

TEN-YEAR CONSTRUCTION PROGRAM

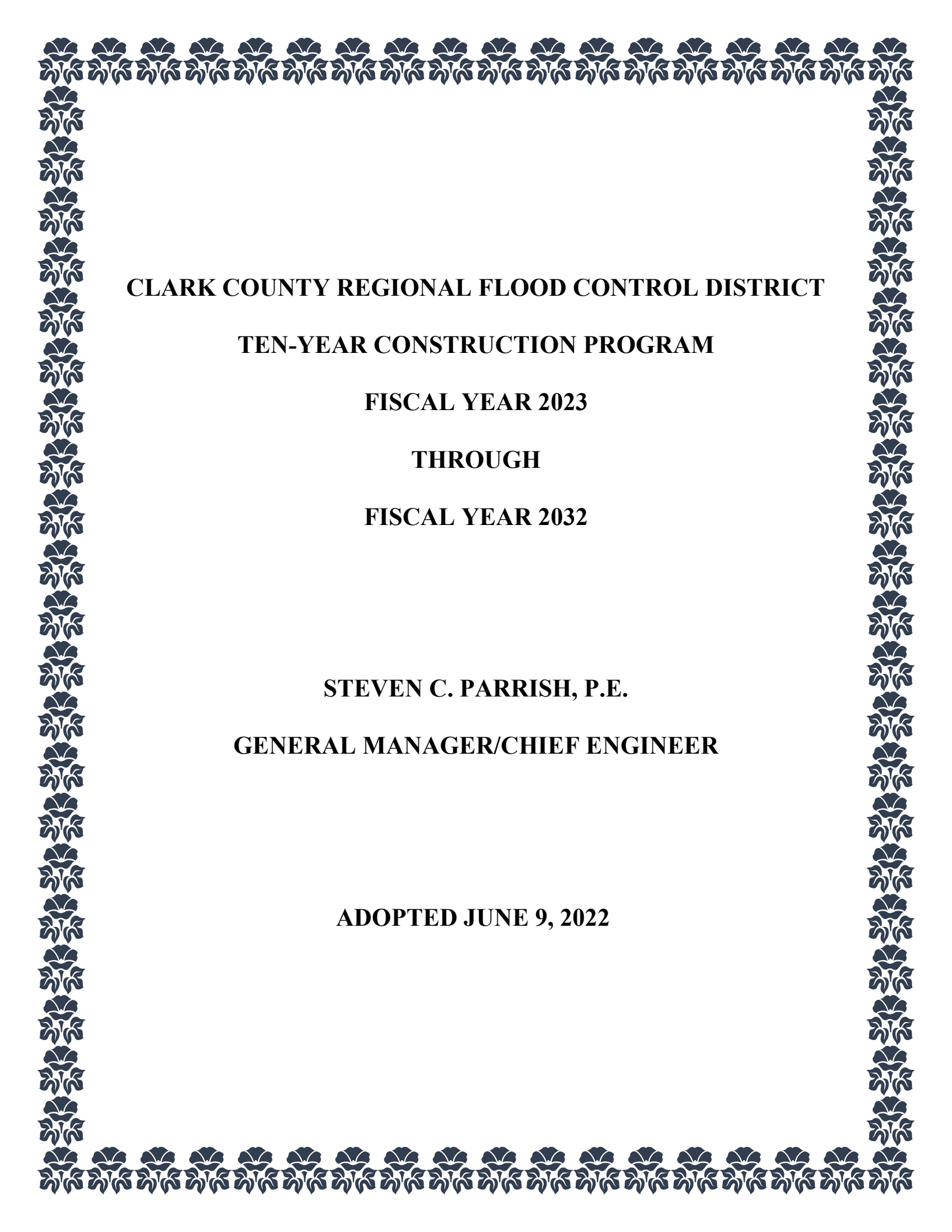
REGIONAL FLOOD CONTROL DISTRICT



**FISCAL YEAR 2023
THROUGH
FISCAL YEAR 2032**

**STEVEN C. PARRISH, P.E.
GENERAL MANAGER/CHIEF ENGINEER**

**ADOPTED
JUNE 9, 2022**

A decorative border of repeating floral motifs in a dark blue color frames the entire page.

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

TEN-YEAR CONSTRUCTION PROGRAM

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STEVEN C. PARRISH, P.E.

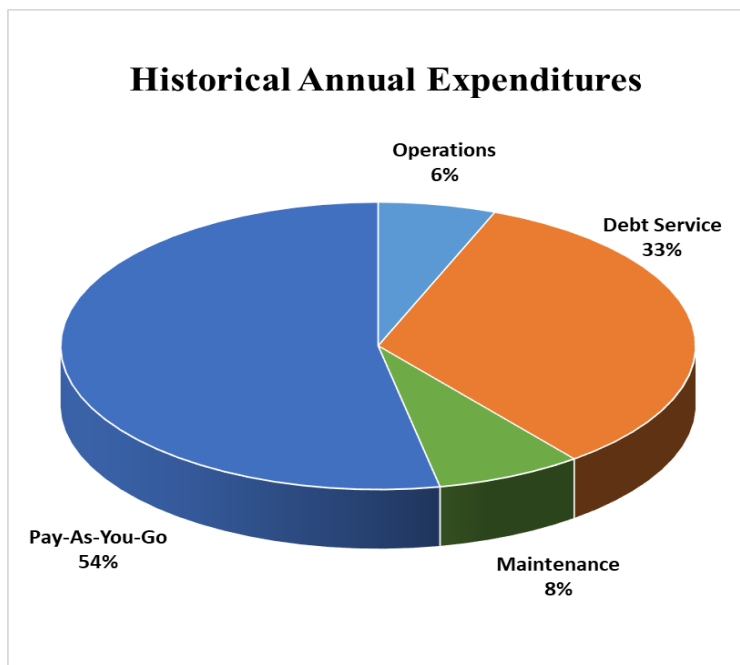
GENERAL MANAGER/CHIEF ENGINEER

ADOPTED JUNE 9, 2022

Capital Improvement Program

The District staff maintains a listing of projects proposed for funding in the next ten-year period. The Ten-Year Construction Program (TYCP) is updated annually and is approved by the Board after review by the Technical and Citizens Advisory Committees. In addition to the TYCP, the District's Chief Engineer with assistance, cooperation and approval of the Technical Advisory Committee, prepares a list of projects proposed for funding during the upcoming fiscal year. The fiscal year project list, after approval by the Board, constitutes the Capital Improvement Program for the District in the ensuing fiscal year. The fiscal year project list and the

updated TYCP presented in this document were approved on June 9, 2022, for Fiscal Year 2022-23. Board approval of the TYCP and the fiscal year project list does not authorize funding of any project and does not commit the District to expend any funds.



The TYCP consumes all revenues that the District receives that are not allocated to Operations (Fund 2860), Debt Service (Fund 3300), or the Maintenance Work Program (Fund 2870). A pie chart representing the historical annual expenditures for a fiscal year is depicted above. The TYCP revenues are derived from the District's one quarter of one percent of Clark County Sales Tax Revenue, interest revenues and bond proceeds from the issuance of debt. Sales Tax and interest revenue is used to fund the District's Pay-As-You-Go (PAYG) Program. Since May 1987, when the first Sales Tax Revenues were received, the District has collected over \$2.2 billion in Sales Tax Revenues, through the end of April 2022. Additionally, the District has issued \$80,000,000, \$150,000,000, \$200,000,000, \$150,000,000, \$75,000,000, \$100,000,000, \$115,000,000 and \$85,000,000 in General Obligation Bonds/Notes, secured by Sales Tax Revenue, which were sold in November 1991, September 1998, September 2003, June 2009, December 2013, December 2014, March 2019 and October 2020, respectively, to expedite projects. Through May of 2022, the District has funded \$2,159,562,345 in projects.

FISCAL YEAR 2023 THROUGH FISCAL YEAR 2032 TYCP

The TYCP is an estimate of when funding will be requested. Available revenues for the TYCP are estimated to be \$1,074,504,263. Additionally, \$100,000,000 in bonds are programmed in fiscal year 2023-24, fiscal year 2026-27 and fiscal year 2029-30, to expedite future flood control infrastructure. However, programming of debt is not a guarantee that the debt will be issued and is based on the progress in project development. The District also continually evaluates whether

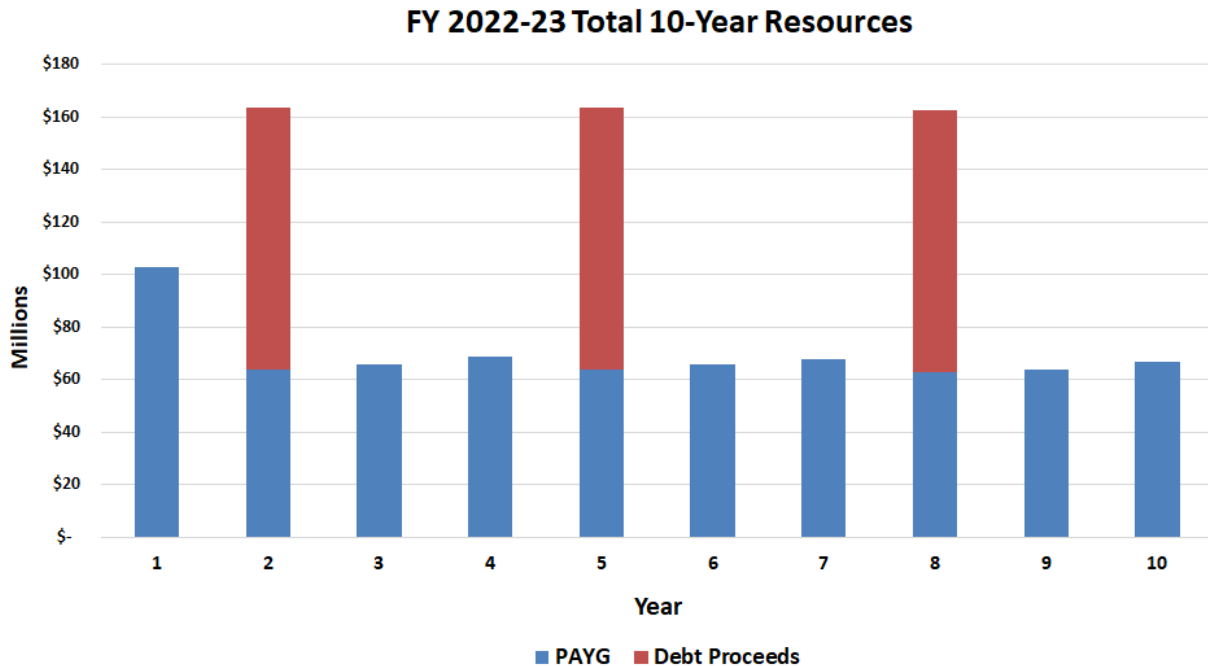
REGIONAL FLOOD CONTROL DISTRICT – FY 2023 THROUGH FY 2032

to issue the debt based on economic conditions. Sales Tax growth for Year 1 is based on a 3.0% growth rate from prior years' revised estimate of \$140,800,000 and a 2.0% growth rate for Years 2 through 10.

The TYCP also includes inflation factors to account for increases in project costs over time. Taking the COVID 19 crisis into account, and the unknown impacts to the National and Local economies, District staff recommends revising the project cost index for FY 2022-23 to 7.5%, FY 2023-24 to 4.0% and for FY 2024-25 through FY 2031-32 to 2.0%. Funding of projects in the first year of the TYCP is dependent on revenues being received as projected. There is no guarantee that the project will be funded in the year that it is programmed to request funding. A project may be delayed to future years based on actual receipt of revenues and issuance of debt, resulting in adjustments to the entire TYCP. Funding of projects in the first year of the TYCP is dependent on revenues being received as projected. There is no guarantee that the project will be funded in the year that it is programmed to request funding. A project may be delayed to future years based on actual receipt of revenues and issuance of debt, resulting in adjustments to the entire TYCP.

REGIONAL FLOOD CONTROL DISTRICT – FY 2023 THROUGH FY 2032

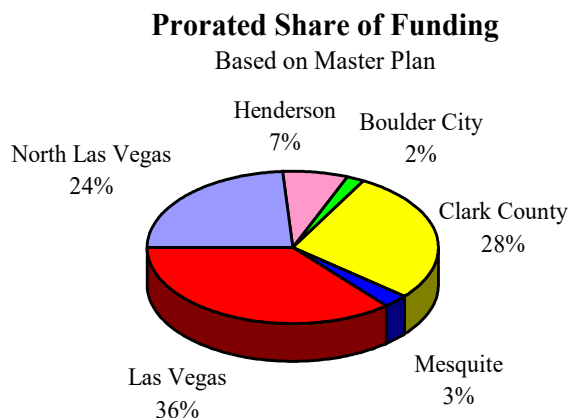
The chart below depicts the total resources projected over the next ten-year period from Sales Tax Revenue and future debt issuance that could be used to finance design and construction of flood control facilities.



Flood control projects are fairly standard in nature and typically follow a design time of 1-2 years and a construction time of 2-3 years. The minimum level of expenditures for assets to be classified as capital assets for the District is \$5,000 and we comply with all adopted GAAP requirements. The design and construction periods for District projects cross multiple fiscal years and unexpended funding is carried forward. The District's budgeted expenditures for the TYCP tie to the capital outlay budget for each fund. The budgeted resources for District's capital funding during FY 2022-23 are \$382,500,070, which includes previously approved and new projects planned for FY 2022-23.

The target funding percentages for each hydrographic area were established based on a proportionate share of the sum of the cost of funded projects and proposed Master Plan facilities. The Master Plan costs were obtained from the estimates contained in the various Master Plan Updates that have been adopted. The most recent are the Master Plan Updates for: the Las Vegas Valley adopted by the Board on January 10, 2019; the City of Boulder City adopted by the Board on November 8, 2018; the

Town of Bunkerville and the City of Mesquite adopted by the Board on December 14, 2017; the Muddy River and Tributary Washes adopted by the Board on March 11, 2021; the Town of Laughlin adopted by the Board on February 13, 2020, and the Outlying Areas of Clark County adopted by the Board on February 13, 2020. The costs of funded projects were derived from the financial reports at the date of adoption of each Master Plan Update. Exhibit A shows the costs of flood control facilities by hydrographic area and the entity to which the area is assigned. The pie chart on this page indicates the percent of revenues which should be spent in each entity based on need as measured by the cost of flood control facilities identified on the Master Plans. This ensures an equal rate of implementation of flood control infrastructure within each hydrographic area over time.



In November 2000, the District's Board of Directors approved the implementation of Entity Advance Funding (EAF) for flood control projects that meet the District's criteria for construction funding when funds are not yet available. This allows an entity (City or County) to advance construction funding and advertise and award a construction contract for the project ahead of the scheduled date that the District would have funds available. The Board amended the EAF policies on May 15, 2003 and April 12, 2012. Through an Interlocal Contract, the District and Entity agree to a date that the District will reimburse the entity and a set dollar amount for the project. The EAF process has a \$40 million cap; requires that the project be programmed in the first three (3) years of the TYCP in the amount of the request; and the agreed reimbursement date must not exceed five (5) years from the date the Interlocal Contract is approved. These policies keep future revenues and obligations manageable. Current and future EAF contract funds will be programmed in accordance with the conditions of the contract.

In some cases, funds are available from another source to allow a construction project to proceed in advance of the District having funding available. When an alternate source of funding is willing and able to facilitate immediate construction of a project the Board may consider a Resolution of Intent to reimburse the funding source at an agreed upon time and amount. The funds for reimbursement are programmed in accordance with the conditions of the Resolution.

REGIONAL FLOOD CONTROL DISTRICT – FY 2023 THROUGH FY 2032

Maintenance Work Program

The Board has adopted an Operations and Maintenance Program to provide funding of, and establish performance standards and guidelines for, the maintenance of flood control facilities located in the District's service area. The Program provides funding for entities to maintain flood control facilities within their respective jurisdictions to assure that facilities included in the Master Plan are maintained in a manner that maximizes their useful life and ensures their operation at design capacity during a storm event.

Subsequently, the District worked with the entities to develop the Maintenance Work Program (MWP) to be consistent with the requirements outlined in the Operations and Maintenance Manual. Work is performed using a combination of private contractors and entity maintenance staff. Approximately 677 miles of channel and underground storm drains, of which 140 miles are natural washes, are inspected and/or maintained throughout Clark County, along with 104 detention basins.

Projected Maintenance Work Program funding for the TYCP period is depicted in the following chart:

Fiscal Year	Factor	TYCP MWP Funding Projection	
2023	Approved Budget	\$	16,000,000
2024	0.0%	\$	16,000,000
2025	0.0%	\$	16,000,000
2026	0.0%	\$	16,000,000
2027	0.0%	\$	16,000,000
2028	0.0%	\$	16,000,000
2029	0.0%	\$	16,000,000
2030	0.0%	\$	16,000,000
2031	12.5%	\$	18,000,000
2032	0.00%	\$	18,000,000
Total estimated maintenance over 10 years		\$	164,000,000

Local Drainage Program

During the 2001 Nevada Legislative Session, the District proposed several changes to NRS 543 – Control of Floods. Senate Bill 267 passed during the session and amended NRS 543 to allow the District to implement a Local Drainage Program. On November 8, 2001, the Board of Directors adopted amendments to the District’s Policies and Procedures Manual, which included a definition of a local drainage project and set the procedures for entities minimum eligibility requirements; established funding guidelines for local drainage projects; and identified project initiation procedures.

During the twentieth year of this program, the District has budgeted \$1,450,000 for Local Drainage projects. Projected Local Drainage Program funding for the TYCP is depicted in the chart on the next page.

In FY 2020, the District funded in the City of Henderson, Chickasaw Storm Drain (estimated completion date of December 2022).

REGIONAL FLOOD CONTROL DISTRICT – FY 2023 THROUGH FY 2032

Projected Local Drainage Program funding for the TYCP period is depicted in the following chart:

Fiscal year	Factor	TYCP Local Drainage Budget Projection	
2023	Approved Budget	\$	1,450,000
2024	2.0%	\$	1,479,000
2025	2.0%	\$	1,508,580
2026	2.0%	\$	1,538,752
2027	2.0%	\$	1,569,527
2028	2.0%	\$	1,600,917
2029	2.0%	\$	1,632,936
2030	2.0%	\$	1,665,594
2031	2.0%	\$	1,698,906
2032	2.0%	\$	1,732,884
Total estimated local drainage over 10 years		\$	15,877,096

The TYCP presented in this document represents the District's and Entities work plan for the coming years.

Project Prioritization

Annually, during review and development of the TYCP, the relative priority of Master Plan projects are reviewed and the priority of projects are assessed. Exhibit B presents a tabulation of the priority values for all Las Vegas Valley flood control facilities included in the TYCP. The criteria used in the evaluation of projects as prescribed in the District Policies and Procedures Section II.B.3 is presented below. Items a) through d) recognize life safety issues and are weighted accordingly in this regard:

- a) **Population Affected**
Refers to the existing population affected by the construction of the project considered. Impact includes reducing flood hazards.
- b) **Assessed Land Value Impacted**
Assessed land values for developed and undeveloped land affected by the project, including all structures (public, commercial, or residential) will be reviewed. Impact on land values related to a reduction of the floodplain area will be considered under this item.
- c) **Public Perception of Need**
The project will be evaluated in terms of satisfying the public's desire to see their money spent on "worthwhile" projects and the public's perception of need.
- d) **Emergency Access and Public Inconvenience**
The project will be evaluated to determine its impact on the access of emergency vehicles including police, ambulance, and fire vehicles to their respective substation, hospital, or station. The evaluation will include an assessment of the project's contribution to the development of an all-weather transportation system and accessibility to flood isolated residences, businesses, and public facilities.
- e) **Cost Avoidance**
Cost avoidance includes projects which will reduce future costs, including potential damage, construction of oversized facilities, and the ability to construct. This item should also address other costs associated with lost opportunity and the risk associated with inadequate or undersized facilities.
- f) **Availability of Other Funding Sources**
This includes an evaluation of the potential for funds from grants, developers, the Corps of Engineers, and other public and private interests. Additional funding sources shall include but are not limited to land donated by private developers and the Bureau of Land Management.

g) **Interrelationship to Other Projects**

Projects which score high on this criterion can function independently or are needed to complete or increase the effectiveness of the existing regional and local drainage system.

h) **Timing and Implementation**

All aspects of timing and implementation should be considered under this item including availability of right-of-way, permit review if necessary, and ability to administer and begin a project in a reasonable time-frame.

i) **Environmental Enhancement**

Evaluation of this criterion includes benefits derived from improving or mitigating the threat to public health resulting from stagnant water, erosion, raw sewage spills, and contamination of the domestic water supply. It also includes, if applicable, information on the project's enhancement of habitat, recreational opportunities, and water quality.

j) **Annual Maintenance Cost**

Projects which will rank high on this criterion have a lower maintenance cost than those facilities now in existence or will reduce maintenance costs downstream.

Priority values are calculated by each lead entity within their respective hydrographic areas. It should be noted that priority values may not necessarily be relative from one hydrographic area to another.

Ten-Year Construction Program

The proposed TYCP totals \$1,019,342,328 and is presented as Exhibit C. The estimated cost of facilities presented in the Master Plans for all of Clark County is \$2,323,427,288. Therefore, this TYCP constitutes approximately 44% of total Master Plan facility costs. The TYCP project locations are shown on the attached maps. A summary of the proposed program, along with major accomplishments for each entity follows.

HENDERSON
Pittman Wash Planning Area
and
C-1 Channel Planning Area

A summary of the proposed program, along with major accomplishments for the City of Henderson is shown in the attached map labeled “Pittman Wash and C-1 Channel Planning Area.” Henderson projects completed or funded for construction since 1987 include:

Anthem Parkway Channel, Horizon Ridge to Siena Heights

Appaloosa Storm Drain, Local Drainage Project

Black Mountain (Southwest C-1) Detention Basin

Located at the base of Black Mountain

Blackridge Road Storm Drain System, Local Drainage Project

Boulder Highway Channel

Bridges over Pittman Wash

At Warm Springs Road, Stephanie Street, and Green Valley Parkway

C-1 Channel, Middle Reach

C-1 Channel/Middle & Upper Reaches, Phase I (Burkholder Boulevard to Boulder Highway)

C-1 Channel, Upper & Middle Reaches – Vermillion Drive to Boulder Highway

C-1 Channel, US-95 Tributary 1

C-1 Equestrian Tributary

Center Street Storm Drain

Chickasaw Storm Drain, Local Drainage Project

Henderson (continued)

Duck Creek, Sunset to Sandhill

Gibson Channel Culvert at Sunset Road

Gibson Conveyance System

East C-1 Detention Basin

Situated in a narrow canyon within the River Mountains funded and constructed by the Southern Nevada Water Authority

Equestrian Detention Basin and Collection Channel

Equestrian Detention Basin Expansion

Equestrian Detention Basin Outfall – Heritage Channel

Equestrian Tributary, Phase II

Horizon Ridge Detention Basin

McCullough Hills Detention Basin

Designed by the Del Webb Corporation as a joint use recreation facility as part of their Anthem project

Mission Hills Detention Basin and C-1 Channel

From Lake Mead Drive to Burkholder Boulevard

Mission Hills Western Interceptor

From Pacific Avenue to the Mission Hills Detention Basin

Northeast Detention Basin, Levee and Outfall

Palm Hills Channel

Pioneer Detention Basin

Pioneer Detention Basin Expansion and Inflow

Pioneer Detention Basin/Outfall, Phase I

From Warm Springs Road to Sunset

Pittman Eastern Detention Basin

Pittman North Detention Basin and Outfall, Phase 1

Henderson (continued)

Pittman North Detention Basin and Outfall, Phase 2 – Starr Avenue

Pittman North Detention Basin and Outfall, Phase III

Pittman Pabco – Boulder Highway Crossing

Pittman Park Detention Basin

A joint use recreation facility

Pittman Park Peaking Basin Modification

Pittman Pecos West Conveyance and Eastern Avenue Tributary

Pittman Railroad East Conveyance

Pittman Railroad, MacDonald Ranch Channel

Pittman Wash

From I-515 to Santiago Road: Phase I, II, and IIIA

Pittman Wash – Burns

Pittman Wash, Duck Creek at I-515

Pittman Wash – Gibson

Pittman Wash Railroad Channel (Phase I)

Pittman Wash Railroad Channel, US-95 to Major Avenue

Pittman Wash, UPRR to Santiago

Racetrack Channel – Drake to Burkholder

Union Pacific Railroad Channel

From Pittman Wash to Eastern Avenue

Whitney Ranch Channel Replacement Project

District funding since 1987 for the projects plus design efforts on future projects total approximately \$239,859,129.

Henderson (continued)

The projects proposed on the TYCP in hydrographic basin order with Priority Value (PV) include the following:

Pittman - Pittman Burns – Pittman Sunset, Burns Avenue to Foster Avenue (PV = 90.5)

PTBH 0000, 0014, 0015, PTSU 0034, 0037, 0067, 0069 – This project consists of 7' x 4' to 18' x 7' reinforced concrete box storm drain in Sunset Road that collects flow at Boulder Highway and at Foster Avenue, then conveys it to a proposed concrete channel in Burns Avenue and 20' x 8' reinforced concrete culvert at an existing driveway approximately 400 feet to the north. Design is underway. Construction funding is programmed in FY 24/25. The TYCP includes approximately \$11.8 million for this project.

Pittman - Pittman Burns – Galleria Drive to Sunset Road (PV = 95.0)

PTSU 0000, 0008, 0023, 0028, 0032 – This Developer Participation project consists of 16' x 8' to 20' x 8' reinforced concrete box storm drain and concrete channel along Burns Avenue and connects to the existing Wiesner Channel at Galleria Drive. Construction funding is programmed in FY 23/24. The TYCP includes approximately \$1.5 million for this project.

Pittman - Upper Pittman – Southeast Pittman Detention Basin (PV = 84.5)

PTBE 0062, 0063, 0064, PTSO 0000 – This project consists of a 550 acre-foot detention basin, spillway, and 42" diameter outfall pipe with orifice plate. A 38' wide, 6.5' deep, rectangular concrete inflow channel is also proposed with this project. Discharge from the basin is conveyed to a natural wash and the Pittman North Detention Basin approximately 1.5 miles downstream. Design is programmed in FY 24/25 and construction funding is programmed in FY 27/28. The TYCP includes approximately \$9.6 million for this project.

Pittman - Upper Pittman – Pittman Wash South Phase 1 – Pittman North Detention Basin to Larson Lane (PV = 78.5)

PTSD 0016, 0017, 0043 – This project consists of 13' x 8' reinforced concrete box storm drain and concrete channel improvements in Bermuda Road extending south from the existing riprap levee (PTNO 0195) at Volunteer Boulevard to Larson Lane and dual 18' x 8' reinforced concrete box culverts at Larson Lane. Design and Right-of-Way Acquisition are programmed in FY 25/26. Construction funding is programmed in FY 28/29. The TYCP includes approximately \$7.9 million for this project.

Pittman - Upper Pittman – Southwest Pittman Detention Basin (PV = 85.0)

PTSD 0233, 0234, PTN2 0167 – This Developer Participation project consists of a 452 acre-foot detention basin, spillway, and 6' high unlined levee downstream of the basin spillway. Basin outflow discharges to a natural wash and to the Pittman North Detention Basin approximately 3.5 miles downstream. Design is programmed in FY 24/25. Construction is programmed in FY 27/28. The TYCP includes approximately \$6.7 million for this project.

Henderson (continued)

Pittman - Upper Pittman – Pittman Wash South Phase 2 – Larson Lane to Gilespie Street (PV = 77.0)

PTSD 0044, 0070, 0071, PTGS 0000 – This project consists of approximately 1,050 linear feet of concrete channel in Bermuda Road extending south from Larson Lane, 25' x 6' reinforced concrete box storm drain and concrete channel extending southwest from Bermuda Road to Gilespie Street, and 20' x 8' reinforced concrete box culvert under Gilespie Street near Roban Avenue. Design and Right-of-Way Acquisition are programmed in FY 26/27. Construction funding is programmed in FY 29/30. The TYCP includes approximately \$12.7 million for this project.

Pittman - Upper Pittman – Pittman Wash South Phase 3 – Gilespie Street, Roban Avenue to Via Inspirada Road (PV = 76.5)

PTSD 0135 – This project consists of approximately 5,635 linear feet of 8' x 6' reinforced concrete box storm drain in Gilespie Street near Roban Avenue, extending south to Via Inspirada Road. Design is programmed in FY 28/29. Construction funding is programmed in FY 31/32. The TYCP includes approximately \$11.1 million for this project.

C-1 - Cadiz Storm Drain – Racetrack Road to Pueblo Boulevard (PV = 85.0)

C1CA 0000 – This project consists of a 78" diameter reinforced concrete pipe in Cadiz Avenue from Racetrack Road to an existing concrete channel on the west side of Pueblo Boulevard. Design is programmed in FY 29/30. The TYCP includes approximately \$0.38 million for this project.

The funding programmed for the C-1 Channel and Pittman Wash Planning Areas in Henderson totals approximately \$61.6 million on the TYCP.

LAS VEGAS

Upper Northern Las Vegas Wash Planning Area
Gowan Planning Area and
Central Basin Planning Area

Projects being undertaken within these planning areas are being administered by either Las Vegas, North Las Vegas, or Clark County. A summary of the proposed program, along with major accomplishments for the City of Las Vegas is shown on the attached map labeled “Gowan, Central, and Upper Northern Basins Planning Area”. City of Las Vegas projects completed or funded for construction since 1987 include:

Alta Parallel System

Alta Storm Drain

Part of the Meadows Detention Basin Collection System

Angel Park Detention Basin Expansion

Angel Park Outfall Storm Drain

Vegas Drive between Angel Park Detention Basin and the Buffalo Channel

Ann Road Channel West – Rainbow Boulevard

Ann Road Detention Basin Facilities

Brent Drainage System – Floyd Lamb Park to Durango Drive

Bruce Street Storm Drain, Local Drainage Project

Buckskin Avenue Storm Drain, Local Drainage Project

Buffalo Channel

Between Gowan Detention Basin and Doe Avenue

Carey Avenue/Lake Mead Detention Basin and Conveyance System

Located along Lake Mead Boulevard between I-15 and Michael Way

Centennial Parkway Channel West – CC 215, Pioneer Way to US 95

Centennial Parkway Channel West – US95, CC215 to Grand Teton and US95 Crossing at Kyle Canyon Road

Centennial Parkway Channel West – US95 Crossing

Designed and will be constructed by NDOT as part of their US 95 Widening Project

Las Vegas (continued)

Cheyenne Channel

Gowan South Detention Basin to Buffalo Drive

Cheyenne Crossings

Developer participation project at Rampart, Soft Breezes, and Soaring Gulls

Colorado Avenue System

Clark County is the Lead Entity

Crystal Water Way, Lake South Drive to Desert Inn Road, Local Drainage Project

Durango Drive Storm Drain

Between Charleston Boulevard and Angel Park Detention Basin

Elkhorn Springs & Buffalo Storm Drain

Flamingo – Boulder Highway North – Boulder Hwy., Sahara to Charleston

Flamingo – Boulder Highway North, Charleston – Boulder Highway to Maryland Pkwy and Maryland Parkway System

Freeway Channel – Charleston Lateral

Freeway Channel – Washington, MLK to Rancho Drive

Gilmore Avenue – Decatur Boulevard to Thom Boulevard Storm Drain, Local Drainage Project

Gowan Detention Basins

The North and South Detention Basins are joint use recreation facilities

Gowan Detention Basin Outfall - Storm drain located in Gowan Road between Tenaya Way and Decatur Boulevard Decatur Boulevard to the Western Tributary of the Las Vegas Wash – City of North Las Vegas is the Lead Entity

Gowan Lone Mountain System – Branch 4

Gowan/Lone Mountain System – Gilmore Channel

Gowan Lone Mountain System – Cliff Shadows Park

Gowan North – Buffalo Branch

Gowan North – Buffalo Branch (Cheyenne Avenue to Lone Mountain Road)

Las Vegas (continued)

Gowan North – Buffalo Branch (Gowan Road and Buckskin Avenue)

Gowan North – Buffalo Branch, Lone Mountain to Washburn Road

Gowan North – El Capitan Branch, Ann Road to Centennial Parkway

Gowan North – El Capitan Branch, Lone Mountain to Ann Road

Gowan North Channel, El Capitan Way to the Beltway

Gowan North Channel – Phases I & II - Northern Gowan Detention Basin to Durango including the Durango Branch

Gowan North System – Phase III: Alexander Road to Lone Mountain Road

Gowan Outfall – Alexander Road, Decatur Boulevard to Simmons Street and Simmons Street to Clayton Street, North Las Vegas is the Lead Entity

Gowan Outfall, Craig Road to Channel, North Las Vegas is the Lead Entity

Gowan Outfall – Lone Mountain Branch, Decatur Boulevard to Channel

Gowan Outfall, Lone Mountain Branch (Ferrell Street to Kenny Way)

Gowan Outfall – Lone Mountain Branch (Rancho Drive to Decatur Boulevard)

Grand Teton – Hualapai to Tee Pee

Grand Teton Overpass – Storm Drain

Holmby Channel, Local Drainage Project

Horse Drive Interchange

I-15 Freeway Channel - Portion constructed as part of the Nevada Department of Transportation (NDOT) I-15/Sahara Avenue Interchange project in 1995. The Freeway Channel System, Alta Drive to Sahara Avenue and Bypass Facilities (from Wall Street to Sahara Avenue) were completed in August 2002.

