

## **STEP 5**

### **LID AND SITE DESIGN STRATEGIES**

Each numbered item below is a Low Impact Development (LID) requirement of the WPO. Please check the box(s) under each number that best describes the LID BMP(s) and Site Design Strategies selected for this project.

**TABLE 8: LID AND SITE DESIGN**

|                                     |                                                                                                                                                             |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.                                  | Conserve natural Areas, Soils, and Vegetation                                                                                                               |
| <input checked="" type="checkbox"/> | Preserve well draining soils (Type A or B)                                                                                                                  |
| <input checked="" type="checkbox"/> | Preserve Significant Trees                                                                                                                                  |
| <input checked="" type="checkbox"/> | Preserve critical (or problematic) areas such as floodplains, steep slopes, wetlands, and areas with erosive or unstable soil conditions                    |
| <input type="checkbox"/>            | Other. Description:                                                                                                                                         |
| 2.                                  | Minimize Disturbance to Natural Drainages                                                                                                                   |
| <input checked="" type="checkbox"/> | Set-back development envelope from drainages                                                                                                                |
| <input type="checkbox"/>            | Restrict heavy construction equipment access to planned green/open space areas                                                                              |
| <input type="checkbox"/>            | Other. Description:                                                                                                                                         |
| 3.                                  | Minimize and Disconnect Impervious Surfaces (see 5)                                                                                                         |
| <input checked="" type="checkbox"/> | Clustered Lot Design                                                                                                                                        |
| <input type="checkbox"/>            | Items checked in 5?                                                                                                                                         |
| <input type="checkbox"/>            | Other. Description:                                                                                                                                         |
| 4.                                  | Minimize Soil Compaction                                                                                                                                    |
| <input checked="" type="checkbox"/> | Restrict heavy construction equipment access to planned green/open space areas                                                                              |
| <input checked="" type="checkbox"/> | Re-till soils compacted by construction vehicles/equipment                                                                                                  |
| <input type="checkbox"/>            | Collect & re-use upper soil layers of development site containing organic Materials                                                                         |
| <input type="checkbox"/>            | Other. Description:                                                                                                                                         |
| 5.                                  | Drain Runoff from Impervious Surfaces to Pervious Areas                                                                                                     |
|                                     | LID Street & Road Design                                                                                                                                    |
| <input checked="" type="checkbox"/> | Curb-cuts to landscaping                                                                                                                                    |
| <input type="checkbox"/>            | Rural Swales                                                                                                                                                |
| <input type="checkbox"/>            | Concave Median                                                                                                                                              |
| <input type="checkbox"/>            | Cul-de-sac Landscaping Design                                                                                                                               |
| <input checked="" type="checkbox"/> | Other. Description: all runoff from streets and roadways are conveyed to proposed detention basins for settling and filtration prior to discharge off-site. |
|                                     | LID Parking Lot Design                                                                                                                                      |
| <input type="checkbox"/>            | Permeable Pavements                                                                                                                                         |

|                                          |                                                                                          |
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| <input type="checkbox"/>                 | Curb-cuts to landscaping                                                                 |
| <input type="checkbox"/>                 | Other. Description:                                                                      |
| LID Driveway, Sidewalk, Bike-path Design |                                                                                          |
| <input type="checkbox"/>                 | Permeable Pavements                                                                      |
| <input type="checkbox"/>                 | Pitch pavements toward landscaping                                                       |
| <input type="checkbox"/>                 | Other. Description:                                                                      |
| LID Building Design                      |                                                                                          |
| <input type="checkbox"/>                 | Cisterns & Rain Barrels                                                                  |
| <input type="checkbox"/>                 | Downspout to swale                                                                       |
| <input type="checkbox"/>                 | Vegetated Roofs                                                                          |
| <input type="checkbox"/>                 | Other. Description:                                                                      |
| LID Landscaping Design                   |                                                                                          |
| <input checked="" type="checkbox"/>      | Soil Amendments                                                                          |
| <input checked="" type="checkbox"/>      | Reuse of Native Soils                                                                    |
| <input checked="" type="checkbox"/>      | Smart Irrigation Systems                                                                 |
| <input checked="" type="checkbox"/>      | Street Trees                                                                             |
| <input type="checkbox"/>                 | Other. Description:                                                                      |
| 6.                                       | Minimize erosion from slopes                                                             |
| <input checked="" type="checkbox"/>      | Disturb existing slopes only when necessary                                              |
| <input checked="" type="checkbox"/>      | Minimize cut and fill areas to reduce slope lengths                                      |
| <input checked="" type="checkbox"/>      | Incorporate retaining walls to reduce steepness of slopes or to shorten slopes           |
| <input checked="" type="checkbox"/>      | Provide benches or terraces on high cut and fill slopes to reduce concentration of flows |
| <input checked="" type="checkbox"/>      | Rounding and shaping slopes to reduce concentrated flow                                  |
| <input checked="" type="checkbox"/>      | Collect concentrated flows in stabilized drains and channels                             |
| <input type="checkbox"/>                 | Other. Description:                                                                      |

## **STEP 6**

### **SOURCE CONTROL**

Please complete the checklist on the following pages to determine Source Control BMPs. Below is instruction on how to use the checklist. (Also see instructions on page 60 of the *SUSMP*)

1. Review Column 1 and identify which of these potential sources of stormwater pollutants apply to your site. Check each box that applies and list in Table 9.
2. Review Column 2 and incorporate all of the corresponding applicable BMPs in your Source Control Exhibit in Attachment B.
3. Review Columns 3 and 4 and incorporate all of the corresponding applicable permanent controls and operational BMPs into Table 9.
4. Use the format in Table 9 below to summarize the project Source Control BMPs. Incorporate all identified Source Control BMPs in your Source Control Exhibit in Attachment B.

**TABLE 9: PROJECT SOURCE CONTROL BMPs**

| <i>*Potential source of runoff pollutants</i> | <i>Permanent source control BMPs</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <i>Operational source control BMPs</i>                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| On-site storm drain inlets                    | Mark all inlets with the words "No Dumping! Flows to Bay" or similar.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Maintain and periodically repaint or replace inlet markings<br>Provided stormwater pollution prevention information to new site owners, lessees, or operators.<br>See applicable operational BMPs in Fact Sheet SC-44, "Drainage System Maintenance," in the CASQA Stormwater Quality Handbooks at <a href="http://www.cabmphandbooks.com">www.cabmphandbooks.com</a> |
| Landscape/Outdoor Pesticide Use               | Preserve existing native trees, shrubs, and ground cover to the maximum extent possible.<br>Design landscaping to minimize irrigation and runoff, to promote surface infiltration where appropriate, and to minimize the use of fertilizers and pesticides that can contribute to stormwater pollution.<br>Where landscaped areas are used to retain or detain stormwater, specify plants that are tolerant of saturated soil conditions.<br>Consider using pest-resistant plants, especially adjacent to hardscape.<br>To insure successful establishment, select plants appropriate to site soils, slopes, climate, sun, wind, rain, | Maintain landscaping using minimum or no pesticide use.                                                                                                                                                                                                                                                                                                               |

|  |                                                                         |  |
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|  | land use, air movement, ecological consistency, and plant interactions. |  |
|--|-------------------------------------------------------------------------|--|

Describe your specific Source Control BMPs in an accompanying narrative, and explain any special conditions or situations that required omitting Source Control BMPs or substituting alternatives.

Once the site is mass graded, and before slope planting and pad stabilization is established, the disturbed areas should be hydroseeded and/or stabilized with BFM to prevent sediment generation and transport. The hydroseed mix should be native pest and drought tolerant species to reduce the amount of irrigation that can generate runoff and erosion, and the amount of pesticides and fertilizer that can be carried by the runoff to downstream water bodies. Due to large size of the site, people accessing the site may leave behind trash and debris that may accumulate at drain inlets and enter the storm drain and, subsequently, be conveyed to downstream water bodies. Prohibitive signs should be installed at the drain inlets to remind people not to leave trash, debris and other pollutants behind, especially near the inlets that can enter the drainage system. The site manager should be vigilant to keep the site clean, especially around drain inlets and prior and post runoff producing storms.

| ... THEN YOUR STORMWATER CONTROL PLAN SHOULD INCLUDE THESE SOURCE CONTROL BMPs  |                                                                 |                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                                                                               | 2                                                               | 3                                                                                                                          | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Potential Sources of Runoff Pollutants                                          | Permanent Controls—Show on Source Control Exhibit, Attachment B | Permanent Controls—List in SUSMP Table and Narrative                                                                       | Operational BMPs—Include in SUSMP Table and Narrative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <input checked="" type="checkbox"/> A. On-site storm drain inlets               | <input checked="" type="checkbox"/> Locations of inlets.        | <input checked="" type="checkbox"/> Mark all inlets with the words “No Dumping! Flows to Bay” or similar.                  | <input checked="" type="checkbox"/> Maintain and periodically repaint or replace inlet markings.<br><br><input checked="" type="checkbox"/> Provide stormwater pollution prevention information to new site owners, lessees, or operators.<br><br><input checked="" type="checkbox"/> See applicable operational BMPs in Fact Sheet SC-44, “Drainage System Maintenance,” in the CASQA Stormwater Quality Handbooks at <a href="http://www.cabmphandbooks.com">www.cabmphandbooks.com</a><br><br><input type="checkbox"/> Include the following in lease agreements: “Tenant shall not allow anyone to discharge anything to storm drains or to store or deposit materials so as to create a potential discharge to storm drains.” |
| <input type="checkbox"/> B. Interior floor drains and elevator shaft sump pumps |                                                                 | <input type="checkbox"/> State that interior floor drains and elevator shaft sump pumps will be plumbed to sanitary sewer. | <input type="checkbox"/> Inspect and maintain drains to prevent blockages and overflow.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <input type="checkbox"/> C. Interior parking garages                            |                                                                 | <input type="checkbox"/> State that parking garage floor drains will be plumbed to the sanitary sewer.                     | <input type="checkbox"/> Inspect and maintain drains to prevent blockages and overflow.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <p><b>IF THESE SOURCES<br/>WILL BE ON THE<br/>PROJECT SITE ...</b></p>                                  | <p><b>... THEN YOUR STORMWATER CONTROL PLAN SHOULD INCLUDE THESE SOURCE CONTROL BMPs</b></p>                                                                                                                    |                                                                                     |                                                                                      |
| <p><b>1</b><br/><b>Potential Sources of<br/>Runoff Pollutants</b></p>                                   | <p><b>2</b><br/><b>Permanent Controls—Show on<br/>Source Control Exhibit, Attachment<br/>B</b></p>                                                                                                              | <p><b>3</b><br/><b>Permanent Controls—List in SUSMP<br/>Table and Narrative</b></p> | <p><b>4</b><br/><b>Operational BMPs—Include in<br/>SUSMP Table and Narrative</b></p> |
| <p><input type="checkbox"/> <b>D1. Need for future<br/>indoor &amp; structural pest<br/>control</b></p> | <p><input type="checkbox"/> Note building design features that discourage entry of pests.</p> <p><input type="checkbox"/> Provide Integrated Pest Management information to owners, lessees, and operators.</p> |                                                                                     |                                                                                      |

