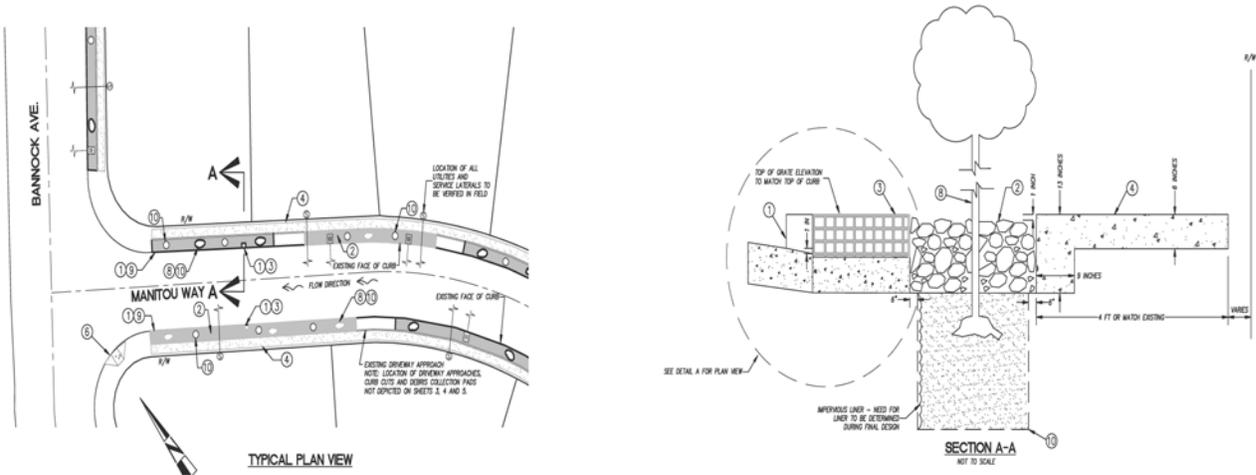


**PRELIMINARY ENGINEERING REPORT
(10% Pre-Design Report)**

**Bannock Avenue Neighborhood Streetscape
Enhancements and Bannock Avenue Bacteria
Treatment for Tecolote Creek Watershed Protection
CIP# 12-159.0 / WO# 121598 / SAP # B-10027**

October 5, 2009



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Per Request of

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ACKNOWLEDGMENTS

This study builds on the Tier II & Tier III Storm Water Best Management Practices Conceptual Designs Final Report prepared for the City of San Diego Storm Water Department prepared by Weston Solutions. The assistance and cooperation of the following individuals during further project detailing and the preparation of this report are greatly appreciated:

In Coordination With:

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- Transportation CIP Projects Representative from PITS Division:
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- Appendix B 10% Design Level – Cost Estimate
- Appendix C 10% Design Level – Cash Loaded Schedule Estimate (Primavera)
- Appendix D Project Accounting Information
 - Job Order Request Form (AC256)
 - Available Project Funding (APP09i)
 - Departments with access to project funding (Job02x)
- Appendix E Preliminary Environmental Assessment Memorandum
- Appendix F Traffic Count Report
- Appendix G Survey Request
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- Appendix J Project Prioritization Calculations
- Appendix K Utility As-builts
- Appendix L Project Intake Form
- Appendix M Project Contacts
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1 NOTES TO THE PROJECT MANAGER

1.1 Objectives of the Study

The mission of the Preliminary Engineering & Program Coordination Section is to detail the scope of work, evaluate the clients' CIP project requests for adequacy of provided funds against the proposed scope of work, establish a cash loaded project schedule and get concurrence on the scope, cost, schedule goals between the three parties involved – the Client, the Preliminary Engineering team and the Project Management Team. Key to this effort is the identification of project risks and accounting for them in the scope, schedule and cost estimates – which this report does. Lastly, this report memorializes the partnering meetings held between the Client, Preliminary Engineering team and the Project Management team.

1.2 Assumptions Made

This study is based on the following assumptions (further detailed in the study):

- The project requested by the client is supported by the community
- Cost estimates reflect the current bidding climate and do not factor in inflation
- Project will be Consultant designed and managed by City Staff
- Design-Bid-Build method of delivery will be applied

1.3 Preliminary Engineering Level of Effort

In preparing the 10% Pre-Design Level Report, the preliminary Engineering Section has made every attempt to ensure the success of the project and all those involved by advancing the project per the below:

- We've obtained a preliminary environmental assessment (Appendix E)
- We've obtained a survey (Appendix G)
- We've provided a 10% Design level project design/construction cost estimate (Appendix B)
- We've evaluated the project for potential conflicts (e.g. utilities and obstructions)
- We've evaluated the project for potential opportunities (e.g. bundling with other projects)
- We've established a cash loaded schedule in the Dept's Primavera system (Appendix C)
- We've coordinated the scope, cost and schedule with the client and PM/Design reps
- We've visited the site and provided project alignment photos (Appendix I)
- We've culminated all project related information in this report
- We've established the project accounting for project charges (Appendix D)
- We've utilized the Development Services Department Revised Unit Price List
- We've identified and flagged a funding shortage – and communicated with the client for needed funding

1.4 Summary of Findings

The following is a summary of findings discussed in this report:

- The project will require the installation of 6”pervious concrete sidewalk, one hydrodynamic separator, one Ab-Tech Unit, 550 bio-retention cells (2 per household) and perforated storm drain pipe connecting BMPs.
- A Water Pollution Control Plan (WPCP) must be prepared
- A Traffic Control Plan will be required for this project
- This project is expected to be Categorically Exempt from CEQA requirements
- ROW Design Project Manager must submit revised plans or final design package to ADA Project Review & Technical Support for review prior to bid and construction
- There is a funding need of \$3,595,745 for this project

Should you have any questions or comments on this report, please contact us.

2 PROJECT NEED

Project Type:	Drainage – Best Management Practices (BMPs)
Client:	Storm Water Department / Storm Water Pollution Prevention Division

The purpose of the Bannock Avenue Neighborhood Streetscape Enhancements and the Bannock Avenue Bacteria Treatment for Tecolote Creek Watershed Protection Project is to meet compliance with Municipal Stormwater Permit Order No. R9-2007-0001. The goal of the project is to reduce the pollutant load and volume of runoff entering the storm drain. This goal will be achieved by diverting stormwater from the street to bio-retention and treatment planters through curb cutouts. Enhanced streets will infiltrate storm flows through pervious pavement which will reduce storm flows. These goals will also be achieved by diverting flows through a segregation unit and a series of AbTech (Bacterial Treatment System) units.

3 PROJECT SCOPE OF WORK

The project is located within the Clairemont Mesa Community Plan Area (see Appendix A - Project Location). The project proposes to install one hydrodynamic separator, one AbTech Unit, 550 Bio-retention cells (2 per household) and perforated storm drain pipe connecting BMP’s. The project also proposes to replace existing sidewalk with 6” thick pervious concrete sidewalk. The project components shall be designed to remove pollutants and priority constituents of concern in the Tecolote Creek Watershed, including bacteria, heavy metals, nutrients, pesticides and sediment. The system shall be designed to achieve a 99% reduction in bacteria for the treated flow, in accordance with the final wet weather objective in the total maximum daily load for Indicator Bacteria in Tecolote Creek Tributary to Mission Bay.

The Tier II and Tier III Storm Water Best Management Practices Conceptual Designs Final Report provide further detail of project scope and need. Volume 1 of the report gives a background of the project including the site selection process and geotechnical investigations. It also gives detailed project definition and concept design. Volume 2 consists of the conceptual design drawings.

4 PROJECT FINANCIALS

Total project cost = \$4,733,926
 There is a funding deficit of \$3,595,745 for this project.

4.1 Project Cost

Table 1 below summarizes the 10% Design Level cost estimates provided in Appendix B (10% Design Level – Cost Estimate). The total project cost has been distributed per the tasks outlined in Appendix B.

TABLE 1 – Cost Estimate Summary			
	Cost	Funded	Unfunded
Design	\$1,138,200	\$1,138,200	\$0
Construction	\$3,595,700	\$0	\$3,595,700
TOTAL	\$4,733,900	\$1,138,200	\$ 3,595,700

Notes: Rounded up to the nearest \$100

4.2 Project Funding

This project is funded from the Capital Improvement Project (CIP) fund. The project currently has \$1,138,181 appropriated and a deficit of \$3,595,745.

4.3 Project Accounting

This project has been opened to all the necessary charging internal departments; see Appendix D (Project Accounting Information):

- Processed Job Order Request Form (AC256)
- Available Funding (APP09i)
- Departments with access to project funds (JOB02x)

5 SCHEDULE

Start of Construction: October 2011
End of Construction: October 2012

Table 2 outlines the estimated project schedule and is further detailed in Appendix C (Cash Loaded Schedule Estimate - Primavera).

TABLE 2 – Schedule Estimate Summary			
	Duration	Start	End
Design	18 months	October 2009	April 2011
Advertise/Award	6 months	April 2011	October 2011
Construction	12 months	October 2011	October 2012
TOTAL	36 months		

6 BUNDLE OPPORTUNITIES

There were no projects that were identified to be bundled with this project.

Using the “CIP Tracking” GIS software application and a review of the CIP projects in preliminary engineering, no other current or future projects were identified in the vicinity that would benefit from being grouped with this project.

7 PRIORITIZATION

Prioritization Score: 63

We have prioritized this project according to Council Policy 800-14. The values are outlined in Table 3 below and the detailed calculations are attached in Appendix J, (Project Prioritization Calculations).

Table 3 (Score of Project) Council Policy 800-14 CIP Prioritization Calculations for Bannock Avenue Neighborhood Streetscape Improvements and Bannock Avenue Bacteria Treatment for Tecolote Watershed Protection		
Factor	Max Score	Calculated Score
1. Health & Safety	25	15
2. Regulatory or mandated requirements	25	15
3. Implication of deferring the project	15	9
4. Annual recurring cost or increased longevity of the capital asset	10	4
5. Community investment	10	10
6. Implementation	5	5
7. Project cost and grant funding opportunity	5	0
8. Project readiness	5	5
TOTAL	100	63

8 PROJECT DELIVERY

Design: In-House
Construction: Design-Bid-Build

The project will be in-house designed by City staff and constructed by the lowest responsible bidder as determined through the City’s contract bid process.

9 CONSTRAINTS

9.1 Traffic Control

Traffic control plans will be required within the construction plans

Streets with an Average Daily Traffic (ADT) volume over 10,000 are required to have a traffic control plan included within the construction plans. Note that data is not available for every street. Traffic Control Plans are required for this project. However, Traffic Control Plans not part of the plans are issued over the counter at Development Services Department during construction activities see Appendix F, (Traffic Count Report).

9.2 Historical Districts

This project is not located within a historic district.

Using the CIP Tracking application, it was found that the project is not located within a historic district.

9.3 Utility Conflicts

Utility As-built maps were ordered for this project.

Utility maps were requested from SDG&E, Pacific Bell, USA Underground Dig-Alert, Point Loma Fuel Department, Time Warner Cable, Cox Communications and AT&T and can be found in Appendix K, (Utility As-builts).

9.4 Moratorium

The project is not located within a seasonal Moratorium area.
There are no overlay and slurry seal moratoriums within the vicinity of this project.

Construction restrictions are generally established to limit impact to communities during special events such as community festivals, sporting events, or block parties. The CIP Tracking database was used to identify projects within known seasonal moratorium areas. There were no identified seasonal moratoriums found within the vicinity of this project.

The CIP-Tracking application was also used to identify areas within existing overlay or slurry moratoriums and future paving moratoriums. There were no overlay and slurry seal moratoriums identified within the location of this project.

9.5 City of Villages

The project is not adjacent to a City of Villages development.

Using the CIP-Tracking application, a City of Villages development was not identified to be neighboring the project location.

9.6 Redevelopment

The project is not located within a Redevelopment Area.

The CIP-Tracking application also identified no Redevelopment Areas within the vicinity of the project.

9.7 Property Acquisition

Property Acquisition will not be required for this project.

The project area is located entirely within the public ROW and a Property Acquisition will not be required for this project.

9.8 Accessibility Issues

Project manager must submit final design package for review and approval to ADA Project Review & Technical Support prior to bid and construction.
The project proposes to install new pervious concrete sidewalks
New sidewalks must conform to Regional Standard G-7
Sidewalks must maintain a minimum width of 48"

The project proposes to install new pervious concrete sidewalks that must conform to the Regional Standards G-7 and maintain a minimum width of 48". The ROW Design Project Manager must submit final design package for review and approval to ADA Project Review & Technical Support prior to bid and construction see Appendix H, (Access Law Design Compliance Review).

9.9 Public Art

This CIP is not eligible for Public Art under Council Policy 900-11.

10 SURVEYING

A survey of the project site has been completed by City Survey Crews.

A Field Engineering Topographical Survey has been completed for this project; see Appendix G (Survey Request). The survey files are located in ProjectWise under the following file path:

11 PRELIMINARY ENVIRONMENTAL ASSESSMENT

A Water Pollution Control Plan will need to be completed.
This project is expected to be Categorical Exempt from CEQA requirements.

