



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: May 21, 2013

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Contract For Construction For The Punta Gorda Street Bridge Replacement Project

RECOMMENDATION: That Council:

- A. Award a contract to Shaw Contracting, Inc., in their low bid amount of \$1,865,964.50 for construction of the Punta Gorda Street Bridge Replacement Project, Bid No. 3575;
- B. Authorize the Public Works Director to execute the contract and approve expenditures up to \$186,600 to cover any cost increases that may result from contract change orders for extra work and differences between estimated bid quantities and actual quantities measured for payment;
- C. Authorize the Public Works Director to execute a professional services agreement with Filippin Engineering in the amount of \$330,674 for construction management support services for the Punta Gorda Street Bridge Replacement Project, and authorize the Public Works Director to approve expenditures of up to \$33,067 for extra services that may result from necessary changes in the scope of work;
- D. Authorize the Public Works Director to execute a professional services agreement with Penfield & Smith in the amount of \$13,060 for engineering (channel design) support services for the Punta Gorda Street Bridge Replacement Project, and authorize the Public Works Director to approve expenditures of up to \$1,306 for extra services that may result from necessary changes in the scope of work;
- E. Authorize the Public Works Director to execute a professional services agreement with Drake Haglan and Associates in the amount of \$50,000 for engineering (bridge design) support services for the Punta Gorda Street Bridge Replacement Project, and authorize the Public Works Director to approve expenditures of up to \$5,000 for extra services that may result from necessary changes in the scope of work; and
- F. Authorize the Public Works Director to execute a professional services agreement with Cardno ENTRIX in the amount of \$90,881 for environmental coordination and biological monitoring services for the Punta Gorda Street Bridge Replacement Project, and authorize the Public Works Director to approve

expenditures of up to \$9,088 for extra services that may result from necessary changes in the scope of work.

EXECUTIVE SUMMARY:

The Punta Gorda Street Bridge Replacement Project (Project) is needed to incrementally widen Sycamore Creek to reduce neighborhood flooding. To move forward with the widening effort for this Project, the City solicited construction bids and now needs to obtain Council authority to award the construction contract and other contracts for construction management services to support staff, including construction management, engineering (design construction support), and environmental and biological monitoring support services.

DISCUSSION:

PROJECT DESCRIPTION

The Project involves the widening of Lower Sycamore Creek and the removal and replacement of the Punta Gorda Street Bridge. The project limits are from U.S. Highway 101 to approximately 100 feet upstream past the Punta Gorda Street Bridge. Work consists of constructing an earthen channel and other drainage facilities; removing and replacing a concrete bridge and roadway approaches; relocating water, sewer, electric, communication, and gas utility facilities; placing riparian bank protection and planting; and installing irrigation systems. The proposed bridge consists of a precast/pre-stressed concrete deck and cast-in-place concrete abutment walls that incorporate cast-in-drilled-hole concrete foundations. The Project also includes a low-flow channel in the center of the creek for the Tidewater Goby.

BACKGROUND

Sycamore Creek is one of the major creek systems in the City. It runs a 2.7-mile course through the City between the Stanwood Drive/Sycamore Canyon Road intersection and the ocean at East Beach. Its drainage area is approximately four square miles. The lower portion of the Sycamore Creek watershed has experienced extensive flooding in recent history. During the 1995 rainstorms, nearly four feet of water flooded properties at the Deluxe and Green Mobile Home Parks, both located south of Punta Gorda Street, adjacent to Sycamore Creek. More recently, the 2008 Tea Fire burned much of the upper Sycamore Creek watershed. The loss of vegetation and the development of hydrophobic soils, due to the wildfire, have increased the potential for rainfall runoff and potential resultant flooding. Many studies for this portion of the creek have concluded that the capacity of the surface water collection and drainage system of pipes, culverts, and bridges in the Sycamore Creek watershed are inadequate for flood flow conveyance. This project will increase flood flow capacity and reduce the probability of neighborhood flooding. See Attachment 1 for previous Council actions.

The California Department of Transportation (Caltrans) recently widened U.S. Highway 101 from Milpas Street to Hot Springs Road from four to six lanes. The U.S. Highway 101 Bridge over Sycamore Creek was also widened and now has three bays. Only the middle bay, which has a flow capacity of approximately 2,000 cubic feet per second (cfs), is currently open. This new capacity is now significantly greater than the current capacity of the Punta Gorda Street Bridge and adjacent creek channel.

The U.S. Highway 101 Bridge will eventually have a capacity of 3,000 cfs when its two additional bays are open. However, Caltrans has said they will not open the bays until additional studies and improvements are made.

On September 7, 2012, the City received notification from the California Department of Housing and Community Development (HCD) of the approval of grant funds from the 2010-2011 Community Development Block Grant Component Award for the 2008 Disaster Recovery Initiative Program in the total amount of \$2,662,525, for the Sycamore Creek channel widening and bridge replacement improvements. The grant funds can only be used towards construction. With funding secured, the City proceeded to complete the final design and bid for construction. However, the grant funds do have a time deadline. The term of the grant funds is from April 28, 2011, through March 31, 2014. The construction timeframe of the Project has been planned to finish by February 2014. If the construction is not completed by the March 31 deadline, the grant funds may be at risk of being rescinded by the HCD. Further, the HCD has the discretion to re-allocate the grant funds elsewhere.

CONTRACT BIDS

A total of eight bids were received for the subject work, ranging as follows:

	BIDDER	BID AMOUNT
1.	Shaw Contracting, Inc.	\$1,865,964.50
2.	Lash Construction, Inc.	\$1,899,077.00
3.	Whitaker Construction Group, Inc.	\$2,116,239.90
4.	Granite Construction Company	\$2,123,570.00
5.	Toro Enterprises, Inc.	\$2,246,383.75
6.	C.A. Rasmussen, Inc.	\$2,292,188.80

- | | |
|---------------------------------|----------------|
| 7. Specialty Construction, Inc. | \$2,320,754.10 |
| 8. Brough Construction, Inc. | \$2,354,054.00 |

The low bid of \$1,865,964.50, submitted by Shaw Contracting, Inc. (Shaw), is an acceptable bid that is responsive to and meets the requirements of the bid specifications.

The change order funding recommendation of \$186,600, or ten percent (10%), is typical for this type of work and size of project.

CONSTRUCTION MANAGEMENT SERVICES

Staff recommends that Council authorize the Public Works Director to execute the following professional service agreements.

- Filippin Engineering (Filippin) in the amount of \$330,674 for construction management support services for the Project. Staff also recommends approval of expenditures of up to \$33,067 for extra services that may result from necessary changes in the scope of work. Staff requested proposals from consulting construction management firms and received proposals from four firms. Staff evaluated the proposals and concluded that Filippin is the best qualified firm. Staff negotiated the fee with Filippin and concluded that the fee is fair compensation for the services.
- Penfield & Smith (P&S) in the amount of \$13,060 for creek channel engineering support services during the construction of the Project. Staff also recommends approval of expenditures of up to \$1,306 for extra services that may result from necessary changes in the scope of work. P&S was the designer of channel widening. Staff reviewed and concluded that P&S's proposal is fair and reasonable and would provide the best value and continuity of services without delay.
- Drake Haglan and Associates (DHA) in the amount of \$50,000 for bridge engineering support services during the construction of the Project. Staff also recommends approval of expenditures of up to \$5,000 for extra services that may result from necessary changes in the scope of work. DHA was the designer of the Punta Gorda Street Bridge. Staff reviewed and concluded that DHA's proposal is fair and reasonable and would provide the best value and continuity of services without delay.
- Cardno ENTRIX (Cardno) in the amount of \$90,881 for environmental coordination and biological monitoring services during the construction of the Project. Staff also recommends approval of expenditures of up to \$9,088 for extra services that may result from necessary changes in the scope of work. Cardno provided the biological studies for the design of the Project. Staff reviewed and concluded that Cardno's

proposal is fair and reasonable and would provide the best value and continuity of services without delay.

