West Jackson Highway Master Plan

Public Facility Financing Plan

County of Sacramento

March 2025

Prepared by:



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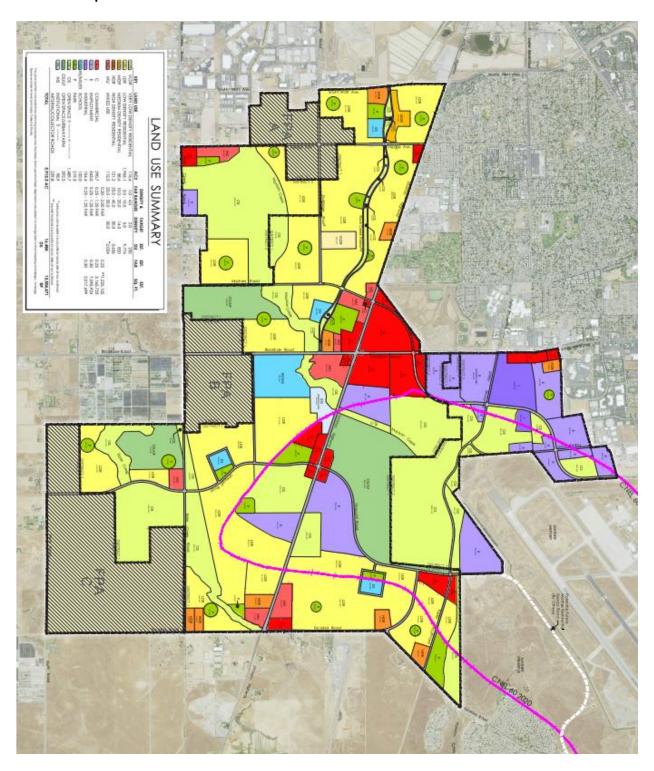
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Exhibit 1
Land Use Map



I. PROJECT INTRODUCTION / OVERVIEW

This Public Facilities Financing Plan is prepared on behalf of Stonebridge Properties, LLC and Granite Construction Company (collectively the "Applicants") to establish a strategy for financing backbone infrastructure and other public facilities necessary to serve the West Jackson Highway Master Plan ("Project"). The Project will be subject to development agreements that set forth details regarding potential funding mechanisms that will be implemented between the Project and County of Sacramento ("County"). Development & Financial Advisory ("DFA") has been retained to prepare a Public Facilities Finance Plan ("PFFP" or "Finance Plan") to establish a strategy for financing public improvements and services required to serve the development of the Project.

A. Background / History

The Project encompasses approximately 5,913 acres located in the County's Jackson Highway corridor straddling Jackson Highway between South Watt Avenue and Excelsior Road. At buildout, the Project is envisioned to include 16,484 residences and 13.5 million square feet of commercial, office and industrial properties along with an extensive parks, open space and trail network. Approximately 664,000 of the 13.5 million square feet is for existing land uses and not factored into this Finance Plan. See the attached land use map in **Exhibit 1**. The Project is a master planned community that will provide a variety of housing types by multiple residential and non-residential builders and a mixture of land uses. The following studies have been developed to understand the required backbone infrastructure and public facilities required to serve the Project:

- Drainage Master Study: approved April 6, 2023
- Master Sewer Study: approved June 14, 2017; Amendment approved March 30, 2023
- Master Water Study for SCWA: approved March 20, 2019; refreshed and approved January 31, 2023
- Master Water Study for CalAm: approved December 31, 2018; refreshed and approved February 3, 2023
- Sacramento County Transportation Development Fee Program, November 2019 SCTD/TIF Nexus Study

Table 1 below provides a detailed summary of the proposed land uses.

TABLE 1
Land Use Summary

		Build	out		Area	a A		Area	а В		Area	ı C
Item	Acres	Res.	Non- Res.	Acres	Res.	Non- Res.	Acres	Res.	Non- Res.	Acres	Res.	Non- Res.
Residential		DU's			DU's			DU's			DU's	
Very Low Density	116	230	-	-	-		20	40		95	190	
Low Density	1,955	9,774	-	403	2,016		672	3,365		880	4,393	
Medium Density	59	820	-	-	-		18	246		41	574	
High Density	121	3,636	-	40	1,185		34	1,023		48	1,428	
Mixed Use Residential	68	2,024	-	19	558		15	459		34	1,007	
Subtotal Residential	2,318	16,484	-	461	3,759	-	760	5,133	-	1,097	7,592	-
Non-Residential			Bldg Sq. Ft.			Bldg Sq. Ft.			Bldg Sq. Ft.			Bldg Sq. Ft.
Mixed Use Commercial	45	-	1,225,703	12		337,897	10		277,241	22		610,565
Commercial	291	-	3,166,067	217		2,364,722	21		225,680	53		575,665
Employment	492	-	6,434,904	426		5,567,482	49		636,412	18		231,010
Industrial	154	-	2,017,073	75		980,781	-		-	79		1,036,292
Subtotal Non-Residential	983	-	12,843,747	731	-	9,250,882	80	-	1,139,333	172	-	2,453,532
Non-Developable												
School - HS/MS/ES	132	-		10			20			102		
Park	219	-		43			72			105		
Open Space	1,489	-		580			102			808		
Open Space / Urban Farm	392	-		225			-			168		
Institutional	23	-		-			-			23		
Arterial / Collector Roads	228	-		107			51			70		
Subtotal Non-Developable	2,485	-	-	964	-	-	244	-	-	1,276	-	-
Total Project [1]	5,785	16,484	12,843,747	2,155	3,759	9,250,882	1,084	5,133	1,139,333	2,546	7,592	2,453,532
NAP	128		664,917									

^[1] Based on Master Plan.

The Finance Plan is one of several documents intended to accompany the West Jackson Highway Master Plan ("Master Plan"), Environmental Impact Report ("EIR"), and the Development Agreement.

The Finance Plan describes the long-term approach to fund backbone infrastructure, public facilities and services that will support the proposed land uses in the Project.

B. Purpose of the Report

The purpose of this report is to develop a guide to delivering backbone infrastructure, public facilities and services for the Project. This report adheres to the requirements of the County's land use policy LU-13, LU 120 and LU-123 which requires the preparation of a public facilities infrastructure plan to identify major facilities required to serve new development.

The Finance Plan matches costs and funding sources for the required backbone infrastructure, public facilities and services to be constructed or acquired to implement the Master Plan. The purposes of this Finance Plan are:

- To describe the policy framework for financing;
- To describe the Master Plan backbone infrastructure, public facilities and services;

- To provide estimated costs;
- To identify capital and operational funding mechanisms;
- To identify funding issues such as threshold costs and cash flow shortfalls;
- To identify potential solutions for funding issues; and
- To demonstrate that the backbone infrastructure, public facilities and services are appropriately balanced among benefiting land uses.

Implementation of the Master Plan will require roadway, water, sewer, storm drainage and a variety of backbone infrastructure and public/private facilities ("Public Improvements"). Cost estimates for the Public Improvements have been derived from preliminary data from Wood Rodgers and the Applicants.

Table 2 summarizes the costs of the Public Improvements for the Project. The buildout cost is approximately \$1.6 billion for the Project. For purposes of this planning-level PFFP, the Public Improvements have been allocated to the respective land uses within the Project based on an equivalent dwelling unit methodology. The allocation methodology for the Public Improvements is explained in greater detail in Section IV. Financial Burden Analysis. Subsequent implementation level PFFP's will include an updated equitable cost allocation that is based on the specific needs of each development area. This will be particularly important for drainage and flood control infrastructure improvements, because not all development in the Master Plan area will require levee protection.

Additional details on cost estimates are provided in *Table 5, Section III, Public Improvement Cost Summary.* These estimates do not include the cost of in-tract and other subdivision specific improvements. The Finance Plan may be updated from time to time to reflect changes in Public Improvements cost estimates.

TABLE 2
Public Improvement Cost Estimates

		Total Cost	Esti	mate	
Category	Buildout	Area A		Area B	Area C
Backbone Infrastructure					
Transportation - Regional					
Regional Roadways	\$ 559,743,518	\$ 260,275,720	\$	116,552,193	\$ 182,915,605
Cross Jurisdictional	\$ 12,344,031	\$ 5,599,759	\$	2,693,766	\$ 4,050,505
Transportation - Local					
Collector	\$ 74,126,250	\$ 8,265,000	\$	40,211,250	\$ 25,650,000
Arterial	\$ 19,067,500	\$ 19,067,500	\$	-	\$ -
Frontage					
Arterial	\$ 31,285,200	\$ 13,868,400	\$	5,286,400	\$ 12,130,400
Thoroughfare	\$ 58,981,900	\$ 23,251,900	\$	9,993,600	\$ 25,736,400
Subtotal Transportation	\$ 755,548,398	\$ 330,328,279	\$	174,737,209	\$ 250,482,910
Water - Offsite (SCWA)	\$ 27,615,666	\$ 16,805,334	\$	10,810,332	
Water - Onsite (SCWA)	\$ 14,236,872	\$ 7,082,946	\$	3,244,878	\$ 3,909,048
Water - Offsite (Cal Am)	\$ 1,160,874	\$ 779,922	\$	380,952	
Water - Onsite (Cal Am)	\$ 22,150,128	\$ 3,677,856	\$	18,472,272	\$ -
Sewer	\$ 58,555,458	\$ 22,792,770	\$	10,194,756	\$ 25,567,932
Drainage & Levee	\$ 250,626,392	\$ 128,437,393	\$	51,573,222	\$ 70,615,777
Subtotal Backbone Infrastructure	\$ 1,129,893,788	\$ 509,904,500	\$	269,413,621	\$ 350,575,667
Public Facilities					
Parks - CRPD [1]	\$ 59,741,787	\$ 26,618,600	\$	29,912,058	\$ 3,211,130
Parks - SRPD	\$ 66,679,587	\$ 6,419,590	\$	8,036,176	\$ 52,223,821
Regional Trails	\$ 27,210,011	\$ 12,080,172	\$	6,433,432	\$ 8,696,407
Local/Conventional Trails	\$ 12,988,560	\$ 7,221,926	\$	3,694,205	\$ 2,072,429
Transit	\$ 31,535,747	\$ 14,673,941	\$	6,574,645	\$ 10,287,162
Open Space	\$ 13,531,343	\$ -	\$	13,531,343	\$ -
Fire	\$ 44,143,251	\$ 19,812,813	\$	9,714,662	\$ 14,615,777
Libraries	\$ 18,006,372	\$ 3,958,416	\$	5,733,636	\$ 8,314,320
Schools - Elk Grove USD	\$ 211,058,820	\$ 45,923,841	\$	67,288,552	\$ 97,846,427
Schools - Sac City USD	\$ 2,995,736	\$ 2,995,736	\$	-	\$ -
Subtotal Public Facilities	\$ 487,891,215	\$ 139,705,035	\$	150,918,708	\$ 197,267,472
Total Project Improvements [2]	\$ 1,617,785,004	\$ 649,609,535	\$	420,332,329	\$ 547,843,140

^[1] Amounts based on the methodology used in the Fuhrman Leamy Group park impact fee cost analysis dated May 2022 for JTSP.

The Finance Plan outlines the strategy for financing and constructing Public Improvements. The objectives of that strategy are to:

Assure funding and/or construction of Public Improvements needed to serve the Project;

^[2] Based on engineer estimates from Wood Rodgers or existing fee programs.

- Provide for public finance vehicles, including but not limited to, Community Facilities Districts and Enhanced Infrastructure Finance Districts;
- Utilize existing County impact fee programs and other agency fee programs;
- Create a public plan area fee program with the County. The proposed plan area fee is described in greater detail in Section VII and Appendix D;
- Provide for "pay-as-you-go" financing mechanisms;
- Provide for "Fair Share" financing mechanisms; and
- Access Federal and State grant and other infrastructure funding programs.

The anticipated funding mechanisms for the Public Improvements are explained in greater detail in Section VII, Available Potential Funding Mechanisms. A preliminary funding sources table (Table 30) provides a summary of potential sources while Tables 31-34 identifies the funding sources anticipated for the Project's Public Improvements. The Finance Plan may be updated from time to time to reflect changes to the Development Agreements, market conditions and financing mechanisms.

C. Organization of the Report

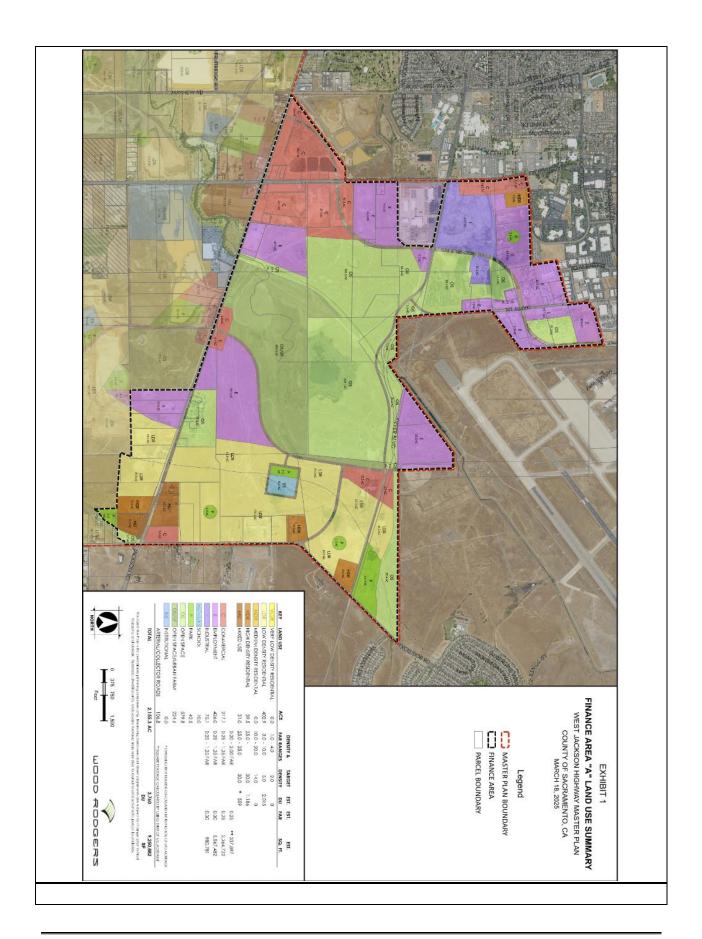
The Finance Plan is organized into several key sections as follows:

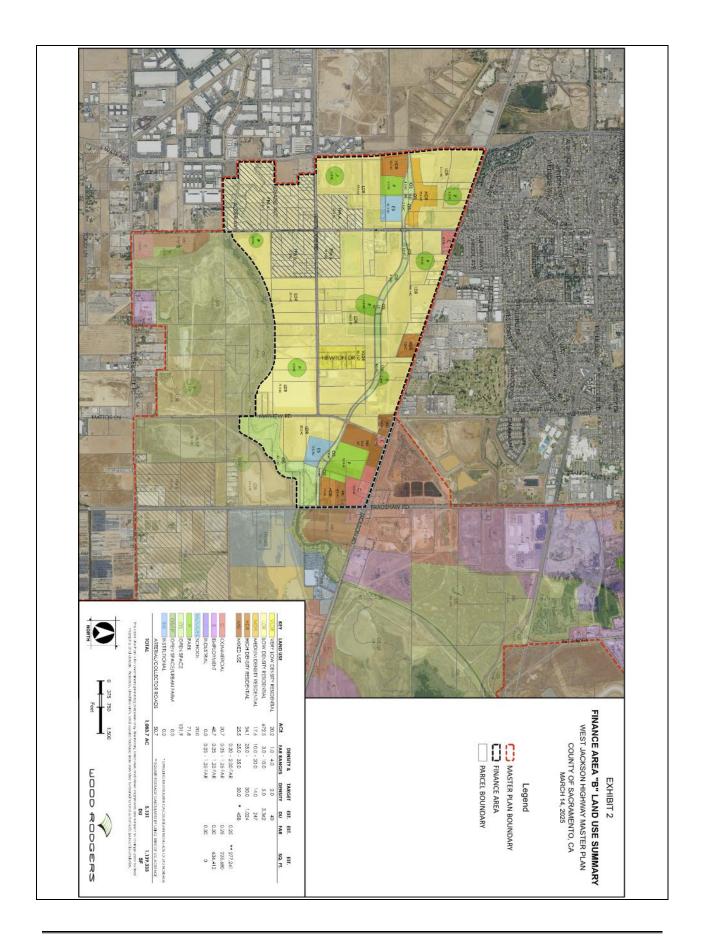
- Section II provides a preview of the detailed results from the conclusion chapter/section on overall burden and feasibility along with a brief description of the proposed action plan.
- Section III description of existing impact fee programs and provide Public Improvement cost estimates and descriptions.
- Section IV description of Public Improvement cost allocation methodology and introduction of Project feasibility.
- Section V discussion of essential Public Improvements.
- Section VI identification of potential threshold infrastructure issues and cash flow constraints resulting from essential Public Improvements and discussion on cost balancing methodologies.
- Section VII description of potential fundings sources for the Public Improvements
- Section VIII description of financing strategy

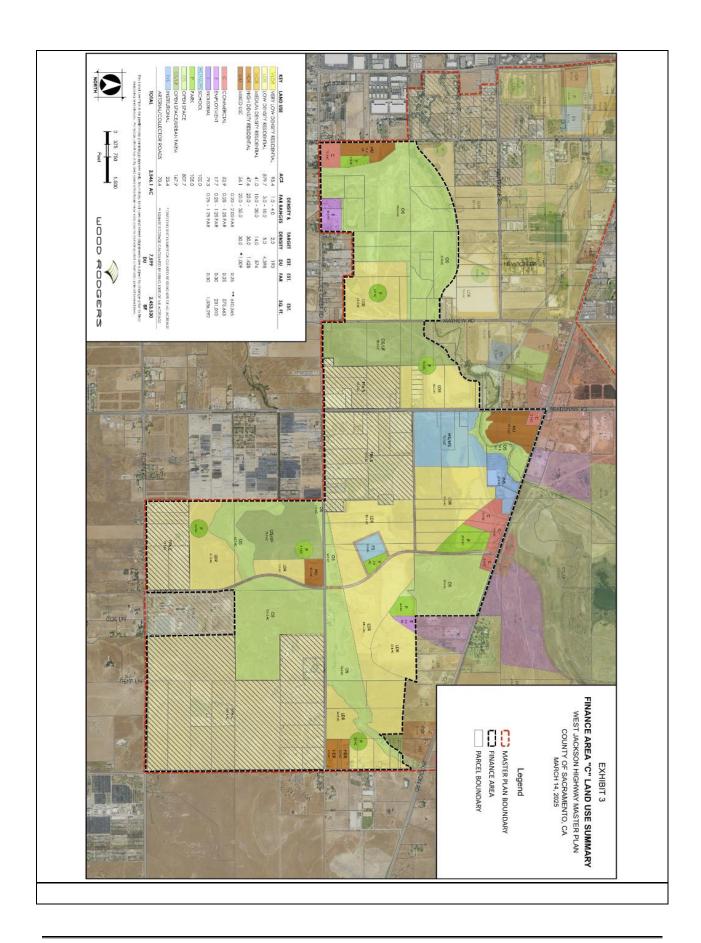
II. EXECUTIVE SUMMARY

Project Location & Finance Areas

The Project is located within the Jackson Highway corridor straddling Jackson Highway between South Watt Avenue and Excelsior Road. Because of its size, the Project is divided into three separate finance areas which have separate infrastructure burdens. Those three finance areas are illustrated in the diagrams below.







Project Description

The Project encompasses approximately 5,913 acres at buildout, including 16,484 residences and 13.5 million square feet of commercial, office and industrial properties along with an extensive parks, open space and trail network. Approximately 664,000 square feet of the 13.5 million non-residential square feet is for existing land uses and not factored into this Finance Plan.

A. Summary of Findings

This summary provides an overview of the PFFP by providing a brief breakdown of the feasibility results outlined in the following sections. The proposed finance strategy will be developed to ensure required backbone infrastructure and public facilities are delivered in a timely fashion consistent with County policy guidelines and the Project development agreements in a cost effective and feasible manner.

In order to deliver the land uses referenced above a significant amount of backbone infrastructure and public facilities will need to be constructed. This includes infrastructure investment into new or expanded roadways, water, sewer, storm drain and certain public facilities estimated at \$1.6 billion.

The backbone infrastructure and public facilities have been allocated to the benefiting land uses to achieve an equitable distribution of costs within the Project area. More detailed cost allocations will be developed during the implementation phase of the Finance Plan. Subsequent implementation level PFFP's will include an updated equitable cost allocation that is based on the specific needs of each development area. This will be particularly important for drainage and flood control infrastructure improvements, because not all development in the Master Plan area will require levee protection.

The Finance Plan envisions the use of existing impact fee programs, the creation of a plan area fee for the Master Plan and Mello-Roos financing to deliver the needed backbone infrastructure and public facilities in a timely and cost-effective manner. The backbone infrastructure and public facilities will be maintained by a variety of funding mechanisms consistent with County policies and the development agreements. A critical element of the Finance Plan is developing appropriate cost allocations and implementing suitable funding mechanisms that allow the Project to achieve certain feasibility metrics. A critical metric associated with the feasibility of residential developments is the two-percent test which measures total taxes and assessments as a percentage of home prices. Projects with total tax burdens less than two percent of the home price are considered feasible with typical development in the Sacramento region ranging between 1.60% to 1.80%. The Finance Plan is based on a total tax rate percentage of 1.80% for all residential land uses which is within the feasible range for the Sacramento region.

B. Action Plan

The Finance Plan outlines the strategy for financing, constructing and maintaining Public Improvements. The objectives of that strategy are to:

- Assure funding and/or construction of Public Improvements needed to serve the Project;
- Provide for public finance vehicles;
- Utilize existing County impact fee programs and other agency fee programs;
- Create a public plan area fee program with the County. The proposed plan area fee is described in greater detail in Section VII and Appendix D;

- Provide for "pay-as-you-go" financing mechanisms;
- Provide for "fair share" financing mechanisms;
- Access Federal and State grant and other infrastructure funding programs; and
- Mitigate funding cash flow and infrastructure delivery constraints.

The anticipated funding mechanisms for the Public Improvements are explained in greater detail in Section VII, Available Potential Funding Sources. A preliminary funding sources table (Table 30) provides a summary of potential sources while Tables 31-34 identifies the funding sources anticipated for the Project's Public Improvements. The Finance Plan may be updated from time to time to reflect changes to the Development Agreements, market conditions and financing mechanisms.

It is typical with multiple phase long term development projects that substantial infrastructure burdens are required in the initial years or phases prior to development of the benefitting phases. This causes a financial burden on the initial development entity or entities as those parties are required to construct and fund infrastructure to the benefit of subsequent development phases. Without an infrastructure financing program that provides the initial development entities with a reimbursement, financial burdens can be too extreme and prohibitive to project development. A financial plan shall outline the timing and amount of infrastructure required for the project, the respective development end user responsible for funding its fair share of the infrastructure, and a comprehensive credit and/or reimbursement program that provides the opportunity for equitable and feasible project development. As development occurs within the Project and market demand creates the need for future phases, Finance Plan updates may be prepared. Any update to the Finance Plan should identify the required set of Public Improvements and anticipated finance mechanisms for the future phase.

The development of the Project requires a significant number of Public Improvements to be constructed during the initial phases. Many of these Public Improvements benefit the Project and surrounding developments located along the Jackson corridor. The Public Improvement costs associated with initial phases of development exceed the fair share funding obligation of the respective phases of development. As a result, initial development will rely on fee credits and reimbursements from existing and planned fee programs to mitigate initial cash outflows and overall costs. Additionally, the Project will require alternative funding solutions in the form of Federal and State grants or tax increment through an EIFD. The Net Burden Analysis, shown later in Tables 12-17 provides an estimation of fee credits and reimbursements. Project credit and reimbursement agreements will document the terms and structure of these mechanisms for the respective programs. Details are discussed in the Development Agreement.

Flexibility within the action plan to mitigate changing market conditions and/or cost fluctuations is a component of this Finance Plan through the use of a variety of funding mechanisms, as described in Section VII, Available Potential Funding Mechanisms. The Finance Plan includes the following action items:

- Utilization of existing fee programs to fund facilities, such as parks, fire, library and schools;
- Creation of a public plan area fee program with the County to fund Public Improvements required by subsequent development. The proposed plan area fee is described in greater detail in Section VII and Appendix D;

- Utilization of federal, state, or local funding to help fund capital facilities;
- Formation of a Mello-Roos Community Facilities District ("CFD") to fund, as necessary, any backbone improvements, public facilities and services, as generally described in Section _____ of the Development Agreements; and
- Establishment of Assessment Districts or CFD's to fund, as necessary, any roadway maintenance costs, fire and law enforcement, storm drainage maintenance, lighting and landscape costs, parks, trails and open space maintenance as generally described in Section ___ of the Development Agreements.
- Pursue tax increment financing through the creation of an Enhanced Infrastructure Finance
 District

III. PROJECT IMPACT FEES & PUBLIC IMPROVEMENTS

A. Impact Fees

The Project is subject to a variety of existing development impact fee programs. Development impact fees may be used to finance regional or localized public improvements and facilities. These fees are used to pay for the allocable costs of public improvements and facilities associated with new development. Fees are charged to fund, but are not limited to, traffic mitigation measures (i.e. streets, traffic signals, transit facilities, bridges, bike lanes and sidewalks), storm drainage and flood control facilities, water and sewer facilities, parks, and public buildings including fire and school facilities. If public improvements and facilities fall within an agency's development impact fee program, the developer will be eligible for credit or reimbursement against such fee obligation. The Project is subject to the existing fee programs listed below:

County of Sacramento Impact Fee Program

New backbone infrastructure and capital facilities will be required to mitigate the impacts of new development. The impact fee program will collect fee revenue for various infrastructure and capital facilities components. The impact fee categories include the following:

Traffic Fee (Sacramento County Transportation Development Fee)

The purpose of the Sacramento County Transportation Development Fee (SCTDF) and Transit Impact Fee (TIF) Program is to fund improvements to the County's major roadway, transit, bicycle and pedestrian facilities needed to accommodate travel demand generated by new land development in the unincorporated portion of Sacramento County over the next 30 to 35 years (i.e. approximately 2050). The Sacramento County Board of Supervisors adopted a countywide transportation development fee program for roadway and transit improvements in 1988 and updated the roadway portion of the fee program in 1993. A comprehensive update to the SCTDF/TIF Program was adopted in 2008 and included bicycle and pedestrian infrastructure improvements. Some refinements to the SCTDF/TIF Program were subsequently approved in 2010. A major update to the SCTDF/TIF Program was conducted in 2018 that involved the following:

- New long-range development forecasts that included major new specific plans that have been proposed or approved since 2010,
- A new transportation needs analysis based on travel demand forecasts that reflect the new development forecasts,
- New construction cost estimates that reflected substantial increases in costs since 2010

• Fire Fee

The Sacramento Metropolitan Fire District ("SMFD") services a population of over 745,000 in a 358 square mile service area. SMFD is a combination of 16 smaller fire departments that, over the years, merged to create this California Special District. The SMFD retained NBS Government Finance Group to prepare a nexus study to analyze the impacts of new development on the District's facility and equipment needs and to calculate impact fees based on that analysis.

Library Fee

The County retained Willdan Financial Services to perform a nexus study to establish a countywide library impact fee that supersedes the plan area library impact fees. Impact fee programs in California must meet the requirements of the Mitigation Fee Act contained in California Government Code §66000 et seq. The Wildan study presents a nexus analysis of the reasonable relationship (nexus) between new urban development within the Urban Services Boundary of the unincorporated areas of County, the library facilities necessary to accommodate that development and a fee to fund those facilities.

Other development impact fees which are not charged by the County will also be required for payment; these include, but are not limited to, the following:

Sacramento Area Sewer District & Sacramento Regional County Sanitation District

The Sacramento Area Sewer District ("SASD") and Sacramento Regional County Sanitation District ("SRCSD") operate the wastewater collection and treatment system in various portions of the County and provide service to the Project. SASD collects wastewater and diverts it to the conveyance and treatment systems of the SRCSD. SASD and SRCSD charge and collect sewer impact fees to fund the costs to design, construct trunk-sized facilities and connect to wastewater interceptor and treatment systems.

Sacramento County Water Agency ("SCWA") / California American Water ("Cal Am")

SCWA was formed in 1952 and is governed by a Board of Directors. Zone 40 was created by SCWA Resolution No. 663 in May 1985, which described the boundaries of the zone and the types of projects to be undertaken. Zone 40 is a benefit zone created for the acquisition, construction, maintenance, and operation of facilities for the production, conservation, transmittal, distribution, and sale of ground or surface water or both for the present and future beneficial use of lands or inhabitants within the zone. Ordinance No. 18, adopted in 1986, empowered SCWA to establish fees, charges, credits, and regulations for the supply of water and required the development of a water supply master plan. The boundaries and scope of Zone 40's activities were expanded in April 1999 by Resolution WA-2331 to include the use of recycled water in conjunction with surface and groundwater. SCWA will provide water to a large portion of the Project. A portion of the Project is located within the Suburban/Rosemont service area of Cal Am.

SCWA - Zone 11

Zone 11A established a mechanism for funding the operation and maintenance of the County storm drainage system in order that storm and surface waters may be properly drained and controlled so that the health, safety and welfare of the County and its inhabitants may be safeguarded and protected. The County maintains a system of storm and surface water management facilities within the unincorporated area of the County, County storm drainage system means the system of storm and surface water management facilities, including but not limited to inlets, conduits, manholes, channels, ditches, drainage easements, retention and detention basins, infiltration facilities, overland release corridors and other components as well as natural waterways, within the unincorporated area that is either owned or operated by the County. The fees collected by Zone 11A equitably spread the costs associated with the construction of trunk drainage facilities among the beneficiaries of, or those that create the need for, these drainage facilities. Currently, the list of drainage facilities funded by Zone 11A does not include levees.

Cordova Recreation & Park District / Southgate Recreation & Park District

The Cordova Recreation and Park District ("CRPD") was formed in 1958 to provide parks and recreation facilities and services to residents in a portion of the unincorporated County. CRPD encompasses 75 square miles and maintains over 600 acres. CRPD has over 50 parks, five facilities with community meeting spaces, a sports complex, two community pools, a splash park, five splash pads and the Cordova Golf Course. CRPD is an independent district but relies on the County for some support services. CRPD is in the eastern portion of the County, approximately 13 miles east of downtown Sacramento. Portions of the Project are within the boundaries of CRPD and will be subject to park impact fees.

Southgate Recreation & Park District ("SRPD") is an independent special district established in 1956 under the Public Resources Code. SRPD provides park and recreation services in the County (south and east of the City of Sacramento). SRPD encompasses 45 square miles and includes 47 parks, 11 community centers and other facilities, 2 aquatic facilities, Wild Hawk Golf Club and many trails, parkways, open space areas and landscape corridors while creating community for area residents. Portions of the Project are within SRPD and will be subject to park impact fees.

Elk Grove Unified School District / Sacramento City Unified School District

The Elk Grove Unified School District (EGUSD) is the fifth-largest school district in California located in southern Sacramento County. EGUSD covers 320 square miles and includes 68 schools: 43 elementary schools, nine middle schools, nine high schools, five alternative education schools, an adult school, one charter school and a virtual academy. Portions of the Project are located within EGUSD and will be subject to developer fees adopted pursuant to a school facilities needs analysis or school justification study.

Sacramento City Unified School District ("SCUSD") is one of the oldest K-12 districts in the western United States (established in 1854). SCUSD serves 40,711 students on 75 campuses spanning 70 square miles. SCUSD is home to three Public Waldorf schools (George Washington Carver, Alice Birney and AM Winn) and the only Hmong language immersion program in the state (Susan B. Anthony Elementary School). Portions of the Project are located within SCUSD and will be subject to developer fees adopted pursuant to a school facilities needs analysis or school justification study.

Measure A (Sacramento Countywide Traffic Mitigation Fee Program)

In July of 2004 the Governing Board of the Sacramento Transportation Authority ("STA") passed Ordinance No. STA 04-01 ("Ordinance"), which provides for the continuation of a one half of one percent retail transactions and use tax for local transportation purposes. Three key components of the ordinance are 1) An expenditure plan that defines the projects to be financed, identifies the associated costs and allocates the costs between sales tax revenue funding and development impact fee ("DIF") funding, 2) Guidelines for the implementation of the Retail Transactions and Use Tax ("Retail Tax"), and 3) Guidelines for the implementation of the Sacramento Countywide Transportation Mitigation Fee Program ("SCTMFP"). Section VII of the Ordinance deals with the SCTMFP and states that "No revenue generated from the [retail transactions and use] tax shall be used to replace transportation mitigation fees required from new development...", and requires that the STA develop "... a professional and planning based process for charging new development with the cost of traffic impacts caused by each development...". SCTMFP is intended to comply with Section 66000 et. seq. of the Government Code, which was enacted by the State of California in 1987, by identifying additional public facilities required by new development and determining the level of County-wide development impact fees that may be imposed to pay the costs of the future facilities. Fee amounts have been determined that will partially

satisfy the financing of transportation infrastructure at levels identified by the various local agencies within the County as being necessary to meet the needs of new development through the year 2039.

Tables 3-4 outline the estimated development impact fee obligation for Area A, Area B And Area C of the Project. The development impact fees listed in Tables 3-4 represent the average development impact fees for the respective land use categories.

To the extent Developer pays or contributes more than is required to serve the Project or mitigate actual impacts from the Project, Developer is required to advance the funding for or otherwise construct Public Improvements earlier than is required to serve the Project or to mitigate actual impacts from the Project, Developer shall be entitled to either reimbursement or fee credit, subject to the credit/reimbursement provisions within the applicable fee program, for those costs in excess of the Developer's obligation consistent with the provisions of the respective fee program. The Developer anticipates entering into a credit and reimbursement agreement with the County. Specific terms of credit and reimbursement agreements will be subject to future negotiations between the Developer, County and other applicable agencies. Please refer to the Development Agreements for additional information regarding credits or reimbursements.

Other agency fee obligations of the Project include School District and the multiple park districts. Additional information of School Facility financing is described below in Section III.

TABLE 3 Development Impact Fees (Residential)

		Ar	ea A	- Residentia		
Land Use / Product Information		LDR		HDR	N	/lixed Use
Development Fee Calculations		Area A	- Re	sidential <i>Per</i>	Uni	t
County Building Fees [1]						
Building Permit	\$	3,446	\$	2,114	\$	2,114
Plan Check Review	\$	1,149	\$	705	\$	70
Long Range Planning Fee	\$	322	\$	197	\$	19
Zone Check Fee	\$	149	\$	92	\$	9
Building Standards (1473)	\$	18	\$	8	\$	
Strong Motion Fee	\$	44	\$	21	\$	2
Energy Plan Review Fee	\$	57	\$	35	\$	3
Enviro Compliance Fee	\$	40	\$	40	\$	4
IT Recovery	\$	230	\$	141	\$	14:
Sub-Total - Building fees	·	5,455		3,353		3,35
County Impact Fees [1]						
SCTDF - Transportation District 4	\$	18,211	\$	10,380	\$	10,38
SCTDF - Transit District 4	\$	1,124	\$	641	\$	64
SCTDF - Admin District 4	\$	447	\$	255	\$	25
Cross Jurisdictional	\$	476	\$	271	\$	27
Sac Metro Fire	\$	1,647	\$	1,291	\$	1,29
Measure A Fee	\$	1,532	\$	1,072	\$	1,07
SRCSD - Expansion	\$	6,479	\$	4,859	\$	4,85
SASD User Sewer Impact - Expansion	\$	3,802	\$	634	\$	63
SASD Technology	\$	114	\$	19	\$	1
Water - SCWA	\$	20,857	\$	15,643	\$	15,64
Drainage Fees Zone 11-A	\$	3,694	\$	745	\$	74
County Library Fee	\$	1,258	\$	816	\$	81
SSHCP		TBD		TBD		TBD
Affordable Housing	\$	8,052	\$	3,660	\$	3,66
Sub-Total - Impact Fees		67,693		40,285		40,28
Plan Area Fee Program [2]						
Transportation - Local		6,985		3,982		3,98
Water		1,033		775		77
Sewer		1,020		766		1,02
Drainage		13,518		2,253		2,25
Trails		700		399		39
Open Space		820		137		13
Subtotal Plan Area Fees		24,076		8,312		8,56
Other Jurisdiction Fees: [1]						
School District - EGUSD	\$	15,488	\$	7,040	\$	7,04
Park - CRPD		7,917		5,619		5,61
Subtotal Other Fees		23,405		12,659		12,65
Total West Jackson Fees	\$	120,629	\$	64,608	\$	64,86
T		465.15		61.055	<u>,</u>	64.5:
Total Impact Fees (Net of Building)	\$	115,174	\$	61,256	\$	61,51

^[1] Based on agency fee schedules.

^[2] Based on Plan Area Fee Analysis. See Appendix D for details.

				Are	ea B	- Residentia	al			
Land Use / Product Information		VLDR		LDR		MDR		HDR	Mi	xed Use
Development Fee Calculations				Area B	- Res	idential <i>Pe</i>	r Uni	it		
County Building Fees [1]										
Building Permit	\$	3,874	\$	3,446	\$	3,018	\$	2,114	\$	2,11
Plan Check Review	\$	1,291	\$	1,149	\$	1,006	\$	705	\$	70
Long Range Planning Fee	\$	362	\$	322	\$	282	\$	197	\$	19
Zone Check Fee	\$	168	\$	149	\$	131	\$	92	\$	9
Building Standards (1473)	\$	21	\$	18	\$	15	\$	8	\$	
Strong Motion Fee	\$	51	\$	44	\$	37	\$	21	\$	2
Energy Plan Review Fee	\$	65	\$	57	\$	50	\$	35	\$	3
Enviro Compliance Fee	\$	40	\$	40	\$	40	\$	40	\$	4
IT Recovery	\$	259	\$	230	\$	201	\$	141	\$	14:
Sub-Total - Building fees	·	6,130		5,455		4,779		3,353		3,35
County Impact Fees [1]										
SCTDF - Transportation District 4	\$	21,307	\$	18,211	\$	18,211	\$	10,380	\$	10,38
SCTDF - Transit District 4	\$	1,315	\$	1,124	\$	989	\$	641	\$	64
SCTDF - Admin District 4	\$	523	\$	447	\$	393	\$	255	\$	25
Cross Jurisdictional	\$	476	\$	476	\$	476	\$	271	\$	27
Sac Metro Fire	\$	1,647	\$	1,647	\$	1,647	\$	1,291	\$	1,29
Measure A Fee	\$	1,532	\$	1,532	\$	1,532	\$	1,072	\$	1,07
SRCSD - Expansion	\$	6,479	\$	6,479	\$	6,479	\$	4,859	\$	4,85
SASD User Sewer Impact - Expansion	\$	9,552	\$	3,802	\$	1,359	\$	634	\$	63
SASD Technology	\$	287	\$	114	\$	41	\$	19	\$	19
Water - Cal Am										
Drainage Fees Zone 11-A	\$	7,830	\$	3,694	\$	1,500	\$	745	\$	74
County Library Fee	\$	1,258	\$	1,258	\$	979	\$	816	\$	81
SSHCP		TBD		TBD		TBD		TBD		TBI
Affordable Housing	\$	9,516	\$	8,052	\$	6,588	\$	3,660	\$	3,66
Sub-Total - Impact Fees		61,722		46,836		40,194		24,643		24,64
Plan Area Fee Program [2]										
Transportation - Local	\$	8,173	\$	6,985	\$	6,985	\$	3,982	\$	3,98
Water										
Sewer	\$	1,020	\$	1,020	\$	1,020	\$	766	\$	1,02
Drainage	\$	33,964		13,518		4,832		2,253		2,25
Trails	\$	819		700		700		399		39
Open Space	\$	2,060	Ş	820	\$	293	Ş	137	Ş	13
Subtotal Plan Area Fees	\$	46,036	\$	23,043	\$	13,830	\$	7,537	\$	7,79
Other Jurisdiction Fees: [1]										
School District - EGUSD	\$	18,304	\$	15,488	\$	12,672	\$	7,040	\$	7,04
Park - CRPD	\$	7,917		7,917		7,150		5,619		5,619
Subtotal Other Fees	\$	26,221	\$	23,405	\$	19,822	\$	12,659	\$	12,65
Total West Jackson Fees	\$	140,109	\$	98,739	\$	78,625	\$	48,191	\$	48,44
Total Impact Fees (Net of Building)	\$	133,979	\$	93,284	\$	73,846	\$	44,838	\$	45,09

^[1] Based on agency fee schedules.

^[2] Based on Plan Area Fee Analysis. See Appendix D for details.

			Are	ea C	- Residentia	al			
Land Use / Product Information		VLDR	LDR		MDR	M	ixed Use		
Development Fee Calculations			Area C-	Res	sidential <i>Per</i>	· Uni	t		
County Building Fees [1]									
Building Permit	\$	3,874	\$ 3,446	\$	3,018	\$	2,114	\$	2,114
Plan Check Review	\$	1,291	\$ 1,149	\$	1,006	\$	705	\$	70!
Long Range Planning Fee	\$	362	\$ 322	\$	282	\$	197	\$	19
Zone Check Fee	\$	168	\$ 149	\$	131	\$	92	\$	9:
Building Standards (1473)	\$	21	\$ 18	\$	15	\$	8	\$:
Strong Motion Fee	\$	51	\$ 44	\$	37	\$	21	\$	2
Energy Plan Review Fee	\$	65	\$ 57	\$	50	\$	35	\$	3
Enviro Compliance Fee	\$	40	\$ 40	\$	40	\$	40	\$	40
IT Recovery	\$	259	\$ 230	\$	201	\$	141	\$	14:
Sub-Total - Building fees	·	6,130	5,455		4,779		3,353		3,35
County Impact Fees [1]									
SCTDF - Transportation District 4	\$	21,307	\$ 18,211	\$	18,211	\$	10,380	\$	10,380
SCTDF - Transit District 4	\$	1,315	\$ 1,124	\$	989	\$	641	\$	643
SCTDF - Admin District 4	\$	523	\$ 447	\$	393	\$	255	\$	25!
Cross Jurisdictional	\$	476	\$ 476	\$	476	\$	271	\$	27
Sac Metro Fire	\$	1,647	\$ 1,647	\$	1,647	\$	1,291	\$	1,29
Measure A Fee	\$	1,532	\$ 1,532	\$	1,532	\$	1,072	\$	1,07
SRCSD - Expansion	\$	6,479	\$ 6,479	\$	6,479	\$	4,859	\$	4,859
SASD User Sewer Impact - Expansion	\$	9,552	\$ 3,802	\$	1,359	\$	634	\$	634
SASD Technology	\$	287	\$ 114	\$	41	\$	19	\$	19
Water - SCWA	\$	20,857	\$ 20,857	\$	20,857	\$	15,643	\$	15,643
Drainage Fees Zone 11-A	\$	7,830	\$ 3,694	\$	1,500	\$	745	\$	746
County Library Fee	\$	1,258	\$ 1,258	\$	979	\$	816	\$	816
SSHCP		TBD	TBD		TBD		TBD		TBD
Affordable Housing	\$	9,516	\$ 8,052	\$	6,588	\$	3,660	\$	3,660
Sub-Total - Impact Fees		82,579	67,693		61,051		40,285		40,28
Plan Area Fee Program [2]									
Transportation - Local		8,173	6,985		6,985		3,982		3,982
Water		1,033	1,033		1,033		775		77!
Sewer		1,020	1,020		1,020		766		1,02
Drainage		33,964	13,518		4,832		2,253		2,25
Trails		819	700		700		399		399
Open Space		2,060	820		293		137		13
Subtotal Plan Area Fees		47,069	24,076		14,863		8,312		8,567
Other Jurisdiction Fees: [1]									
School District - EGUSD	\$	18,304	\$ 15,488	\$	12,672	\$	7,040	\$	7,040
Park - SRPD		7,917	7,917		7,150		5,619		5,619
Subtotal Other Fees		26,221	23,405		19,822		12,659		12,659
Total West Jackson Fees	\$	161,999	\$ 120,629	\$	100,515	\$	64,608	\$	64,864
	<u> </u>		-,-		· · · · · · · · · · · · · · · · · · ·				•
Total Impact Fees (Net of Building)	\$	155,869	\$ 115,174	\$	95,736	\$	61,256	\$	61,51

^[1] Based on agency fee schedules.

^[2] Based on Plan Area Fee Analysis. See Appendix D for details.

TABLE 4 Development Impact Fees (Non-Residential)

				Area A - Non R	-side	ential		
		MU		Aled A - NUT K	ESTUE	intial		
Land Use / Product Information	Co	mmercial		Commercial	En	nployment		Industrial
Development Fee Calculations				Area A - Non Resider	ntial	per Bldg SF		
County Building Fees [1]								
Building Permit	\$	0.75	\$	0.57	\$	0.51	\$	0.63
Plan Check Review	\$	0.75	\$	0.06	\$	0.03	\$	0.09
Long Range Planning Fee	\$	0.06	\$	0.04	\$	0.04	\$	0.05
Zone Check Fee	\$	0.02	\$	0.01	\$	0.00	\$	0.03
Building Standards (1473)	\$	0.02	\$	0.01	\$	0.01	\$	0.01
Strong Motion Fee	\$	0.02	\$		\$	0.02	\$	0.02
Energy Plan Review Fee	\$	0.02	ب \$	0.02	۶ \$	0.02	\$	0.02
= -	\$	0.01	۶ \$	0.00	\$	0.04	\$	0.04
Enviro Compliance Fee	\$		۶ \$		۶ \$	0.04	\$	
IT Recovery Sub-Total - Building fees	Ş	0.05 1.10	ڔ	0.03	ڔ	0.68	ڔ	0.04
Sub-Total - Bulluling Tees		1.10		0.79		0.08		0.90
County Impact Fees [1]								
SCTDF - Transportation District 4	\$	27.68	\$	27.68	\$	17.48	\$	10.93
SCTDF - Transit District 4	\$	1.71	\$	1.71	\$	1.08	\$	0.6
SCTDF - Admin District 4	\$	0.68	\$	0.68	\$	0.43	\$	0.2
Cross Jurisdictional	\$	0.52	\$	0.52	\$	0.46	\$	0.2
Sac Metro Fire	\$	1.36	\$	1.36	\$	1.73	\$	0.9
Measure A Fee	\$	2.30	\$	2.30	\$	1.84	\$	1.23
SRCSD - Expansion		TBD		TBD		TBD		TBD
SASD User Sewer Impact - Expansion	\$	0.70	\$	1.75	\$	1.45	\$	1.45
SASD Technology	\$	0.02	\$	0.05	\$	0.04	\$	0.04
Water - SCWA		TBD		TBD		TBD		TBE
Drainage Fees Zone 11-A	\$	0.91	\$	2.27	\$	1.89	\$	1.86
County Library Fee		NA		NA		NA		NA
SSHCP		TBD		TBD		TBD		TBD
Affordable Housing	\$	2.66	\$	2.66		3.31	\$	2.07
Sub-Total - Impact Fees	\$	38.54	Ş	40.98	\$	29.72	\$	19.6
Plan Area Fee Program [2]								
Transportation - Local	\$	7.61	\$	7.61	\$	6.71	\$	4.19
Water	\$	0.02	\$	0.04	\$	0.03	\$	0.03
Sewer	\$	0.20	\$	0.49	\$	0.41	\$	0.43
Drainage	\$	2.48	\$	6.21	\$	5.17	\$	5.17
Trails	\$	0.76	\$	0.76	\$	0.67	\$	0.42
Open Space	\$	0.15	\$	0.38	\$	0.31	\$	0.3
Subtotal Plan Area Fees	\$	11.22	\$	15.49	\$	13.30	\$	10.53
Other Jurisdiction Foos: [1]								
Other Jurisdiction Fees: [1] School District - EGUSD	\$	0.78	\$	0.78	Ś	0.78	\$	0.78
Park - CRPD	\$	0.61		0.61		0.94		0.41
				5.01		0.51		
Subtotal Other Fees	\$	1.39	\$	1.39	\$	1.72	\$	1.19
Total West Jackson Fees	\$	52.25	\$	58.64	\$	45.42	\$	32.28
Total Impact Fees (Net of Building)	\$	51.15	\$	57.85	\$	44.74	\$	31.3

^[1] Based on agency fee schedules.

^[2] Based on Plan Area Fee Analysis. See Appendix D for details.

				a D. Nam Postda at		
		MU	Are	ea B - Non Residentia	<u> </u>	
Land Use / Product Information	Con	nmercial		Commercial	Em	ployment
Development Fee Calculations		Area	a B - I	Non Residential per E	3ldg S	F
County Building Fees [1]						
Building Permit	\$	0.75	\$	0.57	\$	0.51
Plan Check Review	\$	0.15	\$	0.06	\$	0.03
Long Range Planning Fee	\$	0.06		0.04		0.04
Zone Check Fee	\$	0.02	•	0.01		0.00
Building Standards (1473)	\$	0.01	\$	0.01	\$	0.01
Strong Motion Fee	\$	0.02	\$	0.02	•	0.02
Energy Plan Review Fee	\$	0.01	\$	0.00	\$	0.00
Enviro Compliance Fee	\$	0.04	\$	0.04	\$	0.04
IT Recovery	\$	0.05	\$	0.03	\$	0.03
Sub-Total - Building fees	тт	1.10	т	0.79		0.68
County Impact Fees [1]						
SCTDF - Transportation District 4	\$	27.68	\$	27.68	\$	17.48
SCTDF - Transit District 4	\$	1.71	\$	1.71	\$	1.08
SCTDF - Admin District 4	\$	0.68	\$	0.68	\$	0.43
Cross Jurisdictional	\$	0.52	\$	0.52	\$	0.46
Sac Metro Fire	\$	1.36	\$	1.36	\$	1.73
Measure A Fee	\$	2.30	\$	2.30	\$	1.84
SRCSD - Expansion		TBD		TBD		TBD
SASD User Sewer Impact - Expansion	\$	0.70	\$	1.75	\$	1.45
SASD Technology	\$	0.02	\$	0.05	\$	0.04
Water - Cal Am		TBD		TBD		TBD
Drainage Fees Zone 11-A	\$	0.91	\$	2.27	\$	1.89
County Library Fee		NA		NA		NA
SSHCP		TBD	_	TBD	_	TBD
Affordable Housing	\$	2.66	\$	2.66	\$	3.31
Sub-Total - Impact Fees	\$	38.54	\$	40.98	\$	29.72
Plan Area Fee Program [2]		7.64			_	6.74
Transportation - Local	\$	7.61	\$	7.61	\$	6.71
Water	,	0.20		0.40		0.44
Sewer	\$	0.20	\$	0.49		0.41
Drainage Trails	\$ \$	2.48 0.76	\$ \$	6.21 0.76		5.17
Open Space	\$ \$	0.76	\$ \$	0.76	\$ \$	0.67 0.31
Subtotal Plan Area Fees	\$	11.21	\$	15.45	\$	13.27
Subtotal Hall Area rees	<u> </u>	11.21	7	15.45	<u>, , , , , , , , , , , , , , , , , , , </u>	13.27
Other Jurisdiction Fees: [1] School District - EGUSD	\$	0.78	\$	0.78	\$	0.78
Park - CRPD	\$ \$	0.78		0.78		
raik - CRPD	, 	0.61	ې 	0.61	\$	0.94
Subtotal Other Fees	\$	1.39	\$	1.39	\$	1.72
Total West Jackson Fees	\$	52.24	\$	58.60	\$	45.39
Total Impact Fees (Net of Building)	\$	51 1 <i>/</i> l	\$	E7 02	\$	44.71
Total Impact Fees (Net of Building)	\	51.14	Ş	57.82	Ş	44./1

^[1] Based on agency fee schedules.

^[2] Based on Plan Area Fee Analysis. See Appendix D for details.

				Area C - Non Re	side	ntial		
Land Use / Product Information	Con	MU nmercial		Commercial	En	nployment	In	dustrial
Development Fee Calculations				Area C - Non Residen	tial p	er Bldg SF		
County Building Fees [1]								
Building Permit	\$	0.75	\$	0.57	\$	0.51	\$	0.63
Plan Check Review	\$	0.15	\$	0.06	\$	0.03	\$	0.09
Long Range Planning Fee	\$	0.06	\$	0.04	\$	0.04	\$	0.05
Zone Check Fee	\$	0.02	\$	0.01	\$	0.00	\$	0.01
Building Standards (1473)	\$	0.01	\$	0.01	\$	0.01	\$	0.01
Strong Motion Fee	\$	0.02	\$	0.02	\$	0.02	\$	0.02
Energy Plan Review Fee	\$	0.01	\$	0.00	\$	0.00	\$	0.00
Enviro Compliance Fee	\$	0.04	\$	0.04	\$	0.04	\$	0.04
IT Recovery	, \$	0.05	\$	0.03	•	0.03	\$	0.04
Sub-Total - Building fees	·	1.10		0.79		0.68		0.90
County Impact Fees [1]								
SCTDF - Transportation District 4	\$	27.68	\$	27.68	\$	17.48	\$	10.93
SCTDF - Transit District 4	\$	1.71	\$	1.71	\$	1.08	\$	0.67
SCTDF - Admin District 4	\$	0.68	\$	0.68	\$	0.43	\$	0.27
Cross Jurisdictional	\$	0.52	\$	0.52	\$	0.46	\$	0.21
Sac Metro Fire	\$	1.36	\$	1.36	\$	1.73	\$	0.93
Measure A Fee	\$	2.30	\$	2.30	\$	1.84	\$	1.23
SRCSD - Expansion		TBD		TBD		TBD		TBD
SASD User Sewer Impact - Expansion	\$	0.70	\$	1.75	\$	1.45	\$	1.45
SASD Technology	\$	0.02	\$	0.05	\$	0.04	\$	0.04
Water - SCWA		TBD		TBD		TBD		TBD
Drainage Fees Zone 11-A	\$	0.91	\$	2.27	\$	1.89	\$	1.86
County Library Fee		NA		NA		NA		NA
SSHCP		TBD		TBD		TBD		TBD
Affordable Housing	\$	2.66	\$	2.66	\$	3.31	\$	2.07
Sub-Total - Impact Fees	\$	38.54	\$	40.98	\$	29.72	\$	19.65
Plan Area Fee Program [2]								
Transportation - Local	\$	7.61	\$	7.61	\$	6.71	\$	4.19
Water	\$	0.02	\$	0.04	\$	0.03	\$	0.03
Sewer	\$	0.20	\$	0.49	\$	0.41	\$	0.41
Drainage	\$	2.48	\$	6.21	\$	5.17	\$	5.17
Trails	\$	0.76	\$	0.76	\$	0.67	\$	0.42
Open Space	\$	0.15	\$	0.38	\$	0.31	\$	0.31
Subtotal Plan Area Fees	\$	11.22	\$	15.49	\$	13.30	\$	10.53
Other Jurisdiction Fees: [1]								
School District - EGUSD	\$	0.78	\$	0.78	\$	0.78	\$	0.78
Park - SRPD	\$	0.61		0.61		0.94		0.41
Cubanal Other Face						4 70	ć	4.40
Subtotal Other Fees	\$	1.39	\$	1.39	\$	1.72	\$	1.19
Total West Jackson Fees	\$	52.25	\$	58.64	\$	45.42	\$	32.28
Total Impact Fees (Net of Building)	\$	51.15	ċ	57.85	\$	44.74	\$	31.38

^[1] Based on agency fee schedules.

^[2] Based on Plan Area Fee Analysis. See Appendix D for details.

B. Public Improvements

The cost estimates associated with the Public Improvements necessary for development of the Project are shown in Table 5. Refer to **Appendix A** for additional cost and descriptions.

TABLE 5
Public Improvement Cost Summary

		Total Cost	Esti	imate	
Category	Buildout	Area A		Area B	Area C
Backbone Infrastructure					
Transportation - Regional					
Regional Roadways	\$ 559,743,518	\$ 260,275,720	\$	116,552,193	\$ 182,915,605
Cross Jurisdictional	\$ 12,344,031	\$ 5,599,759	\$	2,693,766	\$ 4,050,505
Transportation - Local					
Collector	\$ 74,126,250	\$ 8,265,000	\$	40,211,250	\$ 25,650,000
Arterial	\$ 19,067,500	\$ 19,067,500	\$	-	\$ -
Frontage					
Arterial	\$ 31,285,200	\$ 13,868,400	\$	5,286,400	\$ 12,130,400
Thoroughfare	\$ 58,981,900	\$ 23,251,900	\$	9,993,600	\$ 25,736,400
Subtotal Transportation	\$ 755,548,398	\$ 330,328,279	\$	174,737,209	\$ 250,482,910
Water - Offsite (SCWA)	\$ 27,615,666	\$ 16,805,334	\$	10,810,332	
Water - Onsite (SCWA)	\$ 14,236,872	\$ 7,082,946	\$	3,244,878	\$ 3,909,048
Water - Offsite (Cal Am)	\$ 1,160,874	\$ 779,922	\$	380,952	-,,-
Water - Onsite (Cal Am)	\$ 22,150,128	\$ 3,677,856	\$	18,472,272	\$ _
Sewer	\$ 58,555,458	\$ 22,792,770	\$	10,194,756	\$ 25,567,932
Drainage & Levee	\$ 250,626,392	\$ 128,437,393	\$	51,573,222	\$ 70,615,777
Subtotal Backbone Infrastructure	\$ 1,129,893,788	\$ 509,904,500	\$	269,413,621	\$ 350,575,667
Public Facilities					
Parks - CRPD [1]	\$ 59,741,787	\$ 26,618,600	\$	29,912,058	\$ 3,211,130
Parks - SRPD	\$ 66,679,587	\$ 6,419,590	\$	8,036,176	\$ 52,223,821
Regional Trails	\$ 27,210,011	\$ 12,080,172	\$	6,433,432	\$ 8,696,407
Local/Conventional Trails	\$ 12,988,560	\$ 7,221,926	\$	3,694,205	\$ 2,072,429
Transit	\$ 31,535,747	\$ 14,673,941	\$	6,574,645	\$ 10,287,162
Open Space	\$ 13,531,343	\$ 14,073,341	\$	13,531,343	\$ 10,207,102
Fire	\$ 44,143,251	\$ 19,812,813	\$	9,714,662	\$ 14,615,777
Libraries	\$ 18,006,372	\$ 3,958,416	\$	5,733,636	\$ 8,314,320
Schools - Elk Grove USD	\$ 211,058,820	\$ 45,923,841	۶ \$	67,288,552	\$ 97,846,427
Schools - Sac City USD	\$ 2,995,736	\$ 2,995,736	\$	-	\$ -
Subtotal Public Facilities	\$ 487,891,215	\$ 139,705,035	\$	150,918,708	\$ 197,267,472
Total Project Improvements [2]	\$ 1,617,785,004	\$ 649,609,535	\$	420,332,329	\$ 547,843,140

^[1] Amounts based on the methodology used in the Fuhrman Leamy Group park impact fee cost analysis dated May 2022 for JTSP.

^[2] Based on engineer estimates from Wood Rodgers or existing fee programs.

Description of Public Improvements

A. Backbone Infrastructure

A general description of engineering information for the Public Improvements described below is provided by Wood Rodgers. Detailed engineering information is provided in the attached Appendix A.

1. Transportation: The Project will provide a combination of regional and local transportation improvements required to meet the traffic demands created by the Project. The regional transportation improvements include major thoroughfare and arterial roads plus cross jurisdictional roadways while local roadways will generally serve the internal circulation of the Project. Both regional and local roads will be the responsibility of the County Department of Transportation. The following is a description of the Regional and Local roadways.

Regional Roads:

These include road facilities that provided connectivity to multiple areas with the County. Typically, these roadway segments are defined as thoroughfare and arterial roads identified within the SCTDF program, Measure A program plus cross jurisdictional roadways. The Project is anticipated to fund improvements for the following Regional Roadways:

- Bradshaw Road
- Elder Creek Road
- Excelsior Road
- Florin Road
- Jackson Highway
- Kiefer Road
- Mayhew Road
- South Watt Avenue
- Cross Jurisdictional: (Pending)

Local Roads:

These are typically classified as major residential roadway improvements, intersections and traffic signals providing expanded and/or enhanced capacity within the Project boundaries. This may also include frontage improvements associated with specific regional roadway improvements. These include the following:

- Collector Road C
- Excelsior Road
- Hedge Avenue
- Rock Creek Parkway
- Regional Frontage:
 - Bradshaw Road
 - Elder Creek Road
 - Excelsior Road
 - Florin Road
 - Jackson Highway

- Kiefer Road
- Mayhew Road
- South Watt Avenue

Funding Sources/Strategy:

The Project will fund regional and local roadways from a combination of revenue sources. These include, but are not limited to, the following:

- a. Sacramento County Transportation Development Fee ("SCTDF")
- b. Sacramento County Transportation Mitigation Fee Measure A ("SCTMF")
- c. Cross Jurisdictional
- d. West Jackson Highway Master Plan fee program

These revenue sources are defined in greater detail above and estimated funding amounts are summarized below.

		Transportat	ion	Funding Sum	ma	ıry							
Program Area A Area B Area C Buildout													
SCTDF	\$	237,655,103	\$	107,042,440	\$	167,979,843	\$	512,677,387					
Measure A	\$	22,620,617	\$	9,509,752	\$	14,935,762	\$	47,066,131					
Cross Jurisdictional	\$	5,599,759	\$	2,693,766	\$	4,050,505	\$	12,344,031					
West Jackson HMP	\$	83,044,810	\$	39,548,177	\$	60,867,864	\$	183,460,850					
Total	\$	348,920,289	\$	158,794,136	\$	247,833,974	\$	755,548,398					

2. Water: Adequate water supply, treatment and transmission improvements will be provided to the Project by the Sacramento County Water Agency ("SCWA") and California American Water ("Cal Am"). The majority of water improvements will be constructed as part of major roadway construction and include both offsite and onsite improvements. The costs are based on estimates from Wood Rodgers.

Water Improvements – Offsite (SCWA):

Water improvements include a series of transmission mains that will be part of SCWA's Zone 40 service area. SCWA will provide fee credits to the constructing entity. These offsite water improvements are described in greater detail in Appendix A

Water Improvements – Offsite (Cal Am):

Water improvements include a series of transmission mains that will be part of Cal Am's service area. Cal Am is anticipated to provide a reimbursement to the constructing entity. These offsite water improvements are described in greater detail in Appendix A.

Water Improvements – Onsite (SCWA):

Water improvements include a series of transmission mains that will be part of SCWA's Zone 40 service area. SCWA will provide fee credits to the constructing entity for a portion of the onsite improvements. These onsite water improvements are described in greater detail in Appendix A.

Water Improvements - Onsite (Cal Am):

Water improvements include a series of transmission mains that will be part of Cal Am's service area. Cal Am will provide reimbursement to the constructing entity for a portion of the onsite improvements. These onsite water improvements are described in greater detail in Appendix A.

Funding Sources/Strategy:

The Project will fund offsite and onsite water improvements from a combination of revenue sources. These include, but are not limited to, the following:

- a. Sacramento County Water Agency ("SCWA") Zone 40 fee program
- b. California American Water ("Cal Am") reimbursement program
- c. West Jackson Highway Master Plan fee program

These revenue sources are defined in greater detail above and estimated funding amounts are summarized below.

Water Funding Summary											
Program		Area A	Area B			Area C	Buildout				
SCWA	\$	68,592,266	\$	20,481,530	\$	140,645,423	\$	229,719,218			
Cal Am	\$	4,457,778	\$	18,853,224	\$	-	\$	23,311,002			
West Jackson HMP	\$	3,359,606	\$	1,012,333	\$	6,938,801	\$	11,310,740			
Total	\$	76,409,650	\$	40,347,087	\$	147,584,223	\$	264,340,960			

3. Sewer: The sewer system will encompass a series of backbone improvements used to collect and treat wastewater generated by land uses within the multiple Project areas and adjacent developments. The sewer system consists of backbone transmission lines, collector transmission lines, force mains and lift stations that will be owned and operated by SASD. Wood Rodgers provided the sewer improvement cost estimates.

Sewer Improvements - Backbone (Regional):

Sewer infrastructure improvements anticipated to service multiple Project areas and adjacent developments. SASD typically defines these as trunk improvements and should be eligible for fee credits for the constructing entity. The backbone sewer improvements are described in greater detail in Appendix A.

Sewer Improvements – Local:

Sewer infrastructure improvements anticipated to service specific portions of the Project. These improvements are not considered eligible for fee credits but are critical to buildout of the Project. The backbone sewer improvements are described in greater detail in Appendix A.

Sewer Treatment

The backbone and local sewer improvements will connect to Sacramento Regional County Regional Sanitation District interceptor improvements and ultimately to the wastewater treatment plant.

Funding Sources/Strategy:

The Project will fund regional and local roadways from a combination of revenue sources. These include, but are not limited to, the following:

- a. Sacramento Area Sewer District ("SASD") fee program
- b. Sacramento Regional County Regional Sanitation District ("SRCSD")
- c. West Jackson Highway Master Plan fee program

These revenue sources are defined in greater detail above and estimated funding amounts are summarized below.

Sewer Funding Summary												
Program		Area A Area B Area C Buildout										
SRCSD	\$	21,531,337	\$	30,856,238	\$	45,244,477	\$	97,632,051				
SASD	\$	22,655,771	\$	15,961,482	\$	24,113,358	\$	62,730,611				
West Jackson HMP	\$	7,413,858	\$	5,397,554	\$	8,294,460	\$	21,105,872				
Total	\$	51,600,966	\$	52,215,274	\$	77,652,294	\$	181,468,534				

4. Storm Drain: The Project is located within the watersheds of Morrison Creek and Elder Creek. The drainage improvements are designed to modify peak flows such that they do not exceed pre-development flows. This will be accomplished by an extensive series of basins, pump stations and trunk lines which will be owned and operated by Sacramento County Department of Water Resources ("DWR") drainage department. Additionally, the storm drain system will require the construction of several levee segments (or criteria of high ground) associated with the creek systems and tunnel closures associated with the previous mining activities. The levee system is proposed to be owned by a yet to be determined special district. Specifically, the Project is located with Zone 11A of DWR and should provide the constructing entity with fee credits. Currently, Zone 11A does not include funding for levee improvements. As an alternative to DWR owning and operating the drainage and levee improvements, the Project could also form a special district to operate and maintain these facilities. If required, the appropriate special district will be determined in consultation with DWR.

Wood Rodgers provided the storm drainage improvements cost estimates.

Storm Drain Improvements:

Storm drain improvements designed and sized to accommodate Project runoff into existing waterways do not exceed pre-development flows and are designed to reduce any downstream impacts. The storm drain improvements are described in greater detail in Appendix A.

Levee Improvements:

Levee improvements designed to provide enhanced flood control protection along Morrison Creek and Elder Creek. These levee improvements are described in greater detail in Appendix A.

Tunnel Closures:

The conveyor facilities for the mining operations have multiple locations where tunnels are located beneath existing roads. Specific tunnels will need to be closed as not all are intended to convey flows as part of the drainage solutions. These tunnel closures are described in greater detail in Appendix A.

Funding Sources/Strategy:

The Project will fund backbone and local drainage improvements from a combination of revenue sources. These include, but are not limited to, the following:

- a. DWR Zone 11A fee program
- b. West Jackson Highway Master Plan fee program

These revenue sources are defined in greater detail above and estimated funding amounts are summarized below. Zone 11A fee calculations per County fee schedules and Project land use plan. See Table 3 and Table 4 for additional details.

Drainage Funding Summary											
Program		Area A Area B Area C Buildo									
DWR Zone 11A	\$	26,743,895	\$ 16,172,738	\$	24,625,236	\$	67,541,870				
West Jackson HMP	\$	80,538,487	\$ 56,719,676	\$	85,798,101	\$	223,056,265				
Total	\$	107,282,383	\$ 72,892,415	\$	110,423,337	\$	290,598,135				

B. Public Facilities

Detailed engineering information for the Public Facilities described below is provided by Wood Rodgers or consistent with existing fee programs. The information is provided in the attached Appendix A.

1. Parks – Neighborhood & Community:

In addition to an extensive network of Backbone Infrastructure, the Project includes a diverse group of parks that will be for public use. The Project will be serviced by the Cordova Recreation and Parks District ("CRPD") and the Southgate Recreation and Park District ("SRPD"). Each park district has a set of service standards that will apply to the Project and guide delivery of the required park sites. The County General Plan and each park district defines park sizes and naming conventions for each park type. The following table provides a summary of this information for CRPD and SRPD.

Park Type & Size Definition		Park T	vnes	
Jurisdiction	Pocket		Neighborhood	Community
County General Plan	Less than 2 acres	2-5 Acres	5-10 acres	10+ Acres
CRPD	N/A	N/A	2-15 Acres	15+ Acres
SRPD	Less than 2 acres	2-5 Acres	5-10 Acres	10+ Acres

Park development will take the form of neighborhood parks and community parks. The neighborhood parks and community parks will be located within walking distance of a majority

of the homes. The park facilities are anticipated to be phased with the timing of the residential construction based on the demand for such facilities. Park facilities will be constructed along with individual subdivision development in subsequent years and provide the constructing entity with fee credits.

CRPD Parks:

Neighborhood & Community Parks - Park acreage is based on CRPD park requirements of 4.87 acres of improved parkland for every 1,000 residents.

