DEXTER S. WILSON, P.E. ANDREW M. OVEN, P.E. STEPHEN M. NIELSEN, P.E. NATALIE J. FRASCHETTI, P.E.

**MEMORANDUM** 

820-008

TO:

File

FROM:

Stephen M. Nielsen, Dexter Wilson Engineering, Inc.

DATE:

March 25, 2015

SUBJECT:

Salt Creek Interceptor Analysis

#### **Background**

The Otay Ranch Sewer Master Plan identified the Salt Creek Interceptor as the vehicle to provide sewer service to the portions of the Otay Ranch located in the County of San Diego regardless of jurisdiction. The Salt Creek Interceptor was constructed in sections with the majority of the pipeline completed approximately eight years ago. The interceptor was constructed to provide sewer conveyance from the south and east portions of the City of Chula Vista as well as other surrounding areas. The interceptor starts as a 15-inch line in Hunte Parkway within the Rolling Hills Ranch project. From there, the interceptor increases in size as it heads south along Salt Creek. The interceptor then turns westerly and follows the Otay River to a point of connection with the City of San Diego Metro Sewer System. The interceptor is 42-inches in diameter where it connects to the Metro System.

Sizing studies for the Salt Creek Interceptor include the Salt Creek Basin Gravity Sewer Analysis (Wilson Engineering, November 1994) and the Salt Creek Gravity Sewer

Interceptor Final Flow Analysis Report (Dudek and Associates, January 2001). These studies projected future flows from the land use planning data for the southern and eastern Otay Ranch areas and included flows from 5,322 units within Villages 13, 14 and 15 and Planning Areas 16 and 19 in the County of San Diego. The Dudek and Associates study included recommendations for upsizing the downstream reaches of the Salt Creek Interceptor in anticipation of potential future land use changes within the study area that would allow for additional development densities while still accommodating flows from Villages 13 and 14 and Planning Areas 16 and 19 in the County. The design and construction of the Salt Creek Interceptor incorporated the recommended upsizing from the Dudek and Associates study. The design and construction of the Salt Creek Interceptor has been funded through a fee program since 1994 (Ordinance No. 2617) that assumed the units within Otay Ranch Villages 13, 14 and 15 and Planning Areas 16 and 19 would be served by this line.

The most recent evaluation of the Salt Creek Interceptor was prepared as part of the 2014 City of Chula Vista Wastewater Collection System Master Plan (IEC, May 2014). This study included an updated hydraulic model of the system and incorporated revised wastewater generation factors and assumptions for infiltration and inflow into the system. However, in the 2014 Master Plan the City of Chula Vista removed the Otay Ranch Villages 13 and 14 and Planning Areas 16 and 19 County of San Diego properties from the Salt Creek Interceptor flow projections.

#### **Purpose**

The owners of Villages 13 and 14 and Planning Areas 16 and 19 in the County objected to the City's elimination of these properties from the 2014 Master Plan. In light of their objections, the purpose of this analysis is to include Otay Ranch County of San Diego development flows in the Salt Creek Interceptor hydraulic model to evaluate the potential impact on the system. More specifically, sewer flows from the proposed Otay Ranch Resort (Village 13) and the Proctor Valley Project (Village 14 and Planning Areas 16 and 19) were added back into the flow analysis as they had always been included previously.

## Planning Criteria and Projected Development

Planning criteria for this analysis is based on City of Chula Vista Wastewater generation criteria and hydraulic modeling assumptions from the 2014 Master Plan. The Chula Vista sewer duty factors are summarized in Attachment 1 to this memorandum. These factors were applied to existing and proposed development within the basin.

Although the Resort and Proctor Valley Projects are proposed to be developed in the County of San Diego, sewer flows from these properties were estimated using City of Chula Vista criteria as requested in previous comments by Chula Vista staff. A summary of land uses and projected flows from these properties are also provided as part of Attachment 1 to this memorandum.

### **Hydraulic Modeling**

To evaluate the Salt Creek Interceptor, we obtained the hydraulic modeling data from the City of Chula Vista's consultant, Infrastructure Engineering Corporation. The model provided was that used for the 2014 Master Plan and included some subsequent changes from previous hydraulic modeling efforts. The hydraulic model utilizes infoSWMM Software to simulate system operating conditions under various flow scenarios. Included in the assumptions is an allowance for infiltration and inflow that is equivalent to 45% of average dry weather flow.

The hydraulic model was analyzed by Atkins in consultation with Dexter Wilson Engineering. The results of the analysis are provided as Attachment 2 to this memorandum and a brief summary is provided below.

Scenario T1 - No County Flows. Under this scenario, the system was evaluated under year 2050 peak wet weather flow conditions with no flows from the Otay Ranch County of San Diego properties. The results of the analysis indicate that the maximum depth-to-diameter (d/D) ratio in the Salt Creek Interceptor during these conditions is 0.685 in a section of 24-inch pipe. This d/D ratio is acceptable under the recommendations of the City

of Chula Vista 2014 Master Plan, which recommends that sewers greater than 12-inch in diameter should not be replaced unless the d/D ratio exceed 0.85.

Scenario T2 – County Flows Added. This scenario is the same as Scenario T1 but includes the additional flows from the Resort and Proctor Valley Projects in the County. The analysis still evaluates year 2050 peak wet weather flows. The results of this analysis show an increased depth of flow in the interceptor as expected, but the conclusions are virtually the same as the T1 Scenario – i.e. the additional flows from the Resort and Proctor Valley Projects result in a d/D ratio that is acceptable under the recommendations of the City of Chula Vista 2014 Master Plan (a maximum d/D ratio of 0.846 in an existing section of 24-inch pipe, which is less than .85).

The T2 Scenario does identify two stretches of pipe where a few segments of pipe could theoretically exceed a d/D ratio of 0.75. Hydraulic profiles for these two pipe sections are provided as part of Attachment 2. While this d/D ratio is acceptable, the 2014 Master Plan does require that if, in the future, actual flow monitoring indicates that the d/D ratio exceeds 0.75, then a design should be prepared for a section of sewer replacement; however, replacement would only be required if flows exceeded 0.85.

### **Conclusions**

- (1) The City of Chula Vista 2014 Master Plan recommends that sewers greater than 12-inch in diameter should not be replaced unless the d/D ratio exceed 0.85. In applying this criteria, there are no sections of the Salt Creek Interceptor that will require replacement under year 2050 peak wet weather flow conditions even with flows from the Resort and Proctor Valley Projects in the County.
- (2) It is appropriate to service the Resort and Proctor Valley Projects in the County through the Salt Creek Interceptor given that (1) no sections of the Salt Creek Interceptor will require replacement per Conclusion #1 above; (2) the original Otay Ranch Master Sewer Master Plan contemplated servicing Villages 13 and 14 and Planning Areas 16 and 19 through the Salt Creek Interceptor; and (3) the fee funding program for the Salt Creek Interceptor has always assumed that the facility would service Villages 13 and 14 and Planning Areas 16 and 19.

(3) The City does require the design to be prepared for a section of sewer replacement when actual field flow monitoring indicates that the d/D exceed 0.75. Based on the theoretical assumptions in this analysis, there are two pipe sections that could potentially reach this threshold.

SMN:pjs

# ATTACHMENT 1 SEWER FLOW CRITERIA AND SUMMARY OF COUNTY FLOWS

**City of Chula Vista Sewer Duty Factors** 

LU Desingation	Duty Factor (gpd/EDU or gpd/ac)
Single Family	230
Multi-Family	182
Commercial	1,401
Industrial	712
Government/Office/Public Institution	1,313
Elementary School	1,181
Junior/Middle/High School	1,080
Olympic Training Center	582
Open Space Recreation	410

Village 13 Sewer Loading

Neighborhood	Land Use Designation	Quantity	ADWF
Meighborhood	Land Ose Designation	(units or ac)	(gpd)
R-1	Single Family	796	183,080
R-2	Single Family	211	48,530
R-3	Single Family	401	92,230
R-4	Single Family	263	60,490
R-5	Single Family	210	48,300
Mixed Use	Single Family	57	13,110
Mixed Use	Commercial	1.5	2,102
P-1	Open Space Recreation	2.9	0
P-2	Open Space Recreation	1.7	0
P-3	Open Space Recreation	2.3	0
P-4	Open Space Recreation	2.2	0
P-5	Open Space Recreation	10.3	4,223
P-6	Open Space Recreation	2.4	0
P-7	Open Space Recreation	2.9	0
P-8	Open Space Recreation	1.3	0
P-9	Open Space Recreation	2.6	0
S-1	Elementary School	10	11,810
PS	Government/Office/Public Institution	2.1	2,757
Resort Units	Multi-Family	200	36,400
Resort Commercial	Commercial	1.5	2,102
		Total (gpd)	505,133
		Total (gpm)	351

Residential Demand	gpd	482,140
Residential Demand	gpm	335
Non-Residential Demand	gpd	22,993
Non-Residential Demand	gpm	16

Junction ID

9123

**Village 14 Sewer Loading** 

Naighborhood	Land Use Designation	Quantity	ADWF
Neighborhood	Land Use Designation	(units or ac)	(gpd)
1	Single Family	162	37,260
2	Single Family	136	31,280
3 - Mixed Use MF	Multi-Family	49	8,918
3.1 - Mixed Use Com	Commercial	0.3	482
4	Multi-Family	65	11,830
5 - Courtyard	Single Family	191	43,930
6	Single Family	109	25,070
7	Single Family	220	50,600
8	Single Family	204	46,920
9	Single Family	156	35,880
10	Single Family	69	15,870
11	Single Family	134	30,820
12	Single Family	63	14,490
Fire Station	Government/Office/Public Institution	2.0	2,626
Elem School	Elementary School	8.0	9,448
Community Facilities	Government/Office/Public Institution	5.6	7,353
Town Center Park	Open Space Recreation	4.4	1,796
Finger Park	Open Space Recreation	3.1	1,271
South Village Park	Open Space Recreation	2.2	902
Linear Park	Open Space Recreation	1.5	615
		Total (gpd)	377,361
		Total (gpm)	262

Residential Demand	gpd	352,868
Residential Demand	gpm	245
Non-Residential Demand	gpd	24,493
Non-Residential Demand	gpm	17

Junction ID

13117

# ATTACHMENT 2 HYDRAULIC MODELING OUTPUT

T-1. 2050 PWWF Model Result with Existing Pipeline Conditions

ALC: SALE	Existing	CIP														,																					
Hydraulic	- I yai aaii c	Capactiy Remaining (%)	69.5%	46.5%	49.5%	46.1%	47.8%	47.4%	49.4%	48.7%	45.1%	36.7%	38.6%	52.8%	58.9%	61.4%	50.7%	38.9%	40.9%	54.2%	60.5%	55.2%	57.1%	60.4%	21.6%	81.1%	50.0%	34.5%	33.8%	34.1%	39.9%	40.6%	51.4%	60.6%	53.9%	63.6%	63.3%
		PWWF d/D	0.259	0.455	0.429	0.458	0.444	0.447	0.430	0.436	0.467	0.538	0.522	0.401	0.349	0.328	0.419	0.519	0.502	0.389	0.336	0.381	0.365	0.337	0.666	0.161	0.425	0.557	0.563	0.560	0.511	0.505	0.413	0.335	0.392	0.309	0.312
No. of Control of Control		PWWF (gpm)	565	612	4,733	5,876	5,872	5,867	5,830	5,766	5,742	5,736	5,731	7,142	7,105	7,095	7,088	7,081	7,074	7,069	6,610	6,604	6,599	4,744	4,736	4,732	2,398	8,292	8,271	8,263	8,254	8,244	8,229	7,249	7,238	7,229	7,209
		PDWF (gpm)	309	347	3,527	4,572	4,572	4,572	4,540	4,483	4,466	4,467	4,468	5,722	5,693	5,693	5,694	5,695	5,697	5,699	5,244	5,244	5,245	3,525	3,526	3,527	1,514	6,711	6,707	6,701	6,702	6,702	6,695	5,730	5,730	5,731	5,720
12 1 10		ADWF (gpm)	225	252	2,566	3,335	3,335	3,335	3,310	3,269	3,255	3,255	3,255	4,190	4,167	4,167	4,167	4,167	4,167	4,167	3,832	3,832	3,832	2,566	2,566	2,566	1,102	4,924	4,920	4,915	4,915	4,915	4,910	4,198	4,198	4,198	4,190
		Pipe Material	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC
		Basin	Salt Creek		Salt Creek	Main Street	Salt Creek	Salt Creek	Salt Creek	Salt Creek																											
		Slope (%)	4.20	0.20	11.00	0.20	0.20	0.20	0:30	1.10	0:30	0:30	0:30	0.20	09:0	1.40	0.20	0.20	0.20	2.10	09.0	09.0	09:0	5.40	0.10	45.00	1.20	0.10	0.10	0.10	0.20	0.10	1.10	0:30	0:30	06.0	0.50
		Length (ft.)	197.8	41.9	36.3	304.2	353.8	353.8	510.2	598.6	599.5	522.8	0.009	502.9	599.7	0.009	5.665	600.1	475.0	304.7	439.8	394.1	598.4	83.8	299.3	13.0	177.5	594.3	136.0	598.8	599.4	521.8	449.6	682.8	599.8	9.665	437.8
Section of S	THE WHAT	Existing Diameter (in)	15	15	30	36	36	36	98	30	30	30	30	42	42	36	36	36	36	36	36	36	36	30	30	30	20	42	42	42	42	42	42	42	42	42	42
The State of the S	No. of the last	То МН	13134	13385	14008	13949	13950	13951	13952	13953	13954	13955	13956	13934	13935	13936	13937	13938	13939	13940	13941	13942	13943	13965	13967	14016	14002	13916	13987	13918	13919	13920	13921	14004	13923	13924	13925
		From MH	13347	13138	14016	13950	13951	13952	13953	13954	13955	13956	13957	13935	13936	13937	13938	13939	13940	13941	13942	13943	13944	14007	14008	14009	14010	13917	13918	13919	13920	13921	13922	13923	13924	13925	13926
3000		Ω	12869	12870	13756	13759	13760	13761	13762	13763	13764	13765	13766	13767	13768	13769	13770	13771	13772	13773	13774	13775	13776	13777	13778	13779	13780	13784	13785	13786	13787	13788	13789	13790	13791	13792	13793

T-1. 2050 PWWF Model Result with Existing Pipeline Conditions

	Existing CIP Planned																																			
Hydraulic		55.4%	52.5%	53.2%	54.0%	49.6%	52.1%	57.5%	47.4%	47.2%	51.8%	50.4%	66.4%	55.8%	54.8%	52.6%	26.9%	26.9%	26.9%	57.3%	20.7%	41.3%	54.0%	%2.09	28.8%	59.5%	55.2%	49.1%	34.4%	48.7%	45.3%	42.5%	43.5%	53.9%	63.9%	29.5%
	PWWF d/D	0.379	0.404	0.398	0.391	0.428	0.407	0.361	0.447	0.449	0.410	0.422	0.286	0.376	0.384	0.403	0.366	0.366	0.366	0.363	0.419	0.499	0.391	0.334	0.350	0.344	0.381	0.433	0.558	0.436	0.465	0.489	0.480	0.392	0.307	0.347
	PWWF (gpm)	7,202	7,194	7,189	7,182	7,175	7,168	2,757	1,273	1,260	1,116	1,114	1,096	1,096	7,156	7,151	6,591	6,584	6,576	6,569	5,884	4,864	4,857	4,853	4,847	4,841	4,840	4,838	8,278	2,754	2,658	2,658	2,654	2,654	2,650	2,645
	PDWF (gpm)	5,720	5,721	5,721	5,721	5,721	5,721	1,713	715	711	651	651	646	646	5,721	5,722	5,246	5,246	5,248	5,249	4,571	3,608	3,608	3,608	3,609	3,609	3,609	3,609	6,707	1,713	1,639	1,639	1,639	1,639	1,639	1,639
0	ADWF (gpm)	4,190	4,190	4,190	4,190	4,190	4,190	1,247	520	517	474	474	469	469	4,190	4,190	3,832	3,832	3,832	3,832	3,335	2,629	2,629	2,629	2,629	2,629	2,629	2,629	4,920	1,247	1,193	1,193	1,193	1,193	1,193	1,193
	Pipe Material	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC
	Basin	Salt Creek	Salt Creek	Salt Creek			Salt Creek	Main Street	Salt Creek																											
	Slope (%)	0.20	0.20	0.20	0.20	0.20	0.20	1.00	0.50	0.40	0.40	0.40	1.80	0.40	0:30	0.20	09'0	09:0	09.0	09:0	0.20	0:30	1.60	1.10	1.10	1.20	08.0	0.40	0.10	0:30	0:30	0:30	0.50	1.70	1.60	06:0
	Length (ft.)	498.3	310.3	438.7	430.4	447.1	320.4	254.0	283.8	235.6	336.6	404.7	56.9	481.8	298.9	596.5	598.4	0.009	593.7	483.4	597.3	0.009	317.3	568.0	569.7	82.9	179.7	525.1	455.9	9.995	24.6	409.1	17.0	506.1	515.0	515.0
	Existing Diameter (in)	42	42	42	42	42	42	24	18	18	18	18	18	18	42	42	36	36	36	36	36	30	30	30	30	30	30	30	42	24	24	24	24	24	24	24
	To MH	13926	13927	13928	13929	13930	13931	9124	14033	14034	14038	14166	13849	13850	14006	13933	13944	13945	13946	13947	13948	13957	13958	13959	13960	13961	13962	13963	13917	13988	13989	13990	13991	13992	13993	13994
	From MH	13927	13928	13929	13930	13931	13932	13988	14034	14035	14166	14039	13850	9123	13933	13934	13945	13946	13947	13948	13949	13958	13959	13960	13961	13962	13963	13964	13987	13989	13990	13991	13992	13993	13994	13995
	٥	13794	13795	13796	13797	13798	13799	13800	13801	13803	13804	13805	13806	13808	13811	13812	13813	13814	13815	13816	13817	13818	13819	13820	13821	13822	13823	13824	13825	13826	13827	13828	13829	13830	13831	13832