FUNDING

The Project's construction cost is federally funded in part by grant funds from the 2010-2011 Community Development Block Grant Component Award for the 2008 Disaster Recovery Initiative Program in the total amount of \$2,662,525. The following table summarizes all Project design and construction costs:

PROJECT COSTS

**Cents have been rounded to the nearest dollar in this table.*

Project Cost	Federal Share	City Share	Total
Design Cost - DHA (Contract)	\$0	\$166,000	\$166,000
Design Cost - P&S (Contract)	\$0	\$257,720	\$257,720
Other Design Cost - Environmental (Contract)	\$0	\$8,834	\$8,834
Other Design Cost - Land Survey (City Staff)	\$0	\$27,278	\$27,278
Project Management (City Staff)	\$0	\$116,556	\$116,556
Subtotal	\$0	\$576,388	\$576,388
Construction Contract Cost (Contract)	\$1,720,765	\$145,200	\$1,865,965
Construction Contract Change Order	\$186,600	\$0	\$186,600
Construction Management Cost (City Staff)	\$111,008	\$0	\$111,008
Construction Management Support/Inspection/Material Testing Cost (Contract)	\$363,741	\$0	\$363,741
Subtotal	\$2,382,114	\$145,200	\$2,527,314
Other Construction Cost - Engineering Support Services (DHA Contract)	\$55,000	\$0	\$55,000
Other Construction Cost - Engineering Support Services (P&S Contract)	\$14,366	\$0	\$14,366
Other Construction Cost - Environmental Coordination/Biological Monitoring (Contract)	\$99,969	\$0	\$99,969
Subtotal	\$169,335	\$0	\$169,335
TOTAL PROJECT COSTS	\$2,551,449	\$721,588	\$3,273,037

There are sufficient budgeted funds in the Streets Capital Program to cover current and future City costs, including \$100,000 in the proposed budget for Fiscal Year 2014, in order to meet our grant match requirements.

COMMUNITY OUTREACH

Staff held a Community Outreach Workshop on May 9, 2013, within the neighborhood of the Project. Written notices were mailed to adjacent properties within 300 feet of the Project site. The Community Outreach Workshop provided a forum for staff interaction with the neighborhood to provide information and answer questions about the Project. Renderings and construction plans of the Project were exhibited. Project fact sheets were distributed which contained information about the Project's benefit, location, construction schedule, traffic control showing temporary road closures and detours for vehicles, pedestrians, and bus routes, staff's contact information, and the City website information for construction status updates. See Attachment 2. Prior to the Community Outreach Workshop, staff had met many times with the neighborhood community over prior years about plans to improve the creek channel and the Punta Gorda Street Bridge.

Once the contractor has scheduled its work, Staff will also be mailing written notices at a minimum of two weeks in advance of the start of construction activity. The written notices will provide detailed information of construction hours, and staff's contact information will also be provided.

Once the construction contractor is issued the notice to proceed, the construction contractor will deliver another written notice 72 hours in advance of any construction activity to the adjacent properties and other affected parties. In addition, the construction contractor will install a sign at the Project site that will show contact information of staff, the contractor, and the Project's environmental coordinator during the construction phase.

ENVIRONMENTAL/NEIGHBORHOOD IMPACTS

The Project has received all necessary environmental permits or approvals for construction.

Deluxe and Green Mobile Home Parks

The section of Sycamore Creek that is located downstream from Punta Gorda Street is bordered on the east by the Green Mobile Home Park (GMHP) and on the west by the former Deluxe Mobile Home Park. See Attachment 3. The former Deluxe Mobile Home Park property is currently vacant.

The GMHP had a 30-foot wide Revocable Encroachment Permit to accommodate seven mobile home sites and the driveway on Punta Gorda Street that were encroaching into the City's 60-foot public right of way within Sycamore Creek. The permit was terminated in order to prepare for the widening of the creek. Council authorized the Public Works Director on October 6, 2009, to terminate a portion of the Green Mobile Home Encroachment Permit (Agreement No. 16,786, Ordinance No. 4788) from 120 feet south of Punta Gorda Street to U.S. Highway 101, effective September 1, 2010, and to terminate the remainder of the permit effective September 1,

2011. At this time, the encroachment is not fully vacated- namely GMHP's driveway accessed on Punta Gorda Street. However, staff has been informed by the GMHP's property manager, LYNX Property Management, Inc. (LYNX), the encroachment will be fully vacated before the start of construction of the Project.

Staff has been working with LYNX and a few GMHP tenants to give the GMHP extra time to resolve vacating the remaining encroachment

The GMHP's driveway on Punta Gorda Street will be removed as part of the Project. Retaining the driveway was evaluated and determined to not be a feasible option, as described in the Lower Sycamore Creek Drainage Improvements Project Driveway Alternatives Report prepared by Penfield & Smith (July 28, 2010). The City's Fire Department also determined that even with removal of the driveway, emergency access can be made acceptable when GMHP takes planned internal circulation improvement measures. (Reference: Adopted Final Mitigated Negative Declaration dated April 16, 2012)

A resident of the GMHP, Mr. Robert Mayo of 1200 Punta Gorda Street, Unit No. 39, recently commented before Council regarding his concern about the removal of the driveway on Punta Gorda Street, specifically for City Fire Department access to the GMHP. Staff and LYNX met at the Project site with Mr. Mayo and other GMHP residents. Staff explained the Project's intent and need to remove the driveway. LYNX informed Mr. Mayo that an enforceable fire lane is planned to be installed within the GMHP. At this meeting, Mr. Mayo expressed his support of the Project and the removal of the driveway.

ATTACHMENT(S):

1. City Council Action History
2. Project Fact Sheet
3. Aerial Map

PREPARED BY: Pat Kelly, Assistant Public Works Director/City Engineer/JI/mj

SUBMITTED BY: Christine F. Andersen, Public Works Director

APPROVED BY: City Administrator's Office

Lower Sycamore Creek Channel Widening and
Punta Gorda Street Bridge Replacement Project
City Council Action History

- On January 13, 2009, Council authorized a contract with Penfield & Smith to prepare a study and conceptual design options for Sycamore Creek between the Union Pacific Railroad Bridge and approximately 100 feet upstream of Indio Muerto Street.
- On October 6, 2009, Council authorized the Public Works Director to (1) terminate a portion of the Green Mobile Home Encroachment Permit (Agrrement No. 16,786, Ordinance No. 4788) from 120 feet south of Punta Gorda Street to U.S. Highway 101, effective September 1, 2010, and (2) authorized the Public Works Director to terminate the remainder of the permit effective September 1, 2011.
- On February 23, 2010, Council authorized Penfield & Smith to complete the final design services for creek channel widening between U.S. Highway 101 and Punta Gorda Street.
- On May 10, 2011, Council adopted a resolution approving an Amendment to Application for Funding and execution of Grant Agreement for the 2008 Disaster Recovery Initiative Grant.
- On October 4, 2011, Council increased appropriations and estimated revenues for Fiscal Year 2012 for the Disaster Recovery Initiative Grant Fund.
- On December 6, 2011, Council authorized Drake Haglan and Associates to complete final design services for the replacement of the Punta Gorda Street Bridge.
- On March 19, 2013, Council adopted a resolution to acquire and accept temporary construction easements located at 1130 and 1133 Punta Gorda Street. Council also authorized an increase in the extra services amount with Drake Haglan and Associates for final design services.

FACT SHEET



Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project

Project Overview

The lower part of the Sycamore Creek channel will be widened, and the Punta Gorda Street Bridge will be removed and replaced to span the width of the widened channel.

Project Benefits

Widening the creek channel of Lower Sycamore Creek at the areas around Punta Gorda Street Bridge will reduce the impacts of flooding to adjacent properties.

Location Map



Quick Facts

Construction Schedule: June 2013 through April 2014

Location: Lower Sycamore Creek from U.S. Highway 101 to 100 feet upstream from Punta Gorda Street Bridge

Work Involved: Constructing earthen channel and other drainage facilities, removing and replacing concrete bridge and roadway approaches, relocating water and sewer facilities, planting landscape materials, and installing irrigation systems

Federal Grant Funding: Disaster Recovery Initiative (DRI) Grant Program of the Community Development Block Grant through the California Department of Housing and Community Development and U.S. Department of Housing and Urban Development

Contact Information

Project Engineer: John L. Ilasin, P.E.

Phone Number: (805) 564-5383

City Website: www.SantaBarbaraCA.gov

For monthly construction updates, please go to the City's website. You will find the Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project at the "Major Construction Projects" link starting in June 2013.