A Preliminary Environmental Assessment was completed to determine the impacts of this project within the City Right Of Way (ROW). Based on the general scope, the project will require CEQA exemption for conformance with sections: 15301(b) 'Existing Facilities' where there is negligible expansion of the stormdrain conveyance system; 15303(d) 'New Construction' that would serve the existing area and treat stormwater run-off, and 15304 'Minor Alterations to Land' where there would be minor improvements and the grade would be returned back to normal.

A Water Pollution Control Plan (WPCP) must be completed for this project. The project would involve work within the public right-of-way and a Traffic Control Pan would be required. For further details of this assessment, see Appendix E (Preliminary Environmental Assessment Memorandum).

12 MAINTENANCE IMPACTS

A standard increase of maintenance
Operations and maintenance will include regular maintenance of the hydrodynamic separator unit.
Regular maintenance will also be required of the AbTech unit.

Maintenance of both the hydrodynamic separator unit and the AbTech unit will vary year to year based upon rainfall frequency. Maintenance of the curb-side infiltration areas will consist of regular cleaning of the debris collection pads and more frequent removal of sediment from the collection areas themselves.

APPENDIX - A

PROJECT LOCATION MAP

APPENDIX - B

10% DESIGN LEVEL COST ESTIMATE

**PRELIMINARY ENGINEERING & PROGRAM COORDINATION SECTION
PRELIMINARY TOTAL PROJECT COST ESTIMATE**

TITLE Bannock Avenue Neighborhood Streetscape Enhancements and Bacteria Treatment
DATE 9/8/2009

PROJECT SCOPE

The project proposes to install storm water filtration devices at Bannock Street and Manitou Way in the Clairemont Mesa community within the City of San Diego. Improvements are proposed to include 6" pervious concrete sidewalk, installation of one hydrodynamic separator, one Ab-Tech Unit, 500 bio-retention cells (2 per household) and perforated storm drain pipe connecting BMPs. This is an effort to reduce pollutant and point source discharge from entering the storm drain system.

ASSUMPTIONS

This is a preliminary (10% Design) level cost estimate
A Water Pollution Control Plan (WPCP) must be prepared
A Traffic Control Plan will be required for this project
This project is expected to be Categorically Exempt from CEQA requirements

COST ESTIMATE

CONSTRUCTION SUB-TOTAL COSTS		\$2,949,750
	MOBILIZATION 6.00%	\$176,985
	CONTINGENCY 15.90%	\$469,010
CONSTRUCTION TOTAL		\$3,595,745
ADMINISTRATION & ENGINEERING DESIGN	31.65%	\$1,138,181
TOTAL PROJECT COST		\$4,733,926

Prepared By Gjaidan Stewart, Assistant Engineer - Civil, E&CP, PITS
Reviewed By Larry Kuzminsky, Associate Civil Engineer, E&CP, PITS

Client Concurrence Gene Matter, Senior Civil Engineer, Storm Water Pollution Prevention
Designer Concurrence Jamal Batta, Senior Civil Engineer, E&CP, ROWD

**PRELIMINARY ENGINEERING & PROGRAM COORDINATION SECTION
PRELIMINARY COST ESTIMATE
CONSTRUCTION SUB-TOTAL CALCULATION**

**TITLE
DATE**

Dannock Avenue Neighborhood Streetscape Enhancements and Bacteria Treatment
9/10/2009

	UNIT	UNIT PRICE	QUANTITIES	COST
Saw cut and grind concrete curb	LF	\$50.00	1100	\$55,000
Concrete sidewalk removal - assumes 6 inches	SF	\$1.50	74000	\$111,000
Excavation and export soil between sidewalk and curb assumes 274 homes have planters installed	CY	\$35.00	3000	\$105,000
Haul and dispose material - assumes 6 inches of concrete sidewalk and 1,100 feet of concrete curb	CY	\$50.00	1400	\$70,000
Miscellaneous soil and material export	LS	\$10,000.00	1	\$10,000
6-inch thick pervious concrete sidewalk	SF	\$8.00	74000	\$592,000
3 to 6-inch crushed rock assumes 274 homes have planters installed	CY	\$25.00	3000	\$75,000
30-gallon tree - two per house assumes 274 homes have planters installed	EA	\$200.00	550	\$110,000
Bioretention cell with amended soils - two per house assumes 274 homes have planters installed	EA	\$100.00	550	\$55,000
PCC disabled access ramps	EA	\$3,000.00	20	\$60,000
Driveway replacement from curb to sidewalk	EA	\$2,000.00	28	\$56,000
RCP storm drain	LF	\$175.00	210	\$36,750
AbTech Unit - assumed 9 cfs treatment at 150k/cfs	EA	\$1,350,000.00	1	\$1,350,000
Clearout - type A	EA	\$5,000.00	2	\$10,000
Hydrodynamic separator unit	EA	\$45,000.00	1	\$45,000
Miscellaneous landscaping and irrigation	LS	\$30,000.00	1	\$30,000
2-foot by 3-foot by 6-inch thick concrete pad assumes one in five homes have planters installed	EA	\$250.00	60	\$15,000
3-sided, 1/4-inch thick steel plate - 2 by 3 feet by 0.7 feet high with attachments assumes one in five homes has concrete pad and plate installed	EA	\$400.00	60	\$24,000
1/4-inch steel plate - 2-feet long with attachments assumes 274 homes with two per house	EA	\$200.00	550	\$110,000
Erosion control	LS	\$15,000.00	1	\$15,000
Traffic control	LS	\$15,000.00	1	\$15,000

CONSTRUCTION SUB-TOTAL COST

\$2,949,750

APPENDIX - C

10% DESIGN LEVEL CASH LOADED SCHEDULE ESTIMATE (PRIMAVERA)

Bannock Avenue Neighborhood Streetscape Enhancements for		ECP Turnaround Schedule Layout with P5				10-Sep-09 09:51				
Activity ID	Activity Name	Activ Note	Activity Name (Oct)	WBS	Budgeted Total Cost	Start	Finish	Original Duration	Remaining Duration	At completion Duration
Nassar					\$4,733,926.00	15-Sep-08	08-Nov-13	1295	1295	1295
Kuzminsky					\$4,733,926.00	15-Sep-08	08-Nov-13	1295	1295	1295
Bannock Avenue Neighborhood Streetscape Enhancements for Tecolote Creek W...					\$4,733,926.00	15-Sep-08	08-Nov-13	1295	1295	1295
PLANNING					\$10,000.00	15-Sep-08	25-Sep-09	260	260	260
A5PNXNN010	010 - \$ PRELIMINARY ENGINEERING ...			TDA5.01	\$10,000.00	15-Sep-08	25-Sep-09	260	260	260
Initiation					\$0.00	15-Sep-08	14-Oct-08	22	22	22
A5PNXNN018	018 - PROJECT INITIATION			TDA5.01.01	\$0.00	15-Sep-08	14-Oct-08	22	22	22
Scoping					\$0.00	15-Oct-08	25-Sep-09	238	238	238
A5PNXNN033	033 - PLANNING STUDY			TDA5.01.02	\$0.00	15-Oct-08	17-Feb-09	84	84	84
A5PNXNN193	193 - PLANNING STUDY REVIEW			TDA5.01.02	\$0.00	18-Feb-09	04-Mar-09	11	11	11
A5PNXNN071	071 - \$ SURVEY			TDA5.01.02	\$0.00	22-May-09	25-Aug-09	66	66	66
A5PNXNN195	195 - PLANNING REPORT REVIEW			TDA5.01.02	\$0.00	27-Jul-09	25-Aug-09	22	22	22
A5PNXNN066	066 - PLANNING RES ALLOCATION			TDA5.01.02	\$0.00	26-Aug-09	25-Sep-09	22	22	22
Plans & Estimates					\$0.00	15-Oct-08	25-Aug-09	216	216	216
A5PNXNN057	057 - \$ ALL CONSULT PLAN			TDA5.01.03	\$0.00	15-Oct-08	25-Aug-09	216	216	216
A5PNXNN106	106 - \$ AS-NEEDED MISC. PLANNING			TDA5.01.03	\$0.00	15-Oct-08	15-Oct-08	1	1	1
A5PNXNN022	022 - PRELIM UTILITIES REVIEW			TDA5.01.03	\$0.00	30-Oct-08	17-Dec-08	33	33	33
A5PNXNN028	028 - PRELIMINARY OPs REVIEW			TDA5.01.03	\$0.00	30-Oct-08	17-Dec-08	33	33	33
A5PNXNN100	100 - \$ PRELIMINARY ENV REVIEW			TDA5.01.03	\$0.00	18-Dec-08	21-Jan-09	22	22	22
A5PNXNN062	062 - PRE-DESIGN STUDY			TDA5.01.03	\$0.00	05-Mar-09	06-May-09	44	44	44
A5PNXNN194	194 - PRE-DESIGN STUDY REVIEW			TDA5.01.03	\$0.00	07-May-09	21-May-09	11	11	11
A5PNXNN122	122 - PRELIMINARY R/W REVIEW			TDA5.01.03	\$0.00	07-May-09	24-Jul-09	55	55	55
A5PNXNN063	063 - PLANNING REPORT (PRE-DESI...			TDA5.01.03	\$0.00	22-May-09	24-Jul-09	44	44	44
Prioritization					\$0.00			0	0	0
Coordination & Concurrence					\$0.00			0	0	0
DESIGN					\$1,128,181.00	28-Sep-09	28-Mar-11	375	375	375
A5D1X01258	258 - \$ PROJECT DESIGN (H)			TDA5.02	\$1,128,181.00	28-Sep-09	28-Mar-11	375	375	375
Design Package					\$0.00	28-Sep-09	28-Mar-11	375	375	375
A5D1X01065	065 - DESIGN INITIATION *			TDA5.02.01	\$0.00	28-Sep-09	30-Nov-09	44	44	44
30% Design					\$0.00	01-Dec-09	08-Apr-10	88	88	88
A5D1X01250	250 - 30% DESIGN			TDA5.02.0...	\$0.00	01-Dec-09	08-Mar-10	66	66	66
A5D1X01075	075 - \$ OPs DESIGN COORDINATION			TDA5.02.0...	\$0.00	09-Mar-10	09-Mar-10	1	1	1
A5D1X01254	254 - 30% DESIGN REVIEW			TDA5.02.0...	\$0.00	09-Mar-10	08-Apr-10	22	22	22
60% Design					\$0.00	09-Apr-10	29-Jul-10	78	78	78

Activity ID	Activity Name	Activ Note	Activity Name (Orig)	WBS	Budgeted Total Cost	Start	Finish	Original Duration	Remaining Duration	At completion Duration
A5D1X01270	270 - 60% DESIGN			TDA5.02.0...	\$0.00	09-Apr-10	28-Jun-10	56	56	56
A5D1X01196	196 - 60% DESIGN REVIEW			TDA5.02.0...	\$0.00	29-Jun-10	29-Jul-10	22	22	22
100% Design					\$0.00	30-Jul-10	20-Dec-10	99	99	99
A5D1X01280	280 - 100% DESIGN & SPEC DESIGN			TDA5.02.0...	\$0.00	30-Jul-10	30-Sep-10	44	44	44
A5D1X01197	197 - 100% DESIGN & SPEC DESIGN ...			TDA5.02.0...	\$0.00	01-Oct-10	01-Nov-10	22	22	22
A5D1X01085	085 - PLAN CHECK (CITYWIDE)			TDA5.02.0...	\$0.00	02-Nov-10	20-Dec-10	33	33	33
Final Design					\$0.00	02-Nov-10	28-Mar-11	99	99	99
A5D1X01290	290 - FINAL DESIGN			TDA5.02.0...	\$0.00	02-Nov-10	03-Dec-10	22	22	22
A5D1X01292	292 - \$ CONTRACT PROCESS/SPEC ...			TDA5.02.0...	\$0.00	02-Nov-10	06-Jan-11	44	44	44
A5D1X01293	293 - 1472/PA700/ (INT) ROUTING			TDA5.02.0...	\$0.00	06-Dec-10	06-Jan-11	22	22	22
A5D1X01274	274 - FINAL DESIGN APPROVAL *			TDA5.02.0...	\$0.00	21-Dec-10	28-Mar-11	66	66	66
A5B1X01294	294 - 1472/PA700/NR&C (EXT) ROUTL...			TDA5.02.0...	\$0.00	07-Jan-11	11-Mar-11	44	44	44
Consultant Services Procurement					\$0.00	28-Sep-09	28-Mar-11	375	375	375
A5D1X01256	256 - \$ ALL CONSULT DESIGN			TDA5.02.02	\$0.00	28-Sep-09	28-Mar-11	375	375	375
A5D1X01262	262 - \$ AS-NEEDED MISC. DESIGN			TDA5.02.02	\$0.00	09-Apr-10	09-Apr-10	1	1	1
A5D1X01261	261 - \$ AS-NEEDED GEOTECH DESIGN			TDA5.02.02	\$0.00	09-Apr-10	09-Apr-10	1	1	1
A5D1X01276	276 - \$ AS-NEEDED TRAFFIC CONTR...			TDA5.02.02	\$0.00	31-Aug-10	31-Aug-10	1	1	1
Dry Utilities Design & Relocation					\$0.00	09-Apr-10	09-Apr-10	1	1	1
A5D1X01068	068 - UTILITIES RELOC DESIGN-CON...			TDA5.02.03	\$0.00	09-Apr-10	09-Apr-10	1	1	1
Public Art					\$0.00			0	0	0
Community & Agency Approval					\$0.00	09-Apr-10	09-Apr-10	1	1	1
A5D1X01026	026 - CITY/AGENCY/PRIVATE AGREE...			TDA5.02.05	\$0.00	09-Apr-10	09-Apr-10	1	1	1
Environmental & Other Permits					\$0.00	09-Apr-10	31-Aug-10	101	101	101
A5D1X01260	260 - \$ AS-NEEDED ENV DESIGN			TDA5.02.06	\$0.00	09-Apr-10	09-Apr-10	1	1	1
A5D1X01108	108 - PERMIT REVIEW-ACQUIRE (NO...			TDA5.02.06	\$0.00	09-Apr-10	09-Apr-10	1	1	1
A5D1X01104	104 - \$ ENV DESIGN REVIEW - DSD			TDA5.02.06	\$0.00	30-Jul-10	30-Aug-10	22	22	22
A5D1X01090	090 - PERMIT REVIEW-ACQUIRE (ENV)			TDA5.02.06	\$0.00	31-Aug-10	31-Aug-10	1	1	1
LAND ACQUISITION					\$0.00	09-Apr-10	29-Mar-11	244	244	244
Preliminary Property Acquisition Package					\$0.00	09-Apr-10	09-Apr-10	1	1	1
A5L1X01123	123 - \$ R/W DRWNGS-NEGOS			TDA5.03.01	\$0.00	09-Apr-10	09-Apr-10	1	1	1
Property Acquisition					\$0.00	29-Mar-11	29-Mar-11	1	1	1
A5L1XNN124	124 - \$ R/W ACQUISITION			TDA5.03.02	\$0.00	29-Mar-11	29-Mar-11	1	1	1
FURNISHINGS, FIXTURES, & EQUIPMENT (FF&E)					\$0.00	22-Nov-11	05-Oct-12	220	220	220
Furnishings					\$0.00			0	0	0
Fixtures					\$0.00			0	0	0

