

### **County of San Diego**

# Stormwater Quality Management Plan (SWQMP) For Priority Development Projects (PDPs)





<b>Project Information</b>		Development type	<b>e</b> □ New d	evelopment	oxtimes Redevelopment
Project Name	me Cottonwood Sand Mining Project				
Project Address	3121 Willow Glen Road, El Cajon, CA 92019				
Assessor's Parcel # (APN)	506-021-19-00, 506-020-52-00, 518-012-13-00, 518-012-14-00, 518-030-05-00, 518-030-06-00 518-030-07-00, 518-030-08-00, 518-030-10-00, 518-030-12-00, 518-030-13-00, 518-030-15-00, 518-030-21-00, 518-030-22-00, 519-010-15-00, 519-010-17-00, 519-010-20-00, 519-010-21-00, 519-010-33-00, 519-010-34-00, 519-010-37-00, and 519-011-03-00				
Permit # / Record ID	PDS2018-MUP-18-023				
Project category (select one)	<ul><li>□ Commercial</li><li>⋈ Industrial</li><li>□ Single family res</li></ul>	[	□ Major su	ıbdivision* ıbdivision* mily residen	tial*
	*If residential, is a	Homeowners Associat	ion (HOA)	proposed?	□ Yes □ No
Project Applicant / Proje	ect Proponent				
Name	Cottonwood Cajon I	ES LLC			
Address	3121 Willow Glen Drive, El Cajon, CA 92019				
Phone	Phone (619) 850-1399 Email: brice@bosslergroup.com				
SWQMP Preparer					No. 46548 6 Exp. 6/30/25
Name	Wayne W. Chang				Exp. 6/30/25
Company (if applicable)	Chang Consultants				ST CIVIL ON
Address	P.O. Box 9496				STE OF CALIFORN
Phone	(858) 692-0760	Email: wayne	e@chango	consultants	.com
PE Number (if applicable)	46548, Exp. 6/30/20	)25			
Preparer's Certification  I understand that the County of San Diego has adopted minimum requirements for managing urban runoff, including storm water, from land development activities, as described in the County of San Diego BMP Design Manual. The BMP Design Manual is a design manual for compliance with local County of San Diego Watershed Protection Ordinance (Sections 67.801 et seq.) and regional MS4 Permit (California Regional Water Quality Control Board San Diego Region Order No. R9-2013-0001, as amended by Order No. R9-2015-0001 and Order No. R9-2015-0100) requirements for storm water management.  This SWQMP is intended to comply with applicable requirements of the BMP Design Manual. I certify that it has been completed to the best of my ability and accurately reflects the project being proposed and the applicable BMPs proposed to minimize the potentially negative impacts of this project's land development activities on water quality. I understand and acknowledge that the plan check review of this SWQMP by County staff is confined to a review and does not relieve me as the person in charge of overseeing the selection and design of storm water BMPs for this project, of my responsibilities for project design.					
Signature //			Date	July 24, 20	)24

COUNTY ACCEPTED

Template Date: September 15, 2020 Preparation Date: July 24, 2024

**PDP SWQMP** 



## County of San Diego

## Stormwater Quality Management Plan (SWQMP) For Priority Development Projects (PDPs)

Use for all PDPs (see Storm Water Intake Form, Part 4)



SWQMP Approved By:	Approval Date:

 $*NOTE*Approval\ does\ not\ constitute\ compliance\ with\ regulatory\ requirements.$ 

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**PDP SWQMP** 

Scope of SWQMP Submittal (Required)				
Select the option that describes the scope of this SWQMP Submittal. Document your selection as indicated.				
SWQMP Scope	Required Documentation			
oxtimes a. SWQMP addresses the entire project	No additional documentation.			
☐ b. SWQMP implements requirements of an earlier master SWQMP submittal	Include a copy of the previous submittal as <b>Attachment 4</b> .			
$\square$ c. First of multiple SWQMP submittals	Identify below the elements addressed in this submittal and in future submittals.			
(1) Elements addressed in current submittal (st	treets, common areas, first project phase, etc.):			
(2) Elements to be addressed in future submittal(s) (individual lots, future project phases, etc.):				

**Submittal Record:** List the dates of SWQMP and plan submittals and updates. Briefly describe key changes from previous versions. If responding to plan check comments, note this in the entry and attach the responses as applicable.

No.	Date	Summary of Changes
Preli	minary Desig	n / Planning / CEQA
1	4/18/2023	Initial Submittal
2	5/30/2023	Second Submittal
3	6/20/2023	Third Submittal
No.	6/23/2023	Fourth Submittal
Fina	l Design	
1	Date	Initial Submittal
2	Date	Summary of Change
3	Date	Summary of Change
No.	Date	Summary of Change
Plan	Changes	
1	7/24/2024	Initial Submittal Revise approved 6/23/2023 SWQMP based on latest plans.
2	Date	Summary of Change
3	Date	Summary of Change
No.	Date	Summary of Change

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PDP SWQMP

## PDP SWQMP Submittal Checklist

<b>SWQMP Tables</b> : All of the tables below must be completed.	
☑ Table 1: Baseline BMPs for Existing and Proposed Site Features	Page 2
☑ Table 2: Baseline BMPs for Pollutant-generating Sources	Page 3
☑ Table 3: Explanations and Justifications for Table 1 and 2 Baseline BMPs	Page 4
☑ Table 4: DMA Structural Compliance Strategies and Documentation	Page 5
☑ Table 5: Critical Coarse Sediment Yield Area (CCSYA) Requirements	Page 6
☑ Table 6: Minimum Construction Stormwater BMPs	Page 7
☑ Table 7: Explanations and Justifications for Construction Phase BMPs	Page 8
<b>SWQMP Attachments</b> <sup>1</sup> : Use the checklist below to identify which attachments will be inclu with this submittal. Attachments with boxes already checked ( $\boxtimes$ ) are required for all project The applicability of other attachments will be determined upon completing this form.	
☑ Attachment 1: Storm Water Intake Form	
☑ Attachment 2: DMA Exhibits and Construction Plan Sheets	
☐ Attachment 3: Reserved for Future Use	
☐ Attachment 4: Previous SWQMP Submittals	
☑ Attachment 5: Existing Site and Drainage Description	
oxtimes Attachment 6: Documentation of DMAs without Structural BMPs	
$\square$ Attachment 7: Documentation of DMAs with Structural Pollutant Control BMPs	
$\square$ Attachment 8: Documentation of DMAs with Structural Hydromodification Managemen	ıt BMPs
☑ Attachment 9: Management of Critical Coarse Sediment Yield Areas	
$\square$ Attachment 10: BMP Installation Verification Form	
$\square$ Attachment 11: BMP Maintenance Agreements and Plans	
$\square$ Attachment 12: Documentation of Alternative Compliance Projects (ACPs)	
After completing the remainder of this form, check the applicable SWQMP Attachment boxes summarize your selections.	s to

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 $<sup>^{1}</sup>$  All SWQMP Attachments are available at www.sandiego.gov/stormwater under the Development Resources tab, Submittal Templates.