Jay Avenue Improvements, Local Drainage Project

Jones Boulevard – Alta to Borden Storm Drain, Local Drainage Project

Langtry Channel – Bonanza Road to Washington Avenue

Las Vegas (continued)

Las Vegas Creek Channel, Parallel System at Decatur Boulevard

Las Vegas Creek Channel, Parallel System

Las Vegas Wash – Decatur Boulevard (Elkhorn Road to Farm Road)

Las Vegas Wash – Decatur & Elkhorn, CC 215

Las Vegas Wash – Elkhorn Road, Rainbow Boulevard to Torrey Pines Drive

Las Vegas Wash – Grand Teton, Mountain Spa to Durango Drive

Las Vegas Wash – Jones Boulevard, Elkhorn Road to Farm Road

Las Vegas Wash – Rainbow (Elkhorn Road to Grand Teton Drive)

Las Vegas Wash, Rancho Drive System (Carey/Lake Mead Detention Basin to Peak Drive)

Las Vegas Wash – Smoke Ranch System (Peak Drive: Torrey Pines Drive – Jones Boulevard)

Lexington Street Storm Drain, Local Drainage Project (Formerly known as Concord Street Storm Drain)

Lone Mountain Detention Basin, Right-of-Way Acquisition, Environmental Mitigation, and Construction Engineering

Lone Mountain System – Lone Mountain Detention Basin Outfall to Durango Drive

Luning Drive Storm Drain, Local Drainage Project

LVW – Moccasin, Skye Canyon Park to Upper LVW

Meadows – Charleston Storm Drain, Essex to Lindell

Meadows Detention Basin and Collection System

Meadows Detention Basin Expansion

North & South Environmental Enhancement Areas – Floyd Lamb Park

Oakey Boulevard Detention Basin and Outfall

Oakey Boulevard & Tenaya Way Storm Drain, Local Drainage Project

Las Vegas (continued)

Oakey Drain – Cahlan to Barnard

Oakey Drain, Birch Street to Cahlan Drive

Oakey – Meadows Storm Drain, Phase I

Oakey – Meadows Storm Drain – Phase II

Oakey – Meadows Storm Drain, Phase III

Owens Avenue System (Rancho Drive to I-15)

Peak Drive, Rainbow Boulevard to Torrey Pines Drive, Local Drainage Project

Peak Drive System (Jones Boulevard to Michael Way)

Rampart Storm Drain, Project in conjunction with the Regional Transportation Commission of Southern Nevada (RTC)

Rancho Detention Basin, Phase II

Rancho Road System: Durango Drive US-95 Interchange

Rancho Road System – El Campo Grande Storm Drain

Rancho Road System – Elkhorn, Fort Apache to Grand Canyon

Rancho Road System – Elkhorn, Grand Canyon to Hualapai

Rancho System – Beltway to Elkhorn

Vegas Drive Storm Drain – Rancho to Shadow Mountain

Washington Avenue System - Las Vegas Creek from Las Vegas Wash beneath Sandhill Road to Washington Avenue then along Washington Avenue to Sagman Street; Sagman Street to Bonanza Road; Bonanza Road to Veterans Memorial Drive; Veterans Memorial Drive to UPRR; and UPRR to Alta Drive (southeast quadrant of the Spaghetti Bowl).

Washington Avenue System (Martin Luther King Boulevard to I-15) and Freeway Channel North (Washington Avenue to Vegas Drive)

District funding since 1987 for the projects plus design efforts on future projects totals approximately \$830,999,527.

Las Vegas (continued)

The projects proposed on the TYCP in hydrographic basin order with Priority Value (PV) include the following:

Central - LV Wash I-15 Tributary – Freeway Channel – Washington Avenue, Valley View Boulevard to Michael Way (PV = 74.5)

LV15 0602 – This project consists of dual 66” diameter reinforced concrete pipes in Washington Avenue from just west of Valley View Boulevard to Michael Way. Design is programmed in FY 27/28 and construction funding is programmed in FY 30/31. The TYCP includes approximately \$10.6 million for this project.

Central - LV Wash I-15 Tributary – Freeway Channel – Washington Avenue, Rancho Drive to Valley View Boulevard (PV = 83.5)

LV15 0528 – This project consists of 8’ x 8’ reinforced concrete box storm drain in Washington Avenue from Rancho Drive to just west of Valley View Boulevard. Design is programmed in FY 26/27 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$9.5 million for this project.

Central - LV Wash I-15 Tributary – Lake Mead – Carey – Lake Mead Detention Basin Outfall (PV = 91.5)

LVL M 0221 – This project consists of a 48” diameter reinforced concrete pipe outlet from the Carey – Lake Mead Detention Basin to the existing storm drain in Carey Avenue and addition of a water quality feature. Design is underway and construction funding is programmed in FY 22/23. The TYCP includes approximately \$0.56 million for this project.

Central - LV Wash I-15 Tributary – Owens Avenue System – Vegas Drive Storm Drain, Shadow Mountain Place to Jones Boulevard (PV = 88.0)

LVOW 0360 – This project consists of 8’ x 6’ reinforced concrete box storm drain in Vegas Drive from Shadow Mountain Place to Jones Boulevard. Design is underway. Construction funding is programmed in FY 23/24. The TYCP includes approximately \$8.6 million for this project.

Central - LV Wash I-15 Tributary – Miller Avenue, Losee Road to Commerce Street and Commerce Street, Miller Avenue to Carey Avenue (PV = 73.5)

LVS R 0010, 0021 – This project replaces existing reinforced concrete pipe with 10’ x 5’ reinforced concrete box storm drain in Miller Avenue from Losee Road to Commerce Street and in Commerce Street from Miller Avenue to Carey Avenue. Design is programmed in FY 27/28 and construction funding is programmed in FY 30/31. The TYCP includes approximately \$4.0 million for this project.

Central - LV Wash I-15 Tributary – Carey Avenue, Commerce Street to Martin Luther King Boulevard (PV = 73.5)

LVS R 0046, 0071 – This project replaces existing reinforced concrete pipe with 10’ x 5’ and 10’ x 8’ reinforced concrete box storm drain in Carey Avenue from Commerce Street

Las Vegas (continued)

to Martin Luther King Boulevard. Design is programmed in FY 28/29 and construction funding is programmed in FY 31/32. The TYCP includes approximately \$12.7 million for this project.

Central - LV Wash Central – Las Vegas Wash – Stewart Avenue to Bonanza Road (PV = 83.5)

LVMD 1121, 1149 – This project replaces an existing earth channel with 70' to 90' wide, 10' to 11' deep concrete channels within the Las Vegas Wash – Middle Branch, from Stewart Avenue to Bonanza Road. Design is programmed in FY 26/27 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$9.1 million for this project.

Central - LV Wash Central – Las Vegas Wash – Stewart Avenue, Las Vegas Wash to Lamb Boulevard (PV = 87.5)

LVST 0000 – This project consists of 10' x 10' reinforced concrete box storm drain in Stewart Avenue from the Las Vegas Wash to Lamb Boulevard. Design is underway. Construction funding is programmed in FY 23/24. The TYCP includes approximately \$29.2 million for this project.

Central - LV Wash Central – Meadows Detention Basin Upgrade (PV = 87.0)

LCME 0018, 0021 – This Las Vegas Valley Water District participation project consists of raising the existing detention basin spillway by 1' and increasing the basin volume to 249 acre-feet. Design is underway. Construction funding is programmed in FY 24/25. The TYCP includes approximately \$2.3 million for this project.

Central - LV Wash Central – Owens Avenue East – Las Vegas Wash to Eastern Avenue (PV = 86.5)

LVOE 0000, 0085 – This project consists of 14' x 12' and 15' x 12' reinforced concrete box storm drain in Owens Avenue from the Las Vegas Wash to Eastern Avenue. Design is underway. Construction funding is programmed in FY 26/27. The TYCP includes approximately \$24.5 million for this project.

Central - LV Wash Central – Meadows/Charleston – Via Olivero Avenue, Montessouri Street to Buffalo Drive (PV = 86.5)

MECH 0424 – This project consists of 6' x 6' reinforced concrete box storm drain in Via Olivero Avenue from Montessouri Street to Buffalo Drive. Design is underway. Construction funding is programmed in FY 24/25. The TYCP includes approximately \$5.5 million for this project.

Central - LV Wash Central – Owens Avenue East – Eastern Avenue to Main Street (PV = 85.0)

LVOE 0134 – This project consists of 12' x 11' reinforced concrete box storm drain in Owens Avenue from Eastern Avenue to Main Street. Design is programmed in FY 25/26

Las Vegas (continued)

and construction funding is programmed in FY 28/29. The TYCP includes approximately \$17.1 million for this project.

Central - LV Wash Central – Las Vegas Wash – Stewart Avenue, Lamb Boulevard to Mojave Road (PV = 85.5)

LVST 0088, 0188 – This project consists of 10' x 9' and 8' x 8' reinforced concrete box storm drain in Stewart Avenue from Lamb Boulevard to Mojave Road. Design is programmed in FY 25/26 and construction funding is programmed in FY 27/28. The TYCP includes approximately \$15.6 million for this project.

Central - LV Wash Central – Las Vegas Wash – Cedar Channel/Bonanza Road – Las Vegas Wash to Lamb Boulevard (PV = 78.5)

LVBZ 0000, CACH 0001, 0020 – This project replaces a portion of the existing Cedar Avenue Channel from the Las Vegas Wash to Marion Drive with 22' to 31' wide, 6.5' to 12' deep concrete channels. Dual 12' x 7' reinforced concrete box storm drain extends north in Marion Drive from the proposed channel to Bonanza Road. Design is programmed in FY 26/27 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$10.9 million for this project.

Central - Sahara Boulder Highway – Boulder Highway Sahara Avenue – Eastern Avenue to Boulder Highway (PV = 85.0)

BHSA 0000, 0026 – This project consists of 14' x 11' and 16' x 14' reinforced concrete box storm drain in Sahara Avenue from Boulder Highway to Eastern Avenue. Pre-Design has begun; additional design funding is programmed in FY 26/27. Construction funding is programmed in FY 28/29. The TYCP includes approximately \$20.5 million for this project.

Central - Sahara Boulder Highway – Sahara Avenue – Eastern Lateral (PV = 84.0)

SAEA 0000 – This project consists of 10' x 7' reinforced concrete box storm drain in Eastern Avenue from Sahara Avenue to St. Louis Avenue. Design is programmed in FY 26/27 and construction funding is programmed in FY 28/29. The TYCP includes approximately \$3.2 million for this project.

Central - Sahara Boulder Highway – Boulder Highway Sahara Avenue – Maryland Parkway to Eastern Avenue (PV = 75.0)

BHSA 0075 – This project consists of 12' x 11' reinforced concrete box storm drain in Sahara Avenue from Eastern Avenue to Maryland Parkway. Design is programmed in FY 27/28 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$17.2 million for this project.

Central - Sahara Boulder Highway – Flamingo – Boulder Highway North, Charleston Boulevard – Main Street to Maryland Parkway (PV = 87.5)

FLBN 0281, 0312 – This project consists 10' x 7' and 7' x 4' reinforced concrete box storm drain in Charleston Boulevard from Maryland Parkway to Main Street. Design is

Las Vegas (continued)

underway. Construction funding is programmed in FY 23/24. The TYCP includes approximately \$24.8 million for this project.

Gowan - Gowan North – Gowan Outfall – Clayton Branch (PV = 85.5)

GOCL 0000 – This project consists of 9' x 8' reinforced concrete box storm drain in Clayton Street from the Gowan Outfall Channel to Washburn Road and in Washburn Road from Clayton Street to Simmons Street. Design is programmed in FY 26/27 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$15.5 million for this project.

Gowan - Gowan North – Gowan – Alexander Road, Rancho Drive to Decatur Boulevard (PV = 92.0)

GOAL 0000, 0056 – This project is in conjunction with the Regional Transportation Commission of Southern Nevada and consists of 19' x 6' and 14' x 6' reinforced concrete box storm drain in Alexander Road from Decatur Boulevard to Rancho Drive. Design is underway. Construction funding is programmed in FY 25/26. The TYCP includes approximately \$15.9 million for this project.

Gowan - Gowan North – Gowan – Craig Road and US-95 (PV = 85.0)

GOAL 0168, 0247 – This project consists of 10' x 7' reinforced concrete box storm drain in Craig Road from Rancho Drive to US-95 and concrete channel improvements on the west side of US-95 from Craig Road to Lone Mountain Road. Design is programmed in FY 27/28 and construction funding is programmed in FY 30/31. The TYCP includes approximately \$12.1 million for this project.

Gowan - Gowan North – Gowan – Rancho Drive, Alexander Road to Jones Boulevard and Alexander Branch (PV = 90.5)

GOAL 0100, GOA2 0000 – This project consists of 10' x 8' reinforced concrete box storm drain in Rancho Drive from Alexander Road to Jones Boulevard and 8' x 6' reinforced concrete box storm drain in Alexander Road from Rancho Drive to Torrey Pines Drive. Design is programmed in FY 23/24 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$6.2 million for this project.

Upper Northern LV Wash - Ann Road - Ann Road Channel West – Jones Boulevard, Ann Road to Tropical Parkway (PV = 90.0)

ANJO 0000 – This project consists of 10' x 4' reinforced concrete box storm drain in Jones Boulevard from Ann Road to Tropical Parkway. Design is programmed in FY 22/23 and construction funding is programmed in FY 25/26. The TYCP includes approximately \$4.3 million for this project.

Upper Northern LV Wash - Ann Road - Ann Road Channel West – Decatur Boulevard, Ann Road to Tropical Parkway (PV = 80.5)

ANDE 0000 – This project consists of 10' x 5' reinforced concrete box storm drain in Decatur Boulevard from Ann Road to Tropical Parkway. Design is programmed in

Las Vegas (continued)

FY 26/27 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$5.1 million for this project.

Upper Northern LV Wash - Upper Western Tributary – Brent Drainage System – Durango Drive to OHare Road (PV = 94.0)

BRDB 0107, 0157 – This project consists of 8' x 6' reinforced concrete box storm drain in Brent Lane from Durango Drive to El Capitan Way and 12' x 7' reinforced concrete box storm drain in El Capitan Way from Brent Lane to OHare Avenue. Design is underway. Construction funding is programmed in FY 22/23. The TYCP includes approximately \$9.2 million for this project.

Upper Northern LV Wash - Upper Western Tributary - Centennial Parkway Channel West – Farm Road, Oso Blanca Road to Tee Pee Lane (PV = 90.0)

CNFR 0000 – This project consists of 8' x 6' reinforced concrete box storm drain in Farm Road from Oso Blanca Road to Tee Pee Lane. This facility will connect to the existing lateral in Farm Road, constructed with the Centennial Parkway Channel West facility at US-95. Design is underway. Construction funding is programmed in FY 24/25. The TYCP includes approximately \$15.7 million for this project.

Upper Northern LV Wash - Upper Western Tributary - Centennial Parkway Channel West - Farm Road - Tee Pee Lane to Hualapai Way (PV = 85.0)

CNFR 0400 – This project consists of 8' x 6' reinforced concrete box storm drain in Farm Road from Tee Pee Lane to Hualapai Way. Design is programmed in FY 23/24 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$7.4 million for this project.

The funding programmed for the Upper Northern Las Vegas Wash, Central Basin and Gowan Planning Areas in Las Vegas totals approximately \$317.5 million on the TYCP.

NORTH LAS VEGAS

Lower Northern Las Vegas Wash Planning Area
Range Wash Planning Area and
Lower Las Vegas Wash Planning Area
Apex Planning Area

Projects being undertaken within these planning areas are being administered by either North Las Vegas, Las Vegas, or Clark County. A summary of the proposed program, along with major accomplishments for the City of North Las Vegas is shown on the attached map labeled “Lower North, Range, Lower Las Vegas Wash Basins and Apex Planning Area”. Projects completed or funded for construction since 1987 include:

“A” Channel Three Bridges Project (Cheyenne Avenue, Las Vegas Boulevard, and Carey Avenue)

Ann Road, Allen Lane to Rancho Drive
Las Vegas is the Lead Entity

Ann Road Channel East, ULVW to Fifth Street

Beltway Detention Basin, Collection and Outfall

Brooks Channel

Camino Al Norte Crossing
Part of the Western Tributary of the Las Vegas Wash (first developer participation contract with the District)

Centennial Collector

Centennial Parkway Channel East

Central Freeway Channel at Cheyenne

Cheyenne Peaking Basin, Collection and Outfall – Alexander Road to Cheyenne Avenue

Colton Avenue Flood Control Improvements

Confluence Detention Basin
Clark County is the Lead Entity

Fifth Street Collector, Centennial Parkway to Deer Springs Way

Freeway Channel – Owens Avenue to Miller Avenue – Phase I and Phase II

North Las Vegas (continued)

Hollywood System – Dunes South Detention Basin to Centennial Parkway, Phase I

Hollywood System, Centennial Parkway to Speedway #2 Detention Basin

Hollywood System, Phase II, Nellis Air Force Base Reach

Kyle Canyon Detention Basin

Las Vegas Wash Improvements and King Charles Diversion Project

From I-15 to Craig Road

Las Vegas Wash – Las Vegas Boulevard to Cheyenne Avenue

Las Vegas Wash – Losee Road

Las Vegas Wash Main Branch – Las Vegas Boulevard to Lake Mead Boulevard

Las Vegas Wash – “N” Channel, Cheyenne to Gowan

Las Vegas Wash, Water Reclamation Channel

Clark County is the Lead Entity

Lower Las Vegas Wash Detention Basin

A joint use recreation facility

Oak Island Drive Storm Drain Improvements, Local Drainage Project

Orchard Detention Basin

Clark County is the Lead Entity

Rancho Road System – Centennial Parkway to Rancho Road Detention Basin

Las Vegas is the Lead Entity

Range Wash – Lamb Boulevard Storm Drain

Range Wash – Ann Branch Phase I

Range Wash – Ann Branch, Phase II

Simmons Street Channel

Simmons Street Drainage Improvements, Alexander Road to Gowan Outfall Channel

Simmons Street – Phase II, Carey to Cheyenne

North Las Vegas (continued)

Sloan Channel, Las Vegas Wash to Charleston Boulevard

Clark County is the Lead Entity

Sloan Channel – Stewart Avenue to Charleston Boulevard

Clark County is the Lead Entity

Tributary to the Western Tributary at Alexander Road

Tributary to the Western Tributary at Craig Road (“A” Channel Craig Confluence)

Tropical Parkway Channel East

Upper Las Vegas Wash

Upper Las Vegas Wash, Craig Road to Elkhorn Road (Phase I – Centennial Parkway to Craig Road)

Upper Las Vegas Wash Detention Basin and Diversion Dike

Located on the Las Vegas Wash at the upstream area of the Las Vegas Valley

Vandenberg Detention Basin

Vandenberg North Detention Basin, Collection & Outfall – Phase I

Clark County is the Lead Entity

Vandenberg North Detention Basin, Collection & Outfall, Phase II

Washington Collection System

Clark County is the Lead Entity

West Range Wash Diversion Dike

Western Tributary of the Las Vegas Wash

Camino Al Norte to Centennial Parkway (excluding the reach between the Lower Las Vegas Wash Detention Basin and Clayton Street)

Western Tributary of the Las Vegas Wash

From Alexander Road to north of Craig Road

District funding since 1987 for the projects plus design efforts on future projects total approximately \$387,615,490.

North Las Vegas (continued)

Projects proposed on the TYCP in hydrographic basin order with Priority Value (PV) include the following:

Lower Northern LV Wash - Lower Western Tributary – Lower Las Vegas Wash Detention Basin Inflow Channel (PV = 71.5)

LVMD 2052, 2053, 2054, 2055 – This project includes 50' to 60' wide, 5' to 6' deep concrete rectangular channels within the Las Vegas Wash – Middle Branch, upstream of the Lower Las Vegas Detention Basin. Design is programmed in FY 25/26 and construction funding is programmed in FY 28/29. The TYCP includes approximately \$3.9 million for this project.

Lower Northern LV Wash - LV Wash Craig – North Las Vegas Detention Basin Upgrade (PV = 77.0)

LVUP 0401, 0406, 0407, 0422, 0443, 0444, 0445 – This project will expand the existing North Las Vegas Detention Basin by approximately 960 acre-feet. Design is underway. Construction funding is programmed in FY 24/25. The TYCP includes approximately \$17.4 million for this project.

Lower Northern LV Wash - LV Wash Craig – Iron Mountain Road, Bradley Road to Decatur Boulevard (PV = 77.0)

IRMO 0000 – This project consists of 8' x 8' reinforced concrete box storm drain in Iron Mountain Road from Decatur Boulevard to Bradley Road. Design is underway. Construction funding is programmed in FY 23/24. The TYCP includes approximately \$5.0 million for this project.

Lower Northern LV Wash - LV Wash Craig – Range Wash – Las Vegas Diversion Channel (PV = 72.5)

LVRW 0025, 0027, 0038, 0039 – This project replaces an existing unlined channel extending northeast from the North Las Vegas Detention Basin with 64' to 65' wide, 7' to 8.5' deep, concrete rectangular and trapezoidal channels. Triple 20' x 10.5' reinforced concrete box culverts are proposed at two locations along the alignment, the first approximately 1,300 linear feet northeast of the basin, the second at the Grand Teton Drive alignment. Design is programmed in FY 24/25 and construction funding is programmed in FY 27/28. The TYCP includes approximately \$10.7 million for this project.

Lower Northern LV Wash - Cheyenne Lamb Nellis – Lake Mead Storm Drain, Las Vegas Wash to Civic Center Drive (PV = 80.0)

LVLE 0000, 0047 – This project consists of 12' x 6' and 12' x 4' reinforced concrete box storm drain in Lake Mead Boulevard from the Las Vegas Wash - Middle Branch confluence at Pecos Road to just east of Civic Center Drive. Design is underway. Construction funding is programmed in FY 23/24. The TYCP includes approximately \$8.5 million for this project.

North Las Vegas (continued)

Lower Northern LV Wash - Cheyenne Lamb Nellis – Las Vegas Boulevard Storm Drain (PV = 72.5)

LVLV 0000 – This project consists of dual 10' x 8' reinforced concrete box storm drain in Las Vegas Boulevard from the Las Vegas Wash to Pecos Road. Design is programmed in FY 24/25 and construction funding is programmed in FY 27/28. The TYCP includes approximately \$9.4 million for this project.

Lower Northern LV Wash - Cheyenne Lamb Nellis – Las Vegas Wash Cartier Channel Phase 1 (PV = 81.5)

LVCC 0000, 0030, 0035 – The Phase 1 project is in conjunction with the Regional Transportation Commission of Southern Nevada and consists of 10' x 5' reinforced concrete box storm drain in Las Vegas Boulevard from Carey Avenue to Lake Mead Boulevard. Design for Phase 1 is underway and includes design for Phase 2. Construction funding is programmed in FY 22/23. The TYCP includes approximately \$10.0 million for Phase 1.

Lower Northern LV Wash - Cheyenne Lamb Nellis – Las Vegas Wash Cartier Channel Phase 2 (PV = 81.5)

LVCC 0000, 0030 – The Phase 2 project consists of 12' wide, 9.5' deep, rectangular concrete channel along the Cartier Avenue alignment from the Las Vegas Wash to Las Vegas Boulevard and 10' x 5' reinforced concrete box storm drain in Las Vegas Boulevard from Cartier Avenue to Carey Avenue. Design for Phase 2 is being prepared as part of Phase 1. Right of Way Acquisition and construction funding is programmed in FY 23/24. The TYCP includes approximately \$17.0 million for Phase 2.

Range - Lower Range – Orchard Collector – Charleston Boulevard to Linden Avenue (PV = 83.5)

SLOR 0158 – This project consists of a soil cement-lined levee that extends south from the Linden Avenue alignment to Charleston Boulevard, along the base of Sunrise Mountain. This facility collects flows from the east and conveys it south to the Orchard Detention Basin. Design is underway. Construction funding is programmed in FY 22/23. The TYCP includes approximately \$6.9 million for this project.

Range - Lower Range – Jim McGaughey Detention Basin & Outfall (PV = 83.0)

SLWA 0130, 0150, 0151, 0152, 0153, 0175, SLOW 0000, 0005 – This project consists of an 88 acre-foot detention basin, spillway, two inlet facilities, and one outlet facility. The inlet facilities consist of a concrete channel on the south side of the basin and 6' x 6' and 8' x 6' reinforced concrete box storm drain on the north side of the basin. The outlet facilities consist of 24" and 36" diameter reinforced concrete pipes extending west from the basin and connecting to existing concrete channel, SLWA 0091, west of Hollywood Boulevard. Design is underway. Right-of-Way Acquisition and construction funding is programmed in FY 22/23. The TYCP includes approximately \$19.3 million for this project.

North Las Vegas (continued)

Range - Lower Range – Range Wash – Sloan Channel, Stewart Bridge (PV = 79.0)

RWSL 0187 – This project consists of replacing the existing eight 10' x 3.5' reinforced concrete box culverts in the Sloan Channel at Stewart Avenue with an 80' wide by 4' deep bridge structure to increase conveyance capacity. Design is programmed in FY 23/24 and construction funding is programmed in FY 25/26. The TYCP includes approximately \$2.5 million for this project.

Range - Lower Range – Alto Conveyance, Confluence Detention Basin to Los Feliz (PV = 58.0)

RWAL 0000, 0068 – This project consists of 14' x 6' to 14' x 7' reinforced concrete box storm drain in Alto Avenue from Los Feliz Street to the Confluence Detention Basin. Design is programmed in FY 28/29 and construction funding is programmed in FY 31/32. The TYCP includes approximately \$17.2 million for this project.

Range - Lower Range – Confluence Detention Basin Upgrade (PV = 58.0)

RWSL 0503 – This project consists of a 920 acre-foot expansion to the existing Confluence Detention Basin. Design is programmed in FY 28/29 and construction funding is programmed in FY 31/32. The TYCP includes approximately \$8.1 million for this project.

Range - West Range – Nellis Storm Drain – Sloan Channel to Craig Road (PV = 68.5)

SLNL 0000, 0064 – This project consists of dual 12' x 11' and a 12' x 10' reinforced concrete box storm drain in Nellis Boulevard from the Range Wash – Sloan Channel to Craig Road. Design is programmed in FY 26/27 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$24.5 million for this project.

Range - West Range – Las Vegas Boulevard Storm Drain – Nellis Boulevard to Range Road (PV = 68.0)

SLLV 0000 – This project consists of 12' x 10' reinforced concrete box storm drain in Las Vegas Boulevard from Range Road to Nellis Boulevard. Design is programmed in FY 26/27. Construction funding is programmed in FY 29/30. The TYCP includes approximately \$19.5 million for this project.

Range - West Range – Range Wash – Beltway Conveyance (PV = 74.5)

RWBW 0035, 0037, 0066, 0083, RWWE 0518, 0520, 0550 – This project consists of 14' to 16' wide, 10' to 11.5' deep, rectangular concrete channel and 16' x 10' reinforced concrete box storm drain on the north side of the CC 215 Beltway extending west from Pecos Road to Losee Road and 10' wide, 8' deep, rectangular concrete channel and 10' x 7' reinforced concrete box storm drain extending east from Pecos Road to Lamb Boulevard. These facilities connect to existing reinforced concrete box culverts under the Beltway's westbound on and off ramps at Pecos Road. Design is programmed in FY 23/24. Construction funding is programmed in FY 26/27. The TYCP includes approximately \$14.3 million for this project.

North Las Vegas (continued)

Range - West Range – Beltway Collection System – Pecos Road (PV = 79.0)

RWWE 0500, RWBW 0011, 0013 – This project consists of 16' x 8' and 10' x 7' reinforced concrete box storm drain and a transitional channel in the infield area of the CC 215 Beltway/Pecos Road interchange. These facilities connect to existing reinforced concrete box storm drains at Pecos Road, constructed with the CC 215 Northern Beltway project, and provides the downstream connection for the Beltway Conveyance project. Design is programmed in FY 23/24 and construction funding is programmed in FY 25/26. The TYCP includes approximately \$4.1 million for this project.

Range - West Range – Sloan Channel East Branch and Range Wash West Tributary (PV = 64.0)

SLEB 0046, 0053, RWWE 0000 – This project consists of 46' wide, 5' deep, concrete rectangular channels (SLEB 0046 and 0053) and a 12' wide, 6.5' deep, concrete trapezoidal channel (RWWE 0000) through private properties. These facilities connect to existing facilities upstream and downstream. Design is programmed in FY 26/27 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$3.6 million for this project.

Range - East Range – Speedway North Detention Basin and Outfall (PV = 59.0)

RWHW 0459, 0498, 0499, 0500 – This project consists of a 770 acre-foot detention basin, spillway, 54" and 66" diameter outlet pipes extending south to Speedway #2 Detention Basin. Design and Right-of-Way Acquisition are programmed in FY 27/28. Construction funding is programmed in FY 30/31. The TYCP includes approximately \$16.3 million for this project.

Range - East Range – Speedway #3 Detention Basin Expansion and Inflow/Outflow Facilities (PV = 72.0)

RWSP 0000, 0024, 0026, 0076 – This project consists of a 134 acre-foot expansion to Speedway Detention Basin #3, a gabion inflow channel, and 54" detention basin outlet pipe and riprap channel extending south to Speedway #2 Detention Basin. Design is programmed in FY 25/26 and construction funding is programmed in FY 28/29. The TYCP includes approximately \$4.7 million for this project.

Apex - North Apex – System 1 Detention Basin and Outfall (PV = 72.0)

NAP1 0000, 0002, 0009, 0152, 0153, 0154 – This project consists of a 2,050 acre-foot detention basin, spillway, and outlet facilities. The outlet consists of 4' x 4' reinforced concrete box storm drain, riprap channel with concrete bottom, and energy dissipater on the east side of US-93. A 6' x 5' reinforced concrete box culvert replaces the existing 48" diameter corrugated metal pipe culvert under US-93. Design is programmed in FY 23/24, Right-of-Way Acquisition is programmed in FY 24/25, and construction funding is programmed in FY 26/27. The TYCP includes approximately \$30.8 million for this project.

North Las Vegas (continued)

The funding programmed for the Lower Northern Las Vegas Wash, Range Wash, Lower Las Vegas Wash, and Apex Planning Areas in North Las Vegas totals approximately \$253.8 million on the TYCP.

CLARK COUNTY
Duck Creek/Blue Diamond Planning Area
Tropicana/Flamingo Planning Area
Outlying Areas

A summary of the proposed program, along with major accomplishments for Clark County within the Las Vegas Valley is shown on the attached map labeled “Flamingo, Tropicana, Duck Creek, and Blue Diamond Planning Area”. Projects completed or funded for construction since 1987 include:

Las Vegas Valley:

Annie Oakey Drive at Rawhide Channel Storm Drain, Local Drainage Project

Blue Diamond Channel 02, Decatur – Le Baron Channel to Richmar, Phase 1

Blue Diamond Channel, Jones Branch

Blue Diamond Channel – Rainbow Branch

Blue Diamond Wash, Arville Street to I-15

Blue Diamond Wash South Rainbow, Pebble – Raven and Wigwam to Ford

Blue Diamond Wash Wigwam, Jones Boulevard to Rainbow Boulevard

Blue Diamond Wash Wigwam, UPRR to Jones Boulevard

Carey Avenue Storm Drain, Local Drainage Project

Craig Road Storm Drain – El Capitan to Fort Apache, Local Drainage Project

Desert Inn Detention Basin Collection System and Outfall

Duck Creek at Dean Martin

Duck Creek at Robindale Road

Duck Creek Haven Street Storm Drain

Duck Creek Jones Boulevard

Duck Creek, Broadbent Boulevard Bridge and Channel

Duck Creek, Broadbent Boulevard to Boulder Highway

Clark County (continued)

Duck Creek, Eldorado Lane to Spencer Street

Duck Creek, Emerald Avenue to Stephanie Street, Phase I

Duck Creek, Las Vegas Boulevard

Duck Creek, Lower Detention Basin to Silverado Ranch Boulevard

Duck Creek, Mountain Vista Street to Green Valley Parkway

Duck Creek, Phase II and Lower Pittman

Duck Creek, Railroad Detention Basin

Duck Creek, Railroad near Warm Springs to Topaz Street

Duck Creek, Robindale to I-215

Duck Creek, Tomiyasu Lane to the Railroad near Warm Springs

Duck Creek, Tomiyasu Lane to Topaz Street

Duck Creek, Topaz Street to Eastern Avenue

Duck Creek, US-95 Branch

Durango Collector

Flamingo – Boulder Highway North, Sahara Avenue to Flamingo Wash

Flamingo Diversion – Jones Branch

Flamingo Diversion – Rainbow Branch

Flamingo Diversion – South Buffalo Branch, Flamingo Wash to Sunset Road

Flamingo Hacienda

Flamingo Wash at Boulder Highway

Flamingo Wash, Algonquin Drive to Maryland Parkway

Flamingo Wash, Boulder Highway to Mojave Road (Miracle Mile)

Clark County (continued)

Flamingo Wash Bridges

At Arville, Eastern, Paradise, and Palo Verde

Flamingo Wash, Desert Inn to Eastern Avenue

Flamingo Wash, Eastern Avenue

Flamingo Wash, I-515 to Boulder Highway

Flamingo Wash, Nellis Boulevard to I-515

Flamingo Wash, Spencer Street Bridge and Approach Channel

Hickam Avenue Storm Drain, Local Drainage Project

Lakes Detention Basin, Collection, and Outfall System - A joint use recreation facility

Las Vegas Blvd/Serene Avenue Storm Drain, Local Drainage Project

Las Vegas Wash – Sloan Channel to Stewart Avenue and Flamingo Wash below Nellis Boulevard (CC Segment)

- The City of Las Vegas funds a segment of this project
- The City of North Las Vegas funds a segment of this project
- Clark County is the Lead Entity

Lower Blue Diamond Detention Basin

Lower Blue Diamond Detention Basin Collector Channel

Lower Blue Diamond Detention Basin Outfall

Lower Duck Creek Detention Basin and Outfall Channel

Lower Flamingo Detention Basin

Olive Street Storm Drain, US-95 to Palm Street, Local Drainage Project

Rawhide Channel at Sagebrush Street

Rawhide Channel System

Red Coach Avenue/Cimarron Road Improvements, Local Drainage Project

Clark County (continued)

Red Rock Channel, Naples Branch

Red Rock Channel, Naples Branch – Flamingo Connector

Silverado Ranch Detention Basin, Collection & Outfall

Sloan Channel, Las Vegas Wash to Charleston Boulevard

Sunrise Avenue Area Storm Drain, Local Drainage Project

Sunrise Avenue Storm Drain, Fogg Street to Clayton Street, Local Drainage Project

Toiyabe Street Storm Drain, Local Drainage Project

This project was combined with the Carey Street Storm Drain, Local Drainage Project

Tomiyasu and La Casita Crossings of Duck Creek

Tropicana North Branch Detention Basin

Tropicana Wash at Swenson Street

Tropicana and Flamingo Washes Project:

- **Blue Diamond and Red Rock Channels (Beltway Sections 7A, 7B, 8, and 9)**
- **Blue Diamond Channel – Durango Reach (Warm Springs Intersection)**
- **Blue Diamond Detention Basin**
- **F-1 Channel, Beltway to Hualapai Way**
- **F-1 and F-2 Debris Basins and Channels, Phase II**
- **F-4 Debris Basin and Channel**
- **F-4 Patrick Lane/Fort Apache Road Lateral**
- **Flamingo Detention Basin Expansion**
- **Lower Blue Diamond Channel**
- **Lower Flamingo Diversion Channel, Phase I (Tropicana Detention Basin to Jones Boulevard)**

Clark County (continued)

- Lower Red Rock Complex**
- R-4 Detention Basin and Channel**
- Red Rock Channel (Beltway Section 10A)**
- Red Rock Detention Basin Expansion**
- Red Rock Detention Basin Scour Protection and Outfall Channel**
- Tropicana Detention Basin and Outfall Channel**
- Upper Blue Diamond Diversion Channel**
- Upper Flamingo Detention Basin Expansion**
- Upper Flamingo Diversion Channel, Phase II**

Tropicana Wash Channel - Paradise Road to Koval Lane

Tunis Avenue and Karvel Street Storm Drain, Local Drainage Project

Twain at Pecos-McLeod Storm Drain, Local Drainage Project

Upper Duck Creek Detention Basin

Upper Flamingo Detention Basin and Outfall System

Van Buskirk Channel System

Wagon Trail Channel – Sunset Road to Teco Avenue

Washington/Hollywood Storm Drain, Local Drainage Project

Washington Collection System (Montridge Storm Drain)

Winnick Avenue Improvements - On the Flamingo Wash

Outlying Areas:

Bunkerville Detention Conveyance System (Windmill Wash)

Bunkerville – Windmill Wash Outfall

Clark County (continued)

Cooper Crossing in Moapa Valley

Fairgrounds Detention Basin and Outfall

Hiko Springs Detention Basin (SID and District funded)

Hiko Springs Outfall Channel

Indian Springs Detention Basin

Logan (Benson) Wash Improvements in Moapa Valley

Muddy River, Cooper Street Bridge

Muddy River, Gubler Avenue Bridge

Muddy River Logandale Levee

Searchlight Flood Control Improvements

Searchlight – South, Encinitas St. Storm Drain

SR 163 at Casino Drive in Laughlin

Unnamed Wash Improvements in Laughlin

District funding since 1987 for the projects plus design efforts of future projects total approximately \$636,965,353.

