### Stockton Fire Department

**Occupancy:** AMAZON.COM SERVICES LLC  
**Occupancy ID:** 95017  
**Address:** 3923 S B ST  
Stockton CA 95206

**Inspection Type:** OPERATIONAL - ANNUAL  
**Inspection Date:** 9/16/2020  
**Time In:** 09:00  
**Time Out:** 12:00  
**By:** Williams, Roy (18340)

**Authorized Date:** Not Authorized  
**By:**

---

#### Inspection Topics:

**GENERAL INFORMATION**

<table>
<thead>
<tr>
<th>Business Rep/Contact Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enter the name and phone number of the responsible party.</td>
</tr>
<tr>
<td><strong>Status:</strong> Approved</td>
</tr>
<tr>
<td><strong>Notes:</strong> 95017</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Current Stockton Business License posted?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Stockton Business License shall be posted for current occupant.</td>
</tr>
<tr>
<td><strong>Status:</strong> Approved</td>
</tr>
<tr>
<td><strong>Notes:</strong> NA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Permit Type Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFC 105 - List all required Operational Fire Permits</td>
</tr>
<tr>
<td><strong>Status:</strong> Approved</td>
</tr>
<tr>
<td><strong>Notes:</strong> Battery</td>
</tr>
<tr>
<td>Misc Combust Storage</td>
</tr>
<tr>
<td>Place of assembly</td>
</tr>
<tr>
<td>Flam liquid storage</td>
</tr>
<tr>
<td>Storage</td>
</tr>
<tr>
<td>Place of Assembly</td>
</tr>
<tr>
<td>Flam Liq storage</td>
</tr>
</tbody>
</table>
Knox box in place?
Confirm the keys are current, update as needed.

**Status:** Approved

**Notes:** Knox boxes at entrance door, fire pump room, electric room and Knox at each gate.
ACCESS

All security gates across a fire apparatus access road shall be approved by the fire code official and shall have both a Knox key switch and Opticom system.

CFC 503, TMC

Status: Approved

Notes: All gates have a Knox box with key to gate. Need to update the gate with new key. Provide access card at main entry gate for far department use, also entry gates /manual gates at the north and south end of the location the keys that are in the knox box will not unlock the pad locks.
Provide an approved Knox Box. Box shall be located in an area designated by the Fire Code Official.

**CFC 506**

**Status:** Correction Pending  
**Notes:** Typical access door with Knox box  
Provide access card for Knox box at main entry gate.

---

**EXITING**

Additional exit signs required to clearly identify path of egress.

**CFC 1013**

**Status:** Disapproved  
**Notes:** Add additional exit sign above existing exit sign visible from at least 100 feet in the building.
Egress doors shall be readily openable from the inside without the use of key or special knowledge. Exception: In A Occupancies with an occupant load of 300 or less, and in places of religious worship, the main exterior door or doors is permitted to be equipped with key operated locking devices from the egress side if a sign is posted stating: This door to remain unlocked when building is occupied.

CFC 1010.1.9.3

**Status:** Disapproved

**Notes:** These exit doors must open or unlock when the fire alarm is activated on water flow, provide documentation that these doors with magnetic locks unlock with the activation of a fire alarm on water flow. The rationale for the is that the occupants can exit the building in case of an emergency without the use of a card or key.

Also at these locations the exit signs are not visible from the floor once the security fence was put up the existing exit signs were block by the fencing.

---

Delayed egress locks are not allowed on doors serving Group A, E, H or L Occupancies.

CFC 1010.1.9.7

**Status:** Approved

**Notes:** Are these doors connected to the fire alarm and do they release or open when the fire alarm operates.
Fire alarm system shall be serviced and tested annually.

CFC Chapter 9

**Status:** Correction Pending

**Notes:** Fire alarm panel requires fire alarm zone map, the rationale for zone map is that when there’s an emergency the fire department will be able to find the exact location of the device that’s going off in a prompt manner. No doubt with finding the device going off this could save someone’s life.
Automatic fire sprinkler system shall be serviced and tested quarterly, annually, and every five (5) years. Current service tag is required.