T-1. 2050 PWWF Model Result with Existing Pipeline Conditions

	Existing	Planned																																			
Hydraulic	Capactiy	Remaining (%)	58.5%	63.5%	60.2%	50.1%	20.8%	51.5%	53.1%	45.3%	37.4%	24.1%	%6'.29	53.9%	55.1%	71.0%	52.9%	83.7%	79.9%	76.9%	76.9%	62.6%	58.8%	67.1%	66.2%	68.7%	45.4%	40.9%	26.0%	68.4%	28.9%	61.2%	89.5%	34.1%	34.2%	32.6%	32.2%
	PWWF	Q/p	0.353	0.310	0.338	0.424	0.418	0.412	0.399	0.465	0.532	0.645	0.273	0.392	0.382	0.203	0.330	0.114	0.141	0.162	0.162	0.318	0.350	0.280	0.287	0.266	0.464	0.502	0.374	0.269	0.349	0.330	0.336	0.560	0.559	0.573	0.576
	PWWF	(mdg)	2,640	2,635	2,631	2,411	2,415	2,406	2,401	4,747	4,743	4,740	7,580	7,163	7,158	107	109	48	51	98	87	811	814	817	823	825	1,328	1,330	1,334	1,347	1,349	1,351	1,351	8,302	8,311	8,351	8,350
	, , , , , , , , ,	PUWF (gpm)	1,639	1,639	1,639	1,514	1,514	1,514	1,514	3,525	3,525	3,526	6,055	5,721	5,721	167	29	67	47	48	59	59	492	492	492	496	496	741	742	743	748	748	748	748	6,711	6,710	6,714
	ADWF	(mdB)	1,193	1,193	1,193	1,102	1,102	1,102	1,102	2,566	2,566	2,566	4,436	4,190	4,190	49	49	34	36	42	43	358	358	358	360	360	540	540	540	545	545	545	545	4,924	4,924	4,928	4,928
	Pipe	Material	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC										
		Basın	Salt Creek	Main Street	Salt Creek		Main Street	Main Street	Main Street	Main Street																											
	<u> </u>	Slope (%)	1.30	1.90	06.0	06.0	1.60	2.00	1.10	0.40	0.10	0.10	1.20	0:30	0:30	3.10	08.0	3.00	3.80	2.10	3.00	2.10	1.10	1.00	1.00	1.00	0.40	0.40	0.40	8.00	1.60	1.20	2.60	0.10	0.10	0.10	0.10
	Length	(f.)	515.0	515.0	477.2	569.1	599.4	630.7	351.3	263.4	305.8	411.6	353.5	302.4	123.1	336.7	406.8	313.1	392.6	362.8	375.7	209.4	234.4	399.0	298.1	295.6	316.2	566.9	381.8	188.6	291.4	274.4	31.4	600.0	0.009	73.2	265.4
	Existing	Diameter (in)	24	24	24	20	20	20	20	30	30	30	42	42	42	10	10	10	10	10	10	15	15	18	18	18	18	18	18	18	18	18	18	42	42	42	42
THE STATE OF THE PARTY OF THE P		To MH	13995	13996	13997	14000	13998	13999	14001	13964	14007	13966	13922	13932	14005	13115	13117	13160	13161	13162	13114	9105	13142	13143	13144	13878	14032	14031	14030	14029	14028	14027	13902	14228	14220	13914	13915
		From MH	13996	13997	13998	13999	14000	14001	14002	13965	13966	13967	14004	14005	14006	13114	13115	13159	13160	13161	13162	13140	13141	13142	13143	13144	14033	14032	14031	14030	14029	14028	14027	13916	14228	13915	14224
		٥	13833	13834	13835	13836	13837	13838	13839	13842	13843	13844	13845	13846	13847	15319	15320	15366	15367	15369	15370	15420	15421	15422	15423	15424	15859	15860	15861	15862	15863	15864	15866	15897	15898	15899	15900

T-1. 2050 PWWF Model Result with Existing Pipeline Conditions

	Existing	CIP																																			
Hydraulic	Capactiv	Remaining (%)	32.0%	33.3%	33.5%	33.9%	32.5%	34.5%	33.8%	32.7%	32.2%	32.7%	32.2%	42.1%	40.1%	58.2%	50.4%	46.1%	36.4%	35.5%	39.9%	36.8%	31.8%	47.3%	85.09	26.7%	26.6%	26.9%	37.3%	36.9%	49.4%	48.6%	34.7%	33.2%	65.2%	65.3%	
200 700 11 10	PWWF	Q/p	0.578	0.567	0.565	0.562	0.574	0.557	0.563	0.572	0.576	0.572	0.576	0.492	0.509	0.355	0.422	0.458	0.541	0.548	0.511	0.537	0.580	0.448	0.336	0.368	0.369	0.366	0.533	0.536	0.430	0.437	0.555	0.568	0.296	0.295	
	PWWF	(mdg)	8,345	8,372	8,354	8,363	8,339	8,320	8,330	8,722	8,397	8,378	8,390	12,865	12,863	12,870	12,865	12,830	12,863	12,855	12,849	12,846	12,844	12,844	12,839	12,834	12,832	12,831	12,829	12,852	12,829	8,742	8,735	8,731	808	810	
0		PDWF (gpm)	6,714	6,715	6,713	6,714	6,714	6,709	6,710	6,710	6,950	6,726	6,715	6,721	10,043	10,042	10,044	10,043	10,040	10,042	10,042	10,046	10,063	10,066	10,112	10,192	10,277	10,480	10,205	10,055	10,041	10,040	6,950	6,950	6,950	492	
	ADWF	(mdg)	4,928	4,928	4,928	4,928	4,924	4,924	4,924	5,119	4,938	4,930	4,935	7,403	7,402	7,404	7,403	7,400	7,402	7,402	7,401	7,401	7,401	7,401	7,400	7,400	7,400	7,400	7,400	7,401	7,400	5,119	5,119	5,119	358	358	
100 September 1	Pine	Material	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC									
The state of the s		Basin	Main Street			Main Street	Salt Creek	Salt Creek																													
		Slope (%)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.40	0.50	1.10	1.40	0.40	0.20	0:30	0.40	0.20	0.70	1.60	1.40	1.30	1.20	1.40	0.70	0.30	1.50	0.10	0.10	0.10	2.10	2.30	
Mar 11 10 10 10 10 10 10 10 10 10 10 10 10	length	(ft.)	73.2	0.009	199.4	600.0	0.009	600.0	598.1	955.5	146.8	268.5	331.5	78.0	26.3	204.4	22.6	46.7	400.3	133.4	177.3	129.1	18.1	298.6	298.6	83.8	90.8	63.8	19.2	176.3	268.5	400.0	289.7	567.9	276.7	398.1	
	Fxisting	Diameter (in)	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	15	15	
		To MH	14224	14227	14225	14226	14223	14221	14222	14235	14211	14213	14212	14071	14215	14214	14070	14114	14216	14218	14232	14099	14219	14103	14229	14230	14231	14113	14217	14097	14115	14116	14233	14234	13139	13140	
		From MH	14223	14226	13914	14225	14222	14220	14221	14211	14212	14227	14213	14215	14216	14070	14071	14217	14218	14097	14099	14219	14103	14229	14230	14231	14113	14114	14115	14232	14116	14233	14234	14235	13385	13139	
		Q	15901	15902	15903	15904	15905	15906	15907	15908	15909	15910	15912	15913	15914	15915	15916	15917	15918	15919	15920	15921	15922	15923	15924	15925	15926	15927	15928	15929	15930	15931	15932	15933	16314	16315	