| IF THESE SOURCES<br>WILL BE ON THE<br>PROJECT SITE ...                                                                                                                      | ... THEN YOUR STORMWATER CONTROL PLAN SHOULD INCLUDE THESE SOURCE CONTROL BMPs                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1<br>Potential Sources of<br>Runoff Pollutants                                                                                                                              | 2<br>Permanent Controls—Show on<br>Source Control Exhibit, Attachment<br>B                                                                                                                                                                                                                                                  | 3<br>Permanent Controls—List in SUSMP<br>Table and Narrative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4<br>Operational BMPs—Include in<br>SUSMP Table and Narrative                                                                                                                                                                                                                                                                                                                                                                                        |
| <input checked="" type="checkbox"/> <b>D2. Landscape/<br/>Outdoor Pesticide Use</b><br><br>Note: Should be<br>consistent with project<br>landscape plan (if<br>applicable). | <input checked="" type="checkbox"/> Show locations of native trees or<br>areas of shrubs and ground cover to<br>be undisturbed and retained.<br><br><input checked="" type="checkbox"/> Show self-retaining landscape<br>areas, if any.<br><br><input checked="" type="checkbox"/> Show stormwater treatment<br>facilities. | State that final landscape plans will<br>accomplish all of the following:<br><br><input checked="" type="checkbox"/> Preserve existing native trees, shrubs,<br>and ground cover to the maximum<br>extent possible.<br><br><input checked="" type="checkbox"/> Design landscaping to minimize<br>irrigation and runoff, to promote<br>surface infiltration where appropriate,<br>and to minimize the use of fertilizers<br>and pesticides that can contribute to<br>stormwater pollution.<br><br><input checked="" type="checkbox"/> Where landscaped areas are used to<br>retain or detain stormwater, specify<br>plants that are tolerant of saturated<br>soil conditions.<br><br><input checked="" type="checkbox"/> Consider using pest-resistant plants,<br>especially adjacent to hardscape.<br><br><input checked="" type="checkbox"/> To insure successful establishment,<br>select plants appropriate to site soils,<br>slopes, climate, sun, wind, rain, land<br>use, air movement, ecological<br>consistency, and plant interactions. | <input checked="" type="checkbox"/> Maintain landscaping using<br>minimum or no pesticides.<br><br><input type="checkbox"/> See applicable operational BMPs in<br>Fact Sheet SC-41, "Building and<br>Grounds Maintenance," in the<br>CASQA Stormwater Quality<br>Handbooks at<br><a href="http://www.cabmphandbooks.com">www.cabmphandbooks.com</a><br><br><input type="checkbox"/> Provide IPM information to new<br>owners, lessees and operators. |

| ... THEN YOUR STORMWATER CONTROL PLAN SHOULD INCLUDE THESE SOURCE CONTROL BMPs                  |                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                |                                                       |
|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| IF THESE SOURCES WILL BE ON THE PROJECT SITE ...                                                | 1                                                                                                                                                                                                                                                                                                                                                                                                    | 2                                                                                                                                                                                                                                                              | 3                                                                                                                                                                                                                              | 4                                                     |
|                                                                                                 | Potential Sources of Runoff Pollutants                                                                                                                                                                                                                                                                                                                                                               | Permanent Controls—Show on Source Control Exhibit, Attachment B                                                                                                                                                                                                | Permanent Controls—List in SUSMP Table and Narrative                                                                                                                                                                           | Operational BMPs—Include in SUSMP Table and Narrative |
| <input type="checkbox"/> E. Pools, spas, ponds, decorative fountains, and other water features. | <input type="checkbox"/> Show location of water feature and a sanitary sewer cleanout in an accessible area within 10 feet.                                                                                                                                                                                                                                                                          | <input type="checkbox"/> If the local municipality requires pools to be plumbed to the sanitary sewer, place a note on the plans and state in the narrative that this connection will be made according to local requirements.                                 | <input type="checkbox"/> See applicable operational BMPs in Fact Sheet SC-72, “Fountain and Pool Maintenance,” in the CASQA Stormwater Quality Handbooks at <a href="http://www.cabmphandbooks.com">www.cabmphandbooks.com</a> |                                                       |
| <input type="checkbox"/> F. Food service                                                        | <input type="checkbox"/> For restaurants, grocery stores, and other food service operations, show location (indoors or in a covered area outdoors) of a floor sink or other area for cleaning floor mats, containers, and equipment.<br><br><input type="checkbox"/> On the drawing, show a note that this drain will be connected to a grease interceptor before discharging to the sanitary sewer. | <input type="checkbox"/> Describe the location and features of the designated cleaning area.<br><br><input type="checkbox"/> Describe the items to be cleaned in this facility and how it has been sized to insure that the largest items can be accommodated. | <input type="checkbox"/>                                                                                                                                                                                                       |                                                       |



| IF THESE SOURCES<br>WILL BE ON THE<br>PROJECT SITE ...   | ... THEN YOUR STORMWATER CONTROL PLAN SHOULD INCLUDE THESE SOURCE CONTROL BMPs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1<br>Potential Sources of<br>Runoff Pollutants           | 2<br>Permanent Controls—Show on<br>Source Control Exhibit, Attachment<br>B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3<br>Permanent Controls—List in SUSMP<br>Table and Narrative                                                                                                                                                                                                                   | 4<br>Operational BMPs—Include in<br>SUSMP Table and Narrative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <input type="checkbox"/> <b>G. Refuse areas</b>          | <input type="checkbox"/> Show where site refuse and recycled materials will be handled and stored for pickup. See local municipal requirements for sizes and other details of refuse areas.<br><br><input type="checkbox"/> If dumpsters or other receptacles are outdoors, show how the designated area will be covered, graded, and paved to prevent runoff and show locations of berms to prevent runoff from the area.<br><br><input type="checkbox"/> Any drains from dumpsters, compactors, and tallow bin areas shall be connected to a grease removal device before discharge to sanitary sewer. | <input type="checkbox"/> State how site refuse will be handled and provide supporting detail to what is shown on plans.<br><br><input type="checkbox"/> State that signs will be posted on or near dumpsters with the words “Do not dump hazardous materials here” or similar. | <input type="checkbox"/> State how the following will be implemented:<br><br>Provide adequate number of receptacles. Inspect receptacles regularly; repair or replace leaky receptacles. Keep receptacles covered. Prohibit/prevent dumping of liquid or hazardous wastes. Post “no hazardous materials” signs. Inspect and pick up litter daily and clean up spills immediately. Keep spill control materials available on-site. See Fact Sheet SC-34, “Waste Handling and Disposal” in the CASQA Stormwater Quality Handbooks at <a href="http://www.cabmphandbooks.com">www.cabmphandbooks.com</a> |
| <input type="checkbox"/> <b>H. Industrial processes.</b> | <input type="checkbox"/> Show process area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> If industrial processes are to be located on site, state: “All process activities to be performed indoors. No processes to drain to exterior or to storm drain system.”                                                                               | <input type="checkbox"/> See Fact Sheet SC-10, “Non-Stormwater Discharges” in the CASQA Stormwater Quality Handbooks at <a href="http://www.cabmphandbooks.com">www.cabmphandbooks.com</a>                                                                                                                                                                                                                                                                                                                                                                                                            |

| ... THEN YOUR STORMWATER CONTROL PLAN SHOULD INCLUDE THESE SOURCE CONTROL BMPs                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                      |   |
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| IF THESE SOURCES<br>WILL BE ON THE<br>PROJECT SITE ...                                                                                                               | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3                                                                                                                                                                                                                                                    | 4 |
| Potential Sources of<br>Runoff Pollutants                                                                                                                            | Permanent Controls—Show on<br>Source Control Exhibit, Attachment<br>B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Permanent Controls—List in SUSMP<br>Table and Narrative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Operational BMPs—Include in<br>SUSMP Table and Narrative                                                                                                                                                                                             |   |
| <input type="checkbox"/> I. Outdoor storage of equipment or materials. (See rows J and K for source control measures for vehicle cleaning, repair, and maintenance.) | <input type="checkbox"/> Show any outdoor storage areas, including how materials will be covered. Show how areas will be graded and bermed to prevent run-on or run-off from area.<br><br><input type="checkbox"/> Storage of non-hazardous liquids shall be covered by a roof and/or drain to the sanitary sewer system, and be contained by berms, dikes, liners, or vaults.<br><br><input type="checkbox"/> Storage of hazardous materials and wastes must be in compliance with the local hazardous materials ordinance and a Hazardous Materials Management Plan for the site. | <input type="checkbox"/> Include a detailed description of materials to be stored, storage areas, and structural features to prevent pollutants from entering storm drains.<br><br>Where appropriate, reference documentation of compliance with the requirements of local Hazardous Materials Programs for: <ul style="list-style-type: none"><li>▪ Hazardous Waste Generation</li><li>▪ Hazardous Materials Release Response and Inventory</li><li>▪ California Accidental Release (CalARP)</li><li>▪ Aboveground Storage Tank</li><li>▪ Uniform Fire Code Article 80 Section 103(b) &amp; (c) 1991</li><li>▪ Underground Storage Tank</li></ul> | <input type="checkbox"/> See the Fact Sheets SC-31, “Outdoor Liquid Container Storage” and SC-33, “Outdoor Storage of Raw Materials” in the CASQA Stormwater Quality Handbooks at <a href="http://www.cabmphandbooks.com">www.cabmphandbooks.com</a> |   |

