

# **TEN-YEAR CONSTRUCTION PROGRAM**

## **REGIONAL FLOOD CONTROL DISTRICT**



**FISCAL YEAR 2021  
THROUGH  
FISCAL YEAR 2030**

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

**ADOPTED  
JUNE 11, 2020**

**CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT**

**TEN-YEAR CONSTRUCTION PROGRAM**

**FISCAL YEAR 2021**

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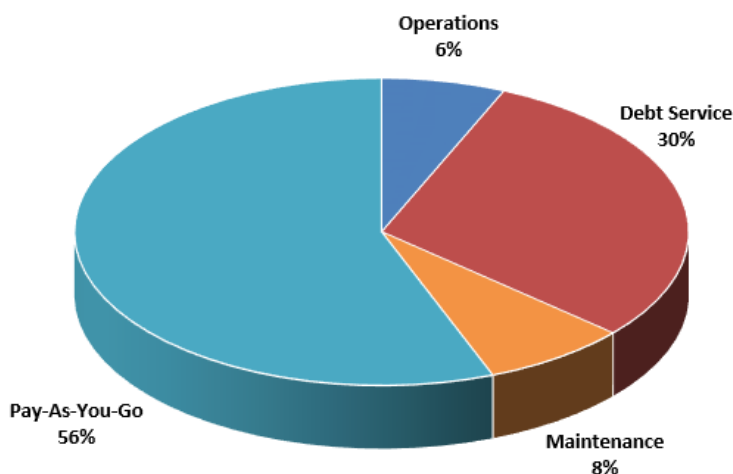
**ADOPTED JUNE 11, 2020**

**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 11, 2020, for Fiscal Year 2020-21. 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 \$2.0 billion in Sales Tax Revenues, through the end of February 2020. Additionally, the District has issued \$80,000,000, \$150,000,000, \$200,000,000, \$150,000,000, \$75,000,000, \$100,000,000 and \$115,000,000 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, and March 2019, respectively, to expedite projects. Through May of 2020, the District has funded \$2,039,907,765 in projects.

**FISCAL YEAR 2021 THROUGH FISCAL YEAR 2030 TYCP**

The TYCP is an estimate of when funding will be requested. Available revenues for the TYCP are estimated to be \$807,616,793. Additionally, \$85,000,000 in bonds are programmed in fiscal year 2020-21 and \$100,000,000 in bonds are programmed in fiscal years 2023-24, 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 2021 THROUGH FY 2030**

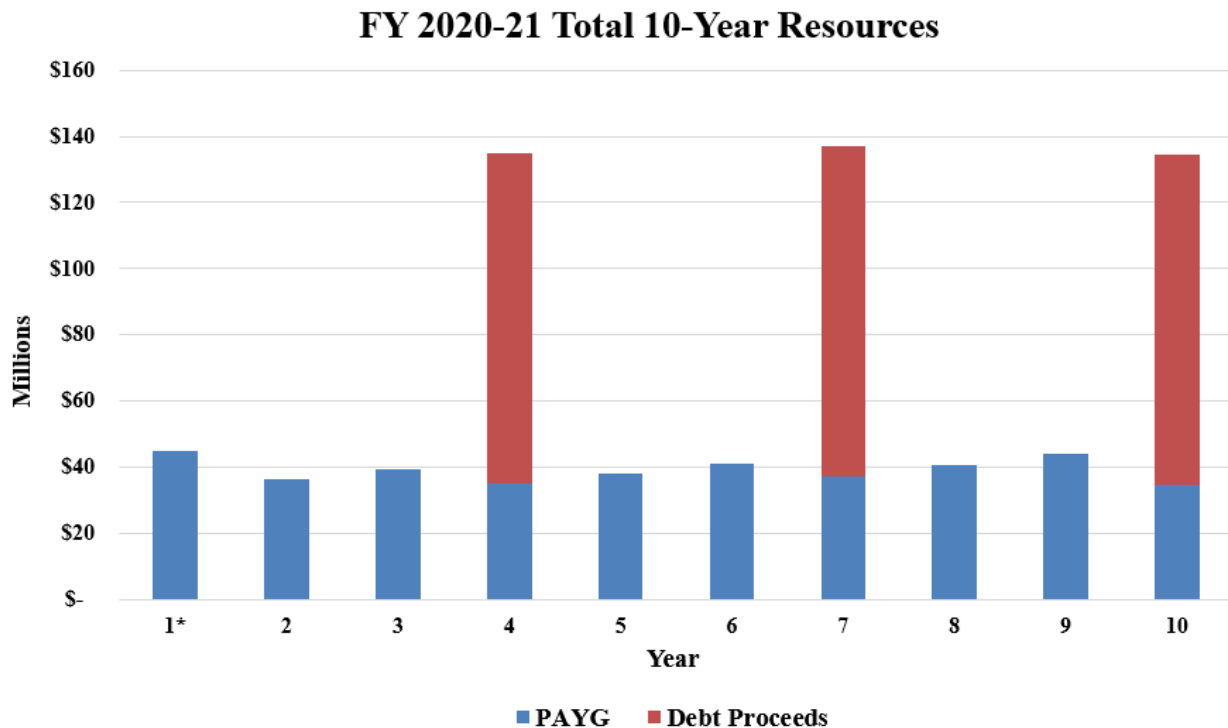
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development. The District also continually evaluates whether to issue the debt based on economic conditions. Sales Tax growth for Year 1 is based on a 4.0% growth rate from prior years' revised estimate (\$101,311,500), a 3.3% growth rate for Year 2 and a 3.0% growth rate for Years 3 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 20/21 to 0%, FY 21/22 to 1%, FY 22/23, FY 23/24, and FY 24/25 to 2%, and 3% for the out years. 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 2021 THROUGH FY 2030

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.

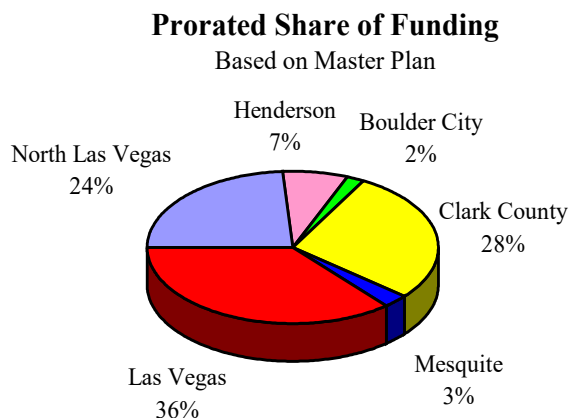


\* Year-1 includes Debt Proceeds of \$85,000,000 originally programmed in FY 2019-20.

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 2020-21 are \$358,983,472, which includes previously approved and new projects planned for FY 2020-21.

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 May 19, 2016; 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 2021 THROUGH FY 2030

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### 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 661 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:

<b>Fiscal Year</b>	<b>Factor</b>	<b>TYCP MWP Funding Projection</b>	
2021	Approved Budget	\$	10,000,000
2022	-20.0%	\$	12,000,000
2023	0.0%	\$	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	50.0%	\$	18,000,000
<b>Total estimated maintenance over 10 years</b>		<b>\$</b>	<b>\$124,000,000</b>

**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 eighteenth year of this program, the District has budgeted \$1,211,000 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).



## REGIONAL FLOOD CONTROL DISTRICT – FY 2021 THROUGH FY 2030

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

Fiscal year	Factor	TYCP Local Drainage Budget Projection	
2021	Approved Budget	\$	1,211,000
2022	-10.18%	\$	1,087,749
2023	3.0%	\$	1,120,382
2024	3.0%	\$	1,153,993
2025	3.0%	\$	1,188,613
2026	3.0%	\$	1,224,271
2027	3.0%	\$	1,260,999
2028	3.0%	\$	1,298,829
2029	3.0%	\$	1,337,794
2030	3.0%	\$	1,377,928
Total estimated local drainage over 10 years		\$	\$12,261,558

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 \$758,469,780 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 33% 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

District funding since 1987 for the projects plus design efforts on future projects total approximately \$221,634,247.

***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 concrete channel and 7' x 4' to 20' x 8' reinforced concrete box storm drain that collects flows at the intersections of Sunset Road/Boulder Highway and Sunset Road/Foster Avenue. Flows are conveyed along Burns Avenue to the existing Wiesner Channel at Burns Avenue and Galleria Drive. Design is underway. Construction funding is programmed in FY 23/24. The TYCP includes approximately \$5.5 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 that collects flows in Burns Avenue and conveys it to the existing Wiesner Channel at Burns Avenue and Galleria Drive. Construction funding is programmed in FY 20/21. The TYCP includes approximately \$1.5 million for this project.

**Lower Pittman – Whitney Ranch Channel Replacement Project (PV = 91.5)**

**WWDC 0001, 0016, 0031, 0034, 0053, 0056, 0070** – This project consists of a rectangular concrete channel from the Pittman Wash – Duck Creek Channel to Whitney Ranch Drive, an 18' x 5' reinforced concrete box storm drain from Whitney Ranch Drive to Whitney Mesa Estates Channel (WWDC 0084), and 20' x 6' and 18' x 5' reinforced concrete box culverts under Whitney Ranch Drive and Galleria Drive, respectively. These facilities increase the conveyance capacity of the existing Whitney Ranch Channel. Design is underway and construction funding is programmed in FY 22/23. The TYCP includes approximately \$15.5 million for this project.

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

**PTBE 0062, 0063, 0064, PTSO 0000** – This project consists of a concrete channel collection facility, a 550 acre-foot detention basin, spillway, and outfall pipe. Basin outflow will discharge to a natural wash and the Pittman North Detention Basin approximately 1.5 miles downstream. Design is programmed in FY 24/25 and construction funding is programmed in FY 27/28. The TYCP includes approximately \$9.2 million for this project.

**Upper Pittman – Pittman Gillespie (PV = 78.5)**

**PTGL 0001, 0011** – This project consists of 7' x 6' reinforced concrete box storm drain in Gillespie Street extending from the Pittman North Detention Basin north to Larson Lane. Design is programmed in FY 26/27 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$7.3 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 from the Pittman North Detention Basin 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 \$7.9 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. Basin outflow discharges to a natural wash and to the Pittman North Detention Basin approximately 3.5 miles downstream. Design is programmed in FY 23/24. Construction is programmed in FY 26/27. The TYCP includes approximately \$6.3 million for this project.

The funding programmed for the C-1 Channel and Pittman Wash Planning Areas in Henderson totals approximately \$53.2 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**

***Las Vegas (continued)***

**Gowan North – Buffalo Branch**

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

**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)**

**Grand Teton – Hualapai to Tee Pee**

**Grand Teton Overpass – Storm Drain**

**Holmby Channel, Local Drainage Project**

**Horse Drive Interchange**

**I-15 Freeway Channel**

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

**Jay Avenue Improvements, Local Drainage Project**

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

**Langtry Channel – Bonanza Road to Washington Avenue**

***Las Vegas (continued)***

**Las Vegas Creek Channel, Parallel System at Decatur Boulevard**

**Las Vegas Creek Channel, Parallel System**

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

**Las Vegas Wash – Decatur & Elkhorn, CC 215**

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

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

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

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

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

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

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

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

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

**Luning Drive Storm Drain, Local Drainage Project**

**LVW – Moccasin, Skye Canyon Park to Upper LVW**

**Meadows 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 \$761,861,879.

***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 = 76.0)**

**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 24/25 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$9.4 million for this project.

**Central – LV Wash I-15 Tributary – Freeway Channel – Washington Avenue, Rancho Drive to Valley View Boulevard (PV = 80.0)**

**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 23/24 and construction funding is programmed in FY 25/26. The TYCP includes approximately \$8.3 million for this project.

**Central – LV Wash I-15 Tributary – Lake Mead – Carey – Lake Mead Detention Basin Outfall (PV = 89.5)**

**LVLM 0221** – This project provides a 48” diameter reinforced concrete pipe outlet from the Carey – Lake Mead Detention Basin to the existing storm drain in Carey Avenue. Design is underway and construction funding is programmed in FY 20/21. The TYCP includes approximately \$0.6 million for this project.

**Central – LV Wash I-15 Tributary – Owens Avenue System – Vegas Drive, 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 programmed in FY 20/21 and construction funding is programmed in FY 23/24. The TYCP includes approximately \$3.6 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 by 10’ to 11’ deep concrete channel improvements within the Las Vegas Wash, from Stewart Avenue to Bonanza Road. Design is underway. Construction funding is programmed in FY 23/24. The TYCP includes approximately \$6.8 million for this project.

**LV Wash Central – Meadows – Charleston Boulevard, 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 programmed in FY 20/21 and construction funding is programmed in FY23/24. The TYCP includes approximately \$8.6 million for this project.

***Las Vegas (continued)***

**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 programmed in FY 20/21 and construction funding is programmed in FY 23/24. The TYCP includes approximately \$10.7 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 programmed in FY 20/21 and construction funding is programmed in FY 23/24. The TYCP includes approximately \$2.4 million for this project.

**LV Wash Central – Owens Avenue East – LV Wash to Eastern Avenue (PV = 78.0)**

**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 23/24 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$25.8 million for this project.

**Sahara Boulder Highway – Boulder Highway Sahara Avenue – Eastern Avenue to Boulder Highway (PV = 75.0)**

**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. Design is programmed in FY 24/25 and construction funding is programmed in FY 27/28. The TYCP includes approximately \$19.3 million for this project.

**Sahara Boulder Highway – Sahara Avenue – Eastern Lateral (PV = 72.5)**

**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 25/26 and construction funding is programmed in FY 28/29. The TYCP includes approximately \$3.2 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 26/27 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$16.8 million for this project.

***Las Vegas (continued)***

**Sahara Boulder Highway – Boulder Highway Sahara Avenue – Las Vegas Boulevard to Maryland Parkway (PV = 75.0)**

**BHSA 0175** – This project consists of a 14' x 14' reinforced concrete box storm drain in Sahara Avenue from Maryland Parkway to Las Vegas Boulevard. Design is programmed in FY 28/29 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$25.3 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 \$7.3 million for this project.

**Sahara Boulder Highway – Las Vegas Wash – Cedar Channel/Bonanza Road – Las Vegas Wash to Lamb Boulevard (PV = 75.0)**

**LVBZ 0000, CACH 0001, 0020** – This project consists of dual 12' x 7' reinforced concrete box storm drain in Marion Drive from the existing Cedar Avenue Channel to Bonanza Road and 22' to 31' wide by 6.5' to 12' deep concrete channel improvements within the Cedar Avenue Channel, from the Las Vegas Wash to Marion Drive. Design is programmed in FY 26/27 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$10.7 million for this project.

**Gowan North – Gowan Box Canyon – Lone Mountain Road (PV = 72.0)**

**GOBX 0015** – This project consists of approximately 1.25 miles of 66" diameter reinforced concrete pipe storm drain in Lone Mountain Road from the existing Lone Mountain Beltway Detention Basin to the future Box Canyon Detention Basin. Design is underway. Construction funding is programmed in FY 29/30. The TYCP includes approximately \$7.3 million for this project.

**Gowan North – Gowan Outfall – Alexander Road, Decatur Boulevard to Simmons Street (PV = 90.0)**

**GOOF 0275, 0285, 0325, 0375** – This project consists of dual 12' x 8' to dual 16' x 8' reinforced concrete box storm drain in Alexander Road from Simmons Street to Decatur Boulevard. Design is underway. Construction funding is programmed in FY 20/21. The TYCP includes approximately \$33.5 million for this project.

**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 24/25 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$13.9 million for this project.



***Las Vegas (continued)***

**Gowan North – Gowan Outfall – El Capitan Branch, Ann Road to Centennial Parkway (PV = 87.0)**

**GOEC 0100, 0126, 0152, 0176** – This project consists of reinforced concrete box storm drain ranging in size from 7' x 6' to 10' x 7' 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 \$7.2 million for this project.

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

**GOAL 0000, 0056** – This project in conjunction with the Regional Transportation Commission of Southern Nevada consists of 19' x 6' and 14' x 6' reinforced concrete box storm drain in Alexander Road from Decatur Boulevard to Rancho Road. Design is underway. Construction funding is programmed in FY 21/22. The TYCP includes approximately \$5.4 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 Road 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 22/23 and construction funding is programmed in FY 25/26. The TYCP includes approximately \$10.4 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 O'Hare Avenue. Design is underway and construction funding is programmed in FY 22/23. The TYCP includes approximately \$8.3 million for this project.

**Upper Northern LV Wash – Centennial Parkway Channel West – Farm Road, Oso Blanca Road to Tee Pee Lane (PV = 84.0)**

**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 programmed in FY 20/21 and construction funding is programmed in FY 23/24. The TYCP includes approximately \$6.6 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 \$251.4 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**

**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 \$382,077,931.

***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 20/21 and construction funding is programmed in FY 23/24. The TYCP includes approximately \$6.8 million for this project.

**Lower Northern LV Wash – Cheyenne Lamb Nellis – Lake Mead Drain to Las Vegas Wash (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 programmed in FY 20/21 and construction funding is programmed in FY 22/23. The TYCP includes approximately \$8.7 million for this project.

**Lower Northern LV Wash – Cheyenne Lamb Nellis – Las Vegas Boulevard 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 25/26. The TYCP includes approximately \$8.6 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 concrete channel improvements 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 \$6.3 million for this project.

**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.

***North Las Vegas (continued)***

**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, inlet and outlet facilities. Inlet facilities consist of a concrete channel, 6' x 6' and 8' x 6' reinforced concrete box storm drain that collects flow from the west. Outlet facilities consist of 24" and 36" diameter reinforced concrete pipes extending west from the basin to the existing SLWA system in Hollywood Boulevard. Design is underway. Right-of-Way Acquisition is programmed in FY 20/21 and construction funding is programmed in FY 23/24. The TYCP includes approximately \$20.3 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 \$2.3 million for this project.

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

**SLNL 0000, 0064** – This project includes dual 12' x 11' and 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 \$24.1 million for this project.

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

**SLLV 0000** – This project includes 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 \$19.1 million for this project.

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

**RWBW 0035, 0037, 0066, 0083, RWWE 0518, 0520, 0550** – This project consists of concrete channel, 10' x 7' and 16' x 10' reinforced concrete box storm drain on the north side of the CC 215 Beltway extending both east and west from Pecos Road to Lamb Boulevard and Losee Road, respectively. These facilities connect to the existing reinforced concrete box culverts under the Beltway's westbound on and off ramps at Pecos Road. Design is programmed in FY 24/25. Construction funding is programmed in FY 27/28. The TYCP includes approximately \$14.0 million for this project.

***North Las Vegas (continued)***

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

**RWWE 0500, RWBW 0011, 0013** – This project consists of 16' x 8' and 10' x 7' reinforced concrete box storm drain and a transitional channel in the infield area of the CC 215 Beltway/Pecos Road interchange. These facilities connect to 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 – Hollywood System, Centennial Parkway to Speedway #2 Detention Basin (PV = 87.0)**

**RWHW 0300, 0355, 0369, 0410** – This project provides an 84" diameter reinforced concrete pipe outlet from Speedway #2 retention basin, that extends south on the west side of the Manheim Auto Auction, across I-15, and south in Hollywood Boulevard to Centennial Parkway. Design is underway. Construction funding is programmed in FY 20/21. The TYCP includes approximately \$9.6 million for this project.

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

**RWHW 0459, 0498, 0499, 0500** – This project consists of a 770 acre-foot detention basin, spillway, 54" and 66" outlet pipes extending south to Speedway #2 Detention Basin. Design and Right-of-Way Acquisition are programmed in FY 27/28. The TYCP includes approximately \$3.1 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. Outlet facilities consist of a 4' x 4' reinforced concrete box at the basin, a riprap channel with concrete bottom, a 6' x 5' reinforced concrete box culvert under US-93, and energy dissipater east of the highway. Design is programmed in FY 24/25, Right-of-Way Acquisition is programmed in FY 25/26, and construction funding is programmed in FY 26/27. The TYCP includes approximately \$29.4 million for this project.

The funding programmed for the Lower Northern Las Vegas Wash, Range Wash, and Lower Las Vegas Wash Planning Areas in North Las Vegas totals approximately \$163.1 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, 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**

**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**

**Duck Creek, Emerald Avenue to Stephanie Street, Phase I**

**Duck Creek, Las Vegas Boulevard**



***Clark County (continued)***

**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

**Flamingo Wash, Desert Inn to Eastern Avenue**

**Flamingo Wash, Eastern Avenue**

***Clark County (continued)***

**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**

**Red Rock Channel, Naples Branch**

**Red Rock Channel, Naples Branch – Flamingo Connector**

**Silverado Ranch Detention Basin, Collection & Outfall**

***Clark County (continued)***

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

***Clark County (continued)***

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

**Tropicana Wash Channel**

Paradise Road to Koval Lane

**Upper Flamingo Detention Basin and Outfall System**

**Van Buskirk Channel System**

**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**

**Cooper Crossing in Moapa Valley**

**Hiko Springs Detention Basin (SID and District funded)**

**Hiko Springs Outfall Channel**

***Clark County (continued)***

**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 \$611,007,889.

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 = 67.5)**

**BDBF 0010, 0076, 0125** – This project consists of reinforced concrete box storm drain ranging in size from 10' x 5' to 10' x 8' in Buffalo Drive from Badura Avenue to West Mesa Verde Lane. Design is programmed in FY 27/28 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$12.0 million for this project.

**Tropicana Flamingo Project – Flamingo – Cimarron Branch (PV = 74.0)**

**FLCM 0003** – This project consists of 84" diameter reinforced concrete pipe storm drain on the west side of Cimarron Road from Russell Road to Patrick Lane. Design is programmed in FY 23/24 and construction funding is programmed in FY 25/26. The TYCP includes approximately \$3.5 million for this project.

**Lower Flamingo – Wagon Trail Channel – Sunset Road to Teco Avenue (PV = 77.5)**

**WGTR 0111** – This project includes 10' x 5' reinforced concrete box storm drain in Procyon Street from Teco Avenue to Sunset Road. Design is underway. Construction funding is programmed in FY 21/22. The TYCP includes approximately \$1.4 million for this project.