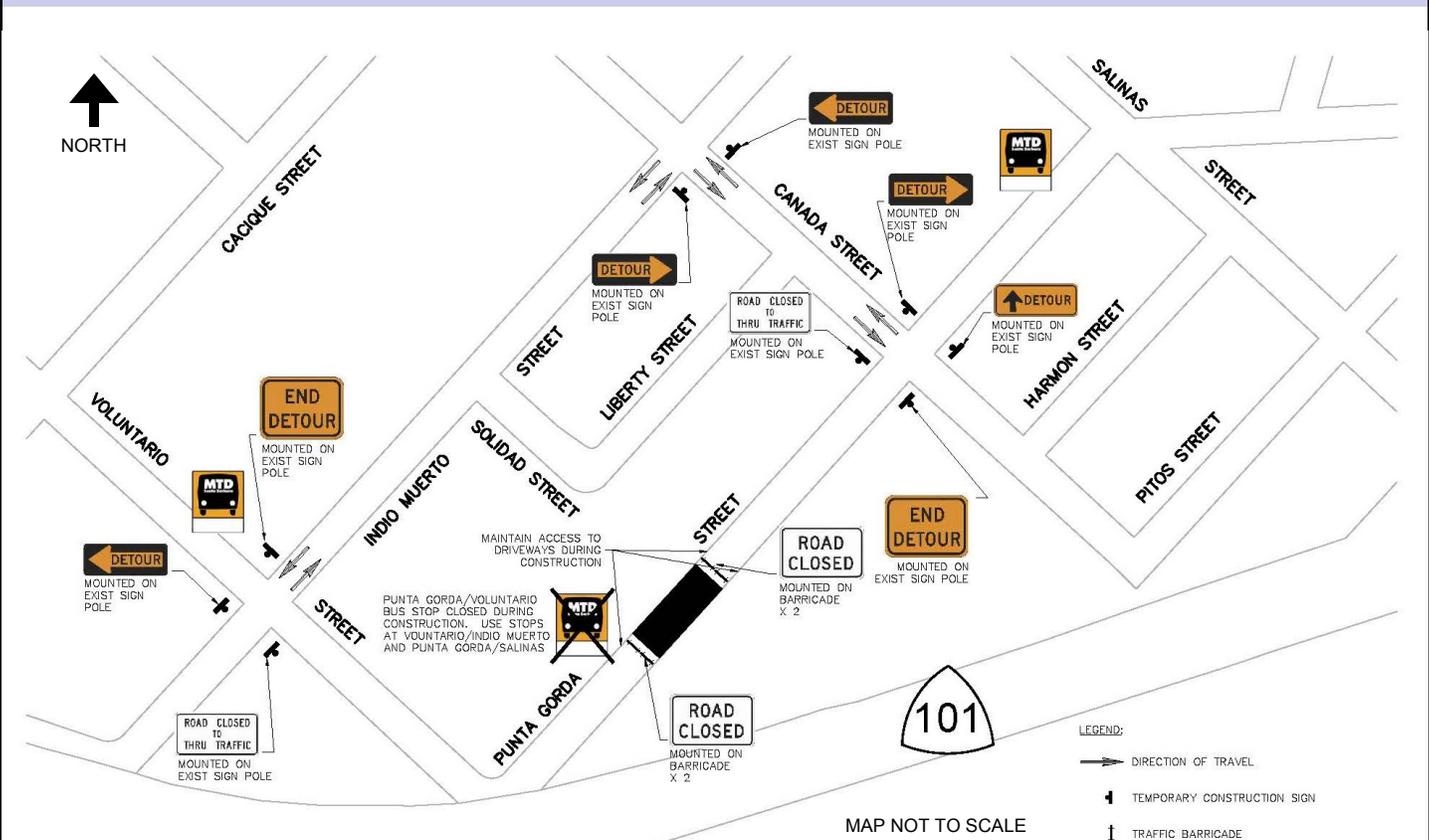


Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project

Traffic Flow

Punta Gorda Street Bridge will be closed to through traffic during the construction of the bridge. Access to properties will be maintained at all times. Emergency vehicles will be allowed access. Motorists should expect time delays and increased traffic on surrounding streets.