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| <input type="checkbox"/> <b>J. Vehicle and Equipment Cleaning</b> | <input type="checkbox"/> Show on drawings as appropriate:<br>(1) Commercial/industrial facilities having vehicle /equipment cleaning needs shall either provide a covered, bermed area for washing activities or discourage vehicle/equipment washing by removing hose bibs and installing signs prohibiting such uses.<br>(2) Multi-dwelling complexes shall have a paved, bermed, and covered car wash area (unless car washing is prohibited on-site and hoses are provided with an automatic shut-off to discourage such use).<br>(3) Washing areas for cars, vehicles, and equipment shall be paved, designed to prevent run-on to or runoff from the area, and plumbed to drain to the sanitary sewer.<br>(4) Commercial car wash facilities shall be designed such that no runoff from the facility is discharged to the storm drain system. Wastewater from the facility shall discharge to the sanitary sewer, or a wastewater reclamation system shall be installed. | <input type="checkbox"/> If a car wash area is not provided, describe measures taken to discourage on-site car washing and explain how these will be enforced. | Describe operational measures to implement the following (if applicable):<br><input type="checkbox"/> Wastewater from vehicle and equipment washing operations shall not be discharged to the storm drain system.<br><input type="checkbox"/> Car dealerships and similar may rinse cars with water only.<br><input type="checkbox"/> See Fact Sheet SC-21, "Vehicle and Equipment Cleaning," in the CASQA Stormwater Quality Handbooks at <a href="http://www.cabmphandbooks.com">www.cabmphandbooks.com</a> |
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| <input type="checkbox"/> <b>K. Vehicle/Equipment Repair and Maintenance</b> | <input type="checkbox"/> Accommodate all vehicle equipment repair and maintenance indoors. Or designate an outdoor work area and design the area to prevent run-on and runoff of stormwater.<br><br><input type="checkbox"/> Show secondary containment for exterior work areas where motor oil, brake fluid, gasoline, diesel fuel, radiator fluid, acid-containing batteries or other hazardous materials or hazardous wastes are used or stored. Drains shall not be installed within the secondary containment areas.<br><br><input type="checkbox"/> Add a note on the plans that states either (1) there are no floor drains, or (2) floor drains are connected to wastewater pretreatment systems prior to discharge to the sanitary sewer and an industrial waste discharge permit will be obtained. | <input type="checkbox"/> State that no vehicle repair or maintenance will be done outdoors, or else describe the required features of the outdoor work area.<br><br><input type="checkbox"/> State that there are no floor drains or if there are floor drains, note the agency from which an industrial waste discharge permit will be obtained and that the design meets that agency's requirements.<br><br><input type="checkbox"/> State that there are no tanks, containers or sinks to be used for parts cleaning or rinsing or, if there are, note the agency from which an industrial waste discharge permit will be obtained and that the design meets that agency's requirements. | <p>In the SUSMP report, note that all of the following restrictions apply to use the site:</p> <p><input type="checkbox"/> No person shall dispose of, nor permit the disposal, directly or indirectly of vehicle fluids, hazardous materials, or rinsewater from parts cleaning into storm drains.</p> <p><input type="checkbox"/> No vehicle fluid removal shall be performed outside a building, nor on asphalt or ground surfaces, whether inside or outside a building, except in such a manner as to ensure that any spilled fluid will be in an area of secondary containment. Leaking vehicle fluids shall be contained or drained from the vehicle immediately.</p> <p><input type="checkbox"/> No person shall leave unattended drip parts or other open containers containing vehicle fluid, unless such containers are in use or in an area of secondary containment.</p> |
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| <p><input type="checkbox"/> <b>L. Fuel Dispensing Areas</b></p> | <p><input type="checkbox"/> Fueling areas<sup>1</sup> shall have impermeable floors (i.e., portland cement concrete or equivalent smooth impervious surface) that are: a) graded at the minimum slope necessary to prevent ponding; and b) separated from the rest of the site by a grade break that prevents run-on of stormwater to the maximum extent practicable.</p> <p><input type="checkbox"/> Fueling areas shall be covered by a canopy that extends a minimum of ten feet in each direction from each pump. [Alternative: The fueling area must be covered and the cover's minimum dimensions must be equal to or greater than the area within the grade break or fuel dispensing area<sup>1</sup>.] The canopy [or cover] shall not drain onto the fueling area.</p> |  | <p><input type="checkbox"/> The property owner shall dry sweep the fueling area routinely.</p> <p><input type="checkbox"/> See the Business Guide Sheet, "Automotive Service—Service Stations" in the CASQA Stormwater Quality Handbooks at <a href="http://www.cabmphandbooks.com">www.cabmphandbooks.com</a></p> |
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<sup>1</sup> The fueling area shall be defined as the area extending a minimum of 6.5 feet from the corner of each fuel dispenser or the length at which the hose and nozzle assembly may be operated plus a minimum of one foot, whichever is greater.

|                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                    |                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> <b>M. Loading Docks</b>             | <input type="checkbox"/> Show a preliminary design for the loading dock area, including roofing and drainage. Loading docks shall be covered and/or graded to minimize run-on to and runoff from the loading area. Roof downspouts shall be positioned to direct stormwater away from the loading area. Water from loading dock areas should be drained to the sanitary sewer where feasible. Direct connections to storm drains from depressed loading docks are prohibited.<br><br><input type="checkbox"/> Loading dock areas draining directly to the sanitary sewer shall be equipped with a spill control valve or equivalent device, which shall be kept closed during periods of operation.<br><br><input type="checkbox"/> Provide a roof overhang over the loading area or install door skirts (cowling) at each bay that enclose the end of the trailer. |                                                                                                    | <input type="checkbox"/> Move loaded and unloaded items indoors as soon as possible.<br><br><input type="checkbox"/> See Fact Sheet SC-30, "Outdoor Loading and Unloading," in the CASQA Stormwater Quality Handbooks at <a href="http://www.cabmphandbooks.com">www.cabmphandbooks.com</a> |
| <input type="checkbox"/> <b>N. Fire Sprinkler Test Water</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <input type="checkbox"/> Provide a means to drain fire sprinkler test water to the sanitary sewer. | <input type="checkbox"/> See the note in Fact Sheet SC-41, "Building and Grounds Maintenance," in the CASQA Stormwater Quality Handbooks at <a href="http://www.cabmphandbooks.com">www.cabmphandbooks.com</a>                                                                              |

|                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p><b>O. Miscellaneous Drain or Wash Water</b></p> <p><input type="checkbox"/> Boiler drain lines</p> <p><input type="checkbox"/> Condensate drain lines</p> <p><input type="checkbox"/> Rooftop equipment</p> <p><input type="checkbox"/> Drainage sumps</p> <p><input type="checkbox"/> Roofing, gutters, and trim.</p> |  | <p><input type="checkbox"/> Boiler drain lines shall be directly or indirectly connected to the sanitary sewer system and may not discharge to the storm drain system.</p> <p><input type="checkbox"/> Condensate drain lines may discharge to landscaped areas if the flow is small enough that runoff will not occur. Condensate drain lines may not discharge to the storm drain system.</p> <p><input type="checkbox"/> Rooftop mounted equipment with potential to produce pollutants shall be roofed and/or have secondary containment.</p> <p><input type="checkbox"/> Any drainage sumps on-site shall feature a sediment sump to reduce the quantity of sediment in pumped water.</p> <p><input type="checkbox"/> Avoid roofing, gutters, and trim made of copper or other unprotected metals that may leach into runoff.</p> |  |
| <p><input type="checkbox"/> P. Plazas, sidewalks, and parking lots.</p>                                                                                                                                                                                                                                                   |  | <p><input type="checkbox"/> Plazas, sidewalks, and parking lots shall be swept regularly to prevent the accumulation of litter and debris. Debris from pressure washing shall be collected to prevent entry into the storm drain system. Washwater containing any cleaning agent or degreaser shall be collected and discharged to the sanitary sewer and not discharged to a storm drain.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |





## STEP 7

### LID AND TREATMENT CONTROL SELECTION

A treatment control BMP and/or LID facility must be selected to treat the project pollutants of concern identified in Table 7 “Project Pollutants of Concern”. A treatment control facility with a high or medium pollutant removal efficiency for the project’s most significant pollutant of concern shall be selected. It is recommended to use the design procedure in Chapter 4 of the SUSMP to meet NPDES permit LID requirements, treatment requirements, and flow control requirements. If your project does not utilize this approach, the project will need to demonstrate compliance with LID, treatment and flow control requirements. Review Chapter 2 “Selection of Stormwater Treatment Facilities” in the SUSMP to assist in determining the appropriate treatment facility for your project.

|                                                                                                                                                                                                                                                 |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Will this project be utilizing the unified LID design procedure as described in Chapter 4 of the Local SUSMP? <i>(If yes, please document in Attachment D following the steps in Chapter 4 of the County SUSMP)</i>                             |  |
| <b>Yes</b>                                                                                                                                                                                                                                      |  |
| If this project is not utilizing the unified LID design procedure, please describe how the alternative treatment facilities will comply with applicable LID criteria, stormwater treatment criteria, and hydromodification management criteria. |  |
|                                                                                                                                                                                                                                                 |  |

- Indicate the project pollutants of concern (POCs) from Table 7 in Column 2 below.

**TABLE 10: GROUPING OF POTENTIAL POLLUTANTS of Concern (POCs) by fate during stormwater treatment**

| Pollutant         | Check Project Specific POCs | Coarse Sediment and Trash | Pollutants that tend to associate with fine particles during treatment | Pollutants that tend to be dissolved following treatment |
|-------------------|-----------------------------|---------------------------|------------------------------------------------------------------------|----------------------------------------------------------|
| Sediment          | X                           | X                         | X                                                                      |                                                          |
| Nutrients         | X                           |                           | X                                                                      | X                                                        |
| Heavy Metals      | X                           |                           | X                                                                      |                                                          |
| Organic Compounds | X                           |                           | X                                                                      |                                                          |
| Trash & Debris    | X                           | X                         |                                                                        |                                                          |
| Oxygen Demanding  | X                           |                           | X                                                                      |                                                          |
| Bacteria          |                             |                           | X                                                                      |                                                          |
| Oil & Grease      | X                           |                           | X                                                                      |                                                          |
| Pesticides        | X                           |                           | X                                                                      |                                                          |

- Indicate the treatment facility(s) chosen for this project in the following table.

**TABLE 11: GROUPS OF POLLUTANTS and relative effectiveness of treatment facilities**

| Pollutants of Concern                                                  | Bioretention Facilities (LID) | Settling Basins (Dry Ponds) | Wet Ponds and Constructed Wetlands | Infiltration Facilities or Practices (LID) | Media Filters | Higher-rate biofilters* | Higher-rate media filters* | Trash Racks & Hydro-dynamic Devices | Vegetated Swales |
|------------------------------------------------------------------------|-------------------------------|-----------------------------|------------------------------------|--------------------------------------------|---------------|-------------------------|----------------------------|-------------------------------------|------------------|
| Coarse Sediment and Trash                                              | High                          | High                        | High                               | High                                       | High          | High                    | High                       | High                                | High             |
| Pollutants that tend to associate with fine particles during treatment | High                          | High                        | High                               | High                                       | High          | Medium                  | Medium                     | Low                                 | Medium           |
| Pollutants that tend to be dissolved following treatment               | Medium                        | Low                         | Medium                             | High                                       | Low           | Low                     | Low                        | Low                                 | Low              |

- Please check the box(s) that best describes the Treatment BMP(s) and/or LID BMP selected for this project.

