

TEN-YEAR CONSTRUCTION PROGRAM

REGIONAL FLOOD CONTROL DISTRICT



**FISCAL YEAR 2022
THROUGH
FISCAL YEAR 2031**

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

**ADOPTED
JUNE 10, 2021**

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

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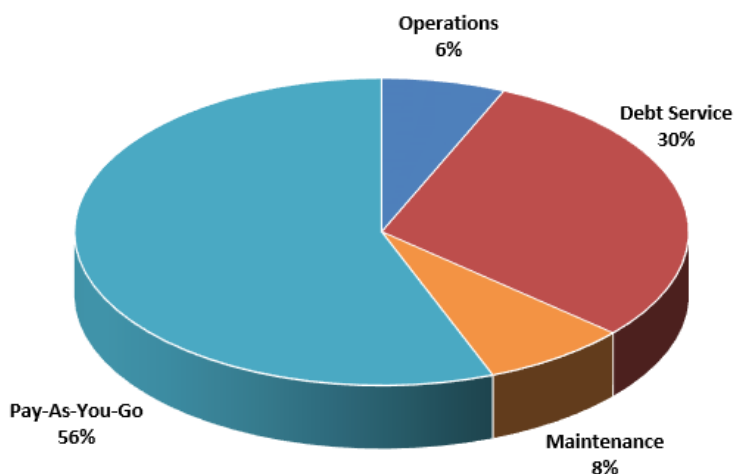
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Capital Improvement Program

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 10, 2021, for Fiscal Year 2021-22. 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.

Historical Annual Expenditure



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 \$2.1 billion in Sales Tax Revenues, through the end of April 2021. 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 2021, the District has funded \$2,123,446,854 in projects.

FISCAL YEAR 2022 THROUGH FISCAL YEAR 2031 TYCP

The TYCP is an estimate of when funding will be requested. Available revenues for the TYCP are estimated to be \$863,582,254. Additionally, \$100,000,000 in bonds are programmed in fiscal year 2023-24 and \$100,000,000 in bonds are programmed in fiscal years 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

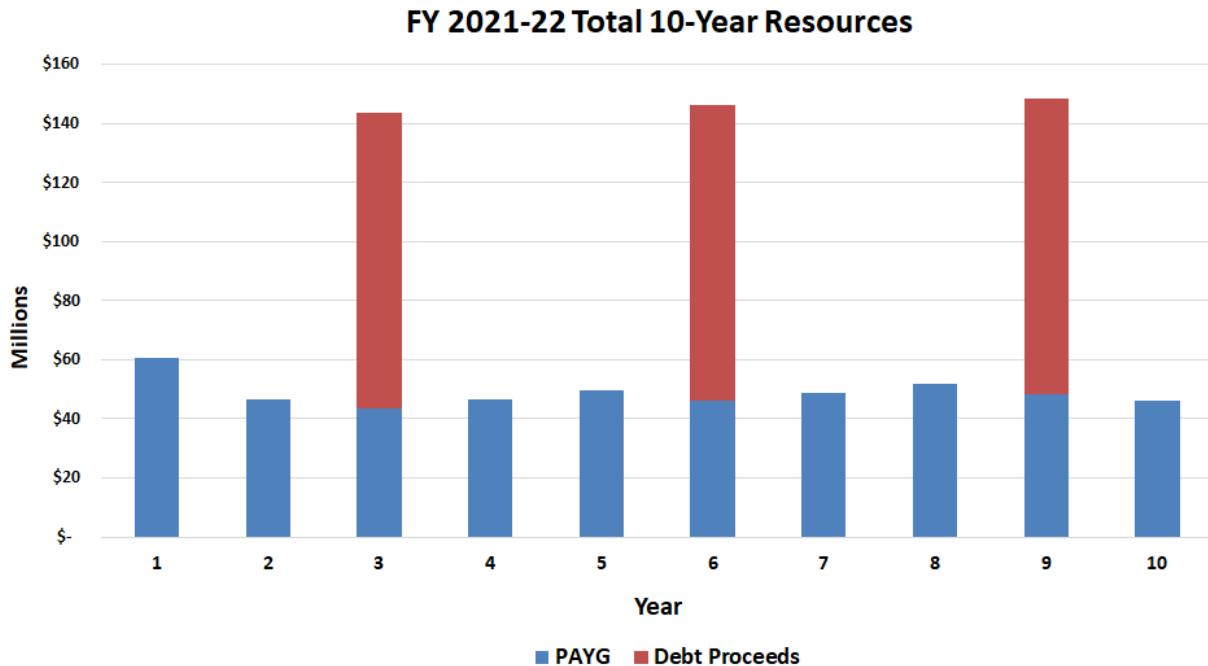
REGIONAL FLOOD CONTROL DISTRICT – FY 2022 THROUGH FY 2031

development. The District also continually evaluates whether to issue the debt based on economic conditions. Sales Tax growth for Year 1 is based on a 4.8% growth rate from prior years' revised estimate of \$108,650,000 and a 3.0% 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 21/22 through FY 25/26 to 2.0% and for FY 26/27 through FY 30/31 to 3.0%. 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 2022 THROUGH FY 2031

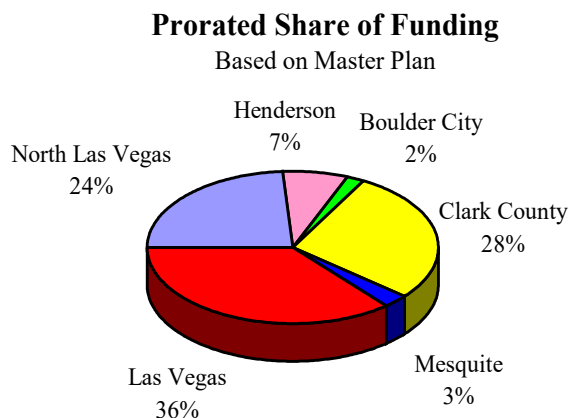
The chart below depicts the total resources projected over the next ten-year period from Sales Tax Revenue and future debt issuance that could be used to finance design and construction of flood control facilities.



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 2021-22 are \$376,136,975, which includes previously approved and new projects planned for FY 2021-22.

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 2022 THROUGH FY 2031

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 667 miles of channel and underground storm drains, of which 140 miles are natural washes, are inspected and/or maintained throughout Clark County, along with 102 detention basins.

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

Fiscal Year	Factor	TYCP MWP Funding Projection	
2022	Approved Budget	\$	11,000,000
2023	9.1%	\$	12,000,000
2024	0.0%	\$	12,000,000
2025	0.0%	\$	12,000,000
2026	0.0%	\$	12,000,000
2027	0.0%	\$	12,000,000
2028	0.0%	\$	12,000,000
2029	0.0%	\$	12,000,000
2030	0.0%	\$	12,000,000
2031	50.0%	\$	18,000,000
Total estimated maintenance over 10 years		\$	\$125,000,000

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 nineteenth year of this program, the District has budgeted \$1,139,000 for Local Drainage projects. Projected Local Drainage Program funding for the TYCP is depicted in the chart on the next page.

In FY 2019, the District funded in the City of Las Vegas, Luning Drive Storm Drain (estimated completion date of December 2021).

In FY 2020, the District funded in the City of Henderson, Chickasaw Storm Drain (estimated completion date of December 2021).

In FY 2021, the District funded in Clark County, Craig Road Storm Drain – El Capitan to Fort Apache (estimated completion date of June 2025).

REGIONAL FLOOD CONTROL DISTRICT – FY 2022 THROUGH FY 2031

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

Fiscal year	Factor	TYCP Local Drainage Budget Projection	
2022	Approved Budget	\$	1,139,000
2023	3.0%	\$	1,173,170
2024	3.0%	\$	1,208,365
2025	3.0%	\$	1,244,616
2026	3.0%	\$	1,281,955
2027	3.0%	\$	1,320,413
2028	3.0%	\$	1,360,026
2029	3.0%	\$	1,400,826
2030	3.0%	\$	1,442,851
2031	3.0%	\$	1,486,137
Total estimated local drainage over 10 years		\$	\$13,057,359

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 \$798,310,606 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 34% 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:

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

Duck Creek, Sunset to Sandhill

Henderson (continued)

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

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

McCullough Hills Detention Basin

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

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

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

Henderson (continued)

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 \$237,097,111.

Henderson (continued)

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

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 23/24. The TYCP includes approximately \$5.6 million for this project.

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 Beltway – Pittman Anthem Parkway Channel – Siena Heights Drive to Horizon Ridge Parkway (PV = 87.5)

PTAP 0018 – This project consists of 20' wide, 5.5' deep, trapezoidal concrete channel from Siena Heights Drive to Horizon Ridge Parkway. This channel connects to existing facilities upstream (PTAP 0045) and downstream (PTAP 0015). Design is underway. Construction funding is programmed in FY 23/24. The TYCP includes approximately \$1.2 million for this project.

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 23/24 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$9.1 million for this project.

Upper Pittman – Pittman Gilesie (PV = 78.5)

PTGL 0001, 0011 – This project consists of 7' x 6' reinforced concrete box inflow storm drain to the Pittman North Detention Basin. The storm drain extends south from the basin in Gilesie Street to Larson Lane, then west in Larson Lane to Rancho Destino Road. Design is programmed in FY 24/25 and construction funding is programmed in FY 27/28. The TYCP includes approximately \$6.9 million for this project.

Henderson (continued)

Upper Pittman – Pittman Wash South Phase 1 – Pittman North Detention Basin to Larson Lane (PV = 77.0)

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 26/27. Construction funding is programmed in FY 29/30. The TYCP includes approximately \$7.7 million for this project.

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 22/23. Construction is programmed in FY 25/26. The TYCP includes approximately \$6.1 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 25/26. Construction funding is programmed in FY 28/29. The TYCP includes approximately \$3.6 million for this project.

C-1 – C-1 Channel - SNWA Drop Structure to Lake Mead Parkway (PV = 64.5)

C1CH 0161, 0173, 0204 – This project consists of 50' wide, 7.5' deep, rectangular concrete channel extending south from the existing SNWA drop structure to Lake Mead Parkway. A confluence structure is proposed to connect the channel to existing facilities. Design is programmed in FY 30/31. The TYCP includes approximately \$0.7 million for this project.

C-1 – Lake Mead - Warm Springs Road to Burkholder Boulevard (PV = 83.5)

C1LM 0144, 0156, 0158, 0182, 0184 – This project consists of 10' to 11' wide, 3.5' to 4' deep rectangular concrete channel on the east side Lake Mead Parkway from Warm Springs Road to Burkholder Boulevard. 11' x 5' reinforced concrete box culverts are proposed at Ivy Street and Ash Street along the channel alignment. Design is programmed in FY 26/27. Construction funding is programmed in FY 29/30. The TYCP includes approximately \$2.1 million for this project.

The funding programmed for the C-1 Channel and Pittman Wash Planning Areas in Henderson totals approximately \$44.5 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 Channel, El Capitan Way to the Beltway

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

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, 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)

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

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 Creek Channel, Parallel System at Decatur Boulevard

Las Vegas (continued)

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 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 System – Beltway to Elkhorn

Rancho Road System – Elkhorn, Grand Canyon to Hualapai

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 \$799,716,421.

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 = 78.0)

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 26/27 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$10.3 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 28/29. The TYCP includes approximately \$8.9 million for this project.

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

LVLMD 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 21/22. 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 = 90.0)

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 \$3.3 million for this project.

LV Wash Central – Las Vegas Wash – Stewart Avenue to Bonanza Road (PV = 86.0)

LVMD 1121, 1149 – This project consists of 70’ to 90’ wide, 10’ to 11’ deep concrete channel improvements within the Las Vegas Wash, from Stewart Avenue to Bonanza Road. Design is underway. Additional design funding is programmed in FY 26/27 and construction funding is programmed in FY 28/29. The TYCP includes approximately \$8.7 million for this project.

Las Vegas (continued)

LV Wash Central – Meadows – Charleston Storm Drain, Essex Drive to Lindell Road (PV = 90.5)

MECN 0000, 0061 – This project consists of 9' x 8' and 8' x 7' reinforced concrete box storm drain in Charleston Boulevard from Essex Drive to Lindell Road. Design is underway. Construction funding is programmed in FY23/24. The TYCP includes approximately \$16.0 million for this project.

LV Wash Central – Las Vegas Wash – Stewart Avenue, Las Vegas Wash to Lamb Boulevard (PV = 90.5)

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 \$9.7 million for this project.

LV Wash Central – Meadows Detention Basin Upgrade (PV = 90.5)

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 23/24. The TYCP includes approximately \$2.3 million for this project.

LV Wash Central – Owens Avenue East – Las Vegas Wash to Eastern Avenue (PV = 86.0)

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 programmed in FY 21/22 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$24.6 million for this project.

LV Wash Central – Meadows/Charleston – Via Olivero Avenue, Montessouri Street to Buffalo Drive (PV = 85.5)

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 programmed in FY 21/22 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$5.8 million for this project.

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 23/24 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$15.9 million for this project.

Las Vegas (continued)

LV Wash Central – Las Vegas Wash – Stewart Avenue, Lamb Boulevard to Mojave Road (PV = 84.0)

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 \$15.2 million for this project.

Sahara Boulder Highway – Boulder Highway Sahara Avenue – Eastern Avenue to Boulder Highway (PV = 82.0)

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 \$20.1 million for this project.

Sahara Boulder Highway – Sahara Avenue – Eastern Lateral (PV = 81.5)

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 \$3.1 million for this project.

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 \$17.0 million for this project.

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. The TYCP includes approximately \$7.4 million for this project.

Sahara Boulder Highway – 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 \$10.8 million for this project.

Las Vegas (continued)

Gowan North – Gowan Outfall – Clayton Branch (PV = 76.5)

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 \$15.3 million for this project.

Gowan North – Gowan Outfall – El Capitan Branch, Ann Road to Centennial Parkway (PV = 87.5)

GOEC 0100, 0126, 0152, 0176 – This project consists of 7' x 6' to 10' x 7' reinforced concrete box storm drain and 78" diameter reinforced concrete pipe in El Capitan Way from Ann Road to Centennial Parkway. Design is underway. Construction funding is programmed in FY 21/22. The TYCP includes approximately \$9.8 million for this project.

Gowan North – Gowan – Alexander Road, Rancho Drive to Decatur Boulevard (PV = 87.5)

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 22/23. The TYCP includes approximately \$10.3 million for this project.

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 26/27 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$11.7 million for this project.

Gowan North – Gowan – Rancho Drive, Alexander Road to Jones Boulevard and Alexander Branch (PV = 86.5)

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 22/23 and construction funding is programmed in FY 25/26. The TYCP includes approximately \$5.8 million for this project.

Ann Road Channel West – Jones Boulevard, Ann Road to Tropical Parkway (PV = 80.5)

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 26/27 and construction funding is programmed in FY 28/29. The TYCP includes approximately \$4.5 million for this project.

Las Vegas (continued)

**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 FY 26/27 and construction funding is programmed in FY 28/29. The TYCP includes approximately \$5.0 million for this project.

Upper Northern LV Wash – Brent Drainage System – Durango Drive to OHare Road (PV = 89.5)

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 and construction funding is programmed in FY 22/23. The TYCP includes approximately \$8.4 million for this project.

Upper Northern LV Wash – Centennial Parkway Channel West – Farm Road, Oso Blanca Road to Tee Pee Lane (PV = 89.0)

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 23/24. The TYCP includes approximately \$6.1 million for this project.

**Centennial Parkway Channel West - Farm Road - Tee Pee Lane to Hualapai Way
(PV = 85.0)**

CNFR 0040 – 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 22/23 and construction funding is programmed in FY 25/26. The TYCP includes approximately \$6.9 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 \$263.4 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, Phase II, Nellis Air Force Base Reach

Hollywood System, Centennial Parkway to Speedway #2 Detention Basin

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 Detention Basin and Diversion Dike

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

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

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 \$388,560,885.

North Las Vegas (continued)

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

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

LVUP 0406 – This project will expand the existing North Las Vegas Detention Basin by approximately 960 acre-feet. Design is programmed in FY 21/22 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$6.9 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 – 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 22/23. The TYCP includes approximately \$7.9 million for this project.

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 23/24 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$8.9 million for this project.

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

LVCC 0000, 0030, 0035 – This 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 Lake Mead Boulevard. Design is underway and construction funding is programmed in FY 21/22. The TYCP includes approximately \$6.4 million for this project.

North Las Vegas (continued)

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 is programmed in FY 21/22 and construction funding is programmed in FY 23/24. The TYCP includes approximately \$19.3 million for this project.

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 \$2.4 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 \$24.3 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 \$19.3 million for this project.

North Las Vegas (continued)

Range – West Range – Range Wash – Beltway Conveyance (PV = 77.5)

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 \$13.7 million for this project.

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 \$3.9 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.

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 at the northern end of the Apex Watershed. The outlet facilities consist of a 4' x 4' reinforced concrete box storm drain, a riprap channel with concrete bottom, and energy dissipater on the east side of US-93. A 6' x 5' reinforced concrete box culvert will replace 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 25/26. The TYCP includes approximately \$29.7 million for this project.

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 \$170.9 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 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

Duck Creek, Eldorado Lane to Spencer Street

Clark County (continued)

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)

Flamingo Wash Bridges

At Arville, Eastern, Paradise, and Palo Verde

Clark County (continued)

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

Tunis Avenue and Karvel Street Storm Drain, Local Drainage Project

Twain at Pecos-McLeod Storm Drain, Local Drainage Project

Upper Duck Creek Detention Basin

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**

Clark County (continued)

- **Flamingo Detention Basin Expansion**
- **Lower Blue Diamond Channel**
- **Lower Flamingo Diversion Channel, Phase I (Tropicana Detention Basin to Jones Boulevard)**
- **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

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 \$615,974,386.

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 Project – Blue Diamond – Buffalo Branch (PV = 77.0)

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 24/25 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$11.1 million for this project.

Tropicana Flamingo Project – Flamingo – Cimarron Branch (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 programmed in FY 21/22 and construction funding is programmed in FY 23/24. The TYCP includes approximately \$3.4 million for this project.

Clark County (continued)

Tropicana Flamingo Project – Flamingo Wash – Jones Boulevard to Tropicana Avenue (PV = 64.5)

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 28/29. The TYCP includes approximately \$0.5 million for this project.

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 21/22. The TYCP includes approximately \$5.4 million for this project.

Lower Flamingo – Flamingo Wash Maryland – UNLV (PV = 77.0)

FLMR 0000 – This project consists of 84" diameter reinforced concrete pipe in Maryland Parkway from the Flamingo Wash to University Road. Design is programmed in FY 23/24 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$6.6 million for this project.

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

TRMC 0013, 0014, 0031, 0033 – This project replaces the existing un-lined Airport/Naples channel between Harmon Avenue and Tropicana Avenue with a proposed concrete channel and transitional channel connecting to existing upstream facilities. A 170 acre-foot peaking basin and 36" diameter reinforced concrete outlet pipe is proposed, connecting to existing downstream facilities. Design is underway. Construction funding is programmed in FY 21/22. The TYCP includes approximately \$30.0 million for this project.

Tropicana/Flamingo – Vegas Valley Drive – Flamingo Wash to Burnham Avenue (PV = 76.5)

VAVD 0000, 0025 – This project includes 84" diameter reinforced concrete pipe and 7' x 5' reinforced concrete box storm drain in Vegas Valley Drive from the Flamingo Wash to Burnham Avenue. Design is programmed in FY 23/24 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$9.2 million for this project.

Clark County (continued)

Lower Flamingo – Flamingo Wash, Industrial Road 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 21/22. The TYCP includes approximately \$1.4 million for this project.

Lower Flamingo – Vanbuskirk – Tropicana Avenue, Maryland Parkway to University Center Drive (PV = 89.0)

VBTM 0175 – This project consists of replacing existing, undersized, reinforced concrete box and pipe storm drain with proposed 10' x 5' reinforced concrete box storm drain in Tropicana Avenue between Maryland Parkway and University Center Drive. Design is programmed in FY 21/22. Construction funding is programmed in FY 22/23. The TYCP includes approximately \$4.2 million for this project.

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 \$6.5 million for this project.

Lower LV Wash Tributaries – Tropicana Avenue Conveyance – Las Vegas Wash to Boulder Highway (PV = 74.5)

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 25/26 and construction funding is programmed in FY 28/29. The TYCP includes approximately \$19.6 million for this project.

Lower LV Wash Tributaries – Tropicana Avenue Conveyance – Boulder Highway to Morris Street (PV = 73.5)

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 25/26 and construction funding is programmed in FY 28/29. The TYCP includes approximately \$4.2 million for this project.

Clark County (continued)

Lower LV Wash Tributaries – Las Vegas Wash – Branch 02, Jimmy Durante to Boulder Highway (PV = 89.0)

LV02 0209, 0273, 0282, 0294 – This project replaces existing bridge structures along Flamingo Road at Jimmy Durante Boulevard, Canal Street, and an existing driveway west of Canal Street. 6' x 4' reinforced concrete box storm drain is proposed in Flamingo Road from Nellis Boulevard to Boulder Highway, adjacent the existing triple 6' x 3' reinforced concrete box storm drain. Design is underway. Construction funding is programmed in FY 22/23. The TYCP includes approximately \$6.8 million for this project.

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 \$14.4 million for this project.

Lower LV Wash Tributaries – Las Vegas Wash – Boulder Highway, Tropicana Avenue to Harmon Avenue (PV = 69.5)

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 28/29. Construction funding is programmed in FY 30/31. The TYCP includes approximately \$10.9 million for this project.