T-1. 2050 PWWF Model Result with Existing Pipeline Conditions

From Mail 1313         To Mail Diameter (III) (II.) Sippe (M) Sibne (M) Si							The second second					Undersilia	
To MMI         Diametrin (In)         (IL)         Slope (8)         Basin (Barn)         Marinal (Barn)         POWF (Barn)         C 252         347         609         0.276         67.9%         198           13336         15         381.1         1.20         Salt Creek         PVC         225         347         609         0.274         67.9%           13336         15         381.1         1.20         Salt Creek         PVC         225         347         609         0.274         67.9%           13333         15         381.1         1.20         Salt Creek         PVC         225         347         609         0.274         67.8%           13334         15         108.0         Salt Creek         PVC         174         239         449         0.128         7.26%           13132         15         108.0         Salt Creek         PVC         171         239         449         0.129         6.18%           1312.0         15         381 Creek         PVC         171         239         449         0.279         6.18%           1312.0         15         381 Creek         PVC         171         239         449         0.28 <t< th=""><th>316</th><th></th><th>Fxisting</th><th>Length</th><th></th><th></th><th>Pipe</th><th>ADWF</th><th>100</th><th>PWWF</th><th>PWWF</th><th>Capactiv</th><th>Existing</th></t<>	316		Fxisting	Length			Pipe	ADWF	100	PWWF	PWWF	Capactiv	Existing
13137         15         400.5         2.20         SaltCreek         PVC         235         347         669         0.274         67.88           1313.6         15         381.1         1.20         SaltCreek         PVC         235         347         569         0.274         67.88           1313.4         15         381.1         1.20         SaltCreek         PVC         225         399         567         0.273         67.88           1313.1         15         108.0         SaltCreek         PVC         225         399         451         0.108         7.66           1313.1         15         108.0         SaltCreek         PVC         174         239         449         0.29         6.68           1312.2         15         395.4         0.70         SaltCreek         PVC         171         239         449         0.29         6.29%           1312.2         15         395.4         0.70         SaltCreek         PVC         171         239         432         0.03         6.29%           1312.2         15         392.8         6.00         SaltCreek         PVC         171         239         439         0.30	I	To MH	Diameter (in)	(ft.)	Slope (%)	Basin	Material	(mdg)	PDWF (gpm)	(mdg)	Q/p	Remaining (%)	CIP
13136         135         381.1         1.20         Salt Creek         PVC         225         347         569         0.224         67.8%           13136         15         4105         0.304         Salt Creek         PVC         225         309         526         0.233         15.8%           13347         15         4108.0         2.00         Salt Creek         PVC         124         276         451         0.138         76.8%           13131         15         107.3         14.30         Salt Creek         PVC         174         239         443         0.233         76.8%           1312         15         395.4         0.70         Salt Creek         PVC         171         239         443         0.239         65.8%           1312         15         395.4         0.70         Salt Creek         PVC         171         239         439         0.209         65.8%           1312         15         335.6         0.60         Salt Creek         PVC         171         239         439         0.239         6.8%           15056         10         281         0.60         Salt Creek         PVC         171         235		13137	15	400.5	2.20	Salt Creek	PVC	252	347	609	0.276	67.5%	
13135         15         410.5         0.90         Salt Creek         PVC         215         30.9         567         0.331         64.6%           13331         15         410.5         2.00         Salt Creek         PVC         204         576         0.233         7.25%           13130         15         107.3         14.30         Salt Creek         PVC         174         239         451         0.188         7.6%           13130         15         394.5         5.40         Salt Creek         PVC         174         239         449         0.253         70.5%           13120         15         392.8         0.60         Salt Creek         PVC         171         239         439         0.307         65.3%           13120         15         392.8         0.60         Salt Creek         PVC         171         235         436         0.60         6.10         0.00         6.10         0.00         6.10         0.00         6.10         0.00         6.10         0.00         6.10         0.00         6.10         0.00         6.10         0.00         6.10         0.00         6.10         0.00         6.10         0.00         6.10		13136	15	381.1	1.20	Salt Creek	PVC	225	347	269	0.274	%8'.29	
13347         15         108.0         Salt Creek         PVC         201         309         52.6         0.233         7.5%           1313.1         15         108.0         Salt Creek         PVC         174         276         451         0.162         80.5%           1313.0         15         304.5         5.40         Salt Creek         PVC         174         239         449         0.733         70.2%           1312.2         15         335.4         0.70         Salt Creek         PVC         171         239         449         0.733         70.2%           1312.0         15         332.8         0.60         Salt Creek         PVC         171         239         439         0.50         65.9%           1312.0         15         332.8         0.60         Salt Creek         PVC         171         235         432         0.297         65.9%           15056         10         Salt Creek         PVC         171         235         434         0.299         65.9%           15056         10         Salt Creek         PVC         171         235         434         0.299         65.9%           15056         12	_	13135	15	410.5	06'0	Salt Creek	PVC	225	309	267	0.301	64.6%	
13131         15         107.3         14.30         Salt Creek         PVC         174         239         451         0.198         76%           13132         15         304.5         5.40         Salt Creek         PVC         174         239         449         0.053         70.2%           1312.2         15         394.5         0.70         Salt Creek         PVC         171         239         449         0.053         70.2%           1312.2         15         395.8         0.60         Salt Creek         PVC         171         235         449         0.290         68.9%           1312.0         15         392.8         0.60         Salt Creek         PVC         171         235         443         0.290         68.9%           15056         10         288.3         1.00         Salt Creek         PVC         171         235         443         0.290         68.8%           15056         10         288.1         1.00         Salt Creek         PVC         277         334         43.2         0.290         68.8%           15056         12         1.00         Salt Creek         PVC         277         334         43.2		13347	15	108.0	2.00	Salt Creek	PVC	201	309	526	0.233	72.6%	
13130         15         304.5         5.40         Salt Creek         PVC         174         239         451         0.162         809%           1313.2         15         395.4         0.70         Salt Creek         PVC         174         239         449         0.0207         65.0%           1312.2         15         395.4         0.00         Salt Creek         PVC         171         239         439         0.0207         65.0%           1312.2         15         392.8         0.00         Salt Creek         PVC         171         235         432         0.290         65.0%           1311.8         15         400         Salt Creek         PVC         171         235         444         0.299         65.0%           15058         10         Salt Creek         PVC         171         235         444         0.029         65.0%           15069         10         Salt Creek         PVC         277         394         381         0.029         68.0%           15069         12         381         0.0         Salt Creek         PVC         277         334         0.203         6.06%         1.00         8.0         6.06%	6	13131	15	107.3	14.30	Salt Creek	PVC	174	276	451	0.198	76.7%	
131123         15         395.4         0.70         Salt Creek         PVC         174         239         449         0.053         70.2%           131320         15         33.56         0.60         Salt Creek         PVC         171         235         436         0.297         65.9%           13120         15         33.36         0.60         Salt Creek         PVC         171         235         436         0.297         65.9%           13118         15         107.6         0.70         Salt Creek         PVC         171         235         436         0.297         65.9%           13119         15         402.1         0.60         Salt Creek         PVC         171         235         436         0.297         65.9%           15056         10         Salt Creek         PVC         171         235         436         0.299         65.8%           15056         12         381         181 Creek         PVC         171         235         61.8%         171         1721         0.699         8.7%           15069         12         381 Creek         PVC         175         312         1.1%         1.11         1.11	m	13130	15	304.5	5.40	Salt Creek	PVC	174	239	451	0.162	80.9%	
13122         15         33.5         0.60         SaltCreek         PVC         171         235         439         0.307         63.3%           13120         15         392.8         0.60         SaltCreek         PVC         171         235         436         0.297         65.1%           13119         15         1076         0.00         SaltCreek         PVC         171         235         434         0.299         64.8%           15058         10         248.3         1.10         SaltCreek         PVC         171         235         434         0.299         64.8%           15056         10         248.3         1.10         SaltCreek         PVC         277         394         381         0.40%           15069         12         82.0         1.00         SaltCreek         PVC         227         394         1.1%         0.692         1.1%           15069         12         383.8         0.30         SaltCreek         PVC         808         1,171         1,220         0.692         1.1%           15067         12         382.9         1.10         SaltCreek         PVC         808         1,171         1,221	2	13123	15	395.4	0.70	Salt Creek	PVC	174	239	449	0.253	70.2%	
13120         15         392.8         0.60         SaltCreek         PVC         171         235         436         0.297         65.1%           13118         15         107.6         0.70         SaltCreek         PVC         171         235         432         0.299         65.9%           13118         15         407.1         0.06         SaltCreek         PVC         171         235         464         0.299         65.9%           15058         10         248.3         1.10         SaltCreek         PVC         277         336         464         0.209         65.9%           15066         10         248.3         1.00         SaltCreek         PVC         773         364         40.20         13.7%           15067         12         400.5         1.50         SaltCreek         PVC         878         1,17         1,220         0.620         13.7%           15067         12         400.5         1.50         SaltCreek         PVC         878         1,17         1,221         0.620         13.7%           15069         12         26.1         1.30         SaltCreek         PVC         839         1,160         1,271	o.	13122	15	333.6	09:0	Salt Creek	PVC	171	239	439	0.307	63.9%	
13118         15         107.6         O.70         Salt Creek         PVC         171         235         432         0.290         65.9%           13118         15         402.1         0.60         Salt Creek         PVC         171         235         484         0.299         65.9%           15058         10         288.6         1.00         Salt Creek         PVC         227         304         381         0.422         36.4%           15056         10         288.6         1.00         Salt Creek         PVC         227         304         381         0.422         31.4%           15056         12         388.8         0.90         Salt Creek         PVC         808         1,177         1,220         0.639         1.1%           15067         12         383.8         0.90         Salt Creek         PVC         808         1,117         1,220         0.639         1.1%           15067         12         381.0         Salt Creek         PVC         839         1,117         1,267         0.39         47.3%           15068         12         382.0         381         1,00         Salt Creek         PVC         839         1,	6	13120	15	392.8	09:0	Salt Creek	PVC	171	235	436	0.297	65.1%	
13119         15         402.1         0.60         Salt Creek         PVC         171         235         386         0.299         64.8%           15068         10         248.3         1.10         Salt Creek         PVC         227         336         0.420         40.0%           15066         10         288.6         1.00         Salt Creek         PVC         227         336         0.420         35.0%           15069         12         288.6         1.00         Salt Creek         PVC         775         312         1.17         0.632         1.1%           15067         12         38.3         0.90         Salt Creek         PVC         808         1,117         1,221         0.592         1.1%           15067         12         36.0         Salt Creek         PVC         808         1,117         1,221         0.592         1.1%           15067         12         36.0         Salt Creek         PVC         839         1,117         1,221         0.593         1.1%           15063         12         36.0         Salt Creek         PVC         839         1,160         1,272         0.599         1.5%           150	17	13118	15	107.6	0.70	Salt Creek	PVC	171	235	432	0.290	%6:59	
15056         10         Salt Creek         PVC         221         336         366         0.420         40.0%           15066         10         Salt Creek         PVC         227         304         381         0.452         35.4%           15066         10         Salt Creek         PVC         275         310         1.070         0.639         1.1%           15069         12         38.8         0.90         Salt Creek         PVC         808         1,17         1,221         0.692         1.1%           15067         12         38.3         0.90         Salt Creek         PVC         808         1,117         1,221         0.692         1.1%           15067         12         349.3         8.10         Salt Creek         PVC         808         1,117         1,221         0.589         1.1%           15067         12         349.3         8.10         Salt Creek         PVC         839         1,117         1,221         0.589         1.1%           15063         12         340.3         8.11 Creek         PVC         839         1,160         1,272         0.381         1.3%           15064         12         350<	18	13119	15	402.1	09:0	Salt Creek	PVC	171	235	434	0.299	64.8%	
15066         10         Salt Creek         PVC         227         304         381         0.452         35.4%           15066         12         82.0         1.00         Salt Creek         PVC         775         312         1,171         0.639         8.7%           15056         12         88.1         1.00         Salt Creek         PVC         808         1,117         1,221         0.639         1.1%           15067         12         400.5         1.50         Salt Creek         PVC         808         1,117         1,221         0.639         1.1%           15061         12         400.5         1.50         Salt Creek         PVC         808         1,117         1,221         0.639         1.1%           15062         12         349.3         8.10         Salt Creek         PVC         839         1,160         1,271         0.639         1.1%           15063         12         356.9         1.03         Salt Creek         PVC         839         1,160         1,275         0.381         1.3%           15063         12         350.0         5alt Creek         PVC         839         1,160         1,275         0.381	46	15058	10	248.3	1.10	Salt Creek	PVC	221	235	366	0.420	40.0%	YES
15056         12         82.0         1.00         Salt Creek         PVC         775         312         1,171         0.639         8.7%           15059         12         383.8         0.90         Salt Creek         PVC         808         1,170         1,220         0.669         1.1%           15067         12         400.5         1.50         Salt Creek         PVC         808         1,117         1,221         0.569         1.1%           15060         12         261.2         10.10         Salt Creek         PVC         808         1,117         1,267         0.581         1.1%           15061         12         261.2         10.10         Salt Creek         PVC         839         1,117         1,267         0.381         45.6%           15062         12         36.9         1.10         Salt Creek         PVC         839         1,160         1,271         0.567         6.9%           15063         12         36.0         5alt Creek         PVC         839         1,160         1,272         0.381         1.1%           15064         12         35.0         5alt Creek         PVC         839         1,160         1,273	82	15066	10	288.6	1.00	Salt Creek	PVC	227	304	381	0.452	35.4%	YES
15059         12         383.8         0.90         Salt Creek         PVC         808         1,070         1,120         0.692         1.1%           15067         12         400.5         1.50         Salt Creek         PVC         808         1,117         1,221         0.659         18.7%           15060         12         261.2         10.10         Salt Creek         PVC         839         1,117         1,221         0.659         18.7%           15061         12         369.9         1.0         Salt Creek         PVC         839         1,117         1,267         0.381         45.6%           15063         12         350.6         1.30         Salt Creek         PVC         839         1,160         1,272         0.380         45.7%           15064         12         350.6         6.80         Salt Creek         PVC         839         1,160         1,272         0.380         45.7%           15069         12         350.0         6.80         Salt Creek         PVC         839         1,160         1,272         0.380         47.3%           15069         12         356.0         5alt Creek         PVC         839         1,160	99	15056	12	82.0	1.00	Salt Creek	PVC	775	312	1,171	0.639	8.7%	YES
15067         12         400.5         1.50         Salt Creek         PVC         808         1,117         1,221         0.569         18.7%           15060         12         261.2         10.10         Salt Creek         PVC         808         1,117         1,223         0.335         52.1%           15061         12         261.2         10.10         Salt Creek         PVC         839         1,117         1,267         0.381         45.7%           15062         12         350.6         1.30         Salt Creek         PVC         839         1,160         1,271         0.615         12.1%           15063         12         350.6         1.30         Salt Creek         PVC         839         1,160         1,271         0.615         45.7%           15064         12         350.6         6.80         Salt Creek         PVC         839         1,160         1,272         0.38         45.7%           15069         12         350.6         6.80         Salt Creek         PVC         839         1,160         1,272         0.38         45.7%           14012         21         1.20         Salt Creek         PVC         1,102         1,2	99	15059	12	383.8	06:0	Salt Creek	PVC	808	1,070	1,220	0.692	1.1%	YES
15060         12         261.2         10.10         Salt Creek         PVC         808         1,117         1,223         0.335         52.1%           15061         12         349.3         8.10         Salt Creek         PVC         839         1,117         1,267         0.381         45.6%           15062         12         369.9         1.10         Salt Creek         PVC         839         1,160         1,271         0.615         6.9%           15063         12         350.6         6.80         Salt Creek         PVC         839         1,160         1,271         0.615         12.1%           15064         12         350.6         6.80         Salt Creek         PVC         839         1,160         1,275         0.380         45.7%           15069         12         36.0         1.030         Salt Creek         PVC         839         1,160         1,275         0.649         7.3%           14012         21         1.26         3.40         Salt Creek         PVC         1,102         1,514         2,394         0.284         6.6%           14012         21         1.40         7.50         Salt Creek         PVC         1,102	69	15067	12	400.5	1.50	Salt Creek	PVC	808	1,117	1,221	0.569	18.7%	YES
15061         12         349.3         8.10         Salt Creek         PVC         839         1,117         1,267         0.381         45.6%           15062         12         369.9         1.10         Salt Creek         PVC         839         1,160         1,269         0.652         6.9%           15063         12         350.6         1.30         Salt Creek         PVC         839         1,160         1,271         0.615         12.1%           15064         12         350.0         6.80         Salt Creek         PVC         839         1,160         1,272         0.380         45.7%           15069         12         350.0         6.80         Salt Creek         PVC         839         1,160         1,272         0.380         45.7%           15069         12         350.0         6.80         Salt Creek         PVC         1,102         1,273         0.699         7.3%           14012         12         350.0         Salt Creek         PVC         1,102         1,514         2,394         0.529         65.8%           14013         21         40.4         5alt Creek         PVC         1,102         1,514         2,394	29	15060	12	261.2	10.10	Salt Creek	PVC	808	1,117	1,223	0.335	52.1%	YES
15062         12         369.9         1.10         Salt Creek         PVC         839         1,160         1,269         0.652         6.9%           15063         12         350.6         1.30         Salt Creek         PVC         839         1,160         1,271         0.615         12.1%           15064         12         350.6         1.30         Salt Creek         PVC         839         1,160         1,272         0.380         45.7%           15064         12         255.0         10.30         Salt Creek         PVC         839         1,160         1,273         0.369         47.3%           15069         12         336.9         1.10         Salt Creek         PVC         839         1,160         1,273         0.369         7.3%           14012         21         1.25         340         Salt Creek         PVC         1,102         1,574         0.289         0.539	90	15061	12	349.3	8.10	Salt Creek	PVC	839	1,117	1,267	0.381	45.6%	YES
15063         12         350.6         1.30         Salt Creek         PVC         839         1,160         1,271         0.615         12.1%           15063         12         350.0         6.80         Salt Creek         PVC         839         1,160         1,272         0.380         45.7%           15064         12         255.0         10.30         Salt Creek         PVC         839         1,160         1,273         0.369         47.3%           15069         12         336.9         1.10         Salt Creek         PVC         839         1,160         1,275         0.369         47.3%           14012         21         12.6         3.40         Salt Creek         PVC         1,102         1,106         2,394         0.294         65.6%           14013         21         14.4         7.50         Salt Creek         PVC         1,102         1,514         2,394         0.291         65.8%           14014         21         14.0         3.40         Salt Creek         PVC         1,102         1,514         2,394         0.291         65.8%           14010         20         94.7         Salt Creek         PVC         1,102 <td< td=""><td>61</td><td>15062</td><td>12</td><td>369.9</td><td>1.10</td><td>Salt Creek</td><td>PVC</td><td>839</td><td>1,160</td><td>1,269</td><td>0.652</td><td>%6.9</td><td>YES</td></td<>	61	15062	12	369.9	1.10	Salt Creek	PVC	839	1,160	1,269	0.652	%6.9	YES
15064         12         350.0         6.80         Salt Creek         PVC         839         1,160         1,272         0.380         45.7%           15064         12         225.0         10.30         Salt Creek         PVC         839         1,160         1,273         0.369         47.3%           15069         12         225.0         10.30         Salt Creek         PVC         839         1,160         1,273         0.369         47.3%           14012         21         12.6         34.0         Salt Creek         PVC         1,102         1,160         2,394         0.284         66.6%           14012         21         14.4         7.50         Salt Creek         PVC         1,102         1,514         2,394         0.291         65.8%           14013         21         14.4         7.50         Salt Creek         PVC         1,102         1,514         2,394         0.291         65.8%           14014         21         40.4         0.40         Salt Creek         PVC         1,102         1,514         2,394         0.291         60.6%           14010         20         94.7         6.40         Salt Creek         PVC <t< td=""><td>62</td><td>15063</td><td>12</td><td>350.6</td><td>1.30</td><td>Salt Creek</td><td>PVC</td><td>839</td><td>1,160</td><td>1,271</td><td>0.615</td><td>12.1%</td><td>YES</td></t<>	62	15063	12	350.6	1.30	Salt Creek	PVC	839	1,160	1,271	0.615	12.1%	YES
15064         12         225.0         10.30         Salt Creek         PVC         839         1,160         1,275         0.649         7.3%           15069         12         336.9         1.10         Salt Creek         PVC         839         1,160         1,275         0.649         7.3%           14012         21         112.6         3.40         Salt Creek         PVC         1,102         1,160         2,394         0.284         66.6%         7.3%           14013         21         14.4         7.50         Salt Creek         PVC         1,102         1,514         2,394         0.291         65.8%           14012         21         40.4         0.40         Salt Creek         PVC         1,102         1,514         2,395         0.552         35.1%           14012         21         40.4         0.40         Salt Creek         PVC         1,102         1,514         2,395         0.652         35.1%           14010         20         94.7         6.40         Salt Creek         PVC         1,102         1,514         2,395         0.621         60.6%           14069         42         94.7         6.40         Nain Street         <	63	15065	12	350.0	08.9	Salt Creek	PVC	839	1,160	1,272	0.380	45.7%	YES
15069         12         336.9         1.10         Salt Creek         PVC         839         1,160         1,275         0.649         7.3%           14012         21         112.6         3.40         Salt Creek         PVC         1,102         1,160         2,394         0.284         66.6%         7.3%           14013         21         14.4         7.50         Salt Creek         PVC         1,102         1,514         2,394         0.291         66.8%         7.8%           14014         21         156.5         1.70         Salt Creek         PVC         1,102         1,514         2,395         0.552         35.1%         7.8%           14010         20         94.7         6.40         Salt Creek         PVC         1,102         1,514         2,395         0.651         35.8%         7.6.9%           14010         20         94.7         6.40         Salt Creek         PVC         1,102         1,514         2,395         0.621         36.6%           14069         42         99.7         Main Street         PVC         7,404         10,045         12,893         0.455         46.5%           14066         42         590.0	65	15064	12	225.0	10.30	Salt Creek	PVC	839	1,160	1,273	0.369	47.3%	YES
14012         21         112.6         3.40         Salt Creek         PVC         1,102         1,160         2,394         0.284           14013         21         14.4         7.50         Salt Creek         PVC         1,102         1,514         2,394         0.291           14014         21         156.5         1.70         Salt Creek         PVC         1,102         1,514         2,395         0.552           14015         21         40.4         0.40         Salt Creek         PVC         1,102         1,514         2,395         0.552           14010         20         94.7         6.40         Salt Creek         PVC         1,102         1,514         2,395         0.552           14010         20         94.7         6.40         Salt Creek         PVC         1,102         1,514         2,395         0.335           14009         42         544.2         0.40         Main Street         PVC         7,404         10,045         12,893         0.347           14066         42         507.5         1.10         Main Street         PVC         7,407         10,048         12,914         0.455           14066         42	64	15069	12	336.9	1.10	Salt Creek	PVC	839	1,160	1,275	0.649	7.3%	YES
14013         21         14.4         7.50         Salt Creek         PVC         1,102         1,514         2,394         0.291           14014         21         156.5         1.70         Salt Creek         PVC         1,102         1,514         2,395         0.552           14025         21         40.4         0.40         Salt Creek         PVC         1,102         1,514         2,396         0.621           14010         20         94.7         6.40         Salt Creek         PVC         1,102         1,514         2,396         0.621           14010         20         94.7         6.40         Salt Creek         PVC         7,404         1,514         12,890         0.335           14069         42         499.2         1.40         Main Street         PVC         7,404         10,045         12,890         0.336           14066         42         600.0         0.30         Main Street         PVC         7,407         10,048         12,914         0.450           14066         42         600.0         0.30         Main Street         PVC         7,408         10,049         12,914         0.450           14082         42	02	14012	21	112.6	3.40	Salt Creek	PVC	1,102	1,160	2,394	0.284	%9.99	
14014         21         156.5         1.70         Salt Creek         PVC         1,102         1,514         2,395         0.552           14015         21         40.4         0.40         Salt Creek         PVC         1,102         1,514         2,396         0.621           14010         20         94.7         6.40         Salt Creek         PVC         1,102         1,514         2,397         0.335           14010         20         94.7         6.40         Salt Creek         PVC         7,404         1,514         12,882         0.434           14069         42         499.2         1.40         Main Street         PVC         7,404         10,045         12,890         0.338           14066         42         600.0         0.30         Main Street         PVC         7,407         10,049         12,914         0.450           14066         42         600.0         0.30         Main Street         PVC         7,408         10,049         12,914         0.450           14082         42         600.0         0.30         Main Street         PVC         7,408         10,049         12,914         0.450           14082         42 <td>12</td> <td>14013</td> <td>21</td> <td>14.4</td> <td>7.50</td> <td>Salt Creek</td> <td>PVC</td> <td>1,102</td> <td>1,514</td> <td>2,394</td> <td>0.291</td> <td>65.8%</td> <td></td>	12	14013	21	14.4	7.50	Salt Creek	PVC	1,102	1,514	2,394	0.291	65.8%	
14025         21         40.4         0.40         Salt Creek         PVC         1,102         1,514         2,396         0.621           14010         20         94.7         6.40         Salt Creek         PVC         1,102         1,514         2,397         0.335           15114         42         544.2         0.40         Main Street         PVC         7,404         1,514         12,882         0.434           14069         42         499.2         1.40         Main Street         PVC         7,404         10,045         12,893         0.338           14067         42         507.5         1.10         Main Street         PVC         7,407         10,045         12,903         0.455           14066         42         600.0         0.30         Main Street         PVC         7,408         10,049         12,914         0.450           14086         42         600.0         0.30         Main Street         PVC         7,408         10,049         12,914         0.450           14082         42         590.0         1.20         Main Street         PVC         7,410         10,050         12,925         0.354           14077         4	113	14014	21	156.5	1.70	Salt Creek	PVC	1,102	1,514	2,395	0.552	35.1%	
14010         20         94.7         6.40         Salt Creek         PVC         1,102         1,514         2,397         0.335           15114         42         544.2         0.40         Main Street         PVC         7,404         1,514         12,882         0.434           14069         42         499.2         1.40         Main Street         PVC         7,407         10,045         12,893         0.338           14067         42         507.5         1.10         Main Street         PVC         7,407         10,045         12,903         0.347           14066         42         600.0         0.30         Main Street         PVC         7,408         10,049         12,914         0.450           14086         42         600.0         0.30         Main Street         PVC         7,408         10,049         12,914         0.450           14082         42         590.0         1.20         Main Street         PVC         7,410         10,050         12,925         0.354           14077         42         585.0         1.20         Main Street         PVC         7,413         10,050         12,925         0.354	14	14025	21	40.4	0.40	Salt Creek	PVC	1,102	1,514	2,396	0.621	76.9%	
15114         42         544.2         0.40         Main Street         PVC         7,404         1,514         12,882         0.434           14069         42         499.2         1.40         Main Street         PVC         7,404         10,045         12,893         0.338           14068         42         32.9         1.30         Main Street         PVC         7,407         10,048         12,893         0.347           14066         42         507.5         1.10         Main Street         PVC         7,408         10,048         12,914         0.450           14082         42         590.0         1.20         Main Street         PVC         7,410         10,050         12,915         0.354           14077         42         590.0         1.20         Main Street         PVC         7,410         10,050         12,925         0.354	325	14010	20	94.7	6.40	Salt Creek	PVC	1,102	1,514	2,397	0.335	%9:09	
14069         42         499.2         1.40         Main Street         PVC         7,404         10,045         12,890         0.338           14068         42         32.9         1.30         Main Street         PVC         7,407         10,045         12,893         0.347           14066         42         507.5         1.10         Main Street         PVC         7,407         10,048         12,914         0.450           14082         42         600.0         0.30         Main Street         PVC         7,410         10,050         12,915         0.354           14077         42         590.0         1.20         Main Street         PVC         7,410         10,050         12,915         0.354	74	15114	42	544.2	0.40	Main Street	PVC	7,404	1,514	12,882	0.434	48.9%	
14068         42         32.9         1.30         Main Street         PVC         7,407         10,045         12,893         0.347           14067         42         507.5         1.10         Main Street         PVC         7,408         10,048         12,913         0.455           14066         42         600.0         0.30         Main Street         PVC         7,408         10,049         12,914         0.450           14082         42         590.0         1.20         Main Street         PVC         7,410         10,050         12,925         0.354           14077         42         585.0         1.20         Main Street         PVC         7,413         10,052         12,939         0.335	114	14069	42	499.2	1.40	Main Street	PVC	7,404	10,045	12,890	0.338	60.2%	
14067         42         507.5         1.10         Main Street         PVC         7,408         10,048         12,903         0.455           14066         42         600.0         0.30         Main Street         PVC         7,408         10,049         12,914         0.450           14082         42         590.0         1.20         Main Street         PVC         7,410         10,050         12,925         0.354           14077         42         585.0         1.20         Main Street         PVC         7,413         10,052         12,939         0.335	690	14068	42	32.9	1.30	Main Street	PVC	7,407	10,045	12,893	0.347	59.2%	
14066         42         600.0         0.30         Main Street         PVC         7,408         10,049         12,914         0.450           14082         42         590.0         1.20         Main Street         PVC         7,410         10,050         12,925         0.354           14077         42         585.0         1.20         Main Street         PVC         7,413         10,052         12,939         0.335	89	14067	42	507.5	1.10	Main Street	PVC	7,407	10,048	12,903	0.455	46.5%	
14082         42         590.0         1.20         Main Street         PVC         7,410         10,050         12,925         0.354           14077         42         585.0         1.20         Main Street         PVC         7,413         10,052         12,939         0.335	290	14066	42	0.009	0.30	Main Street	PVC	7,408	10,049	12,914	0.450	47.1%	
14077 42 585.0 1.20 Main Street PVC 7,413 10,052 12,939 0.335	990	14082	42	590.0	1.20	Main Street	PVC	7,410	10,050	12,925	0.354	58.4%	
	82	14077	42	585.0	1.20	Main Street	PVC	7,413	10,052	12,939	0.335	%9.09	

