



COUNTY OF SAN LUIS OBISPO
 DEPARTMENT OF PUBLIC WORKS
 STORMWATER CONTROL PLAN APPLICATION

Departmental
Use Only

Do Not Mark

Applicant and Designer Information

Applicant Name: Jane Doe	Daytime Phone: 555-123-4567
Mailing Address: 111 Main Street	Zip Code: 55555
Email Address: jane@email.com	

Designer Name: John Doe	Daytime Phone: 555-123-4567
Mailing Address: 222 Main Street	Zip Code: 55555
Email Address: john@email.com	

Project Information

<input type="checkbox"/> Preliminary entitlements- Subdivision or Land Use Permit approval	<input checked="" type="checkbox"/> Final- Building and/or Grading Permit for construction
Land Use Permit Number(s):	Building Permit Number(s): CBLD2023-12345
Project Address: 123 Main St. Anytown, CA	Assessor's Parcel Number (APN): 123-45-678
Brief narrative description of project: Construct new parking lot with 116 vehicle spaces for County Transit Park-and-Ride program on southern portion of currently undeveloped lot. Remainder of lot to remain undisturbed.	

Impervious Surface Areas

Calculate and identify all items listed in the table below.

Total Existing Impervious Area (square feet): Existing buildings, pavement, etc. within project area	5,000
New Impervious Area (square feet): Example: New buildings, new pavement, etc.	22,500
Replaced Impervious Area (square feet): Example: Buildings demolished to build a new parking lot or vice versa	4,000
Reduced Impervious Area (square feet): Example: Pavement/buildings demolished with area scarified, re-vegetated, replaced with pervious pavers, etc.	0
Credit for Reduced Impervious Area (square feet): If (New + Replaced) > Total Existing, use Credit = 0 If (New + Replaced) < Total Existing, use Credit = Reduced	0
Net Impervious Area (square feet) = (New + Replaced) - Credit	26,500

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Stormwater Performance Requirements

The following table summarizes the mandatory Performance Requirements based on the amount of impervious surface area that is created or replaced. Please review this table to determine which requirements apply to the project.

Net Impervious Surface square feet	Performance Requirements			
	Performance Requirement #1	Performance Requirement #2	Performance Requirement #3	Performance Requirement #4
0 - 2,499	<i>Complete Stormwater PCR Waiver Request Form</i>			
2,500 - 4,999	✓			
5,000 - 14,999	✓	✓ *		
15,000 - 22,499	✓	✓	✓	
≥ 22,500	✓	✓	✓	✓

* Not applicable for a single-family residence

Check the applicable performance requirements and indicate whether the project meets the requirement:

Performance Requirement #1- Site Design	Requirement met? <input type="checkbox"/> Yes <input type="checkbox"/> No
<i>(Projects that meet Performance Requirement 1 only, complete this SWCP application and attach any applicable exhibits)</i>	
Performance Requirement #2- Water Quality Treatment	Requirement met? <input type="checkbox"/> Yes <input type="checkbox"/> No
Performance Requirement #3- Runoff Retention	Requirement met? <input type="checkbox"/> Yes <input type="checkbox"/> No
Performance Requirement #4- Peak Management	Requirement met? <input type="checkbox"/> Yes <input type="checkbox"/> No

- Projects that create or replace less than 2,500 square feet of impervious surface area must complete and submit the Stormwater PCR Waiver Request Form.
- Projects required to meet Performance Requirement 1 only, must complete this SWCP application and attach any applicable exhibits.
- Projects required to meet Performance Requirement 2, 3, or 4, must submit this SWCP application in addition to a complete Stormwater Control Plan using the County provided template.

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Performance Requirement #1: Site Design Measures Applicants Can Incorporate to Reduce Stormwater Impacts

Applicants are encouraged to reduce stormwater impacts associated with development and redevelopment.

<i>Performance Requirement 1: Site Design and Runoff Reduction Summary</i> Minimize stormwater runoff by implementing <u>one or more</u> of the following Site Design Measures. <i>Selected Design Measures must be clearly referenced on the project plans.</i>			
Site Design Measures	Implemented?	If Yes, provide Plan Sheet / Detail location	If No, provide an explanation below
Roof runoff directed into cisterns or rain barrels for reuse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		No roof runoff generated by project.
Roof runoff directed into vegetated areas (safely away from building foundations and footings)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		No roof runoff generated by project.
Runoff from sidewalks, walkaways, and/or patios directed onto vegetated areas (safely away from the building foundations and footings)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		No applicable flatwork proposed.
Runoff from driveways and/or uncovered parking lots onto vegetated areas (safely away from the building foundations and footings)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sheet C.3 (grading)	
Are bike lanes, driveways, uncovered parking lots, sidewalks, walkways, and patios constructed with permeable surfaces?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sheet C.3 (grading)	

Performance Requirement #1: Stormwater Site Design & Runoff Reduction Summary

For each of the following, please describe how this project has complied to the maximum extent practicable with the following site design and runoff reduction:

1. Limit disturbance of creeks and natural drainage features.
The majority of the parcel is reserved to the wetland and the required wetland offset. The project is configured to work efficiently within the remaining space and preserve a buffer around the wetland.

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2. Minimize compaction of highly permeable soils.
Infiltration SCMs sited to take advantage of permable soils.
3. Limit clearing and grading of native vegetation at the site to the minimum area needed to build the project, allow access, and provide fire protection.
The site design leaves vegetated margins on all sides of the property which are conserved to the extent feasible. The majority of the site, including the north wetland will be left undisturbed.
4. Minimize impervious surfaces by concentrating improvements on the least-sensitive portions of the site, while leaving the remaining land in a natural, undisturbed state.
The entire area of disturbance and impervious surfaces being constructed are set back 50' minimum from the wetland boundary established by the project biological report.

Certification*

I hereby certify that this project is designed to achieve full compliance with each of the applicable Central Coast Post-Construction Requirements.

Preparer Name: John Doe	
Preparer Signature: 	Date: 01/01/2024
Was this application completed by a registered professional? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
License Number: 12345	License Type: Professional Engineer
Stamp: 	

*Certification is required for projects subject to Performance Requirements 2, 3, or 4 and may be provided by a registered professional engineer, geologist, architect, and/or landscape architect.

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EXAMPLE PROJECT: Main Street Park and Ride Lot, Anytown

Post-Construction Stormwater Control Plan for:
Main Street Park and Ride Lot, Anytown

Date: January 1, 2024

Name of owner: General Land Development Company, LLC.

Owner's representative and contact information: Jane Doe
(555)123-4567 Jane@email.com

Plan prepared by: General Civil Engineering Consultants, Inc.

Preparer's name and contact information: John Doe
(555)123-4567 John@email.com

Submitted to: County of San Luis Obispo

Preparer's signed stamp:



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Stormwater Control Plan Submittal Completion Checklist

Exhibits:

Element	Included?	Notes
Exhibit depicting SCMs, Drainage Management Areas (DMAs).	Yes	Attachment 1
Exhibit depicting pre and post project pervious and impervious areas.	Yes	Attachment 1
Opportunities and constraints map.	Yes	Attachment 4

Required Submittals for PR#2

Element	Included?	Notes
Source control checklist.	Yes	Section 4
Plan sheet detail indicating location of PR#1 implementation.	Yes	Section 3.b Sheet C3.0 (grading) Sheet C4.0 (details)
Draft long-term operations and maintenance plan.	Yes	Attachment 5

Required Submittals for PR#3

Element	Included?	Notes
LID opportunities and constraints analysis with map.	Yes	Attachment 4
Underground infiltration system pretreatment device certification.	N/A	Pretreatment provided by bioretention and biofiltration features
Soils testing report and design infiltration rate supporting documentation.	Yes	Grading permit package

Requirements for PR#4

Element	Included?	Notes
Calculations for peak management.	Yes	Attachment 2

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EXAMPLE

1. Summary Project Data

Table 1 provides a summary of project data related to demonstrating compliance with the Post-Construction Stormwater Management Requirements (the PCRs) for Development Projects in the Central Coast [Resolution R3-2013-0032]. The proposed project is designed to comply with applicable requirements outlined in the PCRs.

Table 1: Summary Project Data

Project name:	Main Street Park-and-Ride Lot		
Project or permit number:	Building Permit CBLD2023-12345		
Preliminary or Final SWCP:	<input type="checkbox"/> Preliminary entitlements Subdivision or Land Use Permit approval.	<input checked="" type="checkbox"/> Final Building and/or Grading Permit for construction.	
Project location:	Northwest corner of Main Street and Broadway 123 Main St. Anytown, CA APN: 123-45-678		
Project Description:	Construct new parking lot with 116 vehicle spaces for County Transit Park-and-Ride program on southern portion of currently undeveloped lot. Remainder of lot to remain undisturbed.		
Total project site area:	0.72 acres = 31,500 SF		
Total Existing Impervious Area:	5,000 SF		
New Impervious Area:	22,500 SF		
Replaced impervious Area:	4,000 SF (existing asphalt driveway)		
Reduced Impervious Area:	0 SF Credit = 0 Unless (Pre-Project Impervious – Post-Project Impervious) > 0		
Credit for Reduced Impervious Area: <i>If post-project > pre-project, Credit = 0</i> <i>If post-project < pre-project, Credit = Reduced</i>	[22,500 + 4,000] = 26,500 Total existing: 5,000 Credit = 0		
Net impervious area:	(New + Replaced) – Credit = (22,500 + 4,000) – (0) = <u>26,500 SF</u>		
Watershed management zone:	WMZ 1		
Design storm frequency and depth:	<input checked="" type="checkbox"/> 85 th percentile	<input checked="" type="checkbox"/> 95 th percentile	85 th i = 1.1" 95 th i = 1.9"
Applicable performance requirements:	<input checked="" type="checkbox"/> PR #1	<input checked="" type="checkbox"/> PR #2	<input checked="" type="checkbox"/> PR #3 <input checked="" type="checkbox"/> PR #4

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Table 2 summarizes the predominant soil characteristics of the development site and data generated from web generated soils reports and site soils explorations and testing.

Table 2: Site Soils summary data

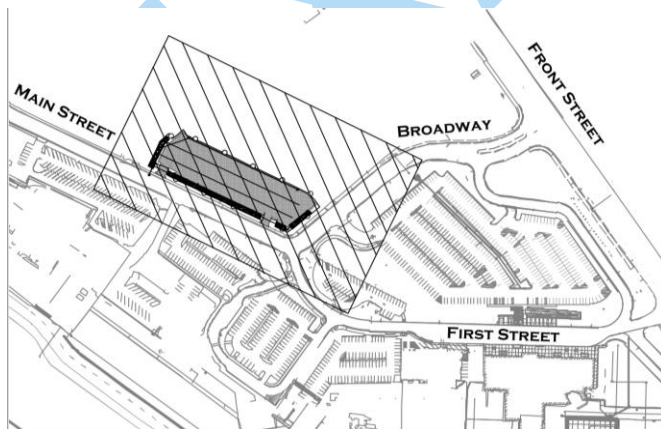
Predominant soil type(s) of site:	Silty well-graded sand.			
Predominant hydrologic soils group classification of site:	<input checked="" type="checkbox"/> Group A	<input type="checkbox"/> Group B	<input type="checkbox"/> Group C	<input type="checkbox"/> Group D
Soils testing conducted at site:	<input checked="" type="checkbox"/> Borings		<input type="checkbox"/> Percolation testing	
	<input checked="" type="checkbox"/> Infiltration testing		<input type="checkbox"/> Other	
Brief summary of soil testing conducted:	<p>Three (3) soil borings were performed to collect soil samples and establish the soil profile and water table depth.</p> <p>Two (2) percolation tests were performed, and the percolation data was converted using the Porchet method to establish design infiltration rates for the underground infiltration chambers.</p> <p>The soils report for the project site was included with the building permit application.</p>			
Design soil infiltration rate:	1.0 inches/hour			
Factor of Safety applied:	FS=2			

2. Project setting

a. Project Location and Description

This project site is located at the northwest corner of the intersection of Main Street and Broadway in Anytown, California. The site is currently zoned for Public Facilities and is undeveloped except for an existing storage shed and driveway. The proposed project will construct a new parking lot containing 116 parking stalls to be used by transit passengers from the adjacent communities in conjunction with the County Transit Park-and Ride program.

Figure 1: Project Vicinity Map



b. Existing Site Features and Conditions

The property is a 2.52 acre irregularly shaped parcel. Apart from the existing driveway and storage shed, the parcel is undeveloped and evenly covered with grasses and sage brush. The property can be roughly separated into two distinct flat areas to the north and south separated by a 15-foot sloped decline toward the middle.

The north portion of the property is a large triangular low-lying area containing a sensitive wetland. This area is mostly flat with gentle slopes to an internal naturally occurring sump area. The south portion of the property is a roughly 30,000 SF rectangular area bounded on the south and east by existing curb, gutter, and sidewalk improvements along Main Street and Broadway. This area is flat and roughly level with the adjacent streets but is bounded on the north by a sloped decline descending roughly 15 feet to the wetland below.

The proposed project will be constructed in the southern portion of the parcel leaving the wetland undisturbed and maintaining a 50' minimum offset from the wetland boundary as established by the project biological report. In the current condition, the project area is gently sloped to sheet flow toward the northern wetland and does not receive any significant run-on from the adjacent streets or properties. The proposed design will divert runoff from new impervious areas away from the northern wetland to new stormwater features on site for treatment and retention with attenuated overflows to the existing storm drain in Main Street.

The design was evaluated in coordination with the project biologist for the possibility of detrimental impact to the wetland caused by a net reduction of historical runoff received by the wetland. It was determined that the soil and vegetation immediately around the project area provide for quick infiltration and surface retention of runoff. As a result, historical runoff received by the wetland from the project area is negligible. Rather, the project biology report indicated that the wetland is primarily fed by surface flows descending from the larger, steeper areas to the north and west, and the report recommended that diverting new flows away from the wetland is the preferred strategy to avoid potential pollutant load on the wetland.

c. Opportunities and Constraints for Stormwater Control

Projects triggering PR#3 and above are required to submit a LID opportunities and constraints analysis.

This project is PR#3 or above:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
The LID opportunities and constraints checklist is included as an Attachment to this SWCP.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Applicable
The LID opportunities and constraints site map is included as an Attachment to this SWCP.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Applicable
The LID Opportunities and Constraints checklist and site map are included in Attachment 4.			

3. Low Impact Development Design Strategies

a. Site Design Strategies

Performance Requirement #1 is applicable to all regulated projects that create and/or replace $\geq 2,500$ sf of impervious surface area. This project has incorporated Low Impact Development site design strategies as detailed below.

Limit disturbance to creeks and natural drainage features

The project will maintain a minimum 50' offset from the wetland on the north side of the property and keep this area undisturbed. Runoff from the project will be directed away from the wetland since the site will be graded to collect runoff into the on-site SCMs which will overflow to the public storm drains in the street. As discussed above, this strategy will protect the wetland from potential pollution.

Minimize compaction of highly permeable soils

The proposed project will occur on the south, rectangular portion of the site which was graded and flattened by previous owners and well compacted by vehicle parking. Therefore, the project will not increase compaction of soils beyond the historically well compacted areas.