Blue Diamond Tributaries – Blue Diamond Wash – Arville Street to I-15 (PV = 91.0)

BDWA 0276 – This project includes 72" diameter reinforced concrete pipe storm drain in Robindale Road from the I-15 to Arville Street, connecting to existing facilities upstream (BDWA 0394) and downstream (BDWA 0261). Design is underway. Construction funding is programmed in FY 21/22. The TYCP includes approximately \$7.8 million for this project.

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 21/22. The TYCP includes approximately \$10.5 million for this project.

Clark County (continued)

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 \$7.7 million for this project.

Blue Diamond Tributaries – Blue Diamond Wash - Wigwam Avenue - Rainbow Boulevard to Buffalo Drive, and Buffalo Drive – Wigwam Avenue to Ford Avenue (PV = 70.0)

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 concrete box storm drain in Buffalo Drive between Wigwam Avenue and Ford Avenue. Design is programmed in FY 27/28. Construction funding is programmed in FY 30/31. The TYCP includes approximately \$12.7 million for this project.

Blue Diamond Tributaries – Blue Diamond Wash - 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 22/23. Construction funding is programmed in FY 25/26. The TYCP includes approximately \$9.6 million for this project.

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 21/22. The TYCP includes approximately \$3.5 million for this project.

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 \$6.4 million for this project.

Clark County (continued)

Lower Duck Creek – Duck Creek, Sunset Park (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 programmed in FY 21/22 and construction funding is programmed in FY 23/24. The TYCP includes approximately \$23.2 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 \$215.6 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 21/22. The TYCP includes approximately \$2.9 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 21/22 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$15.0 million for this project.

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 \$19.8 million for this project.

Clark County (continued)

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 \$13.2 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 programmed in FY 21/22 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$2.2 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 27/28. The TYCP includes approximately \$2.6 million for this project.

Searchlight – West – State Highway 164

SRWE 0001, 0002, 0003, 0005, 0023 – This project consists of 8’ x 5’ and 6’ x 5’ reinforced concrete box storm drain in State Highway 164 extending west from existing dual 48” reinforced concrete pipes (SRWE 0048) at US-95 and 8’ x 5’ and 16’ x 5’ reinforced concrete box storm drain extending southwest from State Highway 164 along an existing drainage path to a natural wash downstream, as reflected in the Amendment to the 2019 Outlying Areas Master Plan Update for the Searchlight West project. Design is underway. Construction funding is programmed in FY 21/22. The TYCP includes approximately \$5.9 million for this project.

Clark County (continued)

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 \$1.9 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 22/23. The TYCP includes approximately \$2.3 million for this project.

The TYCP for the Outlying Areas of Clark County totals approximately \$67.5 million.

In all, among the Tropicana/Flamingo, Duck Creek, Blue Diamond, and Outlying Planning Areas, Clark County has programmed approximately \$283.1 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 \$5.1 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 \$2.7 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 \$0.33 million for this project.

The funding programmed for Boulder City totals approximately \$9.3 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 \$25,970,717.

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 21/22. The TYCP includes approximately \$8.2 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 24/25 and construction funding is programmed in FY 27/28. The TYCP includes approximately \$9.0 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 \$8.6 million for this project.

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 \$27.1 million on the TYCP.

Fiscal Year 2022 Project List

The first year of the TYCP comprises the recommended FY 2022 Project List. It should be noted that construction and right-of-way funds programmed in FY 2023 and FY 2024 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 \$102.6 million. Projects eligible for funding in FY 2021 total \$272.1 million. These projects will be primarily funded from the estimated quarter percent Sales Tax Revenues. Projected revenue for the first year is \$136.2 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 2022 are as follows:

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

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 23/24. FY 2022 eligible funding is approximately \$5.6 million for this project.

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 2022 eligible funding is approximately \$1.5 million for this project.

Pittman Beltway – Pittman Anthem Parkway Channel – Siena Heights Drive to Horizon Ridge Parkway (PV = 87.5)

PTAP 0018 – This project consists of 20' wide, 5.5' deep, trapezoidal concrete channel from Siena Heights Drive to Horizon Ridge Parkway. This channel connects to existing facilities upstream (PTAP 0045) and downstream (PTAP 0015). Design is underway.

REGIONAL FLOOD CONTROL DISTRICT – FY 2022 THROUGH FY 2031

FY 2022 Project List (continued)

Construction funding is programmed in FY 23/24. FY 2022 eligible funding is approximately \$1.2 million for this project.

Total Programmed First Year: \$ 0

Total Eligible First Year: \$8,245,085

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 21/22. FY 2022 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 = 90.0)

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 2022 eligible funding is approximately \$3.3 million for this project.

LV Wash Central – Meadows – Charleston Storm Drain, Essex Drive to Lindell Road (PV = 90.5)

MECN 0000, 0061 – This project consists of 9’ x 8’ and 8’ x 7’ reinforced concrete box storm drain in Charleston Boulevard from Essex Drive to Lindell Road. Design is underway. Construction funding is programmed in FY23/24. FY 2022 eligible funding is approximately \$16.0 million for this project.

LV Wash Central – Las Vegas Wash – Stewart Avenue, Las Vegas Wash to Lamb Boulevard (PV = 90.5)

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 2022 eligible funding is approximately \$9.7 million for this project.

LV Wash Central – Meadows Detention Basin Upgrade (PV = 90.5)

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 23/24. FY 2022 eligible funding is approximately \$2.3 million for this project.

FY 2022 Project List (continued)

LV Wash Central – Owens Avenue East – Las Vegas Wash to Eastern Avenue (PV = 86.0)
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 programmed in FY 21/22 and construction funding is programmed in FY 24/25. FY 2022 eligible funding is approximately \$2.3 million for this project.

LV Wash Central – Meadows/Charleston – Via Olivero Avenue, Montessouri Street to Buffalo Drive (PV = 85.5)

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 programmed in FY 21/22 and construction funding is programmed in FY 24/25. FY 2022 eligible funding is approximately \$0.55 million for this project.

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 2022 eligible funding is approximately \$7.4 million for this project.

Gowan North – Gowan Outfall – El Capitan Branch, Ann Road to Centennial Parkway (PV = 87.5)

GOEC 0100, 0126, 0152, 0176 – This project consists of 7' x 6' to 10' x 7' reinforced concrete box storm drain and 78" diameter reinforced concrete pipe in El Capitan Way from Ann Road to Centennial Parkway. Design is underway. Construction funding is programmed in FY 21/22. FY 2022 eligible funding is approximately \$9.8 million for this project.

Gowan North – Gowan – Alexander Road, Rancho Drive to Decatur Boulevard (PV = 87.5)

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 22/23. FY 2022 eligible funding is approximately \$10.3 million for this project.

Upper Northern LV Wash – Brent Drainage System – Durango Drive to OHare Road (PV = 89.5)

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 and construction funding is programmed in FY 22/23. FY 2022 eligible funding is approximately \$8.4 million for this project.

FY 2022 Project List (continued)

Upper Northern LV Wash – Centennial Parkway Channel West – Farm Road, Oso Blanca Road to Tee Pee Lane (PV = 89.0)

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 23/24. FY 2022 eligible funding is approximately \$6.1 million for this project.

Total Programmed First Year: \$13,237,809

Total Eligible First Year: \$76,697,693

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 0406 – This project will expand the existing North Las Vegas Detention Basin by approximately 960 acre-feet. Design is programmed in FY 21/22 and construction funding is programmed in FY 24/25. FY 2022 eligible funding is approximately \$0.65 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 2022 eligible funding is approximately \$5.0 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 22/23. FY 2022 eligible funding is approximately \$7.9 million for this project.

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

LVCC 0000, 0030, 0035 – This 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 Lake Mead Boulevard. Design is underway and construction funding is programmed in FY 21/22. FY 2022 eligible funding is approximately \$6.4 million for this project.

FY 2022 Project List (continued)

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 2022 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 Boulevard. Design is underway. Right-of-Way Acquisition is programmed in FY 21/22 and construction funding is programmed in FY 23/24. FY 2022 eligible funding is approximately \$19.3 million for this project.

Total Programmed First Year: \$ 7,869,196

Total Eligible First Year: \$46,169,181

Clark County (Las Vegas Valley)

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

Tropicana Flamingo Project – Flamingo – Cimarron Branch (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 programmed in FY 21/22 and construction funding is programmed in FY 23/24. FY 2022 eligible funding is approximately \$3.4 million for this project.

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 21/22. FY 2022 eligible funding is approximately \$5.4 million for this project.

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

TRMC 0013, 0014, 0031, 0033 – This project replaces the existing un-lined Airport/Naples channel between Harmon Avenue and Tropicana Avenue with a proposed concrete channel and transitional channel connecting to existing upstream facilities. A 170 acre-foot peaking basin and 36" diameter reinforced concrete outlet pipe is proposed,

FY 2022 Project List (continued)

connecting to existing downstream facilities. Design is underway. Construction funding is programmed in FY 21/22. FY 2022 eligible funding is approximately \$30.0 million for this project.

Lower Flamingo – Flamingo Wash, Industrial Road 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 21/22. FY 2022 eligible funding is approximately \$1.4 million for this project.

Lower Flamingo – Vanbuskirk – Tropicana Avenue, Maryland Parkway to University Center Drive (PV = 89.0)

VBTM 0175 – This project consists of replacing existing, undersized, reinforced concrete box and pipe storm drain with proposed 10' x 5' reinforced concrete box storm drain in Tropicana Avenue between Maryland Parkway and University Center Drive. Design is programmed in FY 21/22. Construction funding is programmed in FY 22/23. FY 2022 eligible funding is approximately \$4.2 million for this project.

Lower LV Wash Tributaries – Las Vegas Wash – Branch 02, Jimmy Durante to Boulder Highway (PV = 89.0)

LV02 0209, 0273, 0282, 0294 – This project replaces existing bridge structures along Flamingo Road at Jimmy Durante Boulevard, Canal Street, and an existing driveway west of Canal Street. 6' x 4' reinforced concrete box storm drain is proposed in Flamingo Road from Nellis Boulevard to Boulder Highway, adjacent the existing triple 6' x 3' reinforced concrete box storm drain. Design is underway. Construction funding is programmed in FY 22/23. FY 2022 eligible funding is approximately \$6.8 million for this project.

Blue Diamond Tributaries – Blue Diamond Wash – Arville Street to I-15 (PV = 91.0)

BDWA 0276 – This project includes 72" diameter reinforced concrete pipe storm drain in Robindale Road from the I-15 to Arville Street, connecting to existing facilities upstream (BDWA 0394) and downstream (BDWA 0261). Design is underway. Construction funding is programmed in FY 21/22. FY 2022 eligible funding is approximately \$7.8 million for this project.

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 21/22. FY 2022 eligible funding is approximately \$10.5 million for this project.

FY 2022 Project List (continued)

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 2022 eligible funding is approximately \$7.7 million for this project.

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 21/22. FY 2022 eligible funding is approximately \$3.5 million for this project.

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 2022 eligible funding is approximately \$6.4 million for this project.

Lower Duck Creek – Duck Creek, Sunset Park (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 programmed in FY 21/22 and construction funding is programmed in FY 23/24. FY 2022 eligible funding is approximately \$23.2 million for this project.

FY 2022 Project List (continued)

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 21/22. FY 2022 eligible funding is approximately \$2.9 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 21/22 and construction funding is programmed in FY 24/25. FY 2022 eligible funding is approximately \$2.8 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 programmed in FY 21/22 and construction funding is programmed in FY 24/25. FY 2022 eligible funding is approximately \$0.20 million for this project.

Searchlight – West – State Highway 164

SRWE 0001, 0002, 0003, 0005, 0023 – This project consists of 8' x 5' and 6' x 5' reinforced concrete box storm drain in State Highway 164 extending west from existing dual 48" reinforced concrete pipes (SRWE 0048) at US-95 and 8' x 5' and 16' x 5' reinforced concrete box storm drain extending southwest from State Highway 164 along an existing drainage path to a natural wash downstream, as reflected in the Amendment to the 2019 Outlying Areas Master Plan Update for the Searchlight West project. Design is underway. Construction funding is programmed in FY 21/22. The TYCP includes approximately \$5.9 million for this project.

FY 2022 Project List (continued)

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 22/23. FY 2022 eligible funding is approximately \$2.3 million for this project.

Clark County (Las Vegas Valley) Programmed First Year: \$61,531,261

Clark County (Las Vegas Valley) Eligible First Year: \$48,640,011

Clark County (Outlying Areas) Programmed First Year: \$11,824,874

Clark County (Outlying Areas) Eligible First Year: \$ 2,278,462

Total Programmed First Year: \$ 73,356,135

Total Eligible First Year: \$124,274,609

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 21/22. FY 2022 eligible funding is approximately \$8.2 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 2022 eligible funding is approximately \$8.6 million for this project.

Total Programmed First Year: \$ 8,166,251

Total Eligible First Year: \$16,726,251

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 Value	
5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5		
CITY OF HENDERSON											
HYDROGRAPHIC BASIN: PITTMAN											
PROJECT: Galleria to Sunset											
PTSU 0000, 0008, 0023, 0028, 0032	4 20.0	4 18.0	3 12.0	4 14.0	3 9.0	3 7.5	3 6.0	3 4.5	3 3.0	2 1.0	95.0
PROJECT: Pittman Sunset, Burns to Foster											
PTBH 0000, 0014, 0015, PTSU 0034, 0037, 0067, 0069	4 20.0	3 13.5	4 16.0	2 7.0	3 9.0	4 10.0	3 6.0	3 4.5	3 3.0	3 1.5	90.5
PROJECT: Pittman Anthem Parkway Channel, Siena Heights to Horizon Ridge											
PTAP 0018	4 20.0	3 13.5	4 16.0	2 7.0	2 6.0	4 10.0	3 6.0	3 4.5	3 3.0	3 1.5	87.5
PROJECT: Southwest Pittman Detention Basin											
PTSD 0233, 0234 & PTN2 0167	3 15.0	4 18.0	3 12.0	3 10.5	3 9.0	2 5.0	4 8.0	3 4.5	2 2.0	2 1.0	85.0
PROJECT: Southeast Pittman Detention Basin											
PTBE 0062, 0063, 0064, & PTSQ 0000	3 15.0	4 18.0	3 12.0	3 10.5	3 9.0	2 5.0	4 8.0	2 3.0	3 3.0	2 1.0	84.5
PROJECT: Pittman Gilespie											
PTGL 0001, 0011	3 15.0	3 13.5	3 12.0	3 10.5	3 9.0	2 5.0	3 6.0	2 3.0	3 3.0	3 1.5	78.5
PROJECT: Pittman Wash South Phase 1 - Pittman North Detention Basin to Larson Lane											
PTSD 0016, 0017, 0043	3 15.0	3 13.5	3 12.0	3 10.5	2 6.0	3 7.5	3 6.0	2 3.0	2 2.0	3 1.5	77.0
HYDROGRAPHIC BASIN: C-1											
PROJECT: Cadiz Storm Drain - Racetrack to Pueblo											
C1CA 0000	3 15.0	3 13.5	3 12.0	3 10.5	4 12.0	3 7.5	3 6.0	3 4.5	3 3.0	2 1.0	85.0
PROJECT: Lake Mead - Warm Springs to Burkholder											
C1LM 0144, 0156, 0158, 0182, 0184	3 15.0	3 13.5	3 12.0	3 10.5	4 12.0	3 7.5	3 6.0	2 3.0	3 3.0	2 1.0	83.5
PROJECT: C-1 Channel, SNWA Drop Structure to Lake Mead											
C1CH 0161, 0173, 0204	2 10.0	3 13.5	3 12.0	3 10.5	2 6.0	1 2.5	2 4.0	2 3.0	2 2.0	2 1.0	64.5

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 0360	4	4	3	3	3	2	2	3	1	2	90.0
	20.0	18.0	13.0	10.5	9.0	5.0	5.0	4.5	3.0	2.0	
PROJECT: Meadows - Charleston Storm Drain, Essex to Lindell											
MECN 0000, 0061	4	3	3	3	3	2	2	3	2	2	90.5
	20.0	18.5	12.0	11.0	10.0	7.0	4.0	4.5	2.0	1.5	
PROJECT: Las Vegas Wash - Stewart, Las Vegas Wash to Lamb											
LVST 0000	4	3	3	3	3	2	3	3	2	3	90.5
	20.0	18.0	13.0	10.5	9.0	6.0	6.0	4.5	2.0	1.5	
PROJECT: Meadows Detention Basin Upgrade											
LCME 0018, 0021	3	3	3	3	3	3	2	3	2	2	90.5
	20.0	18.5	12.0	11.0	10.0	7.5	4.0	4.5	2.0	1.0	
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: Las Vegas Wash - Stewart to Bonanza											
LVMD 1121 & 1149	4	4	3	3	3	3	2	2	1	2	86.0
	20.0	18.0	12.0	10.5	9.0	7.5	4.0	3.0	1.0	1.0	
PROJECT: Owens Avenue East - LV Wash to Eastern											
LVOE 0000, 0085	4	4	3	3	3	2	2	3	2	2	86.0
	20.0	18.0	12.0	10.5	9.0	5.0	4.0	4.5	2.0	1.0	
PROJECT: Meadows/Charleston - Via Olivero, Montessori to Buffalo											
MECH 0424	4	4	3	3	2	3	2	3	3	2	85.5
	20.0	18.0	12.0	7.0	9.0	5.0	6.0	4.5	3.0	1.0	
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: Las Vegas Wash - Stewart, Lamb to Mojave											
LVST 0088, 0188	4	4	3	3	2	2	3	2	3	1	84.0
	20.0	18.0	12.0	10.5	6.0	5.0	6.0	3.0	3.0	0.5	
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: Boulder Highway Sahara Avenue - Eastern to Boulder Hwy.											
BHSA 0000, 0026	4	3	4	3	2	2	2	2	3	2	82.0
	20.0	13.5	16.0	10.5	6.0	5.0	4.0	3.0	3.0	1.0	
PROJECT: Sahara Avenue - Eastern Lateral											
SAEA 0000	3	3	4	3	3	2	2	3	3	2	81.5
	15.0	13.5	16.0	10.5	9.0	5.0	4.0	4.5	3.0	1.0	
PROJECT: Las Vegas Wash - Cedar Channel/Bonanza - Las Vegas Wash to Lamb											
LVZB 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: Freeway Channel - Washington, Valley View to Michael Way											
LV15 0602	3	3	3	3	3	3	2	2	3	1	78.0
	15.0	13.5	12.0	10.5	9.0	7.5	4.0	3.0	3.0	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	
HYDROGRAPHIC BASIN: GOWAN											
PROJECT: Gowan Outfall - El Capitan Branch, Ann Road to Centennial											
GOEC 0100, 0126, 0152, 0176	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: Gowan - Alexander Rd., Rancho to Decatur											
GOAL 0000, 0056	4	4	3	3	2	3	3	4	1	1	87.5
	20.0	18.0	12.0	10.5	6.0	7.5	6.0	6.0	1.0	0.5	
PROJECT: Gowan - Rancho, Alexander to Jones and Alexander Branch											
GOAL 0100, GOA2 0000	4	4	3	3	2	3	2	3	3	2	86.5
	20.0	18.0	12.0	10.5	6.0	7.5	4.0	4.5	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	
PROJECT: Gowan Outfall - Clayton Branch											
GOCL 0000	3	3	2	3	2	3	3	4	3	2	76.5
	15.0	13.5	8.0	10.5	6.0	7.5	6.0	6.0	3.0	1.0	
HYDROGRAPHIC BASIN: UPPER NORTHERN LAS VEGAS WASH											
PROJECT: Brent Drainage System - Durango to OHare											
BRDB 0107, 0157	4	3	4	3	3	3	3	3	1	3	89.5
	20.0	13.5	16.0	10.5	9.0	7.5	6.0	4.5	1.0	1.5	
PROJECT: Centennial Pkwy Channel West - Farm Road - Oso Blanca to Tee Pee											
CNFR 0000	4	3	4	3	3	3	3	3	1	2	89.0
	20.0	13.5	16.0	10.5	9.0	7.5	6.0	4.5	1.0	1.0	
PROJECT: Centennial Pkwy Channel West - Farm Rd - Tee Pee to Hualapai											
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 - Jones, Ann to Tropical											
ANJO 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	
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											
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 NORTH LAS VEGAS											
HYDROGRAPHIC BASIN: LOWER NORTHERN LAS VEGAS WASH											
PROJECT: Las Vegas Wash Cartier Channel											
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: Lake Mead Storm Drain, Las Vegas Wash to Civic Center											
LVLE 0000, 0047	4	3	3	3	3	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 0406	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	
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 McGaughey Detention Basin & Outfall											
SLWA 0130 thru 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: Beltway 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 - Beltway Conveyance											
RWBW 0035, 0037, 0066, 0083, & RWWE 0518, 0520, 0550	3	3	3	3	3	3	2	2	2	2	77.5
	15.0	13.5	12.0	10.5	9.0	7.5	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: 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	
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											
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		
CLARK COUNTY											
HYDROGRAPHIC BASIN: Tropicana/ Flamingo											
PROJECT: Airport Channel - Naples Channel and Peaking Basin											
TRMC 0013, 0014, 0031, 0033	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 Palos 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 - Industrial Rd. 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: Vanbuskirk - Tropicana, Maryland Pkwy to University Center											
VBTM 0175	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: Las Vegas Wash - Branch 02 - Jimmy Durante to Boulder Hwy											
LV02 0209, 0273, 0282, 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: Flamingo - Cimarron Branch											
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: Blue Diamond - Buffalo Branch											
BDBF 0010, 0076, 0125	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: Flamingo Wash Maryland - UNLV											
FLMR 0000	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: Vegas Valley Drive - Flamingo Wash to Burnham											
VAVD 0000 & 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: Tropicana Avenue Conveyance - Las Vegas Wash to Boulder Hwy.											
LV01 0001, 0038, 0080, 0118	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: Tropicana Avenue Conveyance - Boulder Hwy. to Morris											
LV01 0135	3	3	3	3	2	3	2	2	1	2	73.5
	15.0	13.5	12.0	10.5	6.0	7.5	4.0	3.0	1.0	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 - Branch 02 - Monson Chnl - Las Vegas Wash to Flamingo											
LV02 0001, 0125, 0127	3	3	3	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	2	2	1	69.5
	15.0	13.5	8.0	10.5	6.0	5.0	6.0	3.0	2.0	0.5	
PROJECT: Flamingo Wash - Jones to Tropicana											
FLWA 1153, 1204	2	3	2	3	2	2	2	3	2	2	64.5
	10.0	13.5	8.0	10.5	6.0	5.0	4.0	4.5	2.0	1.0	
HYDROGRAPHIC BASIN: Duck Creek/Blue Diamond											
PROJECT: Blue Diamond Wash - Arville to I-15											
BDWA 0276	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: 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: Duck Creek, Sunset Park											
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 - Pebble, 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	2	2	70.0
	10.0	13.5	12.0	7.0	9.0	5.0	6.0	4.5	2.0	1.0	