Traffic Detour Map



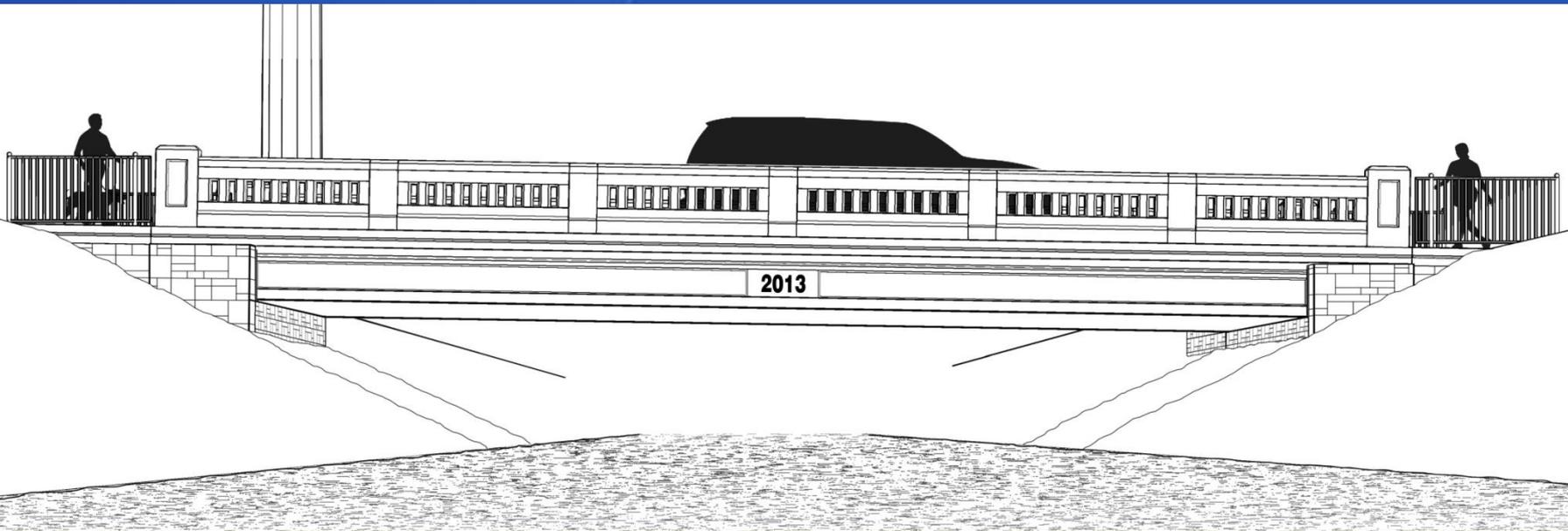


Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project Aerial Map





Lower Sycamore Creek Widening and Punta Gorda St. Bridge Replacement Project



Council Meeting
May 21, 2013

Green Mobile Home Park Encroachment Permit Vicinity Map

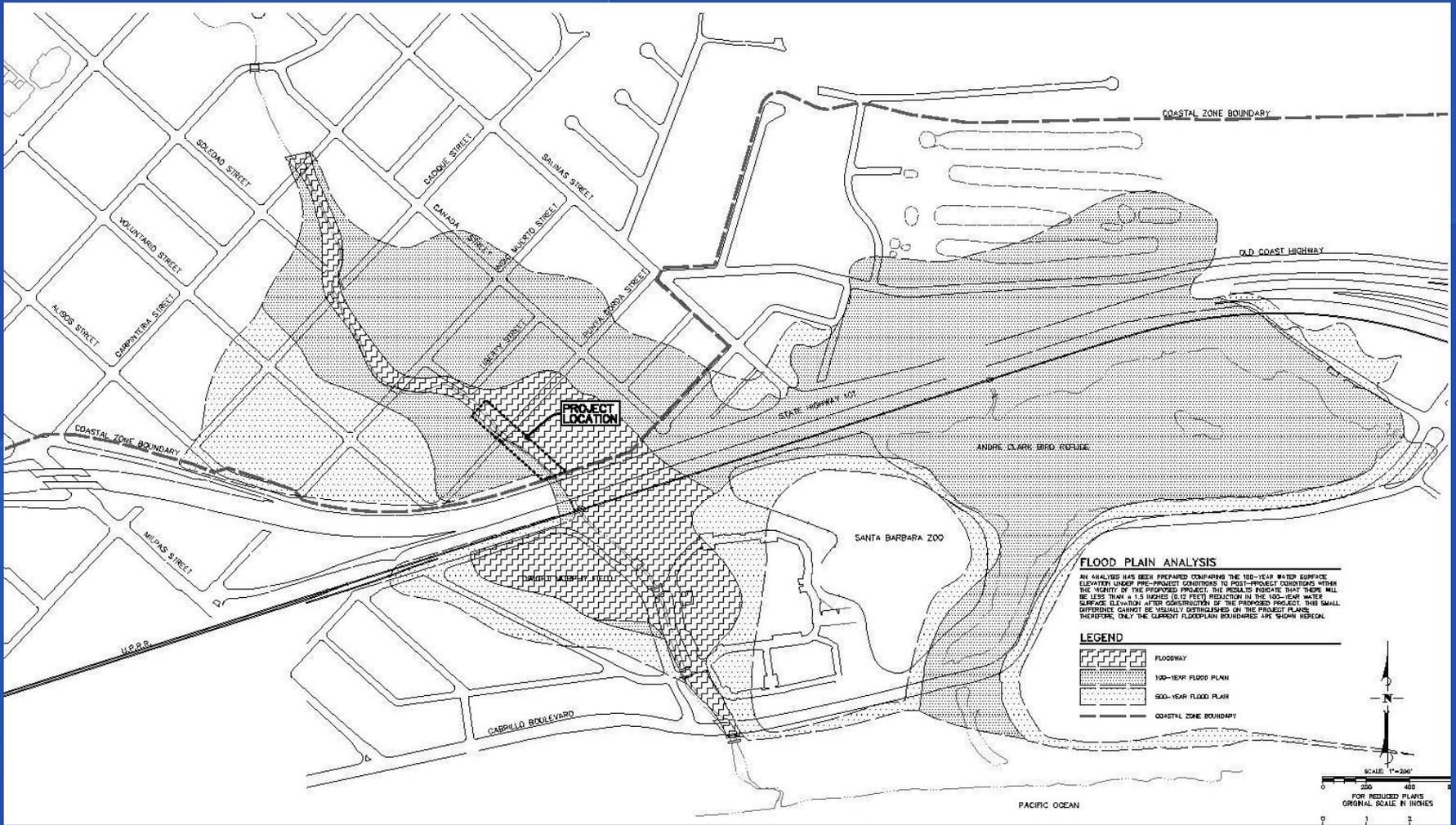


Existing Bridge

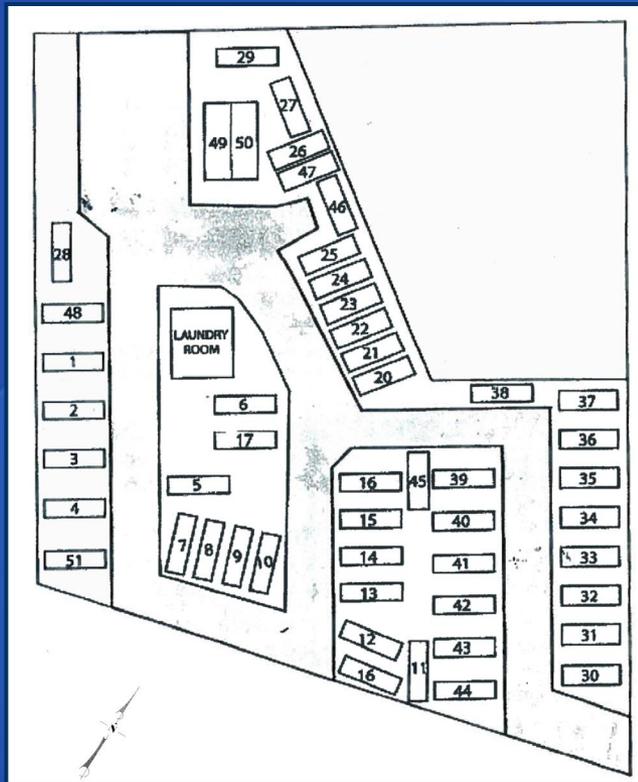




Floodplain



Green Mobile Home Park Encroachment Permit Schematic Layout and Aerial Photo

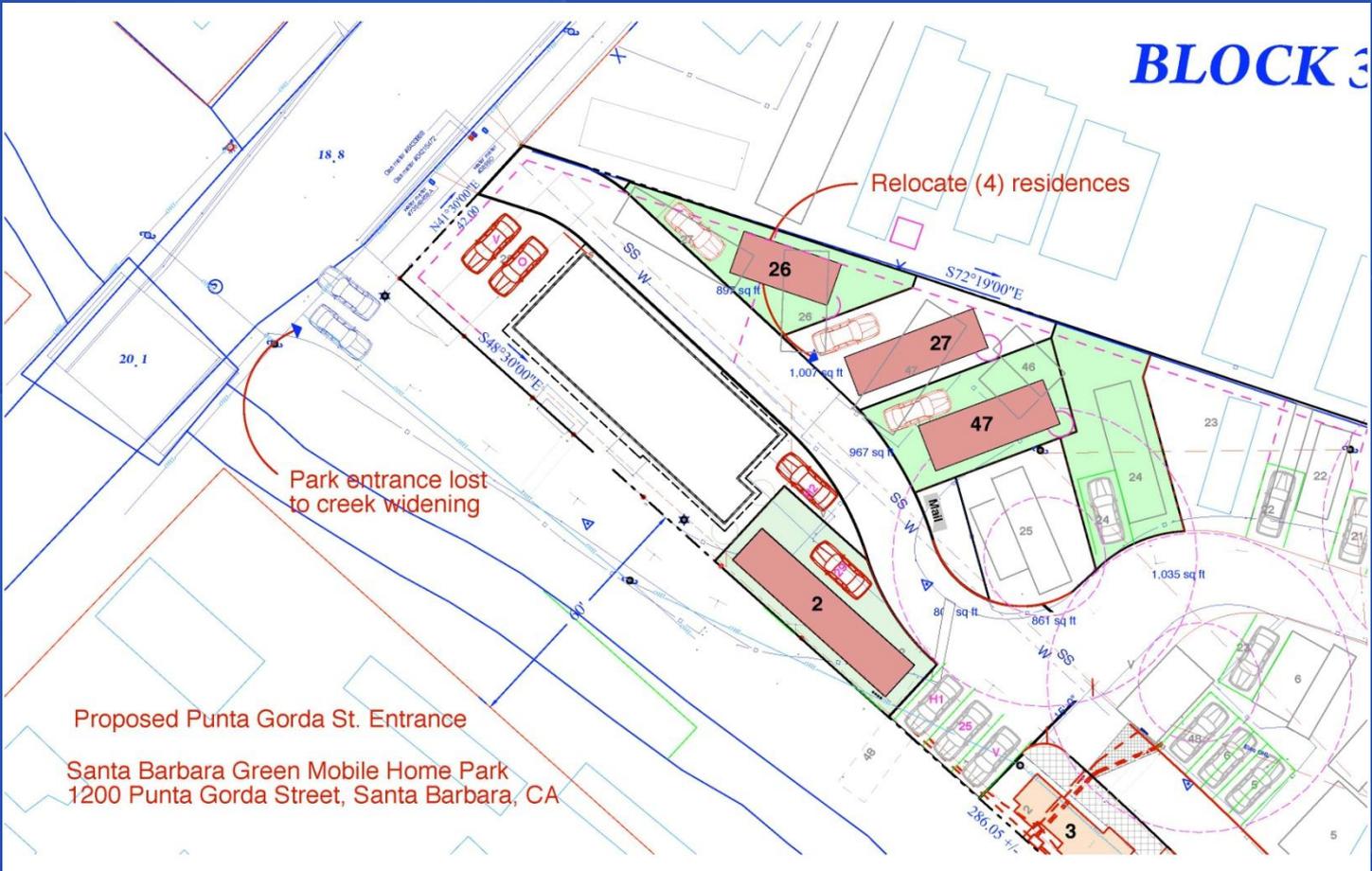




Planning Commission notes

Planning Commission Staff Report

- ◆ Mobile Home Park driveway entrance on Punta Gorda Street is located within the public right-of-way and would be removed. Retaining the driveway was evaluated and determined to not be a feasible option...
- ◆ “Emergency Access: ...The Fire Department has determined that adequate emergency access to the site would be maintained.”