***Clark County (continued)***

**Lower Flamingo – Flamingo Wash, Maryland Parkway to Palos Verde Street (PV = 81.5)**  
**FLWA 0621, 0673** – This project consists of concrete channel improvements in the Flamingo Wash from Maryland Parkway to Cambridge Street and from University Center Drive (formerly Swenson Street) to Palos Verde Street. Design is underway. Construction funding is programmed in FY 20/21. The TYCP includes approximately \$7.4 million for this project.

**Lower Flamingo – Flamingo Wash Maryland – UNLV (PV = 72.5)**  
**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 = 87.0)**  
**TRMC 0013, 0014, 0031, 0033** – This project consists of concrete channel improvements to the existing un-lined Airport/Naples channel between Harmon Avenue and Tropicana Avenue, a 170 acre-foot peaking basin, and 36” diameter reinforced concrete outlet pipe. Design is underway. Construction funding is programmed in FY 20/21. The TYCP includes approximately \$26.8 million for this project.

**Tropicana/Flamingo – Vegas Valley Drive – Flamingo Wash to Burnham Avenue (PV = 72.0)**  
**VAVD 0000, 0025** – This project includes 84” reinforced concrete pipe and 7’ x 5’ reinforced concrete box storm drain in Vegas Valley Drive from Burnham Avenue to the Flamingo Wash. 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.

**Lower Flamingo – Flamingo Wash, Industrial Road to Hotel Rio Drive (PV = 75.0)**  
**FLWA 0893, 0896** – This project consists of 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 23/24. The TYCP includes approximately \$1.4 million for this project.

**Lower LV Wash Tributaries – Tropicana Avenue Conveyance – Morris Street to Mountain Vista Street (PV = 69.0)**  
**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 = 70.5)**  
**LV01 0001, 0038, 0080, 0118** – This project includes earthen channel improvements adjacent the Wetlands Park between the Duck Creek Wash and Wetlands Park Lane,

***Clark County (continued)***

17' x 8' and 14' x 7' reinforced concrete box storm drain in Tropicana Avenue from the Wetlands Park to Boulder Highway. Design is underway. Additional design funding is programmed in FY 24/25 and construction funding is programmed in FY 27/28. The TYCP includes approximately \$19.6 million for this project.

**Lower LV Wash Tributaries – Tropicana Avenue Conveyance – Boulder Highway to Morris Street (PV = 69.5)**

**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.

**Lower LV Wash Tributaries – Las Vegas Wash – Branch 02, Jimmy Durante to Boulder Highway (PV = 75.0)**

**LV02 0209, 0273, 0282, 0294** – This project consists of replacing 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 will be added in Flamingo Road from Nellis Boulevard to Boulder Highway, adjacent the existing triple 6' x 3' reinforced concrete box storm drain. Design is programmed in FY 20/21 and construction funding is programmed in FY 22/23. The TYCP includes approximately \$7.1 million for this project.

**Lower LV Wash Tributaries – Las Vegas Wash – Branch 02, Monson Channel – Las Vegas Wash to Flamingo Road (PV = 70.0)**

**LV02 0001, 0125, 0127** - This project consists of concrete channel improvements on the south side of the Clark County Water Reclamation District from the Las Vegas Wash to Jimmy Durante Boulevard, then north in Jimmy Durante Boulevard to Flamingo Road. Design is programmed in FY 24/25 and construction funding is programmed in FY 27/28. The TYCP includes approximately \$13.4 million for this project.

**Blue Diamond Tributaries – Blue Diamond Wash – Arville Street to I-15 (PV = 83.0)**

**BDWA 0276** – This project includes 72" diameter reinforced concrete pipe storm drain in Robindale Road from the I-15 to Arville Street. Design is underway. Construction funding is programmed in FY 20/21. The TYCP includes approximately \$5.7 million for this project.

**Blue Diamond Tributaries – Duck Creek/Blue Diamond, Bermuda Road to Las Vegas Boulevard (PV = 78.5)**

**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 and dual 14' x 6' reinforced concrete box culverts at Fairfield Avenue. Design is underway. Construction funding is programmed in FY 21/22. The TYCP includes approximately \$10.4 million for this project.

***Clark County (continued)***

**Blue Diamond Tributaries – Blue Diamond Channel, Amigo Street to Haven Street (PV = 77.0)**  
**BDWA 0087, 0111, 0113, 0137, 0139, 0174, 0175** – This project includes 10' x 4' reinforced concrete box storm drain in Blue Diamond Wash between Amigo Street and Rancho Destino Road, a 10' x 6' reinforced concrete box culvert under Rancho Destino Road, and riprap channel improvements between Rancho Destino Road and Haven Street. Design and Right-of-Way Acquisition are programmed in FY 20/21. Construction funding is programmed in FY 23/24. The TYCP includes approximately \$9.5 million for this project.

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

**BD02 0334** – This project consists of 9' x 6' reinforced concrete box storm drain in Decatur Boulevard from Richmar Avenue to La Baron Avenue, connecting to existing inlet facilities (BD01 0312) for the Silverado Ranch Detention Basin. This facility will be constructed as part of the Regional Transportation Commission of Southern Nevada *Decatur, Cactus to Warm Springs* project. Construction funding is programmed in FY 20/21. The TYCP includes approximately \$3.5 million for this project.

**Upper Duck Creek – Blue Diamond Wash Railroad (PV = 75.5)**

**BDW5 0026** – This project consists of concrete channel improvements adjacent to a Union Pacific Railroad spur from Rainbow Boulevard to Blue Diamond Road. Design and Right-of-Way Acquisition are programmed in FY 20/21. Construction funding is programmed in FY 23/24. The TYCP includes approximately \$6.2 million for this project.

**Lower Duck Creek – Duck Creek, Sunset Park (PV = 72.0)**

**DCSP 0000, 0115** – This project consists of 12' x 8' reinforced concrete box storm drain in Sunset Road from Duck Creek Wash to Tomiyasu Lane and 12' x 5' reinforced concrete box storm drain extending southwesterly along Sunset Park from Sunset Road to Eastern Avenue. Design is programmed in FY 21/22 and construction funding is programmed in FY 23/24. The TYCP includes approximately \$23.0 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 \$177.4 million on the TYCP.



***Clark County (continued)***

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 riprap channel improvements along Pacific Street, 6' x 5' and 8' x 5' reinforced concrete box storm drain in Revere Street, and concrete channel improvements along an alignment north of Main Street from Revere Street to undeveloped land east of Fayle Street. Design is underway. Additional Right-of-Way Acquisition and construction funding are programmed in FY 20/21. The TYCP includes approximately \$2.9 million for this project.

**Muddy River and Tributaries – Fairgrounds – Detention Basin (Whipple Street)**

**FGWS 0000, 0075, 0105, 0128, 0164, 0165, 0166** – This project consists of a 139 acre-foot detention basin, spillway, and outlet facilities. The outlet facilities include an 18" diameter reinforced concrete outlet pipe at the basin, 36" diameter reinforced concrete pipe in Heyer Street, extending south to Whipple Avenue, 48" and 54" diameter reinforced concrete pipes and 7' x 5' reinforced concrete box storm drain in Whipple Avenue from Heyer Street to the Muddy River. Design is underway. Construction funding is programmed in FY 20/21. The TYCP includes approximately \$12.4 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. Design is underway. Additional 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 \$15.8 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 underway. Additional design is programmed in FY 26/27 and construction funding is programmed in FY 29/30. The TYCP includes approximately \$20.0 million for this project.

**Mount Charleston – Rainbow Canyon Boulevard Bridge**

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

***Clark County (continued)***

**Laughlin – Bridge Canyon Detention Basin**

**LUHS 0415, 0416, 0417** – This project consists of a 1,065 acre-foot detention basin, spillway, and 48” reinforced concrete outlet pipe, located west of Needles Highway and south of SR 163. Basin outflow is conveyed 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 \$13.1 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 20/21 and construction funding is programmed in FY 23/24. The TYCP includes approximately \$2.2 million for this project.

**Searchlight – West – State Highway 164**

**SRWE 0001, 0002, 0005, 0023** – This project consists of 14’ x 4’, 8’ x 5’, and 6’ x 5’ reinforced concrete box storm drain in State Highway 164 extending approximately 0.5 mile west from US-95. This facility will connect to existing dual 48” reinforced concrete pipes (SRWE 0048) at US-95. Design is underway and construction funding is programmed in FY 20/21. The TYCP includes approximately \$5.8 million for this project.

**Searchlight – West**

**SRWE 0049, 0068, 0091** – This project consists of 54” and 42” diameter reinforced concrete pipes extending northeasterly 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 \$1.8 million for this project.

**Bunkerville – Jess Waite Wash Diversion Dike**

**JEWA 0166** – This project consists of upgrading the existing Jess Waite Wash Diversion Dike, located north of the Jess Waite sediment basin, from 6’ to 8’ high. Design is underway and construction funding is programmed in FY 21/22. The TYCP includes approximately \$1.6 million for this project.

The TYCP for the Outlying Areas of Clark County totals approximately \$77.3 million.

In all, among the Tropicana/Flamingo, Duck Creek, Blue Diamond, and Outlying Planning Areas, Clark County has programmed approximately \$254.7 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 \$37,387,703.

***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 consists of dual 78” diameter reinforced concrete pipes in Highland Drive, from an existing concrete channel (GBGR 0131), then north along the Sierra Vista Place alignment, and under Adams Boulevard. A 78” diameter reinforced concrete pipe extends west along Adams Boulevard, then north in Avenue I to Seventh Street, a 66” diameter reinforced concrete pipe extends west to Avenue G. Design is programmed in FY 21/22 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$4.9 million for this project.

**Georgia/Buchanan – Georgia Buchanan Confluence Facilities**

**GBGR 0003, GBBC 0020** – This project consists of concrete channel improvements along Georgia Avenue and Buchanan Boulevard, connecting to existing upstream channel (GBGR 0040) and existing downstream culverts (GBBC 0015). Design is programmed in FY 22/23 and construction funding is programmed in FY 25/26. The TYCP includes approximately \$2.5 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 27/28 and construction funding is programmed in FY 28/29. 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 \$0.30 million for this project.

**West Airport – West Airport Facilities**

**WAAP 0036, 0076, 0077** – This project consists of concrete channel improvements from the Boulder City Municipal Airport to the I-11 Freeway. Design is programmed in FY 27/28. The TYCP includes approximately \$0.30 million for this project.

The funding programmed for Boulder City totals approximately \$9.1 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 \$25,938,117.

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 includes concrete channel improvements within the I-15 Freeway corridor extending approximately 2,400 linear feet northeast from the Town Wash, 12' x 7' reinforced concrete box storm drain extending north to the intersection of Mesa Boulevard and El Dorado Road, and a 12' x 7' reinforced concrete box culvert at Pioneer Boulevard. Design is underway. Construction funding is programmed in FY 20/21. 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 \$27.0 million on the TYCP.

**Fiscal Year 2021 Project List**

The first year of the TYCP comprises the recommended FY 2021 Project List. It should be noted that construction and right-of-way funds programmed in FY 2022 and FY 2023 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 \$127.7 million. Projects eligible for funding in FY 2021 total \$205.3 million. These projects will be primarily funded from the estimated quarter percent Sales Tax Revenues. Projected revenue for the first year is \$161.3 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 2021 are as follows:

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

**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 that collects flows in Burns Avenue and conveys it to the existing Wiesner Channel at Burns Avenue and Galleria Drive. Construction funding is programmed in FY 20/21. FY 2021 eligible funding is approximately \$1.5 million for this project.

**Lower Pittman – Whitney Ranch Channel Replacement Project (PV = 91.5)**

**WWDC 0001, 0016, 0031, 0034, 0053, 0056, 0070** – This project consists of a rectangular concrete channel from the Pittman Wash – Duck Creek Channel to Whitney Ranch Drive, an 18' x 5' reinforced concrete box storm drain from Whitney Ranch Drive to Whitney Mesa Estates Channel (WWDC 0084), and 20' x 6' and 18' x 5' reinforced concrete box culverts under Whitney Ranch Drive and Galleria Drive, respectively. These facilities increase the conveyance capacity of the existing Whitney Ranch Channel. Design is underway and construction funding is programmed in FY 22/23. FY 2021 eligible funding is approximately \$15.5 million for this project.

**Total Programmed First Year:      \$ 1,463,860**

**Total Eligible First Year:          \$16,943,567**

***FY 2021 Project List (continued)***

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

**Central – LV Wash I-15 Tributary – Lake Mead – Carey – Lake Mead Detention Basin Outfall (PV = 89.5)**

**LVLN 0221** – This project provides a 48” diameter reinforced concrete pipe outlet from the Carey – Lake Mead Detention Basin to the existing storm drain in Carey Avenue. Design is underway and construction funding is programmed in FY 20/21. FY 2021 eligible funding is approximately \$0.60 million for this project.

**Central – LV Wash I-15 Tributary – Owens Avenue System – Vegas Drive, 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 programmed in FY 20/21 and construction funding is programmed in FY 23/24. FY 2021 eligible funding is approximately \$0.30 million for this project.

**LV Wash Central – Meadows – Charleston Boulevard, 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 programmed in FY 20/21 and construction funding is programmed in FY23/24. FY 2021 eligible funding is approximately \$0.80 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 programmed in FY 20/21 and construction funding is programmed in FY 23/24. FY 2021 eligible funding is approximately \$1.0 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 programmed in FY 20/21 and construction funding is programmed in FY 23/24. FY 2021 eligible funding is approximately \$0.10 million for this project.

**Gowan North – Gowan Outfall – Alexander Road, Decatur Boulevard to Simmons Street (PV = 90.0)**

**GOOF 0275, 0285, 0325, 0375** – This project consists of dual 12’ x 8’ to dual 16’ x 8’ reinforced concrete box storm drain in Alexander Road from Simmons Street to Decatur Boulevard. Design is underway. Construction funding is programmed in FY 20/21. FY 2021 eligible funding is approximately \$33.5 million for this project.

***FY 2021 Project List (continued)***

**Gowan North – Gowan Outfall – El Capitan Branch, Ann Road to Centennial Parkway (PV = 87.0)**

**GOEC 0100, 0126, 0152, 0176** – This project consists of reinforced concrete box storm drain ranging in size from 7' x 6' to 10' x 7' 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 2021 eligible funding is approximately \$7.2 million for this project.

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

**GOAL 0000, 0056** – This project in conjunction with the Regional Transportation Commission of Southern Nevada consists of 19' x 6' and 14' x 6' reinforced concrete box storm drain in Alexander Road from Decatur Boulevard to Rancho Road. Design is underway. Construction funding is programmed in FY 21/22. FY 2021 eligible funding is approximately \$5.4 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 O'Hare Avenue. Design is underway and construction funding is programmed in FY 22/23. FY 2021 eligible funding is approximately \$8.3 million for this project.

**Upper Northern LV Wash – Centennial Parkway Channel West – Farm Road, Oso Blanca Road to Tee Pee Lane (PV = 84.0)**

**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 programmed in FY 20/21 and construction funding is programmed in FY 23/24. FY 2021 eligible funding is approximately \$0.60 million for this project.

**Total Programmed First Year:     \$36,990,603**

**Total Eligible First Year:         \$57,899,474**

**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 20/21 and construction



***FY 2021 Project List (continued)***

funding is programmed in FY 23/24. FY 2021 eligible funding is approximately \$0.60 million for this project.

**Lower Northern LV Wash – Cheyenne Lamb Nellis – Lake Mead Drain to Las Vegas Wash (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 programmed in FY 20/21 and construction funding is programmed in FY 22/23. FY 2021 eligible funding is approximately \$8.7 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 concrete channel improvements 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 2021 eligible funding is approximately \$6.3 million for this project.

**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 2021 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, inlet and outlet facilities. Inlet facilities consist of a concrete channel, 6' x 6' and 8' x 6' reinforced concrete box storm drain that collects flow from the west. Outlet facilities consist of 24" and 36" diameter reinforced concrete pipes extending west from the basin to the existing SLWA system in Hollywood Boulevard. Design is underway. Right-of-Way Acquisition is programmed in FY 20/21 and construction funding is programmed in FY 23/24. FY 2021 eligible funding is approximately \$1.8 million for this project.

**Range – East Range – Hollywood System, Centennial Parkway to Speedway #2 Detention Basin (PV = 87.0)**

**RWHW 0300, 0355, 0369, 0410** – This project provides an 84" diameter reinforced concrete pipe outlet from Speedway #2 retention basin, that extends south on the west side of the Manheim Auto Auction, across I-15, and south in Hollywood Boulevard to Centennial Parkway. Design is underway.

***FY 2021 Project List (continued)***

Construction funding is programmed in FY 20/21. FY 2021 eligible funding is approximately \$9.6 million for this project.

**Total Programmed First Year:     \$12,912,697**

**Total Eligible First Year:         \$34,019,333**

**Clark County (Las Vegas Valley)**

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

**Lower Flamingo – Wagon Trail Channel – Sunset Road to Teco Avenue (PV = 77.5)**

**WGTR 0111** – This project includes 10' x 5' reinforced concrete box storm drain in Procyon Street from Teco Avenue to Sunset Road. Design is underway. Construction funding is programmed in FY 21/22. FY 2021 eligible funding is approximately \$1.4 million for this project.

**Lower Flamingo – Flamingo Wash, Maryland Parkway to Palos Verde Street (PV = 81.5)**

**FLWA 0621, 0673** – This project consists of concrete channel improvements in the Flamingo Wash from Maryland Parkway to Cambridge Street and from University Center Drive (formerly Swenson Street) to Palos Verde Street. Design is underway. Construction funding is programmed in FY 20/21. FY 2021 eligible funding is approximately \$7.4 million for this project.

**Lower Flamingo – Airport Channel – Naples Channel and Peaking Basin (PV = 87.0)**

**TRMC 0013, 0014, 0031, 0033** – This project consists of concrete channel improvements to the existing un-lined Airport/Naples channel between Harmon Avenue and Tropicana Avenue, a 170 acre-foot peaking basin, and 36" diameter reinforced concrete outlet pipe. Design is underway. Construction funding is programmed in FY 20/21. FY 2021 eligible funding is approximately \$26.8 million for this project.

**Lower LV Wash Tributaries – Las Vegas Wash – Branch 02, Jimmy Durante to Nellis Boulevard (PV = 75.0)**

**LV02 0209, 0273, 0282, 0294** – This project consists of replacing 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 will be added under Nellis Boulevard at Flamingo Road adjacent the existing triple 6' x 3' reinforced concrete box storm drain. Design is programmed in FY 20/21 and construction funding is programmed in FY 22/23. FY 2021 eligible funding is approximately \$7.1 million for this project.

**Blue Diamond Tributaries – Blue Diamond Wash – Arville Street to I-15 (PV = 83.0)**

**BDWA 0276** – This project includes 72" diameter reinforced concrete pipe storm drain in Robindale Road from the I-15 to Arville Street. Design is underway. Construction funding is programmed in FY 20/21. FY 2021 eligible funding is approximately \$5.7 million for this project.

***FY 2021 Project List (continued)***

**Blue Diamond Tributaries – Duck Creek/Blue Diamond, Bermuda Road to Las Vegas Boulevard (PV = 78.5)**

**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 and dual 14' x 6' reinforced concrete box culverts at Fairfield Avenue. Design is underway. Construction funding is programmed in FY 21/22. FY 2021 eligible funding is approximately \$10.4 million for this project.

**Blue Diamond Tributaries – Blue Diamond Channel, Amigo Street to Haven Street (PV = 77.0)**

**BDWA 0087, 0111, 0113, 0137, 0139, 0174, 0175** – This project includes 10' x 4' reinforced concrete box storm drain in Blue Diamond Wash between Amigo Street and Rancho Destino Road, a 10' x 6' reinforced concrete box culvert under Rancho Destino Road, and riprap channel improvements between Rancho Destino Road and Haven Street. Design and Right-of-Way Acquisition are programmed in FY 20/21. Construction funding is programmed in FY 23/24. FY 2021 eligible funding is approximately \$1.9 million for this project.

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

**BD02 0334** – This project consists of 9' x 6' reinforced concrete box storm drain in Decatur Boulevard from Richmar Avenue to La Baron Avenue, connecting to existing inlet facilities (BD01 0312) for the Silverado Ranch Detention Basin. This facility will be constructed as part of the Regional Transportation Commission of Southern Nevada *Decatur, Cactus to Warm Springs* project. Construction funding is programmed in FY 20/21. FY 2021 eligible funding is approximately \$3.5 million for this project.

**Upper Duck Creek – Blue Diamond Wash Railroad (PV = 75.5)**

**BDW5 0026** – This project consists of concrete channel improvements adjacent to a Union Pacific Railroad spur from Rainbow Boulevard to Blue Diamond Road. Design and Right-of-Way Acquisition are programmed in FY 20/21. Construction funding is programmed in FY 23/24. FY 2021 eligible funding is approximately \$1.2 million for this project.

**Clark County (Outlying Areas):**

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

**Goodsprings – Goodsprings – Phase I**

**GSPA 0000, 0018, 0019, 0027, 0029** – This project consists of riprap channel improvements along Pacific Street, 6' x 5' and 8' x 5' reinforced concrete box storm drain in Revere Street, and concrete channel improvements along an alignment north of

***FY 2021 Project List (continued)***

Main Street from Revere Street to undeveloped land east of Fayle Street. Design is underway. Additional Right-of-Way Acquisition and construction funding are programmed in FY 20/21. FY 2021 eligible funding is approximately \$2.9 million for this project.

**Muddy River and Tributaries – Fairgrounds – Detention Basin (Whipple Street)**

**FGWS 0000, 0075, 0105, 0128, 0164, 0165, 0166** – This project consists of a 139 acre-foot detention basin, spillway, and outlet facilities. The outlet facilities include an 18” diameter reinforced concrete outlet pipe at the basin, 36” diameter reinforced concrete pipe in Heyer Street, extending south to Whipple Avenue, 48” and 54” diameter reinforced concrete pipes and 7’ x 5’ reinforced concrete box storm drain in Whipple Avenue from Heyer Street to the Muddy River. Design is underway. Construction funding is programmed in FY 20/21. FY 2021 eligible funding is approximately \$12.4 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 20/21 and construction funding is programmed in FY 23/24. FY 2021 eligible funding is approximately \$0.20 million for this project.