EXHIBIT C

EXHIBIT C

CITY OF HENDERSON
10-YEAR CONSTRUCTION PROGRAM
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2021 THRU 6/2026					SECOND FIVE YEARS 7/2026 THRU 6/2031					
			Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 21/22	(Year 2) FY 22/23	(Year 3) FY 23/24	(Year 4) FY 24/25	(Year 5) FY 25/26	(Year 6) FY 26/27	(Year 7) FY 27/28	(Year 8) FY 28/29	(Year 9) FY 29/30	(Year 10) FY 30/31
TOTAL PLAN			Annual Resources		\$863,582,254	\$60,561,141	\$46,537,246	\$143,443,336	\$46,475,104	\$49,713,132	\$146,188,169	\$48,929,232	\$51,665,770	\$148,312,121	\$46,163,059
Unencumbered from previous year		\$75,593,943	Cumulative Available Resources		\$798,310,606	\$33,525,693	\$30,531,817	\$40,688,522	\$33,576,945	\$19,747,077	\$68,197,785	\$80,423,305	\$54,650,473	\$54,455,238	\$65,271,649
ENTITY RESOURCES			Annual Resources		\$49,363,176	(\$2,378,677)	\$3,310,192	\$10,203,116	\$3,305,771	\$3,536,092	\$10,398,356	\$3,480,333	\$3,674,983	\$10,549,433	\$3,283,576
Unencumbered from previous year		(\$6,686,388)	Cumulative Available Resources			\$352,501	\$1,466,387	\$4,133,929	\$1,763,791	\$2,979,533	\$187,702	\$628,543	\$2,349,043	\$4,915,813	
ENTITY TOTAL			\$827,312,090	\$165,265,250	\$44,447,363	\$0	\$579,014	\$9,089,230	\$638,230	\$5,906,230	\$9,182,614	\$6,272,164	\$3,234,142	\$8,828,933	\$716,806
HYDROGRAPHIC BASIN: PITTMAN			\$627,639,150	\$144,761,050	\$38,102,513	\$0	\$579,014	\$9,089,230	\$638,230	\$5,580,332	\$8,993,311	\$6,272,164	\$0	\$6,950,233	\$0
SYSTEM: Pittman Burns			\$98,833,140	\$18,777,510	\$7,081,148	\$0	\$0	\$7,081,148	\$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	\$5,617,288			\$416,095							
Right-of-way		PTSU 0034, 0037, 0067, 0069	HEN12K19	\$784,190											
Construction				\$4,901,200				\$5,201,193							
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: Pittman Beltway			\$292,465,180	\$29,666,080	\$1,163,937	\$0	\$0	\$1,163,937	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PROJECT: Pittman Anthem Parkway Channel, Siena Heights to Horizon Ridge															
Design/Admin		PTAP 0018		\$203,110	\$1,163,937			\$86,217							
Right-of-way				\$162,490											
Construction				\$1,015,560				\$1,077,720							
SYSTEM: Upper Pittman			\$39,658,020	\$51,885,240	\$29,857,428	\$0	\$579,014	\$844,144	\$638,230	\$5,580,332	\$8,993,311	\$6,272,164	\$0	\$6,950,233	\$0
PROJECT: Southeast Pittman Detention Basin															
Design/Admin		PTBE 0062, 0063, 0064 & PTSO 0000		\$1,325,760	\$9,059,371			\$844,144			\$603,063				
Right-of-way				\$1,060,600											
Construction				\$6,628,770						\$7,612,163					
PROJECT: Pittman Gilespie															
Design/Admin		PTGL 0001, 0011		\$982,710	\$6,910,394				\$638,230			\$460,427			
Right-of-way				\$786,160											
Construction				\$4,913,530						\$5,811,737					
PROJECT: Pittman Wash South Phase 1 - Pittman North Detention Basin to Larson Lane															
Design/Admin		PTSD 0016, 0017, 0043		\$1,026,440	\$7,728,317						\$466,908			\$510,203	
Right-of-way				\$821,140							\$311,176				
Construction				\$5,132,170										\$6,440,029	
PROJECT: Southwest Pittman Detention Basin															
Design/Admin		PTSD 0233, 0234 & PTN2 0167		\$927,550	\$6,159,346		\$579,014			\$409,636					
Right-of-way				\$742,040											
Construction				\$4,637,790						\$5,170,696					
HYDROGRAPHIC BASIN: C-1			\$199,672,940	\$20,504,200	\$6,344,849	\$0	\$0	\$0	\$0	\$325,898	\$189,303	\$0	\$3,234,142	\$1,878,700	\$716,806
SYSTEM: C-1			\$199,672,940	\$20,504,200	\$6,344,849	\$0	\$0	\$0	\$0	\$325,898	\$189,303	\$0	\$3,234,142	\$1,878,700	\$716,806
PROJECT: Cadiz Storm Drain - Racetrack to Pueblo															
Design/Admin		C1CA 0000		\$491,960	\$3,560,040					\$325,898			\$237,412		
Right-of-way				\$393,570											
Construction				\$2,459,790									\$2,996,730		
PROJECT: C-1 Channel, SNWA Drop Structure to Lake Mead															
Design/Admin		C1CH 0161, 0173, 0204		\$933,390	\$716,806										\$716,806
Right-of-way				\$746,710											
Construction				\$5,057,770											
PROJECT: Lake Mead - Warm Springs to Burkholder															
Design/Admin		C1LM 0144, 0156, 0158, 0182, 0184		\$277,440	\$2,068,004						\$189,303			\$137,905	
Right-of-way				\$221,970											
Construction				\$1,387,270										\$1,740,796	

EXHIBIT C

CITY OF LAS VEGAS
10-YEAR CONSTRUCTION PROGRAM
ADOPTED

TOTAL PLAN					Annual Resources		\$863,582,254	\$60,561,141	\$46,537,246	\$143,443,336	\$46,475,104	\$49,713,132	\$146,188,169	\$48,929,232	\$51,665,770	\$148,312,121	\$46,163,059	
Unencumbered from previous year		\$75,593,943	Cumulative Available Resources		\$798,310,606	\$33,525,693	\$30,531,817	\$40,688,522	\$33,576,945	\$19,747,077	\$68,197,785	\$80,423,305	\$54,650,473	\$54,455,238	\$65,271,649			
ENTITY RESOURCES					Annual Resources		\$284,756,839	\$22,156,620	\$16,799,883	\$51,782,849	\$16,777,449	\$17,946,373	\$52,773,730	\$17,663,386	\$18,651,273	\$53,540,474	\$16,664,802	
Unencumbered from previous year		\$294,131	Cumulative Available Resources			\$8,918,811	\$5,821,088	\$11,366,068	\$647,690	\$5,630,237	\$35,139,490	\$37,449,956	\$10,342,022	\$4,668,259	\$21,333,061			
ENTITY TOTAL			\$1,372,662,650	\$838,754,092	\$263,423,779	\$13,237,809	\$19,897,606	\$46,237,869	\$27,495,827	\$12,963,826	\$23,264,477	\$15,352,920	\$45,759,206	\$59,214,237	\$0			
HYDROGRAPHIC BASIN: CENTRAL			\$526,443,780	\$507,779,660	\$179,681,233	\$3,434,051	\$0	\$40,180,759	\$27,495,827	\$1,427,311	\$19,904,547	\$15,352,920	\$37,234,139	\$34,651,679	\$0			
SYSTEM: LV Wash I-15 Tributary			\$148,473,570	\$89,965,860	\$23,069,793	\$555,166	\$0	\$3,323,245	\$0	\$0	\$1,519,197	\$0	\$8,285,014	\$9,387,171	\$0			
	PROJECT: Freeway Channel - Washington, Valley View to Michael Way																	
	Design/Admin	LV15 0602		\$1,386,330	\$10,333,095							\$945,923				\$689,091		
	Right-of-way			\$1,109,060														
	Construction			\$6,931,650								\$8,698,081						
	PROJECT: Freeway Channel - Washington, Rancho to Valley View																	
	Design/Admin	LV15 0528		\$1,260,270	\$8,858,287							\$573,273		\$608,186				
	Right-of-way			\$1,008,210														
	Construction			\$6,301,330							\$7,676,828							
	PROJECT: Lake Mead - Carey - Lake Mead Detention Basin Outfall																	
	Design/Admin	LVLM 0221	Design Started 19/20	\$20,790	\$555,166		\$8,482											
	Design/Admin		NLV19A19	\$16,630														
	Construction			\$103,930			\$546,684											
	PROJECT: Owens Avenue System - Vegas Storm Drain, Shadow Mountain to Jones																	
	Design/Admin	LVOW 0360	Design Started 20/21	\$579,920	\$3,323,245				\$246,166									
	Right-of-way		LAS19E20	\$463,940														
	Construction			\$2,899,600					\$3,077,079									
	SYSTEM: LV Wash Central			\$369,949,500	\$221,782,930	\$98,157,160	\$2,878,885	\$0	\$29,472,854	\$27,495,827	\$1,427,311	\$15,211,264	\$13,751,813	\$7,919,206	\$0	\$0		
		PROJECT: Las Vegas Wash - Stewart to Bonanza																
Design/Admin		LVMD 1121 & 1149		\$1,204,620	\$8,741,145							\$821,939		\$581,330				
Right-of-way				\$963,890														
Construction				\$6,023,110									\$7,337,876					
PROJECT: Meadows - Charleston Storm Drain, Essex to Lindell																		
Design/Admin		MECN 0000, 0061	Design Started 20/21	\$1,362,180	\$15,978,223				\$578,223									
Right-of-way			LAS05L20	\$1,089,750														
Construction				\$6,810,920														
PROJECT: Las Vegas Wash - Stewart, Las Vegas Wash to Lamb																		
Design/Admin		LVST 0000	Design Started 20/21	\$1,698,110	\$9,731,080				\$720,819									
Right-of-way			LAS25C20	\$1,358,490														
Construction				\$8,490,570					\$9,010,261									
PROJECT: Meadows Detention Basin Upgrade																		
Design/Admin		LCME 0018, 0021		\$117,440	\$2,285,000				\$250,000									
Right-of-way			LVVWD cost participation	\$93,950														
Construction			Engr's Est.	\$587,190					\$2,035,000									
PROJECT: Owens Avenue East - LV Wash to Eastern																		
Design/Admin		LVOE 0000, 0085		\$3,810,770	\$24,606,608		\$2,332,191			\$1,649,960								
Right-of-way				\$3,048,610														
Construction				\$19,053,810						\$20,624,457								
PROJECT: Meadows/Charleston-Via Olivero, Montessori to Buffalo																		
Design/Admin		MECH 0424		\$893,290	\$5,768,104		\$546,693			\$386,770								
Right-of-way				\$714,630														
Construction				\$4,466,460						\$4,834,640								
PROJECT: Owens Avenue East - Eastern to Main																		
Design/Admin		LVOE 0134		\$2,322,120	\$15,867,876				\$1,478,551			\$1,056,289						
Right-of-way				\$1,857,690														
Construction			\$11,610,580							\$13,333,036								
PROJECT: Las Vegas Wash - Stewart, Lamb to Mojave																		
Design/Admin	LVST 0088, 0188		\$2,154,600	\$15,179,125						\$1,427,311		\$1,009,490						
Right-of-way			\$1,723,680															
Construction			\$10,772,990								\$12,742,323							
SYSTEM: Sahara Boulder Highway			\$8,020,710	\$196,030,870	\$58,454,280	\$0	\$0	\$7,384,660	\$0	\$0	\$3,174,087	\$1,601,107	\$21,029,919	\$25,264,508	\$0			
	PROJECT: Boulder Highway Sahara Avenue - Eastern to Boulder Hwy.																	
	Design/Admin	BHSA 0000, 0026	Pre -Design Started 09/10	\$2,767,570	\$20,082,405							\$1,888,374		\$1,335,584				
	Right-of-way		LAS27A09	\$2,214,050														
	Construction			\$13,837,830									\$16,858,447					
	PROJECT: Sahara Avenue - Eastern Lateral																	
	Design/Admin	SAEA 0000		\$431,380	\$3,130,228							\$294,340		\$208,177				
	Right-of-way			\$345,100														
	Construction			\$2,156,890								\$2,627,711						
	PROJECT: Boulder Highway Sahara Avenue - Maryland to Eastern																	
	Design/Admin	BHSA 0075		\$2,278,210	\$17,027,423								\$1,601,107		\$1,132,409			
	Right-of-way			\$1,822,570														
	Construction			\$11,391,060									\$14,293,907					
	PROJECT: Flamingo - Boulder Hwy. North, Charleston - Main to Maryland																	
	Design/Admin	FLBN 0281, 0312	design start in 17/18	\$1,288,650	\$7,384,660				\$547,010									
	Right-of-way		LAS29D17	\$1,030,920														
	Construction			\$6,443,270					\$6,837,650									
	PROJECT: Las Vegas Wash - Cedar Channel/Bonanza - Las Vegas Wash to Lamb																	
		LVBZ 0000		\$1,452,940	\$10,829,564								\$991,373			\$722,200		
Right-of-way	CACH 0001, 0020		\$1,162,350															
Construction			\$7,264,690										\$9,115,991					

EXHIBIT C

CITY OF LAS VEGAS
10-YEAR CONSTRUCTION PROGRAM
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2021 THRU 6/2026					SECOND FIVE YEARS 7/2026 THRU 6/2031						
		Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 21/22	(Year 2) FY 22/23	(Year 3) FY 23/24	(Year 4) FY 24/25	(Year 5) FY 25/26	(Year 6) FY 26/27	(Year 7) FY 27/28	(Year 8) FY 28/29	(Year 9) FY 29/30	(Year 10) FY 30/31	
TOTAL PLAN					Annual Resources	\$863,582,254	\$60,561,141	\$46,537,246	\$143,443,336	\$46,475,104	\$49,713,132	\$146,188,169	\$48,929,232	\$51,665,770	\$148,312,121	\$46,163,059
Unencumbered from previous year		\$75,593,943	Cumulative Available Resources		\$798,310,606	\$33,525,693	\$30,531,817	\$40,688,522	\$33,576,945	\$19,747,077	\$68,197,785	\$80,423,305	\$54,650,473	\$54,455,238	\$65,271,649	
ENTITY RESOURCES					Annual Resources	\$284,756,839	\$22,156,620	\$16,799,883	\$51,782,849	\$16,777,449	\$17,946,373	\$52,773,730	\$17,663,386	\$18,651,273	\$53,540,474	\$16,664,802
Unencumbered from previous year		\$294,131	Cumulative Available Resources			\$8,918,811	\$5,821,088	\$11,366,068	\$647,690	\$5,630,237	\$35,139,490	\$37,449,956	\$10,342,022	\$4,668,259	\$21,333,061	
ENTITY TOTAL			\$1,372,662,650	\$838,754,092	\$263,423,779	\$13,237,809	\$19,897,606	\$46,237,869	\$27,495,827	\$12,963,826	\$23,264,477	\$15,352,920	\$45,759,206	\$59,214,237	\$0	
HYDROGRAPHIC BASIN: GOWAN			\$447,692,150	\$127,415,880	\$52,941,536	\$9,803,758	\$10,841,973	\$0	\$0	\$5,258,138	\$2,475,109	\$0	\$0	\$24,562,558	\$0	
SYSTEM: Gowan North			\$273,309,150	\$126,944,520	\$52,941,536	\$9,803,758	\$10,841,973	\$0	\$0	\$5,258,138	\$2,475,109	\$0	\$0	\$24,562,558	\$0	
PROJECT: Gowan Outfall - Clayton Branch																
Design/Admin		GOCL 0000		\$2,055,290	\$15,319,241						\$1,402,369			\$1,021,605		
Right-of-way				\$1,644,230												
Construction				\$10,276,460										\$12,895,267		
PROJECT: Gowan Outfall - El Capitan Branch, Ann Road to Centennial																
Design/Admin		GOEC 0100, 0126, 0152, 0176	Design Started in 17/18	\$1,323,640	\$9,803,758	\$641,367										
Right-of-way			LAS24L17	\$1,058,910												
Construction			Engr's Est.	\$6,618,180		\$9,162,391										
PROJECT: Gowan - Alexander Rd., Rancho to Decatur																
Design/Admin		GOAL 0000, 0056	Design Started in 13/14	\$1,832,700	\$10,296,381		\$762,696									
Right-of-way			LAS30A13	\$1,466,160												
Construction			Engr's Est.	\$9,163,480		\$9,533,685										
PROJECT: Gowan - Craig and US-95																
Design/Admin		GOAL 0168, 0247		\$1,572,190	\$11,718,426						\$1,072,740			\$781,474		
Right-of-way				\$1,257,750												
Construction				\$7,860,960									\$9,864,212			
PROJECT: Gowan - Rancho, Alexander to Jones and Alexander Branch																
Design/Admin		GOAL 0100, GOA2 0000		\$874,010	\$5,803,730		\$545,592			\$385,991						
Right-of-way				\$699,200												
Construction				\$4,370,010			\$4,872,147									
HYDROGRAPHIC BASIN: UPPER NORTHERN LV WASH			\$398,526,720	\$203,558,552	\$30,801,009	\$0	\$9,055,633	\$6,057,110	\$0	\$6,278,377	\$884,821	\$0	\$8,525,068	\$0	\$0	
SYSTEM: Ann Road			\$90,182,950	\$22,381,710	\$9,409,889	\$0	\$0	\$0	\$0	\$0	\$884,821	\$0	\$8,525,068	\$0	\$0	
PROJECT: Ann Road Channel West - Jones, Ann to Tropical																
Design/Admin		ANJO 0000		\$614,940	\$4,462,226						\$419,587		\$296,760			
Right-of-way				\$491,950												
Construction				\$3,074,710									\$3,745,879			
PROJECT: Ann Road Channel West - Decatur, Ann to Tropical																
Design/Admin		ANDE 0000		\$681,840	\$4,947,663						\$465,234		\$329,045			
Right-of-way				\$545,470												
Construction				\$3,409,200									\$4,153,384			
SYSTEM: Upper Western Tributary			\$264,027,000	\$37,904,552	\$21,391,120	\$0	\$9,055,633	\$6,057,110	\$0	\$6,278,377	\$0	\$0	\$0	\$0	\$0	
PROJECT: Brent Drainage System - Durango to OHare																
Design/Admin		BRDB 0107, 0157	Design Started 19/20	\$1,495,900	\$8,404,185		\$622,534									
Right-of-way			LAS22U19	\$1,196,720												
Construction				\$7,479,480		\$7,781,651										
PROJECT: Centennial Pkwy Channel West - Farm Rd - Oso Blanca to Tee Pee																
Design/Admin		CNFR 0000		\$1,056,991	\$6,057,110			\$448,675								
Right-of-way				\$845,593												
Construction				\$5,284,954		\$5,608,435										
PROJECT: Centennial Pkwy Channel West - Farm Rd - Tee Pee to Hualapai																
Design/Admin		CNFR 0400		\$1,043,586	\$6,929,825		\$651,448			\$460,881						
Right-of-way				\$834,869												
Construction				\$5,217,929							\$5,817,496					