**TABLE 12: PROJECT LID AND TC-BMPS**

| LID and TC-BMP Type                                                                          | Water Quality Treatment Only | Hydromodification Flow Control |
|----------------------------------------------------------------------------------------------|------------------------------|--------------------------------|
| <b>Bioretention Facilities (LID)</b>                                                         |                              |                                |
| <input checked="" type="checkbox"/> Bioretention area                                        | X                            |                                |
| <input type="checkbox"/> Flow-through Planter                                                |                              |                                |
| <input type="checkbox"/> Cistern with Bioretention                                           |                              |                                |
| <b>Settling Basins (Dry Ponds)</b>                                                           |                              |                                |
| <input checked="" type="checkbox"/> Extended/dry detention basin with grass/vegetated lining | X                            | X                              |
| <input checked="" type="checkbox"/> Extended/dry detention basin with impervious lining      | X                            |                                |
| <b>Infiltration Devices (LID)</b>                                                            |                              |                                |
| <input type="checkbox"/> Infiltration basin                                                  |                              |                                |
| <input type="checkbox"/> Infiltration trench                                                 |                              |                                |
| <input type="checkbox"/> Other _____                                                         |                              |                                |
| <b>Wet Ponds and Constructed Wetlands</b>                                                    |                              |                                |
| <input type="checkbox"/> Wet pond/basin (permanent pool)                                     |                              |                                |
| <input type="checkbox"/> Constructed wetland                                                 |                              |                                |
| <b>Vegetated Swales (LID<sup>(1)</sup>)</b>                                                  |                              |                                |
| <input type="checkbox"/> Vegetated Swale                                                     |                              |                                |

|                                                                                  |  |  |
|----------------------------------------------------------------------------------|--|--|
| <b>Media Filters</b>                                                             |  |  |
| <input type="checkbox"/> Austin Sand Filter                                      |  |  |
| <input type="checkbox"/> Delaware Sand Filter                                    |  |  |
| <input type="checkbox"/> Multi-Chambered Treatment Train (MCTT)                  |  |  |
| <b>Higher-rate Biofilters</b>                                                    |  |  |
| <input type="checkbox"/> Tree-pit-style unit                                     |  |  |
| <input type="checkbox"/> Other _____                                             |  |  |
| <b>Higher-rate Media Filters</b>                                                 |  |  |
| <input type="checkbox"/> Vault-based filtration unit with replaceable cartridges |  |  |
| <input type="checkbox"/> Other _____                                             |  |  |
| <b>Hydrodynamic Separator Systems</b>                                            |  |  |
| <input type="checkbox"/> Swirl Concentrator                                      |  |  |
| <input type="checkbox"/> Cyclone Separator                                       |  |  |
| <b>Trash Racks</b>                                                               |  |  |
| <input type="checkbox"/> Catch Basin Insert                                      |  |  |
| <input type="checkbox"/> Catch Basin Insert w/ Hydrocarbon boom                  |  |  |
| <input type="checkbox"/> Other _____                                             |  |  |

<sup>(1)</sup> Must be designed per SUSMP “Vegetated Swales” design criteria for water quality treatment credit (p. 65)

For design guidelines and calculations refer to Chapter 4 “Low Impact Development Design Guide” in the SUSMP. Please show all calculations and design sheets for all treatment facilities proposed in Attachment D.

- Create a Construction Plan SWMP Checklist for your project.

Instructions on how to fill out table

1. Number and list each measure or BMP you have specified in your SWMP in Columns 1 and Maintenance Category in Column 3 of the table. Leave Column 2 blank.
2. When you submit construction plans, duplicate the table (by photocopy or electronically). Now fill in Column 2, identifying the plan sheets where the BMPs are shown. List all plan sheets on which the BMP appears. This table must be shown on the front sheet of the grading and improvement plans.

| Stormwater Treatment Control and LID BMP's                                                                                                       |       |                      |           |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------|-----------|
| Description / Type                                                                                                                               | Sheet | Maintenance Category | Revisions |
|                                                                                                                                                  |       |                      |           |
|                                                                                                                                                  |       |                      |           |
| Bioretention Area                                                                                                                                |       | 1                    |           |
| Settling Basin - Detention<br>Basins w/vegetated lining<br>Settling Basin – Dry<br>Detention Basin with<br>Impervious lining (Sediment<br>Traps) |       | 3                    |           |
|                                                                                                                                                  |       |                      |           |
|                                                                                                                                                  |       |                      |           |

The selected vegetated swales have high efficiency treating sediments (pollutant of concern per [www.projectcleanwater.org](http://www.projectcleanwater.org)) and trash& debris, median efficiency treating all other types of pollutants, including nutrients and bacteria & viruses (pollutants of concern per [www.projectcleanwater.org](http://www.projectcleanwater.org)). The proposed vegetated swales along with landscaped areas will also provide water quality runoff retention storage space within the porous spaces in the underlying soft soil, and over time, allowing the water quality runoff volume to slowing infiltrating into the compacted soil. The bioretention and infiltration capabilities of the proposed vegetated swale and landscaped areas have high efficiencies in removed all anticipated and potential pollutants associated with the proposed grading construction.

## **STEP 8**

### **OPERATION AND MAINTENANCE**

- Please check the box that best describes the maintenance mechanism(s) for this project.

**TABLE 13: PROJECT BMP CATEGORY**

| CATEGORY            | SELECTED |    | BMP Description                                               |
|---------------------|----------|----|---------------------------------------------------------------|
|                     | YES      | NO |                                                               |
| First               | X        |    | Irrigation and Bioretention, Detention Basins, sediment traps |
| Second <sup>1</sup> | X        |    |                                                               |
| Third <sup>2</sup>  | X        |    |                                                               |
| Fourth              |          |    |                                                               |

Note:

1. A recorded maintenance agreement will be required.
  2. Project will be required to establish or be included in a Stormwater Maintenance Assessment District for the long-term maintenance of treatment BMPs.
- Please list all individual LID and Treatment Control BMPs (TC-BMPs) incorporated into project. Please ensure the “BMP Identifier” is consistent with the legend in Attachment C “LID and/or TC-BMP Exhibit”. Please attach the record plan sheets upon completion of project and amend the Major SWMP where appropriate. For each type of LID or TC-BMP provide an inspection sheet in Attachment F “Maintenance Plan”.

**TABLE 14: PROJECT SPECIFIC LID AND TC-BMPS**

| BMP Identifier*                                 | LID or TC-BMP Type          | BMP Pollutant of Concern Efficiency (H,M,L) – Table 11  | Final Construction Date<br><i>(to be completed by County inspector)</i> | Final Construction Inspector Name<br><i>(to be completed by County inspector)</i> |
|-------------------------------------------------|-----------------------------|---------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Irrigation and Bioretention in landscaped areas | Irrigation and Bioretention | Sediment (H)<br>Nutrients (H)<br>Bacteria & Viruses (H) |                                                                         |                                                                                   |
| Detention basins                                | Settling and filtration     | Sediment (H)<br>Nutrients (H)<br>Bacteria & Viruses (H) |                                                                         |                                                                                   |
| Sediment Traps                                  | Settling                    | Sediment (H)<br>Nutrients (H)<br>Bacteria & Viruses (H) |                                                                         |                                                                                   |



Responsible Party for Long-term Maintenance:

Identify the parties responsible for long-term maintenance of the BMPs identified above and Source Controls specified in Attachment B. Include the appropriate written agreement with the entities responsible for O&M in Attachment F. Please see Chapter 5 “Private Ownership and Maintenance” on page 94 of the County SUSMP for appropriate maintenance mechanisms.

|                 |                                 |
|-----------------|---------------------------------|
| Name:           | Randy Goodson                   |
| Company Name:   | Accretive Capital Partners, LLC |
| Phone Number:   | 858-546-0700                    |
| Street Address: | 3655 Nobel Drive, Suite 650     |
| City/State/Zip: | San Diego, Ca 92122             |
| Email Address:  |                                 |

Funding Source:

Provide the funding source or sources for long-term operation and maintenance of each BMP identified above. By certifying the Major SWMP the applicant is certifying that the funding responsibilities have been addressed and will be transferred to future owners.

The primary funding mechanism will be a special assessment under the authority of the Flood Control District. The assessment will be collected with property tax. Because this primary funding mechanism will require substantial amount of time to establish and collect assessments, a developer fee is required to cover the initial maintenance period of 24 months

## ATTACHMENTS

Please include the following attachments.

| ATTACHMENT |                                                                                            | COMPLETED | N/A |
|------------|--------------------------------------------------------------------------------------------|-----------|-----|
| A          | Project Location Map                                                                       | X         |     |
| B          | Source Control Exhibit                                                                     | X         |     |
| C          | LID and/or TC-BMP Exhibit                                                                  | X         |     |
| D          | Drainage Management Area (DMA) Maps, Sizing Design Calculations and BMP/IMP Design Details | X         |     |
| E          | Geotechnical Certification Sheet                                                           |           | X   |
| F          | Maintenance Plan                                                                           | X         |     |
| G          | Tracking Report                                                                            | X         |     |
| H          | Addendum                                                                                   |           |     |

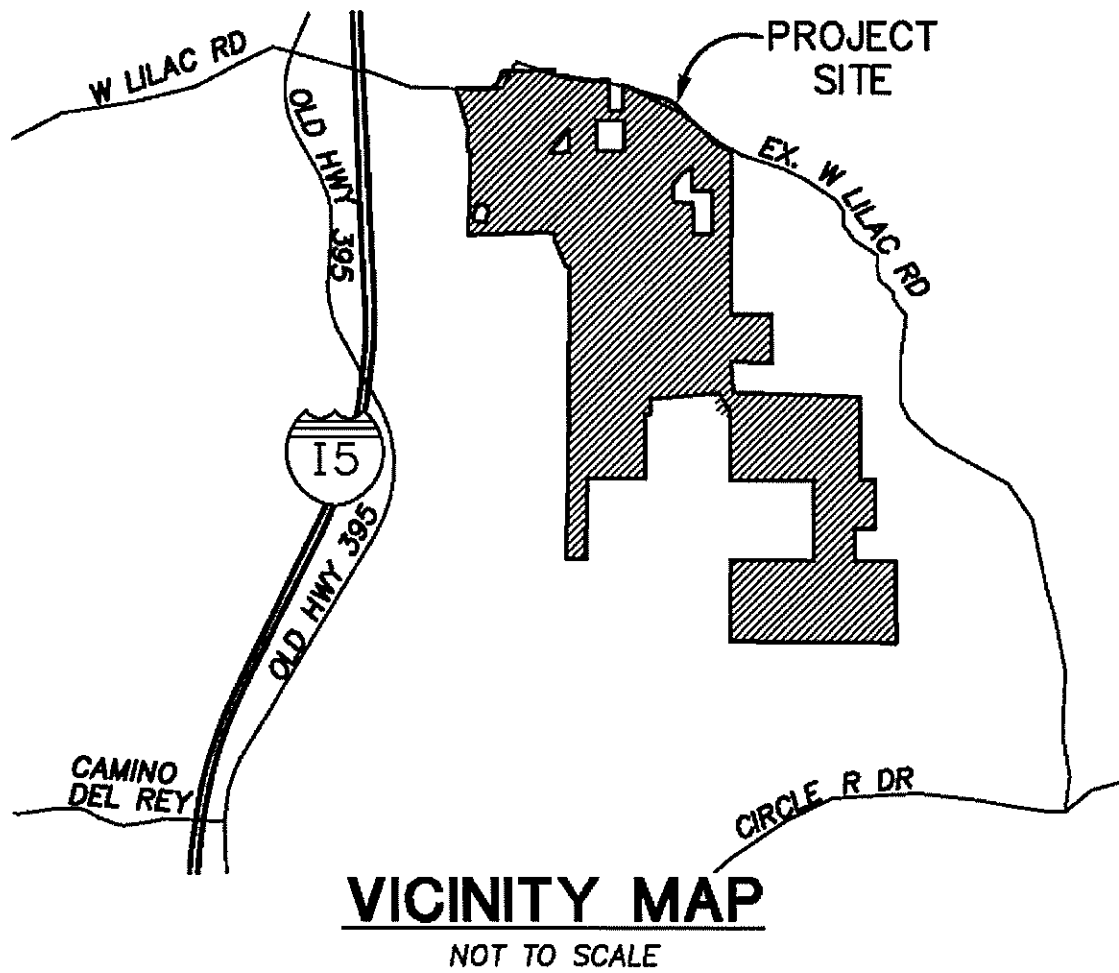
**Note:** Attachments B and C may be combined.