T-1. 2050 PWWF Model Result with Existing Pipeline Conditions

	Evicting	CIP																								YES	YES	YES		YES							
	Hydraulic	Capactiy Remaining (%)	58.4%	52.7%	52.7%	49.2%	31.6%	41.6%	49.3%	49.2%	52.2%	20.0%	52.2%	54.4%	50.1%	44.2%	46.2%	46.6%	34.9%	25.4%	20.9%	39.1%	88.09	70.7%	%6.69	38.4%	39.3%	38.9%	52.1%	-18.0%	19.4%	20.9%	24.4%	25.6%	%0.09	80.7%	61.6%
	The same of	PWWF d/D	0.354	0.402	0.402	0.432	0.581	0.496	0.431	0.432	0.406	0.425	0.406	0.388	0.424	0.474	0.457	0.454	0.553	0.634	0.417	0.518	0.333	0.249	0.256	0.431	0.425	0.428	0.407	0.826	0.685	0.672	0.643	0.632	0.340	0.334	0.326
		PWWF (gpm)	12,940	12,949	12,957	12,958	12,987	12,998	13,008	13,019	13,020	13,025	13,036	13,047	13,062	13,063	13,066	13,074	13,081	13,084	14,817	14,835	1,108	1,103	1,097	695	694	694	827	1,278	4,343	4,346	4,347	4,349	4,350	4,353	4,361
COlldicion		PDWF (gpm)	10,057	10,057	10,057	10,058	10,058	10,067	10,068	10,068	10,070	10,070	10,071	10,072	10,073	10,079	10,079	10,079	10,079	10,079	10,081	11,420	11,420	059	647	646	673	673	673	496	1,160	3,171	3,170	3,170	3,169	3,169	3,169
ig ripellile	Salar English	ADWF (gpm)	7,413	7,414	7,414	7,414	7,422	7,423	7,423	7,424	7,424	7,425	7,426	7,427	7,431	7,431	7,431	7,431	7,431	7,432	8,436	8,436	473	471	470	488	489	490	360	839	2,304	2,304	2,304	2,304	2,304	2,304	2,309
IIII EAISUI		Pipe Material	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC																	
WWY INDUSTRICT WITH EXISTING PIPERINE COMMITTEES		Basin	Main Street			Salt Creek																															
NA AN INIC		Slope (%)	2.00	0.70	0.70	0.70	0.20	0.20	0.80	0.50	08.0	09.0	09.0	06:0	0.70	0.50	0.40	09.0	0:30	0:30	2.60	0.40	3.20	3.00	2.60	1.90	2.10	1.00	2.50	09:0	0.20	0.20	0.20	0:30	3.30	3.10	3.90
1-T. 2030 F	The second	Length (ft.)	47.3	510.7	474.3	71.1	0'009	0.009	0.009	0'009	45.0	254.1	0.009	0.009	575.0	51.2	164.2	535.6	386.8	92.9	211.0	1127.4	304.5	182.5	149.8	14.7	211.8	399.9	336.8	174.0	406.7	400.0	187.4	164.5	200.0	231.3	154.2
		Existing Diameter (in)	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	18	18	18	12	12	12	15	12	24	24	24	24	24	24	24
		То МН	14065	14072	14073	14095	14129	14128	14127	14126	14125	13912	14117	14120	14122	14121	14123	14119	14124	TWY_MH_0	14118	UTFALL_915	14039	14040	14041	15066	15288	15289	9123	13980	13978	13977	13976	13975	14026	13974	13973
	The state of the s	From MH	14077	14065	14072	14073	13911	14129	14128	14127	14126	14125	13912	14117	14120	14122	14121	14123	14119	14124	14003	14118	14040	14041	13849	15288	15289	15287	13878	15538	13979	13978	13977	13976	13975	14026	13974
		Q	16550	16551	16552	16553	16555	16556	16557	16558	16559	16560	16561	16562	16563	16564	16565	16566	16567	16568	16569	16570	16749	16751	16753	16807	16808	16809	17086	17093	17094	17095	17096	17097	17098	17099	17100

T-1. 2050 PWWF Model Result with Existing Pipeline Conditions

	CIP Planned								YES	YES																							
Hydraulic	Capactiy Remaining (%)	63.9%	89:59	63.1%	55.3%	48.9%	40.2%	46.9%	41.0%	20.3%	47.4%	25.9%	49.9%	47.9%	39.5%	58.8%	54.8%	22.6%	41.6%	43.3%	68.1%	69.5%	%9.69	%9:09	51.4%	20.9%	52.7%	67.2%	70.7%	%0.99	63.0%	73.6%	%9'02
	PWWF d/D	0.307	0.292	0.314	0.380	0.434	0.508	0.451	0.413	0.558	0.447	0.375	0.426	0.443	0.514	0.350	0.384	0.658	0.496	0.482	0.271	0.259	0.258	0.335	0.413	0.417	0.402	0.279	0.205	0.238	0.259	0.224	0.250
	PWWF (gpm)	4,363	4,366	4,721	4,724	4,728	4,730	4,732	1,275	1,277	1,191	12,968	12,976	12,873	1,120	813	2,758	4,037	1,119	14,807	328	268	268	267	653	653	653	326	93	93	203	203	327.761
	PDWF (gpm)	3,176	3,176	3,176	3,528	3,528	3,527	3,527	3,527	1,160	1,160	10,060	10,066	10,045	652	492	1,713	2,870	652	11,414	328	268	268	267	653	653	653	326	93	93	203	203.337	327.761
	ADWF (gpm)	2,309	2,309	2,566	2,566	2,566	2,566	2,566	839	839	497	7,416	7,421	7,404	474	358	1,247	2,087	474	8,431	241	203	200	196	475	481	475	238	70	67	148	147	238
	Pipe Material	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC																						
	Basin	Salt Creek				Main Street		Salt Creek	Salt Creek	Salt Creek																							
	Slope (%)	4.10	6.30	5.30	4.30	1.40	1.50	0.40	5.10	3.90	0.40	0.70	2.50	1.10	00:0	1.30	8.40	0.20	0.50	0.20	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
	Length (ft.)	220.5	348.9	283.3	400.0	377.9	328.1	177.3	128.1	393.6	303.9	455.3	144.7	135.8	72.5	313.7	84.6	320.7	316.2	602.4	865.7	844.9	936.1	897.4	1349.9	1211.3	1027.2	4295.4	709.0	1041.9	1005.3	1933.6	1167.2
	Existing Diameter (in)	24	24	24	24	24	24	30	12	12	18	42	42	42	18	15	24	24	18	42	15	15	15	15	15	15	15	15	12	12	12	15	15
	То МН	13972	13971	13985	13970	13969	13968	14009	15542	15538	14035	15953	13911	14074	13881	13141	13980	13979	13847	14003	IECMH36	IECMH40	IECMH42	IECMH44	IECMH46	IECMH48	13922	14004	IECMH56	IECMH26	IECMH28	IECMH22	IECMH30
	From MH	13973	13972	13971	13985	13970	13969	13968	15069	15542	13881	14095	15953	14214	13847	9105	9124	13980	14038	D_HM_YWT	IECMH30	IECMH10	IECMH40	IECMH42	IECMH44	IECMH46	IECMH48	IECMH36	IECMH50	IECMH56	IECMH26	IECMH28	IECMH22
	<u>0</u>	17101	17102	17103	17104	17105	17106	17107	17111	17112	17528	17549	17550	9097	9101	9110	9118	9119	9182	CDT-59	IECGM101	IECGM107	IECGM109	IECGM111	IECGM113	IECGM115	IECGM117	IECGM119	IECGM121	IECGM127	IECGM87	IECGM89	IECGM91

T-2. 2050 PWWF Model Result with Existing Pipeline Conditions and Village 13 and 14 Flows Added

<10%	Capacity Remaining																							YES																	
Existing	CIP																																								
Capacity	Used by Project	11.4%	16.1%	7.8%	2.9%	2.6%	5.5%	5.3%	5.2%	%0.9	7.3%	7.2%	4.0%	3.4%	2.9%	4.1%	5.5%	5.5%	4.0%	3.5%	4.0%	3.8%	5.1%	12.4%	2.1%	12.7%	2.6%	2.6%	2.6%	5.3%	4.8%	3.5%	3.1%	3.8%	3.1%	2.9%	3.6%	4.0%	3.9%	3.6%	4.2%
Hydraulic Capactiy	Remaining (%)	58.1%	30.4%	41.8%	40.2%	42.1%	41.9%	44.1%	43.5%	39.1%	29.4%	31.4%	48.8%	55.5%	28.5%	46.6%	33.4%	35.4%	50.2%	26.9%	51.2%	53.3%	55.3%	9.3%	78.9%	37.3%	28.8%	28.1%	28.5%	34.6%	35.8%	47.9%	57.5%	50.1%	%9.09	60.4%	51.8%	48.5%	49.3%	50.4%	45.4%
PWWF	d/b	0.356	0.592	0.495	0.508	0.492	0.494	0.475	0.48	0.518	9.0	0.583	0.435	0.378	0.353	0.454	0.566	0.549	0.423	0.366	0.415	0.397	0.38	0.771	0.179	0.533	0.605	0.611	0.608	0.556	0.546	0.443	0.361	0.424	0.335	0.337	0.41	0.438	0.431	0.422	0.464
PWWF	(mdg)	1,043	1,090	5,852	066'9	986′9	6,982	6,945	6,882	6,858	6,852	6,848	8,253	8,216	8,207	8,199	8,192	8,186	8,181	7,722	7,717	7,712	5,863	5,855	5,852	3,528	9,403	9,382	9,374	9,365	9,355	9,340	8,360	8,350	8,340	8,320	8,313	8,305	8,300	8,293	8,286
PDWF	(mdg)	670	708	4,372	5,412	5,412	5,412	5,380	5,324	5,307	5,309	5,310	6,559	6,530	6,531	6,531	6,533	6,535	6,537	6,082	6,083	6,083	4,369	4,371	4,372	2,359	7,550	7,545	7,540	7,540	7,540	7,534	6,568	895'9	6,568	6,558	6,558	6,558	6,558	6,558	6,559
ADWF	(mdg)	487	514	3,179	3,948	3,948	3,948	3,923	3,882	3,868	3,868	3,868	4,803	4,780	4,780	4,780	4,780	4,780	4,780	4,445	4,445	4,445	3,179	3,179	3,179	1,715	5,537	5,533	5,528	5,528	5,528	5,523	4,811	4,811	4,811	4,803	4,803	4,803	4,803	4,803	4,803
Pipe	Material	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC
Existing Length Hydraulic ADWF PDWF PWWF Capactiy	Basin	Salt Creek		Salt Creek	Sait Creek	Salt Creek	Salt Creek	Main Street	Salt Creek																																
	Slope (%)	4.20	0.20	11.00	0.20	0.20	0.20	0:30	1.10	0.30	0:30	0:30	0.20	09.0	1.40	0.20	0.20	0.20	2.10	09.0	09.0	09.0	5.40	0.10	45.00	1.20	0.10	0.10	0.10	0.20	0.10	1.10	0:30	0:30	06.0	0.50	0.20	0.20	0.20	0.20	0.20
Length		197.8	41.9	36.3	304.2	353.8	353.8	510.2	598.6	599.5	522.8	0.009	502.9	599.7	0.009	599.5	600.1	475.0	304.7	439.8	394.1	598.4	83.8	299.3	13.0	177.5	594.3	136.0	598.8	599.4	521.8	449.6	682.8	8.665	9.665	437.8	498.3	310.3	438.7	430.4	447.1
Existing	Diameter (in)	15	15	30	36	36	36	36	30	30	30	30	42	42	36	36	36	36	36	36	36	36	30	30	30	20	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
	To MH	13134	13385	14008	13949	13950	13951	13952	13953	13954	13955	13956	13934	13935	13936	13937	13938	13939	13940	13941	13942	13943	13965	13967	14016	14002	13916	13987	13918	13919	13920	13921	14004	13923	13924	13925	13926	13927	13928	13929	13930
	From MH	13347	13138	14016	13950	13951	13952	13953	13954	13955	13956	13957	13935	13936	13937	13938	13939	13940	13941	13942	13943	13944	14007	14008	14009	14010	13917	13918	13919	13920	13921	13922	13923	13924	13925	13926	13927	13928	13929	13930	13931
	9	12869	12870	13756	13759	13760	13761	13762	13763	13764	13765	13766	13767	13768	13769	13770	13771	13772	13773	13774	13775	13776	13777	13778	13779	13780	13784	13785	13786	13787	13788	13789	13790	13791	13792	13793	13794	13795	13796	13797	13798