The projects proposed on the TYCP for Clark County within the Las Vegas Valley in hydrographic basin order with Priority Value (PV) include the following:

Tropicana/Flamingo - Tropicana Flamingo Project – Blue Diamond – Buffalo Branch, Badura to Mesa Verde (PV = 76.5)

BDBF 0010, 0076, 0125 – This project consists of 10' x 5' to 10' x 8' reinforced concrete box storm drain in Buffalo Drive from Badura Avenue to West Mesa Verde Lane. Design is programmed in FY 23/24 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$11.5 million for this project.

Clark County (continued)

Tropicana/Flamingo - Tropicana Flamingo Project – Flamingo – Cimarron Branch, Russell Road to Patrick Lane (PV = 87.0)

FLCM 0003 – This project consists of 84” diameter reinforced concrete pipe storm drain, west of the Cimarron Road alignment from Russell Road to Patrick Lane. Design is underway. Construction funding is programmed in FY 23/24. The TYCP includes approximately \$3.2 million for this project.

Tropicana/Flamingo - Flamingo Decatur – Flamingo Wash, Jones Boulevard to Tropicana Avenue (PV = 72.5)

FLWA 1153, 1204 – This project replaces the existing earth and concrete channels along the Flamingo Wash with a 50’ wide, 6’ deep, gabion channel from Jones Boulevard to Torrey Pines Drive and a 40’ wide, 4.5’ deep, concrete channel from Torrey Pines Drive to Tropicana Avenue. Design is programmed in FY 26/27 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$5.1 million for this project.

Tropicana/Flamingo - Lower Flamingo – Flamingo Wash, Maryland Parkway to Palos Verde Street (PV = 92.0)

FLWA 0621, 0673 – This project replaces existing earth channels along the Flamingo Wash with a 50’ wide, 7’ deep, concrete channel from Maryland Parkway to Cambridge Street and a 25’ wide, 7.5’ deep, concrete channel from University Center Drive (formerly Swenson Street) to Palos Verde Street. Design is underway. Construction funding is programmed in FY 22/23. The TYCP includes approximately \$7.4 million for this project.

Tropicana/Flamingo - Lower Flamingo – Airport Channel – Naples Channel and Peaking Basin (PV = 92.0)

TRMC 0013, 0014, 0031, 0033, TRSW 0080 – This project replaces the existing un-lined Naples Channel between Harmon Avenue and Tropicana Avenue with a 17’ wide, 6’ deep concrete rectangular channel. This channel along with a 36” diameter reinforced concrete pipe primary outlet from the Harry Reid (formerly McCarran) Airport Peaking Basin connects to existing reinforced concrete box culverts, TRMC 0011, at Harmon Avenue and TRMC 0060 at Tropicana Avenue. A 223.5 acre-foot Peaking Basin (Harry Reid Airport) is proposed with this project. An additional secondary 4’ x 2’ reinforced concrete box storm drain outlet with a 24” orifice extends east from the basin, ultimately draining to the Tropicana Wash. Design is underway. Construction funding is programmed in FY 22/23. The TYCP includes approximately \$30.0 million for this project.

Tropicana/Flamingo - Lower Flamingo – Vegas Valley Drive – Mojave Road to Burnham Avenue (PV = 76.5)

VAVD 0025 – This project includes 84” diameter reinforced concrete pipe and 7’ x 5’ reinforced concrete box storm drain in Vegas Valley Drive from the Mojave Road to Burnham Avenue. Design is programmed in FY 23/24 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$7.5 million for this project.

Clark County (continued)

Tropicana/Flamingo - Lower Flamingo – Flamingo Wash, UPRR to Hotel Rio Drive (PV = 89.5)

FLWA 0893, 0896 – This project consists of 20' wide, 6' to 8' deep, gabion channel improvements in the Flamingo Wash between the Union Pacific Railroad and Hotel Rio Drive. Design is underway. Construction funding is programmed in FY 22/23. The TYCP includes approximately \$5.8 million for this project.

Tropicana/Flamingo - Lower Flamingo – Van Buskirk – Paradise Detention Basin Outfall (PV = 89.0)

VBTM 0164, 0176, 0215 – This project is the outfall system from the Paradise Detention Basin to the Van Buskirk – Tomkins Avenue storm drain. 36" diameter reinforced concrete pipe with an 18" orifice extends east from the detention basin, 42" diameter reinforced concrete pipe extends north in University Center Drive, then east through University of Nevada Las Vegas property and north in Bock Street. 5' x 6' reinforced concrete box storm drain replaces a portion of the existing Van Buskirk – Tomkins Avenue storm drain in Tropicana Avenue and connects to existing downstream facility, VBTM 0146. Design is programmed in FY 22/23 and construction funding is programmed in FY 23/24. The TYCP includes approximately \$3.5 million for this project.

Tropicana/Flamingo - Lower Flamingo – Van Buskirk – Paradise Detention Basin (PV = 89.0)

VBTM 0216, 0217 – This project consists of a 52 acre-foot detention basin and a 620 cfs spillway. Design and Right of Way acquisition are programmed in FY 22/23. Construction funding is programmed in FY 23/24. The TYCP includes approximately \$0.60 million for this project.

Tropicana/Flamingo - Lower Flamingo – Tropicana Wash – Naples Outfall – Swenson (PV = 92.0)

TRSW 0000, 0003, 0074 – This project is the secondary outfall system from the Harry Reid Airport (formerly McCarran Airport) Peaking Basin to the Tropicana Wash. 54" diameter reinforced concrete pipe extends east under Paradise Road from the basin outlet, 6' x 4' and 8' x 4' reinforced concrete box storm drains extend generally north in University Center Drive, then connects to existing TRWA 0019 (Tropicana Wash facility). Design is underway. Construction funding is programmed in FY 22/23. The TYCP includes approximately \$8.6 million for this project.

Tropicana/Flamingo - Lower Flamingo – Las Vegas Wash Christy (PV = 70.5)

LVCH 0037, 0114 – This project consists of a 12' x 10' and 10' x 9' reinforced concrete box storm drain in Christy Lane from the Las Vegas Wash to Bonanza Road. Design is programmed in FY 28/29 and construction funding is programmed in FY 31/32. The TYCP includes approximately \$26.0 million for this project.

Clark County (continued)

Tropicana/Flamingo - Lower Flamingo – Las Vegas Wash Charleston (PV = 70.5)

LVCA 0000 – This project consists of 12' x 8' reinforced concrete box storm drain in Charleston Boulevard from the Las Vegas Wash Middle Branch to Lamb Boulevard. Design is programmed in FY 29/30. The TYCP includes approximately \$1.3 million for this project.

Tropicana/Flamingo - Lower LV Wash Tributaries – Tropicana Avenue Conveyance – Morris Street to Mountain Vista Street (PV = 72.5)

LV01 0151, 0176 – This project includes 7' x 6' reinforced concrete box storm drain and 66" diameter reinforced concrete pipe in Tropicana Avenue from Morris Street to Mountain Vista Street. Design is programmed in FY 26/27 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$6.6 million for this project.

Tropicana/Flamingo - Lower LV Wash Tributaries – Tropicana Avenue Conveyance – Las Vegas Wash to Boulder Highway (PV = 77.0)

LV01 0001, 0038, 0080, 0118 – This project includes earthen channel improvements adjacent the Wetlands Park between the Duck Creek Wash and Wetlands Park Lane. 17' x 8' and 14' x 7' reinforced concrete box storm drain is proposed in Tropicana Avenue from the Wetlands Park to Boulder Highway, replacing existing earthen channels and culverts at roadway crossings. Design is underway. Additional design funding is programmed in FY 22/23 and construction funding is programmed in FY 25/26. The TYCP includes approximately \$19.6 million for this project.

Tropicana/Flamingo - Lower LV Wash Tributaries – Tropicana Avenue Conveyance – Boulder Highway to Morris Street (PV = 76.5)

LV01 0135 – This project includes 10' x 7' reinforced concrete box storm drain in Tropicana Avenue from Boulder Highway to Morris Street. Design is programmed in FY 22/23 and construction funding is programmed in FY 25/26. The TYCP includes approximately \$4.0 million for this project.

Tropicana/Flamingo - Lower LV Wash Tributaries – Las Vegas Wash – Branch 02, Monson Channel, Jimmy Durante to Boulder Highway (PV = 89.0)

LV02 0128, 0209, 0211, 0273, 0275, 0282, 0289, 0294 – This project replaces existing concrete trapezoidal channels and reinforced concrete box culverts at road crossings along Flamingo Road between Jimmy Durante Boulevard and Nellis Boulevard with 36' to 44' wide, 6.7' to 10' deep, concrete rectangular channels and free and single span bridge structures. Dual 8' x 3.25' reinforced concrete box storm drains are proposed in Flamingo Road from Nellis Boulevard to Boulder Highway, adjacent existing triple 6' x 3' reinforced concrete box storm drains. Design is underway. Construction funding is programmed in FY 22/23. The TYCP includes approximately \$15.7 million for this project.

Clark County (continued)

Tropicana/Flamingo - Lower LV Wash Tributaries – Las Vegas Wash – Branch 02, Monson Channel – Las Vegas Wash to Flamingo Road (PV = 72.5)

LV02 0001, 0125, 0127 – This project replaces existing earthen channels on the south side of the Clark County Water Reclamation District from the Las Vegas Wash to Jimmy Durante Boulevard and along Jimmy Durante Boulevard to just south of Flamingo Boulevard. 30' wide, 6' to 6.5' deep concrete channels are proposed along this alignment as well as a 44' wide, 6' deep single span bridge at Stephanie Street. Design is programmed in FY 26/27 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$14.1 million for this project.

Tropicana/Flamingo - Lower LV Wash Tributaries – Las Vegas Wash – Boulder Highway, Tropicana Avenue to Harmon Avenue (PV = 71.0)

LVBH 0000 – This project includes 10' x 6' reinforced concrete box storm drain in Boulder Highway from Tropicana Avenue to Harmon Avenue, and in Harmon Avenue from Boulder Highway to Nellis Boulevard. Design is programmed in FY 26/27. Construction funding is programmed in FY 29/30. The TYCP includes approximately \$10.7 million for this project.

Duck Creek/Blue Diamond - Blue Diamond Tributaries – Duck Creek/Blue Diamond, Bermuda Road to Las Vegas Boulevard (PV = 91.0)

DCBD 0075, 0082, 0084 – This project includes 12' x 9' reinforced concrete box storm drain and concrete channel improvements in Duck Creek – Blue Diamond Wash from Bermuda Road to Las Vegas Boulevard. Dual 14' x 6' reinforced concrete box culverts are proposed at Fairfield Avenue that will replace four existing reinforced concrete pipe culverts. Design is underway. Construction funding is programmed in FY 22/23. The TYCP includes approximately \$10.9 million for this project.

Duck Creek/Blue Diamond - Blue Diamond Tributaries – Blue Diamond Channel, Amigo Street to Haven Street (PV = 83.0)

BDWA 0087, 0111, 0113, 0137, 0139, 0174, 0175 – This project includes 10' x 6' reinforced concrete box storm drain within the Blue Diamond Wash between Amigo Street and Placid Street, 10' x 4' reinforced concrete box storm drain along the Maulding Avenue alignment between Placid Street and Rancho Destino Road, and 20' to 37' wide, 5' deep, riprap channel between Rancho Destino Road and Haven Street. Existing culverts at street crossings will be replaced with larger facilities. Design is underway. Construction funding is programmed in FY 23/24. The TYCP includes approximately \$8.1 million for this project.

Duck Creek/Blue Diamond - Blue Diamond Tributaries – Blue Diamond Wash - Wigwam Avenue - Rainbow Boulevard to Buffalo Drive, and Buffalo Drive – Wigwam Avenue to Ford Avenue (PV = 71.0)

BDW1 0122, 0220 – This project includes 8' x 6' reinforced concrete box storm drain in Wigwam Avenue between Rainbow Boulevard and Buffalo Drive and 12' x 6' reinforced

Clark County (continued)

concrete box storm drain in Buffalo Drive between Wigwam Avenue and Ford Avenue. Design is programmed in FY 26/27. Construction funding is programmed in FY 29/30. The TYCP includes approximately \$12.5 million for this project.

Duck Creek/Blue Diamond - Blue Diamond Tributaries – Blue Diamond Wash - Pebble Road, Blue Diamond Wash to Rainbow Boulevard (PV = 73.0)

BDW4 0000 – This project includes 8' x 6' reinforced concrete box storm drain, extending west from the Blue Diamond Wash Channel, within Torino Avenue and Bronco Street to Pebble Road, then west in Pebble Road to Rainbow Boulevard. Design is programmed in FY 23/24. Construction funding is programmed in FY 26/27. The TYCP includes approximately \$10.3 million for this project.

Duck Creek/Blue Diamond - Upper Duck Creek – Blue Diamond Channel 02, Decatur Boulevard, Le Baron Avenue to Richmar Avenue, Phase 2 (PV = 91.0)

BD02 0330, 0334 – This is Phase 2 of the project, consisting of 9' x 6' and 10' x 6' reinforced concrete box storm drain in Decatur Boulevard from Richmar Avenue to just south of Gary Avenue, connecting Phase 1 facility BD02 0315. Design is underway. Construction funding is programmed in FY 22/23. The TYCP includes approximately \$3.5 million for this project.

Duck Creek/Blue Diamond - Upper Duck Creek – Blue Diamond Railroad Channel (PV = 81.0)

BDW5 0026, BDW2 0000 – This project includes 20' wide, 6.5' deep, concrete channel extending northwest from Rainbow Boulevard, along a Union Pacific Railroad spur, to Buffalo Drive and triple 8' x 4' reinforced concrete box storm drain extending west along Buffalo Drive to existing facilities BDW5 0118 and BDW2 0023. Design is underway. Construction funding is programmed in FY 23/24. The TYCP includes approximately \$6.7 million for this project.

Duck Creek/Blue Diamond - Upper Duck Creek – Blue Diamond Railroad, Buffalo Drive to Durango Avenue (PV = 70.0)

BDW5 0142, 0150, 0159, 0183, 0203, 0235 – This project consists of 8' x 6' reinforced concrete box storm drain in Buffalo Drive from Blue Diamond Road to Pebble Road and 12' wide, 9' to 10' deep, riprap channels extending from the intersection of Buffalo Drive and Blue Diamond Road northwesterly to Durango Drive. The riprap channels connect to existing reinforced concrete box culverts at Warbonnet Way (BDW5 0155), an existing riprap channel (BDW5 0205 and 0210) just west of Cimarron Road, and existing reinforced concrete arch pipe (BDW5 0246) at Durango Drive. Five (5) 10' x 5' reinforced concrete arch culverts are proposed at Cimarron Road. The project facilities connect to existing downstream facility, BDW5 0119, at Buffalo Drive. Design is programmed in FY 27/28 and construction funding is programmed in FY 30/31. The TYCP includes approximately \$8.2 million for this project.

Clark County (continued)

Duck Creek/Blue Diamond - Upper Duck Creek – Duck Creek Wash Tributary 4, Nature's Glen Avenue to Upper Duck Creek Detention Basin (PV = 70.0)

DCW4 0787, 0796, 0847 – This project is the outfall system from the Upper Duck Creek Detention Basin to the Upper Duck Creek – Blue Diamond storm drain at Fort Apache Road and Natures Glen Avenue. 78" diameter reinforced concrete pipe connects to the existing detention basin 60" diameter reinforced concrete pipe outlet, then extends east to Fort Apache Road, 10' wide gabion lined channels extend south along Fort Apache Road, replacing an existing 72" reinforced concrete pipe and gabion channel. The project facilities connect to existing reinforced concrete arch culverts, DCW4 0785, at Fort Apache Road and Natures Glen Avenue. Design is programmed in FY 27/28 and construction funding is programmed in FY 30/31. The TYCP includes approximately \$7.4 million for this project.

Duck Creek/Blue Diamond - Lower Duck Creek – Sunset Park, Duck Creek Wash to Eastern Avenue (PV = 79.5)

DCSP 0000, 0115 – This project consists of 12' x 8' reinforced concrete box storm drain in Sunset Road from the Duck Creek Wash to Tomiyasu Lane and 12' x 5' reinforced concrete box storm drain extending southwest through Sunset Park to Eastern Avenue. Design is underway. Construction funding is programmed in FY 24/25. The TYCP includes approximately \$22.6 million for this project.

The funding programmed for the Duck Creek/Blue Diamond and Tropicana/Flamingo Planning Areas in Clark County (Las Vegas Valley) totals approximately \$271.4 million on the TYCP.

The projects proposed on the TYCP for the Outlying Areas of Clark County include the following:

Goodsprings - Goodsprings – Phase I

GSPA 0000, 0018, 0019, 0027, 0029 – This project consists of 10' wide, 5' deep, concrete channel extending east along an alignment north of Main Street from undeveloped land to Revere Street, 6' x 5' and 8' x 5' reinforced concrete box storm drain extending north in Revere Street to Pacific Street, and 12' wide, 3.6' deep riprap channel extending west along Pacific Street to Beacon Street. Design is underway. Additional Right-of-Way Acquisition and construction funding are programmed in FY 22/23. The TYCP includes approximately \$3.1 million for this project.

Muddy River and Tributaries - Muddy River – Cooper Lane to Yamashita Street

MRLV 0395, 0423, 0424, 0442, 0443, 0458, 0459, 0507, 0508 – This project consists of earthen channel improvements and grade control structures within the Muddy River from Yamashita Street to approximately 800' south of Ramos Ranch Road. Design and Right-of-Way Acquisition are programmed in FY 22/23 and construction funding is programmed in FY 25/26. The TYCP includes approximately \$16.2 million for this project.

Clark County (continued)

Muddy River and Tributaries - Ryan Avenue to Lewis Street

MRLV 0184, 0198, 0240, 0268, 0276 – This project consists of stabilized earthen channel improvements within the Muddy River from approximately 800' south of Lewis Street to approximately 400' north of the Ryan Avenue alignment. Design is programmed in FY 26/27 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$20.1 million for this project.

Mount Charleston - Rainbow Canyon Boulevard Bridge

MTCH 0001 – This project consists of a new bridge structure at Rainbow Canyon Boulevard, south of Kyle Canyon Road. Design is programmed in FY 26/27 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$1.7 million for this project.

Laughlin - Bridge Canyon Detention Basin

LUHS 0415, 0416, 0417 – This project consists of a 1,065 acre-foot detention basin, spillway, and 48" diameter reinforced concrete pipe outlet with orifice plate. The detention basin is located west of Needles Highway and south of SR 163; discharge from the basin is conveyed southeast via existing topography to the Hiko Springs Wash Detention Basin until future concrete channel (LUHS 0317) is constructed. Design is programmed in FY 23/24 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$13.7 million for this project.

Laughlin - Hiko Detention Basin Expansion

LUHS 0244 – This project consists of a 308 acre-foot expansion to the Hiko Springs Detention Basin to accommodate diversion of the Bridge Canyon flow. Design is underway. Construction funding is programmed in FY 24/25. The TYCP includes approximately \$2.1 million for this project.

Laughlin - Laughlin Marina to Desert Marina Drive

LUMA 0000, 0001, 0013, 0014 – This project consists of 10' x 6' reinforced concrete box storm drain extending north from the Laughlin Marina to an existing 10' x 6' reinforced concrete box storm drain in Desert Marina Drive (LUMA 0023). A 10' x 6' reinforced concrete culvert is also proposed under Casino Drive. Design is programmed in FY 25/26 and construction funding is programmed in FY 28/29. The TYCP includes approximately \$2.7 million for this project.

Searchlight – Searchlight – West – State Highway 164

SRWE 0001, 0002, 0003, 0005, 0023 – This project consists of 16' x 5', 8' x 5' and 6' x 5' reinforced concrete box storm drain in State Highway 164 and extending southwest approximately 1,700 linear feet from State Highway 164. This project ties into existing dual 48" reinforced concrete pipes (SRWE 0048) at US-95. Design is underway. Construction funding is programmed in FY 22/23. The TYCP includes approximately \$6.5 million for this project.

Clark County (continued)

Searchlight - Searchlight – West

SRWE 0049, 0068, 0091 – This project consists of 54” and 42” diameter reinforced concrete pipes extending northeast from US-95, within minor streets, to the intersection of Lincoln Street and Indian Street and a 5’ high riprap levee along Indian Street from Lincoln Street to Nevada Street. Design is programmed in FY 25/26 and construction funding is programmed in FY 28/29. The TYCP includes approximately \$2.1 million for this project.

Bunkerville - Windmill Wash Detention Basin and Jess Waite Levee Facilities

JEWA 0166, 0168 – This project consists of upgrading the existing Jess Waite Wash Diversion Dike and sediment basin. The diversion dike will be upgraded from 6’ to 8’ and the basin from 5 acre-feet to 13 acre-feet. Design is underway. Construction funding is programmed in FY 23/24. The TYCP includes approximately \$2.4 million for this project.

The TYCP for the Outlying Areas of Clark County totals approximately \$70.6 million.

In all, among the Tropicana/Flamingo, Duck Creek, Blue Diamond, and Outlying Planning Areas, Clark County has programmed approximately \$342.0 million for flood control facilities over the next ten years.

BOULDER CITY

Projects completed or funded for construction since 1987 include:

Bootleg Canyon Detention Basin Outfall

Bootleg Canyon Detention Basin, Phase II

Buchanan Boulevard Channel

Buchanan Boulevard, Phase III Improvements

Buchanan Watershed Facilities

Georgia Avenue Channel

Hemenway Wash Improvements

A joint use recreation facility

Hemenway System, Phase IIA Improvements

Hemenway System, Phase IIB Improvements

Industrial Road Facilities

North Railroad Conveyance Phase I and Phase II

Valley View and DD Facilities

Veteran's Memorial Detention Basin

Ville Drive Flood Control Improvements

West Airport Facilities

West Airport Watershed, including West Adams Boulevard and Georgia Avenue Improvements

Yucca Debris Basin, Collection and Outfall

Yucca Street Drainage

District funding since 1987 for the projects plus design efforts of future projects total approximately \$38,111,969.

Boulder City (continued)

The project proposed on the TYCP for Boulder City in hydrographic basin order is the following:

Georgia/Buchanan - Avenue I Storm Drain

GBGR 0189, 0204, 0216, 0218 0302 – This project replaces existing, undersized facilities, generally along the Sierra Vista alignment and Avenue I, between Highland Drive and Seventh Street. Dual 78” diameter reinforced concrete pipes connect to existing GBGR 0131 in Highland Drive and extends north to Adams Boulevard; a 78” diameter pipe extends west in Adams Boulevard, then north in Avenue I to Seventh Street, a 66” diameter pipe extends west in Seventh Street to Avenue G then north to a collection point. Design is programmed in FY 22/23 and construction funding is programmed in FY 25/26. The TYCP includes approximately \$5.3 million for this project.

Georgia/Buchanan - Georgia Buchanan Confluence Facilities

GBGR 0003, GBBC 0020 – This project consists of 8’ wide, 6.5’ deep concrete channel along Georgia Avenue and 12’ wide, 5.5’ deep concrete channel along Buchanan Boulevard, connecting to existing facilities upstream (GBGR 0040) and downstream (GBBC 0015). Design is programmed in FY 25/26 and construction funding is programmed in FY 28/29. The TYCP includes approximately \$2.8 million for this project.

Georgia/Buchanan - Georgia Avenue Facilities – Vaquero Drive Bridge

GBGR 0099 – This project consists of a free span bridge crossing at Vaquero Drive and Georgia Avenue. Design is programmed in FY 26/27 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$1.2 million for this project.

North Railroad - Wells Drive Levee Lining

NRIN 0088 – This project consists of riprap lining the existing unlined Wells Drive Levee, between an existing sediment basin (NRIN 0066) and Canyon Road. Design is programmed in FY 23/24 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$0.34 million for this project.

The funding programmed for Boulder City totals approximately \$9.6 million on the TYCP.

MESQUITE

City of Mesquite projects completed or funded for construction since 1987 include:

Abbott Wash Conveyance System, Pioneer Boulevard to the Virgin River

Town Wash Conveyance, I-15 to the Virgin River

Town Wash Detention Basin

District funding since 1987 for these projects plus design efforts of future projects totals approximately \$26,010,876.

The projects proposed on the TYCP for Mesquite in hydrographic basin order include the following:

Town Wash - Town Wash – Mesa Boulevard, El Dorado Road to Town Wash

TWMB 0000, 0022, 0024, 0044, TOWA 0120 – This project replaces the existing natural channel on the north side I-15 with concrete channel, extending approximately 2,400 linear feet northeast from the Town Wash to 12' x 7' reinforced concrete box storm drain. This storm drain extends north and terminates at the intersection of Mesa Boulevard and El Dorado Road. A 12' x 7' reinforced concrete box culvert is proposed under Pioneer Boulevard. Concrete channel is proposed in the Town Wash as well as a confluence structure for connection to the Mesa Boulevard storm drain system. Design is underway. Construction funding is programmed in FY 22/23. The TYCP includes approximately \$12.3 million for this project.

Town Wash - Town Wash Mesa Boulevard, El Dorado Road to Chaparral Drive

TWMB 0052, 0084, 0094 – This project includes 7' x 7' reinforced concrete box storm drain in Mesa Boulevard from El Dorado Road to Chaparral Drive and 78" diameter reinforced concrete pipe in Chaparral Drive from El Dorado Road to Vista Del Sol just south of the golf course. Design is programmed in FY 26/27 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$9.7 million for this project.

Pulsipher Wash - Leavitt Lane Crossing

PUWA 0068 – This project includes triple 10' x 7' reinforced concrete box culverts under Leavitt Lane that will be constructed as part of a roadway project. Design is funded by others. Construction funding is programmed in FY 22/23. The TYCP includes approximately \$0.66 million for this project.

Virgin River - Virgin River Flood Wall

VREC 0000 – This project includes approximately 4,300 linear feet of 17' high flood wall along the eastern edge of the City of Mesquite near Old Mill Road, extending southwest toward Mesquite Boulevard. Design is underway. Construction funding is programmed in FY 23/24. The TYCP includes approximately \$10.7 million for this project.

Mesquite (continued)

Virgin River - Virgin River Erosion Protection, Phase I

VREC 0203, 0323, 0508, 0519 – This project includes soil cement erosion protection at various locations along the south side of the City of Mesquite. Design is programmed in FY 26/27 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$1.3 million for this project.

The funding programmed for Mesquite totals approximately \$34.7 million on the TYCP.

Fiscal Year 2023 Project List

The first year of the TYCP comprises the recommended FY 2023 Project List. It should be noted that construction and right-of-way funds programmed in FY 2024 and FY 2025 are eligible to be funded if they meet the criteria presented in Sections II.B.9.b of the District's Policies and Procedures Manual. To meet these criteria construction projects must have ninety percent (90%) of design complete; have all right-of-entry for construction purposes obtained; and have all necessary permits, including environmental. For right-of-way, adequate design must have been completed to define right-of-way needs. Acceleration of funding in this manner cannot result in the delay of designs programmed in the first year and is dependent upon actual fund availability. Projects programmed in the first year total \$155.5 million. Projects eligible for funding in FY 2023 total \$362.6 million. These projects will be primarily funded from the estimated quarter percent Sales Tax Revenues. Projected revenue for the first year is \$186.6 million. Determining funding eligibility according to this policy allows for full expenditure of available resources annually in the event that some projects should suffer unexpected delays.

Other projects may also begin which are programmed throughout the TYCP if policies regarding Entity Advanced Funding and Funding Resolutions are exercised in accordance with Sections II.D.5 & 6 of the Policies and Procedures Manual.

The projects eligible for funding in FY 2023 are as follows:

Henderson (Pittman Wash and C-1 Planning Areas):

Pittman - Pittman Burns – Pittman Sunset, Burns Avenue to Foster Avenue (PV = 90.5)

PTBH 0000, 0014, 0015, PTSU 0034, 0037, 0067, 0069 – This project consists of 7' x 4' to 18' x 7' reinforced concrete box storm drain in Sunset Road that collects flow at Boulder Highway and at Foster Avenue, then conveys it to a proposed concrete channel in Burns Avenue and 20' x 8' reinforced concrete culvert at an existing driveway approximately 400 feet to the north. Design is underway. Construction funding is programmed in FY 24/25. FY 2023 eligible funding is approximately \$11.8 million for this project.

Pittman - Pittman Burns – Galleria Drive to Sunset Road (PV = 95.0)

PTSU 0000, 0008, 0023, 0028, 0032 – This Developer Participation project consists of 16' x 8' to 20' x 8' reinforced concrete box storm drain and concrete channel along Burns Avenue and connects to the existing Wiesner Channel at Galleria Drive. Construction funding is programmed in FY 23/24. FY 2023 eligible funding is approximately \$1.5 million for this project.

Total Programmed First Year: \$ 0

Total Eligible First Year: \$13,266,193

FY 2023 Project List (continued)

Las Vegas (Upper Northern Las Vegas Wash, Gowan and Central Basin Planning Areas):

Central - LV Wash I-15 Tributary – Lake Mead – Carey – Lake Mead Detention Basin Outfall (PV = 91.5)

LVLN 0221 – This project consists of a 48” diameter reinforced concrete pipe outlet from the Carey – Lake Mead Detention Basin to the existing storm drain in Carey Avenue and addition of a water quality feature. Design is underway and construction funding is programmed in FY 22/23. FY 2023 eligible funding is approximately \$0.56 million for this project.

Central - LV Wash I-15 Tributary – Owens Avenue System – Vegas Drive Storm Drain, Shadow Mountain Place to Jones Boulevard (PV = 88.0)

LVOW 0360 – This project consists of 8’ x 6’ reinforced concrete box storm drain in Vegas Drive from Shadow Mountain Place to Jones Boulevard. Design is underway. Construction funding is programmed in FY 23/24. FY 2023 eligible funding is approximately \$8.6 million for this project.

Central - LV Wash Central – Las Vegas Wash – Stewart Avenue, Las Vegas Wash to Lamb Boulevard (PV = 87.5)

LVST 0000 – This project consists of 10’ x 10’ reinforced concrete box storm drain in Stewart Avenue from the Las Vegas Wash to Lamb Boulevard. Design is underway. Construction funding is programmed in FY 23/24. FY 2023 eligible funding is approximately \$29.2 million for this project.

Central - LV Wash Central – Meadows Detention Basin Upgrade (PV = 87.0)

LCME 0018, 0021 – This Las Vegas Valley Water District participation project consists of raising the existing detention basin spillway by 1’ and increasing the basin volume to 249 acre-feet. Design is underway. Construction funding is programmed in FY 24/25. FY 2023 eligible funding is approximately \$2.3 million for this project.

Central - LV Wash Central – Meadows/Charleston – Via Olivero Avenue, Montessouri Street to Buffalo Drive (PV = 86.5)

MECH 0424 – This project consists of 6’ x 6’ reinforced concrete box storm drain in Via Olivero Avenue from Montessouri Street to Buffalo Drive. Design is underway. Construction funding is programmed in FY 24/25. FY 2023 eligible funding is approximately \$5.5 million for this project.

Central - Sahara Boulder Highway – Flamingo – Boulder Highway North, Charleston Boulevard – Main Street to Maryland Parkway (PV = 87.5)

FLBN 0281, 0312 – This project consists 10’ x 7’ and 7’ x 4’ reinforced concrete box storm drain in Charleston Boulevard from Maryland Parkway to Main Street. Design is underway. Construction funding is programmed in FY 23/24. FY 2023 eligible funding is approximately \$24.8 million for this project.