# ATTACHMENT A

## Project Location Map



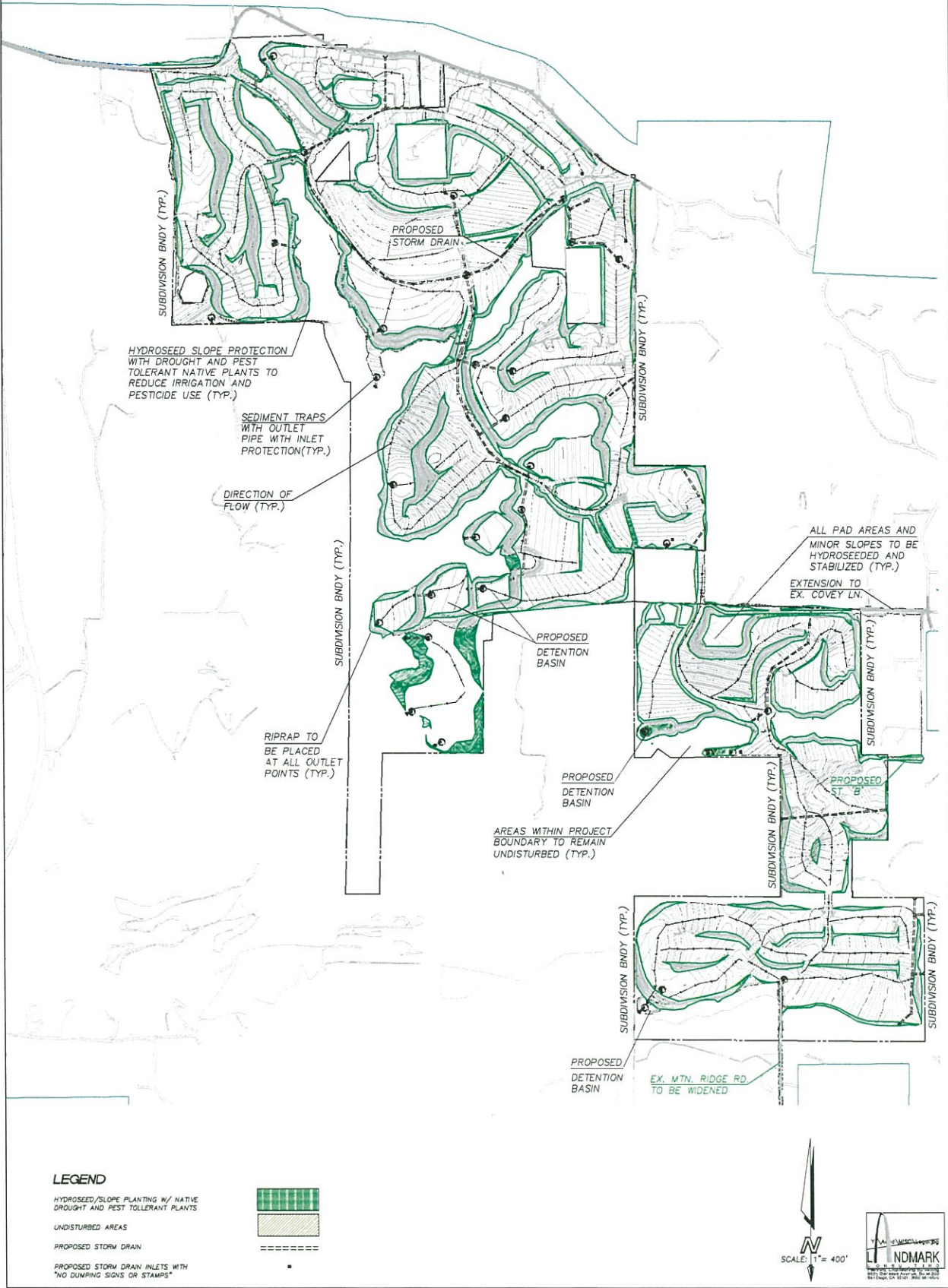


# **ATTACHMENT B**

## **Source Control Exhibit**



SOURCE CONTROL BMP MAP FOR  
LILAC HILLS RANCH, TM 5571 RPL-2



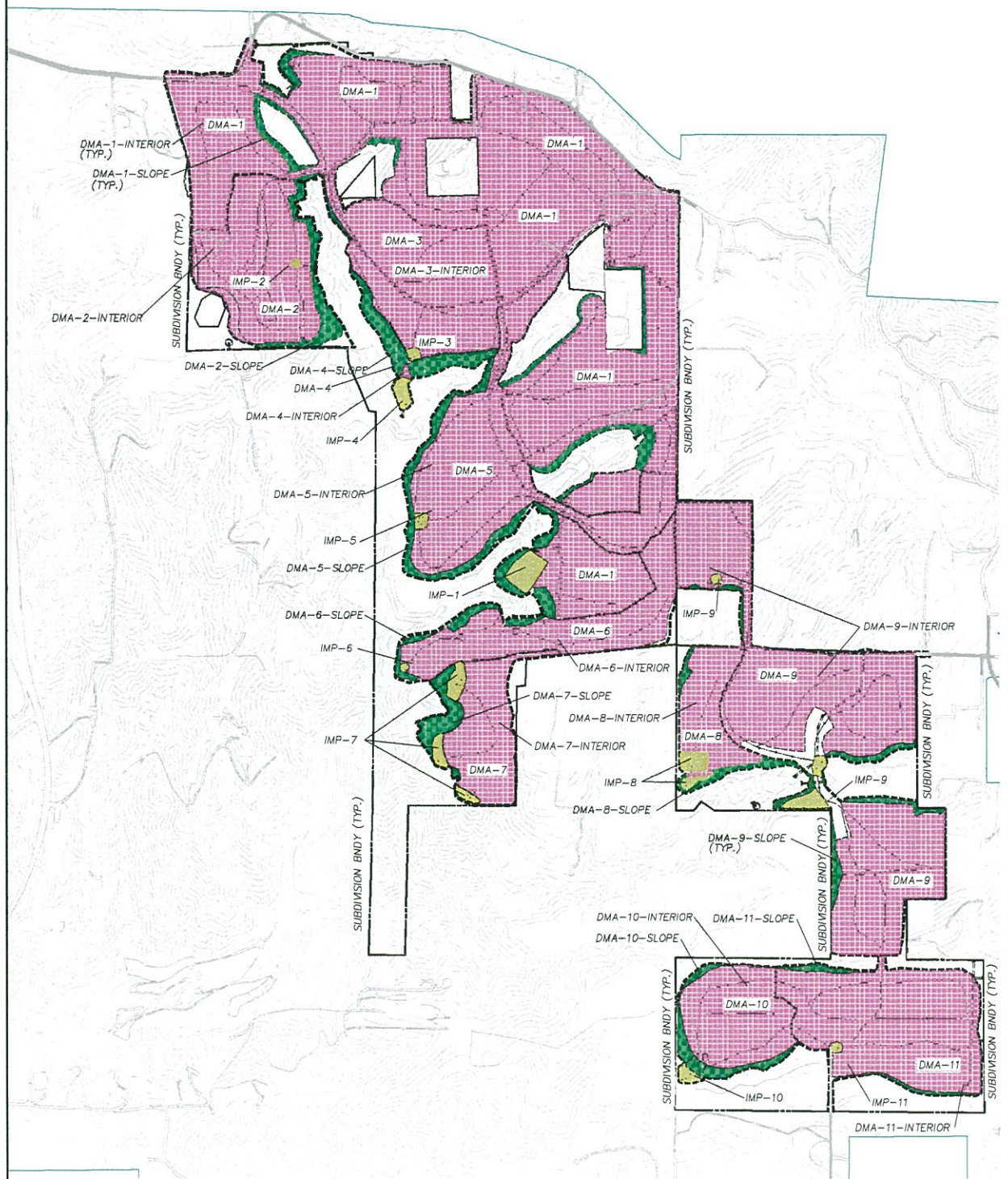


# **ATTACHMENT C**

## **Drainage Management Area (DMA) Exhibit**

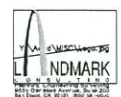


# DMA SITE PLAN FOR LILAC HILLS RANCH, TM 5571 RPL-1



## LEGEND

|                                      |  |
|--------------------------------------|--|
| SELF TREATING AREA                   |  |
| IMP AREA                             |  |
| INTERIOR AREA DRAINING INTO IMP AREA |  |



# **ATTACHMENT D**

## **Sizing Design Calculations and TC-BMP/LID Design Details**

(Provide BMP Sizing Calculator results and/or continuous simulation modeling results, if applicable)

## DMA 1

**SELF-TREATING AREAS – Vegetated manufactured slopes discharge to natural areas**

| DMA NAME    | AREA (Ac) |
|-------------|-----------|
| DMA-1-SLOPE | 10.8      |

**SELF-RETAINING AREAS (N/A)**

| DMA NAME | AREA (Ac) |
|----------|-----------|
|          |           |

**AREAS DRAINING TO SELF-RETAINING AREAS (N/A)**

| DMA NAME | AREA<br>(Ac) | POST-DEV.<br>SRUFACE TYPE | RUNOFF<br>FACTOR | RECEIVING<br>SELF-<br>RETAINING<br>DMA | AREA(Ac) |
|----------|--------------|---------------------------|------------------|----------------------------------------|----------|
|          |              |                           |                  |                                        |          |

## INTERGRATED MANAGEMENT PRACTICE

| DMA NAME        | DMA AREA (AC) | POST-DEV SURFACE TYPE    | DMA RUNOFF FACTOR | DMA AREA X RUNOFF FACTOR (AC) |                   |          |               |                   |              |  |
|-----------------|---------------|--------------------------|-------------------|-------------------------------|-------------------|----------|---------------|-------------------|--------------|--|
| DMA-1- INTERIOR | 150.9         | HYDROSEEDDED/ LANDSCAPED | 0.1               | 15.1                          | IMP SOIL TYPE     | IMP NAME |               |                   |              |  |
|                 |               |                          |                   |                               | B                 | IMP 1    |               |                   |              |  |
|                 |               |                          |                   |                               | IMP SIZING FACTOR |          | MIN. VOL (Ac) | PROPOSED VOL (Ac) | IMP VOL (Ac) |  |
|                 |               |                          | TOTAL             | 15.1                          | 0.04              |          | 0.6           | 1.8*              | 1.8          |  |

- Detention basin also sized for 100-year discharge vol. attenuation.