EXHIBIT C

CITY OF NORTH LAS VEGAS
10-YEAR CONSTRUCTION PROGRAM
ADOPTED

ADOPTED																
					FIRST FIVE YEARS 7/2021 THRU 6/2026					SECOND FIVE YEARS 7/2026 THRU 6/2031						
		Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 21/22	(Year 2) FY 22/23	(Year 3) FY 23/24	(Year 4) FY 24/25	(Year 5) FY 25/26	(Year 6) FY 26/27	(Year 7) FY 27/28	(Year 8) FY 28/29	(Year 9) FY 29/30	(Year 10) FY 30/31	
TOTAL PLAN					Annual Resources	\$863,582,254	\$60,561,141	\$46,537,246	\$143,443,336	\$46,475,104	\$49,713,132	\$146,188,169	\$48,929,232	\$51,665,770	\$148,312,121	\$46,163,059
Unencumbered from previous year		\$75,593,943	Cumulative Available Resources		\$798,310,606	\$33,525,693	\$30,531,817	\$40,688,522	\$33,576,945	\$19,747,077	\$68,197,785	\$80,423,305	\$54,650,473	\$54,455,238	\$65,271,649	
ENTITY RESOURCES					Annual Resources	\$200,340,223	\$24,348,197	\$11,259,112	\$34,704,345	\$11,244,078	\$12,027,479	\$35,368,423	\$11,837,824	\$12,499,895	\$35,882,287	\$11,168,582
Unencumbered from previous year		\$9,696,177	Cumulative Available Resources			\$16,479,002	\$12,901,483	\$19,028,555	\$20,675,672	\$3,042,464	\$13,905,941	\$22,628,961	\$35,128,857	\$31,451,455	\$29,446,374	
ENTITY TOTAL			\$819,252,740	\$562,124,556	\$170,893,849	\$7,869,196	\$14,836,631	\$28,577,273	\$9,596,960	\$29,660,687	\$24,504,946	\$3,114,804	\$0	\$39,559,689	\$13,173,664	
HYDROGRAPHIC BASIN: LOWER NORTHERN LV WASH			\$420,934,570	\$182,748,946	\$35,162,564	\$7,069,196	\$7,897,167	\$5,829,563	\$6,293,280	\$0	\$8,073,358	\$0	\$0	\$0	\$0	
SYSTEM: LV Wash Craig			\$192,994,230	\$37,622,500	\$11,952,202	\$658,922	\$0	\$5,000,000	\$6,293,280	\$0	\$0	\$0	\$0	\$0	\$0	
	PROJECT: North Las Vegas Detention Basin Upgrade															
	Design/Admin	LVUP 0406		\$1,076,670	\$6,952,202	\$658,922			\$466,169							
	Right-of-way			\$861,340												
	Construction			\$5,383,350			\$5,827,111									
	PROJECT: Las Vegas Wash - Iron Mountain, Bradley to Decatur															
	Design/Admin	IRMO 0000	Design started 20/21	\$1,483,030	\$5,000,000			\$400,000								
	Right-of-way		LAS32A21	\$1,186,420												
	Construction			\$7,415,130			\$4,600,000									
	SYSTEM: Cheyenne Lamb Nellis			\$79,573,170	\$132,642,546	\$23,210,361	\$6,410,274	\$7,897,167	\$829,563	\$0	\$0	\$8,073,358	\$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	\$7,897,167		\$584,975									
Right-of-way			NLV10M21	\$1,124,520												
Construction				\$7,028,250			\$7,312,191									
PROJECT: Las Vegas Boulevard Storm Drain																
Design/Admin		LVLV 0000		\$1,302,860	\$8,902,921			\$829,563		\$592,647						
Right-of-way				\$1,042,290												
Construction				\$6,514,300			\$7,480,711									
PROJECT: Las Vegas Wash Cartier Channel																
Design/Admin		LVCC 0000, 0030, 0035	Design Started 19/20	\$1,163,815	\$6,410,274	\$474,837										
Right-of-way	NLV10L19		\$931,046													
Construction	RTC Lead		\$5,819,056	\$5,935,437												

EXHIBIT C

CITY OF NORTH LAS VEGAS
10-YEAR CONSTRUCTION PROGRAM
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2021 THRU 6/2026					SECOND FIVE YEARS 7/2026 THRU 6/2031							
	Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 21/22	(Year 2) FY 22/23	(Year 3) FY 23/24	(Year 4) FY 24/25	(Year 5) FY 25/26	(Year 6) FY 26/27	(Year 7) FY 27/28	(Year 8) FY 28/29	(Year 9) FY 29/30	(Year 10) FY 30/31			
TOTAL PLAN					Annual Resources	\$863,582,254	\$60,561,141	\$46,537,246	\$143,443,336	\$46,475,104	\$49,713,132	\$146,188,169	\$48,929,232	\$51,665,770	\$148,312,121	\$46,163,059	
Unencumbered from previous year		\$75,593,943	Cumulative Available Resources		\$798,310,606	\$33,525,693	\$30,531,817	\$40,688,522	\$33,576,945	\$19,747,077	\$68,197,785	\$80,423,305	\$54,650,473	\$54,455,238	\$65,271,649		
ENTITY RESOURCES					Annual Resources	\$200,340,223	\$24,348,197	\$11,259,112	\$34,704,345	\$11,244,078	\$12,027,479	\$35,368,423	\$11,837,824	\$12,499,895	\$35,882,287	\$11,168,582	
Unencumbered from previous year		\$9,696,177	Cumulative Available Resources			\$16,479,002	\$12,901,483	\$19,028,555	\$20,675,672	\$3,042,464	\$13,905,941	\$22,628,961	\$35,128,857	\$31,451,455	\$29,446,374		
ENTITY TOTAL					\$819,252,740	\$562,124,556	\$170,893,849	\$7,869,196	\$14,836,631	\$28,577,273	\$9,596,960	\$29,660,687	\$24,504,946	\$3,114,804	\$0	\$39,559,689	\$13,173,664
HYDROGRAPHIC BASIN: RANGE		\$196,209,210	\$262,708,330	\$106,019,413	\$800,000	\$6,939,465	\$20,318,522	\$0	\$5,681,682	\$16,431,589	\$3,114,804	\$0	\$39,559,689	\$13,173,664			
SYSTEM: Lower Range		\$92,621,110	\$53,363,990	\$28,569,360	\$800,000	\$6,939,465	\$18,689,850	\$0	\$2,140,045	\$0	\$0	\$0	\$0	\$0			
	PROJECT: Orchard Collector - Charleston to Linden																
	Design/Admin	SLOR 0158	Design Started 00/01	\$428,160	\$6,939,465		\$453,984										
	Right-of-way		CLA21A00	\$342,530													
	Construction		Est.	\$2,140,810			\$6,485,481										
	PROJECT: Jim McGaughey Detention Basin & Outfall																
	Design/Admin	SLWA 0130 thru 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	\$2,366,541			\$226,496		\$157,097							
	Right-of-way			\$284,570													
	Construction			\$1,778,580			\$1,982,948										
SYSTEM: West Range		\$85,613,560	\$145,159,210	\$61,161,586	\$0	\$0	\$1,628,672	\$0	\$3,541,637	\$16,431,589	\$0	\$0	\$39,559,689	\$0			
	PROJECT: Nellis Storm Drain - Sloan Channel to Craig																
	Design/Admin	SLNL 0000, 0064		\$3,256,870	\$24,275,303						\$2,222,234			\$1,618,863			
	Right-of-way			\$2,605,500													
	Construction			\$16,284,370								\$20,434,206					
	PROJECT: Las Vegas Boulevard Storm Drain - Nellis to Range																
	Design/Admin	SLLV 0000		\$2,585,440	\$19,270,721						\$1,764,102			\$1,285,122			
	Right-of-way			\$2,068,350													
	Construction			\$12,927,190							\$16,221,497						
	PROJECT: Range Wash - Beltway Conveyance																
	Design/Admin	RWBW 0035, 0037, 0066, 0083, & RWWE 0518, 0520, 0550		\$2,008,390	\$13,724,044			\$1,278,792			\$913,579						
	Right-of-way			\$1,606,720													
	Construction			\$10,041,930						\$11,531,673							
PROJECT: Beltway Collection System - Pecos																	
Design/Admin	RWWE 0500 & RWBW 0011, 0013		\$549,500	\$3,891,517			\$349,880		\$242,677								
Right-of-way			\$439,600														
Construction			\$2,958,960			\$3,298,960											
SYSTEM: East Range		\$17,974,540	\$64,185,130	\$16,288,467	\$0	\$0	\$0	\$0	\$0	\$0	\$3,114,804	\$0	\$0	\$0	\$13,173,664		
	PROJECT: Speedway North Detention Basin and Outfall																
	Design/Admin	RWHW 0459, 0498, 0499, 0500		\$1,888,870	\$16,288,467							\$1,327,482			\$967,050		
	Right-of-way			\$1,511,090						\$1,787,322							
	Construction			\$9,444,330							\$12,206,613						
HYDROGRAPHIC BASIN: Apex		\$10,556,880	\$76,028,740	\$29,711,873	\$0	\$0	\$2,429,188	\$3,303,680	\$23,979,005	\$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	\$29,711,873			\$2,429,188		\$2,527,327							
	Right-of-way			\$3,052,090					\$3,303,680								
	Construction			\$19,240,810					\$21,451,678								

EXHIBIT C

CLARK COUNTY
10-YEAR CONSTRUCTION PROGRAM
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2021 THRU 6/2026					SECOND FIVE YEARS 7/2026 THRU 6/2031						
		Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 21/22	(Year 2) FY 22/23	(Year 3) FY 23/24	(Year 4) FY 24/25	(Year 5) FY 25/26	(Year 6) FY 26/27	(Year 7) FY 27/28	(Year 8) FY 28/29	(Year 9) FY 29/30	(Year 10) FY 30/31	
TOTAL PLAN					Annual Resources	\$863,582,254	\$60,561,141	\$46,537,246	\$143,443,336	\$46,475,104	\$49,713,132	\$146,188,169	\$48,929,232	\$51,665,770	\$148,312,121	\$46,163,059
Unencumbered from previous year		\$75,593,943	Cumulative Available Resources		\$798,310,606	\$33,525,693	\$30,531,817	\$40,688,522	\$33,576,945	\$19,747,077	\$68,197,785	\$80,423,305	\$54,650,473	\$54,455,238	\$65,271,649	
ENTITY RESOURCES					Annual Resources	\$283,226,788	\$78,105,289	\$13,122,674	\$40,448,464	\$13,105,151	\$14,018,217	\$41,222,459	\$13,797,172	\$14,568,826	\$41,821,375	\$13,017,160
Unencumbered from previous year		\$61,028,127	Cumulative Available Resources			\$4,749,154	\$4,129,071	\$3,786,075	\$1,649,812	\$5,484,129	\$6,407,947	\$16,682,967	\$5,281,185	\$8,538,906	\$99,887	
ENTITY TOTAL			\$1,556,209,874	\$744,442,404	\$283,126,901	\$73,356,135	\$13,742,756	\$40,791,461	\$15,241,415	\$10,183,900	\$40,298,641	\$3,522,151	\$25,970,609	\$38,563,654	\$21,456,179	
HYDROGRAPHIC BASIN: Tropicana/ Flamingo			\$949,729,850	\$164,588,950	\$134,171,307	\$37,521,033	\$10,560,327	\$4,518,872	\$1,050,332	\$1,055,764	\$26,331,460	\$0	\$24,270,938	\$18,950,751	\$9,911,831	
SYSTEM: Tropicana Flamingo Project			\$484,469,310	\$23,344,000	\$14,435,592	\$324,574	\$0	\$3,039,194	\$1,050,332	\$0	\$10,021,493	\$0	\$0	\$0	\$0	
	PROJECT: Blue Diamond - Buffalo Branch															
	Design/Admin	BDBF 0010, 0076, 0125		\$1,617,240	\$11,071,824				\$1,050,332		\$735,652					
	Design/Admin			\$1,293,800												
	Construction			\$8,086,230					\$9,285,841							
	PROJECT: Flamingo - Cimarron Branch															
	Design/Admin	FLCM 0003		\$530,350	\$3,363,768	\$324,574		\$225,125								
	Right-of-way			\$424,280												
	Construction			\$2,651,760			\$2,814,069									
	SYSTEM: Flamingo Decatur			\$110,855,740	\$4,867,110	\$488,167	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$488,167	\$0	\$0
		PROJECT: Flamingo Wash - Jones to Tropicana														
Design/Admin		FLWA 1153, 1204		\$674,380	\$488,167								\$488,167			
Right-of-way				\$539,500												
Construction			\$3,371,920													
SYSTEM: Lower Flamingo			\$332,587,410	\$99,159,190	\$56,866,375	\$37,196,459	\$3,789,898	\$1,479,678	\$0	\$0	\$14,400,339	\$0	\$0	\$0	\$0	
	PROJECT: Flamingo Wash, Maryland to Palos Verde															
	Design/Admin	FLWA 0621 & 0673	Design Started 18/19	\$534,210	\$5,423,616	\$354,816										
	Right-of-way		CLA04Y19	\$427,360												
	Construction		Eng. Est.	\$2,671,030		\$5,068,800										
	PROJECT: Flamingo Wash Maryland - UNLV															
	Design/Admin	FLMR 0000		\$970,640	\$6,632,728			\$618,031			\$441,526					
	Right-of-way			\$776,510												
	Construction			\$4,853,190				\$5,573,172								
	PROJECT: Airport Channel - Naples Channel and Peaking Basin															
	Design/Admin	TRMC 0013, 0014, 0031, 0033	Design Started 13/14	\$1,114,250	\$29,960,000	\$1,960,000										
Right-of-way	CLA10H13		\$891,390													
Construction	Eng. Est.		\$5,571,230	\$28,000,000												
PROJECT: Vegas Valley Drive - Flamingo Wash to Burnham																
Design/Admin	VAVD 0000 & 0025		\$1,353,250	\$9,247,289			\$861,648			\$615,568						
Right-of-way			\$1,082,600													
Construction			\$6,766,280				\$7,770,073									
PROJECT: Flamingo Wash - Industrial Rd. to Hotel Rio Dr.																
Design/Admin	FLWA 0893 & 0896	Design Started 09/10	\$77,760	\$1,400,000	\$100,000											
Right-of-way		CLA10F10	\$62,210													
Construction		Eng. Est.	\$388,790		\$1,300,000											
PROJECT: Vanbuskirk - Tropicana, Maryland Pkwy to University Center																
Design/Admin	VBTM 0175		\$674,580	\$4,202,741	\$412,843	\$280,733										
Right-of-way			\$539,660													
Construction			\$3,372,900			\$3,509,165										
SYSTEM: Lower LV Wash Tributaries			\$21,817,390	\$37,218,650	\$62,381,173	\$0	\$6,770,428	\$0	\$0	\$1,055,764	\$1,909,628	\$0	\$23,782,771	\$18,950,751	\$9,911,831	
	PROJECT: Tropicana Avenue Conveyance - Morris to Mountain Vista															
	Design/Admin	LV01 0151, 0176		\$872,830	\$6,505,641						\$595,551			\$433,850		
	Right-of-way			\$698,260												
	Construction			\$4,364,110							\$5,476,240					
	PROJECT: Tropicana Avenue Conveyance - Las Vegas Wash to Boulder Hwy.															
	Design/Admin	LV01 0001, 0038, 0080, 0118		\$3,976,060	\$19,595,790					\$670,000			\$725,790			
	Right-of-way			\$3,180,860												
	Construction		Eng. Est from CLA35A11	\$19,880,340					\$18,200,000							
	PROJECT: Tropicana Avenue Conveyance - Boulder Hwy. to Morris															
	Design/Admin	LV01 0135		\$582,330	\$4,213,987					\$385,764				\$281,023		
Right-of-way			\$465,860													
Construction			\$2,911,630						\$3,547,201							
PROJECT: Las Vegas Wash - Branch 02 - Jimmy Durante to Boulder Hwy																
Design/Admin	LV02 0209, 0273, 0282, 0294	Design Started 20/21	\$671,120	\$6,770,428		\$279,293										
Right-of-way		CLA40A21	\$536,890													
Construction			\$3,355,570		\$6,491,135											
PROJECT: Las Vegas Wash - Branch 02 - Monson Chnl - Las Vegas Wash to Flamingo																
Design/Admin	LV02 0001, 0125, 0127		\$1,925,890	\$14,354,738						\$1,314,077				\$957,285		
Right-of-way			\$1,540,710													
Construction			\$9,629,450									\$12,083,376				
PROJECT: Las Vegas Wash - Boulder Hwy. - Tropicana to Harmon																
Design/Admin	LVBH 0000		\$1,421,180	\$10,940,588									\$1,028,757		\$727,606	
Right-of-way			\$1,136,940													
Construction			\$7,105,890											\$9,184,225		

EXHIBIT C

CLARK COUNTY
10-YEAR CONSTRUCTION PROGRAM
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2021 THRU 6/2026					SECOND FIVE YEARS 7/2026 THRU 6/2031							
		Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 21/22	(Year 2) FY 22/23	(Year 3) FY 23/24	(Year 4) FY 24/25	(Year 5) FY 25/26	(Year 6) FY 26/27	(Year 7) FY 27/28	(Year 8) FY 28/29	(Year 9) FY 29/30	(Year 10) FY 30/31		
TOTAL PLAN					Annual Resources	\$863,582,254	\$60,561,141	\$46,537,246	\$143,443,336	\$46,475,104	\$49,713,132	\$146,188,169	\$48,929,232	\$51,665,770	\$148,312,121	\$46,163,059	
Unencumbered from previous year		\$75,593,943	Cumulative Available Resources		\$798,310,606	\$33,525,693	\$30,531,817	\$40,688,522	\$33,576,945	\$19,747,077	\$68,197,785	\$80,423,305	\$54,650,473	\$54,455,238	\$65,271,649		
ENTITY RESOURCES					Annual Resources	\$283,226,788	\$78,105,289	\$13,122,674	\$40,448,464	\$13,105,151	\$14,018,217	\$41,222,459	\$13,797,172	\$14,568,826	\$41,821,375	\$13,017,160	
Unencumbered from previous year		\$61,028,127	Cumulative Available Resources			\$4,749,154	\$4,129,071	\$3,786,075	\$1,649,812	\$5,484,129	\$6,407,947	\$16,682,967	\$5,281,185	\$8,538,906	\$99,887		
ENTITY TOTAL			\$1,556,209,874	\$744,442,404	\$283,126,901	\$73,356,135	\$13,742,756	\$40,791,461	\$15,241,415	\$10,183,900	\$40,298,641	\$3,522,151	\$25,970,609	\$38,563,654	\$21,456,179		
CLARK COUNTY WATER RESOURCES DEPARTMENT	HYDROGRAPHIC BASIN: Duck Creek/ Blue Diamond		\$509,793,980	\$301,091,860	\$81,374,369	\$24,010,228	\$903,968	\$35,040,492	\$0	\$8,712,036	\$0	\$1,163,296	\$0	\$0	\$11,544,349		
	SYSTEM: Blue Diamond Tributaries		\$76,756,840	\$61,719,030	\$48,294,756	\$18,270,774	\$903,968	\$7,700,333	\$0	\$8,712,036	\$0	\$1,163,296	\$0	\$0	\$11,544,349		
		PROJECT: Blue Diamond Wash - Arville to I-15															
		Design/Admin	BDWA 0276	Design Started 18/19	\$1,050,120	\$7,810,263	\$510,952										
		Right-of-way			\$840,090												
	Construction			\$5,250,590	\$7,299,311												
		PROJECT: Duck Cr. / Blue Diamond, Bermuda Road to Las Vegas Blvd.															
		Design/Admin	DCBD 0075, 0082 & 0084	Design Started 18/19	\$991,380	\$10,460,511	\$404,483										
		Right-of-way		CLA39A19	\$793,100												
	Construction			\$4,956,890	\$10,056,028												
		PROJECT: Blue Diamond Channel, Amigo to Haven															
		Design/Admin	BDWA 0087, 0111, 0113, 0137, 0139, 0174, 0175	Design Started 20/21	\$1,343,740	\$7,700,333			\$570,395								
		Right-of-way		CLA16P21	\$1,075,010												
	Construction			\$6,718,700				\$7,129,938									
		PROJECT: Blue Diamond Wash - Wigwam - Rainbow to Buffalo, and Buffalo - Wigwam to Ford															
		Design/Admin	BDW1 0122, 0220		\$1,655,250	\$12,707,644							\$1,163,296				\$847,443
		Right-of-way			\$1,324,200												
	Construction			\$8,276,260											\$10,696,906		
		PROJECT: Blue Diamond Wash - Pebble, Blue Diamond Wash to Rainbow															
		Design/Admin	BDW4 0000		\$1,448,110	\$9,616,004		\$903,968			\$639,532						
		Right-of-way			\$1,158,490												
	Construction			\$7,240,530						\$8,072,504							
SYSTEM: Upper Duck Creek			\$121,009,340	\$75,203,030	\$9,870,831	\$3,500,000	\$0	\$6,370,831	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	PROJECT: Blue Diamond Channel 02, Decatur - Le Baron to Richmar - Phase 2																
	Design/Admin	BD02 0330, 0334		\$0	\$3,500,000	\$500,000											
	Right-of-way			\$0													
	Construction		Phase 2	\$1,624,838		\$3,000,000											
	PROJECT: Blue Diamond Railroad Channel																
Design/Admin	BDW5 0026, BDW2 0000	Design Started 20/21	\$1,111,740	\$6,370,831			\$471,915										
Right-of-way		CLA38G20	\$889,390														
Construction			\$5,558,680				\$5,898,916										
SYSTEM: Lower Duck Creek			\$176,428,900	\$39,736,410	\$23,208,783	\$2,239,455	\$0	\$20,969,328	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	PROJECT: Duck Creek, Sunset Park																
	Design/Admin	DCSP 0000, 0115		\$3,659,240	\$23,208,783	\$2,239,455		\$1,553,286									
	Right-of-way			\$2,927,390													
Construction			\$18,296,170				\$19,416,042										