**Searchlight – West – State Highway 164**

**SRWE 0001, 0002, 0005, 0023** – This project consists of 14’ x 4’, 8’ x 5’, and 6’ x 5’ reinforced concrete box storm drain in State Highway 164 extending approximately 0.5 mile west from US-95. This facility will connect to existing dual 48” reinforced concrete pipes (SRWE 0048) at US-95. Design is underway and construction funding is programmed in FY 20/21. FY 2021 eligible funding is approximately \$5.8 million for this project.

**Bunkerville – Jess Waite Wash Diversion Dike**

**JEWA 0166** – This project consists of upgrading the existing Jess Waite Wash Diversion Dike, located north of the Jess Waite sediment basin, from 6’ to 8’ high. Design is underway and construction funding is programmed in FY 21/22. FY 2021 eligible funding is approximately \$1.6 million for this project.

**Clark County (Las Vegas Valley) Programmed First Year:                   \$46,864,948**

**Clark County (Las Vegas Valley) Eligible First Year:                       \$65,377,876**

**Clark County (Outlying Areas) Programmed First Year:                   \$21,308,377**

**Clark County (Outlying Areas) Eligible First Year:                       \$22,905,759**

**Total Programmed First Year:           \$68,173,325**

**Total Eligible First Year:               \$88,283,635**

***FY 2021 Project List (continued)***

**Mesquite:**

**Town Wash – Town Wash – Mesa Boulevard, El Dorado Road to Town Wash  
TWMB 0000, 0022, 0024, 0044, TOWA 0120** – This project includes concrete channel improvements within the I-15 Freeway corridor extending approximately 2,400 linear feet northeast from the Town Wash, 12' x 7' reinforced concrete box storm drain extending north to the intersection of Mesa Boulevard and El Dorado Road, and a 12' x 7' reinforced concrete box culvert at Pioneer Boulevard. Design is underway. Construction funding is programmed in FY 20/21. FY 2021 eligible funding is approximately \$8.2 million for this project.

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

## **EXHIBIT A**

# EXHIBIT A

PROGRAMMING PERCENTAGES			2013 MPU
Planning Area	Current MPU Total Costs (a)	Percent of Total Planning Area	Previous Percentages
<b>Henderson :</b>			
C-1	\$20,504,200	0.88%	8.35%
Pittman	\$144,761,050	6.23%	
<b>Sub-total</b>	<b>\$165,265,250</b>	<b>7.11%</b>	
<b>Las Vegas</b>			
Central	\$507,779,660	21.85%	38.70%
Gowan	\$127,415,880	5.48%	
Upper Northern L V Wash	\$203,558,550	8.76%	
<b>Sub-total</b>	<b>\$838,754,090</b>	<b>36.10%</b>	
<b>North Las Vegas</b>			
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%	
<b>Sub-total</b>	<b>\$562,124,556</b>	<b>24.19%</b>	
<b>Clark County</b>			
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%	
<b>Sub-total</b>	<b>\$655,165,090</b>	<b>28.20%</b>	
<b>Boulder City :</b>			
Boulder City	\$37,286,080	1.60%	1.95%
<b>Sub-total</b>	<b>\$37,286,080</b>	<b>1.60%</b>	
<b>Mesquite :</b>			
Mesquite	\$64,832,221	2.79%	2.16%
<b>Sub-total</b>	<b>\$64,832,221</b>	<b>2.79%</b>	
<b>GRAND-TOTAL</b>	<b>\$2,323,427,288</b>	<b>100.00%</b>	<b>100.00%</b>

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											Priority Value
Pop.	Land	Public	Access	Avoid.	Funding	Relation.	Implem.	Env.	O&M		
5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5		
CITY OF 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: Whitney Ranch Channel Replacement Project											
WWDC 0001, 0016, 0031, 0034, 0053, 0056, 0070	4 20.0	3 13.5	4 16.0	2 7.0	3 9.0	4 10.0	3 6.0	3 4.5	4 4.0	3 1.5	91.5
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: 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, & PTSO 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

# 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		
<b>CITY OF LAS VEGAS</b>											
<b>HYDROGRAPHIC BASIN: CENTRAL</b>											
<b>PROJECT: Lake Mead - Carey - Lake Mead Detention Basin Outfall</b>											
LVLM 0221	4	4	3	3	3	3	2	3	3	2	89.5
	20.0	18.0	12.0	10.5	9.0	7.5	4.0	4.5	3.0	1.0	
<b>PROJECT: Flamingo - Boulder Hwy. North, Charleston - Main to Maryland</b>											
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	
<b>PROJECT: Las Vegas Wash - Stewart to Bonanza</b>											
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	
<b>PROJECT: Owens Avenue System - Vegas, Shadow Mountain to Jones</b>											
LVOW 0360	4	4	3	3	3	2	2	3	1	3	90.0
	20.0	18.0	13.0	10.5	9.0	5.0	5.0	4.5	3.0	2.0	
<b>PROJECT: Las Vegas Wash - Stewart, Las Vegas Wash to Lamb</b>											
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	
<b>PROJECT: Meadows - Charleston, Essex to Lindell</b>											
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	
<b>PROJECT: Meadows Detention Basin Upgrade</b>											
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	
<b>PROJECT: Freeway Channel - Washington, Rancho to Valley View</b>											
LV15 0528	4	3	3	2	3	3	2	3	2	1	80.0
	20.0	13.5	12.0	7.0	9.0	7.5	4.0	4.5	2.0	0.5	
<b>PROJECT: Owens Avenue East - LV Wash to Eastern</b>											
LVOE 0000, 0085	4	3	3	3	3	2	1	2	2	2	78.0
	20.0	13.5	12.0	10.5	9.0	5.0	2.0	3.0	2.0	1.0	
<b>PROJECT: Freeway Channel - Washington, Valley View to Michael Way</b>											
LV15 0602	4	3	3	2	2	2	2	3	3	2	76.0
	20.0	13.5	12.0	7.0	6.0	5.0	4.0	4.5	3.0	1.0	
<b>PROJECT: Boulder Highway Sahara Avenue - Eastern to Boulder Hwy.</b>											
BHSA 0000, 0026	3	3	4	3	2	2	2	2	1	2	75.0
	15.0	13.5	16.0	10.5	6.0	5.0	4.0	3.0	1.0	1.0	
<b>PROJECT: Sahara Avenue - Eastern Lateral</b>											
SAEA 0000	3	3	3	2	3	2	2	3	1	3	72.5
	15.0	13.5	12.0	7.0	9.0	5.0	4.0	4.5	1.0	1.5	
<b>PROJECT: Boulder Highway Sahara Avenue - Maryland to Eastern</b>											
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	
<b>PROJECT: Boulder Highway Sahara Avenue - LV Blvd. to Maryland</b>											
BHSA 0175	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	
<b>PROJECT: Las Vegas Wash - Cedar Channel/Bonanza - Las Vegas Wash to Lamb</b>											
LVBZ 0000, CACH 0001, 0020	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	
<b>HYDROGRAPHIC BASIN: GOWAN</b>											
<b>PROJECT: Gowan Outfall - Alexander Rd., Decatur Blvd. to Simmons Street</b>											
GOOF 0275, 0285, 0325, 0375	4	4	3	3	3	3	3	2	3	2	90.0
	20.0	18.0	12.0	10.5	9.0	7.5	6.0	3.0	3.0	1.0	
<b>PROJECT: Gowan Outfall - El Capitan Branch, Ann Road to Centennial</b>											
GOEC 0100, 0126, 0152, 0176	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	
<b>PROJECT: Gowan - Alexander Rd., Rancho to Decatur</b>											
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	
<b>PROJECT: Gowan - Craig and US-95</b>											
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	
<b>PROJECT: Gowan Outfall - Clayton Branch</b>											
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	
<b>PROJECT: Gowan Box Canyon - Lone Mountain Road</b>											
GOBX 0015	3	2	2	3	2	3	3	4	3	2	72.0
	15.0	9.0	8.0	10.5	6.0	7.5	6.0	6.0	3.0	1.0	
<b>HYDROGRAPHIC BASIN: UPPER NORTHERN LAS VEGAS WASH</b>											
<b>PROJECT: Brent Drainage System - Durango to OHare</b>											
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	
<b>PROJECT: Centennial Pkwy Channel West - Farm Road - Oso Blanca to Tee Pee</b>											
CNFR 0000	3	3	4	3	3	3	3	3	1	2	84.0
	15.0	13.5	16.0	10.5	9.0	7.5	6.0	4.5	1.0	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		
<b>CITY OF NORTH LAS VEGAS</b>											
<b>HYDROGRAPHIC BASIN: LOWER NORTHERN LAS VEGAS WASH</b>											
<b>PROJECT: Las Vegas Wash Cartier Channel</b>											
LVCC 0000, 0030, 0035	4 20.0	4 18.0	3 12.0	3 10.5	2 6.0	2 5.0	2 4.0	2 3.0	2 2.0	2 1.0	81.5
<b>PROJECT: Lake Mead Drain to Las Vegas Wash</b>											
LVLE 0000, 0047	4 20.0	3 13.5	3 12.0	3 10.5	3 9.0	2 5.0	2 4.0	2 3.0	2 2.0	2 1.0	80.0
<b>PROJECT: North Las Vegas Detention Basin Upgrade</b>											
LVUP 0406	4 20.0	3 13.5	3 12.0	3 10.5	2 6.0	2 5.0	2 4.0	2 3.0	2 2.0	2 1.0	77.0
<b>PROJECT: Las Vegas Boulevard Drain</b>											
LVLV 0000	3 15.0	3 13.5	3 12.0	3 10.5	2 6.0	2 5.0	2 4.0	2 3.0	2 2.0	3 1.5	72.5
<b>HYDROGRAPHIC BASIN: RANGE</b>											
<b>PROJECT: Hollywood System, Centennial Pkwy to Speedway #2 Detention Basin</b>											
RWHW 0300, 0355, 0369, 0410	3 15.0	3 13.5	4 16.0	4 14.0	3 9.0	2 5.0	3 6.0	3 4.5	3 3.0	2 1.0	87.0
<b>PROJECT: Orchard Collector - Charleston to Linden</b>											
SLOR 0158	3 15.0	3 13.5	3 12.0	3 10.5	4 12.0	3 7.5	2 4.0	3 4.5	3 3.0	3 1.5	83.5
<b>PROJECT: Jim McGaughey Detention Basin &amp; Outfall</b>											
SLWA 0130 thru 0175 & SLOW 0000, 0005	4 20.0	3 13.5	3 12.0	3 10.5	4 12.0	2 5.0	2 4.0	2 3.0	2 2.0	2 1.0	83.0
<b>PROJECT: Range Wash - Sloan Channel, Stewart Bridge</b>											
RWSL 0187	3 15.0	3 13.5	3 12.0	3 10.5	3 9.0	3 7.5	2 4.0	3 4.5	2 2.0	2 1.0	79.0
<b>PROJECT: Beltway Collection System - Pecos</b>											
RWWE 0500 & RWBW 0011, 0013	3 15.0	3 13.5	3 12.0	3 10.5	3 9.0	3 7.5	2 4.0	3 4.5	2 2.0	2 1.0	79.0
<b>PROJECT: Range Wash - Beltway Conveyance</b>											
RWBW 0035, 0037, 0066, 0083, & RWWE 0518, 0520, 0550	3 15.0	3 13.5	3 12.0	3 10.5	3 9.0	3 7.5	2 4.0	2 3.0	2 2.0	2 1.0	77.5
<b>PROJECT: Nellis Storm Drain - Sloan Channel to Craig</b>											
SLNL 0000, 0064	3 15.0	3 13.5	3 12.0	2 7.0	2 6.0	2 5.0	2 4.0	2 3.0	2 2.0	2 1.0	68.5
<b>PROJECT: Las Vegas Boulevard Storm Drain - Nellis to Range</b>											
SLLV 0000	3 15.0	3 13.5	3 12.0	2 7.0	2 6.0	2 5.0	2 4.0	2 3.0	2 2.0	1 0.5	68.0
<b>PROJECT: Speedway North Detention Basin and Outfall</b>											
RWHW 0459, 0498, 0499, 0500	2 10.0	3 13.5	2 8.0	2 7.0	2 6.0	2 5.0	2 4.0	2 3.0	2 2.0	1 0.5	59.0
<b>HYDROGRAPHIC BASIN: Apex</b>											
<b>PROJECT: North Apex - System 1 Detention Basin and Outfall</b>											
NAP1 0000, 0002, 0009, 0152, 0153, 0154	3 15.0	3 13.5	3 12.0	3 10.5	2 6.0	2 5.0	2 4.0	2 3.0	2 2.0	2 1.0	72.0

# EXHIBIT B

## Project Prioritization

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

### CLARK COUNTY

#### HYDROGRAPHIC BASIN: Tropicana/ Flamingo

PROJECT: Airport Channel - Naples Channel and Peaking Basin												
TRMC 0013, 0014, 0031, 0033	4 20.0	3 13.5	3 12.0	3 10.5	4 12.0	3 7.5	3 6.0	2 3.0	2 2.0	1 0.5	87.0	
PROJECT: Flamingo Wash - Maryland to Palos Verde												
FLWA 0621 & 0673	3 15.0	3 13.5	3 12.0	3 10.5	3 9.0	4 10.0	3 6.0	2 3.0	2 2.0	1 0.5	81.5	
PROJECT: Wagon Trail Channel - Sunset to Teco												
WGTR 0111	3 15.0	3 13.5	2 8.0	3 10.5	3 9.0	3 7.5	3 6.0	3 4.5	2 2.0	3 1.5	77.5	
PROJECT: Las Vegas Wash - Branch 02 - Jimmy Durante to Nellis												
LV02 0209, 0273, 0282, 0294	3 15.0	3 13.5	2 8.0	3 10.5	3 9.0	3 7.5	3 6.0	2 3.0	2 2.0	1 0.5	75.0	
PROJECT: Flamingo Wash - Industrial Rd. to Hotel Rio Dr.												
FLWA 0893 & 0896	3 15.0	3 13.5	2 8.0	3 10.5	3 9.0	2 5.0	4 8.0	3 4.5	1 1.0	1 0.5	75.0	
PROJECT: Flamingo - Cimarron Branch												
FLCM 0003	3 15.0	3 13.5	2 8.0	3 10.5	3 9.0	2 5.0	3 6.0	2 3.0	3 3.0	2 1.0	74.0	
PROJECT: Flamingo Wash Maryland - UNLV												
FLMR 0000	3 15.0	3 13.5	2 8.0	3 10.5	3 9.0	2 5.0	3 6.0	2 3.0	2 2.0	1 0.5	72.5	
PROJECT: Vegas Valley Drive - Flamingo Wash to Burnham												
VAVD 0000 & 0025	3 15.0	3 13.5	3 12.0	2 7.0	3 9.0	3 7.5	2 4.0	1 1.5	2 2.0	1 0.5	72.0	
PROJECT: Tropicana Avenue Conveyance - Las Vegas Wash to Boulder Hwy.												
LV01 0001, 0038, 0080, 0118	3 15.0	3 13.5	2 8.0	3 10.5	3 9.0	2 5.0	2 4.0	2 3.0	2 2.0	1 0.5	70.5	
PROJECT: Las Vegas Wash - Branch 02 - Monson Chnl - Las Vegas Wash to Flamingo												
LV02 0001, 0125, 0127	3 15.0	3 13.5	2 8.0	3 10.5	2 6.0	3 7.5	2 4.0	2 3.0	2 2.0	1 0.5	70.0	
PROJECT: Tropicana Avenue Conveyance - Boulder Hwy. to Morris												
LV01 0135	3 15.0	3 13.5	2 8.0	3 10.5	2 6.0	3 7.5	2 4.0	2 3.0	1 1.0	2 1.0	69.5	
PROJECT: Tropicana Avenue Conveyance, Morris to Mountain Vista												
LV01 0151, 0176	3 15.0	3 13.5	2 8.0	3 10.5	2 6.0	2 5.0	2 4.0	2 3.0	3 3.0	2 1.0	69.0	
PROJECT: Blue Diamond - Buffalo Branch												
BDBF 0010, 0076, 0125	3 15.0	3 13.5	2 8.0	3 10.5	3 9.0	2 5.0	1 2.0	2 3.0	1 1.0	1 0.5	67.5	

#### HYDROGRAPHIC BASIN: Duck Creek/Blue Diamond

PROJECT: Blue Diamond Channel 02, Decatur - Le Baron to Richmar											
BD02 0334	4 20.0	3 13.5	3 12.0	3 10.5	3 9.0	4 10.0	3 6.0	4 6.0	3 3.0	2 1.0	91.0
PROJECT: Blue Diamond Wash - Arville to I-15											
BDWA 0276	3 15.0	3 13.5	3 12.0	3 10.5	3 9.0	3 7.5	3 6.0	3 4.5	3 3.0	4 2.0	83.0
PROJECT: Duck Cr. / Blue Diamond, Bermuda to Las Vegas Blvd.											
DCBD 0075, 0082 & 0084	3 15.0	3 13.5	3 12.0	2 7.0	3 9.0	3 7.5	3 6.0	3 4.5	3 3.0	2 1.0	78.5
PROJECT: Blue Diamond Channel, Amigo to Haven											
BDWA 0087, 0111, 0113, 0137, 0139, 0174, 0175	1 5.0	4 18.0	4 16.0	3 10.5	4 12.0	1 2.5	3 6.0	3 4.5	2 2.0	1 0.5	77.0
PROJECT: Blue Diamond Wash Railroad											
BDW5 0026	3 15.0	3 13.5	3 12.0	3 10.5	3 9.0	1 2.5	3 6.0	3 4.5	2 2.0	1 0.5	75.5
PROJECT: Duck Creek, Sunset Park											
DCSP 0000, 0115	3 15.0	3 13.5	3 12.0	3 10.5	2 6.0	1 2.5	2 4.0	3 4.5	3 3.0	2 1.0	72.0

## **EXHIBIT C**

EXHIBIT C

CITY OF HENDERSON  
10-YEAR CONSTRUCTION PROGRAM  
ADOPTED

ADOPTED																	
				Existing Value/ Comments	Project Cost Per MPU	Total Plan	FIRST FIVE YEARS 7/2020 THRU 6/2025					SECOND FIVE YEARS 7/2025 THRU 6/2030					
							(Year 1) FY 20/21	(Year 2) FY 21/22	(Year 3) FY 22/23	(Year 4) FY 23/24	(Year 5) FY 24/25	(Year 6) FY 25/26	(Year 7) FY 26/27	(Year 8) FY 27/28	(Year 9) FY 28/29	(Year 10) FY 29/30	
TOTAL PLAN				Annual Resources		\$807,616,793	\$44,867,242	\$36,465,860	\$39,262,034	\$134,999,728	\$37,953,476	\$41,055,630	\$137,237,090	\$40,616,962	\$44,100,049	\$134,590,026	
Unencumbered from previous year		\$116,468,698	Cumulative Available Resources			\$758,469,780	\$33,629,204	\$32,658,268	\$25,421,651	\$33,700,360	\$42,806,282	\$43,961,616	\$70,506,237	\$28,437,575	\$60,635,461	\$49,147,013	
ENTITY RESOURCES				Annual Resources		\$54,870,699	\$8,900,779	\$2,593,815	\$2,792,706	\$9,602,523	\$2,699,629	\$2,920,285	\$9,761,666	\$2,889,082	\$3,136,834	\$9,573,381	
Unencumbered from previous year		\$5,709,375	Cumulative Available Resources				\$7,436,919	\$10,030,733	(\$2,656,267)	\$799,235	\$2,646,278	\$5,566,562	\$7,953,861	\$2,458,187	\$5,595,021	\$1,687,711	
ENTITY TOTAL					\$827,312,090	\$165,265,250	\$53,182,988	\$1,463,860	\$0	\$15,479,707	\$6,147,021	\$852,586	\$0	\$7,374,368	\$8,384,756	\$0	\$13,480,690
HYDROGRAPHIC BASIN: PITTMAN					\$627,639,150	\$144,761,050	\$53,182,988	\$1,463,860	\$0	\$15,479,707	\$6,147,021	\$852,586	\$0	\$7,374,368	\$8,384,756	\$0	\$13,480,690
SYSTEM: Pittman Burns					\$98,833,140	\$18,777,510	\$7,026,077	\$1,463,860	\$0	\$0	\$5,562,217	\$0	\$0	\$0	\$0	\$0	\$0
PROJECT: Pittman Sunset, Burns to Foster																	
Design/Admin		PTBH 0000, 0014, 0015	Design Started 19/20	\$980,240	\$5,562,217				\$412,016								
Right-of-way		PTSU 0034, 0037, 0067, 0069	HEN12K19	\$784,190													
Construction				\$4,901,200					\$5,150,201								
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: Lower Pittman					\$196,101,500	\$38,939,280	\$15,479,707	\$0	\$0	\$15,479,707	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PROJECT: Whitney Ranch Channel Replacement Project																	
Design/Admin		WWDC 0001, 0016, 0031, 0034, 0053, 0056, 0070	Design Started 18/19	\$1,162,130	\$15,479,707			\$1,012,691									
Right-of-way			HEN07F18	\$929,710													
Construction			Eng. Est.	\$5,810,690				\$14,467,016									
SYSTEM: Upper Pittman					\$39,658,020	\$51,885,240	\$30,677,204	\$0	\$0	\$0	\$584,804	\$852,586	\$0	\$7,374,368	\$8,384,756	\$0	\$13,480,690
PROJECT: Southeast Pittman Detention Basin																	
Design/Admin		PTBE 0062, 0063, 0064 & PTSO 0000		\$1,325,760	\$9,237,341					\$852,586			\$621,096				
Right-of-way				\$1,060,600													
Construction				\$6,628,770									\$7,763,660				
PROJECT: Pittman Gillespie																	
Design/Admin		PTGL 0001, 0011		\$982,710	\$7,264,104								\$670,460			\$488,420	
Right-of-way				\$786,160													
Construction				\$4,913,530												\$6,105,224	
PROJECT: Pittman Wash South Phase 1 - Pittman North Detention Basin to Larson Lane																	
Design/Admin		PTSD 0016, 0017, 0043		\$1,026,440	\$7,895,467								\$700,295			\$510,154	
Right-of-way				\$821,140									\$308,125				
Construction				\$5,132,170												\$6,376,892	
PROJECT: Southwest Pittman Detention Basin																	
Design/Admin		PTSD 0233, 0234 & PTN2 0167		\$927,550	\$6,280,291				\$584,804				\$421,885				
Right-of-way				\$742,040													
Construction			Developer Design	\$4,637,790									\$5,273,603				