Limit clearing and grading of native vegetation to minimum area necessary

The project will maintain a minimum 50' offset from the wetland on the north side of the property and keep this area undisturbed. The project area is clear of vegetation except for some grasses, so disturbance to vegetation will be minimal if any.

Minimize impervious surfaces and concentrate improvements on the least-sensitive portions of the site.

The available project area is restricted to the south area of the parcel by the wetland on the north and the required 50' setback. The project area was already graded by previous owners and somewhat well compacted by vehicles parking.

b. Runoff Reduction Strategies

Performance Requirement #1 mandates that one or more runoff reduction measures be integrated into the site design. Table 3 indicates where runoff reduction measures have been incorporated into the proposed project.

Table 3: Performance Requirement #1 Runoff Reduction Strategies

Runoff Reduction Strategy	Guidelines	Location implemented	Plan sheet and detail
Direct roof runoff into cisterns or rain barrels for reuse.	Minimum 100-gallon volume for collection.	N/A No roof area proposed	N/A No roof area proposed
Direct roof runoff to vegetated areas away from foundations and footings.	Minimum 10% of roof area directed to vegetated areas.	N/A No roof area proposed	N/A No roof area proposed
Direct runoff from sidewalks, walkways and/or patios onto vegetated areas.	Minimum 10% of flatwork* area drainage directed to vegetated areas.	N/A No applicable flatwork proposed.	N/A No applicable flatwork proposed.

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Direct runoff from driveways and/or parking lots onto vegetated areas.	Minimum 10% of flatwork area drainage directed to vegetated areas.	25,000 SF impervious to vegetated SCMs / 26,500 total impervious area = 94% > 10% <u>OK</u>	Sheet C3.0 (grading) Sheet C4.0 (details)
Construct bike lanes, driveways, uncovered parking lots, sidewalks, walkways, and patios with permeable surfaces.	Minimum 10% of flatwork area constructed with permeable surfaces.	1,080 SF permeable pavers / 26,500 SF pavement = 4% < 10% Does not meet PR1 minimum	Sheet C3.0 (grading) Sheet C4.0 (details)

*Flatwork refers to smooth paved surfaces such as sidewalks, driveways, pathways, or parking lots.

Additional site design and runoff reduction strategies are required for projects that must comply with Performance Requirement #3. Table 4 indicates the design strategies that were incorporated into the project design to optimize the use of LID.

Table 4: Performance Requirement #3 Additional LID Design Strategies

Augmented PR#3 LID Design Strategies	Implemented?	Explanation
Define the development envelope and protected areas. Identify areas suitable for development and areas to remain undisturbed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	The majority of the parcel is reserved to the wetland and the required wetland offset. The project is configured to work efficiently within the remaining space.
Conserve natural areas, including existing trees, vegetation, and soils.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	The site design leaves vegetated margins on all sides of the property which are conserved to the extent feasible. The majority of the site, including the north wetland will be left undisturbed.
Limit the overall impervious footprint of the project.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	The project footprint has been reduced to the extent feasible. The anticipated parking demands were reviewed with County Transit to limit unnecessary redundancy.
Construct streets, sidewalks, parking lot aisles to minimum widths required.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	The parking stalls and drive aisles were designed to the minimum dimensions allowed by County Land Use Ordinance and CalFire.
Set back development from creeks, wetlands, and riparian habitats.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	The entire area of disturbance is set back 50' minimum from the wetland boundary established by the project biological report.
Conform the site layout along natural landforms.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	The project was designed to fit within an existing flat, graded area bounded in the north by an existing grade break to the rest of the site. This will minimize grading and take advantage of the existing terrain.
Avoid excessive grading and disturbance of vegetation and soils.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	The project was designed to fit within an existing flat, graded area bounded in the north by an existing grade break to the rest of the site. This will minimize grading and take advantage of the existing terrain.
Table 4 is not applicable to this project.	<input type="checkbox"/> The requirements of this table are not applicable to the project. This project is not required to comply with Performance Requirement #3.	

c. Self-treating and self-retaining areas

This project reduces the amount of runoff for which Stormwater Structural Control Measures (SCMs) are required by utilizing self-treating and self-retaining areas.

This project reduces the amount of runoff for which Stormwater Structural Control Measures (SCMs) are required by utilizing self-treating and self-retaining areas. The rear corners of the project area furthest from the street were reserved as self-treating or self-retaining areas.

The NW corner of the site slopes back toward the property edge and the wetland in the current condition. To avoid re-grading this corner, it will be graded to match the current terrain and isolate runoff from six parking stalls and a portion of the drive aisle. These six stalls will be built with pervious pavers to self-retain 1,420 SF of asphalt pavement.

The NE edge requires minor grading to confirm to existing grade, but it will be vegetated and reserved as a self-treating area (DMA 6).

4. Documentation of Drainage Design

a. Drainage Management Areas Summary

The project site has been delineated into distinct Drainage Management Areas (DMAs), sized per the guidelines in the County of San Luis Obispo Post-Construction Stormwater Guidebook. Descriptions of each DMA are included in Table 5.

Table 5: Drainage Management Areas and Characteristics

DMA Number/ID	Surface Type & description	Area (sf)	Drains to:		
DMA 1	HMA Pavement	2,500	<input type="checkbox"/> Self-treating	<input type="checkbox"/> Self-retaining	<input checked="" type="checkbox"/> SCM
DMA 2	HMA Pavement	10,000	<input type="checkbox"/> Self-treating	<input type="checkbox"/> Self-retaining	<input checked="" type="checkbox"/> SCM
DMA 3	HMA Pavement	5,000	<input type="checkbox"/> Self-treating	<input type="checkbox"/> Self-retaining	<input checked="" type="checkbox"/> SCM
DMA 4	HMA Pavement	5,000	<input type="checkbox"/> Self-treating	<input type="checkbox"/> Self-retaining	<input checked="" type="checkbox"/> SCM
DMA 5	HMA Pavement	2,500	<input type="checkbox"/> Self-treating	<input type="checkbox"/> Self-retaining	<input checked="" type="checkbox"/> SCM
DMA 6	Landscaping	500	<input checked="" type="checkbox"/> Self-treating	<input type="checkbox"/> Self-retaining	<input type="checkbox"/> SCM
DMA 7	HMA Pavement Draining to Pavers	1,500	<input type="checkbox"/> Self-treating	<input checked="" type="checkbox"/> Self-retaining	<input type="checkbox"/> SCM

b. Stormwater Structural Control Measures

Structural Control Measures for PR#2 Treatment

This project requires construction of Stormwater Structural Control Measures (SCMs) to treat runoff in compliance with Performance Requirement #2, Water Quality Treatment. Treatment for each DMA is provided by one of the following types of features:

(1) Bioretention Basins

Required SCM Capacity = Volume (CF) of 85th percentile storm runoff from DMAs flowing to SCM

Provided SCM Capacity = Design volume (CF) of bioretention basin

(2) Biofiltration Features (i.e., bioretention w/ underdrain)

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Required SCM Capacity = Area (SF) of DMAs flowing to SCM x 0.04

Provided SCM Capacity = Surface area of SCM

(3) Vegetated Flow-Based Treatment (i.e. vegetated swales, vegetated buffer strips)

Required SCM Capacity = Minimum swale length (FT) or minimum strip width (FT)

Provided SCM Capacity = Actual swale length (FT) or strip width (FT)

(4) Mechanical Flow-Based Treatment Devices (i.e., filters, mechanical separators)

Required SCM Capacity = Peak flow rate (CFS) to SCM

Provided SCM Capacity = Maximum recommended flow rate (CFS) to the SCM for effective treatment per manufacturer’s specifications or design

No treatment is to be provided by direct infiltration facilities. All direct infiltration facilities must receive flows treated by flow-based treatment devices or by above-ground biofiltration or bioretention facilities. Direct infiltration should be reserved for retention and peak management.

Key attributes of these SCMs for Water Quality Treatment are summarized in Table 6.

Table 6: Structural Control Measure Summary Table (PR2 – Treatment Only)

SCM Number/ID	DMA Number/ID	SCM Type	Required SCM Capacity (CFS, SF, FT, CF)	Provided SCM Capacity (CFS, SF, FT, CF)
SCM 1	DMA 1	Vegetated Swale	22 FT	54 FT
SCM 2	DMA 2	Bioretention	953 CF	1650 CF
SCM 3	DMA 3	Bioretention	500 CF	900 CF
SCM 4	DMA 4	Bioretention	500 CF	900 CF
SCM 5	DMA 5	Vegetated Swale	22 FT	72 FT

Additionally, the vegetated swales have been designed for hydraulic capacity per the County Public Improvement Standards. This is documented within the project’s Drainage Report.

Structural Control Measures for PR#3 Retention

This project requires construction of Stormwater Structural Control Measures to achieve compliance with Performance Requirement #3, Retention. Key attributes of the SCMs are summarized in Table 7.

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Table 7: Structural Control Measure Summary Table (PR3 – Runoff Retention)

SCM Number/ID	DMA Number/ID	SCM Type	Required SCM volume (CF) (Area x runoff coefficient x 85 th percentile rainfall depth)	Provided SCM volume (CF)
SCM 2	DMA 2	Bioretention Basin	1,647 CF	1650 CF
SCM 3	DMA 3	Bioretention Basin	863 CF	900 CF
SCM 4	DMA 4	Bioretention Basin	863 CF	900 CF
SCM 6	DMAs 1,5,6	Underground infiltration chambers	714 CF	14,000 CF
Table 7 is not applicable to this project.			<input type="checkbox"/> The requirements of this table are not applicable to the project. This project is not required to comply with Performance Requirement #3.	

Summary of Structural Control Measures (PR4 – Peak Management)

This project requires construction of Stormwater Structural Control Measures to achieve compliance with Performance Requirement #4, Peak Management. Key attributes of the SCMs are summarized in Table 8.

Table 8: Structural Control Measure Summary Table (PR4 – Peak Management)

SCM Number/ID	DMA Number/ID	SCM Type	2-Year Storm Runoff (CFS)		5-Year Storm Runoff (CFS)		10-Year Storm Runoff (CFS)	
			Pre	Post	Pre	Post	Pre	Post
6	1,2,3,4,5,6	Underground chambers	1.37	0	1.83	0	2.35	0
Table 8 is not applicable to this project.			<input type="checkbox"/> The requirements of this table are not applicable to the project. This project is not required to comply with Performance Requirement #4.					

Underground Structural Control Measures

Projects that intend to utilize underground stormwater structural control measures for retention, infiltration, or peak management must complete Table 9.

Table 9: Subgrade Stormwater Structural Control Measures

This project includes subgrade SCMs: (i.e. dry wells, chambers, vaults.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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The project design distributes at least 30% of the post-construction runoff volume to at-grade SCMs or LID features.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <i>(If no, provide explanation below)</i>
Explanation (as needed): <i>Per Table 7 above, PR3 requires 4,087CF of total runoff retention. Surface bioretention basins (SCMs 2,3,4) provide 3,450 CF or 84% of the required volume.</i>		
The project design includes a TAPE certified* pre-treatment device upstream of subgrade features. <i>(Include documentation in Attachment)</i>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
The project design achieves PR#2 water quality treatment using at-grade features upstream of subgrade features.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Table 9 is not applicable to this project.	<input type="checkbox"/> The project does not include underground structural control measures.	

*Information about TAPE certified pre-treatment devices is included in the San Luis Obispo County Post-Construction Stormwater Guidebook.

c. Areas Draining to Self-retaining Areas

A portion of the project has been designed to drain to self-retaining areas (SRAs), summarized in Table 5. The pervious self-retaining areas included in Table 10 account for only the functional bottom width of the SRA in the receiving self-retaining DMA area column. Perimeter areas are not included when calculating the impervious to pervious ratio.

A portion of the project has been designed to drain to self-retaining areas (SRAs), summarized in Table 5. The pervious self-retaining areas included in Table 6 account for only the functional bottom width of the SRA in the receiving self-retaining DMA area column. Perimeter areas are not included when calculating the impervious to pervious ratio.

The design will incorporate permeable pavers so DMA 7 will function as an SRA. DMA 7 contains six parking stalls and a portion of parking drive aisle for a total of 2,500 SF of area. All six stalls will be constructed with pavers.

Table 10: Self-retaining area summary

SRA Number/ID	Description	[A] SRA Area (SF)	DMAs Draining to SRA Number/ID	[B] Total Areas Draining to SRA (SF)	Ratio [B]/[A]
DMA 7	Pervious pavers w/ gravel storage below	1,080	DMA 7	1,420	1.3 : 1
Table 10 is not applicable to this project.		<input type="checkbox"/> The project does not include any self-retaining areas.			

Minimum Stall Size = 10' x 18' = 180 SF

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Paver Area for Six Parking Stalls = (6)*(180 SF) = 1,080 SF
 Tributary Area to Pavers = 2,500 SF – 1,080 SF = 1,420 SF

Check:
 (1,420 SF) / (1,080 SF) = 1.3
 1.3:1 (< 2:1 ok)

The proposed design meets the criteria for the use of self-retaining areas as written in the County of San Luis Obispo Post-Construction Stormwater Guidebook:

Self-retaining area sizing: 2:1 Sizing Ratio (acceptable) >2:1 Sizing Ratio (un-acceptable)

d. SCM Construction Checklist

Construction details are provided for each SCM planned for the site. These details include specifications for materials, elevations, plants, and protection of features during construction Table 11 indicates where SCM construction details can be reviewed.

Table 11: SCM Construction Details Summary Table

DMA Name/ID	SCM ID and Type	Plan Sheet No.	Plan set	SCM Detail No.
DMA 1	SCM 1 (Vegetated Swale)	C2.0	<input checked="" type="checkbox"/> Grading Permit <input type="checkbox"/> Structure Permit	C3.0, Detail #1
DMA 2	SCM 2 (Bioretention)	C2.0	<input checked="" type="checkbox"/> Grading Permit <input type="checkbox"/> Structure Permit	C3.0, Detail #2
DMA 3	SCM 3 (Bioretention)	C2.0	<input checked="" type="checkbox"/> Grading Permit <input type="checkbox"/> Structure Permit	C3.0, Detail #2
DMA 4	SCM 4 (Bioretention)	C2.0	<input checked="" type="checkbox"/> Grading Permit <input type="checkbox"/> Structure Permit	C3.0, Detail #2
DMA 5	SCM 5 (Vegetated Swale)	C2.0	<input checked="" type="checkbox"/> Grading Permit <input type="checkbox"/> Structure Permit	C3.0, Detail #1
DMA 1-7	SCM 6 (Chambers)	C2.0	<input checked="" type="checkbox"/> Grading Permit <input type="checkbox"/> Structure Permit	C3.0, Detail #3
DMA 7	SRA (Pavers)	C2.0	<input checked="" type="checkbox"/> Grading Permit <input type="checkbox"/> Structure Permit	C3.0, Detail #4

Vegetated SCMs such as bioswales and bioretention require plantings to achieve optimal pollutant load reduction. Project plans must include a detail indicating the plant palette selected for vegetated SCMs. The source of the selected planting palette is summarized in Table 12.