Activity ID	Activity Name	Activ Note	Activity Name (Oct)	WBS	Budgeted Total Cost	Start	Finish	Original Duration	Remaining Duration	At completion Duration
Vehicles					\$0.00			0	0	0
Other Equipment					\$0.00	22-Nov-11	05-Oct-12	220	220	220
A5F1XNN643	643 - \$ EQUIPMENT PURCHASE			TDA5.04.04	\$0.00	22-Nov-11	05-Oct-12	220	220	220
BID / AWARD					\$5,000.00	29-Mar-11	04-Oct-11	132	132	132
A5B1X01259	259 - \$ ALL CONSULT BID/AWARD (H)			TDA5.05	\$0.00	29-Mar-11	04-Oct-11	132	132	132
Advertise / Bid					\$2,500.00	29-Mar-11	31-May-11	44	44	44
A5B1ANN117	117 - \$ CONTRACT BID PROCESS *			TDA5.05.01	\$2,500.00	29-Mar-11	31-May-11	44	44	44
Award					\$2,500.00	01-Jun-11	04-Oct-11	88	88	88
A5B1ANN118	118 - \$ CONTRACT AWARD PROCES...			TDA5.05.02	\$2,500.00	01-Jun-11	04-Oct-11	88	88	88
CONSTRUCTION					\$3,428,495.00	05-Oct-11	05-Oct-12	253	253	253
A5C1X01135	135 - \$ CONSTRUCTION CONTRACT ...			TDA5.06	\$300,000.00	05-Oct-11	05-Oct-11	0	0	0
A5C1X01289	289 - \$ ALL CONSULT CONSTRUCTI...			TDA5.06	\$0.00	05-Oct-11	05-Oct-12	253	253	253
Construction Contract					\$2,968,750.00	05-Oct-11	05-Oct-12	253	253	253
A5C1X01684	684 - ATI TO NTP PERIOD			TDA5.06.01	\$0.00	05-Oct-11	21-Nov-11	33	33	33
Construction Design					\$0.00			0	0	0
Field Construction					\$2,968,750.00	22-Nov-11	05-Oct-12	220	220	220
A5C1X01130	130 - \$ CONSTRUCTION OPERATION...			TDA5.06.0...	\$2,500,000.00	22-Nov-11	19-Jul-12	165	165	165
A5C1X01621	621 - \$ PUNCHLIST TO NOC *			TDA5.06.0...	\$468,750.00	20-Jul-12	05-Oct-12	55	55	55
Construction Administration					\$160,745.00	22-Nov-11	05-Oct-12	220	220	220
A5C1X01140	140 - \$ CITY FORCES WORK			TDA5.06.02	\$0.00	22-Nov-11	05-Oct-12	220	220	220
A5C1XCH300	300 - \$ CONSTRUCTION CONTINGEN...			TDA5.06.02	\$160,745.00	22-Nov-11	05-Oct-12	220	220	220
A5C1X01113	113 - PLANT ESTABLISH PERIOD			TDA5.06.02	\$0.00	22-Nov-11	05-Oct-12	220	220	220
A5C1X01115	115 - CONST ENV MONITORING			TDA5.06.02	\$0.00	22-Nov-11	05-Oct-12	220	220	220
City Forces Work					\$0.00			0	0	0
POST-CONSTRUCTION					\$161,250.00	08-Oct-12	08-Nov-13	275	275	275
Extended / Construction Site Mitigation					\$0.00	08-Oct-12	08-Oct-12	1	1	1
A5X1X01114	114 - \$ POST CONST ENV MONTRNG			TDA5.07.01	\$0.00	08-Oct-12	08-Oct-12	1	1	1
Warranty Administration					\$0.00	08-Oct-12	24-Oct-13	284	284	284
A5XNX01182	182 - WARRANTY ADMINISTRATION			TDA5.07.02	\$0.00	08-Oct-12	24-Oct-13	284	284	284
Close-out (As-Builts)					\$161,250.00	08-Oct-12	08-Nov-13	275	275	275
A5XNX01180	180 - \$ UPDATE CITY RECORDS (AS-...			TDA5.07.03	\$5,000.00	08-Oct-12	18-Apr-13	132	132	132
A5X1X01637	637 - \$ CLOSE OUT PROJ PO (RET.)			TDA5.07.03	\$156,250.00	15-Nov-12	15-Nov-12	1	1	1
A5XNX01184	184 - PROJECT CLOSEOUT *			TDA5.07.03	\$0.00	25-Oct-13	08-Nov-13	11	11	11

APPENDIX - D

PROJECT ACCOUNTING INFORMATION

• Processed Job Order Request Form (AC256)

REQUEST No. _____	CITY OF SAN DIEGO AUDITOR AND COMPTROLLER JOB ORDER REQUEST	JOB ORDER No. 121598
----------------------	--	--------------------------------

A. TO BE COMPLETED BY THE COORDINATING DEPARTMENT

JOB ORDER TITLE (LIMIT OF 75 SPACES)
Bannock Avenue Neighborhood Streetscape Enhancements for Tecolote Creek Watershed Protection

PROJECT DESCRIPTION (INCLUDE LIMITS AND/OR LOCATION)
 Replace existing sidewalk with 6" thick pervious concrete sidewalk. Installation of one hydro-dynamic separator, one Ab-Tech Unit, 550 Bio-retention cells (2 per household) and perforated storm drain pipe connecting BMP's.

REQUESTING DEPT.		PROJECT DATA			AUTHORITY (IF NOT SCHEDULED)
DEPT. NO.	PROGRAM NO.	CIP NO.	YR. PROGRAM	FINANCING FUND(S)	
533	53360	12-159.0	2008	630221	R-303742

ESTIMATED COST OF PROJECT				PROPOSED SCHEDULE	
Participating Engr. Functions:				Dates:	
Dept./Name and Number	Program No.			Start design	_____
CP 543, 545, 547, 548, 549	54310, 54510, 54710		\$ _____	Completed design	_____
	54811, 54910		\$ _____	Start property acq.	_____
Purchasing/EOC 102	102		\$ _____	Completed property acq.	_____
Dev Services 1300	13003		\$ _____	Start construction	_____
City Attorney 045	4520		\$ _____	Project completion	_____
Storm Water 533	53360		\$ _____		
Other Engr. or Architectural cost			\$ _____	Additional financing comments:	
Total estimated Engr. cost.			\$ _____	CD: 6 Communities: Serra Mesa	
Estimated property cost			\$ _____	Funded \$1,138,181	
Estimated construction cost			\$ _____	Unfunded \$3,595,745	
Other cost (_____)			\$ _____	Total Project Cost \$4,733,926	
Total estimated project cost			\$ 1,138,181		

DATE REQUESTED: 10/6/2008	REQUEST PREPARED BY: Larry Kuzminsky	TELEPHONE NO.: (619) 533-3065	DIVISION APPROVAL: <i>[Signature]</i>
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B. TO BE COMPLETED BY THE CAPITAL IMPROVEMENTS PROGRAM COORDINATOR

CLEARED: (SIGNATURE) *[Signature]* DATE: *12/29/08*

C. TO BE COMPLETED BY THE AUDITOR'S OFFICE

ACCOUNTING FOR BILLING PURPOSES

I.C.	FUND	DEPT.	ORG.	JOB ORDER	OBJ. ACCT.	DOC. REF/REQ. NO.	REV. ACCT.	O.H. %	BEN. DEPT.
10	30244	30244	101	121598					

JOB ORDER ASSIGNED BY: <i>[Signature]</i>	DATE: 01/14/09	JOB ORDER APPROVED BY: <i>[Signature]</i>	DATE: 1/12/09
--	-------------------	--	------------------

D. COORDINATING DEPARTMENT FILLS IN UPON COMPLETION, OR ABANDONMENT OF PROJECT

DATE PROJECT COMPLETED: _____	REPORTED BY: _____	DATE: _____	COORDINATING OFFICER'S APPROVAL: _____
-------------------------------	--------------------	-------------	--

- INSTRUCTIONS:
- THIS FORM IS TO BE COMPLETED BY ANY ENGINEERING FUNCTION REQUESTING A JOB ORDER NUMBER TO BE ASSIGNED TO A PROJECT.
 - THE COORDINATING DEPARTMENT (ENGINEERING FUNCTION MAINTAINING CONTROL OF THE PROJECT) SHALL PREPARE ORIGINAL AND TWO COPIES, FILLING IN SECTION A. IF THE PROJECT IS A CIP PROJECT SEND ALL COPIES TO THE CIP ENGINEER FOR APPROVAL AFTER APPROVAL IS RECEIVED, OR IF NOT A CIP PROJECT, SEND ALL COPIES TO THE AUDITOR'S OFFICE.
 - THE AUDITOR'S OFFICE AFTER ASSIGNING A JOB ORDER NUMBER AND COMPLETING SECTION C, WILL SEND WHITE AND PINK COPIES TO THE COORDINATING DEPARTMENT AND RETAIN THE BLUE COPY.
 - THE COORDINATING DEPARTMENT WILL COMPLETE SECTION D AND SEND THE WHITE COPY TO THE AUDITOR'S OFFICE WHEN THE PROJECT IS COMPLETED, OR ABANDONED AND THE JOB ORDER IS TO BE CLOSED.

