

CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SUMMARY SHEET - WATER

Revised September 17, 2021

Criteria #	Scoring	Project										
		2322	2568	7032	2603	2504	6962	2602	2182	2373	2550	2604
		David Way Pump Station	LWW TP Upgrades	Hemphill Diversion Structure	Banner Tank Isolation Valves	Ramp Repair Main Office	Christian Life Way	D/S Canal Shotgun Culverts	North Day Road Pipeline	Pet Hill Extension	Sugarloaf Reservoir	Alta Hill Reservoir
1. Capital Costs	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	8	8	8	5	8	7	5	5	5	8	8
2. Annual Operation and Maintenance Costs	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	8	6	4	5	5	7	6	6	5	8	8
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	6	5	5	5	5	5	5	5	7	5	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	9	9	6	9	10	7	8	7	5	8	5
5. Environmental	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5	5	10	5	5	3	5	5	5	3	4
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	6	9	8	9	5	5	10	5	5	0	1
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	7	8	5	7	5	5	2	4	1	1	1
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	7	7	9	7	5	7	5	7	5	7	7
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5	5	5	5	5	5	5	5	5	5	5
10. New Capital Asset will have associated revenue that offsets maintenance cost	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	2	0	0	0	0	0	0	0	3	0	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	8	5	5	5	5	6	6	6	6	5	5
Max Score: 100	TOTAL PRIORITIZATION SCORE	71	67	65	62	58	57	57	55	52	50	49



2022 Annual Budget

Project Name: David Way Pump Station **Project No.:** 2322

Dept. 10151-Engineering Program: 52915-Non-Programmatic Priority Ranking: 71

Facility: E. George Facility #: 10313 Division #: Div 3

Project Manager: Adrian Schneider Constructed by: To be determined

New Construction: Replacement: Upgrades: Multiple Phases: _____

CEQA: Exemption Permits: _____ ROW: _____

Project Purpose: (Problem Statement)

The pump station is badly deteriorated (built in 1969), has exceeded its life expectancy, lacks fire flow capabilities and a back-up pump. The station has a single pump that serves both domestic demands and fire flows.

Project Description: (Proposed Solution)

Install a new pre-manufactured pump station with separate pumps for domestic demand and fire flow and to have two pumps to provide redundancy to the domestic demands.

Basis for Priority:

Health and Safety as well as lower operation and maintenance costs.

Project Financial Summary:

Project Estimate: 487,475 Total Spent to Date: _____ Current Year Budget: 412,475

Anticipated Expenses to End of Year: 412,475 Amount Remaining in Current Year Budget: 0

Expenditures:

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction	412,475		75,000					487,475
Right of Way								0
Other:	0							0
Total:	412,475	0	75,000	0	0	0	0	487,475

Funding Sources

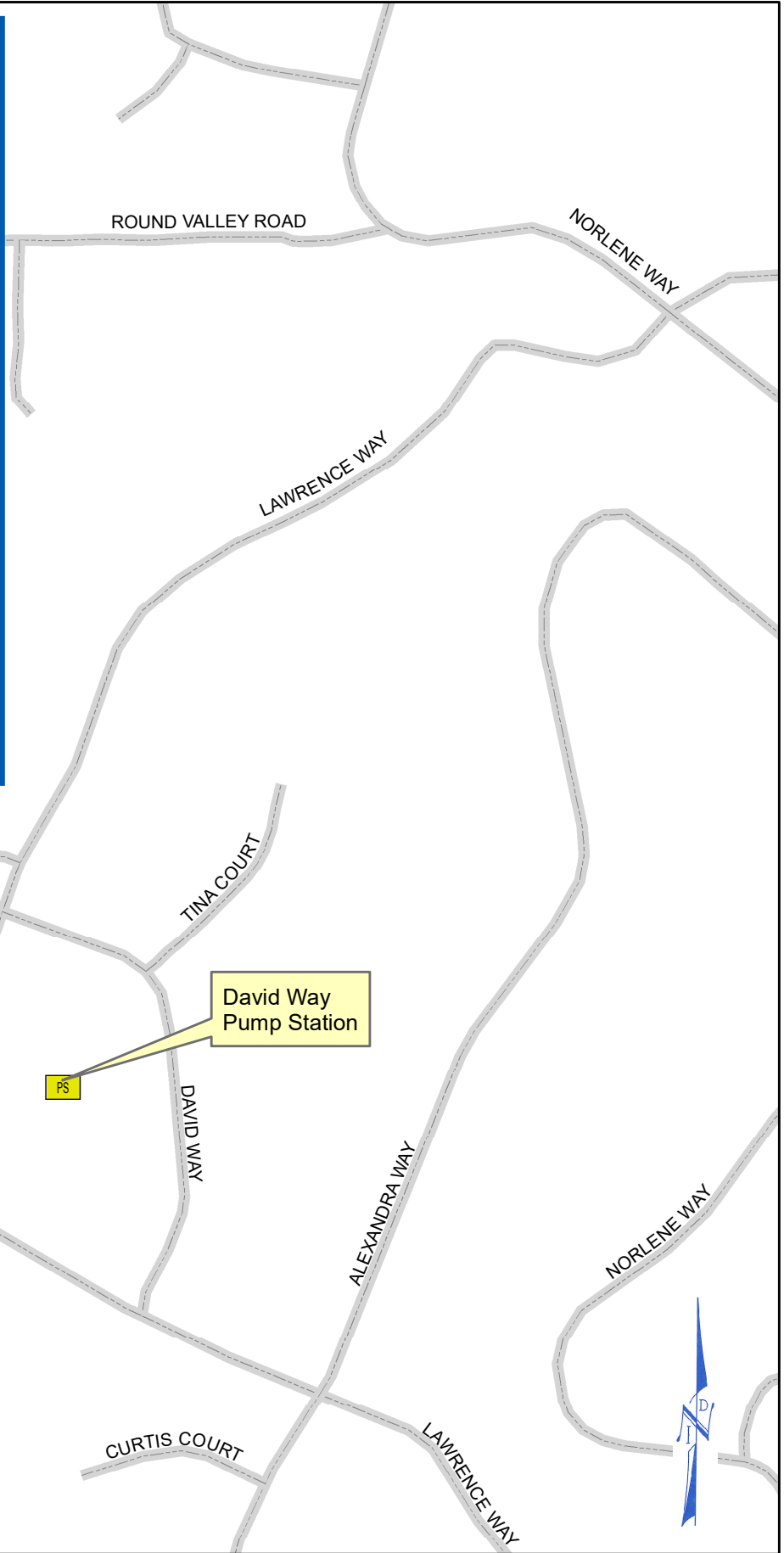
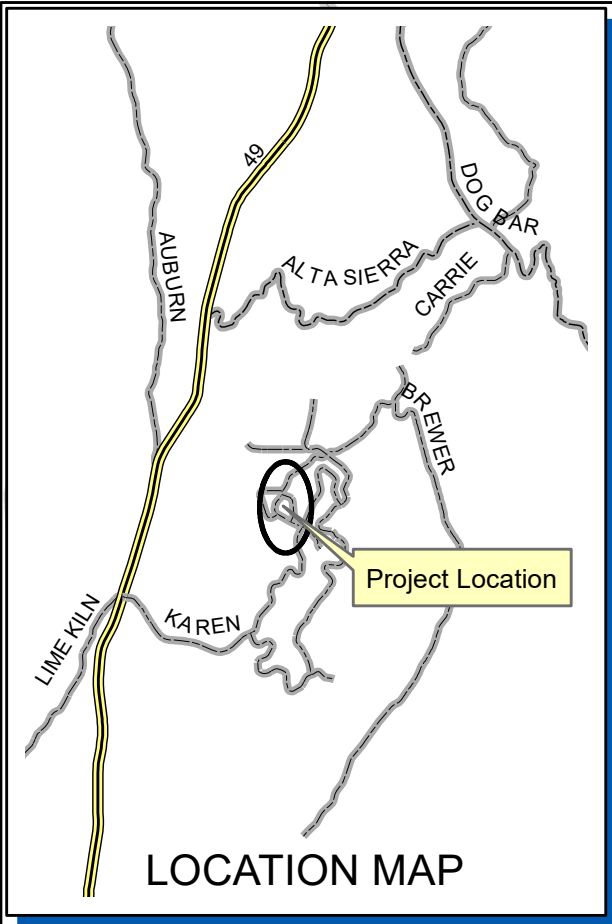
Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Water Fund - 10	412,475		75,000					487,475
								0
								0
Total:	412,475	0	75,000	0	0	0	0	487,475

Notes:

CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: David Way Pump Station Project No.: 2322

Criteria #	Scoring	Project
1. Capital Costs	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	8
2. Annual Operation and Maintenance Costs	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	8
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	6
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	9
5. Environmental	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	6
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	7
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	7
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associated revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	2
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	8
Max Score: 100		Total Prioritization Score 71



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DAVID WAY PUMP STATION



Date: 9/9/2021
 Drawn By: D. HUNT

NEVADA IRRIGATION DISTRICT
 NEVADA COUNTY -- PLACER COUNTY
 GRASS VALLEY, CALIFORNIA

Scale: NO SCALE
 Sheet: 1 of 1



Existing pump station building, white pressure tank, generator and storage tank, northeast view



Existing pump station building, pressure tank, and storage tank from entrance, south view



2022 Annual Budget

Project Name: Lake Wildwood TP Upgrades Project No.: 2568

Dept. 10151-Engineering Program: 52915-Non-Programmatic Priority Ranking: 67

Facility: Lakewildwood Treatment Plant Facility #: 10305 Division #: Div 5

Project Manager: Doug Hobbs Constructed by: To be determined

New Construction: Replacement: Upgrades: Multiple Phases: Yes

CEQA: Exemption Permits: _____ ROW: _____

Project Purpose: (Problem Statement)

Backwash pumps need replacing. Also both pumps are not available if one clearwell is out of service. This will only be fixed with plumbing improvements like a common pump header system with valves. Also install new under drains in drying ponds to improve efficiencies.

Project Description: (Proposed Solution)

Replace backwash pumps and install common pump header system with valves. Install new under drains and splitter box, shotcrete berms and ramp.

Basis for Priority:

Impacts to health and safety and treatment plant operation/efficiencies.

Project Financial Summary:

Project Estimate: 550,000 Total Spent to Date: _____ Current Year Budget: _____

Anticipated Expenses to End of Year: _____ Amount Remaining in Current Year Budget: _____

Expenditures:

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction			350,000	200,000				550,000
Right of Way								0
Other:								0
Total:	0	0	350,000	200,000	0	0	0	550,000

Funding Sources

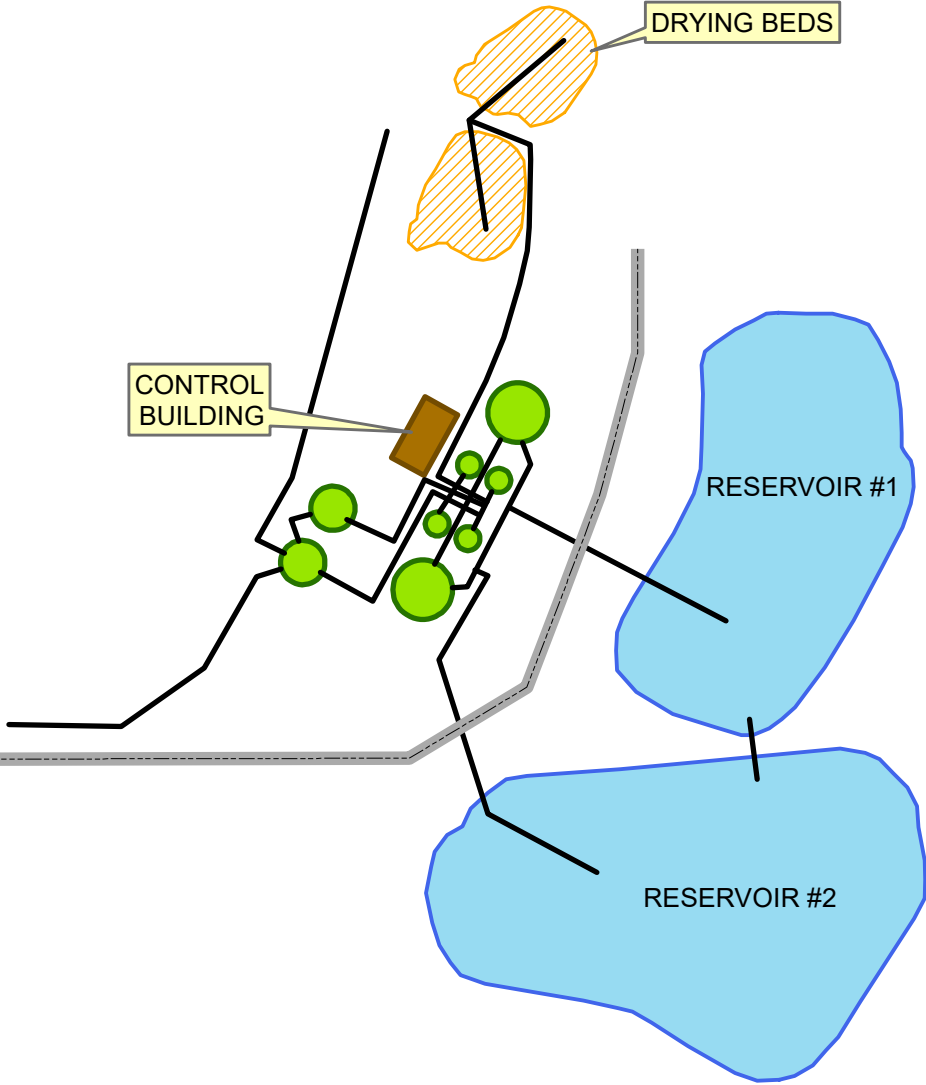
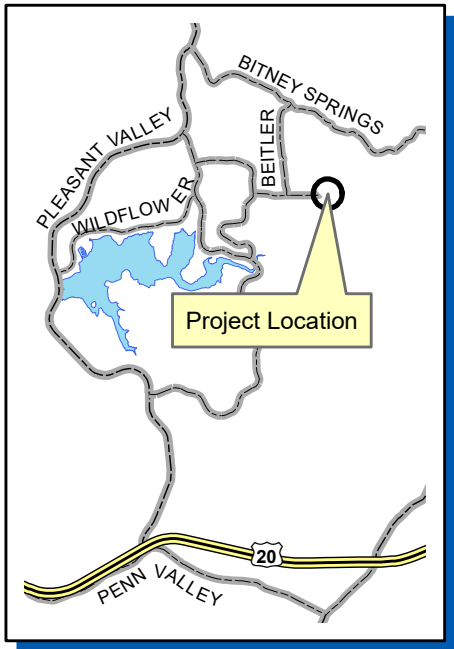
Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Water Fund - 10			350,000	200,000				550,000
								0
								0
Total:	0	0	350,000	200,000	0	0	0	550,000

Notes:

CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: Lake Wildwood TP Upgrades Project No.: 2568

Criteria #	Scoring	Project
1. Capital Costs	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	8
2. Annual Operation and Maintenance Costs	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	6
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	9
5. Environmental	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	9
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	8
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	7
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associated revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score: 100	Total Prioritization Score	67



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NEVADA IRRIGATION DISTRICT

NEVADA COUNTY -- PLACER COUNTY
GRASS VALLEY, CALIFORNIA

LAKE WILDWOOD TREATMENT PLANT

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Drawn By: D. HUNT

Date: 9/16/2021

Scale: NO SCALE

Sheet: 1 of 1





2022 Annual Budget

Project Name: Hemphill Diversion Structure Project No.: 7032

Dept. 10151-Engineering Program: 52915-Non-Programmatic Priority Ranking: 65

Facility: Hemphill Canal Facility #: 10506 Division #: Div 4

Project Manager: Tonia Tabucchi Herrera Constructed by: Contractor

New Construction: Replacement: Upgrades: Multiple Phases: No

CEQA: EIR Permits: PCCP, Multiple ROW: TCE

Project Purpose: (Problem Statement)

The Hemphill Diversion is an impediment to the passage of migrating fish that spawn in Auburn Ravine. The impediment needs to be eliminated while maintaining water deliveries to customers served by this canal.