Status: Corrected Upon Reinspection

Notes: Provide access card for Knox box at main entrance door for fire department access.
## MISCELLANEOUS

Other

CFC

**Status:** Approved  
**Notes:** Fire pump

### Additional Time Spent on Inspection:

<table>
<thead>
<tr>
<th>Category</th>
<th>Start Date / Time</th>
<th>End Date / Time</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**  
No Additional time recorded

- Total Additional Time: 0 minutes
- Inspection Time: 180 minutes
- Total Time: 180 minutes
Summary:

<table>
<thead>
<tr>
<th>Overall Result: Approved</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inspector Notes:</td>
</tr>
</tbody>
</table>

Closing Notes:

By order of the Fire Chief and Fire Marshal. All non-compliant issues shall be completed within the noted re-inspection date. Additional charges shall incur after the first re-inspection at the prevailing hourly rate, in increments of one hour. Approval as the result of this inspection shall not be construed to be an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction.

STOCKTON FIRE DEPARTMENT - FIRE PREVENTION DIVISION  345 N EL DORADO ST - STOCKTON, CA  95202 - (209)937-8271

Inspector:

<table>
<thead>
<tr>
<th>Name: Williams, Roy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rank: Program Specialist</td>
</tr>
<tr>
<td>Work Phone(s): None on file</td>
</tr>
</tbody>
</table>

Williams, Roy:

[Signature]

Signed on: 09/23/2020 18:34

Representative Signature:

[Signature]

Date
**Stockton Fire Department**

**Incident Type:** 117 - Commercial Compactor fire, confined to rubbish

**Location:**
- 3923 S B ST
- Stockton CA 95206

**Lat/Long:**
- N 37° 54’ 56.05”
- W 121° 14’ 53.82”

**Zone:**
- Co 3 - Engine 3 Response District

**Location Type:** 1 - Street address

**Map Page:** 744F

**Report Completed by:** Hidalgo, Sean S  ID: 19085  Date: 05/20/2021

**Report Reviewed by:** Hidalgo, Sean S  ID: 19085  Date: 05/20/2021

**Report Printed by:**
- ID
- Date:  
- Time:

**Structure Type:** 891 - Warehouse

**Automatic Extinguishment System Present:**  
- Detectors Present:  
- Cause of Ignition: Cause undetermined after investigation

**Aid Given or Received:** None

**Primary action taken:** 87 - Investigate fire out on arrival

<table>
<thead>
<tr>
<th>Losses</th>
<th>Pre-Incident Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Property:</td>
<td>$0.00</td>
</tr>
<tr>
<td>Contents:</td>
<td>$0.00</td>
</tr>
<tr>
<td>Total:</td>
<td>$0.00</td>
</tr>
</tbody>
</table>

**Total # of apparatus on call:** 3  
**Total # of personnel on call:** 10

**Special Studies**

**COVID 19 was a factor in this incident.**  No, COVID 19 was not a factor.

### NARRATIVE (2)

**Narrative Title:** n/a

**Narrative Author:** Hemans, Adam

**Narrative Date:** 05/14/2021 17:15:09

**Narrative Apparatus ID:** T3

**Narrative:**
T3 responded with other units for the report of a a fire in a commercial compactor at the Amazon warehouse. Co.3 arrived with workers evacuated and an audible fire alarm. Co.3 investigated and found an odor of smoke from the compactor. There was no visible smoke or heat signature from the container. E12 assisted with resetting alarm system. Responsible party contacted Waste Management to come out and empty the container. Responsible party will call fire department if necessary after Waste Management responds. All units AOR.

### NARRATIVE (3)

**Narrative Title:** n/a

**Narrative Author:** McGeragle, Chris

**Narrative Date:** 05/14/2021 19:37:28

**Narrative Apparatus ID:** E12

**Narrative:**
E12 responded for a building fire. E12 arrived on-scene as the second due Engine company and assisted Co3 with a small fire in a cardboard compactor. E12 reset the fire alarm system.

E12 AOR.
**NARRATIVE (E3)**

**Narrative Title:** E3  
**Narrative Author:** Hidalgo, Sean  
**Narrative Date:** 05/20/2021 23:41:02  
**Narrative Apparatus ID:** E3  
**Narrative:**  
E3 on scene for a possible fire in a cardboard compactor. E3 found no fire and advised Amazon to have compactor removed and dumped for safety. E3 AOR. Hidalgo 9085