- Available Funding (APP09i)

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APP09I DEPT: 30244   ORG LEVEL: 101   JO: 121598 PY:   PRINT: N   PG   1
PRIOR PD:   FY: 09   CY SPECIAL FUND FINANCIAL STATUS
DEPT: CAPITAL IMPROVEMENT PROGRAM   ORG: STORM DRAINS
OBJECT      TITLE                APPROPRIATION  EXPENDITURE  ENCUMBRANCE  UNENC BAL APP
4114  PRELIM ENG-CITY.           9198.89-                9198.89-
4279  OTH NON PERSNL             1138181.00                1138181.00
TOTAL SUPPL/SERV/OTHER  1128982.11                1128982.11
TOTAL STORM DRAINS      1128982.11                1128982.11

```

MESSAGE: THAT IS ALL OF THE OBJECT ACCOUNTS AND CLASSES.

Printed on 9/3/2009

- Departments with access to project funds (JOB02X)

JOB02X JOB ORDER NO: 121598 PRINT? N PG 1

JOB ORDER CROSS REFERENCE

S DEPT	PROG REF	OPEN--DATE	CLOSE-DATE	S DEPT	PROG REF	OPEN--DATE	CLOSE-DATE
045	04520	12/27/08		101	10101	02/06/09	
102	102	12/27/08		1300	13003	12/27/08	
30244	324423	12/27/08		533	53360	12/27/08	
543	54310	12/27/08		545	54510	12/27/08	
547	54710	12/27/08		548	54811	12/27/08	
549	54910	12/27/08		630221	630221	12/27/08	

REQUEST COMPLETE -/- TOTAL DEPARTMENTS FOR JOB ORDER====> 12 (JOB00I==>PF2)

**Storm Water
Storm Water Program**

Annual Allocation - Watershed Water Quality Improvements 12-159.0

Council District: Citywide

Community Plan: Citywide

Description: This project provides for the design and construction of Watershed Capital Projects. These projects, in conjunction with non-structural water quality projects, address storm drain discharge water quality standards.

Justification: These projects satisfy watershed-based water quality activity requirements in the Regional Water Quality Control Board's Municipal Storm Water National Pollutant Discharge Elimination System (NPDES) permit.

Operating Budget Effect: Maintenance cost of the structural watershed Best Management Practice (BMP's) needs to be estimated and included in the storm drain infrastructure operating budget.

Relationship to General and Community Plans: This project is in conformance with the City's General Plan.

Scheduling: Projects will be scheduled on a priority basis.

Summary of Project Changes: This newly published project was authorized by City Council Resolution R-302590, dated May 7, 2007. It is proposed to allocate \$259,149 to this project for Fiscal Year 2010.

Expenditures by Revenue Source						
Revenue Source/Tag	Fund	Exp/Enc	Con Appn	FY2010	FY2011	FY2012
CITYGF	630221			259,149		
Total				259,149		
Work Codes						

Revenue Source/Tag	Fund	FY2013	FY2014	FY2015	FY2016 - FY2020	Unidentified Funding	Total
CITYGF	630221						259,149
Unidentified Funding	999999					11,000,000	
Total						11,000,000	259,149
Work Codes							

Contact: Sumer Hasenin

E-Mail: syhasenin@sandiego.gov

Phone: 858-451-4330

APPENDIX - E

PRELIMINARY ENVIRONMENTAL ASSESSMENT MEMORANDUM

CITY OF SAN DIEGO
MEMORANDUM

DATE: February 23, 2009

TO: Larry Kuzminski, Associate Civil Engineer, CIP Preliminary Engineering Section & Program Coordination, PITS Division

FROM: Carrie Purcell, Senior Planner; Roman Anissi, Associate Planner, Project Implementation & Technical Services

SUBJECT: **Preliminary Environmental and Permit Review for Bannock Avenue Neighborhood Streetscape Enhancements for Tecolote Creek Watershed, Job Order # (121597)**

This is a preliminary assessment for the request to install stormwater filtration devices at Bannock Street and Manitou Way in the Clairemont Mesa community within the City of San Diego. Improvements are proposed to include 6" pervious concrete sidewalk, installation of one hydrodynamic separator, one Ab-Tech Unit, 500 bio-retention cells (2 per household) and perforated storm drain pipe connecting BMPs. This is an effort to reduce pollutant and point source discharge from entering the stormdrain system.

Conceptual design drawings have been provided for review. As such, this is a discussion about the issues involved, including some recommendations about the steps necessary to move the project forward as it relates to environmental items and permitting. Landscaping shall be removed and replaced based on the plans identified. To the greatest extent practical, existing landscape should be protected (e.g.: mature trees). If landscaping is affected it should be replaced in-kind with adequately sized container stock.

If the project plans change to include other types of land disturbance, the project would need to be reassessed for environmental and permit requirements. **NOTE: This assessment is intended for use by ECP staff only and should not be forwarded to other reviewing departments or agencies (i.e., Development Services). Consult EPS staff directly for assistance with updating or converting the content of this document into appropriate regulatory submittal documentation.**

Biological Resources

Installation would occur entirely within the developed right-of-way. A biological survey would not be required.

Historical Resources

Located on the border of a mapped and not mapped archaeologically sensitive area. However, it would seem that it is on the not mapped side due to its location within an existing developed single-family neighborhood. As such, it would seem that mitigation and monitoring would not be required.

General Archaeological monitoring and/or mitigation note: Based on the assumptions of the scope of the work that would be done, such mitigation and/or monitoring may not be necessary. However, general notes about discovery could be included per Greenbook specifications for general purposes.

Paleontological Resources

This area is underlain by the Lindavista formation (moderate resource sensitivity).

For this section, mitigation and monitoring would not be required for any improvements and depths that do not expand beyond where previous disturbance has occurred (existing pipes/lines, etc); and is not in native fossil formations, and/or a minimum of 10 feet below grade, since these are the typical triggers for such requirements.

Geologic Hazards

The geologic hazard zone for the project area is as follows: Zone 53.

Zone 53: level or sloping terrain; unfavorable geologic structure, low to moderate risk.

It is assumed that any geologic hazard issues will be adequately addressed through appropriate engineering design.

Water Quality/Storm Water

Due to the nature of the project, it would seem that all issues identified in this section are referenced for general purposes only, as this is a water quality project aimed at making improvements to meet these standards.

The City of San Diego Land Development Manual - Storm Water Standards adopted March 24, 2008 applies to projects proposing development (see <http://www.sandiego.gov/development-services/news/pdf/stormwatermanual.pdf>). It establishes requirements and provides guidance for measures needed to protect water quality both permanently and during construction. Based on review of the Form DS-560 Storm Water Requirements Applicability Checklist <http://www.sandiego.gov/development-services/industry/pdf/forms/ds560.pdf>, any ground disturbance (trenching, etc.) may trigger Standard (permanent) Storm Water and Construction Storm Water measures for erosion/sediment control and materials management. The form also determines Construction Site Priority status for frequency of site visits during construction.

Priority Projects Storm Water Measures:

These projects are stormwater projects and seem to be implemented with correct detention facilities to ensure that proper reduction of point source pollutants meet local and state water agency standards. As such, they would not be considered a Priority Project, as identified.

Standard Permanent Storm Water Measures:

It would be expected that the project would implement Standard Measures such as those identified for Low Impact Development (LID) standards (see Sections III.B.1 and III.B.2 of the Storm Water Manual). Design methods to address could include pervious concrete, linear hydroseeding/vegetative areas, filtration/grassy swales surrounding development, etc. It seems that such improvements are incorporated into the current design.

Construction Storm Water Measures:

Construction storm water permitting requirements are based on various thresholds. However, because the project would most likely have less than 1-acre of ground disturbance, a WPCP would be required to be developed and implemented for the project. If more than 1-acre is expected to be disturbed other standards and plans may be required. See Form DS-560 Storm Water Requirements Applicability Checklist above. Pre- and post-construction BMPs, as well as items such as stenciling of storm drain inlets (i.e. "I live downstream"), inlet protections and debris storage/materials management and protection. See Water Pollution Control Plan (WPCP) requirements.

Public Health/Human Safety

In addition, based on the County of San Diego's Site Assessment and Mitigation (SAM) Listing and the State Geotracker database, the following apply within a 1000-foot radius for this location, as follows:

- 1) A total of eight (8) completed/closed cases that include the Daisy Dry Cleaners, Clairemont Auto Carr, Arco #6128 (3 cases), Fast Fuel (2 cases), and Clairemont Texaco.
- 2) One (1) open case at the Clairemont Auto Carr.

The site is not underlain by a disposal site.