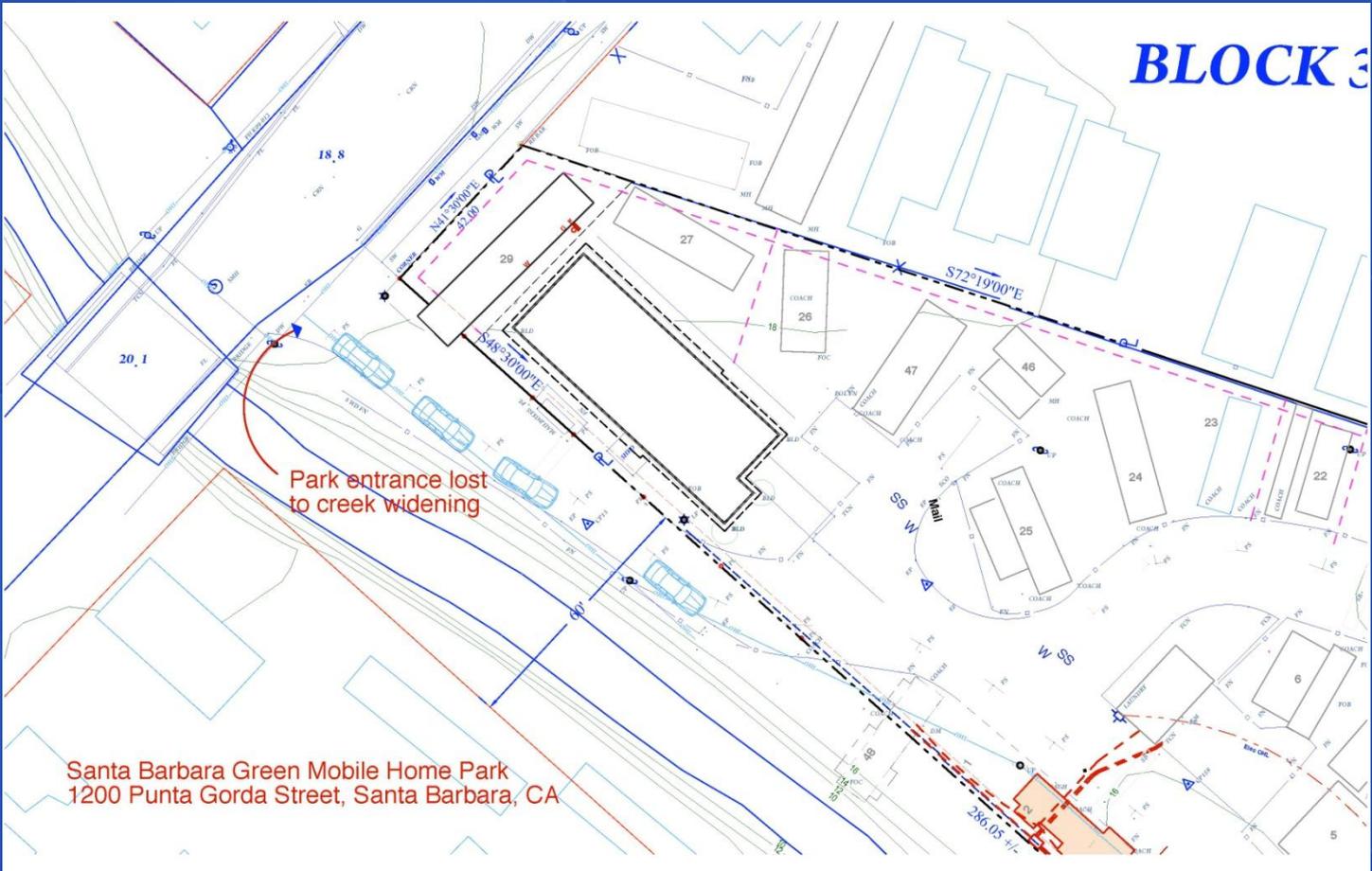




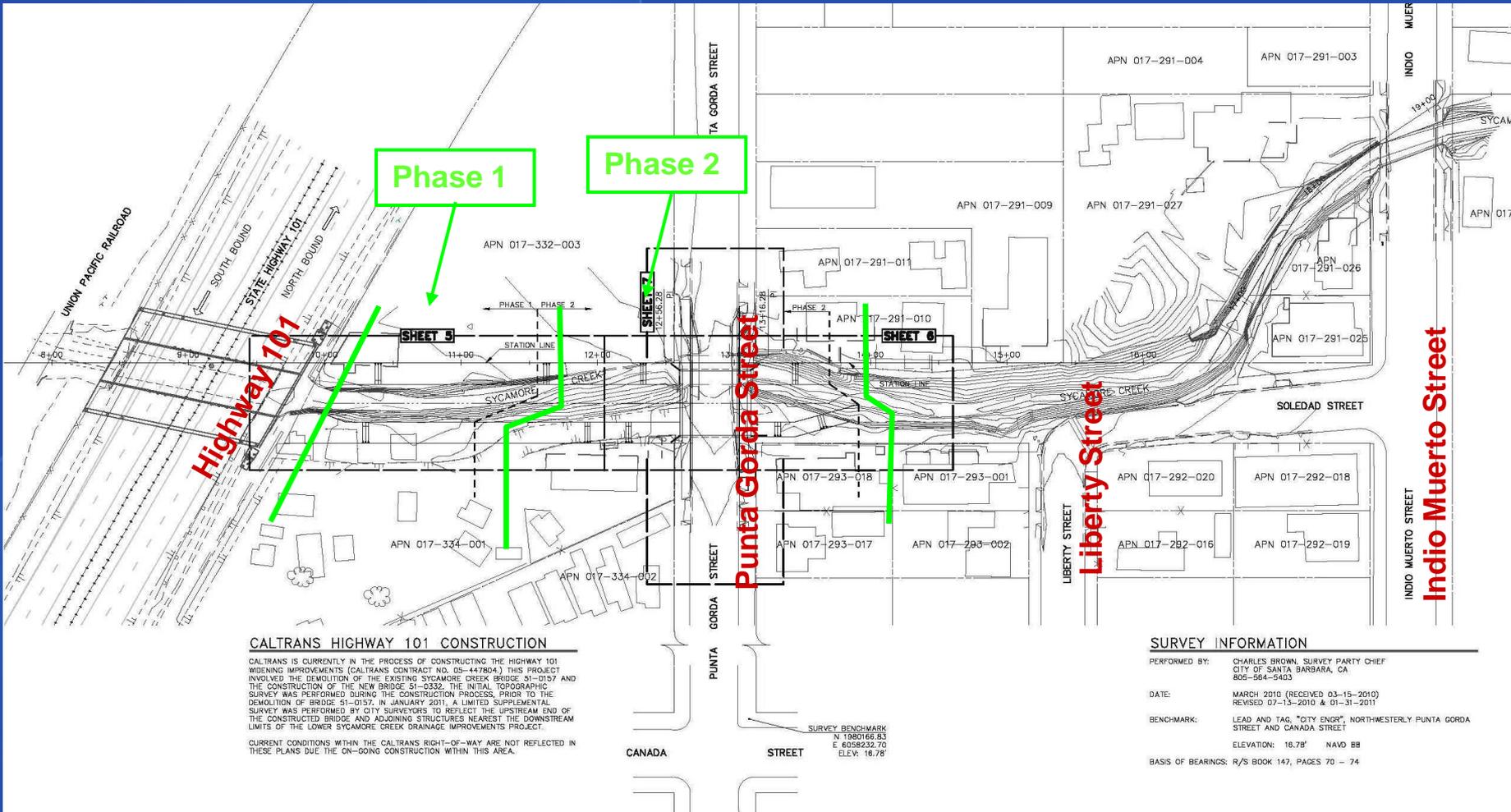
Summary

◆ Questions ?