Table 1 – Baseline BMPs for Existing and Proposed Site Features

Table 1 – Baseline BMFs for Existing and Proposed Site Features						
A. BMPs for Existing Natural Site Features (See Fact Sheet BL-1)						
<ol> <li>Check the boxes below for each existing feature on the site.</li> <li>Select the BMPs to be implemented for each identified feature.         Explain why any BMP not selected is infeasible in Table 3.     </li> </ol>						
	Conserve nat features (SD			ffers around lies (SD-H)		
☑ Natural waterbodies		$\boxtimes$				
☐ Natural storage reservoirs & o	drainage corridors					
☑ Natural areas, soils, & vegeta	tion (incl. trees)	<b>⊠</b>				
B. BMPs for Common Imperv	ious Outdoor Site Fea	tures (See Fact S	heet B	L- <b>2)</b>		
1. Check the boxes below for each proposed feature.	2. Select the BMPs to be import <b>SD-I</b> is selected for a					
	a. Direct runoff to pervious areas (SD-B)	b. Construct su from permea materials (SI	ble		e the size of ous areas	
☑ Streets and roads				☐ Check this	box to confirm	
☐ Sidewalks & walkways				that all impervious areas of the site will be minimized where feasible.  If this box is not checked,		
☑ Parking areas & lots		⊠				
☑ Driveways						
☐ Patios, decks, & courtyards				identify the surfaces that cannot be minimized in T		
☐ Hardcourt recreation areas				3, and explain infeasible to d	why it is o so.	
☐ Other:						
C. BMPs for Rooftop Areas: Check this box if rooftop areas are proposed and select at least one BMP below.  If no BMPs are selected, explain why they are infeasible in Table 3.  (See Fact Sheet BL-3)						
1. Direct runoff to						
pervious areas (SD-B)	2. Install green	roofs (SD-C)	<b>3.</b> In	stall rain bar	rels (SD-E)	
D. BMPs for Landscaped Areas: Check this box if landscaping is proposed and select at least one BMP below.  (See Fact Sheet BL-4)						
If no BMPs are selected, explain why they are infeasible in Table 3.						
1. Sustainable Landscaping (SD-K)						
		1				

**Note:** All features and BMPs must be shown on applicable construction plans. See applicable Fact Sheets in Appendix C of the BMP Design Manual for additional information.

**Note:** Use Table 3 to explain BMP infeasibility or inapplicability, or to describe features or BMPs not listed in this table. Additional explanation may be required by the County.

Table 2 - Baseline BMPs for Pollutant-generating Sources

☐ If this is a <b>Small Residential Project</b> , check this box and skip the rest of this table.								
A. Management of Stormwater Disc	A. Management of Stormwater Discharges							
1. Identify all proposed outdoor work areas below	2. Which BMPs will be used to prevent materials from contacting rainfall or runoff? (See Fact Sheet BL-5)		3. Where will runoff from the work area be routed? (See Fact Sheet BL-6)					
( $\square$ Check here if none are proposed)	(Select all feasible BMPs for each work area <sup>2</sup> )		(Select one or more option for each work area)					
	Overhead covering (rooftops, etc.) (SC-A)	Separation of flows from adjacent areas (berms, etc.) (SC-B)	Wind protection (screens, etc.) (SC-C)	Sanitary sewer <sup>3</sup> (SC-D)	Containment system (SC-E)	Stormwater S-BMP or SSD- BMP <sup>4</sup>	Other <sup>5</sup>	
<ul><li>☑ Trash &amp; Refuse Storage</li><li>☑ Materials &amp; Equipment Storage</li><li>☑ Loading &amp; Unloading</li></ul>					$\boxtimes$			
⊠ Fueling	$\boxtimes$	$\boxtimes$						
<ul><li>☑ Maintenance &amp; Repair</li><li>☑ Vehicle &amp; Equipment Cleaning</li><li>☐ Other:</li></ul>			 					
B. Prevention of Non-stormwater Di	ischarges (See Fa	act Sheet BL-7)						
Select one option for each feature below:								
• Storm drain inlets and catch basins		⊠ are not propos	ed □ will be la	$\square$ will be labeled with stenciling or signage to discourage dumping <b>(SC</b>			ng <b>(SC-F)</b>	
• Educational BMP Signage		⊠ are not propos		☐ will be labeled with educational signage for BMP (SC-G)				
<ul> <li>Interior work surfaces, floor drai</li> </ul>	-	are not propose				he MS4 or receiving		
• Drain lines (e.g., air conditioning, boiler, etc.)		are not propos		⊠ will not discharge directly or indirectly to the MS4 or receiving waters				
• Fire sprinkler test water		⊠ are not propos	d □ will not discharge directly or indirectly to the MS4 or receiving waters					

**Note:** All <u>outdoor</u> features and BMPs in this table must be shown on applicable construction plans. See applicable Fact Sheets in Appendix C of the BMP Design Manual for additional information.

**Note:** Use Table 3 to explain BMP infeasibility or inapplicability, or to describe features or BMPs not listed in this table. Additional explanation may be required by the County.

<sup>&</sup>lt;sup>2</sup> Each BMP is required where feasible. If none are selected for any feature, explain why they are infeasible in Table 3.

<sup>&</sup>lt;sup>3</sup> Separate wastewater agency approvals may be required.

<sup>&</sup>lt;sup>4</sup> Structural Treatment Control BMPs (S-BMPs) and Significant Site Design BMPs (SSD-BMPs) may not receive discharges from work areas that concentrate pollutants in a manner that will impair their functioning. Discharges from the proposed work area must also be included in DCV calculations for the applicable BMP.

 $<sup>^{\</sup>mbox{\tiny 5}}$  Describe other proposed options for managing stormwater discharges in Table 3.

#### Table 3 - Explanations and Justifications for Table 1 and 2 Baseline BMPs

#### ☑ Check here if no explanations or justifications for Table 1 or 2 BMPs are required.

- **Required Justifications**: Provide explanations of BMP inapplicability and/or infeasibility as indicated per Tables 1 and 2.
- If Requested: Justify why specific BMPs will not be implemented or will only be partially implemented.
- Additional Explanation: Describe any proposed features and/or BMPs not listed in Tables 1 or 2.

BMP-Fo		Explanation
Feature	Feature	Explanation
BMP	ВМР	
Feature	Feature	Explanation
BMP	ВМР	
Feature	Feature	Explanation
BMP	ВМР	
Feature	Feature	Explanation
ВМР	ВМР	
Feature	Feature	Explanation
BMP	ВМР	
Feature	Feature	Explanation
BMP	ВМР	
Feature	Feature	Explanation
ВМР	ВМР	

Table 4: DMA Structural Compliance Strategies and Documentation Part A – Selection and Application Structural Performance Standards 1. Selection of Standards (select one; see BMPDM Section 6.1) ☐ a. Pollutant control + hydromodification b. Pollutant control only (project is exempt from hydromodification requirements) 2. Application of Structural Performance Standards (select one; see BMPDM Section 1.7) ☐ **New Development Projects:** Standards apply to all impervious surfaces. ☑ **Redevelopment Projects:** Complete the calculations below. Select the applicable scenario based on the results. b. Impervious area created / replaced (ft²) a. Existing impervious area (ft²) c. % Impervious created / replaced [(b/a)\*100] 42.0(inc. Willow Glen Dr) 198.774 83.561 ☐ Scenario 1: c is 50% or more: Performance standards apply to all impervious surfaces (a + b). Scenario 2: c is less than 50%: Performance standards apply only to created or replaced impervious surfaces (b only). Part B – Compliance Strategies and Required Attachments Att. 2 Att. 1 Att. 3 Att. 4 Att. 5 **1.**Complete and submit each of the DMA Exhibits and Previous SWQMP Storm Water Intake Existing Site and applicable attachments on the right. N/A Construction Plan Submittals **Drainage Description** Form Sheets (see inside cover)  $|\mathsf{X}|$  $|\mathbf{x}|$ |X|Att. 6 Att. 7 Att. 8 Att. 9 Att. 10 Att. 11 Att. 12 2. Indicate each compliance strategy below that will be DMAs w/ Critical used for one or more DMAs on the site. **BMP DMAs** Structural DMAs w/ Coarse without Pollutant Structural Sediment Installation Maintenance Alternative Structural Control Hydromod. Yield Verification Agreements/ Compliance **Projects BMPs BMPs BMPs** Areas Form Plans  $\boxtimes$  $\boxtimes$ Self-mitigating DMAs (BMPDM Section 5.2.1) ☐ De Minimis DMAs (BMPDM Section 5.2.2) П ⊠Self-retaining DMAs (BMPDM Section 5.2.3)  $\boxtimes$  $\boxtimes$  $\boxtimes$ Structural BMPs (select all that apply) Pollutant Control BMPs (BMPDM Section 5.4) П Hydromodification Control BMPs (BMPDM Chapter 6) Alternative Compliance Project (BMPDM Section 1.8) Delase check this box after you complete this list. Corresponding attachments will be automatically selected on the right.