T-2. 2050 PWWF Model Result with Existing Pipeline Conditions and Village 13 and 14 Flows Added

Office Name         Change of Page (a)         Change (a)         Ch				I-2. 2050 PWWF INIQUEL N	:		300000000000000000000000000000000000000				0					
From MA         To MAH         Dailed Man (May)         Sint Creek         PACK         4,883         6,583         8,773         0.445         Ack         1,10         Mark         Ack         1,10				Existing						- Daniel	2,10010	10000	Hydraulic	Capacity	Existing	<10%
13932         13931         42         2204         0.20         Salt Creek         PVC         1,803         6,559         8,279         0.442         46,078           143884         14034         18         24         226,0         1.00         Salt Creek         PVC         1,805         2,588         0.645         6,436         48,78           144034         14033         18         258.6         0.40         Salt Creek         PVC         1,805         2,238         0.675         2,15%           14039         1405         18         256.6         0.40         Salt Creek         PVC         1,087         1,255         2,234         0.675         2,15%           14039         1389         18         256.6         0.40         Salt Creek         PVC         1,087         1,489         2,218         0.675         2,178         0.75         1,489         2,218         0.675         0.75         1,489         2,218         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60 <t< th=""><th><u>o</u></th><th>From MH</th><th>To MH</th><th>Diameter (in)</th><th>(ft.)</th><th>Slope (%)</th><th>Basin</th><th>Pipe</th><th>(gpm)</th><th>(gpm)</th><th>(gpm)</th><th>d d</th><th>Capactiy Remaining</th><th>Used by Project</th><th>CIP</th><th>Capacity Remaining</th></t<>	<u>o</u>	From MH	To MH	Diameter (in)	(ft.)	Slope (%)	Basin	Pipe	(gpm)	(gpm)	(gpm)	d d	Capactiy Remaining	Used by Project	CIP	Capacity Remaining
13880         9124         74         2540         1.00         SBICGREK         PVC         1.180         2.558         3.877         0.455         2.438         0.645         2.1286           14033         14033         183         2.856         0.20         SBICCREK         PVC         1.130         1.555         2.338         0.667         2.1286           14036         14038         18         2.856         0.40         SBICCREK         PVC         1.180         1.555         2.338         0.657         2.1286           14380         18         3.856         0.40         SBICCREK         PVC         1.087         1.480         2.216         0.672         2.1286         2.218         0.672         2.1286         2.218         0.672         2.1286         0.677         2.1286         0.672         2.1286         0.672         2.1286         0.672         2.1286         0.672         2.1286         0.672         2.1286         0.672         2.1286         0.672         2.1286         0.672         2.1286         0.672         2.1286         0.672         2.1286         0.672         2.1286         0.672         2.1286         0.672         2.1286         0.672         2.1286         0.6	13799	13932	13931	42	320.4	0.20	Salt Creek	PVC	4,803	6,559	8,279	0.442	48.0%	4.1%		
14033         18         288.8         0.50         Salf Creek         PVC         1133         1559         2,433         0.667         712/8           14035         14036         18         285.6         0.40         Salf Creek         PVC         1,187         1,455         2,236         0.667         212/8           14166         18         36.6         0.40         Salf Creek         PVC         1,087         1,489         2,236         0.647         212/8           13850         18         36.6         0.40         Salf Creek         PVC         1,087         1,489         2,216         0.425         28.7           13850         18         36.6         1.80         Salf Creek         PVC         1,082         1,489         2,216         0.40         5.81         0.40         5.81         0.40         5.81         0.40         5.81         0.40         5.81         0.80         0.40         5.81         0.40         5.81         0.40         5.81         0.40         5.81         0.40         5.81         0.40         5.81         0.40         5.81         0.40         5.81         0.80         0.40         5.81         0.40         5.81         0.40	13800	13988	9124	24	254.0	1.00	Salt Creek	PVC	1,860	2,558	3,877	0.436	48.7%	8.8%		
14035         14044         18         235.6         0.40         Salt Creek         PVC         1,185         1,258         2,236         0.67         2,112%           14016         14056         188         186         0.40         Salt Creek         PVC         1,687         2,736         0.673         2,178           14056         188         436.6         0.40         Salt Creek         PVC         1,687         1,489         2,236         0.673         2,178         0.478         1,489         1,489         2,136         0.673         2,11%         0.678         2,138         0.678         2,136         0.678         2,11%         0.678         2,148         0.678         2,148         0.678         2,148         0.678         2,148         0.678         2,148         0.678         2,147         0.678         2,148         0.678         2,147         0.678         2,148         0.678         2,147         0.678         2,148         0.678         2,147         0.678         2,147         0.678         2,148         0.678         2,147         0.678         2,148         0.678         2,147         0.678         2,148         0.678         2,147         0.688         2,148         0.678	13801	14034	14033	18	283.8	0.50	Salt Creek	PVC	1,133	1,559	2,413	0.667	21.5%	25.9%		
1495         1495         1495         1495         2236         0.643         2677         1495         2236         0.643         2678           14039         14056         18         356.6         0.40         Salf Creek         PVC         1,087         1,495         2,236         0.643         24.78           13850         13860         18         56.9         1.80         Salf Creek         PVC         1,082         1,489         2,215         0.675         2.748           13934         13850         18         6.0         0.40         Salf Creek         PVC         1,082         2,215         0.675         2.848           13945         13850         0.40         Salf Creek         PVC         4,483         6.08         0.415         6.08         2,215         0.415         3.848         1.489         0.215         0.415         6.08         1.489         0.215         0.415         6.08         1.489         0.218         0.418         4.485         6.08         0.418         6.08         3.418         9.09         0.418         6.08         0.448         6.08         0.418         0.418         0.08         0.448         0.08         0.58         0.08	13803	14035	14034	18	235.6	0.40	Salt Creek	PVC	1,130	1,555	2,383	0.67	21.2%	26.0%		
13850         1386         18         404.7         0.40         Salt Creek         PVC         1,087         1,495         2,234         0.645         24.1%           13850         138         56.9         1.80         salt Creek         PVC         1,082         1,489         0.215         0.475         24.1%           13933         13850         18         46.8         0.40         salt Creek         PVC         1,082         1,489         0.215         0.475         3.4%           13934         13930         48         40.0         Salt Creek         PVC         4,803         6.559         8.253         0.430         58.4         0.60         0.445         6.08         5.559         8.23         0.445         6.08         5.215         0.430         8.4         0.445         6.08         7.04         3.4         3.4         0.437         0.445         6.08         0.417         3.048         9.25         0.430         8.4         0.445         6.08         0.60         0.91         9.04         9.04         9.044         9.04         9.045         0.448         6.08         0.436         8.4         9.05         0.048         9.048         9.048         9.048 <td< td=""><td>13804</td><td>14166</td><td>14038</td><td>18</td><td>336.6</td><td>0.40</td><td>Salt Creek</td><td>PVC</td><td>1,087</td><td>1,495</td><td>2,236</td><td>0.623</td><td>26.7%</td><td>25.1%</td><td></td><td></td></td<>	13804	14166	14038	18	336.6	0.40	Salt Creek	PVC	1,087	1,495	2,236	0.623	26.7%	25.1%		
13850         1386         180         Salt Creek         PVC         1,082         1,489         2,216         0.278         4,068           91333         13850         1386         188         1,889         1,289         2,215         0.578         3.48           91333         14056         42         286.5         0.30         salt Creek         PVC         4,883         6,559         8,267         0.417         50.9%           13944         13948         13949         3.6         50.0         Salt Creek         PVC         4,445         6,589         8,267         0.436         48.7%           13946         13946         3.6         60.0         0.60         Salt Creek         PVC         4,445         6,086         7,689         0.398         53.1%           13947         13946         3.6         60.0         0.60         Salt Creek         PVC         4,445         6,086         7,089         53.1%           13948         1394         3.6         6.0         Salt Creek         PVC         4,445         6,089         0.39         53.1%           13959         13959         1396         3.0         Salt Creek         PVC         4,445	13805	14039	14166	18	404.7	0.40	Salt Creek	PVC	1,087	1,495	2,234	0.645	24.1%	26.2%		
9123         13850         18         0.40         Salt Creek         PVC         4,003         6,559         2,215         0.575         32.4%           113934         13850         1365         0.20         Salt Creek         PVC         4,603         6,559         0.215         0.417         50.08           113934         13934         2.96.5         0.20         Salt Creek         PVC         4,445         6,084         7,04         0.398         53.2%           113946         13946         3.6         5.88         0.20         Salt Creek         PVC         4,445         6,086         7,041         0.398         53.2%           113947         13946         3.6         5.87         0.60         Salt Creek         PVC         4,445         6,086         7,889         0.398         53.2%           113948         13947         3.6         5.6         5.81 Creek         PVC         4,445         6,086         0.398         53.2%           113948         13947         3.6         5.9         5.81 Creek         PVC         4,445         6,086         7,689         6.38         5.34%           113948         13948         1.3         5.6         5.9 </td <td>13806</td> <td>13850</td> <td>13849</td> <td>18</td> <td>56.9</td> <td>1.80</td> <td>Salt Creek</td> <td>PVC</td> <td>1,082</td> <td>1,489</td> <td>2,216</td> <td>0.428</td> <td>49.6%</td> <td>16.7%</td> <td></td> <td></td>	13806	13850	13849	18	56.9	1.80	Salt Creek	PVC	1,082	1,489	2,216	0.428	49.6%	16.7%		
13934         14006         42         228,9         0.30         Salt Creek         PVC         4,803         6,559         8,267         0.41         50.9%           13934         13933         42         508,6         0.20         Salt Creek         PVC         4,445         6,088         7,704         0.398         53.2%           13946         1394         36         6,00         0.60         Salt Creek         PVC         4,445         6,088         7,683         0.399         53.2%           13946         1394         36         6,00         0.60         Salt Creek         PVC         4,445         6,089         0.398         53.3%           13949         13946         36         6,00         0.60         Salt Creek         PVC         4,445         6,089         0.399         53.3%           13949         13940         36         5317         0.0         Salt Creek         PVC         3,445         6,089         0.399         53.3%           13959         1396         37         1.0         Salt Creek         PVC         3,242         4,611         5,991         0.46         4,598           13950         1396         37         3,2	13808	9123	13850	18	481.8	0.40	Salt Creek	PVC	1,082	1,489	2,215	0.575	32.4%	23.4%		
13934         13934         393         42         596.5         0.20         Salt Creek         PVC         4,803         6,559         8,253         0.436         4,87%           13944         36         56         56         0.60         Salt Creek         PVC         4,445         6,086         7,704         0.398         53.1%           13947         13946         36         600.0         Salt Creek         PVC         4,445         6,086         7,699         0.398         53.2%           13948         1394         36         Salt Creek         PVC         4,445         6,086         7,699         0.398         53.2%           13959         1394         36         Salt Creek         PVC         3,445         6,089         0.46         4,455         6.89           13959         1395         30         6000         0.30         Salt Creek         PVC         3,445         6,989         0.346           13959         1395         30         568.0         1.10         Salt Creek         PVC         3,242         4,452         5,981         0.36         5,378           13961         13962         30         568.0         1.10         Salt	13811	13933	14006	42	298.9	0:30	Salt Creek	PVC	4,803	6,559	8,267	0.417	20.9%	3.9%		
13945         13944         36         5884         0.60         Salt Creek         PVC         4445         6,084         7,04         0.38         53.2%           13946         13945         36         6000         0.60         Salt Creek         PVC         4,445         6,088         7,687         0.399         53.2%           13946         13946         36         6000         0.60         Salt Creek         PVC         4,445         6,088         7,697         0.399         53.2%           13949         13948         36         6000         0.60         Salt Creek         PVC         4,445         6,088         7,697         0.399         53.2%           13959         13948         36         600         0.60         Salt Creek         PVC         3,242         4,451         6,999         0.46         48.2%           13950         1395         30         510 Creek         PVC         3,242         4,451         6,999         0.44         48.2%           13960         1396         317         1.60         53lt Creek         PVC         3,242         4,451         6,999         0.44         48.2%           1396         1396         3.0	13812	13934	13933	42	596.5	0.20	Salt Creek	PVC	4,803	6,559	8,263	0.436	48.7%	3.9%		
13946         13945         36         6000         0.60         Salt Creek         PVC         4445         6,086         7,683         0.338         53.1%s           13947         13946         36         593.7         0.60         Salt Creek         PVC         4,485         6,086         7,683         0.396         53.4%s           13948         13946         36         483.4         0.60         Salt Creek         PVC         3,445         6,086         7,683         0.396         53.4%s           13958         13957         30         6600         0.31 Creek         PVC         3,421         6,989         0.46         4.50%s           13956         13957         30         6600         0.31 Creek         PVC         3,242         4,451         6,989         0.46         4,50%s           13956         13950         30         5610         1.10         5alt Creek         PVC         3,242         4,451         6,989         0.38           13960         13960         30         551         1.00         5alt Creek         PVC         3,242         4,452         5,915         0.44         4,588           13964         13962         30	13813	13945	13944	36	598.4	09.0	Salt Creek	PVC	4,445	6,084	7,704	0.398	53.2%	3.8%		
13947         13946         36         533.7         0.60         Salt Creek         PVC         4,445         6,088         7,683         0.398         5.2%           13949         13948         3.948         13948         13948         13948         13948         13948         13948         13948         13948         13948         1366         600.0         0.60         Salt Creek         PVC         4,445         6,988         7,683         0.468         5.5%           13958         13958         13958         1305         30.0         600.0         0.30         Salt Creek         PVC         3,242         4,451         5,975         0.46         4.8%           13950         13950         1306         580.0         1.10         Salt Creek         PVC         3,242         4,451         5,975         0.46         4,8%           13961         13960         30         581.0         1.10         Salt Creek         PVC         3,242         4,452         5,971         0.39         5,948         1,455         5,971         0.39         5,348         1,455         5,971         0.39         5,348         1,455         5,971         0.39         8,342         4,452         5,	13814	13946	13945	36	0.009	09.0	Salt Creek	PVC	4,445	6,085	7,697	0.399	53.1%	3.9%		
13946         13947         36         4834         0.60         Salt Creek         PVC         4,445         6,088         7,683         0.396         63.48         6.341         6,099         0.46         4,548         7,411         6,099         0.46         4,548           13948         13948         13948         3.60         0.30         Salt Creek         PVC         3,242         4,451         5,991         0.44         4,828           13959         13958         30         317.3         1.60         Salt Creek         PVC         3,242         4,451         5,971         0.37         56.3%           13960         13959         396         30         317.3         1.60         Salt Creek         PVC         3,242         4,452         5,965         0.44         4,82.3           13962         13961         30         56.9         1.10         Salt Creek         PVC         3,242         4,452         5,965         0.39         56.3%           13962         13961         30         56.7         1.10         Salt Creek         PVC         3,242         4,452         5,965         0.39         5.48%           13964         13964         31364	13815	13947	13946	36	593.7	09.0	Salt Creek	PVC	4,445	980′9	689'2	0.398	53.2%	3.8%		
13949         13948         36         5973         0.20         SaltCreek         PVC         3,948         5,411         6,999         0.46         45.9%           139560         13957         30         SaltCreek         PVC         3,242         4,411         5,915         0.44         45.2%           139560         13957         1.00         SaltCreek         PVC         3,242         4,451         5,975         0.44         45.2%           139561         13959         30         56.97         1.10         SaltCreek         PVC         3,242         4,452         5,975         0.44         45.2%           13962         13962         30         56.97         1.10         SaltCreek         PVC         3,242         4,452         5,975         0.48         45.2%           13962         13961         30         516 Creek         PVC         3,242         4,452         5,975         0.48         45.2%           13962         13961         30         516 Creek         PVC         3,242         4,452         5,975         0.48         45.2%           13962         13961         30         5altCreek         PVC         3,242         4,452	13816	13948	13947	36	483.4	09:0	Salt Creek	PVC	4,445	6,088	7,683	0.396	53.4%	3.9%		
13958         13957         30         Goud         O30         Salt Creek         PVC         3,242         4,451         5,981         0.561         34.0%           13959         13958         30         568.0         1.10         Salt Creek         PVC         3,242         4,452         5,913         0.558           13960         30         568.0         1.10         Salt Creek         PVC         3,242         4,452         5,955         0.339         53.9%           13961         13960         30         568.0         1.10         Salt Creek         PVC         3,242         4,452         5,955         0.339         54.8%           13962         13961         30         82.9         1.20         Salt Creek         PVC         3,242         4,452         5,956         0.339         54.8%           13962         13962         30         Salt Creek         PVC         3,242         4,452         5,956         0.339         54.8%           13987         13967         30         Salt Creek         PVC         3,242         4,452         5,956         0.438         4,65%           13987         13987         24         35         2,452	13817	13949	13948	36	597.3	0.20	Salt Creek	PVC	3,948	5,411	666'9	0.46	45.9%	4.8%		
13959         13958         30         317.3         1.60         Salt Creek         PVC         3,242         4,451         5,975         0.44         48.2%           13950         13955         30         368.0         1.10         Salt Creek         PVC         3,242         4,452         5,973         0.373         56.1%           13962         13963         30         568.0         1.10         Salt Creek         PVC         3,242         4,452         5,959         0.338         56.1%           13962         13961         30         179.7         0.80         Salt Creek         PVC         3,242         4,452         5,959         0.488         49.6%           13964         13961         30         179.7         0.80         Salt Creek         PVC         3,242         4,452         5,959         0.488         49.6%           13987         13962         30         531 Creek         PVC         3,242         4,452         5,959         0.488         4.6%           13987         13962         30         531 Creek         PVC         1,806         2,483         3,778         0.488         4.8%           13992         24         40         <	13818	13958	13957	30	0.009	0:30	Salt Creek	PVC	3,242	4,451	5,981	0.561	34.0%	7.3%		
13960         13953         568.0         1.10         Salt Creek         PVC         3,242         4,452         5,971         0.373         56.1%           13961         3360         30         568.7         1.10         Salt Creek         PVC         3,242         4,452         5,965         0.332         58.9%           13962         30         18.79         1.20         Salt Creek         PVC         3,242         4,452         5,968         0.389         5.39%           13963         13962         30         179.7         0.80         Salt Creek         PVC         3,242         4,452         5,968         0.438         5.3%           13987         13962         30         179.7         0.80         Salt Creek         PVC         3,242         4,452         5,968         0.488         28.9%           13980         24         455.9         0.10         Main Street         PVC         1,860         2,484         3,778         0.652         38.9%           13399         13990         24         409.1         0.30         Salt Creek         PVC         1,806         2,484         3,778         0.650         3.2%           13992         24	13819	13959	13958	30	317.3	1.60	Salt Creek	PVC	3,242	4,451	5,975	0.44	48.2%	5.8%		
