subdivision	CALLAHA		J. 1011		Quality				Bldg Type						
Rec Doc No Prior Owner Prior Doc Keyline Desc Subdivision	WASHOE				tories	Н						uare Feet	0		
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Rec Doc No Prior Owner Prior Doc Keyline Desc Subdivision	RENO NV 89520						W.A.Y.	0		Finished Bsmt			0		
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Keyline Desc Subdivision		-52 2517(123	, Li ,			Half	Baths	0					Gar Cor	ıv Sq Foot	0
Subdivision		OPENI SPACI	F 2-Δ		-	Fi	ktures						Total	Gar Area	0
L						Fire	olaces	0						Gar Type	
	Subdivision ESTATES AT MT ROSE PHASE 3A Lot: 2-A Block: OS Sub Map#					Hea	t Type						D	et Garage	0
Record of		-	Parcel			Sec Hea	t Type						Bsmt	Gar Door	0
			Map#			Ext	Walls						Sub Floor		
Section: 35 Township: 18 SPC			SPC	011		Sec Ext	ec Ext Walls			Frame					
Range: 19					Roof	Roof Cover			Construction Mod (0				
Tax Dist	6000 A	dd'l Tax	Prior APN	150-492	2-18	Obso/Bl	dg Adj	Adj 0		Units/Bldg 0			0		
	% Incomple		nplete			Units/Parcel 0			0						
Tax Cap Use does not qualify for Low Ca Status Applied				,, riigii Cap											
-					Lar	d Informa	tion								
Land Use 12	0			Zor	ning	HDR 17% / 0	OR 17% / GR 83%			Sewer	None		NBC	EAFF	
Size 8.2	26 Acre o	r ~ 359,806	SqFt	Wa	ater	None				Street Paved NBC Map EA NBC				EA NBC M	lap
Valua	ation Inf	ormation	ı			Sales/Tr	ansfei	r In	nfor	mation	Recorde	ed Doo	umen	t	
Valuation History 2015/16 2016/17 FV NR		V-Code	LUC	Doc Date		Value/Sale Price				Grantee					
Taxable Lan	nd Value	8,260	8,260	3NTT	240	10-05-2012		0 TL MT ROSE ESTATES		ΓES LP,	, WASHOE COUNTY		Υ		
Taxable Improvement Value		0	0	3NTT	240	08-24-2012			0	TL MT ROSE ESTATES LP, TL MT ROSE		ROSE ESTA	TES LF		
Taxab	ole Total	8,260	8,260												
Assessed Land Value 2,891 2,891															
Assessed Impro	vement Value	0	0												
Total A	ssessed	2,891	2,891												
he 2016/2017 v and subject to c		e prelimina	ary values												
	hange.														

If the property sketch is not available on-line you can obtain a copy by calling (775) 328-2277 or send an email to

line. Please include the APN.

All parcel data on this page is for use by the Washoe County Assessor for assessment purposes only. Zoning information should be verified with the appropriate planning agency. Summary data may not be a complete representation of the parcel. All Parcels are reappraised each year. This is a true and accurate copy of the records of the Washoe County Assessor's Office as of 12/13/2015. **NOTE:** The 2016/2017 values are preliminary values and subject to change.