<sup>•</sup> Attachments 1, 2, and 5 are required for all projects.

## Table 5: Critical Coarse Sediment Yield Area (CCSYA) Requirements

<ul> <li>Identify one applicable compliance pathway for the PDP below.</li> <li>Document your selection in <b>Attachment 9</b>.</li> </ul>			
A. Hydromodification Management Exemption (BMPDM Sections 1.6 and 6.1)			
☐ PDP is Exempt from Hydromodification Management Requirements  Select if hydromodification management exemption was selected in Table 4 Part A.1.			
B. Watershed Management Area (WMAA) Mapping (BMPDM Appendix H.1.1.2)			
<ul> <li>WMAA mapping demonstrates the following:</li> <li>a. &lt;5% of potential onsite CCYSAs will be impacted (built on or obstructed)</li> <li>b. All potential upstream offsite CCYSAs will be bypassed</li> </ul>			
C. Resource Protection Ordinance (RPO) Methods (BMPDM Appendix H.1.1.1)			
C. Resource Protection Ordinance (RPO) Methods (BMPDM Appendix H.1.1.1)			
C. Resource Protection Ordinance (RPO) Methods (BMPDM Appendix H.1.1.1)  RPO Scenario 1: PDP is subject to and in compliance with RPO requirements  a. Project requires one or more discretionary permits (RPO applicability is confirmed during discretionary review)  b. Onsite AND upstream offsite CCSYAs will be avoided and/or bypassed  RPO Scenario 2: PDP is entirely exempt/not subject to RPO requirements <sup>6</sup> a. Project does not require discretionary permits  b. Project will bypass all upstream offsite CCSYAs (no requirements for onsite CCSYAs)			
<ul> <li>□ RPO Scenario 1: PDP is subject to and in compliance with RPO requirements</li> <li>a. Project requires one or more discretionary permits (RPO applicability is confirmed during discretionary review)</li> <li>b. Onsite AND upstream offsite CCSYAs will be avoided and/or bypassed</li> <li>□ RPO Scenario 2: PDP is entirely exempt/not subject to RPO requirements<sup>6</sup></li> <li>a. Project does not require discretionary permits</li> </ul>			

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 $<sup>^6</sup>$  Does not include PDPs utilizing exemption(s) via RPO Section 86.604(e)(2)(cc) or 86.604(e)(3).

**Table 6 – Minimum Construction Stormwater BMPs** 

Minimum Required BMPs by Activity Type	Refe	References		
Select all applicable activities and at least one BMP for each.	Caltrans <sup>7</sup>	County of San Diego		
<b>Important Series</b> Erosion Control for Disturbed Slopes (choose at least 1 per seas		Diego		
✓ Vegetation Stabilization Planting <sup>8</sup> (Summer)	SS-2, SS-4			
✓ Vegetation Stabilization Flanding (Summer)  ✓ Hydraulic Stabilization Hydroseeding (Summer)	SS-4			
☐ Bonded Fiber Matrix or Stabilized Fiber Matrix (Winter)	SS-3			
☑ Physical Stabilization Erosion Control Blanket (Winter)	SS-7			
Erosion control for disturbed flat areas (slope < 5%)	55 /			
☐ County Standard Lot Perimeter Protection Detail	SC-2	PDS 65910		
☐ County Standard Lot Perimeter Protection Betain ☐ Use of Item A erosion control measures on flat areas	SS-3, SS-4, SS-7	1 00 009		
☐ County Standard Desilting Basin (must treat all site runoff)	SC-2	PDS 660 <sup>11</sup>		
✓ Mulch, straw, wood chips, soil application	SS-6, SS-8	1 00 000		
<ul> <li>☑ Energy dissipation (required to control velocity for concent</li> </ul>	,	ntering discharge)		
☐ Energy Dissipater Outlet Protection	SS-10	RSD D-40 <sup>12</sup>		
Sediment control for all disturbed areas	55 15	102 2 40		
☑ Silt Fence	SC-1			
☐ Fiber Rolls (Straw Wattles)	SC-5			
☑ Gravel & Sand Bags	SC-6, SC-8			
☐ Dewatering Filtration	NS-2			
☐ Storm Drain Inlet Protection	SC-10			
☐ Engineered Desilting Basin (sized for 10-year flow)	SC-2			
<b>☒</b> Preventing offsite tracking of sediment	•			
☐ Stabilized Construction Entrance	TC-1			
☐ Construction Road Stabilization	TC-2			
☑ Entrance/Exit Tire Wash	TC-3			
☑ Entrance/Exit Inspection & Cleaning Facility	TC-1			
☑ Street Sweeping and Vacuuming	SC-7			
☐ Materials Management				
☑ Material Delivery & Storage	WM-1			
☑ Spill Prevention and Control	WM-4			
<b>☐</b> Waste Management¹³	•			
☑ Waste Management Concrete Waste Management	WM-8			
☑ Solid Waste Management	WM-5			
⊠ Sanitary Waste Management	WM-9			
☐ Hazardous Waste Management	WM-6			

<sup>7</sup> See Caltrans 2017 Construction Site Best Management Practices (BMP) Manual available at:

https://dot.ca.gov/programs/construction/storm-water-and-water-pollution-control/manuals-and-handbooks

8 Planting or Hydroseeding may be installed between May 1st and August 15th. Slope irrigation must be in place and operable for slopes >3 feet. Vegetation must be watered and established prior to October 1st. A contingency physical BMP must be implemented by August 15th if vegetation is not established by that date. If landscaping is proposed, erosion control measures must also be used while landscaping is being established. Established vegetation must have a subsurface mat of intertwined mature roots with a uniform vegetative coverage of 70 percent of the natural vegetative coverage or more on all disturbed areas.

<sup>&</sup>lt;sup>9</sup> All slopes over three feet must have established vegetative cover prior to final permit approval.

<sup>&</sup>lt;sup>10</sup> County PDS 659. Standard Lot Perimeter Protection Design System (Bldg. Division)

<sup>&</sup>lt;sup>11</sup> County PDS 660. County Standard Desilting Basin for Disturbed Areas of 1 Acre or Less Bldg. Division

<sup>&</sup>lt;sup>12</sup> Regional Standard Drawing D-40 – Rip Rap Energy Dissipater (also acceptable for velocity reduction)

<sup>&</sup>lt;sup>13</sup> Applicants are responsible to apply appropriate BMPs for specific wastes (e.g., BMP WM-8 for concrete).

#### **Table 7 – Explanations and Justifications for Construction Phase BMPs**

☑ Check here if no explanations or justifications for Table 6 BMPs are required.

#### **Justifications for Table 6 Temporary Construction Phase BMPs**

- **Required Justifications**: Justify all construction activity types for which NO BMPs were selected.
- If Requested: Justify why specific individual BMPs were not selected.
- **Additional Explanation**: Describe any proposed features and/or BMPs not listed in Table 6.