13961         396         569.7         1.10         Salt Creek         PVC         3,242         4,452         5,965         0.386         53.9%           13962         13961         30         82.9         1.20         Salt Creek         PVC         3,242         4,452         5,959         0.386         54.6%           13962         30         179.7         0.80         Salt Creek         PVC         3,242         4,452         5,959         0.386         54.6%           13962         13962         30         55.1         0.40         Salt Creek         PVC         3,242         4,452         5,956         0.489         45.6%           13987         13967         30         551.0         0.40         Salt Creek         PVC         1,860         2,588         0.605         28.8%           13990         13981         24         409.1         0.30         Salt Creek         PVC         1,806         2,484         3,778         0.605         28.8%           13991         24         409.1         0.50         Salt Creek         PVC         1,806         2,484         3,776         0.602         28.8%           13994         13995         24	13820	13960	13959	30	568.0	1.10	Salt Creek	PVC	3,242	4,452	5,971	0.373	56.1%	4.6%		
13962         13961         30         82.9         1.20         Salt Creek         PVC         3,242         4,452         5,958         0.386         54.6%           13963         13962         30         179.7         0.80         Salt Creek         PVC         3,242         4,452         5,958         0.428         49.6%           13964         13963         30         525.1         0.40         Salt Creek         PVC         3,242         4,452         5,958         0.488         42.6%           13987         13978         24         455.9         0.10         Main Streek         PVC         5,533         7,548         3,778         0.488         42.6%           13990         13981         24         405.1         0.30         Salt Creek         PVC         1,806         2,484         3,778         0.52         33.9%           13991         13992         24         409.1         0.30         Salt Creek         PVC         1,806         2,484         3,776         0.52         38.8%           13994         13994         1.55         1.30         Salt Creek         PVC         1,806         2,484         3,776         0.428         49.6%	13821	13961	13960	30	569.7	1.10	Salt Creek	PVC	3,242	4,452	5,965	0.392	23.9%	4.9%		
13962         30         179.7         0.80         Salt Creek         PVC         3,242         4,452         5,958         0.428         49.6%           13964         13963         30         525.1         0.40         Salt Creek         PVC         3,242         4,433         5,958         0.489         42.5%           13987         13988         24         555.1         0.10         Main Street         PVC         1,545         0.595         0.408         42.5%           13990         13988         24         56.6         0.30         Salt Creek         PVC         1,806         2,484         3,778         0.562         38.9%           13991         13992         24         409.1         0.30         Salt Creek         PVC         1,806         2,484         3,778         0.562         33.9%           13992         24         409.1         0.30         Salt Creek         PVC         1,806         2,484         3,774         0.601         29.2%           13994         13992         24         515.0         1.50         Salt Creek         PVC         1,806         2,484         3,774         0.601         29.3%           13995         13994	13822	13962	13961	30	82.9	1.20	Salt Creek	PVC	3,242	4,452	5,959	0.386	54.6%	4.9%		
13964         31963         30         525.1         0.40         Salt Creek         PVC         3,242         4,453         5,956         0.489         42.5%           13987         13917         42         455.9         0.10         Main Street         PVC         5,533         7,545         9,389         0.605         28.8%           13988         24         455.9         0.10         Main Street         PVC         1,860         2,584         3,778         0.605         36.9%           13990         13989         24         60.30         Salt Creek         PVC         1,806         2,484         3,778         0.602         29.2%           13991         24         60.1         1.70         Salt Creek         PVC         1,806         2,484         3,774         0.601         29.3%           13992         24         506.1         1.70         Salt Creek         PVC         1,806         2,484         3,774         0.601         29.3%           13992         24         515.0         1.60         Salt Creek         PVC         1,806         2,484         3,776         0.602         29.3%           13995         24         515.0         1.60	13823	13963	13962	30	179.7	0.80	Salt Creek	PVC	3,242	4,452	5,958	0.428	49.6%	5.5%		
13987         13917         42         455.9         0.10         Main Street         PVC         5,533         7,545         9,389         0.605         28.8%           13988         24         566.6         0.30         Salt Creek         PVC         1,806         2,484         3,778         0.556         33.9%           13990         13989         24         24,6         0.30         Salt Creek         PVC         1,806         2,484         3,778         0.602         29.2%           13991         24         409.1         0.30         Salt Creek         PVC         1,806         2,484         3,774         0.601         29.3%           13992         13991         24         515.0         0.50         Salt Creek         PVC         1,806         2,484         3,774         0.484         3,778         0.601         29.3%           13992         24         515.0         1.50         Salt Creek         PVC         1,806         2,484         3,776         0.431         56.4%           13995         24         515.0         1.30         Salt Creek         PVC         1,806         2,484         3,776         0.421         56.4%           13996	13824	13964	13963	30	525.1	0.40	Salt Creek	PVC	3,242	4,453	5,956	0.489	42.5%	%9.9		
13989         13988         24         566.6         0.30         Salt Creek         PVC         1,860         2,558         3,874         0.536         36.9%           13990         13989         24         24.6         0.30         Salt Creek         PVC         1,806         2,484         3,778         0.652         33.9%           13991         13990         24         409.1         0.30         Salt Creek         PVC         1,806         2,484         3,778         0.602         29.2%           13992         13991         24         17.0         0.50         Salt Creek         PVC         1,806         2,484         3,774         0.601         29.3%           13992         13991         24         515.0         0.50         Salt Creek         PVC         1,806         2,484         3,774         0.601         2,484         43.1%         0.601         2,484         43.1%         0.601         2,484         43.1%         0.601         2,484         43.1%         0.601         2,484         3,774         0.601         2,484         3,774         0.601         2,484         3,751         0.422         20.4%         1,806         2,484         3,751         0.422 <td< td=""><td>13825</td><td>13987</td><td>13917</td><td>42</td><td>455.9</td><td>0.10</td><td>Main Street</td><td>PVC</td><td>5,533</td><td>7,545</td><td>688'6</td><td>0.605</td><td>28.8%</td><td>5.5%</td><td></td><td></td></td<>	13825	13987	13917	42	455.9	0.10	Main Street	PVC	5,533	7,545	688'6	0.605	28.8%	5.5%		
13990         13989         24         24.6         0.30         Salt Creek         PVC         1,806         2,484         3,778         0.502         33.9%           13991         13990         24         409.1         0.30         Salt Creek         PVC         1,806         2,484         3,778         0.602         29.2%           13992         13991         24         17.0         0.50         Salt Creek         PVC         1,806         2,484         3,774         0.601         29.3%           13994         13992         24         50.6         1.70         Salt Creek         PVC         1,806         2,484         3,774         0.601         29.3%           13995         13994         24         515.0         1.30         Salt Creek         PVC         1,806         2,484         3,750         0.428         50.4%           13998         13997         24         515.0         1.30         Salt Creek         PVC         1,806         2,484         3,756         0.428         50.4%           13998         13997         24         515.0         1.30         Salt Creek         PVC         1,715         2,359         3,731         0.418         37.54	13826	13989	13988	24	9.995	0:30	Salt Creek	PVC	1,860	2,558	3,874	0.536	36.9%	11.8%		
13991         13990         24         409.1         0.30         Salt Creek         PVC         1,806         2,484         3,778         0.602         29.2%           13992         13991         24         17.0         0.50         Salt Creek         PVC         1,806         2,484         3,774         0.601         29.3%           13993         24         506.1         1.70         Salt Creek         PVC         1,806         2,484         3,774         0.601         29.3%           13994         13993         24         515.0         0.90         Salt Creek         PVC         1,806         2,484         3,776         0.432         50.4%           13995         24         515.0         0.90         Salt Creek         PVC         1,806         2,484         3,750         0.422         50.4%           13996         24         515.0         0.90         Salt Creek         PVC         1,806         2,484         3,750         0.428         50.4%           13998         24         515.0         0.90         Salt Creek         PVC         1,806         2,484         3,751         0.41         51.8%           14000         20         569.1	13827	13990	13989	24	24.6	0:30	Salt Creek	PVC	1,806	2,484	3,778	0.562	33.9%	11.4%		
13992         13991         24         17.0         0.50         Salt Creek         PVC         1,806         2,484         3,774         0.601         29.3%           13993         13992         24         506.1         1.70         Salt Creek         PVC         1,806         2,484         3,774         0.648         43.1%         56.4%           13994         13993         24         515.0         1.60         Salt Creek         PVC         1,806         2,484         3,776         0.422         50.4%           13996         13994         24         515.0         0.90         Salt Creek         PVC         1,806         2,484         3,765         0.422         50.4%         56.1%         1.36         56.1%         9.60         56.1%         PVC         1,806         2,484         3,756         0.428         49.6%         56.1%         1.38         56.1%         9.61%         9.64%         3,756         0.428         49.6%         9.64%         3,756         0.428         49.6%         1.80         2,484         3,756         0.428         49.6%         1.80         2,484         3,756         0.428         49.6%         1.80         2,484         3,756         0.428         4	13828	13991	13990	24	409.1	0:30	Salt Creek	PVC	1,806	2,484	3,778	0.602	29.2%	13.3%		
13993         13992         24         506.1         1.70         Salt Creek         PVC         1,806         2,484         3,774         0.484         43.1%         65.4%           13994         13993         24         515.0         1.60         Salt Creek         PVC         1,806         2,484         3,776         0.371         56.4%           13995         13994         24         515.0         0.90         Salt Creek         PVC         1,806         2,484         3,756         0.422         50.4%         56.1%           13996         13995         24         515.0         1.90         Salt Creek         PVC         1,806         2,484         3,756         0.438         49.6%         78.8%           13998         13997         24         477.2         0.90         Salt Creek         PVC         1,715         2,359         0.431         56.1%         37.5%         1.041         51.8%         1.041         <	13829	13992	13991	24	17.0	0.50	Salt Creek	PVC	1,806	2,484	3,774	0.601	29.3%	14.2%		
13994         13993         24         515.0         1.60         Salt Creek         PVC         1,806         2,484         3,770         0.371         56.4%           13995         13994         24         515.0         0.90         Salt Creek         PVC         1,806         2,484         3,755         0.422         50.4%           13996         13995         24         515.0         1.30         Salt Creek         PVC         1,806         2,484         3,756         0.428         49.6%           13998         13997         24         477.2         0.90         Salt Creek         PVC         1,806         2,484         3,756         0.373         56.1%           14000         20         569.1         0.90         Salt Creek         PVC         1,715         2,359         3,531         0.51         39.5%           14001         13998         20         599.4         1.60         Salt Creek         PVC         1,715         2,359         3,531         0.514         39.5%           14001         13998         20         630.7         2.00         Salt Creek         PVC         1,715         2,359         3,531         0.516         31.3%	13830	13993	13992	24	506.1	1.70	Salt Creek	PVC	1,806	2,484	3,774	0.484	43.1%	10.8%		
13996         13994         24         515.0         0.90         Salt Creek         PVC         1,806         2,484         3,765         0.422         50.4%           13996         13995         24         515.0         1.30         Salt Creek         PVC         1,806         2,484         3,756         0.428         49.6%           13997         13996         24         515.0         1.90         Salt Creek         PVC         1,806         2,484         3,756         0.373         56.1%           13998         13997         24         477.2         0.90         Salt Creek         PVC         1,715         2,359         3,537         0.41         51.8%           14000         20         599.4         1.60         Salt Creek         PVC         1,715         2,359         3,537         0.514         39.5%           14001         20         630.7         2.00         Salt Creek         PVC         1,715         2,359         3,531         0.514         39.5%           14002         20         351.3         2.00         Salt Creek         PVC         1,715         2,359         3,531         0.515         39.4%           13065         30	13831	13994	13993	24	515.0	1.60	Salt Creek	PVC	1,806	2,484	3,770	0.371	56.4%	7.5%		
13996         13955         24         515.0         1.30         Salt Creek         PVC         1,806         2,484         3,760         0.428         49.6%         49.6%           13997         13996         24         515.0         1.90         Salt Creek         PVC         1,806         2,484         3,751         0.41         51.8%         56.1%           13998         13997         24         477.2         0.90         Salt Creek         PVC         1,715         2,359         3,531         0.51         51.8%         15.8%           14000         13998         20         599.4         1.60         Salt Creek         PVC         1,715         2,359         3,537         0.514         39.5%         1           14001         13999         20         630.7         2.00         Salt Creek         PVC         1,715         2,359         3,531         0.514         39.5%         1           14002         14001         20         351.3         1.0         Salt Creek         PVC         1,715         2,359         3,529         0.514         39.4%           13965         13964         30         263.4         0.40         Salt Creek         PVC	13832	13995	13994	24	515.0	06.0	Salt Creek	PVC	1,806	2,484	3,765	0.422	50.4%	8.8%		
13997         13966         24         515.0         1.90         Salt Creek         PVC         1,806         2,484         3,756         0.373         56.1%         76.1%           13998         13997         24         477.2         0.90         Salt Creek         PVC         1,715         2,359         3,531         0.51         51.8%         7           14000         13998         20         599.4         1.60         Salt Creek         PVC         1,715         2,359         3,531         0.514         39.5%         7           14001         13999         20         630.7         2.00         Salt Creek         PVC         1,715         2,359         3,531         0.514         39.5%         7           14002         14001         20         351.3         1.0         Salt Creek         PVC         1,715         2,359         3,531         0.515         39.4%         7           13965         13964         30         263.4         0.40         Salt Creek         PVC         1,715         2,359         0.598         41.3%         7         2,866         0.598         29.6%         7           13966         14007         30         263.4	13833	13996	13995	24	515.0	1.30	Salt Creek	PVC	1,806	2,484	3,760	0.428	49.6%	8.8%		
13998         13997         24         477.2         0.90         Salt Creek         PVC         1,806         2,484         3,751         0.41         51.8%         8           13999         14000         20         569.1         0.90         Salt Creek         PVC         1,715         2,359         3,533         0.531         37.5%           14001         13998         20         599.4         1.60         Salt Creek         PVC         1,715         2,359         3,531         0.514         39.5%           14001         13999         20         630.7         2.00         Salt Creek         PVC         1,715         2,359         3,531         0.515         39.4%           13965         13964         30         263.4         0.40         Salt Creek         PVC         1,715         2,359         3,529         0.499         41.3%           13966         14007         30         263.4         0.40         Salt Creek         PVC         3,179         4,369         5,862         0.598         29.6%           13967         30         30         413.6         0.10         Salt Creek         PVC         3,179         4,369         5,862         0.598	13834	13997	13996	24	515.0	1.90	Salt Creek	PVC	1,806	2,484	3,756	0.373	56.1%	7.4%		
13999         14000         20         569.1         0.90         Salt Creek         PVC         1,715         2,359         3,537         0.531         37.5%         37.5%           14000         13998         20         599.4         1.60         Salt Creek         PVC         1,715         2,359         3,537         0.514         39.5%           14001         13999         20         630.7         2.00         Salt Creek         PVC         1,715         2,359         3,531         0.515         39.4%           13965         13964         30         263.4         0.40         Salt Creek         PVC         3,719         4,369         5,866         0.527         38.0%           13966         14007         30         365.8         0.10         Salt Creek         PVC         3,179         4,369         5,862         0.598         29.6%           13967         30         305.8         0.10         Salt Creek         PVC         3,179         4,369         5,862         0.598         29.6%           13967         30         40.3         413.6         5,879         0.736         13.4%         13.4%	13835	13998	13997	24	477.2	06'0	Salt Creek	PVC	1,806	2,484	3,751	0.41	51.8%	8.5%		
14000         13998         20         599.4         1.60         Salt Creek         PVC         1,715         2,359         3,537         0.514         39.5%           14001         13999         20         630.7         2.00         Salt Creek         PVC         1,715         2,359         3,531         0.515         39.4%           14002         14001         20         351.3         1.10         Salt Creek         PVC         1,715         2,359         3,529         0.499         41.3%         7           13965         13964         30         263.4         0.40         Salt Creek         PVC         3,179         4,369         5,862         0.598         29.6%           13967         30         305.8         0.10         Salt Creek         PVC         3,179         4,369         5,862         0.598         29.6%           13967         30         413.6         0.10         Salt Creek         PVC         3,179         4,369         5,862         0.598         29.6%	13836	13999	14000	20	569.1	06:0	Salt Creek	PVC	1,715	2,359	3,533	0.531	37.5%	12.6%		
14001         13999         20         630.7         2.00         Salt Creek         PVC         1,715         2,359         3,531         0.515         39.4%           14002         14002         20         351.3         1.10         Salt Creek         PVC         1,715         2,359         3,529         0.499         41.3%         41.3%           13965         13964         30         263.4         0.40         Salt Creek         PVC         3,179         4,369         5,866         0.527         38.0%           13967         13968         30         411.6         5alt Creek         PVC         3,179         4,369         5,865         0.598         29.6%           13967         13966         30         411.6         5alt Creek         PVC         3,179         4,369         5,865         0.598         29.6%	13837	14000	13998	20	599.4	1.60	Salt Creek	PVC	1,715	2,359	3,537	0.514	39.5%	11.3%		
14002         14001         20         351.3         1.10         Salt Creek         PVC         1,715         2,359         3,529         0.499         41.3%         41.3%           13965         13964         30         263.4         0.40         Salt Creek         PVC         3,179         4,369         5,865         0.527         38.0%         29.6%           13967         13968         30         413.6         0.10         Salt Creek         PVC         3,179         4,369         5,859         0.598         29.6%	13838	14001	13999	20	630.7	2.00	Salt Creek	PVC	1,715	2,359	3,531	0.515	39.4%	12.1%		
13965         13964         30         263.4         0.40         Salt Creek         PVC         3,179         4,369         5,866         0.527         38.0%         7           13966         14007         30         305.8         0.10         Salt Creek         PVC         3,179         4,369         5,862         0.598         29.6%         7           13967         30         413.6         0.10         Salt Creek         PVC         3,179         4,370         5,859         0.736         13.4%	13839	14002	14001	20	351.3	1.10	Salt Creek	PVC	1,715	2,359	3,529	0.499	41.3%	11.8%		
13966         14007         30         305.8         0.10         Salt Creek         PVC         3,179         4,369         5,862         0.598         29.6%           13967         13968         30         411,6         0,10         Salt Creek         PVC         3,179         4,370         5,859         0.736         13.4%	13842	13965	13964	30	263.4	0.40	Salt Creek	PVC	3,179	4,369	5,866	0.527	38.0%	7.3%		
13967 13966 30 411.6 0.10 Salt Creek PVC 3,179 4,370 5,859 0.736 13.4%	13843	13966	14007	30	305.8	0.10	Salt Creek	PVC	3,179	4,369	5,862	0.598	29.6%	7.8%		
	13844	13967	13966	30	411.6	0,10	Salt Creek	PVC	3,179	4,370	5,859	0.736	13.4%	10.7%		