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Table 12: Plant Palette Selected for Vegetated SCMs

Name of Plant Palette	Source	Plan Sheet & Detail
Basic Commercial, Inland	<input checked="" type="checkbox"/> SLO County Post-Construction Guidebook Appendix D <input type="checkbox"/> Central Coast LIDI: Plant Palette Guidebook, or Bioretention Plant Guide <input type="checkbox"/> Other [describe]	Sheet L.1, Detail 5

5. Pollutant Source Control Measures

The project design includes pollutant source control measures to limit the exposure of potential pollutants once construction is complete. Source controls may be operational, structural or procedural. Permanent source control measures that are applicable to the project site and that will be implemented are indicated in Table 13.

Table 13: Permanent Pollutant Source Control Measures

Pollutant Generating Activities and Sources	Source Control BMP	Method selected
Vehicle or equipment cleaning. Un-authorized non-stormwater discharges.	Educational stormwater signage. <i>(Operational.)</i>	<input checked="" type="checkbox"/> 'No Dumping' storm drain inlet markers. <input type="checkbox"/> 'Rainwater only' storm drain inlet markers. <input type="checkbox"/> Educational or informational stormwater signage for LID features.
Fuel dispensing areas. Chemical or material storage areas. Refuse areas.	Secondary containment devices. <i>(Structural)</i>	<input type="checkbox"/> Raised permanent containment around liquid storage tanks. <input type="checkbox"/> Rolling berm containment around liquid handling or loading areas.
Loading docks. Parking/storage areas.	Permanent protective shelters/covers. <i>(Structural.)</i> Waste collection and disposal equipment. <i>(Operational.)</i>	<input type="checkbox"/> Permanent storage sheds/canopies to shield equipment or materials. <input type="checkbox"/> Canopy downspouts routed away from shelters covering equipment and materials. <input checked="" type="checkbox"/> Trash and recycling receptacles provided in parking and storage areas.
Refuse/ trash disposal areas. Building and grounds maintenance.	Permanent protective shelters/covers. <i>(Structural)</i> Informational signage. <i>(Operational)</i> Periodic inspection. <i>(Operational.)</i>	<input type="checkbox"/> Drainage from adjoining areas diverted away from trash storage area. <input type="checkbox"/> Trash storage area walled and covered. <input checked="" type="checkbox"/> Storm drains located away from trash storage areas. <input type="checkbox"/> Trash storage area paved to mitigate spills. <input checked="" type="checkbox"/> Informational signage posted. <input checked="" type="checkbox"/> Scheduled periodic inspection of waste receptacles.

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Pollutant Generating Activities and Sources	Source Control BMP	Method selected
Loading & unloading areas.	Permanent protective shelters. <i>(Structural.)</i> Drainage routing or containment. <i>(Structural.)</i> Spill cleanup and control materials. <i>(Operational)</i>	<input type="checkbox"/> Permanent overhead canopy covering loading docks. <input type="checkbox"/> Below-grade loading docks drain to water quality pre-treatment device. <input type="checkbox"/> Trash receptacles provided near loading docks. <input type="checkbox"/> Spill cleanup kit provided near loading docks. <input type="checkbox"/> Loading docks located away from storm drain inlets.
Restaurants, grocery stores, and other food service operations.	Equipment cleaning and maintenance procedures. <i>(Operational)</i> Drains clearly marked and verified. <i>(Operational)</i>	<input type="checkbox"/> Indoor sinks and cleaning facilities sized for largest possible items for cleaning. <input type="checkbox"/> Sinks and cleaning areas connected to grease interceptors. <input type="checkbox"/> Indoor floor drains connected to sanitary sewer. <input type="checkbox"/> Outdoor floor drains connected to sanitary sewer in permanently covered areas. <input type="checkbox"/> Cleaning and degreasing agents used on site are low-hazard or biodegradable.
High traffic pedestrian areas. Pet-friendly areas.	Waste collection and disposal equipment. <i>(Operational)</i> Educational signage. <i>(Operational)</i>	<input type="checkbox"/> Permanent pet waste bag dispenser stations provided. <input checked="" type="checkbox"/> Trash and recycling receptacles provided in areas of heavy pedestrian traffic. <input type="checkbox"/> Informational pet waste signage installed.
Outdoor Pools, Spas, Fountains	Drainage design to manage overflows, backwashing, and maintenance. <i>(Structural)</i> Technician training and disposal plans. <i>(Operational)</i>	<input type="checkbox"/> Design prevents overflow discharge to streets, storm drains or creeks/waterways. <input type="checkbox"/> Design incorporates filter backwash treatment plan. <input type="checkbox"/> Service technicians trained in appropriate chemical application and disposal. <input type="checkbox"/> Disposal plan for periodic water feature draining/refilling is established.
Landscaping maintenance. Landscaping irrigation systems.	Storage areas for landscaping chemicals. <i>(Structural.)</i> Water efficient irrigation system. <i>(Operational.)</i> Training for maintenance staff and chemical applicators. <i>(Operational.)</i>	<input type="checkbox"/> Covered and contained storage area provided for all pesticide, herbicides, and landscaping chemicals. <input type="checkbox"/> Temporary landscape material stockpiling area provided away from water courses and drain inlets. <input checked="" type="checkbox"/> Water efficient irrigation systems installed. <input checked="" type="checkbox"/> Scheduled semi-annual irrigation maintenance and system verification. <input checked="" type="checkbox"/> Employees and maintenance contractors appropriately licensed and trained. <input checked="" type="checkbox"/> Chemical use (fertilizers, herbicides, pesticides) is minimized. <input checked="" type="checkbox"/> Chemical applicators licensed or trained in proper application and disposal requirements.

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Pollutant Generating Activities and Sources	Source Control BMP	Method selected
	Less hazardous chemicals selected for maintenance. <i>(Procedural.)</i>	<input checked="" type="checkbox"/> Less toxic chemicals substituted for hazardous toxic chemicals.
Fire Sprinkler Test Water	Fire system flushing water disposal plan. <i>(Operational.)</i>	<input type="checkbox"/> Fire system flushing area sited near landscaping for test water infiltration. <input type="checkbox"/> Fire sprinkler line flush testing area designed for flow direction to sanitary sewer.
Vehicle or Equipment Parking areas.	Parking area regular maintenance. <i>(Operational.)</i> Vehicle and equipment regular maintenance. <i>(Operational.)</i>	<input checked="" type="checkbox"/> Trash receptacles provided in areas of heavy pedestrian traffic. <input checked="" type="checkbox"/> Sweeping and litter removal scheduled as part of ongoing maintenance. <input type="checkbox"/> Vehicles and equipment regularly serviced at off-site location. <input type="checkbox"/> Vehicles and equipment fueled in designated location with spill control kits.
Un-authorized non-stormwater discharges	Employee/contractor training. <i>(Operational.)</i>	<input type="checkbox"/> Mobile cleaning vendors appropriately trained, capable of collecting and removing wash waters for offsite disposal. <input type="checkbox"/> Service contractors equipped with appropriate washout and containment supplies.

6. Stormwater Infrastructure Maintenance

a. Operations and Maintenance Agreements

The Regional Transit Authority will be responsible for operations and maintenance of the stormwater system in perpetuity. These responsibilities are transferred to future owners upon completion of sale of the project site or portion thereof. This project intends to delegate responsibility for long-term operations and maintenance as follows:

- | | | |
|---|--|---|
| Recorded maintenance agreement type: | <input checked="" type="checkbox"/> Agreement | <input type="checkbox"/> Codes, Covenants & Restrictions language. |
| The party responsible for operations and maintenance of the system will be: | <input checked="" type="checkbox"/> Single owner | <input type="checkbox"/> Multiple owners |
| | <input type="checkbox"/> Owner's association | <input type="checkbox"/> Corporation |
| The party responsible for operations and maintenance of the system: | <input checked="" type="checkbox"/> Is located locally in San Luis Obispo County. | <input type="checkbox"/> Has a designated local representative in San Luis Obispo County. |
| | <input type="checkbox"/> Is located outside the County, within California. | <input type="checkbox"/> Is located outside California. |
| The party responsible for operations and Maintenance intends to complete annual inspections and maintenance by the following methods: | <input checked="" type="checkbox"/> Self-inspect and maintain. Contract out for additional maintenance support as necessary. | <input type="checkbox"/> Contract out all system inspection and maintenance services. |

b. Summary of Maintenance Requirements for each Structural Control Measure

The maintenance requirements and anticipated annual costs for maintaining each SCM associated with the project are documented in County form SWP-1008. Copies of these forms are included as Attachment 5. An operations and maintenance agreement will be recorded with the County Clerk Recorder prior to final of project construction.

7. Conclusions and Certification of Compliance

This project meets each of the applicable Performance Requirements stipulated by the PCRs.

Performance Requirement #1	Compliance achieved onsite? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Measure(s) implemented: Runoff from hardscape is directed to vegetated areas. Design incorporates permeable pavers.	
Performance Requirement #2	Volume of treatment required for project: DMA 2,3,4 1,953 CF required (bioretention) DMA 1,5 22 FT required each (vegetated swale) DMA 7 None (self-retained)	Volume of treatment provided by project: DMA 2,3,4 3,450 CF provided (bioretention) DMA 1,5 54 FT and 72 FT DMA 7 None (self-retained)	Compliance achieved: <input checked="" type="checkbox"/> Onsite <input type="checkbox"/> Offsite
Performance Requirement #3	Volume of retention required for total project: 4,087 CF	Volume of retention provided by total project: 17,450 CF	Compliance achieved: <input checked="" type="checkbox"/> Onsite <input type="checkbox"/> Offsite
Performance Requirement #4	Peak management required: 6,578 CF (2-year volume) 9,867 CF (5-year volume) 11,276 CF (10-year volume)	Peak management achieved: 17,450 CF provided. Peak flow reduced to 0 CFS for 2,5,10-year	

The registered professional engineer, geologist, architect or landscape architect authoring this report certifies that all applicable post-construction stormwater performance requirements have been applied to this project and that this plan conforms to the requirements of the Central Coast Post-Construction Stormwater Management Resolution R3-2013-0032 and the current edition of the County's Post-Construction Stormwater Guidebook.

Preparer Name: John Doe	
Date: 01/01/2024	
License Number: 12345	License Type: Civil Engineer