Appropriate references to the potential to encounter contaminated soil or groundwater or other regulated wastes should be included in construction specifications in the case that unexpected contaminated materials are encountered. Any investigation done prior to construction would be helpful for potential bidders to determine costs associated with dewatering and/or contaminated soil/groundwater.

Long Range/Community Planning

Located within the Clairemont Mesa Community Plan area. Stormwater treatment and protection of the Tecolote Creek Watershed from untreated runoff would be consistent with the goals of the community plan.

Transportation/Circulation/Parking

The project would involve work within the right-of-way and a Traffic Control Plan would be required. No significant transportation, circulation, or parking impacts would result from the completion of the project. There seem to be no moratoriums for these locations.

Environmental Determination (this may change following the design group's formal application submittal to DSD with more detailed project description information):

Categorically Exempt pursuant section as follows: It would be best to use the prior CEQA document that may have been prepared for 1472 or related processes, if available. However, for this project, CEQA exemption may be sought pursuant sections 15301(b) 'Existing Facilities' where there is negligible expansion of the stormdrain conveyance system; 15303(d) 'New Construction' that would serve the existing area and treat stormwater run-off, and 15304 'Minor Alterations to Land' where there would be minor improvements and the grade would be returned back to normal.

Possible City/Coastal Commission Permits Needed

The project is not located within the City's Coastal Overlay Zone and a coastal permit would not be required. Because the project would be located completely within developed right-of-way, a Site Development Permit (SDP) would not be expected.

Possible Resource Agency Permits

All locations are located outside of the coastal areas and outside of areas where wetlands would be present. As such, none of the locations seem to be located within areas that require agency permits. Therefore no permits would be expected from the Army Corps of Engineers (404 permit), California Department of Fish and Game (Streambed Alteration Agreement), nor Regional Water Quality Control Board (401 Certification/Waiver).

Action Once Project Reaches PITS/Design Sections

A DSD Environmental and/or Permit Review would not be expected. Following 75% design, a CEQA exemption could be sought from Development Services Department (DSD)/Environmental Analysis Section (EAS) informally. As such, PITS-Environmental Permitting Support (EPS) can assist the project engineer prepare a CEQA exemption for the activity. CEQA clearance must be obtained prior to the project moving forward for funding and/or contract award approvals, whichever occurs first. Please provide additional project plans and/or details, if any, at the appropriate time and PITS-EPS can assist with the coordination of the anticipated CEQA Exemption.

Please remember to include in your project budget the costs for coordination with and assistance from PITS-EPS staff with approximate CEQA fees for Exemption-\$2.5K, ND \$10-\$15K, MND

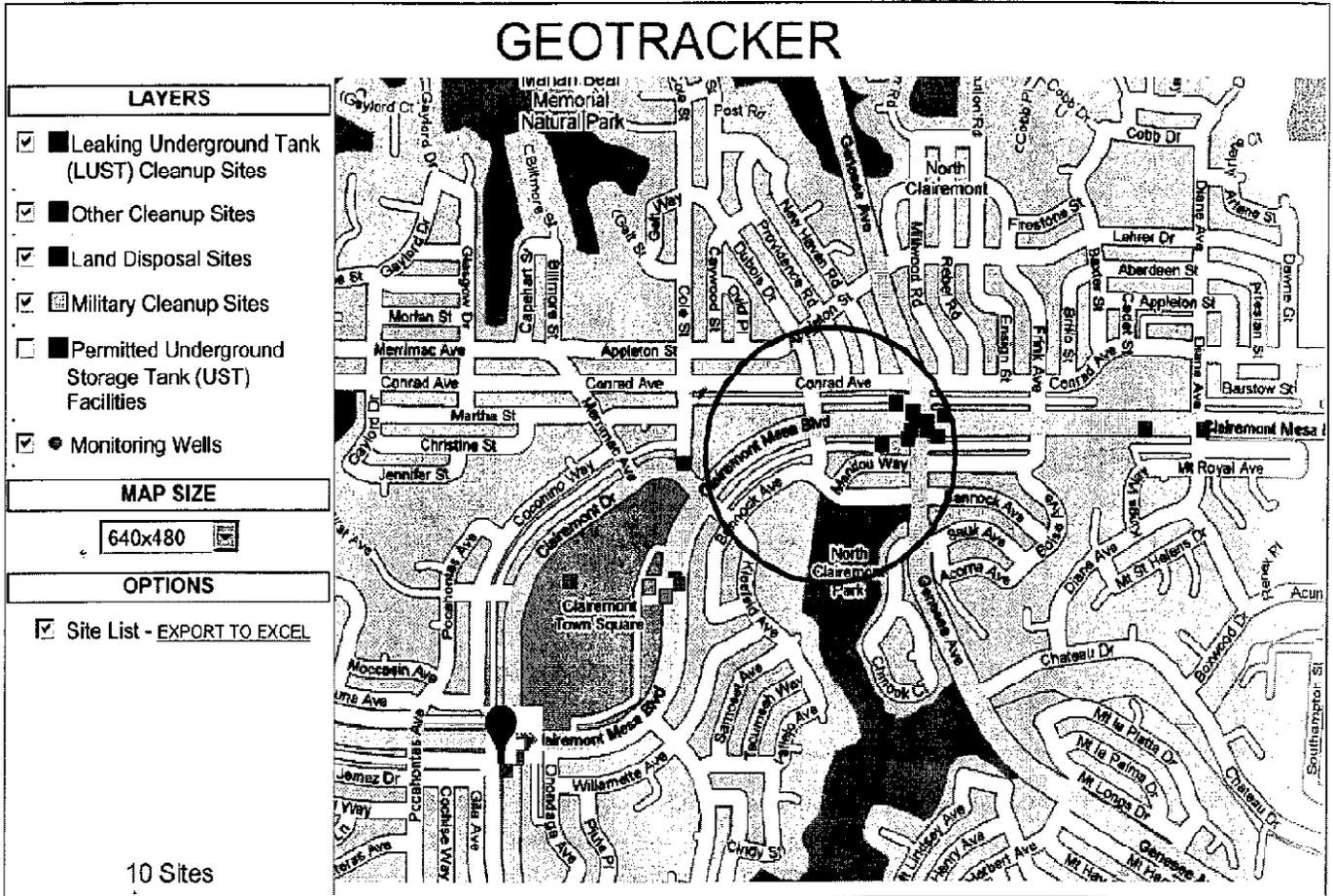
\$25-50K, and EIR \$100K+. Please contact Roman Anissi at (619) 533-4603 if you have any questions regarding the above information.

Carrie Purcell

Attachment: SAM Listing
SAM Geotracker Map

GEOTRACKER ID	SITE NAME	CLEANUP STATUS	ADDRESS	CITY	LATITUDE	LONGITUDE
T0608113583	DAISY DRY CLEANERS	COMPLETED - CASE CLOSED	4465 CLAIREMONT MESA BL	SAN DIEGO	32.834189	-117.196061
T0619730340	CLAIREMONT AUTO CARR	OPEN - SITE ASSESSMENT	4495 CLAIREMONT MESA BL	SAN DIEGO	32.834181	-117.195179
T0607399210	CLAIREMONT AUTO CARR	COMPLETED - CASE CLOSED	4495 CLAIREMONT MESA BL	SAN DIEGO	32.834362	-117.195066
T0608160343	ARCO #6128	COMPLETED - CASE CLOSED	4498 CLAIREMONT MESA BL	SAN DIEGO	32.8348	-117.195237
T0608189871	ARCO #6128	COMPLETED - CASE CLOSED	4498 CLAIREMONT MESA BL	SAN DIEGO	32.8348	-117.195237
T0607300693	ARCO #6128	COMPLETED - CASE CLOSED	4498 CLAIREMONT MESA BL	SAN DIEGO	32.8345671	-117.1949223
T0607302432	FAST FUEL	COMPLETED - CASE CLOSED	4505 CLAIREMONT MESA BL	SAN DIEGO	32.8343471	-117.1946363
T0607301510	CLAIREMONT TEXACO	COMPLETED - CASE CLOSED	4504 CLAIREMONT MESA BL	SAN DIEGO	32.8345671	-117.1946363
T0619719643	FAST FUEL	COMPLETED - CASE CLOSED	4505 CLAIREMONT MESA BL	SAN DIEGO	32.834189	-117.194357

LINK TO THIS MAP



10 Sites

SHOW SITES WITHIN 1000 FEET OF THE FOLLOWING ADDRESS: 4408 Bannock Avenue, San Diego, CA

SITE LIST

SITE NAME	GLOBAL ID	CLEANUP STATUS	ADDRESS	CITY
ARCO #6128	T0608189871	COMPLETED - CASE CLOSED	4498 CLAIREMONT MESA BL	SAN DIEGO
ARCO #6128	T0608160343	COMPLETED - CASE CLOSED	4498 CLAIREMONT MESA BL	SAN DIEGO
ARCO #6128	T0607300693	COMPLETED - CASE CLOSED	4498 CLAIREMONT MESA BL	SAN DIEGO
CLAIREMONT AUTO CARR	T0619730340	OPEN - SITE ASSESSMENT	4495 CLAIREMONT MESA BL	SAN DIEGO
CLAIREMONT AUTO CARR	T0607399210	COMPLETED - CASE CLOSED	4495 CLAIREMONT MESA BL	SAN DIEGO
CLAIREMONT TEXACO	T0607301510	COMPLETED - CASE CLOSED	4504 CLAIREMONT MESA BL	SAN DIEGO
DAISY DRY CLEANERS	T0608113583	COMPLETED - CASE CLOSED	4465 CLAIREMONT MESA BL	SAN DIEGO
FAST FUEL	T0607302432	COMPLETED - CASE CLOSED	4505 CLAIREMONT MESA BL	SAN DIEGO
FAST FUEL	T0619719643	COMPLETED - CASE CLOSED	4505 CLAIREMONT MESA BL	SAN DIEGO

APPENDIX - F

TRAFFIC COUNT REPORT

CITY OF SAN DIEGO - TRAFFIC ENGINEERING

Machine Count Traffic Volumes - City Street

All From Dates 1/1/2003 to 9/28/2008

10/6/2008

Page 36

STREET NAME	LIMITS	BLOCK NOS.	STATION NUMBER	DIRECTION	WK-DAY VOLUME	STARTING DATE	FILE NUMBER
ANTIGUA BL	[CARIOCA CT - MATADOR CT]	05550 - 05600	8042	SOUTH	1860	9/23/2004	0693-04
				*TOTAL	3900		
				NORTH	2020	10/5/2004	0799-04
				SOUTH	1880	10/5/2004	0799-04
				*TOTAL	3900		
				NORTH	1670	10/6/2007	0458-07
				SOUTH	1550	10/6/2007	0458-07
*TOTAL	3220						
ANTIGUA BL	[SANTO RD - CAL MARISELDA]	05900 - 06100	9059	EAST	3380	11/8/2005	0656-05
				WEST	3510	11/8/2005	0656-05
				*TOTAL	6890		
ANTIGUA BL	[VILLARRICA WY - CAM PLY ORO]	06370 - 06600	8043	EAST	3400	11/8/2005	0644-05
				WEST	3430	11/8/2005	0644-05
				*TOTAL	6830		
APPLETON ST	[DUBOIS DR - PROVIDENCE RD]	04400 - 04430	1207	EAST	3800	6/10/2004	0837-04
				WEST	3490	6/10/2004	0837-04
				*TOTAL	7290		
				EAST	3420	10/27/2004	0706-04
				WEST	3100	10/27/2004	0706-04
				*TOTAL	6520		
				EAST	3540	1/15/2008	0464-07
WEST	2960	1/15/2008	0464-07				
*TOTAL	6500						
ARAGON DR	[CELIA VIS DR - UNIVERSITY AV]	04000 - 04300	NONE	BOTH	1940	1/23/2003	0160-03
				NORTH	1090	5/4/2006	0224-06
				SOUTH	990	5/4/2006	0224-06
				*TOTAL	2080		
ARBOR DR	[FRONT ST - 01 AV]	00200W - 00100	2804	WEST 1-WY	5860	6/23/2004	0459-04
				WEST 1-WY	5720	6/26/2007	0350-07

CITY OF SAN DIEGO - TRAFFIC ENGINEERING
Machine Count Traffic Volumes - City Street

All From Dates 1/1/2003 to 9/28/2008

10/6/2008

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STREET NAME	LIMITS	BLOCK NOS.	STATION NUMBER	DIRECTION	WK-DAY VOLUME	STARTING DATE	FILE NUMBER
CLAIREMONT MS BL	[MORAGA AV - POCAHONTAS AV]	03500 - 03600	6450	WEST	10350	1/9/2008	0497-07
				*TOTAL	19250		
CLAIREMONT MS BL	[MERCHANTS WY - ROLFE RD]	03960 - 04000	6452	EAST	10670	10/20/2005	0613-05
				WEST	11270	10/20/2005	0613-05
				*TOTAL	21940		
CLAIREMONT MS BL	[LAKEHURST AV - KLEEFELD AV]	04200 - 04300	6453	EAST	10050	10/26/2004	0756-04
				WEST	11390	10/26/2004	0756-04
				*TOTAL	21440		
				EAST	11220	1/9/2008	0498-07
				WEST	12550	1/9/2008	0498-07
				*TOTAL	23770		
CLAIREMONT MS BL	[DUBOIS DR - GENESEE AV]	04400 - 04500	6394	EAST	18100	10/27/2005	0602-05
				WEST	17300	10/27/2005	0602-05
				*TOTAL	35400		
CLAIREMONT MS BL	[DIANE AV - LONGFORD ST]	04800 - 05000	6391	WEST	14640	1/9/2003	0071-03
				EAST	13870	1/10/2003	0070-03
				EAST	12720	10/7/2003	0917-03
				WEST	13890	10/7/2003	0918-03
				*TOTAL	26610		
				EAST	12570	11/28/2006	0518-06
				WEST	12870	11/28/2006	0518-06
				*TOTAL	25440		
CLAIREMONT MS BL	[DOLIVA DR - SD 805]	05400 - 06250	6388	WEST	20370	1/16/2003	0094-03
				EAST	20820	2/20/2003	0093-03
				EAST	20180	10/7/2003	0915-03
				WEST	20840	10/7/2003	0916-03
				*TOTAL	41020		
				EAST	19230	11/28/2006	0517-06
				WEST	19550	11/28/2006	0517-06
				*TOTAL	38780		

CITY OF SAN DIEGO - TRAFFIC ENGINEERING

Machine Count Traffic Volumes - City Street

All From Dates 1/1/2003 to 9/28/2008

10/6/2008

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STREET NAME	LIMITS	BLOCK NOS.	STATION NUMBER	DIRECTION	WK-DAY VOLUME	STARTING DATE	FILE NUMBER	
COMSTOCK ST	[MORLEY ST - GIFFORD WY]	02210 - 02250	6075	WEST	:	2750	6/3/2004	0838-05
				*TOTAL	:	5980		
				EAST	:	2860	11/14/2006	0498-06
				WEST	:	2160	11/14/2006	0498-06
				*TOTAL	:	5020		
CONFERENCE WY	[BEGIN - CARMEL MTN RD]	11800 - 11900	NONE	EAST	:	3690	5/3/2006	0097-06
				WEST	:	4770	5/3/2006	0097-06
				*TOTAL	:	8460		
CONFERENCE WY	[CARMEL MTN RD - WORLD TRADE DR]	11900 - 11999	NONE	EAST	:	3100	5/3/2006	0100-06
				WEST	:	2270	5/3/2006	0100-06
				*TOTAL	:	5370		
CONGRESS ST	[ARISTA ST - CONDE ST]	02400 - 02450	2466	BOTH	:	4640	6/5/2003	0681-03
				EAST	:	3010	6/15/2005	0313-05
				WEST	:	2230	6/15/2005	0313-05
				*TOTAL	:	5240		
CONRAD AV	[GENESEE AV - MILLWOOD RD]	04500 - 04520	NONE	EAST	:	1360	6/3/2004	0839-04
				WEST	:	1200	6/3/2004	0839-04