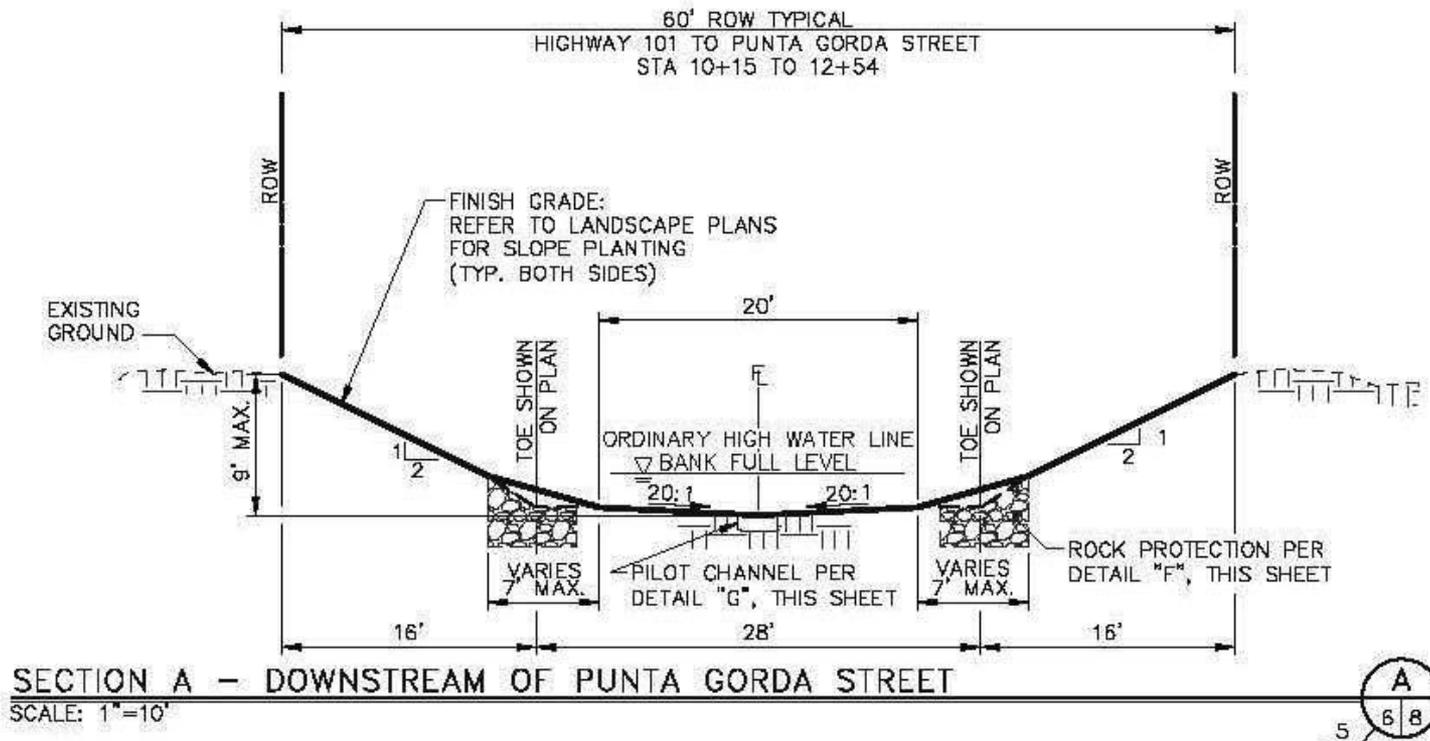




Project Area



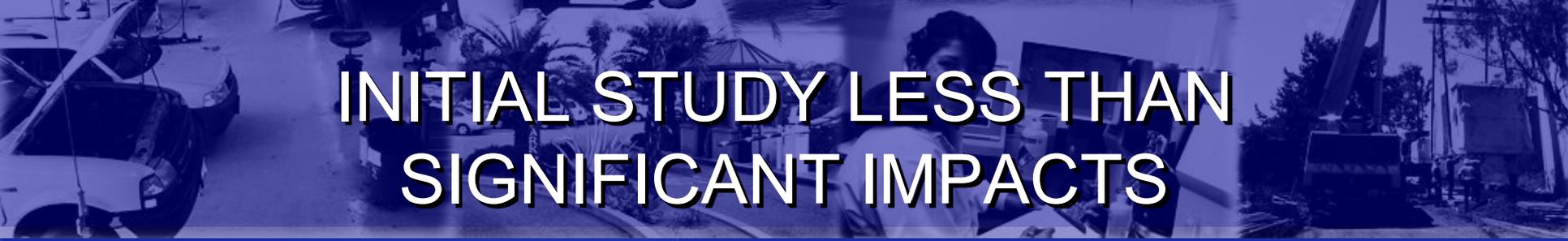
Typical Cross Section





Project Description

- ◆ Channel widening beginning five feet north of the Highway 101 to a point approximately 75 feet upstream of the Punta Gorda Street Bridge
- ◆ Replacement of the Punta Gorda Street Bridge
- ◆ Creek restoration plan



INITIAL STUDY LESS THAN SIGNIFICANT IMPACTS

- ◆ Aesthetics
- ◆ Air Quality
- ◆ Cultural Resources
- ◆ Geophysical Conditions
- ◆ Hazards
- ◆ Noise
- ◆ Population and Housing
- ◆ Public Services
- ◆ Recreation
- ◆ Transportation



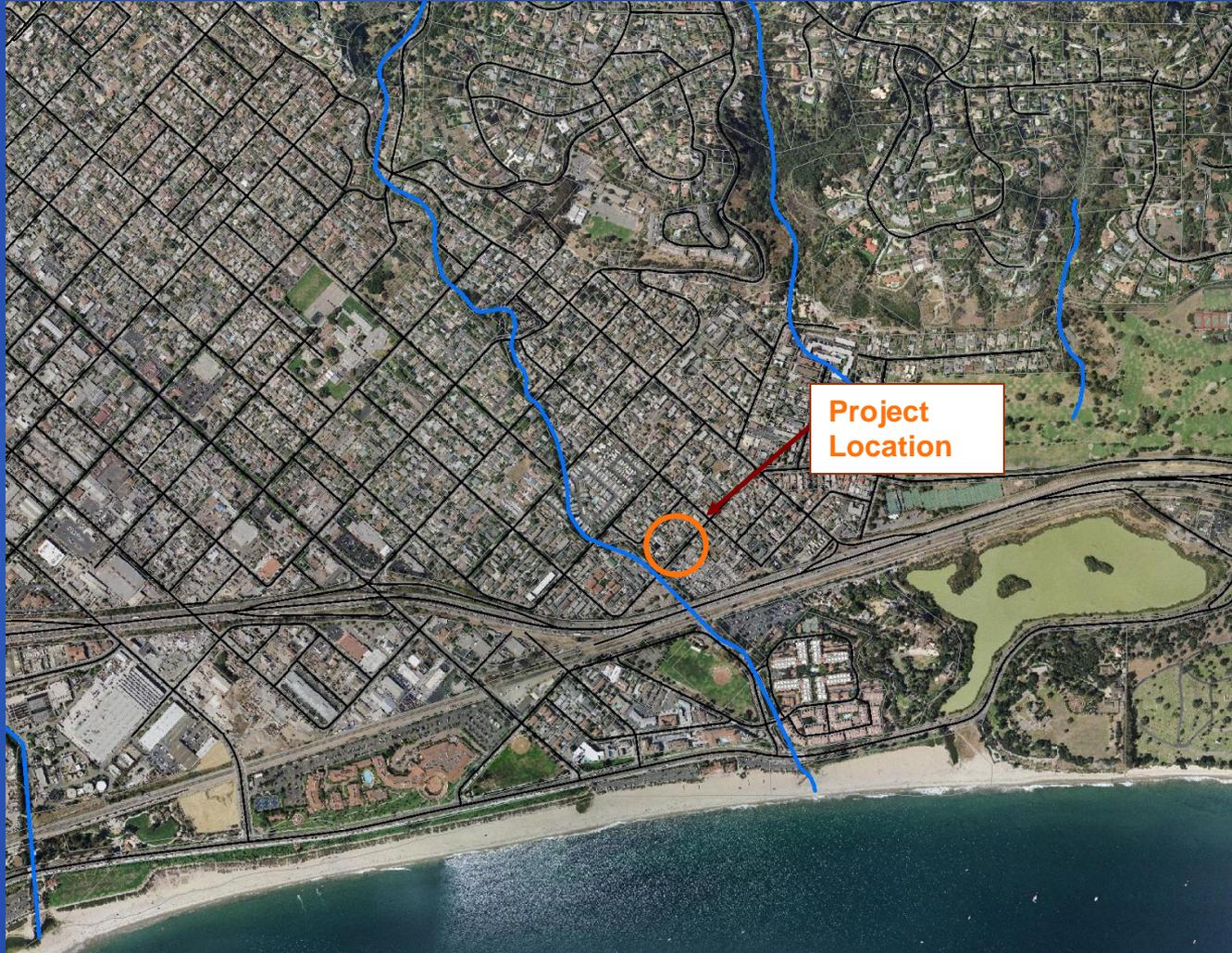
Initial Study Conclusion

- ◆ With mitigation measures, all potentially significant impacts can be reduced to a less than significant level.
- ◆ All other impacts are less than significant.
- ◆ Mitigated Negative Declaration is appropriate level of environmental review.