**SELF-TREATING AREAS – Vegetated manufactured slopes discharge to natural areas**

**SELF-RETAINING AREAS (N/A)**

**AREAS DRAINING TO SELF-RETAINING AREAS (N/A)**

## INTERGRATED MANAGEMENT PRACTICE

51

## DMA 3

**SELF-TREATING AREAS – Vegetated manufactured slopes discharge to natural areas**

| DMA NAME    | AREA (Ac) |
|-------------|-----------|
| DMA-3-SLOPE | 0         |

**SELF-RETAINING AREAS (N/A)**

| DMA NAME | AREA (Ac) |
|----------|-----------|
|          |           |

**AREAS DRAINING TO SELF-RETAINING AREAS (N/A)**

| DMA NAME | AREA<br>(Ac) | POST-DEV.<br>SRUFACE TYPE | RUNOFF<br>FACTOR | RECEIVING<br>SELF-<br>RETAINING<br>DMA | AREA(Ac) |
|----------|--------------|---------------------------|------------------|----------------------------------------|----------|
|          |              |                           |                  |                                        |          |

## INTERGRATED MANAGEMENT PRACTICE

|                |               |                          |                   |                               |                   |          |                |                    |               |
|----------------|---------------|--------------------------|-------------------|-------------------------------|-------------------|----------|----------------|--------------------|---------------|
| DMA NAME       | DMA AREA (AC) | POST-DEV SURFACE TYPE    | DMA RUNOFF FACTOR | DMA AREA X RUNOFF FACTOR (AC) |                   |          |                |                    |               |
| DMA-3-INTERIOR | 31.8          | HYDROSEEDDED/ LANDSCAPED | 0.1               | 3.2                           | IMP SOIL TYPE     | IMP NAME |                |                    |               |
|                |               |                          |                   |                               | B                 | IMP 3    |                |                    |               |
|                |               |                          |                   |                               | IMP SIZING FACTOR |          | MIN. AREA (Ac) | PROPOSED AREA (Ac) | IMP AREA (Ac) |
|                |               |                          | TOTAL             | 3.2                           | 0.04              |          | 0.13           | 0.2                | 0.2           |



## DMA 4

**SELF-TREATING AREAS – Vegetated manufactured slopes discharge to natural areas**

DMA NAME                      AREA (Ac)

|             |     |
|-------------|-----|
| DMA-4-SLOPE | 3.5 |
|-------------|-----|

**SELF-RETAINING AREAS (N/A)**

DMA NAME                      AREA (Ac)

|  |  |
|--|--|
|  |  |
|--|--|

**AREAS DRAINING TO SELF-RETAINING AREAS (N/A)**

| DMA NAME | AREA (Ac) | POST-DEV. SURFACE TYPE | RUNOFF FACTOR | RECEIVING SELF-RETAINING DMA | AREA(Ac) |
|----------|-----------|------------------------|---------------|------------------------------|----------|
|          |           |                        |               |                              |          |

## INTERGRATED MANAGEMENT PRACTICE

| DMA NAME       | DMA AREA (AC) | POST-DEV SURFACE TYPE    | DMA RUNOFF FACTOR | DMA AREA X RUNOFF FACTOR (AC) |                   |          |                |                    |               |
|----------------|---------------|--------------------------|-------------------|-------------------------------|-------------------|----------|----------------|--------------------|---------------|
| DMA-4-INTERIOR | 0.2           | HYDROSEEDDED/ LANDSCAPED | 0.1               | 0.02                          | IMP SOIL TYPE     | IMP NAME |                |                    |               |
|                |               |                          |                   |                               | B                 | IMP 4    |                |                    |               |
|                |               |                          |                   |                               | IMP SIZING FACTOR |          | MIN. AREA (sf) | PROPOSED AREA (sf) | IMP AREA (sf) |
|                |               |                          | TOTAL             | 0.02                          | 0.04              |          | 35             | 30500              | 30500         |

**SELF-TREATING AREAS – Vegetated manufactured slopes discharge to natural areas**

**SELF-RETAINING AREAS (N/A)**

**AREAS DRAINING TO SELF-RETAINING AREAS (N/A)**

## INTERGRATED MANAGEMENT PRACTICE

54

## DMA 6

### SELF-TREATING AREAS – Vegetated manufactured slopes discharge to natural areas

| DMA NAME | AREA (Ac) |
|----------|-----------|
|----------|-----------|

|             |     |
|-------------|-----|
| DMA-6-SLOPE | 1.7 |
|-------------|-----|

**SELF-RETAINING AREAS (N/A)**

| DMA NAME | AREA (Ac) |
|----------|-----------|
|----------|-----------|

|  |  |
|--|--|
|  |  |
|--|--|

**AREAS DRAINING TO SELF-RETAINING AREAS (N/A)**

| DMA NAME | AREA<br>(Ac) | POST-DEV.<br>SRUFACE TYPE | RUNOFF<br>FACTOR | RECEIVING<br>SELF-<br>RETAINING<br>DMA | AREA(Ac) |
|----------|--------------|---------------------------|------------------|----------------------------------------|----------|
|          |              |                           |                  |                                        |          |

## INTERGRATED MANAGEMENT PRACTICE

|                |               |                          |                   |                               |                   |          |                |                    |               |
|----------------|---------------|--------------------------|-------------------|-------------------------------|-------------------|----------|----------------|--------------------|---------------|
| DMA NAME       | DMA AREA (AC) | POST-DEV SURFACE TYPE    | DMA RUNOFF FACTOR | DMA AREA X RUNOFF FACTOR (AC) |                   |          |                |                    |               |
| DMA-6-INTERIOR | 22.2          | HYDROSEEDDED/ LANDSCAPED | 0.1               | 2.2                           | IMP SOIL TYPE     | IMP NAME |                |                    |               |
|                |               |                          |                   |                               | B                 | IMP 6    |                |                    |               |
|                |               |                          |                   |                               | IMP SIZING FACTOR |          | MIN. AREA (Ac) | PROPOSED AREA (Ac) | IMP AREA (Ac) |
|                |               |                          | TOTAL             | 2.2                           | 0.04              |          | 0.1            | 2.5                | 2.5           |

### SELF-TREATING AREAS – Vegetated manufactured slopes discharge to natural areas

|             |     |
|-------------|-----|
| DMA-7-SLOPE | 2.8 |
|-------------|-----|

|  |  |
|--|--|
|  |  |
|--|--|

| DMA NAME | AREA<br>(Ac) | POST-DEV.<br>SRUFACE TYPE | RUNOFF<br>FACTOR | RECEIVING<br>SELF-<br>RETAINING<br>DMA | AREA(Ac) |
|----------|--------------|---------------------------|------------------|----------------------------------------|----------|
|          |              |                           |                  |                                        |          |

|                |               |                          |                   |                               |                   |          |                |                    |               |
|----------------|---------------|--------------------------|-------------------|-------------------------------|-------------------|----------|----------------|--------------------|---------------|
| DMA NAME       | DMA AREA (AC) | POST-DEV SURFACE TYPE    | DMA RUNOFF FACTOR | DMA AREA X RUNOFF FACTOR (AC) |                   |          |                |                    |               |
| DMA-7-INTERIOR | 16.4          | HYDROSEEDDED/ LANDSCAPED | 0.1               | 1.6                           | IMP SOIL TYPE     | IMP NAME |                |                    |               |
|                |               |                          |                   |                               | B                 | IMP 7    |                |                    |               |
|                |               |                          |                   |                               | IMP SIZING FACTOR |          | MIN. AREA (Ac) | PROPOSED AREA (Ac) | IMP AREA (Ac) |
|                |               |                          | TOTAL             | 1.6                           | 0.04              |          | 0.06           | 0.1                | 0.1           |

## DMA 8

**SELF-TREATING AREAS – Vegetated manufactured slopes discharge to natural areas**

DMA NAME AREA (Ac)

|             |     |
|-------------|-----|
| DMA-8-SLOPE | 1.3 |
|-------------|-----|

**SELF-RETAINING AREAS (N/A)**

DMA NAME AREA (Ac)

|  |  |
|--|--|
|  |  |
|--|--|

**AREAS DRAINING TO SELF-RETAINING AREAS (N/A)**

| DMA NAME | AREA (Ac) | POST-DEV. SURFACE TYPE | RUNOFF FACTOR | RECEIVING SELF-RETAINING DMA | AREA(Ac) |
|----------|-----------|------------------------|---------------|------------------------------|----------|
|          |           |                        |               |                              |          |

## INTERGRATED MANAGEMENT PRACTICE

| DMA NAME       | DMA AREA (AC) | POST-DEV SURFACE TYPE    | DMA RUNOFF FACTOR | DMA AREA X RUNOFF FACTOR (AC) |                   |          |                |                    |               |
|----------------|---------------|--------------------------|-------------------|-------------------------------|-------------------|----------|----------------|--------------------|---------------|
| DMA-8-INTERIOR | 12.0          | HYDROSEEDDED/ LANDSCAPED | 0.1               | 1.2                           | IMP SOIL TYPE     | IMP NAME |                |                    |               |
|                |               |                          |                   |                               | B                 | IMP 8    |                |                    |               |
|                |               |                          |                   |                               | IMP SIZING FACTOR |          | MIN. AREA (Ac) | PROPOSED AREA (Ac) | IMP AREA (Ac) |
|                |               |                          | TOTAL             | 1.2                           | 0.04              |          | 0.05           | 0.1                | 0.1           |