				*TOTAL	:	2560		
CONVOY CT	[HICKMAN FLD DR - SHAWLINE ST]	06460 - 07100	6771	EAST	:	4000	9/23/2003	0897-03
				WEST	:	2980	9/23/2003	0898-03
				*TOTAL	:	6980		
				EAST	:	4190	9/20/2006	0395-06
				WEST	:	4070	9/20/2006	0395-06
CONVOY CT	[SHAWLINE ST - RUFFNER ST]	07100 - 07400	6772	EAST	:	2510	11/1/2005	0637-05
				WEST	:	2740	11/1/2005	0637-05
				*TOTAL	:	5250		

CITY OF SAN DIEGO - TRAFFIC ENGINEERING

Machine Count Traffic Volumes - City Street

All From Dates 1/1/2003 to 9/28/2008

10/6/2008

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STREET NAME	LIMITS	BLOCK NOS.	STATION NUMBER	DIRECTION	WK-DAY VOLUME	STARTING DATE	FILE NUMBER
GENESEE AV	[BANNOCK AV - MANITOU WY]	04850 - 04870	6443	NORTH	13950	10/27/2005	0600-05
				SOUTH	16240	10/27/2005	0600-05
				*TOTAL	30190		
GENESEE AV	[CONRAD AV - LEHRER DR]	04920 - 05100	6444	NORTH	14290	10/26/2004	0754-04
				SOUTH	13640	10/26/2004	0754-04
				*TOTAL	27930		
				NORTH	14000	1/9/2008	0496-07
				SOUTH	14430	1/9/2008	0496-07
*TOTAL	28420						
GENESEE AV	[APPLETON ST - SD 052 R-A]	05100 - 05700	6136	NORTH	15820	10/26/2004	0726-04
				SOUTH	14840	10/26/2004	0726-04
				*TOTAL	30660		
				NORTH	15170	1/15/2008	0482-07
				SOUTH	13550	1/15/2008	0482-07
*TOTAL	28730						
GENESEE AV	[RADCLIFFE LN - GOVERNOR DR]	06300 - 06400	6442	NORTH	15910	1/15/2008	0495-07
				SOUTH	14870	1/15/2008	049507
				*TOTAL	30790		
GENESEE AV	[GOVERNOR DR - GENESEE CV]	06400 - 06550	6445	NORTH	16810	10/21/2003	0919-03
				SOUTH	17130	10/21/2003	0920-03
				*TOTAL	33940		
				NORTH	15890	11/28/2006	0526-06
				SOUTH	16730	11/28/2006	0526-06
*TOTAL	32620						
GENESEE AV	[DECORO ST - NOBEL DR]	08100 - 08400	6446	NORTH	14090	10/27/2005	0610-05
				SOUTH	14640	10/27/2005	0610-05
				*TOTAL	28720		
GENESEE AV	[ESPLANADE CT - L J VILGE DR]	08700 - 09000	6447	NORTH	16030	10/27/2005	0611-05
				SOUTH	16630	10/27/2005	0611-05
				*TOTAL	32630		

APPENDIX - G

SURVEY REQUEST

The survey files are located in ProjectWise under the following file path;

Documents\Surveys-Archive\STREETS\121598SET BANNOCK AVE NEIGHBORHOOD
STREETSCAPE TOPO\121598F\

APPENDIX - H

ACCESS LAW DESIGN COMPLIANCE REVIEW



ACCESS LAW DESIGN COMPLIANCE REVIEW RIGHT OF WAY PROJECTS CHECKLIST

Date: July 30, 2009

To: Gjaidan Stewart, Assistant Engineer - Civil, Preliminary Engineering Section, Project Implementation and Technical Services

Subject: Preliminary Evaluation Report for Bannock Avenue Neighborhood Streetscape and Bacteria Treatment for Tecolote Creek Watershed Protection

From: Fletcher Callanta, CIP Access Law Compliance Officer, CIP Access Law Design Compliance Section, Project Implementation and Technical Services Division

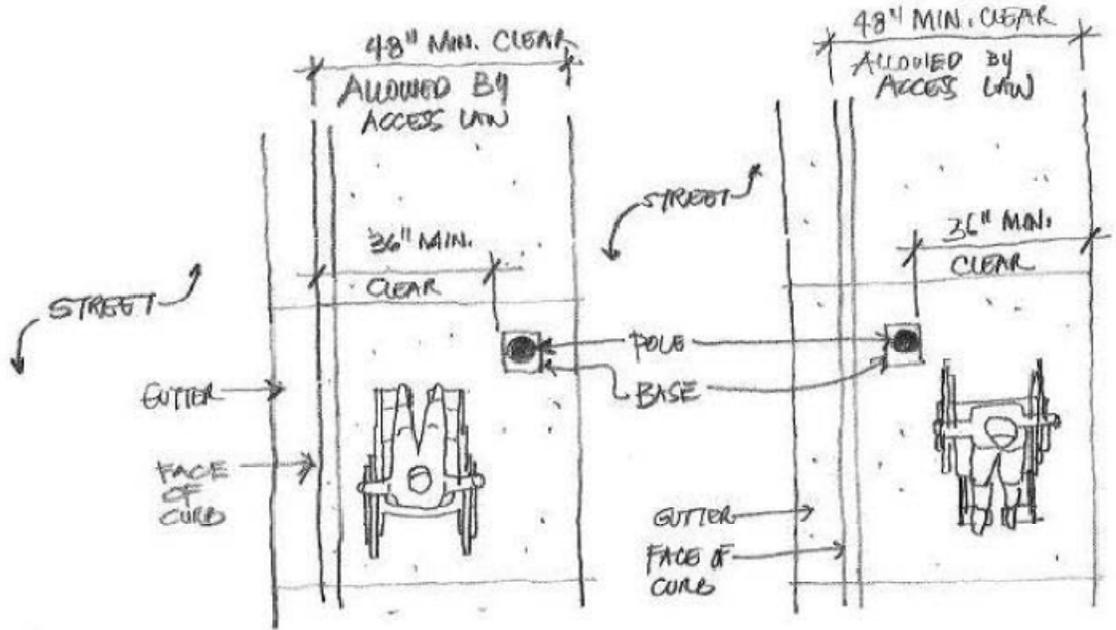
The office has completed the review of your project as referenced above for compliance with the access laws: Americans with Disabilities Act/Americans with Disabilities Act Accessibility Guidelines [ADA/ADAAG], California's Title 24 Disabled Access Regulations, and local standards and policies on accessibility. The project proposes to install a filtration system in the vicinity of Bannock Avenue and the surrounding streets to collect and treat storm water that feeds into the Tecolote Creek. The construction includes sidewalks, curb ramps, parkways, curbs and gutters.

Please note that this is a preliminary evaluation for access compliance only and was made on the scope of work as noted above. There were no site assessments made by this office. The project must be resubmitted if the scope or design changes. Additional items and requirements may be identified during the design phase at the Project Management level. **The plans are missing a lot of information required to satisfy the access requirements. Either resubmit a revised set at preliminary engineering stage or the Right-Of-Way project manager submits the final design package to this office for review and approval prior to bid and construction.**

Preliminary Evaluation:

1. The conceptual plans submitted are incomplete therefore, the consultant must resubmit a revised set of plans that would address all outstanding items below. The office will not approve the project for bid and construction unless all items have been successfully resolved.
2. Plans indicate new pervious sidewalks start /end at the point of curb returns (PCR). Please note that if portions of the corner sidewalk (point of curb return or PCR) are impacted then the project must install new curb ramps and/or replace existing non-conforming curb ramps.
3. The new sidewalks must conform with Regional Standard G-7. Additionally, the cross slope must conform with SDG-100: "Cross slope shall be 1.5%." Note this on the plans.
4. The project proposes to install new pervious concrete sidewalks. The new sidewalks must have a continuous common surface that is **not interrupted by steps or abrupt changes in level** (See CBC Section 1133B.7.1 and ADAAG 4.3.8). Note that any adjacent lifted sidewalk panels must be repaired by this project.

5. "Work To Be Done", note #6, sheet 2 of 6 (see copy below) and any other sheets that have call-outs for curb ramps - do not reference any new curb ramps to the G-series. The G-series are for curb ramps outside the City of San Diego jurisdiction. Replace "disabled access ramps" to "curb ramps" and refer to SDG-130 and 132 (Type A). Add a note: "The detectable warning shall be 36" deep x full opening width of the curb ramp (minus flares). The detectable warning shall be cast-in-place composite per the City's approved materials list (AML)."
6. Indicate on plans any existing curb ramps and indicate a note "existing curb ramps to remain". Indicate on plans which sidewalks are existing and new.
7. Plans indicate a new curb ramp on the southeast corner of Bannock and Manitou. Note that a Type A curb ramp requires at least 10'-0" wide sidewalk. The sidewalk appears to be less than 10'-0". Ensure the project specifies the correct type that would fit on the sidewalk. If a Type A does not fit, use either Type C1 or Type C2. Refer to the latest City of San Diego standard drawings manual or go to: <http://www.sandiego.gov/engineering-cip/pdf/stdDraw06/StdDraw06.pdf>
8. The project is proposing to install new pervious concrete sidewalks. Note that the new sidewalks cannot be less than 4'-0". "Sidewalks and walkways must maintain a **minimum width of 48"** – CBC 1133B.7.1". Indicate width dimension at all proposed sidewalks. Ensure sidewalks comply with the additional regulations below:
 - CBC Section 1133B.7.1 and ADAAG 4.3.8 - Continuous common surface is not interrupted by steps or abrupt changes in level. The project must remove and fix any raised and cracked sidewalk panels immediately adjacent to the project's sidewalk.
 - Sidewalk Obstructions – Sidewalks must be kept free of obstructions and maintain a clear passage width of 48". If for any reasons, it is technically infeasible to relocate the obstructions (light poles, fire hydrants and utility vaults/cabinets) then, the project may comply with the diagram below):



SIDEWALK OBSTRUCTIONS

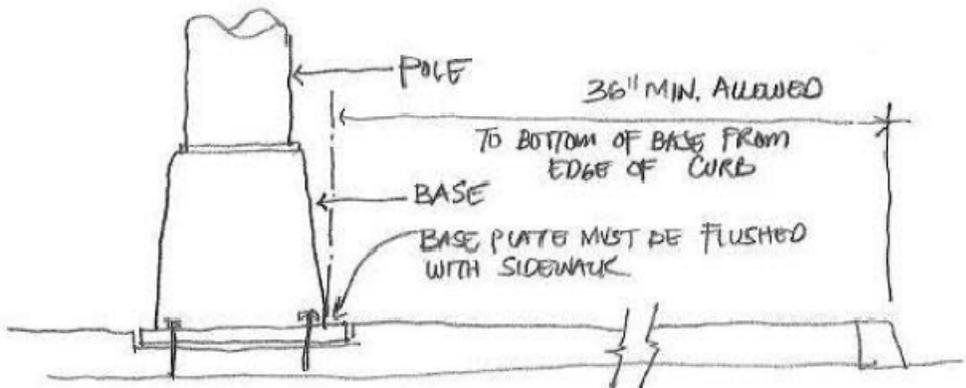
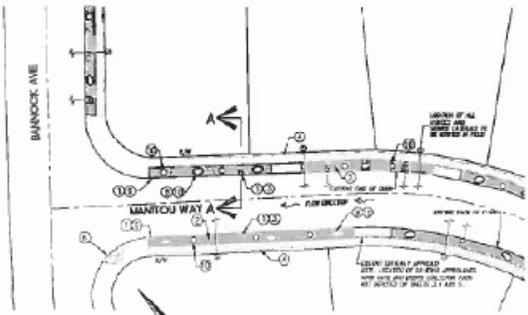


Figure 4-9 -Location of light poles on the sidewalk

Copy of one of the conceptual design sheets submitted to the office.

Stormwater BMP - Conceptual Designs

BANNOCK AVENUE NEIGHBORHOOD STREETScape ENHANCEMENTS AND BACTERIA TREATMENT FOR TECOLOTE CREEK WATERSHED PROTECTION - CONCEPT PLAN

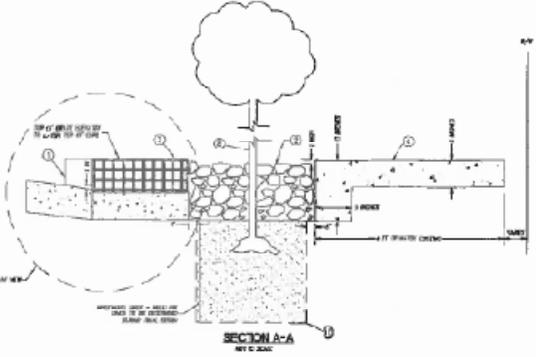


TYPICAL PLAN VIEW

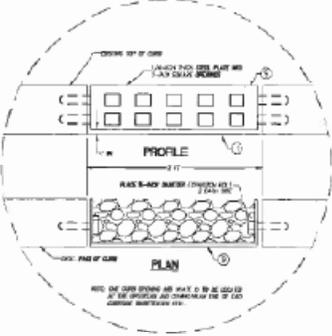


WORK TO BE DONE:

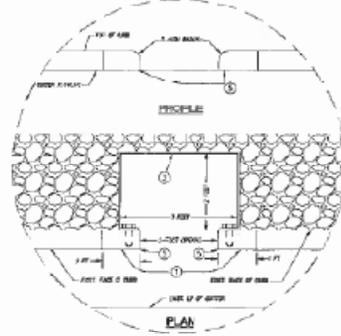
1. SET AND BRUSH OFF TOP OF CURB TO BE 1/2" HIGH. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH.
2. PLACE 2" x 4" x 8" CURB IN PLACE TO BE 1/2" HIGH.
3. PLACE 4" x 8" x 16" CURB IN PLACE TO BE 1/2" HIGH. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH.
4. PLACE 4" x 8" x 16" CURB IN PLACE TO BE 1/2" HIGH. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH.
5. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH.
6. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH.
7. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH.
8. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH.
9. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH.
10. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH. BRUSH OFF TOP OF CURB TO BE 1/2" HIGH.



SECTION A-A



DETAIL B - PLANTER INFLOW/OUTFLOW



DETAIL A - PLANTER INFLOW WITH DEBRIS COLLECTION PAD



APPENDIX - I

PHOTOGRAPHS



Existing parkway and sidewalk facing west on Conrad Avenue



Existing parkway with decorative trees on Millwood Road



Existing parkway facing north on Providence Road



Existing streetscape facing south on Rebel Road

APPENDIX - J

PROJECT PRIORITIZATION CALCULATIONS

Project Title: Bannock Avenue Neighborhood Streetscape Enhancements for Tecolote Creek Watershed Protection (CIP# 12-159.0)

Prioritization Questions –Non Transportation Projects 6/3/2009

Score 63

Health & Safety (25)					
ID	Question Category				Total Points
A	Health & Safety				25
Question #	ID	Question	Response	Justification	Total Points