Project Description: (Proposed Solution)

Alternative 2 is the approved project, which includes the removal of the diversion structure, site stabilization, and construction of a nature-like roughen rock ramp in-stream fish passage, installation of a fish screen, and improvements to a portion of the Hemphill Canal. The EIR was adopted by the Board on July 28, 2021

Basis for Priority:

Regulatory, Terms of Water Audit Settlement

Project Financial Summary:

Project Estimate: 4,425,000 Total Spent to Date: 888,153 Current Year Budget: 300,000

Anticipated Expenses to End of Year: 400,000 Amount Remaining in Current Year Budget: 166,277

Expenditures:

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies	398,224	11,321						409,545
Design/Engineering								0
Permitting/CEQA	408,892	6,242						415,134
Construction			4,000,000					4,000,000
Right of Way			25,000					25,000
Other: Legal	63,474							63,474
Total:	870,590	17,563	4,025,000	0	0	0	0	4,913,153

Funding Sources

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Water Fund - 10	685,193	17,564	4,025,000					4,727,757
DFW Grant	177,042							177,042
								0
Total:	862,235	17,564	4,025,000	0	0	0	0	4,904,799

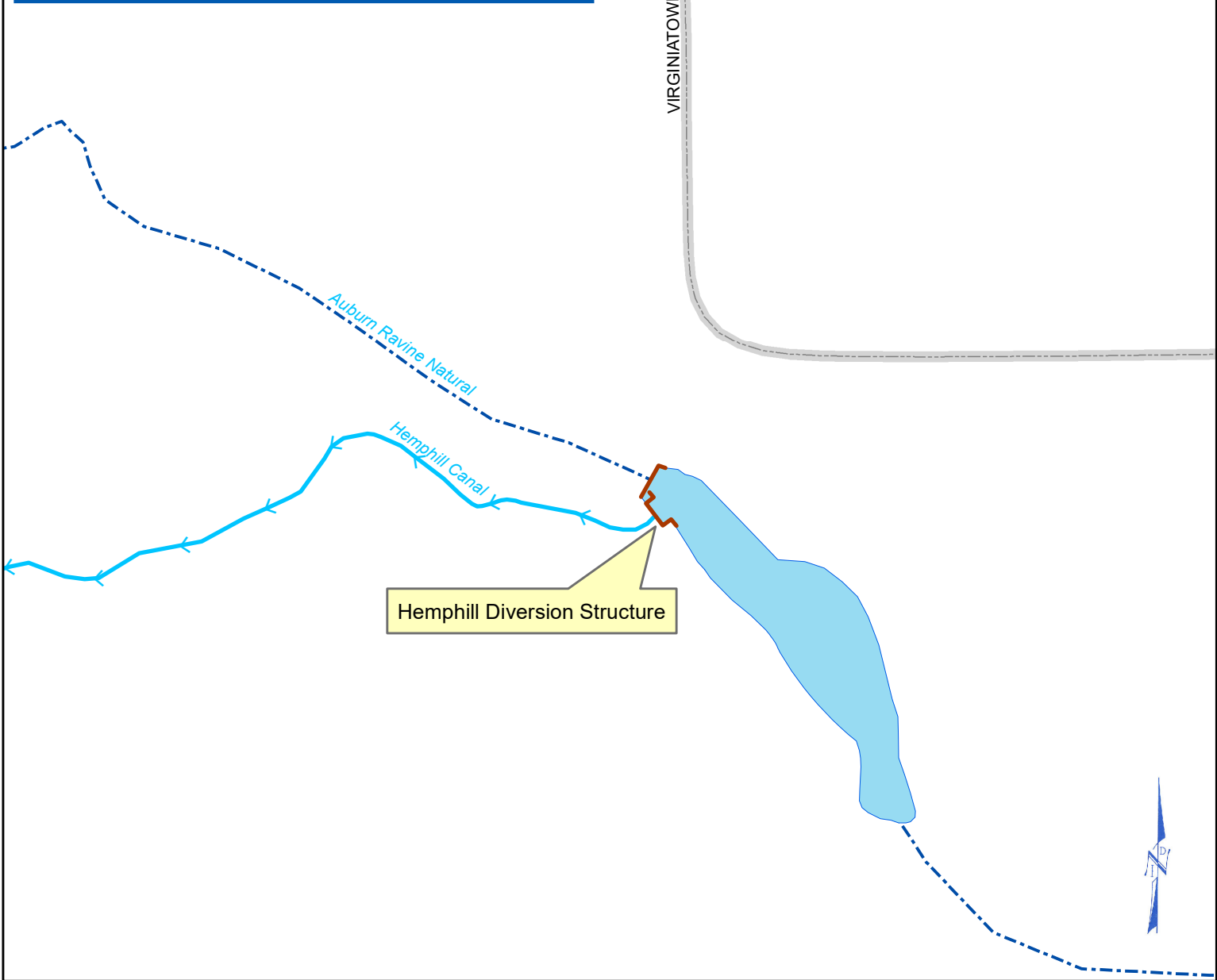
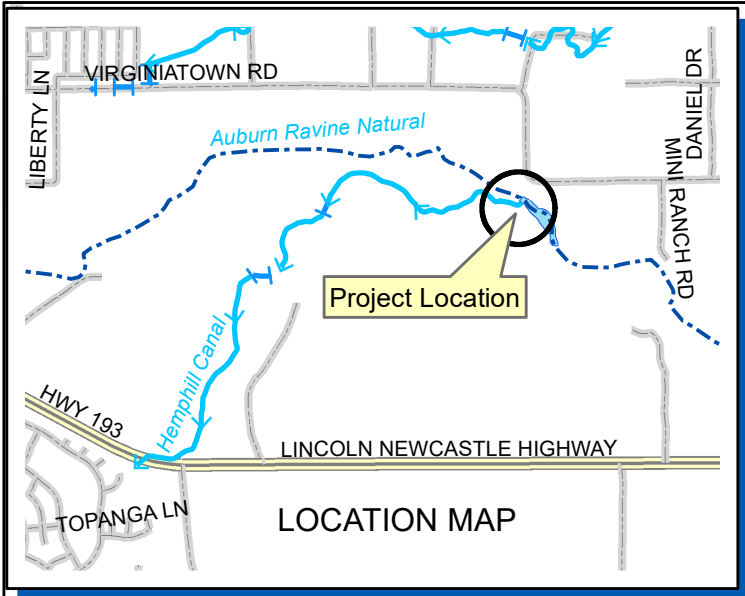
Notes:

Task Order 5 for ECORP \$19,500. Permitting Support \$75,000., Design Contract \$294,166 = \$388,666

CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: Hemphill Diversion Structure Project No.: 7032

Criteria #	Scoring	Project
1. Capital Costs	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	8
2. Annual Operation and Maintenance Costs	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	4
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	6
5. Environmental	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	10
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	8
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	5
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	9
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associated revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score: 100	Total Prioritization Score	65



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HEMPHILL DIVERSION STRUCTURE



Date: 9/9/2021
 Drawn By: D. HUNT

NEVADA IRRIGATION DISTRICT
 NEVADA COUNTY -- PLACER COUNTY
 GRASS VALLEY, CALIFORNIA

Scale: NO SCALE
 Sheet: 1 of 1





2022 Annual Budget

Project Name: Banner Tank Isolation Valves Project No.: 2603

Dept. 10151-Engineering Program: 52915-Non-Programmatic Priority Ranking: 62

Facility: E. George Facility #: 10313 Division #: .

Project Manager: Doug Hobbs Constructed by: To be determined

New Construction: Replacement: Upgrades: Multiple Phases: _____

CEQA: Exemption Permits: _____ ROW: _____

Project Purpose: (Problem Statement)

The Taylor tank cannot be isolated for longer that 24-48 hours for maintenance/repairs as there is no isolation valve to keep the Banner Taylor pumps in water. Additionally, there is no influent isolation valve to Taylor Tank and cannot get chlorine contact time when using the old bypass pipe.

Project Description: (Proposed Solution)

Install new isolation valves and bypass line. The bypass line would be a 24 inch pipe and valves. Due to limited room where the influent isolation valve would be installed, the existing flow meter would need to be moved to the other side of the tank.

Basis for Priority:

Health and safety and improve our ability to maintain the tank. Also improves operation and flexibility during emergencies.