Activity	Type / BMP	Explanation
Activity Type	Activity Type	Explanation
BMP	BMP	
Activity Type	Activity Type	Explanation
BMP	BMP	
Activity Type	Activity Type	Explanation
BMP	BMP	
Activity Type	Activity Type	Explanation
BMP	BMP	
Activity Type	Activity Type	Explanation
BMP	BMP	
Activity Type	Activity Type	Explanation
BMP	BMP	
Activity Type	Activity Type	Explanation
BMP	BMP	

This form establishes Stormwater Quality Management Plan (SWQMP) requirements for Development Projects per Sections 67.809 and 67.811 of the County of San Diego Watershed Protection Ordinance (WPO). See *Storm Water Intake Form Instructions* for additional guidance and explanation of terms.

Part 1. Project Information	art 1. Project Information			
Project Name:	Cottonwood Sand Mining Project			
Record ID (Permit) No(s):	PDS2018-MUP-18-023			
Assessor's Parcel No(s):	506-021-19-00, 506-020-52-00, 518	3-012-13-00, 518-012-14-00, etc.		
Street Address (or Intersection):	3121 Willow Glen Road			
City, State, Zip:	El Cajon, CA 92019			
Part 2. Applicant / Project	Proponent Information			
Name:	Brice Bossler			
Company:	Cottonwood Cajon ES LLC			
Street Address:	3121 Willow Glen Drive			
City, State, Zip:	El Cajon, CA 92019			
Phone Number	(619) 850-1399			
Email:	gbrown@nwinvestmentinc.com			
Part 3. Required Informat	ion for All Development Proj	ects		
(pre-development) impervious surfaces (fi	2. Created or replaced 3. Total disturbed area (t²) impervious surfaces (ft²) (acres or ft²)			
198,774	83,561	182.58 acres		
B Check here and provide to the California Constr 2009-0009-DWQ)¹	WDID # (if issued)			

For County Use Only	Reviewed By:			Review Date:
☐ Standard SWQMP		☐ PDP SWQMP	☐ Green S	treets PDP Exemption SWQMP

Template Date: January 30, 2019

Intake Form

<sup>&</sup>lt;sup>1</sup> Available at: <a href="https://www.waterboards.ca.gov/water">https://www.waterboards.ca.gov/water</a> issues/programs/stormwater/construction.html

Part 4. Priority Classification & SWQMP Form Selec	tion	
(A) If your project is the following (select one)	B	You must complete
☐ Standard Project		→ Standard SWQMP Form
$\square$ a. Project is East of the Pacific/Salton Sea Divide		
$\square$ b. None of the PDP criteria below applies		
☐ Priority Development Project (PDP)		→ PDP SWQMP Form
$\square$ 1. Project is part of an existing PDP, <u>OR</u>		
☑ 2. Project does any of the following:		
□ b. Creates or replaces a combined total of 5,000 ft² or more of impervious surface within one or more of the following uses: (1) parking lots; (2) streets, roads, highways, freeways, and/or driveways; (3) restaurants; and (4) hillsides		
□ c. Creates or replaces a combined total of 5,000 ft² or more of impervious surface within one or more of the following uses: (1) automotive repair shops; and (2) retail gasoline outlets		
☑ d. Discharges directly to an Environmentally Sensitive Area (ESA) AND creates or replaces 2,500 ft² or more of impervious surface		
⋈ e. Disturbs one or more acres of land (43,560 ft²) and is expected to generate pollutants post-construction		
⊠ f. Is a <u>redevelopment</u> project that creates or replaces           5,000 ft² or more of impervious surface on a site already having at least 10,000 ft² of impervious surface		
☐ Green Streets PDP Exemption <sup>2</sup>		→ Green Streets PDP Exemption SWQMP Form
Part 5. Applicant Signature		
I have reviewed the information in this form, and it is true and co	rrect	to the best of my knowledge.
Applicant / Project Proponent Signature:		Date: 7/24/2024

- *Upon completion submit this form to the County.*
- *If requested*, attach supporting documentation to justify selections made or exemptions claimed.
- If this is a PDP that is part of a larger existing PDP, you will be required to attach a copy of the existing SWQMP to the newer SWQMP submittal.

 $<sup>^2</sup>$  **Green Streets PDP Exemption Projects** are those claiming exemption from PDP classification per WPO Section 67.811(b)(2) because they consist exclusively of *either* 1) development of new sidewalks, bike lanes, and/or trails; *or* 2) improvements to existing roads, sidewalks, bike lanes, and/or trails.



#### 2.0 General Requirements

- Attachment 2 consolidates exhibits and plans required for the entire project.
- Complete the table below to indicate which sub-attachments are included with the submittal. Sub-attachments that are not applicable can be excluded from the submittal.
- Unless otherwise stated, features and BMPs identified and described in each corresponding Attachment (6 through 9) must be shown on applicable DMA Exhibits and construction plans submitted for the project.

Sub-attachments	Requirement	
⊠ 2.1: DMA Exhibits	All PDPs	
☐ 2.2: Individual Structural BMP DMA Mapbook	PDPs with structural BMPs	
☑ 2.3: Construction Plan Sets	All projects	

Preparation Date: 6/20/2023

#### 2.1 DMA Exhibits

- DMA Exhibits must show all DMAs on the project site. Exhibits must include all applicable features identified in applicable SWQMP attachments.
- Exhibits may be prepared individually for the BMPs associated with each applicable SWQMP Attachment (6, 7, 8, and/or 9) or combined into one or more consolidated exhibits.
- Use this checklist to ensure required information is included on each exhibit (copy as needed).

DMA Exhibit ID #:	1		
A. Features require	ed for all exhibits		
1. Existing Site Fea	tures		
☑ Underlying hydro	ologic soil group (A, B, C, D)	oxtimes Topography and impervious areas	
		oxtimes Existing drainage network, directions,	
⊠ Natural hydrolog	gic features	and offsite connections	
2. Drainage Manag	ement Area (DMA) Informatio	n	
□ Proposed draina	ge network, directions, and	oxtimes DMA boundaries, ID numbers, areas,	
offsite connection	ns	and type (structural BMP, de minimis,	
		etc.)	
-	nanges, Features, and BMPs		
oxtimes Proposed demolition and grading		⊠ Construction BMPs <sup>2</sup>	
oxtimes Group 1, 2, and 3 Features <sup>1</sup>		□ Baseline source control BMPs	
☐ Group 4 Features		$\square$ Baseline source control BMPs	
B. Proposed Featur	res and BMPs Specific to Indivi	dual SWQMP Attachments <sup>3</sup>	
	$\square$ SSD-BMP impervious dispers	ion areas	
	oxtimes SSD-BMP tree wells		
☐ Attachment 7	$\square$ Structural pollutant control B	MPs	
☐ Attachment 8	☐ Structural hydromodification	management BMPs	
	☐ Point(s) of Compliance (POC)	for hydromodification management	
	$\square$ Proposed drainage boundary	and drainage area to each POC	
⊠ Attachment 9	☐ Onsite CCSYAs ☐ Bypass	of onsite CCSYAs	
		of upstream offsite CCSYAs	

<sup>&</sup>lt;sup>1</sup> Group 1-4 features and baseline BMPs from PDP SWQMP Tables 2 and 3.

<sup>&</sup>lt;sup>2</sup> Minimum Construction Stormwater BMPs from PDP SWQMP Table 7.

<sup>&</sup>lt;sup>3</sup> Identify the location, ID numbers, type, and size/detail of BMPs.