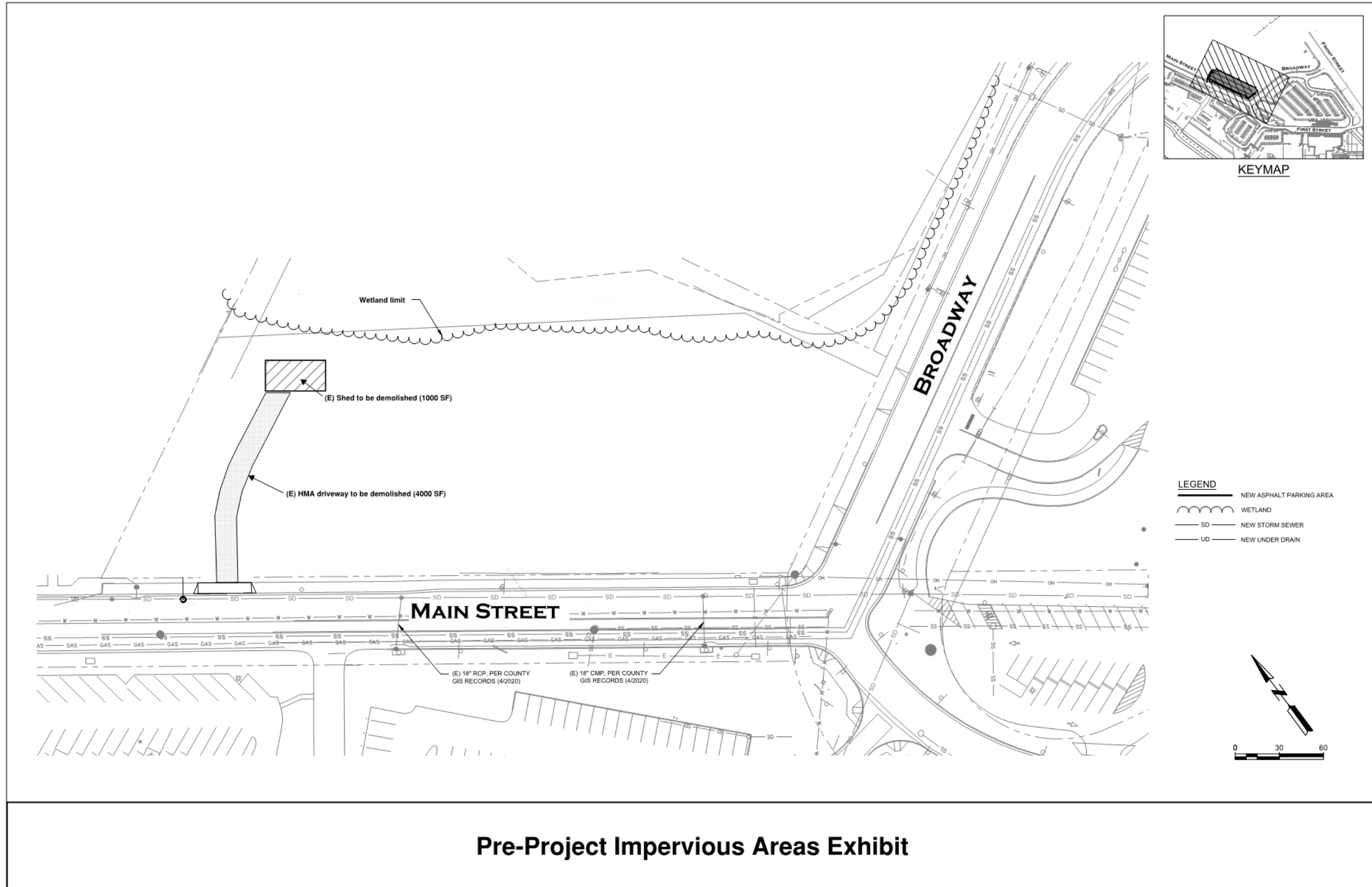
Attachment 1: Site Maps and Exhibits

Pre-Project Impervious Area Exhibit

Post-Project Impervious Area Exhibit

Drainage Management Areas (DMAs) & Structural Control Measures (SCMs) Exhibit

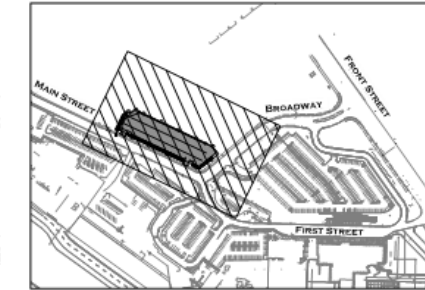
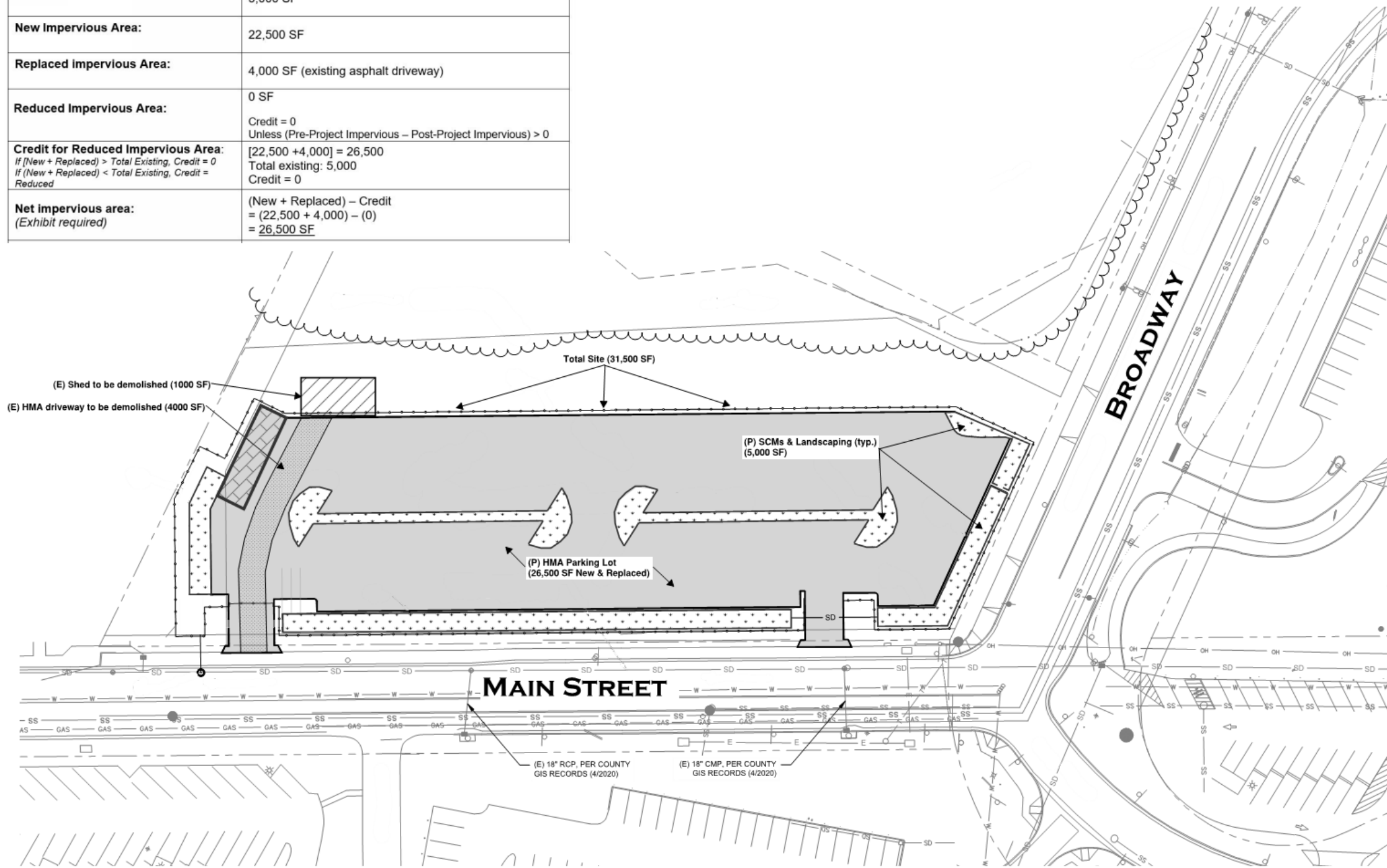
EXAMPLE



Pre-Project Impervious Areas Exhibit

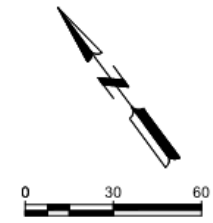
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Total project site area:	0.72 acres = 31,500 SF
Total Existing Impervious Area:	5,000 SF
New Impervious Area:	22,500 SF
Replaced impervious Area:	4,000 SF (existing asphalt driveway)
Reduced Impervious Area:	0 SF Credit = 0 Unless (Pre-Project Impervious – Post-Project Impervious) > 0
Credit for Reduced Impervious Area: <i>If (New + Replaced) > Total Existing, Credit = 0</i> <i>If (New + Replaced) < Total Existing, Credit = Reduced</i>	[22,500 + 4,000] = 26,500 Total existing: 5,000 Credit = 0
Net impervious area: <i>(Exhibit required)</i>	(New + Replaced) – Credit = (22,500 + 4,000) – (0) = <u>26,500 SF</u>



KEYMAP

- LEGEND**
- NEW ASPHALT PARKING AREA
 - WETLAND
 - NEW STORM SEWER
 - NEW UNDER DRAIN



Post-Project Impervious Areas Exhibit

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Table 5: Drainage Management Areas and Characteristics

DMA Number/ID	Surface Type & description	Area (sf)	Drains to:		
DMA 1	HMA Pavement	2,500	<input type="checkbox"/> Self-treating	<input type="checkbox"/> Self-retaining	<input checked="" type="checkbox"/> SCM
DMA 2	HMA Pavement	10,000	<input type="checkbox"/> Self-treating	<input type="checkbox"/> Self-retaining	<input checked="" type="checkbox"/> SCM
DMA 3	HMA Pavement	5,000	<input type="checkbox"/> Self-treating	<input type="checkbox"/> Self-retaining	<input checked="" type="checkbox"/> SCM
DMA 4	HMA Pavement	5,000	<input type="checkbox"/> Self-treating	<input type="checkbox"/> Self-retaining	<input checked="" type="checkbox"/> SCM
DMA 5	HMA Pavement	2,500	<input type="checkbox"/> Self-treating	<input type="checkbox"/> Self-retaining	<input checked="" type="checkbox"/> SCM
DMA 6	Landscaping	500	<input checked="" type="checkbox"/> Self-treating	<input type="checkbox"/> Self-retaining	<input type="checkbox"/> SCM
DMA 7	HMA Pavement Draining to Pavers	1,500	<input type="checkbox"/> Self-treating	<input checked="" type="checkbox"/> Self-retaining	<input type="checkbox"/> SCM

Table 7: Structural Control Measure Summary Table (PR3 – Runoff Retention)

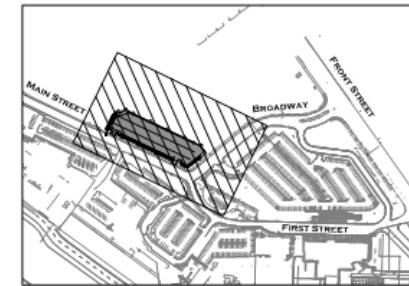
SCM Number/ID	DMA Number/ID	SCM Type	Required SCM volume (cf) (Area x runoff coefficient x 85 th percentile rainfall depth)	Provided SCM volume (cf)
SCM 2	DMA 2	Bioretention Basin	1,647 CF	1650 CF
SCM 3	DMA 3	Bioretention Basin	863 CF	900 CF
SCM 4	DMA 4	Bioretention Basin	863 CF	900 CF
SCM 6	DMA 1,5,6	Underground infiltration chambers	714 CF	14,000 CF

Table 6: Structural Control Measure Summary Table (PR2 – Treatment Only)

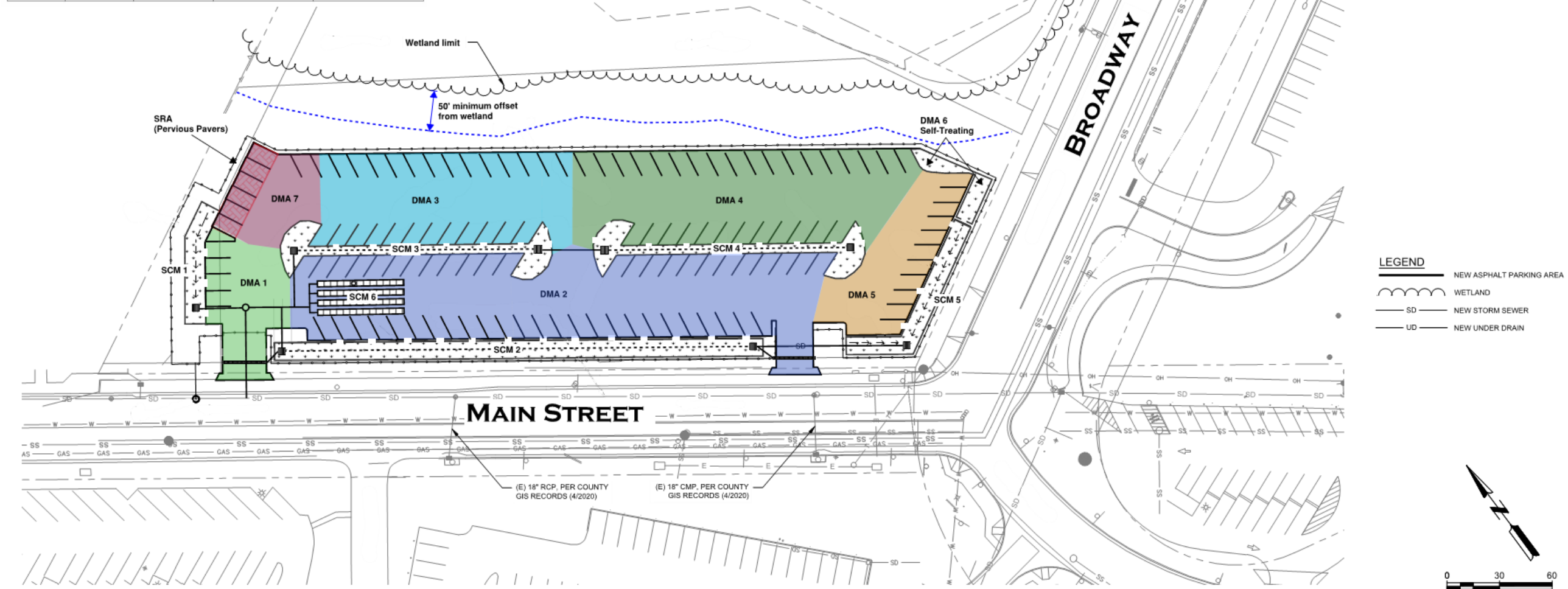
SCM Number/ID	DMA Number/ID	SCM Type	Required SCM Capacity (CFS, SF, FT, CF)	Provided SCM Capacity (CFS, SF, FT, CF)
SCM 1	DMA 1	Vegetated Swale	22 FT	54 FT
SCM 2	DMA 2	Bioretention	953 CF	1650 CF
SCM 3	DMA 3	Bioretention	500 CF	900 CF
SCM 4	DMA 4	Bioretention	500 CF	900 CF
SCM 5	DMA 5	Vegetated Swale	22 FT	72 FT

Table 8: Structural Control Measure Summary Table (PR4 – Peak Management)

SCM Number/ID	DMA Number/ID	SCM Type	2-Year Storm Runoff (CFS)		5-Year Storm Runoff (CFS)		10-Year Storm Runoff (CFS)	
			Pre	Post	Pre	Post	Pre	Post
6	1,2,3,4,5,6	Underground chambers	1.37	0	1.83	0	2.35	0



KEYMAP



Drainage Management Areas (DMAs) and Structural Control Measures (SCMs) Exhibit

Attachment 2: SCM Sizing Calculator Outputs

Supporting Calculations for Structural Control Measures (PR2 – Treatment)

SCM 1, 5 – Vegetated Swale

Size for water quality treatment – Minimum flow capacity is equal to water quality peak runoff. Minimum flow length to provide minimum 5-minute hydraulic residence time.

Water Quality Peak Flow: Rational Method, $Q = CiA$

- Q = Water Quality Peak flow (cfs)
- C = PCRs Runoff Coefficient
 - $C = 0.858i^3 - 0.78i^2 + 0.744i + 0.04 = 0.862$
 - i = Percent impervious
- i = WQF Rainfall Intensity (0.2 in/hr)
- A = Tributary Area (acres)

Swale Sizing: Manning's Equation, $Q = (1.49/n) * A * R^{2/3} * S^{1/2}$

- Q = Flow (cfs)
- n = Manning's coefficient
- A = Cross-sectional area of the flow in the channel (ft²)
- R = Hydraulic Radius, A/P (ft)
 - P = Wetted perimeter of flow area (ft)
- S = Channel longitudinal slope (ft/ft)

Used Manning's equation to iteratively solve channel design variables.

See attached spreadsheet printout for vegetated swale calculations and sizing. The site grading directs runoff from each DMA to the upstream end of the swale. The swales were also sized for hydraulic capacity per the County Public Improvement Standards, this is documented within the project's drainage report.

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SCM 2, 3, 4

Size for treatment by retention of 85th percentile storm volume (simple method)

Min Req'd Retention Volume = C x Rainfall Depth x A,

- C = PCRs Runoff Coefficient (unitless)
 - $C = 0.858i^3 - 0.78i^2 + 0.744i + 0.04 = 0.862$
 - i = Percent impervious
 - C = 0.89 for 100% impervious surface
- 85th percentile rainfall depth = 1.1 inches for this location
- A = retention tributary surface area (SF)

SCMs must also have sufficient volume to capture the rain that falls directly on them (C = 1.0)

SCM	Tributary DMA	Surface Type	C	A (SF)	Required Volume (CF)
SCM 2	DMA 2	HMA	0.89	10,000	816
	SCM 2	Bioretention	1.00	1,500	138
SCM 2 Total					953
SCM 3	DMA 3	HMA	0.89	5,000	408
	SCM 3	Bioretention	1.00	1,000	92
SCM 3 Total					500
SCM 4	DMA 4	HMA	0.89	5,000	408
	SCM 4	Bioretention	1.00	1,000	92
SCM 4 Total					500

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 EXAMPLE PROJECT Main Street Park and Ride Lot, Anytown

Supporting Calculations for Structural Control Measures (PR3 – Retention)

Size for retention of 95th percentile storm volume (simple method)

Min Req'd Volume = C x Rainfall Depth x A,

- C = PCRs Runoff Coefficient (unitless)
 - $C = 0.858i^3 - 0.78i^2 + 0.744i + 0.04 = 0.862$
 - i = Percent impervious
 - C = 0.89 for 100% impervious surface
 - C = 0.04 for 0% impervious
- 95th percentile rainfall depth = 1.9 inches for this location
- A = retention tributary surface area (SF)

SCM	Tributary DMA	Surface Type	C	A (SF)	Required Volume (CF)
SCM 2	DMA 2	HMA	0.89	10,000	1,409
	SCM 2	Bioretention	1.00	1,500	238
SCM 2 Total					1,647
SCM 3	DMA 3	HMA	0.89	5,000	705
	SCM 3	Bioretention	1.00	1,000	158
SCM 3 Total					863
SCM 4	DMA 4	HMA	0.89	5,000	705
	SCM 4	Bioretention	1.00	1,000	158
SCM 4 Total					863
SCM 6	DMA 1	HMA	0.89	2500	352
	DMA 5	HMA	0.89	2500	352
	DMA 6	Landscape	0.04	500	3
	SCM 1	Landscape (swale)	0.04	500	3
	SCM 5	Landscape (swale)	0.04	500	3
SCM 6 Total					714

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Check PR3 Drawdown Requirements

Site infiltration rate = 1.0 inches/hour = 0.0833 ft/hour

SCM	95 th Percentile Runoff Volume (CF)	SCM Floor Area (SF)	95 th Percentile Storm Depth (FT) (Volume / Area)	SCM Type	Safety Factor	Drawdown Time (HOURS) (Depth / Infiltration Rate x Safety Factor)
2	1,647	1,500	1.10	Bioretention	1	13.2
3	863	1,000	0.86	Bioretention	1	10.4
4	863	1,000	0.86	Bioretention	1	10.4
6	714	800	0.89	Underground Chambers	2	21.4

All SCMs fully infiltrate in less than 48 hours per Central Coast Water Board requirements.