Project Financial Summary:

Project Estimate: 60,000 Total Spent to Date: _____ Current Year Budget: _____

Anticipated Expenses to End of Year: _____ Amount Remaining in Current Year Budget: _____

Expenditures:

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction			60,000					60,000
Right of Way								0
Other:								0
Total:	0	0	60,000	0	0	0	0	60,000

Funding Sources

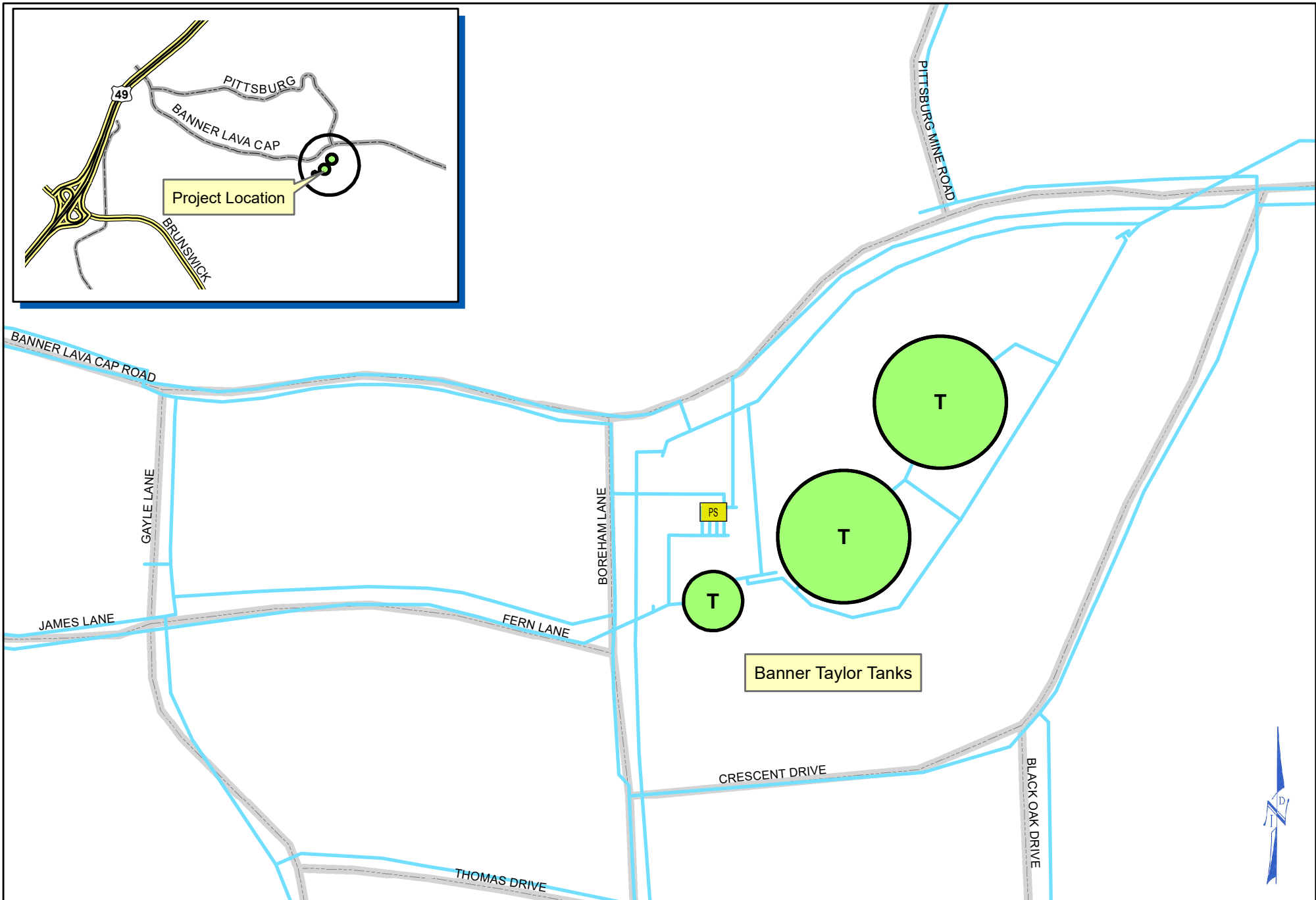
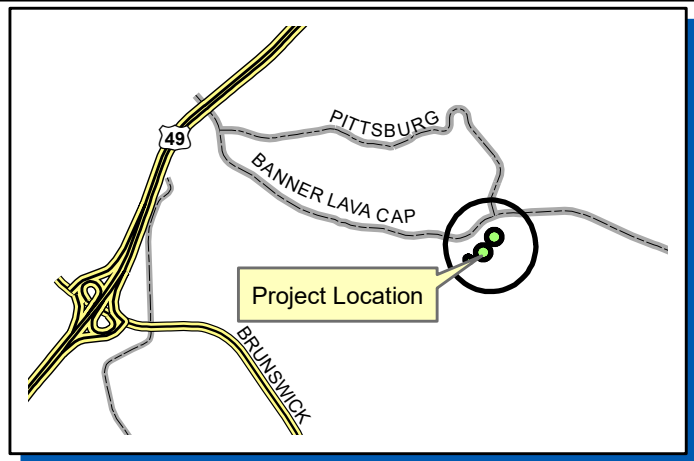
Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Water Fund - 10			60,000					60,000
								0
								0
Total:	0	0	60,000	0	0	0	0	60,000

Notes:

CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: Banner Tank Isolation Valves Project No.: 2603

Criteria #	Scoring	Project
1. Capital Costs	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	5
2. Annual Operation and Maintenance Costs	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	5
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	9
5. Environmental	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	9
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	7
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	7
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associated revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score: 100		Total Prioritization Score
		62



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NEVADA IRRIGATION DISTRICT

NEVADA COUNTY -- PLACER COUNTY
GRASS VALLEY, CALIFORNIA

BANNER TANK ISOLATION VALVES

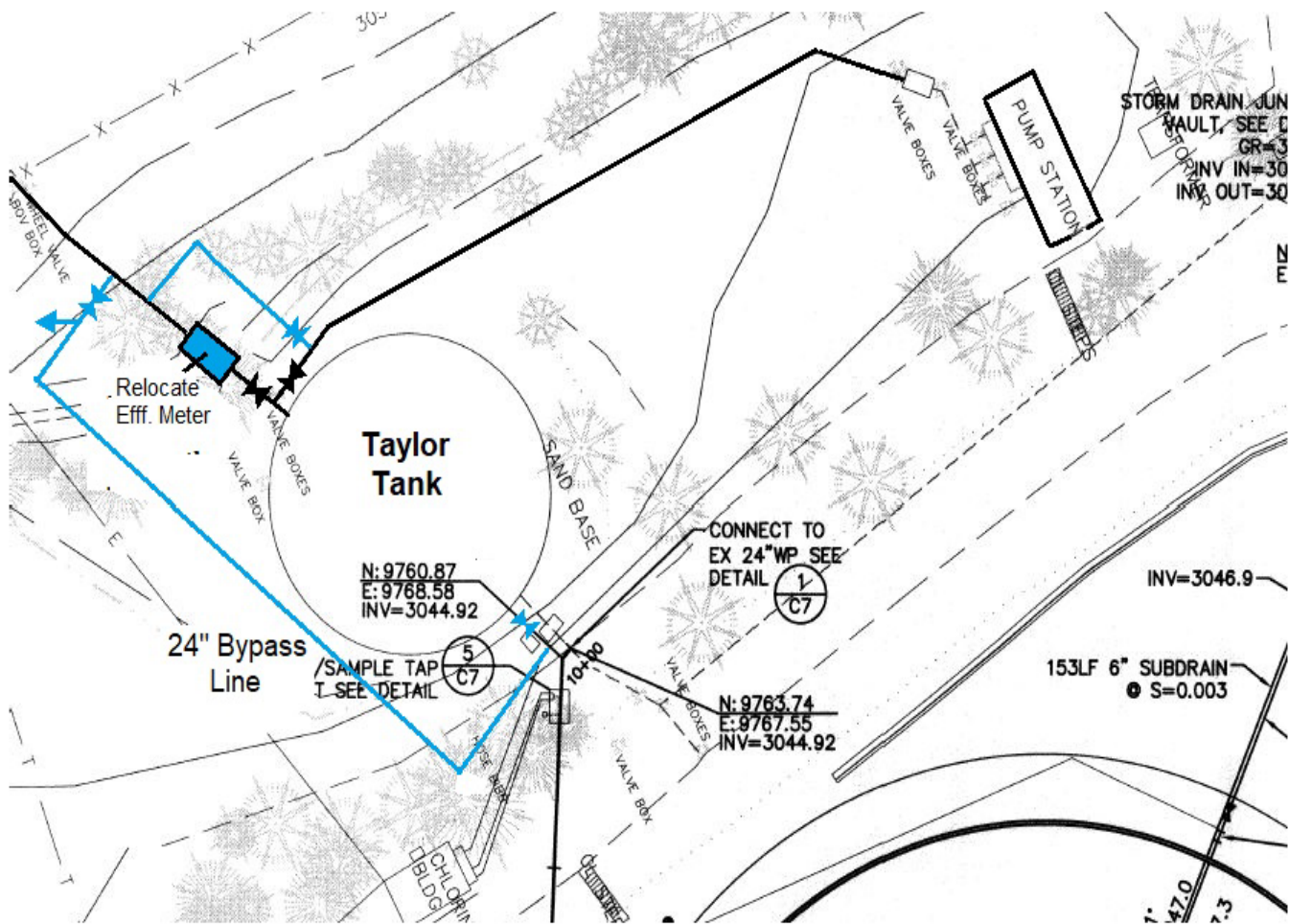
16

Drawn By: D. HUNT

Date: 9/16/2021

Scale: NO SCALE

Sheet: 1 of 1





2022 Annual Budget

Project Name: Ramp Repairs - Main Office Project No.: 2504

Dept. 10115-Admin Program: 52915-Non-Programmatic Priority Ranking: 58

Facility: Main Office - Grass Valley Facility #: 10230 Division #:

Project Manager: Doug Hobbs Constructed by: To be determined

New Construction: Replacement: Upgrades: Multiple Phases:

CEQA: Exemption Permits: Building ROW:

Project Purpose: (Problem Statement)

Existing ramp is failing and requires extensive reconstruction.