FY 2023 Project List (continued)

Upper Northern LV Wash - Ann Road - Ann Road Channel West – Jones Boulevard, Ann Road to Tropical Parkway (PV = 90.0)

ANJO 0000 – This project consists of 10' x 4' reinforced concrete box storm drain in Jones Boulevard from Ann Road to Tropical Parkway. Design is programmed in FY 22/23 and construction funding is programmed in FY 25/26. FY 2023 eligible funding is approximately \$.40 million for this project.

Upper Northern LV Wash - Upper Western Tributary - Brent Drainage System – Durango Drive to OHare Road (PV = 94.0)

BRDB 0107, 0157 – This project consists of 8' x 6' reinforced concrete box storm drain in Brent Lane from Durango Drive to El Capitan Way and 12' x 7' reinforced concrete box storm drain in El Capitan Way from Brent Lane to OHare Avenue. Design is underway. Construction funding is programmed in FY 22/23. FY 2023 eligible funding is approximately \$9.2 million for this project.

Upper Northern LV Wash - Upper Western Tributary - Centennial Parkway Channel West – Farm Road, Oso Blanca Road to Tee Pee Lane (PV = 90.0)

CNFR 0000 – This project consists of 8' x 6' reinforced concrete box storm drain in Farm Road from Oso Blanca Road to Tee Pee Lane. This facility will connect to the existing lateral in Farm Road, constructed with the Centennial Parkway Channel West facility at US-95. Design is underway. Construction funding is programmed in FY 24/25. FY 2023 eligible funding is approximately \$15.7 million for this project.

Total Programmed First Year: \$10,145,774

Total Eligible First Year: \$96,322,517

North Las Vegas (Lower Northern Las Vegas Wash, Range Wash, and Lower Las Vegas Wash Planning Areas):

Lower Northern LV Wash - LV Wash Craig – North Las Vegas Detention Basin Upgrade (PV = 77.0)

LVUP 0401, 0406, 0407, 0422, 0443, 0444, 0445 – This project will expand the existing North Las Vegas Detention Basin by approximately 960 acre-feet. Design is underway. Construction funding is programmed in FY 24/25. FY 2023 eligible funding is approximately \$17.4 million for this project.

Lower Northern LV Wash - LV Wash Craig – Iron Mountain Road, Bradley Road to Decatur Boulevard (PV = 77.0)

IRMO 0000 – This project consists of 8' x 8' reinforced concrete box storm drain in Iron Mountain Road from Decatur Boulevard to Bradley Road. Design is underway. Construction funding is programmed in FY 23/24. FY 2023 eligible funding is approximately \$5.0 million for this project.

FY 2023 Project List (continued)

Lower Northern LV Wash - Cheyenne Lamb Nellis – Lake Mead Storm Drain, Las Vegas Wash to Civic Center Drive (PV = 80.0)

LVLE 0000, 0047 – This project consists of 12' x 6' and 12' x 4' reinforced concrete box storm drain in Lake Mead Boulevard from the Las Vegas Wash - Middle Branch confluence at Pecos Road to just east of Civic Center Drive. Design is underway. Construction funding is programmed in FY 23/24. FY 2023 eligible funding is approximately \$8.5 million for this project.

Lower Northern LV Wash - Cheyenne Lamb Nellis – Las Vegas Wash Cartier Channel Phase 1 (PV = 81.5)

LVCC 0000, 0030, 0035 – The Phase 1 project is in conjunction with the Regional Transportation Commission of Southern Nevada and consists of 10' x 5' reinforced concrete box storm drain in Las Vegas Boulevard from Carey Avenue to Lake Mead Boulevard. Design for Phase 1 is underway and includes design for Phase 2. Construction funding is programmed in FY 22/23. FY 2023 eligible funding is approximately \$10.0 million for Phase 1.

Lower Northern LV Wash - Cheyenne Lamb Nellis – Las Vegas Wash Cartier Channel Phase 2 (PV = 81.5)

LVCC 0000, 0030 – The Phase 2 project consists of 12' wide, 9.5' deep, rectangular concrete channel along the Cartier Avenue alignment from the Las Vegas Wash to Las Vegas Boulevard and 10' x 5' reinforced concrete box storm drain in Las Vegas Boulevard from Cartier Avenue to Carey Avenue. Design for Phase 2 is being prepared as part of Phase 1. Right of Way Acquisition and construction funding is programmed in FY 23/24. FY 2023 eligible funding is approximately \$17.0 million for Phase 2.

Range - Lower Range – Orchard Collector – Charleston Boulevard to Linden Avenue (PV = 83.5)

SLOR 0158 – This project consists of a soil cement-lined levee that extends south from the Linden Avenue alignment to Charleston Boulevard, along the base of Sunrise Mountain. This facility collects flows from the east and conveys it south to the Orchard Detention Basin. Design is underway. Construction funding is programmed in FY 22/23. FY 2023 eligible funding is approximately \$6.9 million for this project.

Range - Lower Range – Jim McGaughey Detention Basin & Outfall (PV = 83.0)

SLWA 0130, 0150, 0151, 0152, 0153, 0175, SLOW 0000, 0005 – This project consists of an 88 acre-foot detention basin, spillway, two inlet facilities, and one outlet facility. The inlet facilities consist of a concrete channel on the south side of the basin and 6' x 6' and 8' x 6' reinforced concrete box storm drain on the north side of the basin. The outlet facilities consist of 24" and 36" diameter reinforced concrete pipes extending west from the basin and connecting to existing concrete channel, SLWA 0091, west of Hollywood

FY 2023 Project List (continued)

Boulevard. Design is underway. Right-of-Way Acquisition and construction funding is programmed in FY 22/23. FY 2023 eligible funding is approximately \$19.3 million for this project.

Total Programmed First Year: \$36,213,268

Total Eligible First Year: \$84,035,729

Clark County (Las Vegas Valley)

(Duck Creek/Blue Diamond and Tropicana/Flamingo Planning Areas):

Tropicana/Flamingo - Tropicana Flamingo Project – Flamingo – Cimarron Branch, Russell Road to Patrick Lane (PV = 87.0)

FLCM 0003 – This project consists of 84” diameter reinforced concrete pipe storm drain, west of the Cimarron Road alignment from Russell Road to Patrick Lane. Design is underway. Construction funding is programmed in FY 23/24. FY 2023 eligible funding is approximately \$3.2 million for this project.

Tropicana/Flamingo - Lower Flamingo – Flamingo Wash, Maryland Parkway to Palos Verde Street (PV = 92.0)

FLWA 0621, 0673 – This project replaces existing earth channels along the Flamingo Wash with a 50’ wide, 7’ deep, concrete channel from Maryland Parkway to Cambridge Street and a 25’ wide, 7.5’ deep, concrete channel from University Center Drive (formerly Swenson Street) to Palos Verde Street. Design is underway. Construction funding is programmed in FY 22/23. FY 2023 eligible funding is approximately \$7.4 million for this project.

Tropicana/Flamingo - Lower Flamingo – Airport Channel – Naples Channel and Peaking Basin (PV = 92.0)

TRMC 0013, 0014, 0031, 0033, TRSW 0080 – This project replaces the existing un-lined Naples Channel between Harmon Avenue and Tropicana Avenue with a 17’ wide, 6’ deep concrete rectangular channel. This channel along with a 36” diameter reinforced concrete pipe primary outlet from the Harry Reid (formerly McCarran) Airport Peaking Basin connects to existing reinforced concrete box culverts, TRMC 0011, at Harmon Avenue and TRMC 0060 at Tropicana Avenue. A 223.5 acre-foot Peaking Basin (Harry Reid Airport) is proposed with this project. An additional secondary 4’ x 2’ reinforced concrete box storm drain outlet with a 24” orifice extends east from the basin, ultimately draining to the Tropicana Wash. Design is underway. Construction funding is programmed in FY 22/23. FY 2023 eligible funding is approximately \$30.0 million for this project.

Tropicana/Flamingo - Lower Flamingo – Flamingo Wash, UPRR to Hotel Rio Drive (PV = 89.5)

FLWA 0893, 0896 – This project consists of 20’ wide, 6’ to 8’ deep, gabion channel improvements in the Flamingo Wash between the Union Pacific Railroad and Hotel Rio

FY 2023 Project List (continued)

Drive. Design is underway. Construction funding is programmed in FY 22/23. FY 2023 eligible funding is approximately \$5.8 million for this project.

Tropicana/Flamingo - Lower Flamingo – Van Buskirk – Paradise Detention Basin Outfall (PV = 89.0)

VBTM 0164, 0176, 0215 – This project is the outfall system from the Paradise Detention Basin to the Van Buskirk – Tomkins Avenue storm drain. 36” diameter reinforced concrete pipe with an 18” orifice extends east from the detention basin, 42” diameter reinforced concrete pipe extends north in University Center Drive, then east through University of Nevada Las Vegas property and north in Bock Street. 5’ x 6’ reinforced concrete box storm drain replaces a portion of the existing Van Buskirk – Tomkins Avenue storm drain in Tropicana Avenue and connects to existing downstream facility, VBTM 0146. Design is programmed in FY 22/23 and construction funding is programmed in FY 23/24. FY 2023 eligible funding is approximately \$3.5 million for this project.

Tropicana/Flamingo - Lower Flamingo – Van Buskirk – Paradise Detention Basin (PV = 89.0)

VBTM 0216, 0217 – This project consists of a 52 acre-foot detention basin and a 620 cfs spillway. Design and Right of Way acquisition are programmed in FY 22/23. Construction funding is programmed in FY 23/24. FY 2023 eligible funding is approximately \$0.60 million for this project.

Tropicana/Flamingo - Lower Flamingo – Tropicana Wash – Naples Outfall – Swenson (PV = 92.0)

TRSW 0000, 0003, 0074 – This project is the secondary outfall system from the Harry Reid Airport (formerly McCarran Airport) Peaking Basin to the Tropicana Wash. 54” diameter reinforced concrete pipe extends east under Paradise Road from the basin outlet, 6’ x 4’ and 8’ x 4’ reinforced concrete box storm drains extend generally north in University Center Drive, then connects to existing TRWA 0019 (Tropicana Wash facility). Design is underway. Construction funding is programmed in FY 22/23. FY 2023 eligible funding is approximately \$8.6 million for this project.

Tropicana/Flamingo - Lower LV Wash Tributaries – Tropicana Avenue Conveyance – Las Vegas Wash to Boulder Highway (PV = 77.0)

LV01 0001, 0038, 0080, 0118 – This project includes earthen channel improvements adjacent the Wetlands Park between the Duck Creek Wash and Wetlands Park Lane. 17’ x 8’ and 14’ x 7’ reinforced concrete box storm drain is proposed in Tropicana Avenue from the Wetlands Park to Boulder Highway, replacing existing earthen channels and culverts at roadway crossings. Design is underway. Additional design funding is programmed in FY 22/23 and construction funding is programmed in FY 25/26. FY 2023 eligible funding is approximately \$.67 million for this project.

FY 2023 Project List (continued)

Tropicana/Flamingo - Lower LV Wash Tributaries – Tropicana Avenue Conveyance – Boulder Highway to Morris Street (PV = 76.5)

LV01 0135 – This project includes 10' x 7' reinforced concrete box storm drain in Tropicana Avenue from Boulder Highway to Morris Street. Design is programmed in FY 22/23 and construction funding is programmed in FY 25/26. FY 2023 eligible funding is approximately \$.38 million for this project.

Tropicana/Flamingo - Lower LV Wash Tributaries – Las Vegas Wash – Branch 02, Monson Channel, Jimmy Durante to Boulder Highway (PV = 89.0)

LV02 0128, 0209, 0211, 0273, 0275, 0282, 0289, 0294 – This project replaces existing concrete trapezoidal channels and reinforced concrete box culverts at road crossings along Flamingo Road between Jimmy Durante Boulevard and Nellis Boulevard with 36' to 44' wide, 6.7' to 10' deep, concrete rectangular channels and free and single span bridge structures. Dual 8' x 3.25' reinforced concrete box storm drains are proposed in Flamingo Road from Nellis Boulevard to Boulder Highway, adjacent existing triple 6' x 3' reinforced concrete box storm drains. Design is underway. Construction funding is programmed in FY 22/23. FY 2023 eligible funding is approximately \$15.7 million for this project.

Duck Creek/Blue Diamond - Blue Diamond Tributaries – Duck Creek/Blue Diamond, Bermuda Road to Las Vegas Boulevard (PV = 91.0)

DCBD 0075, 0082, 0084 – This project includes 12' x 9' reinforced concrete box storm drain and concrete channel improvements in Duck Creek – Blue Diamond Wash from Bermuda Road to Las Vegas Boulevard. Dual 14' x 6' reinforced concrete box culverts are proposed at Fairfield Avenue that will replace four existing reinforced concrete pipe culverts. Design is underway. Construction funding is programmed in FY 22/23. FY 2023 eligible funding is approximately \$10.9 million for this project.

Duck Creek/Blue Diamond - Blue Diamond Tributaries – Blue Diamond Channel, Amigo Street to Haven Street (PV = 83.0)

BDWA 0087, 0111, 0113, 0137, 0139, 0174, 0175 – This project includes 10' x 6' reinforced concrete box storm drain within the Blue Diamond Wash between Amigo Street and Placid Street, 10' x 4' reinforced concrete box storm drain along the Maulding Avenue alignment between Placid Street and Rancho Destino Road, and 20' to 37' wide, 5' deep, riprap channel between Rancho Destino Road and Haven Street. Existing culverts at street crossings will be replaced with larger facilities. Design is underway. Construction funding is programmed in FY 23/24. FY 2023 eligible funding is approximately \$8.1 million for this project.

Duck Creek/Blue Diamond - Upper Duck Creek – Blue Diamond Channel 02, Decatur Boulevard, Le Baron Avenue to Richmar Avenue, Phase 2 (PV = 91.0)

BD02 0330, 0334 – This is Phase 2 of the project, consisting of 9' x 6' and 10' x 6' reinforced concrete box storm drain in Decatur Boulevard from Richmar Avenue to just south of Gary Avenue, connecting Phase 1 facility BD02 0315. Design is underway.

FY 2023 Project List (continued)

Construction funding is programmed in FY 22/23. FY 2023 eligible funding is approximately \$3.5 million for this project.

Duck Creek/Blue Diamond - Upper Duck Creek – Blue Diamond Railroad Channel (PV = 81.0)

BDW5 0026, BDW2 0000 – This project includes 20’ wide, 6.5’ deep, concrete channel extending northwest from Rainbow Boulevard, along a Union Pacific Railroad spur, to Buffalo Drive and triple 8’ x 4’ reinforced concrete box storm drain extending west along Buffalo Drive to existing facilities BDW5 0118 and BDW2 0023. Design is underway. Construction funding is programmed in FY 23/24. FY 2023 eligible funding is approximately \$6.7 million for this project.

Duck Creek/Blue Diamond - Lower Duck Creek – Sunset Park, Duck Creek Wash to Eastern Avenue (PV = 79.5)

DCSP 0000, 0115 – This project consists of 12’ x 8’ reinforced concrete box storm drain in Sunset Road from the Duck Creek Wash to Tomiyasu Lane and 12’ x 5’ reinforced concrete box storm drain extending southwest through Sunset Park to Eastern Avenue. Design is underway. Construction funding is programmed in FY 24/25. FY 2023 eligible funding is approximately \$22.6 million for this project.

Clark County (Outlying Areas):

The projects proposed on the TYCP for the Outlying Areas of Clark County include the following:

Goodsprings - Goodsprings – Phase I

GSPA 0000, 0018, 0019, 0027, 0029 – This project consists of 10’ wide, 5’ deep, concrete channel extending east along an alignment north of Main Street from undeveloped land to Revere Street, 6’ x 5’ and 8’ x 5’ reinforced concrete box storm drain extending north in Revere Street to Pacific Street, and 12’ wide, 3.6’ deep riprap channel extending west along Pacific Street to Beacon Street. Design is underway. Additional Right-of-Way Acquisition and construction funding are programmed in FY 22/23. FY 2023 eligible funding is approximately \$3.1 million for this project.

Muddy River and Tributaries - Muddy River – Cooper Lane to Yamashita Street

MRLV 0395, 0423, 0424, 0442, 0443, 0458, 0459, 0507, 0508 – This project consists of earthen channel improvements and grade control structures within the Muddy River from Yamashita Street to approximately 800’ south of Ramos Ranch Road. Design and Right-of-Way Acquisition are programmed in FY 22/23 and construction funding is programmed in FY 25/26. FY 2023 eligible funding is approximately \$3.0 million for this project.

Laughlin - Hiko Detention Basin Expansion

LUHS 0244 – This project consists of a 308 acre-foot expansion to the Hiko Springs Detention Basin to accommodate diversion of the Bridge Canyon flow. Design is

FY 2023 Project List (continued)

underway. Construction funding is programmed in FY 24/25. FY 2023 eligible funding is approximately \$2.1 million for this project.

Searchlight – Searchlight – West – State Highway 164

SRWE 0001, 0002, 0003, 0005, 0023 – This project consists of 16' x 5', 8' x 5' and 6' x 5' reinforced concrete box storm drain in State Highway 164 and extending southwest approximately 1,700 linear feet from State Highway 164. This project ties into existing dual 48" reinforced concrete pipes (SRWE 0048) at US-95. Design is underway. Construction funding is programmed in FY 22/23. FY 2023 eligible funding is approximately \$6.5 million for this project.

Bunkerville - Windmill Wash Detention Basin and Jess Waite Levee Facilities

JEWA 0166, 0168 – This project consists of upgrading the existing Jess Waite Wash Diversion Dike and sediment basin. The diversion dike will be upgraded from 6' to 8' and the basin from 5 acre-feet to 13 acre-feet. Design is underway. Construction funding is programmed in FY 23/24. FY 2023 eligible funding is approximately \$2.4 million for this project.

Clark County (Las Vegas Valley) Programmed First Year: \$83,324,949

Clark County (Las Vegas Valley) Eligible First Year: \$44,235,577

Clark County (Outlying Areas) Programmed First Year: \$12,726,192

Clark County (Outlying Areas) Eligible First Year: \$ 4,574,529

Total Programmed First Year: \$ 96,051,142

Total Eligible First Year: \$144,861,247

Boulder City:**Georgia/Buchanan - Avenue I Storm Drain**

GBGR 0189, 0204, 0216, 0218 0302 – This project replaces existing, undersized facilities, generally along the Sierra Vista alignment and Avenue I, between Highland Drive and Seventh Street. Dual 78" diameter reinforced concrete pipes connect to existing GBGR 0131 in Highland Drive and extends north to Adams Boulevard; a 78" diameter pipe extends west in Adams Boulevard, then north in Avenue I to Seventh Street, a 66" diameter pipe extends west in Seventh Street to Avenue G then north to a collection point. Design is programmed in FY 22/23 and construction funding is programmed in FY 25/26. FY 2023 eligible funding is approximately \$.50 million for this project.

Total Programmed First Year: \$500,734

Total Eligible First Year: \$500,734

FY 2023 Project List (continued)

Mesquite:

Town Wash - Town Wash – Mesa Boulevard, El Dorado Road to Town Wash

TWMB 0000, 0022, 0024, 0044, TOWA 0120 – This project replaces the existing natural channel on the north side I-15 with concrete channel, extending approximately 2,400 linear feet northeast from the Town Wash to 12' x 7' reinforced concrete box storm drain. This storm drain extends north and terminates at the intersection of Mesa Boulevard and El Dorado Road. A 12' x 7' reinforced concrete box culvert is proposed under Pioneer Boulevard. Concrete channel is proposed in the Town Wash as well as a confluence structure for connection to the Mesa Boulevard storm drain system. Design is underway. Construction funding is programmed in FY 22/23. FY 2023 eligible funding is approximately \$12.3 million for this project.

Pulsipher Wash - Leavitt Lane Crossing

PUWA 0068 – This project includes triple 10' x 7' reinforced concrete box culverts under Leavitt Lane that will be constructed as part of a roadway project. Design is funded by others. Construction funding is programmed in FY 22/23. FY 2023 eligible funding is approximately \$0.66 million for this project.

Virgin River - Virgin River Flood Wall

VREC 0000 – This project includes approximately 4,300 linear feet of 17' high flood wall along the eastern edge of the City of Mesquite near Old Mill Road, extending southwest toward Mesquite Boulevard. Design is underway. Construction funding is programmed in FY 23/24. FY 2023 eligible funding is approximately \$10.7 million for this project.

Total Programmed First Year: \$12,973,285

Total Eligible First Year: \$23,673,285

EXHIBIT A

EXHIBIT A

PROGRAMMING PERCENTAGES			2013 MPU
Planning Area	Current MPU Total Costs (a)	Percent of Total Planning Area	Previous Percentages
Henderson :			
C-1	\$20,504,200	0.88%	8.35%
Pittman	\$144,761,050	6.23%	
Sub-total	\$165,265,250	7.11%	
Las Vegas			
Central	\$507,779,660	21.85%	38.70%
Gowan	\$127,415,880	5.48%	
Upper Northern L V Wash	\$203,558,550	8.76%	
Sub-total	\$838,754,090	36.10%	
North Las Vegas			
Lower Northern L V Wash	\$182,748,946	7.87%	19.22%
Range	\$262,708,330	11.31%	
Lower L V Wash	\$40,638,540	1.75%	
Apex	\$76,028,740	3.27%	
Sub-total	\$562,124,556	24.19%	
Clark County			
Duck Cr/Blue Diamond	\$301,091,860	12.96%	29.62%
Tropicana/Flamingo	\$164,588,950	7.08%	
Outlying Areas	\$189,484,280	8.16%	
Sub-total	\$655,165,090	28.20%	
Boulder City :			
Boulder City	\$37,286,080	1.60%	1.95%
Sub-total	\$37,286,080	1.60%	
Mesquite :			
Mesquite	\$64,832,221	2.79%	2.16%
Sub-total	\$64,832,221	2.79%	
GRAND-TOTAL	\$2,323,427,288	100.00%	100.00%

Notes:

(a) Cost of remaining Category A facilities from applicable Master Plans as of 3/19/19

EXHIBIT B

EXHIBIT B

Project Prioritization

Priority Factor and Weight											
Pop.	Land	Public	Access	Avoid.	Funding	Relation	Implem.	Env.	O&M	Priority	
5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5	Value	
CITY OF HENDERSON											
HYDROGRAPHIC BASIN: PITTMAN											
PROJECT: Galleria to Sunset											
PTSU 0000, 0008, 0023, 0026, 0032	4	4	3	4	3	3	3	3	2	95.0	
	20.0	18.0	12.0	14.0	9.0	7.5	6.0	4.5	3.0	1.0	
PROJECT: Pittman Sunset, Burns to Foster											
PTBH 0000, 0014, 0015, PTSU 0034, 0037, 0067, 0069	4	3	4	2	3	4	3	3	3	90.5	
	20.0	13.5	16.0	7.0	9.0	10.0	6.0	4.5	3.0	1.5	
PROJECT: Southwest Pittman Detention Basin											
PTSD 0233, 0234 & PTN2 0167	3	4	3	3	3	2	4	3	2	85.0	
	15.0	18.0	12.0	10.5	9.0	5.0	6.0	4.5	2.0	1.0	
PROJECT: Southeast Pittman Detention Basin											
PTBE 0062, 0063, 0064, & PTSO 0000	3	4	3	3	3	2	4	2	3	84.5	
	15.0	18.0	12.0	10.5	9.0	5.0	6.0	3.0	3.0	1.0	
PROJECT: Pittman Wash South Phase 1 - Pittman North Detention Basin to Larson Lane											
PTSD 0016, 0017, 0043	3	3	3	3	3	2	3	2	3	78.5	
	15.0	13.5	12.0	10.5	9.0	5.0	6.0	3.0	3.0	1.5	
PROJECT: Pittman Wash South Phase 2 - Larson Lane to Gillespie Street											
PTSD 0044, 0070, 0071 & PTGS 0000	3	3	3	3	2	3	3	2	2	77.0	
	15.0	13.5	12.0	10.5	6.0	7.5	6.0	3.0	2.0	1.5	
PROJECT: Pittman Wash South Phase 3 - Gillespie Street, Roben Avenue to Via Inspirada Road											
PTSD 0135	3	3	3	3	2	3	3	2	2	76.5	
	15.0	13.5	12.0	10.5	6.0	7.5	6.0	3.0	2.0	1.0	
HYDROGRAPHIC BASIN: C-1											
PROJECT: Cadiz Storm Drain - Raceirack to Pueblo											
C1CA 0000	3	3	3	3	4	3	3	3	2	85.0	
	15.0	13.5	12.0	10.5	12.0	7.5	6.0	4.5	3.0	1.0	

EXHIBIT B

Project Prioritization

Priority Factor and Weight											
Pop	Land	Public	Access	Avoid	Funding	Relation	Implem	Env	O&M	Priority	Value
5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5		
CITY OF LAS VEGAS											
HYDROGRAPHIC BASIN: CENTRAL											
PROJECT: Lake Mead - Carey - Lake Mead Detention Basin Outfall											
LVLM 0221	4	4	3	3	3	3	3	3	2		91.5
	20.0	18.0	12.0	10.5	9.0	7.5	6.0	4.5	3.0	1.0	
PROJECT: Owens Avenue System - Vegas Storm Drain, Shadow Mountain to Jones											
LVOW 0390	4	4	3	3	3	2	3	3	2	2	88.0
	20.0	18.0	12.0	10.5	9.0	5.0	6.0	4.5	2.0	1.0	
PROJECT: Las Vegas Wash - Stewart, Las Vegas Wash to Lamb Blvd.											
LVST 0000	4	3	3	3	3	3	3	3	3	3	87.5
	20.0	13.5	12.0	10.5	9.0	7.5	6.0	4.5	3.0	1.5	
PROJECT: Flamingo - Boulder Hwy. North, Charleston - Main to Maryland											
FLBN 0281, 0312	4	4	3	3	3	3	2	3	1	2	87.5
	20.0	18.0	12.0	10.5	9.0	7.5	4.0	4.5	1.0	1.0	
PROJECT: Meadows Detention Basin Upgrade											
LCME 0018, 0021	3	4	3	3	3	3	3	3	3	3	87.0
	15.0	18.0	12.0	10.5	9.0	7.5	6.0	4.5	3.0	1.5	
PROJECT: Meadows/Charleston - Via Olivero, Montessori to Buffalo											
MECH 0424	4	4	3	3	3	2	3	2	2	2	86.5
	20.0	18.0	12.0	10.5	9.0	5.0	6.0	3.0	2.0	1.0	
PROJECT: Owens Avenue East - LV Wash to Eastern											
LVOE 0000, 0085	4	4	3	3	2	3	3	3	2	2	86.5
	20.0	18.0	12.0	10.5	6.0	7.5	5.0	4.5	2.0	1.0	
PROJECT: Las Vegas Wash - Stewart, Lamb to Mojave											
LVST 0088, 0188	4	4	3	3	2	2	3	3	3	1	85.5
	20.0	18.0	12.0	10.5	6.0	5.0	6.0	4.5	3.0	0.5	
PROJECT: Owens Avenue East - Eastern to Main											
LVOE 0134	4	3	3	3	3	3	2	3	3	2	85.0
	20.0	13.5	12.0	10.5	9.0	7.5	4.0	4.5	3.0	1.0	
PROJECT: Boulder Highway Sahara Avenue - Eastern to Boulder Hwy.											
BHSA 0000, 0026	4	3	4	3	2	2	3	3	2	3	85.0
	20.0	13.5	16.0	10.5	6.0	5.0	6.0	4.5	2.0	1.5	
PROJECT: Sahara Avenue - Eastern Lateral											
SAEA 0000	3	3	4	3	3	3	2	3	3	2	84.0
	15.0	13.5	16.0	10.5	9.0	7.5	4.0	4.5	3.0	1.0	
PROJECT: Las Vegas Wash - Stewart to Bonanza											
LVMD 1121 & 1149	4	4	3	3	3	2	2	2	1	2	83.5
	20.0	18.0	12.0	10.5	9.0	5.0	4.0	3.0	1.0	1.0	
PROJECT: Freeway Channel - Washington, Rancho to Valley View											
LV15 0528	4	3	3	3	3	3	2	2	3	2	83.5
	20.0	13.5	12.0	10.5	9.0	7.5	4.0	3.0	3.0	1.0	
PROJECT: Las Vegas Wash - Cedar Channel/Bonanza - Las Vegas Wash to Lamb											
LVBZ 0000, CACH 0001, 0020	3	3	3	3	3	3	2	3	2	1	78.5
	15.0	13.5	12.0	10.5	9.0	7.5	4.0	4.5	2.0	0.5	
PROJECT: Boulder Highway Sahara Avenue - Maryland to Eastern											
BHSA 0075	3	3	3	3	3	2	2	3	1	1	75.0
	15.0	13.5	12.0	10.5	9.0	5.0	4.0	4.5	1.0	0.5	
PROJECT: Freeway Channel - Washington, Valley View to Michael Way											
LV15 0802	3	3	3	3	3	2	2	2	2	1	74.5
	15.0	13.5	12.0	10.5	9.0	5.0	4.0	3.0	2.0	0.5	
PROJECT: Miller - Losses to Commerce and Commerce - Miller to Carey											
LVSF 0010, 0021	3	3	3	3	2	2	2	3	2	2	73.5
	15.0	13.5	12.0	10.5	6.0	5.0	4.0	4.5	2.0	1.0	
PROJECT: Carey - Commerce to MLK											
LVSF 0046, LVSF 0071	3	3	3	3	2	2	2	3	2	2	73.5
	15.0	13.5	12.0	10.5	6.0	5.0	4.0	4.5	2.0	1.0	
HYDROGRAPHIC BASIN: GOWAN											
PROJECT: Gowan - Alexander Rd., Rancho to Decatur											
GOAL 0000, 0056	4	4	3	3	2	3	3	4	3	2	92.0
	20.0	18.0	12.0	10.5	6.0	7.5	6.0	6.0	3.0	3.0	
PROJECT: Gowan - Rancho, Alexander to Jones and Alexander Branch											
GOAL 0100, GOA2 0000	4	4	4	3	2	3	2	3	3	2	90.5
	20.0	18.0	16.0	10.5	6.0	7.5	4.0	4.5	3.0	1.0	
PROJECT: Gowan Outfall - Clayton Branch											
GOCL 0000	4	3	3	3	2	3	3	4	3	2	85.5
	20.0	13.5	12.0	10.5	6.0	7.5	6.0	6.0	3.0	1.0	
PROJECT: Gowan - Craig and US-95											
GOAL 0168, 0247	4	3	3	3	3	3	3	3	1	2	85.0
	20.0	13.5	12.0	10.5	9.0	7.5	6.0	4.5	1.0	1.0	
HYDROGRAPHIC BASIN: UPPER NORTHERN LAS VEGAS WASH											
PROJECT: Brent Drainage System - Durango to O'Hare											
BRDB 0107, 0157	4	4	4	3	3	3	3	3	1	3	94.0
	20.0	18.0	16.0	10.5	9.0	7.5	6.0	4.5	1.0	1.5	
PROJECT: Centennial Flwy Channel West - Farm Road - Geo Blanca to Tee Fee											
CNFR 0000	4	3	4	3	3	3	3	3	2	2	90.0
	20.0	13.5	16.0	10.5	9.0	7.5	6.0	4.5	2.0	1.0	
PROJECT: Ann Road Channel West - Jones, Ann to Tropical											
ANJO 0000	4	4	3	3	2	3	3	4	3	2	90.0
	20.0	18.0	12.0	10.5	6.0	7.5	6.0	6.0	3.0	1.0	
PROJECT: Centennial Flwy Channel West - Farm Rd - Tee Fee to Humlapal											
CNFR 0400	4	3	3	3	3	3	3	3	1	2	85.0
	20.0	13.5	12.0	10.5	9.0	7.5	6.0	4.5	1.0	1.0	
PROJECT: Ann Road Channel West - Decatur, Ann to Tropical											
ANDE 0000	3	3	3	3	2	3	3	4	3	2	80.5
	15.0	13.5	12.0	10.5	6.0	7.5	6.0	6.0	3.0	1.0	