Supporting Calculations for Structural Control Measures (PR4 – Peak Management)

Look-up Inputs from County Standard H-4 (PIS) and calculate required retention volume using County modified rational method. For County retention standard, use storm duration $t = 10$ hours = 36,000 seconds. For peak flow calculations, assign minimum T_c of 10 minutes to all DMAs.

- Peak Runoff, $Q = CiA$ (CFS)
 - C = Rational method runoff coefficient
 - i = storm intensity (inches/hour)
 - A = tributary area (acres)
- Volume = $V = Q \times t$ (CF)
 - t = storm duration (seconds)

Annual Rainfall at Project Site = 25 inches

Storm Recurrence (years)	Storm Intensity "i" (in/hr)	
	10 min (Q)	10 hour (V)
2	2.1	0.28
5	2.8	0.42
10	3.6	0.48

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Area ID	Surface Type	Area (SF)	Area (ACRES)	Runoff Coefficient, C	Peak Runoff, Q (CFS)		
					2-year	5-year	10-year
DMA 1	HMA Pavement	2,500	0.06	0.95	0.11	0.15	0.20
DMA 2	HMA Pavement	10,000	0.23	0.95	0.46	0.61	0.79
DMA 3	HMA Pavement	5,000	0.11	0.95	0.23	0.31	0.39
DMA 4	HMA Pavement	5,000	0.11	0.95	0.23	0.31	0.39
DMA 5	HMA Pavement	2,500	0.06	0.95	0.11	0.15	0.20
DMA 6	Landscaping	500	0.01	0.65	0.02	0.02	0.03
DMA 7	HMA Pavement	1,500	0.03	0.95	0.07	0.09	0.12
SCM 1	Vegetated Swale	500	0.01	0.65	0.02	0.02	0.03
SCM 2	Bioretention Basin	1,500	0.03	0.65	0.05	0.06	0.08
SCM 3	Bioretention Basin	1,000	0.02	0.65	0.03	0.04	0.05
SCM 4	Bioretention Basin	1,000	0.02	0.65	0.03	0.04	0.05
SCM 5	Vegetated Swale	500	0.01	0.65	0.02	0.02	0.03
Site Total					1.37	1.83	2.35
DMA/SCM 2 Sub-Total					0.50	0.67	0.87
DMA/SCM 3 Sub-Total					0.26	0.35	0.45
DMA/SCM 4 Sub-Total					0.26	0.35	0.45

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Area ID	Surface Type	Area (SF)	Area (ACRES)	Runoff Coefficient, C	Runoff Volume, V (CF)		
					2-year	5-year	10-year
DMA 1	HMA Pavement	2,500	0.06	0.95	550	824	942
DMA 2	HMA Pavement	10,000	0.23	0.95	2,198	3,298	3,769
DMA 3	HMA Pavement	5,000	0.11	0.95	1,099	1,649	1,884
DMA 4	HMA Pavement	5,000	0.11	0.95	1,099	1,649	1,884
DMA 5	HMA Pavement	2,500	0.06	0.95	550	824	942
DMA 6	Landscaping	500	0.01	0.65	75	113	129
DMA 7	HMA Pavement	1,500	0.03	0.95	330	495	565
SCM 1	Vegetated Swale	500	0.01	0.65	75	113	129
SCM 2	Bioretention Basin	1,500	0.03	0.65	226	338	387
SCM 3	Bioretention Basin	1,000	0.02	0.65	150	226	258
SCM 4	Bioretention Basin	1,000	0.02	0.65	150	226	258
SCM 5	Vegetated Swale	500	0.01	0.65	75	113	129
Site Total					6,578	9,867	11,276
DMA/SCM 2 Sub-Total					2,424	3,636	4,155
DMA/SCM 3 Sub-Total					1,250	1,874	2,142
DMA/SCM 4 Sub-Total					1,250	1,874	2,142

10-year Volume Retained by Bioretention SCMs
 = 1,650 CF (SCM 2) + 900 CF (SCM 3) + 900 CF (SCM 4)
 = **3,450 CF**

Confirm Bioretention SCM storage will be fully utilized, e.g. 10-year Runoff Volume is >= Volume Retained

- SCM 2: 4,155 > 1,650 CF
- SCM 3: 2,142 > 900 CF
- SCM 4: 2,142 > 900 CF

Retain remainder runoff volume in SCM 6, Underground Chambers

APPENDIX E
EXAMPLE PROJECT Main Street Park and Ride Lot, Anytown

Minimum Required 10-year Volume for Underground Chambers
= Total Site Runoff Volume– Volume Retained by Bioretention SCMs
= 11,276 CF – 3,450 CF
= **7,826 CF**

Capacity Provided by Proposed Underground Chambers
= **14,000 CF** (> 8,026 CF, ok)

Total Capacity Provided by all SCMs
= 14,000 CF + 3,450 CF
= **17,450 CF**

EXAMPLE

APPENDIX E
 EXAMPLE PROJECT Main Street Park and Ride Lot, Anytown

Bioswale Water Quality Flow Calculations					
Bioswale Flow (Water Quality Treatment)					
SCM ID	Tributary DMA	Runoff Coefficient, C	Rainfall Intensity, i (in/hr) ¹	Tributary Area, A (ac)	Flow (cfs)
SCM 1	DMA 1	0.89	0.2	0.057	0.010
SCM 5	DMA 5	0.89	0.2	0.057	0.010
¹ Table 7, County of San Luis Obispo Post-Construction Stormwater Guidebook					
Runoff Coefficient, C					
DMA	Impervious Ratio	Runoff Coefficient, C ¹			
DMA 1	1	0.89			
DMA 5	1	0.89			
¹ Equation 4, County of San Luis Obispo Post-Construction Stormwater Guidebook					
Tributary Area, A					
DMA	Tributary Area (sf)	sf per ac	Tributary Area (ac)		
DMA 1	2,500	43,560	0.057		
DMA 5	2,500	43,560	0.057		
Equations Used					
WQF = C x i x A					
where					
WQF = runoff rate generated by the 85th percentile 24-hour storm event (cfs)					
C = runoff coefficient – from PPDG Section 5.3					
i = WQF rainfall intensity (in/hr) – from PPDG Section 5.3					
A = portion of the CDA to the Biofiltration Swale not infiltrated (acres)					
From Section 3.1.2, Caltrans Stormwater Quality Handbooks: Biofiltration Swale Design Guidance					
The runoff coefficient 'C' is calculated for each DMA using Equation 4.					
Equation 4: Impervious ratio (i) to Runoff coefficient 'C' equation.					
$0.858i^3 - 0.78i^2 + 0.774i + 0.04 = \text{Runoff Coefficient C}$					
Where i = the fraction of the DMA that is impervious					
Equation 4, County of San Luis Obispo Post-Construction Stormwater Guidebook					



APPENDIX E
 EXAMPLE PROJECT Main Street Park and Ride Lot, Anytown

Bioswale Hydraulic Calculations									
Bioswale Parameters (Trapezoid)									
SCM ID	Base Width b (ft) ¹	Side Slope z ¹	Manning's n ²	Slope S (%) ¹	Length L (ft)	Water Quality Flow Q (cfs)			
SCM 1	3	4	0.24	1.00%	54	0.010			
SCM 5	3	4	0.24	1.00%	72	0.010			
¹ Table 16, County of San Luis Obispo Post-Construction Stormwater Guidebook									
² Table 2-1, Caltrans Stormwater Quality Handbooks: Biofiltration Swale Design Guidance									
Depth and Velocity (Trapezoid)									
SCM ID	Depth y (in) ¹	Depth y (ft)	Area A (sqft)	Perimeter P (ft)	Hy Radius R (ft)	Calculated Flow Q (cfs) ¹	Velocity V (fps) ²	Hyd. Residence Time HRT (min) ³	Minimum Length L _{min} (ft) ⁴
SCM 1	0.52	0.043	0.14	3.36	0.041	0.010	0.07	12.2	22
SCM 5	0.52	0.043	0.14	3.36	0.041	0.010	0.07	16.3	22
¹ Solve for depth to set Calculated Flow equal to Water Quality Flow, Max of 6 in: Table 2-1 Caltrans Stormwater Quality Handbooks: Biofiltration Swale Design Guidance									
² Max of 1 fps: Table 16, County of San Luis Obispo Post-Construction Stormwater Guidebook									
³ Min of 5 min: Table 16, County of San Luis Obispo Post-Construction Stormwater Guidebook									
⁴ Equation 9, County of San Luis Obispo Post-Construction Stormwater Guidebook									
Equations Used									
$Q = (1.49/n) \times A \times R^{2/3} \times S^{1/2}$									
where									
Q = flow at defined event, Q _{WQF} or Q ₂₅ , (cfs)									
n = Manning's coefficient; recommend using "n" = 0.24 for Q _{WQF} and 0.05 for Q ₂₅									
A = Cross-sectional area of the flow in the channel									
R = Hydraulic Radius = "A" / Wetted Perimeter ("P") ²									
S = longitudinal slope (ft/ft)									
From Section 3.2.1, Caltrans Stormwater Quality Handbooks: Biofiltration Swale Design Guidance									
Section	Area A	Wetted Perimeter P	Hydraulic Radius R						
 RECTANGLE	by	b + 2y	$\frac{by}{b + 2y}$						
 TRAPEZOID	(b + zy)y	$b + 2y\sqrt{1 + z^2}$	$\frac{(b + zy)y}{b + 2y\sqrt{1 + z^2}}$						
 TRIANGLE	zy ²	$2y\sqrt{1 + z^2}$	$\frac{zy}{2\sqrt{1 + z^2}}$						
From Table 2-1 Open-Channel Hydraulics, Ven Te Chow									
Equation 9: Vegetated swale minimum length calculation									
L = 300 (V _{wq})									
L = Minimum swale length (feet)									
V _{wq} = Design flow velocity (ft/sec)									
The 300 seconds multiplier determines the swale length necessary to achieve a hydraulic residence time of at least 5 minutes. Velocity should be calculated using the Manning's equation.									
From Equation 9, County of San Luis Obispo Post-Construction Stormwater Guidebook									

Attachment 3: Non-retention Based Treatment System Documentation

Not Applicable.

EXAMPLE

Attachment 4: LID Opportunities and Constraints Checklist

Existing Vegetation

Preserve or minimize disturbance to existing natural vegetated features. Designs that integrate natural features of the project site are better at mimicking pre-development runoff characteristics. Effective management of both existing and proposed site vegetation can reduce a development’s impact on stormwater runoff quality and quantity.

<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<i>Existing, high-quality vegetation has been identified and noted on the Opportunity and Constraints Map. Access to these areas will be restricted during construction.</i>
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<i>Existing trees have been identified and noted on the Opportunity and Constraints Map. The location of tree protection fencing is identified to restrict site disturbance and protect these locations during construction.</i>
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<i>Notes have been included on the corresponding site plans in areas where highly visible temporary fencing shall be placed around vegetation and tree areas that are to be preserved during construction.</i>

Survey and Site Topography

Identify opportunities and constraints within site topography and natural drainage patterns that can be incorporated into the design. Integrating existing drainage patterns into the site plan can maintain a site’s predevelopment hydrologic function and will result in lower construction costs over sites that modify site topography and develop new drainage patterns.

<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>The site has been surveyed and a topographic base file has been created to identify topography and natural drainage patterns.</i>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>Existing low-spots and sumps within the topography have been identified on the Opportunity and Constraints Map. These areas will be preserved and utilized as BMP locations where technically feasible.</i>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>Existing high-spots within the topography have been identified on the Opportunity and Constraints Map. These areas be preserved for placement of structures or hardscapes where feasible, allowing runoff to drain to low lying areas for treatment.</i>
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<i>Areas within 50 feet from the top of slopes that are greater than 20% and over 10 feet of vertical relief have been identified on the Opportunity and Constraints Map. Notes on the map indicate that SCMs are not authorized within these areas.</i>

Soil Analysis

Native undisturbed soils have a complex matrix created by the growth and decay of plant roots, earthworms, and insect activity. Topsoil stripping and stockpiling destroys soil structure and diminishes natural biological activity. Avoid and limit unnecessary site disturbances during construction. Plan LID and SCM placement where soils support infiltration (Soil Groups A and B). To the extent feasible, plan buildings and structures and hardscapes placement where soils discourage infiltration (Soil Group C and D).

APPENDIX E EXAMPLE PROJECT: Main Street Park and Ride Lot, Anytown

<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>Locations where soils encourage infiltration (Soil Group A and B) have been identified on the Opportunity and Constraints Map. Where feasible, these areas have been preserved or dedicated to SCM locations.</i>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>Locations where soils discourage infiltration (Soil Group C and D) have been identified on the Opportunity and Constraints Map. Where feasible, these locations have been dedicated to the proposed project improvements such as structures and hardscapes, or contractor staging and equipment storage areas, etc.</i>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>Locations where existing structures and hardscapes will be removed during construction (exposing highly compacted soils) have been identified on the Opportunity and Constraints Map. Placement of SCMs has been avoided in these areas.</i>

Geotechnical Analysis

Data from the preliminary geotechnical analysis or soil borings should be evaluated to support identification of opportunities and constraints. These areas should be specifically identified with limits noted on the Opportunities and Constraints Map.

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>The site contains areas designated as an erosion hazard, or landslide hazard.</i>
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>The site contains groundwater that drains into an erosion hazard, or landslide hazard area.</i>
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>The geotechnical report identified contaminated soils:</i> <input type="checkbox"/> <i>These soils will be removed during construction.</i> <input type="checkbox"/> <i>These soils will remain in place during construction.</i>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>The groundwater table elevation (including seasonally high and historically high) has been determined.</i>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>The seasonally high groundwater table elevation is at least 10-feet below the proposed invert elevations of the proposed SCMs.</i>
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<i>Fractured bedrock identified through geotechnical testing is below the proposed invert elevations of the proposed SCMs.</i>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>Infiltration testing has been performed onsite at the proposed SCM locations and the geotechnical report has identified that the site is suitable for infiltration.</i>

Setbacks

Establish setbacks and buffer zones surrounding restricted and/or sensitive areas. Identify all areas where SCMs cannot be constructed due to setback requirements. Examples include existing and proposed building foundations, municipal water wells, private water wells, septic systems, easements, etc.