EXHIBIT C

CITY OF LAS VEGAS  
10-YEAR CONSTRUCTION PROGRAM  
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2020 THRU 6/2025					SECOND FIVE YEARS 7/2025 THRU 6/2030							
		Fac. ID	Existing Value/	Project Cost	Total	(Year 1)	(Year 2)	(Year 3)	(Year 4)	(Year 5)	(Year 6)	(Year 7)	(Year 8)	(Year 9)	(Year 10)		
		Mile Range	Comments	Per MPU	Plan	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30		
TOTAL PLAN					Annual Resources	\$807,616,793	\$44,867,242	\$36,465,860	\$39,262,034	\$134,999,728	\$37,953,476	\$41,055,630	\$137,237,090	\$40,616,962	\$44,100,049	\$134,590,026	
Unencumbered from previous year		\$116,468,698	Cumulative Available Resources		\$758,469,780	\$33,629,204	\$32,658,268	\$25,421,651	\$33,700,360	\$42,806,282	\$43,961,616	\$70,506,237	\$28,437,575	\$60,635,461	\$49,147,013		
ENTITY RESOURCES					Annual Resources	\$272,290,298	\$38,983,789	\$13,164,126	\$14,173,541	\$48,734,718	\$13,701,153	\$14,821,027	\$49,542,403	\$14,662,668	\$15,920,058	\$48,586,816	
Unencumbered from previous year		\$22,786,776	Cumulative Available Resources			\$1,993,186	\$2,570,231	\$7,450,179	\$9,901,435	\$19,609,507	\$17,259,199	\$19,724,133	\$16,883,282	\$27,421,564	\$20,839,480		
ENTITY TOTAL			\$1,372,662,650	\$838,754,092	\$251,450,818	\$36,990,603	\$12,587,081	\$9,293,593	\$46,283,463	\$3,993,081	\$17,171,335	\$47,077,469	\$17,503,518	\$5,381,776	\$55,168,900		
HYDROGRAPHIC BASIN: CENTRAL			\$526,443,780	\$507,779,660	\$158,877,018	\$2,869,126	\$0	\$0	\$40,285,736	\$2,671,340	\$7,798,771	\$34,457,346	\$17,503,518	\$5,381,776	\$47,909,405		
SYSTEM: LV Wash I-15 Tributary			\$148,473,570	\$89,965,860	\$21,905,255	\$902,952	\$0	\$0	\$4,085,242	\$891,538	\$7,513,031	\$8,512,492	\$0	\$0	\$0		
	PROJECT: Freeway Channel - Washington, Valley View to Michael Way									\$891,538		\$630,555					
	Design/Admin	LV15 0602		\$1,386,330	\$9,404,030												
	Right-of-way			\$1,109,060													
	Construction			\$6,931,650						\$7,881,937							
	PROJECT: Freeway Channel - Washington, Rancho to Valley View																
	Design/Admin	LV15 0528		\$1,260,270	\$8,307,609				\$794,578		\$556,522						
	Right-of-way			\$1,008,210													
	Construction			\$6,301,330				\$6,956,509									
	PROJECT: Lake Mead - Carey - Lake Mead Detention Basin Outfall																
	Design/Admin	LVLM 0221	Design Started 19/20	\$20,790	\$555,000	\$8,316											
	Design/Admin		NLV19A19	\$16,630													
	Construction			\$103,930		\$546,684											
	PROJECT: Owens Avenue System - Vegas, Shadow Mountain to Jones																
	Design/Admin	LVOW 0360		\$579,920	\$3,638,616	\$347,952			\$243,753								
	Right-of-way			\$463,940													
	Construction			\$2,899,600				\$3,046,911									
SYSTEM: LV Wash Central			\$369,949,500	\$221,782,930	\$54,253,659	\$1,966,174	\$0	\$0	\$28,888,232	\$0	\$0	\$23,399,253	\$0	\$0	\$0		
	PROJECT: Las Vegas Wash - Stewart to Bonanza																
	Design/Admin	LVMD 1121 & 1149	Design Started 11/12	\$1,204,620	\$6,835,436				\$506,328								
	Right-of-way		CLA15D12 / LAS28C12	\$963,690													
	Construction			\$6,023,110					\$6,329,108								
	PROJECT: Meadows - Charleston, Essex to Lindell																
	Design/Admin	MECN 0000, 0061		\$1,362,180	\$8,546,804	\$817,308			\$572,554								
	Right-of-way			\$1,089,750													
	Construction			\$6,810,920				\$7,156,942									
	PROJECT: Las Vegas Wash - Stewart, Las Vegas Wash to Lamb																
	Design/Admin	LVST 0000		\$1,698,110	\$10,654,543	\$1,018,866			\$713,752								
	Right-of-way			\$1,358,490													
	Construction			\$8,490,570				\$8,921,925									
	PROJECT: Meadows Detention Basin Upgrade																
	Design/Admin	LCME 0018, 0021		\$117,440	\$2,415,000	\$130,000			\$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	\$25,801,876				\$2,402,623			\$1,733,281						
Right-of-way			\$3,048,610														
Construction			\$19,053,810					\$21,665,972									
SYSTEM: Sahara Boulder Highway			\$8,020,710	\$196,030,870	\$82,718,103	\$0	\$0	\$0	\$7,312,261	\$1,779,802	\$285,740	\$2,545,601	\$17,503,518	\$5,381,776	\$47,909,405		
	PROJECT: Boulder Highway Sahara Avenue - Eastern to Boulder Hwy.																
	Design/Admin	BHSA 0000, 0026	Pre -Design Started 09/10	\$2,767,570	\$19,283,321					\$1,779,802			\$1,296,559				
	Right-of-way		LAS27A09	\$2,214,050													
	Construction			\$13,837,830							\$16,206,960						
	PROJECT: Sahara Avenue - Eastern Lateral																
	Design/Admin	SAEA 0000		\$431,380	\$3,199,924						\$285,740			\$312,235			
	Right-of-way			\$345,100													
	Construction			\$2,156,890						\$2,601,949							
	PROJECT: Boulder Highway Sahara Avenue - Maryland to Eastern																
	Design/Admin	BHSA 0075		\$2,278,210	\$16,840,394							\$1,554,323			\$1,132,301		
	Right-of-way			\$1,822,570													
	Construction			\$11,391,060									\$14,153,771				
	PROJECT: Boulder Highway Sahara Avenue - LV Blvd. to Maryland																
	Design/Admin	BHSA 0175		\$3,409,190	\$25,342,176										\$2,467,591	\$1,694,413	
	Right-of-way			\$2,727,350													
	Construction			\$17,045,960										\$21,180,172			
	PROJECT: Flamingo - Boulder Hwy. North, Charleston - Main to Maryland																
	Design/Admin	FLBN 0281, 0312	design start in 17/18	\$1,288,650	\$7,312,261				\$541,647								
	Right-of-way		LAS29D17	\$1,030,920													
	Construction			\$6,443,270				\$6,770,614									
	Design/Admin	LVBZ 0000 CACH 0001, 0020		\$1,452,940	\$10,740,027							\$991,278			\$722,130		
	Right-of-way			\$1,162,350													
	Construction			\$7,264,690									\$9,026,619				

EXHIBIT C

CITY OF LAS VEGAS  
10-YEAR CONSTRUCTION PROGRAM  
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2020 THRU 6/2025					SECOND FIVE YEARS 7/2025 THRU 6/2030						
		Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 20/21	(Year 2) FY 21/22	(Year 3) FY 22/23	(Year 4) FY 23/24	(Year 5) FY 24/25	(Year 6) FY 25/26	(Year 7) FY 26/27	(Year 8) FY 27/28	(Year 9) FY 28/29	(Year 10) FY 29/30	
TOTAL PLAN					Annual Resources	\$807,616,793	\$44,867,242	\$36,465,860	\$39,262,034	\$134,999,728	\$37,953,476	\$41,055,630	\$137,237,090	\$40,616,962	\$44,100,049	\$134,590,026
Unencumbered from previous year		\$116,468,698	Cumulative Available Resources		\$758,469,780	\$33,629,204	\$32,658,268	\$25,421,651	\$33,700,360	\$42,806,282	\$43,961,616	\$70,506,237	\$28,437,575	\$60,635,461	\$49,147,013	
ENTITY RESOURCES					Annual Resources	\$272,290,298	\$38,983,789	\$13,164,126	\$14,173,541	\$48,734,718	\$13,701,153	\$14,821,027	\$49,542,403	\$14,662,668	\$15,920,058	\$48,586,816
Unencumbered from previous year		\$22,786,776	Cumulative Available Resources			\$1,993,186	\$2,570,231	\$7,450,179	\$9,901,435	\$19,609,507	\$17,259,199	\$19,724,133	\$16,883,282	\$27,421,564	\$20,839,480	
ENTITY TOTAL			\$1,372,662,650	\$838,754,092	\$251,450,818	\$36,990,603	\$12,587,081	\$9,293,593	\$46,283,463	\$3,993,081	\$17,171,335	\$47,077,469	\$17,503,518	\$5,381,776	\$55,168,900	
HYDROGRAPHIC BASIN: GOWAN			\$447,692,150	\$127,415,880	\$77,620,088	\$33,487,282	\$12,587,081	\$971,802	\$0	\$1,321,741	\$9,372,564	\$12,620,123	\$0	\$0	\$7,259,495	
SYSTEM: Gowan North			\$273,309,150	\$126,944,520	\$77,620,088	\$33,487,282	\$12,587,081	\$971,802	\$0	\$1,321,741	\$9,372,564	\$12,620,123	\$0	\$0	\$7,259,495	
PROJECT: Gowan Box Canyon - Lone Mountain Road																
Design/Admin		GOBX 0015	Design started in 15/16	\$1,081,940	\$7,259,495										\$537,739	
Right-of-way			LAS24I15	\$865,550												
Construction				\$5,409,720											\$6,721,757	
PROJECT: Gowan Outfall - Alexander Rd., Decatur Blvd. to Simmons Street																
Design/Admin		GOOF 0275, 0285 0325, 0375	Design started 16/17	\$5,009,330	\$33,487,282	\$2,003,732										
Right-of-way			NLV04K17	\$4,007,480												
Construction			Engr's Est.	\$25,046,670		\$31,483,550										
PROJECT: Gowan Outfall - Clayton Branch																
Design/Admin		GOCL 0000		\$2,055,290	\$13,941,864					\$1,321,741		\$934,823				
Right-of-way				\$1,644,230												
Construction				\$10,276,460							\$11,685,300					
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	\$7,219,112		\$534,751									
Right-of-way			LAS24L17	\$1,058,910												
Construction				\$6,618,180		\$6,684,362										
PROJECT: Gowan - Alexander Rd., Rancho to Decatur																
Design/Admin		GOAL 0000, 0056	Design Started in 13/14	\$1,832,700	\$5,367,968		\$740,411									
Right-of-way			LAS30A13	\$1,466,160												
Construction			Engr's Est.	\$9,163,480		\$4,627,557										
PROJECT: Gowan - Craig and US-95																
Design/Admin		GOAL 0168, 0247		\$1,572,190	\$10,344,366			\$971,802			\$694,263					
Right-of-way				\$1,257,750												
Construction				\$7,860,960							\$8,678,301					
HYDROGRAPHIC BASIN: UPPER NORTHERN LV WASH			\$398,526,720	\$203,558,552	\$14,953,712	\$634,195	\$0	\$8,321,791	\$5,997,727	\$0	\$0	\$0	\$0	\$0	\$0	
SYSTEM: Upper Western Tributary			\$264,027,000	\$37,904,552	\$14,953,712	\$634,195	\$0	\$8,321,791	\$5,997,727	\$0	\$0	\$0	\$0	\$0	\$0	
PROJECT: Brent Drainage System - Durango to OHare																
Design/Admin		BRDB 0107, 0157	Design Started 19/20	\$1,495,900	\$8,321,791			\$616,430								
Right-of-way			LAS22U19	\$1,196,720												
Construction				\$7,479,480				\$7,705,360								
PROJECT: Centennial Pkwy Channel West - Farm Rd - Oso Blanca to Tee Pee																
Design/Admin		CNFR 0000		\$1,056,991	\$6,631,922	\$634,195			\$444,276							
Right-of-way				\$845,593												
Construction				\$5,284,954				\$5,553,451								



EXHIBIT C

CITY OF NORTH LAS VEGAS  
10-YEAR CONSTRUCTION PROGRAM  
ADOPTED

ADOPTED																
					FIRST FIVE YEARS 7/2020 THRU 6/2025					SECOND FIVE YEARS 7/2025 THRU 6/2030						
		Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 20/21	(Year 2) FY 21/22	(Year 3) FY 22/23	(Year 4) FY 23/24	(Year 5) FY 24/25	(Year 6) FY 25/26	(Year 7) FY 26/27	(Year 8) FY 27/28	(Year 9) FY 28/29	(Year 10) FY 29/30	
TOTAL PLAN					Annual Resources	\$807,616,793	\$44,867,242	\$36,465,860	\$39,262,034	\$134,999,728	\$37,953,476	\$41,055,630	\$137,237,090	\$40,616,962	\$44,100,049	\$134,590,026
Unencumbered from previous year		\$116,468,698	Cumulative Available Resources		\$758,469,780	\$33,629,204	\$32,658,268	\$25,421,651	\$33,700,360	\$42,806,282	\$43,961,616	\$70,506,237	\$28,437,575	\$60,635,461	\$49,147,013	
ENTITY RESOURCES					Annual Resources	\$174,152,191	\$17,792,515	\$8,822,465	\$9,498,964	\$32,661,518	\$9,182,375	\$9,932,903	\$33,202,820	\$9,826,773	\$10,669,463	\$32,562,396
Unencumbered from previous year		\$6,937,439	Cumulative Available Resources			\$4,879,818	\$7,354,854	\$2,094,611	\$8,791,226	\$14,228,542	\$7,395,202	\$12,998,197	\$7,025,744	\$17,695,207	\$11,057,562	
ENTITY TOTAL			\$819,252,740	\$562,124,556	\$163,094,628	\$12,912,697	\$6,347,428	\$14,759,208	\$25,964,903	\$3,745,059	\$16,766,242	\$27,599,826	\$15,799,225	\$0	\$39,200,040	
	HYDROGRAPHIC BASIN: LOWER NORTHERN LV WASH		\$420,934,570	\$182,748,946	\$30,354,339	\$1,489,392	\$6,347,428	\$7,819,743	\$6,930,824	\$0	\$7,766,952	\$0	\$0	\$0	\$0	
	SYSTEM: LV Wash Craig		\$192,994,230	\$37,622,500	\$6,755,395	\$646,002	\$0	\$0	\$6,109,393	\$0	\$0	\$0	\$0	\$0	\$0	
	PROJECT: North Las Vegas Detention Basin Upgrade															
	Design/Admin	LVUP 0406		\$1,076,670	\$6,755,395	\$646,002			\$452,548							
	Right-of-way			\$861,340												
	Construction			\$5,383,350			\$5,656,846									
SYSTEM: Cheyenne Lamb Nellis			\$79,573,170	\$132,642,546	\$23,598,944	\$843,390	\$6,347,428	\$7,819,743	\$821,430	\$0	\$7,766,952	\$0	\$0	\$0	\$0	
	PROJECT: Lake Mead Drain to Las Vegas Wash															
	Design/Admin	LVLE 0000, 0047		\$1,405,650	\$8,663,133	\$843,390		\$579,240								
	Right-of-way			\$1,124,520												
	Construction			\$7,028,250			\$7,240,503									
	PROJECT: Las Vegas Boulevard Drain															
	Design/Admin	LVLV 0000		\$1,302,860	\$8,588,382				\$821,430		\$575,330					
	Right-of-way			\$1,042,290												
	Construction			\$6,514,300				\$7,191,622								
	PROJECT: Las Vegas Wash Cartier Channel															
	Design/Admin	LVCC 0000, 0030, 0035	Design Started 19/20	\$1,163,815	\$6,347,428		\$470,181									
Right-of-way	NLV10L19		\$931,046													
Construction	RTC Lead		\$5,819,056	\$5,877,247												

EXHIBIT C

CITY OF NORTH LAS VEGAS  
10-YEAR CONSTRUCTION PROGRAM  
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2020 THRU 6/2025					SECOND FIVE YEARS 7/2025 THRU 6/2030							
	Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 20/21	(Year 2) FY 21/22	(Year 3) FY 22/23	(Year 4) FY 23/24	(Year 5) FY 24/25	(Year 6) FY 25/26	(Year 7) FY 26/27	(Year 8) FY 27/28	(Year 9) FY 28/29	(Year 10) FY 29/30			
TOTAL PLAN				Annual Resources	\$807,616,793	\$44,867,242	\$36,465,860	\$39,262,034	\$134,999,728	\$37,953,476	\$41,055,630	\$137,237,090	\$40,616,962	\$44,100,049	\$134,590,026		
Unencumbered from previous year		\$116,468,698	Cumulative Available Resources		\$758,469,780	\$33,629,204	\$32,658,268	\$25,421,651	\$33,700,360	\$42,806,282	\$43,961,616	\$70,506,237	\$28,437,575	\$60,635,461	\$49,147,013		
ENTITY RESOURCES				Annual Resources	\$174,152,191	\$17,792,515	\$8,822,465	\$9,498,964	\$32,661,518	\$9,182,375	\$9,932,903	\$33,202,820	\$9,826,773	\$10,669,463	\$32,562,396		
Unencumbered from previous year		\$6,937,439	Cumulative Available Resources			\$4,879,818	\$7,354,854	\$2,094,611	\$8,791,226	\$14,228,542	\$7,395,202	\$12,998,197	\$7,025,744	\$17,695,207	\$11,057,562		
ENTITY TOTAL				\$819,252,740	\$562,124,556	\$163,094,628	\$12,912,697	\$6,347,428	\$14,759,208	\$25,964,903	\$3,745,059	\$16,766,242	\$27,599,826	\$15,799,225	\$0	\$39,200,040	
HYDROGRAPHIC BASIN: RANGE				\$196,209,210	\$262,708,330	\$103,303,507	\$11,423,305	\$0	\$6,939,465	\$19,034,079	\$1,291,580	\$5,629,860	\$3,985,953	\$15,799,225	\$0	\$39,200,040	
SYSTEM: Lower Range				\$92,621,110	\$53,363,990	\$29,547,684	\$1,800,000	\$0	\$6,939,465	\$18,687,629	\$0	\$2,120,590	\$0	\$0	\$0	\$0	
PROJECT: Orchard Collector - Charleston to Linden																	
Design/Admin		SLOR 0158	Design Started 00/01	\$428,160	\$6,939,465												
Right-of-way			CLA21A00	\$342,530													
Construction			Est.	\$2,140,810							\$6,485,481						
PROJECT: Jim McGaughey Detention Basin & Outfall																	
Design/Admin		SLWA 0130 thru 0175 & SLOW 0000, 0005	Design Started 17/18	\$961,680	\$20,263,354												
Right-of-way			CLA36A18	\$769,320		\$1,800,000						\$1,207,883					
Construction			Eng. Est	\$4,808,280							\$17,255,471						
PROJECT: Range Wash - Sloan Channel, Stewart Bridge																	
Design/Admin		RWSL 0187		\$355,720	\$2,344,865												
Right-of-way				\$284,570							\$224,275						
Construction				\$1,778,580							\$1,963,507						
SYSTEM: West Range				\$85,613,560	\$145,159,210	\$61,035,365	\$0	\$0	\$0	\$346,450	\$1,291,580	\$3,509,271	\$3,985,953	\$12,702,072	\$0	\$39,200,040	
PROJECT: Nellis Storm Drain - Sloan Channel to Craig																	
Design/Admin		SLNL 0000, 0064		\$3,256,870	\$24,074,599												
Right-of-way				\$2,605,500							\$2,222,020						
Construction				\$16,284,370													
PROJECT: Las Vegas Boulevard Storm Drain - Nellis to Range																	
Design/Admin		SLLV 0000		\$2,585,440	\$19,111,394												
Right-of-way				\$2,068,350							\$1,763,933						
Construction				\$12,927,190													
PROJECT: Range Wash - Beltway Conveyance																	
Design/Admin		RWBW 0035, 0037, 0066, 0083, & RWWE 0518, 0520, 0550		\$2,008,390	\$13,993,652						\$1,291,580						
Right-of-way				\$1,606,720													
Construction				\$10,041,930								\$11,761,176					
PROJECT: Beltway Collection System - Pecos																	
Design/Admin		RWWE 0500 & RWBW 0011, 0013		\$549,500	\$3,855,721						\$346,450						
Right-of-way				\$439,600							\$242,654						
Construction				\$2,958,960							\$3,266,617						
SYSTEM: East Range				\$17,974,540	\$64,185,130	\$12,720,458	\$9,623,305	\$0	\$0	\$0	\$0	\$0	\$0	\$3,097,153	\$0	\$0	
PROJECT: Hollywood System, Centennial Pkwy to Speedway #2 Detention Basin																	
Design/Admin		RWHW 0300, 0355, 0369, 0410	Design started 16/17	\$1,022,710	\$9,623,305	\$629,562											
Right-of-way			NLV03G17	\$818,160													
Construction				\$5,113,510		\$8,993,743											
PROJECT: Speedway North Detention Basin and Outfall																	
Design/Admin		RWHW 0459, 0498, 0499, 0500		\$1,888,870	\$3,097,153												
Right-of-way				\$1,511,090							\$1,327,354						
Construction				\$9,444,330							\$1,769,799						
HYDROGRAPHIC BASIN: Apex				\$10,556,880	\$76,028,740	\$29,436,782	\$0	\$0	\$0	\$0	\$2,453,480	\$3,369,430	\$23,613,873	\$0	\$0	\$0	
PROJECT: North Apex - System 1 Detention Basin and Outfall																	
Design/Admin		NAP1 0000, 0002, 0009, 0152, 0153, 0154		\$3,815,130	\$29,436,782						\$2,453,480						
Right-of-way				\$3,052,090							\$3,369,430						
Construction				\$19,240,810							\$21,878,608						