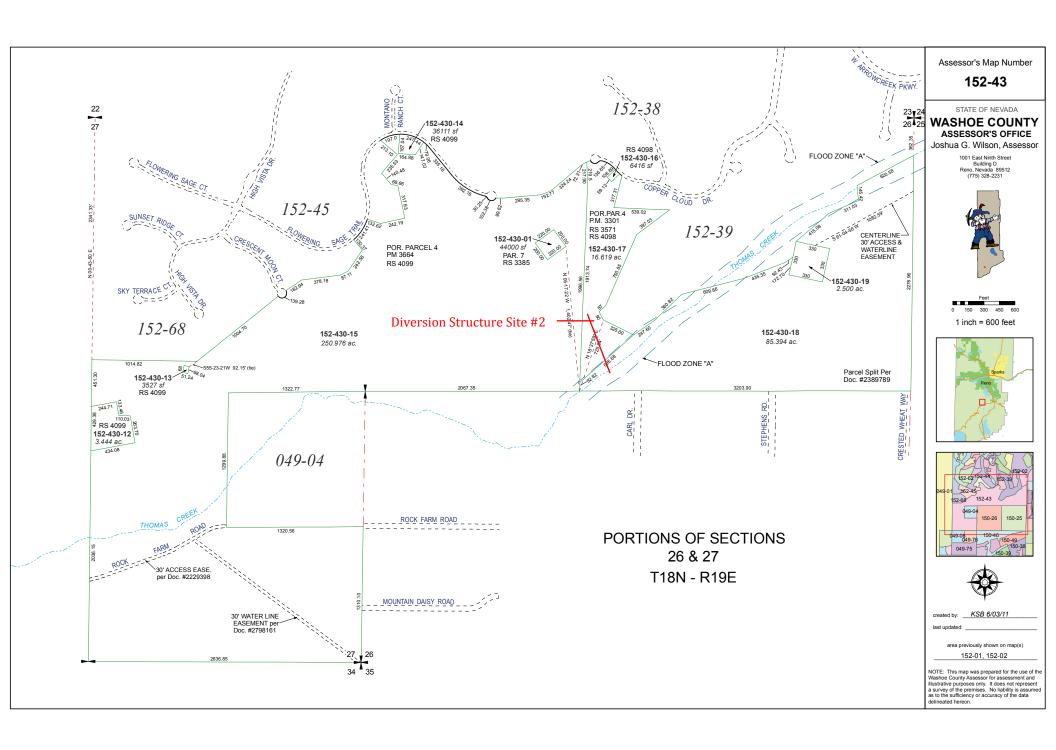


Tayable Land Value 95 200 95 200				WA	SHOE CC	UNT	Y ASSES	SOR PI	ROP	ER	TY DATA			12/14/20	015
Situs O ARROWCREEK PKWY Quality Stories Square Feet O															
Mail Address PO BOX 11130 Year Built O Square Feet O	Owner	^r Informa	tion & Le	gal Descri	ption						Buildi	ng Info	rmation		
Mail Address PO BOX 11130	Situs	0 ARROW	CREEK PKW	ſΥ				Qual	lity					Bldg Type	
ATTN COMMUNITY SERVICES DEPT RENO NV 89520 Rec Date 10/15/1999 Bedrooms 0 Unfin Bsmt 0	Owner 1	WASHOE	COUNTY					Stor	ies					Square Feet	0
REND NV 89520	Mail Address	PO BOX 11130					,	Year Bu	uilt	0			not include Base	ement or Gara	age
Rec Doc No 2389789 Rec Date 10/15/1999 Bedrooms 0 Unfin Bsmt 0	ATTN COMMUNITY SERVICES DE			PT			147.4		_	Conversio	n Area.				
Prior Owner		RENO N	V 89520	_			-	-					_		
Half Baths 0 Gar Conv Sq Foot 0	Rec Doc No	2389789		Rec Date	10/15/1	999			-	-					0
Record of Survey Map: 3571	Prior Owner									_					_
Subdivision	Prior Doc	2389789								0					
Lot: 4 Block: Sub Map# Heat Type Det Garage O	Keyline Desc	PM 3301 I	FR LT 4 RS 3	3571					-	_			То		0
Record of Survey Map: 3571	Subdivision	_UNSPECI	FIED			-			-	0					
Section: Township: 18 Range: 19 Sec Ext Walls Sub Floor		Lot: 4	4 Block:	Sub Map#											_
Section: Township: 18 Range: 19	Record o	of Survey N	lap: 3571		3301	_	Sec H		•				Bsı		0
Roof Cover Construction Mod 0				· ·		_									
Tax Dist 6000 Add'l Tax Prior APN 152-020-82 Obso/Bldg Adj 0 Units/Bldg 0 Tax Cap Status Applied Land Use 100 Zoning OS Sewer None NBC EBZZ Size 85.394 Acre or - 3,719,763 SqFt Water None Street None NBC Map EB NBC Map Valuation Information Valuation History 2015/16 PV NR SNTT 100 06-06-2011 0 WASHOE COUNTY, WASHOE COUNTY	Section: Tov				011 S				-						
Tax Cap Use does not qualify for Low Cap, High Cap Status Applied Units/Parcel O Mincomplete Units/Parcel O	Tay Diet	6000 00		Prior APNI	152-020	1-82			_						0
Land Use 100 Land Information	Tax Disc		Juliax	THOI AT IN	152-020	-02			-	0					
Land Use 100 Zoning OS Sewer None NBC EBZZ Size 85.394 Acre or ~ 3,719,763 SqFt Water None Street None NBC Map EB NBC Map Valuation Information Sales/Transfer Information/Recorded Document Valuation History 2015/16 FV 2016/17 NR V-Code LUC Doc Date Value/Sale Price Grantor Grantee Tayable Land Value 95 300 98 200 98 200 98 200 0 WASHOE COUNTY, WASHOE COUNTY						y, High Cap % Incomplete				Units/Parcel 0				0	
Size 85.394 Acre or ~ 3,719,763 SqFt Water None Street None NBC Map EB NBC Map Valuation Information Sales/Transfer Information/Recorded Document Valuation History 2015/16 FV 2016/17 NR V-Code LUC Doc Date Value/Sale Price Grantor Grantee Tayable Land Value 95 300 SS 200 98 200 98 200 98 200 98 200						Lan	d Infor	matio	n						
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FV NR 3NTT 100 06-06-2011 0 WASHOE COUNTY, WASHOE COUN	Valuation H	Valuation History 2015/16 2016/17		V-Code	LUC	Doc [lue/Sale Price		Grantor		Grantee		
Taxable Land Value 85,390 85,390 10.45 4000 0			FV	NR	3NTT	100	06-06-	-2011			0 WASHOE COUNTY,		WASHOE COUNTY		
10-15-1999 0 WASHOE COUN	Taxable La	and Value	85,390	85,390			10-15-	1999			0		WASHOE COUNT		
Taxable Improvement 0 0 Value	Taxable Impi		0	0											
Taxable Total 85,390 85,390	Taxa	able Total	85,390	85,390											
Assessed Land Value 29,887 29,887	Assessed La	and Value	29,887	29,887											
Assessed Improvement Value 0 0	Assessed Impi		0	0											
Total Assessed 29,887 29,887	Total	Assessed	29,887	29,887											
The 2016/2017 values are preliminary values and subject to change.			e prelimina	ary values											
Building #1 Sketch Property Photo		Ві	uilding #1	Sketch								Proper	ty Photo		

If the property sketch is not available on-line you can obtain a copy by calling (775) 328-2277 or send an email to

line. Please include the APN.

All parcel data on this page is for use by the Washoe County Assessor for assessment purposes only. Zoning information should be verified with the appropriate planning agency. Summary data may not be a complete representation of the parcel. All Parcels are reappraised each year. This is a true and accurate copy of the records of the Washoe County Assessor's Office as of 12/13/2015. **NOTE:** The 2016/2017 values are preliminary values and subject to change.



APPENDIX B

PROOF OF PROPERTY TAX PAYMENTS

APN: 150-460-05

150-492-20

152-430-18

Account Detail Page 1 of 1

Water Treatment Plant Site

Washoe County Treasurer Tammi Davis Washoe County Treasurer P.O. Box 30039, Reno, NV 89520-3039 ph: (775) 328-2510 fax: (775) 328-2500

Account Detail

Back to Search Results Change of Address Print this Page **Washoe County Parcel Information** Parcel ID Status Last Update 12/15/2015 2:10:17 15046005 Active AM SITUS: **Current Owner:** 0 MOUNT ROSE HWY TL MT ROSE ESTATES LP WCTY NV 3300 DOUGLAS BLVD STE 450 ROSEVILLE, CA 95661 **Taxing District** Geo CD: 6000 Legal Description Township 18 Section 35 Lot 3-1-A Block Range 19 SubdivisionName ESTATES AT MT ROSE

Tax Bill (Click on desired tax year for due dates and further details)												
Tax Year	Net Tax	Total Paid	Penalty/Fees	Interest	Balance Due							
2015	\$4,204.07	\$4,204.07	\$0.00	\$0.00	\$0.00							
2014	\$4,073.04	\$4,136.01	\$0.00	\$0.00	\$0.00							
2013	\$3,952.78	\$3,952.78	\$0.00	\$0.00	\$0.00							
				Total	\$0.00							

Important Payment Information

- ALERTS: If your real property taxes are delinquent, the search results displayed may not reflect the correct amount owing. Please contact our office for the current amount due.
- For your convenience, online payment is available on this site. E-check payments are accepted without a fee. However, a service fee does apply for online credit card payments. See Payment Information for details.