EXHIBIT B

Project Prioritization

Priority Factor and Weight												Priority Value
Pop.	Land	Public	Access	Avoid	Funding	Relation	Implem.	Env.	O&M			
5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5			
CITY OF NORTH LAS VEGAS												
HYDROGRAPHIC BASIN: LOWER NORTHERN LAS VEGAS WASH												
PROJECT: Las Vegas Wash Cartier Channel Phase 1												
LVCC 0000, 0030, 0035	4	4	3	3	2	2	2	2	2	2	81.5	
	20.0	18.0	12.0	10.5	6.0	5.0	4.0	3.0	2.0	1.0		
PROJECT: Las Vegas Wash Cartier Channel Phase 2												
LVCC 0000, 0030	4	4	3	3	2	2	2	2	2	2	81.5	
	20.0	18.0	12.0	10.5	6.0	5.0	4.0	3.0	2.0	1.0		
PROJECT: Lake Mead Storm Drain, Las Vegas Wash to Civic Center												
LVLV 0000, 0047	4	3	3	3	2	2	2	2	2	2	80.0	
	20.0	13.5	12.0	10.5	9.0	5.0	4.0	3.0	2.0	1.0		
PROJECT: Las Vegas Wash - Iron Mountain, Bradley to Decatur												
IRMO 0000	4	3	3	3	2	2	2	2	2	2	77.0	
	20.0	13.5	12.0	10.5	6.0	5.0	4.0	3.0	2.0	1.0		
PROJECT: North Las Vegas Detention Basin Upgrade												
LVUP 0401, 0406, 0407, 0422, 0443, 0444, 0445	4	3	3	3	2	2	2	2	2	2	77.0	
	20.0	13.5	12.0	10.5	6.0	5.0	4.0	3.0	2.0	1.0		
PROJECT: Las Vegas Boulevard Storm Drain												
LVLV 0000	3	3	3	3	2	2	2	2	2	3	72.5	
	15.0	13.5	12.0	10.5	6.0	5.0	4.0	3.0	2.0	1.5		
PROJECT: Range Wash - Las Vegas Wash Diversion Channel												
LVRW 0025, 0027, 0038, 0039	3	3	3	3	2	2	2	2	2	3	72.5	
	15.0	13.5	12.0	10.5	6.0	5.0	4.0	3.0	2.0	1.5		
PROJECT: Lower Las Vegas Wash Detention Basin Inflow Channel												
LVMD 2052, 2053, 2054, 2055	3	3	3	3	2	2	2	2	2	1	71.5	
	15.0	13.5	12.0	10.5	6.0	5.0	4.0	3.0	2.0	0.5		
HYDROGRAPHIC BASIN: RANGE												
PROJECT: Orchard Collector - Charleston to Linden												
SLOR 0158	3	3	3	3	4	3	2	3	3	3	83.5	
	15.0	13.5	12.0	10.5	12.0	7.5	4.0	4.5	3.0	1.5		
PROJECT: Jim McLaughley Detention Basin & Outfall												
SLWA 0130, 0150, 0151, 0152, 0153, 0175 & SLOW 0000, 0005	4	3	3	3	4	2	2	2	2	2	83.0	
	20.0	13.5	12.0	10.5	12.0	5.0	4.0	3.0	2.0	1.0		
PROJECT: Range Wash - Sloan Channel, Stewart Bridge												
RWSL 0187	3	3	3	3	3	3	2	3	2	2	79.0	
	15.0	13.5	12.0	10.5	9.0	7.5	4.0	4.5	2.0	1.0		
PROJECT: Bellway Collection System - Pecos												
RWWE 0500 & RWBW 0011, 0013	3	3	3	3	3	3	2	3	2	2	79.0	
	15.0	13.5	12.0	10.5	9.0	7.5	4.0	4.5	2.0	1.0		
PROJECT: Range Wash - Bellway Conveyance												
RWBW 0035, 0037, 0066, 0083, & RWWE 0518, 0520, 0550	3	3	3	3	2	3	2	2	2	2	74.5	
	15.0	13.5	12.0	10.5	6.0	7.5	4.0	3.0	2.0	1.0		
PROJECT: Speedway #3 Detention Basin Expansion and Inflow/Outflow Facilities												
RWSP 0000, 0024, 0026, 0076	3	3	3	3	2	2	2	2	2	2	72.0	
	15.0	13.5	12.0	10.5	6.0	5.0	4.0	3.0	2.0	1.0		
PROJECT: Nellis Storm Drain - Sloan Channel to Craig												
SLNL 0000, 0064	3	3	3	2	2	2	2	2	2	2	68.5	
	15.0	13.5	12.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0		
PROJECT: Las Vegas Boulevard Storm Drain - Nellis to Range												
SLLV 0000	3	3	3	2	2	2	2	2	2	1	68.0	
	15.0	13.5	12.0	7.0	6.0	5.0	4.0	3.0	2.0	0.5		
PROJECT: Sloan Channel East Branch and Range Wash West Tributary												
SLEB 0046, 0053, RWWE 0000	3	3	2	2	2	2	2	2	2	1	64.0	
	15.0	13.5	8.0	7.0	6.0	5.0	4.0	3.0	2.0	0.5		
PROJECT: Speedway North Detention Basin and Outfall												
RWHW 0459, 0498, 0499, 0500	2	3	2	2	2	2	2	2	2	1	59.0	
	10.0	13.5	8.0	7.0	6.0	5.0	4.0	3.0	2.0	0.5		
PROJECT: Alto Conveyance - Confluence Detention Basin to Los Feliz												
RWAL 0000, 0068	2	3	2	2	2	2	2	2	1	1	58.0	
	10.0	13.5	8.0	7.0	6.0	5.0	4.0	3.0	1.0	0.5		
PROJECT: Confluence Detention Basin Upgrade												
RWSL 0503	2	3	2	2	2	2	2	2	1	1	58.0	
	10.0	13.5	8.0	7.0	6.0	5.0	4.0	3.0	1.0	0.5		
HYDROGRAPHIC BASIN: Apex												
PROJECT: North Apex - System 1 Detention Basin and Outfall												
NAP1 0000, 0002, 0009, 0152, 0153, 0154	3	3	3	3	2	2	2	2	2	2	72.0	
	15.0	13.5	12.0	10.5	6.0	5.0	4.0	3.0	2.0	1.0		

EXHIBIT B

Project Prioritization

Priority Factor and Weight												Priority Value
Pop.	Land	Public	Access	Avoid	Funding	Relation	Implem.	Env.	O&M			
5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5			

CLARK COUNTY												
HYDROGRAPHIC BASIN: Tropicana/ Flamingo												
PROJECT: Airport Channel - Naples Channel and Peaking Basin												
TRMC 0013, 0014, 0031, 0033 & TRSW 0080	4	3	3	3	4	3	3	4	3	3		92.0
	20.0	13.5	12.0	10.5	12.0	7.5	6.0	6.0	3.0	1.5		
PROJECT: Tropicana Wash - Naples Outfall - Swenson												
TRSW 0000, 0003, 0074	4	3	3	3	4	3	3	4	3	3		92.0
	20.0	13.5	12.0	10.5	12.0	7.5	6.0	6.0	3.0	1.5		
PROJECT: Flamingo Wash - Maryland to Pinos Verde												
FLWA 0621 & 0673	4	3	3	3	4	4	3	3	2	3		92.0
	20.0	13.5	12.0	10.5	12.0	10.0	6.0	4.5	2.0	1.5		
PROJECT: Flamingo Wash - UPRR to Hotel Rio Dr.												
FLWA 0893 & 0896	4	3	3	3	4	3	3	3	2	3		89.5
	20.0	13.5	12.0	10.5	12.0	7.5	6.0	4.5	2.0	1.5		
PROJECT: Las Vegas Wash - Branch 02 - Monsoon Channel - Jimmy Durante to Boulder Hwy												
LV02 0128, 0209, 0211, 0273, 0275, 0282, 0289, 0294	4	3	3	3	4	3	3	3	2	2		89.0
	20.0	13.5	12.0	10.5	12.0	7.5	6.0	4.5	2.0	1.0		
PROJECT: Van Buekirk - Paradise Detention Basin Outfall												
VBTM 0184, 0176, 0215	4	3	3	3	4	3	3	3	2	2		89.0
	20.0	13.5	12.0	10.5	12.0	7.5	6.0	4.5	2.0	1.0		
PROJECT: Van Buekirk - Paradise Detention Basin												
VBTM 0216, 0217	4	3	3	3	4	3	3	3	2	2		89.0
	20.0	13.5	12.0	10.5	12.0	7.5	6.0	4.5	2.0	1.0		
PROJECT: Flamingo - Cimarron Branch - Russell Road to Patrick Lane												
FLCM 0003	4	3	3	3	3	3	3	3	3	2		87.0
	20.0	13.5	12.0	10.5	9.0	7.5	6.0	4.5	3.0	1.0		
PROJECT: Tropicana Avenue Conveyance - Las Vegas Wash to Boulder Hwy.												
LV01 0001, 0038, 0080, 0118	3	3	3	3	3	3	2	2	2	1		77.0
	15.0	13.5	12.0	10.5	9.0	7.5	4.0	3.0	2.0	0.5		
PROJECT: Tropicana Avenue Conveyance - Boulder Hwy. to Morris												
LV01 0135	3	3	3	3	3	3	2	2	1	2		76.5
	15.0	13.5	12.0	10.5	9.0	7.5	4.0	3.0	1.0	1.0		
PROJECT: Blue Diamond - Buffalo Branch - Badura to Mesa Verde												
BDBF 0010, 0076, 0125	3	3	3	3	3	3	2	2	1	2		76.5
	15.0	13.5	12.0	10.5	9.0	7.5	4.0	3.0	1.0	1.0		
PROJECT: Vegas Valley Drive - Mojave to Burnham												
VAVD 0025	3	3	3	3	3	3	2	2	1	2		76.5
	15.0	13.5	12.0	10.5	9.0	7.5	4.0	3.0	1.0	1.0		
PROJECT: Las Vegas Wash - Branch 02 - Monsoon Channel - Las Vegas Wash to Flamingo												
LV02 0001, 0125, 0127	3	3	2	3	3	2	2	3	2	2		72.5
	15.0	13.5	8.0	10.5	9.0	5.0	4.0	4.5	2.0	1.0		
PROJECT: Flamingo Wash - Jones to Tropicana												
FLWA 1153, 1204	3	3	2	3	3	2	2	3	2	2		72.5
	15.0	13.5	8.0	10.5	9.0	5.0	4.0	4.5	2.0	1.0		
PROJECT: Tropicana Avenue Conveyance, Morris to Mountain Vista												
LV01 0151, 0176	3	3	2	3	3	2	2	3	2	2		72.5
	15.0	13.5	8.0	10.5	9.0	5.0	4.0	4.5	2.0	1.0		
PROJECT: Las Vegas Wash - Boulder Hwy. - Tropicana to Harmon												
LVBH 0000	3	3	2	3	2	2	3	3	2	1		71.0
	15.0	13.5	8.0	10.5	6.0	5.0	6.0	4.5	2.0	0.5		
PROJECT: Las Vegas Wash - Christy												
LVCH 0037, 0114	3	3	2	3	3	2	2	2	2	1		70.5
	15.0	13.5	8.0	10.5	9.0	5.0	4.0	3.0	2.0	0.5		
PROJECT: Las Vegas Wash - Charleston												
LVCA 0000	3	3	2	3	3	2	2	2	2	1		70.5
	15.0	13.5	8.0	10.5	9.0	5.0	4.0	3.0	2.0	0.5		

HYDROGRAPHIC BASIN: Duck Creek/Blue Diamond												
PROJECT: Duck Cr. / Blue Diamond, Bermuda Road to Las Vegas Blvd.												
DCBD 0075, 0082 & 0084	4	3	3	3	3	4	3	4	3	2		91.0
	20.0	13.5	12.0	10.5	9.0	10.0	6.0	6.0	3.0	1.0		
PROJECT: Blue Diamond Channel 02, Decatur - Le Baron to Richmar - Phase 2												
BD02 0330, 0334	4	3	3	3	3	4	3	4	3	2		91.0
	20.0	13.5	12.0	10.5	9.0	10.0	6.0	6.0	3.0	1.0		
PROJECT: Blue Diamond Channel, Amigo to Haven												
BDWA 0087, 0111, 0113, 0137, 0139, 0174, 0175	2	3	4	3	4	3	3	3	2	2		83.0
	10.0	13.5	16.0	10.5	12.0	7.5	6.0	4.5	2.0	1.0		
PROJECT: Blue Diamond Railroad Channel												
BDW5 0026, BDW2 0000	3	3	3	3	3	3	3	3	2	2		81.0
	15.0	13.5	12.0	10.5	9.0	7.5	6.0	4.5	2.0	1.0		
PROJECT: Sunset Park - Duck Creek Wash to Eastern Avenue												
DCSP 0000, 0115	3	3	3	3	3	2	3	3	3	2		79.5
	15.0	13.5	12.0	10.5	9.0	5.0	6.0	4.5	3.0	1.0		
PROJECT: Blue Diamond Wash - Pubble, Blue Diamond Wash to Rainbow												
BDW4 0000	3	2	3	3	3	2	2	3	3	2		73.0
	15.0	9.0	12.0	10.5	9.0	5.0	4.0	4.5	3.0	1.0		
PROJECT: Blue Diamond Wash - Wigwam - Rainbow to Buffalo, and Buffalo - Wigwam to Ford												
BDW1 0122, 0220	2	3	3	2	3	2	3	3	3	2		71.0
	10.0	13.5	12.0	7.0	9.0	5.0	6.0	4.5	3.0	1.0		
PROJECT: Blue Diamond Railroad - Buffalo to Durango												
BDW5 0142, 0150, 0159, 0183, 0203, 0235	2	2	3	3	3	3	3	2	2	2		70.0
	10.0	9.0	12.0	10.5	9.0	7.5	6.0	3.0	2.0	1.0		
PROJECT: Duck Creek Wash Tributary 4 - Nature's Glen to Upper Duck Creek Detention Basin												
DCW4 0787, 0796, 0847	2	2	3	3	3	3	3	2	2	2		70.0
	10.0	9.0	12.0	10.5	9.0	7.5	6.0	3.0	2.0	1.0		

EXHIBIT C

EXHIBIT C

CITY OF HENDERSON
10-YEAR CONSTRUCTION PROGRAM
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2022 THRU 6/2027					SECOND FIVE YEARS 7/2027 THRU 6/2032					
		Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 22/23	(Year 2) FY 23/24	(Year 3) FY 24/25	(Year 4) FY 25/26	(Year 5) FY 26/27	(Year 6) FY 27/28	(Year 7) FY 28/29	(Year 8) FY 29/30	(Year 9) FY 30/31	(Year 10) FY 31/32	
TOTAL PLAN				Annual Resources	\$1,074,504,263	\$102,704,843	\$163,627,101	\$65,965,114	\$68,665,248	\$163,628,976	\$65,638,250	\$67,893,108	\$162,678,408	\$63,641,847	\$66,668,223
Unencumbered from previous year		\$83,893,346	Cumulative Available Resources	\$1,019,342,328	\$30,713,986	\$54,619,977	\$36,189,319	\$32,722,540	\$61,667,098	\$71,208,460	\$73,185,891	\$44,078,059	\$56,339,053	\$55,161,935	
ENTITY RESOURCES				Annual Resources	\$62,037,500	(\$1,119,208)	\$11,631,673	\$4,692,095	\$4,877,042	\$11,838,920	\$4,668,845	\$4,807,894	\$11,571,308	\$4,526,827	\$4,742,107
Unencumbered from previous year		(\$8,424,598)	Cumulative Available Resources		(\$1,119,208)	\$9,048,605	\$365,781	\$4,196,832	\$14,157,927	\$4,074,637	\$957,984	\$1,155,521	\$5,682,348	\$384,939	
ENTITY TOTAL		\$827,312,090	\$165,265,250	\$61,652,561	\$0	\$1,463,860	\$13,374,919	\$1,045,992	\$1,677,824	\$14,752,135	\$7,924,547	\$11,373,769	\$0	\$10,039,515	
HYDROGRAPHIC BASIN: PITTMAN		\$627,639,150	\$144,761,050	\$61,273,487	\$0	\$1,463,860	\$13,374,919	\$1,045,992	\$1,677,824	\$14,752,135	\$7,924,547	\$10,994,695	\$0	\$10,039,515	
SYSTEM: Pittman Burns		\$98,833,140	\$18,777,510	\$13,266,193	\$0	\$1,463,860	\$11,802,333	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	PROJECT: Pittman Sunset, Burns to Foster														
	Design/Admin	PTBH 0000, 0014, 0015	Design Started 19/20	\$980,240	\$11,802,333			\$456,073							
	Right-of-way	PTSU 0034, 0037, 0087, 0089	HEN12K19	\$784,190											
	Construction		Eng Est	\$4,901,200				\$11,346,260							
	PROJECT: Galleria to Sunset														
	Design/Admin	PTSU 0000, 0008, 0023, 0028, 0032		\$597,510	\$1,463,860										
	Right-of-way			\$478,000											
	Construction		Developer Participation	\$2,987,470			\$1,463,860								
SYSTEM: Upper Pittman		\$39,658,020	\$51,885,240	\$48,007,294	\$0	\$0	\$1,572,586	\$1,045,992	\$1,677,824	\$14,752,135	\$7,924,547	\$10,994,695	\$0	\$10,039,515	
	PROJECT: Southeast Pittman Detention Basin														
	Design/Admin	PTBE 0062, 0063, 0064 & PTSO 0000		\$1,325,760	\$9,604,768			\$925,248			\$654,587				
	Right-of-way			\$1,060,800											
	Construction			\$6,628,770				\$8,024,952							
	PROJECT: Pittman Wash South Phase 1 - Pittman North Detention Basin to Larson Lane														
	Design/Admin	PTSD 0016, 0017, 0043		\$1,026,440	\$7,900,321				\$730,680			\$516,936			
	Right-of-way			\$821,140				\$315,312							
	Construction			\$5,132,170							\$6,337,394				
	PROJECT: Southwest Pittman Detention Basin														
	Design/Admin	PTSD 0233, 0234 & PTN2 0167		\$927,550	\$6,719,833			\$647,337			\$457,973				
	Right-of-way			\$742,040											
	Construction			\$4,637,790						\$5,614,623					
	PROJECT: Pittman Wash South Phase 2 - Larson Lane to Gilesple Street														
	Design/Admin	PTSD 0044, 0070, 0071 & PTGS 0000		\$1,614,170	\$12,672,519					\$1,172,042			\$829,187		
	Right-of-way			\$1,291,340						\$505,783					
	Construction			\$8,070,850								\$10,165,509			
PROJECT: Pittman Wash South Phase 3 - Gilesple Street, Roban Avenue to Via Inspirada Road															
Design/Admin	PTSD 0135		\$1,416,700	\$11,109,732							\$1,070,217			\$757,149	
Right-of-way			\$1,133,360												
Construction			\$7,083,510											\$9,282,366	
HYDROGRAPHIC BASIN: C-1		\$199,672,940	\$20,504,200	\$379,074	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$379,074	\$0	\$0	
SYSTEM: C-1		\$199,672,940	\$20,504,200	\$379,074	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$379,074	\$0	\$0	
	PROJECT: Cadiz Storm Drain - Racetrack to Pueblo														
	Design/Admin	C1CA 0000		\$491,960	\$379,074							\$379,074			
	Right-of-way			\$393,570											
	Construction			\$2,459,790											

EXHIBIT C

CITY OF LAS VEGAS
10-YEAR CONSTRUCTION PROGRAM
ADOPTED

					FIRST FIVE YEARS 7/2022 THRU 6/2027					SECOND FIVE YEARS 7/2027 THRU 6/2032				
	Fac ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 22/23	(Year 2) FY 23/24	(Year 3) FY 24/25	(Year 4) FY 25/26	(Year 5) FY 26/27	(Year 6) FY 27/28	(Year 7) FY 28/29	(Year 8) FY 29/30	(Year 9) FY 30/31	(Year 10) FY 31/32
Annual Resources				\$1,074,504,263	\$102,704,843	\$163,527,101	\$65,965,114	\$68,565,248	\$163,628,976	\$65,638,250	\$67,593,108	\$162,678,408	\$63,641,647	\$66,668,223
Unencumbered from previous year	\$83,893,346		Cumulative Available Resources	\$1,019,342,328	\$30,713,986	\$54,619,977	\$36,189,319	\$32,722,540	\$61,667,098	\$71,208,460	\$73,185,881	\$44,078,069	\$56,339,053	\$55,181,935
ENTITY RESOURCES				\$337,204,405	\$16,671,520	\$59,033,061	\$23,813,316	\$24,751,961	\$59,069,838	\$23,695,319	\$24,401,020	\$58,726,684	\$22,974,548	\$24,067,138
Unencumbered from previous year	(\$20,404,788)		Cumulative Available Resources		\$6,525,746	\$1,540,747	\$1,883,331	\$3,644,592	\$18,782,141	\$24,116,515	\$10,421,914	\$8,301,549	\$7,094,281	\$19,650,628
ENTITY TOTAL		\$1,372,662,650	\$838,754,092	\$317,553,777	\$10,145,774	\$64,018,061	\$23,470,732	\$22,990,700	\$43,922,289	\$18,370,944	\$38,095,621	\$60,847,049	\$24,181,816	\$11,510,791
HYDROGRAPHIC BASIN: GOWAN		\$447,692,150	\$127,415,880	\$49,721,100	\$0	\$598,012	\$0	\$15,934,299	\$7,102,121	\$1,164,391	\$0	\$13,999,336	\$10,922,942	\$0
SYSTEM: Gowan North		\$273,309,150	\$126,944,520	\$49,721,100	\$0	\$598,012	\$0	\$15,934,299	\$7,102,121	\$1,164,391	\$0	\$13,999,336	\$10,922,942	\$0
PROJECT: Gowan Outfall - Clayton Branch									\$1,492,337			\$1,055,787		
Design/Admin			\$2,055,290											
Right-of-way	GOCL 0000		\$1,644,230	\$15,491,672										
Construction			\$10,276,460									\$12,943,549		
PROJECT: Gowan - Alexander Rd., Rancho to Decatur								\$869,749						
Design/Admin		Design Started in 13/14	\$1,832,700											
Right-of-way	GOAL 0000, 0058	LAS30A13	\$1,466,160	\$15,934,299										
Construction		Engr's Est	\$9,163,480					\$15,064,550						
PROJECT: Gowan - Craig and US-95														
Design/Admin			\$1,572,190							\$1,164,391			\$823,774	
Right-of-way	GOAL 0168, 0247		\$1,257,750	\$12,087,333										
Construction			\$7,860,960										\$10,099,168	
PROJECT: Gowan - Rancho, Alexander to Jones and Alexander Branch														
Design/Admin			\$874,010			\$598,012			\$423,076					
Right-of-way	GOAL 0100, GOA2 0000		\$699,200	\$6,207,798										
Construction			\$4,370,010						\$5,186,707					
HYDROGRAPHIC BASIN: UPPER NORTHERN LV WASH		\$398,526,720	\$203,558,552	\$41,685,996	\$9,589,971	\$714,038	\$15,674,783	\$3,869,611	\$7,193,334	\$0	\$0	\$4,644,259	\$0	\$0
SYSTEM: Ann Road		\$90,182,950	\$22,381,710	\$9,413,519	\$404,569	\$0	\$0	\$3,869,611	\$495,081	\$0	\$0	\$4,644,259	\$0	\$0
PROJECT: Ann Road Channel West - Jones, Ann to Tropical														
Design/Admin			\$614,940		\$404,569				\$291,833					
Right-of-way	ANJO 0000		\$491,950	\$4,274,190										
Construction			\$3,074,710						\$3,577,777					
PROJECT: Ann Road Channel West - Decatur, Ann to Tropical														
Design/Admin			\$681,840						\$495,081			\$350,258		
Right-of-way	ANDE 0000		\$545,470	\$5,139,340										
Construction			\$3,409,200									\$4,294,003		
SYSTEM: Upper Western Tributary		\$264,027,000	\$37,904,552	\$32,272,477	\$9,185,402	\$714,038	\$15,674,783	\$0	\$6,698,263	\$0	\$0	\$0	\$0	\$0
PROJECT: Brent Drainage System - Durango to OHare														
Design/Admin		Design Started 19/20	\$1,495,900		\$984,153									
Right-of-way	BRDB 0107, 0157	LAS22U19	\$1,196,720	\$9,185,402										
Construction			\$7,479,480		\$8,201,250									
PROJECT: Centennial Pkwy Channel West - Farm Rd - Oso Blanca to Tee Pee														
Design/Admin		Design Started 20/21	\$1,056,991				\$491,783							
Right-of-way	CNFR 0000	LAS23J21	\$845,593	\$15,674,783										
Construction		Engr's Est	\$5,284,954				\$15,183,000							
PROJECT: Centennial Pkwy Channel West - Farm Rd - Tee Pee to Hualapai														
Design/Admin			\$1,043,586			\$714,038			\$505,162					
Right-of-way	CNFR 0400		\$834,869	\$7,412,282										
Construction			\$5,217,929						\$6,193,091					

EXHIBIT C

CITY OF NORTH LAS VEGAS
10-YEAR CONSTRUCTION PROGRAM
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2022 THRU 6/2027					SECOND FIVE YEARS 7/2027 THRU 6/2032					
Fac. ID Mile Range		Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 22/23	(Year 2) FY 23/24	(Year 3) FY 24/25	(Year 4) FY 25/26	(Year 5) FY 26/27	(Year 6) FY 27/28	(Year 7) FY 28/29	(Year 8) FY 29/30	(Year 9) FY 30/31	(Year 10) FY 31/32	
TOTAL PLAN				Annual Resources	\$1,074,504,263	\$102,704,843	\$103,627,101	\$68,966,114	\$68,966,248	\$163,628,978	\$65,838,260	\$67,893,106	\$162,678,408	\$63,641,647	\$66,868,223
Unencumbered from previous year		\$63,693,346	Cumulative Available Resources		\$1,019,342,328	\$30,713,986	\$54,619,977	\$36,189,319	\$32,722,540	\$61,667,098	\$71,208,460	\$73,185,891	\$44,076,059	\$56,339,053	\$55,161,935
ENTITY RESOURCES				Annual Resources	\$264,653,574	\$49,835,658	\$39,563,364	\$15,959,445	\$16,568,515	\$39,568,011	\$15,880,365	\$16,353,316	\$39,358,033	\$15,397,311	\$16,129,554
Unencumbered from previous year		\$24,987,489	Cumulative Available Resources			\$13,622,390	\$18,038,748	\$11,147,262	\$20,962,099	\$18,389,642	\$12,796,681	\$18,911,547	\$15,247,157	\$17,521,402	\$10,769,766
ENTITY TOTAL		\$819,252,740	\$578,863,055	\$253,883,808	\$36,213,268	\$35,147,006	\$22,850,932	\$6,773,678	\$42,160,469	\$21,473,325	\$10,238,452	\$43,022,423	\$13,123,066	\$22,881,190	
HYDROGRAPHIC BASIN: LOWER NORTHERN LV WASH		\$420,934,570	\$199,487,445	\$82,106,440	\$10,010,449	\$30,543,094	\$19,369,112	\$379,428	\$0	\$18,245,032	\$3,559,325	\$0	\$0	\$0	
SYSTEM: Lower Western Tributary		\$148,367,170	\$12,483,900	\$3,938,752	\$0	\$0	\$0	\$379,428	\$0	\$0	\$3,559,325	\$0	\$0	\$0	
	PROJECT: Lower Las Vegas Wash Detention Basin Inflow Channel														
	Design/Admin	LVMD 2052, 2053, 2054, 2055		\$533,010				\$379,428			\$268,434				
	Right-of-way			\$426,400											
	Construction			\$2,665,040				\$3,290,890							
SYSTEM: LV Wash Craig		\$192,994,230	\$54,360,999	\$33,175,225	\$0	\$5,000,000	\$18,459,845	\$0	\$0	\$9,715,380	\$0	\$0	\$0	\$0	
	PROJECT: North Las Vegas Detention Basin Upgrade														
	Design/Admin	LVUP 0401,0406,0407, 0422,0443,0444,0445	Design Started 21/22	\$3,490,861			\$1,624,182								
	Right-of-way		NLV01K22	\$2,792,693											
	Construction		Eng Est	\$17,776,305			\$15,800,000								
	PROJECT: Las Vegas Wash - Iron Mountain, Bradley to Decatur														
	Design/Admin	IRMO 0000	Design started 20/21	\$1,483,030		\$400,000									
	Right-of-way		LAS32A21	\$1,186,420											
	Construction			\$7,415,130		\$4,600,000									
	PROJECT: Range Wash - Las Vegas Wash Diversion Channel														
	Design/Admin	LVRW 0025, 0027, 0038, 0039		\$1,483,970			\$1,035,663			\$732,703					
	Right-of-way			\$1,187,180											
	Construction			\$7,419,870				\$8,982,677							
SYSTEM: Cheyenne Lamb Nellis		\$79,573,170	\$132,642,546	\$44,992,462	\$10,010,449	\$25,543,094	\$909,266	\$0	\$0	\$8,529,652	\$0	\$0	\$0	\$0	
	PROJECT: Lake Mead Storm Drain, Las Vegas Wash to Civic Center														
	Design/Admin	LVLE 0000, 0047	Design Started 20/21	\$1,405,650		\$641,179									
	Right-of-way		NLV10M21	\$1,124,520											
	Construction			\$7,028,250		\$7,860,606									
	PROJECT: Las Vegas Boulevard Storm Drain														
	Design/Admin	LVLV 0000		\$1,302,860		\$909,266			\$643,281						
	Right-of-way			\$1,042,290											
	Construction			\$6,514,300				\$7,886,372							
	PROJECT: Las Vegas Wash Cartier Channel Phase 1														
	Design/Admin	LVCC 0000, 0030, 0035	Design Started 19/20	\$1,163,815	\$510,449										
	Right-of-way		NLV10L19	\$931,046											
	Construction		RTC Lead	\$5,819,056	\$9,500,000										
	PROJECT: Las Vegas Wash Cartier Channel Phase 2														
	Design/Admin	LVCC 0000, 0030	Design Started 19/20	\$1,163,815											
	Right-of-way		NLV10L19	\$931,046		\$1,041,310									
	Construction			\$5,819,056		\$16,000,000									

EXHIBIT C

CITY OF NORTH LAS VEGAS
10-YEAR CONSTRUCTION PROGRAM
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2022 THRU 6/2027					SECOND FIVE YEARS 7/2027 THRU 6/2032						
		Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 22/23	(Year 2) FY 23/24	(Year 3) FY 24/25	(Year 4) FY 25/26	(Year 5) FY 26/27	(Year 6) FY 27/28	(Year 7) FY 28/29	(Year 8) FY 29/30	(Year 9) FY 30/31	(Year 10) FY 31/32	
TOTAL PLAN					Annual Resources	\$1,074,504,263	\$102,704,843	\$163,827,101	\$65,966,114	\$68,668,248	\$163,828,976	\$65,638,260	\$67,593,108	\$162,878,408	\$63,641,647	\$68,668,223
Unencumbered from previous year		\$83,893,346	Cumulative Available Resources		\$1,019,342,328	\$30,713,986	\$54,619,977	\$36,189,319	\$32,722,540	\$61,667,068	\$71,208,460	\$73,185,861	\$44,078,059	\$56,339,053	\$55,161,935	
ENTITY RESOURCES					Annual Resources	\$264,653,574	\$49,835,658	\$39,563,364	\$15,959,445	\$16,568,515	\$39,568,011	\$15,880,365	\$16,353,318	\$39,358,033	\$15,397,311	\$18,129,554
Unencumbered from previous year		\$24,987,489	Cumulative Available Resources			\$13,622,390	\$18,038,748	\$11,147,262	\$20,962,099	\$18,389,642	\$12,796,681	\$18,911,547	\$15,247,157	\$17,521,402	\$10,769,766	
ENTITY TOTAL			\$819,252,740	\$578,863,055	\$253,883,808	\$36,213,268	\$35,147,006	\$22,850,932	\$6,773,678	\$42,160,469	\$21,473,325	\$10,238,452	\$43,022,423	\$13,123,066	\$22,881,190	
HYDROGRAPHIC BASIN: RANGE			\$196,209,210	\$262,708,330	\$141,001,745	\$26,202,819	\$1,993,539	\$0	\$6,394,250	\$17,477,039	\$3,228,293	\$6,679,128	\$43,022,423	\$13,123,066	\$22,881,190	
SYSTEM: Lower Range			\$92,621,110	\$53,363,990	\$54,004,941	\$26,202,819	\$243,389	\$0	\$2,238,396	\$0	\$0	\$2,439,147	\$0	\$0	\$22,881,190	
PROJECT: Orchard Collector - Charleston to Linden						\$453,984										
Design/Admin		SLOR 0158	Design Started 00/01	\$428,160	\$6,939,465											
Right-of-way			CLA21A00	\$342,530												
Construction			Est	\$2,140,810			\$6,485,481									
PROJECT: Jim McGaughey Detention Basin & Outfall																
Design/Admin		SLWA 0130, 0150, 0151, 0152, 0153, 0175 & SLOW 0000, 0005	Design Started 17/18	\$961,680	\$19,263,354	\$1,207,883										
Right-of-way			CLA36A18	\$769,320		\$800,000										
Construction			Eng Est	\$4,808,280		\$17,255,471										
PROJECT: Range Wash - Sloan Channel, Stewart Bridge																
Design/Admin		RWSL 0187		\$355,720	\$2,481,786		\$243,389		\$168,815							
Right-of-way				\$284,570												
Construction				\$1,778,580			\$2,069,582									
PROJECT: Alto Conveyance - Confluence Detention Basin to Los Feliz																
Design/Admin		RWAL 0000, 0068		\$2,200,230	\$17,254,138							\$1,662,119			\$1,175,903	
Right-of-way				\$1,760,180												
Construction				\$11,001,150											\$14,416,116	
PROJECT: Confluence Detention Basin Upgrade																
Design/Admin		RWSL 0503		\$1,028,590	\$8,066,198							\$777,027			\$549,725	
Right-of-way				\$822,880												
Construction				\$5,142,970											\$6,739,446	
SYSTEM: West Range			\$85,613,560	\$145,159,210	\$65,953,477	\$0	\$1,750,149	\$0	\$3,703,666	\$17,477,039	\$0	\$0	\$43,022,423	\$0	\$0	
PROJECT: Nellis Storm Drain - Sloan Channel to Craig										\$2,364,799			\$1,673,029			
Design/Admin		SLNL 0000, 0064		\$3,256,870	\$24,548,542											
Right-of-way				\$2,605,500												
Construction				\$16,284,370									\$20,510,715			
PROJECT: Las Vegas Boulevard Storm Drain - Nellis to Range																
Design/Admin		SLLV 0000		\$2,585,440	\$19,487,630					\$1,877,276			\$1,328,120			
Right-of-way				\$2,068,350												
Construction				\$12,927,190									\$16,282,233			
PROJECT: Range Wash - Beltway Conveyance																
Design/Admin		RWBW 0035, 0037, 0068, 0063, & RWWE 0518, 0520, 0550		\$2,008,390	\$14,264,998		\$1,374,173			\$972,189						
Right-of-way				\$1,806,720												
Construction				\$10,041,930								\$11,918,635				
PROJECT: Beltway Collection System - Pecos																
Design/Admin		RWWE 0500 & RWBW 0011, 0013		\$549,500	\$4,079,843		\$375,977		\$260,777							
Right-of-way				\$439,600												
Construction				\$2,958,960						\$3,443,089						
PROJECT: Sloan Channel East Branch and Range Wash West Tributary																
Design/Admin		SLEB 0046, 0053 RWWE 0000		\$473,960	\$3,572,488					\$344,140			\$243,470			
Right-of-way				\$379,170												
Construction				\$2,369,810								\$2,984,856				
SYSTEM: East Range			\$17,974,540	\$64,185,130	\$21,043,327	\$0	\$0	\$0	\$451,987	\$0	\$3,228,293	\$4,239,981	\$0	\$13,123,066	\$0	
PROJECT: Speedway North Detention Basin and Outfall																
Design/Admin		RWHW 0459, 0498, 0499, 0500		\$1,888,870	\$16,351,350						\$1,398,930			\$989,704		
Right-of-way				\$1,511,090								\$1,829,363				
Construction				\$9,444,330											\$12,133,362	
PROJECT: Speedway #3 Detention Basin Expansion and Inflow/Outflow Facilities																
Design/Admin		RWSP 0000, 0024, 0026, 0076		\$634,940	\$4,691,968				\$451,987			\$319,768				
Right-of-way				\$507,940												
Construction				\$3,174,680								\$3,920,213				
HYDROGRAPHIC BASIN: Apex			\$10,556,880	\$76,028,740	\$30,775,623	\$0	\$2,610,373	\$3,481,820	\$0	\$24,683,430	\$0	\$0	\$0	\$0	\$0	
PROJECT: North Apex - System 1 Detention Basin and Outfall																
Design/Admin		NAP1 0000, 0002, 0009, 0152, 0153, 0154		\$3,815,130	\$30,775,623		\$2,610,373			\$1,846,766						
Right-of-way				\$3,052,090				\$3,481,820								
Construction				\$19,240,810							\$22,836,665					