EXHIBIT C

CLARK COUNTY  
10-YEAR CONSTRUCTION PROGRAM  
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2020 THRU 6/2025					SECOND FIVE YEARS 7/2025 THRU 6/2030						
		Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 20/21	(Year 2) FY 21/22	(Year 3) FY 22/23	(Year 4) FY 23/24	(Year 5) FY 24/25	(Year 6) FY 25/26	(Year 7) FY 26/27	(Year 8) FY 27/28	(Year 9) FY 28/29	(Year 10) FY 29/30	
TOTAL PLAN					Annual Resources	\$807,616,793	\$44,867,242	\$36,465,860	\$39,262,034	\$134,999,728	\$37,953,476	\$41,055,630	\$137,237,090	\$40,616,962	\$44,100,049	\$134,590,026
Unencumbered from previous year		\$116,468,698	Cumulative Available Resources		\$758,469,780	\$33,629,204	\$32,658,268	\$25,421,651	\$33,700,360	\$42,806,282	\$43,961,616	\$70,506,237	\$28,437,575	\$60,635,461	\$49,147,013	
ENTITY RESOURCES					Annual Resources	\$265,839,619	\$83,599,935	\$10,282,723	\$11,071,194	\$38,067,518	\$10,702,204	\$11,576,956	\$38,698,414	\$11,453,259	\$12,435,428	\$37,951,989
Unencumbered from previous year		\$70,948,172	Cumulative Available Resources			\$15,426,610	\$7,668,278	\$12,006,008	\$10,338,389	\$5,797,198	\$13,655,498	\$24,087,936	\$3,298,609	\$10,256,398	\$11,224,729	
ENTITY TOTAL			\$1,546,663,704	\$704,485,104	\$254,614,890	\$68,173,325	\$18,041,055	\$6,733,463	\$39,735,137	\$15,243,395	\$3,718,656	\$28,265,976	\$32,242,586	\$5,477,639	\$36,983,657	
HYDROGRAPHIC BASIN: Tropicana/ Flamingo			\$949,729,850	\$164,588,950	\$118,956,001	\$34,586,096	\$1,372,489	\$6,733,463	\$3,199,548	\$1,908,525	\$3,547,400	\$14,864,915	\$32,242,586	\$3,793,420	\$16,707,559	
SYSTEM: Tropicana Flamingo Project			\$484,469,310	\$23,344,000	\$15,483,722	\$0	\$0	\$0	\$334,376	\$0	\$3,161,673	\$0	\$1,136,473	\$0	\$10,851,199	
	PROJECT: Blue Diamond - Buffalo Branch															
	Design/Admin	BDBF 0010, 0076, 0125		\$1,617,240	\$11,987,673								\$1,136,473		\$803,790	
	Design/Admin			\$1,293,800												
	Construction			\$8,086,230							\$10,047,409					
	PROJECT: Flamingo - Cimarron Branch															
	Design/Admin	FLCM 0003		\$530,350	\$3,496,049				\$334,376		\$234,197					
	Right-of-way			\$424,280												
Construction			\$2,651,760			\$2,927,476										
SYSTEM: Lower Flamingo			\$332,587,410	\$99,159,190	\$52,690,506	\$34,183,424	\$1,372,489	\$0	\$2,865,172	\$0	\$0	\$14,269,421	\$0	\$0	\$0	
	PROJECT: Wagon Trail Channel - Sunset to Teco															
	1st Supplement	WGTR 0111	Design Started 18/19	\$251,650	\$1,372,489		\$101,667									
	Right-of-way		CLA10I19	\$201,320												
	Construction			\$1,258,240			\$1,270,822									
	PROJECT: Flamingo Wash, Maryland to Palos Verde															
	Design/Admin	FLWA 0621 & 0673	Design Started 18/19	\$534,210	\$7,433,424	\$486,299										
	Right-of-way		CLA04Y19	\$427,360												
	Construction		Eng. Est.	\$2,671,030		\$6,947,125										
	Design/Admin	FLMR 0000		\$970,640	\$6,571,988				\$611,971			\$441,484				
	Right-of-way			\$776,510												
	Construction			\$4,853,190					\$5,518,533							
	Design/Admin	TRMC 0013, 0014, 0031, 0033	Design Started 13/14	\$1,114,250	\$26,750,000	\$1,750,000										
	Right-of-way		CLA10H13	\$891,390												
	Construction		Eng. Est.	\$5,571,230		\$25,000,000										
	Design/Admin	VAVD 0000 & 0025		\$1,353,250	\$9,162,605				\$853,200			\$615,509				
	Right-of-way			\$1,082,600												
	Construction			\$6,766,280					\$7,693,896							
	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									
SYSTEM: Lower LV Wash Tributaries			\$21,817,390	\$37,218,650	\$50,781,773	\$402,672	\$0	\$6,733,463	\$0	\$1,908,525	\$385,727	\$595,494	\$31,106,113	\$3,793,420	\$5,856,360	
	PROJECT: Tropicana Avenue Conveyance - Morris to Mountain Vista															
	Design/Admin	LV01 0151, 0176		\$872,830	\$6,451,854							\$595,494			\$433,808	
	Right-of-way			\$698,260												
	Construction			\$4,364,110							\$5,422,552					
	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	\$4,179,147						\$385,727			\$280,996		
	Right-of-way			\$465,860												
	Construction			\$2,911,630						\$3,512,424						
	PROJECT: Las Vegas Wash - Branch 02 - Jimmy Durante to Boulder Hwy															
	Design/Admin	LV02 0209, 0273, 0282, 0294		\$671,120	\$7,136,135	\$402,672		\$276,555								
	Right-of-way			\$536,890												
	Construction			\$3,355,570			\$6,456,908									
	PROJECT: Las Vegas Wash - Branch 02 - Monson Chnl - Las Vegas Wash to Flamingo															
	Design/Admin	LV02 0001, 0125, 0127		\$1,925,890	\$13,418,847					\$1,238,525				\$902,246		
Right-of-way			\$1,540,710													
Construction			\$9,629,450						\$11,278,077							

EXHIBIT C

CLARK COUNTY  
10-YEAR CONSTRUCTION PROGRAM  
ADOPTED

ADOPTED																
					FIRST FIVE YEARS 7/2020 THRU 6/2025					SECOND FIVE YEARS 7/2025 THRU 6/2030						
		Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 20/21	(Year 2) FY 21/22	(Year 3) FY 22/23	(Year 4) FY 23/24	(Year 5) FY 24/25	(Year 6) FY 25/26	(Year 7) FY 26/27	(Year 8) FY 27/28	(Year 9) FY 28/29	(Year 10) FY 29/30	
TOTAL PLAN					Annual Resources	\$807,616,793	\$44,867,242	\$36,465,860	\$39,262,034	\$134,999,728	\$37,953,476	\$41,055,630	\$137,237,090	\$40,616,962	\$44,100,049	\$134,590,026
Unencumbered from previous year		\$116,468,698	Cumulative Available Resources		\$758,469,780	\$33,629,204	\$32,658,268	\$25,421,651	\$33,700,360	\$42,806,282	\$43,961,616	\$70,506,237	\$28,437,575	\$60,635,461	\$49,147,013	
ENTITY RESOURCES					Annual Resources	\$265,839,619	\$83,599,935	\$10,282,723	\$11,071,194	\$38,067,518	\$10,702,204	\$11,576,956	\$38,698,414	\$11,453,259	\$12,435,428	\$37,951,989
Unencumbered from previous year		\$70,948,172	Cumulative Available Resources			\$15,426,610	\$7,668,278	\$12,006,008	\$10,338,389	\$5,797,198	\$13,655,498	\$24,087,936	\$3,298,609	\$10,256,398	\$11,224,729	
ENTITY TOTAL			\$1,546,663,704	\$704,485,104	\$254,614,890	\$68,173,325	\$18,041,055	\$6,733,463	\$39,735,137	\$15,243,395	\$3,718,656	\$28,265,976	\$32,242,586	\$5,477,639	\$36,983,657	
HYDROGRAPHIC BASIN: Duck Creek/ Blue Diamond			\$512,285,110	\$301,091,860	\$58,264,907	\$12,278,852	\$12,624,476	\$0	\$33,361,579	\$0	\$0	\$0	\$0	\$0	\$0	
SYSTEM: Blue Diamond Tributaries			\$76,756,840	\$61,719,030	\$25,583,708	\$7,551,892	\$10,406,976	\$0	\$7,624,840	\$0	\$0	\$0	\$0	\$0	\$0	
	PROJECT: Blue Diamond Wash - Arville to I-15															
	Design/Admin	BDWA 0276	Design Started 18/19	\$1,050,120	\$5,670,638	\$420,048										
	Right-of-way		CLA16O19	\$840,090												
	Construction			\$5,250,590												
	Design/Admin	DCBD 0075, 0082 & 0084	Design Started 18/19	\$991,380	\$10,406,976		\$400,518									
	Right-of-way		CLA39A19	\$793,100												
	Construction			\$4,956,890			\$10,006,459									
	PROJECT: Blue Diamond Channel, Amigo to Haven															
	Design/Admin	BDWA 0087, 0111, 0113, 0137, 0139, 0174, 0175		\$1,343,740	\$9,506,094	\$806,244			\$564,803							
	Right-of-way			\$1,075,010												
	Construction			\$6,718,700			\$7,060,037									
	SYSTEM: Upper Duck Creek			\$123,500,470	\$75,203,030	\$9,699,953	\$4,726,960	\$0	\$0	\$4,972,993	\$0	\$0	\$0	\$0	\$0	\$0
	PROJECT: Blue Diamond Channel 02, Decatur - Le Baron to Richmar															
	Design/Admin	BD02 0334	RTC Project		\$3,500,000	\$500,000										
	Right-of-way		No Design													
	Construction			\$3,000,000												
	PROJECT: Blue Diamond Wash Railroad															
	Design/Admin	BDW5 0026		\$876,400	\$6,199,953	\$525,840			\$368,370							
	Right-of-way			\$701,120												
Construction			\$4,382,000			\$4,604,623										
SYSTEM: Lower Duck Creek			\$176,428,900	\$39,736,410	\$22,981,246	\$0	\$2,217,499	\$0	\$20,763,746	\$0	\$0	\$0	\$0	\$0	\$0	
	PROJECT: Duck Creek, Sunset Park															
	Design/Admin	DCSP 0000, 0115		\$3,659,240	\$22,981,246		\$2,217,499		\$1,538,058							
	Right-of-way			\$2,927,390												
	Construction			\$18,296,170			\$19,225,689									

EXHIBIT C

CLARK COUNTY  
10-YEAR CONSTRUCTION PROGRAM  
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2020 THRU 6/2025					SECOND FIVE YEARS 7/2025 THRU 6/2030						
		Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 20/21	(Year 2) FY 21/22	(Year 3) FY 22/23	(Year 4) FY 23/24	(Year 5) FY 24/25	(Year 6) FY 25/26	(Year 7) FY 26/27	(Year 8) FY 27/28	(Year 9) FY 28/29	(Year 10) FY 29/30	
TOTAL PLAN					Annual Resources	\$807,616,793	\$44,867,242	\$36,465,860	\$39,262,034	\$134,999,728	\$37,953,476	\$41,055,630	\$137,237,090	\$40,616,962	\$44,100,049	\$134,590,026
Unencumbered from previous year		\$116,468,698	Cumulative Available Resources		\$758,469,780	\$33,629,204	\$32,658,268	\$25,421,651	\$33,700,360	\$42,806,282	\$43,961,616	\$70,506,237	\$28,437,575	\$60,635,461	\$49,147,013	
ENTITY RESOURCES					Annual Resources	\$265,839,619	\$83,599,935	\$10,282,723	\$11,071,194	\$38,067,518	\$10,702,204	\$11,576,956	\$38,698,414	\$11,453,259	\$12,435,428	\$37,951,989
Unencumbered from previous year		\$70,948,172	Cumulative Available Resources			\$15,426,610	\$7,668,278	\$12,006,008	\$10,338,389	\$5,797,198	\$13,655,498	\$24,087,936	\$3,298,609	\$10,256,398	\$11,224,729	
ENTITY TOTAL			\$1,546,663,704	\$704,485,104	\$254,614,890	\$68,173,325	\$18,041,055	\$6,733,463	\$39,735,137	\$15,243,395	\$3,718,656	\$28,265,976	\$32,242,586	\$5,477,639	\$36,983,657	
HYDROGRAPHIC BASIN: Outlying Areas			\$84,648,744	\$238,804,294	\$77,393,981	\$21,308,377	\$4,044,090	\$0	\$3,174,010	\$13,334,870	\$171,256	\$13,401,061	\$0	\$1,684,219	\$20,276,098	
SYSTEM: Goodsprings			\$144,121	\$5,720,856	\$2,867,500	\$2,867,500	\$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	\$2,867,500	\$185,000										
	Right-of-way		GSP01B10	\$370,002		\$370,002										
	Construction			\$2,312,498		\$2,312,498										
SYSTEM: Muddy River & Tributaries			\$25,323,000	\$118,662,000	\$48,304,208	\$12,452,852	\$2,446,708	\$0	\$0	\$13,334,870	\$0	\$1,359,979	\$0	\$0	\$18,709,799	
	PROJECT: Fairgrounds - Detention Basin (Whipple Street)															
	Design/Admin	FGWS 0000, 0075, 0105, 0128, 0164, 0165, 0166	Design Started 10/11	\$1,197,000	\$12,452,852	\$609,852										
	Right-of-way		MOA03A11	\$0												
	Construction		Eng. Est.	\$8,344,000		\$11,843,000										
	PROJECT: Muddy River - Cooper to Yamashita															
	Design/Admin	MRLV 0395 thru 0508	Design Started 88/89	\$1,267,000	\$15,781,578		\$977,956			\$691,877						
	Right-of-way		MOA01B89	\$1,141,713			\$1,468,752									
	Construction			\$9,261,000						\$12,642,994						
	PROJECT: Ryan Avenue to Lewis															
	Design/Admin	MRLV 0184, 0198, 0240, 0268, 0276	Design Started 88/89	\$1,565,000	\$20,069,777							\$1,359,979				\$990,724
	Right-of-way		MOA01B89	\$0												
	Construction			\$11,196,000										\$17,719,075		
SYSTEM: Mount Charleston			\$24,198	\$1,587,384	\$1,725,565	\$0	\$0	\$0	\$0	\$0	\$0	\$159,265	\$0	\$0	\$0	\$1,566,300
	PROJECT: Rainbow Canyon Boulevard Bridge															
	Design/Admin	MTCH 0001		\$233,439	\$1,725,565							\$159,265				\$116,022
	Right-of-way			\$186,751												
	Construction			\$1,167,194										\$1,450,277		
SYSTEM: Laughlin			\$45,336,505	\$103,177,772	\$15,262,440	\$206,614	\$0	\$0	\$3,174,010	\$0	\$0	\$11,881,817	\$0	\$0	\$0	\$0
	PROJECT: Bridge Canyon Detention Basin															
	Design/Admin	LUHS 0415, 0416 , 0417		\$1,935,054	\$13,101,834				\$1,220,017			\$880,135				
	Right-of-way			\$1,548,043												
	Construction			\$9,675,262						\$11,001,682						
	PROJECT: Hiko Detention Basin Expansion															
	Design/Admin	LUHS 0244		\$344,356	\$2,160,606	\$206,614			\$144,740							
	Right-of-way			\$275,485												
	Construction			\$1,721,779				\$1,809,252								
SYSTEM: Searchlight			\$3,608,566	\$6,697,676	\$7,636,886	\$5,781,411	\$0	\$0	\$0	\$0	\$171,256	\$0	\$0	\$0	\$1,684,219	\$0
	PROJECT: Searchlight - West - State Hwy 164															
	Design/Admin	SRWE 0001, 0002, 0005 & 0023	Design Started 19/20	\$700,263	\$5,781,411	\$280,105										
	Right-of-way		SEA02B19	\$560,211												
	Construction			\$3,501,306		\$5,501,306										
	PROJECT: Searchlight - West															
	Design/Admin	SRWE 0049, 0068, 0091		\$258,545	\$1,855,475						\$171,256				\$124,758	
	Right-of-way			\$206,836												
	Construction			\$1,292,718								\$1,559,461				
SYSTEM: Bunkerville			\$10,212,354	\$2,958,606	\$1,597,382	\$0	\$1,597,382	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	PROJECT: Jess Waite Wash Diversion Dike															
	Design/Admin	JEWA 0166	Design Started 10/11	\$70,167	\$1,597,382		\$30,074									
	Right-of-way		BUN01D11	\$0												
	Construction			\$1,462,711			\$1,567,308									

EXHIBIT C

CITY OF BOULDER CITY  
10-YEAR CONSTRUCTION PROGRAM  
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2020 THRU 6/2025					SECOND FIVE YEARS 7/2025 THRU 6/2030						
		Fac. ID	Existing Value/	Project Cost	Total	(Year 1)	(Year 2)	(Year 3)	(Year 4)	(Year 5)	(Year 6)	(Year 7)	(Year 8)	(Year 9)	(Year 10)	
		Mile Range	Comments	Per MPU	Plan	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	
TOTAL PLAN					Annual Resources	\$807,616,793	\$44,867,242	\$36,465,860	\$39,262,034	\$134,999,728	\$37,953,476	\$41,055,630	\$137,237,090	\$40,616,962	\$44,100,049	\$134,590,026
Unencumbered from previous year		\$116,468,698	Cumulative Available Resources		\$758,469,780	\$33,629,204	\$32,658,268	\$25,421,651	\$33,700,360	\$42,806,282	\$43,961,616	\$70,506,237	\$28,437,575	\$60,635,461	\$49,147,013	
ENTITY RESOURCES					Annual Resources	\$10,271,134	(\$100,303)	\$585,200	\$630,072	\$2,166,459	\$609,073	\$658,856	\$2,202,364	\$651,816	\$707,712	\$2,159,884
Unencumbered from previous year		(\$820,327)	Cumulative Available Resources			(\$100,303)	\$23,664	\$421,058	\$2,557,021	(\$1,239,113)	(\$2,824,320)	(\$918,962)	(\$659,470)	(\$994,506)	\$1,165,379	
ENTITY TOTAL			\$70,034,560	\$37,286,080	\$9,105,756	\$0	\$461,233	\$232,679	\$30,496	\$4,405,206	\$2,244,063	\$297,007	\$392,324	\$1,042,748	\$0	
HYDROGRAPHIC BASIN: Boulder City			\$70,034,560	\$37,286,080	\$9,105,756	\$0	\$461,233	\$232,679	\$30,496	\$4,405,206	\$2,244,063	\$297,007	\$392,324	\$1,042,748	\$0	
SYSTEM: Georgia/Buchanan			\$17,476,410	\$9,512,310	\$8,498,414	\$0	\$461,233	\$232,679	\$0	\$4,405,206	\$2,244,063	\$0	\$112,485	\$1,042,748	\$0	
	PROJECT: Avenue I Storm Drain															
	Design/Admin	GBGR 0189, 0204, 0216, 0218, 0302		\$761,110	\$4,866,439		\$461,233			\$326,309						
	Right-of-way			\$0												
	Construction			\$3,805,580					\$4,078,897							
	PROJECT: Georgia Buchanan Confluence Facilities															
	Design/Admin	GBGR 0003, GBBC 0020		\$376,430	\$2,476,741			\$232,679			\$166,228					
	Right-of-way			\$0												
	Construction			\$1,882,140					\$2,077,835							
	PROJECT: Georgia Avenue Facilities - Vaquero Drive Bridge															
	Design/Admin	GBGR 0099		\$160,070	\$1,155,233								\$112,485	\$77,240		
	Right-of-way			\$0												
	Construction			\$800,360						\$965,509						
	SYSTEM: North Railroad			\$18,856,160	\$290,230	\$327,503	\$0	\$0	\$0	\$30,496	\$0	\$0	\$297,007	\$0	\$0	\$0
		PROJECT: Wells Drive Levee Lining														
		Design/Admin	NRIN 0088		\$48,370	\$327,503				\$30,496			\$22,000			
Right-of-way				\$0												
Construction				\$241,850					\$275,006							
SYSTEM: West Airport			\$11,464,040	\$23,987,210	\$279,839	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$279,839	\$0	\$0	
	PROJECT: West Airport Facilities															
	Design/Admin	WAAP 0036, 0076, 0077		\$398,220	\$279,839								\$279,839			
	Right-of-way			\$0												
	Construction			\$1,991,110												