EXHIBIT C

CLARK COUNTY
10-YEAR CONSTRUCTION PROGRAM
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2021 THRU 6/2026					SECOND FIVE YEARS 7/2026 THRU 6/2031						
		Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 21/22	(Year 2) FY 22/23	(Year 3) FY 23/24	(Year 4) FY 24/25	(Year 5) FY 25/26	(Year 6) FY 26/27	(Year 7) FY 27/28	(Year 8) FY 28/29	(Year 9) FY 29/30	(Year 10) FY 30/31	
TOTAL PLAN					Annual Resources	\$863,582,254	\$60,561,141	\$46,537,246	\$143,443,336	\$46,475,104	\$49,713,132	\$146,188,169	\$48,929,232	\$51,665,770	\$148,312,121	\$46,163,059
Unencumbered from previous year		\$75,593,943	Cumulative Available Resources		\$798,310,606	\$33,525,693	\$30,531,817	\$40,688,522	\$33,576,945	\$19,747,077	\$68,197,785	\$80,423,305	\$54,650,473	\$54,455,238	\$65,271,649	
ENTITY RESOURCES					Annual Resources	\$283,226,788	\$78,105,289	\$13,122,674	\$40,448,464	\$13,105,151	\$14,018,217	\$41,222,459	\$13,797,172	\$14,568,826	\$41,821,375	\$13,017,160
Unencumbered from previous year		\$61,028,127	Cumulative Available Resources			\$4,749,154	\$4,129,071	\$3,786,075	\$1,649,812	\$5,484,129	\$6,407,947	\$16,682,967	\$5,281,185	\$8,538,906	\$99,887	
ENTITY TOTAL			\$1,556,209,874	\$744,442,404	\$283,126,901	\$73,356,135	\$13,742,756	\$40,791,461	\$15,241,415	\$10,183,900	\$40,298,641	\$3,522,151	\$25,970,609	\$38,563,654	\$21,456,179	
	HYDROGRAPHIC BASIN: Outlying Areas		\$96,686,044	\$278,761,594	\$67,581,225	\$11,824,874	\$2,278,462	\$1,232,097	\$14,191,083	\$416,100	\$13,967,181	\$2,358,855	\$1,699,671	\$19,612,903	\$0	
	SYSTEM: Goodsprings		\$144,121	\$5,720,856	\$2,924,850	\$2,924,850	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
		PROJECT: Goodsprings - Phase I														
		Design/Admin	GSPA 0000, 0018, 0019, 0027 & 0029	Design Started 09/10	\$462,501	\$2,924,850	\$188,700									
		Right-of-way		GSP01B10	\$370,002											
		Construction			\$2,312,498											
	SYSTEM: Muddy River & Tributaries		\$37,360,300	\$158,619,300	\$34,859,819	\$2,832,238	\$0	\$0	\$12,178,278	\$0	\$1,817,071	\$0	\$0	\$18,032,233	\$0	
		PROJECT: Muddy River - Cooper to Yamashita														
		Design/Admin	MRLV 0395, 0423, 0424, 0442, 0443, 0458, 0459, 0507, 0508		\$2,083,490	\$15,010,516	\$1,275,096			\$902,095						
		Right-of-way			\$1,526,610											
		Construction			\$10,417,450				\$11,276,183							
	PROJECT: Ryan Avenue to Lewis															
	Design/Admin	MRLV 0184, 0198, 0240, 0268, 0276		\$2,663,070	\$19,849,304						\$1,817,071			\$1,323,708		
	Right-of-way			\$0												
	Construction			\$13,315,310							\$16,708,524					
	SYSTEM: Mount Charleston		\$24,198	\$1,587,384	\$1,739,951	\$0	\$0	\$0	\$0	\$0	\$159,281	\$0	\$0	\$1,580,670	\$0	
		PROJECT: Rainbow Canyon Boulevard Bridge														
		Design/Admin	MTCH 0001		\$233,439	\$1,739,951						\$159,281			\$116,033	
		Right-of-way			\$186,751											
		Construction			\$1,167,194							\$1,464,637				
SYSTEM: Laughlin		\$45,336,505	\$103,177,772	\$18,050,160	\$210,746	\$0	\$1,232,097	\$2,012,806	\$244,828	\$11,990,829	\$2,358,855	\$0	\$0	\$0		
	PROJECT: Bridge Canyon Detention Basin															
	Design/Admin	LUHS 0415, 0416 , 0417		\$1,935,054	\$13,222,926			\$1,232,097			\$880,220					
	Right-of-way			\$1,548,043												
	Construction			\$9,675,262				\$11,110,609								
PROJECT: Hiko Detention Basin Expansion																
Design/Admin	LUHS 0244		\$344,356	\$2,223,552	\$210,746				\$149,097							
Right-of-way			\$275,485													
Construction			\$1,721,779				\$1,863,709									
PROJECT: Laughlin Marina to Desert Marina Drive																
Design/Admin	LUMA 0000,0001, 0013, 0014		\$369,580	\$2,603,683					\$244,828		\$173,158					
Right-of-way			\$295,665													
Construction			\$1,847,896						\$2,185,697							
SYSTEM: Searchlight		\$3,608,566	\$6,697,676	\$7,727,983	\$5,857,039	\$0	\$0	\$0	\$0	\$171,273	\$0	\$0	\$1,699,671	\$0	\$0	
	PROJECT: Searchlight - West - State Hwy 164															
	Design/Admin	SRWE 0001, 0002, 0003, 0005, & 0023	Design Started 19/20	\$700,263	\$5,857,039	\$285,707										
	Right-of-way		SEA02B19	\$560,211												
	Construction		Eng. Est.	\$3,501,306		\$5,571,332										
PROJECT: Searchlight - West																
Design/Admin	SRWE 0049, 0068, 0091		\$258,545	\$1,870,944					\$171,273				\$124,770			
Right-of-way			\$206,836													
Construction			\$1,292,718							\$1,574,901						
SYSTEM: Bunkerville		\$10,212,354	\$2,958,606	\$2,278,462	\$0	\$2,278,462	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	PROJECT: Windmill Wash Detention Basin and Jess Waite Levee Facilities															
	Design/Admin	JEWA 0166, 0168	Design Started 10/11	\$81,912	\$2,278,462		\$36,165									
	Right-of-way		BUN01D11	\$0												
	Construction			\$2,031,507			\$2,242,297									

EXHIBIT C

CITY OF BOULDER CITY
10-YEAR CONSTRUCTION PROGRAM
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2021 THRU 6/2026					SECOND FIVE YEARS 7/2026 THRU 6/2031						
	Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 21/22	(Year 2) FY 22/23	(Year 3) FY 23/24	(Year 4) FY 24/25	(Year 5) FY 25/26	(Year 6) FY 26/27	(Year 7) FY 27/28	(Year 8) FY 28/29	(Year 9) FY 29/30	(Year 10) FY 30/31		
TOTAL PLAN				Annual Resources	\$863,582,254	\$60,561,141	\$46,537,246	\$143,443,336	\$46,475,104	\$49,713,132	\$146,188,169	\$48,929,232	\$51,665,770	\$148,312,121	\$46,163,059	
Unencumbered from previous year		\$75,593,943	Cumulative Available Resources	\$798,310,606	\$33,525,693	\$30,531,817	\$40,688,522	\$33,576,945	\$19,747,077	\$68,197,785	\$80,423,305	\$54,650,473	\$54,455,238	\$65,271,649		
ENTITY RESOURCES				Annual Resources	\$11,820,972	\$147,309	\$746,824	\$2,301,961	\$745,827	\$797,790	\$2,346,010	\$785,210	\$829,126	\$2,380,095	\$740,819	
Unencumbered from previous year		(\$824,569)	Cumulative Available Resources		\$147,309	\$419,018	\$2,690,181	\$3,436,008	(\$594,559)	\$1,342,500	\$2,127,711	\$482,191	\$1,778,402	\$2,519,221		
ENTITY TOTAL			\$70,034,560	\$37,286,080	\$9,301,752	\$0	\$475,115	\$30,798	\$0	\$4,828,357	\$408,951	\$0	\$2,474,645	\$1,083,885	\$0	
HYDROGRAPHIC BASIN: Boulder City			\$70,034,560	\$37,286,080	\$9,301,752	\$0	\$475,115	\$30,798	\$0	\$4,828,357	\$408,951	\$0	\$2,474,645	\$1,083,885	\$0	
SYSTEM: Georgia/Buchanan			\$17,476,410	\$9,512,310	\$8,971,222	\$0	\$475,115	\$0	\$0	\$4,828,357	\$109,219	\$0	\$2,474,645	\$1,083,885	\$0	
	PROJECT: Avenue I Storm Drain															
	Design/Admin	GBGR 0189, 0204, 0216, 0218, 0302		\$761,110	\$5,054,107		\$475,115			\$336,131						
	Right-of-way			\$0												
	Construction			\$3,805,580				\$4,242,861								
	PROJECT: Georgia Buchanan Confluence Facilities															
	Design/Admin	GBGR 0003, GBBC 0020		\$376,430	\$2,724,011					\$249,365			\$181,659			
	Right-of-way			\$0												
	Construction			\$1,882,140						\$2,292,987						
	PROJECT: Georgia Avenue Facilities - Vaquero Drive Bridge															
	Design/Admin	GBGR 0099		\$160,070	\$1,193,104						\$109,219			\$79,565		
	Right-of-way			\$0												
	Construction			\$800,360							\$1,004,320					
	SYSTEM: North Railroad			\$18,856,160	\$290,230	\$330,530	\$0	\$0	\$30,798	\$0	\$0	\$299,732	\$0	\$0	\$0	\$0
		PROJECT: Wells Drive Levee Lining														
		Design/Admin	NRIN 0088		\$48,370	\$330,530			\$30,798			\$22,003				
		Right-of-way			\$0											
		Construction			\$241,850						\$277,729					

EXHIBIT C

CITY OF MESQUITE
10-YEAR CONSTRUCTION PROGRAM
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2021 THRU 6/2026					SECOND FIVE YEARS 7/2026 THRU 6/2031						
		Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 21/22	(Year 2) FY 22/23	(Year 3) FY 23/24	(Year 4) FY 24/25	(Year 5) FY 25/26	(Year 6) FY 26/27	(Year 7) FY 27/28	(Year 8) FY 28/29	(Year 9) FY 29/30	(Year 10) FY 30/31	
TOTAL PLAN					Annual Resources	\$863,582,254	\$60,561,141	\$46,537,246	\$143,443,336	\$46,475,104	\$49,713,132	\$146,188,169	\$48,929,232	\$51,665,770	\$148,312,121	\$46,163,059
Unencumbered from previous year		\$75,593,943	Cumulative Available Resources		\$798,310,606	\$33,525,693	\$30,531,817	\$40,688,522	\$33,576,945	\$19,747,077	\$68,197,785	\$80,423,305	\$54,650,473	\$54,455,238	\$65,271,649	
ENTITY RESOURCES					Annual Resources	\$34,074,256	\$13,776,345	\$1,298,561	\$4,002,600	\$1,296,827	\$1,387,180	\$4,079,191	\$1,365,307	\$1,441,666	\$4,138,457	\$1,288,120
Unencumbered from previous year		\$12,086,465	Cumulative Available Resources			\$5,610,095	\$6,908,656	\$2,351,256	\$3,033,835	\$4,421,015	\$8,422,375	\$1,346,008	\$2,787,674	\$5,669,173	\$6,957,293	
ENTITY TOTAL			\$73,204,520	\$64,832,221	\$27,116,963	\$8,166,251	\$0	\$8,560,000	\$614,249	\$0	\$77,831	\$8,441,674	\$0	\$1,256,958	\$0	
HYDROGRAPHIC BASIN: Mesquite			\$73,204,520	\$64,832,221	\$27,116,963	\$8,166,251	\$0	\$8,560,000	\$614,249	\$0	\$77,831	\$8,441,674	\$0	\$1,256,958	\$0	
SYSTEM: Town Wash			\$31,271,987	\$20,342,184	\$17,222,174	\$8,166,251	\$0	\$0	\$614,249	\$0	\$0	\$8,441,674	\$0	\$0	\$0	
PROJECT: Town Wash - Mesa Boulevard, El Dorado to Town Wash																
Design/Admin		TWMB 0000 thru 0044, TOWA 0120	Design started 17/18	\$623,347	\$8,166,251	\$534,241										
Right-of-Way			MES01E17	\$454,532												
Construction			Eng Cost Est	\$4,456,929		\$7,632,010										
PROJECT: Town Wash Mesa Boulevard, El Dorado to Chaparral																
Design/Admin		TWMB 0052, 0084, 0094		\$891,493	\$9,055,923				\$614,249			\$443,127				
Right-of-way				\$713,195												
Construction				\$6,374,180						\$7,998,547						
SYSTEM: Virgin River			\$0	\$20,376,880	\$9,894,789	\$0	\$0	\$8,560,000	\$0	\$0	\$77,831	\$0	\$0	\$1,256,958	\$0	
PROJECT: Virgin River Flood Wall																
Design/Admin		VREC 0000	Design started 15/16	\$78,530	\$8,560,000			\$560,000								
Right-of-way			MES04A15	\$62,823												
Construction			Eng Cost Est	\$465,287				\$8,000,000								
PROJECT: Virgin River Erosion Protection, Phase I																
Design/Admin		VREC 0203, 0323, 0508, 0519		\$107,520	\$1,334,789						\$77,831			\$56,699		
Right-of-way				\$926,240												
Construction				\$901,600										\$1,200,260		

EXHIBIT D

**EXHIBIT D
FISCAL YEAR 2021 - 2022
PROJECT LIST**

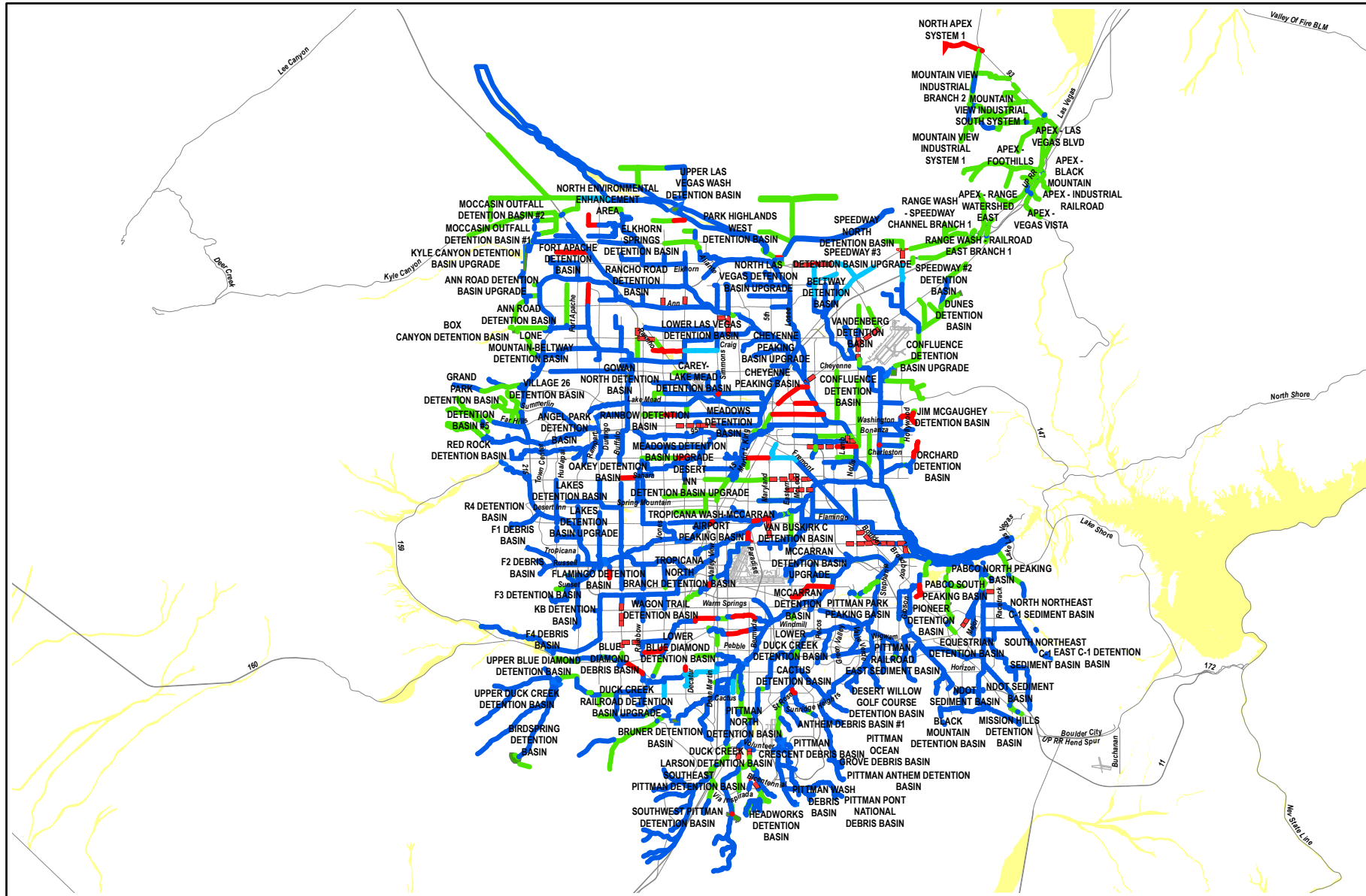
		(Year 1) FY 21/22	(Year 2) FY 22/23	(Year 3) FY 23/24
CITY OF HENDERSON	TOTAL ELIGIBLE YEAR 1	\$8,245,085		
	ENTITY TOTAL	\$0	\$0	\$8,245,085
HYDROGRAPHIC BASIN: PITTMAN		\$0	\$0	\$8,245,085
SYSTEM: Pittman Burns		\$0	\$0	\$7,081,148
	PROJECT: Pittman Sunset, Burns to Foster			
	Design/Admin			\$416,095
	Construction	PTBH 0000, 0014, 0015, PTSU 0034, 0037, 0067, 0069		\$5,201,193
	PROJECT: Galleria to Sunset			
	Construction	PTSU 0000, 0008, 0023, 0028, 0032		\$1,463,860
SYSTEM: Pittman Beltway		\$0	\$0	\$1,163,937
	PROJECT: Pittman Anthem Parkway Channel, Siena Heights to Horizon Ridge			
	Design/Admin			\$86,217
	Construction	PTAP 0018		\$1,077,720
CITY OF LAS VEGAS	TOTAL ELIGIBLE YEAR 1	\$76,697,693		
	ENTITY TOTAL	\$13,237,809	\$18,700,566	\$44,759,318
HYDROGRAPHIC BASIN: CENTRAL		\$3,434,051	\$0	\$38,702,207
SYSTEM: LV Wash I-15 Tributary		\$555,166	\$0	\$3,323,245
	PROJECT: Lake Mead - Carey - Lake Mead Detention Basin Outfall			
	Design/Admin	LVLM 0221	\$8,482	
	Construction		\$546,684	
	PROJECT: Owens Avenue System - Vegas Storm Drain, Shadow Mountain to Jones			
	Design/Admin	LVOW 0360		\$246,166
	Construction			\$3,077,079
SYSTEM: LV Wash Central		\$2,878,885	\$0	\$27,994,303
	PROJECT: Meadows - Charleston Storm Drain, Essex to Lindell			
	Design/Admin	MECN 0000, 0061		\$578,223
	Construction			\$15,400,000
	PROJECT: Las Vegas Wash - Stewart, Las Vegas Wash to Lamb			
	Design/Admin	LVST 0000		\$720,819
	Construction			\$9,010,261
	PROJECT: Meadows Detention Basin Upgrade			
	Design/Admin	LCME 0018, 0021		\$250,000
	Construction			\$2,035,000
	PROJECT: Owens Avenue East - LV Wash to Eastern			
	Design/Admin	LVOE 0000, 0085	\$2,332,191	
	Construction			
	PROJECT: Meadows/Charleston-Via Olivero, Montessori to Buffalo			
	Design/Admin	MECH 0424	\$546,693	
	Construction			
SYSTEM: Sahara Boulder Highway		\$0	\$0	\$7,384,660
	PROJECT: Flamingo - Boulder Hwy. North, Charleston - Main to Maryland			
	Design/Admin	FLBN 0281, 0312		\$547,010
	Construction			\$6,837,650
HYDROGRAPHIC BASIN: GOWAN		\$9,803,758	\$10,296,381	\$0
SYSTEM: Gowan North		\$9,803,758	\$10,296,381	\$0
	PROJECT: Gowan Outfall - El Capitan Branch, Ann Road to Centennial			
	Design/Admin	GOEC 0100, 0126, 0152, 0176	\$641,367	
	Construction		\$9,162,391	
	PROJECT: Gowan - Alexander Rd., Rancho to Decatur			
	Design/Admin	GOAL 0000, 0056	\$762,696	
	Construction		\$9,533,685	
HYDROGRAPHIC BASIN: UPPER NORTHERN LV WASH		\$0	\$8,404,185	\$6,057,110
SYSTEM: Upper Western Tributary		\$0	\$8,404,185	\$6,057,110
	PROJECT: Brent Drainage System - Durango to OHare			
	Design/Admin	BRDB 0107, 0157		\$622,534
	Construction			\$7,781,651
	PROJECT: Centennial Pkwy Channel West - Farm Rd - Oso Blanca to Tee Pee			
	Design/Admin	CNFR 0000		\$448,675
	Construction			\$5,608,435
CITY OF NORTH LAS VEGAS	TOTAL ELIGIBLE YEAR 1	\$46,169,181		
	ENTITY TOTAL	\$7,869,196	\$14,836,631	\$23,463,354
HYDROGRAPHIC BASIN: LOWER NORTHERN LV WASH		\$7,069,196	\$7,897,167	\$5,000,000
SYSTEM: LV Wash Craig		\$658,922	\$0	\$5,000,000
	PROJECT: North Las Vegas Detention Basin Upgrade			
	Design/Admin	LVUP 0406	\$658,922	
	Construction			
	PROJECT: Las Vegas Wash - Iron Mountain, Bradley to Decatur			
	Design/Admin	IRMO 0000		\$400,000
	Construction			\$4,600,000
SYSTEM: Cheyenne Lamb Nellis		\$6,410,274	\$7,897,167	\$0
	PROJECT: Lake Mead Storm Drain, Las Vegas Wash to Civic Center			
	Design/Admin	LVLE 0000, 0047		\$584,975
	Construction			\$7,312,191
	PROJECT: Las Vegas Wash Cartier Channel			
	Design/Admin	LVCC 0000, 0030, 0035	\$474,837	
	Construction		\$5,935,437	
HYDROGRAPHIC BASIN: RANGE		\$800,000	\$6,939,465	\$18,463,354
SYSTEM: Lower Range		\$800,000	\$6,939,465	\$18,463,354
	PROJECT: Orchard Collector - Charleston to Linden			
	Design/Admin	SLOR 0158		\$453,984
	Construction			\$6,485,481
	PROJECT: Jim McGaughey Detention Basin & Outfall			
	Design/Admin	SLWA 0130 thru 0175 & SLOW 0000, 0005		\$1,207,883
	Right-of-way		\$800,000	
	Construction			\$17,255,471