\$0.00

Pay By Check

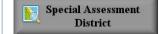
AMOUNT ABOVE WILL POPULATE AFTER PAYMENT TYPE IS SELECTED

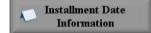
Please make checks payable to: WASHOE COUNTY TREASURER

Mailing Address: P.O. Box 30039 Reno, NV 89520-3039

Overnight Address: 1001 E. Ninth St., Ste D140 Reno, NV 89512-2845









The Washoe County Treasurer's Office makes every effort to produce and publish the most current and accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use, or its interpretation. If you have any questions, please contact us at (775) 328-2510 or tax@washoecounty.us

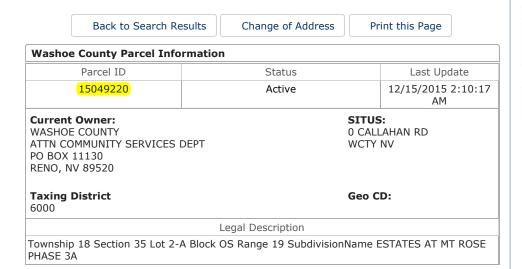
This site is best viewed using Google Chrome, Internet Explorer 11, Mozilla Firefox or Safari.

Account Detail Page 1 of 1

Diversion Site #1 - Whites Creek

Washoe County Treasurer Tammi Davis Washoe County Treasurer P.O. Box 30039, Reno, NV 89520-3039 ph: (775) 328-2510 fax: (775) 328-2500

Account Detail



Tax Bill (Click on desired tax year for due dates and further details)					
Tax Year	Net Tax	Total Paid	Penalty/Fees	Interest	Balance Due
2015	\$0.02	\$0.02	\$0.00	\$0.00	\$0.00
2014	\$0.02	\$0.02	\$0.00	\$0.00	\$0.00
2013	\$0.02	\$0.02	\$0.00	\$0.00	\$0.00
				Total	\$0.00

Important Payment Information

- <u>ALERTS:</u> If your real property taxes are delinquent, the search results displayed may not reflect the correct amount owing. Please contact our office for the current amount due.
- For your convenience, online payment is available on this site. E-check payments are accepted without a fee. However, a service fee does apply for online credit card payments. See Payment Information for details.



No payment due for this account.

\$0.00

Pay By Check

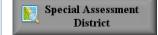
AMOUNT ABOVE WILL POPULATE AFTER PAYMENT TYPE IS SELECTED

Please make checks payable to: WASHOE COUNTY TREASURER

Mailing Address: P.O. Box 30039 Reno, NV 89520-3039

Overnight Address: 1001 E. Ninth St., Ste D140 Reno, NV 89512-2845









The Washoe County Treasurer's Office makes every effort to produce and publish the most current and accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use, or its interpretation. If you have any questions, please contact us at (775) 328-2510 or tax@washoecounty.us

This site is best viewed using Google Chrome, Internet Explorer 11, Mozilla Firefox or Safari.

Account Detail Page 1 of 1

Diversion Site #2 - Thomas Creek

Washoe County Treasurer Tammi Davis Washoe County Treasurer P.O. Box 30039, Reno, NV 89520-3039 ph: (775) 328-2510 fax: (775) 328-2500

Account Detail

Back to Search Results Change of Address Print this Page **Washoe County Parcel Information** Parcel ID Status Last Update 12/15/2015 2:10:17 15243018 Active AM **Current Owner:** SITUS: WASHOE COUNTY 0 ARROWCREEK PKWY ATTN COMMUNITY SERVICES DEPT WCTY NV PO BOX 11130 RENO, NV 89520 **Taxing District** Geo CD: 6000 Legal Description Township 18 SubdivisionName _UNSPECIFIED Range 19 Lot 4

Tax Bill (Click on desired tax year for due dates and further details)					
Tax Year	Net Tax	Total Paid	Penalty/Fees	Interest	Balance Due
2015	\$0.19	\$0.19	\$0.00	\$0.00	\$0.00
2014	\$0.18	\$0.18	\$0.00	\$0.00	\$0.00
2013	\$0.18	\$0.20	\$0.00	\$0.00	\$0.00
2012	\$0.12	\$0.12	\$0.00	\$0.00	\$0.00
2011	\$0.14	\$0.14	\$0.00	\$0.00	\$0.00
				Total	\$0.00

Important Payment Information

- <u>ALERTS:</u> If your real property taxes are delinquent, the search results displayed may not reflect the correct amount owing. Please contact our office for the current amount due.
- For your convenience, online payment is available on this site. E-check payments are accepted without a fee. However, a service fee does apply for online credit card payments. See Payment Information for details.

Pay Online

No payment due for this account.

\$0.00

Pay By Check

AMOUNT ABOVE WILL POPULATE AFTER PAYMENT TYPE IS SELECTED

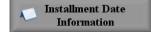
Please make checks payable to: WASHOE COUNTY TREASURER

Mailing Address: P.O. Box 30039 Reno, NV 89520-3039

Overnight Address: 1001 E. Ninth St., Ste D140 Reno, NV 89512-2845









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This site is best viewed using Google Chrome, Internet Explorer 11, Mozilla Firefox or Safari.

APPENDIX C

TRAFFIC IMPACT REPORT



To: John Enloe, P.E. From: Joseph Mactutis, PE, PTOE

Truckee Meadows Water Authority Stantec Reno

File: 180101383 Date: December 14, 2015

Reference: Mt Rose/Galena Fan Water Treatment Plant – Special Use Permit Application

Traffic Impact Report

This memorandum is submitted to the Truckee Meadows Water Authority (TMWA) in fulfillment of the "Traffic Impact Report" requirement of the Washoe County Special Use Permit Application (SUP) for the above referenced project.

Background

It is understood that TMWA is proposing to develop the Mt. Rose/Galena Fan Water Treatment Plant (WTP) on property within The Estates at Mt. Rose subdivision. This location is further described as connecting to Callahan Ranch Road just north of the intersection of Callahan Ranch Road and Paris Avenue. Callahan Ranch Road intersects with SR 431, Mt. Rose Highway approximately 0.12 miles from the project site. Callahan Ranch Road and Paris Avenue are Washoe County jurisdictional roadways. SR 431, Mt. Rose Highway is an NDOT jurisdictional roadway classified as a minor arterial. Figure 1 below illustrates the project location.



Figure 1. Proposed Mt. Rose/Galena Fan Water Treatment Plant Location



December 14, 2015 John Enloe, P.E. Page 2 of 3

Reference: Mt Rose/Galena Fan Water Treatment Plant - Special Use Permit Application

Traffic Impact Report

Traffic Impact Study Requirements

As per Item 8 of the Washoe County SUP Development Application Requirements: "Traffic impact reports are required whenever the proposed development project will generate 80 or more weekday peak hour trips as determined using the latest edition Institute of Transportation Engineers (ITE) trip generation rates or other such sources as may be accepted by the Washoe County Engineering and Capital Projects. Projects with less than 200 peak hour trips may not need to perform an impact analysis for future years. Traffic consultants are encouraged to contact staff prior to preparing a traffic impact report."