1	A	This criterion will include an assessment of the degree to which the project improves health and safety factors associated with the infrastructure asset. For example, projects that result in the reduction in accidents, improved structural integrity, and mitigation of health hazards would score higher. The evaluation of this criterion will constitute twenty-five percent (25%) of the project's total score.	A. High degree of improvements to Public's Health and Safety (25) B. Above average degree of improvements to Public's Health Safety (20) C. Average degree of improvements to Public's Health Safety (15) D. Below average degree of improvements to Public's Health Safety (10) E. Not Applicable or No Improvements (0)	The storm water runoff will be treated before it reaches Tecolote Creek	15

Regulatory or mandated requirements (25)

ID	Question Category	Total Points
B	Regulatory or mandated requirements	25

Question #	ID	Question	Response	Justification	Total Points
2	B	This criterion will include an assessment of the degree to which the project is under a regulatory order or other legal mandates. For example, projects that are required by consent decrees, court orders, and other legal mandates would score higher. The evaluation of this criterion will constitute twenty-five percent (25%) of the project's total score.	<p>A. 100% of the project scope are required by regulatory order or other legal mandates (25)</p> <p>B. More than 50% of the project scope are required by regulatory order or other legal mandates (20)</p> <p>C. 50% of the project scope are required by regulatory order or other legal mandates (15)</p> <p>D. Less than 50% scope of the project are required by regulatory order or other legal mandates (10)</p> <p>E. Not Applicable or No Improvements (0)</p>	Mandated by the Regional Water Control Board	15

Implication of Deferring the Project (15)

ID	Question Category	Total Points
A	Implication of Deferring the Project	15

Question #	ID	Question	Response	Justification	Total Points
3	A	This criterion will include an assessment of the consequences of delaying a project. For example, projects that would have significantly higher future costs, negative community impacts, or negative public perception, should they be deferred, would score higher. The evaluation of this criterion will constitute fifteen percent (15%) of the project's total score.	<p>A. Significant negative impact if the project were delayed (15)</p> <p>B. Above average negative impact if the project were delayed (12)</p> <p>C. Average negative impact if the project were delayed (9)</p> <p>D. Below average negative impact if the project were delayed (6)</p> <p>E. Not Applicable or No negative impact if the project were delayed Improvements (0)</p>	The Regional Water Control Board may fine the City	9

Annual recurring cost or increased longevity of the capital asset (10)

ID	Question Category	Total Points
A	Annual recurring cost or increased longevity of the capital asset	10

Question #	ID	Question	Response	Justification	Total Points
4	A	This criterion will include an assessment of the degree to which the project reduces operations and maintenance expenditures by the City. For example, a roof replacement project that reduces both maintenance requirements and energy consumption or a storm drain replacement project that reduces the need for periodic cleaning would score higher. On the other hand, a new library that increases maintenance, energy and staffing costs would score lower. The evaluation of this criterion will constitute ten percent (10%) of the project's total score.	<p>A. High degree of reduction in maintenance expenditures by the City (10)</p> <p>B. Above average degree of reduction in maintenance expenditures by the City (8)</p> <p>C. Average degree of reduction in maintenance expenditures by the City (6)</p> <p>D. Below average degree of reduction in maintenance expenditures by the City (4)</p> <p>E. Not Applicable or No reduction in maintenance expenditures by the City (0)</p>	A standard increase in maintenance of the Ab0Tech Unit & Hydrodynamic separator.	4

Community Investment (10)					
ID	Question Category			Total Points	
A	Community Investment			10	
Question #	ID	Question	Response	Justification	Total Points
1	A	This criterion will include an assessment of the degree to which the project contributes toward economic development and revitalization efforts. For example, a project within an approved Redevelopment Area or Community Development Block Grant eligible area would score higher. The evaluation of this criterion will constitute ten percent (10%) of the project's total score.	<p>A. The project has high degree of contribution toward economic development and revitalization efforts (10)</p> <p>B. The project has above average degree of contribution toward economic development and revitalization efforts (8)</p> <p>C. The project has average degree of contribution toward economic development and revitalization efforts (6)</p> <p>D. The project has below average degree of contribution toward economic development and revitalization efforts (4)</p> <p>E. Not Applicable or the project has no contribution toward economic development and revitalization efforts (0)</p>	This project improves the curb appeal of the parkways in the Clairemont area.	10

Implementation (5)					
ID	Question Category				Total Points
A	Implementation				5
Question #	ID	Question	Response	Justification	Total Points
1	A	This criterion will include an assessment of the degree to which the project is in compliance with the General Plan, Community Plan, or approved City-wide master plan. An assessment of other issues involved in completing the project (e.g., significant environmental issues, project complexity, and level of public support) will also be included in this criterion. For example, projects that would benefit the City of Villages Strategy, further smart growth, or receive overwhelming support from the community would score higher, while projects that would significantly impact the environment and trigger high mitigation requirements would score lower. The evaluation of this criterion will constitute five percent (5%) of the project's total score.	<p>A. High degree of the project scope is in compliance with the General Plan, Community Plan, or approved City-wide master plan (5)</p> <p>B. Above average degree of the project scope is in compliance with the General Plan, Community Plan, or approved City-wide master plan (4)</p> <p>C. Average degree of the project scope is in compliance with the General Plan, Community Plan, or approved City-wide master plan (3)</p> <p>D. Below average degree of the project scope is in compliance with the General Plan, Community Plan, or approved City-wide master plan (2)</p> <p>E. Not Applicable or project scope is NOT in compliance with the General Plan, Community Plan, or approved City-wide master plan (0)</p>	Mandated by Regional Water Quality Board	5

Project Cost and Grant Funding Opportunity (5)

ID	Question Category	Total Points
A	Project Cost and Grant Funding Opportunity	5

Question #	ID	Question	Response	Justification	Total Points
1	A	This criterion will include an assessment of the amount of funding needed to complete the current project phase and the entire project, and shall also include assessment of the amount of City funding in the project compared to the amount of funding provided by grant funds from outside agencies. For example, a project that would bring grant funds from an outside agency into the City would score higher, while a project that relies only on City funds would score lower. The evaluation of this criterion will constitute five percent (5%) of the project's total score.	<p>A. The project has no need for additional fund and is qualified for Grant fund opportunity (5)</p> <p>B. The project needs additional fund to complete its current phase, and is qualified for Grant fund opportunity (3)</p> <p>C. The project has no need for additional fund and is NOT qualified for Grant fund opportunity (2)</p> <p>D. The project needs additional fund to complete its current phase, and is NOT qualified for any Grant fund opportunity (0)</p>	Project needs an additional \$3,595,745 funding	0

Project Readiness (5)

ID	Question Category	Total Points
A	Project Readiness	5

Question #	ID	Question	Response	Justification	Total Points
1	A	This criterion will include an assessment of the time required for a project to complete its current project phase (i.e., planning, design or construction). For example, a project with a completed environmental document or community outreach would score higher, while a highly complex project requiring longer design time would score lower. The evaluation of this criterion will constitute five percent (5%) of the project's total score.	<p>A. The current phase will be completed within 3 months or less (5)</p> <p>B. The current phase will be completed within 6 months or less (3)</p> <p>C. The current phase will be completed within 9 months or less (2)</p> <p>D. The current phase will be completed within 1 year or more (0)</p>	Project design start; 10- 28-2009	5

APPENDIX - K

UTILITY AS-BUILTS

APPENDIX - L

PROJECT INTAKE FORM

Deputy Director Signature/Date: _____

Engineering & Capital Projects Department
CIP Preliminary Engineering & Program Coordination Section
Project Intake Questionnaire

Instructions: After entering the required information electronically, please select File, Save As, enter a new file name, and print the form. Please submit a hard copy of this form signed by the Deputy Director, along with any supporting documents (e.g., cost estimates, alignment maps, studies, etc) to Lori Takafuji, MS 611.

PROJECT