Planning Commission Considerations

- ◆ Project description and Environmental setting
- ◆ Consistency with City policies
- ◆ Analysis of environmental impacts
- ◆ Identification of mitigation measures for any potential significant effects
- ◆ Significance of impacts following mitigation
- ◆ Determination of whether a Negative Declaration or EIR is appropriate for project.

Lower Sycamore Creek Watershed





Key Milestones

- ◆ Oct. 6, 2009: Council Terminates Encroachment Permit
- ◆ Feb. 23, 2010: Council awards channel widening final design
- ◆ May 10, 2011: Council approves Application for Disaster Recovery Initiative (DRI) Grant
- ◆ Oct. 4, 2011: Council accepts (DRI) \$2.66M Grant
- ◆ Dec. 6, 2011: Council awards final Bridge design
- ◆ Apr. 16, 2013: Const Mgmt Award - Tabled



Key Milestones

- ◆ Sept 17, 2012: ABR Final Approval
- ◆ April 16, 2013: Council directs staff to explain consequences of loosing Punta Gorda Driveway for GMHP
- ◆ **SCHEDULED:**
 - May 21st, Construction Contract Award

Punta Gorda Bridge and Sycamore Ck widening Project

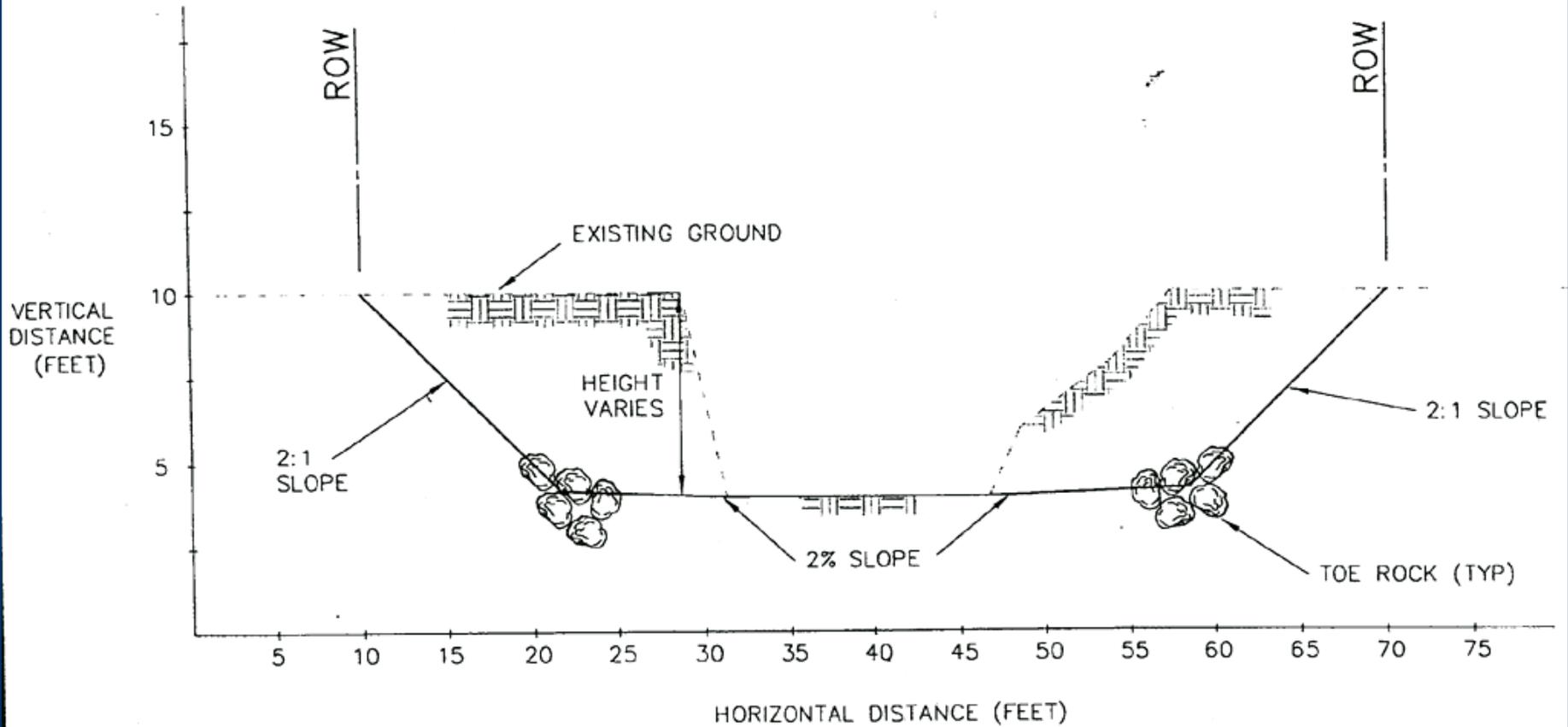
- ◆ April 16 Council direction – Staff return with explanations of:
 - When and why was Sycamore Creek right of way Encroachment Terminated
 - Describe how new channel affects areas downstream of new freeway bridge
 - How is Green Mobile Home Park (GMHP) internal circulation affected for Fire Department access and potential congestion by loss of Punta Gorda driveway.
 - Describe public noticing
 - How could the Bridge construction grant be affected if bridge and channel is redesigned