T-2. 2050 PWWF Model Result with Existing Pipeline Conditions and Village 13 and 14 Flows Added

	<10%	Capacity Remaining																							r — i																	
	Existing	CIP																																								
	Capacity	Used by Project	2.2%	3.9%	3.9%	%0:0	15.0%	%0:0	%0:0	%0:0	%0:0	10.5%	11.8%	8.9%	9.5%	8.6%	27.3%	29.5%	20.2%	12.0%	16.8%	15.9%	12.5%	2.6%	2.5%	2.6%	2.8%	2.9%	2.8%	2.6%	2.6%	2.9%	2.6%	2.8%	5.4%	2.5%	2.8%	2.6%	3.1%	3.1%	1.9%	2.5%
Hydraulic	Capactiv	Remaining (%)	%9'59	20.0%	51.2%	71.0%	37.9%	83.7%	79.9%	76.9%	76.9%	52.1%	47.1%	58.1%	57.1%	60.1%	18.1%	11.4%	35.8%	26.4%	42.1%	45.3%	48.0%	28.5%	28.7%	76.9%	76.5%	26.1%	27.5%	27.9%	28.2%	76.6%	28.8%	28.0%	27.3%	76.7%	76.9%	76.6%	39.1%	37.1%	56.4%	47.9%
	PWWF	Q/p	0.292	0.425	0.415	0.203	0.435	0.114	0.141	0.162	0.162	0.407	0.45	0.356	0.365	0.339	969.0	0.753	0.546	0.371	0.492	0.465	0.442	0.608	909.0	0.621	0.625	0.628	0.616	0.613	0.61	0.624	0.605	0.612	0.618	0.623	0.621	0.624	0.518	0.535	0.371	0.443
6	PWWF	(mdg)	8,691	8,274	8,269	107	109	48	51	98	87	1,290	1,293	1,296	1,301	1,303	2,523	2,494	2,475	2,487	2,486	2,484	2,484	9,412	9,421	9,460	9,459	9,455	9,482	9,464	9,473	9,449	9,430	9,440	9,831	9)206	9,488	9,499	13,973	13,971	13,977	13,973
	PDWF	(mdg)	6,892	6,559	6,559	29	- 69	47	48	59	59	853	853	853	856	856	1,585	1,586	1,587	1,592	1,592	1,592	1,592	7,549	7,548	7,552	7,552	7,553	7,551	7,552	7,552	7,547	7,548	7,548	7,788	7,563	7,553	7,559	10,881	10,881	10,883	10,881
	ADWF	(mdg)	5,049	4,803	4,803	49	49	34	36	42	43	620	620	620	622	622	1,153	1,153	1,153	1,158	1,158	1,158	1,158	5,537	5,537	5,541	5,541	5,541	5,541	5,541	5,541	5,537	5,537	5,537	5,737	5,551	5,543	5,548	8,025	8,024	8,026	8,025
0	Pine	Material	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC
almost Market Ma		Basin	Main Street	Salt Creek		Main Street			Main Street	Main Street	Main Street	Main Street																														
		Slope (%)	1.20	0:30	0:30	3.10	08'0	3.00	3.80	2.10	3.00	2.10	1.10	1.00	1.00	1.00	0.40	0.40	0.40	8.00	1.60	1.20	2.60	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.40	0.50	1.10	1.40
	Length	( <del>L</del>	353.5	302.4	123.1	336.7	406.8	313.1	392.6	362.8	375.7	209.4	234.4	399.0	298.1	295.6	316.2	566.9	381.8	188.6	291.4	274.4	31.4	0.009	0.009	73.2	265.4	73.2	0.009	199.4	0.009	0.009	0.009	598.1	955.5	146.8	268.5	331.5	78.0	26.3	204.4	22.6
	Existing	Diameter (in)	42	42	42	10	10	10	10	10	10	15	15	18	18	18	18	18	18	18	18	18	18	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
		To MH	13922	13932	14005	13115	13117	13160	13161	13162	13114	9105	13142	13143	13144	13878	14032	14031	14030	14029	14028	14027	13902	14228	14220	13914	13915	14224	14227	14225	14226	14223	14221	14222	14235	14211	14213	14212	14071	14215	14214	14070
		From MH	14004	14005	14006	13114	13115	13159	13160	13161	13162	13140	13141	13142	13143	13144	14033	14032	14031	14030	14029	14028	14027	13916	14228	13915	14224	14223	14226	13914	14225	14222	14220	14221	14211	14212	14227	14213	14215	14216	14070	14071
		<u>e</u>	13845	13846	13847	15319	15320	15366	15367	15369	15370	15420	15421	15422	15423	15424	15859	15860	15861	15862	15863	15864	15866	15897	15898	15899	15900	15901	15902	15903	15904	15905	15906	15907	15908	15909	15910	15912	15913	15914	15915	15916

T-2. 2050 PWWF Model Result with Existing Pipeline Conditions and Village 13 and 14 Flows Added

<10%	Capacity Remaining																																		YES	YES				YES	
Existing	Planned																																YES								
- 12 To 1	Used by Project	7.8%	3.3%	3.5%	3.3%	3.3%	3.5%	7.6%	1.9%	2.2%	2.1%	2.4%	7.9%	3.4%	2.5%	2.9%	4.5%	4.9%	%8.6	%9.6	17.4%	11.4%	11.9%	13.8%	11.1%	10.1%	8.4%	14.2%	17.6%	17.1%	16.8%	17.3%	%0:0	%0:0	%0:0	%0:0	%0:0	%0:0	%0:0	0.0%	0.0%
Hydraulic Capactiy	Remaining (%)	43.3%	33.1%	32.0%	36.6%	33.5%	28.2%	44.7%	28.6%	54.5%	54.5%	54.6%	34.4%	33.5%	46.9%	45.6%	30.2%	28.2%	55.4%	25.6%	29.3%	56.1%	25.9%	20.8%	61.5%	%9.99	72.6%	26.0%	46.2%	48.0%	49.1%	47.5%	40.0%	35.4%	8.7%	1.1%	18.7%	52.1%	45.6%	6.9%	12.1%
PWWF	Q/p	0.482	0.569	0.578	0.539	0.565	0.61	0.47	0.352	0.387	0.387	0.386	0.558	0.565	0.451	0.462	0.593	0.61	0.379	0.377	0.601	0.373	0.375	0.418	0.327	0.284	0.233	0.374	0.457	0.442	0.433	0.446	0.42	0.452	0.639	0.692	0.569	0.335	0.381	0.652	0.615
PWWF	(gpm)	13,937	13,970	13,963	13,957	13,954	13,952	13,951	13,946	13,941	13,940	13,938	13,937	13,960	13,936	9,851	9,845	9,840	1,286	1,289	1,090	1,088	1,048	1,046	1,004	930	929	928	917	915	910	913	366	381	1,171	1,220	1,221	1,223	1,267	1,269	1,271
PDWF	(mdg)	10,878	10,881	10,880	10,879	10,879	10,879	10,879	10,878	10,878	10,878	10,878	10,878	10,879	10,878	7,788	7,788	7,788	853	853	708	708	670	029	637	599	599	599	595	595	595	595	304	312	1,070	1,117	1,117	1,117	1,160	1,160	1,160
ADWF	(gpm)	8,065	8,028	8,044	8,070	8,088	8,089	8,117	8,168	8,230	8,272	8,244	8,093	8,053	8,018	5,737	5,737	5,737	620	620	514	514	487	487	463	436	436	436	433	433	433	433	221	227	775	808	808	808	839	839	839
Pipe	Material	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC																
Pipe ADWF PDWF PWWF Capactiy	Basin	Main Street	Salt Creek	Salt Creek		Salt Creek																																			
	Siope (%)	0.40	0.20	0:30	0.40	0.20	0.70	1.60	1.40	1.30	1.20	1.40	0.70	0:30	1.50	0.10	0.10	0.10	2.10	2.30	1.20	2.20	1.20	06.0	2.00	14.30	5.40	0.70	09.0	09.0	0.70	09.0	1.10	1.00	1.00	06.0	1.50	10.10	8.10	1.10	1.30
Length		46.7	400.3	133.4	177.3	129.1	18.1	298.6	298.6	83.8	8.06	63.8	19.2	176.3	268.5	400.0	289.7	567.9	276.7	398.1	336.9	400.5	381.1	410.5	108.0	107.3	304.5	395.4	333.6	392.8	107.6	402.1	248.3	288.6	82.0	383.8	400.5	261.2	349.3	369.9	350.6
Existing	Diameter (in)	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	15	15	15	15	15	15	15	15	15	15	15	15	15	15	10	10	12	12	12	12	12	12	12
	HW O	14114	14216	14218	14232	14099	14219	14103	14229	14230	14231	14113	14217	14097	14115	14116	14233	14234	13139	13140	13138	13137	13136	13135	13347	13131	13130	13123	13122	13120	13118	13119	15058	15066	15056	15059	15067	15060	15061	15062	15063
	From MH	14217	14218	14097	14099	14219	14103	14229	14230	14231	14113	14114	14115	14232	14116	14233	14234	14235	13385	13139	13137	13136	13135	13134	13131	13130	13123	13122	13120	13119	13117	13118	15046	15058	15066	15056	15059	15067	15060	15061	15062
	2	15917	15918	15919	15920	15921	15922	15923	15924	15925	15926	15927	15928	15929	15930	15931	15932	15933	16314	16315	16316	16317	16318	16319	16320	16321	16322	16323	16324	16325	16326	16327	16461	16462	16463	16464	16465	16476	16477	16478	16479

T-2, 2050 PWWF Model Result with Existing Pipeline Conditions and Village 13 and 14 Flows Added