1. CIP Number: 12-159.0
2. Project Title: BANNOCK AVE NEIGHBORHOOD
3. Asset Owner/Type:

Airport	Pulldown to select asset type:
Buildings	Pulldown to select asset type:
Drainage	Best Mgmt Practices (BMPs)
Flood Control Systems	Pulldown to select asset type:
Golf Courses	Pulldown to select asset type:
Landfills	Pulldown to select asset type:
Parks	Pulldown to select asset type:
Reclaimed Water System	Pulldown to select asset type:
Transportation	Pulldown to select asset type:
Wastewater	Pulldown to select asset type:
Water	Pulldown to select asset type:
4. Project Location or Alignment (i.e., address, intersection, street limits, Thomas Guide page, etc):

BANNOCK AVE NEIGHBORHOOD NEAR CLAIRMONT PARK, SAN DIEGO, CA 92117 (BANNOCK AVE & GENESSEE AVE) THOMAS GUIDE 1249-E6
5. Project Scope (describe what is being built):

REPLACE EXISTING SIDEWALK WITH 6" THICK PERVIOUS CONCRETE SIDEWALK. INSTALLATION OF ONE HYDRODYNAMIC SEPARATOR, ONE AbTech UNIT, 550 BIO-RETENTION CELLS (2 PER

HOUSEHOLD), AND PERFORATED STORM DRAIN PIPE CONNECTING BMP'S.

6. Does this project require property or easement acquisition?
Easement Property Neither
7. Reason For Project (what problem or need is being addressed., i.e., Council request, legal commitment, etc):
MUNICIPAL STORMWATER PERMIT ORDER NO. R9-2007-0001

COMPLIANCE

FINANCIAL

8. Is this Annual Allocation (AA)? Yes No
9. If yes, Annual Allocation No: 12-159.0
10. Work Order/Job Order No: TBD
11. Budget Fiscal Yr: 2008
12. Project Cost Estimate: \$4,733,926
13. Available Funds: \$1,138,181
14. Fund Number(s): 533
15. Unfunded Amount: \$3,595,745
16. Funding Source (enter \$ amount where associated):
- | | | | | | |
|-------------------------|----|----------------------|----|-----|-------------|
| Grant | \$ | DIF | \$ | CIP | \$4,775,446 |
| CDBG | \$ | FAU | \$ | FAA | \$ |
| Gas Tax/Transnet/State | \$ | Redevelopment | \$ | | |
| CMAQ/STP/ISTEA/Fed, etc | \$ | Private Contribution | \$ | | |
- Other funding source(s) and amount(s):

SCHEDULE

17. Schedule Constraints? If yes, identify milestone & rough date:
18. Explain Schedule Constraints, if any:

STAKEHOLDERS

19. Council District (check all that apply):
- | | | | | | | | |
|------|--------------------------|------|-------------------------------------|------|--------------------------|------|--------------------------|
| CD 1 | <input type="checkbox"/> | CD 2 | <input type="checkbox"/> | CD 3 | <input type="checkbox"/> | CD 4 | <input type="checkbox"/> |
| CD 5 | <input type="checkbox"/> | CD 6 | <input checked="" type="checkbox"/> | CD 7 | <input type="checkbox"/> | CD 8 | <input type="checkbox"/> |
20. Community Plan (check all that apply):
- | | | | |
|----------------------|--------------------------|-----------------------|--------------------------|
| Balboa Park | <input type="checkbox"/> | Barrio Logan | <input type="checkbox"/> |
| Black Mountain Ranch | <input type="checkbox"/> | Carmel Mountain Ranch | <input type="checkbox"/> |
| Carmel Valley | <input type="checkbox"/> | Centre City | <input type="checkbox"/> |

- | | | | |
|---|--------------------------|------------------------------|--------------------------|
| City Heights | <input type="checkbox"/> | Clairemont Mesa | <input type="checkbox"/> |
| College Area | <input type="checkbox"/> | Del Mar Mesa | <input type="checkbox"/> |
| East Elliott | <input type="checkbox"/> | Eastern Areas | <input type="checkbox"/> |
| Encanto | <input type="checkbox"/> | Fairbanks Ranch Country Club | <input type="checkbox"/> |
| Greater Golden Hill | <input type="checkbox"/> | Greater North Park | <input type="checkbox"/> |
| Kearny Mesa | <input type="checkbox"/> | Kensington-Talmadge | <input type="checkbox"/> |
| La Jolla | <input type="checkbox"/> | Linda Vista | <input type="checkbox"/> |
| Midway Pacific Highway Corridor | <input type="checkbox"/> | Miramar Ranch North | <input type="checkbox"/> |
| Mira Mesa | <input type="checkbox"/> | Mission Bay Park | <input type="checkbox"/> |
| Mission Beach | <input type="checkbox"/> | Mission Valley | <input type="checkbox"/> |
| Navajo | <input type="checkbox"/> | Normal Heights | <input type="checkbox"/> |
| North City Future Urbanizing Area (NCFUA) | <input type="checkbox"/> | Old Town San Diego | <input type="checkbox"/> |
| Ocean Beach | <input type="checkbox"/> | Otay Mesa-Nestor | <input type="checkbox"/> |
| Otay Mesa | <input type="checkbox"/> | Pacific Highlands Ranch | <input type="checkbox"/> |
| Pacific Beach | <input type="checkbox"/> | Rancho Bernardo | <input type="checkbox"/> |
| Peninsula | <input type="checkbox"/> | Rancho Penasquitos | <input type="checkbox"/> |
| Rancho Encantada | <input type="checkbox"/> | San Pasqual Valley | <input type="checkbox"/> |
| Sabre Springs | <input type="checkbox"/> | Scripps Miramar Ranch | <input type="checkbox"/> |
| San Ysidro | <input type="checkbox"/> | Skyline Paradise Hills | <input type="checkbox"/> |
| Serra Mesa | <input type="checkbox"/> | Tierrasanta | <input type="checkbox"/> |
| Southeastern San Diego | <input type="checkbox"/> | Torrey Highlands | <input type="checkbox"/> |
| Tijuana River Valley | <input type="checkbox"/> | Torrey Pines | <input type="checkbox"/> |
| Torrey Hills | <input type="checkbox"/> | Uptown | <input type="checkbox"/> |
| University | <input type="checkbox"/> | | |
| Via de la Valle | <input type="checkbox"/> | | |

21. Community Group(s) met with (list all that apply):

PRIORITIZATION

22. E-Project ID # (for Transportation projects only):

23. Priority Scoring:

24. Prioritization results are: in E-Projects or attached to this intake form

CONTACT INFORMATION

25. Department/Division/Section: STORMWATER/STORMWATER
POLLUTION PREVENTION/BMP DEVELOPMENT

26. Client Contact Name: JAMES NABONG

27. Phone No: (858) 541-4327

28. Alternate Client Contact: SUMER HASENIN

29. Phone No: (858) 541-4330

ADDITIONAL INFORMATION

30. Please use this space to add any additional information:

APPENDIX - M

PROJECT CONTACTS

PROJECT NAME: Bannock Avenue Neighborhood Streetscape Enhancements and the Bannock Avenue Bacteria Treatment for Tecolote Creek Watershed Protection

CIP NUMBER: 12-159.0

WO NUMBER: 121598

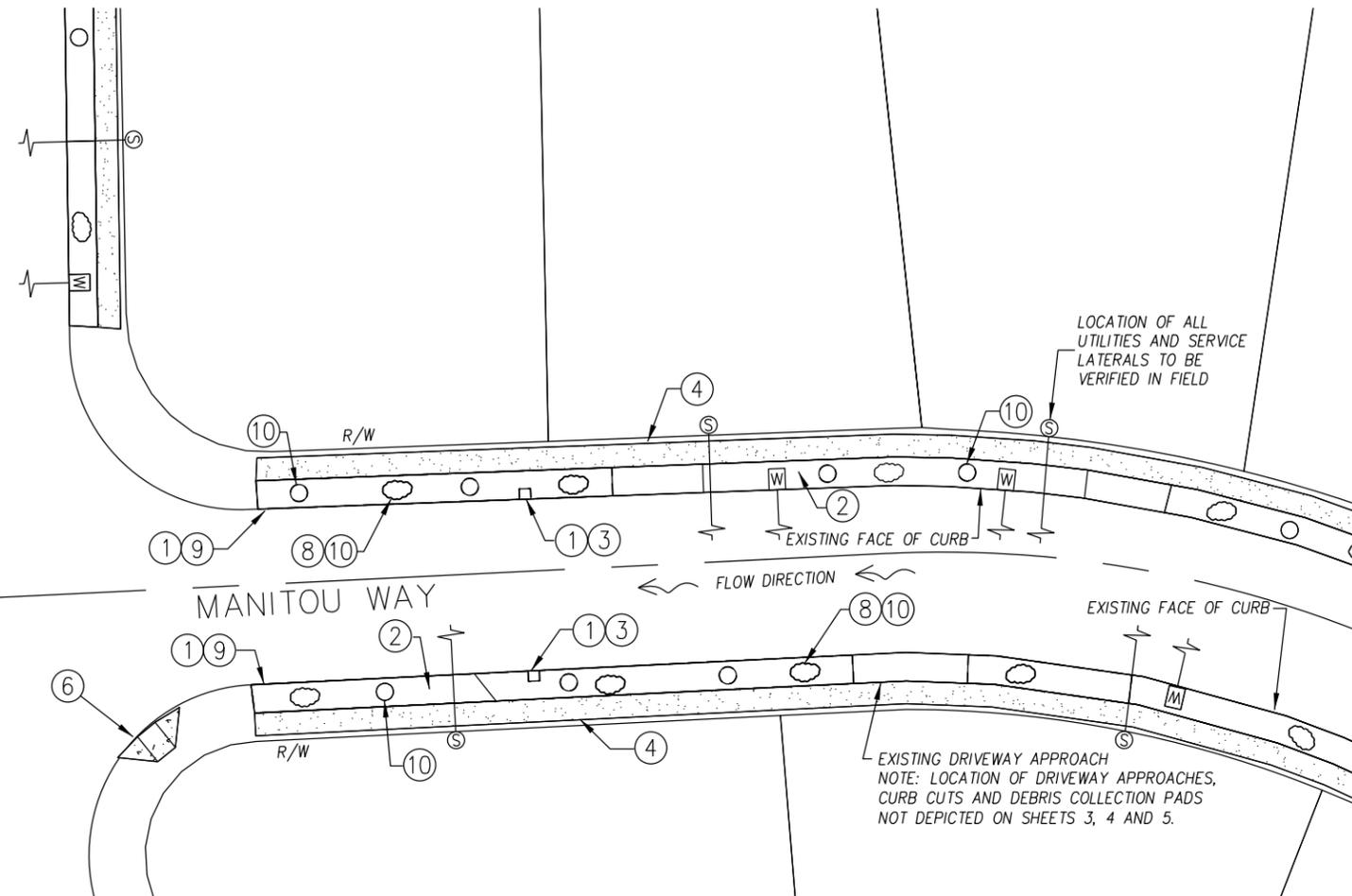
SAP NUMBER: B-10027

NAME	ORGANIZATION	RESPONSIBILITY	PHONE NUMBER
Mark Nassar	City of SD, PITS	Prelim Engineering	619-533-3172
Larry Kuzminsky	City of SD, PITS	Prelim Engineering	619-533-3065
Gjaidan Stewart	City of SD, PITS	Prelim Engineering	619-533-3783
Gene Matter	City of SD, S/W	Planning	858- 541-4346
Andrea Demich	City of SD, S/W	Design	858- 541-4348
Jamal Batta	City of SD, ROW	Design	619-533-7482

APPENDIX - N

10%DESIGN DRAWING

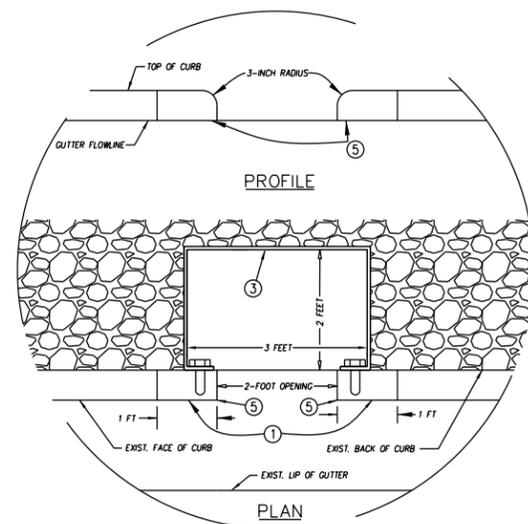
BANNOCK AVE.



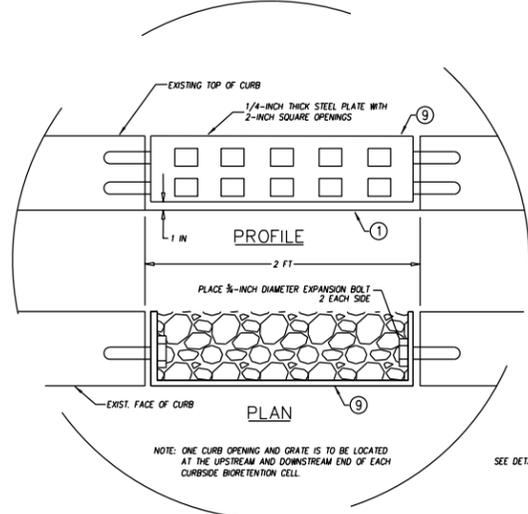
TYPICAL PLAN VIEW

WORK TO BE DONE

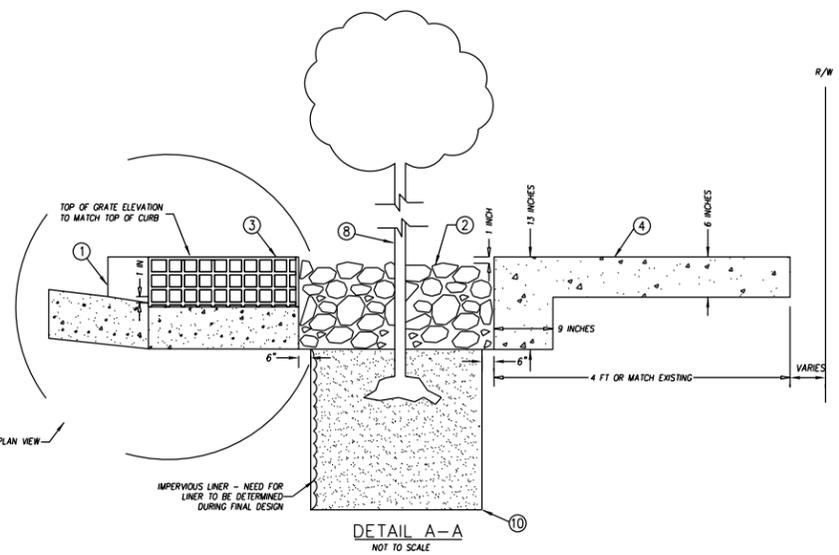
- ① CUT AND GRIND 4-FOOT SECTION OF PCC CURB TO GUTTER FLOWLINE. GRIND ADDITIONAL 1 INCH TO DRAIN TOWARD PLANTER AT INFLOW OPENINGS ONLY.
- ② PLACE 3-INCH TO 6-INCH CRUSHED ROCK 1 FOOT THICK. PLACE 2' X 3' RECTANGLE 4-INCH THICK CONCRETE DEBRIS COLLECTION PAD WITH 1/4-INCH THICK CORROSION RESISTANT STEEL GRATE - NO GALVANIZING PERMITTED. TOP OF PAD TO BE
- ③ 0.2 FEET BELOW GUTTER FLOWLINE. REINFORCE CONCRETE WITH 10-GUAGE WWM. GRATE OPENINGS TO BE 2-INCH SQUARE. ATTACH GRATE TO CURB WITH 3/4-INCH EXPANSION BOLTS - 2 EACH SIDE. SEE DETAIL A. DEBRIS COLLECTION PAD TO OCCUR AT APPROXIMATELY EVERY FIFTH HOUSE. PRECISE LOCATIONS TO BE DETERMINED DURING FINAL ENGINEERING.
- ④ PLACE 6 INCH THICK PERVIOUS CONCRETE SIDEWALK - 4 FEET WIDE OR MATCH EXISTING. THICKER SECTION MAY BE REQUIRED AT CERTAIN DRIVEWAYS TO ACCOMODATE COMMERCIAL LOADING. REPLACE EXISTING PCC DRIVEWAY APPROACHES WITH PERVIOUS CONCRETE DRIVEWAY APPROACH WHERE EXISTING APPROACH IS DAMAGED. COST ESTIMATE ASSUMES 10% OF DRIVEWAYS WILL REQUIRE REPLACEMENT.
- ⑤ RECONSTRUCT 1-FOOT OF 6-INCH CONCRETE CURB WITH CORNERS ADJACENT TO OPENING ROUNDED TO 3-INCH RADIUS PER DETAIL A.
- ⑥ CONSTRUCT NEW DISABLED ACCESS RAMP AND SIDEWALK PER SDRSD G-28 TYPE A-1 AND G-7.
- ⑧ PLACE 15-GALLON TREE OR SHRUB PER SECTION A-A. SPECIES, SPACING AND WATERING TO BE DETERMINE DURING FINAL ENGINEERING. PLANTING TO BE PLACED NO CLOSER THAN TEN FEET FROM SEWER MAINS OR LATERALS.
- ⑨ PLACE 1/4-INCH THICK CORROSION RESISTANT STEEL GRATE - NO GALVANIZING PERMITTED. GRATE OPENINGS TO BE 2-INCH SQUARE. ATTACH GRATE TO CURB WITH 3/4-INCH DIAMETER EXPANSION BOLTS - 2 EACH SIDE. SEE DETAIL B.
- ⑩ 3-FOOT DIAMETER BY 4-FOOT DEEP BIORETENTION CELL FILLED WITH AMENDED SOIL. NUMBER AND LOCATION TO BE DETERMINED DURING FINAL ENGINEERING. BIORETENTION CELLS MAY BE PLACED NO CLOSER THAN TEN FEET FROM SEWER MAINS OR LATERALS THAT HAVE NO PROTECTION FROM INFLOW OR INFILTRATION.



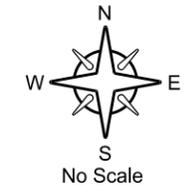
DETAIL A - PLANTER INFLOW WITH DEBRIS COLLECTION PAD
NOT TO SCALE



DETAIL B - PLANTER INFLOW/OUTFLOW
NOT TO SCALE



DETAIL A-A
NOT TO SCALE



10 PERCENT DESIGN PLANS

**BANNOCK AVENUE NEIGHBORHOOD
STREETScape ENHANCEMENTS AND
BACTERIA TREATMENT FOR TECOLOTE
CREEK WATERSHED PROTECTION**

Project Implementation & Technical Services (PITS)
Preliminary Engineering & Program Coordination (PEPC)

Senior Engineer - M. Nassar	Project Manager - L. Kuzminsky
Project Engineer - G. Stewart	Project Drafter - H. Castillo
Work Order #121598	CIP #12-159.0
Date: 10-06-09	
File Name: Microstation Bannock Ave Neighborhood.dgn	