Project Description: (Proposed Solution)

Project will replace the existing ramp and bring it up to current design standards.

Basis for Priority:

Health and Safety concerns as it is used for public and staff to access the main building.

Project Financial Summary:

Project Estimate: 100,000 Total Spent to Date: Current Year Budget:

Anticipated Expenses to End of Year: 20,000 Amount Remaining in Current Year Budget:

Expenditures:

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering	18,000							18,000
Permitting/CEQA	2,000							2,000
Construction			80,000					80,000
Right of Way								0
Other:								0
Total:	20,000	0	80,000	0	0	0	0	100,000

Funding Sources

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Water Fund - 10	20,000		80,000					100,000
								0
								0
Total:	20,000	0	80,000	0	0	0	0	100,000

Notes:

CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: Ramp Repairs - Main Office Project No.: 2504

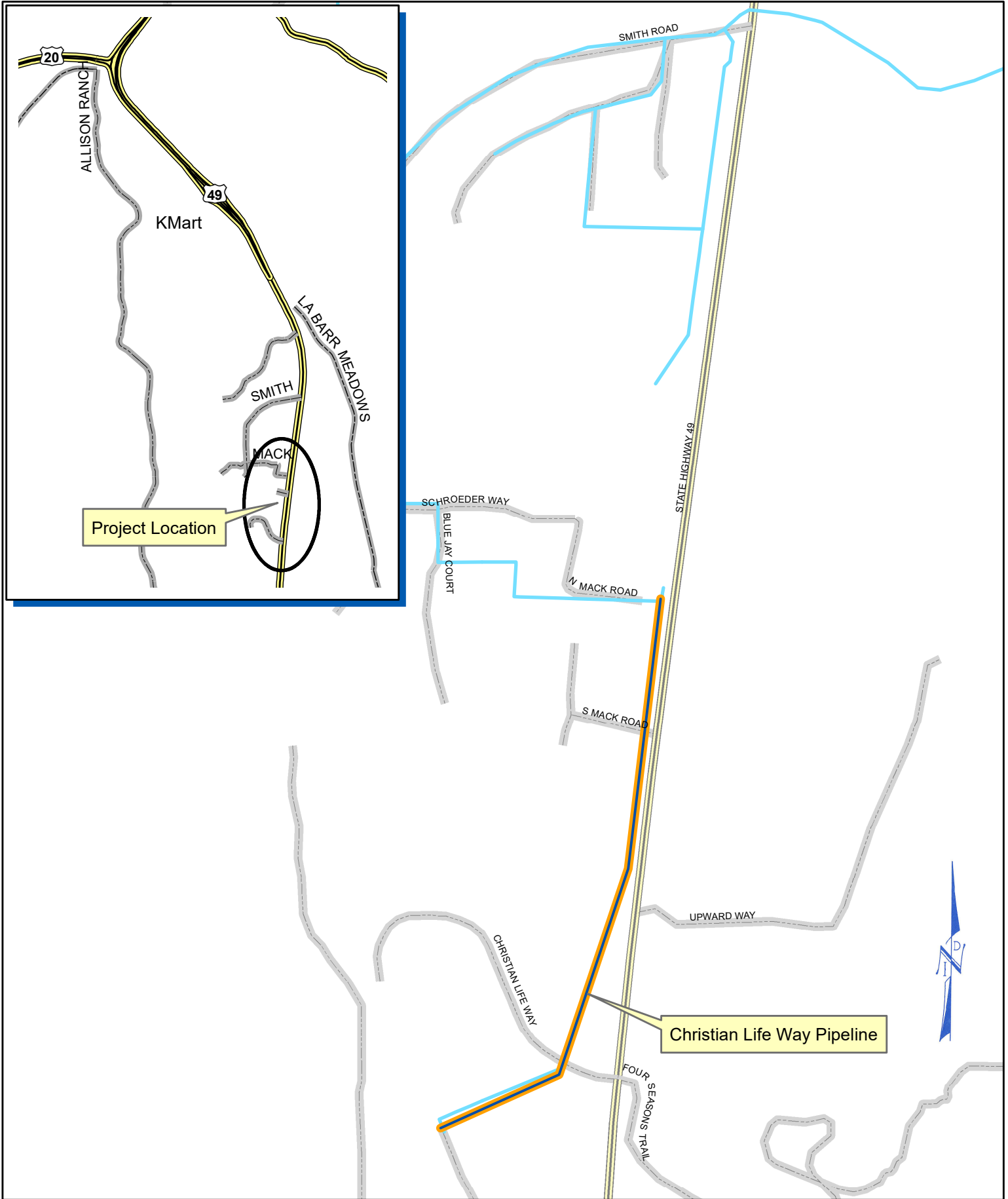
Criteria #	Scoring	Project
1. Capital Costs	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	8
2. Annual Operation and Maintenance Costs	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	5
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	10
5. Environmental	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	5
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	5
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	5
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associated revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score: 100	Total Prioritization Score	58



CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: Christian Life Way Project No.: 6962

Criteria #	Scoring	Project
1. Capital Costs	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	7
2. Annual Operation and Maintenance Costs	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	7
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	7
5. Environmental	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	3
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	5
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	5
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	7
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associated revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	6
Max Score: 100		Total Prioritization Score 57