<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<i>Private potable water wells in the vicinity have been identified (onsite and offsite) and a minimum offset radius has been established indicating where infiltration SCMs are not authorized.</i>
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APPENDIX E EXAMPLE PROJECT: Main Street Park and Ride Lot, Anytown

<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<i>Municipal potable water wells in the vicinity have been identified (onsite and offsite) and a minimum 100 foot offset radius has been established indicating where infiltration based SCMs are not authorized.</i>
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<i>Within the Coastal Zone, a setback of 100 feet has been established from the upland extent of riparian vegetation. The limits of these setbacks are indicated on the Opportunity and Constraints map.</i>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>Within the Urban Reserve Lines, a setback of 50 feet has been established from the upland extent of riparian vegetation. The limits of these setbacks are indicated on the Opportunity and Constraints map.</i>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>A setback of either 5 or 10 feet has been established from all property lines to SCMs and the limits of these setbacks have been indicated on the Opportunity and Constraints Map.</i>
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<i>A setback of either 5 or 10 feet has been established from all existing and proposed building foundations with notes indicating infiltration SCMs are not authorized within these limits.</i>

Hydrology Features

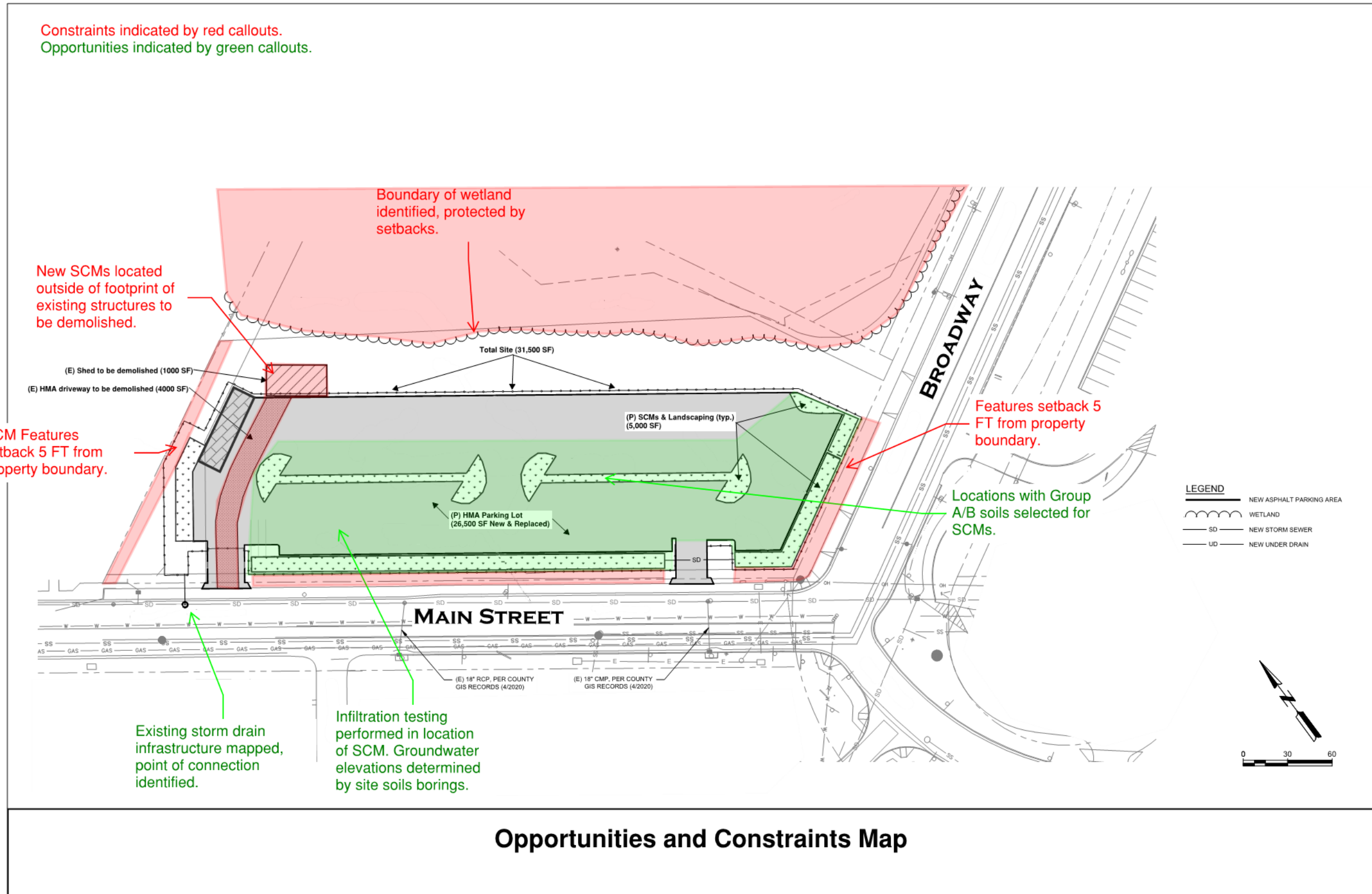
Identify onsite and offsite downstream waterways, including creeks, wetlands, watercourse, seeps, riparian zones areas of 100-year flood inundation, potential stormwater run-on locations and depths to groundwater. All areas of hydrologic importance should be delineated at the earliest stage in the development planning process.

<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>Hydrological features such as creeks, wetlands, riparian zones, etc. have been identified and incorporated into the Opportunity and Constraints Map.</i> ✓ <i>Notes have been added to the Opportunity and Constraint Map indicating that these areas will be protected by exclusionary fencing during construction to prevent resource damage.</i>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>The pre-developed site drainage pathways have been identified and the limits of these features have been placed onto the Opportunities and Constraints Map.</i>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>Existing storm drain infrastructure, including potential points of connection have been identified and placed onto the Opportunities and Constraints Map.</i>
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<i>Stormwater run-on locations have been identified and placed onto the Opportunities and Constraints Map.</i>

Hazardous Areas & Pollutants of Concern (POCs)

Identify locations where existing or future pollutants may occur onsite and identify features that may prevent these pollutants from being exposed to stormwater runoff. Examples include chemical storage locations, fueling stations, and industrial operation areas.

<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<i>Existing hazardous storage areas and POC sources have been identified and placed onto the Opportunities and Constraints Map.</i>
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<i>Proposed hazardous storage areas and POC sources have been identified and placed onto the Opportunities and Constraints Map.</i>



Attachment 5: Draft SCM Operations & Maintenance Forms

EXAMPLE

APPENDIX E EXAMPLE PROJECT: Main Street Park and Ride Lot, Anytown

RECORDING REQUESTED BY:

County of San Luis Obispo
Planning and Building Department

WHEN RECORDED, PLEASE RETURN TO

(SYSTEM OWNER ADDRESS)

General Land Development Company
1234 Washing Street
Anytown, CA 55555

AGREEMENT

County of San Luis Obispo
Private Stormwater Management System
Operation and Maintenance

Condition Compliance Monitoring Permit #: CCM2023-00024

Property Address: 123 Main Street, Anytown, CA

(Street No. & Street Name, City)

Property APN #: 123-45-789

Building Permit #: CBLD2023-12345

Project Description *(hereinafter referred to as "PROJECT"):*

Construct new parking lot on undeveloped parcel.

Legal Description: Refer to Exhibit A, attached hereto

System Description: Refer to Exhibit B, attached hereto

This Agreement is made and entered into in San Luis Obispo, California, this 1 day of June, 2024, by and between General Land Development Company (hereinafter referred to as "OWNER") and the County of San Luis Obispo, located in the State of California, (hereinafter referred to as "County"). This Agreement is made in accordance with existing codes and regulations and in accordance with the approved PROJECT Stormwater Control Plan and specifications on file at the County (hereinafter collectively referred to as "PLANS") with respect to the following recitals:

APPENDIX E EXAMPLE PROJECT: Main Street Park and Ride Lot, Anytown

RECITALS:

The undersigned OWNER of the real property referenced above, hereby covenants with County to utilize on-site stormwater management systems (i.e. structural and/or non-structural) to minimize runoff and pollutants in stormwater runoff and to provide permanent storm drainage maintenance to control, manage, retain, treat, infiltrate and dispose of (1) on-site storm drainage for the PROJECT and (2) ancillary street and site drainage from the adjoining street and sites, as stipulated in the PLANS and in the Stormwater Control Plan on file at the County (hereinafter referred to as "Stormwater Control Plan"). The storm drainage improvements shown and described in Exhibit B are hereinafter referred to as the "SYSTEM".

OWNER is solely responsible for adhering to the requirements set forth in the Stormwater Control Plan and agrees to the following conditions in compliance with all local, state, federal laws and regulations and according to the PLANS and Stormwater Control Plan:

1. **MAINTENANCE:** OWNER shall **maintain** the SYSTEM as required in the Stormwater Control Plan and any specifications included in Exhibit B.
2. **MONITORING:** OWNER shall **monitor** the SYSTEM as required in the Stormwater Control Plan and any specifications included in Exhibit B.
3. **INSPECTIONS:** OWNER shall **routinely inspect** the SYSTEM as required in the Stormwater Control Plan and any specifications included in Exhibit B.
4. **CLEANINGS:** OWNER shall **routinely clean** the SYSTEM as required in the Stormwater Control Plan and any specifications included in Exhibit B.
5. **REPAIRS:** OWNER shall repair the **SYSTEM** as required in the Stormwater Control Plan.
6. **DOCUMENT, REPORT, AND FEES:** OWNER shall document all maintenance, monitoring, inspections, cleanings, and repairs made to the SYSTEM in the annual report submitted to County by June 15th of each year in a format approved by County. System Owners will be subject to a Stormwater Annual Inspection and Reporting fee (SWI) based on current County of San Luis Obispo Planning and Building Fee Schedule. Payment of Fee due by June 15th of each year.
7. **COUNTY'S RIGHTS & AUTHORITY: Pursuant to San Luis Obispo County Code Title 22.10.155,** County has the right and authority to inspect the SYSTEM to determine compliance with this agreement (i.e. maintenance, monitoring, inspections, cleanings, repairs, documentation and reporting) which may result in enforcement activities and/or abatement if necessary pursuant to applicable laws and regulations. OWNER hereby consents to County conducting said inspections between the hours of 8:00 a.m. through 5:00 p.m., Mondays through Fridays. This Agreement shall not be construed as precluding County from conducting inspections, which may be necessary due to an emergency.
8. **FAILURE TO MAINTAIN, CLEAN AND/OR REPAIR SYSTEM:** Failure to maintain, monitor, inspect, clean, repair, or document and report as required herein shall constitute a public nuisance. The County may remedy such public nuisance through any of the applicable procedures as set forth in the County of San Luis Obispo Code, and/or may pursue any other

APPENDIX E EXAMPLE PROJECT: Main Street Park and Ride Lot, Anytown

legal or equitable remedies to abate such public nuisance.

- 9. **INDEMNIFICATION:** Owner further agrees to defend, indemnify, protect and hold the County and its agents, officers and employees harmless from and against any and all claims asserted or liability established for damages or injuries to any person or property, including to Owner’s tenants, guests, invitees, agents or employees, which arise from or are connected with or caused or claimed by the acts or omissions of Owner, and its agents, employees or contractors, in performing the obligations specified herein, and all expenses of investigating and defending against same; provided, however, that Owner’s duty to indemnify and hold harmless all not include any claims or liability arising from the established sole negligence or willful misconduct of the County, its agents, officers or employees.
- 10. **BINDING ON FUTURE OWNERS:** This covenant shall run with the land and shall be binding upon the undersigned owners, their heirs, executors, administrators, assigns and successors in interest.
- 11. **RECORDING OF AGREEMENT:** This Agreement shall be recorded in the office of the San Luis Obispo County Recorder, and such recordation shall serve as notice of the restrictions and obligations contained herein to be performed and observed by Owner and the successors in interest to all or any portion of Owner's Property.
- 12. **NOTICES:** Any notice, demand, request, consent, approval or communication to OWNER under this Agreement (hereinafter collectively referred to as “Notices”) shall be in writing and either served personally or sent by prepaid, first-class mail to the person and address set forth below. Alternately, OWNER may elect to have Notices sent by e-mail if indicated below and an e-mail address is provided. OWNER shall notify County of any change in address, e-mail, or transfer of ownership. Any notice shall be deemed to be effective five calendar days after the date mailed or, if applicable, on the same date the notice was e-mailed.

Jane Doe	1234 Washington Street
System Owner <i>(Printed Name)</i>	Owner’s Street Address
President	Anytown, CA 55555
Business Affiliation and Title <i>(if applicable)</i>	Owner’s City/State, Zip Code
6/1/2024	Jane@email.com
Date	Owner’s Email Address:

I agree to receive Notices by e-mail: Yes No

APPENDIX E EXAMPLE PROJECT: Main Street Park and Ride Lot, Anytown

OWNER:

Jane Doe 6/1/2024
System Owner (Signature) Date

Jane Doe
System Owner (Printed Name)

President
Business Affiliation and Title (if applicable)

ACKNOWLEDGMENT

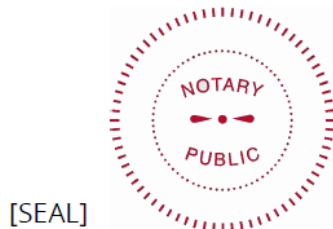
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) ss.
COUNTY OF SAN LUIS OBISPO)

On June 1, 2024, before me, Notary Name, a Notary Public, in and for the State of California, personally appeared Jane Doe, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Notary Name
Signature of Notary Public

Exhibit A
Property Legal Description in Full

LEGAL DESCRIPTION

Real property in the unincorporated area of the County of San Luis Obispo, State of California, described as follows:

PARCEL A:

A PORTION OF PARCEL MAP CO-78-215 SITUATED IN THE COUNTY OF SAN LUIS OBISPO, STATE OF CALIFORNIA, AS SHOWN ON A MAP RECORDED IN BOOK 28 OF PARCEL MAPS PAGE 84 IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY AND BEING DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT BEING THE MOST NORTH WESTERLY CORNER OF PARCEL 2 ACCORDING TO SAID PARCEL MAP; THENCE NORTH 89° 57' 27" EAST 1272.35 FEET TO A POINT BEING THE MOST NORTH EASTERLY CORNER OF SAID PARCEL 2 OF SAID PARCEL MAP; THENCE SOUTH 00° 42' 10" WEST 209.17 FEET ALONG THE EASTERLY LINE OF SAID PARCEL TO THE TRUE POINT OF BEGINNING;
THENCE SOUTH 00° 42' 10" WEST 475.60 FEET TO A POINT;
THENCE NORTH 89° 57' 27" EAST 1176.38 FEET TO A POINT TO EAST BOUNDARY;
THENCE NORTH 29° 15' 25" EAST ALONG THE EAST BOUNDARY 109.55 FEET TO A POINT ON THE SOUTHERLY RIGHT-OF-WAY OF BUCKLEY ROAD AS SHOWN ON A MAP FILED WITH THE COUNTY RECORDER'S OFFICE OF SAID COUNTY IN BOOK 80 AT PAGE 2 OF LICENSED SURVEYS; SAID POINT BEING ON A CURVE TO THE RIGHT, CONCAVE TO THE NORTH, HAVING A RADIUS OF 805.00 FEET AND A RADIAL OF NORTH 25° 46' 21" EAST; THENCE NORTHWESTERLY ALONG SAID CURVE 130.26 FEET TO A POINT ON SAID RIGHT-OF- WAY;
THENCE CONTINUING ALONG SAID RIGHT-OF-WAY NORTH 55° 00' 12" WEST 457.45 FEET;
THENCE NORTH 59° 24' 08" WEST 65.19 FEET TO A POINT ON SAID RIGHT-OF-WAY;
THENCE NORTH 82° 51' 18" WEST 99.34 FEET TO A POINT ON SAID RIGHT-OF-WAY;
THENCE LEAVING SAID RIGHT-OF-WAY NORTH 89° 28' 18" WEST 582.49 FEET TO THE TRUE POINT OF BEGINNING.