DMA	Phase	Area, ac	Imp/Semi-Perv Area, sf	Notes
1A	1	0.92	14,213	Impervious area from Willow Glen Drive widening. Four tree wells will treat storm runoff.
1B	1	8.65	8,472 Impervious area from driveway, scale house, scale, and two storage containers. Storm water will be harvested and reused on	
1C	1	16.93	13,427	Impervious area from grouted riprap drop structure (1.8% of DMA). Meets requirements per notes below.
1D	1	22.19	8,876	Impervious area from grouted riprap drop structure (0.9% of DMA). Meets requirements per notes below.
1E	1	22.28	2,468 (semi-pervious) 683 (impervious)	Semi-pervious temporary DG road for access from Willow Glen Drive. Self-retaining via SSD, SD-B, impervious area dispersion. Impervious driveway from Willow Glen Drive. Meets requirements per notes below.
2A	2	6.13	0	No impervious area.
2B	2	37.07	13,477 (semi-pervious)	Semi-pervious DG road to extend access from existing DG road from the south project entrance. Self-retaining (SSD, SD-B)
ЗА	3	49.75	37,891	Impervious area from grouted riprap drop structure (1.8% of DMA). Meets requirements per notes below.
3B	3	18.67	0	No impervious area.
Total	1-3	182.58	15,945 (semi-pervious) 83,561 (impervious)	

AREAS. THE OVERALL MINING PHASES COVER 214.4 ACRES AND INCLUDE SURROUNDING BUFFER AREAS ASSOCIATED WITH THE PROJECT THAT WILL NOT BE DISTURBED BY MINING. SEE SHEET 2 FOR DMA 1A DETAILS (WILLOW GLEN DRIVE), SHEET 3 FOR DMA 1B DETAILS (PLANT SITE — INCLUDED ON THIS TABLE FOR REFERENCE), AND SHEET 4 FOR THE POST—MINING (RECLAMATION) AREAS.

## DMA SUMMARY TABLE FOR MINING AND WILLOW GLEN DRIVE IMPROVEMENTS

#### MINING DMA NOTES

THE MINING EXTRACTION IS COVERED BY THE INDUSTRIAL GENERAL PERMIT AND MS4 REQUIREMENTS. THE CONSTRUCTION GENERAL PERMIT MAY APPLY DURING PRE-MINING SITE PREPARATION. DMAs 1C, 1D, 1E, 2A, 2B, 3A, AND 3B COVER THE MINING DISTURBANCE AREAS PER PHASE. SEE SHEET 2 FOR WILLOW GLEN DRIVE, SHEET 3 FOR THE MINE PLANT, AND SHEET 4 FOR THE POST-MINING DMAs. THE PROJECT HAS TWO POCS THAT ARE ALONG THE SWEETWATER RIVER. POC EAST IS WHERE SWEETWATER RIVER MEETS STEELE CANYON ROAD. POC WEST IS WHERE THE SWEETWATER RIVER EXITS THE SITE. THE POCS ARE IDENTICAL FOR PRE- AND POST-PROJECT CONDITIONS. THE POCS ARE ASSOCIATED WITH THEIR UPSTREAM DRAINAGE AREAS TRIBUTARY TO THE SWEETWATER RIVER. THE PRE- AND POST-PROJECT DRAINAGE AREAS AT EACH POC ARE THE SAME.

#### MINING SELF-MITIGATING AREAS

DMAs 1C, 1D, 1E, 2A, 2B, 3A, AND 3B ARE CLASSIFIED AS SELF-MITIGATING AREAS. THE SELF-MITIGATING REQUIREMENTS ARE MET AS FOLLOWS:

THESE DMAs ARE EITHER 100 OR NEAR 100 PERCENT PERVIOUS. THE DISTURBED AREAS WILL BE REVEGETATED WITH NATIVE, DROUGHT-TOLERANT PLANTS CONSISTING OF RIPARIAN SCRUB, A FOREST REHABILITATION PLANT PALETTE, RIPARIAN FOREST, EMERGENT WETLAND, OR EROSION CONTROL SEED MIX. PLANT SPECIES USED IN THE REVEGETATION EFFORT WILL BE CAPABLE OF SELF-REGENERATION WITHOUT CONTINUED DEPENDENCE ON IRRIGATION, SOIL AMENDMENTS, FERTILIZER, OR PESTICIDES.

THE SOILS WILL BE NATIVE TOPSOILS OR SOILS OBTAINED FROM THE MINING OPERATIONS. THE SOILS MUST BE AMENDED AND AERATED TO PROMOTE WATER RETENTION EQUIVALENT TO NATIVE TOPSOIL. SINCE THE SITE WILL ULTIMATELY PRIMARILY PROVIDE SWEETWATER RIVER RESTORATION, SOIL COMPACTION REQUIREMENTS WILL BE MINIMIZED.

PER THE TABLE ABOVE, THE INCIDENTIAL IMPERVIOUS AREAS ARE LESS THAN 5 PERCENT. STORM RUNOFF FROM THESE AREAS WILL BE ALLOWED TO SHEET FLOW OVER THE NATURAL RECEIVING SURFACE TO PROMOTE DISPERSION,

THE IMPERVIOUS AREAS ARE STANDALONE, ISOLATED AREAS NOT HYDRAULICALLY CONNECTED TO OTHER IMPERVIOUS AREAS.

THERE ARE NO PERMANENT STORM WATER CONTROL BMPs FOR THE MINING AREAS.

THE SELF-MITIGATING AREAS DO NOT CONTRIBUTE RUNOFF TO FLOW CONTROL POCS. THE RUNOFF ENTERS THE SWEETWATER RIVER AND REACHES ONE OF THE TWO POCS SIMILAR TO PRE-PROJEC CONDITIONS, SO RUNOFF IS NOT CONCENTRATED AT NEW LOCATIONS. THE DRAINAGE AREA TRIBUTARY TO THE SWEETWATER RIVER IS MAINTAINED BY THE PROJECT.

## MINING SELF-RETAINING AREAS

THE DG ROADS ARE SEMI-PERVIOUS SURFACES THAT WILL MEET SSD-BMP DISPERSION REQUIREMENTS PER FACT SHEET SD-B. THERE IS A 12-FOOT WIDE ROAD TO THE SITE FROM THE WESTERLY DRIVEWAY FROM WILLOW GLEN DRIVE. THERE IS ANOTHER MINIMUM 12-FOOT WIDE ROADWAY TO THE SITE AND EXISTING SDG&E TOWER FROM AN EXISTING SOUTHERLY ENTRANCE. THE SOUTHERLY END OF THIS ROAD CONNECTS TO THE NORTHERLY END OF AN EXISTING GRAVEL ROAD. THE ADJACENT DISPERSION AREAS TO BOTH ROADS ARE ENTIRELY PERVIOUS FOR A LARGE DISTANCE. THERE WILL BE NO IMPERVIOUS SURFACE FLOWING TO THE SEMI-PERVIOUS DG ROADS. THE DG ROADS SHALL BE GRADED TO SHEET FLOW OVER THE ADJACENT DISPERSION AREA. THE DISPERSION AREA SHALL BE AT LEAST 10 FEET WIDE AND AT LESS THAN 5 PERCENT SLOPE. THE TOP 11 INCHES OF SOIL IN THE DISPERSION AREA WILL BE AMENDED PER FACT SHEET SD-F.

## BEST MANAGEMENT PRACTICES

THE MINING EXTRACTION SHOWN ON THIS SHEET WILL BE COVERED BY THE INDUSTRIAL GENERAL PERMIT. DEMOLITION, CLEARING, GRUBBING, AND MINOR GRADING WILL PRECEDE MINING IN SOME AREAS AND WILL BE UNDER THE CONSTRUCTION GENERAL PERMIT. THE FOLLOWING IDENTIFIES CONSTRUCTION AND INDUSTRIAL BMPS THAT CAN BE USED. THE MINING AND CONSTRUCTION BMPS WILL BE SPECIFICALLY ADDRESSED BY THE CONSTRUCTION AND INDUSTRIAL SWPPPS, RESPECTIVELY, AND IMPLEMENTED BY THE CONTRACTOR AND/OR OPERATOR.