EXHIBIT C

CLARK COUNTY
10-YEAR CONSTRUCTION PROGRAM
ADOPTED

					FIRST FIVE YEARS 7/2022 THRU 6/2027					SECOND FIVE YEARS 7/2027 THRU 6/2032				
	Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 22/23	(Year 2) FY 23/24	(Year 3) FY 24/25	(Year 4) FY 25/26	(Year 5) FY 26/27	(Year 6) FY 27/28	(Year 7) FY 28/29	(Year 8) FY 29/30	(Year 9) FY 30/31	(Year 10) FY 31/32
TOTAL PLAN				Annual Resources	\$1,074,504,263	\$102,704,843	\$163,827,101	\$85,965,114	\$88,888,248	\$163,828,976	\$46,438,280	\$67,893,106	\$162,878,408	\$63,841,647
				Cumulative Available Resources	\$1,019,342,328	\$30,713,886	\$54,819,977	\$36,188,319	\$32,722,540	\$81,867,098	\$71,208,480	\$73,185,881	\$44,078,059	\$56,338,053
ENTITY RESOURCES				Annual Resources	\$353,146,214	\$102,772,823	\$48,111,728	\$18,600,987	\$19,334,178	\$46,140,485	\$18,508,817	\$19,080,052	\$45,872,412	\$17,945,810
				Cumulative Available Resources	\$6,721,382	\$24,574,022	\$18,475,819	\$1,645,735	\$2,058,598	\$19,066,931	\$31,283,639	\$11,969,983	\$15,840,022	\$11,225,427
ENTITY TOTAL					\$1,556,209,874	\$764,316,877	\$341,920,786	\$96,051,142	\$28,259,089	\$24,699,189	\$36,164,263	\$45,727,592	\$1,500,483	\$6,843,344
HYDROGRAPHIC BASIN: Duck Creek/ Blue Diamond					\$509,793,980	\$301,091,860	\$90,134,390	\$14,370,049	\$15,842,263	\$22,574,768	\$0	\$10,496,537	\$1,500,483	\$0
SYSTEM: Blue Diamond Tributaries					\$76,756,840	\$61,719,030	\$41,759,259	\$10,870,049	\$9,118,185	\$0	\$0	\$10,496,537	\$0	\$0
PROJECT: Duck Cr. / Blue Diamond, Bermuda Road to Las Vegas Blvd.														
				Design/Admin										
				Right-of-way	DCBD 0075, 0082 & 0084	CLA39A19	\$991,380	\$10,870,049	\$434,819					
				Construction			\$793,100							
							\$4,956,890		\$10,435,230					
PROJECT: Blue Diamond Channel, Amigo to Haven														
				Design/Admin										
				Right-of-way	BDWA 0087, 0111, 0113, 0137, 0139, 0174, 0175	CLA16P21	\$1,343,740	\$8,127,335	\$612,939					
				Construction			\$1,075,010							
							\$6,718,700		\$7,514,398					
PROJECT: Blue Diamond Wash - Wigwam - Rainbow to Buffalo, and Buffalo - Wigwam to Ford														
				Design/Admin										
				Right-of-way	BDW1 0122, 0220		\$1,655,250	\$12,478,388		\$1,201,870		\$850,289		
				Construction			\$1,324,200							
							\$8,276,260					\$10,424,229		
PROJECT: Blue Diamond Wash - Pebble, Blue Diamond Wash to Rainbow														
				Design/Admin										
				Right-of-way	BDW4 0000		\$1,448,110	\$10,285,487		\$990,820		\$700,977		
				Construction			\$1,158,490							
							\$7,240,530			\$8,593,690				
SYSTEM: Upper Duck Creek					\$121,009,340	\$75,203,030	\$25,800,362	\$3,500,000	\$6,724,108	\$0	\$0	\$0	\$14,075,771	\$0
PROJECT: Blue Diamond Channel 02, Decatur - Le Baron to Richmar - Phase 2														
				Design/Admin										
				Right-of-way	BD02 0330, 0334		\$0	\$3,500,000	\$500,000					
				Construction			\$0							
							\$1,624,838		\$3,000,000					
PROJECT: Blue Diamond Railroad Channel														
				Design/Admin										
				Right-of-way	BDW5 0026, BDW2 0000	CLA38G20	\$1,111,740	\$6,724,108	\$507,114					
				Construction			\$889,390							
							\$5,558,680		\$6,216,994					
PROJECT: Blue Diamond Railroad - Buffalo to Durango														
				Design/Admin										
				Right-of-way	BDW5 0142, 0150, 0159, 0183, 0203, 0235		\$1,062,500	\$8,168,719		\$788,906			\$556,714	
				Construction			\$850,000						\$6,625,099	
							\$5,312,500							
PROJECT: Duck Creek Wash Tributary 4 - Nature's Glen to Upper Duck Creek Detention Basin														
				Design/Admin										
				Right-of-way	DCW4 0787, 0796, 0847		\$963,490	\$7,407,635		\$713,577			\$504,836	
				Construction			\$770,790						\$6,189,122	
							\$4,817,470							
SYSTEM: Lower Duck Creek					\$176,428,900	\$39,736,410	\$22,574,768	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PROJECT: Sunset Park - Duck Creek Wash to Eastern Avenue														
				Design/Admin										
				Right-of-way	DC8P 0000, 0115		\$3,659,240	\$22,574,768	\$1,702,523					
				Construction			\$2,927,390							
							\$18,296,170		\$20,872,245					

EXHIBIT C

CLARK COUNTY
10-YEAR CONSTRUCTION PROGRAM
ADOPTED

					FIRST FIVE YEARS 7/2022 THRU 6/2027					SECOND FIVE YEARS 7/2027 THRU 6/2032				
Fac. ID Mile Range		Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 22/23	(Year 2) FY 23/24	(Year 3) FY 24/25	(Year 4) FY 25/26	(Year 5) FY 26/27	(Year 6) FY 27/28	(Year 7) FY 28/29	(Year 8) FY 29/30	(Year 9) FY 30/31	(Year 10) FY 31/32
TOTAL PLAN				Annual Resources	\$1,074,504,263	\$102,794,843	\$163,627,191	\$66,966,114	\$66,966,246	\$163,628,976	\$66,638,280	\$67,893,108	\$162,678,406	\$63,641,647
Unencumbered from previous year				Cumulative Available Resources	\$1,019,342,328	\$30,713,986	\$54,819,977	\$36,189,319	\$32,722,540	\$81,867,098	\$71,208,460	\$73,185,891	\$44,078,099	\$56,338,053
ENTITY RESOURCES				Annual Resources	\$353,146,214	\$102,772,523	\$46,111,728	\$18,800,987	\$19,334,178	\$46,140,455	\$18,506,817	\$19,080,052	\$45,872,412	\$17,945,810
Unencumbered from previous year				Cumulative Available Resources	\$6,721,382	\$24,574,022	\$18,475,819	\$1,845,735	\$2,058,598	\$19,066,931	\$31,283,639	\$11,969,983	\$15,840,022	\$11,225,427
ENTITY TOTAL					\$1,556,209,874	\$764,316,877	\$341,920,786	\$96,051,142	\$28,259,089	\$24,699,189	\$36,164,263	\$45,727,592	\$1,500,483	\$6,843,344
HYDROGRAPHIC BASIN: Outlying Areas					\$96,686,044	\$279,265,440	\$70,798,818	\$12,726,192	\$3,774,103	\$2,124,421	\$13,574,100	\$14,523,273	\$0	\$4,347,412
SYSTEM: Goodsprings					\$144,121	\$5,720,856	\$3,144,214	\$3,144,214	\$0	\$0	\$0	\$0	\$0	\$0
PROJECT: Goodsprings - Phase I														
Design/Admin				GSPA 0000, 0018, 0019, 0027	Design Started 09/10	\$462,501				\$202,853				
Right-of-way				& 0029	GSP01B10	\$370,002				\$405,707				
Construction						\$2,312,488				\$2,535,654				
SYSTEM: Muddy River & Tributaries					\$37,360,300	\$158,619,300	\$38,228,044	\$3,044,666	\$0	\$0	\$13,110,663	\$1,933,643	\$0	\$0
PROJECT: Muddy River - Cooper to Yamashita														
Design/Admin				MRLV 0395, 0423, 0424,		\$2,083,490				\$1,370,728				
Right-of-way				0442, 0443, 0458, 0459, 0507,		\$1,526,610				\$968,766				
Construction				0508		\$10,417,450				\$12,121,897				
PROJECT: Ryan Avenue to Lewis														
Design/Admin				MRLV 0184, 0188, 0240,		\$2,663,070				\$1,933,643			\$1,367,998	
Right-of-way				0288, 0276		\$0							\$16,771,083	
Construction						\$13,315,310								
SYSTEM: Mount Charleston					\$24,198	\$1,587,384	\$1,759,535	\$0	\$0	\$0	\$169,499	\$0	\$0	\$1,890,036
PROJECT: Rainbow Canyon Boulevard Bridge														
Design/Admin						\$233,438				\$169,499			\$119,916	
Right-of-way				MTCH 0001		\$186,751								
Construction						\$1,167,194							\$1,478,120	
SYSTEM: Laughlin					\$45,336,505	\$103,177,772	\$18,699,613	\$0	\$1,323,995	\$2,124,421	\$263,089	\$12,420,131	\$0	\$2,467,978
PROJECT: Bridge Canyon Detention Basin														
Design/Admin				LUHS 0415, 0416, 0417		\$1,935,054				\$1,323,995				
Right-of-way						\$1,548,043								
Construction						\$9,675,262				\$936,689				
PROJECT: Hiko Springs Wash Detention Basin Expansion														
Design/Admin				LUHS 0244	Design Started 20/21	\$344,356				\$160,217				
Right-of-way					LAU02021	\$275,485								
Construction						\$1,721,779				\$1,964,203				
PROJECT: Laughlin Marina to Desert Marina Drive														
Design/Admin				LUHA 0000,0001,		\$369,580				\$263,089			\$186,128	
Right-of-way				0013, 0014		\$295,665							\$2,281,851	
Construction						\$1,847,896								
SYSTEM: Searchlight					\$3,608,566	\$7,201,522	\$8,617,104	\$8,637,322	\$0	\$0	\$200,348	\$0	\$1,878,433	\$0
PROJECT: Searchlight - West - State Hwy 164														
Design/Admin				SRWE 0001, 0002,	Design Started 19/20	\$779,043				\$341,688				
Right-of-way				0003, 0005, & 0023	SEA02B19	\$623,235								
Construction					Eng Est	\$3,895,214				\$6,195,634				
PROJECT: Searchlight - West														
Design/Admin						\$281,444				\$200,348			\$141,741	
Right-of-way				SRWE 0049, 0068, 0091		\$225,156							\$1,737,692	
Construction						\$1,407,224								
SYSTEM: Bunkerville					\$10,212,354	\$2,958,606	\$2,450,108	\$0	\$2,450,108	\$0	\$0	\$0	\$0	\$0
PROJECT: Windmill Wash Detention Basin and Jess Waite Levee Facilities														
Design/Admin					Design Started 10/11	\$81,912				\$39,639				
Right-of-way				JEWA 0186, 0188	BUN01D11	\$0								
Construction						\$2,031,507				\$2,410,469				

EXHIBIT C

CITY OF BOULDER CITY
10-YEAR CONSTRUCTION PROGRAM
ADOPTED

					FIRST FIVE YEARS 7/2022 THRU 6/2027					SECOND FIVE YEARS 7/2027 THRU 6/2032				
	Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 22/23	(Year 2) FY 23/24	(Year 3) FY 24/25	(Year 4) FY 25/26	(Year 5) FY 26/27	(Year 6) FY 27/28	(Year 7) FY 28/29	(Year 8) FY 29/30	(Year 9) FY 30/31	(Year 10) FY 31/32
TOTAL PLAN					Annual Resources									
					\$1,074,504,263									
Unencumbered from previous year					\$1,019,342,328									
Entity Resources					Annual Resources									
					\$16,044,513									
Unencumbered from previous year														
ENTITY TOTAL														
HYDROGRAPHIC BASIN: Boulder City														
SYSTEM: Georgia/Buchanan														
PROJECT: Avenue I Storm Drain														
Design/Admin														
Right-of-way														
Construction														
PROJECT: Georgia Buchanan Confluence Facilities														
Design/Admin														
Right-of-way														
Construction														
PROJECT: Georgia Avenue Facilities - Vaquero Drive Bridge														
Design/Admin														
Right-of-way														
Construction														
SYSTEM: North Railroad														
PROJECT: Wells Drive Levee Lining														
Design/Admin														
Right-of-way														
Construction														

EXHIBIT D

**EXHIBIT D
FISCAL YEAR 2022 - 2023
PROJECT LIST**

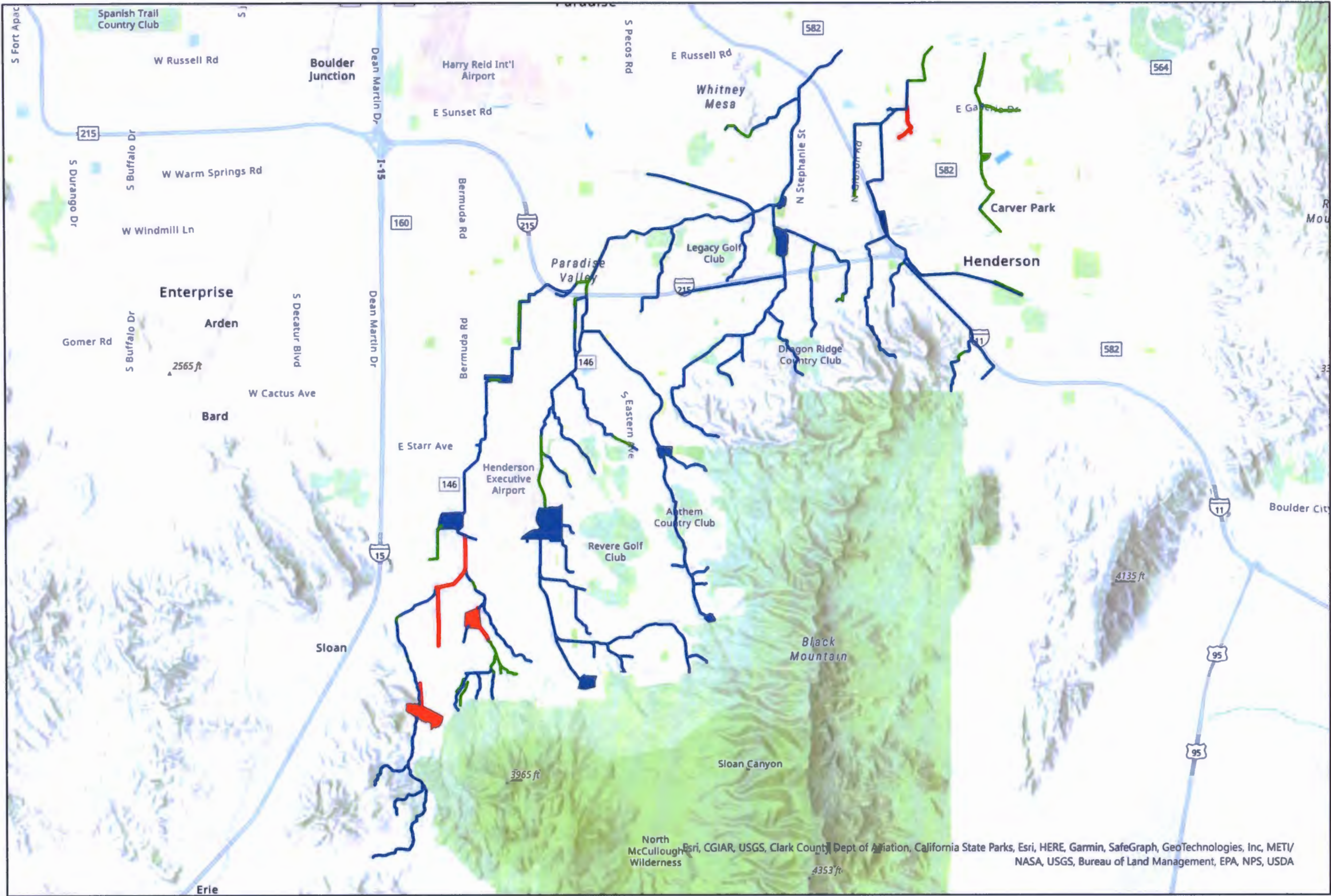
		(Year 1) FY 22/23	(Year 2) FY 23/24	(Year 3) FY 24/25
CITY OF HENDERSON		\$13,266,193		
	TOTAL ELIGIBLE YEAR 1			
	ENTITY TOTAL	\$0	\$1,463,660	\$11,802,333
HYDROGRAPHIC BASIN: PITTMAN		\$0	\$1,463,660	\$11,802,333
	SYSTEM: Pittman Burns	\$0	\$1,463,660	\$11,802,333
	PROJECT: Pittman Sunset, Burns to Foster			
	Design/Admin	PTBH 0000, 0014, 0015		\$456,073
	Construction	PTSU 0034, 0037, 0087, 0089		\$11,346,260
	PROJECT: Galleria to Sunset			
	Construction	PTSU 0000, 0006, 0023, 0028, 0032	\$1,463,660	
CITY OF LAS VEGAS		\$96,322,617		
	TOTAL ELIGIBLE YEAR 1			
	ENTITY TOTAL	\$10,145,774	\$62,706,011	\$23,470,732
	HYDROGRAPHIC BASIN: CENTRAL	\$655,802	\$62,706,011	\$7,795,950
	SYSTEM: LV Wash I-15 Tributary	\$655,802	\$8,658,755	\$0
	PROJECT: Lake Mead - Carey - Lake Mead Detention Basin Outfall			
	Design/Admin	LVLH 0221	\$9,118	
	Construction		\$545,634	
	PROJECT: Owens Avenue System - Vegas Storm Drain, Shadow Mountain to Jones			
	Design/Admin	LVDW 0380	\$294,527	
	Construction		\$8,394,228	
	SYSTEM: LV Wash Central	\$0	\$29,199,446	\$7,795,950
	PROJECT: Las Vegas Wash - Stewart, Las Vegas Wash to Lamb Blvd			
	Design/Admin	LVST 0000	\$774,563	
	Construction		\$26,424,883	
	PROJECT: Meadows Detention Basin Upgrade			
	Design/Admin	LCME 0018, 0021		\$250,000
	Construction			\$2,035,000
	PROJECT: Meadows/Charleston-Via Olivero, Montessori to Buffalo			
	Design/Admin	MECH 0424		\$415,618
	Construction			\$5,095,331
	SYSTEM: Sahara Boulder Highway	\$0	\$24,847,810	\$0
	PROJECT: Fleming - Boulder Hwy. North, Charleston - Main to Maryland			
	Design/Admin	FLBN 0381, 0312	\$587,810	
	Construction		\$24,260,000	
	HYDROGRAPHIC BASIN: UPPER NORTHERN LV WASH	\$9,589,971	\$0	\$15,674,783
	SYSTEM: Ann Road	\$404,569	\$0	\$0
	PROJECT: Ann Road Channel West - Jones, Ann to Tropical			
	Design/Admin	ANJO 0000	\$404,569	
	Construction			
	SYSTEM: Upper Western Tributary	\$9,185,402	\$0	\$15,674,783
	PROJECT: Brent Drainage System - Durango to OHare			
	Design/Admin	BRDB 0107, 0157	\$984,153	
	Construction		\$8,201,250	
	PROJECT: Centennial Pkwy Channel West - Farm Rd - Geo Blanca to Tee Pee			
	Design/Admin	CNFR 0000		\$461,783
	Construction			\$15,183,000
CITY OF NORTH LAS VEGAS		\$84,035,729		
	TOTAL ELIGIBLE YEAR 1			
	ENTITY TOTAL	\$36,213,268	\$30,543,094	\$17,279,367
	HYDROGRAPHIC BASIN: LOWER NORTHERN LV WASH	\$10,010,449	\$30,543,094	\$17,279,367
	SYSTEM: LV Wash Craig	\$0	\$5,000,000	\$17,279,367
	PROJECT: North Las Vegas Detention Basin Upgrade			
	Design/Admin	LVUP 0401, 0403, 0407, 0422, 0443, 0444, 0445		\$1,479,367
	Construction			\$15,800,000
	PROJECT: Las Vegas Wash - Iron Mountain, Bradley to Decatur			
	Design/Admin	IRMO 0000	\$400,000	
	Construction		\$4,600,000	
	SYSTEM: Cheyenne Lamb Nellis	\$10,010,449	\$25,543,094	\$0
	PROJECT: Lake Mead Storm Drain, Las Vegas Wash to Civic Center			
	Design/Admin	LVLE 0000, 0047	\$541,179	
	Construction		\$7,860,806	
	PROJECT: Las Vegas Wash Cartier Channel Phase 1			
	Design/Admin	LVCC 0000, 0030, 0035	\$510,449	
	Construction		\$9,500,000	
	PROJECT: Las Vegas Wash Cartier Channel Phase 2			
	Right-of-way	LVCC 0000, 0030		\$1,041,310
	Construction			\$16,000,000
	HYDROGRAPHIC BASIN: RANGE	\$26,202,819	\$0	\$0
	SYSTEM: Lower Range	\$26,202,819	\$0	\$0
	PROJECT: Orchard Collector - Charleston to Linden			
	Design/Admin	SLOR 0158	\$453,864	
	Construction		\$6,495,481	
	PROJECT: Jim McCaughy Detention Basin & Outfall			
	Design/Admin	SLWA 0130, 0180, 0191, 0192, 0193, 0175 &	\$1,207,863	
	Right-of-way	SLCW 0000, 0008	\$800,000	
	Construction		\$17,255,471	

**EXHIBIT D
FISCAL YEAR 2022 - 2023
PROJECT LIST**

CLARK COUNTY		TOTAL ELIGIBLE YEAR 1	\$144,661,247		
HYDROGRAPHIC BASIN: Tropicana/ Flamingo		ENTITY TOTAL	\$96,051,142	\$24,110,917	\$24,699,189
SYSTEM: Tropicana Flamingo Project			\$68,954,900	\$6,809,366	\$0
PROJECT: Flamingo, Cimarron Branch - Russell Road to Patrick Lane			\$0	\$3,207,724	\$0
Design/Admin		FLCM 0003		\$241,916	
Construction				\$2,965,808	
SYSTEM: Lower Flamingo			\$62,227,651	\$3,601,642	\$0
PROJECT: Flamingo Wash, Maryland to Palos Verde					
Design/Admin		FLWA 0821 & 0873	\$485,299		
Construction			\$5,947,125		
PROJECT: Airport Channel - Naples Channel and Peaking Basin					
Design/Admin		TRMC 0013, 0014, 0031, 0033, & TRSW 0080	\$1,960,000		
Construction			\$26,000,000		
PROJECT: Flamingo Wash - UPRR to Hotel Rio Dr.					
Design/Admin		FLWA 0893 & 0898	\$100,000		
Construction			\$5,696,000		
PROJECT: Van Buskirk - Paradise Detention Basin Outfall					
Design/Admin		VBTM 0164, 0178, 0215	\$340,409	\$236,017	
Construction				\$2,863,479	
PROJECT: Van Buskirk - Paradise Detention Basin					
Design/Admin		VBTM 0216, 0217	\$51,357	\$35,808	
Construction			\$66,477		
PROJECT: Tropicana Wash - Naples Outfall - Swenson					
Design/Admin		TRSW 0000, 0003, 0074	\$377,983		
Construction			\$8,200,000		
SYSTEM: Lower LV Wash Tributaries			\$16,727,250	\$0	\$0
PROJECT: Tropicana Avenue Conveyance - Las Vegas Wash to Boulder Hwy.					
Design/Admin		LVO1 0001, 0036, 0080, 0118	\$670,000		
PROJECT: Tropicana Avenue Conveyance - Boulder Hwy. to Monte					
Design/Admin		LVO1 0135	\$363,115		
PROJECT: Las Vegas Wash - Branch 02 - Monson Channel - Jimmy Durante to Boulder Hwy					
Design/Admin		LVO2 0128, 0209, 0211, 0273, 0275, 0282, 0288, 0384	\$931,621		
Construction			\$14,742,514		
HYDROGRAPHIC BASIN: Duck Creek/ Blue Diamond			\$14,370,049	\$14,851,443	\$22,574,768
SYSTEM: Blue Diamond Tributaries			\$10,870,049	\$8,127,335	\$0
PROJECT: Duck Cr. / Blue Diamond, Bermuda Road to Las Vegas Blvd.					
Design/Admin		DCBO 0076, 0082 & 0084	\$434,819		
Construction			\$10,435,230		
PROJECT: Blue Diamond Channel, Aringo to Haven					
Design/Admin		BDWA 0067, 0111, 0113, 0137, 0139, 0174, 0175	\$812,939		
Construction			\$7,514,396		
SYSTEM: Upper Duck Creek			\$3,500,000	\$6,724,108	\$0
PROJECT: Blue Diamond Channel 62, Decatur - Le Baron to Richmar - Phase 2					
Design/Admin		BD02 0030, 0034	\$500,000		
Construction			\$3,000,000		
PROJECT: Blue Diamond Railroad Channel					
Design/Admin		BDW5 0026, BDW2 0000	\$507,114		
Construction			\$6,216,994		
SYSTEM: Lower Duck Creek			\$0	\$0	\$22,574,768
PROJECT: Sunset Park - Duck Creek Wash to Eastern Avenue					
Design/Admin		DCBP 0000, 0115			\$1,702,523
Construction					\$20,872,245
HYDROGRAPHIC BASIN: Outlying Areas			\$12,726,192	\$2,450,108	\$2,124,421
SYSTEM: Goodsprings			\$3,144,214	\$0	\$0
PROJECT: Goodsprings - Phase I					
Design/Admin		GSFA 0000, 0018, 0019, 0027 & 0029	\$202,853		
Right-of-way			\$405,707		
Construction			\$2,535,654		
SYSTEM: Muddy River & Tributaries			\$3,044,656	\$0	\$0
PROJECT: Muddy River - Cooper to Yamoshita					
Design/Admin		MRLV 0395, 0423, 0424, 0442, 0443, 0458, 0458, 0507, 0508	\$1,370,728		
Right-of-way			\$1,673,628		
SYSTEM: Laughlin			\$0	\$0	\$2,124,421
PROJECT: Hiko Springs Wash Detention Basin Expansion					
Design/Admin		LUNB 0344			\$169,217
Construction					\$1,954,203
SYSTEM: Searchlight			\$6,537,322	\$0	\$0
PROJECT: Searchlight - West - State Hwy 164					
Design/Admin		SRWE 0001, 0002, 0003, 0005, & 0023	\$341,688		
Construction			\$6,195,634		
SYSTEM: Bunkerville			\$0	\$2,450,108	\$0
PROJECT: Windmill Wash Detention Basin and Jess Waite Levee Facilities					
Design/Admin		JEWA 0186, 0186		\$30,630	
Construction				\$2,410,469	
CITY OF BOULDER CITY		TOTAL ELIGIBLE YEAR 1	\$500,734		
HYDROGRAPHIC BASIN: Boulder City		ENTITY TOTAL	\$500,734	\$0	\$0
SYSTEM: Georgia/Buchanan			\$500,734	\$0	\$0
PROJECT: Avenue I Storm Drain					
Design/Admin		GBGR 0189, 0204, 0216, 0218, 0302	\$500,734		
CITY OF MESQUITE		TOTAL ELIGIBLE YEAR 1	\$23,673,285		
HYDROGRAPHIC BASIN: Mesquite		ENTITY TOTAL	\$12,973,285	\$10,700,000	\$0
SYSTEM: Town Wash			\$12,973,285	\$10,700,000	\$0
PROJECT: Town Wash - Mesa Boulevard, El Dorado to Town Wash					
Design/Admin		TWMB 0000 thru 0044, TOWA 0120	\$805,542		
Construction			\$11,507,743		
SYSTEM: Pulsipher Wash			\$660,000	\$0	\$0
PROJECT: Leavitt Lane Crossing					
Construction		PUWA 0086	\$660,000		
SYSTEM: Virgin River			\$0	\$10,700,000	\$0
PROJECT: Virgin River Flood Wall					
Design/Admin		VREC 0000		\$700,000	
Construction				\$10,000,000	

MAPS

Ten Year Construction Program - Pittman Wash Planning Area



Legend

Conveyances

- Completed
- Proposed
- Ten Year

Basins

- Completed
- Proposed
- Ten Year

1 inch equals 1.72 miles

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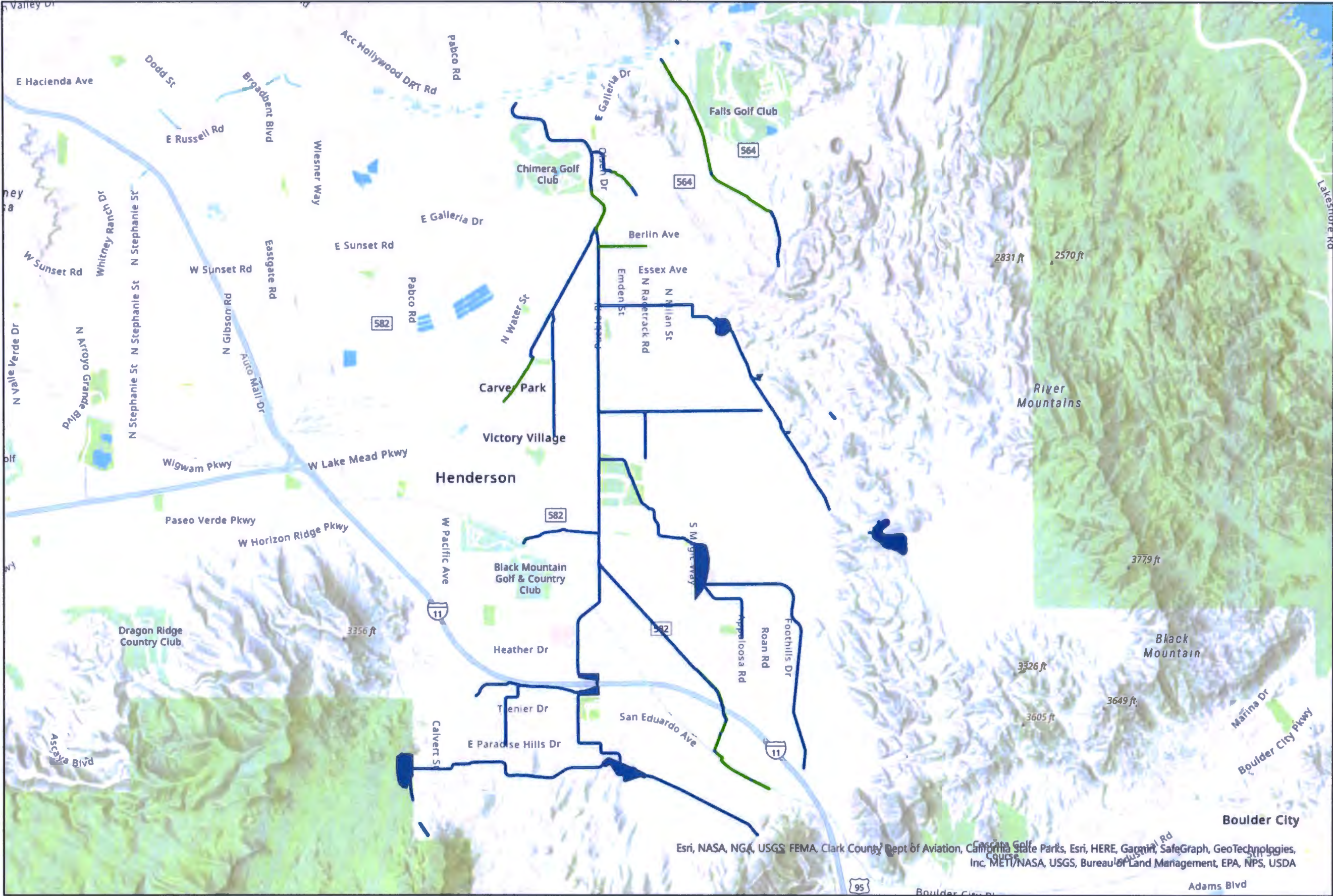
DATA SOURCES:
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT
CLARK COUNTY GISMO
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:
FEMA 2002 DIGITAL FIRM. NOT THE EFFECTIVE FIRM. ALL INFORMATION IS SUBJECT TO CHANGE. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA DELINEATED HEREON. ALL INQUIRIES INTO THE STATUS OF CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT FACILITIES SHOULD BE MADE TO THE DISTRICT OFFICE AT 600 S. GRAND CENTRAL PKWY, SUITE 300, LAS VEGAS, NEVADA 89106-4511.