PURSUANT TO LOT LINE ADJUSTMENT RECORDED MAY 16, 2007 AS DOCUMENT NO. 2007033357, SAN LUIS OBISPO COUNTY OFFICIAL RECORDS.

APPENDIX E EXAMPLE PROJECT: Main Street Park and Ride Lot, Anytown

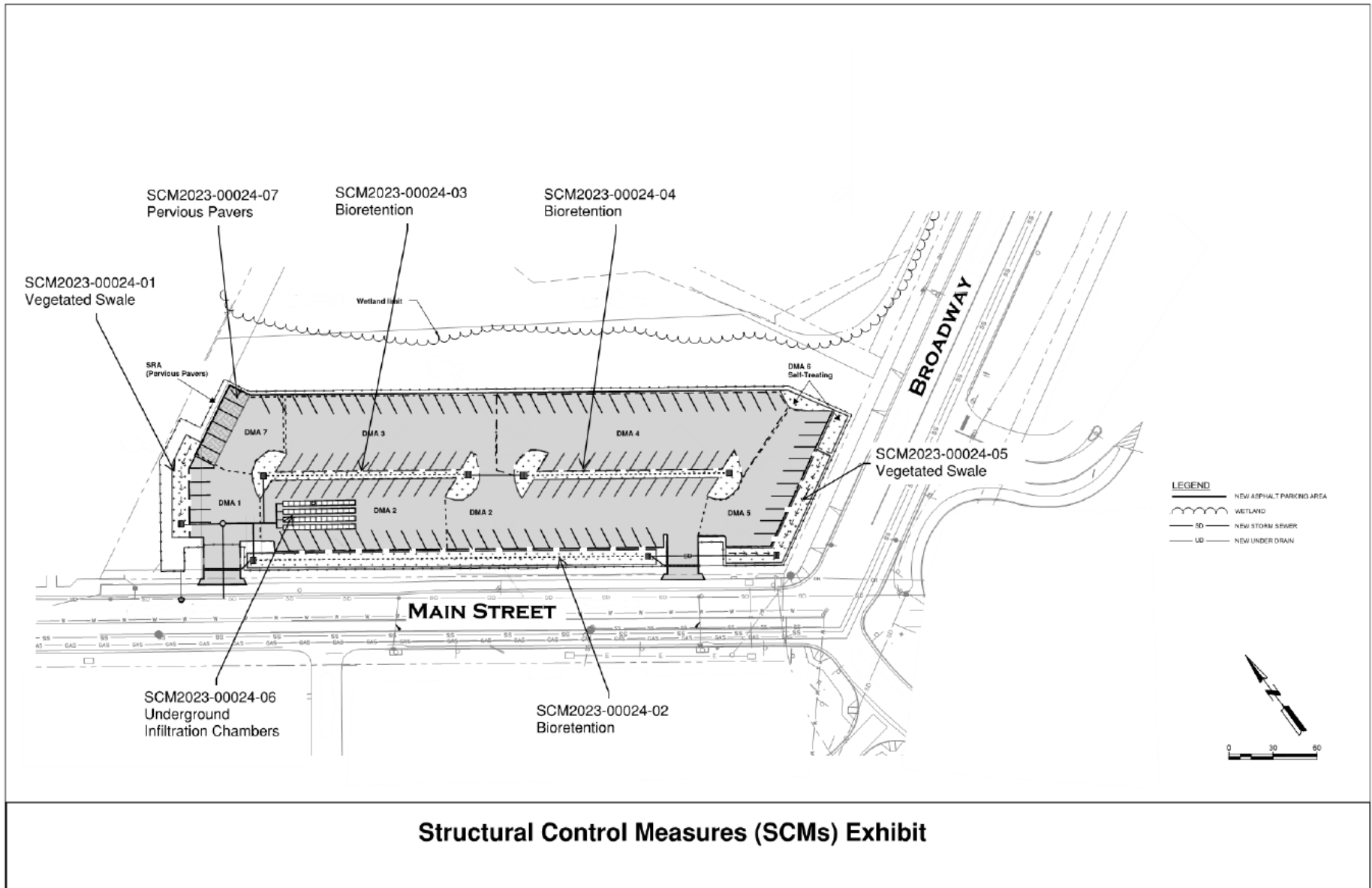


Exhibit B: Stormwater Control Measure (SCM) Description

SCM#: 2023-00024-01

1. Performance Requirement Addressed <i>(check all that apply):</i>	<input checked="" type="checkbox"/> Water Quality Treatment (Performance Requirement #2) <input checked="" type="checkbox"/> Runoff Retention (Performance Requirement #3) <input checked="" type="checkbox"/> Peak Management (Performance Requirement #4)		
2. Type of SCM Installed:	<input type="checkbox"/> Biofiltration/Bioretenion <input checked="" type="checkbox"/> Vegetated Swale <input type="checkbox"/> Vegetated Buffer Strip <input type="checkbox"/> Filtration Device <input type="checkbox"/> Infiltration Feature <input type="checkbox"/> Pervious Pavement <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Detention Basin <input type="checkbox"/> Media Filter <input type="checkbox"/> Treatment Vault		
3. Location of SCM <i>(Complete ALL fields)</i>	Location: <input checked="" type="checkbox"/> Onsite <input type="checkbox"/> Offsite		Contributing Impervious Area (ft ²): 2500
Narrative Location Description: Vegetated swale along northwest edge of property.			
Drainage Management Area (DMA) Number:		1	Drainage Area Treated (acres): 0.06
Latitude: 35.240612		Longitude: -120.641442	
4. Drainage Design Criteria: <i>(As applicable):</i>	Design Storm Flow (cfs):		
Design Storm Capacity (ft ³):			
5. Design Details <i>(As applicable):</i>	Width (ft ²): 3	Slope (ft/ft): 0	
Depth (ft): 1		SCM Capacity/Volume (ft ³): 54	
Length (ft): 54		Surface Area (ft ²): 54	
Is this SCM subsurface?		<input type="radio"/> YES <input checked="" type="radio"/> NO	SCM Vegetated? <input checked="" type="radio"/> YES <input type="radio"/> NO
Design Vegetation Height (ft): 1		Does this SCM involve a manufactured product? <input type="radio"/> YES <input checked="" type="radio"/> NO	
6. Manufactured Product Specifications: <i>(Include manuals and specifications)</i>	Product Name:		
Manufacturer/Model Number:			
Total Number Installed Onsite:			
Estimated Product Life:			
7. Maintenance and Inspection Frequency:	Inspection Frequency:	<input type="checkbox"/> Pre-Rain <input checked="" type="checkbox"/> Monthly <input checked="" type="checkbox"/> Semi-Annually <input checked="" type="checkbox"/> Annually	
Maintenance Frequency:		<input type="checkbox"/> Monthly <input type="checkbox"/> Semi-Annually <input type="checkbox"/> Annually <input checked="" type="checkbox"/> Biennially	

Exhibit B: Stormwater Control Measure (SCM) Description

SCM#: 2023-00024-02

1. Performance Requirement Addressed <i>(check all that apply):</i>	<input checked="" type="checkbox"/> Water Quality Treatment (Performance Requirement #2) <input checked="" type="checkbox"/> Runoff Retention (Performance Requirement #3) <input checked="" type="checkbox"/> Peak Management (Performance Requirement #4)		
2. Type of SCM Installed:	<input checked="" type="checkbox"/> Biofiltration/Bioretenation <input type="checkbox"/> Vegetated Swale <input type="checkbox"/> Vegetated Buffer Strip <input type="checkbox"/> Filtration Device <input type="checkbox"/> Infiltration Feature <input type="checkbox"/> Pervious Pavement <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Detention Basin <input type="checkbox"/> Media Filter <input type="checkbox"/> Treatment Vault		
3. Location of SCM <i>(Complete ALL fields)</i>	Location: <input checked="" type="checkbox"/> Onsite <input type="checkbox"/> Offsite		Contributing Impervious Area (ft ²): 10000
Narrative Location Description: Bioretention basin along south edge of property.			
Drainage Management Area (DMA) Number:		1	Drainage Area Treated (acres): 0.23
Latitude: 35.240337		Longitude: -120.641052	
4. Drainage Design Criteria: <i>(As applicable):</i>	Design Storm Flow (cfs):		
Design Storm Capacity (ft ³):		871 PR2, 1504 PR3	
5. Design Details <i>(As applicable):</i>	Width (ft ²):		Slope (ft/ft):
Depth (ft):		SCM Capacity/Volume (ft ³):	1650
Length (ft):		Surface Area (ft ²): 1650	
Is this SCM subsurface?		<input type="radio"/> YES <input checked="" type="radio"/> NO	SCM Vegetated? <input checked="" type="radio"/> YES <input type="radio"/> NO
Design Vegetation Height (ft):		1	Does this SCM involve a manufactured product? <input type="radio"/> YES <input checked="" type="radio"/> NO
6. Manufactured Product Specifications: <i>(Include manuals and specifications)</i>	Product Name:		
Manufacturer/Model Number:			
Total Number Installed Onsite:			
Estimated Product Life:			
7. Maintenance and Inspection Frequency:	Inspection Frequency:	<input type="checkbox"/> Pre-Rain <input checked="" type="checkbox"/> Monthly <input checked="" type="checkbox"/> Semi-Annually <input checked="" type="checkbox"/> Annually	
Maintenance Frequency:		<input type="checkbox"/> Monthly <input type="checkbox"/> Semi-Annually <input checked="" type="checkbox"/> Annually <input checked="" type="checkbox"/> Biennially	

Exhibit B: Stormwater Control Measure (SCM) Description

SCM#: 2023-00024-03

1. Performance Requirement Addressed <i>(check all that apply):</i>	<input checked="" type="checkbox"/> Water Quality Treatment (Performance Requirement #2) <input checked="" type="checkbox"/> Runoff Retention (Performance Requirement #3) <input checked="" type="checkbox"/> Peak Management (Performance Requirement #4)			
	<input checked="" type="checkbox"/> Biofiltration/Bioretenion <input type="checkbox"/> Filtration Device <input type="checkbox"/> Infiltration Basin			
2. Type of SCM Installed:	<input type="checkbox"/> Vegetated Swale <input type="checkbox"/> Infiltration Feature <input type="checkbox"/> Detention Basin			
	<input type="checkbox"/> Vegetated Buffer Strip <input type="checkbox"/> Pervious Pavement <input type="checkbox"/> Media Filter <input type="checkbox"/> Treatment Vault			
3. Location of SCM <i>(Complete ALL fields)</i>	Location: <input type="checkbox"/> Onsite <input type="checkbox"/> Offsite		Contributing Impervious Area (ft ²): 5000	
	Narrative Location Description: Bioretention basin parking island west side.			
	Drainage Management Area (DMA) Number:	3	Drainage Area Treated (acres):	0.11
	Latitude: 35.240509		Longitude: -120.641186	
4. Drainage Design Criteria: <i>(As applicable):</i>	Design Storm Flow (cfs):			
	Design Storm Capacity (ft ³):		435 PR2, 752 PR3	
5. Design Details <i>(As applicable):</i>	Width (ft ²):		Slope (ft/ft):	0
	Depth (ft):		SCM Capacity/Volume (ft ³):	900
	Length (ft):		Surface Area (ft ²):	900
	Is this SCM subsurface?	<input type="radio"/> YES <input checked="" type="radio"/> NO	SCM Vegetated?	<input checked="" type="radio"/> YES <input type="radio"/> NO
	Design Vegetation Height (ft):	1	Does this SCM involve a manufactured product?	<input type="radio"/> YES <input checked="" type="radio"/> NO
6. Manufactured Product Specifications: <i>(Include manuals and specifications)</i>	Product Name:			
	Manufacturer/Model Number:			
	Total Number Installed Onsite:			
	Estimated Product Life:			
7. Maintenance and Inspection Frequency:	Inspection Frequency:	<input type="checkbox"/> Pre-Rain <input checked="" type="checkbox"/> Monthly <input checked="" type="checkbox"/> Semi-Annually <input checked="" type="checkbox"/> Annually		
	Maintenance Frequency:	<input type="checkbox"/> Monthly <input type="checkbox"/> Semi-Annually <input checked="" type="checkbox"/> Annually <input checked="" type="checkbox"/> Biennially		

Exhibit B: Stormwater Control Measure (SCM) Description

SCM#: 2023-00024-04

1. Performance Requirement Addressed <i>(check all that apply):</i>	<input checked="" type="checkbox"/> Water Quality Treatment (Performance Requirement #2)	<input checked="" type="checkbox"/> Runoff Retention (Performance Requirement #3)	<input checked="" type="checkbox"/> Peak Management (Performance Requirement #4)
2. Type of SCM Installed:	<input checked="" type="checkbox"/> Biofiltration/Bioretenention <input type="checkbox"/> Filtration Device <input type="checkbox"/> Infiltration Basin	<input type="checkbox"/> Vegetated Swale <input type="checkbox"/> Infiltration Feature <input type="checkbox"/> Detention Basin	<input type="checkbox"/> Vegetated Buffer Strip <input type="checkbox"/> Pervious Pavement <input type="checkbox"/> Media Filter <input type="checkbox"/> Treatment Vault
3. Location of SCM <i>(Complete ALL fields)</i>	Location: <input checked="" type="checkbox"/> Onsite <input type="checkbox"/> Offsite		Contributing Impervious Area (ft ²):
Narrative Location Description: Bioretention basin parking island east side.			
Drainage Management Area (DMA) Number:		4	Drainage Area Treated (acres):
Latitude: 35.240285		Longitude: -120.640567	
4. Drainage Design Criteria: <i>(As applicable):</i>	Design Storm Flow (cfs):		
Design Storm Capacity (ft ³):		871 PR2, 1504 PR3	
5. Design Details <i>(As applicable):</i>	Width (ft ²):		Slope (ft/ft): 0
Depth (ft):			SCM Capacity/Volume (ft ³): 900
Length (ft):			Surface Area (ft ²): 900
Is this SCM subsurface?		<input type="radio"/> YES <input checked="" type="radio"/> NO	SCM Vegetated? <input checked="" type="radio"/> YES <input type="radio"/> NO
Design Vegetation Height (ft):		1	Does this SCM involve a manufactured product? <input type="radio"/> YES <input checked="" type="radio"/> NO
6. Manufactured Product Specifications: <i>(Include manuals and specifications)</i>	Product Name:		
Manufacturer/Model Number:			
Total Number Installed Onsite:			
Estimated Product Life:			
7. Maintenance and Inspection Frequency:	Inspection Frequency:	<input type="checkbox"/> Pre-Rain <input checked="" type="checkbox"/> Monthly <input checked="" type="checkbox"/> Semi-Annually <input checked="" type="checkbox"/> Annually	
Maintenance Frequency:		<input type="checkbox"/> Monthly <input type="checkbox"/> Semi-Annually <input checked="" type="checkbox"/> Annually <input checked="" type="checkbox"/> Biennially	