## **CONSTRUCTION BMPS:** SILT FENCING, FIBER ROLLS, GRAVEL BAGS HYDROSEEDING, MULCH, GEOTEXTILES

STABILIZED CONSTRUCTION ENTRANCE ENTRANCE/OUTLET TIRE WASH STREET SWEEPING

DESILTING BASIN VEHICLE/EQUIPMENT CLEANING AND MAINTENANCE AREAS

SILT FENCING, FIBER ROLLS, GRAVEL BAGS HYDROSEEDING, MULCH, GEOTEXTILES, LANDSCAPING SITE ENTRANCE/EXIT TRACKOUT CONTROLS (RUMBLE STRIP, GRATES, MATS, ETC.) ENTRANCE/OUTLET TIRE-WASH STREET SWEEPING DESILTING BASIN VEHICLE/EQUIPMENT CLEANING, FUELING, AND MAINTENANCE AREAS

STOCKPILE MANAGEMENT (PERIMETER CONTROLS AND COVER) DUST SUPPRESSION WITH WATER TRUCK APPROXIMATE LOCATION OF PROPOSED 5' WIDE TR PROPOSED 3:1 SLOPE (OR LESS) EXISTING GROUND EX. LOW FLOW CHANNEL TO PROPOSED FINISHED REMAIN (3.7' DEEP MIN.) TO GROUND AT BOTTOM

> SWEETWATER RIVER LOW FLOW CHANNEL DETAIL NO SCALE

OF PIT

CONVEY WATER TRANSFER AND

2-YEAR, 24-HOUR FLOWS

GRAPHIC SCALE 1 INCH = 300 FEET<u>LÉGEND:</u> STOCKPILES —— PROPOSED PROJECT PROXIMATE LOCATION DRAINAGE MANAGEMENT AREA EXISTING IMPERVIOUS AREAS PROPOSED IMPERVIOUS AREAS PROPOSED SEMI-PERVIOUS AREAS (DG LINED) PROPOSED WILLOW GLEN DRIVE WIDENING → DIRECTION OF PROPOSED DRAINAGE SWEETWATER LOW FLOW CHANNEL (ENVIRONMENTALLY SENSITIVE AREA) THE HYDROLOGIC SOILS GROUPS ON-SITE ARE A AND D PER THE ATTACHED WEB SOIL PER GEO-LOGIC, THE NOVEMBER 5, 2021 GROUNDWATER INVESTIGATION REPORT INDICATES THAT THE DEPTH RANGE FOR SHALLOW GROUNDWATER IS 26 TO 70 FEET BELOW GRADE. THE EXISTING DRAINAGE NETWORK INCLUDES UNMAPPED PRIVATE DRAINAGE FACILTIES SERVING THE GOLF COURSE. THE SWEETWATER RIVER FLOWS WESTERLY THROUGH THE SITE. THE PRE-PROJECT IMPERVIOUS AREAS ARE ASSOCIATED WITH THE GOLF COURSE CLUB HOUSE (CLUB HOUSE BUILDING AND PARKING LOT), OUT BUILDINGS AND STRUCTURES AS WELL AS GOLF COURSE BRIDGES.

> THE PROPOSED PROJECT WILL DEMOLISH THE GOLF COURSE AND FACILITIES FOR THE MINING. THE EXISTING TRAPEZOIDAL CHANNEL WILL BE MAINTAINED AS NECESSARY FOR THE SWEETWATER AUTHORITY'S WATER TRANSFERS. THE ONLY IMPERVIOUS FEATURES WILL BE THE SCALE HOUSE, SCALE, AND STORAGE CONTAINERS.

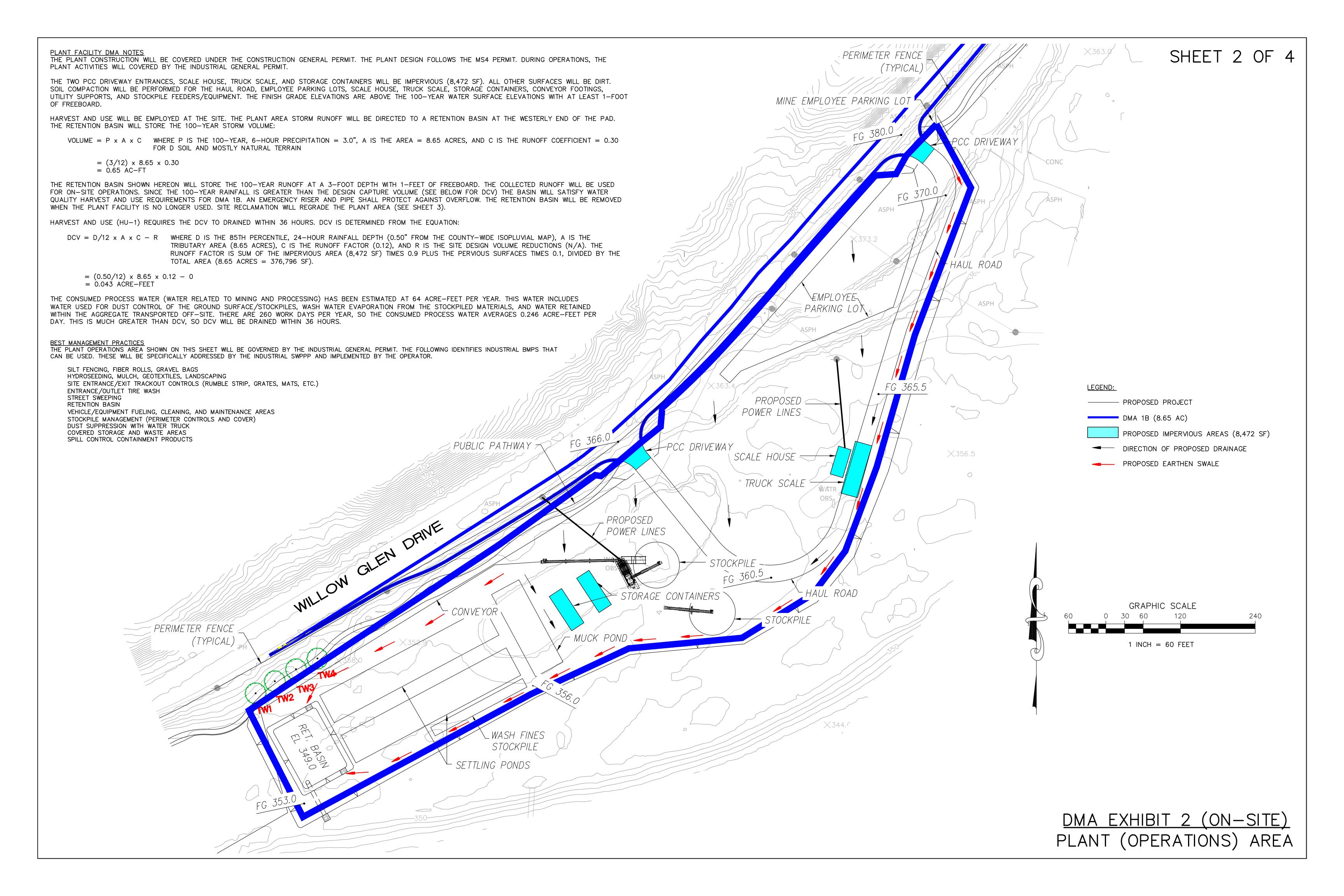
> THERE ARE NO ON-SITE CCSYA'S OR 303(D) WATERS IN THE AREA. THE NEAREST 303(D) WATERS ARE IN THE SWEETWATER RIVER BELOW ITS RESERVOIR. THE OFF-SITE CCSYA'S UPSTREAM OF THE PROJECT WILL BE CONVEYED WITHIN THE LOW FLOW