Park Facilities – Neighborhood:

Park facilities include 32.5 acres of neighborhood parks. Neighborhood parks will serve as recreational focal points for neighborhoods and connect with open space, school sites and trail system.

Park Facilities – Community:

Park facilities include 62.2 acres of community parks. Community parks should generally be 15 acres or more in size with active programming with access to major roadways.

SRPD Parks:

Neighborhood & Community Parks - Park acreage is based on SRPD park requirements of 5.00 acres of improved parkland for every 1,000 residents.

Park Facilities – Neighborhood:

Park facilities include 63.9 acres of neighborhood parks. Neighborhood parks will serve as recreational focal points for neighborhoods and connect with open space, school sites and trail system.

Park Facilities - Community:

Park facilities include 30-plus acres of community parks. Community parks should generally be 15 acres or more in size with active programming with access to major roadways

Funding Sources/Strategy:

The Project will fund neighborhood and community parks from a combination of revenue sources. These include, but are not limited to, the following:

- a. CRPD impact fee program
- b. SRPD impact program

These revenue sources are defined in greater detail above and estimated funding amounts are summarized below.

Park Funding Summary											
Program		Area A Area B Area C Buildou									
CRPD	\$	26,618,600	\$	29,912,058	\$	3,211,130	\$	59,741,787			
SRPD	\$	6,419,590	\$	8,036,176	\$	52,223,821	\$	66,679,587			
Total	\$	33,038,189	\$	37,948,233	\$	55,434,951	\$	126,421,374			

2. Trails:

In addition to an extensive network of neighborhood and community parks the Project includes a trail system that will be for public use. The trails will be phased with the timing of the residential construction based on the demand for such facilities. Trails will be constructed along with individual subdivision development in subsequent years. It is anticipated the Project will have a series of regional trails and localized trails which will be owned and operated by the County. Some regional trails may fall within the County's SCTDF program and be eligible for fee credits to the constructing entity.

Trails - Regional:

Trail facilities include 15.3 miles of recreational amenities and alternative travel modes.

Trails – Local (Conventional):

Trail facilities include 8.3 miles of recreation amenities and provide enhance connectivity within the Project.

Funding Sources/Strategy:

The Project will fund regional and local trails from a combination of revenue sources. These include, but are not limited to, the following:

- a. SCTDF impact fee program
- b. West Jackson Highway Master Plan fee program

These revenue sources are defined in greater detail above and estimated funding amounts are summarized below.

Trails Funding Summary										
Program		Area A	Area C	Buildout						
SCTDF	\$	9,682,996	\$	5,156,789	\$	6,970,702	\$	21,810,487		
West Jackson HMP	\$	8,323,492	\$	3,963,871	\$	6,100,721	\$	18,388,084		
Total	\$	18,006,488	\$	9,120,660	\$	13,071,423	\$	40,198,571		

3. Transit

The Project will receive service from Sacramento Regional Transit ("Sac RT").

Funding Sources/Strategy:

The Project will fund Sac RT facilities by payment of the transit portion of the SCTDF. The transit portion of the SCTDF program is estimated at \$31.5 million.

Transit Funding Summary										
Program Area A				Area B		Area C	Buildout			
SCTDF	\$	14,673,941	\$	6,574,645	\$	10,287,162	\$	31,535,747		

4. Open Space:

The Project is anticipated to provide an expansive open space system preserving the natural beauty of the land and creek corridors. The open space network will develop and be dedicated along with the parks and trail system to provide enhanced recreational opportunities with the

Project. The open space system will be owned and operated by a variety of entities including the County and South Sacramento Conservation Agency.

Open Space – Area A: 804.5 acres which includes open space, preserve and urban farm.

Open Space – Area B: 101.9 acres which includes open space, enhanced landscaping and preserve.

Open Space – Area C: 975.5 acres which includes open space, preserve and urban farm.

Funding Sources/Strategy:

The Project will fund open space through the West Jackson Highway Master Plan fee program. These fee programs are defined in greater detail above and estimated funding amount is estimated at \$13.5 million.

C. Other Public Facilities

1. Fire:

The Project will receive service from the Sacramento Metropolitan Fire District ("SMFD"). The Project falls within Division 4 and 9 of SMFD and anticipates receiving service from Station 52.

Funding Sources/Strategy:

The Project will fund SMFD facilities by payment of the adopted impact fee. The impact fee program is defined in greater detail above and estimated funding amounts are estimated at \$44.1 million.

2. Library:

The Project will receive service from the Sacramento Public Library Authority ("SPLA").

Funding Sources/StrateThe Project will fund SPLA facilities by payment of the adopted impact fee. The impact fee program is defined in greater detail above and estimated funding amounts are estimated at \$18.0 million.

3. School:

The Project is serviced by multiple school districts. Portions of the Project are located in the Elk Grove Unified School District ("EGUSD") and the Sacramento City Unified School ("SCUSD"). The Project is anticipated to provide multiple school sites to EGUSD.

EGUSD Schools:

Elementary Schools- 40 acres (5 sites)

Middle Schools/High School – 72.0 acres (1 joint site)

Funding Sources/Strategy:

The Project will fund elementary, middle and high schools from a combination of revenue sources. These include, but are not limited to, the following:

- a. EGUSD developer fee program
- b. EGUSD Community Facilities District No. 1
- c. Measure M

The fee program is estimated at \$211.1 million.

SCUSD – no new school sites identified within the Plan Area.

Funding Sources/Strategy:

The Project will fund elementary, middle and high schools from a combination of revenue sources. These include, but are not limited to, the following:

- a. SCUSD developer fee program
- b. Measure Q and R

The fee program is estimated at \$2.9 million.

D. Other Facilities & Land Costs

1. In-tract and Private Facilities:

In addition to the Public Improvements within the Project, there will be a network of smaller public facilities located throughout the Project. This network of smaller public facilities will include roadway, sewer, water and storm drain facilities. The size and location of these smaller public facilities will be indicated on the subdivision maps and approved when final maps and improvement plans are prepared.

2. Land Dedication/Right-of-Way Costs:

A public land equity/land dedication program is not currently proposed for the Project. Current engineering and related cost analysis do not anticipate Right of Way acquisition obligations of the Project. The Project will dedicate all necessary land for parks, trails, open space, easements, roadway improvements and Right of Way's as required for Project development. The Project will be entitled to applicable development impact fee credits and reimbursements only to the extent such dedications are identified in the applicable agency impact fee program.

IV. FINANCIAL BURDEN ANALYSIS

Methodology

As displayed above in Table 5, Public Improvement costs are allocated among the Project's specific development areas at buildout. The allocation of Public Improvements is based on engineering standards as determined by the County, Applicants, service providers and by the Project's engineers, Wood Rodgers. Engineering source documentation is provided in the attached **Appendix A (Engineering Cost Estimates)**.

Additionally, for purposes of this planning level PFFP, the Public Improvements have been allocated among the residential and non-residential land uses based on specific equivalent dwelling unit ("EDU") factors. These EDU based allocations are a preliminary method for determining an equitable share of Public Improvements within the Project. The detailed EDU calculations are provided in **Appendix B (EDU Calculations)**. Subsequent implementation level PFFP's will include an updated equitable cost allocation that is based on the specific needs of each development area. This will be particularly important for drainage and flood control infrastructure improvements, because not all development in the Master Plan area will require levee protection.

Table 6 below references the Public Improvement category, service provider and demand factors. Many of the public facilities are funded by existing fee programs and the Project does not have a construction obligation; therefore, these public facility categories are not subject to the Finance Plan's EDU allocation methodology.

TABLE 6
EDU Allocation Methodology

Category	Agency	Factor
Backbone Infrastructure		
Transportation - Regional		
Regional Roadways	County	Trip Generation Rates
Cross Jurisdictional	County	Trip Generation Rates
Transportation - Local		
Collector	County	Trip Generation Rates
Arterial	County	Trip Generation Rates
Frontage		
Arterial	County	Trip Generation Rates
Thoroughfare	County	Trip Generation Rates
Water - Offsite	SCWA	Water Consumption
Water - Onsite	SCWA	Water Consumption
Water - Offsite	Cal Am	Water Consumption
Water - Onsite	Cal Am	Water Consumption
Sewer	SASD/SRCSD	Discharge Flows
Drainage & Levee	SCWA	Net Acres
Public Facilities		
Neighborhood Parks	CRPD	Person per household
Community Parks	CRPD	Person per household
Neighborhood Parks	SRPD	Person per household
Community Parks	SRPD	Person per household
Regional Trails	County	Trip Generation Rates
Local Trails	County	Trip Generation Rates
Transit	County / Sac RT	Trip Generation Rates
Open Space	County	Acres

EDU Cost Allocations

The Finance Plan utilizes EDU factors to proportionately allocate Public Improvements to the benefiting land uses within the proposed development areas of the Project. These cost allocations play a critical role in determining the feasibility for specific land uses and development areas of the Project. The following tables summarize the results of the EDU based allocation analysis for the respective development areas on a cost per unit or cost per nonresidential building square foot basis. As the development areas are serviced by multiple agencies the following tables represent a protype land use.

TABLE 7
Public Improvement Cost - EDU Allocations – Area A

									Area A										
				Resid	denti	ial							Non	-Res	sidential				
Category	Very Low Density	Lov	w Density	Medium Density	Hig	h Density	Mi	xed Use	Average		lixed Use ommercial	Con	nmercial	Em	ployment	Inc	lustrial	Ave	erage
Backbone Infrastructure *																			
Transportation - Regional																			
Regional Roadways		\$	19,743		\$	11,452	\$	11,452	\$15,899	\$	29.98	\$	29.98	\$	19.32	\$	12.16	\$:	21.67
Cross Jurisdictional		\$	476		\$	271	\$	271	\$ 381	\$	0.52	\$	0.52	\$	0.46	\$	0.21		0.45
Transportation - Local		,	., 0		,	-/-	7		ų 501	,	0.52	Ψ.	0.52	7	00	Υ .	0.22	~	05
Collector		\$	695		\$	396	\$	396	\$556.59	\$	0.76	\$	0.76	Ś	0.67	\$	0.42	Ś	0.67
Arterial		\$	1,604		\$	914	Ś	914	\$ 1,284	Ś	1.75	Ś	1.75	Ś	1.54	\$	0.96		1.54
Frontage		,	_,		7		,		7 -/	7		7		,		7		7	
Arterial		\$	1,167		\$	665	Ś	665	\$ 934	Ś	1.27	Ś	1.27	Ś	1.12	\$	0.70	Ś	1.12
Thoroughfare		\$	1,956		\$	1,115	\$	1,115	\$ 1,566	Ś	2.13	\$	2.13	Ś	1.88	Ś	1.17		1.88
Water - Offsite		\$	5,168		\$	3,876	\$	3,876	\$ 4,610	\$	0.08	\$	0.19	\$	0.16	ľ			0.15
Water - Onsite		\$	2,178		\$	1,633	\$	1,633	\$ 1,943	\$	0.03	\$	0.08	\$	0.07			\$	0.06
Sewer		\$	3,143		\$	2,362	\$	3,143	\$ 2,897	\$	0.42	\$	1.50	\$	1.25	\$	1.25	\$	1.29
Drainage & Levee		\$	21,541		\$	3,595	\$	3,596	\$13,220	\$	3.96	\$	9.90	\$	8.25	\$	8.25	\$	8.51
Public Facilities *																			
Neighborhood Parks		\$	1,493		\$	1,129	\$	1,129	\$ 1,344	\$	0.58	\$	0.58	\$	0.90	\$	0.38	\$	0.74
Community Parks		\$	2,368		\$	1,790	\$	1,790	\$ 2,133	\$	0.92	\$	0.92	\$	1.42	\$	0.61	\$	1.18
Regional Trails		\$	1,016		\$	579	\$	579	\$ 814	\$	1.11	\$	1.11	\$	0.98	\$	0.61	\$	0.98
Local Trails		\$	607		\$	346	\$	346	\$ 486	\$	0.66	\$	0.66	\$	0.58	\$	0.36	\$	0.58
Transit		\$	1,124		\$	641	\$	641	\$ 900	\$	1.71	\$	1.71	\$	1.08	\$	0.67	\$	1.22
Open Space		\$	-		\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-
Fire		\$	1,647		\$	1,291	\$	1,291	\$ 1,482	\$	1.36	\$	1.36	\$	1.73	\$	0.93	\$	1.54
Libraries		\$	1,258		\$	816	\$	816	\$ 1,053	\$	-	\$	-	\$	-	\$	-	\$	-
Schools		\$	15,488		\$	7,040	\$	7,040	\$11,839	\$	0.78	\$	0.78	\$	0.78			\$	0.78
* - Service providers include SCWA, CR	PD and EGUSD																		

TABLE 8
Public Improvement Cost - EDU Allocations – Area B

											Area B										
						Resid	lent	ial							Non	-Res	sidential				
Category		ery Low ensity	Lov	v Density		edium ensity	Hig	h Density	Mi	ixed Use	Average		ixed Use mmercial	Cor	nmercial	Em	ployment	Inc	lustrial	Ave	rage
Backbone Infrastructure *																					
Transportation - Regional																					
Regional Roadways	ς	22,839	\$	19.743	ς,	19,743	\$	11,452	\$	11,452	\$17.374	Ś	29.98	\$	29.98	Ś	19.32	\$	12.16	\$ 24	4 N
Cross Jurisdictional	\$	476	\$	476	\$	476	\$	271	\$	271	\$ 417	\$	0.52	\$	0.52	\$	0.46	\$	0.21	\$ (
Transportation - Local	7	470	7	470	7	470	7	2/1	7	2/1	7 -17	7	0.52	7	0.32	7	0.40	7	0.21	,	,. -
Collector	\$	8,310	\$	7.102	\$	7.102	\$	4,048	\$	4,048	\$ 6,230	\$	7.74	Ś	7.74	Ś	6.82			s 7	7.23
Arterial	Ś	-	\$	-	\$	-	\$	-	Ś	-	\$ -	\$	-	\$	-	\$	-			1	-
Frontage	7		T		7		7		7		T	7		Ť		,				T	
Arterial	\$	1,092	\$	934	\$	934	\$	532	\$	532	\$ 819	\$	1.02	\$	1.02	\$	0.90			\$ (0.95
Thoroughfare	\$	2,065	\$	1,765	\$	1,765	\$	1,006	\$	1,006	\$ 1,548	\$	1.92	\$	1.92	\$	1.69			\$ 1	1.80
Water - Offsite	\$	100	\$	100	\$	100	\$	75	\$	75	\$ 91	\$	0.00	\$	0.00	\$	0.00			\$ (0.00
Water - Onsite	\$	4,843	\$	4,843	\$	4,843	\$	3,632	\$	3,632	\$ 4,427	\$	0.07	\$	0.18	\$	0.15			\$ (0.13
Sewer	\$	1,932	\$	1,932	\$	1,932	\$	1,452	\$	1,932	\$ 1,836	\$	0.26	\$	0.92	\$	0.77			\$ (0.68
Drainage & Levee	\$	31,019	\$	12,280	\$	4,403	\$	2,049	\$	2,045	\$ 9,094	\$	2.26	\$	5.64	\$	4.70			\$ 4	4.29
Public Facilities *																					
Neighborhood Parks	\$	2,719	\$	2,719	\$	2,719	\$	2,056	\$	2,056	\$ 2,490	\$	1.05	\$	1.05	\$	1.64			\$ 1	1.34
Community Parks	\$	4,312	\$	4,312	\$	4,312	\$	3,260	\$	3,260	\$ 3,948	\$	1.67	\$	1.67	\$	2.59			\$ 2	2.12
Regional Trails	\$	1,329	\$	1,136	\$	1,136	\$	648	\$	648	\$ 997	\$	1.24	\$	1.24	\$	1.09			\$ 1	1.16
Local Trails	\$	763	\$	652	\$	652	\$	372	\$	372	\$ 572	\$	0.71	\$	0.71	\$	0.63			\$ (0.66
Transit	\$	1,315	\$	1,124	\$	989	\$	641	\$	641	\$ 979	\$	1.71	\$	1.71	\$	1.08	\$	0.67	\$ 1	1.36
Open Space	\$	8,139	\$	3,222	\$	1,155	\$	538	\$	537	\$ 2,386	\$	0.59	\$	1.48	\$	1.23			\$ 1	1.13
Fire	\$	1,647	\$	1,647	\$	1,647	\$	1,291	\$	1,291	\$ 1,544	\$	1.36	\$	1.36	\$	1.73			\$ 1	1.57
Libraries	\$	1,258	\$	1,258	\$	979	\$	816	\$	816	\$ 1,117	\$	-	\$	-	\$	-			\$	-
Schools	\$	18,304	\$	15,488	\$1	12,672	\$	7,040	\$	7,040	\$12,936	\$	0.78	\$	0.78	\$	0.78			\$ (0.78
* - Service providers include Cal Am, C	RPD	and EGUSI).						1			l									

TABLE 9
Public Improvement Cost - EDU Allocations – Area C

												Area C									
						Resid	lenti	al							Non	-Res	idential				
Category		ry Low ensity	Lov	w Density		edium ensity	High	Density	Mi	xed Use	A	verage	 lixed Use mmercial	Cor	mmercial	Em	ployment	Inc	lustrial	Av	erage
Backbone Infrastructure *																					
Transportation - Regional																					
Regional Roadways		22,839	\$	19,743		.9,743	\$	11,452	\$	11,452		17,162	\$ 29.98	\$	29.98	\$	19.32	\$	12.16		21.45
Cross Jurisdictional	\$	476	\$	476	\$	476	\$	271	\$	271	\$	410	\$ 0.52	\$	0.52	\$	0.46	\$	0.21	\$	0.38
Transportation - Local																					
Collector	\$	3,444	\$	2,944	\$	2,944	\$	1,678	\$	1,678	\$	2,550	\$ 3.21	\$	3.21	\$	2.83	\$	1.77	\$	2.56
Arterial	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	-
Frontage																					
Arterial	\$	1,629	\$	1,392	\$	1,392	\$	793	\$	793	\$	1,206	\$ 1.52	\$	1.52	\$	1.34	\$	0.84	\$	1.21
Thoroughfare	\$	3,456	\$	2,954	\$	2,954	\$	1,684	\$	1,684	\$	2,559	\$ 3.22	\$	3.22	\$	2.84	\$	1.77	\$	2.57
Water - Offsite	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	-
Water - Onsite	\$	582	\$	582	\$	582	\$	436	\$	436	\$	541	\$ 0.01	\$	0.02	\$	0.02	\$	0.02	\$	0.02
Sewer	\$	3,156	\$	3,156	\$	3,156	\$	2,372	\$	3,156	\$	3,009	\$ 0.43	\$	1.51	\$	1.26	\$	1.26	\$	1.11
Drainage & Levee	\$	27,928	\$	11,138	\$	3,973	\$	1,854	\$	1,858	\$	8,039	\$ 2.04	\$	5.11	\$	4.26	\$	4.26	\$	3.91
Public Facilities *																					
Neighborhood Parks	\$	7,290	\$	7,290	\$	7,290	\$	5,012	\$	5,012	\$	6,676	\$ 2.66	\$	2.66	\$	4.05	\$	1.90	\$	2.44
Community Parks	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	-
Regional Trails	\$	1,168	\$	998	\$	998	\$	569	\$	569	\$	865	\$ 1.09	\$	1.09	\$	0.96	\$	0.60	\$	0.87
Local Trails	\$	278	\$	238	\$	238	\$	136	\$	136	\$	206	\$ 0.26	\$	0.26	\$	0.23	\$	0.14	\$	0.21
Transit	\$	1,315	\$	1,124	\$	989	\$	641	\$	641	\$	964	\$ 1.71	\$	1.71	\$	1.08	\$	0.67	\$	1.21
Open Space	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	-
Fire	\$	1,647	\$	1,647	\$	1,647	\$	1,291	\$	1,291	\$	1,533	\$ 1.36	\$	1.36	\$	1.73	\$	0.93	\$	1.21
Libraries	\$	1,258	\$	1,258	\$	979	\$	816	\$	816	\$	1,095	\$ -	\$	-	\$	-	\$	-	\$	-
Schools	\$	18,304	\$	15,488	\$1	2,672	\$	7,040	\$	7,040	\$	12,636	\$ 0.78	\$	0.78	\$	0.78	\$	0.78	\$	0.78
* - Service providers include SCWA, SR	PD aı	nd EGUSD.																			

Viability Factor

The Finance Plan has been prepared to provide sufficient information to evaluate the public improvement and impact fee cost burden associated with developing the Project. Like most large developments, the advancement of critical infrastructure and facilities will be delivered with the understanding that reimbursements will be available to assist with project viability. The viability of a project is evaluated by understanding the burden of infrastructure to specific land uses. The following sections and tables summarize this information.

Total Public Improvement Costs and Fees

Total Public Improvement costs and development impact fee obligations are summarized in conjunction with an analysis of the Project's Finance Plan for each development area.

Each development area is summarized as follows:

Area A: Backbone Infrastructure - \$509.9 million
Public Facilities - \$139.7 million
Development Fees - \$782.3 million

Area B: Backbone Infrastructure - \$269.4 million
Public Facilities - \$150.9 million
Development Fees - \$477.2 million

Area C: Backbone Infrastructure - \$350.5 million
Public Facilities - \$197.2 million
Development Fees - \$873.6 million

Table 10 below summarizes the buildout and each development areas infrastructure, facility and fee totals in the aggregate and on an average per unit or per nonresidential building square foot basis. As noted above, the development areas are serviced by multiple agencies and the following tables represent a protype land use.

 $TABLE\ 10$ Total Public Improvement Costs and Fees By Plan Area

		Area	a A			Area	В		Area	C	
Category	R	esidential	N	onresidential	Re	esidential	N	onresidential	Residential	N	onresidential
Public Improvements											
Backbone Infrastructure	\$	161,347,553	\$	344,099,168	\$	210,274,116	\$	45,084,296	\$ 269,099,026	\$	81,476,642
Public Facilities	\$	69,684,638	\$	60,605,071	\$	131,915,242	\$	10,967,290	\$ 178,461,358	\$	15,594,985
Public Improvements Total	\$	231,032,191		\$ 404,704,239	\$	342,189,358		\$ 56,051,586	\$ 447,560,383		\$ 97,071,626
Fees County of Sacramento	\$	220,241,981	\$	301,580,223	\$	231,224,543	\$	39,764,958	\$ 473,898,930	\$	76,226,316
WJHMP	\$	63,167,354	\$	124,795,778	\$	94,070,536	\$	15,037,568	\$ 143,737,090	\$	29,754,468
Other Agency Fees	\$	61,833,340	\$	10,709,102	\$	95,556,477	\$	1,644,132	\$ 147,012,854	\$	3,057,394
Fee Total	\$	345,242,675	\$	437,085,103	\$	420,851,557	\$	56,446,658	\$ 764,648,874	\$	109,038,179
Total Public Improvements & Fees	\$	576,274,866	\$	841,789,342	\$	763,040,914	\$	112,498,244	\$ 1,212,209,257	\$	206,109,806

TABLE 11
Total Public Improvement Costs and Fees By Unit/SF

	Area	ıΑ			Area	B		Arc	ea C		
Category	Residential		onresidential	Resid	lential	_	Ionresidential	Residential			esidential
Public Improvements											
Backbone Infrastructure	\$ 43,289	\$	37.34	\$	41,836	\$	39.59	\$ 35,47	5 \$	5	33.21
Public Facilities	\$ 20,050	\$	7.03	\$	26,970	\$	10.11	\$ 23,97	1 \$	5	6.72
Public Improvements Total	\$ 63,340		\$ 44.37	\$	68,806		\$ 49.70	\$ 59,45	L	\$	39.93
Fees County of Sacramento	\$ 62,868		32.54	\$	43,802		32.54	\$ 62,86	3		32.54
WJHMP	\$ 18,557	\$	13.21	\$	18,557	\$	13.21	\$ 18,55	7 \$	5	13.21
Other Agency Fees	\$ 19,576	\$	1.52	\$	19,576	\$	1.52	\$ 21,26	1 \$	5	2.84
Fee Total	\$ 101,002	\$	47.27	\$	81,935	\$	47.27	\$ 102,68	5 \$	•	48.58
Total Public Improvements & Fees	\$ 164,341	\$	91.64	\$	150,741	\$	96.97	\$ 162,13	7 \$;	88.51

Net Burden Analysis

The following burden analysis, reflected in the following tables, has been computed for each development area within the Project. The analysis below in Table 12 quantifies the average cost burden per residential unit and nonresidential building square foot. The amount of costs allocated to a

residential or nonresidential land use should be equitable relative to benefit received by the respective land use. A more comprehensive cost allocation will be developed during the implementation phase of the Finance Plan. The analysis summarized in the following tables provides a summary of the average allocated burdens along with an estimation of credits and reimbursements.

TABLE 12 Net Burden Analysis (Residential)

				Are	a A			
				Resid	enti	ial		
Cost Category		LDR		HDR	М	ixed Use	P	verage
	D	etached	Α	ttached	Α	ttached		
Public Improvements								
Backbone Infrastructure	\$	57,670		•		27,061		43,289
Public Facilities	\$	25,002	\$	13,632	\$	13,632	\$	20,050
Total Public Improvements	\$	82,671	\$	39,912	\$	40,693	\$	63,340
Development Fees								
County of Sacramento	\$	73,148	\$	43,638	\$	43,639	\$	62,868
WJHMP	\$	24,076	\$	8,312	\$	8,567	\$	18,557
Other Agency	\$	23,405	\$	12,659	\$	12,659	\$	19,576
Total Fees	\$	120,629	\$	64,608	\$	64,864	\$	101,002
Total Public Improvement & Fees	\$	203,300	\$	104,520	\$	105,558	\$	164,341
Fee Credits & Reimbursement								
Transportation - Regional								
Water	\$	5,142	\$	3,856	\$	3,856	\$	4,587
Sewer	\$	1,802	\$	1,355	\$	1,802	\$	1,661
Drainage	\$	2,185	\$	365	\$	365	\$	1,341
Parks	\$	-	\$	-	\$	-	\$	-
WJHMP	\$	24,076	\$	8,312	\$	8,567	\$	18,557
Subtotal Fee Credits	\$	33,206	\$	13,888	\$	14,590	\$	26,146
Other Reimbursements								
CFD Bond Proceeds	\$	31,751	\$	13,562	\$	9,324	\$	23,820
Other Reimbursements								
Subtotal Other Reimbursements	\$	31,751	\$	13,562	\$	9,324	\$	23,820
Net Cost Burden Per Residential Unit	\$	138,343	\$	77,071	\$	81,643	\$	114,375

TABLE 13 Net Burden Analysis (Residential)

						Are	a B					
					ı	Residentia	l (pe	er unit)				
Cost Category		VLDR		LDR		MDR		HDR	М	ixed Use	-	Average
	D	etached	D	etached	D	etached	Α	ttached	A	ttached		
Public Improvements												
Backbone Infrastructure	\$	72,676	\$	49,175	\$	41,297	\$	24,518	\$	24,994	\$	41,836
Public Facilities	\$	39,787	\$	31,559	\$	26,262	\$	16,660	\$	16,659	\$	26,970
Total Public Improvements	\$	112,463	\$	80,734	\$	67,560	\$	41,179	\$	41,653	\$	68,806
Development Fees												
County of Sacramento	\$	67,852	\$	52,291	\$	44,973	\$	27,995	\$	27,996	\$	43,802
WJHMP	\$	46,036	\$	23,043	\$	13,830	\$	7,537	\$	7,792	\$	18,557
Other Agency	\$	26,221	\$	23,405	\$	19,822	\$	12,659	\$	12,659	\$	19,576
Total Fees	\$	140,109	\$	98,739	\$	78,625	\$	48,191	\$	48,447	\$	81,935
Total Public Improvement & Fees	\$	252,572	\$	179,473	\$	146,185	\$	89,370	\$	90,100	\$	150,741
Fee Credits & Reimbursement												
Transportation - Regional												
Water	\$	4,943	\$	4,943	\$	4,943	\$	3,707	\$	3,707	\$	4,518
Sewer	\$	1,337	\$	1,337	\$	1,337	\$	1,005	\$	1,337	\$	1,271
Drainage	\$	4,110	\$	1,627	\$	583	\$	272	\$	271	\$	1,205
Parks	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
WJHMP	\$	46,036	\$	23,043	\$	13,830	\$	7,537	\$	7,792	\$	18,557
Subtotal Fee Credits	\$	56,426	\$	30,950	\$	20,693	\$	12,520	\$	13,107	\$	25,551
Other Reimbursements												
CFD Bond Proceeds	\$	44,560	\$	32,176	\$	26,712	\$	13,743	\$	9,449	\$	25,121
Other Reimbursements												
Subtotal Other Reimbursements	\$	44,560	\$	32,176	\$	26,712	\$	13,743	\$	9,449	\$	25,121
Net Cost Burden Per Residential Unit	\$	151,587	\$	116,346	\$	98,781	\$	63,106	\$	67,544	\$	100,070

TABLE 14 Net Burden Analysis (Residential)

						Are	ea C					
					ı	Residentia	l (p	er unit)				
Cost Category		VLDR		LDR		MDR		HDR	М	ixed Use	A	Average
	D	etached	D	etached	D	etached	А	ttached	Α	ttached		
Public Improvements												
Backbone Infrastructure	\$	63,510	\$	42,385	\$	35,220	\$	20,541	\$	21,329	\$	35,476
Public Facilities	\$	31,260	\$	28,043	\$	24,813	\$	15,504	\$	15,504	\$	23,974
Total Public Improvements	\$	94,771	\$	70,428	\$	60,033	\$	36,045	\$	36,833	\$	59,451
Development Fees												
County of Sacramento	\$	88,709	\$	73,148	\$	65,830	\$	43,638	\$	43,639	\$	62,868
WJHMP	\$	47,069	\$	24,076	\$	14,863	\$	8,312	\$	8,567	\$	18,557
Other Agency	\$	26,221	\$	23,405	\$	19,822	\$	12,659	\$	12,659	\$	21,261
Total Fees	\$	161,999	\$	120,629	\$	100,515	\$	64,608	\$	64,864	\$	102,686
Total Public Improvement & Fees	\$	256,770	\$	191,057	\$	160,548	\$	100,653	\$	101,698	\$	162,137
Fee Credits & Reimbursement												
Transportation - Regional												
Water	\$	513	\$	513	\$	513	\$	384	\$	384	\$	477
Sewer	\$	2,138	\$	2,138	\$	2,138	\$	1,607	\$	2,138	\$	2,038
Drainage	\$	3,048	\$	1,215	\$	434	\$	202	\$	203	\$	877
Parks	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
WJHMP	\$	47,069	\$	24,076	\$	14,863	\$	8,312	\$	8,567	\$	18,557
Subtotal Fee Credits	\$	52,768	\$	27,943	\$	17,947	\$	10,506	\$	11,292	\$	21,950
Other Reimbursements												
CFD Bond Proceeds	\$	44,329	\$	31,889	\$	26,399	\$	14,288	\$	9,974	\$	26,743
Other Reimbursements												
Subtotal Other Reimbursements	\$	44,329	\$	31,889	\$	26,399	\$	14,288	\$	9,974	\$	26,743
Net Cost Burden Per Residential Unit	\$	159,673	\$	131,225	\$	116,202	\$	75,859	\$	80,431	\$	113,444

TABLE 15 Net Burden Analysis (Nonresidential)

		rea A							
No	nreside	ntial (per l	BSF)						
Cost Category	MU Co	mmercial	Cor	nmercial	Emp	oloyment	Inc	dustrial	Average
Public Improvements									
Backbone Infrastructure	\$	40.90	\$	48.08	\$	34.71	\$	25.12	\$ 37.34
Public Facilities	\$	7.12	\$	7.12	\$	7.47	\$	3.57	\$ 7.03
Total Public Improvements	\$	48.02	\$	55.20	\$	42.18	\$	28.68	\$ 44.37
Development Fees									
County of Sacramento	\$	39.64	\$	41.76	\$	30.40	\$	20.55	\$ 32.54
WJHMP	\$	11.22	\$	15.49	\$	13.30	\$	10.53	\$ 13.21
Other Agency	\$	1.39	\$	1.39	\$	1.72	\$	1.19	\$ 1.52
Total Fees	\$	52.25	\$	58.64	\$	45.42	\$	32.28	\$ 47.27
Total Public Improvement & Fees	\$	100.27	\$	113.84	\$	87.61	\$	60.96	\$ 91.64
Fee Credits & Reimbursement									
Transportation - Regional									
Water	\$	0.08	\$	0.19	\$	0.16	\$	-	\$ 0.15
Sewer	\$	0.24	\$	0.86	\$	0.72	\$	0.72	\$ 0.74
Drainage	\$	0.40	\$	1.00	\$	0.84	\$	0.84	\$ 0.86
Parks	\$	-	\$	-	\$	-	\$	-	\$ -
WJHMP	\$	11.22	\$	15.49	\$	13.30	\$	10.53	\$ 13.21
Subtotal Fee Credits	\$	11.94	\$	17.54	\$	15.01	\$	12.09	\$ 14.96
Other Reimbursements									
CFD Bond Proceeds									
Other Reimbursements									
Subtotal Other Reimbursements	\$	-	\$	-	\$	-	\$	-	\$ -
Net Cost Burden Per Non-Residential Unit/ Bldg. Sq.	\$	88.33	¢	96.30	\$	73 E0	ć	48.87	\$ 76.68

TABLE 16 Net Burden Analysis (Nonresidential)

	Δ	rea B						
Non	reside	ntial (per B	SF)					
Cost Category		Commercial		mmercial	Em	ployment	A	verage
Public Improvements								
Backbone Infrastructure	\$	43.77	\$	47.93	\$	34.81	\$	39.59
Public Facilities	\$	9.12	\$	10.00	\$	10.77	\$	10.11
Total Public Improvements	\$	52.89	\$	57.93	\$	45.58	\$	49.70
Development Fees								
County of Sacramento	\$	39.64	\$	41.76	\$	30.40	\$	32.54
WJHMP	\$	11.21	\$	15.45	\$	13.27	\$	13.21
Other Agency	\$	1.39	\$	1.39	\$	1.72	\$	1.52
Total Fees	\$	52.24	\$	58.60	\$	45.39	\$	47.27
Total Public Improvement & Fees	\$	105.13	\$	116.54	\$	90.98	\$	96.97
Fee Credits & Reimbursement								
Transportation - Regional								
Water	\$	0.07	\$	0.18	\$	0.15	\$	0.14
Sewer	\$	0.18	\$	0.64	\$	0.53	\$	0.47
Drainage	\$	0.30	\$	0.75	\$	0.62	\$	0.57
Parks	\$	-	\$	-	\$	-	\$	-
WJHMP	\$	11.21	\$	15.45	\$	13.27	\$	13.21
Subtotal Fee Credits	\$	11.76	\$	17.02	\$	14.58	\$	14.38
Other Reimbursements								
CFD Bond Proceeds								
Other Reimbursements								
Subtotal Other Reimbursements	\$	-	\$	-	\$	-	\$	-
Net Cost Burden Per Non-Residential Bldg. Sq. Ft.	\$	93.37	\$	99.52	\$	76.40	\$	82.59

TABLE 17
Net Burden Analysis
(Nonresidential)

		Area	<u>C</u>							
	Noi	nresidentia	l (pe	r BSF)						
Cost Category	MUC	ommercial	Coı	mmercial	Emp	oloyment	In	dustrial	A۱	verage
Public Improvements									١.	
Backbone Infrastructure	\$	40.92	\$	45.08	\$	32.31	•	22.27	\$	33.21
Public Facilities	\$	7.86	\$	7.86	\$	8.83	\$	5.02	\$	6.72
Total Public Improvements	\$	48.78	\$	52.94	\$	41.14	\$	27.29	\$	39.93
Development Fees										
County of Sacramento	\$	39.64	\$	41.76	\$	30.40	\$	20.55	\$	32.54
WJHMP	\$	11.22	\$	15.49	\$	13.30	\$	10.53	\$	13.21
Other Agency	\$	1.39	\$	1.39	\$	1.72	\$	1.19	\$	2.84
Total Fees	\$	52.25	\$	58.64	\$	45.42	\$	32.28	\$	48.58
Total Public Improvement & Fees	\$	101.04	\$	111.58	\$	86.56	\$	59.56	\$	88.51
Fee Credits & Reimbursement										
Transportation - Regional										
Water	\$	0.01	\$	0.02	\$	0.02	\$	0.02	\$	0.02
Sewer	\$	0.29	\$	1.02	\$	0.85	\$	0.85	\$	0.75
Drainage	\$	0.22	\$	0.56	\$	0.46	\$	0.46	\$	0.43
Parks	\$	-	\$	-	\$	-	\$	-	\$	-
WJHMP	\$	11.22	\$	15.49	\$	13.30	\$	10.53	\$	13.21
Subtotal Fee Credits	\$	11.74	\$	17.08	\$	14.63	\$	11.87	\$	14.40
Other Reimbursements										
CFD Bond Proceeds										
Other Reimbursements										
Subtotal Other Reimbursements	\$	-	\$	-	\$	-			\$	-
Net Cost Burden Per Non-Residential Bldg. Sq. Ft.	\$	89.30	Ś	94.50	Ś	71.93	Ś	47.69	Ś	74.11

Viability Conclusion

The following tables examine each development area's total one-time costs as a percentage of residential valuation. A comparison of costs to residential valuation is an accepted method of determining Project viability. This analysis takes into account all the allocated burdens along with the implementation of the financing mechanisms proposed by the Finance Plan. The costs have been allocated by using demand factors that equitably spread the burden to all land uses within each development area of the Project. **See Tables 18-23, Viability Conclusion.**

Project viability is determined based on a variety of metrics that includes the relationship between allocated cost burdens and land use pricing. Additional feasibility tests include measuring the amount of ad valorem property taxes and other special taxes/assessments against the sales price of a residential unit. The general assumption for this ratio is 2.0% of the sales price but the Sacramento region has typically been around 1.6% to 1.8%. The Project has an estimated tax rate of approximately 1.8% and is summarized in the table below. A more detailed analysis is shown in **Appendix C (CFD Analysis)**.

The Finance Plan is meant to assist the Developer and County in understanding the complex burdens associated with the Project. The information contained within the Finance Plan should be used by the Developer, County or potential merchant builders to maintain proper cost allocations and achieve Project viability.

TABLE 18 Viability Conclusion (Residential)

					Area A		
				Re	sidential		
Cost Category			LDR		HDR	Μ	ixed Use
		D	etached	Δ	ttached	Α	ttached
Units			2016		1185		558
Estimated Hom	e Size		2200		1000		1000
Estimated Sales	s Price Per Unit (2023\$)[1]	\$	655,000	\$	360,000	\$	315,000
Public Improve	ments						
	Backbone Infrastructure	\$	57,670	\$	26,280	\$	27,061
	Public Facilities	\$	25,002	\$	13,632	\$	13,632
Total Public II	mprovements	\$	82,671	\$	39,912	\$	40,693
Building Permit	t & Impact Fees						
Permit Fees		\$	5,455	\$	3,353	\$	3,353
Impact Fees	County	\$	67,693	\$	40,285	\$	40,286
	WJHMP	\$	24,076	\$	8,312	\$	8,567
	Other Agency	\$	23,405	\$	12,659	\$	12,659
Total Fees		\$	120,629	\$	64,608	\$	64,864
Total Pub	lic Improvements & Fees	\$	203,300	\$	104,520	\$	105,558
Credits & Reim	bursement						
	Fee Credits	\$	33,206	\$	13,888	\$	14,590
	CFD Reimbursements	\$	31,751	\$	13,562	\$	9,324
	Other Reimbursements	\$	-	\$	-	\$	-
Total Cred	dits & reimbursements	\$	64,957	\$	27,449	\$	23,914
Not Cost Builds	n Day Pasidontial Unit	Ś	120 242	ķ	77 074	ķ	01 642
	n Per Residential Unit nated Sales Price	>	138,343 21%	\$	77,071 21%	-	81,643
rercent of Estir	nated Sales Price		21%		21%		26%

TABLE 19 Viability Conclusion (Residential)

							Area B				
					Res	ideı	ntial (per ເ	ınit)			
Cost Category			VLDR		LDR		MDR		HDR	M	lixed Use
		D	etached	D	etached	D	etached	Д	ttached	Δ	ttached
Units			40		3365		246		1023		459
Estimated Home	e Size		2600		2200		1800		1000		1000
Estimated Sales	Price Per Unit (2023\$)[1]	\$	850,000	\$	655,000	\$	575,000	\$	360,000	\$	315,000
Public Improver	nents										
	Backbone Infrastructure	\$	72,676	\$	49,175	\$	41,297	\$	24,518	\$	24,994
	Public Facilities	\$	39,787	\$	31,559	\$	26,262	\$	16,660	\$	16,659
Total Public In	nprovements	\$	112,463	\$	80,734	\$	67,560	\$	41,179	\$	41,653
Building Permit	& Impact Fees										
Permit Fees		\$	6,130	\$	5,455	\$	4,779	\$	3,353	\$	3,353
Impact Fees	County	\$	61,722	\$	46,836	\$	40,194	\$	24,643	\$	24,644
	WJHMP	\$	46,036	\$	23,043	\$	13,830	\$	7,537	\$	7,792
	Other Agency	\$	26,221	\$	23,405	\$	19,822	\$	12,659	\$	12,659
Total Fees		\$	140,109	\$	98,739	\$	78,625	\$	48,191	\$	48,447
Total Publ	lic Improvements & Fees	\$	252,572	\$	179,473	\$	146,185	\$	89,370	\$	90,100
Credits & Reimb	oursement										
	Fee Credits	\$	56,426	\$	30,950	\$	20,693	\$	12,520	\$	13,107
	CFD Reimbursements	\$	44,560	\$	32,176	\$	26,712	\$	13,743	\$	9,449
	Other Reimbursements	\$	-	\$	-	\$	-	\$	-	\$	-
Total Cred	lits & reimbursements	\$	100,986	\$	63,126	\$	47,404	\$	26,264	\$	22,556
Not Cost Burden	n Per Residential Unit	Ś	151.587	Ś	116.346	Ś	98.781	¢	63.106	¢	67.544
	nated Sales Price	7	151,587	Þ	116,346	Þ	, -	\$	18%	\$	- ,-
rercent of Estin	iated Sales Price		18%		18%		17 %		18%		21%

TABLE 20 Viability Conclusion (Residential)

							Area C					
					Res	ideı	າtial (per ເ	ınit)				
Cost Category			VLDR	LDR			MDR		HDR	DR Mixed		
		D	etached	C	Detached Deta		etached	Attached		Δ	ttached	
Units			190		4393		574		1428		1007	
Estimated Home	e Size		2600		2200		1800		1000		1000	
Estimated Sales	Price Per Unit (2023\$)[1]	\$	850,000	\$	655,000	\$	575,000	\$	360,000	\$	315,000	
Public Improven	nents											
	Backbone Infrastructure	\$	63,510	\$	42,385	\$	35,220	\$	20,541	\$	21,329	
	Public Facilities	\$	31,260	\$	28,043	\$	24,813	\$	15,504	\$	15,504	
Total Public In	nprovements	\$	94,771	\$	70,428	\$	60,033	\$	36,045	\$	36,833	
Building Permit	& Impact Fees											
Permit Fees		\$	6,130	\$	5,455	\$	4,779	\$	3,353	\$	3,353	
Impact Fees	County	\$	82,579	\$	67,693	\$	61,051	\$	40,285	\$	40,286	
	WJHMP	\$	47,069	\$	24,076	\$	14,863	\$	8,312	\$	8,567	
	Other Agency	\$	26,221	\$	23,405	\$	19,822	\$	12,659	\$	12,659	
Total Fees		\$	161,999	\$	120,629	\$	100,515	\$	64,608	\$	64,864	
Total Publ	ic Improvements & Fees	\$	256,770	\$	191,057	\$	160,548	\$	100,653	\$	101,698	
Credits & Reimb	oursement											
	Fee Credits	\$	52,768	\$	27,943	\$	17,947	\$	10,506	\$	11,292	
	CFD Reimbursements	\$	44,329	\$	31,889	\$	26,399	\$	14,288	\$	9,974	
	Other Reimbursements											
Total Cred	its & reimbursements	\$	97,097	\$	59,832	\$	44,347	\$	24,794	\$	21,266	
Not Cost Burdon	n Per Residential Unit	Ś	159,673	Ś	131,225	Ś	116,202	ć	75,859	ć	Q0 //21	
Percent of Estim		۶	159,673	Ą	20%	Ą	20%				. ,	
reiteiit OI ES(IM	ialeu Jaies Fiile		19%		20%		20%		21%	26%		

TABLE 21 Viability Conclusion (Nonresidential)

					Are	a A			
					Nonresident	tial	(per BSF)		
Cost Category		MU	Commercial	(Commercial	E	mployment	- II	ndustrial
Building SF (BSF)			337,897		2,364,722		5,567,482		980,781
		\$	400.00	۲	400.00	\$	350.00	۲	110.00
Price / BSF Estimated Sales Price Per E	RSE (2022\$\[1]		135,158,800	-	945,888,800	•	1,948,618,700	•	07,885,910
Louinateu Jaies Filce Fei L	331 (20233)[1]	٠	133,136,600	ڔ	343,888,800	۔ ر	1,340,010,700	ŢΙ	07,883,910
Public Improvements									
	Backbone Infrastructure	\$	40.90	\$	48.08	\$	34.71	\$	25.12
	Public Facilities	\$	7.12	\$	7.12	\$	7.47	\$	3.57
Total Public Improvemer	nts	\$	48.02	\$	55.20	\$	42.18	\$	28.68
Building Permit & Impact F	ees								
Permit Fees		\$	1.10	\$	0.79	\$	0.68	\$	0.90
Impact Fees	County	\$	38.54	\$	40.98	\$	29.72	\$	19.65
	WJHMP	\$	11.22	\$	15.49	\$	13.30	\$	10.53
	Other Agency	\$	1.39	\$	1.39	\$	1.72	\$	1.19
Total Fees		\$	52.25	\$	58.64	\$	45.42	\$	32.28
Total Public Improve	ments & Fees	\$	100.27	\$	113.84	\$	87.61	\$	60.96
Credits & Reimbursement									
	Fee Credits	\$	11.94	\$	17.54	\$	15.01	\$	12.09
	CFD Reimbursements	\$	-	\$	-	\$	-	\$	-
	Other Reimbursements	\$		\$		\$	_	\$	<u> </u>
Total Credits & reiml	oursements	\$	11.94	\$	17.54	\$	15.01	\$	12.09
Net Cost Burden Per Non-F	Residential Bldg. Sq. Ft.	Ś	88.33	Ś	96.30	Ś	72.59	Ś	48.87
Percent of Estimated Sales	- ·	*	22%	7	24%	7	21%	7	44%

TABLE 22 Viability Conclusion (Nonresidential)

				1	Area B						
		Nonresidential (per BSF)									
Cost Category		M	J Commercial	Сс	mmercial	Em	ployment				
Building SF (BSF)			277,241		225,680		636,412				
Price / BSF		\$	400.00	\$	400.00	\$	350.00				
Estimated Sales Price Per BSI	(2023\$)[1]	\$	110,896,400	'	90,272,000	•	22,744,200				
Public Improvements											
	Backbone Infrastructure	\$	43.77	\$	47.93	\$	34.81				
	Public Facilities	\$	9.12	\$	10.00	-	10.77				
Total Public Improvements	;	\$	52.89	\$	57.93	\$	45.58				
Building Permit & Impact Fed	es										
Permit Fees		\$	1.10	\$	0.79	\$	0.68				
Impact Fees	County	\$	38.54	\$	40.98	\$	29.72				
	WJHMP	\$	11.21	\$	15.45	\$	13.27				
	Other Agency	\$	1.39	\$	1.39	\$	1.72				
Total Fees		\$	52.24	\$	58.60	\$	45.39				
Total Public Improvem	ents & Fees	\$	105.13	\$	116.54	\$	90.98				
Credits & Reimbursement											
	Fee Credits	\$	11.21	\$	15.45	\$	13.27				
	CFD Reimbursements	\$	-	\$	-	\$	-				
	Other Reimbursements	\$	-	\$	-	\$	-				
Total Credits & reimbu	rsements	\$	11.21	\$	15.45	\$	13.27				
Not Cost Builden Bontley De	side untial Dida. Co. Et	,	02.02	¢	101.00	<u>,</u>	77 74				
Net Cost Burden Per Non-Re		\$	93.92	\$	101.09	\$	77.71				
Percent of Estimated Sales P	rice		23%		25%		22%				

TABLE 23 Viability Conclusion (Nonresidential)

					Area	C			
				No	onresidenti	al (p	er BSF)		
Cost Category		ML	J Commercial	Co	mmercial	Em	ployment	ا	ndustrial
Building SF (BSF)			610,565		575,665		231,010		1,036,292
Price / BSF		\$	400.00	\$	400.00	\$	350.00	\$	110.00
Estimated Sales Price Per BSF	(2023\$)[1]	\$	244,226,000	\$2	30,266,000	\$8	0,853,500	\$1	13,992,120
Public Improvements									
·	Backbone Infrastructure	\$	40.92	\$	45.08	\$	32.31	\$	22.27
	Public Facilities	\$	7.86	\$	7.86	\$	8.83	\$	5.02
Total Public Improvements		\$	48.78	\$	52.94	\$	41.14	\$	27.29
Building Permit & Impact Fee	25								
Permit Fees		\$	1.10	\$	0.79	\$	0.68	\$	0.90
Impact Fees	County	\$	38.54	\$	40.98	\$	29.72	\$	19.65
	WJHMP	\$	11.22	\$	15.49	\$	13.30	\$	10.53
	Other Agency	\$	1.39	\$	1.39	\$	1.72	\$	1.19
Total Fees		\$	52.25	\$	58.64	\$	45.42	\$	32.28
Total Public Improvem	ents & Fees	\$	101.04	\$	111.58	\$	86.56	\$	59.56
Credits & Reimbursement									
	Fee Credits	\$	11.74	\$	17.08	\$	14.63	\$	11.87
	CFD Reimbursements	\$	-	\$	-	\$	-	\$	-
	Other Reimbursements	\$	-	\$	-	\$	-	\$	-
Total Credits & reimbu	rsements	\$	11.74	\$	17.08	\$	14.63	\$	11.87
Net Cost Burden Per Non-Re	sidential Bldg. Sq. Ft.	\$	89.30	\$	94.50	\$	71.93	\$	47.69
Percent of Estimated Sales P	rice		22%		24%		21%		43%

^[1] Residential pricing per The Gregory Group and non-residential pricing per FIA.

V. ESSENTIAL UPFRONT INFRASTRUCTURE

Buildout of the Project and each finance plan area will require the delivery of critical public improvements and facilities which are essential to mitigating impacts created by the proposed land uses within the Master Plan. This set of essential upfront infrastructure includes transportation, water, sewer, drainage and levee/flood control improvements either needed in advance of onsite development activities or to provide service for multiple finance plane areas within the Project. In some cases, this set of essential upfront infrastructure provides capacity or benefit to neighboring master plan and specific plan projects. The PFFP has identified the following public improvements and facilities for each finance area. As development occurs within the Project and market demand creates the need for public improvements and facilities, updates to the list of essential upfront infrastructure may change. Not all development areas will require the same level of upfront infrastructure improvements (such as flood control).

Finance Area A

- 1. Transportation:
 - a. Excelsior Road
 - b. Jackson Highway
 - c. Rock Creek Parkway East
- 2. Water:
 - a. 24" Excelsior Road Transmission Main
 - b. 24" Bradshaw Road Transmission Main
- 3. Sewer:
 - a. 27" 30" Jackson Highway Trunk Sewer
 - b. Aspen VI Basin
 - i. 15" Trunk Sewer
 - ii. 1.91 MGD Lift Station
 - iii. 10" Force Main
- 4. Drainage:
 - a. 195 CFS Detention Basin (WJP1 Basin) plus associated pipes and appurtenant facilities
- Levee/Flood Control(i)
 - a. Morrison Creek South 1 Levee (Segment 4)
 - b. Granite I Weir
 - c. Morrison Creek South 2 Levee (Segment 1)
 - d. Morrison Creek South 2 Levee (Segment 2)
 - e. Aspen VI Setback Levee

Finance Area B

- 1. Transportation:
 - a. Hedge Avenue
 - b. Jackson Highway

- c. Rock Creek Parkway
- 2. Water:
 - a. 30" 42" Elder Creek Road Transmission Main (Offsite)
 - b. 24" Jackson Highway Transmission Main
 - i. Water Tank and Booster Pump
 - c. 24" S. Watt Transmission Main
- 3. Sewer:
 - a. Aspen 2 Basin
 - i. 12" 15" Trunk Sewer
 - ii. 1.06 MGD Lift Station
 - iii. 10" Force Main
- 4. Drainage:
 - a. 45 CFS Detention Basin (WJP3 Basin) plus associated pipes and appurtenant facilities
 - b. 14 CFS Detention Basin (WJP4 Basin) plus associated pipes and appurtenant facilities
- Levee/Flood Control(i)
 - a. Morrison Creek North 1 Levee (Segment 1-2)

Finance Area C

- 1. Transportation:
 - a. Elder Creek Road
 - b. Vineyard Road
- 2. Sewer:
 - a. Elder Creek Road
 - i. 12" 24" Trunk Sewer
 - ii. 1.35 MGD Lift Station
- 3. Drainage:
 - a. 45 CFS Detention Basin (WJP3 Basin) plus associated pipes and appurtenant facilities
 - b. 14 CFS Detention Basin (WJP4 Basin) plus associated pipes and appurtenant facilities
- 4. Levee/Flood Control (i)
 - a. Morrison Creek South 1 Levee (Segment 1-3)
- (i) As an alternative, a graded and elevated embankment providing higher ground may be constructed.

The list of essential upfront infrastructure required for Project development has a significant impact on feasibility of the Master Plan. The cost of the essential upfront infrastructure is estimated at \$333.0 million. The considerable level of infrastructure investment required during early phases of development has negative impacts on Project cash flows and requires the development of a plan of action that will need to be implemented between the Applicants and County. This plan of action is described in greater detail in Section VIII of the Finance Plan.

VI. PHASING

A. Cash Flow Constraints

The development of the Project requires essential upfront infrastructure to be constructed prior to or during the initial phases. The cost associated with the essential upfront infrastructure exceeds the fair share funding obligation and financial resources of the respective phases of development. This level of infrastructure investment creates a cash flow constraint for these initial development phases and severely impacts feasibility. To mitigate the cash flow constraints the Applicant has identified several funding mechanisms which need to be implemented for the initial phases of the Project to achieve feasibility. These funding mechanisms are described in Section VIII and further detailed in Section VIII below.

B. Cash Flow Methodology

In order to analyze the feasibility of delivering the initial phases of the Project, the Applicant prepared a cash flow model. Cash flow modeling is a critical tool used by the Applicant to make educated financial decisions about the level of infrastructure investment associated with any phase of development within the Project. This is especially true for the initial phases of development in which the essential upfront infrastructure is anticipated to be constructed. The cash flow model forecasted revenue outflows and inflows for these early phases of the Project and specifically analyzed the following:

- Flood control infrastructure necessary for residential structures to be built
- Extension of off-site water and sewer facilities to serve the project
- On-site grading and infrastructure necessary for residential structures to be built
- Impact fees owed and fee credits for infrastructure built
- Lot values after construction of the above-referenced infrastructure

The results of the modeling indicate cash flow constraints for the Applicant associated with delivering the initial phases of the Project because the initial infrastructure costs, which are more expensive largely because of flood control infrastructure, are high relative to the values of the lots that are created. As a result, it is anticipated that there will be a significant financing barrier to initiating the Project without using critical funding mechanisms identified by the Applicant. Those funding mechanisms would assist with capital injection early in the Project's development and help solve the anticipated cash flow constraints associated with delivering the essential upfront infrastructure. These funding mechanisms are described in Section VII and further detailed in Section VIII below.

C. Phase Description

A master developer typically assumes responsibility for planning land uses and improvements then makes development sites available to other builders for the actual construction of homes in accordance with the master plan's specifications. As a result of the variety of anticipated builders, the long term build out of a master plan community, and continually changing conditions in the residential and non-residential market, flexibility must be designed into a master planned community while still guaranteeing quality development.

The Project is anticipated to be implemented in three distinct finance plan areas which will contain several phases of development. Project development is anticipated to occur over multiple years, depending on market conditions. During this period, the Master Plan will be developed in logical increments in a manner consistent with efficient engineering requirements, market conditions and prudent financial and cash flow management. The Finance Plan identifies the estimated costs and financing mechanisms required to ensure the Public Improvements and more importantly the essential upfront infrastructure is provided as needed. The Applicants have identified three specific finance plan areas with the Master Plan. Each finance area will be developed in logical phases based on market demands and in consideration of cash flow constraints. Those three finance areas are illustrated in the diagrams below.

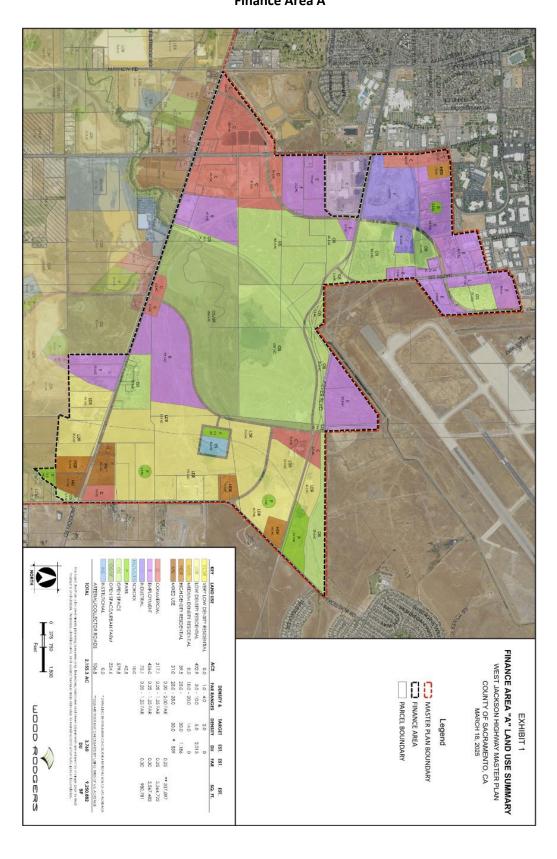


Figure 2 Finance Area A

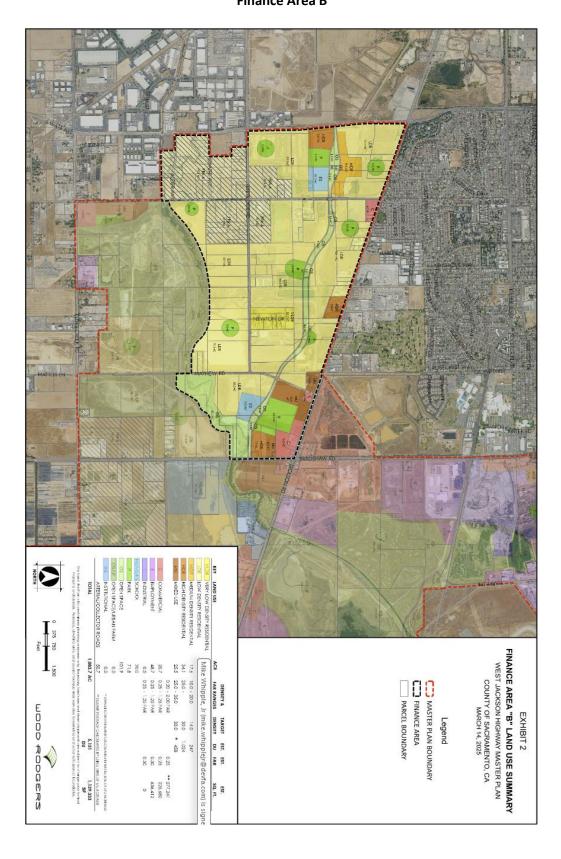


Figure 3
Finance Area B

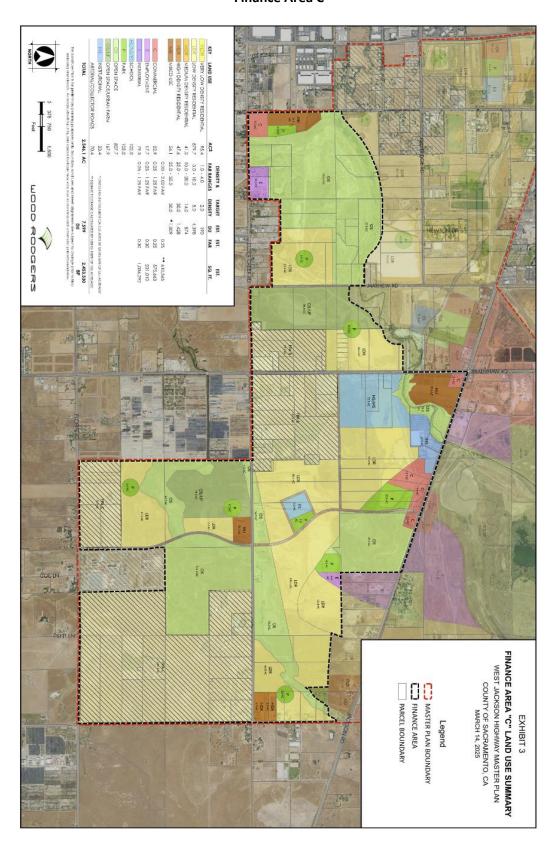


Figure 4
Finance Area C

As development occurs within the Project and market demand creates the need for future phases, implementation level Finance Plan updates will be prepared. Any update to the Finance Plan will identify the required set of Public Improvements including any essential upfront infrastructure and anticipated finance mechanisms for the future phase.

D. Cost Balancing

As displayed in Section IV, Public Improvement costs are allocated among the Project's finance areas. The allocation of Public Improvements is based on engineering standards as determined by the County, Applicants, service providers and by the Project's engineers, Wood Rodgers. Engineering source documentation is provided in the attached **Appendix A**.

Additionally, for purposes of this planning level PFFP, the Public Improvements have been allocated among the residential and non-residential land uses based on specific equivalent dwelling unit ("EDU") factors. These EDU based allocations are the preliminary method for determining an equitable share of Public Improvements within the Project. This process of cost balancing amongst benefitting land uses is a key factor in mitigating cash flow constrains incurred by delivering the essential upfront infrastructure. Implementation of an equitable cost balancing approach to development of the Project establishes a process to minimize cash flow constraints to manageable levels. Additional details related to cost balancing are described in Section VII and further detailed in Section VIII below.

VII. AVAILABLE POTENTIAL FUNDING MECHANISMS

A number of strategic and creative mechanisms may be used to fund Public Improvements required for development of the Project. The ultimate type of financing mechanisms will be determined by the Applicants or master developer based on the technical analysis of costs, financing requirements, duration of funding, reimbursement requirements, absorption rates and market strategies and the Development Agreements. An efficient use of various funding sources will assist in alleviating the impacts of significant upfront infrastructure burdens (e.g. reimbursements or fee credits).

This section describes the key features of the funding mechanisms available to the Project for financing the Public Improvements. The mechanisms discussed in this section fall into eight distinct categories. The other category is included to define alternative funding mechanisms being evaluated by the Applicants for the Project.

- Formation of land secured financing districts,
- Federal, State, County or local funding
- Development impact fees,
 - Creation of a West Jackson Highway Master Plan fee program,
- Developer equity, conventional financing and other forms of private financing,
- Private cost sharing/Reimbursement agreement,
- Quimby Act and Parks reimbursement,
- School facility financing,
- Area of Benefit/Zone of Benefit
- Other

The following describes the eight types of funding sources. Table 30, which appears later in this section, identifies which types of funding sources are available and/or proposed for the various types of Public Improvements required for the Project.

1. Land Secured Financing

Land secured financing for public facilities generally involve either Assessment Districts ("AD") or Community Facility Districts ("CFD"). Given the flexibility that would be required to meet the unique needs within the Project, a CFD would likely be the selected form of land secured financing, although AD's remain an alternative mechanism.

The Mello Roos Community Facilities District Act of 1982 ("Act") established a means to finance certain public facilities through the sale of CFD bonds. A Mello Roos tax can be used to finance the purchase, construction, expansion, improvement or rehabilitation of real property with a useful life of five years or more, consistent with County financing policies.

A preliminary CFD bond capacity analysis for each development area has been prepared for the Project and is attached as **Appendix C (CFD Analysis)**. The CFD analysis is based on the anticipated Project product type, including unit count, unit price and home size and includes existing and anticipated taxes and assessments. Nonresidential land uses are also included in the CFD analysis. The CFD analysis is consistent with the requirements identified in the Act and County policies.

The Act and County policies have determined a maximum burden guideline of 2.0% of the estimated assessed value of the home. Typically, a residential unit with an overall tax rate of less than 2.0% is considered feasible. Assuming existing market conditions, current ad valorem taxes along with future ad valorem and special taxes the CFD analysis targets a 1.80% tax burden and estimates the following for CFD amounts for each development area:

Area A – A par amount of \$84.3 million (CRPD) and & \$21.3 million (SRPD) in bonds and an improvement fund amount of \$67.6 million (CRPD) and \$17.1 (SRPD) after accounting for bond issuance costs

Area B – A par amount \$129.0 million (CRPD) and \$36.4 million (SRPD) in bonds and an improvement fund amount of \$103.4 million (CRPD) \$29.2 million (SRPD) after accounting for bond issuance costs

Area C – A par amount of \$5.5 million (CRPD) and \$235.4 million (SRPD) in bonds and an improvement fund amount of \$4.4 million (CRPD) and \$188.8 million (SRPD) after accounting for bond issuance costs

See Appendix C (CFD Analysis) for additional details. The CFD will be structured to allow special tax revenue to finance Public Improvements on a pay-as-you-go basis. The funding of Public Improvements with CFD special taxes would be in addition to any bond proceeds. The above referenced proceeds are estimates and the actual amount of the CFD bond financing for the Project and each development area will be determined at a later date consistent with County financing policy guidelines, Development Agreement, market constraint and the Project's business plan. Additionally, the Applicants are evaluating the possibility of extending the term of the CFD special tax. Extending the term of the CFD by an additional twenty five (25) to thirty (30) years or longer would allow the County and Project to identify a secure source of funding for long term capital improvements. As the Project may be required to contribute funding for capital improvement projects required near the termination of a typical CFD, it is prudent for the Applicants and County to address these funding needs.

The Applicants are contemplating the creation of improvement areas with the CFD. These improvements areas would be tied to specific phases of Project development. An improvement area structure provides flexibility for future development areas to adjust with changing market conditions as well as minimize cross collateralization among owners.

2. Federal, State, County or local funding

Federal, state, county or local funding may be utilized to fund capital facilities through various funding sources such as voter approved measures (i.e. parcel or sales tax) or regional fee programs. Additionally, the Project anticipates targeting Federal and State grant programs for regional facilities. Some regional fee programs include the following:

Measure A (Sacramento Countywide Traffic Mitigation Fee Program)

SCTMFP is intended to comply with Section 66000 et. seq. of the Government Code, which was enacted by the State of California in 1987, by identifying additional public facilities required by new development and determining the level of County-wide development impact fees that may be imposed to pay the costs of the future facilities. Fee amounts have been determined that will partially satisfy the financing of transportation infrastructure at levels identified by the various local agencies within the County as being necessary to meet the needs of new development through the year 2039. For additional details on the SCTMFP and other agency impact fees please refer to Section III of the Finance Plan.

3. Development Impact Fees

Development impact fees may be used to finance regional or countywide facilities. These fees are used to pay for the allocable costs of public facilities associated with new development. Fees are typically

paid when building permits are issued. Fees are charged to fund traffic mitigation measures (i.e. streets, traffic signals, bridges, bike lanes and sidewalks), storm drainage and flood control facilities, water and sewer facilities, and public buildings including fire, police, corporation yard and administrative facilities. If public facilities fall within an agency's development impact fee program, the developer will be eligible for credit or reimbursement against such fee obligation.

County of Sacramento Impact Fee Program

New backbone infrastructure and capital facilities will be required to mitigate the impacts of new development. The impact fee program will collect funding for various infrastructure and capital facilities components. A detailed list of County fee programs is provided above in Section III. Generally speaking, the following County fee programs are available to fund:

- Transportation
- Fire
- Library

Other development impact fees which are not charged by the County will also be required for payment; these include, but are not limited to, sewer fees, water fees, park fees and school fees. For additional details on County and other agency impact fees please refer to Section III of the Finance Plan.

West Jackson High Master Plan Area Fee

The Applicants may request a fee be established to contribute to the cost of selected Public Improvements ("Plan Area Fee") required to buildout the Project and each development area. Upon approval of such a fee, the County agrees to implement and administer such Plan Area Fee for such items as the Applicants may request, including, by way of illustration and not limitation, transportation, water, sewer and drainage facilities. The Applicants may elect to implement a Plan Area Fee for all or any portion(s) of the Project, or for specific development types or specific development phases. The anticipated costs associated with implementing and administering the collection and distribution of such a Plan Area Fee shall be incorporated into the calculation of the fee. The Development Agreements provide additional details on the specific components of the Plan Area Fee. A preliminary Plan Area Fee analysis is attached as **Appendix D**. The Plan Area Fee analysis allocates costs of transportation, water, sewer and drainage on a specific EDU methodology. The average Plan Area Fees are summarized below in Table 24-29.