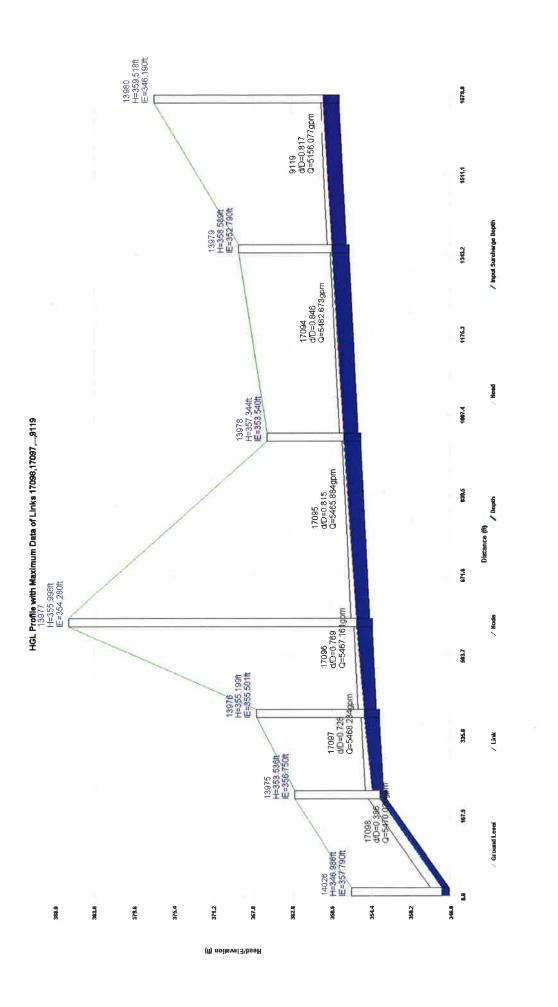
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<10% Capacity Remaining			YES																																					
Existing CIP Planned	YES	YES	YES																																				YES	YES
Capacity Used by Project	%0.0	%0.0	%0:0	8.2%	7.8%	13.4%	15.2%	9.3%	2.5%	1.8%	1.8%	7.6%	7.6%	1.9%	1.8%	1.9%	2.2%	2.1%	2.5%	3.6%	2.9%	2.4%	2.4%	2.2%	2.4%	2.1%	2.1%	2.2%	2.7%	7.6%	2.6%	3.3%	3.6%	2.1%	7.6%	19.2%	12.8%	13.5%	%0:0	%0:0
Hydraulic Capactiy Remaining (%)	45.7%	47.3%	7.3%	58.4%	28.0%	21.6%	11.8%	51.3%	46.5%	58.5%	57.4%	43.9%	44.5%	26.5%	58.8%	26.5%	20.5%	20.6%	46.7%	28.0%	38.7%	46.9%	46.8%	20.0%	47.6%	50.1%	52.2%	47.9%	41.5%	43.6%	44.0%	31.6%	21.8%	48.8%	36.5%	41.6%	57.9%	56.4%	38.4%	39.3%
PWWF d/D	0.38	0.369	0.649	0.354	0.357	999.0	0.75	0.414	0.455	0.353	0.362	0.477	0.472	0.37	0.35	0.37	0.421	0.42	0.453	0.612	0.521	0.451	0.452	0.425	0.445	0.424	0.406	0.443	0.497	0.479	0.476	0.581	0.665	0.435	0.54	0.496	0.358	0.371	0.431	0.425
PWWF (gpm)	1,272	1,273	1,275	3,525	3,525	3,526	3,526	3,527	13,989	13,997	14,001	14,010	14,021	14,033	14,047	14,048	14,056	14,065	14,066	14,095	14,106	14,116	14,127	14,128	14,133	14,144	14,155	14,170	14,171	14,173	14,182	14,188	14,192	15,924	15,942	2,228	2,223	2,217	695	694
PDWF (gpm)	1,160	1,160	1,160	2,359	2,359	2,359	2,359	2,359	10,883	10,883	10,886	10,888	10,889	10,891	10,895	10,895	10,896	10,896	10,897	10,905	10,906	10,907	10,909	10,909	10,910	10,911	10,912	10,917	10,917	10,918	10,918	10,918	10,919	12,258	12,258	1,494	1,491	1,489	673	673
ADWF (gpm)	839	839	839	1,715	1,715	1,715	1,715	1,715	8,024	8,024	8,026	8,027	8,027	8,029	8,032	8,032	8,032	8,033	8,033	8,040	8,041	8,041	8,042	8,042	8,043	8,044	8,045	8,049	8,049	8,049	8,049	8,049	8,051	9,054	9,054	1,086	1,084	1,083	490	491
Pipe Material	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC								
Existing Length Slope (%) Basin Pipe ADWF PDWF PWWF Capactiy (ft.) (ft.)	Salt Creek	Main Street			Salt Creek																																			
Slope (%)	08.9	10.30	1.10	3.40	7.50	1.70	0.40	6.40	0.40	1.40	1.30	1.10	0:30	1.20	1.20	2.00	0.70	0.70	0.70	0.20	0.20	08.0	0.50	08.0	09.0	09.0	06.0	0.70	0.50	0.40	09.0	0.30	0:30	2.60	0.40	3.20	3.00	2.60	1.90	2.10
Length (ft.)	350.0	225.0	336.9	112.6	14.4	156.5	40.4	94.7	544.2	499.2	32.9	507.5	0.009	590.0	585.0	47.3	510.7	474.3	71.1	0.009	0.009	0.009	0.009	45.0	254.1	0.009	0.009	575.0	51.2	164.2	535.6	386.8	92.9	211.0	1127.4	304.5	182.5	149.8	14.7	211.8
Existing Diameter (in)	12	12	12	21	21	21	21	20	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	18	18	18	12	12
ТоМН	15065	15064	15069	14012	14013	14014	14025	14010	15114	14069	14068	14067	14066	14082	14077	14065	14072	14073	14095	14129	14128	14127	14126	14125	13912	14117	14120	14122	14121	14123	14119	14124	TWY_MH_d	14118	UTFALL_919	14039	14040	14041	15066	15288
From MH	15063	15065	15064	13902	14012	14013	14014	14025	14074	15114	14069	14068	14067	14066	14082	14077	14065	14072	14073	13911	14129	14128	14127	14126	14125	13912	14117	14120	14122	14121	14123	14119	14124	14003	14118	14040	14041	13849	15288	15289
Q	16480	16481	16482	16492	16493	16494	16495	16496	16543	16544	16545	16546	16547	16548	16549	16550	16551	16552	16553	16555	16556	16557	16558	16559	16560	16561	16562	16563	16564	16565	16566	16567	16568	16569	16570	16749	16751	16753	16807	16808

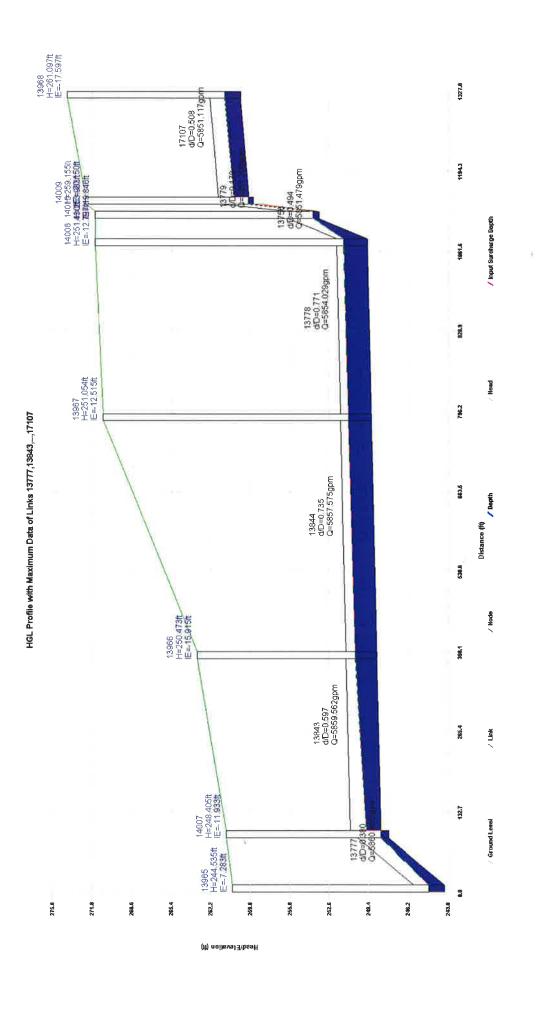
T-2. 2050 PWWF Model Result with Existing Pipeline Conditions and Village 13 and 14 Flows Added

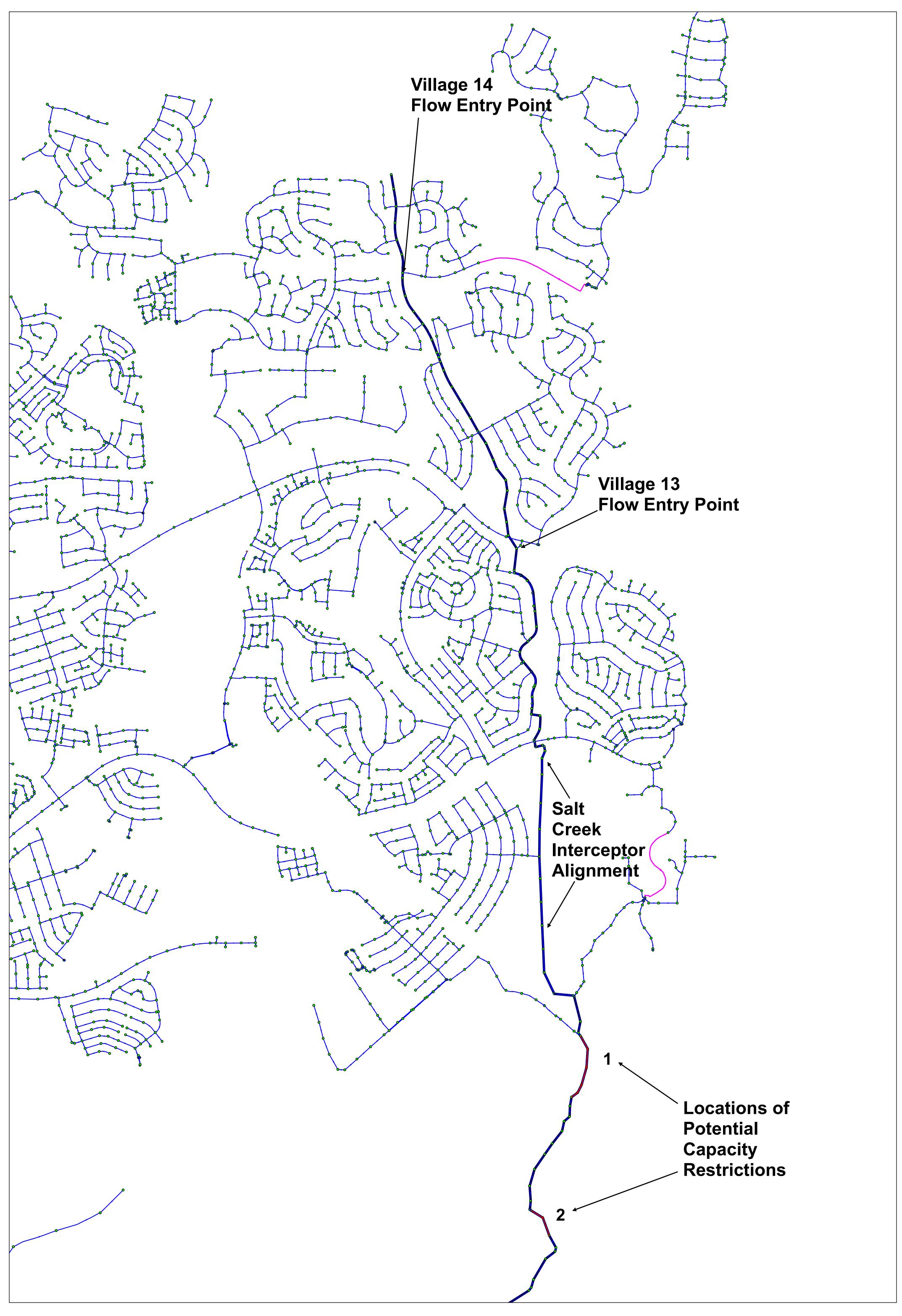
	<10% Capacity Remaining			YES	YES	YES	YES																					YES													
	Existing CIP Planned	YES		YES												ą.			YES	YES																	_				
	Capacity Used by Project	%0:0	20.9%	0.3%	18.9%	16.8%	14.8%	11.3%	5.4%	5.2%	5.1%	4.8%	4.2%	4.4%	2.6%	6.7%	7.9%	6.7%	%0.0	%0:0	26.4%	2.1%	2.6%	2.5%	28.7%	12.0%	11.3%	18.7%	72.6%	2.4%	%0:0	%0.0	%0.0	%0:0	%0.0	%0.0	0.0%	%0.0	%0.0	%0:0	òò
Hydraulic	Capactiy Remaining (%)	38.9%	31.2%	-18.3%	0.5%	4.1%	9.5%	14.4%	54.6%	25.5%	26.6%	59.1%	61.4%	58.7%	49.6%	42.2%	32.4%	40.2%	41.0%	20.3%	21.1%	53.8%	47.3%	45.4%	10.8%	46.8%	43.5%	3.9%	14.0%	40.9%	68.1%	69.5%	%9.69	%9:09	51.4%	20.9%	52.7%	67.2%	70.7%	%0.99	, 20
	PWWF d/D	0.428	0.585	0.828	0.846	0.815	0.769	0.728	0.386	0.378	0.369	0.348	0.328	0.351	0.428	0.491	0.575	0.508	0.413	0.558	0.671	0.393	0.448	0.464	0.758	0.452	0.48	0.817	0.731	0.502	0.271	0.259	0.258	0.335	0.413	0.417	0.402	0.279	0.205	0.238	017.0
	PWWF (gpm)	694	1,305	1,278	5,463	5,466	5,467	5,469	5,471	5,473	5,481	5,483	5,486	5,841	5,844	5,847	5,850	5,852	1,275	1,277	2,311	14,075	14,084	13,980	2,239	1,292	3,878	5,159	2,239	15,915	328	268	268	267	653	653	653	326	93	93	
	PDWF (gpm)	673	856	1,160	4,017	4,016	4,015	4,015	4,015	4,015	4,022	4,022	4,022	4,373	4,373	4,373	4,372	4,372	1,160	1,160	1,526	10,898	10,904	10,883	1,496	853	2,558	3,716	1,496	12,252	328	268	268	267	653	653	653	326	93	93	1
	ADWF (gpm)	493	622	839	2,917	2,917	2,917	2,917	2,917	2,917	2,922	2,922	2,922	3,179	3,179	3,179	3,179	3,179	839	839	1,110	8,034	8,039	8,026	1,087	620	1,860	2,700	1,087	9,049	240	203	200	196	475	481	475	238	70	29	1
	Pipe Material	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC												İ																		
	Basin	Salt Creek	Sait Creek	Sait Creek	Salt Creek				Main Street		Salt Creek	Salt Creek	Sait Creek																												
	Slope (%)	1.00	2.50	09:0	0,20	0,20	0.20	0.30	3.30	3.10	3.90	4.10	6.30	5.30	4.30	1.40	1.50	0.40	5.10	3.90	0.40	0.70	2.50	1.10	0.00	1.30	8.40	0.20	0.50	0.20	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	
	Length (ft.)	399.9	336.8	174.0	406.7	400.0	187.4	164.5	200.0	231.3	154.2	220.5	348.9	283.3	400.0	377.9	328.1	177.3	128.1	393.6	303.9	455.3	144.7	135.8	72,5	313.7	84.6	320.7	316.2	602.4	865.7	844.9	936.1	897.4	1349.9	1211.3	1027.2	4295.4	0.607	1041.9	
The State of the S	Existing Diameter (in)	12	15	12	24	24	24	24	24	24	24	24	24	24	24	24	24	30	12	12	18	42	42	42	18	15	24	24	18	42	15	15	15	15	15	15	15	15	12	12	
	ТоМН	15289	9123	13980	13978	13977	13976	13975	14026	13974	13973	13972	13971	13985	13970	13969	13968	14009	15542	15538	14035	15953	13911	14074	13881	13141	13980	13979	13847	14003	IECMH36	IECMH40	IECMH42	IECMH44	IECMH46	IECMH48	13922	14004	IECMH56	IECMH26	
1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	From MH	15287	13878	15538	13979	13978	13977	13976	13975	14026	13974	13973	13972	13971	13985	13970	13969	13968	15069	15542	13881	14095	15953	14214	13847	9105	9124	13980	14038	TWY MH O	IECMH30	IECMH10	IECMH40	IECMH42	IECMH44	IECMH46	IECMH48	IECMH36	IECMH50	IECMH56	
N-STORES	Ω	16809	17086	17093	17094	17095	17096	17097	17098	17099	17100	17101	17102	17103	17104	17105	17106	17107	17111	17112	17528	17549	17550	606	9101	9110	9118	9119	9182	CDT-59	IECGM101	IECGM107	IECGM109	IECGM111	IECGM113	IECGM115	IECGM117	IECGM119	IECGM121	IECGM127	100

T-2. 2050 PWWF Model Result with Existing Pipeline Conditions and Village 13 and 14 Flows Added

						)0	20			20					
Q	From MH To MH	CHARLES THE	Existing Diameter (in)	Length (ft.)	Slope (%)	Basin	Pipe Material	ADWF (gpm)	PDWF (gpm)	PWWF (gpm)	PWWF d/D	Hydraulic Capactiy Remaining (%)	Capacity Used by Project	Existing CIP Planned	<10% Capacity Remaining
IECGM89	ECGM89   IECMH28   IECMH22	IECMH22	15	1933.6	0.40			148	203	203	0.224	73.6%	%0.0		
IECGM91	ECGM91   IECMH22   IECMH30	IECMH30	15	1167.2	0.40			238	328	328	0.25	70.6%	%0:0		







Salt Creek Interceptor Potential Capacity Restrictions