Consultation with Washoe County Community Development Department Staff

As recommended by Washoe County SUP Application Requirements, in October 2015 Stantec contacted Mr. Trevor Lloyd, Senior Planner with the Washoe County Community Services Department, regarding the need for a traffic impact report for this project. Although this was prior to the assignment of the case to Ms. Eva Krause, Mr. Lloyd concurred that a traffic impact report would not be required for the permit based on the anticipated traffic volumes. However, if traffic volumes exceeded these thresholds the development could be found in violation of its SUP.

Trip Generation

Water treatment plants are unique facilities custom designed to perform specific water treatment operations and are not included in trip generation rates published by the Institute of Transportation Engineers (ITE). ITE's trip generation rates would also not have information for similar uses. Given the unique nature of water treatment plants, Stantec in conjunction with TMWA, developed anticipated traffic volumes based upon an operational analysis of the proposed Mt. Rose/Galena Fan WTP. This traffic estimate included employees required to operate the plant, facility maintenance personnel for landscaping, and material deliveries. This traffic estimate is presented in Appendix A "Mt Rose/Galena Fan Water Treatment Plant Staffing and Material Deliveries." In summary, anticipated traffic for this proposed water treatment plant is only four (4) trips per day. This is well below the Traffic Impact Report requirements of 80 weekday peak hour trips. Therefore, it is anticipated that a full traffic impact report is not required for the SUP Application and that this letter documenting the traffic generated by the site is sufficient.

Other Safety/Operation Concerns

In addition to the trip generation analysis described above, Stantec transportation engineers made one site visit to determine if any readily apparent potential safety issues and/or non-standard design considerations were present. Based upon this site visit, no potential safety issues or non-standard design considerations were identified. The proposed water treatment plant would access the public street network at Callahan Ranch Road as the north leg of the intersection of Callahan Ranch Road and Paris Avenue. This intersection is already a two-way stop controlled intersection and therefore no additional control would be required for this connection at the north leg. Project traffic would access SR 431, Mt. Rose Highway via Callahan Ranch Road. Mt. Rose Highway already has westbound right turn pockets and eastbound left turn pockets to access Callahan Ranch Road. A visual assessment of sight distance did not reveal any concerns of inadequate sight distance.



December 14, 2015 John Enloe, P.E. Page 3 of 3

Reference: Mt Rose/Galena Fan Water Treatment Plant - Special Use Permit Application

Traffic Impact Report

Summary and Conclusions

Stantec performed a trip generation estimate for the proposed Mt Rose/Galena Fan Water Treatment Plant and determined that traffic generated by the proposed project is well below thresholds established by Washoe County requirements for a traffic impact report as described in the SUP Development Application Requirements. Therefore, it is anticipated that a full traffic impact report is not required for the SUP Application and that this letter documenting the traffic generated by the site is sufficient. A site visit by Stantec transportation engineers did not reveal any potential safety issues or non-standard design considerations.

Stantec appreciates being of continued service to the Truckee Meadows Water Authority. If there are any questions or concerns regarding this traffic analysis, please feel free to contact the undersigned.

Stantec Consulting Services Inc.

Joseph A. Mactutis PE, PTOE Associate, Transportation Engineer Phone: (775) 398-1288 Fax: (775) 850-0787

joseph.mactutis@stantec.com

Attachment: Appendix A, Mt Rose/Galena Fan Water Treatment Plant Staffing and Material Deliveries

c. John Buzzone, Stantec





Memo

To: John Enloe, P.E. From: John Buzzone, P.E.

Mike Wilkin, P.E.

Truckee Meadows Water Authority Stantec Reno

File: 180101383 Date: November 13, 2015

Reference: Mt Rose / Galena Fan Water Treatment Plant Staffing and Material Deliveries

Stantec, Inc. is currently preparing a Special Use Permit (SUP) application on behalf of the Truckee Meadows Water Authority (TMWA) for the proposed Mt. Rose / Galena Fan Water Treatment Plant (WTP). The SUP application requires the preparation of a traffic analysis to determine the impact the WTP will have on the surrounding roadways. The traffic loading will be a function of the number of employee trips and deliveries to the WTP. This memorandum was prepared to document the anticipated WTP staffing levels and the expected frequency of deliveries.

STAFFING REQUIREMENTS

TMWA proposes to operate the WTP as an un-manned facility. This will require regularly scheduled visits as well as unscheduled visits by TMWA staff in standard service trucks. Scheduled visits are generally to perform process checks, collect water samples, monitor supplies, inspect equipment, perform regular maintenance, maintain landscaping, etc. Unscheduled visits, in general, will be for responding to process alarms, intrusion alarms, and to perform unscheduled maintenance or repairs. For the purpose of establishing the frequency of visits, it is assumed that some visits will be performed by non-operator staff (for example, landscape maintenance will be performed by TMWA landscaping staff). The anticipated scheduled and unscheduled staff visitations are summarized in Table 1.

Table 1 – Scheduled and Unscheduled Staff Visitations (Service Trucks)

0.1111	T
Scheduled Visitations	Frequency
Process Operations	2 (per day)
Trocess operations	= (per day)
Facilities Maintenance	1 (per week)
	(1)
Landscaping Maintenance	1 (per week)
Unscheduled Visitations	
Maintenance/Repair	1 (per week)
Process Alarms	1 (per day)
Frocess Alarins	r (per day)
Intrusion Alarms	1 (per week)
The Late American Strategic and	
Total Average Visitations	
Average Weekly Visitations	25
-	



Reference: Mt Rose / Galena Fan Water Treatment Plant Staffing and Material Deliveries

Average Daily Visitations	3.6

CHEMICAL AND MATERIALS DELIVERIES

Chemicals and materials will be delivered to the site in a variety vehicles ranging from service trucks to WB-40 trucks (up to 50-foot wheel span). Deliveries are expected to occur during normal scheduled staff visitations, and no additional staff visitations are necessary to receive the deliveries. The expected deliveries are summarized in Table 2.

Table 2 – Chemical and Material Deliveries (Misc. Trucks)

Type of Delivery	Frequency
Sodium Hypochlorite	1 (per month)
pH Control	1 (per month)
Polymer	1 (per month)
Misc. Equipment/Supplies	1 (per month)
Sand	1 (per month)
Total Average Deliveries	
Average Monthly Deliveries	5
Average Daily Deliveries	0.2

APPENDIX D

PRELIMINARY DRAINAGE ANALYSIS



To: John Enloe, P.E. From: Candice Abrams, P.E.

Trina Magoon, P.E.