Exhibit B: Stormwater Control Measure (SCM) Description

SCM#: 2023-00024-05

1. Performance Requirement Addressed <i>(check all that apply):</i>	<input checked="" type="checkbox"/> Water Quality Treatment (Performance Requirement #2) <input checked="" type="checkbox"/> Runoff Retention (Performance Requirement #3) <input checked="" type="checkbox"/> Peak Management (Performance Requirement #4)			
	<input type="checkbox"/> Biofiltration/Bioretenion <input checked="" type="checkbox"/> Vegetated Swale <input type="checkbox"/> Vegetated Buffer Strip <input type="checkbox"/> Filtration Device <input type="checkbox"/> Infiltration Feature <input type="checkbox"/> Pervious Pavement <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Detention Basin <input type="checkbox"/> Media Filter <input type="checkbox"/> Treatment Vault			
3. Location of SCM <i>(Complete ALL fields)</i>	Location: <input checked="" type="checkbox"/> Onsite <input type="checkbox"/> Offsite		Contributing Impervious Area (ft ²): 2500	
	Narrative Location Description: Biofiltration basin on east side of property.			
	Drainage Management Area (DMA) Number:	5	Drainage Area Treated (acres):	0.06
	Latitude: 35.240153		Longitude: -120.640332	
4. Drainage Design Criteria: <i>(As applicable):</i>	Design Storm Flow (cfs):			
	Design Storm Capacity (ft ³):		100 PR2	
5. Design Details <i>(As applicable):</i>	Width (ft ²):	3	Slope (ft/ft):	
	Depth (ft):	1	SCM Capacity/Volume (ft ³):	72
	Length (ft):	72	Surface Area (ft ²):	72
	Is this SCM subsurface?	<input type="radio"/> YES <input checked="" type="radio"/> NO	SCM Vegetated?	<input checked="" type="radio"/> YES <input type="radio"/> NO
	Design Vegetation Height (ft):	1	Does this SCM involve a manufactured product?	<input type="radio"/> YES <input checked="" type="radio"/> NO
6. Manufactured Product Specifications: <i>(Include manuals and specifications)</i>	Product Name:			
	Manufacturer/Model Number:			
	Total Number Installed Onsite:			
	Estimated Product Life:			
7. Maintenance and Inspection Frequency:	Inspection Frequency:	<input type="checkbox"/> Pre-Rain <input checked="" type="checkbox"/> Monthly <input checked="" type="checkbox"/> Semi-Annually <input checked="" type="checkbox"/> Annually		
	Maintenance Frequency:	<input type="checkbox"/> Monthly <input type="checkbox"/> Semi-Annually <input checked="" type="checkbox"/> Annually <input checked="" type="checkbox"/> Biennially		

Exhibit B: Stormwater Control Measure (SCM) Description

SCM#: 2023-00024-06

1. Performance Requirement Addressed <i>(check all that apply):</i>	<input checked="" type="checkbox"/> Water Quality Treatment (Performance Requirement #2) <input checked="" type="checkbox"/> Runoff Retention (Performance Requirement #3) <input checked="" type="checkbox"/> Peak Management (Performance Requirement #4)				
	<input type="checkbox"/> Biofiltration/Bioretenion <input type="checkbox"/> Vegetated Swale <input type="checkbox"/> Vegetated Buffer Strip <input type="checkbox"/> Filtration Device <input checked="" type="checkbox"/> Infiltration Feature <input type="checkbox"/> Pervious Pavement <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Detention Basin <input type="checkbox"/> Media Filter <input type="checkbox"/> Treatment Vault				
3. Location of SCM <i>(Complete ALL fields)</i>	Location: <input checked="" type="checkbox"/> Onsite <input type="checkbox"/> Offsite		Contributing Impervious Area (ft ²): 25000		
	Narrative Location Description: Underground infiltration chambers in southwest corner of parking lot				
	Drainage Management Area (DMA) Number:	1-5	Drainage Area Treated (acres):	0.57	
	Latitude: 35.240493		Longitude: -120.641346		
4. Drainage Design Criteria: <i>(As applicable):</i>	Design Storm Flow (cfs):				
	Design Storm Capacity (ft ³):				
5. Design Details <i>(As applicable):</i>	Width (ft ²):	40	Slope (ft/ft):	0	
	Depth (ft):		SCM Capacity/Volume (ft ³):	14000	
	Length (ft):	55	Surface Area (ft ²):		
	Is this SCM subsurface?	<input checked="" type="radio"/> YES <input type="radio"/> NO		SCM Vegetated?	<input type="radio"/> YES <input checked="" type="radio"/> NO
	Design Vegetation Height (ft):	0	Does this SCM involve a manufactured product?	<input checked="" type="radio"/> YES <input type="radio"/> NO	
6. Manufactured Product Specifications: <i>(Include manuals and specifications)</i>	Product Name:			ADS	
	Manufacturer/Model Number:			Stormtech MC-3500	
	Total Number Installed Onsite:			4 x 55' long rows	
	Estimated Product Life:			20	
7. Maintenance and Inspection Frequency:	Inspection Frequency:	<input type="checkbox"/> Pre-Rain <input checked="" type="checkbox"/> Monthly <input checked="" type="checkbox"/> Semi-Annually <input checked="" type="checkbox"/> Annually			
	Maintenance Frequency:	<input type="checkbox"/> Monthly <input type="checkbox"/> Semi-Annually <input checked="" type="checkbox"/> Annually <input checked="" type="checkbox"/> Biennially			

Exhibit B: Stormwater Control Measure (SCM) Description

SCM#: 2023-00024-07

1. Performance Requirement Addressed <i>(check all that apply):</i>	<input type="checkbox"/> Water Quality Treatment (Performance Requirement #2) <input type="checkbox"/> Runoff Retention (Performance Requirement #3) <input type="checkbox"/> Peak Management (Performance Requirement #4)			
	<input type="checkbox"/> Biofiltration/Bioretenion <input type="checkbox"/> Vegetated Swale <input type="checkbox"/> Vegetated Buffer Strip <input type="checkbox"/> Filtration Device <input type="checkbox"/> Infiltration Feature <input checked="" type="checkbox"/> Pervious Pavement <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Detention Basin <input type="checkbox"/> Media Filter <input type="checkbox"/> Treatment Vault			
3. Location of SCM <i>(Complete ALL fields)</i>	Location: <input checked="" type="checkbox"/> Onsite <input type="checkbox"/> Offsite		Contributing Impervious Area (ft ²): 0	
	Narrative Location Description: Pervious pavers located in northwest corner of parking lot.			
	Drainage Management Area (DMA) Number:		Drainage Area Treated (acres):	
	Latitude: 35.240663		Longitude: -120.641383	
4. Drainage Design Criteria: <i>(As applicable):</i>	Design Storm Flow (cfs):			
	Design Storm Capacity (ft ³):			
5. Design Details <i>(As applicable):</i>	Width (ft ²):		Slope (ft/ft):	
	Depth (ft):		SCM Capacity/Volume (ft ³):	
	Length (ft):		Surface Area (ft ²):	1500
	Is this SCM subsurface?	<input type="radio"/> YES <input checked="" type="radio"/> NO	SCM Vegetated?	<input type="radio"/> YES <input checked="" type="radio"/> NO
	Design Vegetation Height (ft):	0	Does this SCM involve a manufactured product?	<input checked="" type="radio"/> YES <input type="radio"/> NO
6. Manufactured Product Specifications: <i>(Include manuals and specifications)</i>	Product Name:		Air Vol Block	
	Manufacturer/Model Number:		Permeable Roman Pavers	
	Total Number Installed Onsite:		1500 SF	
	Estimated Product Life:		50 years	
7. Maintenance and Inspection Frequency:	Inspection Frequency:	<input type="checkbox"/> Pre-Rain <input checked="" type="checkbox"/> Monthly <input checked="" type="checkbox"/> Semi-Annually <input checked="" type="checkbox"/> Annually		
	Maintenance Frequency:	<input type="checkbox"/> Monthly <input type="checkbox"/> Semi-Annually <input checked="" type="checkbox"/> Annually <input checked="" type="checkbox"/> Biennially		

SWP-1008
06/01/2024

Private Stormwater System Plans and Manuals

Vegetated Stormwater Control Measures Maintenance Information	
Structural Control Measure (SCM) Maintenance Details	Assigned SCM#: 2023-00024-01, 2023-00024-05
	SCM Feature Type: <input type="checkbox"/> Biofiltration Feature <input type="checkbox"/> Bioretention Feature <input checked="" type="checkbox"/> Vegetated Swale <input type="checkbox"/> Vegetated Buffer Strip
Does the feature utilize vegetation or specialized soil media? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Contact for vendor who can provide replacement plants or soil media: Landscape Vendor
Estimated annual cost for maintenance: \$750	
List vegetation species and soil media type originally installed: Biofiltration Soil Media (BSM) consisting of 60-70% sand and 30-40% compost. For planting schedule and species see Civil or Landscape Plans. Basin vegetation include the following: Iris Douglasiana, Juncus Patens, and Carex Passa.	
Describe short-term maintenance requirements (irrigation schedule, weed control, vegetation height, etc.): Trash removal, weed control, and removal of debris.	
Describe long-term maintenance requirements (litter removal, inlet/outlet maintenance, etc.): Trash removal, BSM replacement, plant replacement, energy dissipater rock replacement, and outlet structure cleaning.	
Contact information for local professional qualified to maintain or repair this SCM: Landscape Vendor	
Additional notes:	

SWP-1008
06/01/2024

Private Stormwater System Plans and Manuals

Vegetated Stormwater Control Measures Maintenance Information	
<i>Structural Control Measure (SCM) Maintenance Details</i>	Assigned SCM#: 2023-00024-02, 2023-00024-03, 2023-00024-04
	SCM Feature Type: <input type="checkbox"/> Biofiltration Feature <input checked="" type="checkbox"/> Bioretention Feature <input type="checkbox"/> Vegetated Swale <input type="checkbox"/> Vegetated Buffer Strip
Does the feature utilize vegetation or specialized soil media? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Contact for vendor who can provide replacement plants or soil media: Landscape Vendor
Estimated annual cost for maintenance: \$750	
List vegetation species and soil media type originally installed: Biofiltration Soil Media (BSM) consisting of 60-70% sand and 30-40% compost. For planting schedule and species see Civil or Landscape Plans. Basin vegetation include the following: Iris Douglasiana, Juncus Patens, and Carex Passa.	
Describe short-term maintenance requirements (irrigation schedule, weed control, vegetation height, etc.): Trash removal, weed control, and removal of debris.	
Describe long-term maintenance requirements (litter removal, inlet/outlet maintenance, etc.): Trash removal, BSM replacement, plant replacement, energy dissipater rock replacement, and outlet structure cleaning.	
Contact information for local professional qualified to maintain or repair this SCM: Landscape Vendor	
Additional notes:	

SWP-1008
06/01/2024

Private Stormwater System Plans and Manuals

Subsurface Stormwater Control Measure Maintenance Information	
<i>Structural Control Measure (SCM) Maintenance Details</i>	Assigned SCM#: 2023-00024-06
	SCM Feature Type: <input type="checkbox"/> Media Filter <input type="checkbox"/> Treatment Vault <input type="checkbox"/> Detention Basin <input checked="" type="checkbox"/> Infiltration Feature/Basin/Chamber
Does the SCM include a proprietary device/structure? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Contact for vendor who can provide replacement parts or maintenance instructions: ADS 1-800-821-6710
Describe short-term maintenance requirements (frequency of replacement or inspection): Removal of trash, sediment, and other debris.	
Estimated annual cost for maintenance: \$1000	
Describe long-term maintenance requirements: Removal of trash, sediment, and other debris. Video inspection and vacuum sediments out of chambers.	
Contact information for local professional qualified to maintain or repair this SCM: Local Vacuum/pump company.	
Additional notes:	

Private Stormwater System Plans and Manuals

Porous Pavement and Catch Basin Insert Maintenance Information	
<i>Structural Control Measure (SCM) Maintenance Details</i>	Assigned SCM#: 2023-00024-07
	SCM Feature Type: <input type="checkbox"/> Porous Concrete <input checked="" type="checkbox"/> Pervious Pavers
Does the SCM include a proprietary device/structure? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Contact for vendor who can provide replacement parts or maintenance instructions: Air Vol Block Inc
Describe short-term maintenance requirements (frequency of filter replacement or inspection): Remove trash and other debris that impedes stormwater infiltration. Replace media between pavers as needed.	
Estimated annual cost for maintenance: \$200	
Describe long-term maintenance requirements: Removal of trash, sediment, and other debris. Sweep and vacuum sediments.	
Contact information for local professional qualified to maintain or repair this SCM: Local Sweep/Vacuum company.	
Additional notes:	



COUNTY OF SAN LUIS OBISPO
DEPARTMENT OF PLANNING & BUILDING

SWP-1003
06/08/2017

Private Stormwater System Owner, Agent, & Designer Information

2023-00024	CBLD2023-12345
Condition Compliance Monitoring (CCM) Case Number (CCM20##-#####)	Building Permit Number (PMT20##-#####)
123 Main Street, Anytown, CA	
Project Address	

SYSTEM OWNER:

General Land Development Company, Jane Doe	
Current Property Owner (Include name of primary contact)	
1234 Washington Street	
Street Address	
Anytown	CA
City	State
55555	(555) 123-4567
Zip Code	Phone Number
Jane@email.com	
Owner Email:	

SYSTEM DESIGNER:

General Civil Engineering Consultants, Inc., John Doe	
Designer Name and Affiliation	
PE 12345	
Designer License Number and Type	
1234 Washington Street	
Street Address	
Anytown	CA
City	State
55555	555-123-4567
Zip Code	Phone Number
John@emal.com	
Designer Email:	

SWP-1003
06/08/2017

Private Stormwater System Owner, Agent, & Designer Information

2023-00024	CBLD2023-12345
Condition Compliance Monitoring (CCM) Case Number (CCM20##-#####)	Building Permit Number (PMT20##-#####)
123 Main Street, Anytown, CA	
Project Address	

PROJECT AGENT (if applicable):

Cool Consultng, Joe Cool	
Agent Name and Affiliation <i>(Include name of primary contact)</i>	
990 Palm Street	
Street Address	
San Luis Obispo	CA
City	State
93401	(555) 555-5555
Zip Code	Phone Number
JC@cool.com	
Agent Email:	

COORDINATING COUNTY REPRESENTATIVE:

Stormwater Program Manger	
County Representative <i>(Printed Name)</i>	
Stormwater Program Manager, Department of Planning and Building	
County Representative Title	
stormwater.scm@co.slo.ca.us	(805) 781-5602
Email	Phone