Table 24-29 outlines the estimated development impact fee obligation for the Project. The development impact fees listed in Table 24-29 represent the average development impact fees for the respective land use categories. The Project will be required to participate in future development impact fee programs adopted by the County. Examples of any future development impact fees are listed in the Development Agreement.

To the extent Applicants pay or contribute more than is required to serve the Project or mitigate actual impacts from the Project, Applicants are required to advance the funding for or otherwise construct Public Improvements earlier than is required to serve the Project or to mitigate actual impacts from the Project, Applicants shall be entitled to either reimbursement or fee credit, subject to the credit/reimbursement provisions within the applicable fee program, for those costs in excess of the Applicants' obligation consistent with the provisions of the respective fee program. The Developer anticipates entering into a credit and reimbursement agreement with the County and other public

agencies. Specific terms of credit and reimbursement agreements will be subject to future negotiations between the Applicants, County and other applicable agencies. Please refer to the Development Agreement for additional information regarding credits or reimbursements.

Other agency fee obligations of the Project include water, sewer, parks and school districts. As noted above, the development areas are serviced by multiple agencies and the following tables represent a protype land use. Additional information of school facility financing is described below.

TABLE 24
Development Impact Fees

	Area A - Residential											
and Use / Product Information		LDR		HDR	IV	lixed Use						
Development Fee Calculations		Area A	- Re	sidential <i>Per</i>	Unit							
County Building Fees [1]												
Building Permit	\$	3,446	\$	2,114	\$	2,114						
Plan Check Review	\$	1,149	\$	705	\$	70!						
Long Range Planning Fee	\$	322	\$	197	\$	19						
Zone Check Fee	\$	149	\$	92	\$	9:						
Building Standards (1473)	\$	18	\$	8	\$							
Strong Motion Fee	\$	44	\$	21	\$	2						
Energy Plan Review Fee	\$	57	\$	35	\$	3.						
Enviro Compliance Fee	\$	40	\$	40	\$	4						
IT Recovery	\$	230	\$	141	\$	14:						
Sub-Total - Building fees		5,455		3,353		3,35						
County Impact Fees [1]												
SCTDF - Transportation District 4	\$	18,211	\$	10,380	\$	10,38						
SCTDF - Transit District 4	\$	1,124	\$	641	\$	64						
SCTDF - Admin District 4	\$	447	\$	255	\$	25						
Cross Jurisdictional	\$	476	\$	271	\$	27						
Sac Metro Fire	\$	1,647	\$	1,291	\$	1,29						
Measure A Fee	\$	1,532	\$	1,072	\$	1,07						
SRCSD - Expansion	\$	6,479	\$	4,859	\$	4,85						
SASD User Sewer Impact - Expansion	\$	3,802	\$	634	\$	63						
SASD Technology	\$	114	\$	19	\$	1						
Water - SCWA	\$	20,857	\$	15,643	\$	15,64						
Drainage Fees Zone 11-A	\$	3,694	\$	745	\$	74						
County Library Fee	\$	1,258	\$	816	\$	81						
SSHCP		TBD		TBD		TBD						
Affordable Housing	\$	8,052	\$	3,660	\$	3,66						
Sub-Total - Impact Fees		67,693		40,285		40,28						
Plan Area Fee Program [2]												
Transportation - Local		6,985		3,982		3,98						
Water		1,033		775		77.						
Sewer		1,020		766		1,02						
Drainage		13,518		2,253		2,25						
Trails Open Space		700 820		399 137		39 13						
Open Space		620		157		15						
Subtotal Plan Area Fees		24,076		8,312		8,56						
Other Jurisdiction Fees: [1]												
School District - EGUSD	\$	15,488	\$	7,040	\$	7,04						
Park - CRPD		7,917		5,619		5,61						
Subtotal Other Fees		23,405		12,659		12,65						
Fotal West Jackson Fees	\$	120,629	\$	64,608	\$	64,86						

^[1] Based on agency fee schedules.

^[2] Based on Plan Area Fee Analysis. See Appendix D for details.

TABLE 25
Development Impact Fees

	Area B - Residential												
Land Use / Product Information		VLDR		LDR		MDR		HDR	Mi	xed Use			
Development Fee Calculations	Area B - Residential <i>Per Unit</i>												
County Building Fees [1]													
Building Permit	\$	3,874	\$	3,446	\$	3,018	\$	2,114	\$	2,114			
Plan Check Review	\$	1,291	\$	1,149	\$	1,006	\$	705	\$	70:			
Long Range Planning Fee	\$	362	\$	322	\$	282	\$	197	\$	19			
Zone Check Fee	\$	168	\$	149	\$	131	\$	92	\$	9			
Building Standards (1473)	\$	21	\$	18	\$	15	\$	8	\$				
Strong Motion Fee	, \$	51	\$	44	\$	37	\$	21	\$	2			
Energy Plan Review Fee	, \$	65	\$	57	\$	50	\$	35	\$	3			
Enviro Compliance Fee	, \$	40	\$	40	\$	40	\$	40	\$	4			
IT Recovery	\$	259	\$	230	\$	201	\$	141	\$	14			
Sub-Total - Building fees		6,130		5,455		4,779	т	3,353		3,35			
County Impact Fees [1]													
SCTDF - Transportation District 4	\$	21,307	\$	18,211	\$	18,211	\$	10,380	\$	10,38			
SCTDF - Transit District 4	\$	1,315	\$	1,124	\$	989	\$	641	\$	64			
SCTDF - Admin District 4	\$	523	\$	447	\$	393	\$	255	\$	25			
Cross Jurisdictional	\$	476	\$	476	\$	476	\$	271	\$	27			
Sac Metro Fire	\$	1,647	\$	1,647	\$	1,647	\$	1,291	\$	1,29			
Measure A Fee	\$	1,532	\$	1,532	\$	1,532	\$	1,072	\$	1,07			
SRCSD - Expansion	\$	6,479	\$	6,479	\$	6,479	\$	4,859	\$	4,85			
SASD User Sewer Impact - Expansion	\$	9,552	\$	3,802	\$	1,359	\$	634	\$	63			
SASD Technology	\$	287	\$	114	\$	41	\$	19	\$	1			
Water - Cal Am													
Drainage Fees Zone 11-A	\$	7,830	\$	3,694	\$	1,500	\$	745	\$	74			
County Library Fee	\$	1,258	\$	1,258	\$	979	\$	816	\$	81			
SSHCP		TBD		TBD		TBD		TBD		TBI			
Affordable Housing	\$	9,516	\$	8,052	\$	6,588	\$	3,660	\$	3,66			
Sub-Total - Impact Fees		61,722		46,836		40,194		24,643		24,64			
Plan Area Fee Program [2]													
Transportation - Local	\$	8,173	\$	6,985	\$	6,985	\$	3,982	\$	3,98			
Water													
Sewer	\$	1,020	\$	1,020	\$	1,020	\$	766	\$	1,02			
Drainage	\$	33,964	\$	13,518	\$	4,832	\$	2,253	\$	2,25			
Trails	\$	819	\$	700	\$	700	\$	399	\$	39			
Open Space	\$	2,060	\$	820	\$	293	\$	137	\$	13			
Subtotal Plan Area Fees	\$	46,036	\$	23,043	\$	13,830	\$	7,537	\$	7,79			
Other Jurisdiction Fees: [1]													
School District - EGUSD	\$	18,304	\$	15,488	\$	12,672	\$	7,040	\$	7,04			
Park - CRPD	\$	7,917	\$	7,917	\$	7,150		5,619		5,61			
Subtotal Other Fees	\$	26,221	\$	23,405	\$	19,822	\$	12,659	\$	12,65			
Total West Jackson Fees	\$	140,109	\$	98,739	\$	78,625	\$	48,191	\$	48,44			

^[1] Based on agency fee schedules.

^[2] Based on Plan Area Fee Analysis. See Appendix D for details.

TABLE 26
Development Impact Fees

				Are	ea C	- Residentia	al						
and Use / Product Information		VLDR		LDR		MDR		HDR	М	ixed Use			
Development Fee Calculations	Area C- Residential Per Unit												
County Building Fees [1]													
Building Permit	\$	3,874	\$	3,446	\$	3,018	\$	2,114	\$	2,11			
Plan Check Review	\$	1,291	\$	1,149	\$	1,006	\$	705	\$	70			
Long Range Planning Fee	\$	362	\$	322	\$	282	\$	197	\$	19			
Zone Check Fee	\$	168	\$	149	\$	131	\$	92	\$	9			
Building Standards (1473)	\$	21	\$	18	\$	15	\$	8	\$				
Strong Motion Fee	\$	51	\$	44	\$	37	\$	21	\$	2			
Energy Plan Review Fee	\$	65	\$	57	\$	50	\$	35	\$	3			
Enviro Compliance Fee	\$	40	\$	40	\$	40	\$	40	\$	4			
IT Recovery	\$	259	Ś	230	Ś	201	Ś	141	Ś	14			
sub-Total - Building fees		6,130		5,455		4,779		3,353		3,3			
County Impact Fees [1]													
SCTDF - Transportation District 4	\$	21,307	\$	18,211	\$	18,211	\$	10,380	\$	10,38			
SCTDF - Transit District 4	\$	1,315	\$	1,124	\$	989	\$	641	\$	64			
SCTDF - Admin District 4	\$	523	\$	447	\$	393	\$	255	\$	2			
Cross Jurisdictional	\$	476	\$	476	\$	476	\$	271	\$	2			
Sac Metro Fire	\$	1,647	\$	1,647	\$	1,647	\$	1,291	\$	1,2			
Measure A Fee	\$	1,532	\$	1,532	\$	1,532	\$	1,072	\$	1,0			
SRCSD - Expansion	\$	6,479	\$	6,479	\$	6,479	\$	4,859	\$	4,8			
SASD User Sewer Impact - Expansion	\$	9,552	\$	3,802	\$	1,359	\$	634	\$	63			
SASD Technology	\$	287	\$	114	\$	41	\$	19	\$:			
Water - SCWA	\$	20,857	\$	20,857	\$	20,857	\$	15,643	\$	15,6			
Drainage Fees Zone 11-A	\$	7,830	\$	3,694	\$	1,500	\$	745	\$	74			
County Library Fee	\$	1,258	\$	1,258	\$	979	\$	816	\$	83			
SSHCP		TBD		TBD		TBD		TBD		TBD			
Affordable Housing	\$	9,516	\$	8,052	\$	6,588	\$	3,660	\$	3,66			
sub-Total - Impact Fees		82,579		67,693		61,051		40,285		40,2			
Plan Area Fee Program [2]													
Transportation - Local		8,173		6,985		6,985		3,982		3,98			
Water		1,033		1,033		1,033		775		7			
Sewer		1,020		1,020		1,020		766		1,0			
Drainage		33,964		13,518		4,832		2,253		2,2			
Trails		819		700		700		399		39			
Open Space		2,060		820		293		137		13			
Subtotal Plan Area Fees		47,069		24,076		14,863		8,312		8,50			
Other Jurisdiction Fees: [1]													
School District - EGUSD	\$	18,304	\$	15,488	\$	12,672	\$	7,040	\$	7,04			
Park - SRPD		7,917		7,917		7,150		5,619		5,61			
Subtotal Other Fees		26,221		23,405		19,822		12,659		12,65			
otal West Jackson Fees	\$	161,999	\$	120,629	\$	100,515	\$	64,608	\$	64,8			

^[1] Based on agency fee schedules.

^[2] Based on Plan Area Fee Analysis. See Appendix D for details.

TABLE 27 Development Impact Fees

Co	MU mmercial		Area A - Non Ro	eside	ential		
Co			Communicat				
	IIIIIeiciai			Ew	nployment		ndustrial
			Commercial	LII	ipioyillelit		iluustilai
			Area A - Non Resider	ntial	per Bldg SF		
\$	0.75	\$	0.57	\$	0.51	\$	0.63
\$	0.15	\$	0.06	\$	0.03	\$	0.09
	0.06	\$	0.04	\$	0.04	\$	0.05
\$	0.02	\$	0.01	\$	0.00	\$	0.01
\$	0.01	\$	0.01	\$	0.01	\$	0.01
\$	0.02	\$	0.02	\$	0.02	\$	0.02
\$	0.01	\$	0.00	\$	0.00	\$	0.00
	0.04	\$	0.04	\$	0.04	\$	0.04
\$	0.05	\$	0.03	\$	0.03	\$	0.04
	1.10		0.79		0.68		0.90
¢	27.62	¢	27.60	\$	17 <i>I</i> Q	\$	10.93
							0.67
				•			0.07
							0.21
				'			0.93
							1.23
,		,		*		*	TBD
\$	0.70	\$		\$	1.45	\$	1.45
\$	0.02	\$	0.05	\$	0.04	\$	0.04
	TBD		TBD		TBD		TBD
\$	0.91	\$	2.27	\$	1.89	\$	1.86
	NA		NA		NA		NA
	TBD		TBD		TBD		TBD
\$	2.66	\$	2.66	\$	3.31	\$	2.07
\$	38.54	\$	40.98	\$	29.72	\$	19.65
\$	7.61	\$	7.61	\$	6.71	\$	4.19
			0.04		0.03	\$	0.03
	0.20	\$	0.49	\$	0.41	\$	0.41
	2.48	\$	6.21	\$	5.17	\$	5.17
	0.76	\$	0.76	\$	0.67	\$	0.42
\$	0.15	\$	0.38	\$	0.31	\$	0.31
\$	11.22	\$	15.49	\$	13.30	\$	10.53
•					-		
	0.70	<u>,</u>	2 = 2	<u>,</u>	0.70	<u>,</u>	
							0.78
\$	0.61	\$	0.61	Ş	0.94	\$	0.41
\$	1.39	\$	1.39	\$	1.72	\$	1.19
\$	52.25	\$	58.64	\$	45.42	\$	32.28
\$	51.15	\$	57.85	\$	44.74	\$	31.38
	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ 0.15 \$ 0.06 \$ 0.02 \$ 0.01 \$ 0.04 \$ 0.05 1.10 \$ 27.68 \$ 1.71 \$ 0.68 \$ 0.52 \$ 1.36 \$ 2.30 TBD \$ 0.70 \$ 0.02 TBD \$ 0.91 NA TBD \$ 2.66 \$ 38.54 \$ 1.71 \$ 0.68 \$ 1.71 \$ 0.68 \$ 0.52 \$ 1.36 \$ 2.30 TBD \$ 0.70 \$ 0.02 TBD \$ 0.91 NA TBD \$ 0.91 \$ 0.91 \$ 0.02 \$ 0.91 \$ 0.03 \$ 0.04 \$ 0.05 \$ 0.05	\$ 0.15 \$ 0.06 \$ 0.02 \$ 0.01 \$ 0.04 \$ 0.05 \$	\$ 0.15 \$ 0.06 \$ 0.04 \$ 0.02 \$ 0.01 \$ 0.01 \$ 0.00 \$ 0.00 \$ 0.04 \$ 0.04 \$ 0.05 \$ 0.04 \$ 0.05 \$ 0.05 \$ 0.03 \$ 0.05 \$ 0.03 \$ 0.52 \$ 0.05 \$	\$ 0.15 \$ 0.06 \$ 0.04 \$ 0.02 \$ 0.01 \$ 0.01 \$ 0.01 \$ 0.00 \$	\$ 0.15 \$ 0.06 \$ 0.03 \$ 0.06 \$ 0.04 \$ 0.04 \$ 0.02 \$ 0.01 \$ 0.01 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.01 \$ 0.00 \$ 0.00 \$ 0.01 \$ 0.00 \$ 0.00 \$ 0.04 \$ 0.04 \$ 0.04 \$ 0.05 \$ 0.03 \$ 0.03 1.10 0.79 0.68 \$ 27.68 \$ 27.68 \$ 17.48 \$ 1.71 \$ 1.71 \$ 1.08 \$ 0.68 \$ 0.68 \$ 0.43 \$ 0.52 \$ 0.52 \$ 0.46 \$ 1.36 \$ 1.36 \$ 1.73 \$ 2.30 \$ 2.30 \$ 1.84 TBD TBD TBD TBD \$ 0.70 \$ 1.75 \$ 1.45 \$ 0.02 \$ 0.05 \$ 0.04 TBD TBD TBD TBD TBD \$ 0.91 \$ 2.27 \$ 1.89 NA TBD TBD TBD \$ 0.91 \$ 2.27 \$ 1.89 NA TBD TBD TBD \$ 0.91 \$ 2.27 \$ 1.89 NA TBD TBD TBD \$ 0.91 \$ 2.27 \$ 1.89 NA TBD TBD TBD \$ 0.91 \$ 2.27 \$ 1.89 NA TBD TBD TBD \$ 0.91 \$ 2.27 \$ 1.89 NA NA TBD TBD \$ 0.91 \$ 0	\$ 0.15 \$ 0.06 \$ 0.03 \$ \$ 0.04 \$ 0.04 \$ \$ 0.04 \$ \$ 0.04 \$ \$ 0.04 \$ \$ 0.00 \$ \$ 0.01 \$ 0.01 \$ 0.01 \$ \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.00 \$ \$ 0.0

^[1] Based on agency fee schedules.

^[2] Based on Plan Area Fee Analysis. See Appendix D for details.

TABLE 28
Development Impact Fees

	Area B - Non Residential									
				Area B - Non Re	side	ntial				
	_	MU			_					
Land Use / Product Information	Cor	mmercial		Commercial	Er	mployment	ın	dustrial		
Development Fee Calculations				Area B - Non Resident	ial p	er Bldg SF				
County Building Fees [1]		0.75	_	0.57	_	0.54	_	0.60		
Building Permit	\$	0.75	\$	0.57	\$		\$	0.63		
Plan Check Review	\$	0.15	\$	0.06	\$	0.03	\$	0.09		
Long Range Planning Fee	\$	0.06	-	0.04	\$	0.04	\$	0.05		
Zone Check Fee	\$	0.02		0.01	\$	0.00	\$	0.01		
Building Standards (1473)	\$	0.01	-	0.01		0.01	\$	0.01		
Strong Motion Fee	\$	0.02		0.02	\$	0.02	\$	0.02		
Energy Plan Review Fee	\$	0.01	\$	0.00	\$	0.00	\$	0.00		
Enviro Compliance Fee	\$	0.04	\$	0.04	\$	0.04	\$	0.04		
IT Recovery	\$	0.05	\$	0.03	\$	0.03	\$	0.04		
Sub-Total - Building fees		1.10		0.79		0.68		0.90		
County Impact Fees [1]										
SCTDF - Transportation District 4	\$	27.68	\$	27.68	\$	17.48	\$	10.93		
SCTDF - Transit District 4	\$	1.71	\$	1.71	\$	1.08	\$	0.67		
SCTDF - Admin District 4	\$	0.68	\$	0.68	\$	0.43	\$	0.27		
Cross Jurisdictional	\$	0.52		0.52	\$	0.46	\$	0.21		
Sac Metro Fire	\$	1.36	\$	1.36	\$	1.73	\$	0.93		
Measure A Fee	\$	2.30	\$	2.30	\$	1.84	\$	1.23		
SRCSD - Expansion	•	TBD		TBD		TBD	•	TBD		
SASD User Sewer Impact - Expansion	\$	0.70	\$	1.75	\$	1.45	\$	1.45		
SASD Technology	, \$	0.02		0.05	\$	0.04	\$	0.04		
Water - Cal Am	*	TBD	,	TBD	7	TBD	*	TBD		
Drainage Fees Zone 11-A	\$	0.91	\$	2.27	\$	1.89	\$	1.86		
County Library Fee		NA		NA		NA	•	NA		
SSHCP		TBD		TBD		TBD		TBD		
Affordable Housing	\$	2.66	\$	2.66	\$	3.31	\$	2.07		
Sub-Total - Impact Fees	\$	38.54	\$	40.98	\$	29.72	\$	19.65		
Non Area Faa Braswam [3]										
Plan Area Fee Program [2] Transportation - Local	\$	7.61	\$	7.61	\$	6.71	\$	4.19		
Water	Ļ	7.01	۲	7.01	ڔ	0.71	Ţ	4.13		
Sewer	\$	0.20	\$	0.49	\$	0.41	\$	0.41		
Drainage	\$	2.48	\$	6.21		5.17	\$	5.17		
Trails	\$	0.76	\$	0.76	\$	0.67	\$	0.42		
Open Space	\$	0.15	\$	0.38	\$	0.31	\$	0.42		
5,000							<u>'</u>			
Subtotal Plan Area Fees	\$	11.21	\$	15.45	\$	13.27	\$	10.50		
Other Jurisdiction Fees: [1]										
School District - EGUSD	\$	0.78	\$	0.78	\$	0.78	\$	0.78		
Park - CRPD	\$	0.61		0.61		0.94		0.41		
Subtotal Other Fees	\$	1.39	\$	1.39	\$	1.72	\$	1.19		
Total West Jackson Fees	\$	52.24	\$	58.60	\$	45.39	\$	32.25		
Total Impact Fees (Net of Building)	\$	51.14	Ś	57.82	\$	44.71	Ś	31.35		

^[1] Based on agency fee schedules.

^[2] Based on Plan Area Fee Analysis. See Appendix D for details.

TABLE 29 Development Impact Fees

				Area C - Non Re	side	ntial					
		MU		7	<u> </u>						
Land Use / Product Information	Con	nmercial		Commercial	Er	nployment	In	dustrial			
Development Fee Calculations	Area C - Non Residential per Bldg SF										
County Duilding Food [4]											
County Building Fees [1] Building Permit	\$	0.75	\$	0.57	\$	0.51	\$	0.63			
Plan Check Review	\$	0.15	\$	0.06	\$	0.03	\$	0.09			
Long Range Planning Fee	\$	0.15	\$	0.04	\$	0.03	\$	0.0			
Zone Check Fee	\$	0.00	\$		\$	0.04	۶ \$	0.0			
	\$	0.02	\$		\$	0.00	۶ \$				
Building Standards (1473)			•					0.03			
Strong Motion Fee	\$	0.02	\$	0.02	\$	0.02	\$	0.02			
Energy Plan Review Fee	\$	0.01	\$	0.00	\$	0.00	\$	0.0			
Enviro Compliance Fee	\$	0.04	\$	0.04	\$	0.04	\$	0.04			
IT Recovery	\$	0.05	\$	0.03	\$	0.03	\$	0.04			
Sub-Total - Building fees		1.10		0.79		0.68		0.90			
County Impact Fees [1]											
SCTDF - Transportation District 4	\$	27.68	\$	27.68	\$	17.48	\$	10.9			
SCTDF - Transit District 4	\$	1.71	\$	1.71	\$	1.08	\$	0.6			
SCTDF - Admin District 4	\$	0.68	\$	0.68	\$	0.43	\$	0.2			
Cross Jurisdictional	\$	0.52	\$	0.52	\$	0.46	\$	0.2			
Sac Metro Fire	\$	1.36	\$	1.36	\$	1.73	\$	0.9			
Measure A Fee	\$	2.30	\$	2.30	\$	1.84	\$	1.2			
SRCSD - Expansion		TBD		TBD		TBD		TBI			
SASD User Sewer Impact - Expansion	\$	0.70	\$	1.75	\$	1.45	\$	1.4			
SASD Technology	\$	0.02	\$	0.05	\$	0.04	\$	0.0			
Water - SCWA		TBD		TBD		TBD		TBI			
Drainage Fees Zone 11-A	\$	0.91	\$	2.27	\$	1.89	\$	1.8			
County Library Fee		NA		NA		NA		N			
SSHCP		TBD		TBD		TBD		TBI			
Affordable Housing	\$	2.66	\$	2.66	\$	3.31	\$	2.0			
Sub-Total - Impact Fees	\$	38.54	\$	40.98	\$	29.72	\$	19.6			
Plan Area Fee Program [2]											
Transportation - Local	\$	7.61	\$	7.61	\$	6.71	\$	4.19			
Water	\$	0.02	\$	0.04	\$	0.03	\$	0.0			
Sewer	\$	0.20	\$	0.49	\$	0.41	\$	0.4			
Drainage	\$	2.48	\$	6.21	\$	5.17	\$	5.1			
Trails	\$	0.76	\$	0.76	\$	0.67	\$	0.4			
Open Space	\$	0.15	\$	0.38	\$	0.31	\$	0.3			
Subtotal Plan Area Fees	Ś	11.22	\$	15.49	\$	13.30	\$	10.5			
AUDIOLOGI FIGILATEGI EES	Ą	11.22	ڔ	13.49	ڔ	13.30	٧	10.5			
Other Jurisdiction Fees: [1]											
School District - EGUSD	\$	0.78		0.78		0.78		0.7			
Park - SRPD	\$	0.61	\$	0.61	\$	0.94	\$	0.4			
Subtotal Other Fees	\$	1.39	\$	1.39	\$	1.72	\$	1.1			
Total West Jackson Fees	\$	52.25	\$	58.64	\$	45.42	\$	32.2			
Total Impact Food (Not of Puilding)	<u> </u>	E1 1F	ć	F7.0F	ć	4474	ć	24.2			
Total Impact Fees (Net of Building)	\$	51.15	\$	57.85	\$	44.74	\$	31.3			

^[1] Based on agency fee schedules.

^[2] Based on Plan Area Fee Analysis. See Appendix D for details.

4. Private Financing

The master developers and builders may construct public improvements and facilities that are required to serve the Project using cash, funds from private investors, lines of credit, conventional lending sources and other sources of private financing.

5. Private Cost Sharing/Reimbursement Agreement

Public Improvements that directly benefit other properties within the Project or outside the Project (regional share) are financed through a share of costs allocated among properties based on an equitable cost allocation factor. In the case where one property would develop before other benefitting properties and constructs the Public Improvements necessary for all benefitting properties, the provider of the shared Public Improvement will be entitled to reimbursement of costs.

6. Quimby Act & Parks Reimbursement

Cities and counties have been authorized since the passage of the 1975 Quimby Act ("Act") to pass ordinances requiring developers to set aside land, donate conservation easements or pay park fees for park improvements. Revenues generated through the Quimby Act cannot be used for the operation and maintenance of park facilities. The Act ensures open space acreage in jurisdictions adopting Quimby Act standards of 3-5 acres per 1,000 residents. County requirement for park dedication varies depending on the specific park district. The Project is serviced by the Cordova Recreation and Park District ("CRPD") and the Southgate Recreation and Park District ("SRPD"). According to County Code Section 22.40.045, CRPD has a dedication requirement of 4.87 acres per 1,000 population and SRPD has a dedication requirement of 5.00 acres per 1,000 population.

The Project is dedicating approximately 94.73 acres of parkland to CRPD and approximately 124.62 acres of parkland to SRPD. Developer has agreed to dedicate approximately 23 park sites totaling approximately 219.35 acres. County, CRPD and SRPD acknowledge that the dedication of the identified park sites fully satisfies the Project obligations for the dedication of parkland. Park dedications are based on Quimby factors from 2021. Satisfaction of Quimby required parkland dedication will be determined as individual tentative maps are proposed and approved. Please note, updated Quimby factors results in 126.18 acres of parkland to SRPD.

7. School Facility Financing

The passage of Senate Bill 50 ("SB 50") provides for a level of permissible school fees that may be charged by school districts in California. The fees charged are utilized for the construction or reconstruction of school facilities provided the school district meets the applicable legal requirements including justification for levying the fees. Authority exists for collection of three levels of developer fees on residential development commonly known as Level I fees, Level II fees and Level III fees. Age-restricted residential, commercial and industrial developments pay a reduced fee. The Project is serviced by the following school districts:

- a. Elk Grove Unified School District ("EGUSD")
- b. Sacramento City Unified School District ("SCUSD")

As of the date of the Finance Plan, the Level I fee is \$4.79 per square foot for residential property and \$0.78 per square foot for non-residential property. Level II fees may be charged if a school district meets specified legal requirements and adopts a School Facilities Needs Analysis. Level III fees may be charged if State funding for new construction becomes unavailable and a school district has met the applicable

statutory requirements. EGUSD qualifies for Level II fees at the following rates: (i) EGUSD - \$7.04 per square foot. The current posted rate for SCUSD is \$3.36 per square foot.

Other sources of school facility funding may also include bond tax elections or local school funds.

The following bond measures have been authorized:

- EGUSD: Measure M Measure M will provide EGUSD students and the community with \$476 million in critical improvements to existing school buildings and grounds.
- SCUSD: Measure Q Upgrading classrooms, science labs, computer systems and technology; renovating heating and ventilation systems; reducing costs through energy efficiency; improving student safety and security systems; repairing roofs, floors, walkways, bathrooms, electrical, plumbing and sewer systems (\$346 million).
- Measure R Repair playgrounds and playfields to meet modern safety standards, improve physical education facilities and bathrooms, improve irrigation systems and water drainage to reduce water consumption, remove asbestos, lead paint and other unsafe conditions and to upgrade kitchen facilities to improve nutrition and nutritional education for children (\$68 million).

8. Area of Benefit/Zone of Benefit ("AOB/ZOB")

The purpose of an AOB/ZOB is to make a provision for assessing property as a condition of approval of a map, condition of development approval, or as a condition of issuing a building permit. An AOB/ZOB may be established so long as the construction of Public Improvements provided for by the AOB/ZOB is required by subsequent developments, and that the assessments are fairly apportioned within the area on either: (i) the basis of benefits conferred on property proposed for development; or (ii) the need for such Public Improvements created by the proposed development and development of other property within the area.

Other

In addition to the funding mechanisms listed above the Project is evaluating the reasonableness of alternative funding strategies. These alternative funding strategies include the use of 1) transfer fees and 2) Enhanced Infrastructure Finance Districts ("EIFD").

The transfer fee is controlled by CA Code Section 1098 and is any fee payment imposed within a covenant, restriction, or condition contained within a deed, contract, security instrument or other document affecting the transfer or sale in real property. A transfer fee document to create the transfer fee must be recorded with the county in which the property is located. The transfer fee document provides the following:

- 1. The title of the document shall be "Payment of Transfer Fee Required" in at least 14 point boldface type.
- 2. The document shall include:
 - a. The names of all current owners of real property subject to the transfer fee, and the legal description and assessor's parcel number for the affected real property.
 - b. The amount, if the fee is a flat amount, or the percentage of the sales price constituting the cost of the fee.

- c. If the real property is residential property, actual dollar-cost examples of the fee for a home priced at two hundred fifty thousand dollars (\$250,000), five hundred thousand dollars (\$500,000), and seven hundred fifty thousand dollars (\$750,000).
- d. The date or circumstances under which the transfer fee payment requirement expires, if any.
- e. The purpose for which the funds from the fee will be used.
- f. The entity to which funds from the fee will be paid and specific contact information regarding where the funds are to be sent.

The Project has analyzed transfer fees as a possible source of funding to assist in mitigating costs associated with the Public Improvements.

The EIFD law was authorized by SB (628) and was signed by Governor Jerry Brown on September 29, 2014. The EIFD is governed by California Government Code Section 53398.50 to 53398.88 and allows for the use of property tax increment to fund public improvements and facilities. The property tax increment would be diverted from consenting municipalities like the County for a term of 45 years.

The EIFD provides a new opportunity for a public agency and the development community to form partnerships for investing in public improvements and facilities with a useful life of fifteen (15) years.

Examples of these public improvements and facilities include:

- 1. Sewer, water and drainage/flood control
- 2. Transportation, transit and parking improvements
- 3. Parks and open space
- 4. Civic centers, community centers and child care facilities
- 5. Construction and repair of private industrial structures

The EIFD may also be a key tool in implementing a sustainable community strategy and economic development strategy or funding brownfield restoration, environmental mitigation and affordable housing.

The Project is currently analyzing the appropriateness of the use of EIFD funding for the following types of Project Improvements:

- Transportation
- Drainage and flood control
- Sewer
- Water

Funding Sources Table

Table 30 below identifies which types of funding sources are available and/or are appropriate for the various types of Public Improvements required for the Project.

TABLE 30 Potential Funding Sources

Public Improvements	Land Secured Financing	Federal, State, County or Local Funding	Development Impact Fee	WJHMP Plan Area Fee	Private Financing	Private Cost Sharing/Reimbursements	Quimby Act & Park Reimbursement	School Facility Financing	Area of Benefit	Other
Transportation - Regional	Х	Х	Х		Х	Х			Х	Х
Transportation - Local	Х			Х	Х	Х			Х	Х
Water	Х	Х	Х	Х	Х	Х			Х	Х
Sewer	Х	Х	Х	Χ	Х	Х			Х	Х
Drainage & Flood Control	Х	Х	Х	Х	Х	Х			Х	х
Parks	Х		Х		Х		Х			х
Trails	Х			Х	Х		Х			х
Transit			х							
Open Space				Х			Х			
Fire			Χ							
Library			Х							
Schools	Х							Х		

The initial finance strategy for the Project anticipates the use of a combination of the funding mechanisms listed in this Section VII. The following table 31-34 summarizes this initial finance strategy for the Project's Public Improvements at buildout and each development area.

TABLE 31 Funding Sources Summary

					Funding S	ource - Area A			
	Estimated	County Fee	Oth	ner Agency Fee	WJHMP Fee	State &			Land
Category	Costs	Programs		Programs	Program	Federal	Subtotal	Other	Secured
Backbone Infrastructure									
Transportation - Regional [1]									
Regional Roadways	\$260,275,720	\$237,655,103	\$	22,620,617			\$260,275,720	Χ	X
Cross Jurisdictional	\$ 5,599,759				\$ 5,599,759		\$ 5,599,759	Χ	X
Transportation - Local									
Collector	\$ 8,265,000				\$ 8,265,000		\$ 8,265,000	Χ	X
Arterial	\$ 19,067,500				\$ 19,067,500		\$ 19,067,500	Χ	X
Frontage									
Arterial	\$ 13,868,400				\$ 13,868,400		\$ 13,868,400	Χ	X
Thoroughfare	\$ 23,251,900				\$ 23,251,900		\$ 23,251,900	Χ	X
Subtotal Transportation	\$330,328,279	\$237,655,103	\$	22,620,617	\$ 70,052,559	\$ -	\$330,328,279		
Water - Offsite (SCWA)[2]	\$ 16,805,334		\$	11,517,603	\$ 5,287,731		\$ 16,805,334	Χ	X
Water - Onsite (SCWA)[2]	\$ 7,082,946		\$	5,203,822	\$ 1,879,124		\$ 7,082,946	Χ	Χ
Water - Offsite (Cal Am)[3]	\$ 779,922		\$	779,922			\$ 779,922	Χ	X
Water - Onsite (Cal Am)[3]	\$ 3,677,856		\$	3,677,856			\$ 3,677,856	Χ	X
Sewer[4]	\$ 22,792,770		\$	13,071,835	\$ 9,720,935		\$ 22,792,770	Χ	X
Drainage & Levee[5]	\$128,437,393		\$	13,030,222	\$115,407,171		\$128,437,393	Χ	X
Subtotal Backbone Infrastructure	\$509,904,500	\$237,655,103	\$	69,901,877	\$202,347,519	\$ -	\$509,904,500		
Public Facilities									
Parks - CRPD[6]	\$ 26,618,600		\$	26,618,600			\$ 26,618,600		X
Parks - SRPD[7]	\$ 6,419,590		\$	6,419,590			\$ 6,419,590		X
Regional Trails [8]	\$ 12,080,172	\$ 9,682,996			\$ 2,397,176		\$ 12,080,172		X
Local/Conventional Trails[7][8]	\$ 7,221,926				\$ 7,221,926		\$ 7,221,926		X
Transit	\$ 14,673,941	\$ 14,673,941					\$ 14,673,941		
Open Space	\$ -				\$ -		\$ -		
Fire[9]	\$ 19,812,813		\$	19,812,813			\$ 19,812,813		
Libraries[10]	\$ 3,958,416		\$	3,958,416			\$ 3,958,416		
Schools - Elk Grove USD[11]	\$ 45,923,841		\$	45,923,841			\$ 45,923,841		X
Schools - Sac City USD[12]	\$ 2,995,736		\$	2,995,736			\$ 2,995,736		X
Subtotal Public Facilities	\$139,705,035	\$ 24,356,937	\$	105,728,996	\$ 9,619,102	\$ -	\$139,705,035		
Total Area A	\$649,609,535	\$262,012,040	\$	175,630,873	\$211,966,622	\$ -	\$649,609,535		

- [1] Funding from the SCTDF program.
- [2] Funding from the SCWA Zone 40 program.
- [3] Assumed reimbursement from Cal Am.
- [4] Funding from Sac Sewer program.
- [5] Funding from SCWA Zone 11A program.
- [6] Funding from CRPD program.

- [7] Funding from SRPD program.
- [8] Funding from SCTDF program.
- [9] Funding from Sac Metro program.
- [10] Funding from Sacramento Library Agency program.
- [11] Funding from Elk Grove Unified School District program.
- [12] Funding from Sacramento City School District program.

TABLE 32 Funding Sources Summary

				Funding Source	e - Area B			
	Estimated	County Fee	Other Agency Fee	WJHMP Fee	State &			Land
Category	Costs	Programs	Programs	Program	Federal	Subtotal	Other	Secured
Backbone Infrastructure								
Transportation - Regional [1]								
Regional Roadways	\$116,552,193	\$107,042,440	\$ 9,509,752			\$116,552,193	X	Χ
Cross Jurisdictional	\$ 2,693,766			\$ 2,693,766		\$ 2,693,766	X	Χ
Transportation - Local								
Collector	\$ 40,211,250			\$ 40,211,250		\$ 40,211,250	Χ	Χ
Arterial	\$ -			\$ -		\$ -	X	Χ
Frontage								
Arterial	\$ 5,286,400			\$ 5,286,400		\$ 5,286,400	X	Χ
Thoroughfare	\$ 9,993,600			\$ 9,993,600		\$ 9,993,600	X	Χ
Subtotal Transportation	\$174,737,209	\$107,042,440	\$ 9,509,752	\$ 58,185,016	\$ -	\$174,737,209		
Water - Offsite (SCWA)[2]	\$ 10,810,332		\$ 8,586,931	\$ 2,223,401		\$ 10,810,332	Х	X
, ,,,,						. , ,	X	X
Water - Onsite (SCWA)[2]	, -, ,			\$ 1,454,350		, -, ,		
Water - Offsite (Cal Am)[3]	\$ 380,952		\$ 380,952 \$ 18,472,272				X	X
Water - Onsite (Cal Am)[3]	\$ 18,472,272			ć 3.430.33C		\$ 18,472,272	X	X X
Sewer[4]	\$ 10,194,756		\$ 7,056,430	\$ 3,138,326		\$ 10,194,756	X	
Drainage & Levee[5]	\$ 51,573,222	4407.040.440	\$ 6,833,541	\$ 44,739,682		\$ 51,573,222	Х	X
Subtotal Backbone Infrastructure	\$269,413,621	\$107,042,440	\$ 52,630,405	\$109,740,776	\$ -	\$269,413,621		
Public Facilities								
Parks - CRPD[6]	\$ 29,912,058		\$ 29,912,058			\$ 29,912,058		Χ
Parks - SRPD[7]	\$ 8,036,176		\$ 8,036,176			\$ 8,036,176		Χ
Regional Trails [8]	\$ 6,433,432	\$ 5,156,789		\$ 1,276,643		\$ 6,433,432		Χ
Local/Conventional Trails[7][8]	\$ 3,694,205			\$ 3,694,205		\$ 3,694,205		Χ
Transit	\$ 6,574,645	\$ 6,574,645				\$ 6,574,645		
Open Space	\$ 13,531,343			\$ 13,531,343		\$ 13,531,343		
Fire[9]	\$ 9,714,662		\$ 9,714,662			\$ 9,714,662		
Libraries[10]	\$ 5,733,636		\$ 5,733,636			\$ 5,733,636		
Schools - Elk Grove USD[11]	\$ 67,288,552		\$ 67,288,552			\$ 67,288,552		Χ
Subtotal Public Facilities	\$150,918,708	\$ 11,731,434	\$ 120,685,083	\$ 18,502,191	\$ -	\$150,918,708		
Total Area B	\$420,332,329	\$118,773,874	\$ 173,315,488	\$128,242,967	\$ -	\$420,332,329		

- [1] Funding from the SCTDF program.
- [2] Funding from the SCWA Zone 40 program.
- [3] Assumed reimbursement from Cal Am.
- [4] Funding from Sac Sewer program.
- [5] Funding from SCWA Zone 11A program.
- [6] Funding from CRPD program.

- [7] Funding from SRPD program.
- [8] Funding from SCTDF program.
- [9] Funding from Sac Metro program.
- [10] Funding from Sacramento Library Agency program.
- [11] Funding from Elk Grove Unified School District program.

TABLE 33 Funding Sources Summary

		Funding Source - Area C								
	Estimated	County Fee	Othe	r Agency Fee	W	/JHMP Fee	State &			Land
Category	Costs	Programs	P	Programs		Program	Federal	Subtotal	Other	Secured
Backbone Infrastructure										
Transportation - Regional [1]										
Regional Roadways	\$182,915,605	\$167,979,843	\$	14,935,762				\$182,915,605	Х	Х
Cross Jurisdictional	\$ 4,050,505				\$	4,050,505		\$ 4,050,505	Х	Х
Transportation - Local										
Collector	\$ 25,650,000				\$	25,650,000		\$ 25,650,000	Х	X
Arterial	\$ -				\$	-		\$ -	X	Х
Frontage										
Arterial	\$ 12,130,400				\$	12,130,400		\$ 12,130,400	Χ	Х
Thoroughfare	\$ 25,736,400				\$	25,736,400		\$ 25,736,400	Х	Χ
Subtotal Transportation	\$250,482,910	\$167,979,843	\$	14,935,762	\$	67,567,305	\$ -	\$250,482,910		
Water - Offsite (SCWA)[2]								\$ -	Х	Х
Water - Onsite (SCWA)[2]	\$ 3,909,048		\$	3,442,915	\$	466,133		\$ 3,909,048	Х	Х
Water - Offsite (Cal Am)[3]			·	, ,	·	,		\$ -	Х	Х
Water - Onsite (Cal Am)[3]	\$ -							\$ -	Х	Х
Sewer[4]	\$ 25,567,932		\$	17,321,322	Ś	8,246,610		\$ 25,567,932	Х	Х
Drainage & Levee[5]	\$ 70,615,777		\$	7,706,364		62,909,413		\$ 70,615,777	Х	Х
Subtotal Backbone Infrastructure	\$350,575,667	\$167,979,843	\$	43,406,362		139,189,462	\$ -	\$350,575,667		
Public Facilities										
Parks - CRPD[6]	\$ 3,211,130		\$	3,211,130				\$ 3,211,130		Х
Parks - SRPD[7]	\$ 52,223,821		Ś	52,223,821				\$ 52,223,821		X
Regional Trails [8]	\$ 8,696,407	\$ 6,970,702	Y	32,223,021	\$	1,725,705		\$ 8,696,407		X
Local/Conventional Trails[7][8]	\$ 2,072,429	\$ 0,570,702			\$	2,072,429		\$ 2,072,429		X
Transit	\$ 10,287,162	\$ 10,287,162			7	2,072,423		\$ 10,287,162		,
Open Space	\$ 10,207,102	ÿ 10,207,102			\$	_		\$ 10,207,102		
Fire[9]	\$ 14,615,777		\$	14,615,777	7			\$ 14,615,777		
Libraries[10]	\$ 8,314,320		\$	8,314,320				\$ 8,314,320		
Schools - Elk Grove USD[11]	\$ 97,846,427		\$	97,846,427				\$ 97,846,427		Х
Subtotal Public Facilities	\$197,267,472	\$ 17,257,863	\$	176,211,475	\$	3,798,134	\$ -	\$197,267,472		
Fotal Area C	\$547,843,140	\$185,237,706	\$	219,617,837	\$1	142,987,596	\$ -	\$547,843,140		

- [1] Funding from the SCTDF program.
- [2] Funding from the SCWA Zone 40 program.
- $\label{eq:continuous} \textbf{[3] Assumed reimbursement from Cal Am}.$
- [4] Funding from Sac Sewer program.
- [5] Funding from SCWA $\,$ Zone 11A program.
- [6] Funding from CRPD program.

- [7] Funding from SRPD program.
- [8] Funding from SCTDF program.
- [9] Funding from Sac Metro program.
- [10] Funding from Sacramento Library Agency program.
- [11] Funding from Elk Grove Unified School District program.

TABLE 34 Funding Sources Summary

					Funding Source	e - B	uildo	ut			
	Estimated	County Fee	Oth	ner Agency Fee	WJHMP Fee	Sta	te &				Land
Category	Costs	Programs		Programs	Program	Fed	deral		Subtotal	Other	Secured
Backbone Infrastructure											
Transportation - Regional [1]											
Regional Roadways	\$ 559,743,518	\$512,677,387	\$	47,066,131				\$	559,743,518	Х	Χ
Cross Jurisdictional	\$ 12,344,031				\$ 12,344,031			\$	12,344,031	Х	Χ
Transportation - Local											
Collector	\$ 74,126,250				\$ 74,126,250			\$	74,126,250	Х	Χ
Arterial	\$ 19,067,500				\$ 19,067,500			\$	19,067,500	X	Χ
Frontage											
Arterial	\$ 31,285,200				\$ 31,285,200			\$	31,285,200	Χ	Χ
Thoroughfare	\$ 58,981,900				\$ 58,981,900			\$	58,981,900	Х	Χ
Subtotal Transportation	\$ 755,548,398	\$512,677,387	\$	47,066,131	\$195,804,881	\$	-	\$	755,548,398		
Water - Offsite (SCWA)[2]	\$ 27,615,666		\$	20,104,534	\$ 7,511,132			\$	27,615,666	Х	х
Water - Onsite (SCWA)[2]	\$ 14,236,872		\$	10,437,265	\$ 3,799,607			\$	14,236,872	Х	Χ
Water - Offsite (Cal Am)[3]	\$ 1,160,874		\$	1,160,874				\$	1,160,874	Χ	Χ
Water - Onsite (Cal Am)[3]	\$ 22,150,128		\$	22,150,128				\$	22,150,128	Х	Χ
Sewer[4]	\$ 58,555,458		\$	37,449,586	\$ 21,105,872			\$	58,555,458	Х	Χ
Drainage & Levee[5]	\$ 250,626,392		\$	27,570,127	\$223,056,265			\$	250,626,392	Х	Χ
Subtotal Backbone Infrastructure	\$ 1,129,893,788	\$512,677,387	\$	165,938,645	\$451,277,757	\$	-		1,129,893,788		
Public Facilities											
Parks - CRPD[6]	\$ 59,741,787		\$	59,741,787				\$	59,741,787		Χ
Parks - SRPD[7]	\$ 66,679,587		\$	66,679,587				\$	66,679,587		Χ
Regional Trails [8]	\$ 27,210,011	\$ 21,810,487		, ,	\$ 5,399,524			Ś	27,210,011		Х
Local/Conventional Trails[7][8]	\$ 12,988,560	, ,- ,-			\$ 12,988,560			Ś	12,988,560		Χ
Transit	\$ 31,535,747	\$ 31,535,747			, ,,			Ś	31,535,747		
Open Space	\$ 13,531,343	,,			\$ 13,531,343			\$	13,531,343		
Fire[9]	\$ 44,143,251		\$	44,143,251	, ,			\$	44,143,251		
Libraries[10]	\$ 18,006,372		\$	18,006,372				Ś	18,006,372		
Schools - Elk Grove USD[11]	\$ 211,058,820		\$	211,058,820				\$	211,058,820		Х
Schools - Sac City USD[12]	\$ 2,995,736		\$	2,995,736				\$	2,995,736		X
Subtotal Public Facilities	\$ 487,891,215	\$ 53,346,234	\$	402,625,553	\$ 31,919,428	\$	-	\$	487,891,215		
Total Buildout	\$ 1,617,785,004	\$566,023,621	\$	568,564,198	\$483,197,185	\$	-	\$:	1,617,785,004		

- [1] Funding from the SCTDF program.
- [2] Funding from the SCWA Zone 40 program.
- $\label{eq:continuous} \textbf{[3] Assumed reimbursement from Cal Am}.$
- [4] Funding from Sac Sewer program.
- [5] Funding from SCWA Zone 11A program.
- [6] Funding from CRPD program.

- [7] Funding from SRPD program.
- [8] Funding from SCTDF program.
- [9] Funding from Sac Metro program.
- [10] Funding from Sacramento Library Agency program.
- [11] Funding from Elk Grove Unified School District program.
- [12] Funding from Sacramento City School District program.

The funding for the other category in the tables above is envisioned to come from a variety of sources. These funding sources may include but are not limited to (i) Land Secured Financing, (ii) Federal, State, County or local funding and (iii) Private Financing. These funding mechanisms are described earlier in this Section VII.

In addition to the one-time, upfront Public Improvement requirements, the Master Plan will create annual operating and maintenance demands associated with the provision of services to the Project. A list of the various Public Improvements along with the dedicated services provider(s) and existing and/or proposed key annual funding sources is shown in the following table 35. The Project anticipates annexing into or creating districts to secure long term operational and maintenance financing for the

service providers. A comprehensive list of these districts is shown in the preliminary CFD bond capacity analysis included in **Appendix C**.

TABLE 35 Services Funding Matrix

Public Improvements & Facilities	Service Provider	Funding Source
Transportation - Regional	County of Sacramento	GT/GF/CFD
Transportation - Local	County of Sacramento	GT/GF/CFD
Water	SCWA / Cal Am	UF
Sewer	SASD / SRCSD	UF
Drainage & Levee (i)	SCWA	CFD
Parks	CRPD / SRPD	CFD
Trails	County of Sacramento	CFD
Transit	County of Sacramento / Regional Transit	CFD/AD/CSA
Open Space	County of Sacramento	CFD
Fire	Sac Metro Fire	GF
Sheriff	County of Sacramento	GF/CFD
Library	Sacramento Public Library Authority	GF
Schools	EGUSD / SCUSD / FCUSD	GF
(i) SCWA does not maintain leve	ees. Special district to be formed.	

^{*}Key annual funding represent existing or potential funding sources for the respective public improvements/facility. Actual application will be determined at a future date.

AD = Assessment District LLD = Landscape & Lighting District

CFD = Community Facilities District UF = User Fees

GF = General Fund HOA = Homeowners Association

TDA = Transportation Development Act GT = Gas Tax

CSA = County Service Area

VIII. ACTION IMPLEMENTATION PLAN (ACTION PLAN)

The Finance Plan outlines the strategy for financing, constructing and maintaining Public Improvements. Included as part of the Public Improvements is a set of essential upfront infrastructure that is required prior to or in conjunction with initial phases of development. The essential upfront infrastructure has created significant cash flow constraints for the Applicants which requires the implementation of specific funding mechanism allowing for a cost-effective plan of development. Implementation of these funding mechanisms or action plan ("Action Plan") is necessary to cure the cash flow constraints and achieve the feasibility metrics outlined in this Finance Plan.

The Finance Plan includes the following action items to mitigate the cash flow constraints associated with initial phases of the Project triggered by the essential upfront infrastructure.

<u>Action Item No. 1:</u> Utilization of federal, state, and local grant funding to deliver flood control and levee protection.

The Applicant is pursuing grant opportunities with federal, state, and local agencies to fund construction of the extensive flood control and levee improvements required prior to or in conjunction with the initial phases of development. The flood control and levee improvements provide regional security to existing and future downstream development within the Morrison Creek and Elder Creek water shed areas. The regional nature of the flood control and levee improvements which impact multiple agencies provides a level of environmental equity allowing the Applicant to actively pursue grant funding opportunities. Critical to the application process of grant programs is active participation by the County. A lack of support from the County in obtaining grant funding severely impacts the feasibility of the initial phases of the Project and the Applicant's ability to achieve the required feasibility metrics.

Action Item No. 2: Formation of an Enhanced Infrastructure Finance District ("EIFD").

The Project contains a substantial amount of non-residential land uses that creates a unique opportunity for the Applicant and County. The significant non-residential properties generate positive general fund cash flows that can be leveraged to fund a variety of Public Improvements and other activities through an EIFD. As described above in Section VII, the EIFD allows for the use of property tax increment and other revenue sources to fund public improvements and facilities. The EIFD provides a new opportunity for the County and the Applicant to form a partnership for investing in public improvements and facilities with a useful life of fifteen (15) years.

The Applicant is currently analyzing the appropriateness of using EIFD funding for the following types of Public Improvements:

- Flood Control and levee
- Transportation
- Sewer
- Water

The ability to leverage the positive fiscal impact the Project has on the County to deliver regional or multijurisdictional Public Improvements including the essential upfront infrastructure is key to delivering a feasible Project and minimizing the cash flow constraints.

Action Item No. 3: Extended term Community Facilities District ("CFD")

Due to the size and scope of the Project, the Applicants are proposing to extend the term of the CFD special tax. As the Project may be required to contribute funding for capital improvement projects required near the termination of a typical CFD, it is prudent for the Applicants and County to address these funding needs. Extending the term of the CFD by an additional twenty-five (25) to thirty (30) years or longer would allow the County and Project to identify a source of funding for long-term capital improvements. The Applicants envision future CFD bond sales after the termination of the initial CFD bond to fund these long-term capital improvements. Additionally, the CFD special tax revenues from the extended term could directly fund repair, replacement or rehabilitation needs associated with early phase capital improvements or the essential upfront infrastructure. The use of the extended term CFD provides the Project with a more comprehensive and efficient use of the CFD mechanism. By enhancing the CFD by extending the term of the special tax the Project is able to fully leverage bond proceeds in early years to offset cash flow constraints and feasibility concerns while preserving needed funding for future phases of the Project. E

Action Item No. 4: Regional Cost Sharing

The Project is one of many located within the Jackson Highway Master Plan Area ("JHMPA") of the County. These include: (i) West Jackson Highway Master Plan, (ii) Jackson Township Specific Plan, (iii) Newbridge Specific Plan and (iv) Mather South Master Plan. Many of these master plan and specific plan projects will be conditioned with the construction of regional improvements that provide capacity or benefit development within one or multiple planned projects. The Applicant and County should pursue the development of cost sharing of these construction activities. A regional cost sharing program would lower initial infrastructure investments and deliver needed regional improvements to the key masterplan projects along the JHMPA.

Action Item No. 5: Direct Reimbursement from Public Agency

Several of the Project service providers carry large impact fee fund balances. These fund balances are generated by the collection of impact fee and other revenue sources over a long period of time. Fund balances from the collection of impact fees are required to be spent within a five (5) year period on new or expanded improvements and facilities. Currently, SCWA and Sac Sewer are sitting on fund balances of approximately \$450 million and \$90 million respectively. The substantial fund balances at these two service providers could be used to directly reimburse the Applicant for constructing water and sewer improvements that are part of the essential upfront infrastructure. The utilization of these existing fund balances as an alternative to applying traditional impact fee credits at building permits has a dramatic impact on the cash flow constraints associated with delivering the initial phases of the Project.

The Action Plan outlined in this section identifies strategies to address the significant cash flow constraints of the initial phases of the Project and provides a pathway to full buildout. Flexibility within the Action Plan to address changing market conditions is an element of this Finance Plan. The action items listed above are anticipated to evolve with the market and be subject to revision.

APPENDIX A
WEST JACKSON HIGHWAY MASTER PLAN
ENGINEERING COST ESTIMATES

Memorandum



To: StoneBridge Properties, LLC

Granite Construction Company

From: Jason Reed, PE

Cc: Mike Motroni, PE

Date: January 30, 2025

Subject: West Jackson Highway Master Plan: Backbone Roads and Trails Estimate and Narrative



Introduction

West Jackson Highway Master Plan (WJHMP) covers approximately 5,913 acres of land in Sacramento County straddling Jackson Highway, between South Watt Avenue and Excelsior Road. To date, various iterations of master studies have been prepared and approved in support of entitlement for WJHMP and addressing major infrastructure needs. The studies, along with the latest land use plan and Master Plan have informed these estimates for Backbone Roads and Trails:

• 2019 Update Sacramento County Transportation Development Fee and Transit Impact Fee Program, dated November 2019 and prepare by DKS (SCTDF)

The SCTDF along with the latest land use plan and WJHMP were used as basis for the attached backbone cost estimates and exhibits. Quantities are appropriate as a large-scale estimate, based on schematic proposed alignments.

This estimate does not include roadway segments and intersections that are included in the SCTDF as WJHMP will pay its fair share cost of this fee and therefore should not be counted separately as a Plan Area Fee. The frontage segments that were excluded from the SCTDF costs are included in this estimate.

This estimate memo does not include backbone drainage, sewer, water as those are subject of a separate memo. Similarly, these estimates do not include mass grading, potential grading of off-site utility alignments for placement of utilities, or levee improvements.

Roads

The planning area has backbone roads classified into three main designations, which include: Thoroughfare (6-lanes), Arterial (4-lanes) and Collector (2-lanes) with some variations of Low Impact Design (LID) Median vs. Non-LID Median.

Cost estimates for backbone roads infrastructure are based on the attached Circulation Exhibit. Unit Cost estimates have been developed for each roadway type and those have been projected based upon the Circulation Exhibit. Quantities for the estimates are organized by Finance Areas (A, B, and C). Final phasing or sequencing of backbone roads will be subject to future analysis during tentative map phases. Roadway segments that appear in the SCTDF are excluded from this estimate. Similarly, intersections that appear in

the SCTDF have been excluded from this estimate. Lengths of roadway frontage segments utilize the length described in the SCTDF.

Trails

The planning area has backbone Trails included as two main designations, which include: Regional Trail and Conventional Trail.

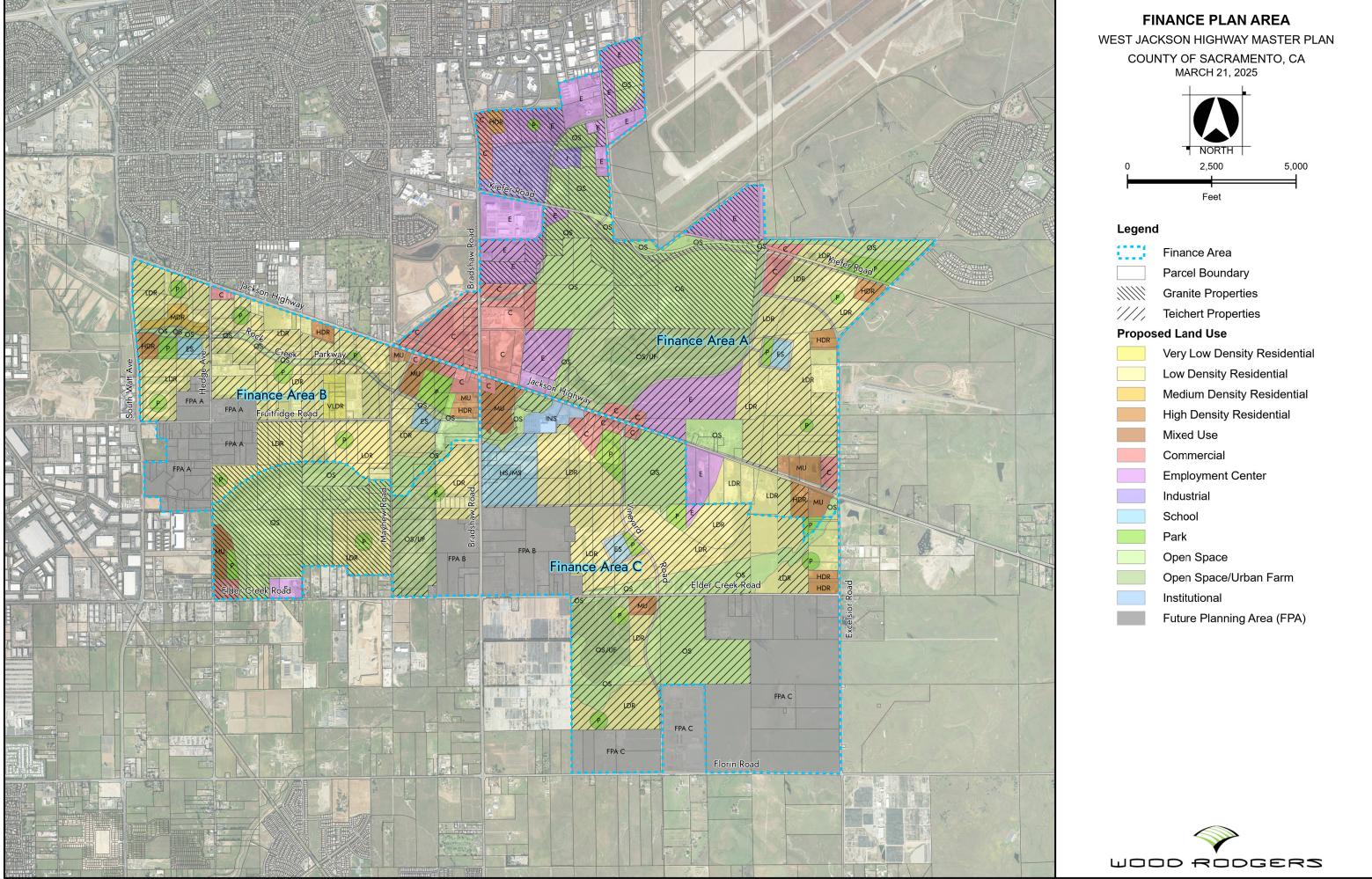
Cost estimates for backbone trails are based on the Trails Plan attached. Unit Cost estimates have been developed for each trail type and those have been projected based upon the Trails Plan Exhibit. Quantities for the estimates are organized by Finance Areas (A, B, and C). Ultimately, some trails may be located with backbone roads for efficiencies and costs may be consolidated (trail on one side of the road instead of trail and sidewalk). This level of analysis is subject to further plan development.

Attachments

- 1. Finance Plan Area Exhibit
- 2. Backbone Roads and SCTDF Excluded Frontage Unit Cost Development
- 3. Backbone Roads Cross Section Exhibits
- 4. Backbone Roads and Intersections Cost Estimates
- 5. Backbone Roads SCTDF Segment Estimates
- 6. Backbone Trails Unit Cost Development and Cost Estimates
- 7. Backbone Trails Exhibit



ATTACHMENT 1: FINANCE PLAN AREA EXHIBIT





ATTACHMENT 2: BACKBONE ROADS AND SCTDF EXCLUDED FRONTAGE UNIT COST DEVELOPMENT

Table A-1.2
WJHMP Backbone Estimate
Preliminary Infrastructure Development Cost Estimate

Preliminary Cost Per Linear Foot Summary

TYPE	ROADWAY	Total Cost Per L.F.
COLLECTOR	50' ROW 2 LANES	\$2,280
MAJOR COLLECTOR	60' ROW 2 LANES	\$2,410
MODIFIED COLLECTOR	108' ROW 2 LANES AND EXPANDED MEDIAN (SWALE)	\$3,150
ARTERIAL	74' ROW 4 LANES	\$2,900
THOROUGHFARE	96' ROW 6 LANES	\$3,370
FRONTAGE ONLY -	FRONTAGE ONLY - PER FOOT FOR 1-SIDE	\$680
COLLECTOR	FRONTAGE ONLY - PER FOOT FOR 2-SIDES	\$1,130
FRONTAGE ONLY - ARTERIAL	FRONTAGE ONLY - PER FOOT FOR 1-SIDE	\$700
AND THOROUGHFARE	FRONTAGE ONLY - PER FOOT FOR 2-SIDES	\$1,180

NOTES

- 1. Subgrade Preparation quantities include proposed paving and concrete work within the ROW plus an additional 3' contingency for work outside of ROW and within landscape medians.
- 2. Excavation quantities include anticipated earthwork activities within proposed roadway and landscape sections equal to width of corridor by 3' depth.
- 3. Signing and Striping quantities are based on number of lanes and anticipated signage spacing.
- 4. Erosion Control quantities include proposed ROW plus proposed landscape corridors.
- 5. Estimate soft costs allowances estimated at 20%.
- 6. Estimate does not include water quality and LID improvements.
- 7. Dry utility/joint trench costs are included for backbone roads only. Excludes existing utility relocations.
- 8. Estimate assumes the offsite utility extensions are sufficient depth and location to avoid utility conflicts and serve the project. Estimate does not include detailed mass grading for utility alignments.
- 9. Monumentation or other architectural features are not included in this estimate.
- 10. Costs reflect 2023 dollars based on interpolation of unit cost prices from comparable projects.
- 11. Pavement and concrete structural sections are assumed and not based on site specific geotechnical analysis.
- 12. Mitigation fees are not included in this cost estimate.
- 13. Mass grading efforts are not included in this estimate.
- 14. Quantities not explicitly detailed within are not included as part of this estimate.
- 15. Reimbursements for creditable facilities are not backed-out of the per LF Cost.
- 16. Intract costs are not a part of this estimate.

Taken from Table A-1.2 of WJHMP
WJHMP Backbone Estimate
Preliminary Infrastructure Development Cost Estimate

Preliminary Cost Per Linear Foot

50' R.O.W. (2 Lane Collector)

	Item	Quantity	Unit	\$ / Unit	Per Ft Cost
1.	Subgrade Preparation	56	s.f	\$0.25	\$14.00
2.	Excavation (3')	11	c.y.	\$4.00	\$44.00
3.	4" Asphaltic Concrete Paving	44	s.f.	\$3.40	\$149.60
4.	12" Aggregate Base	44	s.f.	\$4.15	\$182.60
5.	Curb & Gutter, Type 2 (Vertical Curb)	2	l.f.	\$35.00	\$70.00
6.	Signing & Striping	5	l.f.	\$5.00	\$25.00
7.	Erosion Control	94	s.f.	\$0.15	\$14.10
8.	Local Drainage for Major Arterial (Drain, Leads & DI's)	1	l.f.	\$190.00	\$190.00
9.	Street Lights (Type A, 170' estimated spacing)	1	l.f.	\$80.00	\$80.00
10.	Joint Trench	1	l.f.	\$250.00	\$250.00
11.	Landscape Corridor - Frontage	34	l.f.	\$8.00	\$272.00
12.	Sidewalk	10	s.f.	\$7.50	\$75.00
13.	Distribution Water	1	l.f.	\$155.00	\$155.00
		Co	onstructi	on Subtotal	\$1,521.30
	Soft Cost			20%	\$304.26
	Contingency			30%	\$456.39
			Constru	uction Total	\$2,281.95
				Use	\$2,280.00

PRELIMINARY

Wood Rodgers, Inc. J. Reed / A. Fischlin

Taken from Table A-1.2 of WJHMP WJHMP Backbone Estimate Preliminary Infrastructure Development Cost Estimate

Preliminary Cost Per Linear Foot

60' R.O.W. (2 Lane Collector)

	Item	Quantity	Unit	\$ / Unit	Per Ft Cost
1.	Subgrade Preparation	66	s.f	\$0.25	\$16.50
2.	Excavation (3')	12	c.y.	\$4.00	\$48.00
3.	4" Asphaltic Concrete Paving	54	s.f.	\$3.40	\$183.60
4.	12" Aggregate Base	54	s.f.	\$4.15	\$224.10
5.	Curb & Gutter, Type 2 (Vertical Curb)	2	l.f.	\$35.00	\$70.00
6.	Signing & Striping	6	l.f.	\$5.00	\$30.00
7.	Erosion Control	104	s.f.	\$0.15	\$15.60
8.	Local Drainage for Major Arterial (Drain, Leads & DI's)	1	l.f.	\$190.00	\$190.00
9.	Street Lights (Type A, 170' estimated spacing)	1	l.f.	\$80.00	\$80.00
10.	Joint Trench	1	l.f.	\$250.00	\$250.00
11.	Landscape Corridor - Frontage	34	l.f.	\$8.00	\$272.00
12.	Sidewalk	10	s.f.	\$7.50	\$75.00
13.	Distribution Water	1	l.f.	\$155.00	\$155.00
		Co	onstructi	on Subtotal	\$1,609.80
	Soft Cost			20%	\$321.96
	Contingency			30%	\$482.94
			Constr	uction Total	\$2,414.70
				Use	\$2,410.00

Taken from Table A-1.2 of WJHMP
WJHMP Backbone Estimate
Preliminary Infrastructure Development Cost Estimate

Preliminary Cost Per Linear Foot

108' R.O.W. with Expanded Median (Swale)

(2 Lane Modified Collector)

	Item	Quantity	Unit	\$ / Unit	Per Ft Cost
1.	Subgrade Preparation	70	s.f	\$0.25	\$17.50
2.	Excavation (3')	16	c.y.	\$4.00	\$64.00
3.	4" Asphaltic Concrete Paving	51	s.f.	\$3.40	\$173.40
4.	12" Aggregate Base	51	s.f.	\$4.15	\$211.65
5.	Curb & Gutter, Type 2 (Vertical Curb)	2	l.f.	\$35.00	\$70.00
6.	Signing & Striping	4	l.f.	\$5.00	\$20.00
7.	Erosion Control	140	s.f.	\$0.15	\$21.00
8.	Local Drainage for Major Arterial (Drain, Leads & DI's)	1	l.f.	\$190.00	\$190.00
9.	Street Lights (Type A, 170' estimated spacing)	1	l.f.	\$80.00	\$80.00
10.	Joint Trench	1	l.f.	\$250.00	\$250.00
11.	Landscape Corridor - Frontage	20	s.f.	\$8.00	\$160.00
12.	Landscape Corridor - Median	50	s.f.	\$12.00	\$600.00
13.	Sidewalk	12	s.f.	\$7.50	\$90.00
14.	Distribution Water	1	l.f.	\$155.00	\$155.00
		Co	onstructi	on Subtotal	\$2,102.55
	Soft Cost			20%	\$420.51
	Contingency			30%	\$630.77
			Constr	uction Total	\$3,153.83
				Use	\$3,150.00

Taken from Table A-1.2 of WJHMP
WJHMP Backbone Estimate
Preliminary Infrastructure Development Cost Estimate

Preliminary Cost Per Linear Foot

74' R.O.W. (4 Lane Arterial)

	Item	Quantity	Unit	\$ / Unit	Per Ft Cost
1.	Subgrade Preparation	68	s.f	\$0.25	\$17.00
2.	Excavation (3')	13	c.y.	\$4.00	\$52.00
3.	6" Asphaltic Concrete Paving	56	s.f.	\$5.10	\$285.60
4.	16" Aggregate Base	56	s.f.	\$4.80	\$268.80
5.	Curb & Gutter, Type 2 (Vertical Curb)	2	l.f.	\$35.00	\$70.00
6.	Curb, Type 5 (Median Curb)	2	l.f.	\$35.00	\$70.00
7.	Median Landscaping & Irrigation (turf & street trees)	12	s.f.	\$8.00	\$96.00
8.	Median Top Soil Import (18")	0.7	c.y.	\$35.00	\$24.50
9.	Signing & Striping	6	l.f.	\$5.00	\$30.00
10.	Erosion Control	114	s.f.	\$0.15	\$17.10
11.	Local Drainage for Major Arterial (Drain, Leads & DI's)	1	l.f.	\$190.00	\$190.00
12.	Street Lights (Type A, 210' estimated spacing)	1	l.f.	\$70.00	\$70.00
13.	Joint Trench	1	l.f.	\$250.00	\$250.00
14.	Traffic Signal Interconnect	1	l.f.	\$20.00	\$20.00
15.	Landscape Corridor - Frontage	30	l.f.	\$8.00	\$240.00
16.	Sidewalk	10	s.f.	\$7.50	\$75.00
17.	Distribution Water	1	l.f.	\$155.00	\$155.00
		Co	\$1,931.00		
	Soft Cost			20%	\$386.20
	Contingency			30%	\$579.30
			\$2,896.50		
				Use	\$2,900.00

Taken from Table A-1.2 of WJHMP
WJHMP Backbone Estimate
Preliminary Infrastructure Development Cost Estimate

Preliminary Cost Per Linear Foot

96' R.O.W.