EXHIBIT C

CITY OF MESQUITE  
10-YEAR CONSTRUCTION PROGRAM  
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2020 THRU 6/2025					SECOND FIVE YEARS 7/2025 THRU 6/2030						
		Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 20/21	(Year 2) FY 21/22	(Year 3) FY 22/23	(Year 4) FY 23/24	(Year 5) FY 24/25	(Year 6) FY 25/26	(Year 7) FY 26/27	(Year 8) FY 27/28	(Year 9) FY 28/29	(Year 10) FY 29/30	
TOTAL PLAN					Annual Resources	\$807,616,793	\$44,867,242	\$36,465,860	\$39,262,034	\$134,999,728	\$37,953,476	\$41,055,630	\$137,237,090	\$40,616,962	\$44,100,049	\$134,590,026
Unencumbered from previous year		\$116,468,698	Cumulative Available Resources		\$758,469,780	\$33,629,204	\$32,658,268	\$25,421,651	\$33,700,360	\$42,806,282	\$43,961,616	\$70,506,237	\$28,437,575	\$60,635,461	\$49,147,013	
ENTITY RESOURCES					Annual Resources	\$30,192,852	\$12,159,224	\$1,017,532	\$1,095,556	\$3,766,992	\$1,059,042	\$1,145,604	\$3,829,423	\$1,133,364	\$1,230,555	\$3,755,560
Unencumbered from previous year		\$10,907,262	Cumulative Available Resources			\$3,992,974	\$5,010,506	\$6,106,062	\$1,313,054	\$1,763,870	\$2,909,474	\$6,661,073	(\$568,777)	\$661,777	\$3,172,152	
ENTITY TOTAL			\$73,204,520	\$64,832,221	\$27,020,701	\$8,166,251	\$0	\$0	\$8,560,000	\$608,227	\$0	\$77,824	\$8,363,214	\$0	\$1,245,186	
	HYDROGRAPHIC BASIN: Mesquite		\$73,204,520	\$64,832,221	\$27,020,701	\$8,166,251	\$0	\$0	\$8,560,000	\$608,227	\$0	\$77,824	\$8,363,214	\$0	\$1,245,186	
	SYSTEM: Town Wash		\$31,271,987	\$20,342,184	\$17,137,692	\$8,166,251	\$0	\$0	\$0	\$608,227	\$0	\$0	\$8,363,214	\$0	\$0	
	PROJECT: Town Wash - Mesa Boulevard, El Dorado to Town Wash															
	Design/Admin	TWMB 0000	Design started 17/18	\$623,347	\$8,166,251	\$534,241										
	Right-of-Way	thru 0044,	MES01E17	\$454,532												
	Construction	TOWA 0120	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	\$8,971,441					\$608,227			\$443,084			
	Right-of-way			\$713,195												
	Construction			\$6,374,180						\$7,920,130						
	SYSTEM: Virgin River			\$0	\$20,376,880	\$9,883,009	\$0	\$0	\$0	\$8,560,000	\$0	\$0	\$77,824	\$0	\$0	\$1,245,186
	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	\$1,323,009							\$77,824				\$56,693
Right-of-way			\$926,240													
Construction			\$901,600										\$1,188,492			

## **EXHIBIT D**



**EXHIBIT D**  
**FISCAL YEAR 2020 - 2021**  
**PROJECT LIST**

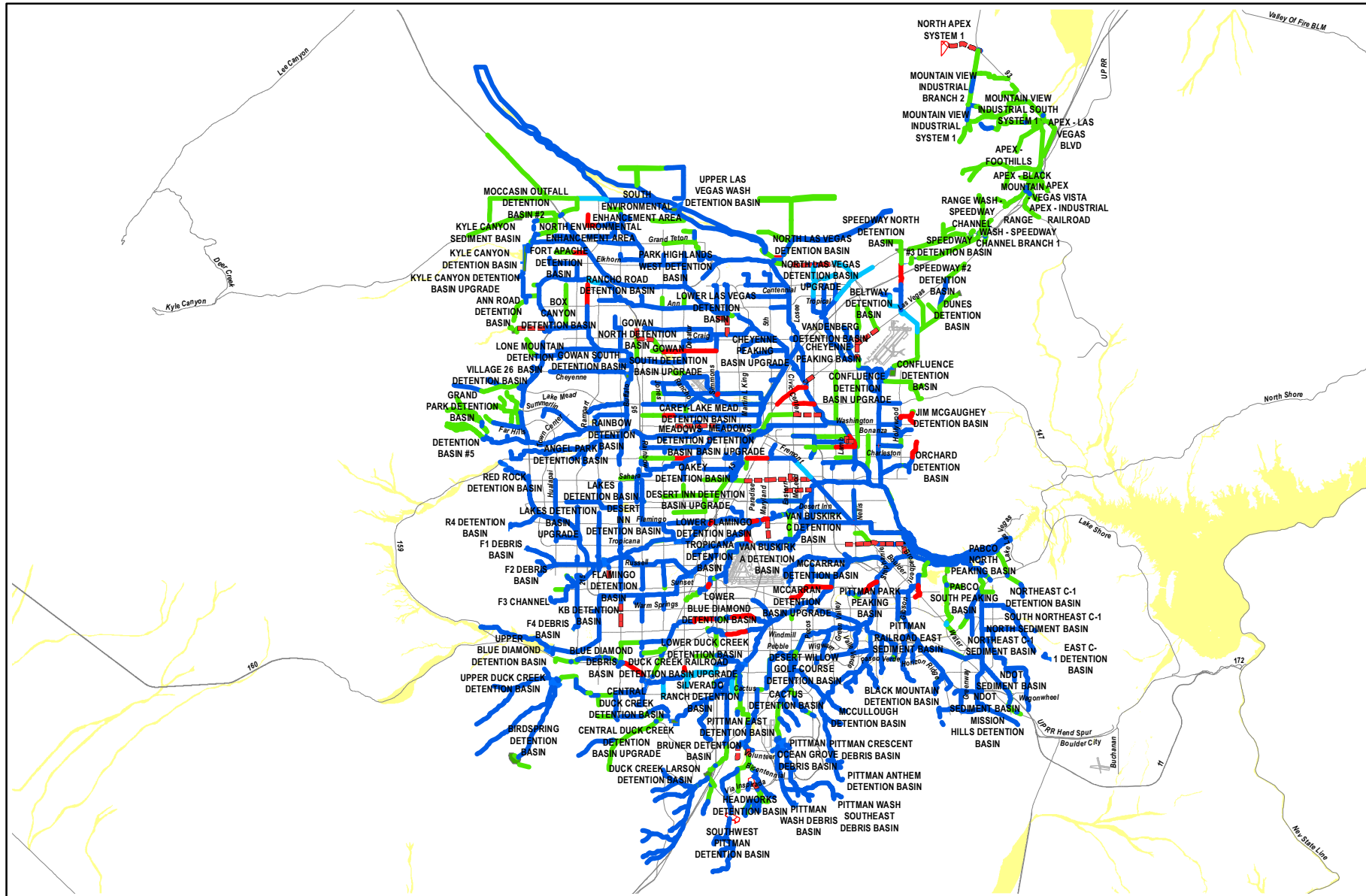
	Facility ID Mile Range	(Year 1) FY 20/21	(Year 2) FY 21/22	(Year 3) FY 22/23
<b>CITY OF HENDERSON</b>	<b>TOTAL ELIGIBLE YEAR 1</b>	<b>\$16,943,567</b>		
<b>HYDROGRAPHIC BASIN: PITTMAN</b>	<b>ENTITY TOTAL</b>	<b>\$1,463,860</b>	<b>\$0</b>	<b>\$15,479,707</b>
SYSTEM: Pittman Burns		\$1,463,860	\$0	\$0
PROJECT: Galleria to Sunset				
Construction	PTSU 0000, 0008, 0023, 0028, 0032	\$1,463,860		
SYSTEM: Lower Pittman		\$0	\$0	\$15,479,707
PROJECT: Whitney Ranch Channel Replacement Project				
Design/Admin	WWDC 0001, 0016, 0031, 0034, 0053, 0056, 0070			\$1,012,691
Construction				\$14,467,016
<b>CITY OF LAS VEGAS</b>	<b>TOTAL ELIGIBLE YEAR 1</b>	<b>\$57,899,474</b>		
<b>HYDROGRAPHIC BASIN: CENTRAL</b>	<b>ENTITY TOTAL</b>	<b>\$36,990,603</b>	<b>\$12,587,081</b>	<b>\$8,321,791</b>
SYSTEM: LV Wash I-15 Tributary		\$2,869,126	\$0	\$0
PROJECT: Lake Mead - Carey - Lake Mead Detention Basin Outfall		\$902,952	\$0	\$0
Design/Admin	LVLM 0221	\$8,316		
Construction		\$546,684		
PROJECT: Owens Avenue System - Vegas, Shadow Mountain to Jones				
Design/Admin	LVOW 0360	\$347,952		
SYSTEM: LV Wash Central		\$1,966,174	\$0	\$0
PROJECT: Meadows - Charleston, Essex to Lindell				
Design/Admin	MECN 0000, 0061	\$817,308		
PROJECT: Las Vegas Wash - Stewart, Las Vegas Wash to Lamb				
Design/Admin	LVST 0000	\$1,018,866		
PROJECT: Meadows Detention Basin Upgrade				
Design/Admin	LCME 0018, 0021	\$130,000		
<b>HYDROGRAPHIC BASIN: GOWAN</b>		<b>\$33,487,282</b>	<b>\$12,587,081</b>	<b>\$0</b>
SYSTEM: Gowan North		\$33,487,282	\$12,587,081	\$0
PROJECT: Gowan Outfall - Alexander Rd., Decatur Blvd. to Simmons Street				
Design/Admin	GOOF 0275, 0285	\$2,003,732		
Construction	0325, 0375	\$31,483,550		
PROJECT: Gowan Outfall - El Capitan Branch, Ann Road to Centennial				
Design/Admin	GOEC 0100, 0126, 0152, 0176		\$534,751	
Construction			\$6,684,362	
PROJECT: Gowan - Alexander Rd., Rancho to Decatur				
Design/Admin	GOAL 0000, 0056		\$740,411	
Construction			\$4,627,557	
<b>HYDROGRAPHIC BASIN: UPPER NORTHERN LV WASH</b>		<b>\$634,195</b>	<b>\$0</b>	<b>\$8,321,791</b>
SYSTEM: Upper Western Tributary		\$634,195	\$0	\$8,321,791
PROJECT: Brent Drainage System - Durango to OHare				
Design/Admin	BRDB 0107, 0157			\$616,430
Construction				\$7,705,360
PROJECT: Centennial Pkwy Channel West - Farm Rd - Oso Blanca to Tee Pee				
Design/Admin	CNFR 0000	\$634,195		
Construction				
<b>CITY OF NORTH LAS VEGAS</b>	<b>TOTAL ELIGIBLE YEAR 1</b>	<b>\$34,019,333</b>		
<b>HYDROGRAPHIC BASIN: LOWER NORTHERN LV WASH</b>	<b>ENTITY TOTAL</b>	<b>\$12,912,697</b>	<b>\$6,347,428</b>	<b>\$14,759,208</b>
SYSTEM: LV Wash Craig		\$1,489,392	\$6,347,428	\$7,819,743
PROJECT: North Las Vegas Detention Basin Upgrade		\$646,002	\$0	\$0
Design/Admin	LVUP 0406	\$646,002		
SYSTEM: Cheyenne Lamb Nellis		\$843,390	\$6,347,428	\$7,819,743
PROJECT: Lake Mead Drain to Las Vegas Wash				
Design/Admin	LVLE 0000, 0047	\$843,390		\$579,240
Construction				\$7,240,503
PROJECT: Las Vegas Wash Cartier Channel				
Design/Admin	LVCC 0000, 0030, 0035		\$470,181	
Construction			\$5,877,247	
<b>HYDROGRAPHIC BASIN: RANGE</b>		<b>\$11,423,305</b>	<b>\$0</b>	<b>\$6,939,465</b>
SYSTEM: Lower Range		\$1,800,000	\$0	\$6,939,465
PROJECT: Orchard Collector - Charleston to Linden				
Design/Admin	SLOR 0158			\$453,984
Construction				\$6,485,481
PROJECT: Jim McGaughey Detention Basin & Outfall				
Right-of-way	SLWA 0130 thru 0175 & SLOW 0000, 0005	\$1,800,000		
SYSTEM: East Range		\$9,623,305	\$0	\$0
PROJECT: Hollywood System, Centennial Pkwy to Speedway #2 Detention Basin				
Design/Admin	RWHW 0300, 0355, 0369, 0410	\$629,562		
Construction		\$8,993,743		

**EXHIBIT D  
FISCAL YEAR 2020 - 2021  
PROJECT LIST**

Facility ID Mile Range		(Year 1) FY 20/21	(Year 2) FY 21/22	(Year 3) FY 22/23
<b>CLARK COUNTY</b>		<b>TOTAL ELIGIBLE YEAR 1</b>		
		<b>\$88,283,635</b>		
<b>ENTITY TOTAL</b>		<b>\$68,173,325</b>	<b>\$13,376,847</b>	<b>\$6,733,463</b>
<b>HYDROGRAPHIC BASIN: Tropicana/ Flamingo</b>		<b>\$34,586,096</b>	<b>\$1,372,489</b>	<b>\$6,733,463</b>
<b>SYSTEM: Lower Flamingo</b>		<b>\$34,183,424</b>	<b>\$1,372,489</b>	<b>\$0</b>
<b>PROJECT: Wagon Trail Channel - Sunset to Teco</b>				
1st Supplement	Design/Admin	WGTR 0111	\$101,667	
	Construction		\$1,270,822	
<b>PROJECT: Flamingo Wash, Maryland to Palos Verde</b>				
	Design/Admin	FLWA 0621 & 0673	\$486,299	
	Construction		\$6,947,125	
<b>PROJECT: Airport Channel - Naples Channel and Peaking Basin</b>				
	Design/Admin	TRMC 0013, 0014, 0031, 0033	\$1,750,000	
	Construction		\$25,000,000	
<b>SYSTEM: Lower LV Wash Tributaries</b>		<b>\$402,672</b>	<b>\$0</b>	<b>\$6,733,463</b>
<b>PROJECT: Las Vegas Wash - Branch 02 - Jimmy Durante to Boulder Hwy</b>				
	Design/Admin	LV02 0209, 0273, 0282, 0294	\$402,672	\$276,555
	Construction			\$6,456,908
<b>HYDROGRAPHIC BASIN: Duck Creek/ Blue Diamond</b>		<b>\$12,278,852</b>	<b>\$10,406,976</b>	<b>\$0</b>
<b>SYSTEM: Blue Diamond Tributaries</b>		<b>\$7,551,892</b>	<b>\$10,406,976</b>	<b>\$0</b>
<b>PROJECT: Blue Diamond Wash - Arville to I-15</b>				
	Design/Admin	BDWA 0276	\$420,048	
	Construction		\$5,250,590	
<b>PROJECT: Duck Cr. / Blue Diamond, Bermuda to Las Vegas Blvd.</b>				
	Design/Admin	DCBD 0075, 0082 & 0084	\$400,518	
	Construction		\$10,006,459	
<b>PROJECT: Blue Diamond Channel, Amigo to Haven</b>				
	Design/Admin	BDWA 0087, 0111, 0113, 0137, 0139, 0174, 0175	\$806,244	
	Right-of-way		\$1,075,010	
<b>SYSTEM: Upper Duck Creek</b>		<b>\$4,726,960</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Blue Diamond Channel 02, Decatur - Le Baron to Richmar</b>				
	Design/Admin	BD02 0334	\$500,000	
	Construction		\$3,000,000	
<b>PROJECT: Blue Diamond Wash Railroad</b>				
	Design/Admin	BDW5 0026	\$525,840	
	Right-of-way		\$701,120	
<b>HYDROGRAPHIC BASIN: Outlying Areas</b>		<b>\$21,308,377</b>	<b>\$1,597,382</b>	<b>\$0</b>
<b>SYSTEM: Goodsprings</b>		<b>\$2,867,500</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Goodsprings - Phase I</b>				
	Design/Admin	GSPA 0000, 0018, 0019, 0027 & 0029	\$185,000	
	Right-of-way		\$370,002	
	Construction		\$2,312,498	
<b>SYSTEM: Muddy River &amp; Tributaries</b>		<b>\$12,452,852</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Fairgrounds - Detention Basin (Whipple Street)</b>				
	Design/Admin	FGWS 0000, 0075, 0105, 0128, 0164, 0165, 0166	\$609,852	
	Construction		\$11,843,000	
<b>SYSTEM: Laughlin</b>		<b>\$206,614</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Hiko Detention Basin Expansion</b>				
	Design/Admin	LUHS 0244	\$206,614	
<b>SYSTEM: Searchlight</b>		<b>\$5,781,411</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Searchlight - West - State Hwy 164</b>				
	Design/Admin	SRWE 0001, 0002, 0005 & 0023	\$280,105	
	Construction		\$5,501,306	
<b>SYSTEM: Bunkerville</b>		<b>\$0</b>	<b>\$1,597,382</b>	<b>\$0</b>
<b>PROJECT: Jess Waite Wash Diversion Dike</b>				
	Design/Admin	JEWA 0166	\$30,074	
	Construction		\$1,567,308	
<b>CITY OF MESQUITE</b>		<b>TOTAL ELIGIBLE YEAR 1</b>		
		<b>\$8,166,251</b>		
<b>ENTITY TOTAL</b>		<b>\$8,166,251</b>	<b>\$0</b>	<b>\$0</b>
<b>HYDROGRAPHIC BASIN: Mesquite</b>		<b>\$8,166,251</b>	<b>\$0</b>	<b>\$0</b>
<b>SYSTEM: Town Wash</b>		<b>\$8,166,251</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Town Wash - Mesa Boulevard, El Dorado to Town Wash</b>				
	Design/Admin	TWMB 0000 thru 0044, TOWA 0120	\$534,241	
	Construction		\$7,632,010	

**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 ASSURED FOR THE ACCURACY OF THE DATA DELINEATED HEREON.

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

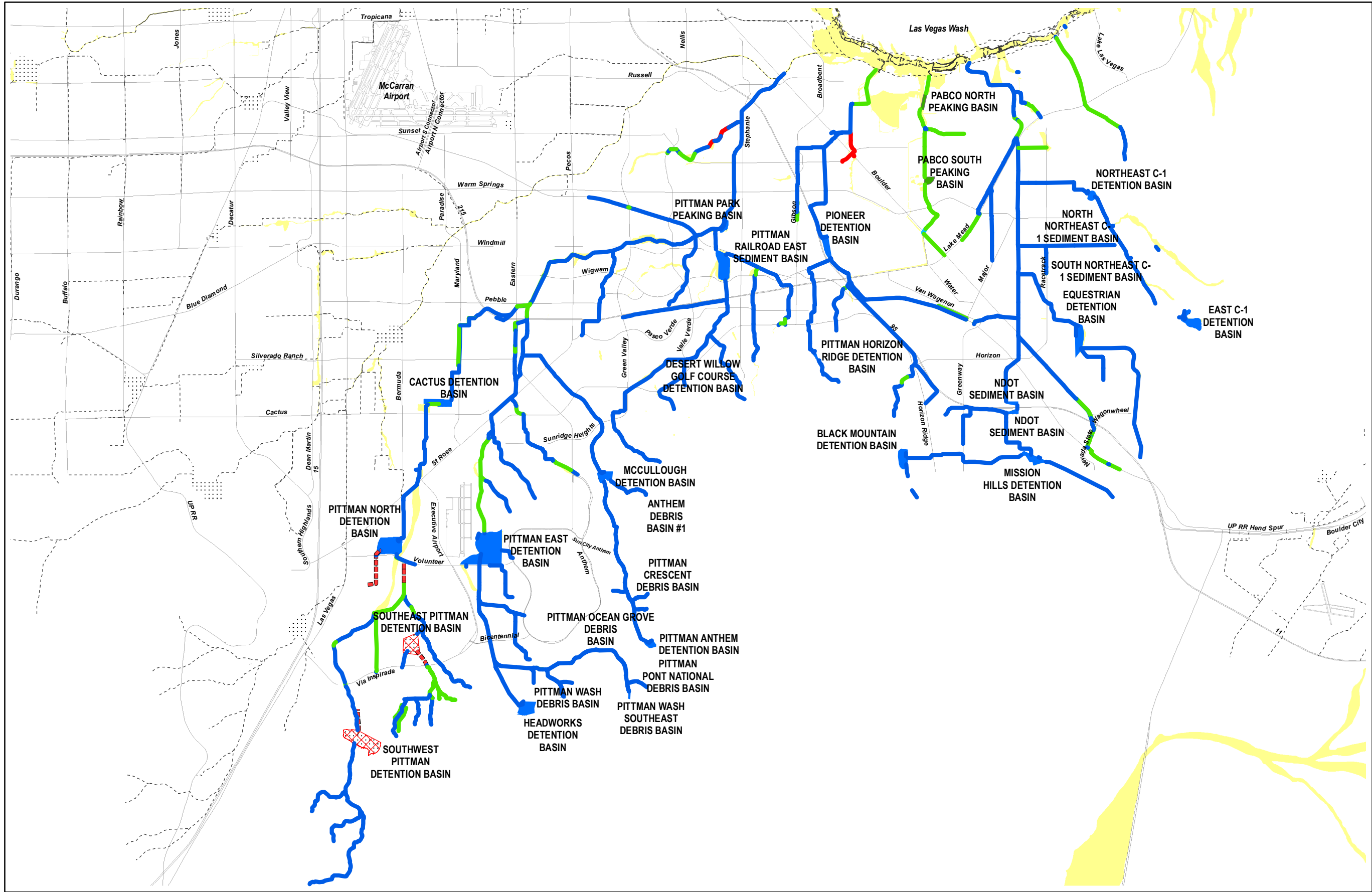
FLOOD INSURANCE (FIRM) INFORMATION:  
FEMA 2002 DIGITAL FIRM. NOT THE EFFECTIVE FIRM. ALL INFORMATION IS SUBJECT TO CHANGE. NO LIABILITY IS ASSURED FOR THE ACCURACY OF THE DATA DELINEATED HEREON. ALL INQUIRIES INTO THE STATUS OF CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT FACILITIES SHOULD BE MADE TO THE DISTRICT OFFICE AT 600 S. GRAND CENTRAL PARKWAY, SUITE 100, LAS VEGAS, NEVADA 89106-4511.