**EXHIBIT D
FISCAL YEAR 2021 - 2022
PROJECT LIST**

		(Year 1) FY 21/22	(Year 2) FY 22/23	(Year 3) FY 23/24
CLARK COUNTY	TOTAL ELIGIBLE YEAR 1	\$124,274,609		
	ENTITY TOTAL	\$73,356,135	\$12,838,788	\$38,079,685
HYDROGRAPHIC BASIN: Tropicana/ Flamingo		\$37,521,033	\$10,560,327	\$3,039,194
SYSTEM: Tropicana Flamingo Project		\$324,574	\$0	\$3,039,194
PROJECT: Flamingo - Cimarron Branch				
Design/Admin	FLCM 0003	\$324,574		\$225,125
Construction				\$2,814,069
SYSTEM: Lower Flamingo		\$37,196,459	\$3,789,898	\$0
PROJECT: Flamingo Wash, Maryland to Palos Verde				
Design/Admin	FLWA 0621 & 0673	\$354,816		
Construction		\$5,068,800		
PROJECT: Airport Channel - Naples Channel and Peaking Basin				
Design/Admin	TRMC 0013, 0014, 0031, 0033	\$1,960,000		
Construction		\$28,000,000		
PROJECT: Flamingo Wash - Industrial Rd. to Hotel Rio Dr.				
Design/Admin	FLWA 0893 & 0896	\$100,000		
Construction		\$1,300,000		
PROJECT: Vanbuskirk - Tropicana, Maryland Pkwy to University Center				
Design/Admin	VBTM 0175	\$412,843	\$280,733	
Construction			\$3,509,165	
SYSTEM: Lower LV Wash Tributaries		\$0	\$6,770,428	\$0
PROJECT: Las Vegas Wash - Branch 02 - Jimmy Durante to Boulder Hwy				
Design/Admin	LV02 0209, 0273, 0282, 0294		\$279,293	
Construction			\$6,491,135	
HYDROGRAPHIC BASIN: Duck Creek/ Blue Diamond		\$24,010,228	\$0	\$35,040,492
SYSTEM: Blue Diamond Tributaries		\$18,270,774	\$0	\$7,700,333
PROJECT: Blue Diamond Wash - Arville to I-15				
Design/Admin	BDWA 0276	\$510,952		
Construction		\$7,299,311		
PROJECT: Duck Cr. / Blue Diamond, Bermuda to Las Vegas Blvd.				
Design/Admin	DCBD 0075, 0082 & 0084	\$404,483		
Construction		\$10,056,028		
PROJECT: Blue Diamond Channel, Amigo to Haven				
Design/Admin	BDWA 0087, 0111, 0113, 0137, 0139, 0174, 0175			\$570,395
Construction				\$7,129,938
SYSTEM: Upper Duck Creek		\$3,500,000	\$0	\$6,370,831
PROJECT: Blue Diamond Channel 02, Decatur - Le Baron to Richmar - Phase 2				
Design/Admin	BD02 0330, 0334	\$500,000		
Construction		\$3,000,000		
PROJECT: Blue Diamond Railroad Channel				
Design/Admin	BDW5 0026, BDW2 0000			\$471,915
Construction				\$5,898,916
SYSTEM: Lower Duck Creek		\$2,239,455	\$0	\$20,969,328
PROJECT: Duck Creek, Sunset Park				
Design/Admin	DCSP 0000, 0115	\$2,239,455		\$1,553,286
Construction				\$19,416,042
HYDROGRAPHIC BASIN: Outlying Areas		\$11,824,874	\$2,278,462	\$0
SYSTEM: Goodsprings		\$2,924,850	\$0	\$0
PROJECT: Goodsprings - Phase I				
Design/Admin	GSPA 0000, 0018, 0019, 0027 & 0029	\$188,700		
Right-of-way		\$377,402		
Construction		\$2,358,748		
SYSTEM: Muddy River & Tributaries		\$2,832,238	\$0	\$0
PROJECT: Muddy River - Cooper to Yamashita				
Design/Admin	MRLV 0395, 0423, 0424, 0442, 0443, 0458, 0459, 0507, 0508	\$1,275,096		
Right-of-way		\$1,557,142		
SYSTEM: Laughlin		\$210,746	\$0	\$0
PROJECT: Hiko Detention Basin Expansion				
Design/Admin	LUHS 0244	\$210,746		
SYSTEM: Searchlight		\$5,857,039	\$0	\$0
PROJECT: Searchlight - West - State Hwy 164				
Design/Admin	SRWE 0001, 0002, 0005, & 0023	\$285,707		
Construction		\$5,571,332		
SYSTEM: Bunkerville		\$0	\$2,278,462	\$0
PROJECT: Windmill Wash Detention Basin and Jess Waite Levee Facilities				
Design/Admin	JEWA 0166, 0168		\$36,165	
Construction			\$2,242,297	
CITY OF MESQUITE	TOTAL ELIGIBLE YEAR 1	\$16,726,251		
	ENTITY TOTAL	\$8,166,251	\$0	\$8,560,000
HYDROGRAPHIC BASIN: Mesquite		\$8,166,251	\$0	\$8,560,000
SYSTEM: Town Wash		\$8,166,251	\$0	\$0
PROJECT: Town Wash - Mesa Boulevard, El Dorado to Town Wash				
Design/Admin	TWMB 0000 thru 0044, &TOWA 0120	\$534,241		
Construction		\$7,632,010		
SYSTEM: Virgin River		\$0	\$0	\$8,560,000
PROJECT: Virgin River Flood Wall				
Design/Admin	VREC 0000			\$560,000
Construction				\$8,000,000

MAPS

TEN-YEAR CONSTRUCTION PROGRAM LAS VEGAS VALLEY



LEGEND

Conveyances

STATUS

- Completed
- Under Construction
- EF5
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

Detention Basins

STATUS

- Completed
- Under Construction
- EF5
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

100 Year Flood Zones

- 100-Year Flood Zone

1 inch = 6.8 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.

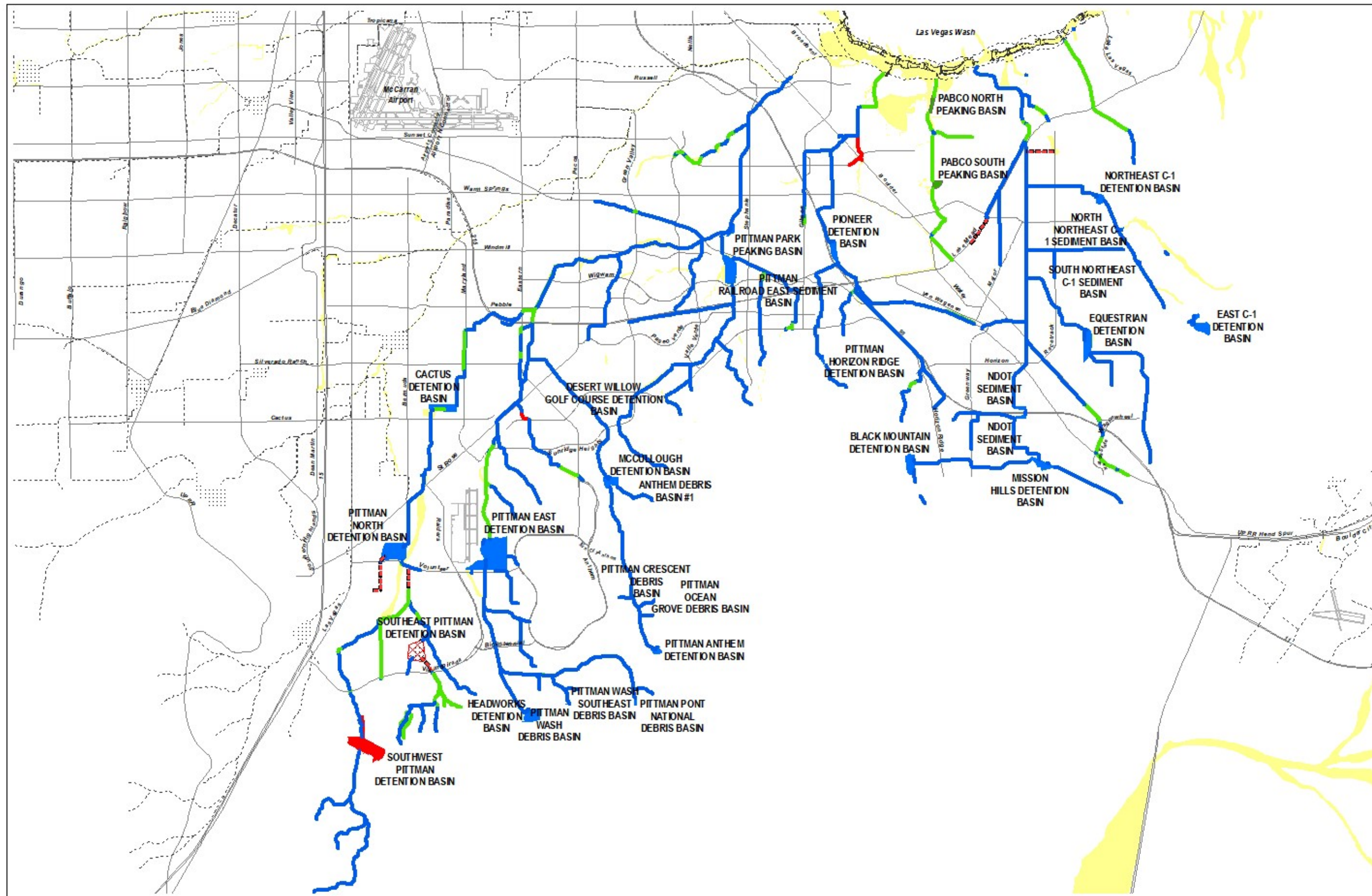
DATA SOURCES:
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT
CLARK COUNTY GISDB
FEMA

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 605 S. GRAND CENTRAL PARKWAY, SUITE 300, LAS VEGAS, NEVADA 89106-4511.

May 2021

REGIONAL FLOOD CONTROL DISTRICT

TEN-YEAR CONSTRUCTION PROGRAM PITTMAN WASH AND C-1 CHANNEL PLANNING AREA



LEGEND

Conveyances

STATUS

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

Detention Basins

STATUS

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

100 Year Flood Zones

- 100-Year Flood Zone

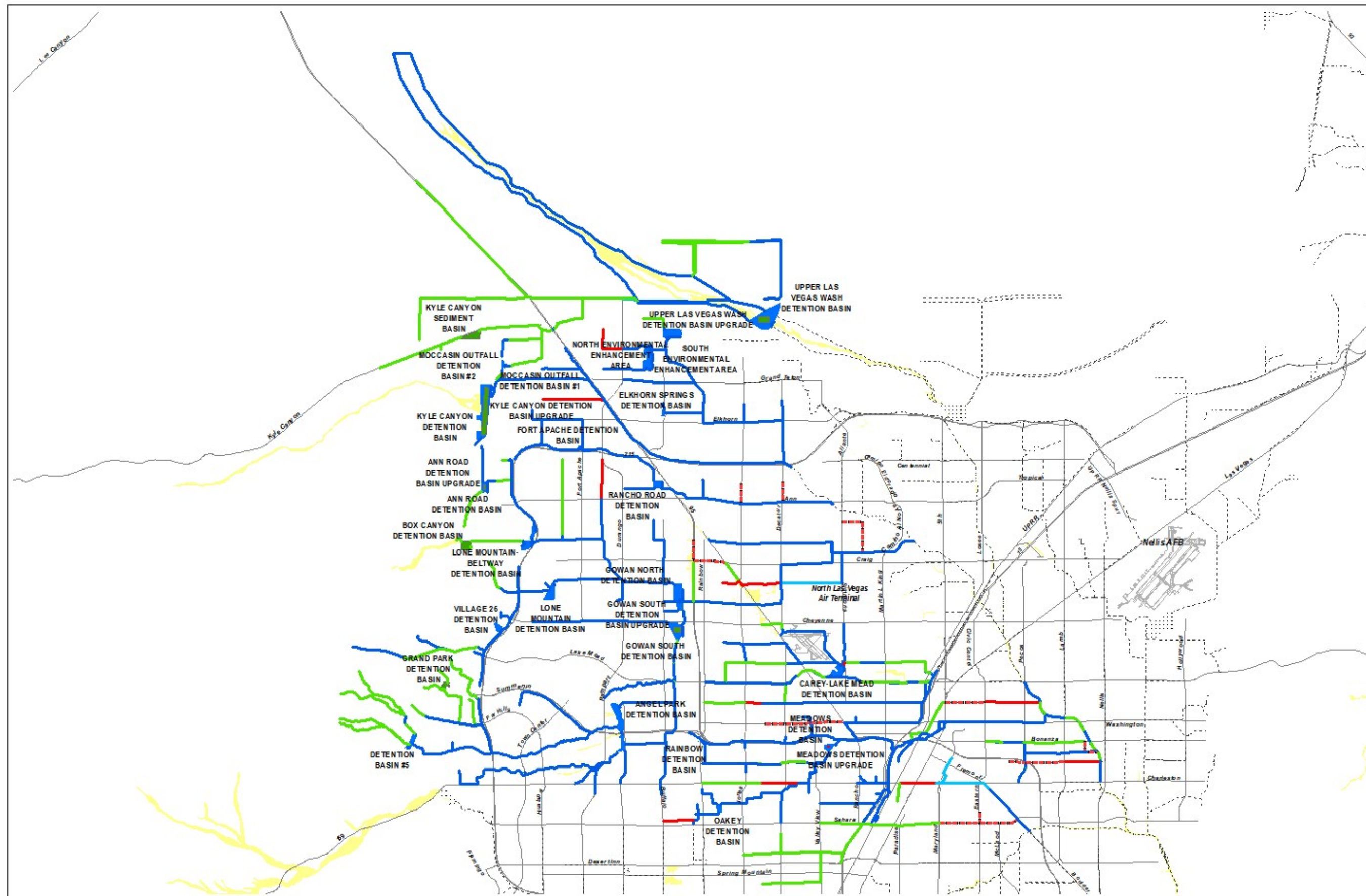
1 inch = 1.7 miles

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

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

FLOOD INSURANCE (FIRM) INFORMATION IS BASED ON DIGITAL FIRMS. NOT THE EFFECTIVE FIRM. ALL INFORMATION IS SUBJECT TO CHANGE. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA DEPICTED HEREON. ALL INQUIRIES INTO THE STATUS OF CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT FACILITIES SHOULD BE MADE TO THE DISTRICT OFFICE AT 464 S. GRAND CENTRAL PARKWAY, SUITE 200, LAS VEGAS, NEVADA 89166-4911.

TEN-YEAR CONSTRUCTION PROGRAM GOWAN, CENTRAL AND UPPER NORTHERN BASINS PLANNING AREA



LEGEND

Conveyances

STATUS

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

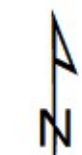
Detention Basins

STATUS

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

100 Year Flood Zones

- 100-Year Flood Zone



1 inch = 2.44 miles

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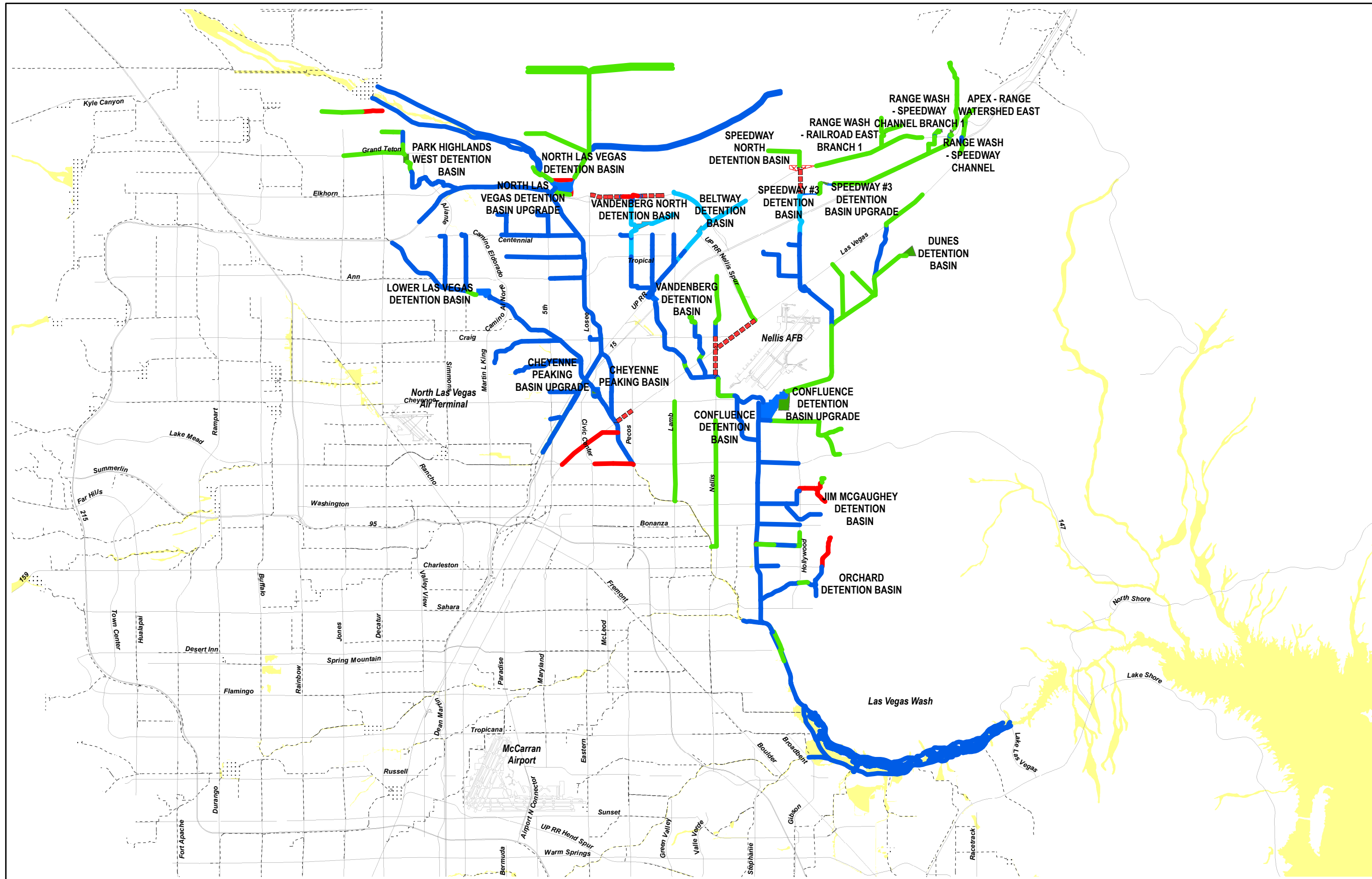
DATA SOURCES:
CLARK COUNTY REGIONAL FLOOD
CONTROL DISTRICT
CLARK COUNTY GISMG
FEMA

FLOOD INSURANCE FIRM INFORMATION:
FIRMALINE DESIGN FIRM, NOT THE
EFFECTIVE FIRM. ALL INFORMATION
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ACCURACY OF THE DATA DELINEATED
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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 PARKWAY,
SUITE 200, LAS VEGAS, NEVADA 89144-0200.