(6 Lane Thoroughfare)

	Item	Quantity	Unit	\$ / Unit	Per Ft Cost
1.	Subgrade Preparation	90	s.f	\$0.25	\$22.50
2.	Excavation (3')	15	c.y.	\$4.00	\$60.00
3.	6" Asphaltic Concrete Paving	78	s.f.	\$5.10	\$397.80
4.	19" Aggregate Base	78	s.f.	\$5.70	\$444.60
5.	Curb & Gutter, Type 2 (Vertical Curb)	2	l.f.	\$35.00	\$70.00
6.	Curb, Type 5 (Median Curb)	2	l.f.	\$35.00	\$70.00
7.	Median Landscaping & Irrigation (turf & street trees)	12	s.f.	\$8.00	\$96.00
8.	Median Top Soil Import (18")	0.7	c.y.	\$35.00	\$24.50
9.	Signing & Striping	8	l.f.	\$5.00	\$40.00
10.	Erosion Control	136	s.f.	\$0.15	\$20.40
11.	Local Drainage for Major Arterial (Drain, Leads & DI's)	1	l.f.	\$190.00	\$190.00
12.	Street Lights (Type A, 210' estimated spacing)	1	l.f.	\$70.00	\$70.00
13.	Joint Trench	1	l.f.	\$250.00	\$250.00
14.	Traffic Signal Interconnect	1	l.f.	\$20.00	\$20.00
15.	Landscape Corridor - Frontage	30	l.f.	\$8.00	\$240.00
16.	Sidewalk	10	s.f.	\$7.50	\$75.00
17.	Distribution Water	1	l.f.	\$155.00	\$155.00
		Co	\$2,245.80		
	Soft Cost			20%	\$449.16
	Contingency		\$673.74		
			\$3,368.70		
				Use	\$3,370.00

Frontage Only Estimates
WJHMP Backbone Estimate
Preliminary Infrastructure Development Cost Estimate

Preliminary Cost Per Linear Foot Frontage Only - Collector and Arterial / Thoroughfare

Collector - Per Side 1 Sawcut 1 l.f. \$1.00 \$1.00 2 2' Asphalt Replacement 1 l.f. \$12.00 \$12.00 3 Curb and Gutter 1 l.f. \$35.00 \$35.00 4 Landscape 15 s.f. \$10.00 \$150.00 5 Sidewalk 5 s.f. \$45.00 \$40.00 6 Drainage Inlets and lateral 1 l.f. \$45.00 \$150.00 7 Local Drainage Main Line (one side only) 1 l.f. \$150.00 \$150.00 8 Street Lights (staggered at 220' spacing) 1 l.f. \$150.00 \$150.00 8 Street Lights (staggered at 220' spacing) 1 l.f. \$150.00 \$150.00 8 Stoft Cost 20% \$90.20 \$90.20 Contingency 30% \$135.00 \$31.00 1 Swotu 1 l.f. \$31.00 \$35.00 2 Arbapialt Replacement 1 l.f. \$32.00 \$35.00 3 Curb and Gutter <t< th=""><th></th><th>Item</th><th>Quantity</th><th>Ur</th><th>nit \$ / Unit</th><th>Per Ft Cost</th></t<>		Item	Quantity	Ur	nit \$ / Unit	Per Ft Cost	
2 2 Asphalt Replacement 1 I.f.					4		
Curb and Gutter 1 I.f. \$35.00	1						
Landscape	2	2' Asphalt Replacement	1	l.f.	\$12.00		
Sidewalk	3	Curb and Gutter	1	l.f.	\$35.00	\$35.00	
Drainage Inlets and lateral 1	4	Landscape	15	s.f.	\$10.00	\$150.00	
	5	Sidewalk	5	s.f.	\$8.00	\$40.00	
Street Lights (staggered at 220' spacing) 1 l.f. \$16.00 \$16.00 \$16.00 \$16.00 \$16.00 \$16.00 \$16.00 \$16.00 \$16.00 \$16.00 \$16.00 \$16.00 \$16.00 \$16.00 \$16.00 \$16.00 \$16.00 \$16.00 \$10.00 <td>6</td> <td>Drainage Inlets and lateral</td> <td>1</td> <td>l.f.</td> <td>\$45.00</td> <td>\$45.00</td>	6	Drainage Inlets and lateral	1	l.f.	\$45.00	\$45.00	
Soft Cost 20% \$90.20	7	Local Drainage Main Line (one side only)	1	l.f.	\$150.00	\$150.00	
Soft Cost 20% \$90.20 Contingency 30% \$135.30 Construction Total \$668.00 *** *** *** *** *** *** *** *** *** **	8	Street Lights (staggered at 220' spacing)	1	l.f.	\$16.00	\$16.00	
Contingency 30% \$135.30 Local prainage Main Line (one side only) Arterial / Thoroughfare - Per Side 1 I.f. \$3.00 \$3.00 Arterial / Thoroughfare - Per Side Arterial / Thoroughfare - Per Side 1 I.f. \$3.00 \$3.00 2 2' Asphalt Replacement 1 I.f. \$31.00 \$12.00 3 Curb and Gutter 1 I.f. \$35.00 \$35.00 4 Landscape 15 s.f. \$40.00 \$150.00 5 Sidewalk 5 s.f. \$8.00 \$40.00 6 Drainage Inlets and lateral 1 I.f. \$45.00 \$45.00 7 Local Drainage Main Line (one side only) 1 I.f. \$32.00 \$32.00 Soft Cost Cost Construction Subtotal \$467.00 Soft Cost 20% \$93.40 Contingency 30% \$140.10 Contingency 30% \$140.10 Contingency 30% \$140.10 Contingency 30% \$140.10			C	onstr	uction Subtotal	\$451.00	
Construction Total \$676.50 1-Side Use \$680.00 \$1,130.00		Soft Cost			20%	\$90.20	
1-Side Use \$680.00 \$1,130.00		Contingency			30%	\$135.30	
Part				Cor	struction Total	\$676.50	
Arterial / Thoroughfare - Per Side 1 Sawcut 1 l.f. \$3.00 \$3.00 2 2' Asphalt Replacement 1 l.f. \$12.00 \$12.00 3 Curb and Gutter 1 l.f. \$35.00 \$35.00 4 Landscape 15 s.f. \$10.00 \$150.00 5 Sidewalk 5 s.f. \$8.00 \$45.00 6 Drainage Inlets and lateral 1 l.f. \$45.00 \$45.00 7 Local Drainage Main Line (one side only) 1 l.f. \$32.00 \$32.00 8 Street Lights (paired at 220' spacing) 1 l.f. \$32.00 \$32.00 8 Soft Cost 20% \$93.40 \$93.40 Contingency 30% \$140.10 \$700.50 Contingency 1-Side Use \$700.50							
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2 2' Asphalt Replacement 1 l.f. \$12.00 \$12.00 3 Curb and Gutter 1 l.f. \$35.00 \$35.00 4 Landscape 15 s.f. \$10.00 \$150.00 5 Sidewalk 5 s.f. \$8.00 \$40.00 6 Drainage Inlets and lateral 1 l.f. \$45.00 \$45.00 7 Local Drainage Main Line (one side only) 1 l.f. \$150.00 \$150.00 8 Street Lights (paired at 220' spacing) 1 l.f. \$32.00 \$32.00 Construction Subtotal \$467.00 Contingency 30% \$140.10 Contingency 30% \$700.50 Liside Use \$700.50		Arterial / Thoroughfare	- Per Side				
3 Curb and Gutter 1 l.f. \$35.00 \$35.00 4 Landscape 15 s.f. \$10.00 \$150.00 5 Sidewalk 5 s.f. \$8.00 \$40.00 6 Drainage Inlets and lateral 1 l.f. \$45.00 \$45.00 7 Local Drainage Main Line (one side only) 1 l.f. \$150.00 \$150.00 8 Street Lights (paired at 220' spacing) 1 l.f. \$32.00 \$32.00 Construction Subtotal \$467.00 Contingency 30% \$140.10 Construction Total \$700.50 1-Side Use \$700.00	1	Sawcut	1	l.f.	\$3.00	\$3.00	
4 Landscape 15 s.f. \$10.00 \$150.00 5 Sidewalk 5 s.f. \$8.00 \$40.00 6 Drainage Inlets and lateral 1 l.f. \$45.00 \$45.00 7 Local Drainage Main Line (one side only) 1 l.f. \$150.00 \$150.00 8 Street Lights (paired at 220' spacing) 1 l.f. \$32.00 \$32.00 Construction Subtotal \$467.00 Soft Cost 20% \$93.40 Contingency 30% \$140.10 Construction Total \$700.50 1-Side Use \$700.00	2	2' Asphalt Replacement	1	l.f.	\$12.00	\$12.00	
5 Sidewalk 5 s.f. \$8.00 \$40.00 6 Drainage Inlets and lateral 1 l.f. \$45.00 \$45.00 7 Local Drainage Main Line (one side only) 1 l.f. \$150.00 \$150.00 8 Street Lights (paired at 220' spacing) 1 l.f. \$32.00 \$32.00 Construction Subtotal \$467.00 Soft Cost 20% \$93.40 Contingency 30% \$140.10 Construction Total \$700.50 1-Side Use \$700.00	3	Curb and Gutter	1	l.f.	\$35.00	\$35.00	
6 Drainage Inlets and lateral 1 I.f. \$45.00 \$45.00 7 Local Drainage Main Line (one side only) 1 I.f. \$150.00 \$150.00 8 Street Lights (paired at 220' spacing) 1 I.f. \$32.00 \$32.00 Construction Subtotal \$467.00 Soft Cost 20% \$93.40 Contingency 30% \$140.10 Construction Total \$700.50 1-Side Use \$700.00	4	Landscape	15	s.f.	\$10.00	\$150.00	
7 Local Drainage Main Line (one side only) 8 Street Lights (paired at 220' spacing) 1 I.f. \$150.00 \$150.00 Construction Subtotal \$467.00 Soft Cost Contingency 30% \$140.10 Construction Total \$700.50 1-Side Use \$700.00	5	Sidewalk	5	s.f.	\$8.00	\$40.00	
8 Street Lights (paired at 220' spacing) 1 l.f. \$32.00 \$32.00 Construction Subtotal \$467.00 Soft Cost 20% \$93.40 Contingency 30% \$140.10 Construction Total \$700.50 1-Side Use \$700.00	6	Drainage Inlets and lateral	1	l.f.	\$45.00	\$45.00	
Construction Subtotal \$467.00 Soft Cost 20% \$93.40 Contingency 30% \$140.10 Construction Total \$700.50 1-Side Use \$700.00	7	Local Drainage Main Line (one side only)	1	l.f.	\$150.00	\$150.00	
Soft Cost 20% \$93.40 Contingency 30% \$140.10 Construction Total \$700.50 1-Side Use \$700.00	8	Street Lights (paired at 220' spacing)	1	l.f.	\$32.00	\$32.00	
Contingency 30% \$140.10 Construction Total \$700.50 1-Side Use \$700.00			C	onstr	uction Subtotal	\$467.00	
Construction Total \$700.50 1-Side Use \$700.00		Soft Cost			20%	\$93.40	
1-Side Use \$700.00		Contingency			30%	\$140.10	
		Construction Total					
2-Sides Use \$1,180.00					1-Side Use	\$700.00	
					2-Sides Use	\$1,180.00	

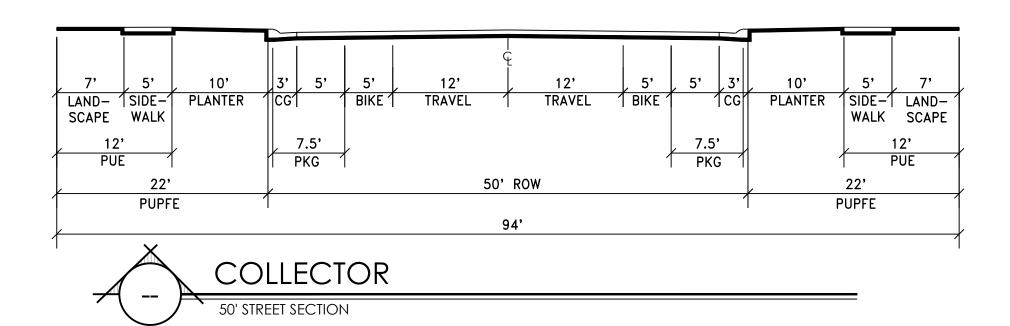


ATTACHMENT 3: BACKBONE ROADS AND SCDTF EXCLUDED FRONTAGE CROSS SECTION EXHIBITS

WEST JACKSON HIGHWAY MASTER PLAN

COUNTY OF SACRAMENTO, CALIFORNIA NOVEMBER 2023







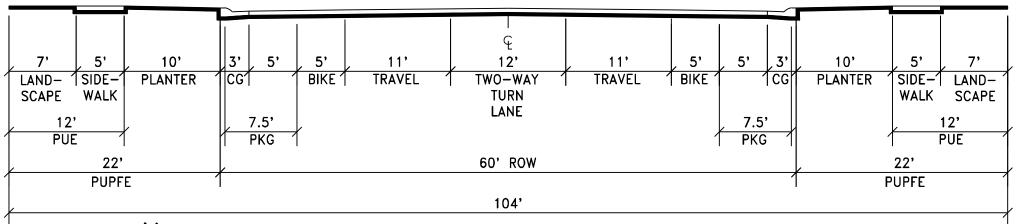
3741 DOUGLAS BLVD, STE 150 TEL 916.341.7760 Roseville, CA 95661

WEST JACKSON HIGHWAY MASTER PLAN

COUNTY OF SACRAMENTO, CALIFORNIA

JANUARY 2025







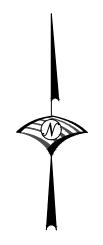


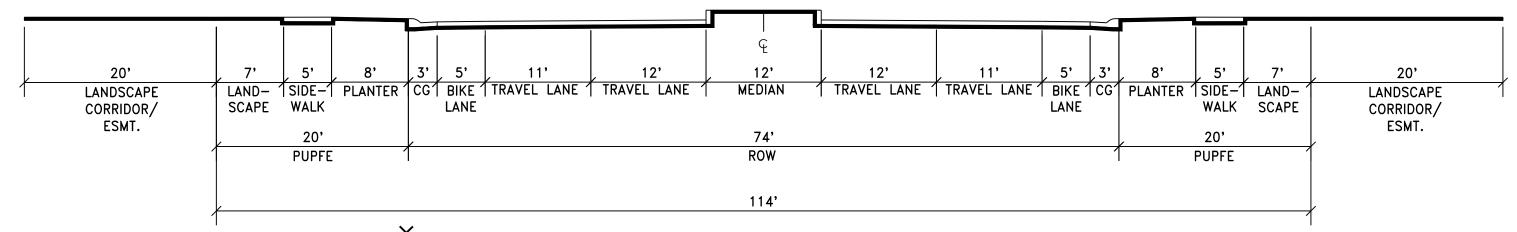
3741 DOUGLAS BLVD, STE 150 TEL 916.341.7760 ROSEVILLE, CA 95661 FAX 916.341.7767

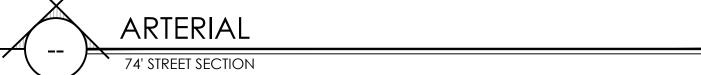
Page 101 of 220

WEST JACKSON HIGHWAY MASTER PLAN

COUNTY OF SACRAMENTO, CALIFORNIA NOVEMBER 2023







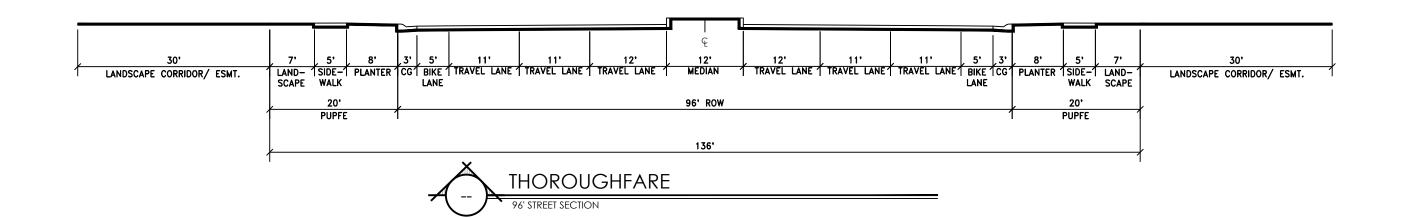


3741 DOUGLAS BLVD, STE 150 TEL 916.341.7760 ROSEVILLE, CA 95661

WEST JACKSON HIGHWAY MASTER PLAN

COUNTY OF SACRAMENTO, CALIFORNIA NOVEMBER 2023





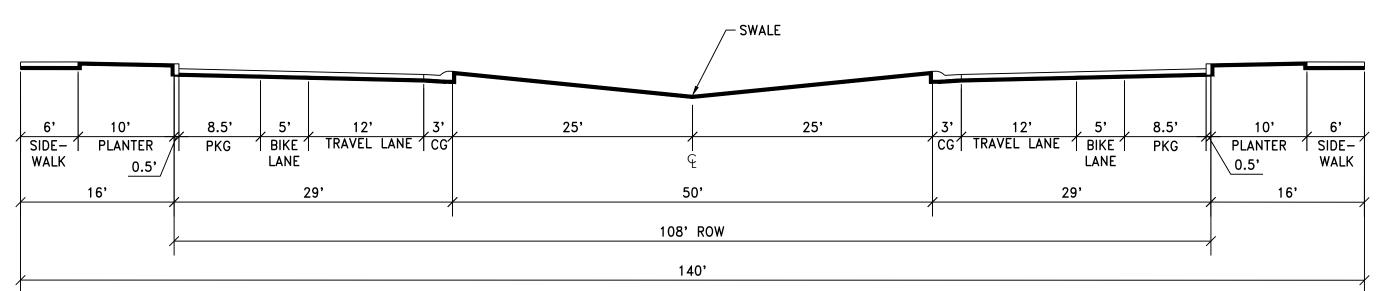


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WEST JACKSON HIGHWAY MASTER PLAN

COUNTY OF SACRAMENTO, CALIFORNIA **NOVEMBER 2023**







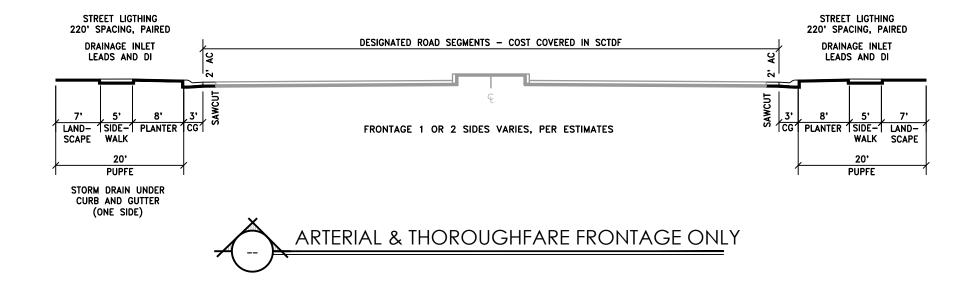


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ARTERIAL AND THOROUGHFARE FRONTAGE ONLY WEST JACKSON HIGHWAY MASTER PLAN

COUNTY OF SACRAMENTO, CALIFORNIA **NOVEMBER 2023**







3741 DOUGLAS BLVD, STE 150 TEL 916.341.7760 Roseville, CA 95661

FAX 916.341.7767



ATTACHMENT 4: BACKBONE ROADS AND INTERSECTIONS COST ESTIMATES



Preliminary Major (Backbone) Roadway Infrastructure

Updated: 11/9/2023

	Backbone			SCTDF Excluded		Total for Plan	
	Roadway Total			Frontage	Area		
Total Finance Area A Roadway	\$	27,330,000	\$	37,120,000	\$	64,450,000	
Total Finance Area B Roadway	\$	40,210,000	\$	15,280,000	\$	55,490,000	
Total Finance Area C Roadway	\$	25,650,000	\$	37,870,000	\$	63,520,000	
TOTAL ROADWAY INFRASTRUCTURE		93,190,000	\$	90,270,000	\$	183,460,000	

NOTES

- 1. Subgrade Preparation quantities include proposed paving and concrete work within the ROW plus an additional 3' contingency for work outside of ROW and within landscape medians.
- 2. Based on preliminary nature of studies, 30% contingency is applied.
- 3. Signing and Striping quantities are based on number of lanes and anticipated signage
- 4. Excavation quantities include anticipated earthwork activities within proposed roadway and landscape sections equal to width of corridor by 3' depth.
- 5. Estimate includes a 20% soft cost allowance. Assumed to be engineering (8%), mapping (1%), plan check (2%), inspection (3%), geotech (3%), and staking (3%).
- 6. Monumentation or other architectural features are not included in this estimate.
- 7. Pavement and concrete structural sections are assumed and not based on site specific geotechnical analysis.
- 8. Intract costs are not a part of this estimate.
- 9. Costs reflect 2023 dollars.
- 10. Quantities not explicitly detailed within are not included as part of this estimate.
- 11. Improvements included in SCTDF (roadway, intersections and applicable frontage) are not included in these estimates as the project will pay it's fair share.
- 12. Quantity for LF of road frontage match SCTDF segment lengths which also incorporate reductions for intersection offsets.
- 13. Backbone roadway segments and intersections included in the SCTDF are excluded from this estimate as the project is anticipated to pay its fair share cost which will be separate from a Plan Area cost. Frontages where excluded from SCTDF are included in this estimate.
- 14. Length of Road Segments that are not in SCTDF are reduced where applicable due to intersection leg lengtht that is included in the SCTDF program.

Preliminary Backbone Roadway Infrastructure Finance Area A

Identifie	r Description	Quan	tity	Unit		\$ / Unit		Total
	ot Included in SCTDF	Quali	шу	Offic		77 Omit		Total
Collector								
CONCCIO	Excelsior Road	3	,625	l F	\$	2,280	\$	8,265,000
	(From North Plan Bndy. to New Excelsior Road)	3,	,023	_,	Y	2,200	7	0,203,000
<u>Arterial</u>	(From Horal Flan Shay), to Hew Excelsion Roday							
<u>/ co</u>	Rock Creek Parkway East	6.	,575	LF	\$	2,900	\$	19,067,500
	(From Jackson Rd. To Kiefer Rd.)	-,	,			,	•	-,,
	,				SUB	TOTAL	\$	27,330,000
Frontages	s Not Included in SCTDF							
<u>Arterial</u>								
Mayhew	Road (From North Plan Boundary to Kiefer Road)							
	Segment 1005 (Partial) 2.5	Sides 2,	,400	LF	\$	1,180	\$	2,832,000
	Segment 1006 2.5	Sides 2,	,070	LF	\$	1,180	\$	2,442,600
Kiefer Roa	ad (From Rock Creek Parkway East to Excelsior Road	d)						
	Segment 265 2 S	Sides 2,	,800	LF	\$	1,180	\$	3,304,000
Excelsior	Road (from South FAA to Rock Creek Parkway East)							
			,340		\$	1,180	\$	1,581,200
			370		\$	1,180	\$	436,600
	3		,000		\$	1,180	\$	1,180,000
	3		,000		\$	1,180	\$	1,180,000
			500		\$	1,180	\$	590,000
	Segment 134 1	Side	460	LF	\$	700	\$	322,000
Theresials	fore							
Thorough	<u>nare</u> [,] Road (From Jackson Rd. To North FAA, excluding g	ran)						
Diausilaw	,	• •	425	16	ċ	700	\$	207 500
			820		\$ ¢	700	۶ \$	297,500
			820		\$ \$	700	۶ \$	574,000 574,000
	_		820		۶ \$	1,180	۶ \$	967,600
	Jeginent 41	Sides	02U	LI	٦	1,100	ڔ	907,000
Kiefer Roa	ad (From Bradshaw Rd. To Rock Creek Pkwy. East)							
		Sides	350	I F	\$	1,180	\$	413,000
	_		350		\$	1,180	\$	413,000
	_	Sides	350		\$	1,180	\$	413,000
	_	Sides	350		\$	1,180	\$	413,000
	_		,840		\$	1,180	\$	2,171,200
		-)	•		•	_,0	•	, _,
Mayhew	Road (From Jackson Rd. To Kiefer Rd.)							
	Segment 305 2.5	Sides	940	LF	\$	1,180	\$	1,109,200
	Segment 306 2.5	Sides 1,	,500	LF	\$	1,180	\$	1,770,000
	_		,090		\$	1,180	\$	3,646,200

PRELIMINARY							
Jackson Highway (From West FAA To Excelsior Rd.)							
Segment 240	2 Sides	1,770 LF	\$	1,180	\$	2,088,600	
Segment 241	2 Sides	870 LF	\$	1,180	\$	1,026,600	
Segment 242	2 Sides	1,370 LF	\$	1,180	\$	1,616,600	
Segment 243	2 Sides	1,370 LF	\$	1,180	\$	1,616,600	
Segment 244	2 Sides	1,770 LF	\$	1,180	\$	2,088,600	
Segment 245	2 Sides	870 LF	\$	1,180	\$	1,026,600	
Segment 246	2 Sides	870 LF	\$	1,180	\$	1,026,600	
			SUBT	TOTAL	\$	37,120,000	



Preliminary Backbone Roadway Infrastructure Finance Area B

Identifier Description		Quantity	Unit	\$ / Unit	Total
Roads Not Included in SCTDF		•			
Collector					
Hedge Avenue		5,375 LF	\$	2,280	\$ 12,255,000
(From Morrison Creek To Jackson Ro	d.)				
Rock Creek Parkway		8,875 LI	\$	3,150	\$ 27,956,250
(From South Watt Ave. To Bradshav	v Rd.)				
			SU	IBTOTAL	\$ 40,210,000
Frontages Not Included in SCTDF					
<u>Arterial</u>					
Fruitridge Road (From South Watt Ave. To May	hew Rd.)				
Segment 177	2 Sides	1,140 LF	\$	1,180	\$ 1,345,200
Segment 178	2 Sides	1,670 LF	= \$	1,180	\$ 1,970,600
Segment 179	2 Sides	1,670 LF		1,180	\$ 1,970,600
<u>Thoroughfare</u>					
Mayhew Road (From South FAB To Fruitridge R	d.)				
Segment 309	2 Sides	650 LF	\$	1,180	\$ 767,000
Bradshaw Road (From South FAB To Jackson Ro	i.)				
Segment 42	2 Sides	650 LF	\$	1,180	\$ 767,000
South Watt Ave (From South FAB To Jackson Ro	d., excluding gap)				
Segment 345	1 Side	1,475 LI	\$	700	\$ 1,032,500
Segment 346	1 Side	1,475 LF		700	\$ 1,032,500
Segment 347 (Partial)	2 Sides	2,150 LF	\$	1,180	\$ 2,537,000
Mayhew Road (From Fruitridge Rd. To Jackson	Rd.)				
Segment 307	2 Sides	110 LF	= \$	1,180	\$ 129,800
Segment 308	2 Sides	110 LI	\$	1,180	\$ 129,800
Jackson Highway (From West FAB To East FAB)					
Segment 237	1 Side	1,490 LF		700	\$ 1,043,000
Segment 238	1 Side	1,825 LF		700	\$ 1,277,500
Segment 239	1 Side	1,825 LF		700	\$ 1,277,500
			SL	JBTOTAL	\$ 15,280,000
TOTAL FINANCE AREA B ROADWAY					\$ 55,490,000

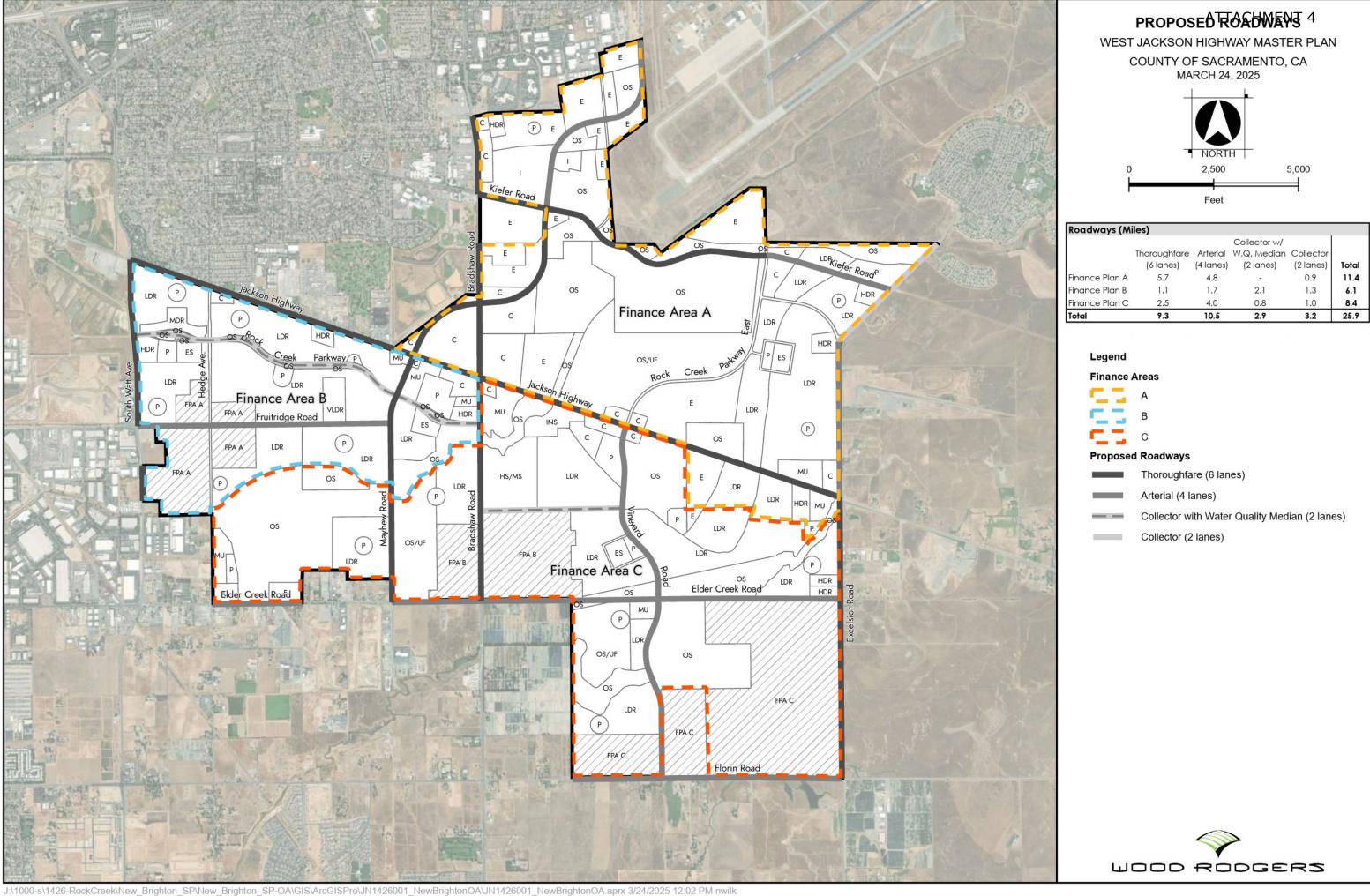


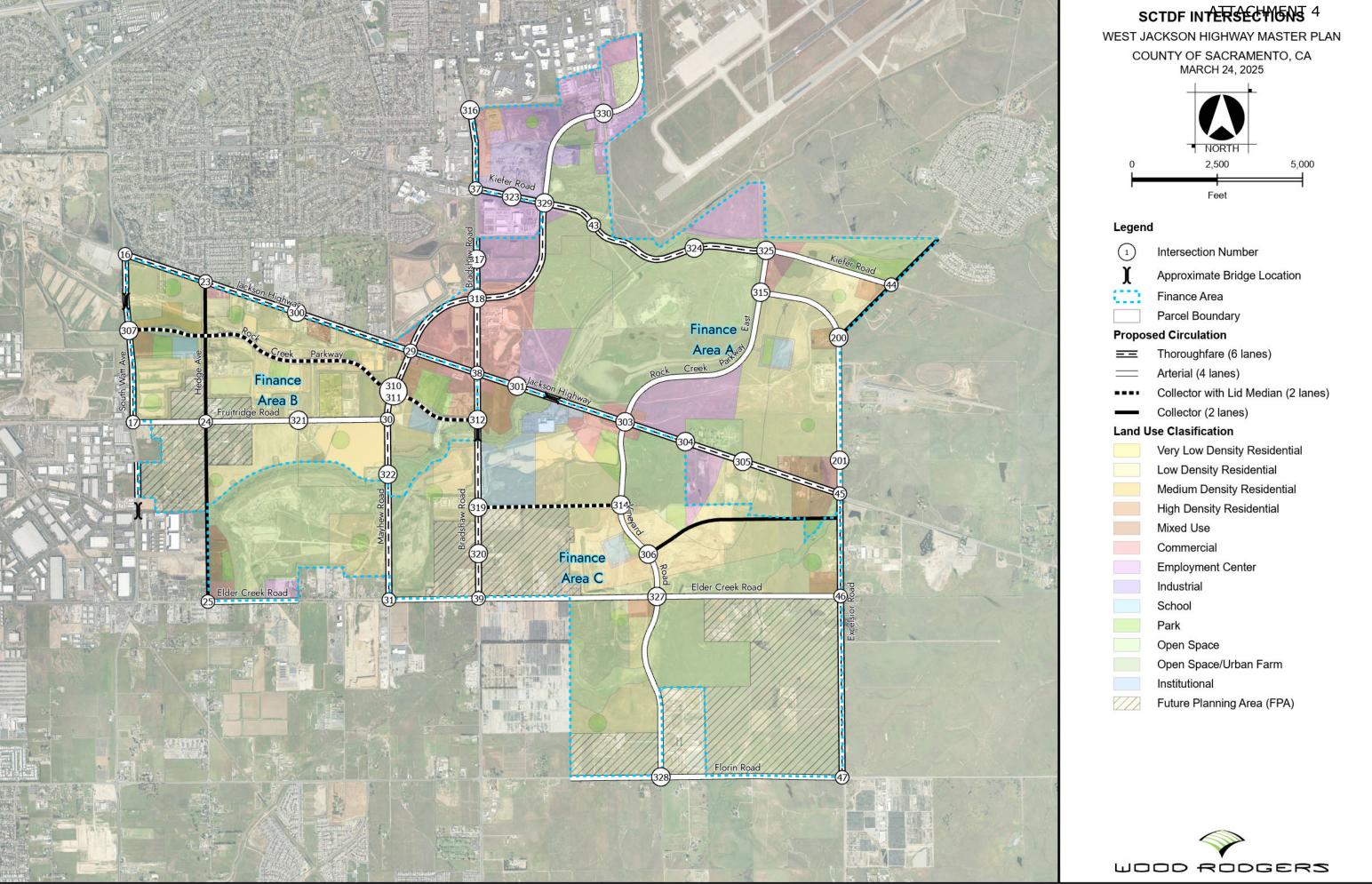
Preliminary Backbone Roadway Infrastructure Finance Area C

Identifier Description		Quantity	Unit	Ş	/ Unit		Total
Roads Not Included in SCTDF							
<u>Collector</u>							
Hedge Avenue		2,050	LF	\$	2,280	\$	4,674,000
(From Elder Creek Rd. To North FAC)							
Collector Road Area C		5,450	LF	\$	2,280	\$	12,426,000
(From Vineyard Rd. To Excelsior Rd.)							
Collector Road with LID Median Area C		3,750	LF	\$	2,280	\$	8,550,000
(From Bradshaw Rd. To Vineyard Rd.)							
				SUBT	OTAL	\$	25,650,000
Frontages Not Included in SCTDF							
<u>Arterial</u>							
Mayhew Road (From Elder Creek Rd. To North FAC)		_		_		_	
Segment 310	2 Sides	2,600	LF	\$	1,180	\$	3,068,000
Vineyard Road (From Florin Rd. To Jackson Rd.)							
Segment 372	2 Sides	790		\$	1,180	\$	932,20
Segment 373	2 Sides	2,620		\$	1,180	\$	3,091,60
Segment 374	2 Sides	4,270	LF	\$	1,180	\$	5,038,600
<u>Thoroughfare</u>							
Bradshaw Road (From Elder Creek Rd. To North FAC)							
Segment 43	2 Sides	650	LF	\$	1,180	\$	767,00
Segment 44	2 Sides	650	LF	\$	1,180	\$	767,00
Segment 45	2 Sides	650	LF	\$	1,180	\$	767,000
Excelsior Road (From Elder Creek Rd. To North FAC)							
Segment 135	1 Side	460	LF	\$	700	\$	322,000
Segment 136	1 Side	4,330	LF	\$	700	\$	3,031,000
Elder Creek Road (From Hedge Rd. To Excelsior Rd., e	excluding gap)						
Segment 98 (Partial)	2 Sides	2,140		\$	1,180	\$	2,525,20
Segment 99	2 Sides	1,640		\$	1,180	\$	1,935,20
Segment 100	2 Sides	4,280	LF	\$	1,180	\$	5,050,40
Segment 101	2 Sides	4,280	LF	\$	1,180	\$	5,050,40
Florin Road (From West FAC To Excelsior Rd.)							
Segment 164 (Partial)	2 Sides	2,140	LF	\$	1,180	\$	2,525,200
Segment 165	1 Side	4,280	LF	\$	700	\$	2,996,000
				SUBT	OTAL	\$	37,870,000



ATTACHMENT 5: BACKBONE ROADS SCTDF SEGMENT ESTIMATES







ATTACHMENT 6: BACKBONE TRAILS UNIT PRICE DEVELOPMENT AND COST ESTIMATES

Engineer's Opinion of Preliminary Cost Preliminary Backbone Trails

TOTAL TRAILS	\$ 40,198,571
Total Finance Area C Trails	\$ 10,768,836
Total Finance Area B Trails	\$ 10,127,637
Total Finance Area A Trails	\$ 19,302,098
Updated: 10/3/2023	

NOTES

- 1. Subgrade Preparation quantities include proposed paving and shoulders plus an additional 5' each side.
- 2. Estimate includes a 20% soft cost allowance. Assumed to be engineering (8%), mapping (1%), plan check (2%), inspection (3%), geotech (3%), and staking (3%).
- 3. Based on preliminary nature of studies, 30% contingency is applied.
- 4. Costs reflect 2023 dollars.
- 5. Quantities not explicitly detailed within are not included as part of this estimate.

Cost per Foot - Conventional Trails - 10' T	rail with 2' Shoulder on	Each	<u>Side</u>			
Rough Grading	24	SF	\$	1.25	\$	30.00
3" AC	10	SF	\$	4.00	\$	40.00
8.5" AB	10	SF	\$	5.00	\$	50.00
2' DG Shoulder - Left	2	SF	\$	13.50	\$	27.00
2' DG Shoulder- Right	2	SF	\$	13.50	\$	27.00
Striping	1	LF	\$	10.00	\$	10.00
Soft Costs				20%	\$	36.80
Contingency				30%	\$	66.24
					\$	287.04
Cost Per Foot - Regional Trails with 12' Tr	ail with 2' Shoulder on I	Each	<u>Side</u>			
Rough Grading	26	LF	\$	1.50	\$	39.00
3" AC	12	SF	\$	4.00	\$	48.00
8.5" AB	12	SF	\$	5.00	\$	60.00
2' DG Shoulder - Left	2	SF	\$	13.50	\$	27.00
2' DG Shoulder- Right	2	SF	\$	13.50	\$	27.00
Striping	1	LF	\$	10.00	\$	10.00
Soft Costs				20%	\$	42.20
Contingency				30%	\$	75.96
					Ś	329.16

Preliminary Backbone Trails Finance Area A

Identifier	Description	Quantity	Unit	\$ / Unit	Total
	Conventional Trails				
MRT-A	Mayhew Road Trail A	13,365	LF	\$ 287.04	\$ 3,836,290
BRT-A	Bradshow Road Trail A	2,160	LF	\$ 287.04	\$ 620,006
ERT-A	Excelsior Road Trail A	9,635	LF	\$ 287.04	\$ 2,765,630
					\$ 7,221,926
	Regional Trails				
KRT-A	Kiefer Road Trail A	12,975	LF	\$ 329.16	\$ 4,270,851
RCPET-A	Rock Creek Parkway East Trail A	9,625	LF	\$ 329.16	\$ 3,168,165
JHT-A	Jackson Highway Trail A	13,270	LF	\$ 329.16	\$ 4,367,953
ECT-A	Elder Creek Trail A	830	LF	\$ 329.16	\$ 273,203
					\$ 12,080,172
TOTAL FIN	ANCE AREA A TRAILS				\$ 19,302,098

Preliminary Backbone Trails Finance Area B

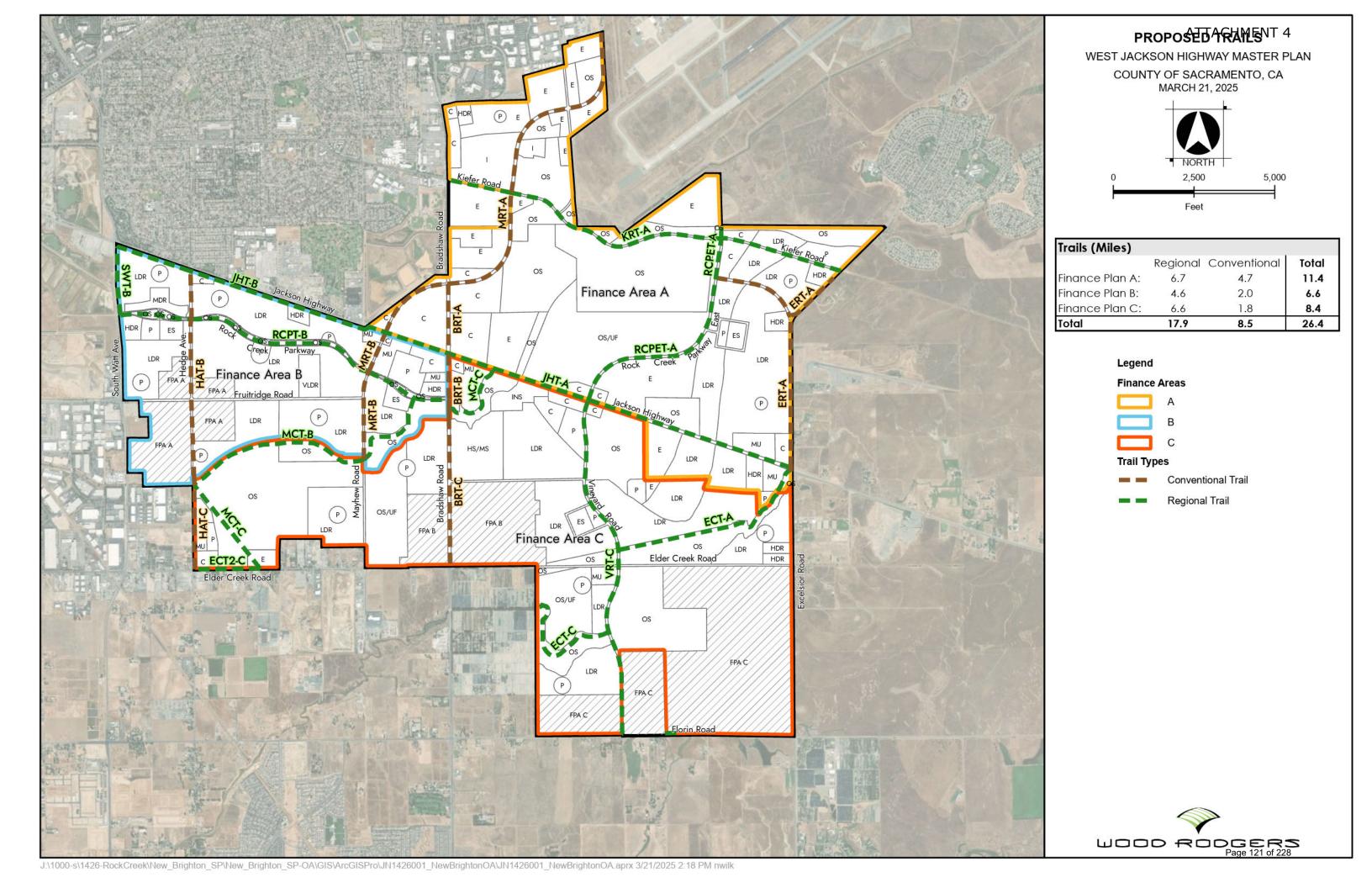
Identifier	Description	Quantity	Unit	\$ / Unit	Total
	Conventional Trails				
HAT-B	Hedge Avenue Trail B	6,740	LF	\$ 287.04	\$ 1,934,650
MRT-B	Mayhew Road Trail B	4,130	LF	\$ 287.04	\$ 1,185,475
BRT-B	Bradshaw Road Trail B	2,000	LF	\$ 287.04	\$ 574,080
					\$ 3,694,205
	Regional Trails				
RCPT-B	Rock Creek Parkway Trail B	10,870	LF	\$ 329.16	\$ 3,577,969
MCT-B	Morrision Creek Trail B	8,675	LF	\$ 329.16	\$ 2,855,463
					\$ 6,433,432
TOTAL FIN	ANCE AREA B TRAILS				\$ 10,127,637

Preliminary Backbone Trails Finance Area C

Identifier	Description	Quantity	Unit	\$ / Unit	Total
	Conventional Trails				
BRT-C	Bradshaw Road Trail C	4,650	LF	\$ 287.04	\$ 1,334,736
HAT-C	Hedge Avenue Trail C	2,570	LF	\$ 287.04	\$ 737,693
					\$ 2,072,429
	Regional Trails				
VRT-C	Vineyard Road Trail C	10,875	LF	\$ 329.16	\$ 3,579,615
ECT-C	Elder Creek Trail C	9,755	LF	\$ 329.16	\$ 3,210,956
MCT-C	Morrision Creek Trail C	5,790	LF	\$ 329.16	\$ 1,905,836
					\$ 8,696,407
TOTAL FIN	ANCE AREA C TRAILS				\$ 10,768,836



ATTACHMENT 7: BACKBONE TRAILS EXHIBIT



DRAFT

Memorandum



To: StoneBridge Properties, LLC

Granite Construction Company

From: Iason Reed, PE

Cc: Mike Motroni, PE

Date: January 30, 2025

Subject: West Jackson Highway Master Plan: Backbone Infrastructure Estimate Narrative

Introduction

West Jackson Highway Master Plan (WJHMP) covers approximately 5,913 acres of land in Sacramento County straddling Jackson Highway, between South Watt Avenue and Excelsior Road. To date, various iterations of master studies have been prepared and approved in support of entitlement for WJHMP, addressing major infrastructure needs of water, sewer, drainage, and flood control. The studies have evolved through multiple revisions to satisfy agency comments as well as to reflect the latest land use plan:

- Drainage Master Study: December 2, 2022, approved
- Master Sewer Study: approved June 14, 2017; Amendment approved March 30, 2023
- Master Water Study for SCWA: approved March 20, 2019; refreshed and approved January 31, 2023
- Master Water Study for CalAm: approved December 31, 2018; refreshed and approved February 3, 2023

The proposed infrastructure presented in the studies were used as basis for the attached backbone cost estimates and exhibits. This memorandum summarizes the status of each study as of September, 2023. Quantities are appropriate as a large-scale estimate, based on schematic proposed trunk alignments.

Estimates do not include backbone roads, trails, or mass grading. Additionally, these costs do not include potential grading of off-site utility alignments for placement of utilities.

Drainage

The drainage master study for WJHMP has been in review with the Sacramento County Department of Water Resources (SCDWR) since 2014. A fourth submittal draft of the WJHMP Master Drainage and Flood Control Study was submitted on December 2, 2022 and has since been approved. The master drainage study addresses the existing conditions, planned drainage improvements (trunk lines, detention basins, and pump stations), planned flood control improvements for the Morrison and Elder Creek systems, and how proposed improvements align with current regulations and storm drain management standards. The drainage conditions modeled are for Alternative 1A of the current Land Use Plan, which is dated August 31, 2021. The

other two Alternatives, 1B and 1C, were not evaluated, as they propose less intensive land use and will produce less runoff.

Cost estimates were prepared for major drainage infrastructure for each of the three proposed Finance Areas, A, B, and C. Basin sizes account for possible expansion for climate change. Note that while flood control and levee improvements along Morrison Creek and Elder Creek were analyzed in the master study, they are not included in these cost estimates and are provided under separate memorandum. Similarly, the plugging of existing mining tunnels that cross beneath existing roads are included in the separate flood control memorandum.

Sewer

A Master Sewer Study was previously prepared by Wood Rodgers based on the Land Use Plan dated April 3, 2017, and it was approved by SASD in June 2017. However, it required amendment to bring proposed trunk sewer alignments up to date with the latest land use, Alternative 1C, which is dated January 17, 2022. The amendment has been approved on March 30, 2023. Alternative 1C is a variation that considers development footprint based upon a draft noise contour associated with Mather Airfield. As part of the "refresh" effort, sewer calculations were revised to meet current SASD Standards and Specifications dated November 30, 2021. Proposed facilities and major shed delineations were also re-evaluated and found to be consistent with SASD's System Capacity Plan (SCP) 2020 Update.

The 2022 Amendment to the Approved West Jackson Highway Master Plan Sewer Study, approved March 30, 2023, documents a slight overall decrease in sewer flow contribution expected from the project to the regional sewer interceptors and wastewater treatment plant. The Amendment includes an updated sewer facility and shed exhibit, updated sewer flow calculations, and a comparison of land use and ESD's between the 2017 and 2022 analyses. The grading plan was revised in November 2022 to capture existing topography, and as a result, an additional sewer lift station is proposed on Vineyard Road north of Elder Creek Road.

Cost estimates for major sewer infrastructure are based on the revised 2022 trunk sewer layout (includes 12-inch and larger sewer facilities and public lift stations). Estimates are broken up into Finance Areas A, B, and C. Quantities are appropriate as a large-scale estimate, based on schematic proposed trunk alignments.

Water

The planning area has two domestic water purveyors. The northwest portion of the plan area is served by California-American Water (CalAm) as part of the Suburban-Rosemont System. The remaining area is served by Sacramento County Water Agency as part of Zone 40 (Central Service Area).

Previously, a Level 1 Domestic Water Study dated August 22, 2018, was approved by CalAm on December 31, 2018. A separate Level 1 Domestic Water Study for Zone 40, dated March 13, 2019, was approved by SCWA on March 20, 2019. Both studies were given a refresh in October 2022 to reflect the January 2022 Land Use Alternative 1C and have been approved. Other than land use, all other assumptions remained unchanged from the previously approved study, including modeling assumptions for the CalAm area. (The plan area is estimated to require 519 acre-ft less (8% decrease) water annually from SCWA, and 72 acre-ft more (2.4% increase) from CalAm.) The studies show that the proposed water facilities are sufficiently designed to meet domestic and fire water needs for the project.

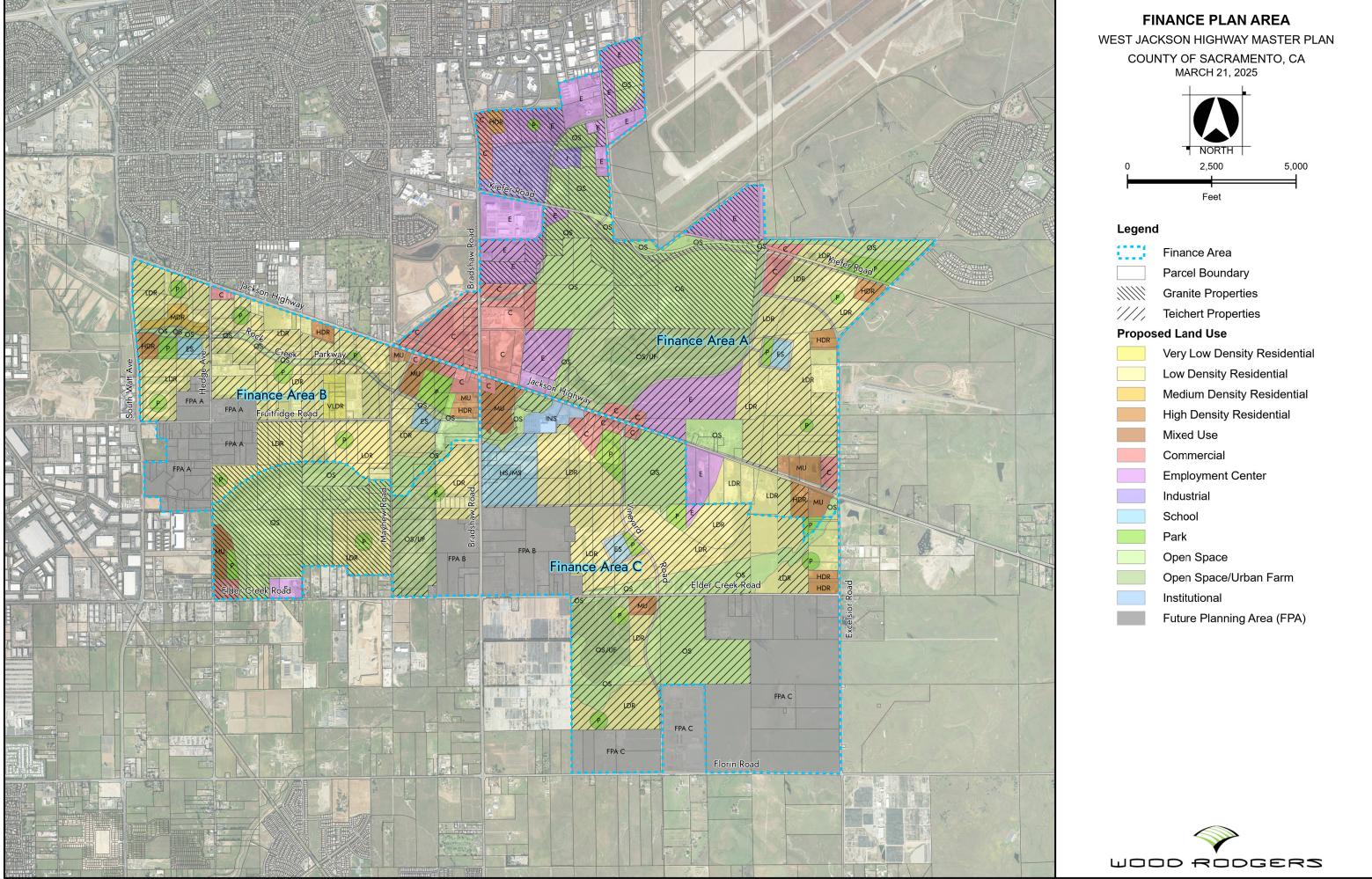
Cost estimates for major (transmission) water infrastructure are based on the 2022 backbone main layout. Quantities for the estimates are organized by Finance Areas (A, B, and C) and by water purveyor (Cal-Am or SCWA).

Attachments

- 1. Finance Plan Area Exhibit
- 2. Drainage Backbone Cost Estimates
- 3. Drainage Backbone Exhibits with Segment Key Mapping
- 4. Sewer Backbone Cost Estimates
- 5. Sewer Backbone Exhibits with Segment Key Mapping
- 6. Water Backbone Cost Estimates
- 7. Water Backbone Exhibits with Segment Key Mapping



ATTACHMENT 1: FINANCE PLAN AREA EXHIBIT





ATTACHMENT 2: DRAINAGE BACKBONE COST ESTIMATES

Preliminary Major (Backbone) Drainage Infrastructure

TOTAL DRAIN INFRASTRUCTURE	\$ 149,900,000
Total Finance Area C Drain	\$ 38,490,000
Total Finance Area B Drain	\$ 39,400,000
Total Finance Area A Drain	\$ 72,010,000
Updated: 1/30/2025	

NOTES

- 1. Unit cost for the same size pipe / manhole vary due to proposed depth of infrastructure.
- 2. Based on preliminary nature of studies, 30% contingency is applied.
- 3. Estimate based on level one drainage master study for WJHMP dated December 2022.
- 4. Estimate only includes 24-inch mains or greater and manholes required for their alignments, as it is intended to serve broad areas of development.
- 5. Estimate includes a 20% soft cost allowance. Assumed to be engineering (8%), mapping (1%), plan check (2%), inspection (3%), geotech (3%), and staking (3%).
- 6. Basin sizes account for possible expansion for climate change.
- Detention basin cost is estimated as a sum of excavation, limited landscaping, vehicle access road and fencing. WJP1 basin Excavation costs based on preliminary grading analysis dated July 2020. Allowance for miscellaneous costs is also provided.
- 8. Cost of drainage pump stations with pumping capacity up to 40 cfs is estimated at \$750,000 base cost plus \$50,000 per CFS. For drainage pump stations with capacity beyond 40 cfs, cost is estimated based on data provided from WR team.
- 9. Estimate excludes flood control, levee improvements, and closure of existing mining tunnels that cross
- 10. Costs reflect 2023 dollars.
- 11. Quantities not explicitly detailed within are not included as part of this estimate.