Truckee Meadows Water Authority

1355 Capital Boulevard Reno, Nevada 89502 Stantec Consulting Services, Inc. 6995 Sierra Center Parkway Reno, Nevada 89511-2213

File: 180101383 Date: December 14, 2015

Reference: Mt. Rose / Galena Fan Water Treatment Plant – Special Use Permit Application

Preliminary Drainage Analyses

Stantec is currently preparing a Special Use Permit (SUP) application on behalf of the Truckee Meadows Water Authority (TMWA) for the proposed Mt. Rose / Galena Fan Water Treatment Plant (WTP). The SUP application requires the preparation of a drainage analysis to analyze existing and proposed drainage conditions at the WTP site.

PROJECT LOCATION

The proposed WTP is located on an approximately 3.9 acre site within the Monte Vista at Mt. Rose Estates neighborhood. This site is within an open space area of the neighborhood and adjacent to White's Creek. The WTP will be served by two diversions, one on White's Creek and one on Thomas Creek. The proposed WTP and diversion locations are located within Special Flood Hazard Zone A of Whites Creek and Zone A of Thomas Creek as shown on the Federal Emergency Management Agency's (FEMA) Flood Insurance Rate Map (FIRM) for Washoe County, Nevada and Incorporated Areas, panel 3240 of 3475, dated March 16, 2009.

ONSITE HYDROLOGIC ANALYSIS

The Rational Method was utilized to estimate the onsite peak flow rates for the, 5-year and 100-year storm events. The equation for the Rational Method is as follows:

$$Q = C*i*A$$

where: Q is the flow rate in cubic feet per second (cfs), C is the runoff coefficient, I is the intensity in inches per hour (in/hr), and I is the area in acres. One onsite watershed was developed for the site. Runoff coefficients were applied to the appropriate land uses within the watershed and weighted averages were calculated. NOAA Atlas 14 was used to estimate rainfall intensity values. Time of concentration for the basin was estimated using an initial overland flow time, plus the time of travel in a swale, or other conveyance system. A minimum time of concentration of ten (10) minutes was required per the *Truckee Meadows Regional Drainage Manual* (TMRDM), dated April 30, 2009, prepared by Washoe County, the City of Reno, and the City of Sparks, Nevada. Rational Method runoff rates for the site are listed in the table below:

Table 1 - Rational Method Runoff Rates

Scenario	5 Year Event Total Q5 (cfs)	100 Year Event Total Q100 (cfs)
Existing Conditions	1.3	7.8
Proposed Conditions	2.3	9.3
Runoff Increase	1.0	1.5



Reference: Mt. Rose / Galena Fan Water Treatment Plant – Special Use Permit Application Preliminary Drainage Analyses

Stantec obtained increases in runoff from existing to proposed conditions in both the 5-year and 100-year storm events, confirming that detention is required for the site. An onsite detention basin is proposed in the eastern corner of the site, just east of the proposed facility.

PROPOSED IMPROVEMENTS

The proposed onsite detention basin shall be designed to have sufficient capacity to detain the increase in runoff due to the proposed improvements, in addition to the 50,000 gallon water tank volume for a total of 281 cubic yards. Minimal additional onsite drainage improvements shall include inlets and storm drain piping in combination with LID swales that will enhance overall water quality onsite.

The WTP will be served by two infiltration gallery-type diversions, one on Whites Creek and one on Thomas Creek. The project will require the construction of facilities in the Sensitive Stream Zone. Whites and Thomas Creeks in the areas of the proposed diversions are historically undisturbed and heavily vegetated. Approximate flow rates for Thomas Creek and Whites Creek in the vicinity of the diversions were obtained from drainage reports prepared by Numbus Engineers, the *Revised Hydrologic Analyses for Thomas Creek, Dry Creek, and Boynton Slough,* dated November 1990, and the *Whites Creek Detention Facility Feasibility Study*" dated June 1993. 100-year flow rates of 2,640-cfs and 5,100-cfs were obtained for Thomas Creek and Whites Creek, respectively. The proposed diversions will include riprap channel lining to protect the diversion and prevent erosion. A preliminary maximum riprap size was found to be approximately Class 550; however, further analyses will be required to determine exact sizing.

Both streams in the project area are shown on the Washoe County Development Code (WCDC) Map 110.418.05.1 as a Perennial Stream and any project must comply with WCDC's Article 418 Significant Hydrologic Resources, and must result in no net loss of significant hydrological resource size, function and value. Further, any activities in the creeks will require coordination with the United States Army Corp of Engineers (USACE). Stantec will meet with the USACE at a Pre-Design Meeting to discuss the proposed project to determine any design requirements and mitigations necessary for the future diversions.

Compliance with FEMA regulations for development within a floodplain will also be required. In order to conceptually demonstrate no impact to the FEMA designated floodplain and no net loss of flood conveyance, one existing conditions cross section at each proposed intake location on Whites and Thomas Creeks were prepared and compared with proposed conditions cross sections showing the intake infrastructure.

CONCLUSIONS

Preliminary conceptual hydrologic and hydraulic analyses for the project have been prepared. Supplemental backup data has been included for reference and can be found in the appendix. The proposed drainage improvements have been conceptually designed to accommodate the peak flows developed in the hydrologic analyses (and obtained through reference materials) and meet the design standard criteria outlined in the *Truckee Meadows Regional Drainage Manual* (TMRDM), dated April 30, 2009, prepared by Washoe County, the City of Reno, and the City of Sparks, Nevada.

APPENDIX E

COMMUNITY OUTREACH LETTER SENT BY TMWA





July ??, 2015

{FIRSTNAME} {LASTNAME} {MAILINGSTREET} {MAILCITY}, {MAILSTATE} {MAILZIP}

RE: TMWA's Plan for Groundwater Sustainability on the Mt. Rose Fan Regarding Service Address: {STREETNUM} {STREET} {CITY}, NV {ZIPCODE}

Since the successful completion of Truckee Meadows Water Authority's (TMWA's) merger with the Washoe County Department of Water Resources (DWR) and the South Truckee Meadows General Improvement District (STMGID) water systems, TMWA is working on enhancing groundwater resources in the Mt. Rose Fan area.

At TMWA we recognized that once the merger was completed, we would implement programs to move treated surface water from the Truckee River and various creeks into the former DWR and STMGID systems. This conjunctive management of surface and groundwater resources in the Mt. Rose Fan area helps to protect and restore groundwater supplies. Conjunctive use management maximizes use of surface water when it's available, thereby reducing groundwater pumping. This approach allows us to meet demands with surface water, and to rest and recharge specific wells when enough surface water is available. For example, from January through May of 2015, the Double Diamond #1 and STMGID #1, #2, #3 and #11 wells were not pumped; the areas that these wells serve were supplied with surface water. Compared to January through May of 2014, this operation reduced groundwater pumping by over 147 million gallons. In addition, we also recharged over 18 million gallons of surface water into the groundwater aquifer during this same period.