May 2021



TEN-YEAR CONSTRUCTION PROGRAM
LOWER NORTHERN, RANGE, AND LOWER LAS VEGAS WASH BASINS PLANNING AREA



LEGEND

Conveyances

STATUS

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

Detention Basins

STATUS

-  Completed
-  Under Construction
-  EFS
-  Proposed
-  Ten Year - 1st Five
-  Ten Year - 2nd Five

100 Year Flood Zones

- 100-Year Flood Zone



1 inch = 2.36 miles

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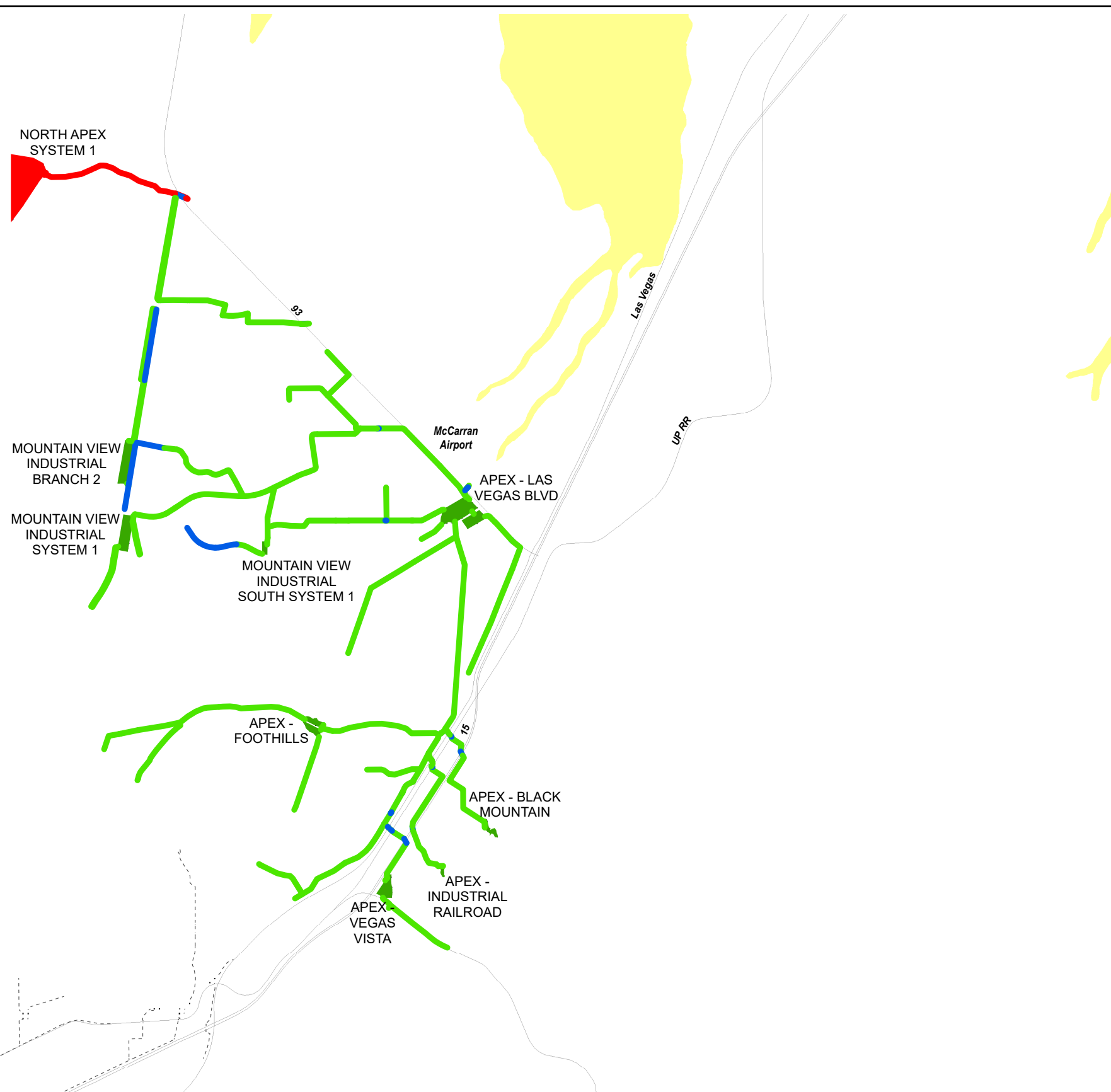
DATA SOURCES:
CLARK COUNTY REGIONAL FLOOD
CONTROL DISTRICT
CLARK COUNTY GISMO
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:
FEMA 2002 DIGITAL FIRM. NOT THE
EFFECTIVE FIRM. ALL INFORMATION
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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 2021

REGIONAL FLOOD
CONTROL DISTRICT

TEN-YEAR CONSTRUCTION PROGRAM APEX PLANNING AREA



LEGEND

Conveyances

STATUS

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

Detention Basins

STATUS

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

100 Year Flood Zones

- 100-Year Flood Zone



1 inch = 1.26 miles

THIS MAP IS FOR GRAPHIC USE ONLY
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ACCURACY OF THE DATA DELINEATED
HEREON.

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

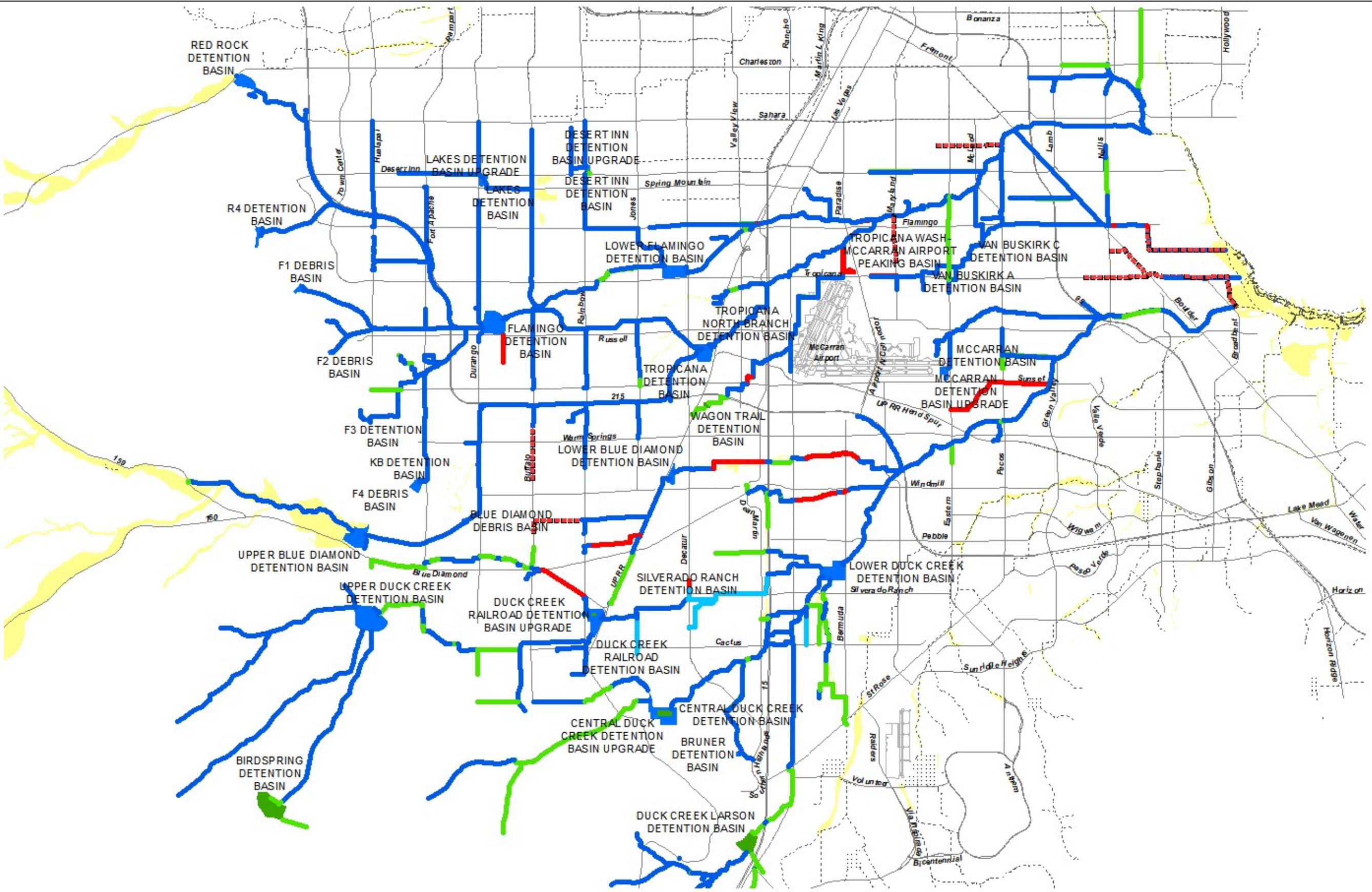
FLOOD INSURANCE (FIRM) INFORMATION:
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FLOOD CONTROL DISTRICT FACILITIES
SHOULD BE MADE TO THE DISTRICT
OFFICE AT 600 S. GRAND CENTRAL PKWY,
SUITE 300, LAS VEGAS, NEVADA 89106-4511.

May 2021



TEN-YEAR CONSTRUCTION PROGRAM

FLAMINGO, TROPICANA, DUCK CREEK, AND BLUE DIAMOND PLANNING AREA



LEGEND

Conveyances

STATUS

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

Detention Basins

STATUS

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

100 Year Flood Zones

- 100-Year Flood Zone

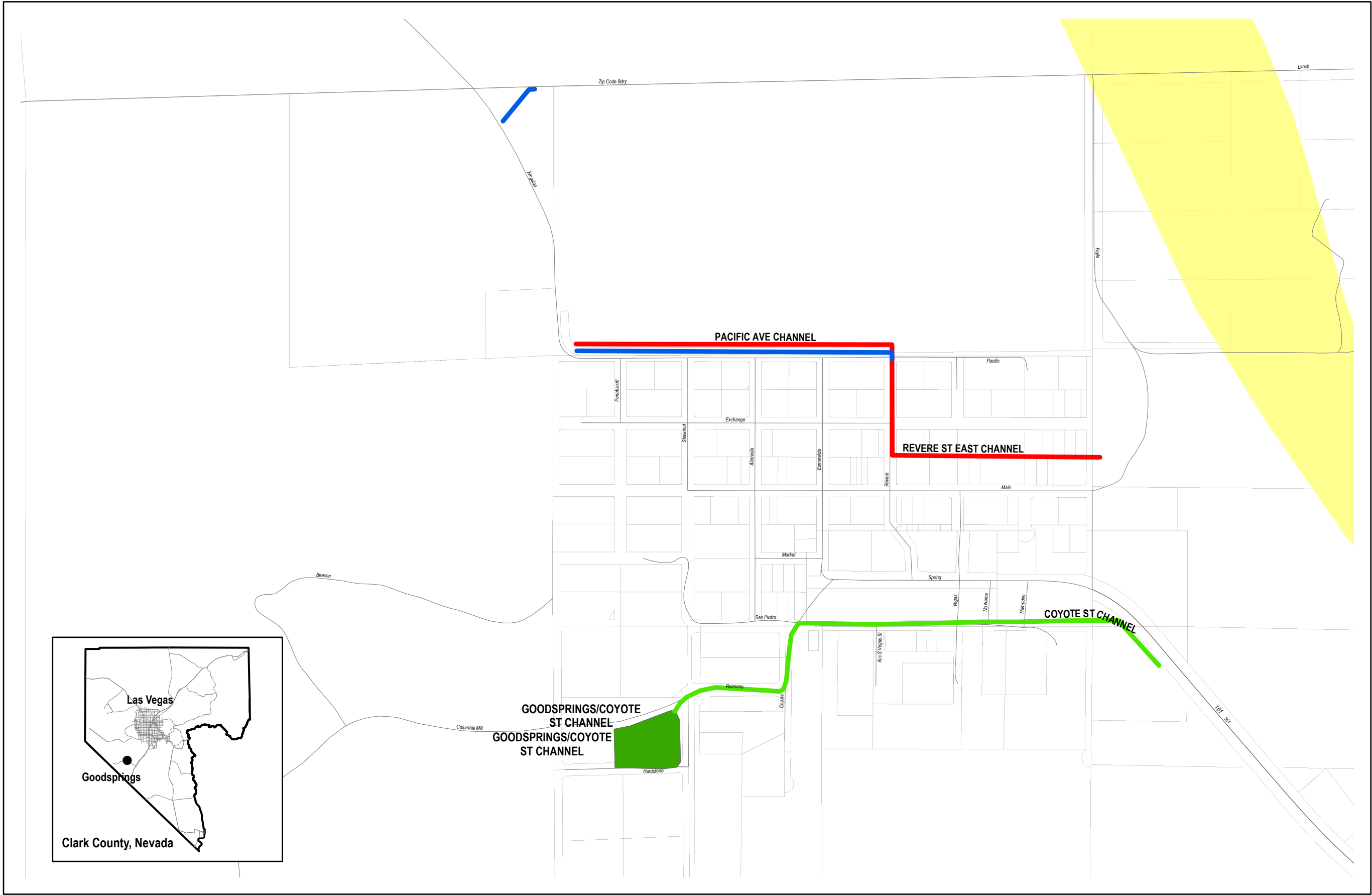
1 inch = 1.88 miles

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 REMAINS DIGITAL FROM. NOT THE EFFECTIVE FROM. 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 400 S. GRAND CENTRAL PKWY, SUITE 300, LAS VEGAS, NEVADA 89166-1001.

TEN-YEAR CONSTRUCTION PROGRAM GOODSPRINGS PLANNING AREA



LEGEND

Conveyances

STATUS

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

Detention Basins

STATUS

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

100 Year Flood Zones

- 100-Year Flood Zone



1 inch = 0.09 miles

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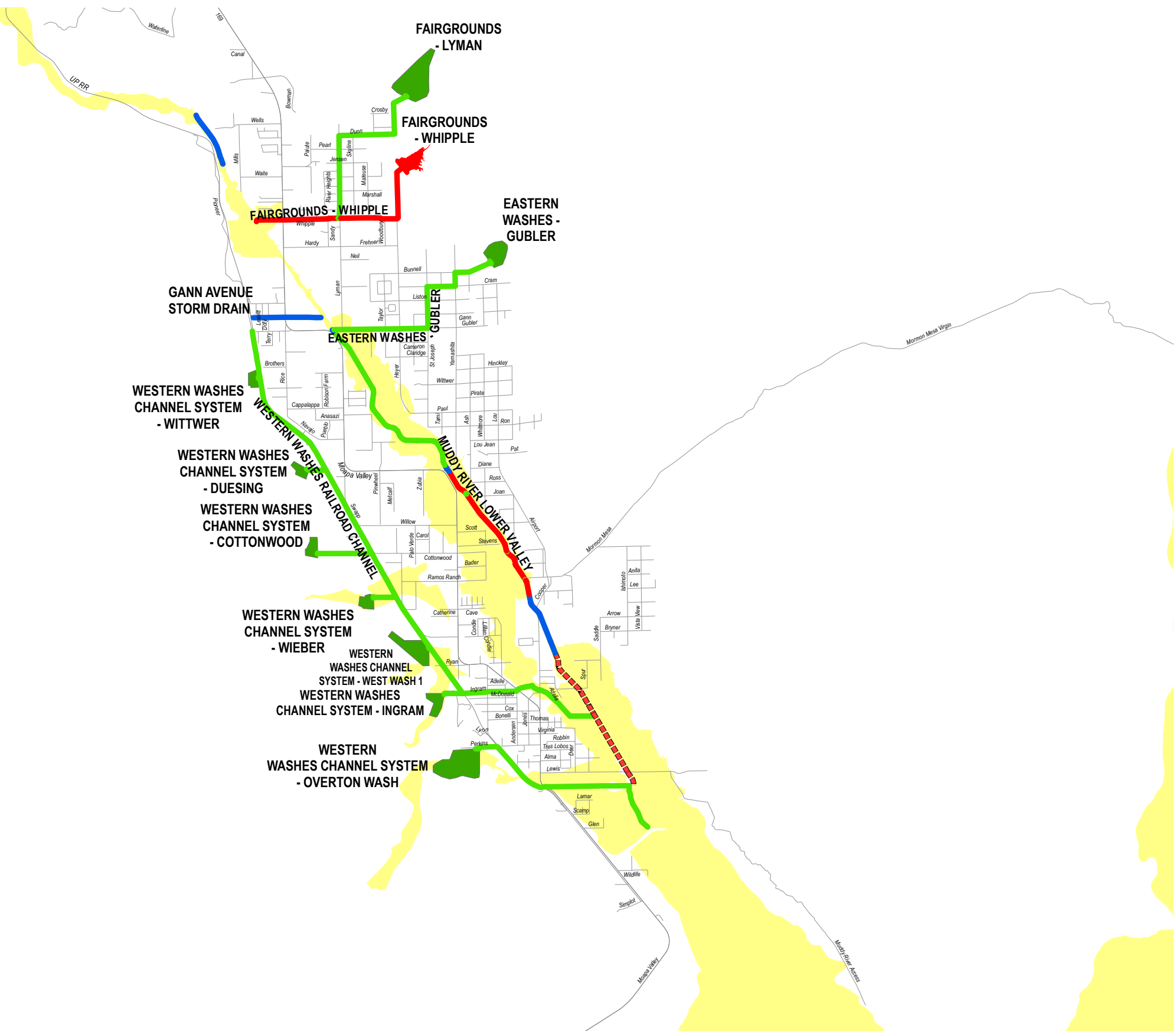
DATA SOURCES:
CLARK COUNTY REGIONAL FLOOD
CONTROL DISTRICT
CLARK COUNTY GISMO
FEMA

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

May 2021



TEN-YEAR CONSTRUCTION PROGRAM
MUDDY RIVER PLANNING AREA



LEGEND

Conveyances

STATUS

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

Detention Basins

STATUS

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

100 Year Flood Zones

- 100-Year Flood Zone



1 inch = 1.02 miles

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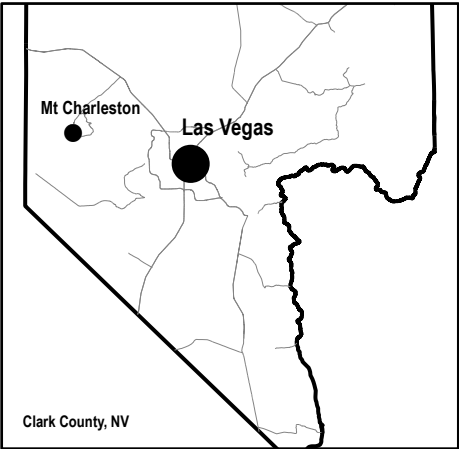
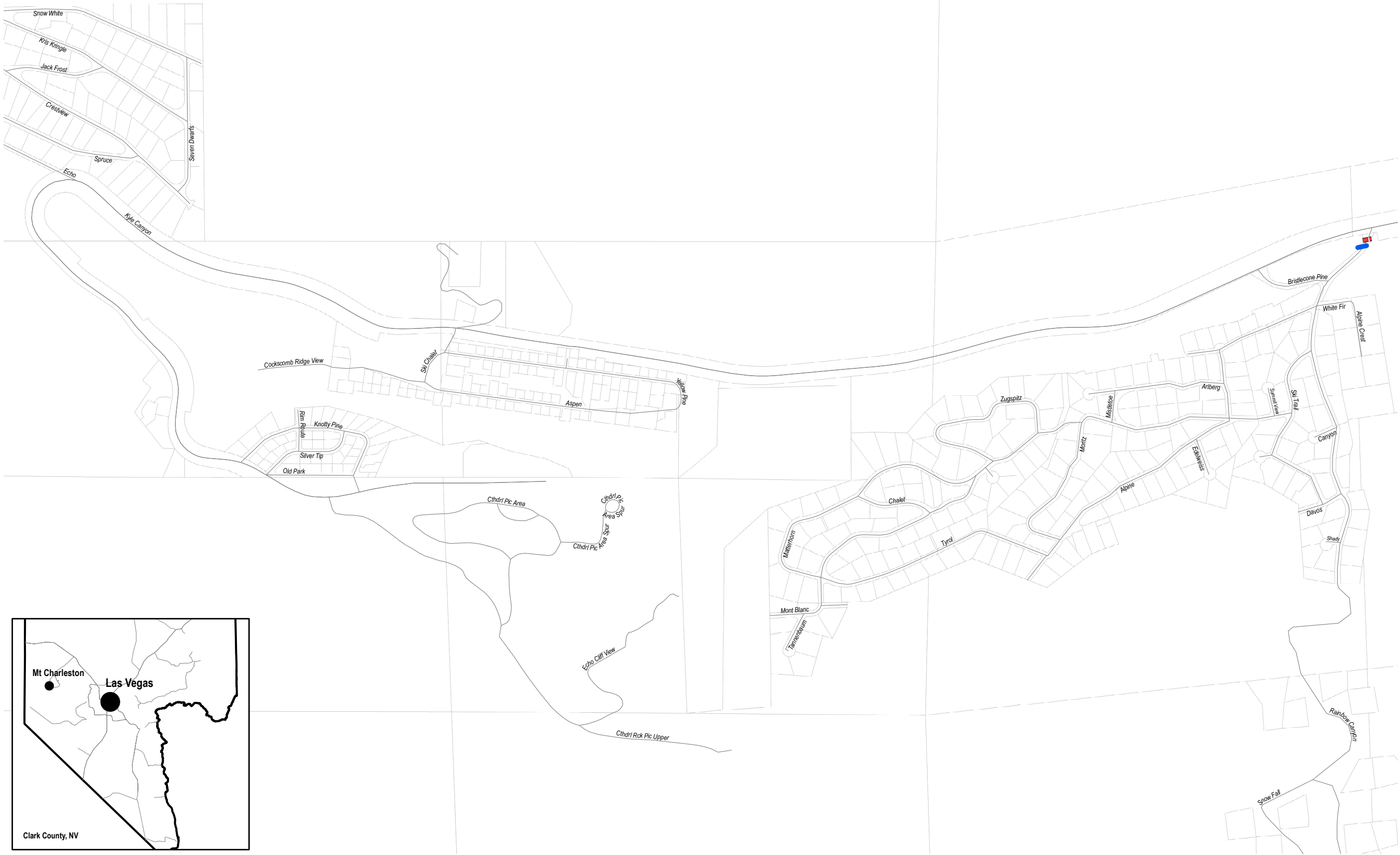
DATA SOURCES:
CLARK COUNTY REGIONAL FLOOD
CONTROL DISTRICT
CLARK COUNTY GISMO
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:
FEMA 2002 DIGITAL FIRM. NOT THE
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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 2021



TEN-YEAR CONSTRUCTION PROGRAM MT. CHARLESTON (OUTLYING) PLANNING AREA



Legend

Conveyances

STATUS

- Completed
- Under Construction
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

Detention Basins

STATUS

- Completed
- Under Construction
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