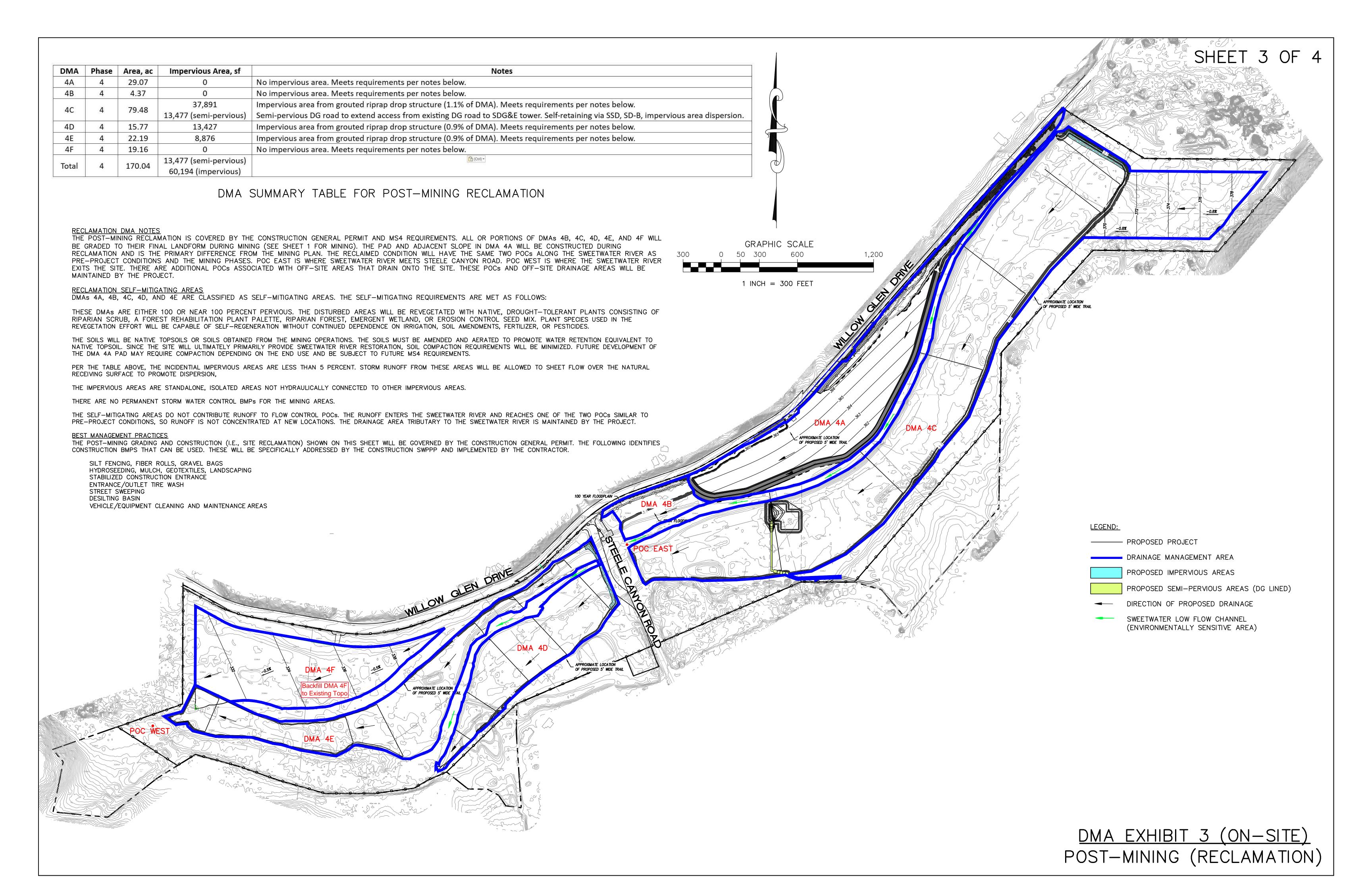
THE SWEETWATER RIVER WILL BE ENHANCED AND RESTORED BY THE PROJECT PER SD-G. MINIIMAL IMPERVIOUS SURFACES ARE BEING ADDED. THE OVERALL IMPERVIOUS AREA IS BEING REDUCED. THE ON-SITE ROADS WILL BE PERVIOUS (EITHER DIRT OR DG) PER SD-I. THE PARKING LOTS WILL BE DIRT. ONLY PROPOSED STRUCTURES AND DROP STRUCTURES WILL BE IMPERVIOUS. OUTDOOR WORK AREAS SHALL BE COVERED PER SD-A, AS NEEDED. BERMS CAN BE USED PER SD-C, AS NEEDED TO DIRECT RUNOFF FROM DMA 1B TO THE HARVEST AND USE POND.

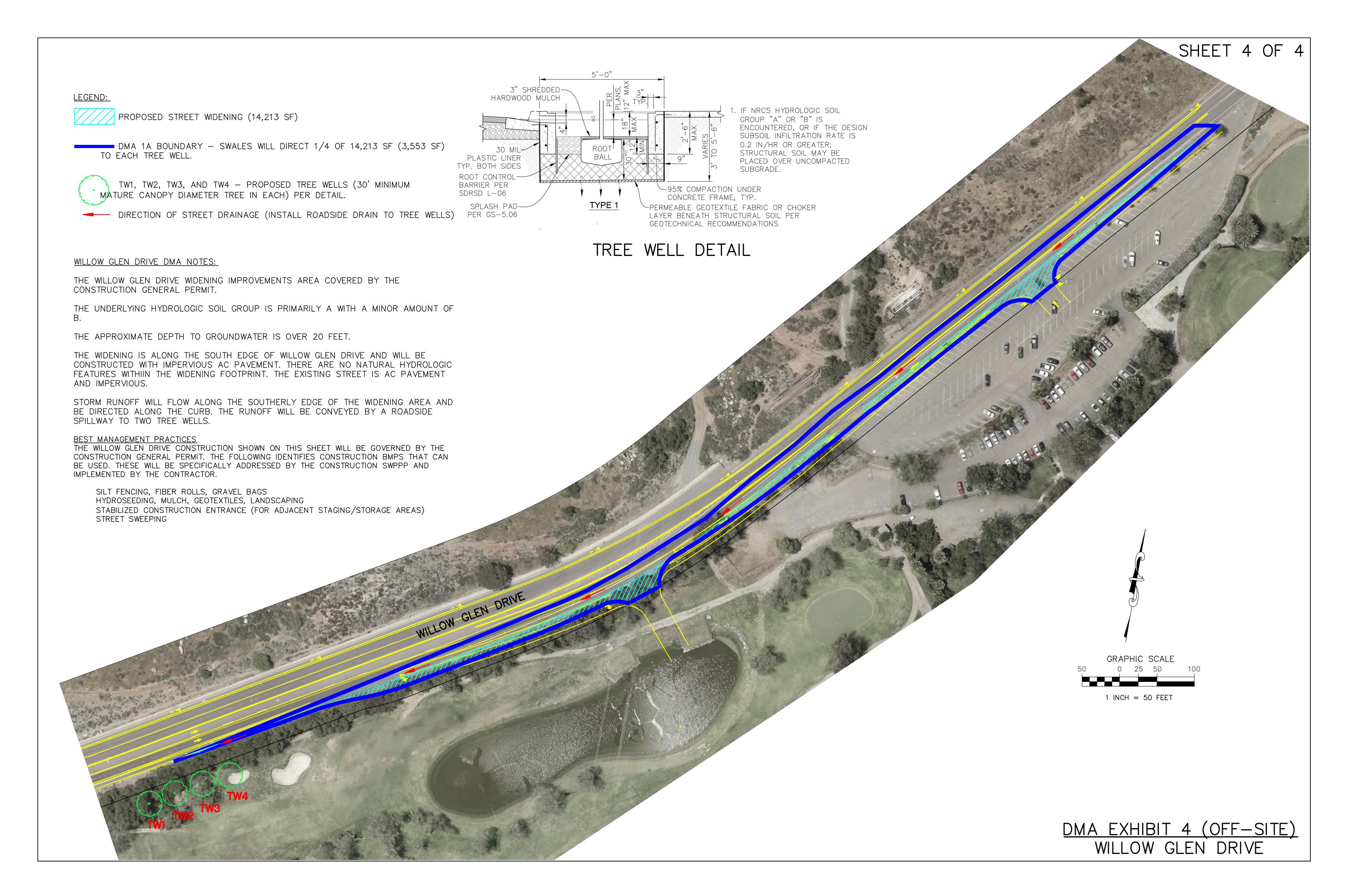
THE SDG&E PAD SURFACE WILL REMAIN IN ITS CURRENT NATURAL CONDITION. THE PUBLIC PATHWAY LOCATION AND DESIGN WILL BE COORDINATED WITH THE COUNTY DURING A FUTURE EFFORT. THE PROPOSED TEMPORARY CROSSING WILL MERELY BE A 16-FOOT WIDE AREA ACROSS THE EXISTING GROUND SURFACE.