Preliminary Backbone Drain Infrastructure Finance Area A

Identifier	Description	Quantity Unit	\$ / Unit	Total
WJP1		,		
	Drainage Pump Station- Drains WJP1 - 195 CFS	1 EA	\$ 5,520,000	\$ 5,520,000
	Detention Basin - WJP1 - Excavation	600,000 CY	\$ 6	\$ 540,000
	Detention Basin - Miscellaneous / Allowance	1 LS	\$ 3,000,000	\$ 3,000,000
	36" Drain Pipe	2,300 LF	\$ 200	\$ 460,000
	42" Drain Pipe	5,300 LF	\$ 225	\$ 1,192,500
	48" Drain Pipe	2,100 LF	\$ 250	\$ 525,000
	54" Drain Pipe	1,200 LF	\$ 300	\$ 360,000
	60" Drain Pipe	1,100 LF	\$ 395	\$ 434,500
	66" Drain Pipe	2,000 LF	\$ 450	\$ 900,000
	60" Manhole	6 EA	\$ 10,000	\$ 60,000
	72" Manhole	14 EA	\$ 13,000	\$ 182,000
	84" Manhole	3 EA	\$ 17,500	\$ 52,500
	96" Manhole	3 EA	\$ 30,000	\$ 90,000
	Junction Box	5 EA	\$ 30,000	\$ 150,000
	Trash Capture	1 EA	\$ 500,000	\$ 500,000
	54" Outlet Structure/ Trash Rack	1 EA	\$ 21,500	\$ 21,500
	Soft Costs		20%	\$ 2,797,600
	Contingency		30%	\$ 5,035,680
WJP2				
	Drainage Pump Station- Drains WJP2 - 8 CFS	1 EA	\$ 1,150,000	\$ 1,150,000
	Detention Basin - WJP2 - Excavation	107 Ac-Ft	\$ 9,680	\$ 1,033,630
	Detention Basin - Miscellaneous	8 AC	\$ 100,000	\$ 830,000
	24" Drain Pipe	200 LF	\$ 105	\$ 21,000
	30" Drain Pipe	1,100 LF	\$ 145	\$ 159,500
	36" Drain Pipe	400 LF	\$ 200	\$ 80,000
	42" Drain Pipe	500 LF	\$ 225	\$ 112,500
	48" Drain Pipe	700 LF	\$ 250	\$ 175,000
	60" Drain Pipe	1,600 LF	\$ 395	\$ 632,000
	72" Drain Pipe	1,300 LF	\$ 520	\$ 676,000
	48" Manhole	1 EA	\$ 9,500	\$ 9,500
	60" Manhole	4 EA	\$ 10,000	\$ 40,000
	72" Manhole	3 EA	\$ 13,000	\$ 39,000
	84" Manhole	4 EA	\$ 17,500	\$ 70,000
	Junction Box	4 EA	\$ 30,000	\$ 120,000
	Trash Capture	1 EA	\$ 500,000	\$ 500,000
	24" Outlet Structure/ Trash Rack	1 EA	\$ 9,500	\$ 9,500
	Soft Costs		20%	\$ 1,131,526
	Contingency		30%	\$ 2,036,747
				\$ 8,830,000

WJP6				
	Drainage Pump Station- Drains WJP6 - 8 CFS	1 EA	\$ 1,150,000	\$ 1,150,000
	Detention Basin - WJP6 - Excavation	82 Ac-Ft	\$ 9,680	\$ 792,502
	Detention Basin - Miscellaneous	9 AC	\$ 100,000	\$ 860,000
	24" Drain Pipe	2,500 LF	\$ 105	\$ 262,500
	30" Drain Pipe	3,800 LF	\$ 145	\$ 551,000
	42" Drain Pipe	700 LF	\$ 225	\$ 157,500
	48" Manhole	6 EA	\$ 9,500	\$ 57,000
	60" Manhole	9 EA	\$ 10,000	\$ 90,000
	72" Manhole	2 EA	\$ 13,000	\$ 26,000
	Trash Capture	1 EA	\$ 500,000	\$ 500,000
	24" Outlet Structure/ Trash Rack	1 EA	\$ 9,500	\$ 9,500
	Soft Costs		20%	\$ 891,200
	Contingency		30%	\$ 1,604,161
				\$ 6,950,000
WJG1				
	Drainage Pump Station- Drains WJG106 - 1 CFS	1 EA	\$ 800,000	\$ 800,000
	Detention Basins (WJG102, 104, 105, 106, 107, 108) -			
	Excavation	58 Ac-Ft	\$ 9,680	\$ 559,504
	Detention Basin - Miscellaneous	9 AC	\$ 100,000	\$ 910,000
	30" Drain Pipe	400 LF	\$ 145	\$ 58,000
	42" Drain Pipe	1,200 LF	\$ 225	\$ 270,000
	48" Drain Pipe	1,200 LF	\$ 250	\$ 300,000
	60" Drain Pipe	3,900 LF	\$ 395	\$ 1,540,500
	60" Manhole	2 EA	\$ 10,000	\$ 20,000
	72" Manhole	3 EA	\$ 13,000	\$ 39,000
	96" Manhole	8 EA	\$ 30,000	\$ 240,000
	Junction Box	1 EA	\$ 30,000	\$ 30,000
	Trash Capture	5 EA	\$ 500,000	\$ 2,500,000
	30" Outlet Structure/ Trash Rack	3 EA	\$ 5,000	\$ 15,000
	42" Outlet Structure/ Trash Rack	1 EA	\$ 16,000	\$ 16,000
	60" Creek Outfall / Trash Rack	1 EA	\$ 23,500	\$ 23,500
	Soft Costs		20%	\$ 1,459,601
	Contingency		30%	 2,394,331
				\$ 10,380,000

WJG2

Assume No Improvements to Existing 10 CFS Drainage Pump Station (See Figure 6.7, WJG207) Existing trunkline is Bradshaw Road is anticipated to have capacity to drain WJG201. As Nolte analysis of **Detention Basins - Excavation** 108 Ac-Ft \$ 9,680 \$ 1,049,990 Detention Basin - Miscellaneous 18 AC 100,000 \$ 1,750,000 \$ 550 LF 24" Drain Pipe \$ 105 \$ 57,750 30" Drain Pipe 630 LF 145 \$ \$ 91,350 36" Drain Pipe 2,200 LF 200 \$ 440,000 \$ 1,340 LF 250 \$ 48" Drain Pipe \$ 335,000 810 LF 54" Drain Pipe 300 \$ 243,000 \$ 5,700 LF 60" Drain Pipe 395 \$ 2,251,500 \$ 48" Manhole 3 EA \$ 9,500 \$ 28,500 60" Manhole 7 EA \$ 10,000 \$ 70,000 72" Manhole 4 EA \$ 13,000 52,000 84" Manhole 3 EA \$ 17,500 \$ 52,500 96" Manhole 13 EA \$ 30,000 \$ 390,000 Trash Capture 4 EA \$ 500,000 \$ 2,000,000 24" Outlet Structure/ Trash Rack 2 EA \$ 9,500 \$ 19,000 \$ 5,000 \$ 30" Outlet Structure/ Trash Rack 1 EA 5,000 60" Creek Outfall / Trash Rack 1 EA \$ 23,500 \$ 23,500 **Soft Costs** 20% \$ 1,767,118 Contingency 30% \$ 3,187,862

\$ 13,810,000

WJG3					
	Detention Basins - Excavation	24 Ac-Ft	\$ 9,680	\$	230,384
	Detention Basin - Miscellaneous / Allowance	1 LS	\$ 1,500,000	\$	1,500,000
	30" Drain Pipe	160 LF	\$ 145	\$	23,200
	54" Drain Pipe	810 LF	\$ 300	\$	243,000
	60" Manhole	2 EA	\$ 10,000	\$	20,000
	96" Manhole	3 EA	\$ 30,000	\$	90,000
	Trash Capture	1 EA	\$ 500,000	\$	500,000
	30" Creek Outfall / Trash Rack	1 EA	\$ 5,000	\$	5,000
	Soft Costs		20%	\$	522,317
	Contingency		30%	\$	940,170
				\$	4,070,000
WJG6					
	Detention Basin	16 Ac-Ft	\$ 9,680	\$	150,524
	Detention Basin - Miscellaneous	3 AC	\$ 100,000	\$	320,000
	30" Drain Pipe	590 LF	\$ 145	\$	85,550
	60" Manhole	3 EA	\$ 10,000	\$	30,000
	Trash Capture	1 EA	\$ 500,000	\$	500,000
	30" Creek Outfall / Trash Rack	1 EA	\$ 5,000	\$	5,000
	Soft Costs		20%	\$	117,215
	Contingency		30%	\$	362,487
				\$	1,570,000
WJG11	(In Finance Area C and A - counting toward A since first)				
	Detention Basin (In Finance Area C) - Excavation	48 Ac-Ft	\$ 9,680	\$	462,607
	Detention Basin - Miscellaneous	9 AC	\$ 100,000	\$	900,000
	30" Drain Pipe	540 LF	\$ 145	\$	78,300
	42" Drain Pipe	600 LF	\$ 225	\$	135,000
	48" Drain Pipe	220 LF	\$ 250	\$	55,000
	54" Drain Pipe	1,200 LF	\$ 300	\$	360,000
	Junction Box	7 EA	\$ 30,000	\$	210,000
	Trash Capture	1 EA	\$ 500,000	\$	500,000
	48" Creek Outfall / Trash Rack	1 EA	\$ 19,000	\$	19,000
	Soft Costs		20%	\$	440,181
	Contingency		30%	\$	948,027
				\$	4,110,000
MISC.					
	Debris Master Plan	1 LS	\$ 250,000	\$	250,000
	Creek Stage Monitoring System	1 EA	\$ 50,000	\$	50,000
	Soft Costs		20%	\$	60,000
	Continuo		200/	4	400.000
	Contingency		30%	\$ \$	108,000

TOTAL FINANCE AREA A DRAIN

\$ 72,010,000

Preliminary Backbone Drain Infrastructure Finance Area B

Identifier	Description	Quantity Unit		\$ / Unit		Total
WJP3	Split with Area C					
	Drainage Pump Station- Drains WJP3 - 45 CFS	1 LS	\$		\$	2,410,000
	Detention Basin - WJP3 - Excavation	400,000 CY	\$		\$	2,400,000
	Detention Basin - Miscellaneous / Allowance	1 LS	\$		\$	1,500,000
	6' x 6' Open Channel Grading	1,310 LF	\$		\$	72,050
	6' x 8' Open Channel Grading	820 LF	\$		\$	69,700
	6' x 8' Culvert Under Creek	730 LF	\$		\$	1,825,000
	24" Drain Pipe	1,100 LF	\$		\$	115,500
	30" Drain Pipe	3,500 LF	\$		\$	507,500
	36" Drain Pipe	6,000 LF	\$		\$	1,200,000
	42" Drain Pipe	1,300 LF	\$		\$	292,500
	48" Drain Pipe	800 LF	\$	250	\$	200,000
	48" Manhole	4 EA	\$	9,500	\$	38,000
	Junction Box	8 EA	\$	30,000	\$	240,000
	Trash Capture	1 EA	\$	500,000	\$	500,000
	36" Creek Outfall / Trash Rack	1 EA	\$	12,000	\$	12,000
	Soft Costs			20%	\$	2,276,450
	Contingency			30%	\$	4,097,610
					\$	17,760,000
WJP4	Split with Area C					
	Drainage Pump Station- Drains WJP4 - 14 CFS	1 EA	\$		\$	1,450,000
	Detention Basin - WJP4 - Excavation	400,000 CY	\$		\$	2,400,000
	Detention Basin - Miscellaneous / Allowance	1 LS	\$		\$	1,500,000
	24" Drain Pipe	800 LF	\$		\$	84,000
	30" Drain Pipe	400 LF	\$	145	\$	58,000
	36" Drain Pipe	150 LF	\$		\$	30,000
	24" Drain Pipe Under Morrison Creek	430 LF	\$	3,500	\$	1,505,000
	3' x 6' Culvert Under Morrison Creek	540 LF	\$	2,250	\$	1,215,000
	48" Drain Pipe Under Morrison Creek	600 LF	\$	2,000	\$	1,200,000
	Open Channel Grading	4,510 LF	\$	85	\$	383,350
	48" Manhole	4 EA	\$	9,500	\$	38,000
	Junction Box	8 EA	\$	30,000	\$	240,000
	Trash Capture	1 EA	\$	500,000	\$	500,000
	30" Outlet Structure/ Trash Rack	1 EA	\$	5,000	\$	5,000
	Soft Costs			20%	\$	2,121,670
	Contingency			30%	\$	3,819,006
					\$	16,550,000
WJG5	Datantian Racin - WIGE - Evaporation	60 Ac F+	ė	0.600	ċ	670 427
	Detention Basin - WJG5 - Excavation	69 Ac-Ft 9 AC	\$ ¢		\$ ¢	670,437
	Detention Basin - Miscellaneous		\$		\$	940,000
	36" Drain Pipe	1,300 LF	\$		\$	260,000
	48" Drain Pipe	160 LF	\$		\$	40,000
	60" Drain Pipe	1,400 LF	\$		\$	553,000
	48" Manhole	4 EA	\$	-	\$	38,000
	Junction Box	8 EA	\$		\$	240,000
	Trash Capture	1 EA	\$		\$	500,000
	48" Creek Outfall / Trash Rack	1 EA	\$		\$	19,000
	Soft Costs			20%	ς	652,087
						•
	Contingency			30%		1,173,75 5,090,00

TOTAL FINANCE AREA B DRAIN

\$ 39,400,000

Preliminary Backbone Drain Infrastructure Finance Area C

Identifier	Description	Quantity Unit		\$ / Unit	Total			
WJP3	Split with Area B							
******	Drainage Pump Station - Included with Area B							
	Detention Basin- Excavation, Miscellaneous, and Outfall to creek included with Area B							
	4' x 6' Open Channel Grading	130 LF	\$	45 \$	5,850			
	6' x 6' Open Channel Grading	340 LF	\$	55 \$	18,700			
	24" Drain Pipe	400 LF	\$	105 \$	42,000			
	36" Drain Pipe	2,100 LF	\$	200 \$	420,000			
	48" Drain Pipe	1,100 LF	\$	250 \$	275,000			
	60" Drain Pipe	1,000 LF	\$	395 \$	395,000			
	48" Manhole	4 EA	\$	9,500 \$	38,000			
	Junction Box	8 EA	\$	30,000 \$	240,000			
	Soft Costs			20% \$	286,910			
	Contingency			30% \$	516,438			
				\$	2,240,000			
WJP4	Split with Area B							
	Drainage Pump Station - Included with Area B	2. 46-11 to	1	ith Asses B				
	Detention Basin - Excavation & Miscellaneous, and C				257.000			
	24" Drain Pipe	3,400 LF	\$	105 \$	357,000			
	36" Drain Pipe	700 LF	\$	200 \$	140,000			
	48" Manhole Junction Box	4 EA 8 EA	\$ \$	9,500 \$ 30,000 \$	38,000			
	Soft Costs	O EA	Ş	30,000 \$ 20% \$	240,000 155,000			
	Contingency			30% \$	279,000			
	Contingency			\$	1,210,000			
				¥	1,210,000			
WJP5								
	Drainage Pump Station- Drains WJP5 - 10 CFS	1 EA	\$	1,250,000 \$	1,250,000			
	Detention Basin - WJP5 - Excavation	100,000 CY	\$	6 \$	600,000			
	Detention Basin - Miscellaneous / Allowance	1 LS	\$	1,500,000 \$	1,500,000			
	24" Drain Pipe	500 LF	\$	105 \$	52,500			
	36" Drain Pipe	1,800 LF	\$	200 \$	360,000			
	48" Drain Pipe	1,100 LF	\$	250 \$	275,000			
	66" Drain Pipe	900 LF	\$	450 \$	405,000			
	72" Drain Pipe	300 LF	\$	520 \$	156,000			
	48" Manhole	4 EA	\$	9,500 \$	38,000			
	Junction Box	8 EA	\$	30,000 \$	240,000			
	Trash Capture	1 EA	\$	500,000 \$	500,000			
	24" Outlet Structure/ Trash Rack	1 EA	\$	9,500 \$	9,500			
	Soft Costs			20% \$	975,300			
	Contingency			30% \$	1,908,390			
				\$	8,270,000			
WJG4								
	Detention Basin- Drains WJG4	95 Ac-Ft	\$	9,680 \$	922,407			
	Detention Basin - Miscellaneous	15 AC	\$	100,000 \$	1,470,000			
	24" Drain Pipe	260 LF	\$	105 \$	27,300			
	54" Drain Pipe	1,330 LF	\$	300 \$	399,000			
	60" Drain Pipe	3,240 LF	\$	395 \$	1,279,800			
	48" Manhole	4 EA	\$	9,500 \$	38,000			
	Junction Box	8 EA	\$	30,000 \$	240,000			
	Trash Capture	1 EA	\$	500,000 \$	500,000			
	60" Outlet Structure/ Trash Rack	1 EA	\$	23,500 \$	23,500			
	Soft Costs			20% \$	980,001			
	Contingency			30% \$	1,764,003			
				\$	7,640,000			

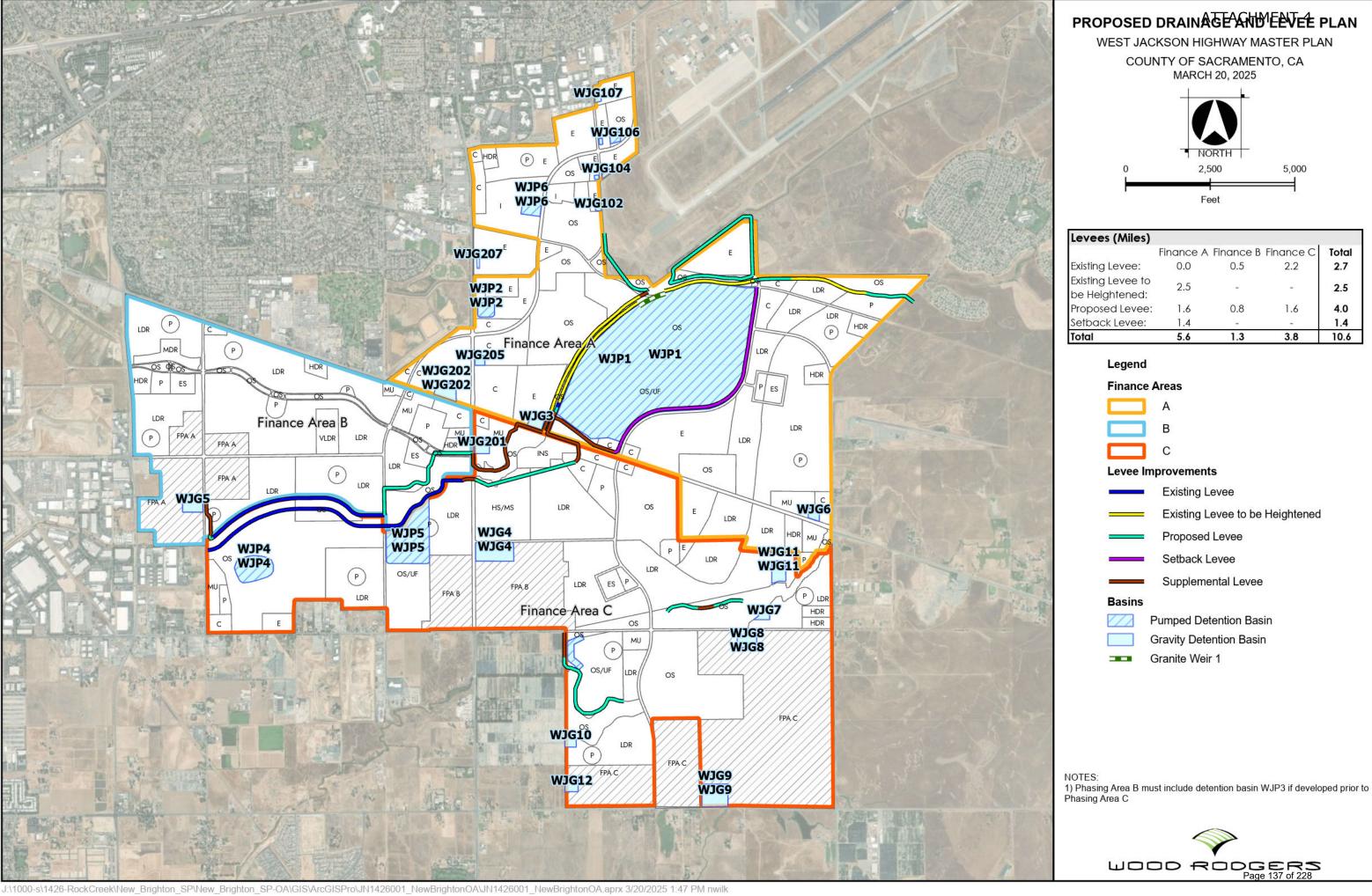
WIC7					
WJG7	Detention Basin - WJG7 - Excavation	23 Ac-Ft	\$	9,680 \$	219,349
	Detention Basin - Miscellaneous	4 AC	\$	100,000 \$	370,000
	42" Drain Pipe	1,870 LF	\$	225 \$	420,750
	48" Drain Pipe	130 LF	\$	250 \$	32,500
	48" Manhole	4 EA	\$	9,500 \$	38,000
	Junction Box	8 EA	\$	30,000 \$	240,000
	48" Outlet Structure/ Trash Rack	1 EA	Ś	19,000 \$	19,000
	Soft Costs		Ψ.	20% \$	267,920
	Contingency			30% \$	482,256
				\$	2,090,000
WJG8					
	Detention Basin - WJG8 - Excavation	72 Ac-Ft	\$	9,680 \$	696,282
	Detention Basin - Miscellaneous	12 AC	\$	100,000 \$	1,220,000
	42" Drain Pipe	1,870 LF	\$	225 \$	420,750
	48" Drain Pipe	130 LF	\$	250 \$	32,500
	66" Drain Pipe	770 LF	\$	450 \$	346,500
	48" Manhole	4 EA	\$	9,500 \$	38,000
	Junction Box	8 EA	\$	30,000 \$	240,000
	Trash Capture	1 EA	\$	500,000 \$	500,000
	48" Outlet Structure/ Trash Rack	1 EA	\$	19,000 \$	19,000
	Soft Costs			20% \$	702,606
	Contingency			30% \$	1,264,692
				\$	5,480,000
WJG9					
	Detention Basin - WJG9 - Excavation	89 Ac-Ft	\$	9,680 \$	859,584
	Detention Basin - Miscellaneous	14 AC	\$	100,000 \$	1,390,000
	60" Drain Pipe	1,410 LF	\$	395 \$	556,950
	72" Drain Pipe	650 LF	\$	520 \$	338,000
	48" Manhole	4 EA	\$	9,500 \$	38,000
	Junction Box	8 EA	\$	30,000 \$	240,000
	Trash Capture	1 EA	\$	500,000 \$	500,000
	60" Outlet Structure/ Trash Rack	1 EA	\$	23,500 \$	23,500
	Soft Costs			20% \$	789,207
	Contingency			30% \$	1,420,572
•	<i>,</i>			\$	6,160,000
WJG10					
	Detention Basin - WJG10 - Excavation	26 Ac-Ft	\$	9,680 \$	251,390
	Detention Basin - Miscellaneous	5 AC	\$	100,000 \$	500,000
	48" Drain Pipe	460 LF	\$	250 \$	115,000
	54" Drain Pipe	1,180 LF	\$	300 \$	354,000
	60" Manhole	4 EA	\$	10,000 \$	40,000
	Junction Box	8 EA	\$	30,000 \$	240,000
	Trash Capture	1 EA	\$	500,000 \$	500,000
		4 54	_	40 000 4	40.000
	48" Outlet Structure/ Trash Rack	1 EA	\$	19,000 \$	19,000
	Soft Costs	1 EA	Ş	20% \$	403,878
		1 EA	\$		

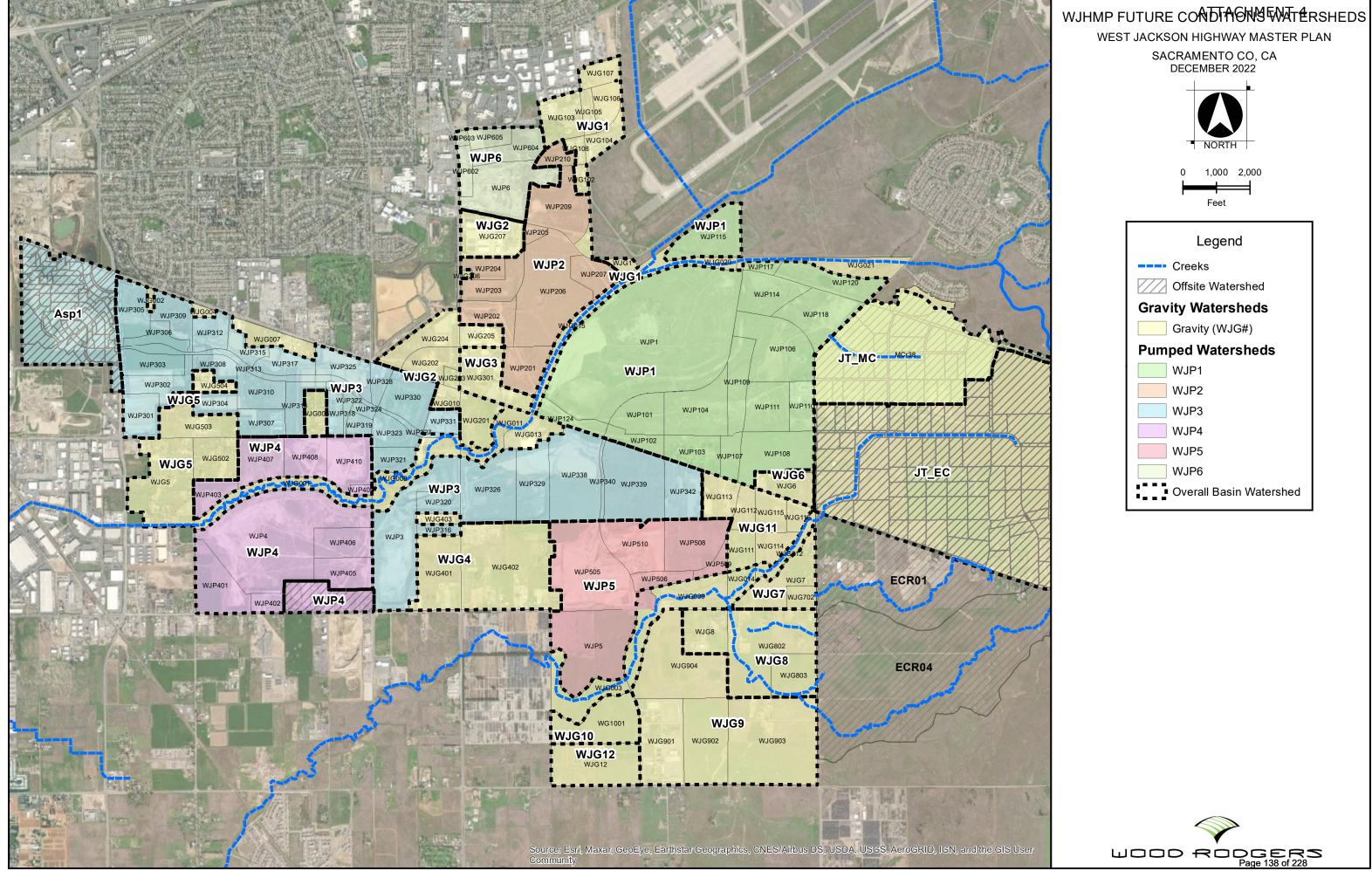
				2,250,000
	Contingency		30%	\$ 518,150
	Soft Costs		20%	\$ 202,528
	36" Outlet Structure/ Trash Rack	1 EA	\$ 12,000	\$ 12,000
	Trash Capture	1 EA	\$ 500,000	\$ 500,000
	Junction Box	8 EA	\$ 30,000	\$ 240,000
	60" Manhole	4 EA	\$ 10,000	\$ 40,000
	36" Drain Pipe	100 LF	\$ 200	\$ 20,000
	Detention Basin - Miscellaneous	5 AC	\$ 100,000	\$ 490,000
	Detention Basin - WJG12 - Excavation	23 Ac-Ft	\$ 9,680	\$ 222,640
L2				

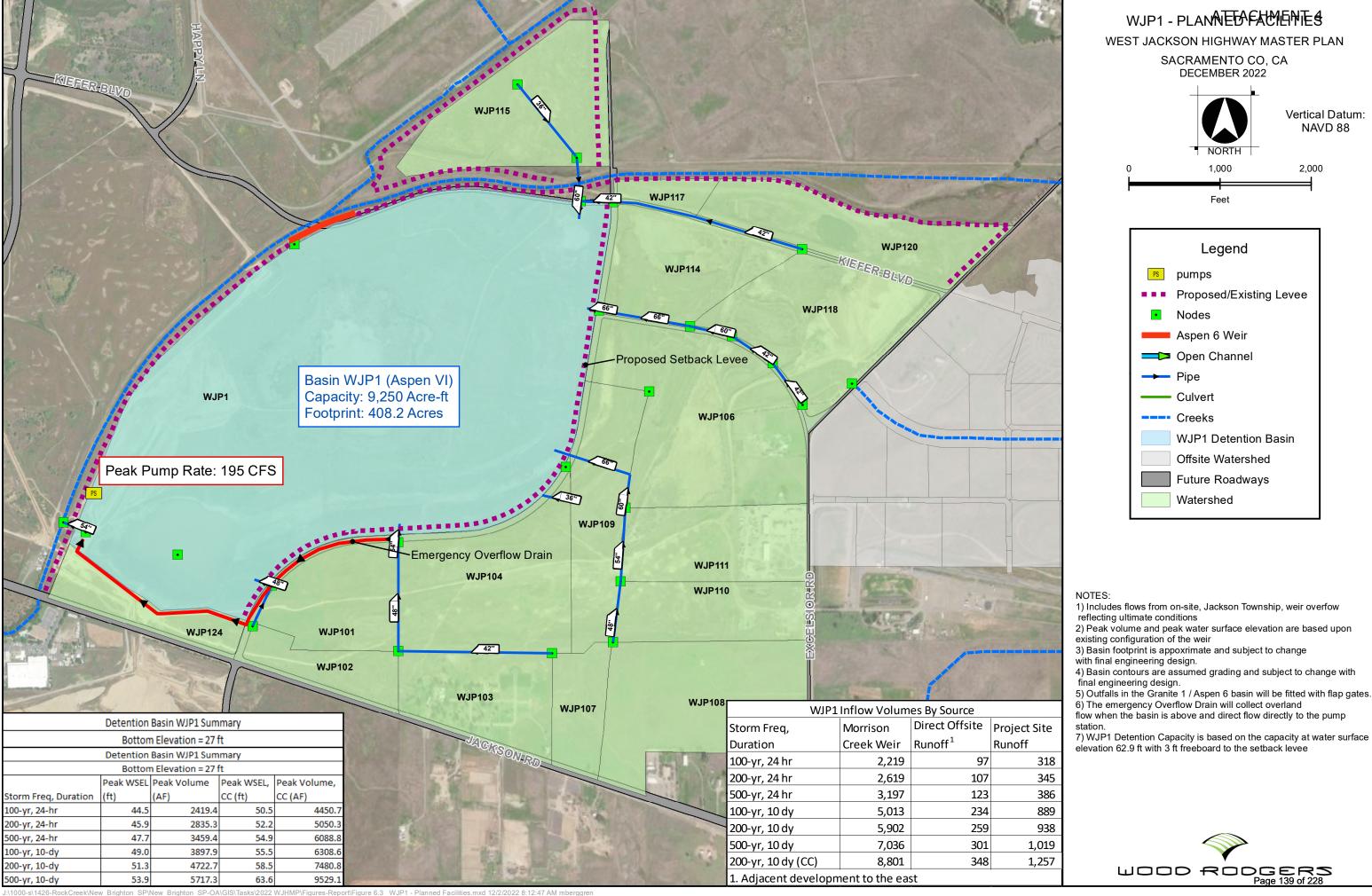
TOTAL FINANCE AREA C DRAIN \$ 38,490,000



ATTACHMENT 3: DRAINAGE BACKBONE EXHIBITS WITH SEGMENT KEY MAPPING

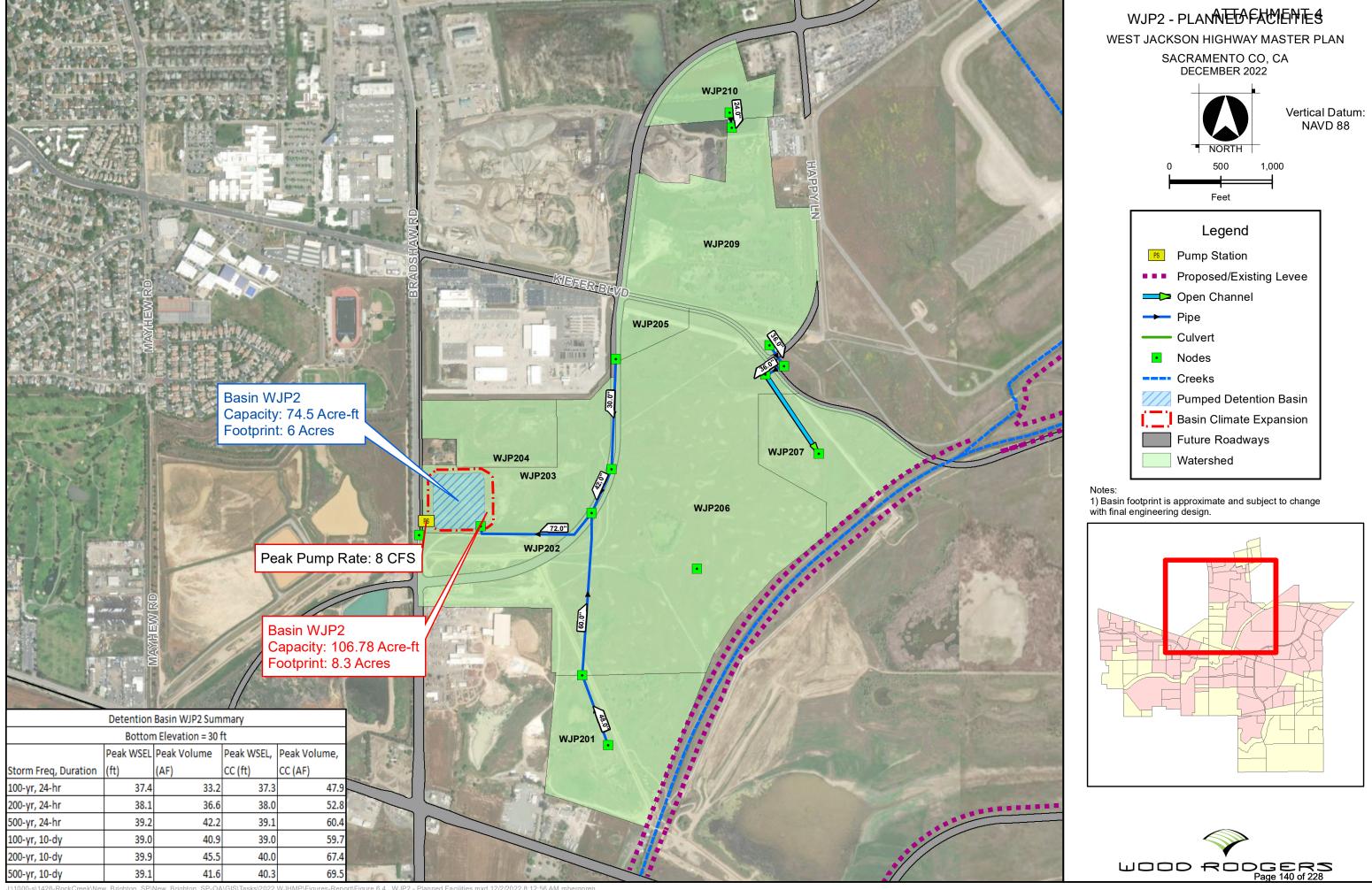


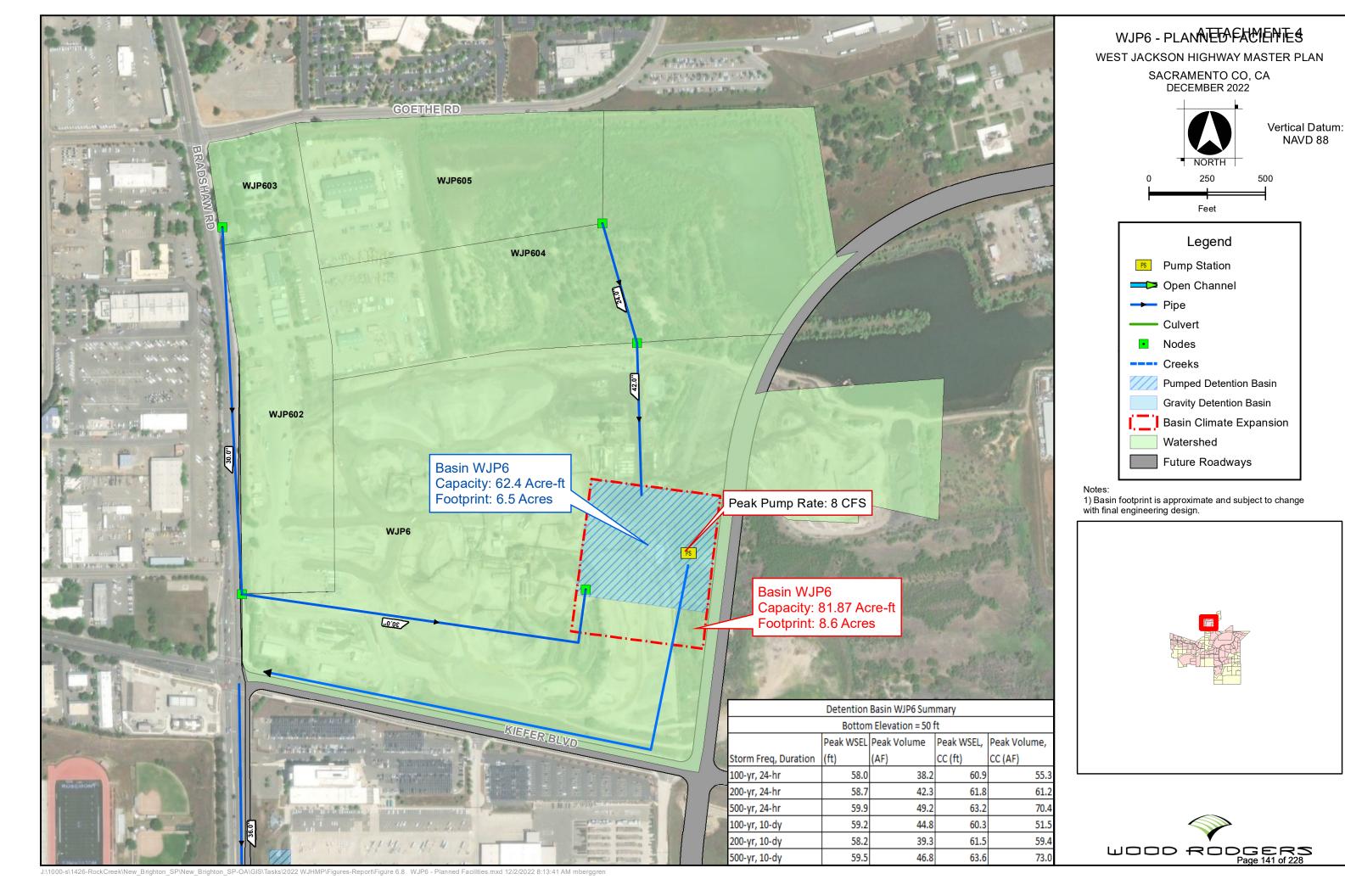


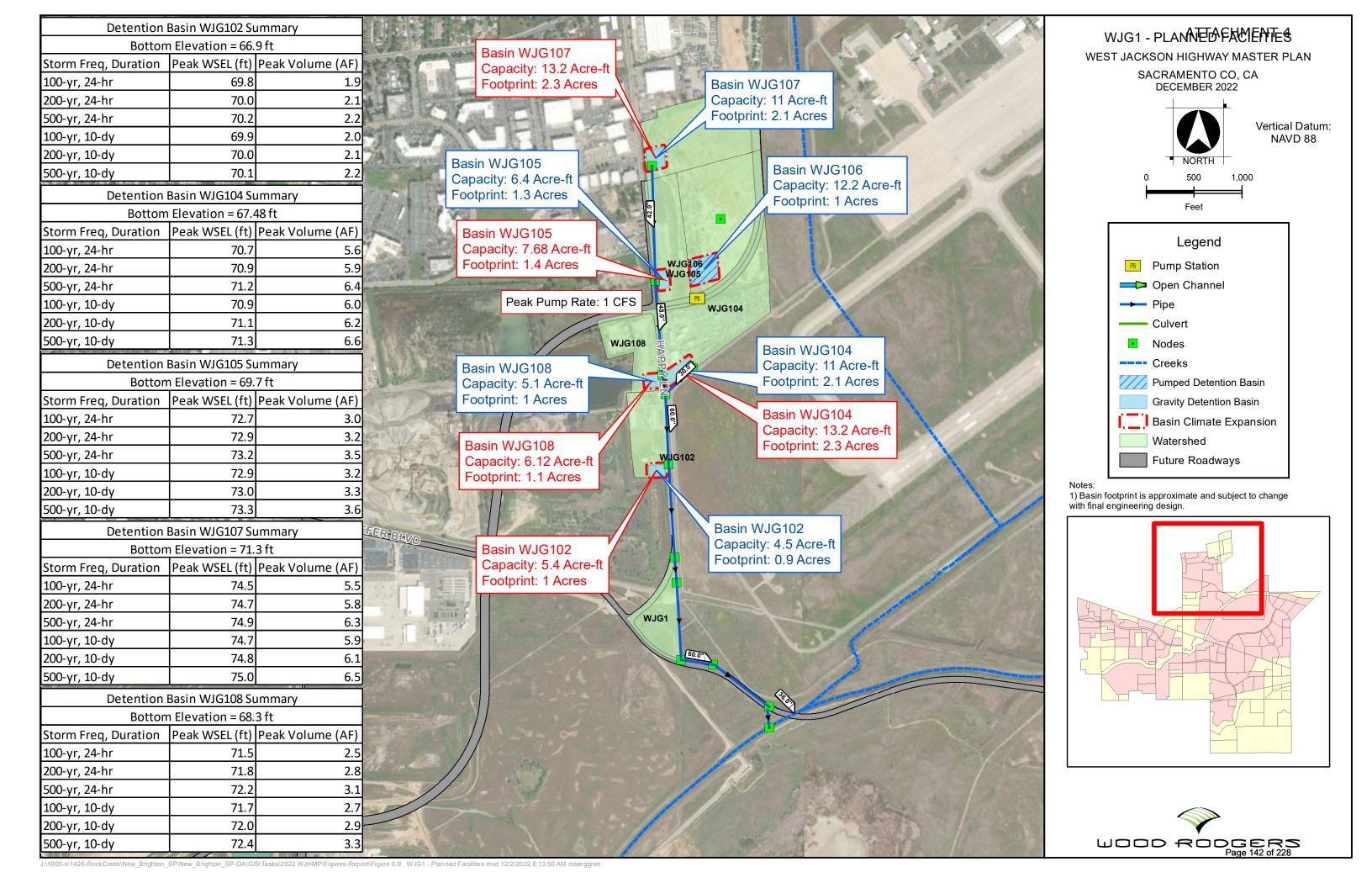


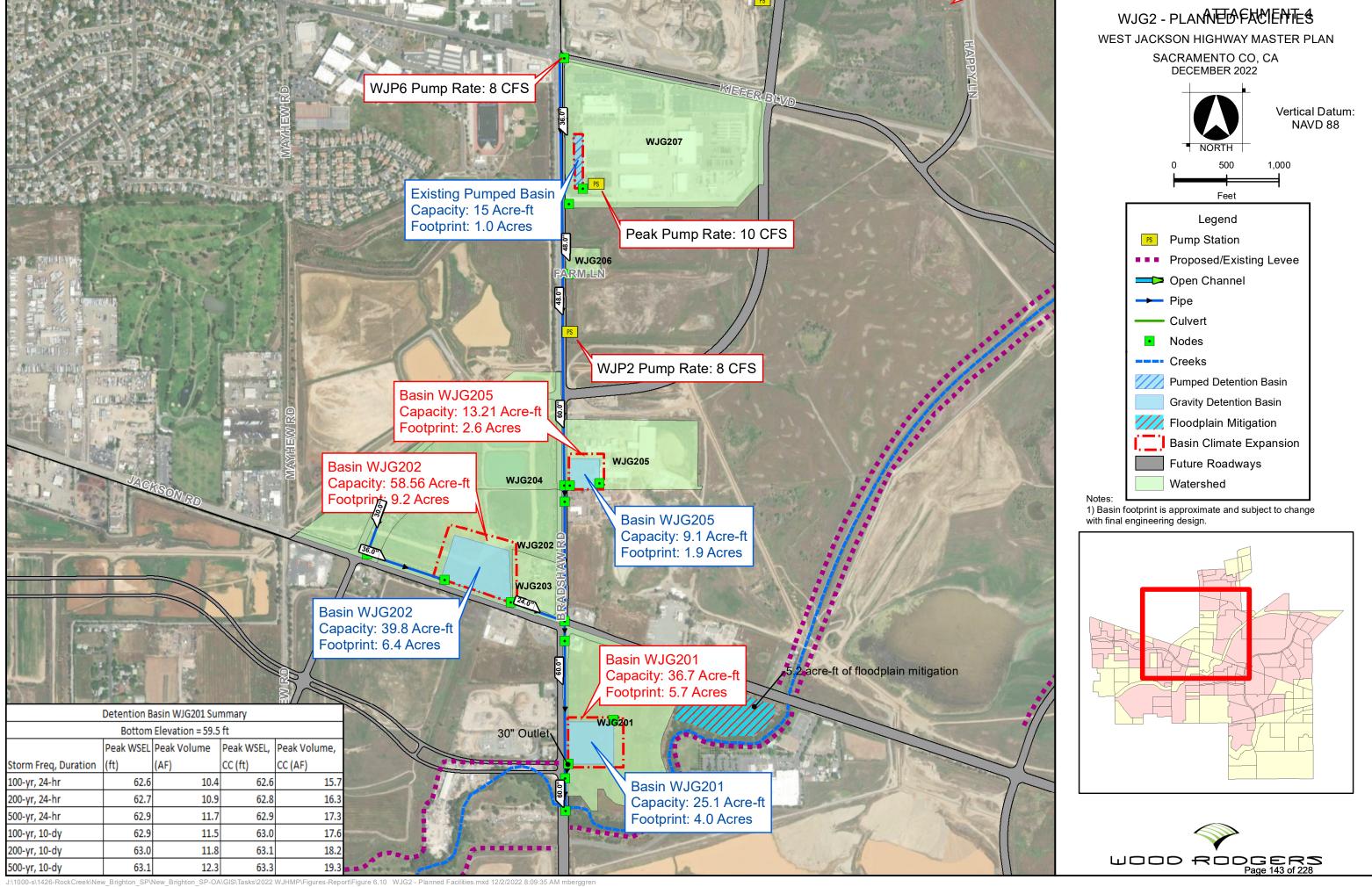
Vertical Datum: NAVD 88

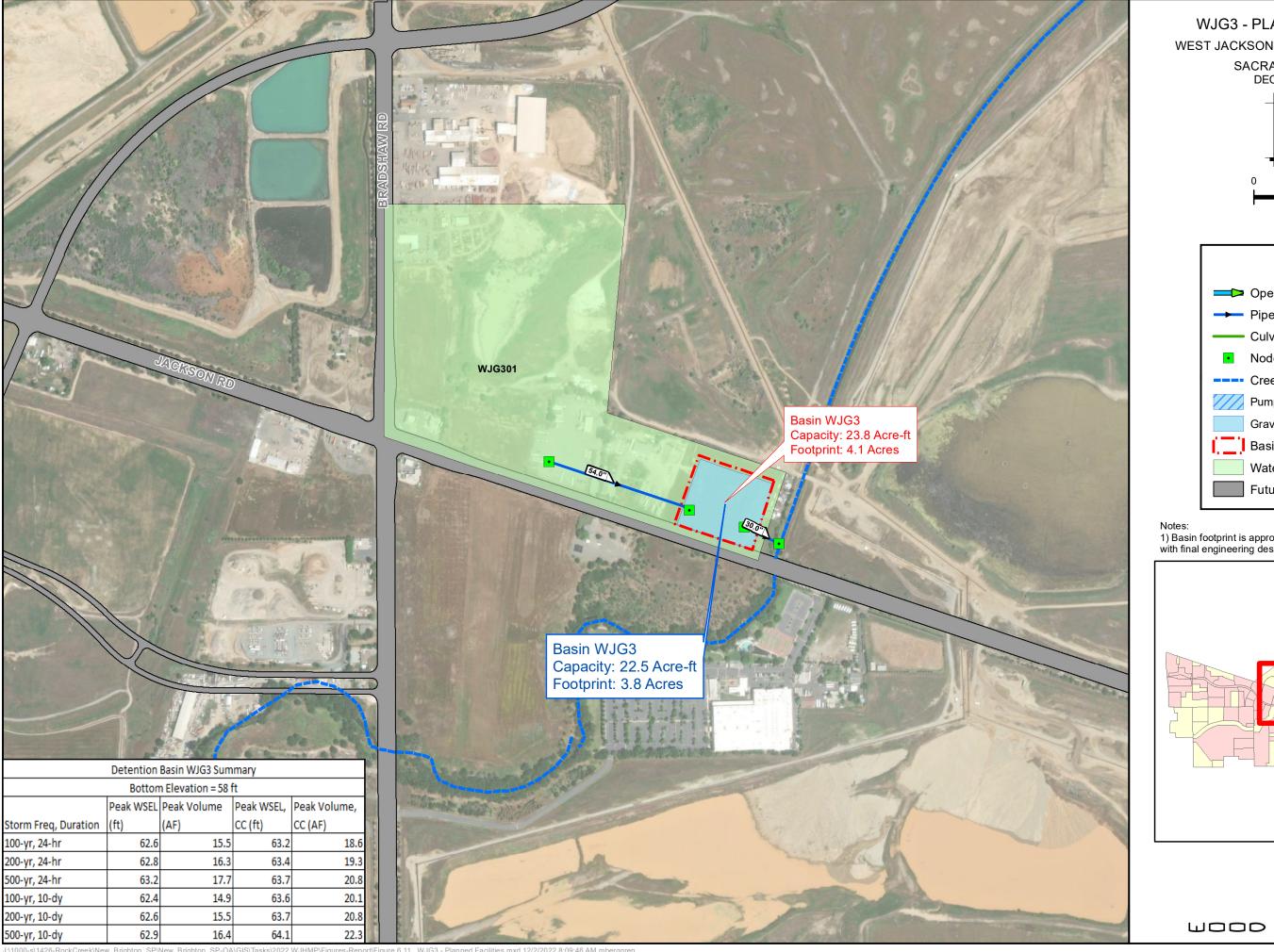
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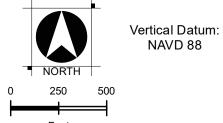




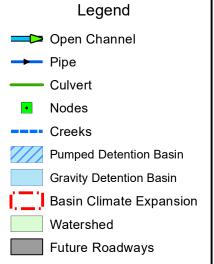


WEST JACKSON HIGHWAY MASTER PLAN

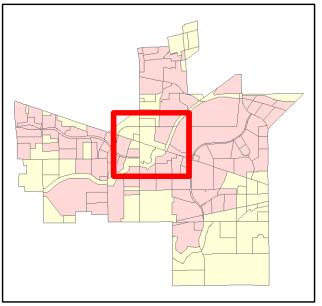
SACRAMENTO CO, CA DECEMBER 2022



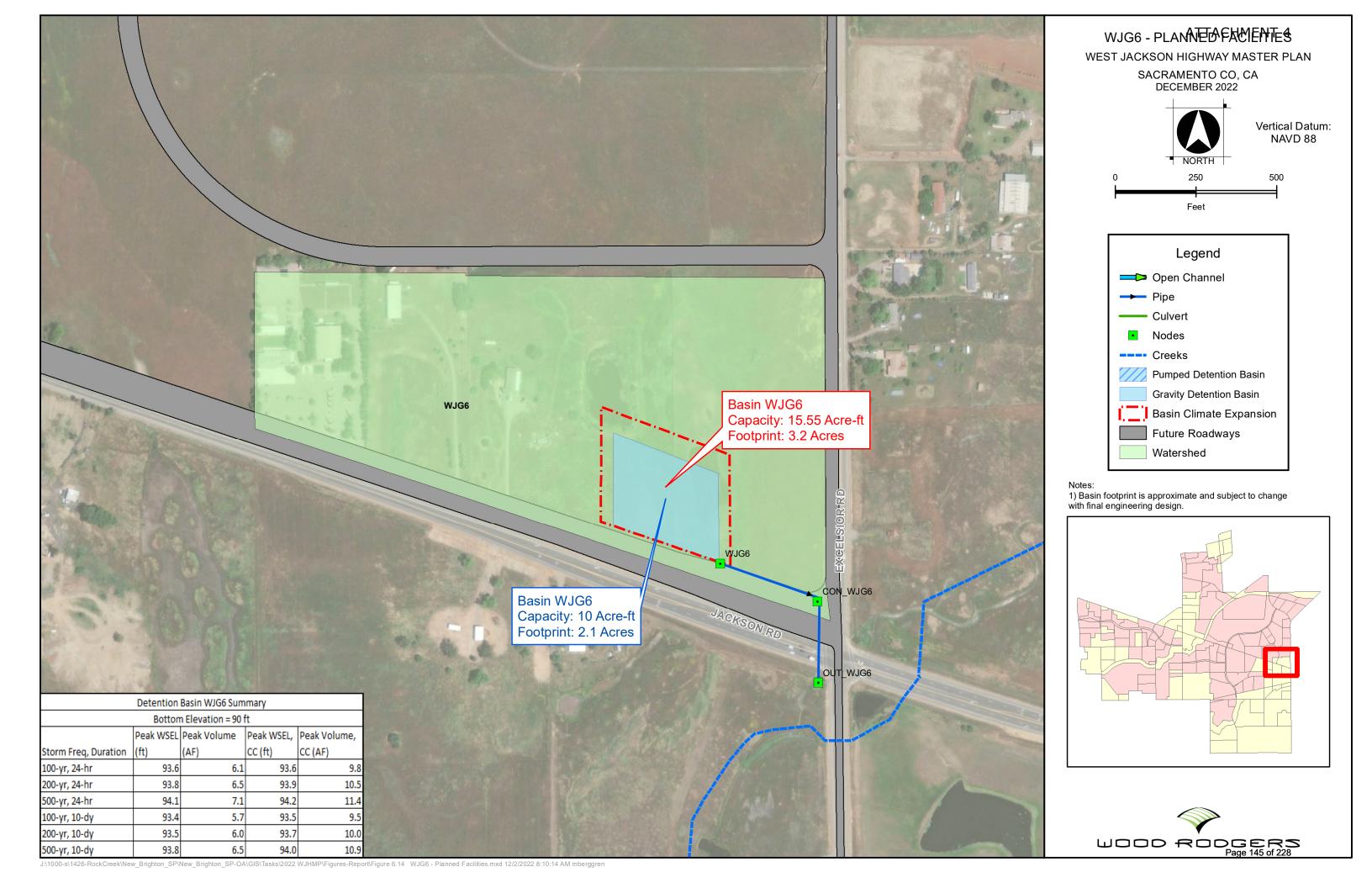
NAVD 88

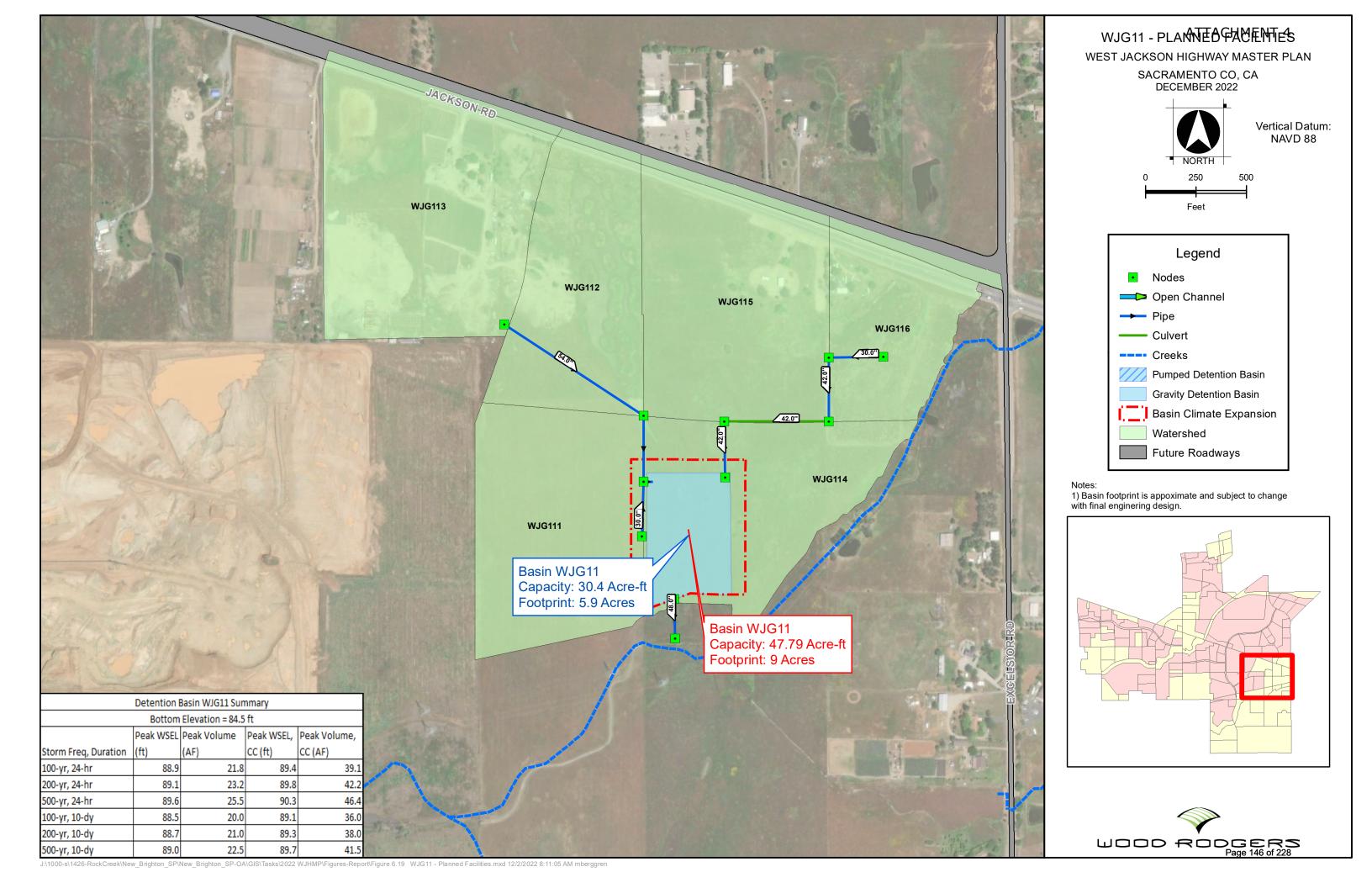


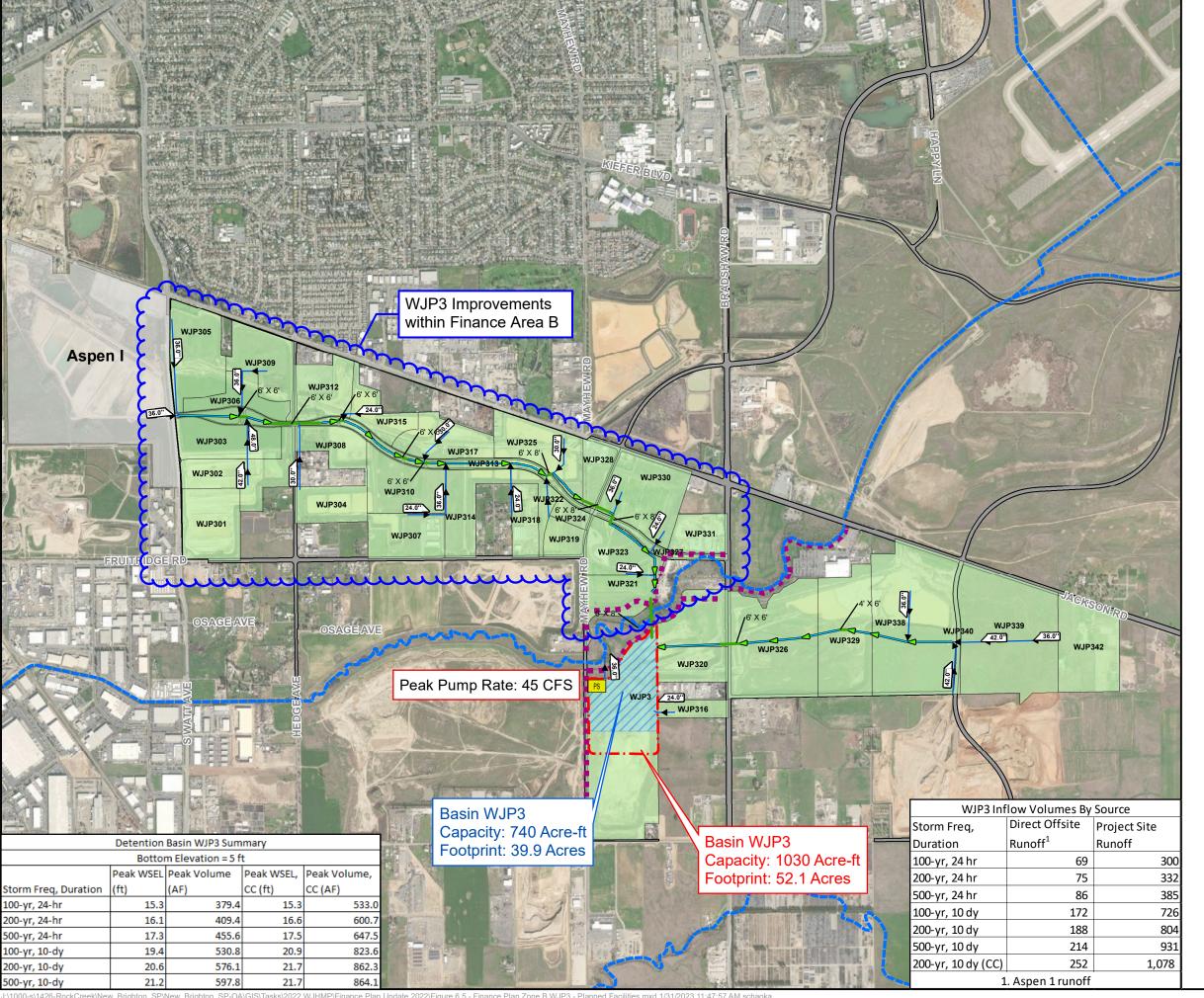
Basin footprint is approximate and subject to change with final engineering design.





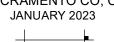




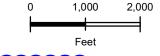


WJP3 - PLANNETO FALMENTES

WEST JACKSON HIGHWAY MASTER PLAN SACRAMENTO CO, CA



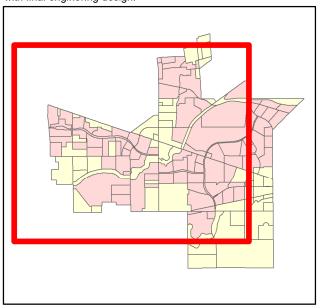




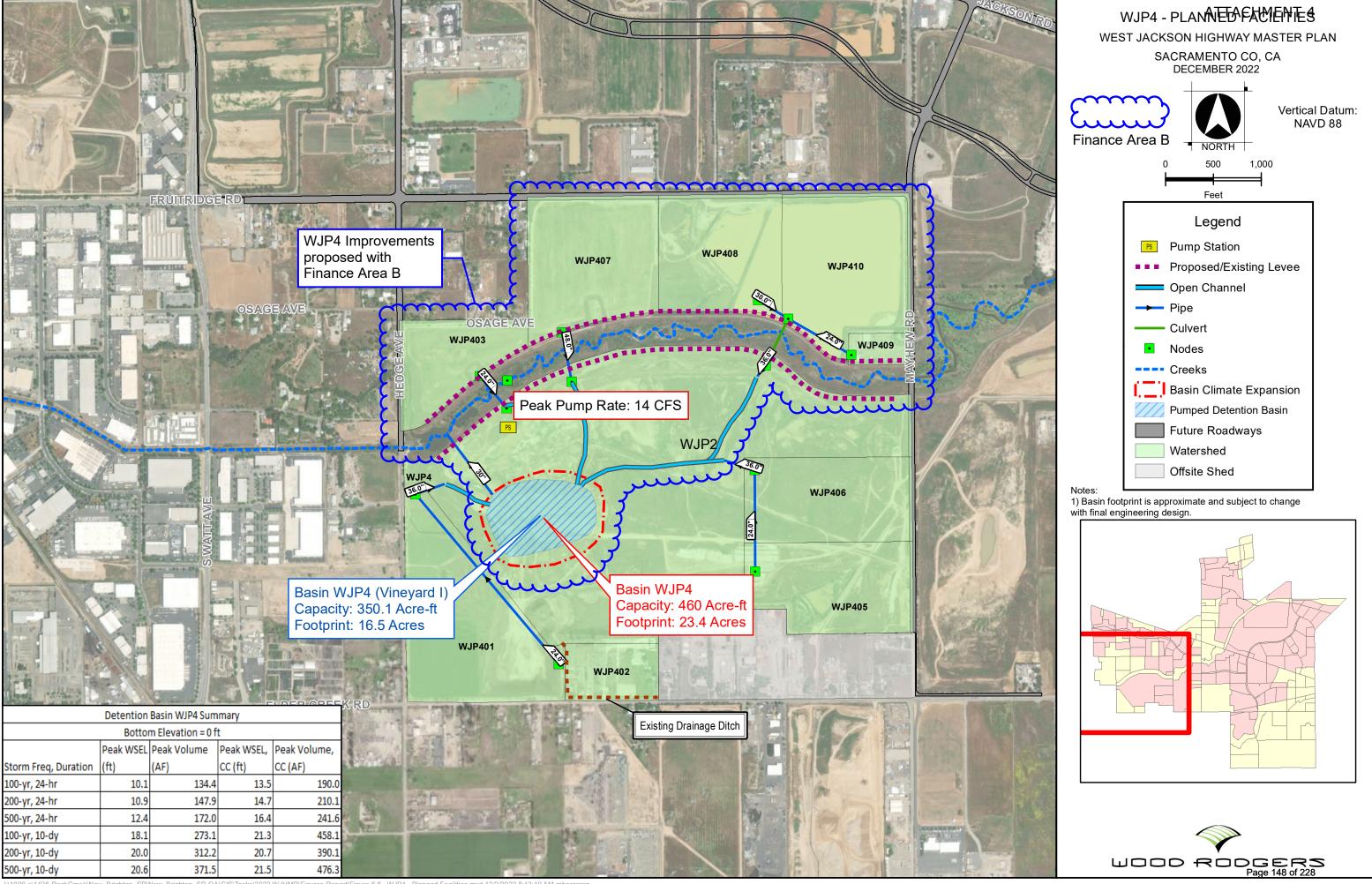


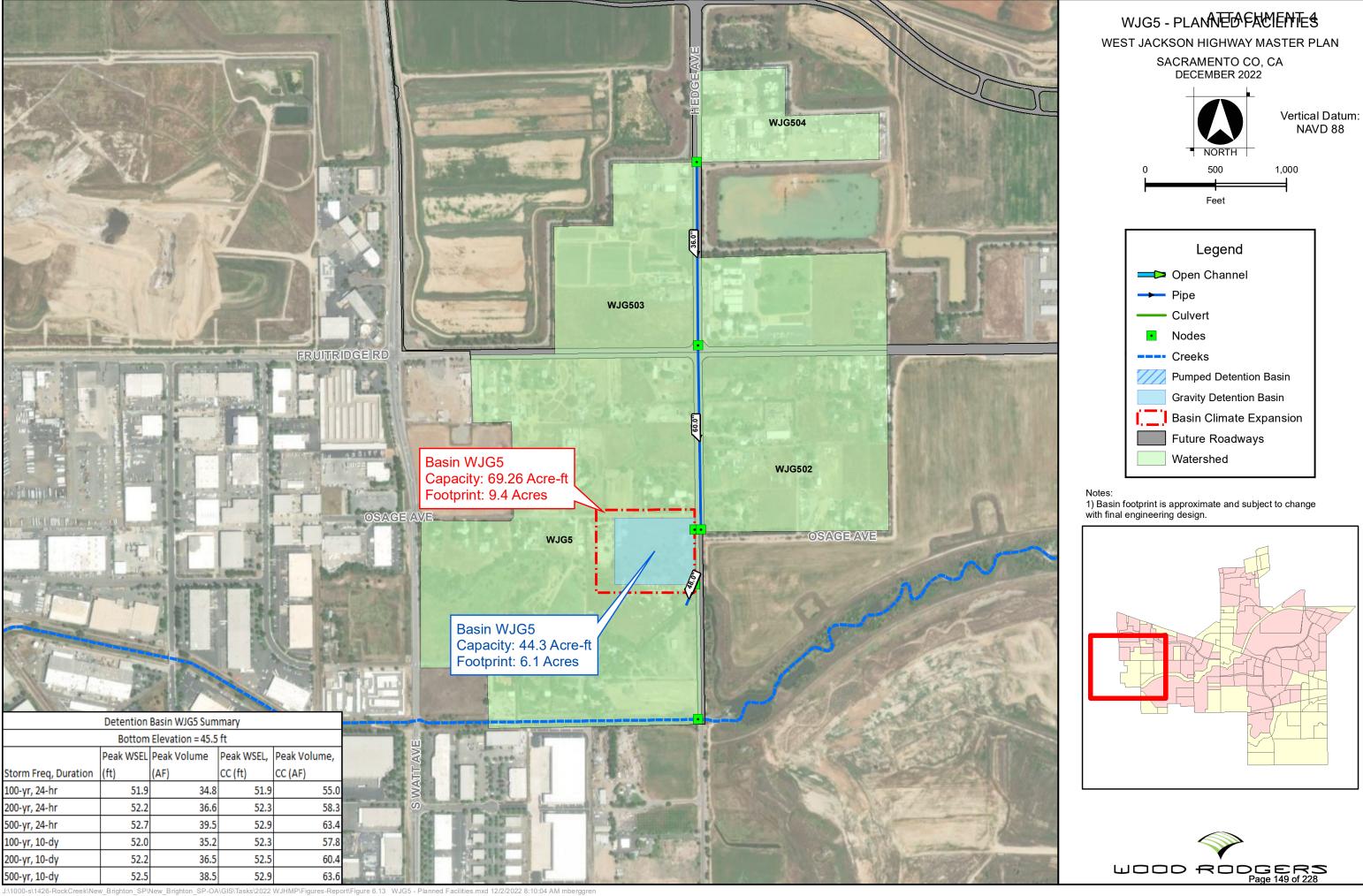
Legend Pump Station Proposed/Existing Levee ── Open Channel → Pipe Culvert --- Creeks Basin Climate Expansion Pumped Detention Basin Future Roadways Watershed Offsite Watershed

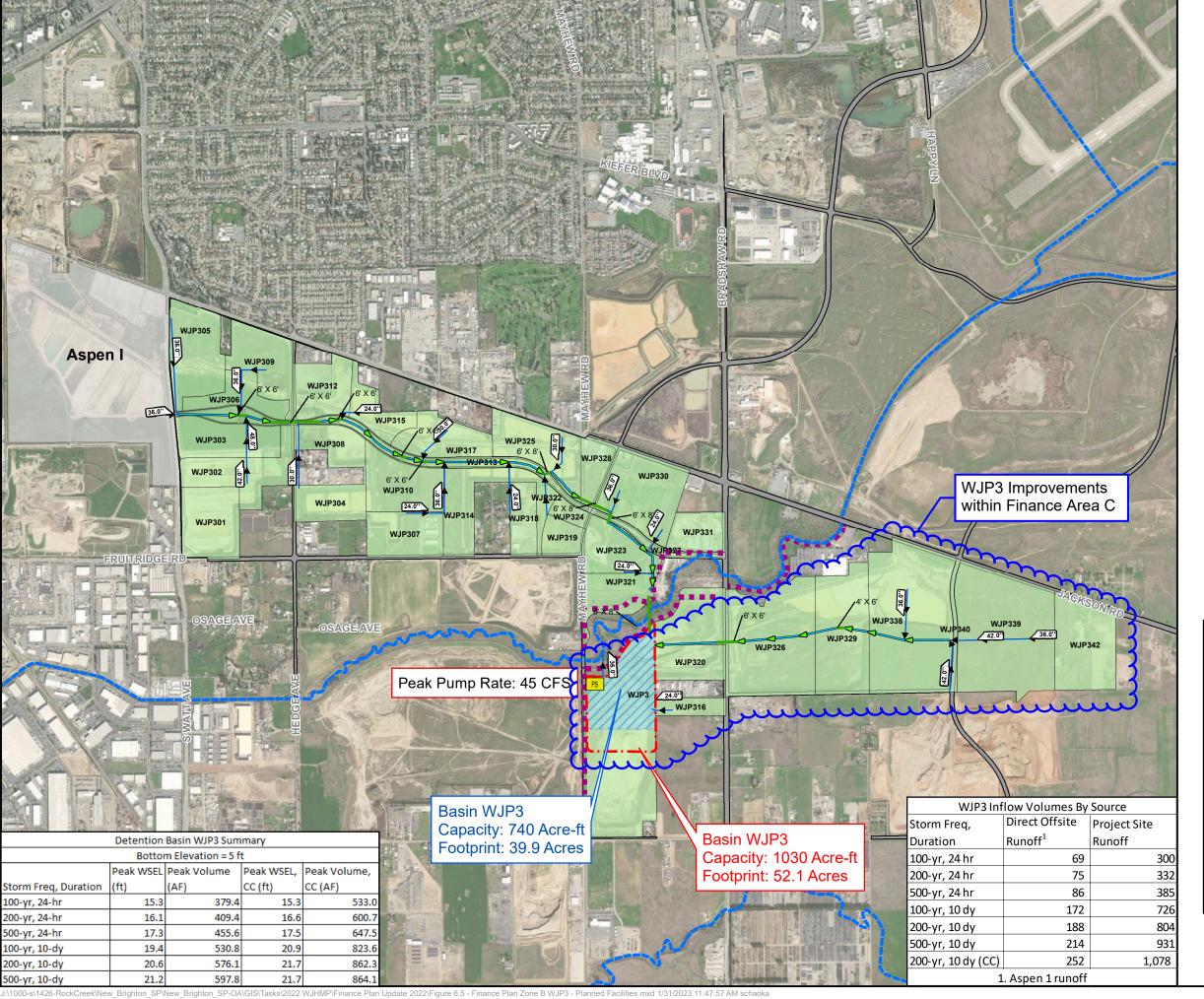
1) Basin footprint is approximate and subject to change with final enginering design.











WJP3 - PLANNETA FAMENTES

WEST JACKSON HIGHWAY MASTER PLAN SACRAMENTO CO, CA

JANUARY 2023



Vertical Datum: NAVD 88

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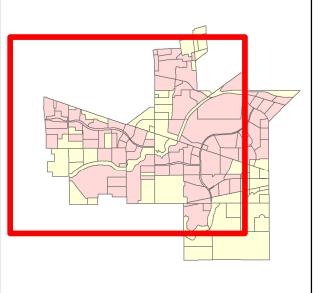


Finance Area C

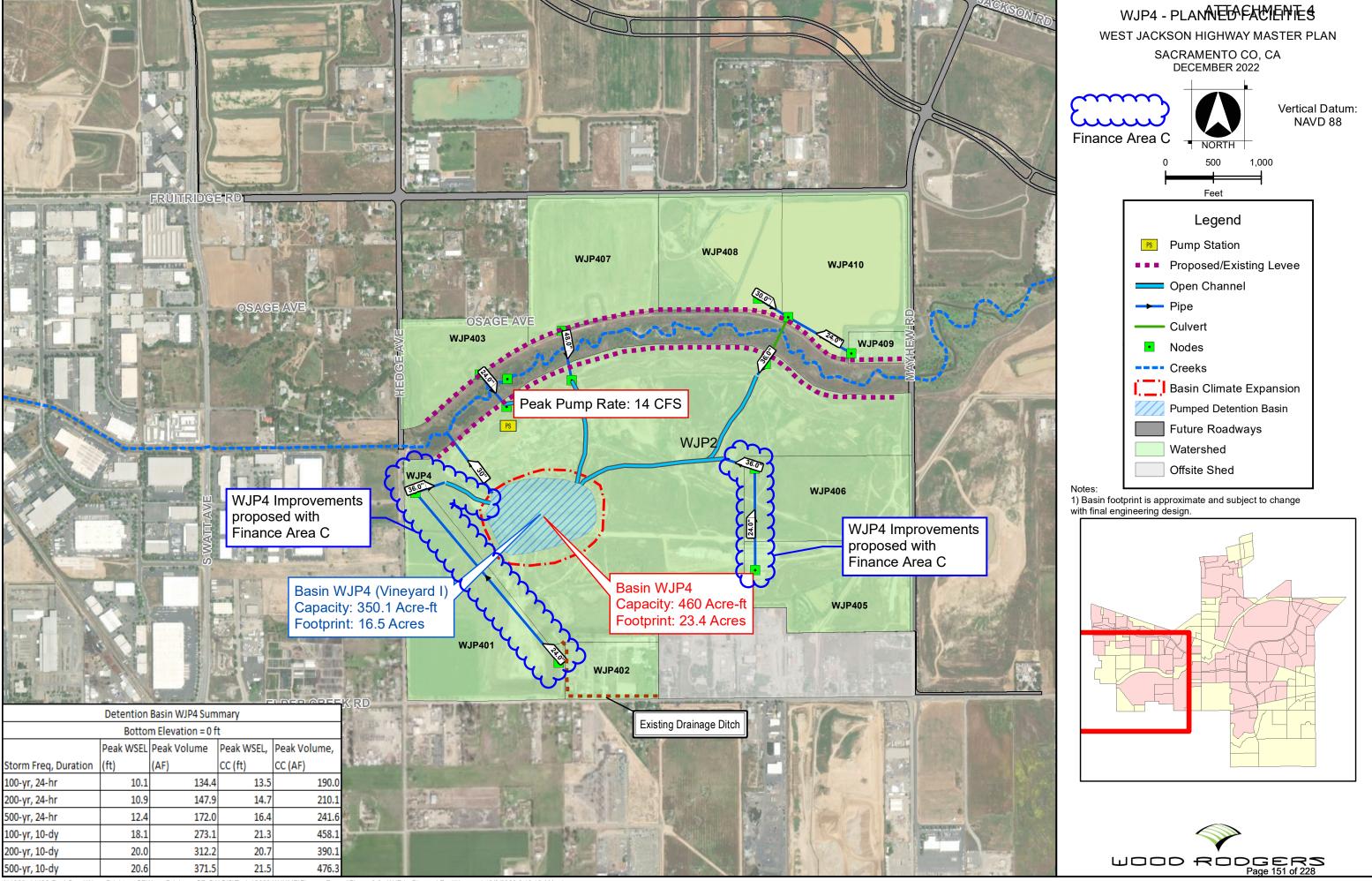
Legend

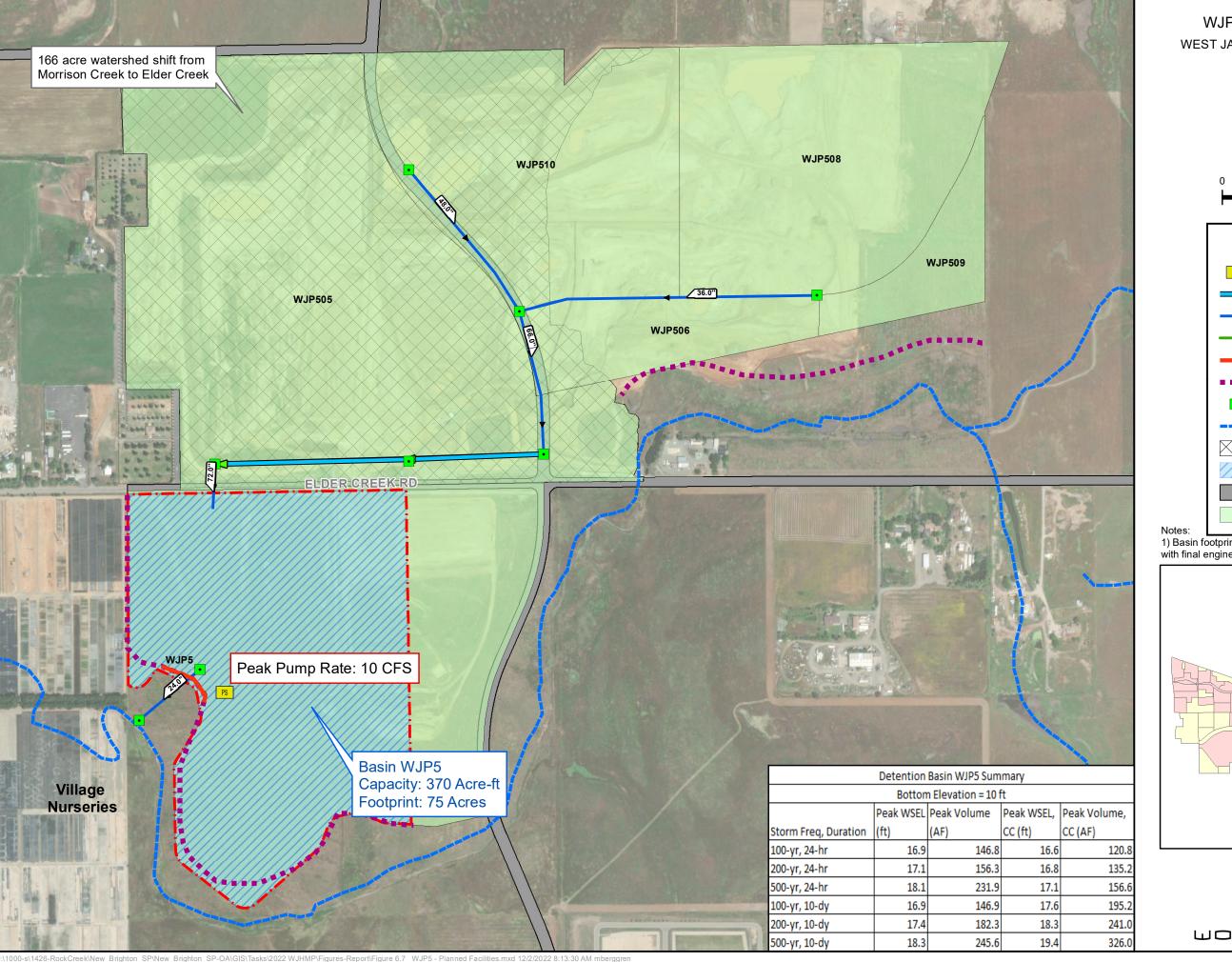
- Pump Station
- Proposed/Existing Levee
- ── Open Channel
- → Pipe
- Culvert
- --- Creeks
- Basin Climate Expansion
- Pumped Detention Basin
- Future Roadways
- Watershed
 - Offsite Watershed

1) Basin footprint is approximate and subject to change with final enginering design.