May 2022

REGIONAL FLOOD CONTROL DISTRICT

Ten Year Construction Program - C-1 Planning Area



Legend

Conveyances

- Completed
- Proposed

Basins

- Completed



1 inch equals 1.01 miles

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DATA SOURCES:
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT
CLARK COUNTY GISMO
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:
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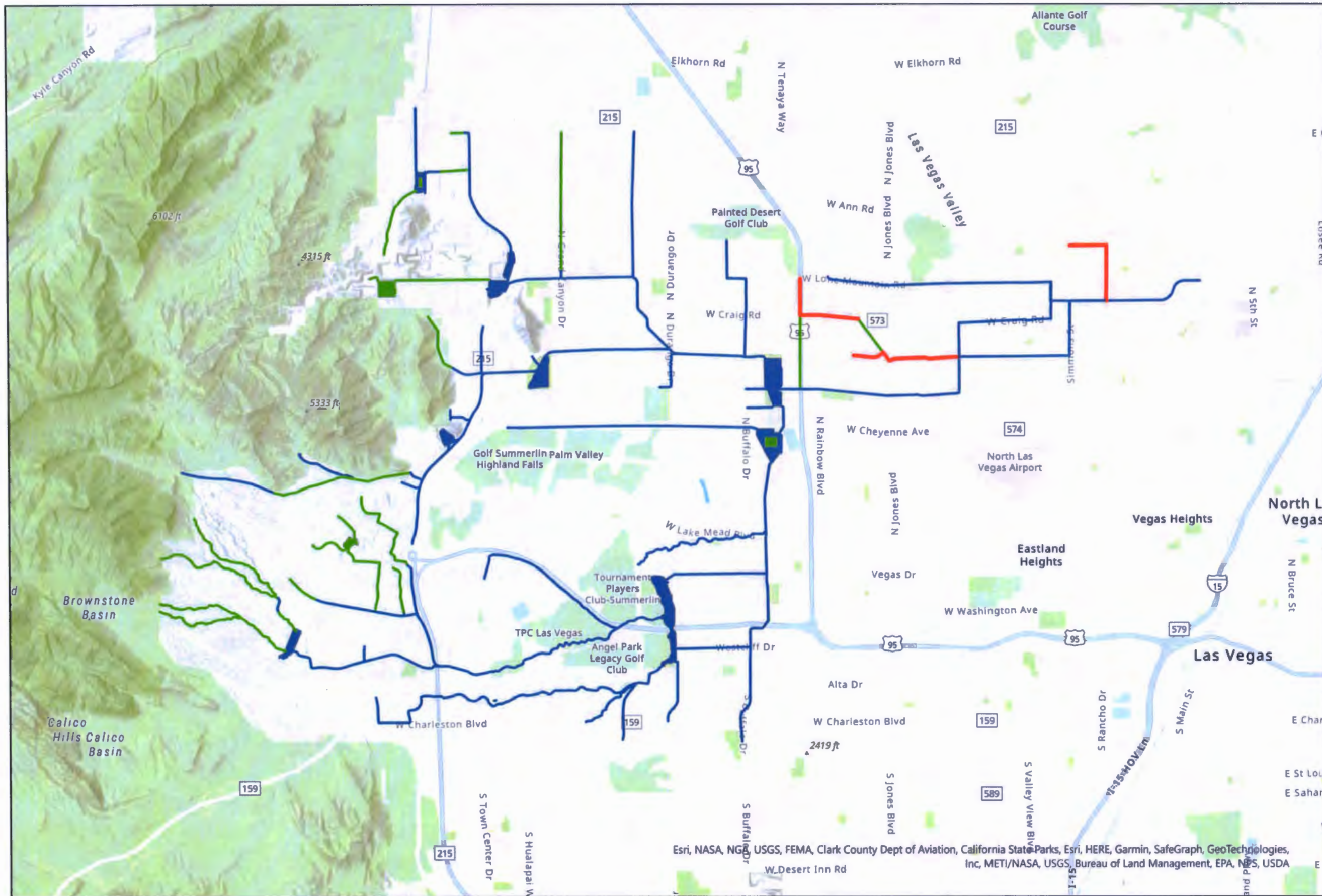
May 2022

REGIONAL FLOOD CONTROL DISTRICT



Esri, NASA, NGA, USGS, FEMA, Clark County Dept of Aviation, California State Parks, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, USDA

Ten Year Construction Program - Gowan Planning Area



Legend

Conveyances

Custom

- Completed
- Proposed
- Ten Year

Basins

Custom

- Completed
Proposed



1 inch equals 1.32 miles

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HEREON.

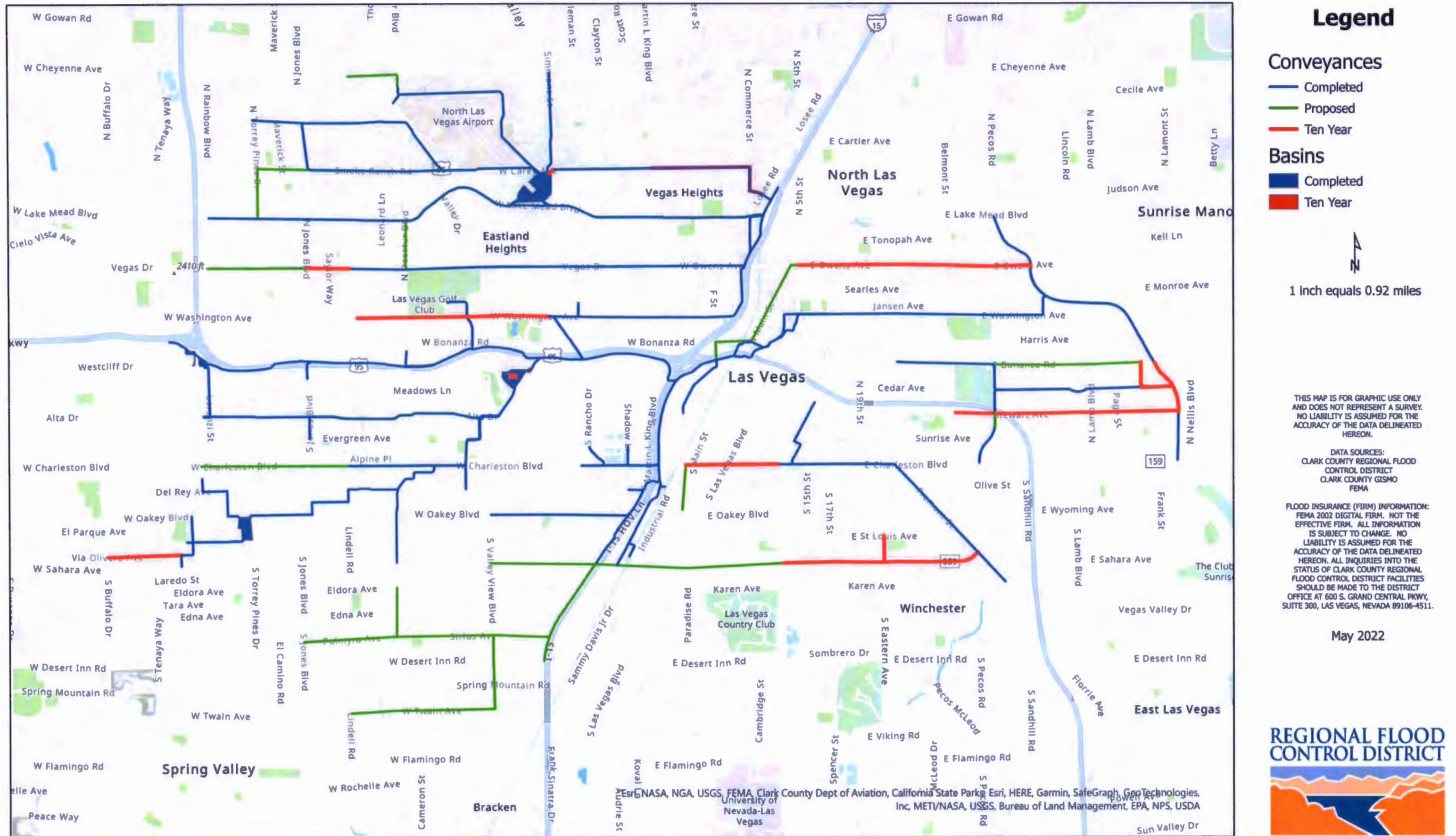
DATA SOURCES:
CLARK COUNTY REGIONAL FLOOD
CONTROL DISTRICT
CLARK COUNTY GISMO
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:
FEMA 2002 DIGITAL FIRM. NOT THE
EFFECTIVE FIRM. ALL INFORMATION
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HEREON. ALL INQUIRIES INTO THE
STATUS OF CLARK COUNTY REGIONAL
FLOOD CONTROL DISTRICT FACILITIES
SHOULD BE MADE TO THE DISTRICT
OFFICE AT 600 S. GRAND CENTRAL PKWY,
SUITE 300, LAS VEGAS, NEVADA 89106-4511.

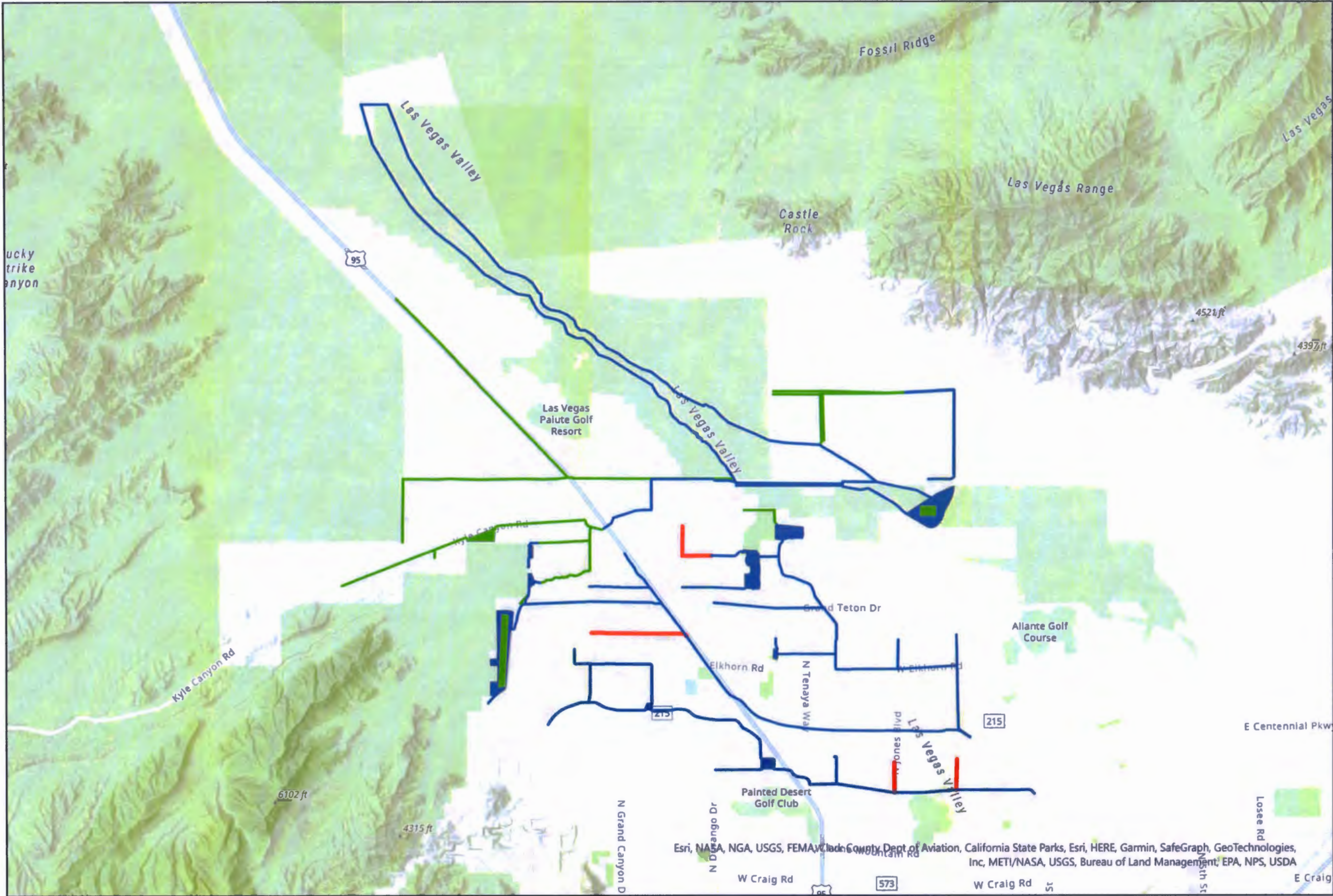
May 2022

REGIONAL FLOOD
CONTROL DISTRICT

Ten Year Construction Program - Central Planning Area



Ten Year Construction Program - Upper Northern Planning Area



Legend

Conveyances

- Completed
- Proposed
- Ten Year

Basins

- Completed
- Proposed



1 inch equals 1.59 miles

THIS MAP IS FOR GRAPHIC USE ONLY AND DOES NOT REPRESENT A SURVEY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA DELINEATED HEREON.

DATA SOURCES:
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT
CLARK COUNTY GISMO
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:
FEMA 2002 DIGITAL FIRM. NOT THE EFFECTIVE FIRM. ALL INFORMATION IS SUBJECT TO CHANGE. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA DELINEATED HEREON. ALL INQUIRIES INTO THE STATUS OF CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT FACILITIES SHOULD BE MADE TO THE DISTRICT OFFICE AT 600 S. GRAND CENTRAL PKWY, SUITE 300, LAS VEGAS, NEVADA 89106-4511.

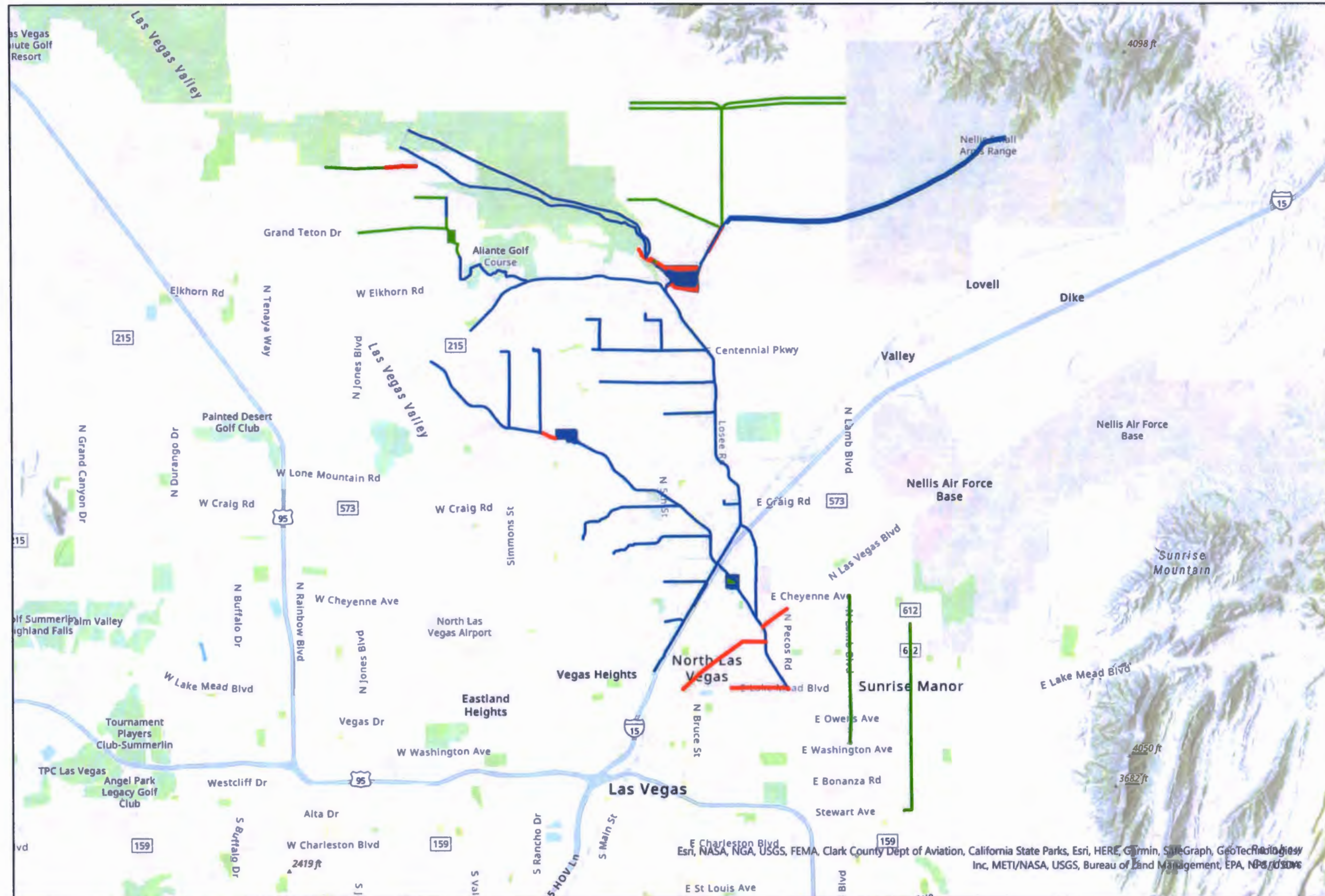
May 2022

REGIONAL FLOOD CONTROL DISTRICT



Esri, NASA, NGA, USGS, FEMA, Clark County Dept of Aviation, California State Parks, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, USDA

Ten Year Construction Program - Lower Northern Planning Area



Legend

Conveyances

- Completed
- Proposed
- Ten Year

Basins

-  Completed
 Proposed
 Ten Year



1 inch equals 1.59 miles

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NO LIABILITY IS ASSUMED FOR THE
ACCURACY OF THE DATA DELINEATED
HEREON.

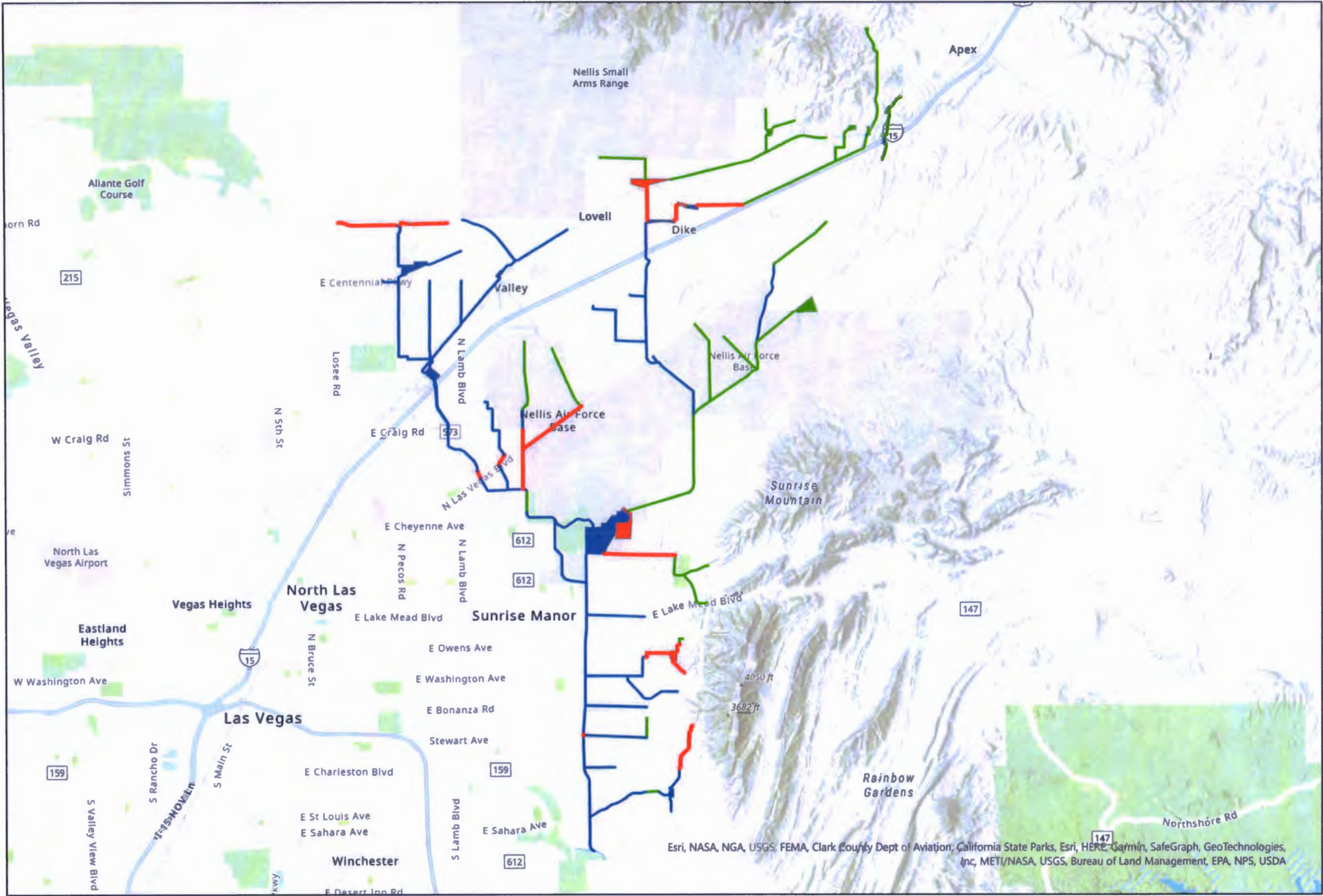
DATA SOURCES:
CLARK COUNTY REGIONAL FLOOD
CONTROL DISTRICT
CLARK COUNTY GISMO
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:
FEMA 2002 DIGITAL FIRM. NOT THE
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STATUS OF CLARK COUNTY REGIONAL
FLOOD CONTROL DISTRICT FACILITIES
SHOULD BE MADE TO THE DISTRICT
OFFICE AT 600 S. GRAND CENTRAL PKWY,
SUITE 300, LAS VEGAS, NEVADA 89106-4511.

May 2022

REGIONAL FLOOD
CONTROL DISTRICT

Ten Year Construction Program - Range Wash Planning Area



Legend

Conveyances

- Completed
- Proposed
- Ten Year

Basins

- Completed
- Proposed
- Ten Year

1 inch equals 1.59 miles

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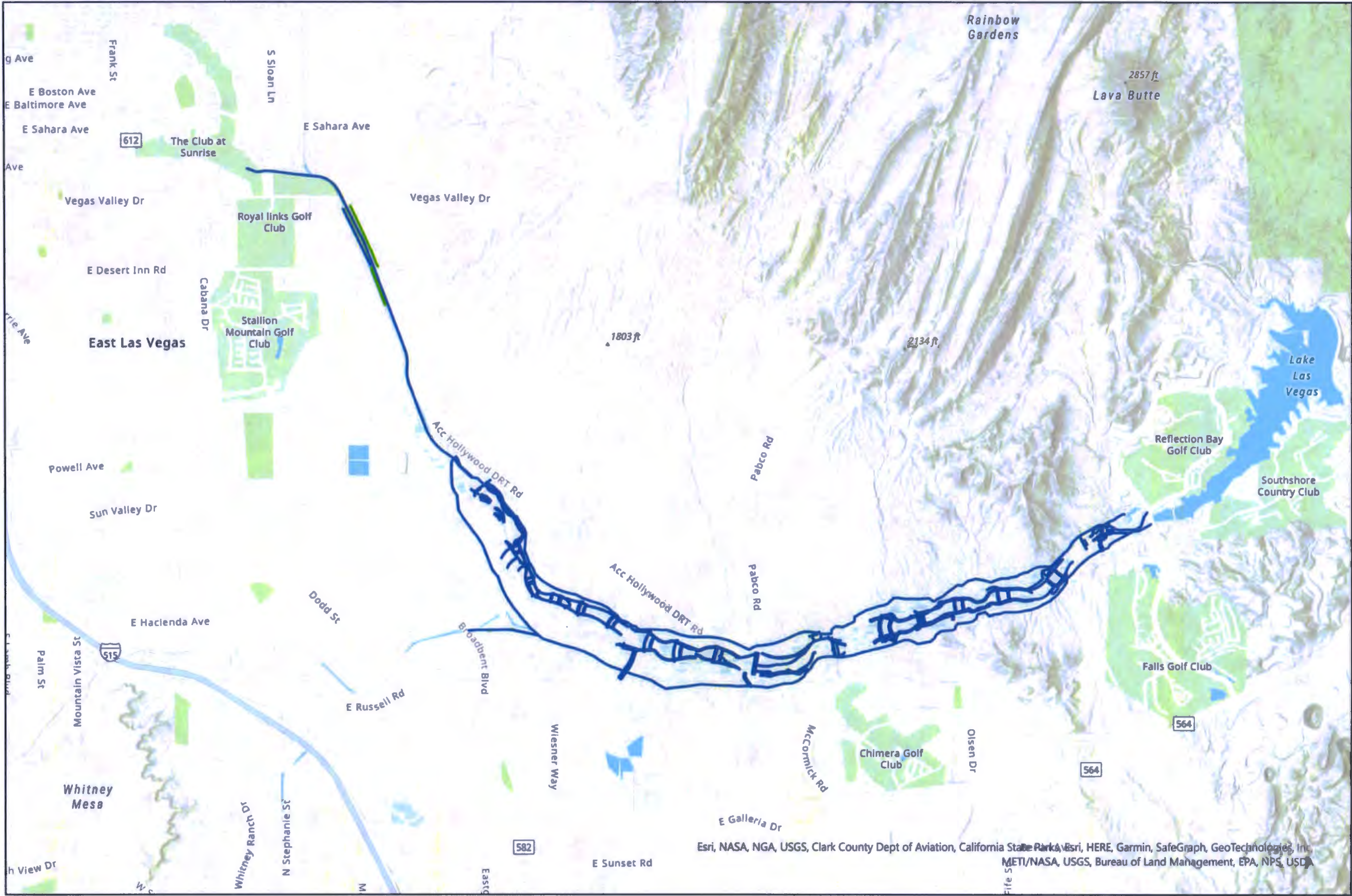
DATA SOURCES:
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT
CLARK COUNTY GISMO
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:
FEMA 2002 DIGITAL FIRM. NOT THE EFFECTIVE FIRM. ALL INFORMATION IS SUBJECT TO CHANGE. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA DELINEATED HEREON. ALL INQUIRIES INTO THE STATUS OF CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT FACILITIES SHOULD BE MADE TO THE DISTRICT OFFICE AT 600 S. GRAND CENTRAL PKWY, SUITE 300, LAS VEGAS, NEVADA 89106-4511.

May 2022

REGIONAL FLOOD CONTROL DISTRICT

Ten Year Construction Program - Lower Las Vegas Wash Planning Area



Legend

Conveyances

- Completed
- Proposed

Basins

- Completed
- Proposed

1 inch equals 0.7 miles

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CLARK COUNTY GISMO
FEMA

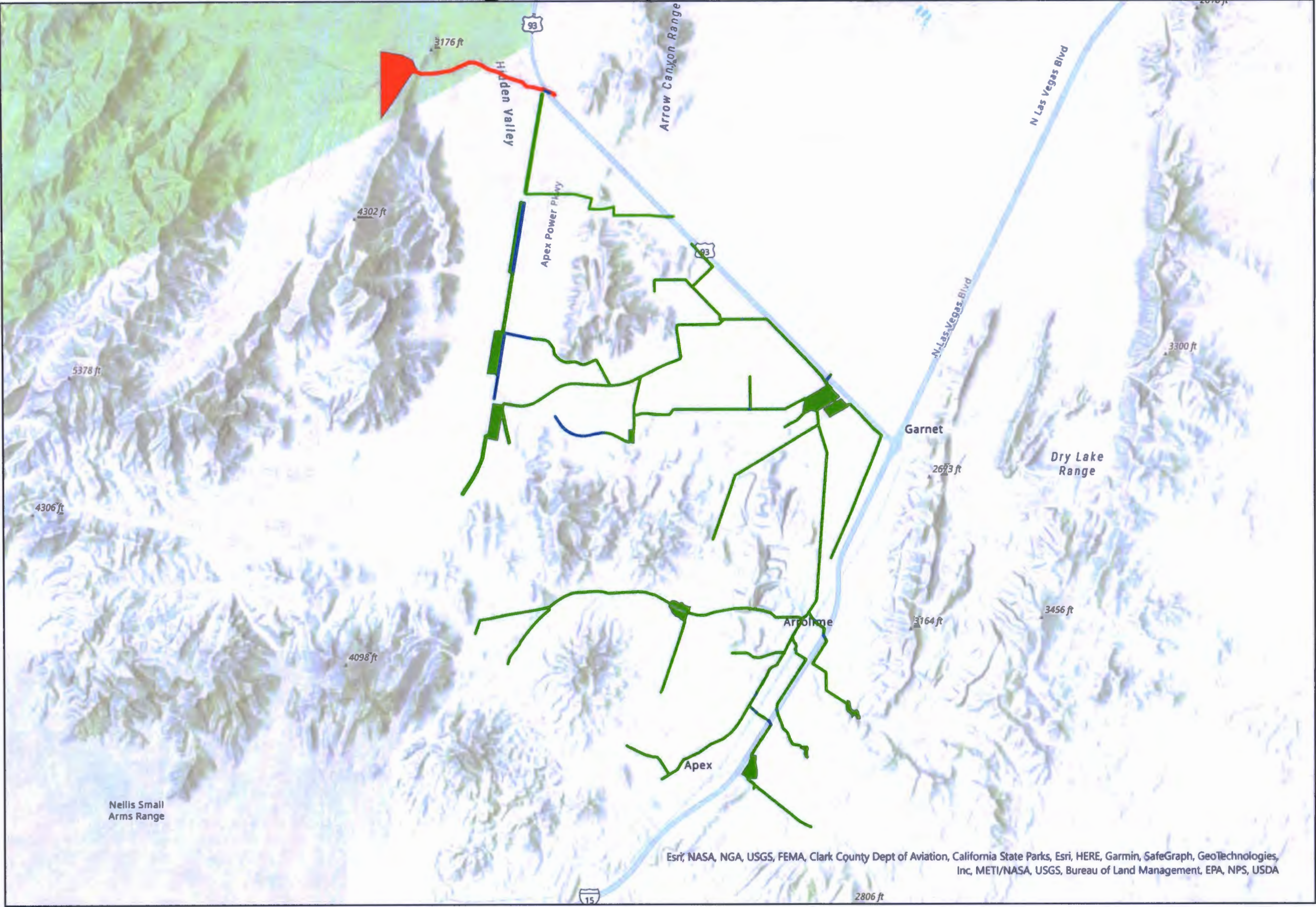
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May 2022

REGIONAL FLOOD CONTROL DISTRICT

Esri, NASA, NGA, USGS, Clark County Dept of Aviation, California State Parks, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc., METI/NASA, USGS, Bureau of Land Management, EPA, NPS, USDA

Ten Year Construction Program - Apex Planning Area



Legend

Conveyances

- Completed
- Proposed
- Ten Year

Basins

- Proposed
- Ten Year

1 inch equals 1 miles

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DATA SOURCES:
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT
CLARK COUNTY GISMO
FEMA

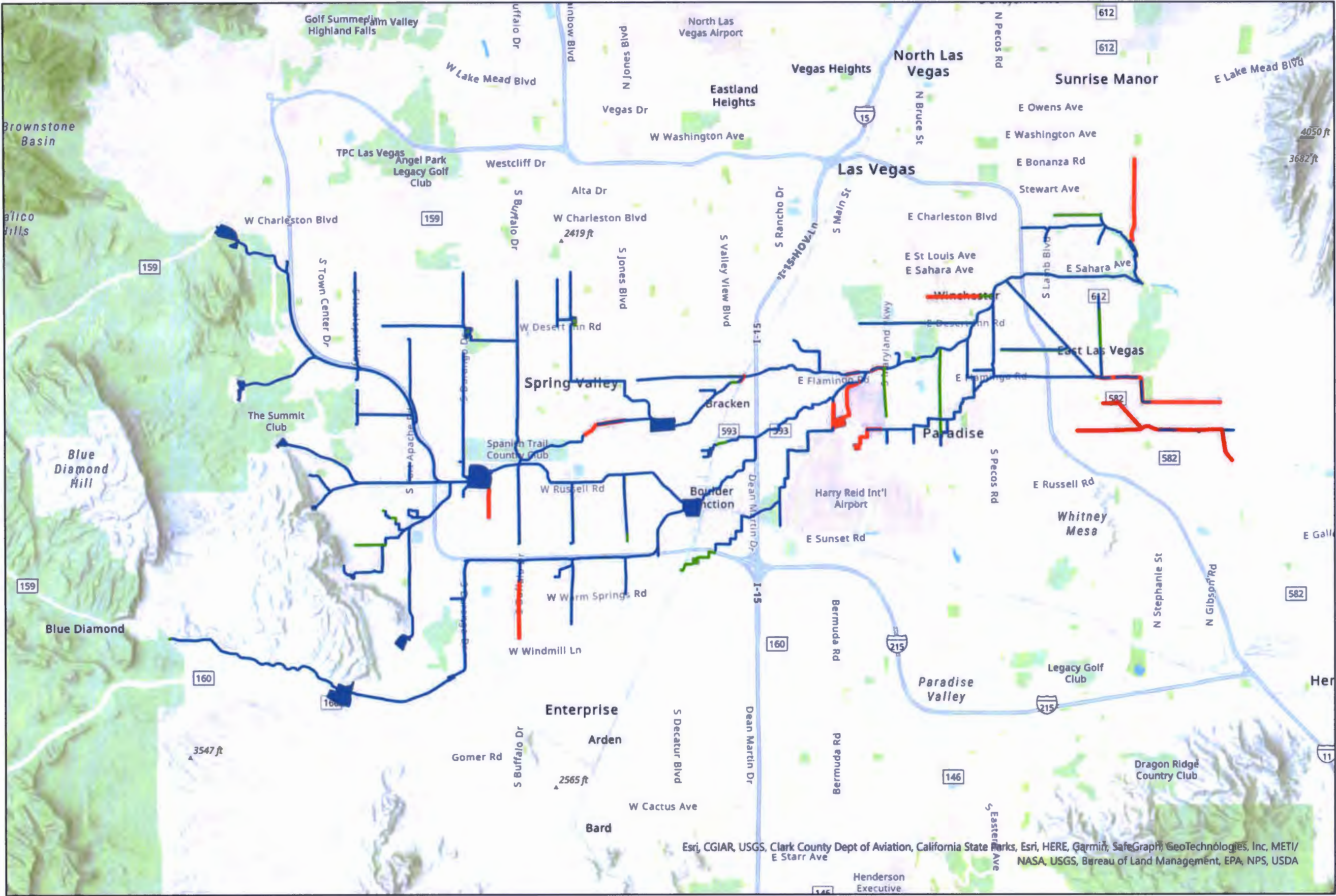
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May 2022