**SELF-TREATING AREAS – Vegetated manufactured slopes discharge to natural areas**

|             |     |
|-------------|-----|
| DMA-9-SLOPE | 3.6 |
|-------------|-----|

|                                       |                                  |
|---------------------------------------|----------------------------------|
| <p>1. <b>NAME</b></p>                 | <p>2. <b>DATE</b></p>            |
| <p>3. <b>ADDRESS</b></p>              | <p>4. <b>PHONE</b></p>           |
| <p>5. <b>CITY</b></p>                 | <p>6. <b>STATE</b></p>           |
| <p>7. <b>COUNTRY</b></p>              | <p>8. <b>ZIP</b></p>             |
| <p>9. <b>EMAIL</b></p>                | <p>10. <b>WEBSITE</b></p>        |
| <p>11. <b>DOB</b></p>                 | <p>12. <b>SEX</b></p>            |
| <p>13. <b>RELIGION</b></p>            | <p>14. <b>POLITICAL</b></p>      |
| <p>15. <b>EDUCATION</b></p>           | <p>16. <b>OCCUPATION</b></p>     |
| <p>17. <b>INCOME</b></p>              | <p>18. <b>EXPENSES</b></p>       |
| <p>19. <b>SAVINGS</b></p>             | <p>20. <b>DEBTS</b></p>          |
| <p>21. <b>ASSETS</b></p>              | <p>22. <b>LIABILITIES</b></p>    |
| <p>23. <b>NET WORTH</b></p>           | <p>24. <b>FINANCIAL</b></p>      |
| <p>25. <b>INVESTMENT</b></p>          | <p>26. <b>RETIREMENT</b></p>     |
| <p>27. <b>CHARITABLE</b></p>          | <p>28. <b>TRUSTS</b></p>         |
| <p>29. <b>ESTATE</b></p>              | <p>30. <b>WILLS</b></p>          |
| <p>31. <b>POWER</b></p>               | <p>32. <b>AGREEMENTS</b></p>     |
| <p>33. <b>CONTRACTS</b></p>           | <p>34. <b>DISPUTES</b></p>       |
| <p>35. <b>LITIGATION</b></p>          | <p>36. <b>SETTLEMENTS</b></p>    |
| <p>37. <b>ARBITRATION</b></p>         | <p>38. <b>MEDICATION</b></p>     |
| <p>39. <b>DISPUTE</b></p>             | <p>40. <b>RESOLUTION</b></p>     |
| <p>41. <b>CONCILIATION</b></p>        | <p>42. <b>RECONCILIATION</b></p> |
| <p>43. <b>RECONCILIATION</b></p>      | <p>44. <b>RECONCILIATION</b></p> |
| <p>45. <b>RECONCILIATION</b></p>      | <p>46. <b>RECONCILIATION</b></p> |
| <p>47. <b>RECONCILIATION</b></p>      | <p>48. <b>RECONCILIATION</b></p> |
| <p>49. <b>RECONCILIATION</b></p>      | <p>50. <b>RECONCILIATION</b></p> |
| <p>51. <b>RECONCILIATION</b></p>      | <p>52. <b>RECONCILIATION</b></p> |
| <p>53. <b>RECONCILIATION</b></p>      | <p>54. <b>RECONCILIATION</b></p> |
| <p>55. <b>RECONCILIATION</b></p>      | <p>56. <b>RECONCILIATION</b></p> |
| <p>57. <b>RECONCILIATION</b></p>      | <p>58. <b>RECONCILIATION</b></p> |
| <p>59. <b>RECONCILIATION</b></p>      | <p>60. <b>RECONCILIATION</b></p> |
| <p>61. <b>RECONCILIATION</b></p>      | <p>62. <b>RECONCILIATION</b></p> |
| <p>63. <b>RECONCILIATION</b></p>      | <p>64. <b>RECONCILIATION</b></p> |
| <p>65. <b>RECONCILIATION</b></p>      | <p>66. <b>RECONCILIATION</b></p> |
| <p>67. <b>RECONCILIATION</b></p>      | <p>68. <b>RECONCILIATION</b></p> |
| <p>69. <b>RECONCILIATION</b></p>      | <p>70. <b>RECONCILIATION</b></p> |
| <p>71. <b>RECONCILIATION</b></p>      | <p>72. <b>RECONCILIATION</b></p> |
| <p>73. <b>RECONCILIATION</b></p>      | <p>74. <b>RECONCILIATION</b></p> |
| <p>75. <b>RECONCILIATION</b></p>      | <p>76. <b>RECONCILIATION</b></p> |
| <p>77. <b>RECONCILIATION</b></p>      | <p>78. <b>RECONCILIATION</b></p> |
| <p>79. <b>RECONCILIATION</b></p>      | <p>80. <b>RECONCILIATION</b></p> |
| <p>81. <b>RECONCILIATION</b></p>      | <p>82. <b>RECONCILIATION</b></p> |
| <p>83. <b>RECONCILIATION</b></p>      | <p>84. <b>RECONCILIATION</b></p> |
| <p>85. <b>RECONCILIATION</b></p>      | <p>86. <b>RECONCILIATION</b></p> |
| <p>87. <b>RECONCILIATION</b>&lt;/</p> |                                  |

| DMA NAME | AREA<br>(Ac) | POST-DEV.<br>SRUFACE TYPE | RUNOFF<br>FACTOR | RECEIVING<br>SELF-<br>RETAINING<br>DMA | AREA(Ac) |
|----------|--------------|---------------------------|------------------|----------------------------------------|----------|
|          |              |                           |                  |                                        |          |

|                |               |                          |                   |                               |               |                   |  |                |                    |               |
|----------------|---------------|--------------------------|-------------------|-------------------------------|---------------|-------------------|--|----------------|--------------------|---------------|
| DMA NAME       | DMA AREA (AC) | POST-DEV SURFACE TYPE    | DMA RUNOFF FACTOR | DMA AREA X RUNOFF FACTOR (AC) |               |                   |  |                |                    |               |
| DMA-9-INTERIOR | 72.3          | HYDROSEEDDED/ LANDSCAPED | 0.1               | 7.2                           | IMP SOIL TYPE | IMP NAME          |  |                |                    |               |
|                |               |                          |                   |                               | B             | IMP 9             |  |                |                    |               |
|                |               |                          |                   |                               |               | IMP SIZING FACTOR |  | MIN. AREA (Ac) | PROPOSED AREA (Ac) | IMP AREA (Ac) |
|                |               |                          |                   | TOTAL                         | 7.2           | 0.04              |  | 0.3            | 0.5                | 0.5           |

## DMA 10

### SELF-TREATING AREAS – Vegetated manufactured slopes discharge to natural areas

DMA NAME AREA (Ac)

|              |     |
|--------------|-----|
| DMA-10-SLOPE | 3.5 |
|--------------|-----|

### SELF-RETAINING AREAS (N/A)

DMA NAME AREA (Ac)

|  |  |
|--|--|
|  |  |
|--|--|

### AREAS DRAINING TO SELF-RETAINING AREAS (N/A)

| DMA NAME | AREA (Ac) | POST-DEV. SURFACE TYPE | RUNOFF FACTOR | RECEIVING SELF-RETAINING DMA | AREA(Ac) |
|----------|-----------|------------------------|---------------|------------------------------|----------|
|          |           |                        |               |                              |          |

### INTERGRATED MANAGEMENT PRACTICE

| DMA NAME        | DMA AREA (Ac) | POST-DEV SURFACE TYPE    | DMA RUNOFF FACTOR | DMA AREA X RUNOFF FACTOR (Ac) | IMP SOIL TYPE     | IMP NAME |                |                    |               |
|-----------------|---------------|--------------------------|-------------------|-------------------------------|-------------------|----------|----------------|--------------------|---------------|
| DMA-10-INTERIOR | 16.5          | HYDROSEEDDED/ LANDSCAPED | 0.1               | 1.6                           | B                 | IMP 10   |                |                    |               |
|                 |               |                          |                   |                               | IMP SIZING FACTOR |          | MIN. AREA (Ac) | PROPOSED AREA (Ac) | IMP AREA (Ac) |
|                 |               |                          |                   |                               | 0.04              |          | 0.07           | 0.1                | 0.1           |
|                 |               |                          | TOTAL             | 1.6                           |                   |          |                |                    |               |

**SELF-TREATING AREAS – Vegetated manufactured slopes discharge to natural areas**

|              |     |
|--------------|-----|
| DMA-11-SLOPE | 0.6 |
|--------------|-----|

|  |  |
|--|--|
|  |  |
|--|--|

| DMA NAME | AREA<br>(Ac) | POST-DEV.<br>SRUFACE TYPE | RUNOFF<br>FACTOR | RECEIVING<br>SELF-<br>RETAINING<br>DMA | AREA(Ac) |
|----------|--------------|---------------------------|------------------|----------------------------------------|----------|
|          |              |                           |                  |                                        |          |

| DMA NAME        | DMA AREA (AC) | POST-DEV SURFACE TYPE    | DMA RUNOFF FACTOR | DMA AREA X RUNOFF FACTOR (AC) |                   |          |                |                    |               |
|-----------------|---------------|--------------------------|-------------------|-------------------------------|-------------------|----------|----------------|--------------------|---------------|
| DMA-11-INTERIOR | 37.1          | HYDROSEEDDED/ LANDSCAPED | 0.1               | 3.7                           | IMP SOIL TYPE     | IMP NAME |                |                    |               |
|                 |               |                          |                   |                               | B                 | IMP 11   |                |                    |               |
|                 |               |                          |                   |                               | IMP SIZING FACTOR |          | MIN. AREA (Ac) | PROPOSED AREA (Ac) | IMP AREA (Ac) |
|                 |               |                          | TOTAL             | 3.7                           | 0.04              |          | 0.15           | 0.2                | 0.2           |



# ATTACHMENT E

## Geotechnical Certification Sheet

The design of stormwater treatment and other control measures proposed in this plan requiring specific soil infiltration characteristics and/or geological conditions has been reviewed and approved by a registered Civil Engineer, Geotechnical Engineer, or Geologist in the State of California.

\_\_\_\_\_  
Name

\_\_\_\_\_  
Date

*N/A, even though the project proposes infiltration BMPs such as the Retention/Irrigation, the anticipated water quality runoff volume is not required to infiltrate into the underlying native soil. The runoff only needs to infiltrate into the top soil section and be discharge to downstream channel via outlet pipe. The pad retention/irrigation BMP will retain the water quality runoff volume.*



# ATTACHMENT F

## Maintenance Plan

(Use Chapter 5 of the SUSMP as guidance in developing your Maintenance Plan)

### I. Inspection, Maintenance Log and Self-Verification Forms

Black forms and logs are located at the end of the Attachment F

### II. Updates and Revisions

Updates and revisions to this SWMP shall be inserted into the SWMP and be stored on site.