May 2020



# 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

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

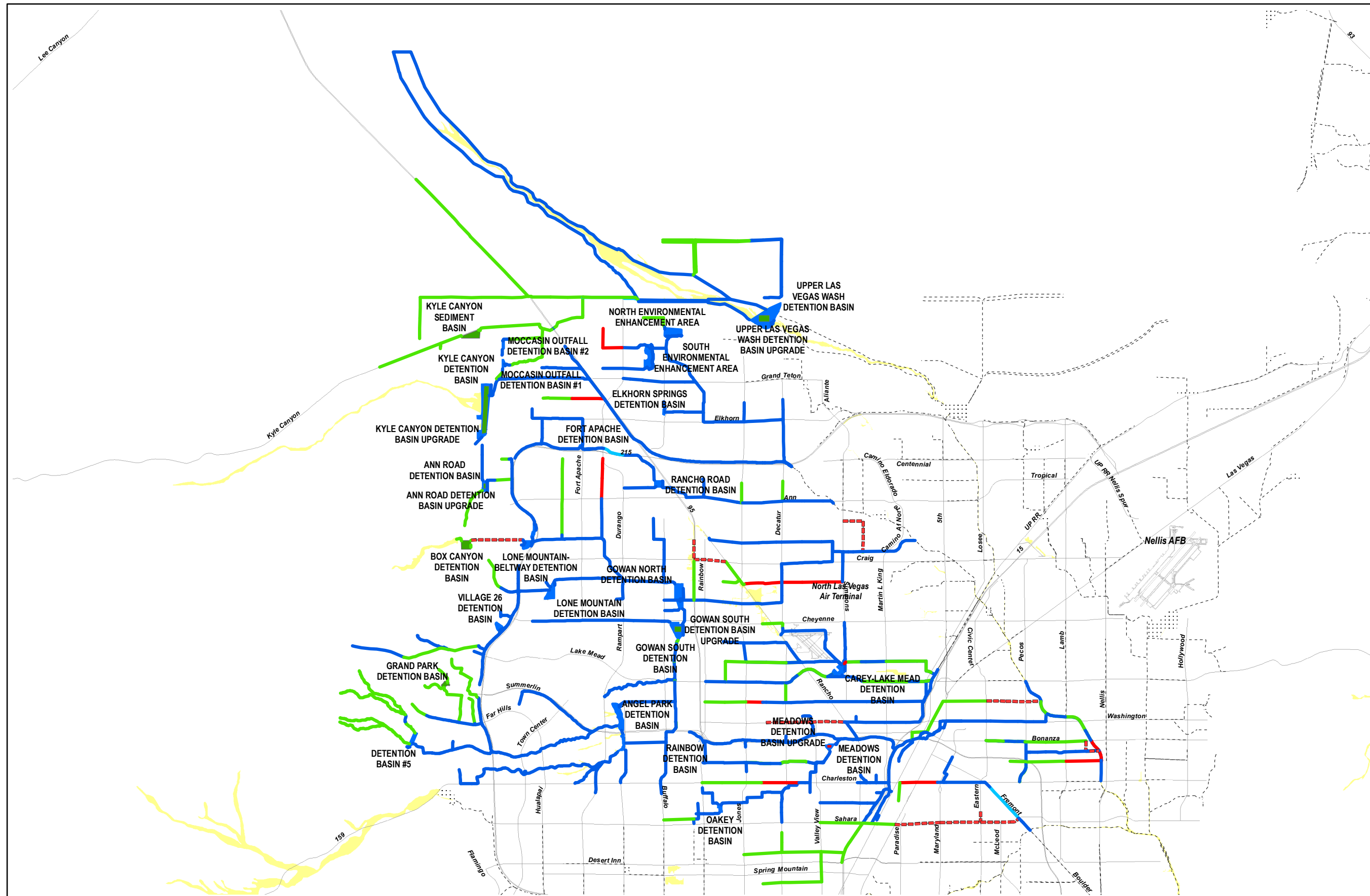
FLOOD INSURANCE (FIRM) INFORMATION:  
FEMA 2002 DIGITAL FIRM. NOT THE EFFECTIVE FIRM. ALL INFORMATION IS SUBJECT TO CHANGE. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA DELINEATED HEREON. ALL INQUIRIES INTO THE STATUS OF CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT FACILITIES SHOULD BE MADE TO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

May 2020

**REGIONAL FLOOD CONTROL DISTRICT**

# 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

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

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

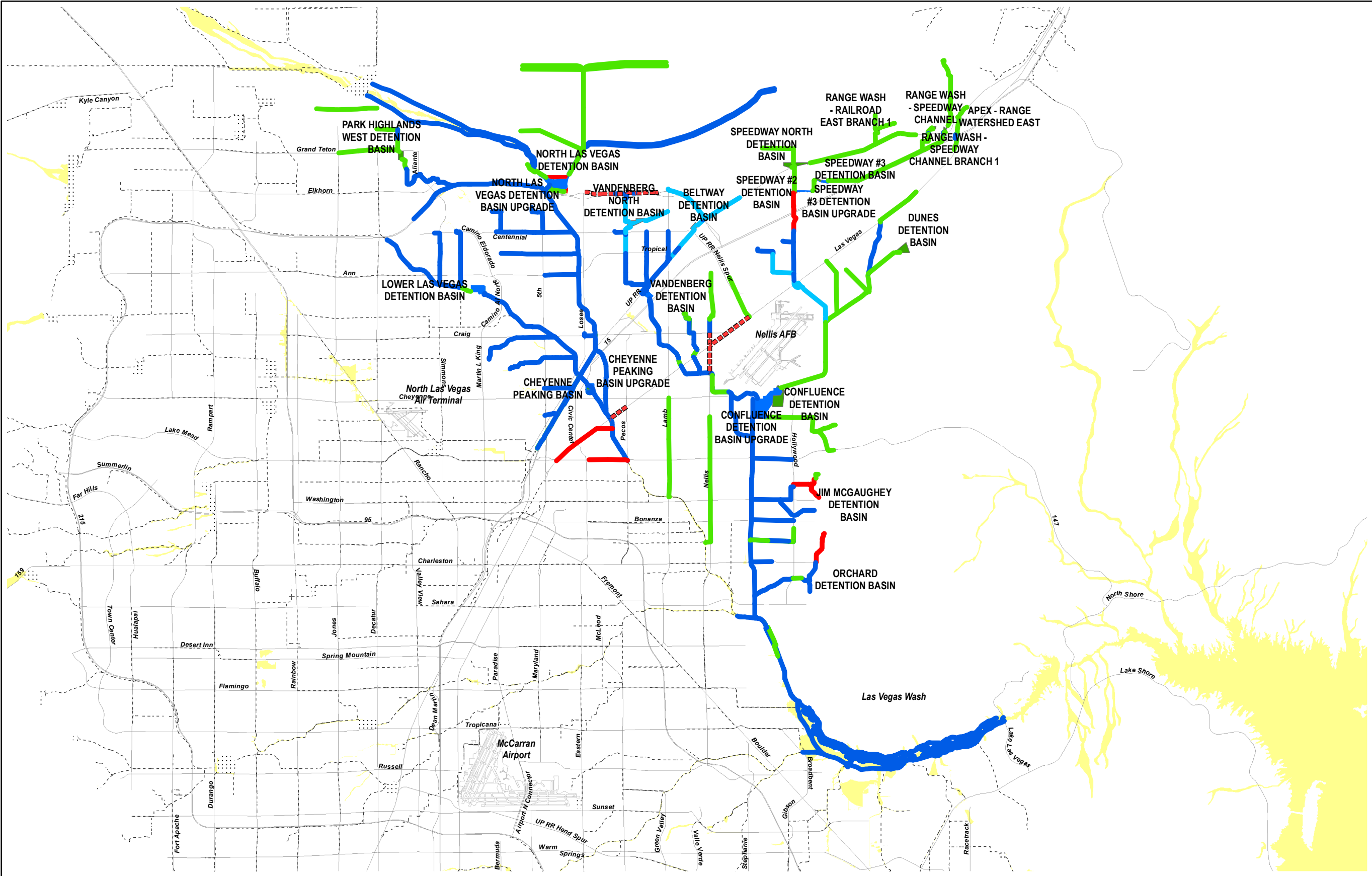
FLOOD INSURANCE (FIRM) INFORMATION:  
FEMA 2002 DIGITAL FIRM. NOT THE EFFECTIVE FIRM. ALL INFORMATION IS SUBJECT TO CHANGE. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA DELINEATED HEREON. ALL INQUIRIES INTO THE STATUS OF CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT FACILITIES SHOULD BE MADE TO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

May 2020

**REGIONAL FLOOD CONTROL DISTRICT**



**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

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.

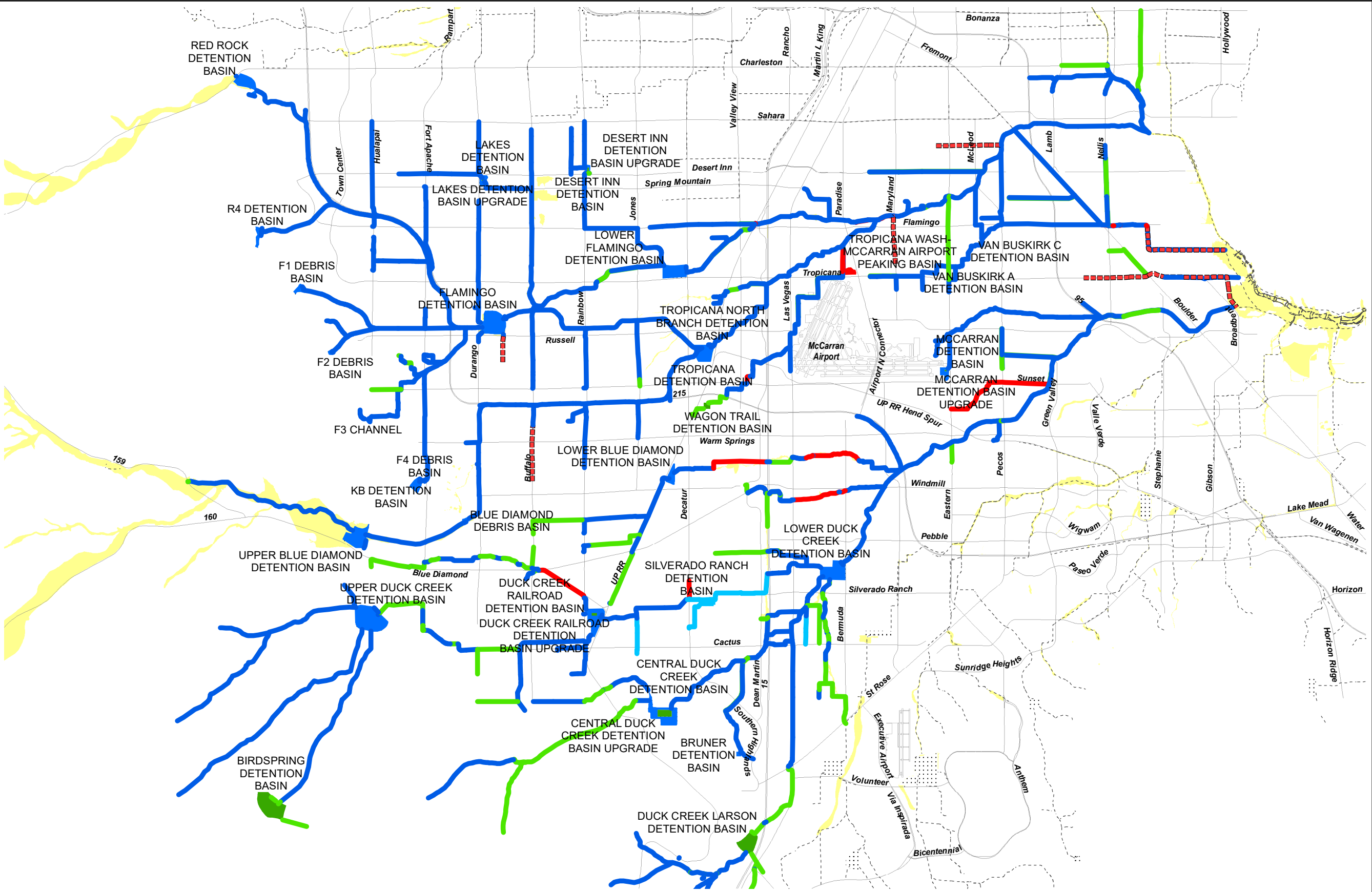
DATA SOURCE:  
CLARK COUNTY REGISTER  
CONTROL DISTRICT  
CLARK COUNTY  
FEMA

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

May 2020

# 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

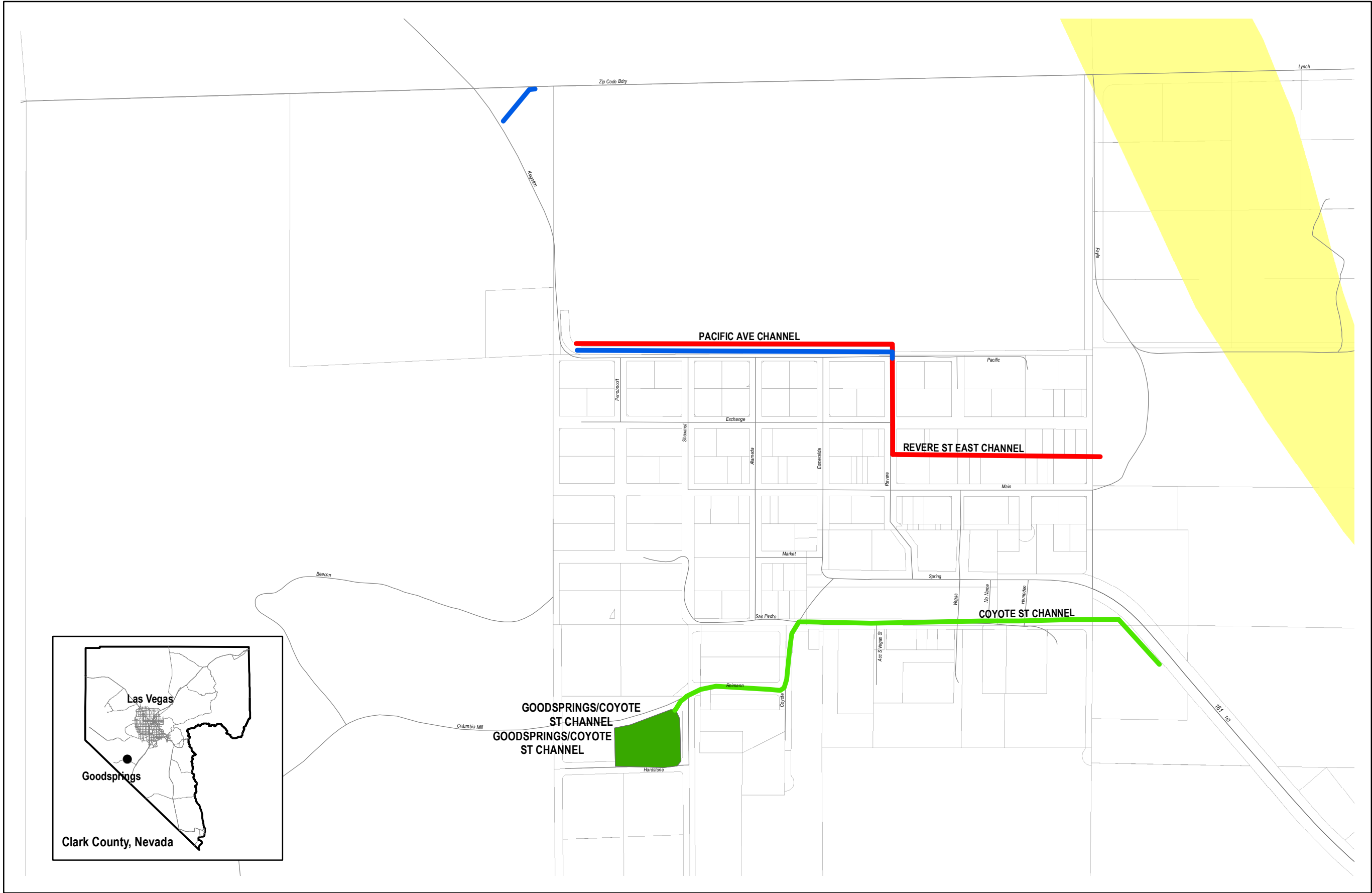
THIS MAP IS FOR GRAPHIC USE ONLY AND DOES NOT REPRESENT A SURVEY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA DELINEATED HEREON.

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

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



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

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

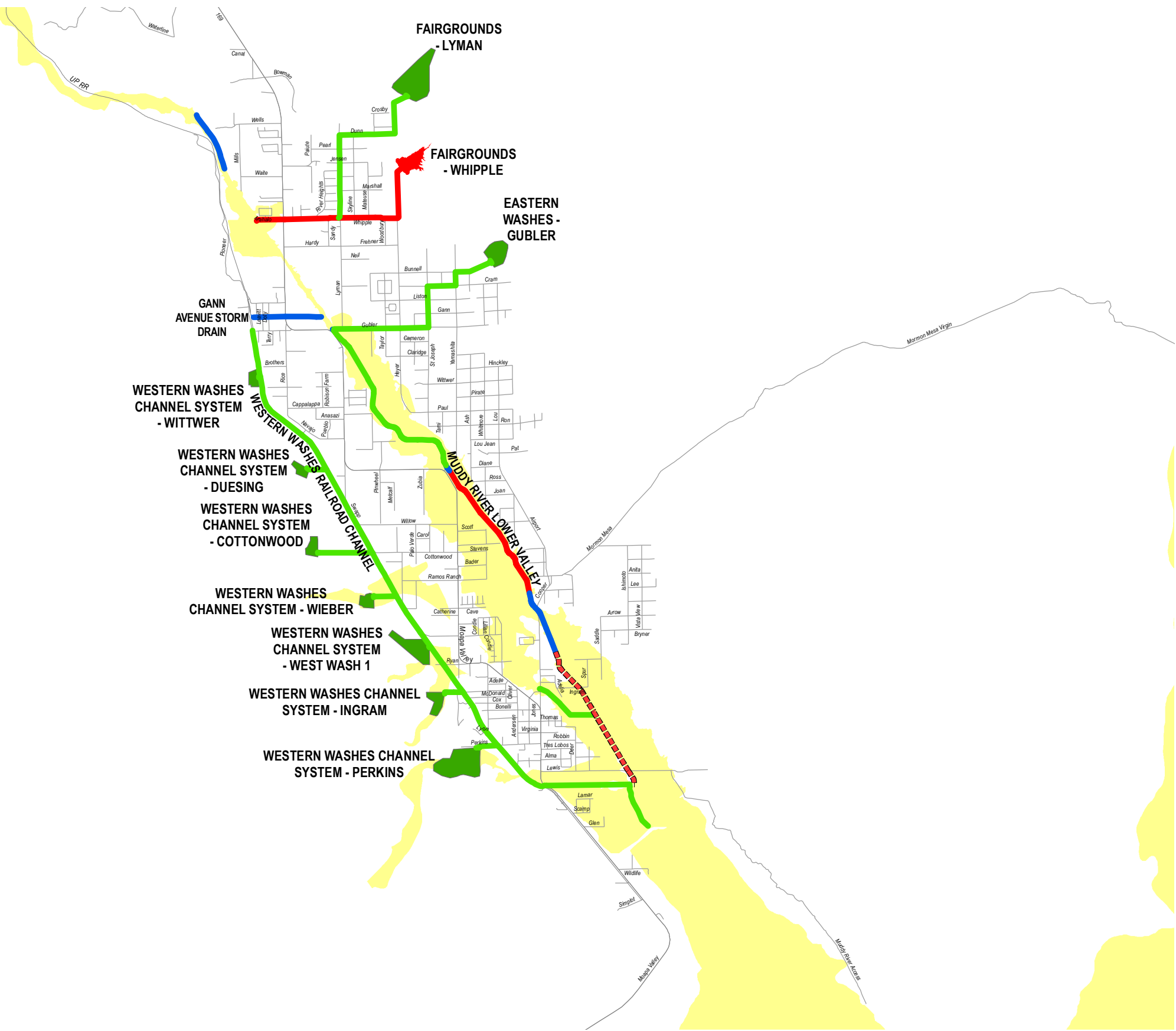
DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD  
CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

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

May 2020



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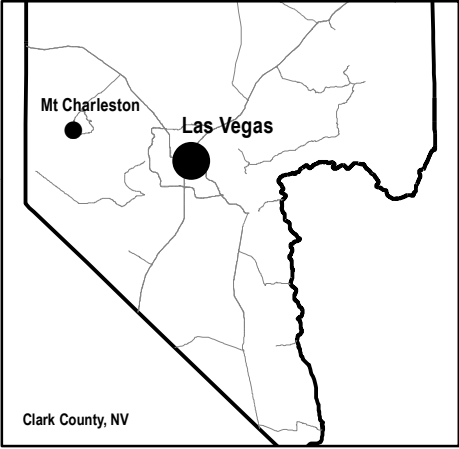
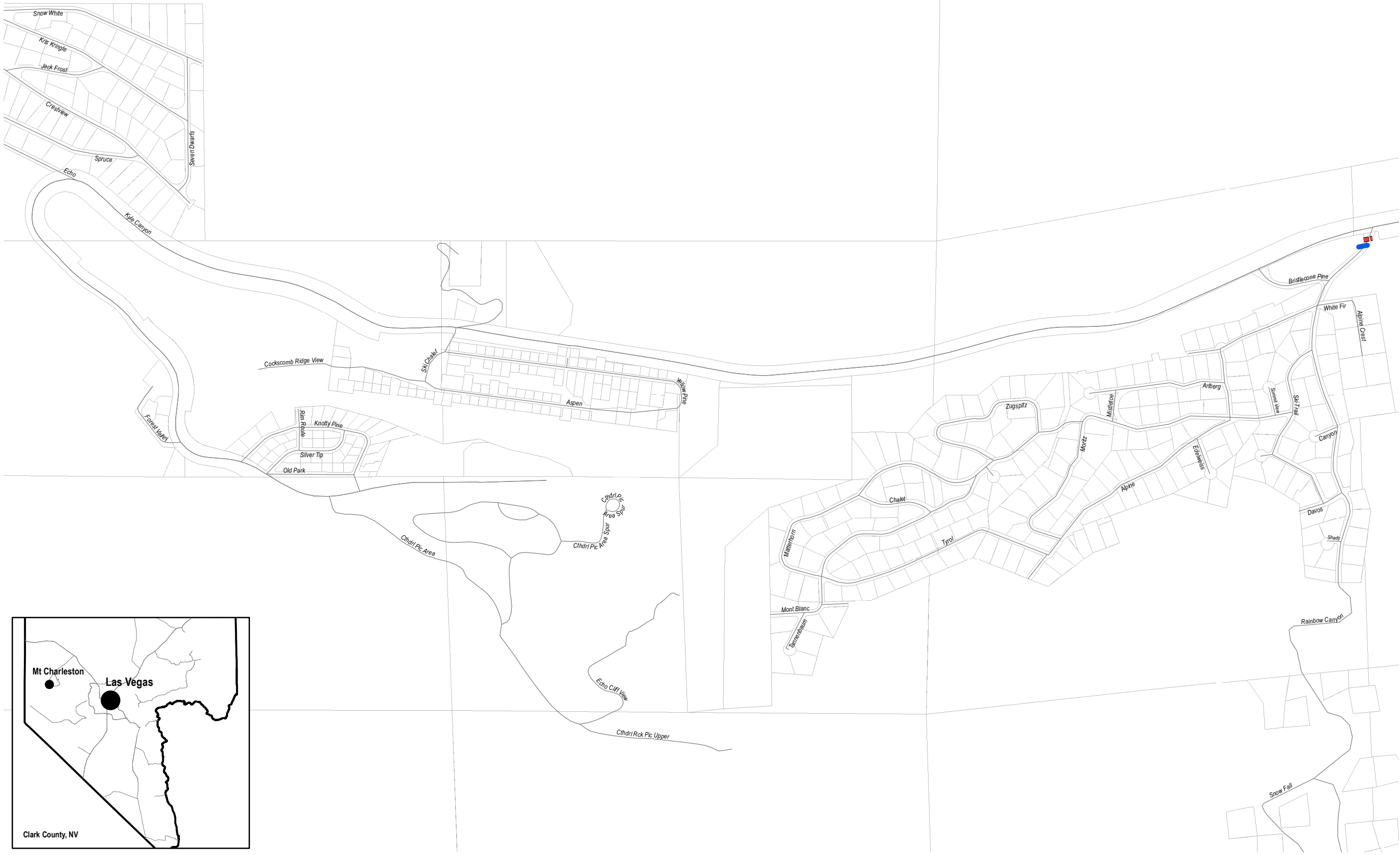
DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD  
CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:  
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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 2020



# 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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AND DOES NOT REPRESENT A SURVEY.  
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ACCURACY OF THE DATA DELINEATED  
HEREON.