Due to dependence upon groundwater and the continued decline in water levels aggravated by the ongoing drought, it is necessary to provide a supplemental source of supply for the water systems located on the upper Mt. Rose and Galena fan areas as soon as possible. These areas currently rely on groundwater wells for 100 percent of their water supply and the continuing drought situation has severely limited the amount of natural recharge to local aquifers. TMWA's unique ability to provide conjunctive use management is something neither STMGID nor DWR could do with their more limited water resources. This program and the projects described below support one of the primary goals of consolidation: to improve management of the area's water resources.

With the full resources of a consolidated water utility now available, immediate construction of the facilities to implement conjunctive use management has begun. This will improve reliability for both TMWA customers and domestic well owners by mitigating the continued decline of groundwater levels in the area.

TMWA's Conjunctive Use Plan

TMWA is implementing a \$7.8 million conjunctive-use plan for the Mt. Rose/Galena Fan area, consisting of three projects (see enclosed map) which will provide the ability to deliver treated surface water from the Truckee River to the area:

- Arrowcreek/Mt. Rose Conjunctive-Use Facilities
- Expanded Conjunctive-Use Facilities/Aquifer Storage and Recovery Program
- STMGID Conjunctive-Use Facilities

Note: these facility improvements are included in TMWA's existing budget and will not affect rates.

Arrowcreek/Mt. Rose Conjunctive-Use Facilities

The Arrowcreek/Mt. Rose Conjunctive-Use Phase 1 Facilities will deliver up to 1,500 gallons per minute of surface water during the winter months. This allows TMWA to not pump its production wells in the Arrowcreek and Mt. Rose water systems. These facilities consist of three booster pump stations and about 3,600 feet of 10-inch pipe on Zolezzi Lane. When installed, the project will deliver water to the Arrowcreek #3 Tank, located below the Thomas Creek Trail parking lot off Timberline Drive. This \$2.8 million project is scheduled for construction in the summer of 2015; the facilities are planned to be operational by November of this year.

Expanded Conjunctive-Use Facilities/Aquifer Storage and Recovery Program

TMWA is also expanding its Aquifer Storage and Recovery (ASR) Program. ASR occurs during the fall, winter and spring when water use in the community drops to approximately one-fourth of its peak summer usage, making Truckee River water available for recharge. ASR is the process of injecting treated surface water into the groundwater aquifer when the wells are not in use. The more water we can recharge and store during the off-peak season, the more we will have available when river flows are low. It's like money in the bank.

Since last winter, TMWA engineers, hydrogeologists and operations personnel have been identifying well sites for recharge in the Mt Rose/Galena Fan area. Staff is working as quickly as possible to test, design, permit, construct and implement recharge in at least three wells by this coming winter. The first wells scheduled to be equipped for recharge are Arrowcreek 2, Tessa West and Mt Rose 3.

An additional component of the overall ASR program is Phase 2 of the Arrowcreek/Mt. Rose conjunctive-use facilities. Scheduled to be constructed in 2016-2017, Phase 2 will consist of an additional \$1.2 million of system improvements. This will allow delivery of surface water into the upper portions of the Mt. Rose/Galena water system for use in recharging additional wells.

STMGID Conjunctive-Use Facilities

The third project, the \$3.8 million STMGID Conjunctive-Use Facilities, will provide an off-peak surface water supply for an area which primarily serves former STMGID customers, located in the vicinity of the Saddlehorn neighborhood. The facilities will be constructed in 2017-2018, benefiting TMWA customers and domestic well owners by providing surface water to protect and restore groundwater resources. The project will consist of a new booster pump station and about 8,100 feet of 10-inch pipe to be located on Arrowcreek Parkway. These facilities will deliver about 1,000 gallons per minute to the STMGID Tank 4 and Tank 5 zones during the winter months.

Addressing Water Demand Created by New Development

Effective June 1, 2015, TMWA's Board of Directors adopted revisions to its rules, water rights dedication policies and Water Service Facility Charges for the Mt. Rose/Galena Fan area. These changes affect new development in the area.

It is important to note that TMWA is a water purveyor required to respond to development approved by local governments. TMWA does *not* promote or encourage development in one location versus another. When, where and what type of growth occurs is solely within the land-use entitlement and planning functions of cities, counties and regional planning agencies. By contrast, TMWA's water-supply planning is designed to facilitate delivery of safe and reliable water supplies—*if and when land-use entitlements are granted*. TMWA is obligated to provide retail water service to users in its service area, which it can only do by identifying present and future needs and doing the necessary planning to meet them. TMWA's integrated planning process ensures the long-term water resources, facility capacity and funding mechanisms are in place to meet current and future water supply and demand conditions.

The newly adopted rules, water rights dedication policies and Water Service Facility Charges for this area require developers to dedicate supplemental surface water (creek) supplies when dedicating groundwater for new service in the area. Supplemental surface water resources (Whites, Thomas and/or Galena creeks) are a key component of the conjunctive resource management plan and necessary to ensure a sustainable water supply for existing customers, domestic well owners and new development in these areas.

Surface water from Whites, Thomas and Galena creeks has historically been used for agricultural irrigation. These creeks remain a key part of the regional water resources for the South Truckee Meadows. For instance, the creeks

are used to augment the South Truckee Meadows Water Reclamation Facility reclaimed water (purple pipe)

supply. The State Engineer also permits the use of these creek rights for water service.

In order to develop supplemental surface water supplies that will provide for the long-term sustainability of the

local groundwater aquifer, TMWA is implementing the plan to construct a small water treatment plant (WTP) off

of Whites and Thomas Creeks—this plan was approved as part of Washoe County's 2002 South Truckee

Meadows Facility Plan. The County's Facility Plan recognized that, "The upper treatment plant is an integral

component of the recommended water supply plan ... Most importantly, it will provide recharge water and/or

offset winter groundwater pumping in the upper Mt. Rose fan area."

As part of the process of planning for this small WTP, biologists and scientists are evaluating creek habitat and

biological resources, as well as its form, structure and functionality. This assessment will make it possible to

estimate the amount and timing of water that could be supplied to the WTP. The WTP project will be vetted

through various permitting agencies and Washoe County's Special Use Permit process, taking into account public

input and comments.

Lastly, TMWA is developing and expanding an updated groundwater model for the area. The new model will

significantly improve estimates of water-level impacts from future pumping, climate variability and recharge

scenarios. TMWA plans to use the model to optimize well-pumping rates and locations, as well as recharge

locations. This will help reduce the drawdown that can be expected to occur, particularly in the months when the

municipal wells are used the most.

I understand this is a lot of information. If you have questions or would like further explanation of TMWA's

plans, please contact me at jenloe@tmwa.com or 834-8250.