WJP5 - PLANNETH FAMILINIES

WEST JACKSON HIGHWAY MASTER PLAN

SACRAMENTO CO, CA DECEMBER 2022



Vertical Datum: NAVD 88

1,000 Feet

Legend

Pump Station

■ Open Channel

→ Pipe

Culvert

Proposed Weir

Proposed/Existing Levee

Nodes

--- Creeks

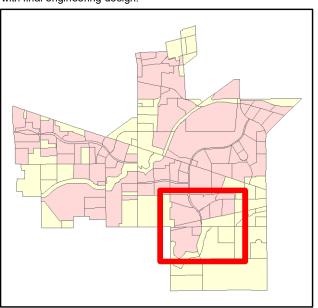
Watershed Shift

Pumped Detention Basin

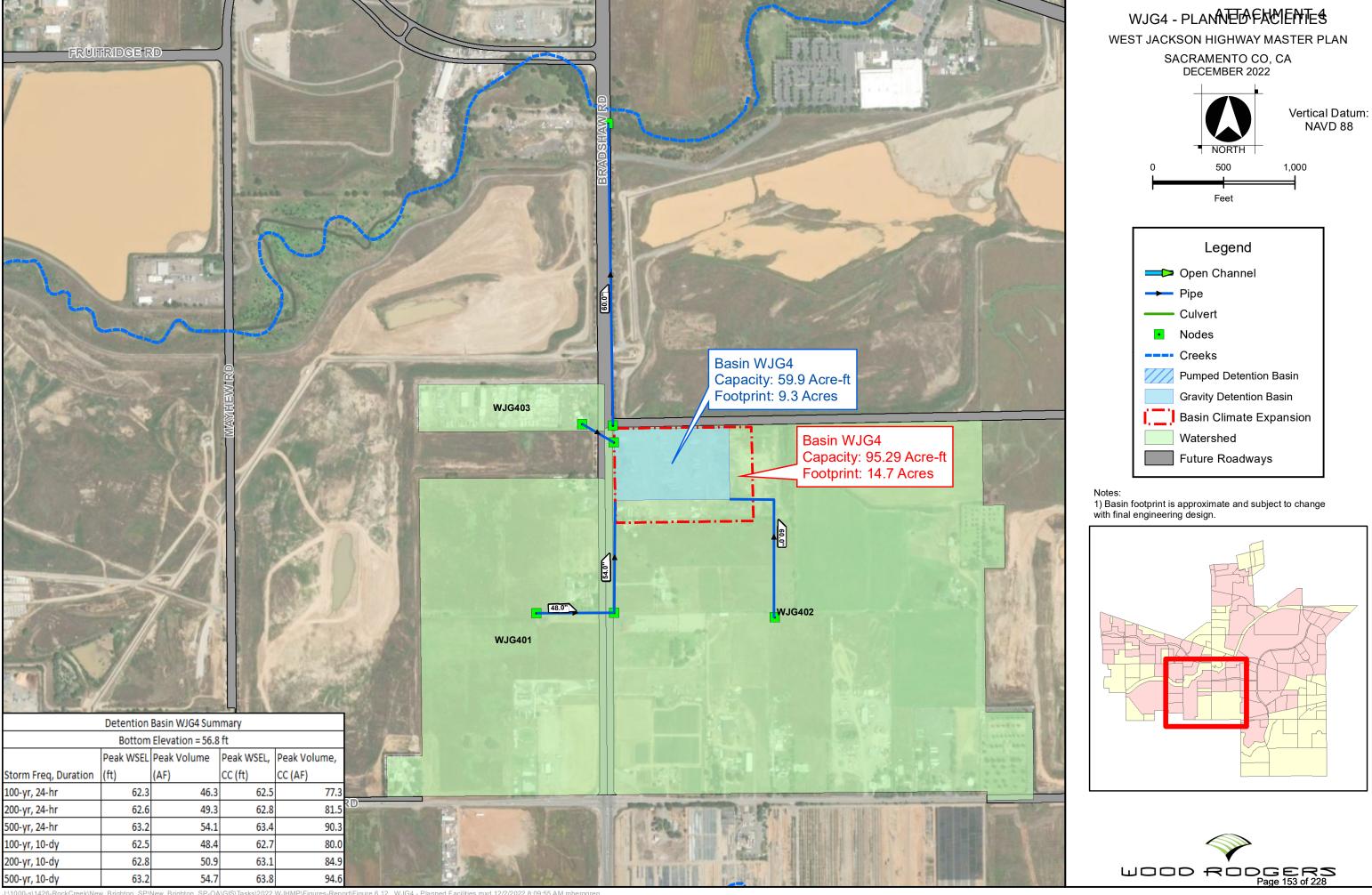
Future Roadways

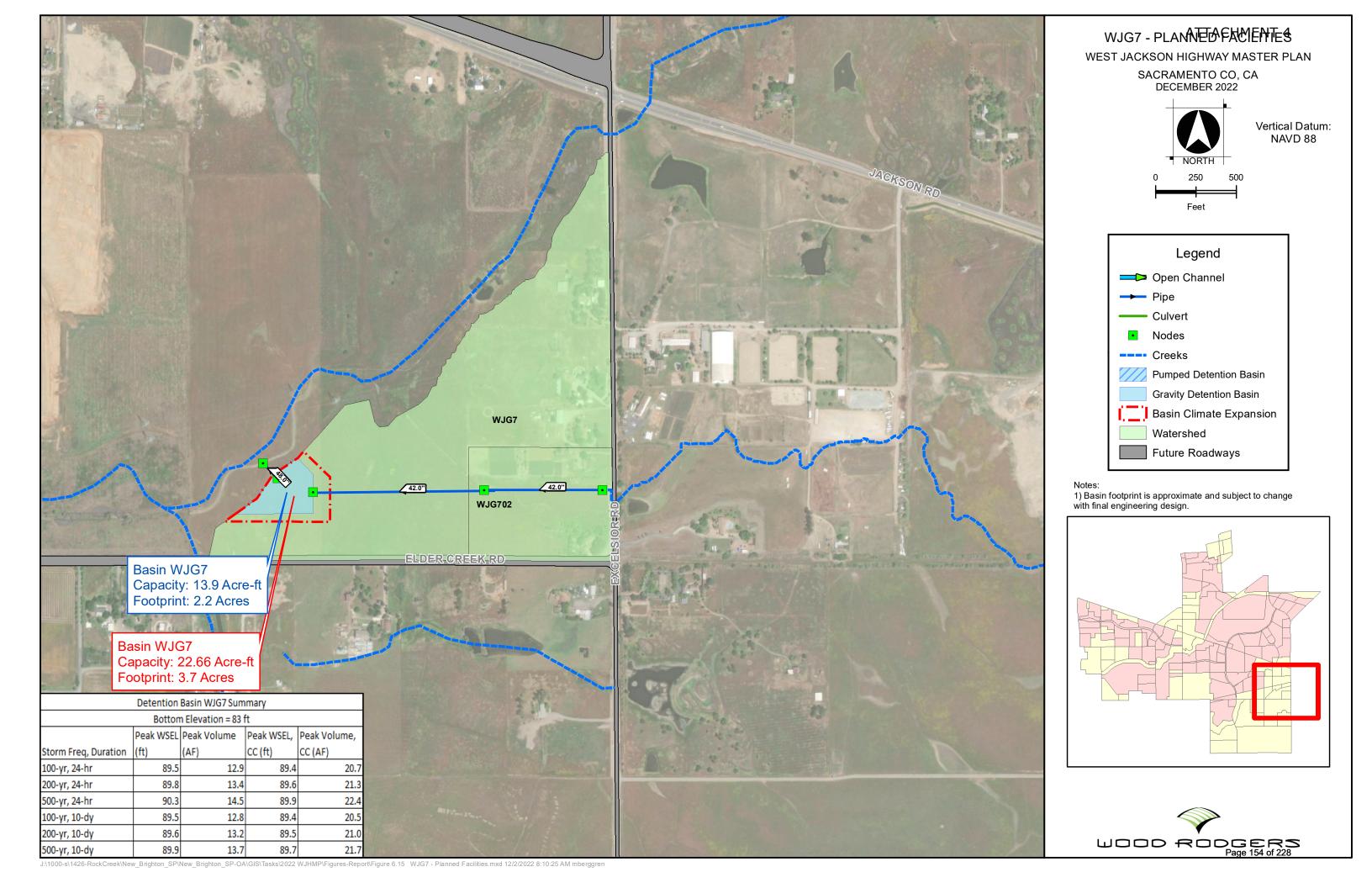
Watershed

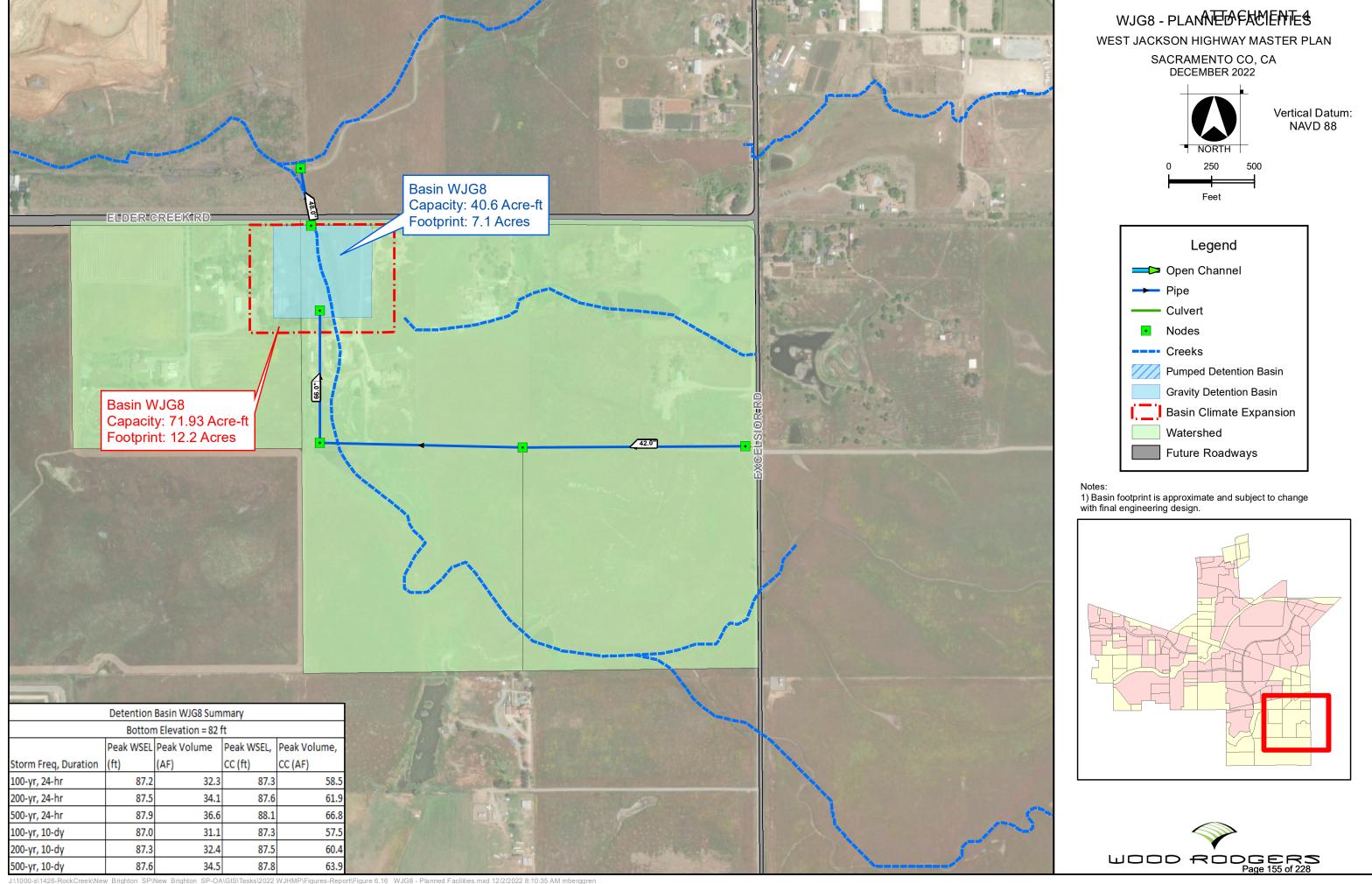
1) Basin footprint is approximate and subject to change with final engineering design.

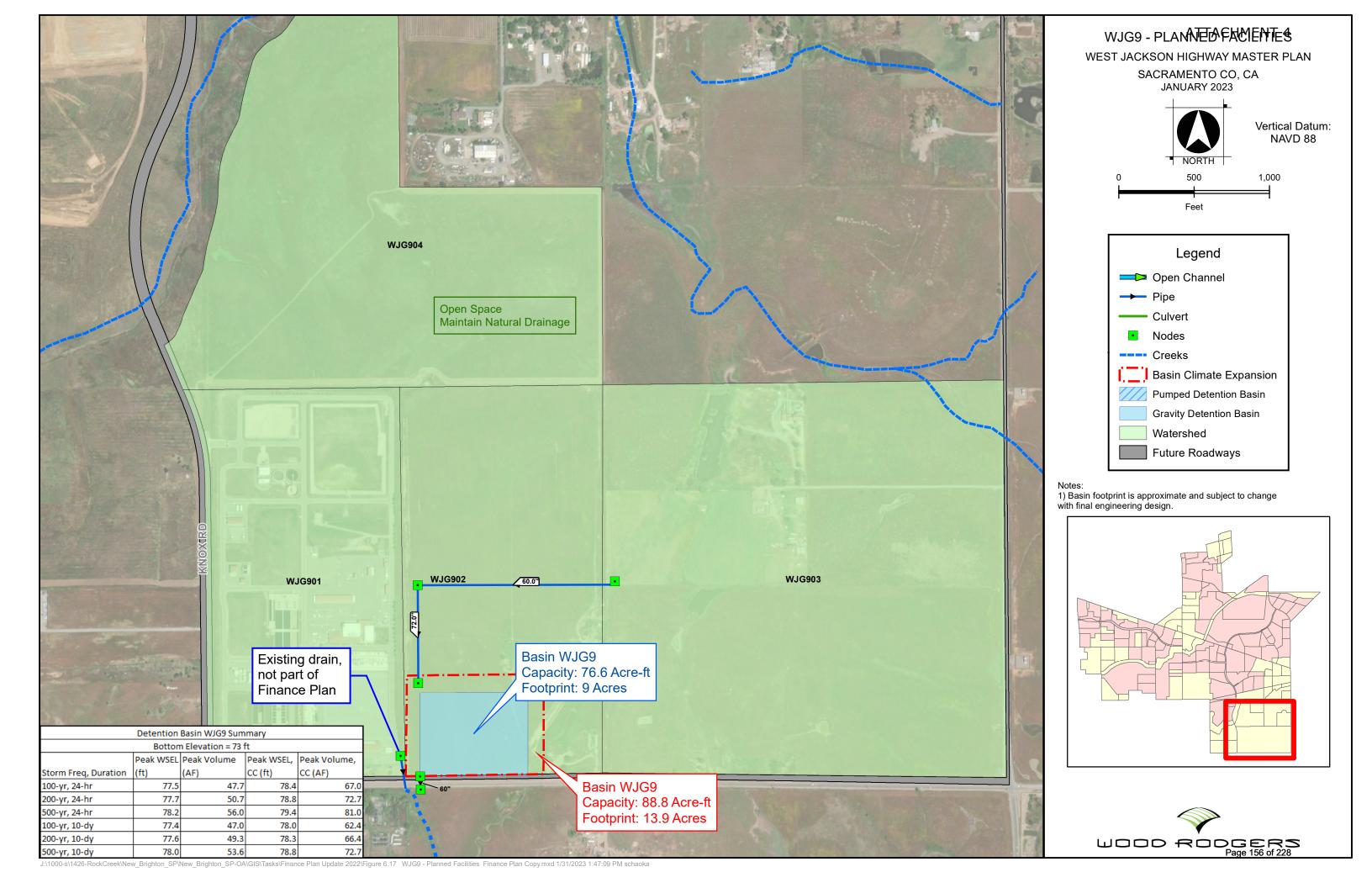


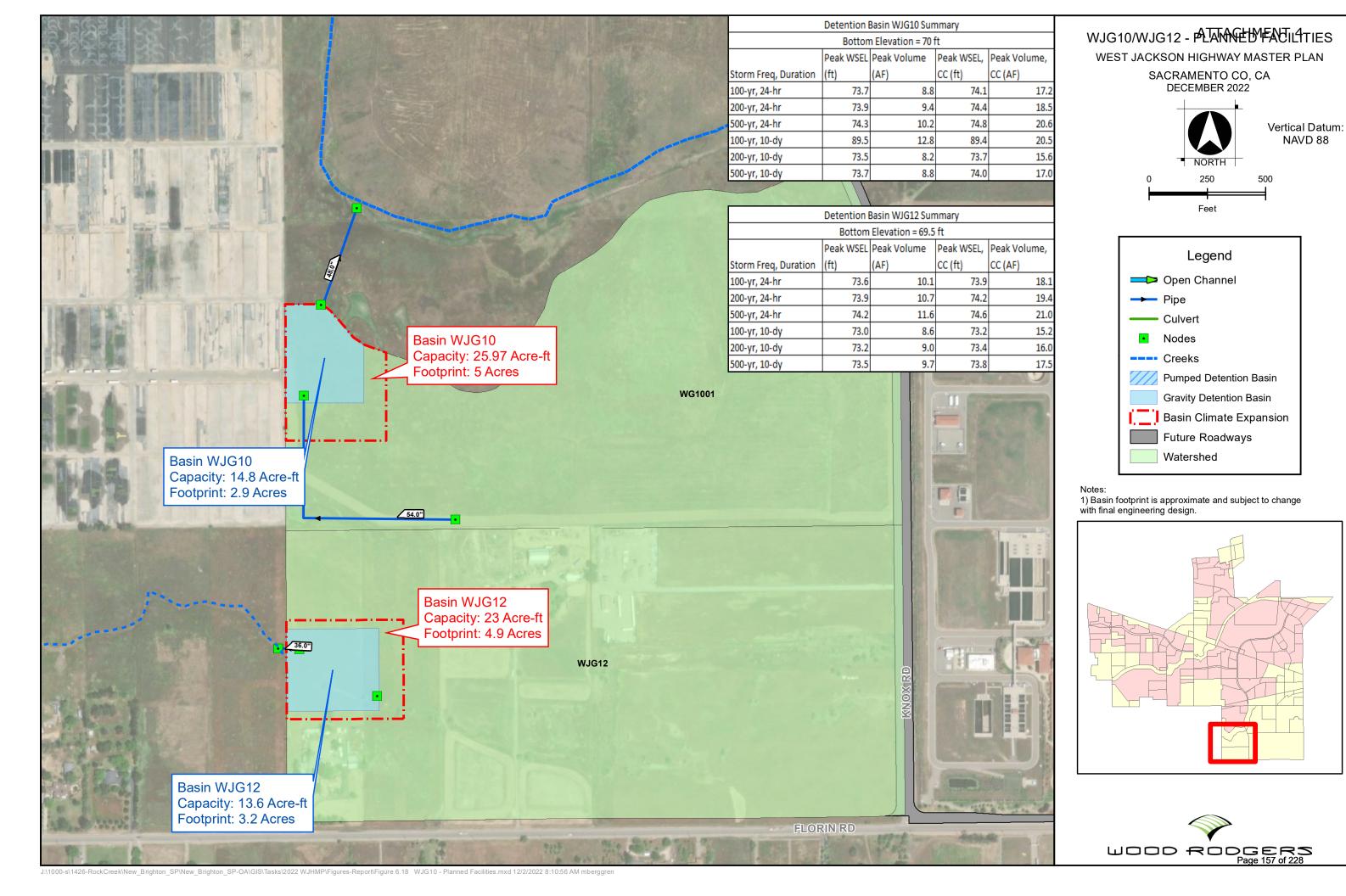


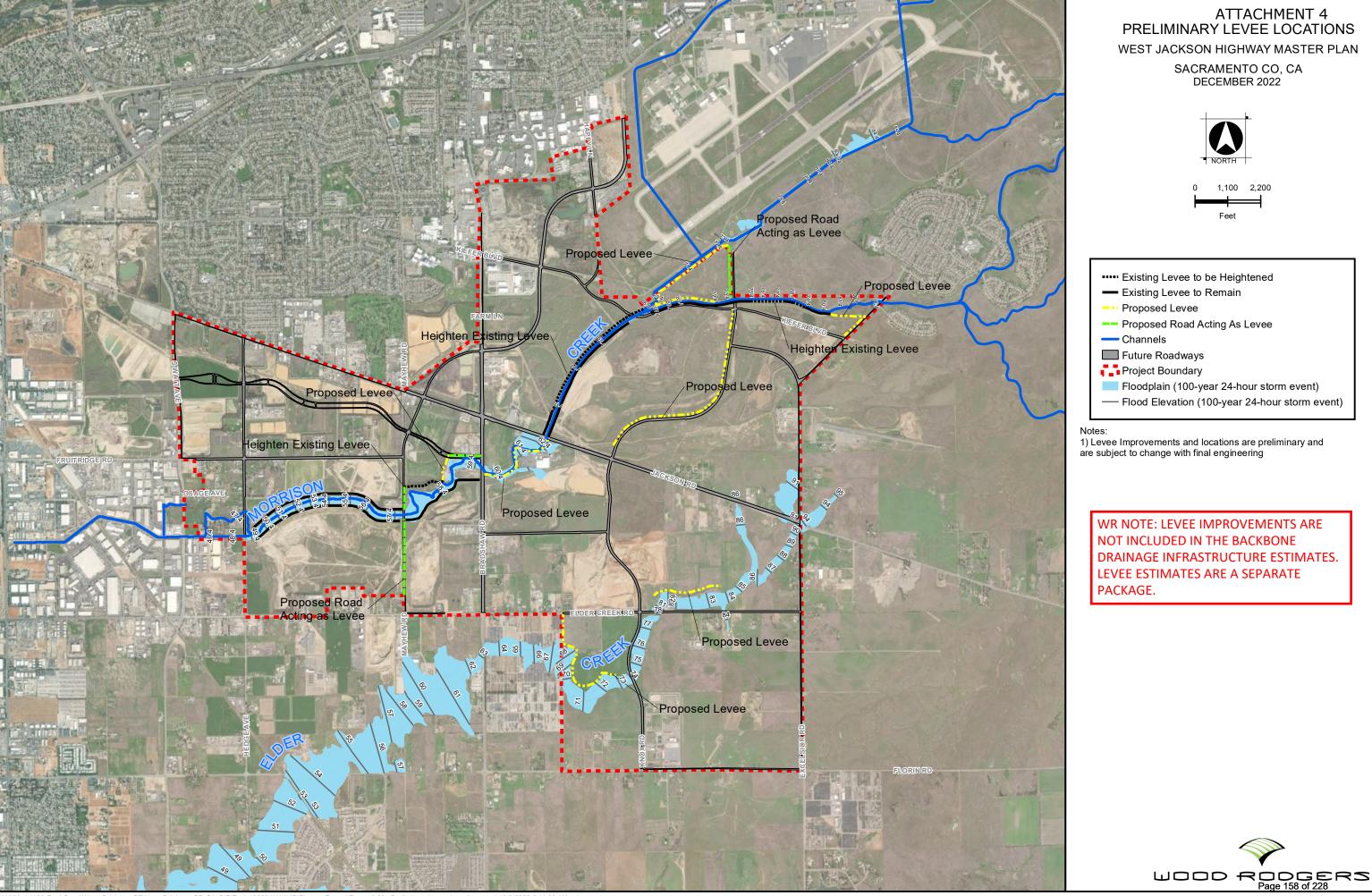














ATTACHMENT 4: SEWER BACKBONE COST ESTIMATES



Engineer's Opinion of Preliminary Cost Preliminary Backbone (Trunk) Sewer Infrastructure

Updated: 9/28/2023	
Total Finance Area A Sewer	\$ 22,820,000
Total Finance Area B Sewer	\$ 10,190,000
Total Finance Area C Sewer	\$ 25,570,000
TOTAL SEWER INFRASTRUCTURE	\$ 58,580,000

NOTES

- 1. Unit cost for the same size pipe / manhole vary due to proposed depth of infrastructure.
- 2. Based on preliminary nature of studies, 30% contingency is applied.
- 3. Estimate based on level one sewer study update (Amendment) for WJHMP approved March 30, 2023.
- 4. Estimate only includes sewer infrastructure that is 12-inch gravity main or greater and lift stations, as it is intended to serve broad areas of development.
- 5. Estimate does not include surface repair at roadway crossings with proposed sewer.
- 6. Estimate includes a 20% soft cost allowance. Assumed to be engineering (8%), mapping (1%), plan check (2%), inspection (3%), geotech (3%), and staking (3%).
- 7. Lift Station cost is estimated at \$1.1 million plus \$1.05 million per 1 mgd pumped and includes general site work, underground, and electrical.
- 8. Costs reflect 2023 dollars.
- 9. Quantities not explicitly detailed within are not included as part of this estimate.



Preliminary Backbone (Trunk) Sewer Infrastructure Finance Area A

1-1		0	1.1		ć / II. *·	T-1-1
Identifier	Description	Quantity	Unit		\$ / Unit	Total
A-S1	Jackson Hwy (Bradshaw to Excelsior)					
	27" Sanitary Sewer (20' deep)	3,500	LF	\$	440 \$	1,540,000
	30" Sanitary Sewer (24' deep)	7,900	LF	\$	480 \$	3,792,000
	72" Sewer Manholes (22'deep)	25	EA	\$	20,000 \$	500,000
	Soft Costs				20% \$	1,166,400
	Contingency				30% \$	2,099,520
					\$	9,100,000
A-S2	Excelsior Road (Jackson Hwy and 3200 LF North)					
	18" Sanitary Sewer (12' deep)	1,050	LF	\$	275 \$	288,750
	21" Sanitary Sewer (14' deep)	2,150	LF	\$	300 \$	645,000
	60" Sewer Manholes (14' deep)	8	EA	\$	15,000 \$	120,000
	Soft Costs				20% \$	210,750
	Contingency				30% \$	379,350
					\$	1,650,000
A-S3	Aspen VI Basin (Vineyard Road N. of Jackson) - Greenfiel	d				
	15" Sanitary Sewer (16' deep)	 2,300	LF	\$	200 \$	460,000
	Sewer Lift Station	1.91	mgd	-	\$	3,105,500
	10" Force Main	2,600	LF	\$	140 \$	364,000
	60" Sewer Manholes (16' deep)	8	EA	\$	15,500 \$	124,000
	Soft Costs				20% \$	810,700
	Contingency				30% \$	1,459,260
					\$	6,330,000
A-S4	Granite Property (North of and along Kiefer) - Greenfield	<u>i</u>				
	12" Sanitary Sewer (North of Kiefer, D=14')	1,600	LF	\$	160 \$	256,000
	60" Sewer Manholes (North of Kiefer, D=14')	5	EA	\$	15,000 \$	75,000
	15" Sanitary Sewer (Kiefer E. of Bradshaw, D=20')	3,200	LF	\$	210 \$	672,000
	18" Sanitary Sewer (Kiefer E. of Bradshaw, D=22')	450	LF	\$	260 \$	117,000
	60" Sewer Manholes(Kiefer E. of Bradshaw,D=22')	7	EA	\$	16,000 \$	112,000
	Soft Costs				20% \$	246,400
	Contingency				30% \$	443,520
					\$	1,930,000
A-S5	Bradshaw Road (Just North of Jackson Hwy)					
	12" Sanitary Sewer (16' deep)	1,700		\$	210 \$	357,000
	15" Sanitary Sewer (20' deep)	950	LF	\$	245 \$	232,750
	60" Sewer Manholes (18' deep)		EA	\$	15,750 \$	110,250
	Sewer Lift Station		mgd	-	\$	1,688,000
	8" Force Main	400	LF	\$	130 \$	52,000
	Soft Costs				20% \$	488,000
	Contingency				30% \$	878,400
					\$	3,810,000

TOTAL FINANCE AREA A SEWER

\$ 22,820,000



Preliminary Backbone (Trunk) Sewer Infrastructure Finance Area B

dentifier	Description	Quantity	Unit		\$ / Unit	Total
·S1	Aspen 2 Basin (North of Fruitridge just East of Sout	th Watt) - Partia	l Greer	field		
	12" Sanitary Sewer (16' deep)	900	LF	\$	180	\$ 162,000
	15" Sanitary Sewer (20' deep)	1,600	LF	\$	210	\$ 336,000
	Sanitary Sewer Lift Station - South Watt	1.06	mgd	-		\$ 2,213,000
	10" Force Main- South Watt	1,400	LF	\$	140	\$ 196,000
	60" Sewer Manholes (18' deep)	6	EA	\$	15,750	\$ 94,500
	Soft Costs				20%	\$ 600,300
	Contingency				30%	\$ 1,080,540
						\$ 4,680,000
·S2	Aspen 3 Basin (North of Fruitridge just West of Ma	yhew) - Greenfi	<u>eld</u>			
	18" Sanitary Sewer (20' deep)	1,500	LF	\$	250	\$ 375,000
	Sanitary Sewer Lift Station (Fruitridge Road)	1.90	mgd	-		\$ 3,095,000
	60" Sewer Manholes (20' deep)	4	EA	\$	15,900	\$ 63,600
	Soft Costs				20%	\$ 706,720
	Contingency				30%	\$ 1,272,096
						\$ 5,510,000
OTAI FIN	ANCE AREA B SEWER					\$ 10,190,000



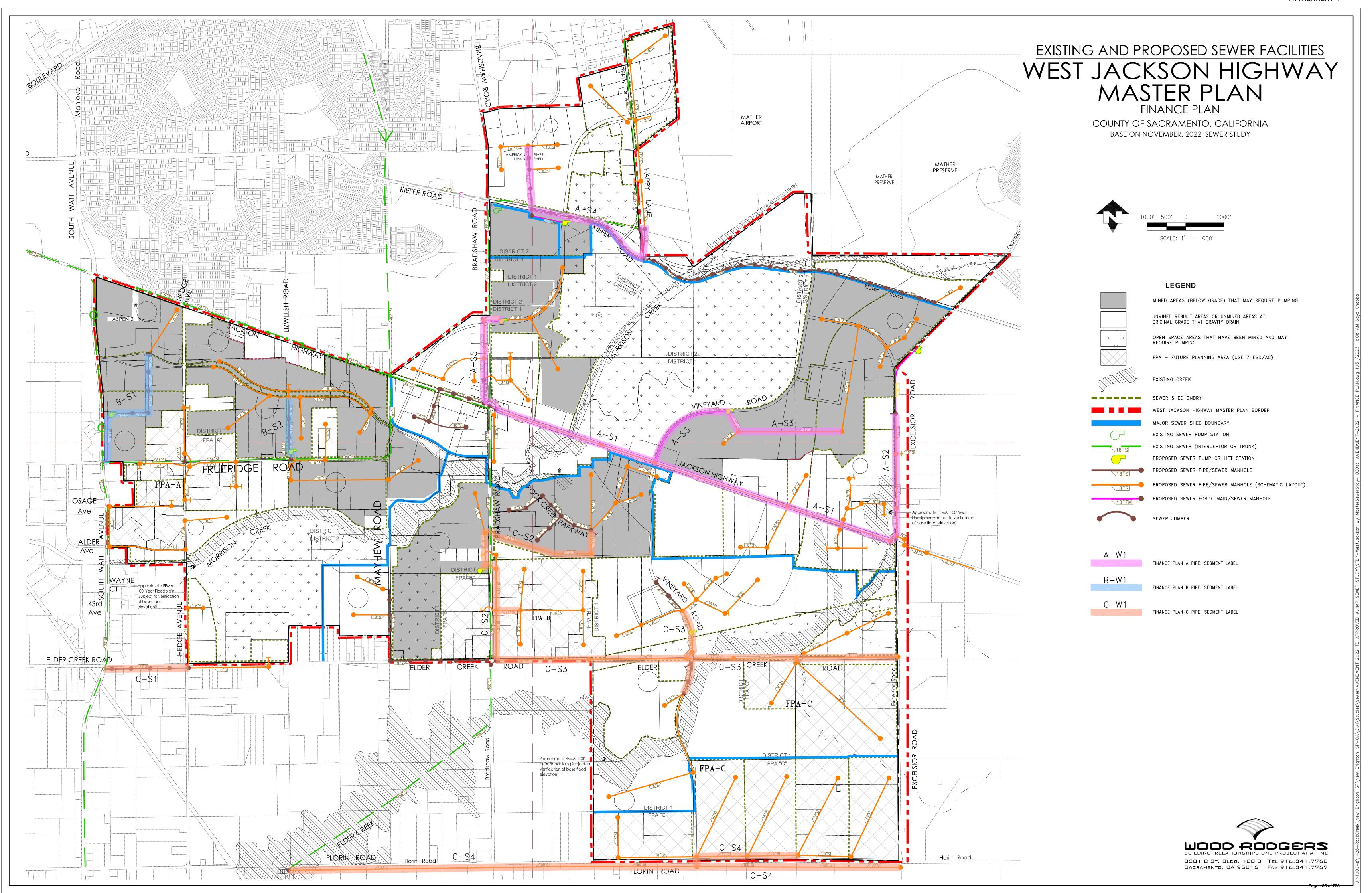
Preliminary Backbone (Trunk) Sewer Infrastructure Finance Area C

Identifier	Description	Quantity	Unit		\$ / Unit	Total
C-S1	Elder Creek Rd (Outfall West to S. Watt)					
	21" Sanitary Sewer (28' deep)	2,200	LF	\$	300 \$	660,00
	60" Sewer Manholes (28' deep)	5	EA	\$	16,500 \$	82,50
	Soft Costs				20% \$	148,50
	Contingency				30% \$	267,30
•					\$	1,160,00
C-S2	Aspen 4 South (Bradshaw N of Elder Creek Rd) - Partia	l Greenfield				
	12" Sanitary Sewer (16' deep)	4,200	LF	\$	180 \$	756,00
	15" Sanitary Sewer (26' deep)	2,300	LF	\$	240 \$	552,00
	21" Sanitary Sewer (26' deep)	1,300	LF	\$	290 \$	377,00
	60" Sewer Manholes (22' deep)	15	EA	\$	16,000 \$	240,00
	Sanitary Sewer Lift Station - Bradshaw South	1.33	mgd	-	\$	2,496,50
	Soft Costs				20% \$	884,30
	Contingency				30% \$	1,591,74
·					\$	6,900,00
:-S3	Elder Creek Rd (Bradshaw to Excelsior) - Partial Greenf	<u>ield</u>				
	12" Sanitary Sewer(Future Vineyard Rd, 28' deep)	1,300	LF	\$	240 \$	312,00
	15" Sanitary Sewer (26' deep)	2,600	LF	\$	275 \$	715,00
	15" Sanitary Sewer(Future Vineyard Rd, 26' deep)	1,100	LF	\$	240 \$	264,00
	18" Sanitary Sewer(22' deep)	200	LF	\$	300 \$	60,00
	21" Sanitary Sewer (28' deep)	1,700	LF	\$	300 \$	510,00
	24" Sanitary Sewer (28' deep)	4,700	LF	\$	370 \$	1,739,00
	60" Sewer Manholes (28' deep)	28	EA	\$	16,500 \$	462,00
	Sanitary Sewer Lift Station - Vineyard North	1.35	mgd	-	\$	2,517,50
	Soft Costs				20% \$	1,315,90
	Contingency				30% \$	2,368,62
•					\$	10,260,00
C-S4	Florin Road (SCWA Property to the East)					
	12" Sanitary Sewer (26' deep)	1,300	LF	\$	260 \$	338,00
	15" Sanitary Sewer (22' deep)	1,300	LF	\$	255 \$	331,50
	18" Sanitary Sewer (26' deep)	250	LF	\$	320 \$	80,00
	18" San. Sewer (size TBD to Florin Road) 26' deep	10,700	LF	\$	320 \$	3,424,00
	60" Sewer Manholes (26' deep)	29	EA	\$	16,300 \$	472,70
	Soft Costs				20% \$	929,24
	Contingency				30% \$	1,672,63
•					\$	7,250,00
	ANCE AREA C SEWER					25,570,00

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ATTACHMENT 5: SEWER BACKBONE EXHIBITS WITH SEGMENT KEY MAPPING





ATTACHMENT 6: WATER BACKBONE COST ESTIMATES



Preliminary Backbone (Transmission) Water Infrastructure

Updated: 9/29/2023	
California American Water (CA)	
Finance Area A	\$ 3,680,000
Off-Site for Finance Area A	\$ 780,000
Finance Area B	\$ 18,360,000
SUBTOTAL BACKBONE CAL-AM WATER INFRASTRUCTURE	\$ 22,820,000
Sacramento County Water Agency (SCWA)	
Finance Area A	\$ 7,080,000
Off-Site for Finance Area A	\$ 16,740,000
Finance Area B	\$ 3,240,000
Off-Site for Finance Area B	\$ 10,570,000
Finance Area C	\$ 3,910,000
SUBTOTAL BACKBONE SCWA WATER INFRASTRUCTURE	\$ 41,540,000
TOTAL BACKBONE WATER INFRASTRUCTURE	\$ 64,360,000

NOTES

- 1. Linear footage cost for pipes include valves and appurtenances.
- 2. Based on preliminary nature of studies, 30% contingency is applied.
- 3. Estimate based on level one water study updates for WJHMP for two water purveyors: SCWA water study approved January 31, 2023; and CalAm water study approved February 3, 2023.
- 4. Estimate only includes water infrastructure that is 12-inch main or greater, as it is intended to serve broad areas of development. For SCWA, only transmission mains identified in the SCWA WSIP are creditable.
- 5. Estimate includes a 20% soft cost allowance. Assumed to be engineering (8%), mapping (1%), plan check (2%), inspection (3%), geotech (3%), and staking (3%).
- 6. Costs reflect 2023 dollars.
- 7. Quantities not explicitly detailed within are not included as part of this estimate.

Preliminary Backbone (Transmission) Water Infrastructure Finance Area A

CA= Cal-American Water Agency, SC=Sac County Water Agency

Identifier	Description	Quantity Unit	\$ / Unit	Total
A-W1 (CA)	Jackson Hwy (Mayhew to Bradshaw Road)			
(Jackson Hwy)	<u> </u>	2,740 LF	\$ 185 \$	506,900
(Bradshaw)	16" Water	4,000 LF	\$ 185 \$	740,000
	Soft Costs		20% \$	249,380
	Contingency		30% \$	448,884
			\$	1,950,000
A-W2 (CA)	Property North of Jackson Hwy to Granite Prop - Green	<u>nfield</u>		
	12" Water Greenfield	7,660 LF	\$ 145 \$	1,110,700
	Soft Costs		20% \$	222,140
	Contingency		30% \$	399,852
			\$	1,730,000
A-W3 (SC)	Vineyard Road from Jackson Hwy to Kiefer Road - Gree	<u>enfield</u>		
	16" Water Greenfield	7,560 LF	\$ 165 \$	1,247,400
	Soft Costs		20% \$	249,480
	Contingency		30% \$	449,064
			\$	1,950,000
A-W4 (SC)	Jackson Hwy from CA/SC Border to Excelsior Rd			
	18" Water	6,620 LF	\$ 210 \$	1,390,200
	Soft Costs		20% \$	278,040
	Contingency		30% \$	500,472
			\$	2,170,000
A-W5 (SC)	Excelsior Rd from Jackson Hwy to Vineyard Rd - Partial	Greenfield		
	16" Water	6,850 LF	\$ 185 \$	1,267,250
	Kiefer Road from Vineyard Rd to Excelsior Rd - Greenfi	<u>eld</u>		
	16" Water Greenfield	3,810 LF	\$ 165 \$	628,650
	Soft Costs		20% \$	379,180
	Contingency		30% \$	682,524
			\$	2,960,000
TOTAL FINANCE	AREA A WATER		\$	10,760,000

	OFF-SITE (REQUIRED WATER TO COMPLETE FINANCE A	AREA A)			
OS-AW1 (CA)	Mayhew Road north of Jackson Hwy				
0371111 (671)	12" Water	3,030 LF	\$	165 \$	499,950
	Soft Costs	2,000	*	20% \$	99,990
	Contingency			30% \$	179,982
				\$	780,000
OS-AW2 (SC)	Bradshaw Road from OS-AW3 Connection to Elder Cree	ek Rd			
	16" Water	2,680 LF	\$	185 \$	495,800
	Soft Costs			20% \$	99,160
	Contingency			30% \$	178,488
				\$	780,000
OS-AW3 (SC)	Connection from Bradshaw Rd to Vineyard Rd - Greenfi	•			
	16" Water	4,190 LF	\$	185 \$	775,150
	AB Access Road	4,190 LF	\$	55 \$	230,450
	Soft Costs			20% \$	201,120
	Contingency			30% \$	301,680
				\$	1,510,000
OS-AW4 (SC)	Excelsior Road from Jackson Hwy to Elder Creek Rd				
	24" Water	3,000 LF	\$	265 \$	795,000
	Soft Costs			20% \$	159,000
	Contingency			30% \$	286,200.00
				\$	1,250,000
OS-AW5 (SC)	Excelsior Road from Elder Creek Road to Florin Rd				
	24" Water	5,440 LF	\$	265 \$	1,441,600
[Placeholder]	Tank, Booster Pump, Tank Site Development	1 EA	\$	5,000,000 \$	5,000,000
	Soft Costs			20% \$	1,288,320
	Contingency			30% \$	2,318,976
				\$	10,050,000
OS-AW6 (SC)	Bradshaw Road from Elder Creek Rd to Florin Road				
	24" Water	5,450 LF	\$	265 \$	1,444,250
	Soft Costs			20% \$	288,850
	Contingency			30% \$	519,930
				\$	2,260,000
OS-AW7 (SC)	Vineyard Road from Jackson Hwy heading south - Gree	nfield (cross cou	ntry)		
	16" Water	2,460 LF	\$	185 \$	455,100
	AB Access Road	2,460 LF	\$	55 \$	135,300
	Soft Costs			20% \$	118,080
	Contingency			30% \$	177,120
				\$	890,000
	OFF-SITE (REQUIRED WATER TO COMPLETE FINANCE A	AREA A)		\$	17,520,000

28,280,000

GRAND TOTAL

Preliminary Backbone (Transmission) Water Infrastructure Finance Area B

CA= Cal-American Water Agency, SC=Sac County Water Agency

Identifier	Description	Quantity Unit	\$ / Unit	Total
B-W1 (CA)	Jackson Hwy from S. Watt to Mayhew			
	24" Water	8,140 LF	\$ 265 \$	2,157,100
[Placeholder]	Tank, Booster Pump, Tank Site Development	1 EA .	5,000,000 \$	5,000,000
	Soft Costs		20% \$	1,431,420
	Contingency		30% \$	2,576,556
			\$	11,170,000
B-W2 (CA)	Rock Creek Pkwy from S.Watt to Bradshaw - Greent	<u>field</u>		
	16" Water Greenfield	11,040 LF	\$ 165 \$	1,821,600
	Soft Costs		20% \$	364,320
	Contingency		30% \$	655,776
			\$	2,840,000
B-W3 (CA)	Mayhew Road from Jackson Rd to Fruitridge Road -	Greenfield		
	16" Water Greenfield	2,100 LF	165 \$	346,500
	Soft Costs		20% \$	69,300
	Contingency		30% \$	124,740
			\$	540,000
B-W4 (SC)	Fruitridge Road from Hedge to Bradshaw Rd			
	16" Water	8,880 LF	\$ 185 \$	1,642,800
	Soft Costs		20% \$	328,560
	Contingency		30% \$	591,408
			\$	2,560,000
B-W5 (SC)	Hedge from Fruitridge to Morrison Creek			
	12" Water	2,650 LF	165 \$	437,250
	Soft Costs		20% \$	87,450
	Contingency		30% \$	157,410
			\$	680,000
B-W6 (CA)	S. Watt from Jackson Hwy to Rock Creek Pkwy			
	16" Water	3,200 LF	\$ 185 \$	592,000
	Pavement Cut/ Replacement & Traffic Control	3,200 LF	50 \$	160,000
	Soft Costs		20% \$	118,400
	Contingency		30% \$	261,120
			\$	1,130,000
B-W7 (CA)	S. Watt from Folsom Blvd to Jackson Hwy		_	
	24" Water		265 \$	1,484,000
	Pavement Cut/ Replacement & Traffic Control	5,600 LF	50 \$	280,000
	Soft Costs		20% \$	296,800
	Contingency		30% \$	618,240
			\$	2,680,000
TOTAL FINANC	E AREA B WATER		\$	21,600,000

	OFF-SITE (REQUIRED WATER TO COMPLETE FINANCE A	REA B)			
OS-BW1 (CA)	Bradshaw from Jackson Hwy to Fruitridge Rd 16" Water	1 220 15	ć	10F Ć	244 200
	Soft Costs	1,320 LF	\$	185 \$ 20% \$	244,200
				20% \$ 30% \$	48,840 87,912
	Contingency			\$	380,000
				Ţ	380,000
OS-BW2 (SC)	Hedge Ave from Morrison Creek to Elder Creek Rd				
	16" Water	2,650 LF	\$	185 \$	490,250
	Soft Costs			20% \$	98,050
	Contingency			30% \$	176,490
				\$	760,000
OS-BW3 (SC)	Elder Creek Road from S. Watt to Bradshaw				
	16" Water	10,100 LF	\$	185 \$	1,868,500
	Soft Costs			20% \$	373,700
	Contingency			30% \$	672,660
				\$	2,910,000
OS-BW4 (SC)	Elder Creek Road from Bradshaw to Excelsior				
(,	30" Water	5,230 LF	\$	335 \$	1,752,050
	42" Water	5,400 LF	\$	435 \$	2,349,000
	Soft Costs	2,122 =	*	20% \$	350,410
	Contingency			30% \$	1,335,438
				\$	5,790,000
OS-BW5 (SC)	Bradshaw from Fruitridge Rd to OS-AW3 Connection				
	16" Water	2,540 LF	\$	185 \$	469,900
	Soft Costs			20% \$	93,980
	Contingency			30% \$	169,164
				\$	730,000
	OFF-SITE (REQUIRED WATER TO COMPLETE FINANCE A	REA B)		\$	10,570,000
		<u>-</u>		Ψ.	,_,

32,170,000

GRAND TOTAL

Preliminary Backbone (Transmission) Water Infrastructure Finance Area C

CA= Cal-American Water Agency, SC=Sac County Water Agency

Identifier	Description	Quantity Ur	nit \$/l	Jnit	Total
C-W1 (SC)	Vineyard Road from Elder Creek Rd heading north to m	neet OS-AW7 - (Greenfield		
,	16" Water Greenfield	3,020 LF	\$	165 \$	498,300
	Soft Costs			20% \$	99,660
	Contingency			30% \$	179,388
				\$	780,000
C-W2 (SC)	Vineyard Road from Elder Creek Rd to Florin - Greenfie	<u>ld</u>			
	36" Water Greenfield	5,500 LF	\$	365 \$	2,007,500
	Soft Costs			20% \$	401,500
	Contingency			30% \$	722,700
				\$	3,130,000
TOTAL FINANC	E AREA C WATER			\$	3,910,000



ATTACHMENT 7: WATER BACKBONE EXHIBITS WITH SEGMENT KEY MAPPING





Technical Memorandum

UOOD RODGERS BUILDING RELATIONSHIPS ONE PROJECT AT A TIME

To: Mike Isle, Stonebridge Properties

Yasha Saber, Compass Land Group

From: Peter Blum, P.E.

Matt Zimmerman, P.E.

CC: Mike Motroni, P.E.

Date: November 13, 2024

Subject: West Jackson Highway Master Plan

Levee Improvements Opinion of Probable Construction Costs

INTRODUCTION

This technical memorandum summarizes the opinion of probable costs (OPC) for improving the levee system for portions of Morrison Creek and Elder Creek in Sacramento County, California as part of the West Jackson Highway Master Plan (WJHMP) project. The purpose of this OPC is to estimate, at a high level, the construction costs to bring the flood protection system for the proposed development into compliance with the California Department of Water Resources (DWR) Urban Level of Flood Protection Criteria (ULOP) (**Reference 1**) and the Sacramento County Floodplain Management Ordinance No. SZC-2016-0023 (**Reference 2**). The DWR Urban Levee Design Criteria (ULDC) (**Reference 3**) outlines the engineering criteria for levees to provide the level of flood protection required by ULOP.

Hydrology and hydraulics (H&H) analyses were conducted by Wood Rodgers, Inc. (Wood Rodgers) as outlined in the Technical Memorandum entitled: *Morrison Creek Levee Deficiency Analysis* dated August 23, 2024 (**Reference 4**) A preliminary geotechnical analysis was also conducted by Blackburn Consulting (Blackburn) for this study and is outlined in the report entitled: *Draft Preliminary Geotechnical Evaluation Report, Morrison Creek Basin Levee System, West Jackson Highway Master Plan* dated October 2024 (**Reference 5**). These analyses only evaluated if the existing levees meet ULDC requirements with respect to levee geometry and freeboard. Other considerations for levee ULDC compliance, including levee slope stability, seepage, erosion, wind/wave runup, penetrations and encroachments were not a part of the evaluation. However, for the purposes of developing planning-level cost estimates, seepage and stability mitigation measures were anticipated to potentially be required where the levees are situated adjacent to existing mining pits.

BASIS FOR LEVEE IMPROVEMENTS QUANTITY AND COST ESTIMATE

To estimate construction quantities for development of the OPC for the levee improvements, potential remediation measures for improving the levee system were developed. It is noted that the remediation measures selected are preliminary and were developed solely for finance planning purposes and the levees may require more or less robust remediation measures pending more in-depth engineering design analyses.

The existing levee geometries and topography along the project levee alignments were analyzed by developing cross sections cut from an existing ground topographic model at 50-foot intervals. The existing



West Jackson Highway Master Plan evee Improvements Opinion of Probable Construction Costs

November 13, 2024

ground topographic model was informed by a one-meter resolution digital elevation model (DEM) titled *USGS one meter x64y427 CA NoCAL Wildfires B5a 2018* (**Reference 6**) which was developed from Light Detection and Ranging (LiDAR) data collected by the United States Geological Survey (USGS) between August 2018 and March 2019. Additional topographic information used to supplement the USGS DEM were informed by field surveys of the Aspen VI site (within Finance Area A as shown on Figure 1, attached) performed by Wood Rodgers in July 2023.

Where a levee currently exists, the existing geometry was reviewed to see if a theoretical levee prism meeting the requirements of the DWR ULDC was contained within the existing physical levee prism. The theoretical levee prism for existing levees is defined as the following:

- Top of the levee prism placed a minimum of 3 feet above the 200-year design water surface elevation (DWSE)
- Crown width of 20 feet
- Landside slope of 2 Horizontal:1 Vertical (2H:1V)
- Waterside slope of 3H:1V

Where the theoretical levee prism was determined to not be fully contained within the existing levee, levee geometry remediation was assumed to be required. Levee geometry remediation would involve reconstructing the existing levee embankment by raising the levee crown and/or shifting the levee centerline alignment landward to meet the ULDC geometry requirements for existing levees (listed above).

Where there is no existing levee, or where the 200-year floodplain is not contained, a new levee was assumed to be required. New levees were preliminarily designed to meet the following requirements:

- Top of the prism placed a minimum of 3 feet above the 200-year design water surface elevation (DWSE)
- Crown width of 20 feet
- Landside and waterside slopes of 3H:1V

Per the Sacramento County Floodplain Management Ordinance No. SZC-2016-0023 (Reference 2), Section 906-02 "Residential Elevation," Part F, "New residential construction subject to Urban Level of Flood Protection must have the lowest floor at or above the 200-year water surface elevation or be protected by a levee that provides an Urban Level of Flood Protection." Per the 2018 Sacramento County Improvement Standards (**Reference 7**), Section 9, Part 9-1G, "All new structures shall be protected from the 100-year (1%) flood event. Certified pad elevations shall be set at least one and two tenths foot (1.2') above all sources of 100-year flooding." Given these requirements, where the existing ground is 1 foot above the 200-year DWSE and 1.2 foot above the 100-year DWSE, it was determined that high ground is present, and a new levee would not be required. However, final design may allow for pads to be at or above the 200-year DWSE.

Much of the levee segments are aligned adjacent to existing mining pits situated on the landside of the levee. The pit bottoms are up to 45' below the top of levee elevations and are significantly lower in elevation than the Morrison Creek channel bottom. Given this, there is potential for seepage through the levees and mined slopes, which could lead to internal levee or underlying foundation erosion and possible levee failure. Therefore, it was assumed that soil bentonite seepage cutoff walls would be required through the levees and into the underlying levee foundation where mining pits are present to mitigate for potential seepage failure. It was assumed that the cutoff walls would extend 20 feet below the lowest levee toe elevation in a reach. Future geotechnical explorations and analyses (slope stability, though seepage, underseepage) should be



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conducted on the levees to determine what remediation is actually required to bring the levee system into compliance with ULDC.

There are 12 total levee alignments reviewed along Morrison Creek and Elder Creek. Each levee alignment was divided into segments (18 total) that were determined based on their locations and were grouped by financial plan area per the WJHMP. Each levee segment was further divided into reaches where the existing conditions were similar and would be addressed by a common potential remediation measure. The proposed levee segments and reaches, along with the potential remediation measures, are shown in Figure 1 (attached). It is noted that the Wood Rodgers H&H analysis (Reference 4) and the Blackburn geotechnical evaluation (Reference 5) do not include the Elder Creek Levees.

It is noted that Morrison Creek South 2 Segment 2 is aligned to cross Excelsior Road and into high ground approximately 110' east of the roadway. This would require Excelsior Road to be raised to correspond to the minimum levee height (approximately 4').

GRANITE I WEIR

Included in the OPC is a cost estimate for improvements to the existing Granite I Weir (Weir). The Weir is located at the south bank of Morrison Creek in between Morrison Creek South 1 Segment 4 and Morrison Creek South 2 Segment 1 (see Figure 1). The weir is approximately 850 feet long and is between 6' and 7' below the adjacent tops of levees. The Weir is currently armored with a geogrid reinforced surface (per Reference 4) and rock slope protection (RSP) at the landside toe. The condition of the existing erosion protection is unknown but was assumed to be inadequate for providing the necessary erosion protection due to overtopping flows from Morrison Creek. It was assumed that placement of new RSP armoring on the existing weir slopes would be an adequate method for providing erosion protection.

The RSP was sized based on the estimated weir overtopping depth at the 200-year WSE (5'±). Using this information to estimate the weir flowrate and applying to the recommendations from the technical report Design of Rock Chutes (Reference 8), it is estimated that a 4-foot-thick layer of Caltrans Class VII RSP underlain by Caltrans Class 8 RSP Fabric would be sufficient to provide the necessary erosion protection for the Weir at the 200-year WSE. A 20' wide concrete weir cap is also recommended to maintain operation and maintenance (0&M) access across the weir to the levees on either side.

It is noted that these recommendations for the proposed improvements to the Granite I Weir were determined at a high level and should be further analyzed from a hydraulic and geotechnical perspective to develop and implement the most appropriate measure.

QUANTITY & COST ESTIMATE

Preliminary quantity and cost estimates were prepared for the potential remediation measures in each of the levee segments and the Weir and are presented in **Appendix A**. The estimated quantities for construction of the improvements were developed using a representative cross section taken at each reach. The quantities developed from the representative cross section were then applied to the entire reach.

Unit prices for typical levee construction items (e.g.: clearing and grubbing, levee stripping, levee embankment fill, etc.) were determined based upon recent contractor bid summaries for similar levee improvement projects in Northern California.



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For the purposes of developing the quantity and cost estimates, and because the existing levee material composition has not undergone thorough engineering evaluations, it was assumed that material generated from levee degrade and excavations cannot be reused as levee embankment fill. However, it was assumed that this material could be used for fills required at the proposed development adjacent to the levees. All required levee embankment fill used to grade, regrade, and/or reconstruct the levees is assumed to be imported from yet-to-be identified borrow sites located within 15 miles of the project. Material shrinkage from in-place (bank) yardage to ultimate placement and compaction was assumed to be 20 percent. Borrow acreages for determining the limits of stripping, clearing and grubbing, etc., were estimated assuming a borrow depth of five feet.

Land acquisition, including permanent easements and temporary construction easements for the levee improvements, were not included in the cost estimates. It was assumed that the lands will be acquired as part of the overall development or are already owned by the participating developers.

Because the estimates are based on a preliminary planning-level design, a contingency amount of fifty percent was included. Planning, Engineering, and Design were included at 12% of the construction cost and Construction Management was estimated at 15% of the construction cost.

It is noted that the existing ground along the "Supplemental 3" alignment from Station 0+00 to 20+75 is high ground. The current grading plan for the lands north of the "Supplemental 4" alignment calls for filling the location above the minimum requirements for the area to be considered high ground. As such, these levee reaches do not require any improvements and thus were not included in the quantity and cost estimate.

The cost estimates reflect 2024 cost levels.



West Jackson Highway Master Plan Levee Improvements Opinion of Probable Construction Costs November 13, 2024

REFERENCES

- 1. State of California, Natural Resources Agency, Department of Water Resources, *Urban Level of Flood Protection Criteria*, November 2013. Sacramento, CA.
- 2. State of California, Natural Resources Agency, Department of Water Resources, *Urban Levee Design Criteria*, May 2012, Sacramento, CA.
- 3. Sacramento County Department of Water Resources, *Sacramento County Floodplain Management Ordinance No. SZC-2016-0023*, Effective January 13, 2017.
- 4. Wood Rodgers, Technical Memorandum Morrison Creek Levee Deficiency Analysis, August 23, 2024.
- 5. Blackburn, Draft Preliminary Geotechnical Evaluation Report, Morrison Creek Basin Levee System, West Jackson Highway Master Plan, October 2024.
- 6. U.S. Geological Survey, *20200108, USGS one meter x64y427 CA NoCAL Wildfires B5a 2018:* U.S. Geological Survey, Publication Date January 8 2020.
- 7. Sacramento County, Sacramento County Improvement Standards, Section 9 "Storm Drainage Design," Adopted April 1, 2018.
- 8. Robinson K.M., Rice C.E., Kadavy K.C., 1998 American Society of Agricultural Engineers, *Design of Rock Chutes*, 1998.

FIGURES

Figure 1 – West Jackson Highway Master Plan – Levee Improvements Opinion of Probable Construction Costs Exhibit, November 13, 2024.

APPENDICES

Appendix A – West Jackson Highway Master Plan Levee Improvements Opinion of Probable Construction Costs, November 13, 2024.





 $\label{eq:West Jackson Highway Master Plan}$ Levee Improvements Opinion of Probable Construction Costs November~13, 2024

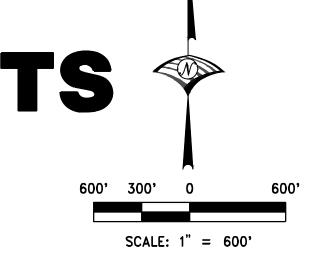
FIGURES

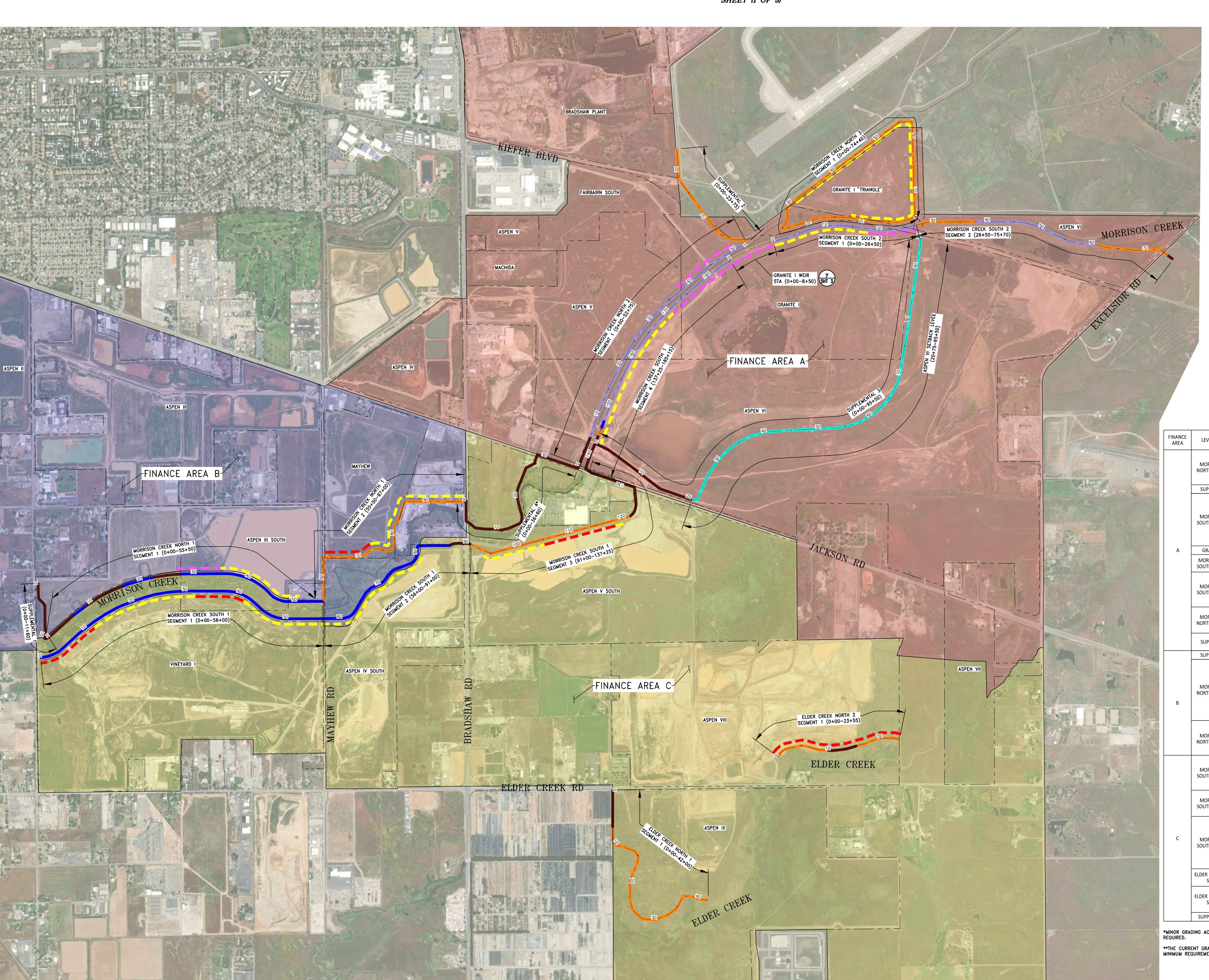
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LEVEE IMPROVEMENTS OPINION OF PROBABLE CONSTRUCTION COSTS 🕈

COUNTY OF SACRAMENTO, CALIFORNIA

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LEGEND: LINETYPE	<u>ITEM</u>	SECTION	REFERENCE
	PROJECT / UNIT BOUNDARY		N/A
	LEVEE ALIGNMENT		N/A
	FINANCE AREA A		N/A
	FINANCE AREA B		N/A
	FINANCE AREA C		N/A
	EXISTING LEVEE GEOMETRY & HEIGHT ULDC COMPLIANT		SHT 2
	EXISTING LEVEE GEOMETRY/HEIGHT DEFICIENCY REMEDIATION		SHT 2
	CONSTRUCT NEW LEVEE		SHT 2
	HIGH GROUND		SHT 2
	CONSTRUCT CUTOFF WALL - SOIL BENTONITE (20'-40' DEP	тн)	SHT 2
	CONSTRUCT CUTOFF WALL - SOIL BENTONITE (40'-60' DEP	тн)	SHT 2
	CONSTRUCT CUTOFF WALL - SOIL BENTONITE (60'-80' DEP	тн)	SHT 2
	ASPEN VI SETBACK LEVEE		6 SHT 3

LEVEE REMEDIATION MEASURES TABLE:

INANCE AREA	LEVEE SEGMENT	STA (REACH)	HIGH GROUND	GEOMETRY OK*	GEOMETRY/HEIGHT REMEDIATION	NEW LEVEE	20'-40' C/O WALL	40'-60' C/O WALL	60'-80' C/O WALI
		0+00-5+50	Х						
	MORRISON CREEK	5+50-37+50			Х				
	NORTH 2 SEGMENT 1	37+50-50+00			Х		х		
		50+00-52+75			Х				
	SUPPLEMENTAL 2	0+00-23+75				Х			
		137+25-142+25	Х						
		142+25-143+75	Х					х	
	MORRISON CREEK	143+75-145+25				Х		х	
	SOUTH 1 SEGMENT 4	145+25-146+75		х				х	
		146+75-170+75			х			х	
		170+75-185+15			х		x		
Α	GRANITE I WEIR	0+00-8+50					x		
	MORRRISON CREEK	0+00-18+00			x			х	
	SOUTH 2 SEGMENT 1	18+00-26+50			x		x		
		26+50-38+00			^	X	^		
	MAODDICON CDEEK	38+00-61+00			X	^			
	MORRISON CREEK SOUTH 2 SEGMENT 2	61+00-74+50			^	v			
		74+50-75+70				Х			-
		0+00-12+00	Х						-
	MORRISON CREEK					Х		Х	
	NORTH 3 SEGMENT 1	12+00-31+00				Х			
		31+00-74+40				Х		Х	
	SUPPLEMENTAL 3	0+00-20+75	Х						
		20+75-95+50				Х			
	SUPPLEMENTAL 1	0+00-11+60	X						
		0+00-6+00	Х						
		6+00-9+00		Х					
	MORRISON CREEK	9+00-16+50	X						
	NORTH 1 SEGMENT 1	16+50-22+50		х					
В		22+50-27+00	Х						
D		27+00-35+00		х			х		
		35+00-51+00		x				х	
		51+00-55+50		Х					
	MORRISON CREEK	55+50-63+50				Х			
	NORTH 1 SEGMENT 2	63+50-73+00				Х			х
		73+00-97+00				Х		х	
		0+00-11+50		х					х
	MORRISON CREEK	11+15-32+00		х				х	
	SOUTH 1 SEGMENT 1	32+00-41+50		х					x
		41+50-56+00		x				х	
		56+00-79+50		x				x	
	MORRISON CREEK	79+50-87+00		x				^	
	SOUTH 1 SEGMENT 2	87+00-91+00	v	^					
		91+00-94+00	Х						
		94+00-105+00				X			-
C						Х		Х	
С	MORRISON CREEK SOUTH 1 SEGMENT 3	105+00-118+50				Х			X
	JOOTH I JEGIVILINI J	118+50-120+00				Х		Х	
		120+00-121+50				Х			-
		121+50-137+25	Х						<u> </u>
	ELDER CREEK NORTH 1	0+00-7+00	Х						
	SEGMENT 1	7+00-42+00				Х			
	FIDED CDEEK MODELL 3	0+00-10+00				Х			х
	ELDER CREEK NORTH 2 SEGMENT 1	10+00-15+50	Х						x
		15+50-23+55				Х			х
	SUPPLEMENTAL 4**	0+00-36+60	Х						

**THE CURRENT GRADING PLAN FOR THE LAND NORTH OF THE SUPPLEMENTAL 4 ALIGNMENT CALLS FOR FILLING THE LOCATION ABOVE THE MINIMUM REQUIREMENTS FOR THE AREA TO BE CONSIDERED HIGH GROUND.