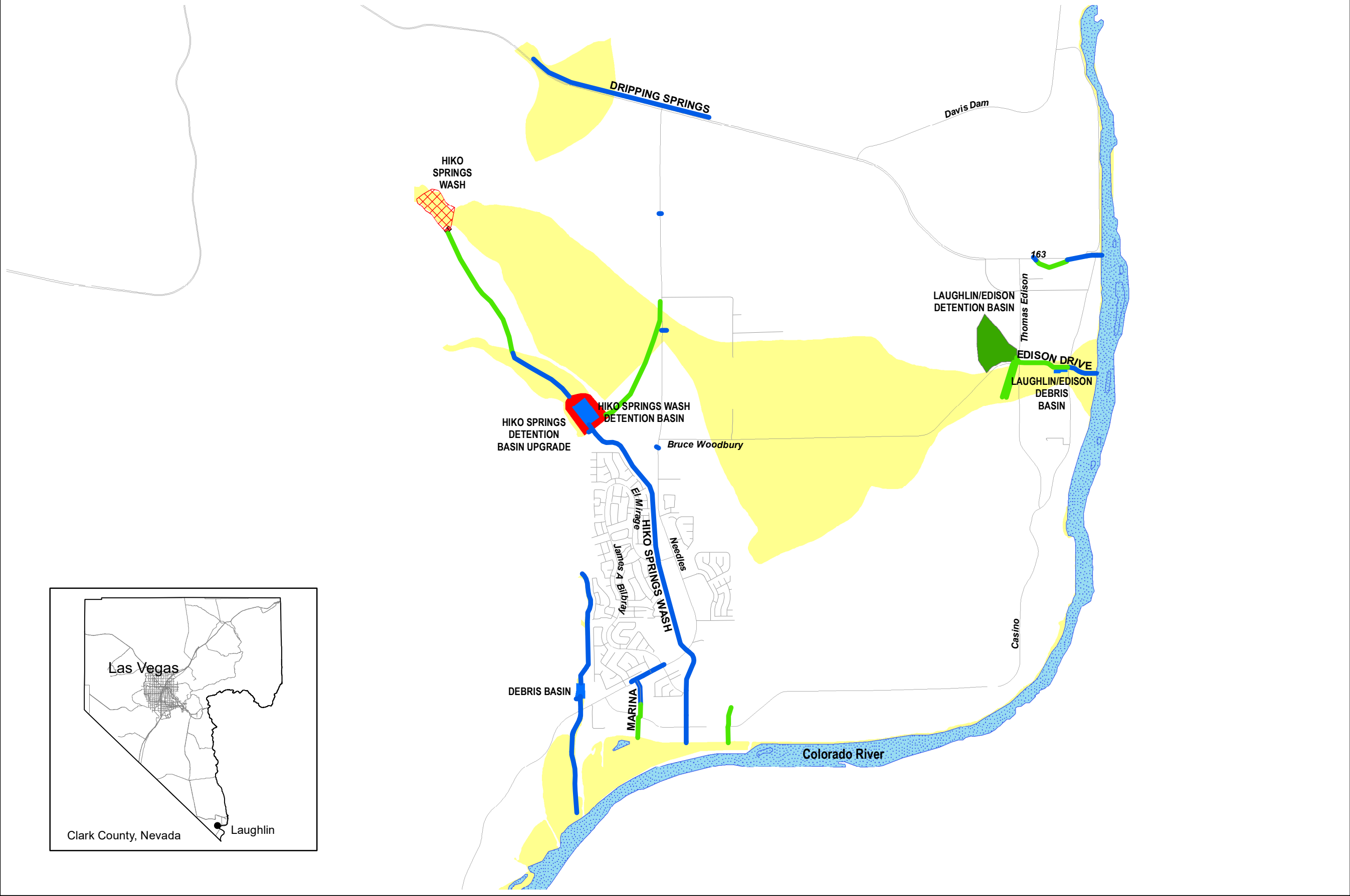
DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD  
CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:  
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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 2020



# 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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ACCURACY OF THE DATA DELINEATED  
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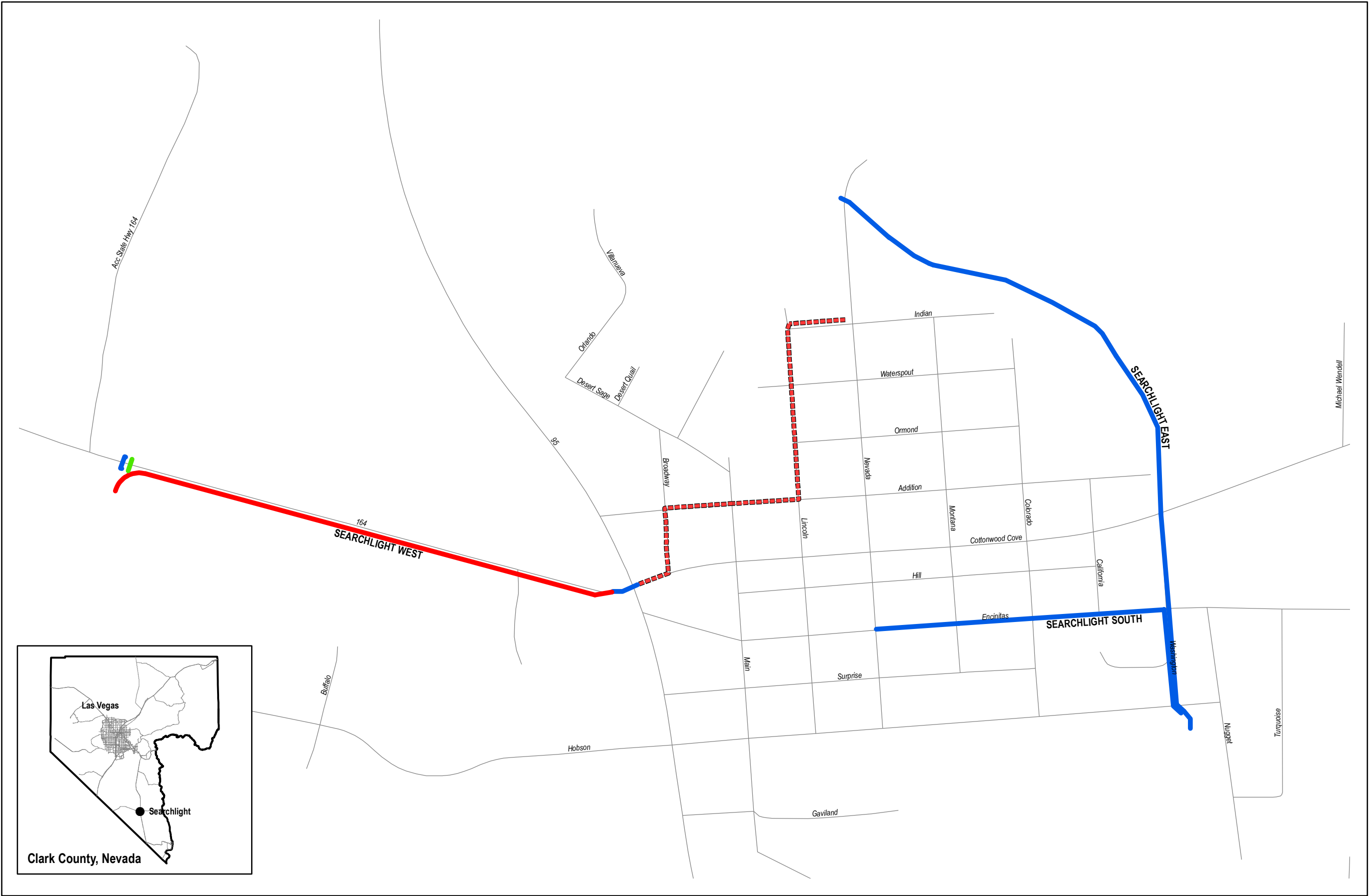
DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD  
CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

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 2020



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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HEREON.

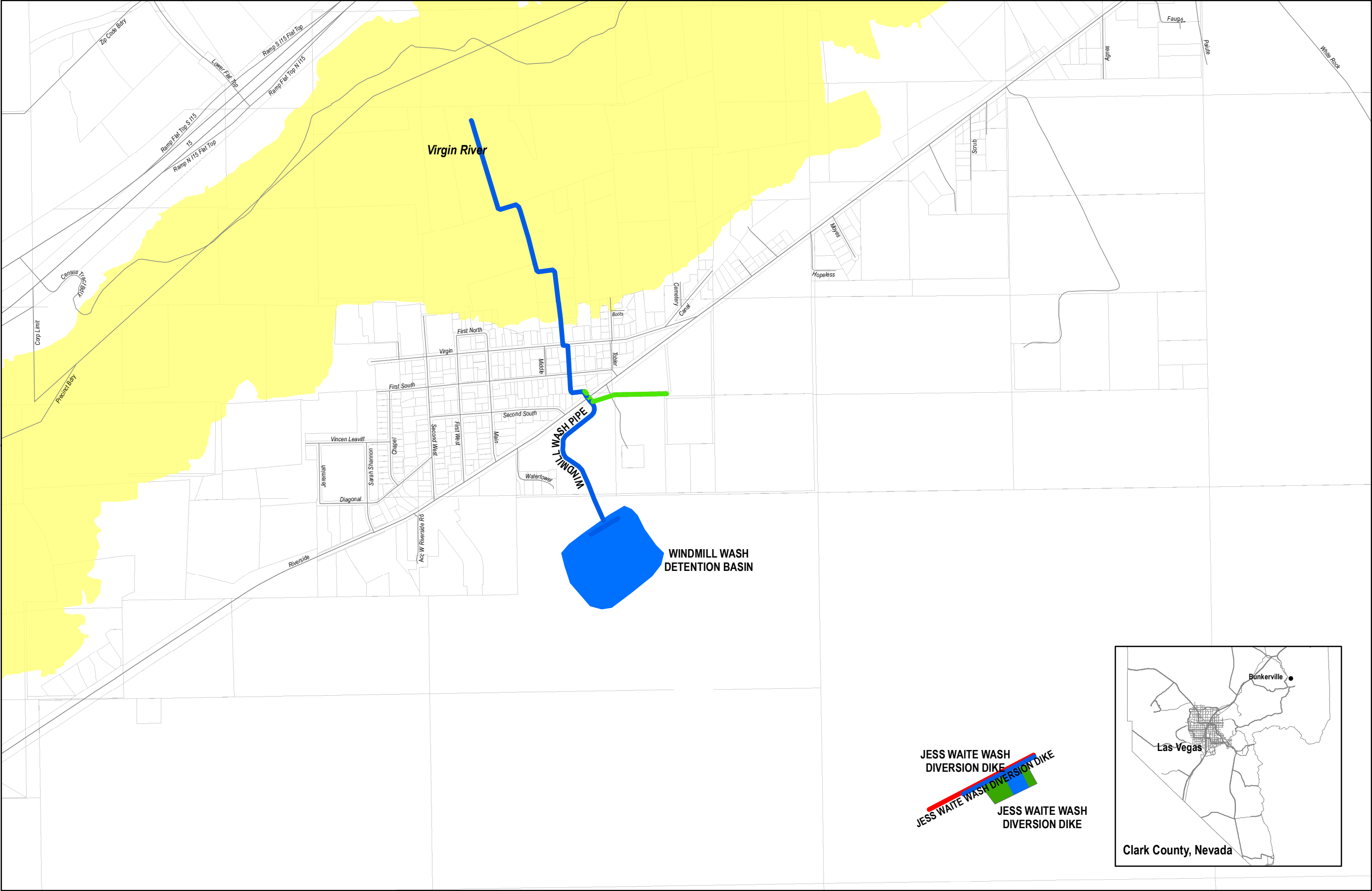
DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD  
CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

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 2020



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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HEREON.

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.

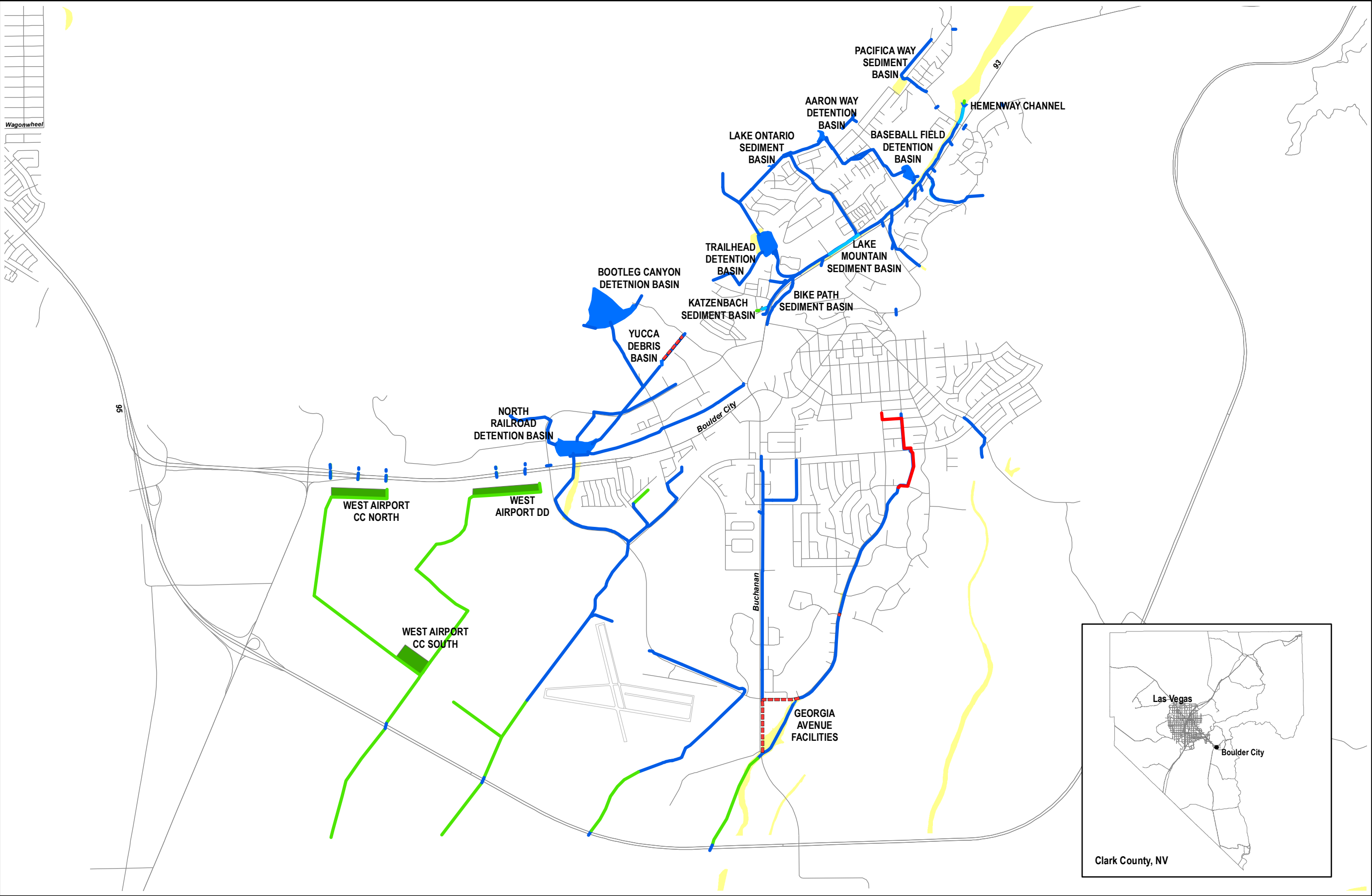
May 2020





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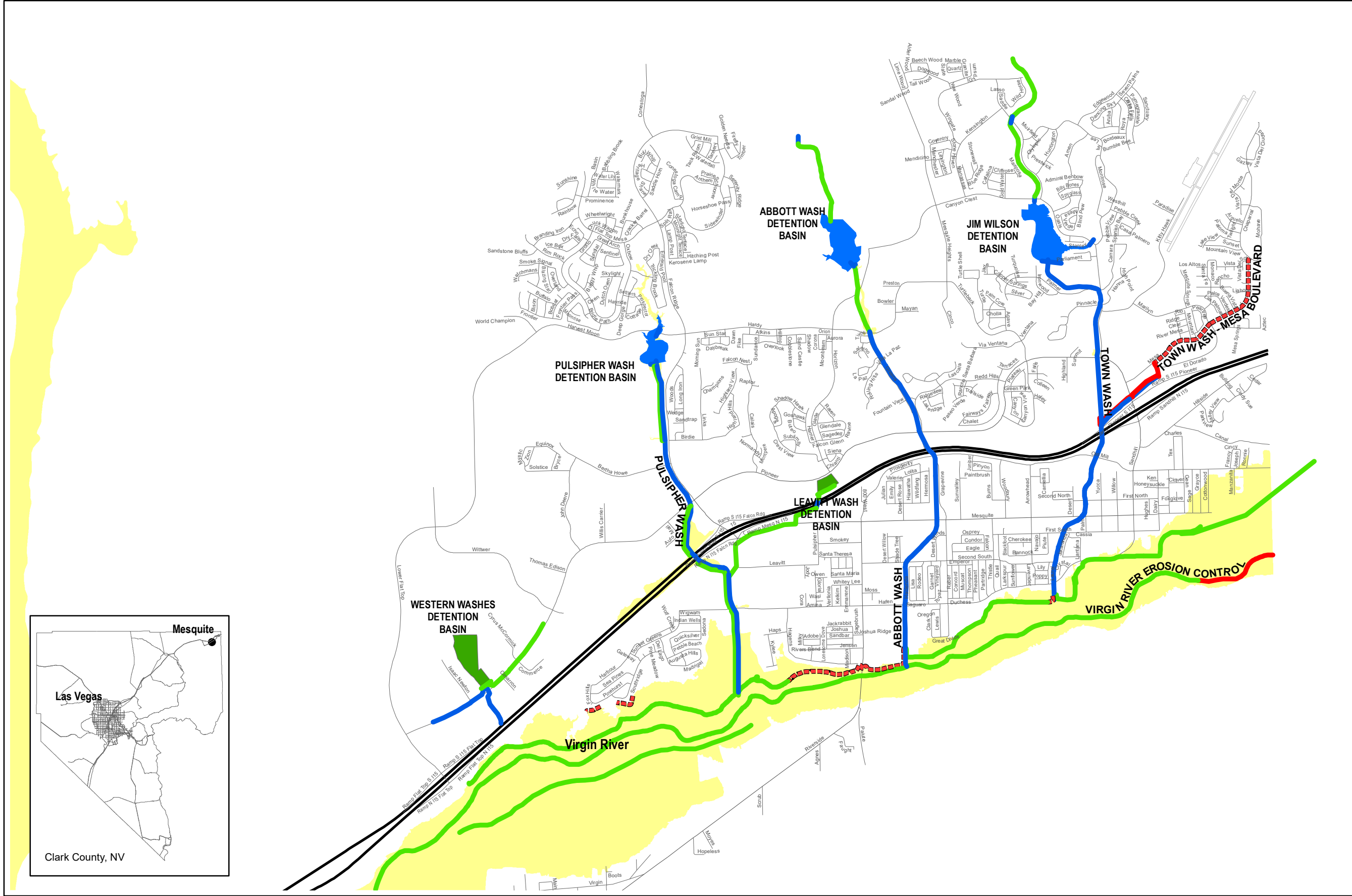
DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

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

May 2020



# 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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HEREON.

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

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OFFICE AT 600 S. GRAND CENTRAL PKWY,  
SUITE 300, LAS VEGAS, NEVADA 89106-4511.

May 2020