Sincerely,

John Enloe, P.E.

Manager, Operational Strategies

Jahn Enlee

Enclosure

Truckee Meadows Water Authority is a not-for-profit, community-owned water utility, overseen by elected officials and citizen appointees from Reno, Sparks and Washoe County.

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APPENDIX F

OFFICAL PLAT OF MONTE VISTA AT THE ESTATES AT MOUNT ROSE

THE OFFICIAL PLAT OF MONTE VISTA AT THE ESTATES AT MOUNT ROSE A COMMON INTEREST COMMUNITY

OWNER'S CERTIFICATE:

THIS IS TO CERTIFY THAT THE UNDERSIGNED, TL MT. ROSE ESTATES, L.P., A CALIFORNIA LIMITED PARTIMERSHIP, IS THE OWNER OF THE TRACT OF LAND REPRESENTED ON THIS PLAT AND HAS CONSENTED TO THE PREPARATION AND RECORDATION OF THIS PLAT AND THAT THE SAME IS EXECUTED IN COMPLIANCE WITH AND SUBJECT TO THE PROVISIONS OF MASS. CHAPTERS 278 AND SELECT TO THE PROVISIONS OF MASS. CHAPTERS 278 AND MASS HEREOF DEDICATED AND SET ARRATT DE BUSDED AS PUBLIC THOOROGIFFARES SHOWN AGE REFERRY DEDICATED AND SET ARRATT DE BUSDED AS PUBLIC THOOROGIFFARES AND WASSHED COUNTY PERMANENT EASEMENTS SHOWN ON THE PLAT FOR PLOUDES SHOW STREAGE, AND WASSHED COUNTY PERMANENT EASEMENTS SHOWN ON THE PLAT FOR PLOUDES SHOWS STREAGE, SYSTEMS TOGETHER WITH THE RIGHT OF ACCESS THERETO FOREVER. AND HEREBY GRANTS TO THE TRUCKEE MEADOWS WAITER AUTHORITY EASEMENTS IDENTIFIED ON THIS PLAT FOR WAITER FACULITIES WITH THE RIGHT OF ACCESS THERETO FOREVER. THE SEWER FACULITES AND ASSOCIATED WITH THE RIGHT OF ACCESS THERETO FOREVER. THE SEWER FACULITES AND ASSOCIATED WITH THE RIGHT OF ACCESS THERETO FOREVER. THE SEWER FACULITES AND ASSOCIATED PROVIDED AND THE PLAT FOR WAITER FACULITIES WITH THE RIGHT OF ACCESS THERETO FOREVER. THE SEWER FACULITES AND ASSOCIATED PROVIDED AND THE PLAT FOR WAITER FACULITIES AND ASSOCIATED PROVIDED AND THE PLAT FOR WAITER FACULITIES AND ASSOCIATED PROVIDED AND THE PLAT FOR WAITER FACULITIES AND ASSOCIATED TO THE VIEW PLAT FACULITIES AND ASSOCIATED THE METERS.

TL MT ROSE ESTATES, LP, A CALIFORNIA LIMITED PARTNERSHIP BY: TL MANAGEMENT, INC., A CALIFORNIA CORPORATION ITS: GENERAL PARTNER

8.12.15 RICHARD BALESTRERI DIRECTOR OF LAND

ACKNOWLEDGMENT:

STATE OF NEVADA
COUNTY OF WASHOE } SS

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME ON THE 13th DAY OF ALGUST. 2015, BY RICHARD BOLLSTYST. OF TL MANAGEMENT, INC., ITS GENERAL PARTNER OF TL MT. ROSE ESTATES, L.P., A CALIFORNIA LIMITED PARTNERSHIP.

Motary public PRINT NAME AMBER Harmon BY COMMISSION NUMBER 01-71967 - 2 MY COMMISSION EXPIRES 11-17-2017



SECURITY INTEREST HOLDER'S CERTIFICATE:

THIS IS TO CERTIFY THAT THE FOLLOWING HAVE CONSENTED TO THE PREPARATION AND RECORDATION OF THIS PLAT BY SEPARATE DOCUMENT.

HOUSING CAPITAL COMPANY, A MINNESOTA PARTNERSHIP BY DOCUMENT NO. OFFICIAL RECORDS OF WASHOE COUNTY, NEVADA (REFERENCE DEED OF TRUST DOCUMENT NO. 4124446 & MODIFICATION DOCUMENT NO'S 4271630 AND 4394024).

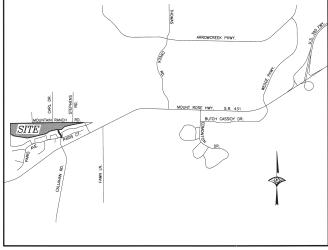
TITLE COMPANY CERTIFICATE:

THE UNDERSIGNED HEREBY CERTIFIES THAT THIS PLAT HAS BEEN EXAMINED AND THAT TI. MT. ROSE ESTATES, L.P., A CAUFORMA LIMITED PARTNERSHIP OWN OF RECORD AN INTEREST IN THE LANDS DELINEATED HEREON AND THAT THEY ARE THE OULY OWNERS OF RECORD OF SAID LIAND; THAT ALL COMPANY, A MINNESOTA PARTNERSHIP HOLDS OF RECORD A SCURITY INTEREST IN A PORTION OF THE LAND, THAT THERE ARE NO LIENS OF RECORD A SCURITY INTEREST IN A PORTION OF THE LAND, THAT THE AND EVENTAGED HEREON TO REPORT OF THE LAND CHARTEN HEREON FOR DELINOURNT STATE, COUNTY, MUNICIPAL, FEDERAL, OR LOCAL TAXES COLLECTED AS TAXES OR SPECIAL ASSESSIMENTS.