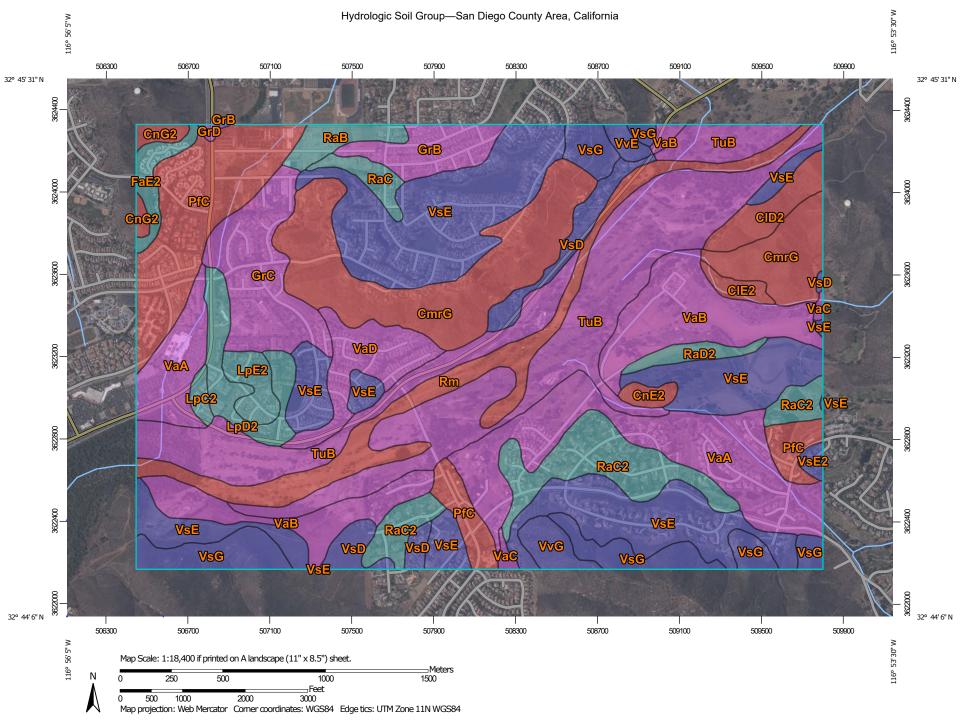
THE PROJECT PROPOSES THAT MINING, RECLAMATION, AND REVEGETATION ACTIVITIES WILL OCCUR ON A ROLLING BASIS ACROSS THE SITE, IN ORDER TO MINIMIZE IMPACTS ON THE SURROUNDING COMMUNITY. THE SWQMP ADDRESSES MS4 REQUIREMENTS. SITE PREPARATION ACTIVITIES FALL UNDER THE CONSTRUCTION GENERAL PERMIT, MINING ACTIVITIES FALL UNDER THE INDUSTRIAL GENERAL PERMIT, RECLAMATION ACTIVITIES FALL UNDER THE CONSTRUCTION GENERAL PERMIT AND REVEGETATION ACTIVITIES FALL UNDER THIS SWQMP. WHILE SITE PREPARATION ACTIVITIES ONLY FALL WITHIN PHASE 1, EACH SUBSEQUENT PHASE WILL INCLUDE MINING, RECLAMATION, AND REVEGETATION ACTIVITIES. THEREFORE, THE SITE'S CONSTRUCTION GENERAL PERMIT AND INDUSTRIAL GENERAL PERMIT WILL BE AMENDED AS THESE ACTIVITIES PROGRESS ACROSS THE SITE. BEFORE MINING ACTIVITIES COMMENCE IN ANY PHASE, THE PHASE WILL BE PLACED UNDER THE INDUSTRIAL GENERAL PERMIT. ONCE MINING ACTIVITIES CEASE WITHIN A GIVEN AREA, THE PERMITS WILL BE AMENDED TO REMOVE THAT AREA FROM THE INDUSTRIAL GENERAL PERMIT AND PLACE IT UNDER THE CONSTRUCTION GENERAL PERMIT. ONCE RECLAMATION ACTIVITIES ARE COMPLETED WITHIN A GIVEN AREA, THE PERMITS WILL AGAIN BE AMENDED TO REMOVE THAT AREA FROM THE CONSTRUCTION GENERAL PERMIT. THIS PATTERN OF PERMIT AMENDMENTS WILL PROGRESS ACROSS THE SITE AS MINING, AND THEN RECLAMATION, AND THEN REVEGETATION OCCURS ON A ROLLING BASIS.

> DMA EXHIBIT 1 (ON-SITE) MINING PHASES









#### MAP LEGEND MAP INFORMATION The soil surveys that comprise your AOI were mapped at Area of Interest (AOI) С 1:24.000. Area of Interest (AOI) C/D Please rely on the bar scale on each map sheet for map Soils D measurements. Soil Rating Polygons Not rated or not available Α Source of Map: Natural Resources Conservation Service Web Soil Survey URL: **Water Features** A/D Coordinate System: Web Mercator (EPSG:3857) Streams and Canals В Maps from the Web Soil Survey are based on the Web Mercator Transportation projection, which preserves direction and shape but distorts B/D Rails distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more Interstate Highways accurate calculations of distance or area are required. C/D **US Routes** This product is generated from the USDA-NRCS certified data as D Major Roads of the version date(s) listed below. Not rated or not available -Local Roads Soil Survey Area: San Diego County Area, California Soil Rating Lines Survey Area Data: Version 15, May 27, 2020 Background Aerial Photography Soil map units are labeled (as space allows) for map scales 1:50,000 or larger. A/D Date(s) aerial images were photographed: Aug 18, 2018—Aug 22, 2018 B/D The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor C/D shifting of map unit boundaries may be evident. D Not rated or not available **Soil Rating Points** A/D B/D