### III. Introduction

The project is located on the southerly side of W. Lilac Road, easterly of I-15, in the community of Valley Center, County of San Diego. The project consists of the subdividing of approximately 610.7 acres of rural agricultural and residential land into 27 lots including 15 super lots for future master-planned community use, 12 open space lots and 1 roadway lot for backbone access to the 15 super lots.

The proposed construction activities include the mass grading of the master-planned community super lots, and the paving of the backbone road and detention and HMP mitigation facilities. No home construction is proposed for this project.

The only impervious area of the development will be the roadways. The remaining mass-graded areas will be hydroseeded and stabilized until the individual parcels are sold to future builder for future development. Separate SWMP will be required for these future developments.

### IV. Designated Responsible Person:

|                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|
| Randy Goodson<br>Accretive Capital Partners, LLC<br>12275 El Camino Real, Suite 110<br>San Diego, Ca 92130<br>858-546-0700 |
|----------------------------------------------------------------------------------------------------------------------------|

### V. Summary of Drainage Areas and Stormwater facilities

See BMP Site Map for Lilac Hills Ranch in Attachment C and D for detailed depictions of pervious and impervious areas and drainage patterns

## VI. General Maintenance Requirements:

| <b>BMP CATEGORY<br/>(FIRST)</b>  | <b>MAINTENANCE ACTIVITIES</b>                                                                                                                                                                                                                                                                                                                                                      | <b>ANNUAL COST</b> |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| BIO-FILTRATION<br>AREAS          | <ul style="list-style-type: none"> <li>- CUT VEGETATION IN CHANNEL TO 8" or 6" HEIGHT</li> <li>- RESEED/VEGETATE BARE SPOTS AS NECESSARY</li> <li>- REMOVE SEDIMENT FROM CHANNEL AS NECESSARY</li> <li>- BACKFILL BURROW HOLES AS NECESSARY</li> </ul>                                                                                                                             | \$38,500           |
|                                  | <b>TOTAL</b>                                                                                                                                                                                                                                                                                                                                                                       | <b>\$ 38,500</b>   |
| MAINTENANCE<br>RESPONSIBILITY    | The County should have only minimal concern for ongoing maintenance. The property owners and HOA can naturally be expected to do so as a requirement of taking care of their property.                                                                                                                                                                                             |                    |
| <b>BMP CATEGORY<br/>(SECOND)</b> | <b>MAINTENANCE ACTIVITIES</b>                                                                                                                                                                                                                                                                                                                                                      | <b>ANNUAL COST</b> |
| SEDIMENT TRAPS<br>(15 total)     | <ul style="list-style-type: none"> <li>- INSPECT STRUCTURAL INTEGRITY</li> <li>- REMOVE SEDIMENT FROM BASIN AS NECESSARY</li> </ul>                                                                                                                                                                                                                                                | \$18,000           |
|                                  | <b>TOTAL</b>                                                                                                                                                                                                                                                                                                                                                                       | <b>\$18,000</b>    |
| MAINTENANCE<br>RESPONSIBILITY    | The County needs to assure ongoing maintenance. It is appropriate for the HOA to be given primary responsibility for maintenance. The County needs to be able to step in and perform the maintenance if HOA fails, and needs to have security to provide funding for such maintenance.                                                                                             |                    |
| <b>BMP CATEGORY<br/>(THIRD)</b>  | <b>MAINTENANCE ACTIVITIES</b>                                                                                                                                                                                                                                                                                                                                                      | <b>ANNUAL COST</b> |
| DETENTION BASIN<br>(1 total)     | <ul style="list-style-type: none"> <li>- CUT VEGETATION IN BASIN TO 8" HEIGHT</li> <li>- RESEED/VEGETATE BARE SPOTS AS NECESSARY</li> <li>- REMOVE SEDIMENT FROM BASIN AS NECESSARY</li> <li>- INSPECT STRUCTURAL INTEGRITY</li> <li>- BACKFILL BURROW HOLES AS NECESSARY</li> </ul>                                                                                               | \$10,000           |
| MAINTENANCE<br>RESPONSIBILITY    | The County needs to assure ongoing maintenance is heightened, to the point that the County is willing to take on this responsibility. The master HOA will be primarily responsible for maintenance. A permanent funding mechanism needs to be established. A special assessment district will be established for this project, the assessment will be collected with property tax. |                    |
|                                  | <b>TOTAL</b>                                                                                                                                                                                                                                                                                                                                                                       | <b>\$10,000</b>    |
|                                  | <b>GRAND TOTAL</b>                                                                                                                                                                                                                                                                                                                                                                 | <b>\$66,500</b>    |

# **ATTACHMENT G**

## **Treatment Control BMP Certification for DPW Permitted Land Development Projects**



# County of San Diego

## DEPARTMENT OF PUBLIC WORKS

### Treatment Control BMP Certification for DPW Permitted Land Development Projects

Permit Number \_\_\_\_\_ SWMP # \_\_\_\_\_

Project Name \_\_\_\_\_

Location / Address \_\_\_\_\_

#### Responsible Party for Construction Phase

Developer's Name: \_\_\_\_\_

Address: \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Email Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Engineer of Work: \_\_\_\_\_

Engineer's Phone Number: \_\_\_\_\_

#### Responsible Party for Perpetual Maintenance

Owner's Name(s)\* \_\_\_\_\_

Address: \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Email Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

\* Note: If a corporation or LLC, provide information for principal partner or Agent for Service of Process. If an HOA, provide information of president at time of project closeout.

Maintenance Agreement No.: \_\_\_\_\_

Percent Impervious Before Construction: % \_\_\_\_\_

Percent Impervious After Construction: % \_\_\_\_\_

Proposed Disturbed Area: \_\_\_\_\_ Acres

Hydromodification Management:

Yes ☐ or No ☐

**Primary or Secondary Pollutants of Concerns** *(check all that apply)*

- |                                                      |                                           |
|------------------------------------------------------|-------------------------------------------|
| <input type="checkbox"/> Sediment                    | <input type="checkbox"/> Nutrients        |
| <input type="checkbox"/> Organic Compounds           | <input type="checkbox"/> Trash and Debris |
| <input type="checkbox"/> Oxygen Demanding Substances | <input type="checkbox"/> Oil and Grease   |
| <input type="checkbox"/> Bacteria and Viruses        | <input type="checkbox"/> Pesticides       |

**Site Layout Strategies** *(check all that apply)*

- |                                                                |                                                                |
|----------------------------------------------------------------|----------------------------------------------------------------|
| <input type="checkbox"/> Conserve Natural Areas                | <input type="checkbox"/> Minimize Disturbance to Natural Areas |
| <input type="checkbox"/> Minimize and Disconnect Imp. Surfaces | <input type="checkbox"/> Minimize Soil Compaction              |
| <input type="checkbox"/> Minimize erosion from slopes          |                                                                |

**Disperse Runoff from Impervious Surfaces to Pervious** *(check all that apply)*

- |                                                   |                                                              |
|---------------------------------------------------|--------------------------------------------------------------|
| <input type="checkbox"/> Use of pervious surfaces | <input type="checkbox"/> Street and Road Design              |
| <input type="checkbox"/> Parking Lot Design       | <input type="checkbox"/> Driveway, Sidewalk, Bikepath Design |
| <input type="checkbox"/> Building Design          | <input type="checkbox"/> Landscape Design                    |

**Source BMPs** *(check all that apply)*

- |                                                              |                                                                     |
|--------------------------------------------------------------|---------------------------------------------------------------------|
| <input type="checkbox"/> Storm Drain Inlets                  | <input type="checkbox"/> Interior Floor Drains                      |
| <input type="checkbox"/> Interior Parking Garages            | <input type="checkbox"/> Indoor & Structural Pest Control           |
| <input type="checkbox"/> Landscape/Outdoor Pesticide Use     | <input type="checkbox"/> Pools, spas, etc.                          |
| <input type="checkbox"/> Food Service                        | <input type="checkbox"/> Refuse Areas                               |
| <input type="checkbox"/> Industrial Processes                | <input type="checkbox"/> Outdoor Storage of Equipment and Materials |
| <input type="checkbox"/> Vehicle and Equipment Cleaning      | <input type="checkbox"/> Vehicle/ Equipment Repair and Maintenance  |
| <input type="checkbox"/> Fuel Dispensing Areas               | <input type="checkbox"/> Loading Docks                              |
| <input type="checkbox"/> Fire Sprinkler Test Water           | <input type="checkbox"/> Misc. drain or wash water                  |
| <input type="checkbox"/> Plazas, sidewalks, and parking lots |                                                                     |

### Treatment Control, Hydromodification and LID BMPs

| BMP Identifier:<br>(Identifier to match TCBMPs on TCBMP Table.) | Type | Record Plan Page for TCBMP | BMP Pollutant of Concern Efficiency (H,M,L) |
|-----------------------------------------------------------------|------|----------------------------|---------------------------------------------|
|                                                                 |      |                            |                                             |
|                                                                 |      |                            |                                             |
|                                                                 |      |                            |                                             |
|                                                                 |      |                            |                                             |
|                                                                 |      |                            |                                             |
|                                                                 |      |                            |                                             |
|                                                                 |      |                            |                                             |

(Add sheet for all additional BMPs)

The Maintenance Agreement has been recorded. Yes ☐ or No ☐

I certify that the above items for this project are in substantial conformance with the approved plans. Yes ☐ or No ☐

Please sign your name and seal.

[SEAL]

Engineer's Print Name: \_\_\_\_\_

Engineer's Signed Name: \_\_\_\_\_

Date: \_\_\_\_\_

#### Submittals Required with Certification:

- Copy of the final approved SWMP.
- Copy of the approved record plan showing Stormwater TCBMP Table and the location of each verified as-built TCBMP.
- Copy of the specification sheets for the verified proprietary TCBMPs
- Recorded Maintenance Agreement (Category 1 or 2 only)
- Photograph(s) of TCBMP(s)



---

**COUNTY - OFFICIAL USE ONLY:**

For PDCI:

PDCI Inspector: \_\_\_\_\_

Date Project has/expects to close: \_\_\_\_\_

Date Certification received from EOW: \_\_\_\_\_

DPW Inspector concurs that every noted BMP on the plan and the SWMP or SWMP Addendum is installed onsite through field verification and completed as certified: Yes ☐  
or No ☐

PDCI Inspector's Signed Name: \_\_\_\_\_ Date: \_\_\_\_\_

FOR WPP:

Date Received from PDCI: \_\_\_\_\_

WPP Submittal Reviewer: \_\_\_\_\_

WPP Reviewer concurs that the provided TC-BMP information is acceptable to enter into the TC-BMP Maintenance verification inventory. Yes ☐ or No ☐

WPP Reviewer's Signed Name: \_\_\_\_\_ Date: \_\_\_\_\_



# **ATTACHMENT H**

## **HMP Exemption Documentation** (if applicable)