FIRST AMERICAN TITLE INSURANCE COMPANY OF NEVADA Westernard 8/21/2015 2480144 WILLIAM BERNARD . UNGERWRITER, ASS. SER

COUNTY SURVEYOR'S CERTIFICATE:

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS PLAT CONSISTING OF 5 SHEETS, AND THAT I AM SATISFIED SAID PLAT IS TECHNICALLY CORRECT AND THAT AN ADEQUATE PERFORMANCE GUARANTEE HAS BEEN FILED GUARANTEEING THE MONUMENTS AS SHOWN HEREON WILL BE SET BY



VICINITY MAP

UTILITY COMPANIES' CERTIFICATE:

THE UTILITY EASEMENTS SHOWN ON THIS PLAT HAVE BEEN CHECKED, ACCEPTED AND APPROVED BY THE UNDERSIONED CABLE TV, PUBLIC UTILITY COMPANIES, TRUCKEE MEADOWS WATER AUTHORITY AND WASHOE COUNTY COMMUNITY SERVICES DEPARTMENT. 11

Mitor	8-13-15
SIERRA PACIFIC POWER COMPANY D/B/A NV ENERGY	DATE
	8/13/15
NEVADA BELL D/B/A AT&T NEVADA	DATE
1.1.1.	8/13/2015
CHARTER COMMUNICATIONS	DATE
ally	8/19/15
WASHOE GOUNTY COMMUNITY SERVICES DEPARTMENT	DATE
J: 12	9/8/2015
TRUGKEE MEADOWS WATER AUTHORITY	DATE

TAX CERTIFICATE:

THE UNDERSONED HERBEY CERTIFIES THAT ALL PROPERTY TAKES ON THE LAND FOR THE FISCAL YEAR HAM BEEN PAID. AND THAT THE FULL AMOUNT OF ANY DEFERRED REPORTRY TAKES FOR THE CONVERSION TO THE PROPERTY FROM AGRICULTURAL USE. HAS BEEN PAID PURSUANT TO N.R.S. 361A.265. 8/19/2015 DATE

APN: 150-460-05 WASHOE COUNTY TREASURER

Jill L. Stevens-Combs, Deputy Treasurer NAME / TITLE (PRINT)

DISTRICT BOARD OF HEALTH CERTIFICATE:

THIS FIMAL MAP IS APPROVED BY THE WASHOE COUNTY DISTRICT BOARD OF HEALTH. THIS APPROVAL CONCERNS SEWAGE DISPOSAL, WATER POLLUTION, WATER QUALITY AND WATER SUPPLY FACILITIES AND IS PREDICATED UPON PLANS FOR A PUBLIC WATER SUPPLY AND A COMMUNITY SYSTEM FOR DISPOSAL OF SEWAGE.

FOR THE DISTRICT BOARD OF HEALTH

DATE

DIVISION OF WATER RESOURCES CERTIFICATE:

THIS PLAT IS APPROVED BY THE STATE OF NEVADA DIVISION OF WATER RESOURCES OF THE DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES CONCERNING WATER QUANTITY SUBJECT TO THE ROLLING APPROVAL ON FILE IN THIS OFFICE.

DIVISION OF WATER RESOURCES

9/11/2015

COMMUNITY SERVICES CERTIFICATE:

THE TENTATIVE MAP FOR TM11-001 MONTE VISTA WAS APPROVED BY THE WASHOE COUNTY PLANNING COMMISSION ON THE 6TH DAY OF SEPTEMBER, 2011.

THIS FINAL MAP. THE OFFICIAL PLAT OF MONTE MSTA AT THE ESTATES AT MOUNT ROSE, MEETS ALL APPLICABLE STATUTES, ORDHANCES AND COOR PROMISONS. IN SUBSTANTIAL CONTROL MET AND MET THE TENTATIVE MAP AND ITS CONDITIONS, MICH ARE INCORPORATED HEREIN BY THIS REFERENCE, AND THOSE CONDITIONS HAVE BEEN SATISFIED FOR RECORDATION OF THIS MAP, RECEPT THAT THE "OPERATIONAL CONDITIONS" CONTAINED IN THE RECORDED ACTION ORDER SHALL REMAIN IN FULL FORCE AND EFFECT IN PERPETUITY.

IF ALL LOTS ON THIS MAP ARE REVERTED TO ACREAGE AND A NEW SUBDIVISION APPROVAL IS OBTAINED AT A FUTURE DATE, THE PROVISIONS OF THIS APPROVAL SHALL BE NULL AND VOID, UPON APPROVAL BY WASHOE COUNTY OF THOSE ACTIONS.

THE IS THE ONLY FINAL MAP FOR THI LOOI AND MUS BE APPROVED AND ACCEPTED FOR RECORDATION BY THE PLANNING AND DEVELORMENT DIRECTION ON OR BEFORE THE EXPRATION DATE, THE 6TH DAY OF SEPTEMBER, 2015, OR AN EXTENSION OF TIME FOR THE TENTATIVE MAP MUST BE APPROVED BY THE WASHOE COUNTY PLANNING COMMISSION ON OR BEFORE SAID DATE.

THIS FINAL MAP IS APPROVED AND ACCEPTED FOR RECORDATION THIS DAY OF 20. BY THE WASHOE COUNTY PLANNING AND DEVALOPMENT DIRECTOR. THE OFFER OF DEDICATION FOR STREETS, AVENUES, DRIVES, COURTS, OPEN SPACE, HIGHWAYS, SEWER FACILITIES IS REJECTED AT THIS TIME, BUT MILL REMAIN OPEN IN ACCORDANCE WITH ARS CHAPTER 278.

DATE

BILL WHITNEY COMMUNITY DEVELOPMENT DIRECTOR

SURVEYOR'S CERTIFICATE:

I, DANIEL A. BIGRIGG, A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF NEVADA, CERTIFY THAT:

- THIS PLAT REPRESENTS THE RESULTS OF A SURVEY CONDUCTED UNDER MY DIRECT SUPERVISION AT THE INSTANCE OF MT ROSE ESTATES, LP, A CALIFORNIA LIMITED PARTNERSHIP.
- 3. THIS PLAT COMPLIES WITH THE APPLICABLE STATE STATUTES AND ANY LOCAL ORDINANCES IN EFFECT ON THE DATE THAT THE GOVERNING BODY GAVE ITS FINAL APPROVAL.
- 4. THE MONUMENTS DEPICTED ON THE PLAT WILL BE OF THE CHARACTER SHOWN AND OCCUPY THE POSITIONS MINICATED BY AND AN AMPROPRIATE FRANKAICAL GUARANTEE WILL BE POSITED WITH THE GOVERNING BODY BEFORE RECORDATION TO ENSURE THE INSTALLATION OF THE MONUMENTS.



DANIEL A. BIGRIGG, P.L.S.

NEVADA CERTIFICATE NO. 19710	61-1-3	
TILE NO TILED FOR RECORD AT THE REQUEST F	OFFICIAL PLAT OF MONTE VISTA AT THE ESTATES AT MOUNT R A COMMON INTEREST COMMUNITY A DIVISION OF PAREL 3-1-A PER DOCUMENT NO. 4144 SITUATE WITHIN A PORTION OF THE NORTH 1/2 OF SE TOWNSHIP 16 NORTH, RANGE 19 EAST, M.D.M. WASHOE COUNTY	694 AND CTION 35, EVADA
COUNTY RECORDER BY: DEPUTY	JOS NO. JOS	. 1558.00 SHEET

MICHAEL E. GUMP, P.L.S. 13927 WASHOF COUNTY SURVEYOR