REGIONAL FLOOD CONTROL DISTRICT

Esri, NASA, NGA, USGS, FEMA, Clark County Dept of Aviation, California State Parks, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, USDA

Ten Year Construction Program - Tropicana/Flamingo Planning Area



Legend

Conveyances

- Completed
- Proposed
- Ten Year

Basins

- Completed
- Proposed
- Ten Year

1 inch equals 1.82 miles

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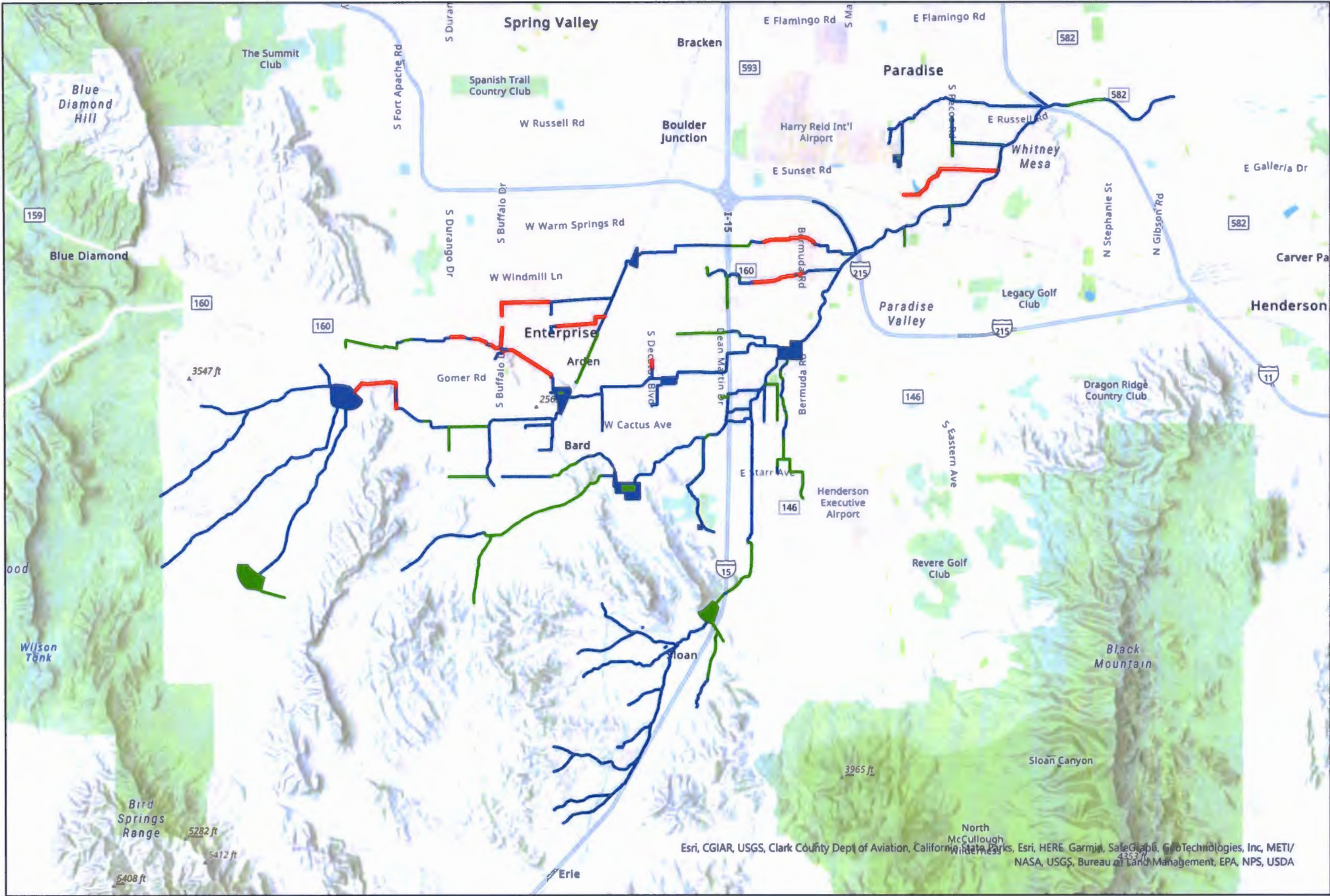
DATA SOURCES:
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT
CLARK COUNTY GISMO
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:
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May 2022

REGIONAL FLOOD CONTROL DISTRICT

Ten Year Construction Program - Duck Creek/Blue Diamond Planning Area



Legend

Conveyances

- Completed
- Proposed
- Ten Year

Basins

- Completed
- Proposed



1 inch equals 1.9 miles

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CONTROL DISTRICT
CLARK COUNTY GISMO
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:
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OFFICE AT 600 S. GRAND CENTRAL PKWY,
SUITE 300, LAS VEGAS, NEVADA 89106-4511.

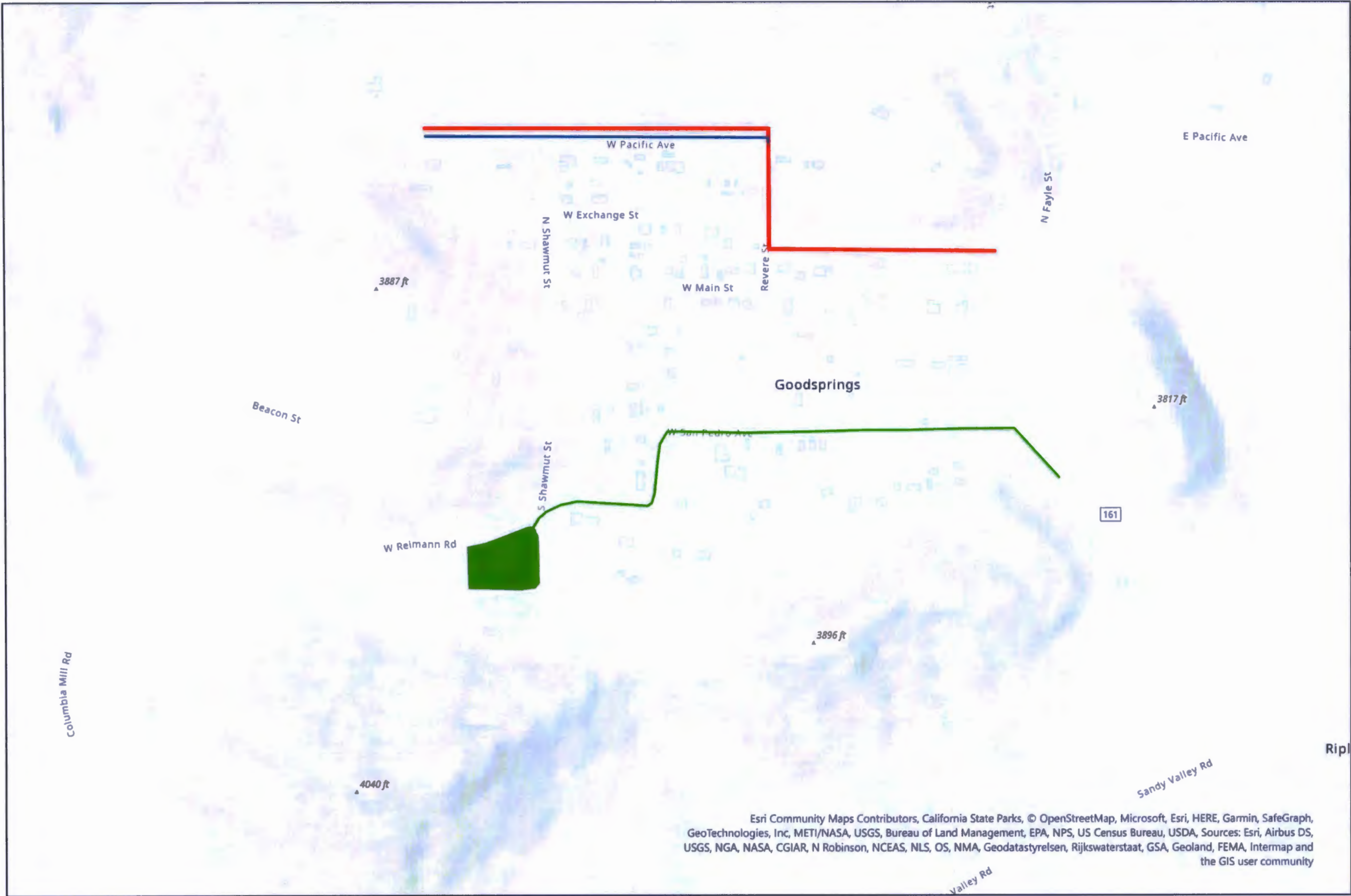
May 2022

REGIONAL FLOOD
CONTROL DISTRICT



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NASA, USGS, Bureau of Land Management, EPA, NPS, USDA

Ten Year Construction Program - Goodsprings Planning Area



Legend

Conveyances

- Completed
- Proposed
- Ten Year

Basins

- Completed
- Proposed



1 inch equals 0.08 miles

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DATA SOURCES:
CLARK COUNTY REGIONAL FLOOD
CONTROL DISTRICT
CLARK COUNTY GISMO
FEMA

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SUITE 300, LAS VEGAS, NEVADA 89106-4511.

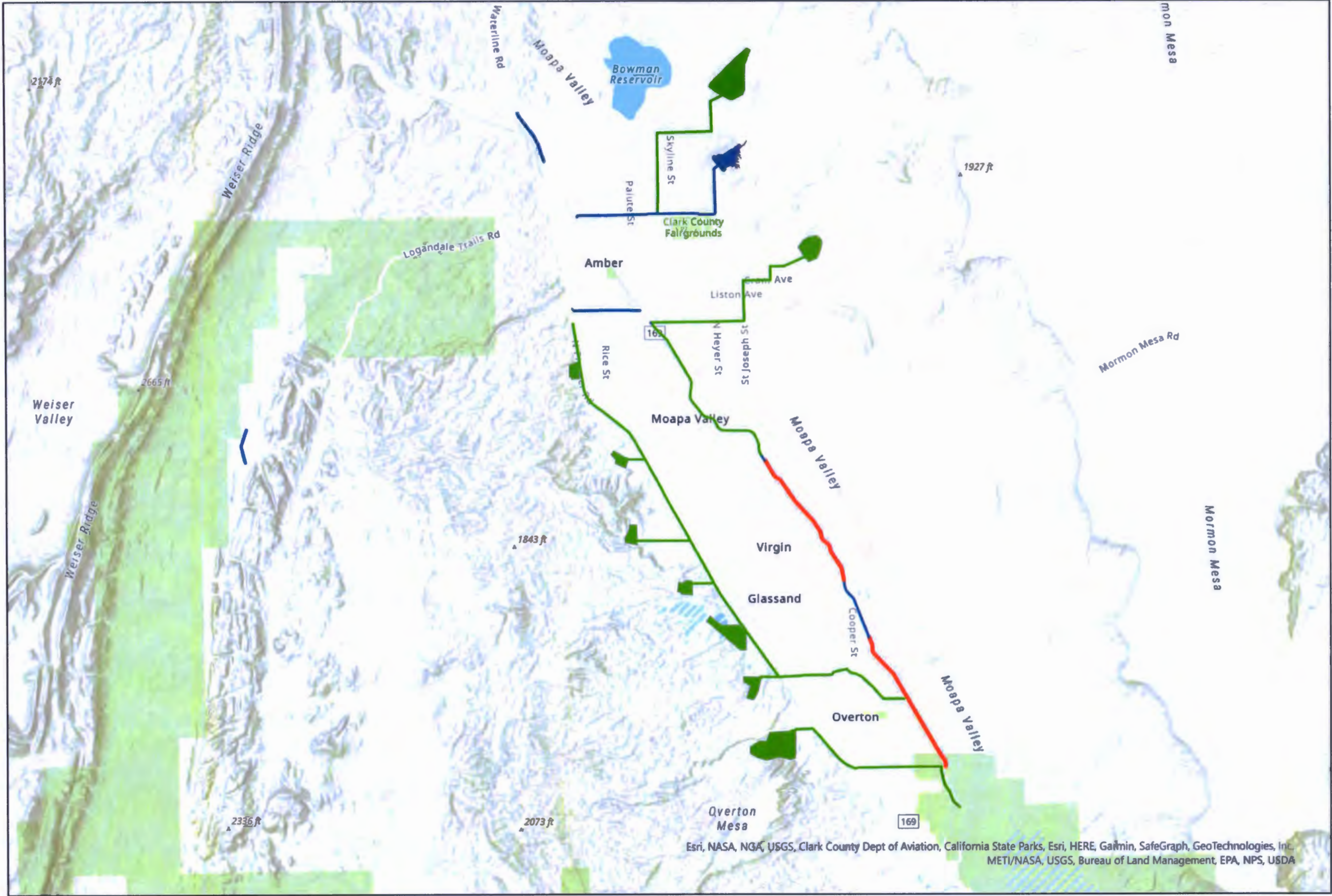
May 2022

REGIONAL FLOOD
CONTROL DISTRICT



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Ten Year Construction Program - Muddy River Planning Area



Legend

Conveyances

- Completed
- Proposed
- Ten Year

Basins

- Completed
- Proposed

1 inch equals 0.89 miles

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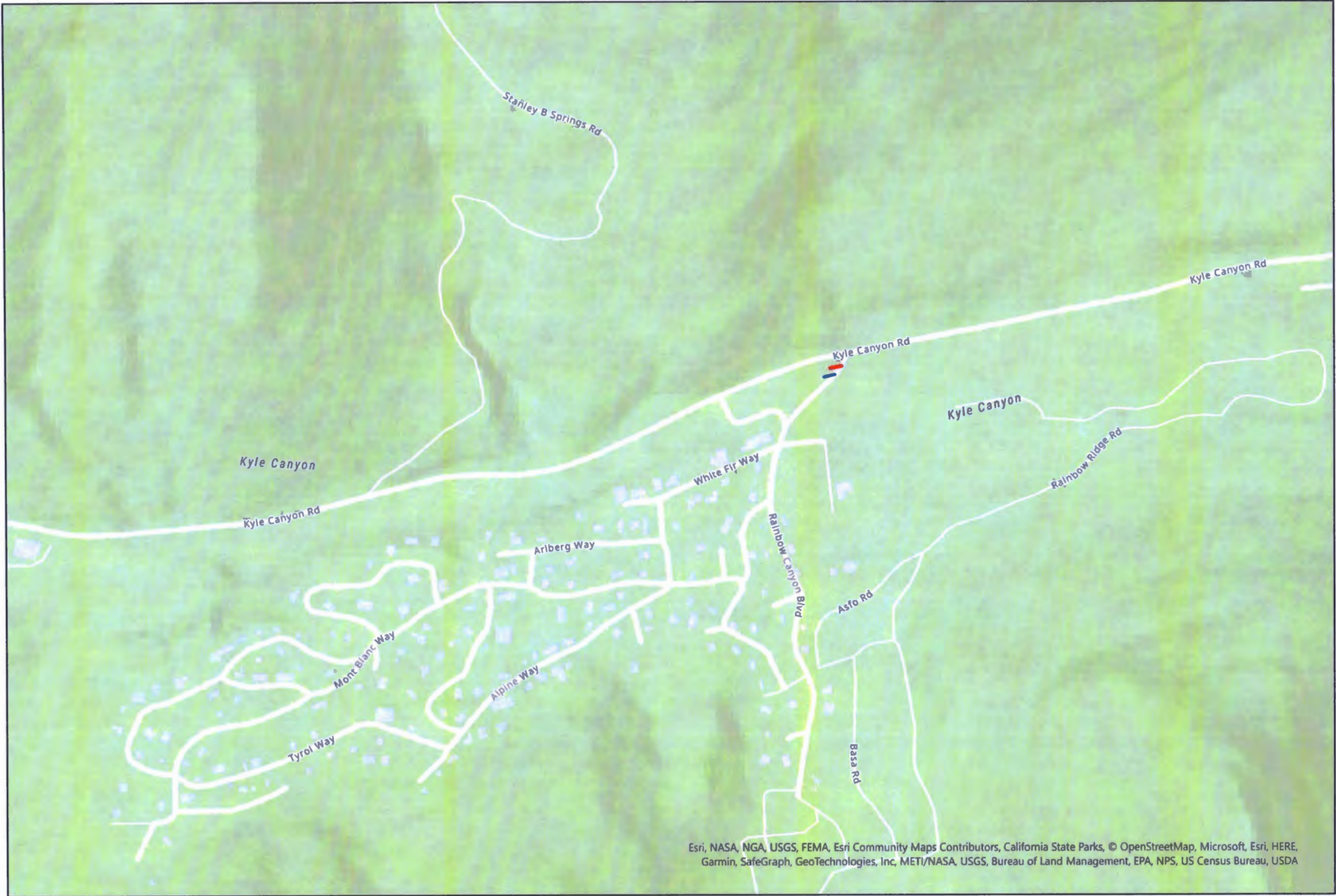
DATA SOURCES:
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT
CLARK COUNTY GISMO
FEMA

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May 2022

REGIONAL FLOOD CONTROL DISTRICT

Ten Year Construction Program - Mt. Charleston Planning Area



Legend

Conveyances

- Completed
- Ten Year

Basins

- Completed
- Proposed



1 inch equals 0.08 miles

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DATA SOURCES:
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CLARK COUNTY GISMO
FEMA

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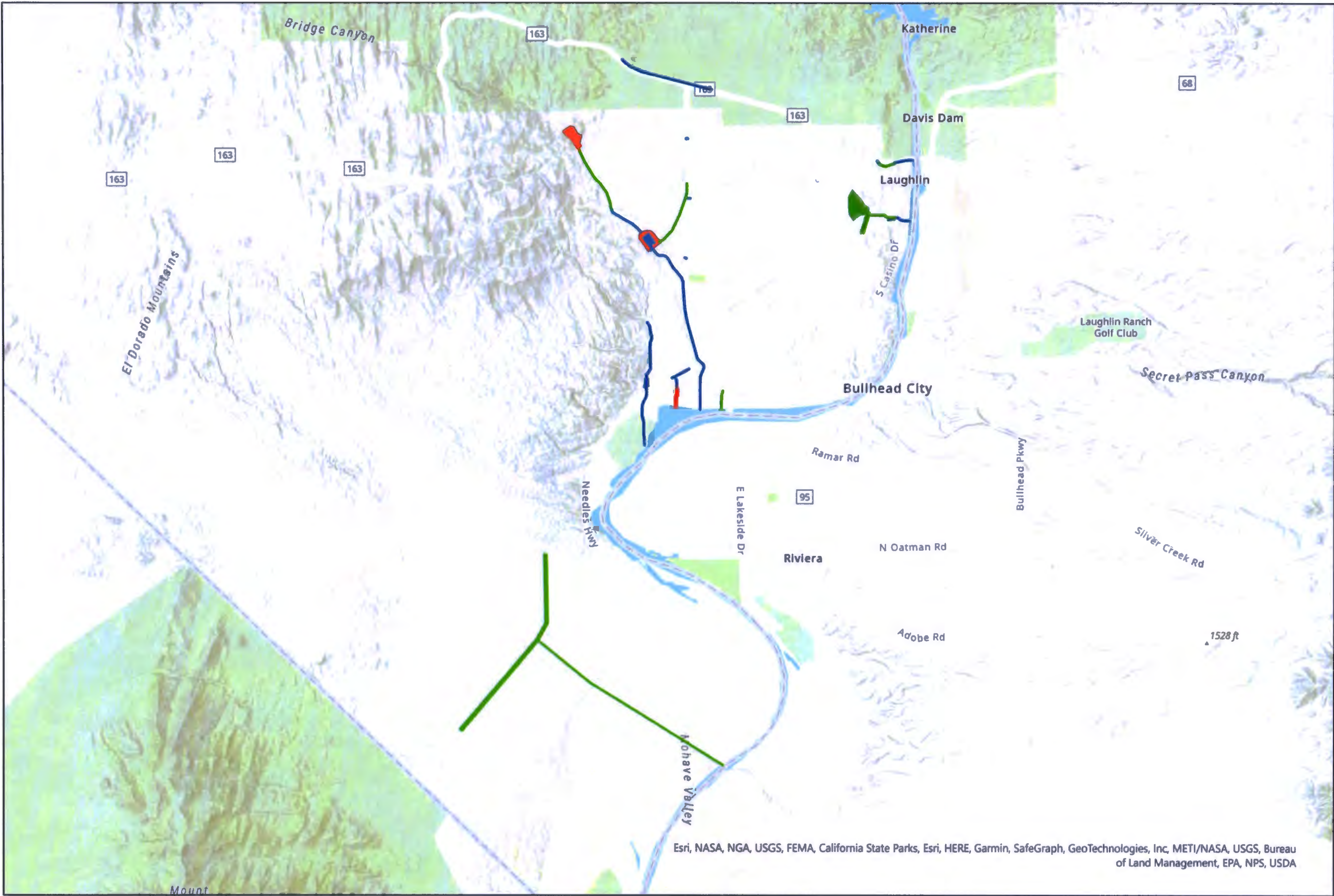
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REGIONAL FLOOD
CONTROL DISTRICT



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Ten Year Construction Program - Laughlin Planning Area



Legend

Conveyances

- Completed
- Proposed
- Ten Year

Basins

- Complete
- Proposed
- Ten Year

1 inch equals 1.32 miles

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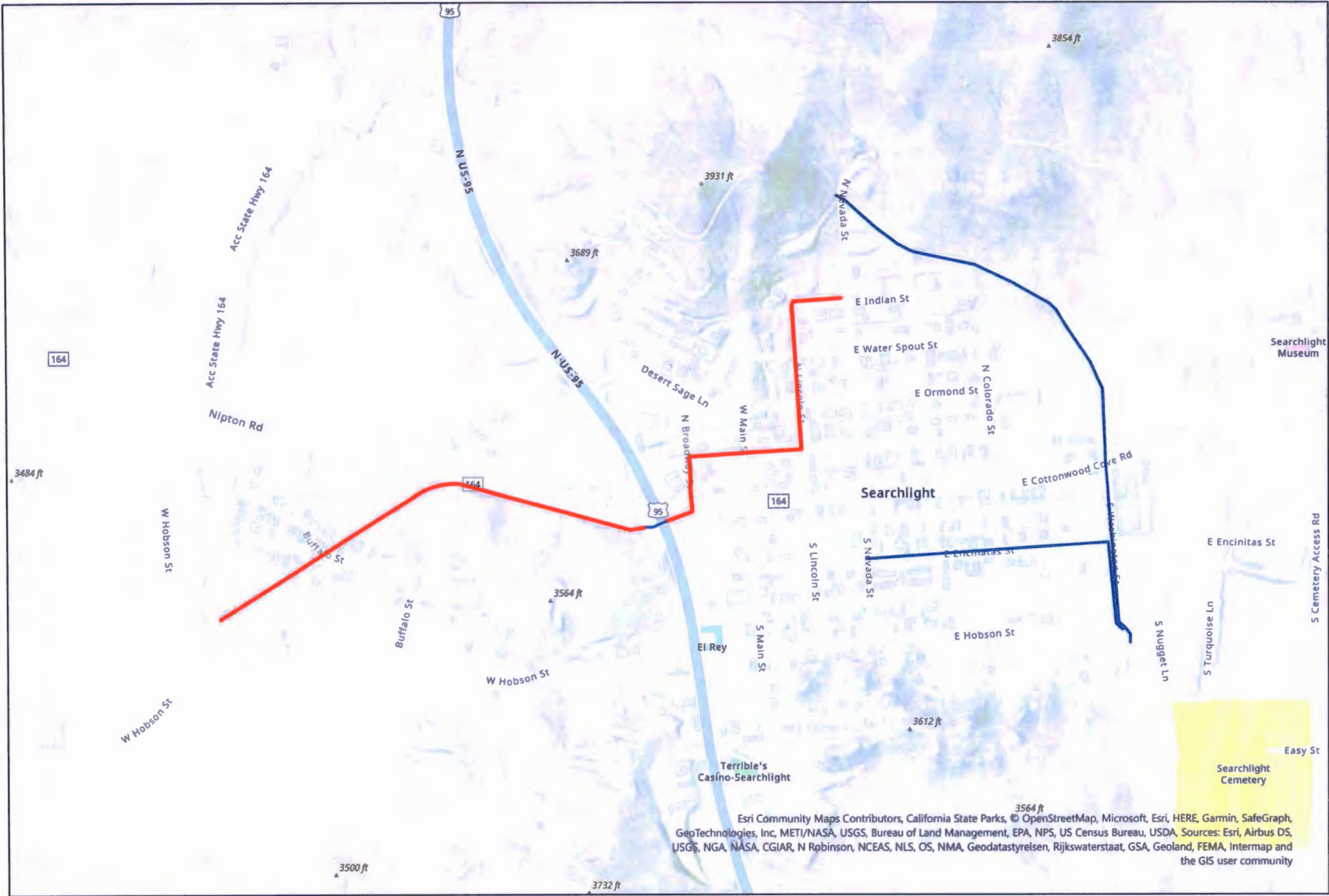
DATA SOURCES:
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT
CLARK COUNTY GISMO
FEMA

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May 2022

REGIONAL FLOOD CONTROL DISTRICT

Ten Year Construction Program - Searchlight Planning Area



Legend

Conveyances

- Completed
- Ten Year

Basins

- Completed
- Proposed

1 inch equals 0.11 miles

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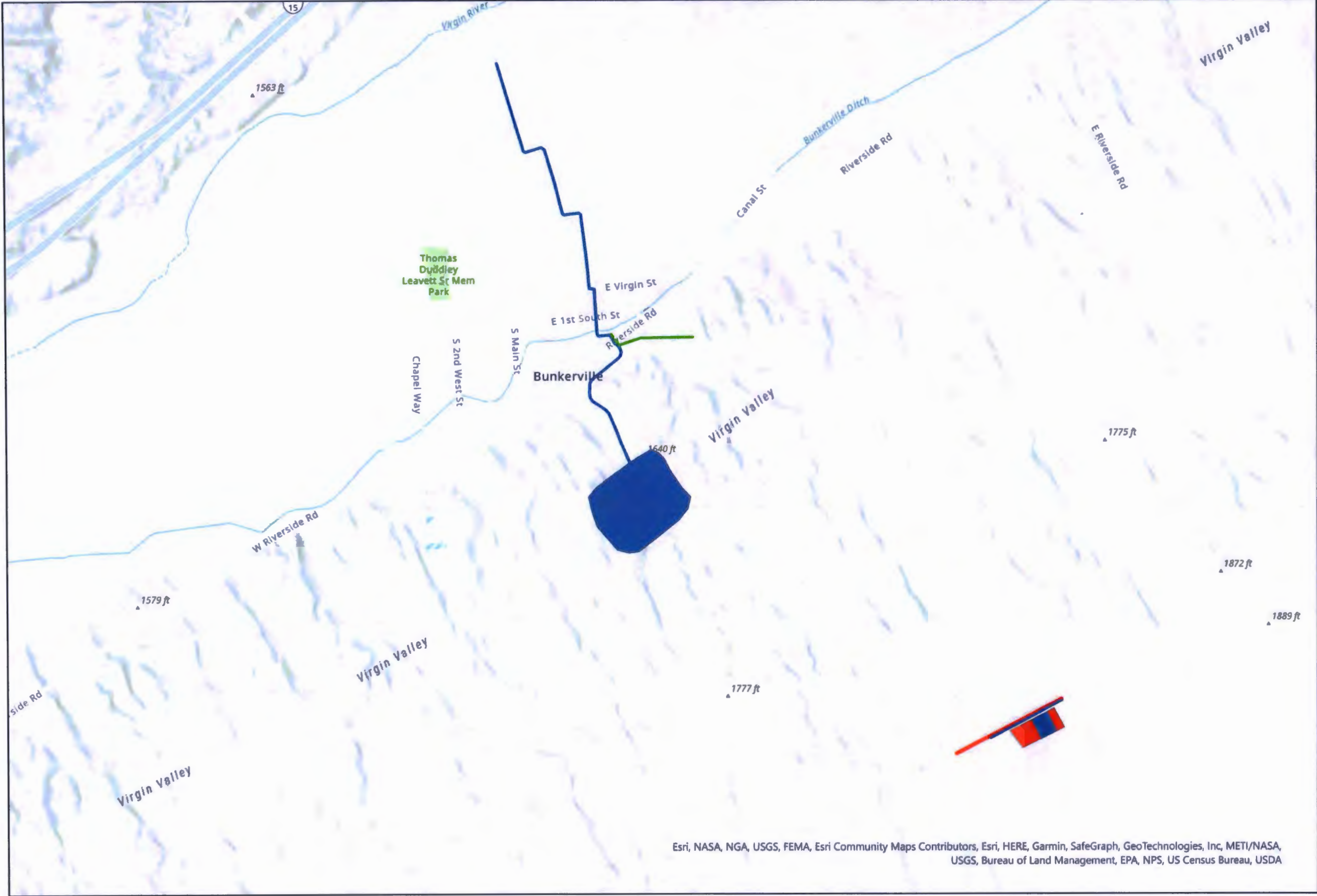
DATA SOURCES:
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May 2022

REGIONAL FLOOD CONTROL DISTRICT

Ten Year Construction Program - Bunkerville Planning Area



Legend

Conveyances

- Completed
- Proposed
- Ten Year

Basins

- Completed
- Ten Year

1 inch equals 0.24 miles

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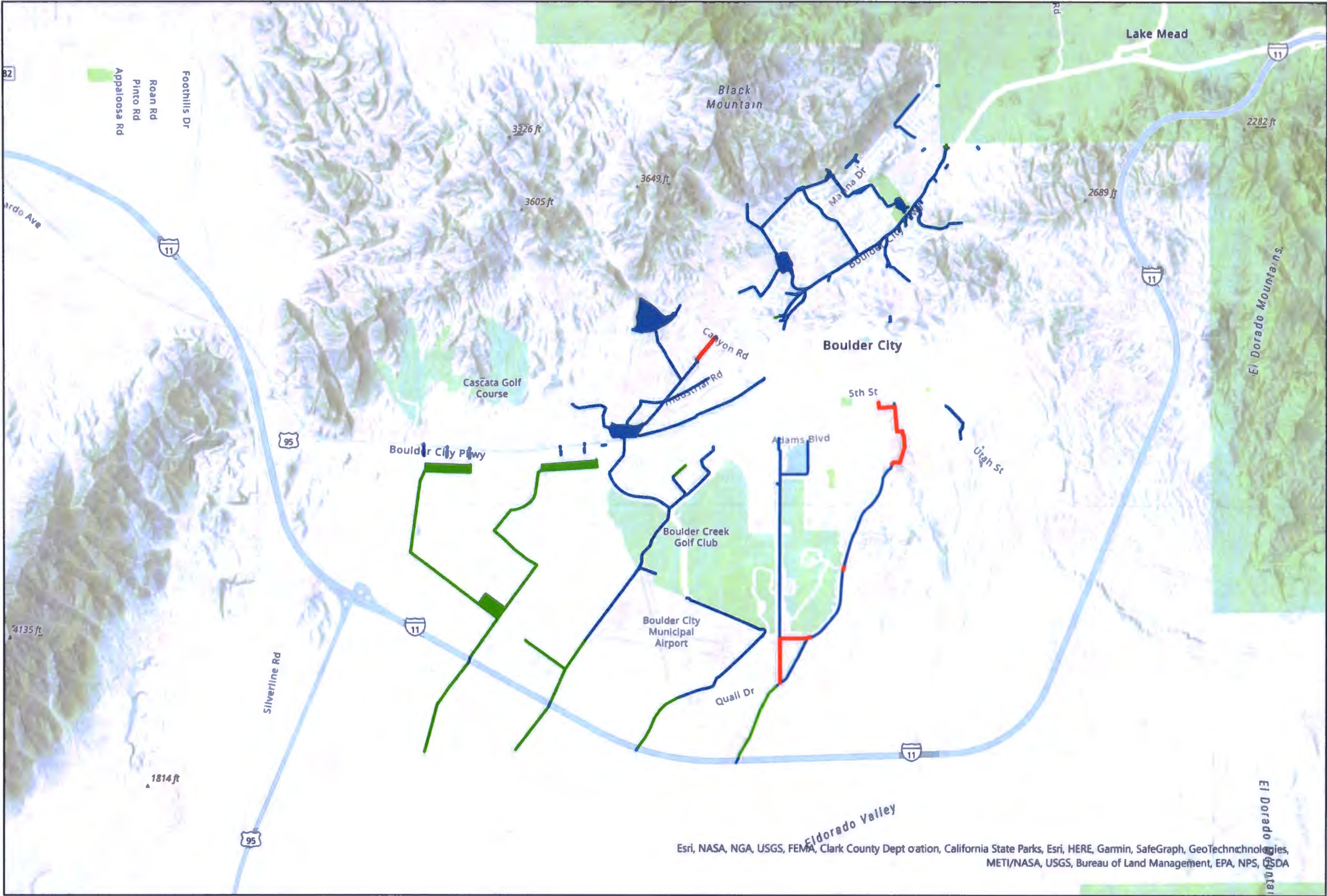
DATA SOURCES:
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT
CLARK COUNTY GISMO
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May 2022



Ten Year Construction Program - Boulder City Planning Area



Legend

Conveyances

- Completed
- Proposed
- Ten Year

Basins

- Completed
- Proposed

1 inch equals 1 miles

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DATA SOURCES:
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CONTROL DISTRICT
CLARK COUNTY GISMO
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May 2022

REGIONAL FLOOD
CONTROL DISTRICT



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Ten Year Construction Program - Mesquite Planning Area