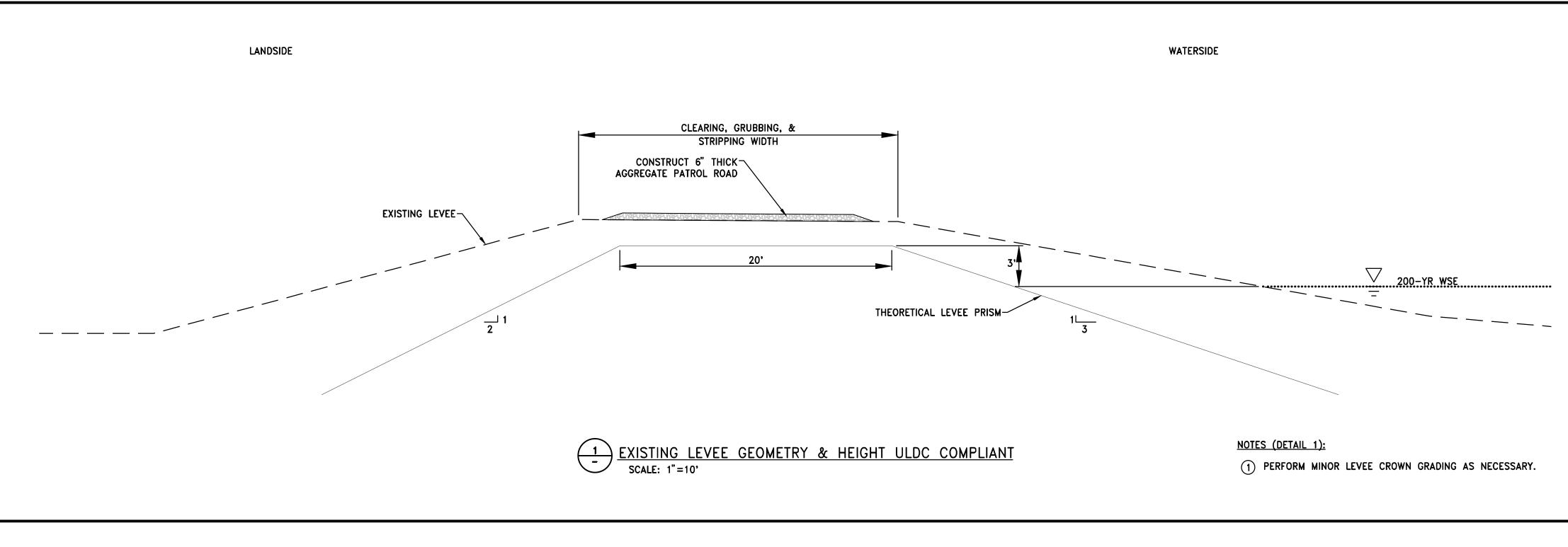


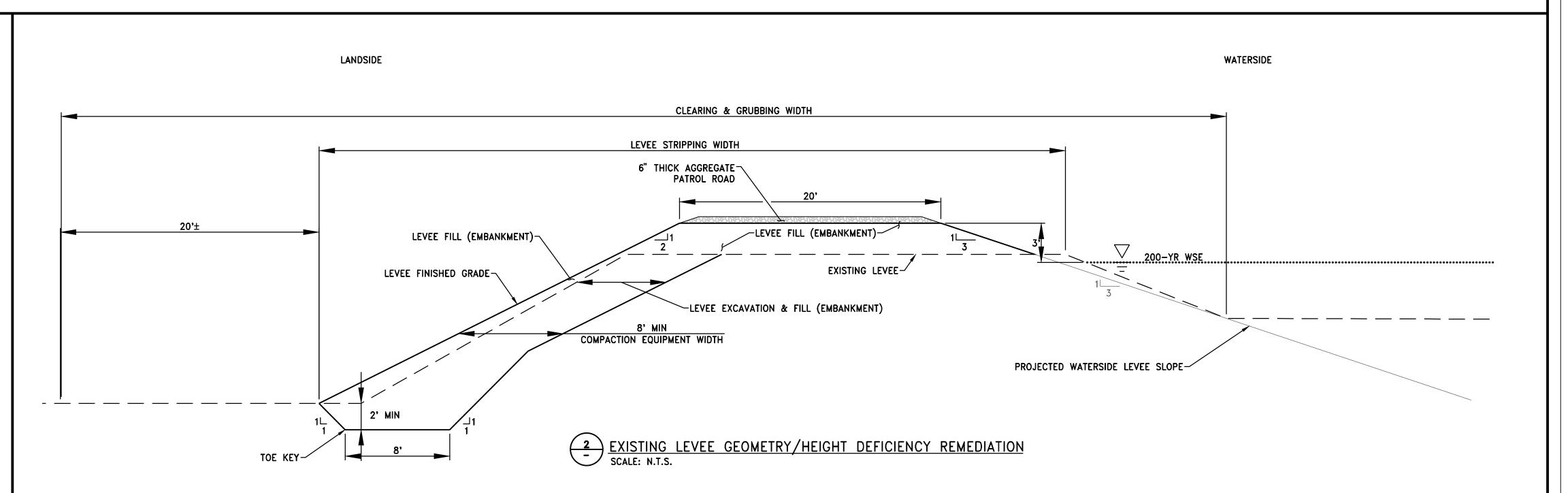
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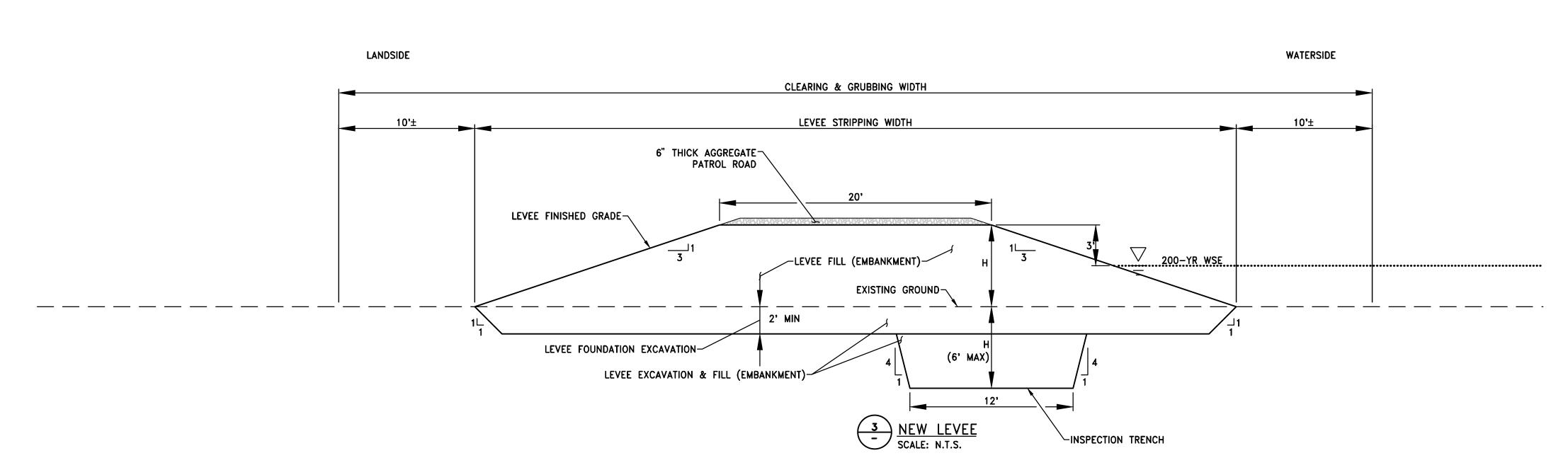
LEVEE IMPROVEMENTS OPINION OF PROBABLE CONSTRUCTION COSTS

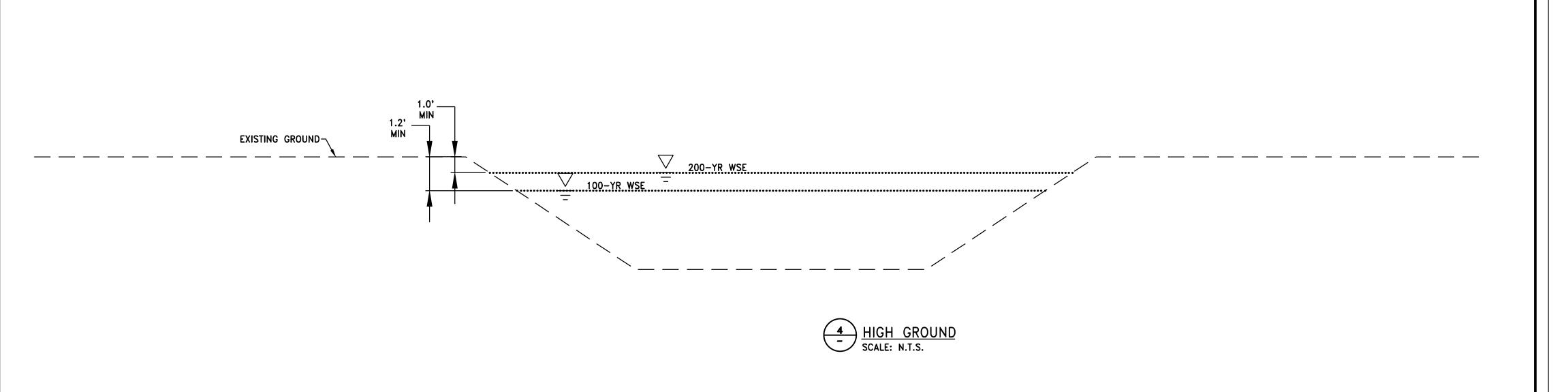
COUNTY OF SACRAMENTO, CALIFORNIA

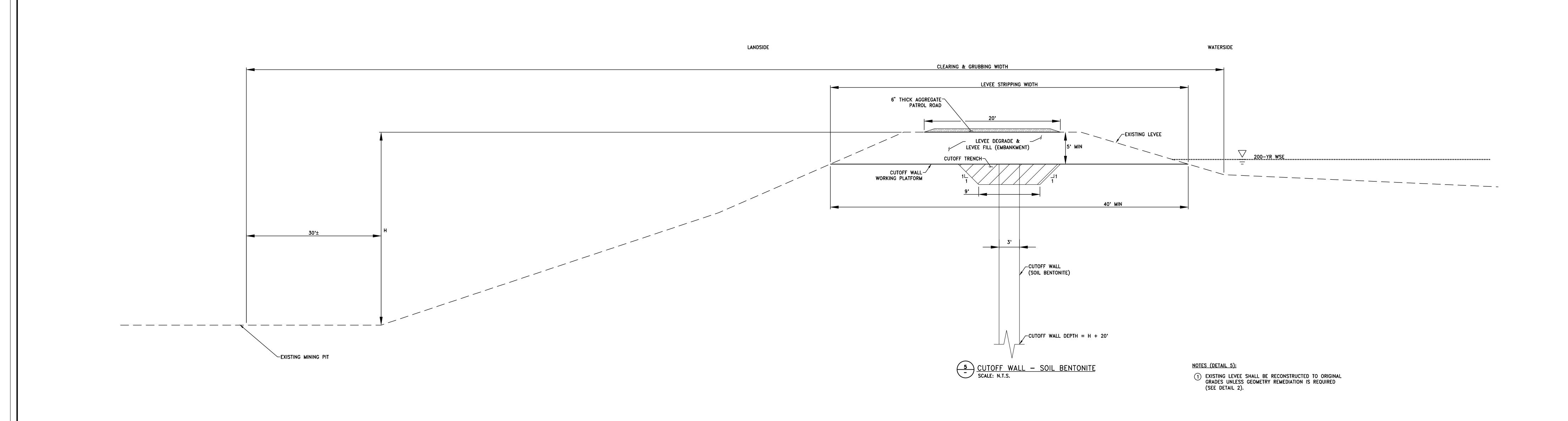
NOVEMBER 13, 2024 SHEET (2 OF 3)









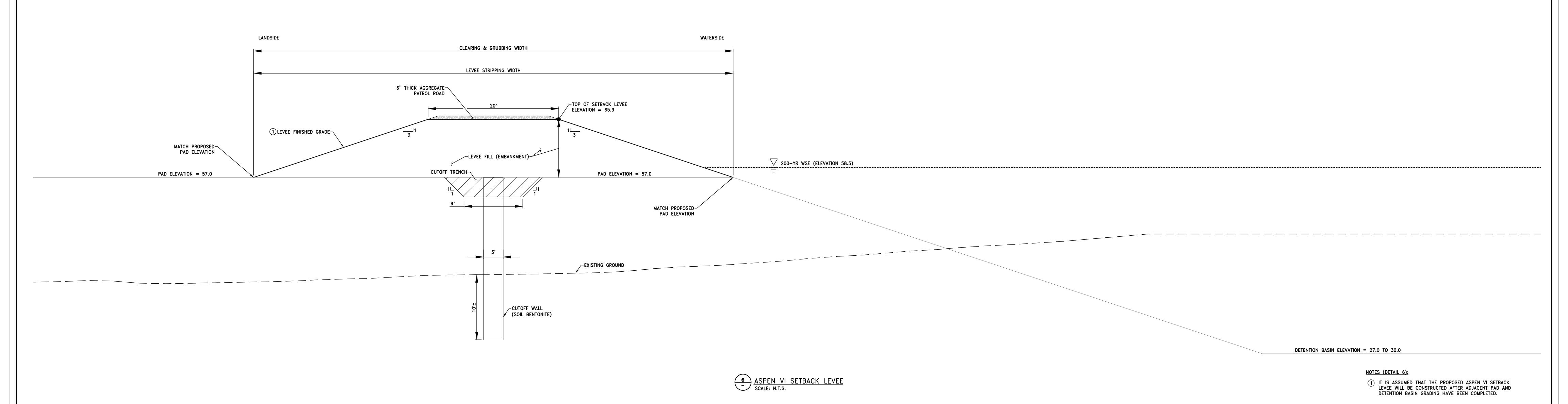


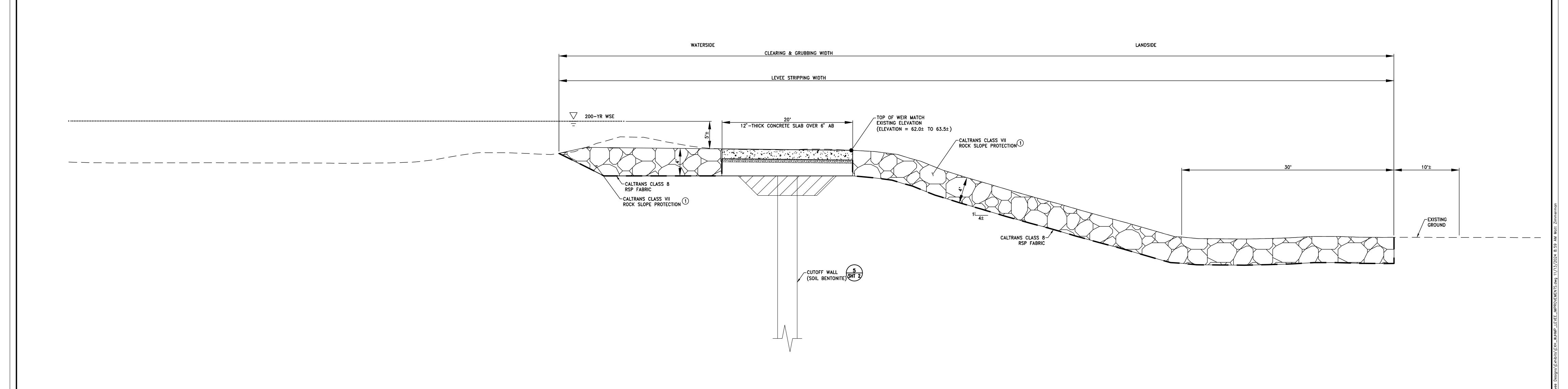
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LEVEE IMPROVEMENTS OPINION OF PROBABLE CONSTRUCTION COSTS

COUNTY OF SACRAMENTO, CALIFORNIA

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GRANITE I WEIR
SCALE: N.T.S.

NOTES (DETAIL 7): 1) ROCK SLOPE PROTECTION IS SIZED PER RECOMMENDATIONS PROVIDED WITHIN "DESIGN OF ROCK CHUTES," K.M. ROBINSON, C.E. RICE, K.C. KADAVY (1998).

WEIR DESIGN SHOWN IS PRELIMINARY AND FOR PLANNING PURPOSES ONLY.





 $\label{eq:West Jackson Highway Master Plan}$ Levee Improvements Opinion of Probable Construction Costs November~13, 2024

APPENDIX A



WEST JACKSON HIGHWAY MASTER PLAN LEVEE IMPROVEMENTS **OPINION OF PROBABLE CONSTRUCTION COSTS** LEVEE SEGMENT BREAKDOWN



Estimated Cost

	Construction Sub-	Planning, Engineering, &	Construction Management	
Levee Segment	Total	Design (12%)	(15%)	Total
Finance Area A				
MORRISON CREEK NORTH 2 - SEGMENT 1 (STA 0+00-52+75) (ASPEN V, ASPEN VI, GRANITE I)	\$2,550,500	\$306,100	\$382,600	\$3,239,200
SUPPLEMENTAL 2 (STA 0+00-23+75) (GRANITE I)	\$1,437,100	\$172,500	\$215,600	\$1,825,200
MORRISON CREEK SOUTH 1 - SEGMENT 4 (STA 137+25-185+15) (ASPEN V, ASPEN VI, GRANITE I)	\$6,651,000	\$798,200	\$997,700	\$8,446,900
GRANITE I WEIR (STA 0+00-8+50) (GRANITE I)	\$1,202,600	\$144,400	\$180,400	\$1,527,400
MORRISON CREEK SOUTH 2 - SEGMENT 1 (STA 0+00-26+50) (GRANITE I)	\$4,749,200	\$570,000	\$712,400	\$6,031,600
MORRISON CREEK SOUTH 2 - SEGMENT 2 (STA 26+50-75+70) (ASPEN IV)	\$2,668,500	\$320,300	\$400,300	\$3,389,100
MORRISON CREEK NORTH 3 - SEGMENT 1 (STA 0+00-74+40) (GRANITE I "TRIANGLE")	\$10,848,000	\$1,301,800	\$1,627,200	\$13,777,000
SUPPLEMENTAL 3 - ASPEN VI SETBACK LEVEE (STA 20+75-95+50) (ASPEN VI)	\$12,938,500	\$1,552,700	\$1,940,800	\$16,432,000
TOTAL (FINANCE AREA A):	\$43,045,400	\$5,166,000	\$6,457,000	\$54,668,400
Finance Area B				
SUPPLEMENTAL 1 (STA 0+00-11+60) (ASPEN III SOUTH)	\$101,600	\$12,200	\$15,300	\$129,100
MORRISON CREEK NORTH 1 - SEGMENT 1 (STA 0+00-55+50) (VINEYARD 1, ASPEN III SOUTH)	\$3,744,700	\$449,400	\$561,800	\$4,755,900
MORRISON CREEK NORTH 1 - SEGMENT 2 (STA 55+50-97+00) (ASPEN III SOUTH, Mayhew)	\$5,430,900	\$651,800	\$814,700	\$6,897,400
TOTAL (FINANCE AREA B):	\$9,277,200	\$1,113,400	\$1,391,800	\$11,782,400
Finance Area C				
MORRISON CREEK SOUTH 1 - SEGMENT 1 (STA 0+00-56+00) (VINEYARD I, ASPEN III SOUTH)	\$9,295,600	\$1,115,500	\$1,394,400	\$11,805,500
MORRISON CREEK SOUTH 1 - SEGMENT 2 (STA 56+00-91+00) (ASPEN IV SOUTH)	\$3,751,700	\$450,300	\$562,800	\$4,764,800
MORRISON CREEK SOUTH 1 - SEGMENT 3 (STA 91+00-137+25) (ASPEN V SOUTH)	\$5,636,300	\$676,400	\$845,500	\$7,158,200
ELDER CREEK NORTH 1 - SEGMENT 1 (STA 0+00-42+00) (ASPEN IX)	\$2,051,600	\$246,200	\$307,800	\$2,605,600
ELDER CREEK NORTH 2 - SEGMENT 1 (STA 0+00-23+55) (ASPEN VIII)	\$3,828,000	\$459,400	\$574,200	\$4,861,600
TOTAL (FINANCE AREA C):	\$24,563,200	\$2,947,800	\$3,684,700	\$31,195,700
LEVEE IMPROVEMENTS TOTAL:	\$76,885,800	<i>\$9,227,200</i>	\$11,533,500	\$97,646,500

NOTES:

^{1.} These cost estimates do not include costs associated with land acquisition (including permanent and temporary levee easements), royalties for levee embankment fill borrow, or environmental mitigation.

^{2.} Levee Segment "Supplemental 4" is not included in this cost estimate, as no construction work is anticipated.



OPINION OF PROBABLE CONSTRUCTION COSTS MORRISON CREEK NORTH 2 - SEGMENT 1 (STA 0+00-52+75)



\$850,200

\$3,239,200

FINANCE AREA A (ASPEN V, ASPEN VI, GRANITE I)

Quantity Unit Unit Price Cost Cost w/Contingency Item No. Contingency (%) Contingency (\$) ltem 1 Levees Mobilization and Demobilization \$77,287 50% \$38,643 \$115,930 1.1 LS 5% \$7,729 \$30,915 \$23,186 \$92,744 1.2 Traffic Control (Rural) LS 1% \$15,457 50% \$61,829 1.3 Storm Water Pollution Control 1 LS 4% 50% \$38.915 \$19,458 \$58,373 1.4 **Project Fencing** 9.050 LF \$4.30 50% 1.5 Clearing and Grubbing 8.3 AC \$5,000 \$41,500 50% \$20,750 \$62,250 Levee Stripping 4.8 \$6,000 \$28,800 50% \$14,400 \$43,200 1.6 AC 1.7 Levee Degrading/ Excavation 9,130 CY \$6.50 \$59,345 50% \$29,673 \$89,018 Levee Fill (Embankment) 22,690 \$181,520 50% \$90,760 \$272,280 1.8 CY \$8 1.9 Cutoff Wall - Soil Bentonie (20'-40' Depth) 1,250 LF \$290 \$362,500 50% \$181,250 \$543,750 Cutoff Wall - Soil Bentonie (40'-60' Depth) \$500 50% 0 LF \$0 \$0 \$0 1.10 Cutoff Wall - Soil Bentonie (60'-80' Depth) LF \$670 50% \$0 \$0 1.11 0 \$0 \$155,700 \$77,850 \$233,550 Class 2 Aggregate Surfacing 1,730 \$90 50% 1.12 CY 1.13 Levee Erosion Control Seeding 6.1 AC \$6,500 \$39,650 50% \$19,825 \$59,475 1.14 Borrow Site Clearing and Grubbing 4.0 AC \$5,000 \$20,000 50% \$10,000 \$30,000 1.15 **Borrow Site Stripping** 4.0 AC \$6,000 \$24,000 50% \$12,000 \$36,000 1.16 Borrow Site Excavation and Hauling 28,390 CY \$20 \$567,800 50% \$283,900 \$851,700 4.0 \$6,500 \$26,000 50% \$13,000 \$39,000 1.17 **Borrow Site Erosion Control Seeding** AC \$1,700,400 \$850,200 \$2,550,500 Subtotal - Levees **ESTIMATED SEGMENT SUB-TOTAL** \$1,700,400 \$850,200 \$2,550,500 2 Planning, Engineering and Design 2.1 Planning, Engineering and Design (12%) \$306,060 0% \$0 \$306,100 3 **Construction Management** Construction Management (15%) \$382,575 \$0 \$382,600 3.1

ESTIMATED SEGMENT TOTAL

\$2,389,035



WEST JACKSON HIGHWAY MASTER PLAN LEVEE IMPROVEMENTS OPINION OF PROBABLE CONSTRUCTION COSTS Supplemental 2 (STA 0+00-23+75) FINANCE AREA A (GRANITE I)



Item No.	Item	Quantity	Unit	Unit Price	Cost	Contingency (%)	Contingency (\$)	Cost w/Contingency
1	Levees							
1.1	Mobilization and Demobilization	1	LS	5%	\$43,547	50%	\$21,773	\$65,320
1.2	Traffic Control (Rural)	1	LS	1%	\$8,709	50%	\$4,355	\$13,064
1.3	Storm Water Pollution Control	1	LS	4%	\$34,837	50%	\$17,419	\$52,256
1.4	Project Fencing	4,750	LF	\$4.30	\$20,425	50%	\$10,213	\$30,638
1.5	Clearing and Grubbing	3.5	AC	\$5,000	\$17,500	50%	\$8,750	\$26,250
1.6	Levee Stripping	2.4	AC	\$6,000	\$14,400	50%	\$7,200	\$21,600
1.7	Levee Degrading/ Excavation	6,870	CY	\$6.50	\$44,655	50%	\$22,328	\$66,983
1.8	Levee Fill (Embankment)	18,900	CY	\$8	\$151,200	50%	\$75,600	\$226,800
1.9	Cutoff Wall - Soil Bentonie (20'-40' Depth)	0	LF	\$290	\$0	50%	\$0	\$0
1.10	Cutoff Wall - Soil Bentonie (40'-60' Depth)	0	LF	\$500	\$0	50%	\$0	\$0
1.11	Cutoff Wall - Soil Bentonie (60'-80' Depth)	0	LF	\$670	\$0	50%	\$0	\$0
1.12	Class 2 Aggregate Surfacing	890	CY	\$90	\$80,100	50%	\$40,050	\$120,150
1.13	Levee Erosion Control Seeding	2.4	AC	\$6,500	\$15,600	50%	\$7,800	\$23,400
1.14	Borrow Site Clearing and Grubbing	3.1	AC	\$5,000	\$15,500	50%	\$7,750	\$23,250
1.15	Borrow Site Stripping	3.1	AC	\$6,000	\$18,600	50%	\$9,300	\$27,900
1.16	Borrow Site Excavation and Hauling	23,640	CY	\$20	\$472,800	50%	\$236,400	\$709,200
1.17	Borrow Site Erosion Control Seeding	3.1	AC	\$6,500	\$20,150	50%	\$10,075	\$30,225
	Subtotal - Levees				\$958,100		\$479,100	\$1,437,100
		ESTIMATED SEGN	/IENT	SUB-TOTAL	\$958,100		\$479,100	\$1,437,100
2	Planning, Engineering and Design							
2.1	Planning, Engineering and Design (12%)				\$172,452	0%	\$0	\$172,500
3	Construction Management							
3.1	Construction Management (15%)				\$215,565	0%	\$0	\$215,600
		ESTIMATED	SEGM	ENT TOTAL	\$1,346,117		\$479,100	\$1,825,200



WEST JACKSON HIGHWAY MASTER PLAN LEVEE IMPROVEMENTS OPINION OF PROBABLE CONSTRUCTION COSTS MORRISON CREEK SOUTH 1 - SEGMENT 4 (STA 137+25-185+15)



FINANCE AREA A (ASPEN V, ASPEN VI, GRANITE I)

Quantity Unit Unit Price Cost Cost w/Contingency Item No. Contingency (%) Contingency (\$) ltem 1 Levees Mobilization and Demobilization \$201,545 50% \$100.773 \$302,318 1.1 LS 5% \$40,309 \$161,236 \$20,155 \$80,618 \$60,464 \$241,855 1.2 Traffic Control (Rural) 1 LS 1% 50% 1.3 Storm Water Pollution Control 1 LS 4% 50% \$36,894 \$18,447 \$55,341 1.4 **Project Fencing** 8.580 LF \$4.30 50% 1.5 Clearing and Grubbing 11.6 AC \$5,000 \$58,000 50% \$29,000 \$87,000 Levee Stripping 6.7 \$6,000 \$40,200 50% \$20,100 \$60,300 1.6 AC 1.7 Levee Degrading/ Excavation 31,650 CY \$6.50 \$205,725 50% \$102,863 \$308,588 Levee Fill (Embankment) 46,130 \$369,040 50% \$184,520 \$553,560 1.8 CY \$8 1.9 Cutoff Wall - Soil Bentonie (20'-40' Depth) 1,400 LF \$290 \$406,000 50% \$203,000 \$609,000 \$1,425,000 Cutoff Wall - Soil Bentonie (40'-60' Depth) 2,850 \$500 50% \$712,500 \$2,137,500 LF 1.10 Cutoff Wall - Soil Bentonie (60'-80' Depth) LF \$670 50% 1.11 0 \$0 \$0 \$0 \$221,400 \$147,600 \$73,800 1,640 Class 2 Aggregate Surfacing \$90 50% 1.12 CY 1.13 Levee Erosion Control Seeding 9.6 AC \$6,500 \$62,400 50% \$31,200 \$93,600 \$37,500 1.14 Borrow Site Clearing and Grubbing 7.5 AC \$5,000 50% \$18,750 \$56,250 1.15 **Borrow Site Stripping** 7.5 AC \$6,000 \$45,000 50% \$22,500 \$67,500 1.16 Borrow Site Excavation and Hauling 57,440 CY \$20 \$1,148,800 50% \$574,400 \$1,723,200 \$6,500 \$48,750 50% \$24,375 \$73,125 1.17 **Borrow Site Erosion Control Seeding** AC \$4,434,000 \$2,217,000 \$6,651,000 Subtotal - Levees **ESTIMATED SEGMENT SUB-TOTAL** \$4,434,000 \$2,217,000 \$6,651,000 2 Planning, Engineering and Design 2.1 Planning, Engineering and Design (12%) \$798,120 0% \$0 \$798,200 3 **Construction Management** Construction Management (15%) \$997,650 0% \$0 \$997,700 3.1 **ESTIMATED SEGMENT TOTAL** \$6,229,770 \$2,217,000 \$8,446,900



WEST JACKSON HIGHWAY MASTER PLAN LEVEE IMPROVEMENTS OPINION OF PROBABLE CONSTRUCTION COSTS Granite I Weir (STA 0+00-8+50) FINANCE AREA A (GRANITE I)



Item No.	Item	Quantity	Unit	Unit Price	Cost	Contingency (%)	Contingency (\$)	Cost w/Contingency
1	Levees							
l.1	Mobilization and Demobilization	1	LS	5%	\$163,676	50%	\$81,838	\$245,513
1.2	Traffic Control (Rural)	1	LS	1%	\$32,735	50%	\$16,368	\$49,103
1.3	Storm Water Pollution Control	1	LS	4%	\$130,940	50%	\$65,470	\$196,411
1.4	Project Fencing	1,700	LF	\$4.30	\$7,310	50%	\$3,655	\$10,965
1.5	Clearing and Grubbing	2.7	AC	\$5,000	\$13,500	50%	\$6,750	\$20,250
1.6	Levee Stripping	2.5	AC	\$6,000	\$15,000	50%	\$7,500	\$22,500
1.7	Levee Degrading/ Excavation	15,560	CY	\$6.50	\$101,140	50%	\$50,570	\$151,710
1.8	Levee Fill (Embankment)	2,410	CY	\$8	\$19,280	50%	\$9,640	\$28,920
1.9	Cutoff Wall - Soil Bentonie (20'-40' Depth)	860	LF	\$290	\$249,400	50%	\$124,700	\$374,100
1.10	Cutoff Wall - Soil Bentonie (40'-60' Depth)	0	LF	\$500	\$0	50%	\$0	\$0
1.11	Cutoff Wall - Soil Bentonie (60'-80' Depth)	0	LF	\$670	\$0	50%	\$0	\$0
1.12	Class 2 Aggregate Surfacing	0	CY	\$90	\$0	50%	\$0	\$0
1.13	Levee Erosion Control Seeding	0.2	AC	\$6,500	\$1,300	50%	\$650	\$1,950
1.14	Borrow Site Clearing and Grubbing	0.4	AC	\$5,000	\$2,000	50%	\$1,000	\$3,000
1.15	Borrow Site Stripping	0.4	AC	\$6,000	\$2,400	50%	\$1,200	\$3,600
1.16	Borrow Site Excavation and Hauling	3,020	CY	\$20	\$60,400	50%	\$30,200	\$90,600
1.17	Borrow Site Erosion Control Seeding	0.4	AC	\$6,500	\$2,600	50%	\$1,300	\$3,900
1.18	Concrete Weir Cap	30	CY	\$1,500	\$45,000	50%	\$22,500	\$67,500
1.19	Class 2 Aggregate Base	320	CY	\$90	\$28,800	50%	\$14,400	\$43,200
1.20	Caltrans Class VII Rock Slope Protection	13,230	CY	\$200	\$2,646,000	50%	\$1,323,000	\$3,969,000
1.21	Caltrans Class 8 RSP Fabric	11,340	SY	\$7	\$79,380	50%	\$39,690	\$119,070
	Subtotal - Levees				\$3,600,900		\$400,900	\$1,202,600
		ESTIMATED SEGN	MENT S	SUB-TOTAL	\$3,600,900		\$400,900	\$1,202,600
2	Planning, Engineering and Design							
2.1	Planning, Engineering and Design (12%)				\$144,312	0%	\$0	\$144,400
3	Construction Management							
3.1	Construction Management (15%)				\$180,390	0%	\$0	\$180,400
		ESTIMATED	SEGM	ENT TOTAL	\$3,925,602		\$400,900	\$1,527,400



WEST JACKSON HIGHWAY MASTER PLAN LEVEE IMPROVEMENTS OPINION OF PROBABLE CONSTRUCTION COSTS MORRISON CREEK SOUTH 2 - SEGMENT 1 (STA 0+00-26+50) FINANCE AREA A (GRANITE I)



Item No.	Item	Quantity	Unit	Unit Price	Cost	Contingency (%)	Contingency (\$)	Cost w/Contingency
1	Levees							
1	Mobilization and Demobilization	1	LS	5%	\$143,914	50%	\$71,957	\$215,871
1.1					\$28,783	50%	\$14,391	\$43,174
1.2	Traffic Control (Rural) Storm Water Pollution Control	1	LS	1% 4%	\$28,783	50%	\$14,391 \$57,566	. ,
1.3		=	LS				. ,	\$172,697
1.4	Project Fencing	5,300	LF	\$4.30	\$22,790	50%	\$11,395	\$34,185
1.5	Clearing and Grubbing	7.7	AC	\$5,000	\$38,500	50%	\$19,250	\$57,750
1.6	Levee Stripping	5.2	AC	\$6,000	\$31,200	50%	\$15,600	\$46,800
1.7	Levee Degrading/ Excavation	11,750	CY	\$6.50	\$76,375	50%	\$38,188	\$114,563
1.8	Levee Fill (Embankment)	40,040	CY	\$8	\$320,320	50%	\$160,160	\$480,480
1.9	Cutoff Wall - Soil Bentonie (20'-40' Depth)	850	LF	\$290	\$246,500	50%	\$123,250	\$369,750
1.10	Cutoff Wall - Soil Bentonie (40'-60' Depth)	1,800	LF	\$500	\$900,000	50%	\$450,000	\$1,350,000
1.11	Cutoff Wall - Soil Bentonie (60'-80' Depth)	0	LF	\$670	\$0	50%	\$0	\$0
1.12	Class 2 Aggregate Surfacing	990	CY	\$90	\$89,100	50%	\$44,550	\$133,650
1.13	Levee Erosion Control Seeding	6.5	AC	\$6,500	\$42,250	50%	\$21,125	\$63,375
1.14	Borrow Site Clearing and Grubbing	6.3	AC	\$5,000	\$31,500	50%	\$15,750	\$47,250
1.15	Borrow Site Stripping	6.3	AC	\$6,000	\$37,800	50%	\$18,900	\$56,700
1.16	Borrow Site Excavation and Hauling	50,050	CY	\$20	\$1,001,000	50%	\$500,500	\$1,501,500
1.17	Borrow Site Erosion Control Seeding	6.3	AC	\$6,500	\$40,950	50%	\$20,475	\$61,425
	Subtotal - Levees				\$3,166,200		\$1,583,100	\$4,749,200
		ESTIMATED SEGN	MENT S	SUB-TOTAL	\$3,166,200		\$1,583,100	\$4,749,200
2	Planning, Engineering and Design							
2.1	Planning, Engineering and Design (12%)				\$569,904	0%	\$0	\$570,000
3	Construction Management							
3.1	Construction Management (15%)				\$712,380	0%	\$0	\$712,400
	•	ESTIMATED	SEGM	ENT TOTAL	\$4,448,484		\$1,583,100	\$6,031,600



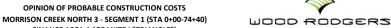
WEST JACKSON HIGHWAY MASTER PLAN LEVEE IMPROVEMENTS OPINION OF PROBABLE CONSTRUCTION COSTS MORRISON CREEK SOUTH 2 - SEGMENT 2 (STA 26+50-75+70) FINANCE AREA A (ASPEN IV)



Item No.	ltem	Quantity	Unit	Unit Price	Cost	Contingency (%)	Contingency (\$)	Cost w/Contingency
1	Levees							
1.1	Mobilization and Demobilization	1	LS	5%	\$80,862	50%	\$40,431	\$121,293
1.2	Traffic Control (Rural)	1	LS	1%	\$16,172	50%	\$8,086	\$24,259
1.3	Storm Water Pollution Control	1	LS	4%	\$64,690	50%	\$32,345	\$97,034
1.4	Project Fencing	9,600	LF	\$4.30	\$41,280	50%	\$20,640	\$61,920
1.5	Clearing and Grubbing	7.6	AC.	\$5,000	\$38,000	50%	\$19,000	\$57,000
1.6	Levee Stripping	5.2	AC	\$6,000	\$31,200	50%	\$15,600	\$46,800
1.7	Levee Degrading/ Excavation	8,700	CY	\$6.50	\$56,550	50%	\$28,275	\$84,825
1.8	Levee Fill (Embankment)	34,820	CY	\$8	\$278,560	50%	\$139,280	\$417,840
1.9	Cutoff Wall - Soil Bentonie (20'-40' Depth)	0	LF	\$290	\$0	50%	\$0	\$0
1.10	Cutoff Wall - Soil Bentonie (40'-60' Depth)	0	LF	\$500	\$0	50%	\$0	\$0
1.11	Cutoff Wall - Soil Bentonie (60'-80' Depth)	0	LF	\$670	\$0	50%	\$0	\$0
1.12	Class 2 Aggregate Surfacing	1,830	CY	\$90	\$164,700	50%	\$82,350	\$247,050
1.13	Levee Erosion Control Seeding	5.3	AC	\$6,500	\$34,450	50%	\$17,225	\$51,675
1.14	Borrow Site Clearing and Grubbing	5.8	AC	\$5,000	\$29,000	50%	\$14,500	\$43,500
1.15	Borrow Site Stripping	5.8	AC	\$6,000	\$34,800	50%	\$17,400	\$52,200
1.16	Borrow Site Excavation and Hauling	43,550	CY	\$20	\$871,000	50%	\$435,500	\$1,306,500
1.17	Borrow Site Erosion Control Seeding	5.8	AC	\$6,500	\$37,700	50%	\$18,850	\$56,550
	Subtotal - Levees				\$1,779,000		\$889,500	\$2,668,500
		ESTIMATED SEGN	MENT S	SUB-TOTAL	\$1,779,000		\$889,500	\$2,668,500
2	Planning, Engineering and Design							
2.1	Planning, Engineering and Design (12%)				\$320,220	0%	\$0	\$320,300
3	Construction Management							
3.1	Construction Management (15%)				\$400,275	0%	\$0	\$400,300
		ESTIMATED	SEGM	ENT TOTAL	\$2,499,495		\$889,500	\$3,389,100



WEST JACKSON HIGHWAY MASTER PLAN LEVEE IMPROVEMENTS OPINION OF PROBABLE CONSTRUCTION COS



FINANCE AREA A (GRANITE I "TRIANGLE")

Quantity Unit Unit Price C Cost w/Contingency Item No. Contingency (%) Contingency (\$) ltem 1 Levees Mobilization and Demobilization \$328,726 50% \$164,363 \$493,089 1.1 LS 5% \$65,745 \$262,981 \$32,873 \$131,490 \$98,618 \$394,471 1.2 Traffic Control (Rural) 1 LS 1% 50% 1.3 Storm Water Pollution Control 1 LS 4% 50% \$63,984 \$31,992 \$95,976 1.4 **Project Fencing** 14.880 LF \$4.30 50% 1.5 Clearing and Grubbing 15.9 AC \$5,000 \$79,500 50% \$39,750 \$119,250 Levee Stripping 9.3 \$6,000 \$55,800 50% \$27,900 \$83,700 1.6 AC 1.7 Levee Degrading/ Excavation 33,120 CY \$6.50 \$215,280 50% \$107,640 \$322,920 Levee Fill (Embankment) 89,450 \$715,600 50% \$357,800 \$1,073,400 1.8 CY \$8 1.9 Cutoff Wall - Soil Bentonie (20'-40' Depth) 0 LF \$290 \$0 50% \$0 \$0 Cutoff Wall - Soil Bentonie (40'-60' Depth) 5,590 \$500 \$2,795,000 50% \$1,397,500 \$4,192,500 LF 1.10 Cutoff Wall - Soil Bentonie (60'-80' Depth) LF \$670 50% 1.11 0 \$0 \$0 \$0 \$249,300 \$124,650 \$373,950 2,770 Class 2 Aggregate Surfacing \$90 50% 1.12 CY 1.13 Levee Erosion Control Seeding 12.4 AC \$6,500 \$80,600 50% \$40,300 \$120,900 1.14 Borrow Site Clearing and Grubbing 13.1 AC \$5,000 \$65,500 50% \$32,750 \$98,250 \$117,900 1.15 **Borrow Site Stripping** 13.1 AC \$6,000 \$78,600 50% \$39,300 1.16 Borrow Site Excavation and Hauling 104,510 CY \$20 \$2,090,200 50% \$1,045,100 \$3,135,300 13.1 \$6,500 \$85,150 50% \$42,575 \$127,725 1.17 **Borrow Site Erosion Control Seeding** AC \$7,232,000 \$3,616,000 \$10,848,000 Subtotal - Levees ESTIMATED SEGMENT SUB-TOTAL \$7,232,000 \$3,616,000 \$10,848,000 2 Planning, Engineering and Design 2.1 Planning, Engineering and Design (12%) \$1,301,760 0% \$0 \$1,301,800 3 **Construction Management** Construction Management (15%) \$1,627,200 \$0 \$1,627,200 3.1 ESTIMATED SEGMENT TOTAL \$10,160,960 \$3,616,000 \$13,777,000



WEST JACKSON HIGHWAY MASTER PLAN LEVEE IMPROVEMENTS OPINION OF PROBABLE CONSTRUCTION COSTS



SUPPLEMENTAL 3 - ASPEN VI SETBACK LEVEE (STA 20+75-95+50)
FINANCE AREA A (Aspen VI)

Item No.	ltem			Unit Price	Cost	Contingency (%)	Contingency (\$)	Cost w/Contingency
1	Levees							
1.1	Mobilization and Demobilization	1	LS	5%	\$392,074	50%	\$196,037	\$588,111
1.2	Traffic Control (Rural)	1	LS	1%	\$78,415	50%	\$39,207	\$117,622
1.3	Storm Water Pollution Control	1	LS	4%	\$313,659	50%	\$156,830	\$470,489
1.4	Project Fencing	14,950	LF	\$4.30	\$64,285	50%	\$32,143	\$96,428
1.5	Clearing and Grubbing	12.6	AC	\$5,000	\$63,000	50%	\$31,500	\$94,500
1.6	Levee Stripping	12.6	AC	\$6,000	\$75,600	50%	\$37,800	\$113,400
L.7	Levee Degrading/ Excavation	9,970	CY	\$6.50	\$64,805	50%	\$32,403	\$97,208
1.8	Levee Fill (Embankment)	142,680	CY	\$8	\$1,141,440	50%	\$570,720	\$1,712,160
1.9	Cutoff Wall - Soil Bentonie (20'-40' Depth)	7,475	LF	\$290	\$2,167,750	50%	\$1,083,875	\$3,251,625
1.10	Cutoff Wall - Soil Bentonie (40'-60' Depth)	0	LF	\$500	\$0	50%	\$0	\$0
1.11	Cutoff Wall - Soil Bentonie (60'-80' Depth)	0	LF	\$670	\$0	50%	\$0	\$0
1.12	Class 2 Aggregate Surfacing	2,770	CY	\$90	\$249,300	50%	\$124,650	\$373,950
1.13	Levee Erosion Control Seeding	9.2	AC	\$6,500	\$59,800	50%	\$29,900	\$89,700
1.14	Borrow Site Clearing and Grubbing	22.2	AC	\$5,000	\$111,000	50%	\$55,500	\$166,500
1.15	Borrow Site Stripping	22.2	AC	\$6,000	\$133,200	50%	\$66,600	\$199,800
1.16	Borrow Site Excavation and Hauling	178,350	CY	\$20	\$3,567,000	50%	\$1,783,500	\$5,350,500
l.17	Borrow Site Erosion Control Seeding	22.2	AC	\$6,500	\$144,300	50%	\$72,150	\$216,450
	Subtotal - Levees				\$8,625,700		\$4,312,900	\$12,938,500
		ESTIMATED SEGN	MENT :	SUB-TOTAL	\$8,625,700		\$4,312,900	\$12,938,500
2	Planning, Engineering and Design							
2.1	Planning, Engineering and Design (12%)				\$1,552,620	0%	\$0	\$1,552,700
3	Construction Management							
3.1	Construction Management (15%)				\$1,940,775	0%	\$0	\$1,940,800
		ESTIMATED	SEGM	ENT TOTAL	\$12,119,095		\$4,312,900	\$16,432,000



WEST JACKSON HIGHWAY MASTER PLAN LEVEE IMPROVEMENTS OPINION OF PROBABLE CONSTRUCTION COSTS Supplemental 1 (STA 0+00-11+60) FINANCE AREA B (ASPEN III SOUTH)



Item No.	ltem	Quantity	Unit	Unit Price	Cost	Contingency (%)	Contingency (\$)	Cost w/Contingency
1	Levees							
1.1	Mobilization and Demobilization	1	LS	5%	\$3,078	50%	\$1,539	\$4,616
1.2	Traffic Control (Rural)	1	LS	1%	\$616	50%	\$308	\$923
1.3	Storm Water Pollution Control	1	LS	4%	\$2,462	50%	\$1,231	\$3,693
1.4	Project Fencing	2,320	LF	\$4.30	\$9,976	50%	\$4,988	\$14,964
1.5	Clearing and Grubbing	0.8	AC	\$5,000	\$4,000	50%	\$2,000	\$6,000
1.6	Levee Stripping	0.8	AC	\$6,000	\$4,800	50%	\$2,400	\$7,200
1.7	Levee Degrading/ Excavation	350	CY	\$6.50	\$2,275	50%	\$1,138	\$3,413
1.8	Levee Fill (Embankment)	0	CY	\$8	\$0	50%	\$0	\$0
1.9	Cutoff Wall - Soil Bentonie (20'-40' Depth)	0	LF	\$290	\$0	50%	\$0	\$0
L.10	Cutoff Wall - Soil Bentonie (40'-60' Depth)	0	LF	\$500	\$0	50%	\$0	\$0
1.11	Cutoff Wall - Soil Bentonie (60'-80' Depth)	0	LF	\$670	\$0	50%	\$0	\$0
1.12	Class 2 Aggregate Surfacing	450	CY	\$90	\$40,500	50%	\$20,250	\$60,750
1.13	Levee Erosion Control Seeding	0.0	AC	\$6,500	\$0	50%	\$0	\$0
L.14	Borrow Site Clearing and Grubbing	0.0	AC	\$5,000	\$0	50%	\$0	\$0
L.15	Borrow Site Stripping	0.0	AC	\$6,000	\$0	50%	\$0	\$0
L.16	Borrow Site Excavation and Hauling	0	CY	\$20	\$0	50%	\$0	\$0
17	Borrow Site Erosion Control Seeding	0.0	AC	\$6,500	\$0	50%	\$0	\$0
	Subtotal - Levees				\$67,800		\$33,900	\$101,600
		ESTIMATED SEGN	IENT S	SUB-TOTAL	\$67,800		\$33,900	\$101,600
2	Planning, Engineering and Design							
2.1	Planning, Engineering and Design (12%)				\$12,192	0%	\$0	\$12,200
3	Construction Management							
3.1	Construction Management (15%)				\$15,240	0%	\$0	\$15,300
	-	ESTIMATED	SEGM	ENT TOTAL	\$95,232		\$33,900	\$129,100



OPINION OF PROBABLE CONSTRUCTION COSTS MORRISON CREEK NORTH 1 - SEGMENT 1 (STA 0+00-55+50) FINANCE AREA B (VINEYARD 1, ASPEN III SOUTH)



Item No.	Item	Quantity	Unit	Unit Price	Cost	Contingency (%)	Contingency (\$)	Cost w/Contingency
1	Levees							
1.1	Mobilization and Demobilization	1	LS	5%	\$113,473	50%	\$56,737	\$170,210
1.2	Traffic Control (Rural)	1	LS	1%	\$22,695	50%	\$11,347	\$34,042
1.3	Storm Water Pollution Control	1	LS	4%	\$90,779	50%	\$45,389	\$136,168
1.4	Project Fencing	11,100	LF	\$4.30	\$47,730	50%	\$23,865	\$71,595
1.5	Clearing and Grubbing	9.9	AC	\$5,000	\$49,500	50%	\$24,750	\$74,250
1.6	Levee Stripping	4.8	AC	\$6,000	\$28,800	50%	\$14,400	\$43,200
1.7	Levee Degrading/ Excavation	18,450	CY	\$6.50	\$119,925	50%	\$59,963	\$179,888
1.8	Levee Fill (Embankment)	21,120	CY	\$8	\$168,960	50%	\$84,480	\$253,440
1.9	Cutoff Wall - Soil Bentonie (20'-40' Depth)	800	LF	\$290	\$232,000	50%	\$116,000	\$348,000
1.10	Cutoff Wall - Soil Bentonie (40'-60' Depth)	1,600	LF	\$500	\$800,000	50%	\$400,000	\$1,200,000
1.11	Cutoff Wall - Soil Bentonie (60'-80' Depth)	0	LF	\$670	\$0	50%	\$0	\$0
1.12	Class 2 Aggregate Surfacing	2,070	CY	\$90	\$186,300	50%	\$93,150	\$279,450
1.13	Levee Erosion Control Seeding	7.2	AC	\$6,500	\$46,800	50%	\$23,400	\$70,200
1.14	Borrow Site Clearing and Grubbing	3.5	AC	\$5,000	\$17,500	50%	\$8,750	\$26,250
1.15	Borrow Site Stripping	3.5	AC	\$6,000	\$21,000	50%	\$10,500	\$31,500
1.16	Borrow Site Excavation and Hauling	26,410	CY	\$20	\$528,200	50%	\$264,100	\$792,300
1.17	Borrow Site Erosion Control Seeding	3.5	AC	\$6,500	\$22,750	50%	\$11,375	\$34,125
	Subtotal - Levees				\$2,496,500		\$1,248,300	\$3,744,700
		ESTIMATED SEGM	/ENT S	SUB-TOTAL	\$2,496,500		\$1,248,300	\$3,744,700
2	Planning, Engineering and Design							
2.1	Planning, Engineering and Design (12%)				\$449,364	0%	\$0	\$449,400
3	Construction Management							
3.1	Construction Management (15%)				\$561,705	0%	\$0	\$561,800
		ESTIMATED	SEGM	ENT TOTAL	\$3,507,569		\$1,248,300	\$4,755,900



WEST JACKSON HIGHWAY MASTER PLAN LEVEE IMPROVEMENTS OPINION OF PROBABLE CONSTRUCTION COSTS

OPINION OF PROBABLE CONSTRUCTION COSTS MORRISON CREEK NORTH 1 - SEGMENT 2 (STA 55+50-97+00)



\$1,810,300

\$6,897,400

FINANCE AREA B (ASPEN III SOUTH, MAYHEW)

Quantity Unit Unit Price Cost Cost w/Contingency Item No. Contingency (%) Contingency (\$) ltem 1 Levees Mobilization and Demobilization \$164,571 50% \$82,286 \$246.857 1.1 LS 5% \$32,914 \$131,657 \$49,371 \$197,485 \$16,457 \$65,828 1.2 Traffic Control (Rural) 1 LS 1% 50% 1.3 Storm Water Pollution Control 1 LS 4% 50% \$34,400 \$17,200 \$51,600 1.4 **Project Fencing** 8.000 LF \$4.30 50% 1.5 Clearing and Grubbing 6.6 AC \$5,000 \$33,000 50% \$16,500 \$49,500 Levee Stripping 4.4 \$6,000 \$26,400 50% \$13,200 \$39,600 1.6 AC 1.7 Levee Degrading/ Excavation 14,500 CY \$6.50 \$94,250 50% \$47,125 \$141,375 Levee Fill (Embankment) 30,690 \$245,520 50% \$122,760 \$368,280 1.8 CY \$8 1.9 Cutoff Wall - Soil Bentonie (20'-40' Depth) 0 LF \$290 \$0 50% \$0 \$0 Cutoff Wall - Soil Bentonie (40'-60' Depth) 2,400 \$500 \$1,200,000 50% \$600,000 \$1,800,000 LF 1.10 Cutoff Wall - Soil Bentonie (60'-80' Depth) LF \$670 \$636,500 50% \$318,250 \$954,750 1.11 950 \$135,900 \$67,950 \$203,850 1,510 50% Class 2 Aggregate Surfacing \$90 1.12 CY \$15,275 1.13 Levee Erosion Control Seeding 4.7 AC \$6,500 \$30,550 50% \$45,825 1.14 Borrow Site Clearing and Grubbing 5.0 AC \$5,000 \$25,000 50% \$12,500 \$37,500 1.15 **Borrow Site Stripping** 5.0 AC \$6,000 \$30,000 50% \$15,000 \$45,000 1.16 Borrow Site Excavation and Hauling 38,370 CY \$20 \$767,400 50% \$383,700 \$1,151,100 5.0 \$6,500 \$32,500 50% \$16,250 \$48,750 1.17 **Borrow Site Erosion Control Seeding** AC \$3,620,600 \$1,810,300 \$5,430,900 Subtotal - Levees **ESTIMATED SEGMENT SUB-TOTAL** \$3,620,600 \$1,810,300 \$5,430,900 2 Planning, Engineering and Design 2.1 Planning, Engineering and Design (12%) \$651,708 0% \$0 \$651,800 3 **Construction Management** Construction Management (15%) \$814,635 \$0 \$814,700 3.1

ESTIMATED SEGMENT TOTAL

\$5,086,943



OPINION OF PROBABLE CONSTRUCTION COSTS MORRISON CREEK SOUTH 1 - SEGMENT 1 (STA 0+00-56+00) FINANCE AREA C (VINEYARD I, ASPEN III SOUTH)

Item No.	Item	Quantity	Unit	Unit Price	Cost	Contingency (%)	Contingency (\$)	Cost w/Contingency
1	Levees							
1.1	Mobilization and Demobilization	1	LS	5%	\$281,684	50%	\$140,842	\$422,525
1.2	Traffic Control (Rural)	1	LS	1%	\$56,337	50%	\$28,168	\$84,505
1.3	Storm Water Pollution Control	1	LS	4%	\$225,347	50%	\$112,673	\$338,020
1.4	Project Fencing	11,200	LF	\$4.30	\$48,160	50%	\$24,080	\$72,240
1.5	Clearing and Grubbing	13.9	AC	\$5,000	\$69,500	50%	\$34,750	\$104,250
1.6	Levee Stripping	7.5	AC	\$6,000	\$45,000	50%	\$22,500	\$67,500
1.7	Levee Degrading/ Excavation	43,580	CY	\$6.50	\$283,270	50%	\$141,635	\$424,905
1.8	Levee Fill (Embankment)	49,380	CY	\$8	\$395,040	50%	\$197,520	\$592,560
1.9	Cutoff Wall - Soil Bentonie (20'-40' Depth)	0	LF	\$290	\$0	50%	\$0	\$0
1.10	Cutoff Wall - Soil Bentonie (40'-60' Depth)	3,500	LF	\$500	\$1,750,000	50%	\$875,000	\$2,625,000
1.11	Cutoff Wall - Soil Bentonie (60'-80' Depth)	2,100	LF	\$670	\$1,407,000	50%	\$703,500	\$2,110,500
1.12	Class 2 Aggregate Surfacing	2,100	CY	\$90	\$189,000	50%	\$94,500	\$283,500
1.13	Levee Erosion Control Seeding	11.3	AC	\$6,500	\$73,450	50%	\$36,725	\$110,175
1.14	Borrow Site Clearing and Grubbing	7.9	AC	\$5,000	\$39,500	50%	\$19,750	\$59,250
1.15	Borrow Site Stripping	7.9	AC	\$6,000	\$47,400	50%	\$23,700	\$71,100
1.16	Borrow Site Excavation and Hauling	61,750	CY	\$20	\$1,235,000	50%	\$617,500	\$1,852,500
1.17	Borrow Site Erosion Control Seeding	7.9	AC	\$6,500	\$51,350	50%	\$25,675	\$77,025
	Subtotal - Levees				\$6,197,100		\$3,098,600	\$9,295,600
		ESTIMATED SEGN	MENT S	SUB-TOTAL	\$6,197,100		\$3,098,600	\$9,295,600
2	Planning, Engineering and Design							
2.1	Planning, Engineering and Design (12%)				\$1,115,472	0%	\$0	\$1,115,500
3	Construction Management							
3.1	Construction Management (15%)				\$1,394,340	0%	\$0	\$1,394,400
		ESTIMATED	SEGM	ENT TOTAL	\$8,706,912		\$3,098,600	\$11,805,500



OPINION OF PROBABLE CONSTRUCTION COSTS MORRISON CREEK SOUTH 1 - SEGMENT 2 (STA 56+00-91+00) FINANCE AREA C (ASPEN IV SOUTH)

Item No.	Item	Quantity	Unit	Unit Price	Cost	Contingency (%)	Contingency (\$)	Cost w/Contingency
1	Levees							
1.1	Mobilization and Demobilization	1	LS	5%	\$113,687	50%	\$56,844	\$170,531
1.2	Traffic Control (Rural)	1	LS	1%	\$22,737	50%	\$11,369	\$34,106
1.3	Storm Water Pollution Control	1	LS	4%	\$90,950	50%	\$45,475	\$136,425
1.4	Project Fencing	6,700	LF	\$4.30	\$28,810	50%	\$14,405	\$43,215
1.5	Clearing and Grubbing	6.4	AC	\$5,000	\$32,000	50%	\$16,000	\$48,000
1.6	Levee Stripping	4.1	AC	\$6,000	\$24,600	50%	\$12,300	\$36,900
1.7	Levee Degrading/ Excavation	18,250	CY	\$6.50	\$118,625	50%	\$59,313	\$177,938
1.8	Levee Fill (Embankment)	20,970	CY	\$8	\$167,760	50%	\$83,880	\$251,640
1.9	Cutoff Wall - Soil Bentonie (20'-40' Depth)	0	LF	\$290	\$0	50%	\$0	\$0
L.10	Cutoff Wall - Soil Bentonie (40'-60' Depth)	2,350	LF	\$500	\$1,175,000	50%	\$587,500	\$1,762,500
1.11	Cutoff Wall - Soil Bentonie (60'-80' Depth)	0	LF	\$670	\$0	50%	\$0	\$0
12	Class 2 Aggregate Surfacing	1,260	CY	\$90	\$113,400	50%	\$56,700	\$170,100
1.13	Levee Erosion Control Seeding	4.8	AC	\$6,500	\$31,200	50%	\$15,600	\$46,800
1.14	Borrow Site Clearing and Grubbing	3.3	AC	\$5,000	\$16,500	50%	\$8,250	\$24,750
L.15	Borrow Site Stripping	3.3	AC	\$6,000	\$19,800	50%	\$9,900	\$29,700
1.16	Borrow Site Excavation and Hauling	26,230	CY	\$20	\$524,600	50%	\$262,300	\$786,900
1.17	Borrow Site Erosion Control Seeding	3.3	AC	\$6,500	\$21,450	50%	\$10,725	\$32,175
	Subtotal - Levees				\$2,501,200		\$1,250,600	\$3,751,700
		ESTIMATED SEGN	/ENT	SUB-TOTAL	\$2,501,200		\$1,250,600	\$3,751,700
2	Planning, Engineering and Design							
2.1	Planning, Engineering and Design (12%)				\$450,204	0%	\$0	\$450,300
3	Construction Management							
3.1	Construction Management (15%)				\$562,755	0%	\$0	\$562,800
		ESTIMATED	SEGM	ENT TOTAL	\$3,514,159		\$1,250,600	\$4,764,800



OPINION OF PROBABLE CONSTRUCTION COSTS MORRISON CREEK SOUTH 1 - SEGMENT 3 (STA 91+00-137+25)



\$1,878,800

\$7,158,200

FINANCE AREA C (ASPEN V SOUTH)

Quantity Unit Unit Price Cost w/Contingency Item No. Contingency (%) Contingency (\$) ltem 1 Levees Mobilization and Demobilization \$170,796 50% \$85,398 \$256.194 1.1 LS 5% \$34,159 \$136,637 \$17,080 \$68,318 \$51,239 \$204,955 1.2 Traffic Control (Rural) 1 LS 1% 50% 1.3 Storm Water Pollution Control 1 LS 4% 50% \$30.960 \$15,480 \$46,440 1.4 **Project Fencing** 7,200 LF \$4.30 50% 1.5 Clearing and Grubbing 6.2 AC \$5,000 \$31,000 50% \$15,500 \$46,500 Levee Stripping 4.1 \$6,000 \$24,600 50% \$12,300 \$36,900 1.6 AC 1.7 Levee Degrading/ Excavation 15,170 CY \$6.50 \$98,605 50% \$49,303 \$147,908 Levee Fill (Embankment) 43,400 \$347,200 50% \$173,600 \$520,800 1.8 CY \$8 1.9 Cutoff Wall - Soil Bentonie (20'-40' Depth) 0 LF \$290 \$0 50% \$0 \$0 Cutoff Wall - Soil Bentonie (40'-60' Depth) 1,250 \$500 \$625,000 50% \$312,500 \$937,500 LF 1.10 Cutoff Wall - Soil Bentonie (60'-80' Depth) 1,350 LF \$670 \$904,500 50% \$452,250 \$1,356,750 1.11 \$120,600 \$180,900 \$60,300 Class 2 Aggregate Surfacing 1,340 \$90 50% 1.12 CY 1.13 Levee Erosion Control Seeding 4.5 AC \$6,500 \$29,250 50% \$14,625 \$43,875 1.14 Borrow Site Clearing and Grubbing 6.8 AC \$5,000 \$34,000 50% \$17,000 \$51,000 1.15 **Borrow Site Stripping** 6.8 AC \$6,000 \$40,800 50% \$20,400 \$61,200 1.16 Borrow Site Excavation and Hauling 54,260 CY \$20 \$1,085,200 50% \$542,600 \$1,627,800 \$6,500 \$44,200 50% \$22,100 \$66,300 1.17 **Borrow Site Erosion Control Seeding** 6.8 AC \$3,757,600 \$1,878,800 \$5,636,300 Subtotal - Levees ESTIMATED SEGMENT SUB-TOTAL \$3,757,600 \$1,878,800 \$5,636,300 2 Planning, Engineering and Design 2.1 Planning, Engineering and Design (12%) \$676,356 0% \$0 \$676,400 3 **Construction Management** Construction Management (15%) \$845,445 \$0 \$845,500 3.1

ESTIMATED SEGMENT TOTAL

\$5,279,401



WEST JACKSON HIGHWAY MASTER PLAN LEVEE IMPROVEMENTS OPINION OF PROBABLE CONSTRUCTION COSTS ELDER CREEK NORTH 1 - SEGMENT 1 (STA 0+00-42+00) FINANCE AREA C (ASPEN IX)



Item No.	Item	Quantity	Unit	Unit Price	Cost	Contingency (%)	Contingency (\$)	Cost w/Contingency
1	Levees							
1.1	Mobilization and Demobilization	1	LS	5%	\$62,168	50%	\$31,084	\$93,251
1.2	Traffic Control (Rural)	1	LS	1%	\$12,434	50%	\$6,217	\$18,650
1.3	Storm Water Pollution Control	1	LS	4%	\$49,734	50%	\$24,867	\$74,601
1.4	Project Fencing	8,400	LF	\$4.30	\$36,120	50%	\$18,060	\$54,180
1.5	Clearing and Grubbing	5.3	AC	\$5,000	\$26,500	50%	\$13,250	\$39,750
1.6	Levee Stripping	3.7	AC	\$6,000	\$22,200	50%	\$11,100	\$33,300
1.7	Levee Degrading/ Excavation	10,180	CY	\$6.50	\$66,170	50%	\$33,085	\$99,255
1.8	Levee Fill (Embankment)	26,020	CY	\$8	\$208,160	50%	\$104,080	\$312,240
1.9	Cutoff Wall - Soil Bentonie (20'-40' Depth)	0	LF	\$290	\$0	50%	\$0	\$0
1.10	Cutoff Wall - Soil Bentonie (40'-60' Depth)	0	LF	\$500	\$0	50%	\$0	\$0
1.11	Cutoff Wall - Soil Bentonie (60'-80' Depth)	0	LF	\$670	\$0	50%	\$0	\$0
1.12	Class 2 Aggregate Surfacing	1,560	CY	\$90	\$140,400	50%	\$70,200	\$210,600
1.13	Levee Erosion Control Seeding	3.3	AC	\$6,500	\$21,450	50%	\$10,725	\$32,175
1.14	Borrow Site Clearing and Grubbing	4.1	AC	\$5,000	\$20,500	50%	\$10,250	\$30,750
1.15	Borrow Site Stripping	4.1	AC	\$6,000	\$24,600	50%	\$12,300	\$36,900
1.16	Borrow Site Excavation and Hauling	32,530	CY	\$20	\$650,600	50%	\$325,300	\$975,900
1.17	Borrow Site Erosion Control Seeding	4.1	AC	\$6,500	\$26,650	50%	\$13,325	\$39,975
	Subtotal - Levees				\$1,367,700		\$683,900	\$2,051,600
		ESTIMATED SEGN	MENT S	SUB-TOTAL	\$1,367,700		\$683,900	\$2,051,600
2	Planning, Engineering and Design							
2.1	Planning, Engineering and Design (12%)				\$246,192	0%	\$0	\$246,200
3	Construction Management							
3.1	Construction Management (15%)				\$307,740	0%	\$0	\$307,800
		ESTIMATED	SEGM	ENT TOTAL	\$1,921,632		\$683,900	\$2,605,600



WEST JACKSON HIGHWAY MASTER PLAN LEVEE IMPROVEMENTS OPINION OF PROBABLE CONSTRUCTION COSTS ELDER CREEK NORTH 2 - SEGMENT 1 (STA 0+00-23+55) FINANCE AREA C (ASPEN VIII)



Item No.	Item	Quantity	Unit	Unit Price	Cost	Contingency (%)	Contingency (\$)	Cost w/Contingency
1	Levees							
1.1	Mobilization and Demobilization	1	LS	5%	\$115,999	50%	\$57,999	\$173,998
1.2	Traffic Control (Rural)	1	LS	1%	\$23,200	50%	\$11,600	\$34,800
1.3	Storm Water Pollution Control	1	LS	4%	\$92,799	50%	\$46,400	\$139,199
1.4	Project Fencing	4,710	LF	\$4.30	\$20,253	50%	\$10,127	\$30,380
1.5	Clearing and Grubbing	3.1	AC	\$5,000	\$15,500	50%	\$7,750	\$23,250
1.6	Levee Stripping	2.3	AC	\$6,000	\$13,800	50%	\$6,900	\$20,700
1.7	Levee Degrading/ Excavation	7,890	CY	\$6.50	\$51,285	50%	\$25,643	\$76,928
1.8	Levee Fill (Embankment)	15,280	CY	\$8	\$122,240	50%	\$61,120	\$183,360
1.9	Cutoff Wall - Soil Bentonie (20'-40' Depth)	0	LF	\$290	\$0	50%	\$0	\$0
1.10	Cutoff Wall - Soil Bentonie (40'-60' Depth)	0	LF	\$500	\$0	50%	\$0	\$0
1.11	Cutoff Wall - Soil Bentonie (60'-80' Depth)	2,355	LF	\$670	\$1,577,850	50%	\$788,925	\$2,366,775
1.12	Class 2 Aggregate Surfacing	890	CY	\$90	\$80,100	50%	\$40,050	\$120,150
1.13	Levee Erosion Control Seeding	2.0	AC	\$6,500	\$13,000	50%	\$6,500	\$19,500
1.14	Borrow Site Clearing and Grubbing	2.5	AC	\$5,000	\$12,500	50%	\$6,250	\$18,750
1.15	Borrow Site Stripping	2.5	AC	\$6,000	\$15,000	50%	\$7,500	\$22,500
1.16	Borrow Site Excavation and Hauling	19,110	CY	\$20	\$382,200	50%	\$191,100	\$573,300
1.17	Borrow Site Erosion Control Seeding	2.5	AC	\$6,500	\$16,250	50%	\$8,125	\$24,375
	Subtotal - Levees				\$2,552,000		\$1,276,000	\$3,828,000
		ESTIMATED SEGN	/IENT	SUB-TOTAL	\$2,552,000		\$1,276,000	\$3,828,000
2	Planning, Engineering and Design							
2.1	Planning, Engineering and Design (12%)				\$459,360	0%	\$0	\$459,400
3	Construction Management							
3.1	Construction Management (15%)				\$574,200	0%	\$0	\$574,200
		ESTIMATED	SEGM	ENT TOTAL	\$3,585,560		\$1,276,000	\$4,861,600

Memorandum

To: StoneBridge Properties, LLC

Granite Construction Company

From: Iason Reed, PE

Cc: Mike Motroni, PE

Date: December 18, 2023

Subject: West Jackson Highway Master Plan: Tunnel Closure Estimate and Narrative

Introduction

West Jackson Highway Master Plan (WJHMP) covers approximately 5,913 acres of land in Sacramento County straddling Jackson Highway, between South Watt Avenue and Excelsior Road. The plan area includes multiple aggregate mines that have been in operation for decades.