Existing Channel

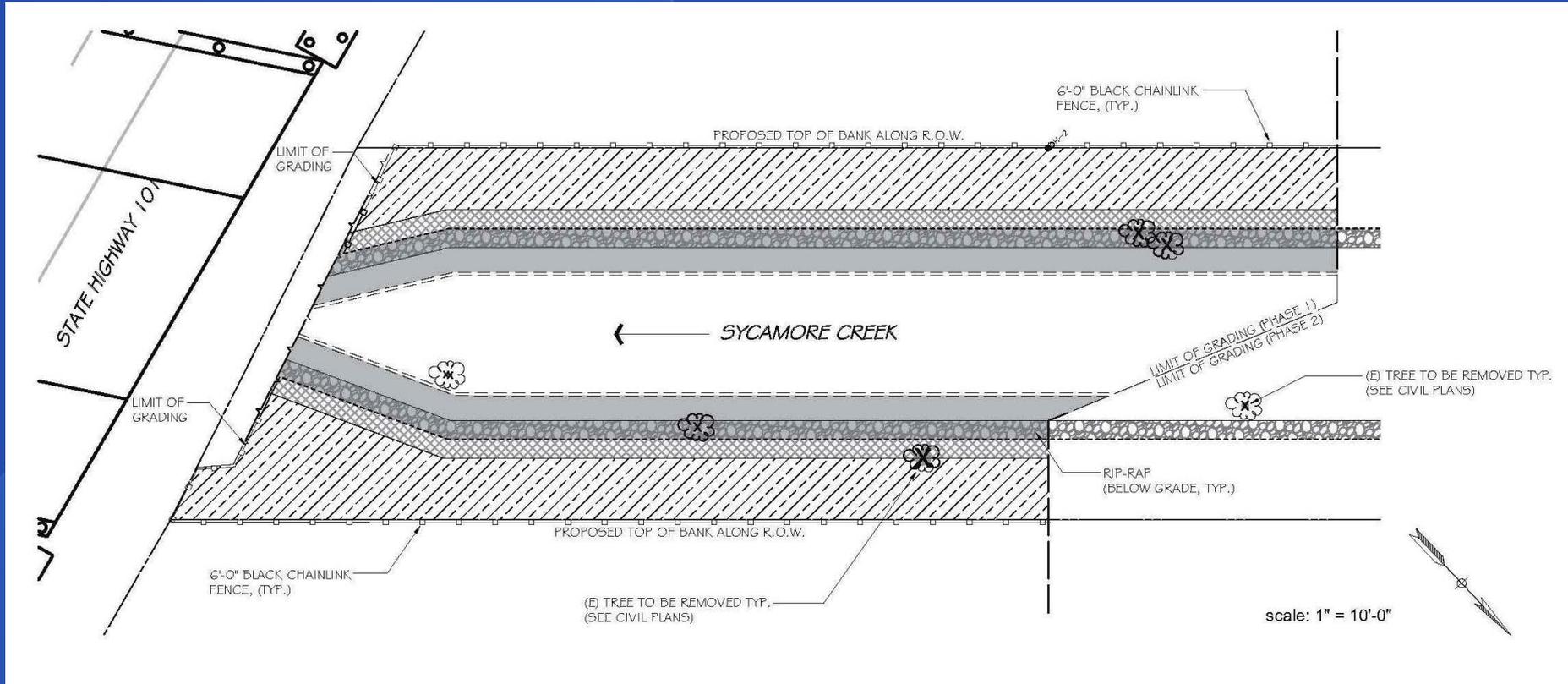


Green Mobile Home Park Encroachment Permit

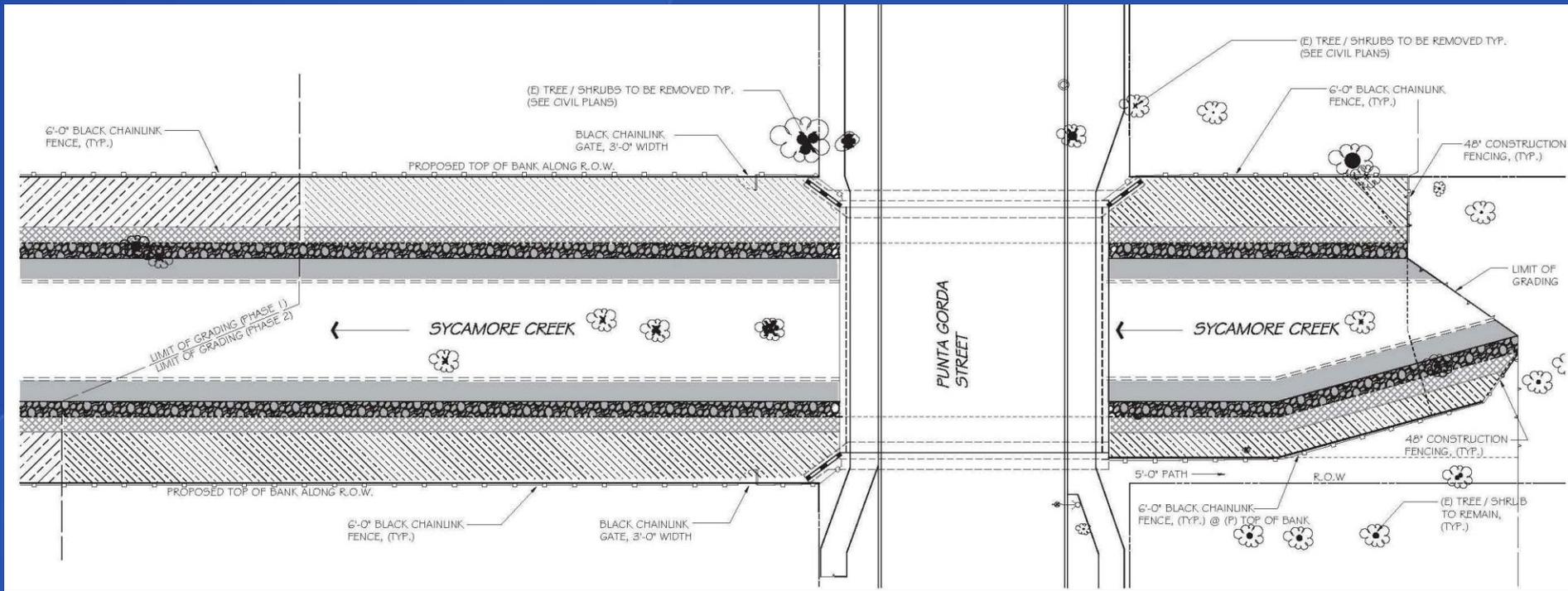
Option A – Typical Cross Section



Channel Widening



Channel Widening and Bridge

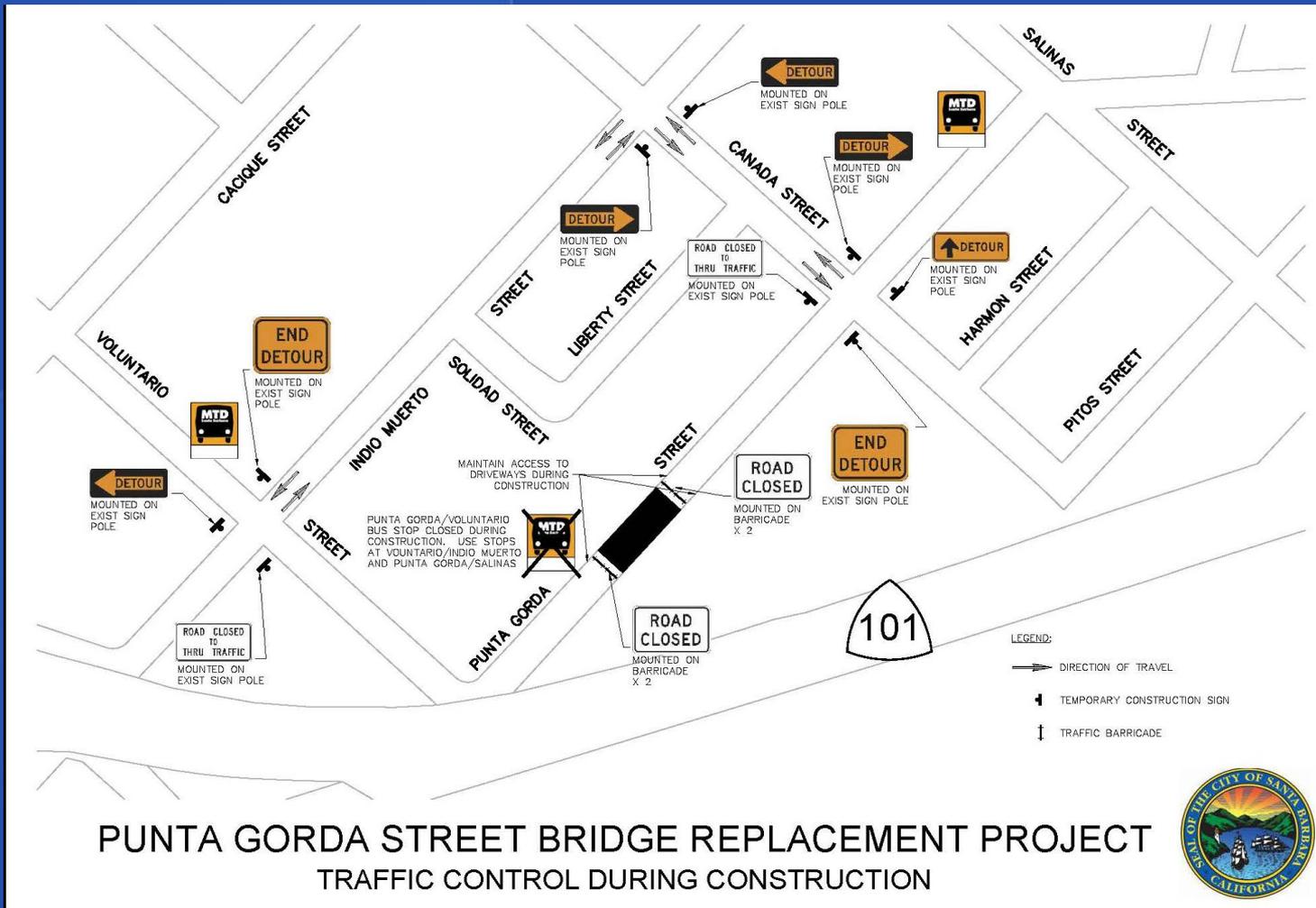




Construction

- ◆ Duration of construction: 6 months
- ◆ Punta Gorda closed during bridge construction only
- ◆ Dewatering of channel and fish recovery
- ◆ Relocation of sewer and utility lines
- ◆ Revegetation and restoration
- ◆ Maintenance for 5 years

Typical Cross Section





PUBLIC NOTICING

- ◆ October 2009 - Encroachment Termination Hearing - Public Meetings
- ◆ December 2011 - Planning Commission Environmental Hearing – written notices
- ◆ ABR meetings – written notices
- ◆ April 2013 - written Public Outreach notices

Green Trailer Park Encroachment Permit Schematic Layout