CHRISTIAN LIFE WAY PIPELINE REPLACEMENT



Date: 9/9/2021
 Drawn By: D. HUNT

NEVADA IRRIGATION DISTRICT
 NEVADA COUNTY -- PLACER COUNTY
 GRASS VALLEY, CALIFORNIA

Scale: NO SCALE
 Sheet: 1 of 1

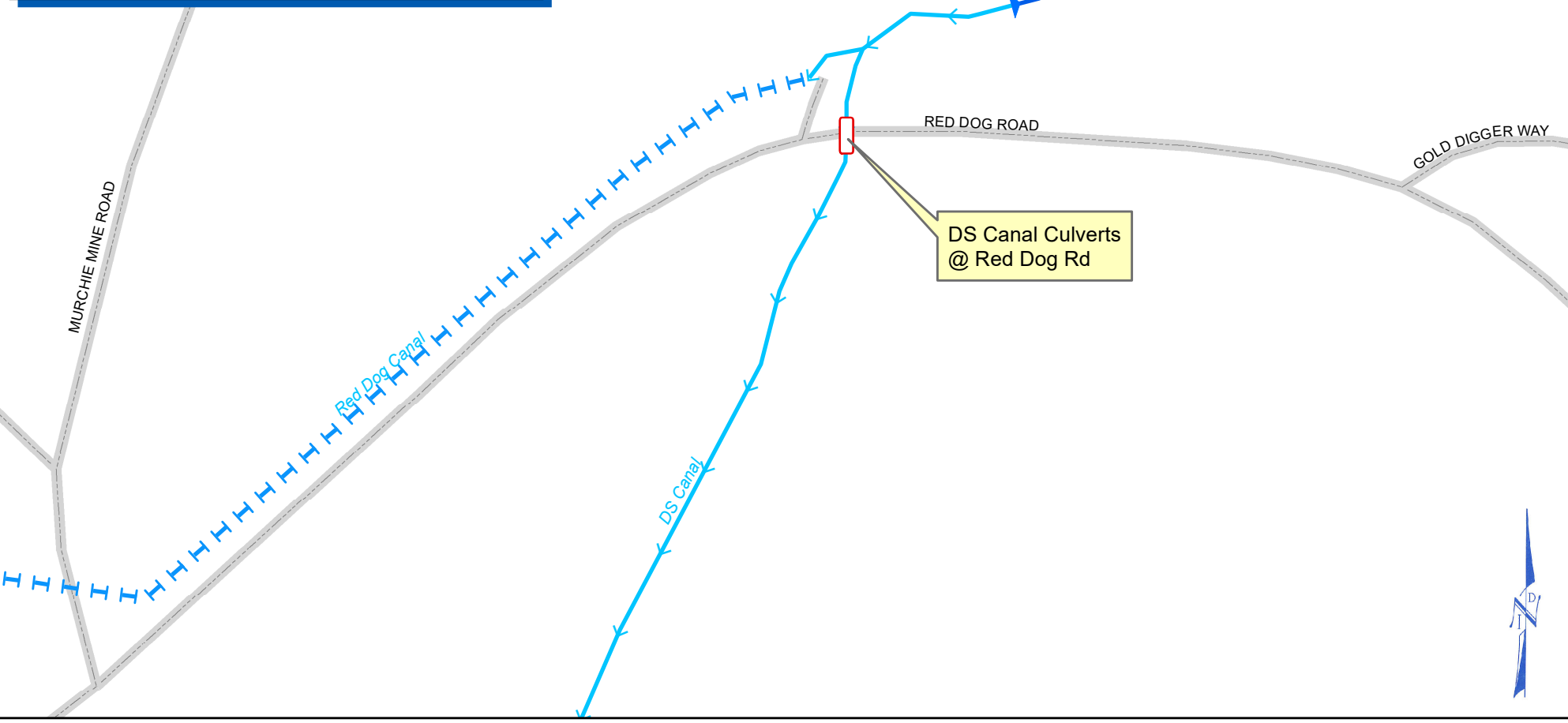
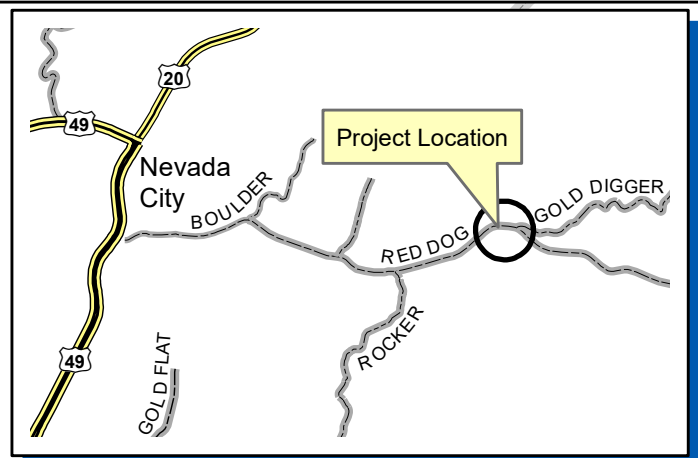
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CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: D/S Canal Shotgun Culverts at Red Dog Rd. Project No.: 2602

Criteria #	Scoring	Project
1. Capital Costs	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	5
2. Annual Operation and Maintenance Costs	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	6
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	8
5. Environmental	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	10
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	2
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	5
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associated revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	6
Max Score: 100		Total Prioritization Score 57



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NEVADA IRRIGATION DISTRICT
 NEVADA COUNTY -- PLACER COUNTY
 GRASS VALLEY, CALIFORNIA

D/S Canal Shotgun Culverts at Red Dog Road





2022 Annual Budget

Project Name: North Day Road Pipeline **Project No.:** 2182

Dept. 10151-Engineering Program: 52907-Pipeline Replacement Priority Ranking: 55

Facility: E. George System Facility #: 10313 Division #: Div 2

Project Manager: Adrian Schneider Constructed by: To be determined

New Construction: _____ Replacement: Upgrades: _____ Multiple Phases: _____

CEQA: Exemption Permits: Cal Trans ROW: 20 (Approx.)

Project Purpose: (Problem Statement)

Existing pipeline has exceeded its life expectancy and is deteriorated. Pipeline runs inside of property lines and against large trees. Mainline has been broken from roots, and from property owners working on the property.

Project Description: (Proposed Solution)

Replace approximately 3,790 LF of A.C. Pipeline with 8-inch pipe within existing roadway.

Basis for Priority:

Pipeline has leaks and needs to be replaced

Project Financial Summary:

Project Estimate: 950,000 Total Spent to Date: _____ Current Year Budget: _____

Anticipated Expenses to End of Year: _____ Amount Remaining in Current Year Budget: _____

Expenditures:

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA			20,000					20,000
Construction				870,000				870,000
Right of Way			60,000					60,000
Other:								0
Total:	0	0	80,000	870,000	0	0	0	950,000

Funding Sources

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Water Fund - 10			80,000	870,000				950,000
								0
								0
Total:	0	0	80,000	870,000	0	0	0	950,000

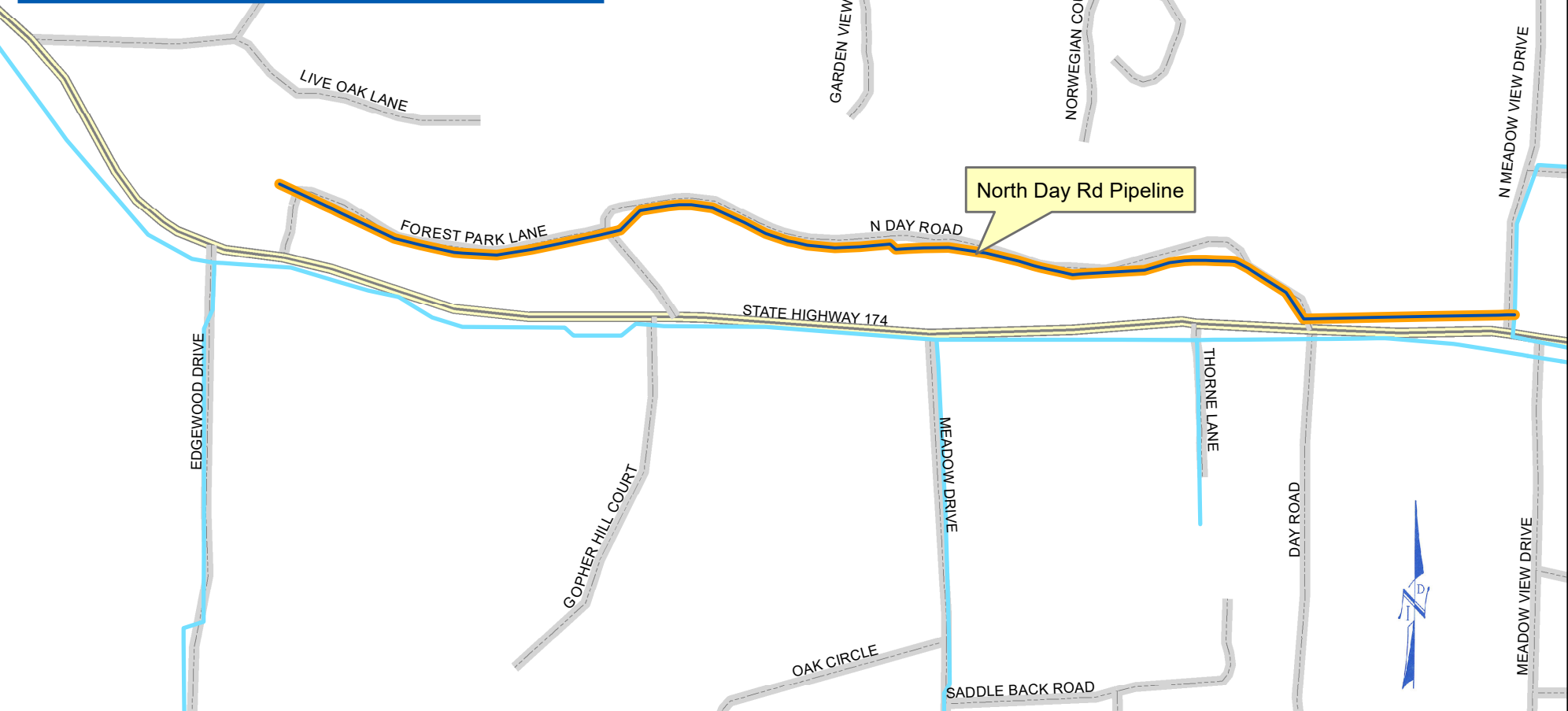
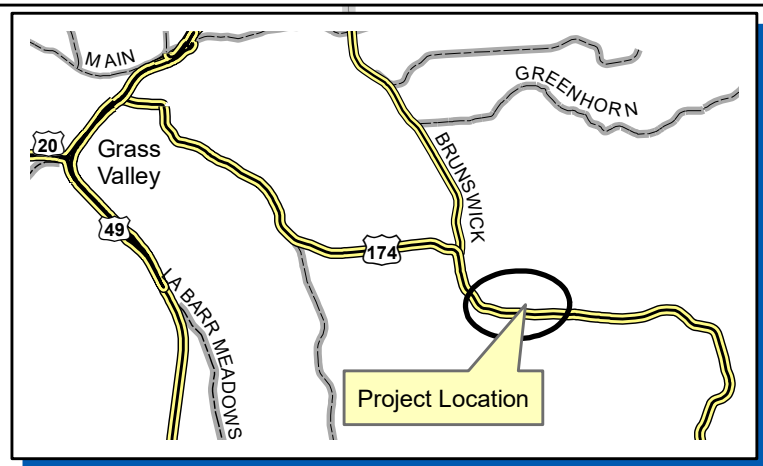
Notes:

CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: North Day Road Pipeline Project No.: 2182

Criteria #	Scoring	Project
1. Capital Costs	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	5
2. Annual Operation and Maintenance Costs	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	6
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	7
5. Environmental	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	5
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	4
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	7
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associated revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	6
Max Score: 100		Total Prioritization Score 55

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NEVADA IRRIGATION DISTRICT

NEVADA COUNTY -- PLACER COUNTY
GRASS VALLEY, CALIFORNIA

NORTH DAY ROAD PIPELINE

31

Drawn By: D. HUNT

Date: 9/10/2021

Scale: NO SCALE

Sheet: 1 of 1





2022 Annual Budget

Project Name: Pet Hill Extension **Project No.:** 2373

Dept. 10151-Engineering Program: 52910-Raw Water Priority Ranking: 52

Facility: Pet Hill Facility #: 10373 Division #: Div 5

Project Manager: Tonia Tabucchi Herrera Constructed by: To be determined

New Construction: _____ Replacement: Upgrades: Multiple Phases: _____

CEQA: Exemption Permits: _____ ROW: _____

Project Purpose: (Problem Statement)

4" pipe maxed out at head (Moratorium) -- culvert and rubber lined sections limit flow as well potential overtopping. Section of canal from head of canal to Indian Springs Road.

Project Description: (Proposed Solution)

Replace undersized head gate and pipe. Improve section of the canal most likely with encasement, to be determined. Overall section of canal approximately 800 ft. If full encasement is warranted, then an IS/MND would most likely be required.

Basis for Priority:

Project Financial Summary:

Project Estimate: 120,000 Total Spent to Date: _____ Current Year Budget: _____

Anticipated Expenses to End of Year: _____ Amount Remaining in Current Year Budget: _____

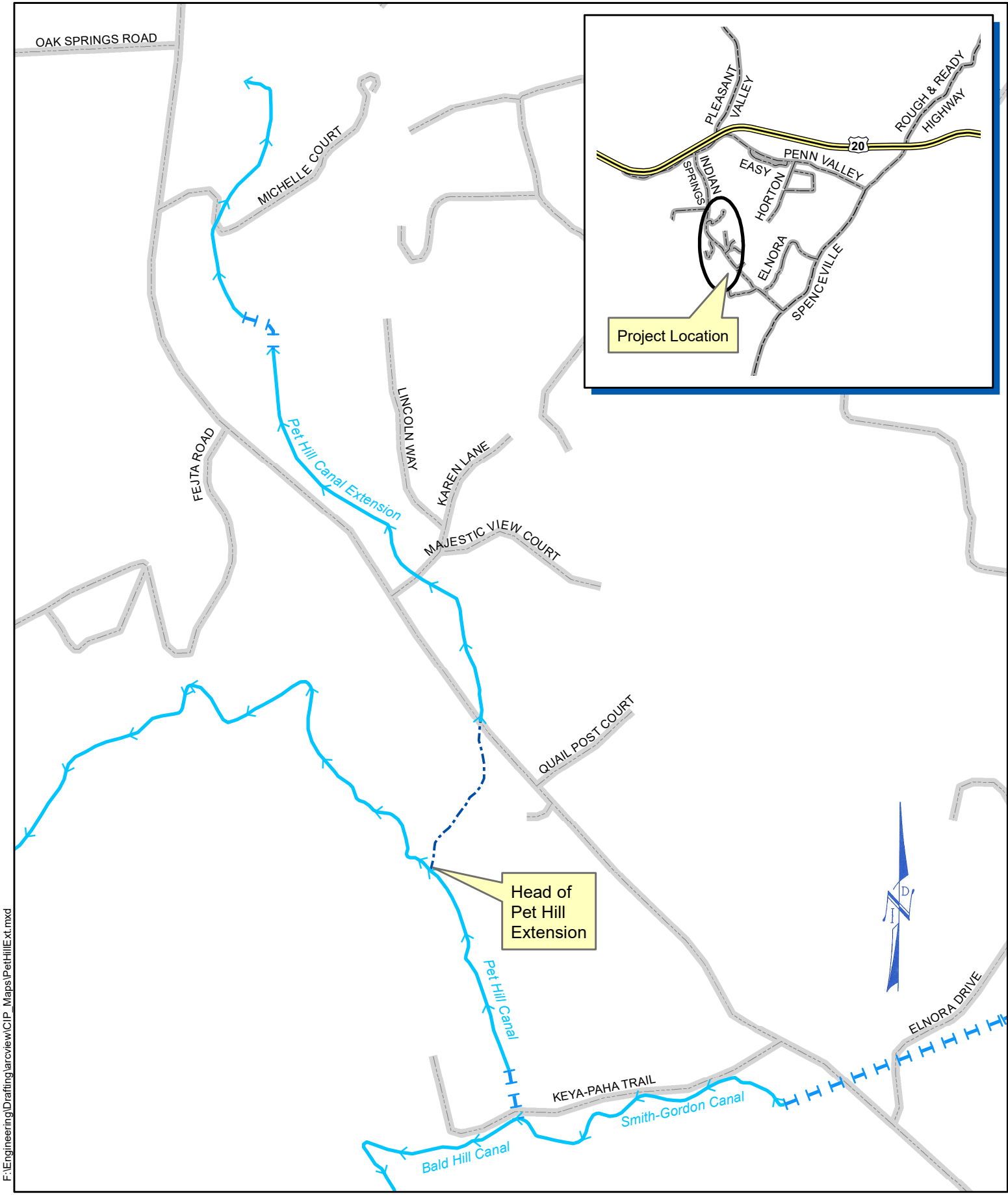
Expenditures:

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction			120,000					120,000
Right of Way								0
Other:								0
Total:	0	0	120,000	0	0	0	0	120,000

Funding Sources

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Water Fund - 10			120,000					120,000
								0
								0
Total:	0	0	120,000	0	0	0	0	120,000

Notes:



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PET HILL EXTENSION



Date: 9/10/2021
 Drawn By: D. HUNT

NEVADA IRRIGATION DISTRICT
 NEVADA COUNTY -- PLACER COUNTY
 GRASS VALLEY, CALIFORNIA

Scale: NO SCALE
 Sheet: 1 of 1





2022 Annual Budget

Project Name: Sugarloaf Reservoir Project No.: 2550

Dept. 10151-Engineering Program: 52910-Raw Water Priority Ranking: 50

Facility: Sugar Loaf Reservoir Facility #: 10325 Division #: .

Project Manager: Adrian Schneider Constructed by: To be determined

New Construction: Replacement: Upgrades: Multiple Phases:

CEQA: IS/MND Permits: ROW:

Project Purpose: (Problem Statement)

A sinkhole appeared on the top of the south embankment of the reservoir, showed structural weakness, and water was leaking through portions of the dry side of the embankment. Operations has determined that this reservoir should be abandoned, as the cost to repair it would exceed the minor benefit of its continued operation.

Project Description: (Proposed Solution)

Install new permanent by-pass and abandon reservoir.