100 Year Flood Zones

- 100-Year Flood Zone



1 inch = 0.11 miles

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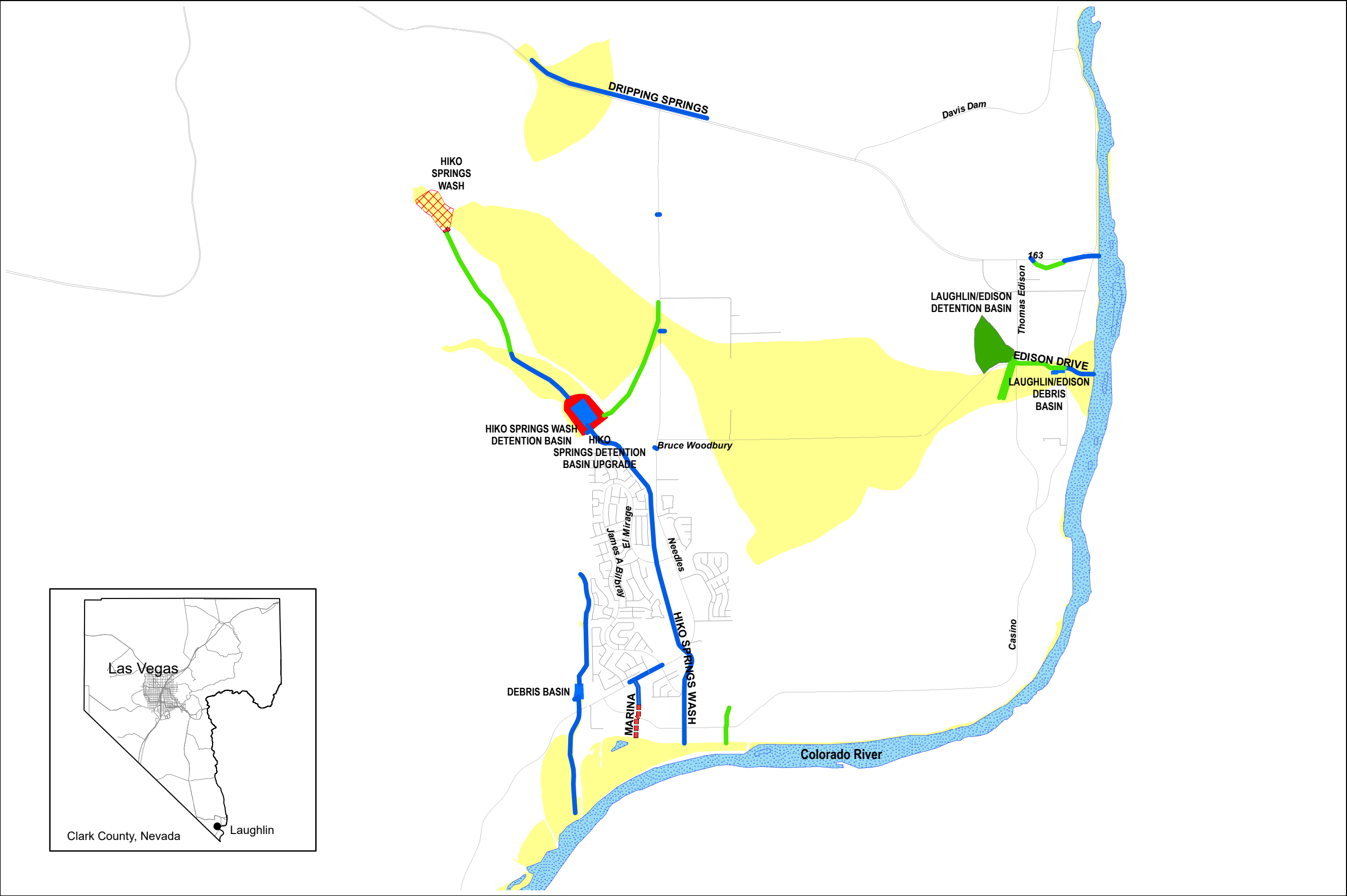
DATA SOURCES:
CLARK COUNTY REGIONAL FLOOD
CONTROL DISTRICT
CLARK COUNTY GISMO
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:
FEMA 2002 DIGITAL FIRM. NOT THE
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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 2021



TEN-YEAR CONSTRUCTION PROGRAM LAUGHLIN PLANNING AREA



LEGEND

Conveyances

STATUS

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

Detention Basins

STATUS

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

100 Year Flood Zones

- 100-Year Flood Zone



1 inch = 0.7 miles

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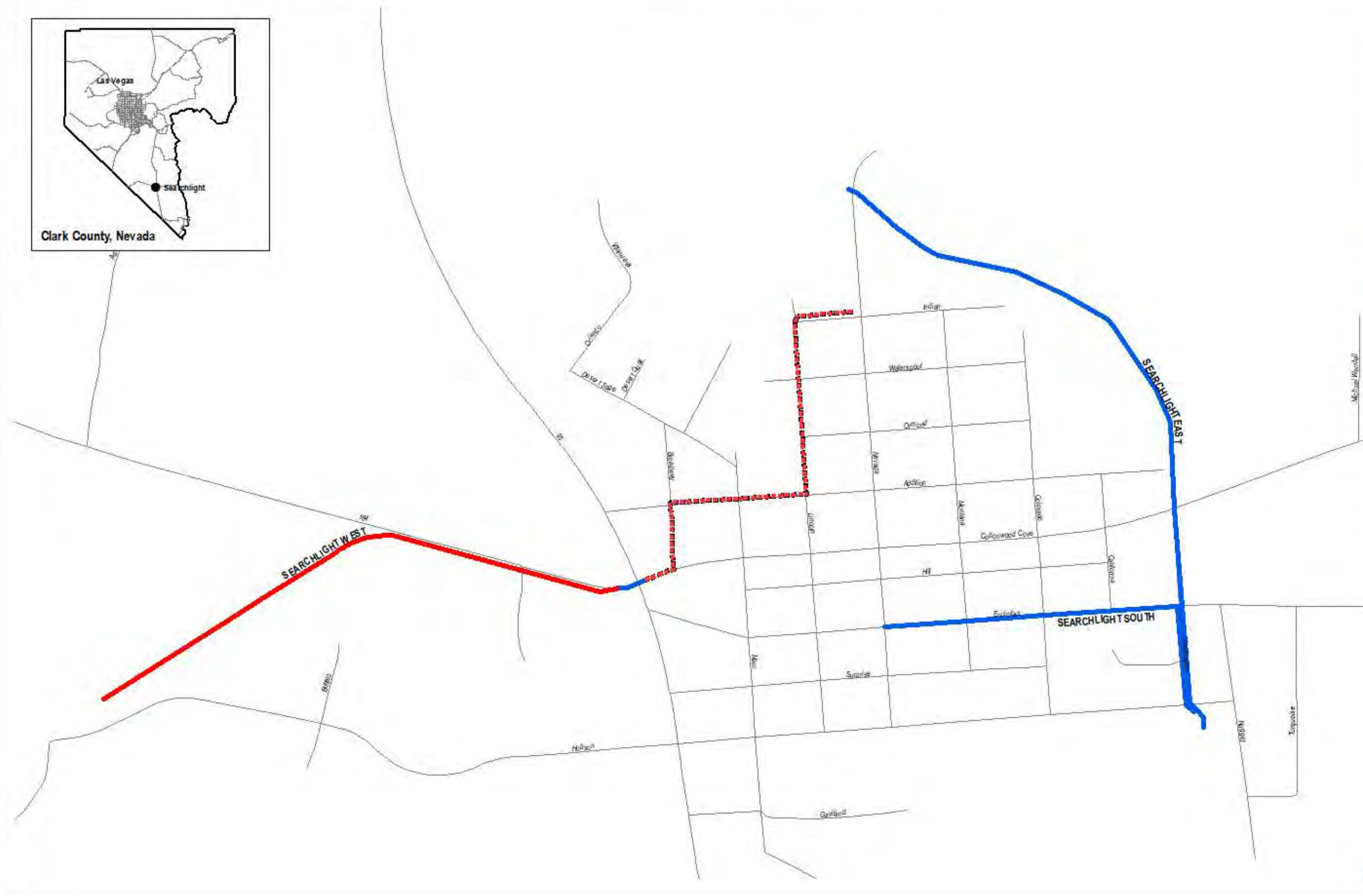
DATA SOURCES:
CLARK COUNTY REGIONAL FLOOD
CONTROL DISTRICT
CLARK COUNTY GISMO
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:
FEMA 2002 DIGITAL FIRM. NOT THE
EFFECTIVE FIRM. ALL INFORMATION
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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 2021



TEN-YEAR CONSTRUCTION PROGRAM
SEARCHLIGHT PLANNING AREA



LEGEND

Conveyances

STATUS

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

Detention Basins

STATUS

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

100 Year Flood Zones

- 100-Year Flood Zone



1 inch = 0.1 miles

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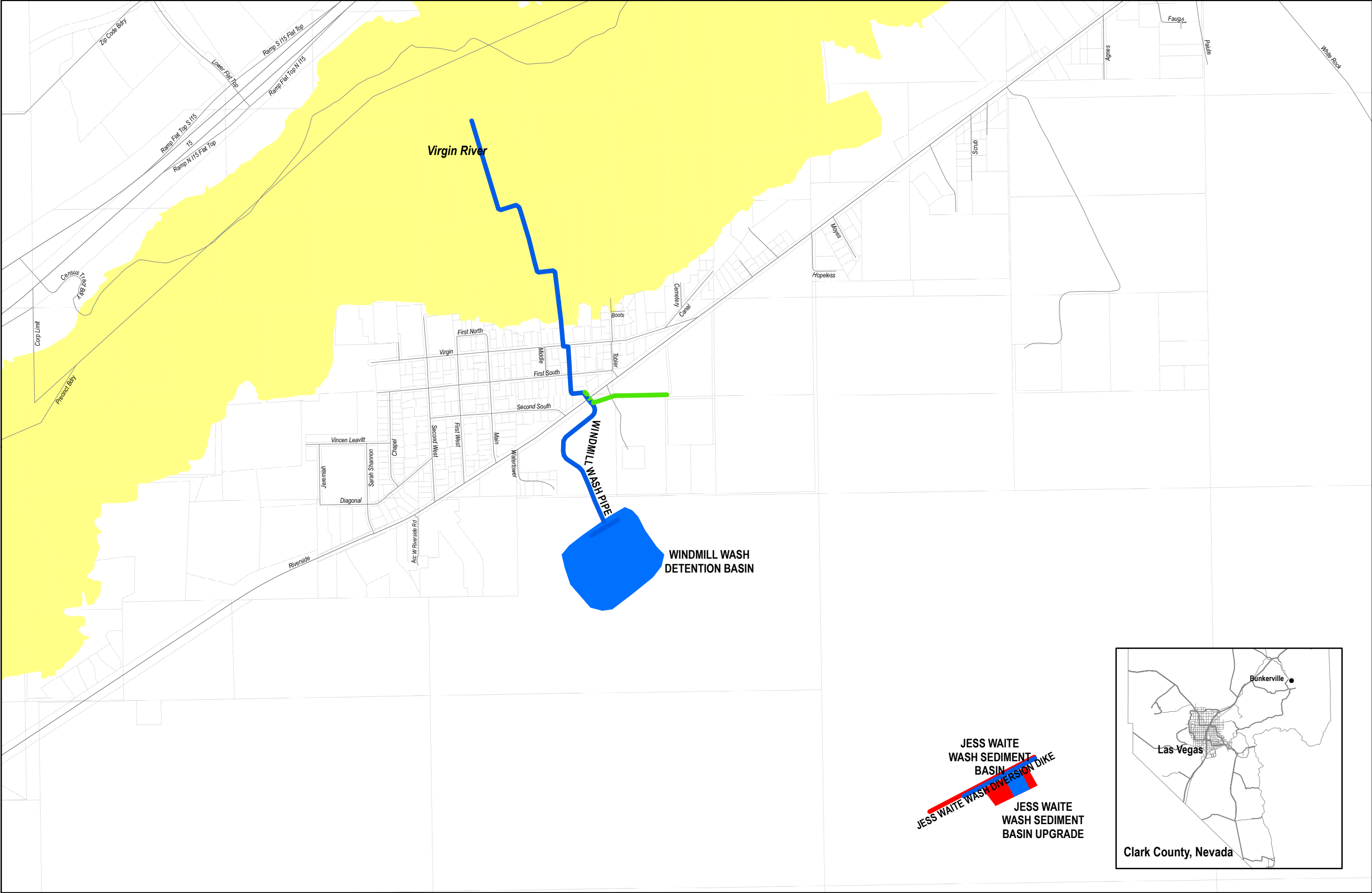
DATA SOURCES:
CLARK COUNTY REGIONAL FLOOD
CONTROL DISTRICT
CLARK COUNTY GIS
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:
FEMA 2005 DIGITAL FIRM, NOT THE
EFFECTIVE FIRM. ALL INFORMATION
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LIABILITY IS ASSUMED FOR THE
ACCURACY OF THE DATA DERIVED FROM
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FLOOD CONTROL DISTRICT FACILITIES
SHOWN AS OF THE DATE OF THE
OFFICIAL 2005 CLARK COUNTY FIRM.
SHEET 308, LAS VEGAS, NEVADA 89106-4001.

May 2021



TEN-YEAR CONSTRUCTION PROGRAM
BUNKERVILLE PLANNING AREA



Legend

Conveyances

STATUS

- Completed
- Under Construction
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

Detention Basins

STATUS

- Completed
- Under Construction
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

100 Year Flood Zones

- 100-Year Flood Zone



1 inch = 0.24 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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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.

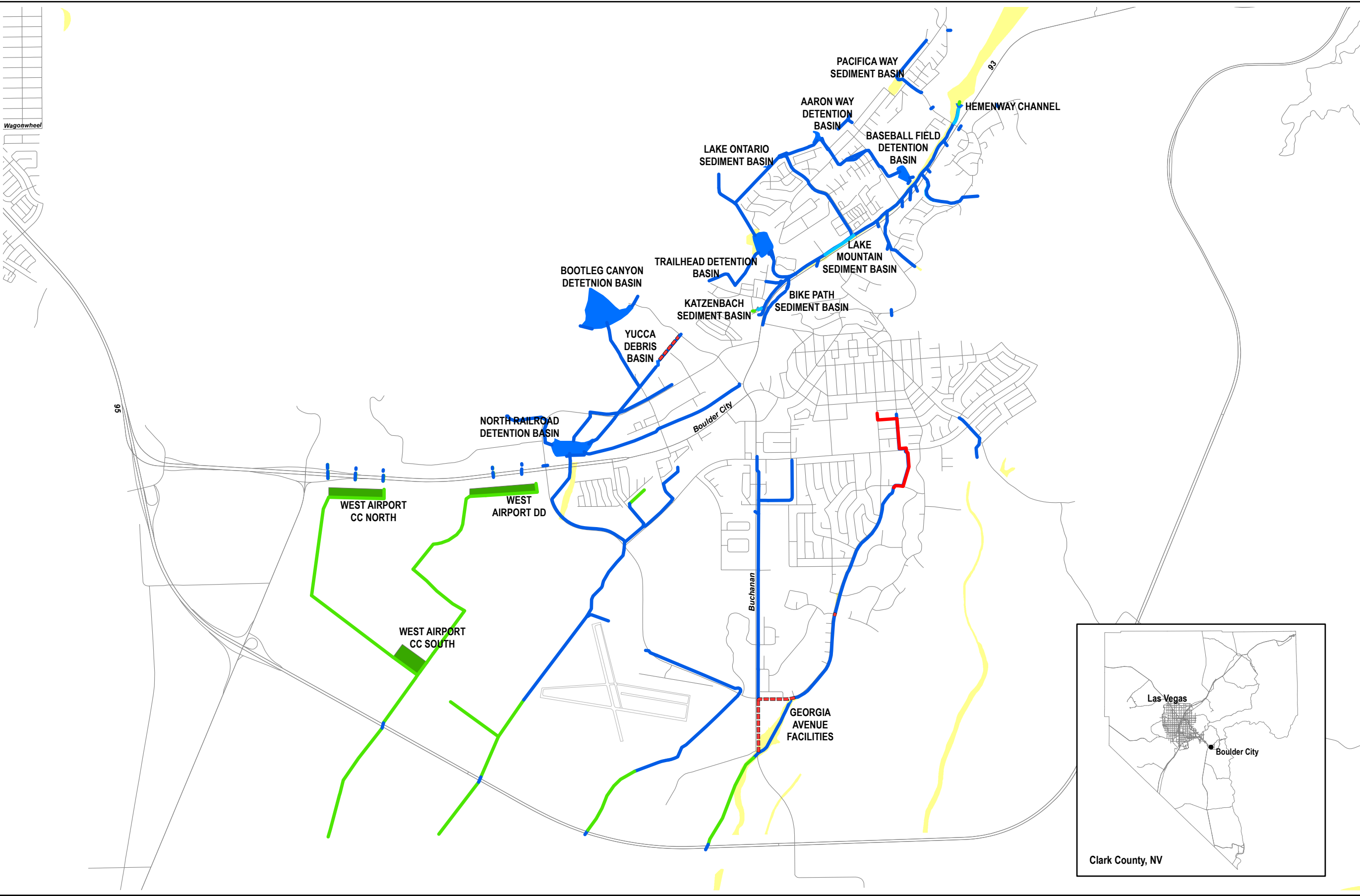
May 2021



JESS WAITE
WASH SEDIMENT
BASIN
JESS WAITE WASH DIVERSION DIKE
JESS WAITE
WASH SEDIMENT
BASIN UPGRADE



TEN-YEAR CONSTRUCTION PROGRAM BOULDER CITY PLANNING AREA



LEGEND

Conveyances

STATUS

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

Detention Basins

STATUS

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

100 Year Flood Zones

- 100-Year Flood Zone



1 inch = 0.6 miles

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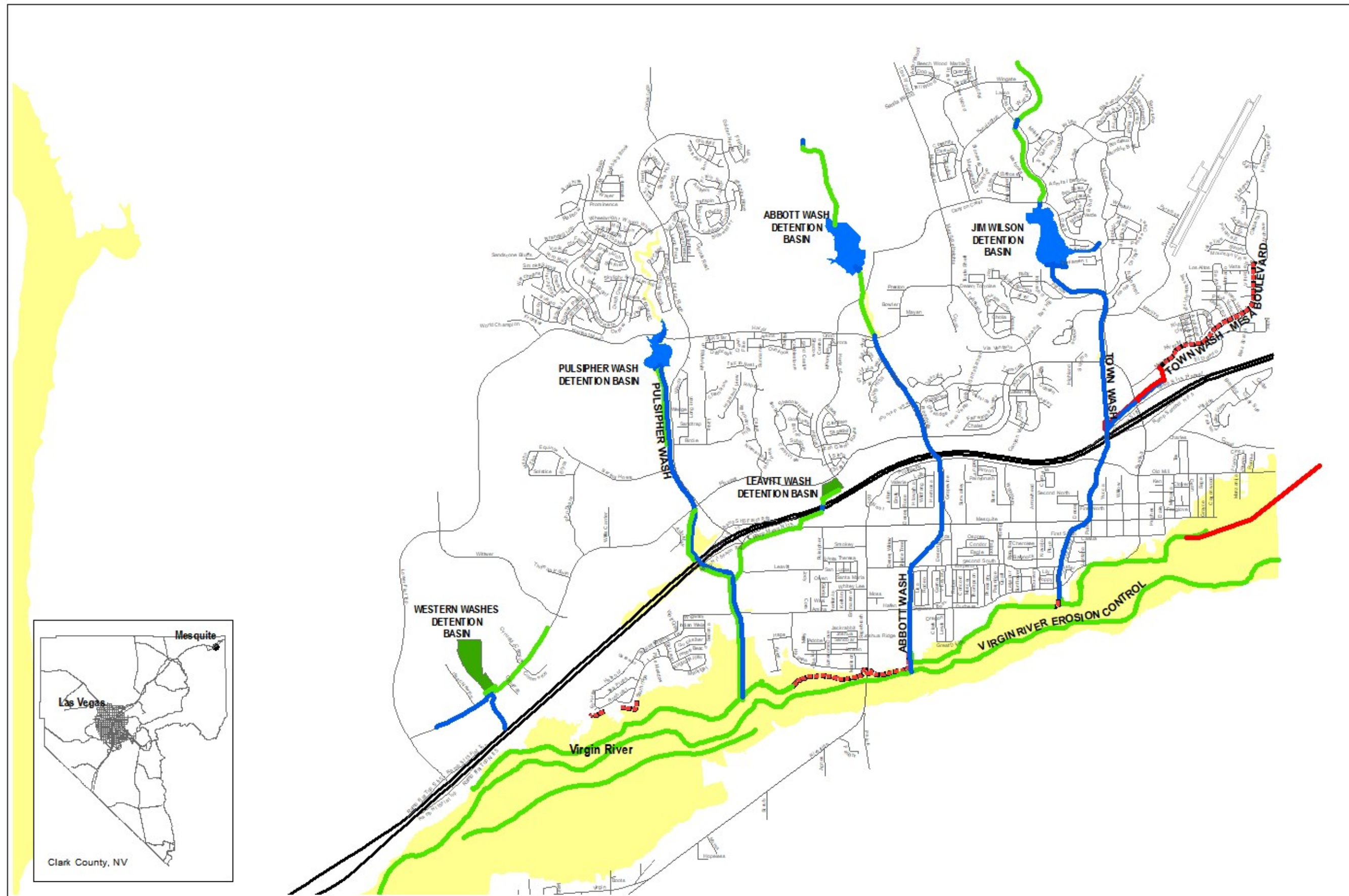
DATA SOURCES:
CLARK COUNTY REGIONAL FLOOD
CONTROL DISTRICT
CLARK COUNTY GISMO
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:
FEMA 2002 DIGITAL FIRM. NOT THE
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FLOOD CONTROL DISTRICT FACILITIES
SHOULD BE MADE TO THE DISTRICT
OFFICE AT 800 S. GRAND CENTRAL PKWY,
SUITE 300, LAS VEGAS, NEVADA 89106-4511.

May 2021



TEN-YEAR CONSTRUCTION PROGRAM MESQUITE PLANNING AREA



LEGEND

Conveyances

STATUS

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

Detention Basins

STATUS

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

100 Year Flood Zones

- 100-Year Flood Zone



1 inch = 0.6 miles

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

FLOOD INSURANCE (FIRM) INFORMATION:
FEMA 9802 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 646 S. GRAND CENTRAL PARKWAY, SUITE 366, LAS VEGAS, NEVADA 89166-4511.

May 2021