Tunnel Closures

The conveyor facilities for the mining operations have multiple locations where tunnels are located beneath existing roads. Specific tunnels will need to be closed as not all are intended to convey flows as part of the drainage solutions of the plan area. The existing tunnels to be closed range from as small as 6-feet diameter to upwards of 9-feet diameter. The existing 24-foot diameter tunnel at Hedge Road is anticipated to remain and not be closed. Refer to Figure 1 for depiction of tunnel locations and sizes.

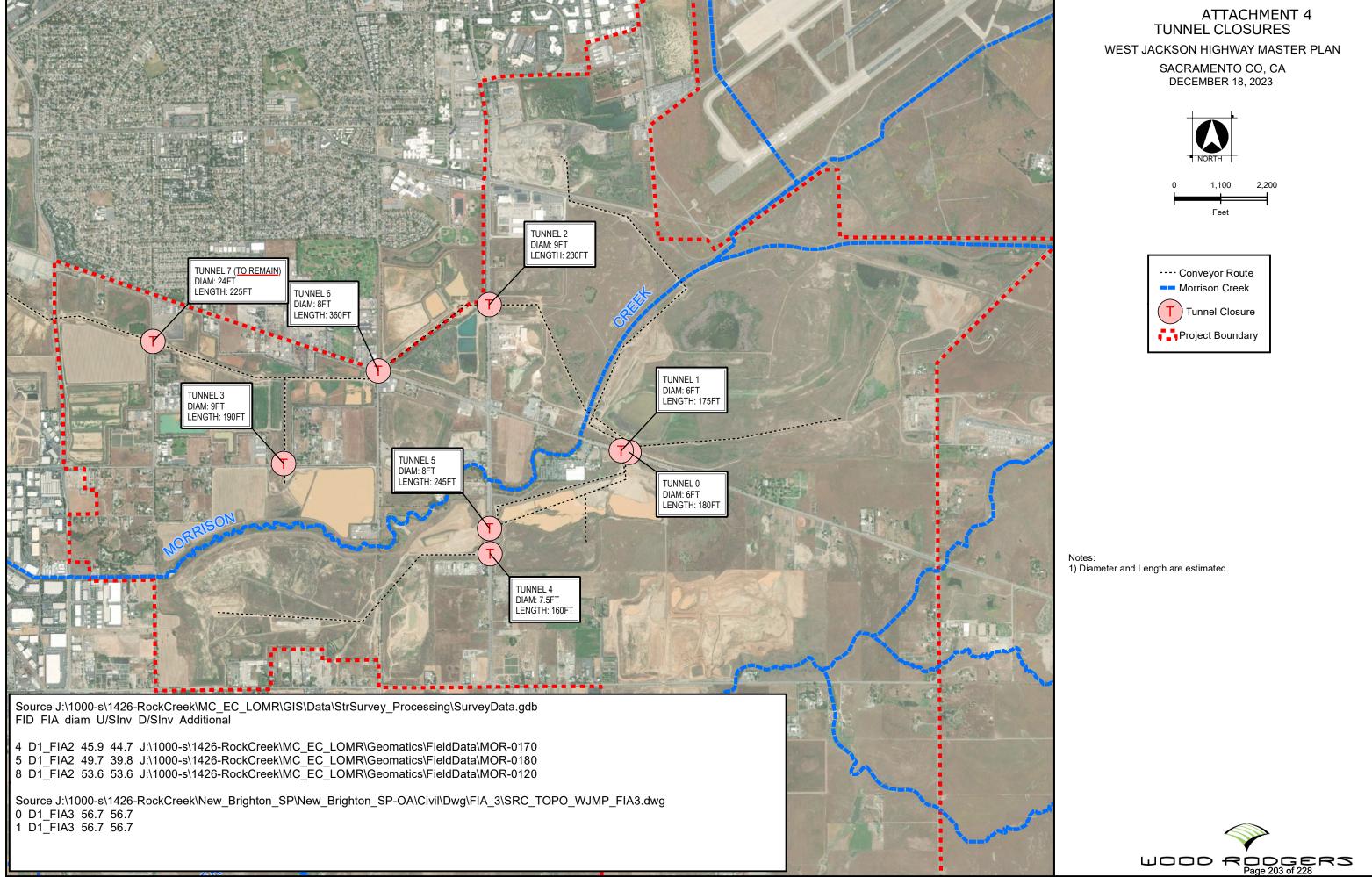
The methodology for closure of the tunnels anticipates use of flowable sand slurry mixture to fill the tunnel and temporary bulkhead (soil basket and earth backfill bulkheads) during placement and curing of slurry for tunnel up to 9-feet in diameter.

Quantities are appropriate as a large-scale estimate, based on preliminary information of each tunnel.

This estimate memo does not include backbone roadway, trails, drainage, sewer, water or levees as those are subject of a separate memo.

Attachments

- 1. Tunnel Closures Exhibit
- 2. Tunnel Closures Cost Estimates



Engineer's Opinion of Preliminary Cost Preliminary Tunnel Closures

Updated: 12/18/2023

TOTAL TUNNEL CLOSURES \$ 1,370,000

NOTES

- 1. Soil Basket Headwall bulkhead (temporary) anticipated at each end of structure to contain slurry.
- 2. Estimate includes a 20% soft cost allowance. Assumed to be engineering (8%), mapping (1%), plan check (2%), inspection (3%), geotech (3%), and staking (3%).
- 3. Based on preliminary nature of studies, 30% contingency is applied.
- 4. Costs reflect 2023 dollars.
- 5. Quantities not explicitly detailed within are not included as part of this estimate.

APPENDIX B
WEST JACKSON HIGHWAY MASTER PLAN
EDU CALCULATIONS

					Buildout					
			Residential				Non-Re	sidential		
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
	2600	2200	1800	1000	1000					
Acres	115.59	1,955.07	58.62	121.23	67.53	45.02	290.73	492.42	154.35	3,300.57
Units	230	9,774	820	3,636	2,024					16,484
Bldg SF						1,225,703	3,166,067	6,434,904	2,017,073	12,843,747
EDU Factor	1.17	1	1	0.57	0.57	1.09	1.09	0.96	0.6	
	Per Unit	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Unit</u>	Per KSF	Per KSF	Per KSF	Per KSF	
Backbone Infrastructure										
Transportation/Transit	269.10	9,774.00	820.00	2,072.52	1,153.68	1,336.02	3,451.01	6,177.51	1,210.24	26,264
	1.02%	37.21%	3.12%	7.89%	4.39%	5.09%	13.14%	23.52%	4.61%	100%
Trails	269.10	9,774.00	820.00	2,072.52	1,153.68	1,336.02	3,451.01	6,177.51	1,210.24	26,264
	1.02%	37.21%	3.12%	7.89%	4.39%	5.09%	13.14%	23.52%	4.61%	100%

					Area A					
			Residential							
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
	2600	2200	1800	1000	1000					
Acres	-	402.94	-	39.53	18.62	12.41	217.15	426.04	75.05	1,191.73
Units	-	2,016	-	1,185	558					3,759
Bldg SF						337,897	2,364,722	5,567,482	980,781	9,250,882
EDU Factor	1.17	1	1	0.57	0.57	1.09	1.09	0.96	0.6	
	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Unit</u>	Per KSF	Per KSF	Per KSF	Per KSF	
Backbone Infrastructure										
Transportation/Transit	-	2,016	-	675.45	318.06	368.31	2,577.55	5,344.78	588.47	11,889
	0.00%	16.96%	0.00%	5.68%	2.68%	3.10%	21.68%	44.96%	4.95%	100%
Trails	-	2,016	-	675	318	368	2,578	5,345	588	11,889
	0.00%	16.96%	0.00%	5.68%	2.68%	3.10%	21.68%	44.96%	4.95%	100%

					Area B						
			Residential			Non-Residential					
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total	
	2600	2200	1800	1000	1000						
Acres	20	672	18	34	15	10	21	49		839	
Units	40	3,365	246	1,023	459					5,133	
Bldg SF						277,241	225,680	636,412		1,139,333	
EDU Factor	1.17	1	1	0.57	0.57	1.09	1.09	0.96	0.6		
	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per KSF</u>	Per KSF	Per KSF	Per KSF		
Backbone Infrastructure											
Transportation/Transit	46.80	3,365.00	246.00	583.11	261.63	302.19	245.99	610.96	-	5,662	
	0.83%	59.43%	4.35%	10.30%	4.62%	5.34%	4.34%	10.79%	0.00%	100%	
Trails	47	3,365	246	583	262	302	246	611	-	5,662	
	0.83%	59.43%	4.35%	10.30%	4.62%	5.34%	4.34%	10.79%	0.00%	100%	

					Area C					
			Residential				Non-Re	sidential		
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
	2,600	2,200	1,800	1,000	1,000					
Acres	95	880	41	48	34	22	53	18	79	1,270
Units	190	4,393	574	1,428	1,007					7,592
Bldg SF						610,565	575,665	231,010	1,036,292	2,453,532
EDU Factor	1.17	1	1	0.57	0.57	1.09	1.09	0.96	0.6	
Backbone Infrastructure										
Transportation/Transit	222	4,393	574	814	574	666	627	222	622	8,714
	2.55%	50.41%	6.59%	9.34%	6.59%	7.64%	7.20%	2.55%	7.14%	100%
Trails	222	4,393	574	814	574	666	627	222	622	8,714
	2.55%	50.41%	6.59%	9.34%	6.59%	7.64%	7.20%	2.55%	7.14%	100%

WJHMP Infrastructure/Public Facilities Water Allocations West Jackson Highway Master Plan

SCWA					Buildout					
			Residential							
Category	Low Density	Medium	High Density	Mixed Use	Mixed Use	Commercial	Employment	Industrial		
	Density	-	Density	,		Commercial				Total
Acres	95.40	1,468.50	41.00	82.03	37.57	25.05	80.92	199.54	79.30	2,109.31
Units	190	7,341	574	2,461	1,126	-	-	-	-	11,692
Bldg SF						681,945	881,181	2,607,531	1,036,292	5,206,949
EDU Factor	1.00	1.00	1.00	0.75	0.75	0.40	0.40	0.40	0.40	
	<u>Per Unit</u>	<u>Per Unit</u>	Per Unit	<u>Per Unit</u>	Per Unit	Per Acre	<u>Per Acre</u>	<u>Per Acre</u>	Per Acre	
Backbone Infrastructure										
Water Off-Site	190.00	7,340.75	574.00	1,845.56	844.50	10.02	32.37	79.81	31.72	10,949
Water On-site	190.00	7,340.75	574.00	1,845.56	844.50	10.02	32.37	79.81	31.72	10,949
	1.74%	67.05%	5.24%	16.86%	7.71%	0.09%	0.30%	0.73%	0.29%	100%

SCWA					Area A					
			Residential							
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Acres	-	402.94	-	32.52	18.62	12.41	33.73	169.68		669.90
Units	-	2,016	-	975	558					3,549
Bldg SF						337,897	367,329	2,217,418		2,922,644
EDU Factor	1.00	1.00	1.00	0.75	0.75	0.40	0.40	0.40	0.40	
	<u>Per Unit</u>	<u>Per Unit</u>	Per Unit	<u>Per Unit</u>	<u>Per Unit</u>	Per Acre	Per Acre	<u>Per Acre</u>	<u>Per Acre</u>	
Backbone Infrastructure										
Water Off-Site	-	2,016.00	-	731.25	418.50	4.96	13.49	67.87	-	3,252
Water On-site	-	2,016.00	-	731.25	418.50	4.96	13.49	67.87	-	3,252
	0.00%	61.99%	0.00%	22.49%	12.87%	0.15%	0.41%	2.09%	0.00%	100%

SCWA					Area B					
			Residential							
Category	Very Low Density Low Density				Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Acres	-	186	-	2	-	-	-	12	-	200
Units	-	932	-	58	-					990
Bldg SF						-	-	159,103	-	159,103
EDU Factor	1.00	1.00	1.00	0.75	0.75	0.40	0.40	0.40	0.40	
	<u>Per Unit</u>	<u>Per Unit</u>	Per Unit	<u>Per Unit</u>	Per Unit	Per Acre	Per Acre	<u>Per Acre</u>	Per Acre	
Backbone Infrastructure										
Water Off-Site	-	931.75	-	43.31	-	-	-	4.87	-	980
Water On-site	-	931.75	-	43.31	-	-	-	4.87	-	980
	0.00%	95.08%	0.00%	4.42%	0.00%	0.00%	0.00%	0.50%	0.00%	100%

SCWA					Area C						
			Residential				Non-Residential				
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total	
Acres	95	880	41	48	19	13	47	18	79	1,239	
Units	190	4,393	574	1,428	568					7,153	
Bldg SF						344,048	513,852	231,010	1,036,292	2,125,202	
EDU Factor	1.00	1.00	1.00	0.75	0.75	0.40	0.40	0.40	0.40		
	<u>Per Unit</u>	<u>Per Unit</u>	Per Unit	<u>Per Unit</u>	Per Unit	Per Acre	Per Acre	<u>Per Acre</u>	<u>Per Acre</u>		
Backbone Infrastructure											
Water Off-Site	190.00	4,393.00	574.00	1,071.00	426.00	5.05	18.87	7.07	31.72	6,717	
Water On-site	190.00	4,393.00	574.00	1,071.00	426.00	5.05	18.87	7.07	31.72	6,717	
	2.83%	65.40%	8.55%	15.95%	6.34%	0.08%	0.28%	0.11%	0.47%	100%	

Appendix B

Cal Am					Buildout					
			Residential				Non-Res			
ategory Very Low Density Low Density			Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Acres	20.19	486.57	17.62	39.20	29.96	19.97	209.81	292.88	75.05	1,191.26
Units	40.00	2,433.25	246.00	1,175.25	898.00	-	-	-	-	4,793
Bldg SF						543,758	2,284,886	3,827,373	980,781	7,636,798
EDU Factor	1.00	1.00	1.00	0.75	0.75	0.40	0.40	0.40	0.40	
	<u>Per Unit</u>	<u>Per Unit</u>	Per Unit	<u>Per Unit</u>	<u>Per Unit</u>	Per Acre	Per Acre	<u>Per Acre</u>	Per Acre	
Backbone Infrastructure										
Water Off-Site	40.00	2,433.25	246.00	881.44	673.50	7.99	83.93	117.15	30.02	4,513
Water On-site	40.00	2,433.25	246.00	881.44	673.50	7.99	83.93	117.15	30.02	4,513
	0.89%	53.91%	5.45%	19.53%	14.92%	0.18%	1.86%	2.60%	0.67%	100%

Cal Am					Area A					
			Residential							
Category	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total	
Acres	-	-	-	7.01	-		183.42	256.36	75.05	521.83
Units	-	-	-	210	-					210
Bldg SF						-	1,997,393	3,350,064	980,781	6,328,238
EDU Factor	1.00	1.00	1.00	0.75	0.75	0.40	0.40	0.40	0.40	
	Per Unit	<u>Per Unit</u>	Per Unit	<u>Per Unit</u>	<u>Per Unit</u>	Per Acre	Per Acre	Per Acre	<u>Per Acre</u>	
Backbone Infrastructure										
Water Off-Site	-	-	-	157.50	-	-	73.37	102.54	30.02	363
Water On-site	-	-	-	157.50	-	-	73.37	102.54	30.02	363
	0.00%	0.00%	0.00%	43.34%	0.00%	0.00%	20.19%	28.22%	8.26%	100%

Cal Am					Area B					
			Residential				Non-Res	idential		
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Acres	20	486	18	32	15	10	21	37	-	639
Units	40	2,433	246	965	459					4,144
Bldg SF						277,241	225,680	477,309		980,230
EDU Factor	1.00	1.00	1.00	0.75	0.75	0.40	0.40	0.40	0.40	
	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Unit</u>	Per Acre	Per Acre	<u>Per Acre</u>	Per Acre	
Backbone Infrastructure										
Water Off-Site	40.00	2,433.25	246.00	723.94	344.25	4.07	8.29	14.61	-	3,814
Water On-site	40.00	2,433.25	246.00	723.94	344.25	4.07	8.29	14.61	-	3,814
	1.05%	63.79%	6.45%	18.98%	9.02%	0.11%	0.22%	0.38%	0.00%	100%

Cal Am					Area C					
			Residential				Non-Res	idential		
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Acres	-	0	-	-	15	10	6	-	-	30
Units	-	-	-	-	439					439
Bldg SF						266,517	61,813	-	-	328,330
EDU Factor	1.00	1.00	1.00	0.75	0.75	0.40	0.40	0.40	0.40	
	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Unit</u>	Per Acre	Per Acre	<u>Per Acre</u>	<u>Per Acre</u>	
Backbone Infrastructure										
Water Off-Site	-	-	-	-	329.25	3.92	2.27	-	-	335
Water On-site	-	-	-	-	329.25	3.92	2.27	-	-	335
	0.00%	0.00%	0.00%	0.00%	98.16%	1.17%	0.68%	0.00%	0.00%	100%

SASD/SRCSD					Buildou	ıt				
			Residentia	I			Non-Re	sidential		
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Acres	116	1,955	59	121	41	27	247	419	131	3,114.92
Units	230	9,774	820	3,636	2,024	-	-	-	-	16,484
Bldg SF	-	-	-	-	-	1,225,703	3,166,067	6,434,904	2,017,073	12,843,747
EDU Factor	310.00	310.00	310.00	233.00	310.00	1,900.00	1,900.00	1,900.00	1,900.00	
	Per Unit	Per Unit	Per Unit	Per Unit	Per Unit	Per Net Acre	Per Net Acre	Per Net Acre	Per Net Acre	
Backbone Infrastructure										
Sewer Improvements	71,300	3,029,940	254,200	847,188	627,440	51,324	469,531	795,254	249,279	6,395,456
	1.11%	47.38%	3.97%	13.25%	9.81%	0.80%	7.34%	12.43%	3.90%	100%

SASD/SRCSD					Area A					
			Residentia	I			Non-Re	sidential		
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Acres	-	402.94	-	39.53	11.17	7.45	184.57	362.13	63.79	1,071.58
Units	-	2,016	-	1,185	558					3,759
Bldg SF						337,897	2,364,722	5,567,482	980,781	9,250,882
EDU Factor - Flow Rate (GPD)	310.00	310.00	310.00	233.00	310.00	1,900.00	1,900.00	1,900.00	1,900.00	
	Per Unit	<u>Per Unit</u>	Per Unit	<u>Per Unit</u>	<u>Per Unit</u>	Per Net Acre	Per Net Acre	Per Net Acre	Per Net Acre	
Backbone Infrastructure										
Sewer Improvements	-	624,960	-	276,105	172,980	14,149	350,691	688,054	121,209	2,248,148
	0.00%	27.80%	0.00%	12.28%	7.69%	0.63%	15.60%	30.61%	5.39%	100%

SASD/SRCSD					Area B	}				
			Residentia	ıl			Non-Re	sidential		
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Acres	20	672	18	34	9	6	18	41	-	819
Units	40	3,365	246	1,023	459					5,133
Bldg SF						277,241	225,680	636,412	-	1,139,333
EDU Factor	310.00	310.00	310.00	233.00	310.00	1,900.00	1,900.00	1,900.00	1,900.00	
	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Unit</u>	Per Net Acre	Per Net Acre	Per Net Acre	Per Net Acre	
Backbone Infrastructure										
Sewer Improvements	12,400	1,043,150	76,260	238,359	142,290	11,609	33,469	78,651	-	1,636,187
	0.76%	63.75%	4.66%	14.57%	8.70%	0.71%	2.05%	4.81%	0.00%	100%

SASD/SRCSD					Area C					
			Residentia	l			Non-Re	sidential		
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Acres	95	880	41	48	20	13	45	15	67	1,225
Units	190	4,393	574	1,428	1,007					7,592
Bldg SF						610,565	575,665	231,010	1,036,292	2,453,532
EDU Factor	310.00	310.00	310.00	233.00	310.00	1,900.00	1,900.00	1,900.00	1,900.00	
	Per Unit	<u>Per Unit</u>	Per Unit	Per Unit	Per Unit	Per Net Acre	Per Net Acre	Per Net Acre	Per Net Acre	
Backbone Infrastructure										
Sewer Improvements	58,900	1,361,830	177,940	332,724	312,170	25,566	85,371	28,549	128,070	2,511,120
	2.35%	54.23%	7.09%	13.25%	12.43%	1.02%	3.40%	1.14%	5.10%	100%

Zone 11A					Buildout					
			Residentia	ıl			Non-Res	idential		
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Net Acres Units Bldg SF	98.25	1,661.81	49.83	103.05	57.40	38.27	247.12	418.55	131.20	2,805.48
EDU Factor	1.00 Per Acre	1.00 Per Acre	1.00 Per Acre	1.00 Per Acre	1.00 Per Acre	1.00 Per Acre	1.00 Per Acre	1.00 Per Acre	1.00 Per Acre	
Backbone Infrastructure										
Drainage Improvements	98.25 3.50%	1,661.81 59.23%	49.83 1.78%	103.05 3.67%	57.40 2.05%	38.27 1.36%	247.12 8.81%	418.55 14.92%	131.20 4.68 %	2,805 100%

Zone 11A					Area A					
			Residentia	ıl			Non-Res	idential		
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Net Acres Units	-	342.49	-	33.60	15.82	10.55	184.57	362.13	63.79	1,012.97
Bldg SF EDU Factor	1.00 <u>Per Acre</u>	1.00 <u>Per Acre</u>	-							
Backbone Infrastructure										
Drainage Improvements	- 0.00%	342.49 33.81%	- 0.00%	33.60 3.32 %	15.82 1.56%	10.55 1.04%	184.57 18.22%	362.13 35.75 %	63.79 6.30 %	1,013 100%

Zone 11A					Area B					
		Residential					Non-Res	idential		
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Net Acres Units Bldg SF	17.16	571.60	14.98	29.00	12.98	8.66	17.62	41.40		713.39 - -
EDU Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Backbone Infrastructure	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	
Drainage Improvements	17.16 2.41%	571.60 80.12 %	14.98 2.10%	29.00 4.07 %	12.98 1.82%	8.66 1.21%	17.62 2.47%	41.40 5.80 %	- 0.00%	713 100%

Zone 11A					Area C					
			Residentia	ıl			Non-Res	idential		
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Net Acres Units Bldg SF	81.09	747.71	34.85	40.45	28.59	19.06	44.93	15.03	67.41	1,079.12
EDU Factor	1.00 Per Acre	1.00 Per Acre	1.00 Per Acre	1.00 Per Acre	1.00 Per Acre	1.00 Per Acre	1.00 Per Acre	1.00 Per Acre	1.00 Per Acre	
Backbone Infrastructure	<u>. c. / tere</u>	<u> </u>	<u> </u>		<u>. c. / tere</u>	<u> </u>	<u> </u>	<u>. c. 71676</u>	. c ici c	
Drainage Improvements	81.09 7.51%	747.71 69.29 %	34.85 3.23%	40.45 3.75%	28.59 2.65%	19.06 1.77%	44.93 4.16%	15.03 1.39%	67.41 6.25 %	1,079 100%

CRPD					Buildout					
			Residential				Non-Res	sidential		
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Acres	20.19	818.13	17.62	59.17	44.64	29.76	241.66	429.60	75.05	1,735.83
Units	40	4,092	246	1,775	1,338	-	-	-	-	7,491
Bldg SF						810,240	2,631,704	5,613,962	980,781	10,036,687
EDU Factor - PPH	2.91	2.91	2.91	2.20	2.20	2.25	2.25	3.50	1.50	
	<u>Per Unit</u>	<u>Per Unit</u>	Per Unit	<u>Per Unit</u>	<u>Per Unit</u>	Per Bldg SF	Per Bldg SF	Per Bldg SF	Per Bldg SF	
Backbone Infrastructure										
Parks - Neighborhood	116	11,908	716	3,905	2,944	912	2,961	9,824	736	34,021
Parks - Community	116	11,908	716	3,905	2,944	912	2,961	9,824	736	34,021
	0.34%	35.00%	2.10%	11.48%	8.65%	2.68%	8.70%	28.88%	2.16%	100%

CRPD					Area A					
			Residential				Non-Res	idential		
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Acres	-	336.17	-	26.98	11.59	7.73	217.15	393.07	75.05	1,067.74
Units Bldg SF	-	1,682	-	810	347	210,383	2,364,722	5,136,653	980,781	2,839 8,692,539
EDU Factor - PPH	2.91 <u>Per Unit</u>	2.91 <u>Per Unit</u>	2.91 <u>Per Unit</u>	2.20 <u>Per Unit</u>	2.20 <u>Per Unit</u>	2.25 <u>Per Bldq SF</u>	2.25 <u>Per Bldg SF</u>	3.50 <u>Per Bldg SF</u>	1.50 <u>Per Bldg SF</u>	
Backbone Infrastructure										
Parks - Neighborhood	-	4,895	-	1,782	763	237	2,660	8,989	736	20,062
Parks - Community	-	4,895	-	1,782	763	237	2,660	8,989	736	20,062
	0.00%	24.40%	0.00%	8.88%	3.81%	1.18%	13.26%	44.81%	3.67%	100%

CRPD					Area B					
			Residential				Non-Res	sidential		
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Acres	20	482	18	32	15	10	21	37	-	635
Units	40	2,410	246	965	459					4,120
Bldg SF						277,241	225,680	477,309		980,230
EDU Factor - pph	2.91	2.91	2.91	2.20	2.20	2.25	2.25	3.50	1.50	
	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Unit</u>	Per Bldg SF	Per Bldg SF	Per Bldg SF	Per Bldg SF	
Backbone Infrastructure										
Parks - Neighborhood	116	7,013	716	2,123	1,010	312	254	835	-	12,379
Parks - Community	116	7,013	716	2,123	1,010	312	254	835	-	12,379
	0.94%	56.65%	5.78%	17.15%	8.16%	2.52%	2.05%	6.75%	0.00%	100%

CRPD					Area C					
			Residential				Non-Res	sidential		
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Acres	-	0	-	-	18	12	4	-	-	34
Units	-	-	-	-	532					532
Bldg SF						322,616	41,302	-	-	363,918
EDU Factor - pph	2.91	2.91	2.91	2.20	2.20	2.25	2.25	3.50	1.50	
	<u>Per Unit</u>	<u>Per Unit</u>	Per Unit	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Bldg SF</u>	<u>Per Bldg SF</u>	<u>Per Bldg SF</u>	Per Bldg SF	
Backbone Infrastructure										
Parks - Neighborhood	-	-	-	-	1,170	363	46	-	-	1,580
Parks - Community	-	-	-	-	1,170	363	46	-	-	1,580
	0.00%	0.00%	0.00%	0.00%	74.08%	22.97%	2.94%	0.00%	0.00%	100%

SRPD					Buildout					
			Residential							
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
			-							
Acres	95.40	1,136.94	41.00	62.06	22.89	15.26	49.07	62.82	79.30	1,564.74
Units	190.00	5,682.00	574.00	1,861.00	686.00					8,993
Bldg SF						415,463	534,363	820,942	1,036,292	2,807,060
EDU Factor	2.88	2.88	2.88	1.98	1.98	2.10	2.10	3.20	1.50	
	<u>Per Unit</u>	<u>Per Unit</u>	Per Unit	<u>Per Unit</u>	<u>Per Unit</u>	Per Bldg SF	Per Bldg SF	Per Bldg SF	Per Bldg SF	
Backbone Infrastructure										
Parks - Neighborhood	547	16,364	1,653	3,685	1,358	436	561	1,314	777	26,696
Parks - Community	547	16,364	1,653	3,685	1,358	436	561	1,314	777	26,696
	2.05%	61.30%	6.19%	13.80%	5.09%	1.63%	2.10%	4.92%	2.91%	100%

SRPD					Area A					
			Residential							
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Acres	-	66.76	-	12.55	7.03	4.68	-	32.97	-	123.99
Units	-	334	-	375	211					920
Bldg SF						127,514	-	430,829	-	558,343
EDU Factor	2.88	2.88	2.88	1.98	1.98	2.10	2.10	3.20	1.50	
	<u>Per Unit</u>	<u>Per Unit</u>	Per Unit	<u>Per Unit</u>	Per Unit	Per Bldg SF	Per Bldg SF	Per Bldg SF	Per Bldg SF	
Backbone Infrastructure										
Parks - Neighborhood	-	962	-	743	418	134	-	689	-	2,945
Parks - Community	-	962	-	743	418	134	-	689	-	2,945
	0.00%	32.66%	0.00%	25.21%	14.18%	4.55%	0.00%	23.40%	0.00%	100%

SRPD					Area B					
			Residential							
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Acres	-	191	-	2	-	-	-	12	-	205
Units	-	955	-	58	-					1,013
Bldg SF						-	-	159,103	-	159,103
EDU Factor	2.88	2.88	2.88	1.98	1.98	2.10	2.10	3.20	1.50	
	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Unit</u>	<u>Per Unit</u>	Per Unit	<u>Per Bldg SF</u>	<u>Per Bldg SF</u>	<u>Per Bldg SF</u>	<u>Per Bldg SF</u>	
Backbone Infrastructure										
Parks - Neighborhood	-	2,750	-	115	-	-	-	255	-	3,120
Parks - Community	-	2,750	-	115	-	-	-	255	-	3,120
	0.00%	88.16%	0.00%	3.68%	0.00%	0.00%	0.00%	8.16%	0.00%	100%

SRPD					Area C					
			Residential				Non-Re	sidential		
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
_										4 000
Acres	95	880	41	48	16	11	49	18	79	1,236
Units	190	4,393	574	1,428	475					7,060
Bldg SF						287,949	534,363	231,010	1,036,292	2,089,614
EDU Factor	2.88	2.88	2.88	1.98	1.98	2.10	2.10	3.20	1.50	
	<u>Per Unit</u>	<u>Per Unit</u>	Per Unit	<u>Per Unit</u>	<u>Per Unit</u>	Per Bldg SF	Per Bldg SF	Per Bldg SF	Per Bldg SF	
Backbone Infrastructure										
Parks - Neighborhood	547	12,652	1,653	2,827	941	302	561	370	777	20,630
Parks - Community	547	12,652	1,653	2,827	941	302	561	370	777	20,630
	2.65%	61.33%	8.01%	13.71%	4.56%	1.47%	2.72%	1.79%	3.77%	100%

					Buildout					
			Residentia	ıl			Non-Resi	idential		
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Acres Units	116	1,955	59	121	68	45	291	492	154	3,301
Bldg SF EDU Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Backbone Infrastructure	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	
Open Space Improvements	115.59 3.50%	1,955.07 59.23 %	58.62 1.78%	121.23 3.67 %	67.53 2.05 %	45.02 1.36%	290.73 8.81%	492.42 14.92 %	154.35 4.68%	3,301 100%

					Area A					
			Residentia	ıl			Non-Res	idential		
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Acres Units	-	403	-	40	19	12	217	426	75	1,192
Bldg SF EDU Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Backbone Infrastructure	Per Acre	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	
Open Space Improvements	0.00%	402.94 33.81 %	- 0.00%	39.53 3.32 %	18.62 1.56%	12.41 1.04%	217.15 18.22%	426.04 35.75%	75.05 6.30%	1,192 100%

					Area B					
			Residentia	ıl			Non-Resi	idential		
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Acres Units Bldg SF	20	672	18	34	15	10	21	49	-	839
EDU Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	
Backbone Infrastructure	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>	
Open Space Improvements	20.19 2.41%	672.47 80.12 %	17.62 2.10 %	34.12 4.07 %	15.27 1.82 %	10.18 1.21%	20.72 2.47 %	48.70 5.80%	- 0.00%	839 100%

Zone 11A					Area C					
			Residentia	ıl			Non-Res	idential		
Category	Very Low Density	Low Density	Medium Density	High Density	Mixed Use	Mixed Use Commercial	Commercial	Employment	Industrial	Total
Acres Units	95	880	41	48	34	22	53	18	79	1,270
Bldg SF EDU Factor	1.00 <u>Per Acre</u>									
Backbone Infrastructure										
Open Space Improvements	95.40 7.51%	879.66 69.29%	41.00 3.23%	47.59 3.75%	33.64 2.65 %	22.43 1.77%	52.86 4.16%	17.68 1.39%	79.30 6.25 %	1,270 100%

APPENDIX C WEST JACKSON HIGHWAY MASTER PLAN CFD ANALYSIS

Finance Area A CRPD Residential Mixed Use Low Density **High Density** Residential Total No. of Homes (i) 1682 810 347 2.839 Average Size of Home (i) 2200 1000 1000 1,711 Estimated Average Home Price (Base)(i) 655,000 \$ 360,000 \$ 315,000 \$ 529,276 Less Homeowner's Exemption (7,000)(7,000)(7,000)\$ (7,000)\$ Assessed Value 648,000 \$ 353,000 \$ 308,000 522,276 Ad Valorem: (ii) % 1.00000% \$ 6,480 \$ 3,530 \$ 3,080 \$ 5,223 General Los Rios GOB \$ \$ \$ 0.01920% \$ 124 68 59 100 Elk Grove Unified GOB 0.03180% \$ 206 \$ 112 \$ 98 \$ 166 Subtotal 1.05100% \$ 6,810 \$ 3,710 \$ 3,237 \$ 5,489 Special Taxes/Assessment: CSA 1 LIGHTS SAC UNICORP ZONE 1 \$ Ś 18 Ś 18 \$ 18 Ś 18 18 CSA 10 BENEFIT ZONE TBD 105 72 72 \$ 105 \$ \$ 127 \$ \$ POLICE SERVICES CFD NO 2005-1 \$ 437 \$ 491 \$ 360 \$ 360 \$ 437 CRPD CFD No. 2018-1 \$ 473 Ś 515 \$ 412 Ś 412 \$ 473 ELK GROVE UNIFIED SCHOOL DIST CFD 1 \$ 200 200 \$ 200 200 \$ 200 \$ \$ WJHMP Services CFD (Proposed) \$ 743 \$ 906 \$ 508 \$ 503 \$ 743 Tax/Assessment Jackson Corridor Trail Maint. CFD (Proposed) 22 \$ 27 \$ 15 \$ 15 \$ 22 114 S WJHMP Transit CSA/CFD (Proposed) \$ 165 Ś 200 \$ 114 \$ 165 Water Drainage Studies - SCWA 13 \$ Ś 7 7 7 Subtotal \$ 2,170 \$ \$ \$ 2,490 1,707 \$ 1,702 2,170 Proposed New Infrastructure CFD Special Tax Infrastructure CFD Special Tax (iv) \$ 2,489 \$ 1,063 \$ 731 \$ 1,867 \$ Subtotal 2,489 \$ 1,063 \$ 731 \$ 1,867 \$ Total Tax/Assessment Per Land Use 11,790 \$ 6,480 \$ 5,670 \$ 9,527 Target Total Tax/Assessment Rate % 1.80% 1.80% 1.80% 1.80% **BOLD Special Tax for Bonding** \$ 4,186,885 \$ 861,211 \$ 253,655 \$ 5,301,751 **Sources of Funds:** 5.5% Principal Amount of Bond \$ 84,315,000 Less Underwriter's Discount 2.0% \$ (1,686,300) **Net Bond Proceeds** \$ 82,628,700 **Bond Analysis Use of Funds: Debt Service Reserve Fund** \$ 7,836,572 Capitalized Interest \$ 4,637,325 Costs of Issuance 3.0% \$ 2,529,450 **Improvement Fund** \$ 67,625,353 Total Uses of Funds \$ 82,628,700 Improvement Fund per Unit \$ 23,820

Footnotes:

⁽i) Per developer.

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Appendix C West Jackson Highway Master Plan **CFD Tax Rate Analysis**

				Fi	nance Are	а В	CRPD								
	Residential				/ery Low				Medium				Лixed Use		
					Density	Lo	ow Density		Density	Hi	igh Density		esidential		Total
o	No. of Homes (i)				40		2,410		246		965		459		4,120
Land Use	Average Size of Home (i)				2600		2200		1800		1000		1000		1,765
Jue Pue	Estimated Average Home Price (Base)(i)			\$	850,000	\$	655,000	\$	575,000	\$	360,000	\$	315,000	\$	545,142
ت	Less Homeowner's Exemption				(7,000)		(7,000)		(7,000)		(7,000)		(7,000)	\$	(7,000)
	Assessed Value			\$	843,000	\$	648,000	\$	568,000	\$	353,000	\$	308,000	\$	538,142
								PE	R HOME TA	X / /	ASSESSMENT	Γ			
	Ad Valorem: (ii)		%												
	General		0000%	•	8,430	\$	6,480	\$	5,680	\$	3,530	\$	3,080	\$	5,381
	Los Rios GOB		1920%		162	\$	124	\$	109	\$	68	\$	59	\$	103
	Elk Grove Unified GOB	0.03	3180%	\$	268	\$	206	\$	181	\$	112	\$	98	\$	171
	Subtotal	1.05	100%	\$	8,860	\$	6,810	\$	5,970	\$	3,710	\$	3,237	\$	5,656
	Special Taxes/Assessment:														
	CSA 1 LIGHTS SAC UNICORP ZONE 1	\$	18	\$	18	\$	18	\$	18	\$	18	\$	18	\$	18
_ ا	CSA 10 BENEFIT ZONE TBD	\$	108	\$	148	\$	127	\$	127	\$	72		72	\$	108
흲	POLICE SERVICES CFD NO 2005-1	\$	445	\$	491		491	\$	491	\$	360	\$	360	\$	445
щa	CRPD CFD No. 2018-1	\$	479	\$	515	\$	515	\$	515	\$	412		412	\$	479
Į	ELK GROVE UNIFIED SCHOOL DIST CFD 1	\$	200	\$	200	\$	200	\$	200	\$	200	\$	200	\$	200
 	WJHMP Services CFD (Proposed)	\$	761	\$	1,348	\$	906	\$	729	\$	508	\$	503	\$	761
ner	Jackson Corridor Trail Maint. CFD (Proposed)	\$	23	\$	32	\$	27	\$	27	\$	15	\$	15	\$	23
SSF	WJHMP Transit CSA/CFD (Proposed)	\$	171	\$	234	\$	200	\$	200	\$	114	\$	114	\$	171
Tax/Assessment Information	Water Drainage Studies - SCWA 13 Subtotal	\$	7 2,213	\$	2,993	\$	2,490	\$	2,314	\$	1,707	\$	1,702	\$	2,213
Tax,			, -	•	,		,	•	,-		, -		, -		, -
	Proposed New Infrastructure CFD Special Tax														
	Infrastructure CFD Special Tax (iv)			\$	3,447	\$	2,489	\$	2,066	\$	1,063	\$	731	\$	1,943
	Subtotal		•	\$	3,447	\$	2,489	\$	2,066	\$	1,063	\$	731	\$	1,943
	Total Tax/Assessment Per Land Use			\$	15,300	\$	11,790	\$	10,350	\$	6,480	\$	5,670	\$	9,813
	Target Total Tax/Assessment Rate %				1.80%		1.80%		1.80%		1.80%		1.80%		1.80%
	BOLD Special Tax for Bonding			\$	137,889	\$	5,999,045	\$	508,352	\$	1,026,010	\$	335,526	\$	8,006,823
							So	urce	es of Funds:						5.50%
							Principal A	moi	unt of Bond				•	\$	129,040,000
						L	ess Underw	rite	r's Discount		2.0%				(2,580,800)
							Net	Bon	nd Proceeds					\$	126,459,200
Bond Analysis									se of Funds:					,	
٩ua							Debt Service							\$	11,993,132
l g							-		zed Interest					\$	7,097,200
Bo									of Issuance		3.0%			\$ \$:	3,871,200 103,497,668
							-		es of Funds						126,459,200
						<u>In</u>	nprovement	Fur	nd per Unit					\$	25,121

Footnotes:

(i) Per developer.

Finance Area C CRPD

	Residential			Ν	1ixed Use		
				R	esidential		Total
a)	No. of Homes (i)				532		532
l S	Average Size of Home (i)				1000		1,000
Land Use	Estimated Average Home Price (Base)(i)			\$	315,000	\$	315,000
La	Less Homeowner's Exemption			~	(7,000)		-
	Assessed Value			\$	308,000	\$	308,000
	Assessed value			۲	300,000	Ţ	300,000
	Ad Valorem: (ii)		%				
	General	1.0	00000%	\$	3,080	\$	3,080
	Los Rios GOB		01920%		59	\$	59
	Elk Grove Unified GOB		03180%	- 1	98	\$	98
		-		т		*	
	Subtotal	1.0	05100%	\$	3,237	\$	3,237
	Special Taxes/Assessment:						
	CSA 1 LIGHTS SAC UNICORP ZONE 1	\$	18	\$	18	\$	18
	CSA 10 BENEFIT ZONE TBD	\$	72	\$	72	\$	72
uo	POLICE SERVICES CFD NO 2005-1	\$	360	\$	360	\$	360
ati	CRPD CFD No. 2018-1	\$	412	\$	412	\$	412
ľ	ELK GROVE UNIFIED SCHOOL DIST CFD 1	\$	200	\$	200	\$	200
life	WJHMP Services CFD (Proposed)	\$	503	\$	503	\$	503
Ħ	Jackson Corridor Trail Maint. CFD (Proposed)	\$	15	\$	15	\$	15
me	WJHMP Transit CSA/CFD (Proposed)	\$	114	ب \$	114	ب \$	114
ess	Water Drainage Studies - SCWA 13	\$	7	ب \$	7	ب \$	7
Ass	Subtotal		1,702	\$	1,702	\$	1,702
Tax/Assessment Information	Sustotal	Y	1,702	Y	1,702	Y	1,702
-	Proposed New Infrastructure CFD Special Tax						
	Infrastructure CFD Special Tax (iv)	-		\$	731	\$	731
	·		_				
	Subtotal			\$	731	\$	731
	Total Tax/Assessment Per Land Use			\$	5,670	\$	5,670
	Target Total Tax/Assessment Rate %				1.80%		1.80%
	raiget Total Taxy Assessment Nate 76				1.80%		1.00%
	BOLD Special Tax for Bonding			\$	388,888	\$	388,888
	Source	<u>s o</u> f	f Funds:				5.50%
1	Principal Amou	ınt	of Bond		•	\$ 5	5,570,000
	Less Underwriter	's C	iscount		2.0%		(111,400)
	Net Bon	d P	roceeds			\$ 5	5,458,600
<u>.s</u>							
Bond Analysis			f Funds:				540.045
Ana	Debt Service Re					\$	518,015
<u>و</u>	Capitaliz				2.00/	\$	306,350
Boı			ssuance		3.0%	\$	167,100
	Improve	me	nt Funa			Ş 4	1,467,135
	Total Us	es c	of Funds			\$ 5	5,458,600
					•	\$	8,397
						ڔ	0,33/

Footnotes:

⁽i) Per developer.

		F	nar	nce Area	A SI	RPD						
Г		Residential							Λ.	1ixed Use		
		Residential			١٥	w Density	ыi	gh Density		esidential		Total
		No. of Homes (i)			LO	334	ПІ	375	п	211		920
	Jse	* *										
	Land Use	Average Size of Home (i)			,	2200	,	1000	,	1000	,	1,436
	Lar	Estimated Average Home Price (Base)(i)			\$	655,000	\$	360,000	Þ	315,000	\$	456,777
		Less Homeowner's Exemption			,	(7,000)	,	(7,000)	,	(7,000)		(7,000)
		Assessed Value			\$	648,000	\$	353,000	\$	308,000	\$	449,777
Į		A11/(1/")		0/								
		Ad Valorem: (ii)		%		C 400		2.520	,	2 000		4 400
		General		1.00000%		6,480	\$	3,530	\$	3,080	\$	4,498
		Los Rios GOB		0.01920%		124	\$	68	\$	59	\$	86
		Elk Grove Unified GOB	(0.03180%	\$	206	\$	112	\$	98	\$	143
		Subtot	al 1	1.05100%	\$	6,810	\$	3,710	\$	3,237	\$	4,727
		Special Taxes/Assessment:	_									
		CSA 1 LIGHTS SAC UNICORP ZONE 1		5 18	\$	18	\$	18	\$	18	\$	18
	_	CSA 10 BENEFIT ZONE TBD		\$ 92	\$	127	\$	72	\$	72	\$	92
	텵	POLICE SERVICES CFD NO 2005-1		\$ 407	\$	491	\$	360	\$	360	\$	407
	ma	SRPD CFD No. TBD		\$ 438	\$	548	\$	375	\$	375	\$	438
	fo	ELK GROVE UNIFIED SCHOOL DIST CFD 1		\$ 200	\$	200	\$	200	\$	200	\$	200
	무	WJHMP Services CFD (Proposed)		651	\$	906	\$	508	\$	503	\$	651
	eu	Jackson Corridor Trail Maint. CFD (Proposed)		\$ 20	\$	27	\$	15	\$	15	\$	20
	SS	WJHMP Transit CSA/CFD (Proposed)	Ş	3 146	\$	200	\$	114	\$	114	\$	146
	See	Water Drainage Studies - SCWA 13		5 7	\$	7	\$	7	\$	7	\$	7
	Tax/Assessment Information	Subtot	al S	\$ 1,979	\$	2,524	\$	1,670	\$	1,665	\$	1,979
	Ξ a											
		Proposed New Infrastructure CFD Special Tax										
		Infrastructure CFD Special Tax (iv)			\$	2,456	Ş	1,100	\$	768	\$	1,516
		Subtot	al		\$	2,456	\$	1,100	\$	768	\$	1,516
		Total Tax/Assessment Per Land Use			\$	11,790	\$	6,480	\$	5,670	\$	8,222
		Target Total Tax/Assessment Rate %				1.80%		1.80%		1.80%		1.80%
L		BOLD Special Tax for Bonding			\$	820,213	\$	412,609	\$	162,061	\$	1,394,883
				Sou	rces	s of Funds:						5.50%
			Pr			nt of Bond				•	\$:	21,365,000
				•		's Discount		2.0%			·	(427,300)
				Net E	Bond	d Proceeds					\$ 2	20,937,700
	/sis				Use	of Funds:						
	lalγ		De			serve Fund					\$	1,986,129
	Ā		_			ed Interest					\$	1,175,075
	Bond Analysis					of Issuance		3.0%			\$	640,950
	ă					ment Fund		2.276		•		17,135,546
				Total	Use	es of Funds					\$:	20,937,700
		10	nnr	nvement I	Fun	d per Unit				•	\$	18,626
		<u>"</u>	וקו	o venient i	uiil	u per Unit					ڔ	10,020

Footnotes:

⁽i) Per developer.

Finance Area B SRPD

	Residential									
					L	ow Density	Hi	gh Density		Total
au	No. of Homes (i)					955		58		1013
S	Average Size of Home (i)					2200		1000		2,131
Land Use	Estimated Average Home Price (Base)(i)				\$	655,000	\$	360,000	\$	638,110
La	Less Homeowner's Exemption				т.	(7,000)	•	(7,000)	\$	(7,000)
	Assessed Value				\$	648,000	\$	353,000	\$	631,110
	7135535cd Value				Y	040,000	Y	333,000	Y	031,110
	Ad Valorem: (ii)			%						
	General		1.0	00000%	\$	6,480	\$	3,530	\$	6,311
	Los Rios GOB			1920%	•	124	\$	68	\$	121
	Elk Grove Unified GOB		0.0	3180%	\$	206	\$	112	\$	201
		Subtotal	1.0	5100%	\$	6,810	\$	3,710	\$	6,633
	Special Taxes/Assessment:									
	CSA 1 LIGHTS SAC UNICORP ZONE 1		\$	18	\$	18	\$	18	\$	18
	CSA 10 BENEFIT ZONE TBD		\$	124	\$	127	\$	72	\$	124
.o	POLICE SERVICES CFD NO 2005-1		\$	483	\$	491	\$	360	\$	483
nat	SRPD CFD No. TBD		\$	538	\$	548	\$	375	\$	538
or.	ELK GROVE UNIFIED SCHOOL DIST CFD 1		\$	200	\$	200	\$	200	\$	200
Ĭ	WJHMP Services CFD (Proposed)		\$	883	\$	906	\$	508	\$	883
ent	Jackson Corridor Trail Maint. CFD (Propo	osed)	\$	26	\$	27	\$	15	\$	26
Ĭ,	WJHMP Transit CSA/CFD (Proposed)		\$	195	\$	200	\$	114	\$	195
Ses	Water Drainage Studies - SCWA 13		\$	7	\$	7	\$	7	\$	7
Tax/Assessment Information		Subtotal	\$	2,475	\$	2,524	\$	1,670	\$	2,475
Tax	S									
	Proposed New Infrastructure CFD Special Infrastructure CFD Special Tax (iv)	aiiax			\$	2,456	\$	1,100	\$	2,378
	innastructure CFD Special Tax (iv)				٦	2,430	ڔ	1,100	Ş	2,376
		Subtotal			\$	2,456	\$	1,100	\$	2,378
	Total Tax/Assessment Per Land Use				\$	11,790	\$	6,480	\$	11,486
	Target Total Tax/Assessment Rate %					1.80%		1.80%		1.80%
	BOLD Special Tax for Bonding				\$	2,345,219	\$	63,817	\$	2,409,035
				Sc	ourc	es of Funds:				5.50%
			Pr			ount of Bond		,	\$ 3	36,490,000
						er's Discount		2.0%		(729,800)
						nd Proceeds			\$ 3	35,760,200
S								•		
Bond Analysis			_		_	se of Funds:			_	
₽u			De			eserve Fund				3,391,643
<u>م</u>						ized Interest				2,006,950
Bor						s of Issuance		3.0%	•	1,094,700
				lmp	orov	ement Fund		,	Ş 2	29,266,907
				Tot	al U	ses of Funds			\$ 3	35,760,200
		In	npro	ovemen	ıt Fu	ınd per Unit			\$	28,891
			۰۱۰ سر.			per ome			7	_0,001

Footnotes:

⁽i) Per developer.

Appendix C West Jackson Highway Master Plan **CFD Tax Rate Analysis**

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					Finance Ar	ea	C SRPD								
	Residential				Very Low				Medium			N	1ixed Use		
	nesidential.				Density		Low Density		Density	Н	igh Density		esidential		Total
	No. of Homes (i)				190		4393		574		1428		475		7060
Land Use	Average Size of Home (i)				2600		2200		1800		1000		1000		1,855
P	Estimated Average Home Price (Base)(i)			\$	850,000			Ś	575,000	Ś	360,000	Ś	315,000	\$	571,200
2	Less Homeowner's Exemption			*	(7,000)	7	(7,000)	т.	(7,000)	7	(7,000)	•	(7,000)		(7,000)
	Assessed Value			\$	843,000	Ś		Ś	568,000	Ś	353,000	Ś	308,000		564,200
				,				-				•			
	Ad Valorem: (ii)	0	%					PE	R HOME TAX /	' AS	SESSMENT				
	General		000%	ς	8,430	\$	6,480	\$	5,680	\$	3,530	\$	3,080	\$	5,642
	Los Rios GOB		920%		162	\$	•	\$	109	\$	68	\$	59	\$	108
	Elk Grove Unified GOB		180%		268	\$		\$	181	•	112		98	\$	179
		0.03	10070	7	200	7	200	_	101	7		7		7	1,3
	Subtotal	1.05	100%	\$	8,860	\$	6,810	\$	5,970	\$	3,710	\$	3,237	\$	5,930
	Special Taxes/Assessment:														
	CSA 1 LIGHTS SAC UNICORP ZONE 1	\$	18	\$	18	\$	18	\$	18	\$	18	\$	18	\$	18
	CSA 10 BENEFIT ZONE TBD	\$	113	\$	148	\$	127	\$	127	\$	72	\$	72	\$	113
<u>.</u>	POLICE SERVICES CFD NO 2005-1	\$	455	\$	491	\$	491	\$	491	\$	360	\$	360	\$	455
nat	SRPD CFD No. TBD	\$	502	\$	548	\$	548	\$	548	\$	375	\$	375	\$	502
for	ELK GROVE UNIFIED SCHOOL DIST CFD 1	\$	200	\$	200	\$	200	\$	200	\$	200	\$	200	\$	200
=	WJHMP Services CFD (Proposed)	\$	796	\$	1,348	\$	906	\$	729	\$	508	\$	503	\$	796
eut	Jackson Corridor Trail Maint. CFD (Proposed)	\$	24	\$	32	\$	27	\$	27	\$	15	\$	15	\$	24
sm	WJHMP Transit CSA/CFD (Proposed)	\$	178	\$	234	\$	200	\$	200	\$	114	\$	114	\$	178
Ses	Water Drainage Studies - SCWA 13	\$	7	\$	7	\$	7	\$	7	\$	7	\$	7	\$	7
Tax/Assessment Information	Subtotal	\$ 2	,292	\$	3,026	\$	2,524	\$	2,347	\$	1,670	\$	1,665	\$	2,292
Ta	Proposed New Infrastructure CFD Special Tax														
	Infrastructure CFD Special Tax (iv)			\$	3,414	\$	2,456	\$	2,033	\$	1,100	\$	768	\$	2,059
	Subtotal		,	\$	3,414	\$	2,456	\$	2,033	\$	1,100	\$	768	\$	2,059
	Total Tax/Assessment Per Land Use			\$	15,300	\$	11,790	\$	10,350	\$	6,480	\$	5,670	\$	10,282
	Target Total Tax/Assessment Rate %				1.80%		1.80%		1.80%		1.80%		1.80%		1.80%
	BOLD Special Tax for Bonding			\$	648,608	\$	10,788,005	\$	1,166,924	\$	1,571,216	\$	364,829	\$	14,539,583
							<u>S</u>	our	ces of Funds:						5.50%
							Principal .	Am	ount of Bond					\$:	235,400,000
							Less Underv	writ	er's Discount		2.0%				(4,708,000)
							Ne	t Bo	ond Proceeds					\$	230,692,000
/sis								ı	Jse of Funds:						
nal							Debt Servi	_	Reserve Fund					\$	21,878,393
ΨĀ							Cap	oita	lized Interest					\$	12,947,000
Bond Analysis							-		s of Issuance		3.0%			\$	7,062,000
~							lmį	prov	vement Fund					\$:	188,804,607
							Tot	al L	Jses of Funds					\$	230,692,000
							Improvemer	nt F	und per Unit					\$	26,743

Footnotes:

(i) Per developer.

APPENDIX D
WEST JACKSON HIGHWAY MASTER PLAN
PLAN AREA FEE ANALYSIS

			Buil	dout				
								Fee
Item	Units	EDIU Factor	EDUs	% of Total	С	ost Allocation	Ar	nount
					\$	183,460,850		
Residential Land Uses	<u>Per Unit</u>	<u>Per Unit</u>					<u>L</u>	<u> Inits</u>
Very Low Density	230	1.17	269	1%	\$	1,879,727		8,173
Low Density	9,774	1	9,774	37%	\$	68,273,714		6,985
Medium Density	820	1	820	3%	\$	5,727,895		6,985
High Density	3,636	0.57	2,073	8%	\$	14,477,045		3,982
Mixed Use Residential	2,024	0.57	1,154	4%	\$	8,058,729		3,982
Total Residential Land Uses	16,484		14,089	53.6%	\$	98,417,110		
							Blo	lg. Sq.
Non-Residential Land Uses	Bldg SF	per 1,000 Bldg SF						<u>Ft.</u>
Mixed Use Commercial	1,225,703	1.09	1,336	5%	\$	9,332,391	\$	7.61
Commercial	3,166,067	1.09	3,451	13%	\$	24,106,147	\$	7.61
Employment	6,434,904	0.96	6,178	24%	\$	43,151,361	\$	6.71
Industrial	2,017,073	0.6	1,210	5%	\$	8,453,841	\$	4.19
Total Non-Residential Land Uses	12,843,747		12,174.8	46.4%	\$	85,043,740		
Total Transportation - Local Costs			26,264	100%	\$	183,460,850		

			Build	lout				
								Fee
Item	Units	EDIU Factor	EDUs	% of Total	Cc	st Allocation	Ar	nount
					\$	18,388,084		
Residential Land Uses	<u>Per Unit</u>	<u>Per Unit</u>					L	<u> Inits</u>
Very Low Density	230	1.17	269	1%	\$	188,403		819
Low Density	9,774	1	9,774	37%	\$	6,843,001		700
Medium Density	820	1	820	3%	\$	574,101		700
High Density	3,636	0.57	2,073	8%	\$	1,451,019		399
Mixed Use Residential	2,024	0.57	1,154	4%	\$	807,718		399
Total Residential Land Uses	16,484		14,089	53.6%	\$	9,864,241		
							Blo	lg. Sq.
Non-Residential Land Uses	Bldg SF	per 1,000 Bldg SF						<u>Ft.</u>
Mixed Use Commercial	1,225,703	1.09	1,336	5%	\$	935,376	\$	0.76
Commercial	3,166,067	1.09	3,451	13%	\$	2,416,133	\$	0.76
Employment	6,434,904	0.96	6,178	24%	\$	4,325,015	\$	0.67
Industrial	2,017,073	0.6	1,210	5%	\$	847,319	\$	0.42
Total Non-Residential Land Uses	12,843,747		12,174.8	46.4%	\$	8,523,843		
Total Trails			26,264	100%	\$	18,388,084		

WJHMP Fee Water Component Rates - SCWA (2023\$)

West Jackson Highway Master Plan

Buildout

				Dunabat			
	Connections					Res. Units/ Non-	Cost per Unit/
	Per Unit/Acre		Total	% of		Res Bldg. Sq.	Non-Res Bldg.
Item	[1]	Units/Acres	Connections	Total	Cost Allocation	Ft./Acres	Sq. Ft./Acres
					\$ 11,310,740		
Residential Land Uses	<u>Per Unit</u>	<u>Units</u>				<u>Units</u>	
Very Low Density	1.00	190	190	1.7%	\$ 196,282	190	\$ 1,033
Low Density	1.00	7,341	7,341	67.0%	\$ 7,583,463	7,341	\$ 1,033
Medium Density	1.00	574	574	5.2%	\$ 592,979	574	\$ 1,033
High Density	0.75 [2]	2,461	1,846	16.9%	\$ 1,906,584	2,461	\$ 775
Mixed Use Residential	0.75	1,126	845	7.7%	\$ 872,422	1,126	\$ 775
Total Residential Land Uses		11,692	10,795	98.6%	\$ 11,151,730	11,692	
Non-Residential Land Uses	<u>Per Acre</u>	<u>Acres</u>				Bldg. Sq. Ft.	
Mixed Use Commercial	0.40	25.0	10	0.1%	\$ 10,351	681,945	\$ 0.02
Commercial	0.40	80.9	32	0.3%	\$ 33,437	881,181	\$ 0.04
Employment	0.40	199.5	80	0.7%	\$ 82,453	2,607,531	\$ 0.03
Industrial	0.40	79.3	32	0.3%	\$ 32,769	1,036,292	\$ 0.03
Total Non-Residential Land Uses		384.8	153.9	1.4%	\$ 159,009	5,206,949	
Total Residential and Non-Residentia	ı		10,949	100%	\$ 11,310,740		

WJHMP Fee Sewer Component Rates (2023\$)

West Jackson Highway Master Plan

						D : 1 : 1 : 1 : 1	_	
	51 S .					Residential Units/		st per Unit/
	Flow Rate				Cost	Non-Res Bldg. Sq.	No	on-Res Bldg.
Item	(GPD)	# of Units	Total GPD	% of Total	Allocation [1]	Ft.		Sq. Ft.
					\$ 21,105,872			
Residential Land Uses	<u>per unit</u>	<u>DUs</u>				dwelling units		
Very Low Density	310	230	71,300	1%	\$ 234,516	230	\$	1,020
Low Density	310	9,774	3,029,940	47%	\$ 9,965,889	9,774	\$	1,020
Medium Density	310	820	254,200	4%	\$ 836,099	820	\$	1,020
High Density	233	3,636	847,188	13%	\$ 2,786,518	3,636	\$	766
Mixed Use Residential [2]	310	2,024	627,440	10%	\$ 2,063,736	2,024	\$	1,020
Total Residential Land Uses		16,484	4,830,068	75%	\$ 15,886,758	16,484		
Non-Residential Land Uses	per acre	net acres				<u>bldg. sq. ft.</u>		
Mixed Use Commercial	1,900	38	72,709	1%	\$ 239,151	1,225,703	\$	0.20
Commercial	1,900	247	469,531	7%	\$ 1,544,353	3,166,067	\$	0.49
Employment	1,900	419	795,254	12%	\$ 2,615,699	6,434,904	\$	0.41
Industrial	1,900	131	249,279	4%	\$ 819,912	2,017,073	\$	0.41
Total Non-Residential Land Uses		835.1	1,586,773	25%	\$ 5,219,114	12,843,747		
Total Residential and Non-Residential			6,416,841	100%	\$ 21,105,872			

WJHMP Fee Drainage Component Rates (2023\$)

West Jackson Highway Master Plan

Buildout

		Units/		Percentage					per	Cost Unit/ Bldg.
Item	Net Acres	Bldg. Sq. Ft.	FAR	Distribution	C	Cost Allocation	Cos	t per Acre		Sq. Ft.
					\$	223,056,265				
Residential Land Uses		<u>units</u>								
Very Low Density	98.3	230	N/A	3.50%	\$	7,811,820	\$	79,507	\$	33,964
Low Density	1,661.8	9,774	N/A	59.23%	\$	132,125,562	\$	79,507	\$	13,518
Medium Density	49.8	820	N/A	1.78%	\$	3,961,929	\$	79,507	\$	4,832
High Density	103.0	3,636		3.67%	\$	8,193,116	\$	79,507	\$	2,253
Mixed Use Residential	57.4	2,024	N/A	2.05%	\$	4,563,874	\$	79,507	\$	2,255
Total Residential Land Uses	1,970.3	16,484		70.23%	\$	156,656,300				
Non-Residential Land Uses		bldg. sq. ft.								
Mixed Use Commercial	38.3	1,225,703		1.36%	\$	3,042,583	\$	79,507	\$	2.48
Commercial	247.1	3,166,067		8.81%	\$	19,647,967	\$	79,507	\$	6.21
Employment	418.6	6,434,904		14.92%	\$	33,278,118	\$	79,507	\$	5.17
Industrial	131.2	2,017,073		4.68%	\$	10,431,297	\$	79,507	\$	5.17
Total Non-Residential Land Uses	835.1	12,843,747		29.77%	\$	66,399,965				
Total Residential and Non-Residential	2,805.5			100.00%	\$	223,056,265				

Appendix D Open Space Cost Allocation for Development (2023\$)

West Jackson Highway Master Plan

Buildout

_				Dulluou	·					
										Cost
				Percentage			C	ost per	pe	er Unit/ Bldg.
Item	Acres	Units/ Sq. Ft.	FAR	Distribution	Co	st Allocation		Acre		Sq. Ft.
					\$	13,531,343				
Residential Land Uses		<u>Units</u>								<u>Per Unit</u>
Very Low Density	116	230	N/A	4%	\$	473,891	\$	4,100	\$	2,060
Low Density	1,955	9,774	N/A	59%	\$	8,015,181	\$	4,100	\$	820
Medium Density	59	820	N/A	2%	\$	240,344	\$	4,100	\$	293
High Density	121	3,636	N/A	4%	\$	497,022	\$	4,100	\$	137
Mixed Use Residential	68	2,024	N/A	2%	\$	276,860	\$	4,100	\$	137
Total Residential Land Uses	2,318	16,484		70%		\$9,503,298				
Non-Residential		Bldg. Sq. Ft.							<u>Per</u>	r Bldg. Sq. Ft.
Mixed Use Commercial	45	1,225,703	N/A	1%	\$	184,573	\$	4,100	\$	0.15
Commercial	291	3,166,067	N/A	9%	\$	1,191,912	\$	4,100	\$	0.38
Employment	492	6,434,904	N/A	15%	\$	2,018,763	\$	4,100	\$	0.31
Industrial	154	2,017,073	N/A	5%	\$	632,798	\$	4,100	\$	0.31
Subtotal Non-Residential	983	12,843,747		30%		\$4,028,045				
Total Residential and Non-Residential	3,301			100%	\$	13,531,343		\$4,100		

Engineer's Opinion of Preliminary Cost Preliminary Tunnel Closures

Idoptifica	Preliminary Iu		Holt	ć / Unit	Total
Identifier	Description	Quantity	Unit	\$ / Unit	Total
Tunnel 0	Jackson Highway - 6' Diameter, 180' Long				
	Soil Basket Bulkhead	72	SF	\$ 200.00 \$	14,400
	Flowable Slurry Backfill	188	CY	\$ 270.00 \$	50,868
	Soft Costs			20% \$	13,054
	Contingency			30% \$	19,580
				\$	100,000
Tunnel 1	Jackson Highway - 6' Diameter, 175' Long				
	Soil Basket Bulkhead	72	SF	\$ 200.00 \$	14,400
	Flowable Slurry Backfill	183	CY	\$ 270.00 \$	49,455
	Soft Costs			20% \$	12,771
	Contingency			30% \$	19,157
				\$	100,000
Tunnel 2	Bradshaw Road - 9' Diameter, 230' Long				
	Soil Basket Bulkhead	162	SF	\$ 200.00 \$	32,400
	Flowable Slurry Backfill	542	CY	\$ 270.00 \$	146,246
	Soft Costs			20% \$	35,729
	Contingency			30% \$	53,594
				\$	270,000
Tunnel 3	Fruitridge Road - 9' Diameter, 190' Long				
	Soil Basket Bulkhead	162	SF	\$ 200.00 \$	32,400
	Flowable Slurry Backfill	447	CY	\$ 270.00 \$	120,812
	Soft Costs			20% \$	30,642
	Contingency			30% \$	45,963
				\$	230,000
Tunnel 4	Bradshaw Road - 7.5' Diameter, 160' Long				
	Soil Basket Bulkhead	113	SF	\$ 200.00 \$	22,500
	Flowable Slurry Backfill	262	CY	\$ 270.00 \$	70,650
	Soft Costs			20% \$	18,630
	Contingency			30% \$	27,945
				\$	140,000
Tunnel 5	Bradshaw Road - 8' Diameter, 245' Long				
	Soil Basket Bulkhead	128		\$ 200.00 \$	25,600
	Flowable Slurry Backfill	456	CY	\$ 270.00 \$	123,088
	Soft Costs			20% \$	29,738
	Contingency			30% \$	44,606
				\$	220,000
Tunnel 6	Jackson Highway - 8' Diameter, 360' Long				_
	Soil Basket Bulkhead	128		\$ 200.00 \$	25,600
	Flowable Slurry Backfill	670	CY	\$ 270.00 \$	180,864
	Soft Costs			20% \$	41,293
	Contingency			30% \$	61,939
				\$	310,000