Basis for Priority:

Reservoir is at top of hill, if it fails it would flood the homes below and would run into Nevada City

Project Financial Summary:

Project Estimate: 200,000 Total Spent to Date: Current Year Budget:

Anticipated Expenses to End of Year: Amount Remaining in Current Year Budget:

Expenditures:

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA			80,000					80,000
Construction			120,000					120,000
Right of Way								0
Other:								0
Total:	0	0	200,000	0	0	0	0	200,000

Funding Sources

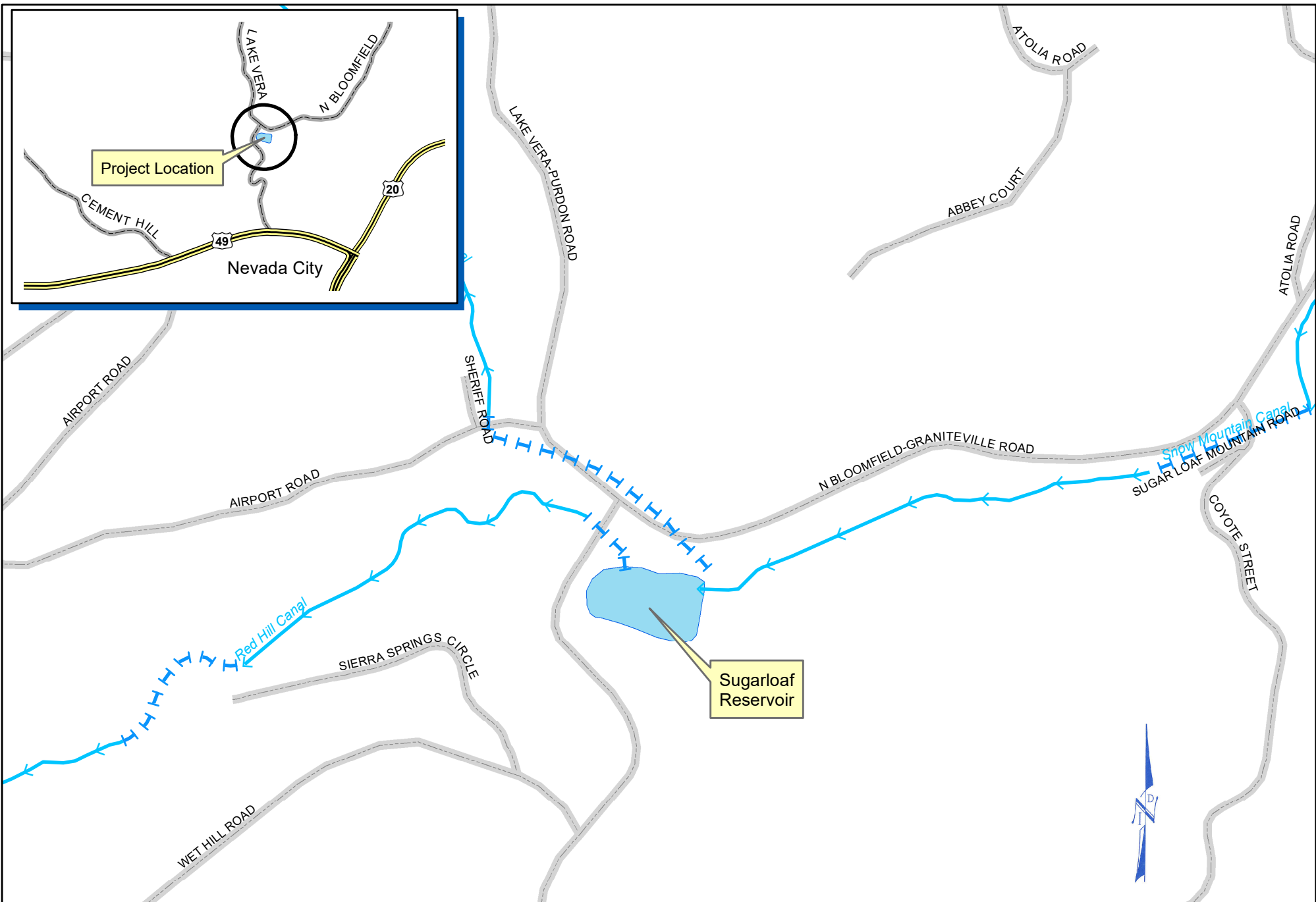
Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Water Fund - 10			200,000					200,000
								0
								0
Total:	0	0	200,000	0	0	0	0	200,000

Notes:

CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: Sugarloaf Reservoir Project No.: 2550

Criteria #	Scoring	Project
1. Capital Costs	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	8
2. Annual Operation and Maintenance Costs	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	8
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	8
5. Environmental	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	3
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	0
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	1
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	7
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associated revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score: 100	Total Prioritization Score	50



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NEVADA IRRIGATION DISTRICT

NEVADA COUNTY -- PLACER COUNTY
GRASS VALLEY, CALIFORNIA

SUGARLOAF RESERVOIR

39

Drawn By: D. HUNT

Date: 9/10/2021

Scale: NO SCALE

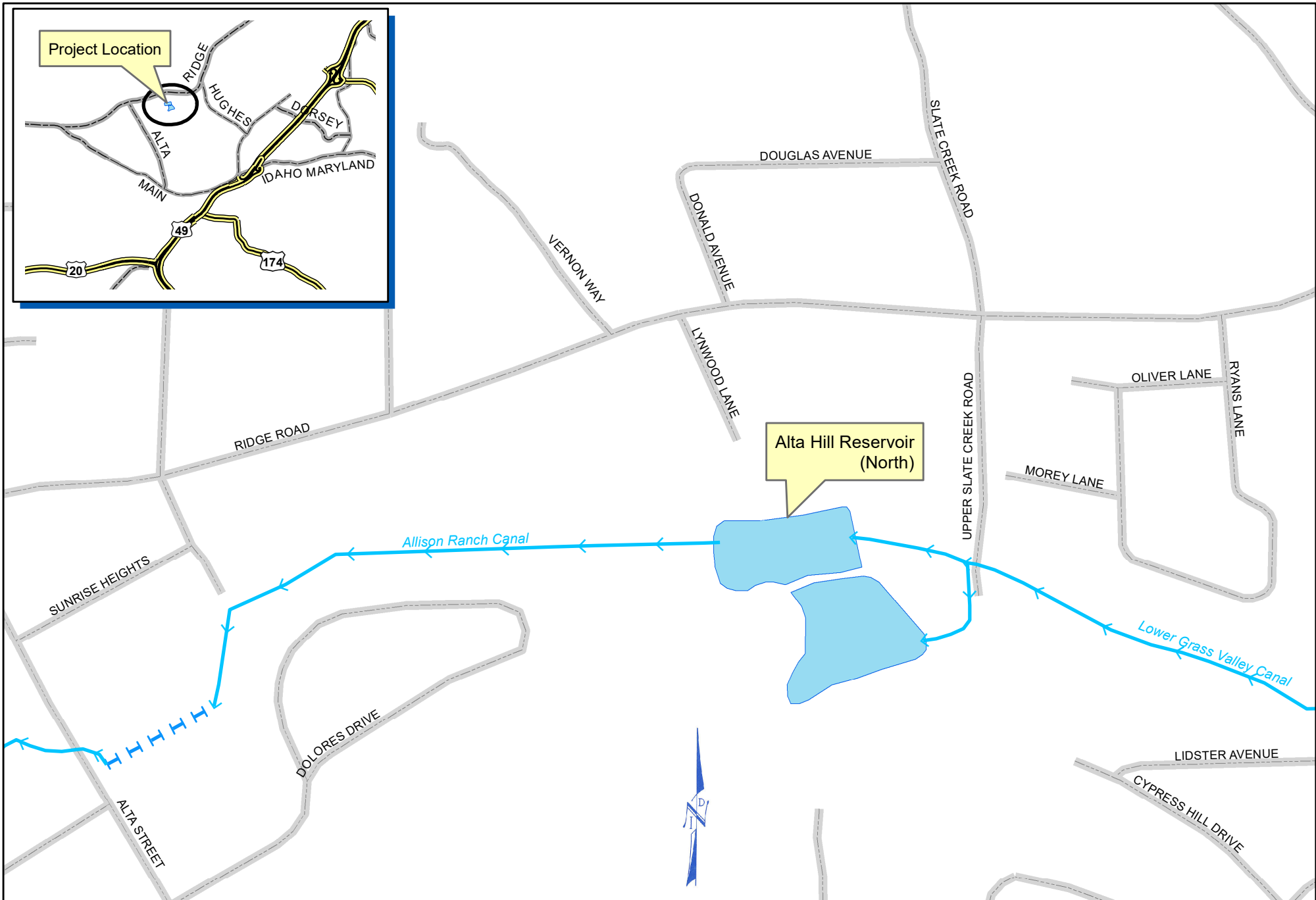
Sheet: 1 of 1



CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: Alta Hill Reservoir Project No.: 2604

Criteria #	Scoring	Project
1. Capital Costs	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	8
2. Annual Operation and Maintenance Costs	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	8
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	5
5. Environmental	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	4
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	1
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	1
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	7
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associated revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score: 100	Total Prioritization Score	49



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NEVADA IRRIGATION DISTRICT

NEVADA COUNTY -- PLACER COUNTY
GRASS VALLEY, CALIFORNIA

ALTA HILL RESERVOIR (North)

43

Drawn By: D. HUNT

Date: 9/10/2021

Scale: NO SCALE

Sheet: 1 of 1