---

**APPARATUS**

<table>
<thead>
<tr>
<th>Unit</th>
<th>E12</th>
<th>Unit</th>
<th>E3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Engine</td>
<td>Type:</td>
<td>Engine</td>
</tr>
<tr>
<td>Use:</td>
<td>Suppression</td>
<td>Use:</td>
<td>Suppression</td>
</tr>
<tr>
<td>Response Mode:</td>
<td>Lights and Sirens</td>
<td>Response Mode:</td>
<td>Lights and Sirens</td>
</tr>
<tr>
<td># of People</td>
<td>3</td>
<td># of People</td>
<td>3</td>
</tr>
<tr>
<td>Alarm</td>
<td>05/14/2021 15:44:57</td>
<td>Alarm</td>
<td>05/14/2021 15:44:57</td>
</tr>
<tr>
<td>Dispatched</td>
<td>05/14/2021 15:47:38</td>
<td>Dispatched</td>
<td>05/14/2021 15:47:18</td>
</tr>
<tr>
<td>Enroute</td>
<td>05/14/2021 15:49:13</td>
<td>Enroute</td>
<td>05/14/2021 15:49:06</td>
</tr>
<tr>
<td>Arrived</td>
<td>05/14/2021 15:54:48</td>
<td>Arrived</td>
<td>05/14/2021 15:52:52</td>
</tr>
<tr>
<td>Cancelled</td>
<td>-- / -- / -- / -- / --</td>
<td>Cancelled</td>
<td>-- / -- / -- / -- / --</td>
</tr>
<tr>
<td>Cleared Scene</td>
<td>05/14/2021 16:26:21</td>
<td>Cleared Scene</td>
<td>05/14/2021 16:21:12</td>
</tr>
<tr>
<td>In Quarters</td>
<td>-- / -- / -- / -- / --</td>
<td>In Quarters</td>
<td>-- / -- / -- / -- / --</td>
</tr>
<tr>
<td>In Service</td>
<td>05/14/2021 16:26:21</td>
<td>In Service</td>
<td>05/14/2021 16:21:12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit</th>
<th>T3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Truck or aerial</td>
</tr>
<tr>
<td>Use:</td>
<td>Suppression</td>
</tr>
<tr>
<td>Response Mode:</td>
<td>Lights and Sirens</td>
</tr>
<tr>
<td># of People</td>
<td>4</td>
</tr>
<tr>
<td>Alarm</td>
<td>05/14/2021 15:44:57</td>
</tr>
<tr>
<td>Dispatched</td>
<td>05/14/2021 15:47:19</td>
</tr>
<tr>
<td>Enroute</td>
<td>05/14/2021 15:49:19</td>
</tr>
<tr>
<td>Arrived</td>
<td>05/14/2021 15:52:53</td>
</tr>
<tr>
<td>Cancelled</td>
<td>-- / -- / -- / -- / --</td>
</tr>
<tr>
<td>Cleared Scene</td>
<td>05/14/2021 16:22:00</td>
</tr>
<tr>
<td>In Quarters</td>
<td>-- / -- / -- / -- / --</td>
</tr>
<tr>
<td>In Service</td>
<td>05/14/2021 16:22:00</td>
</tr>
</tbody>
</table>

**Number Of People not on apparatus:** 0

---

**FIRE**

<table>
<thead>
<tr>
<th>Acres Burned</th>
<th>None or Less Than One</th>
<th>Acres Burned From Wildland Form</th>
<th>False</th>
</tr>
</thead>
</table>

**Material**  
Containers, packing materials, other

**Storage Use**  
Bulk storage or warehousing

**Area Of Fire Origin**  
Chute/container - trash, rubbish, waste  
**Heat Source**  
Heat, spark from friction  
**Fire Is Confined To Object Of Origin**  
TRUE

**Type Of Material**  
Cardboard  
**Cause Of Ignition**  
Cause undetermined after investigation

**Factor Contributing To Ignition**  
None  
**Human Factors Contributing**  
None

---

**ARSON**

<table>
<thead>
<tr>
<th>Agency Name</th>
<th>Agency Address</th>
<th>Agency Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CUSTOM FIELDS FORM

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Was this call related to homelessness?</td>
<td>No</td>
</tr>
<tr>
<td>This call was fire works related</td>
<td></td>
</tr>
<tr>
<td>A responding unit was cancelled en route to a fire alarm?</td>
<td>No</td>
</tr>
</tbody>
</table>

PERSONNEL ON CALL

<table>
<thead>
<tr>
<th>Name</th>
<th>Personnel Rank</th>
<th>Role(s)</th>
<th>Apparatus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beckhart Jr., Robert B</td>
<td></td>
<td></td>
<td>T3</td>
</tr>
<tr>
<td>Burroughs, Scott</td>
<td></td>
<td></td>
<td>E12</td>
</tr>
<tr>
<td>Gardea, Mario S</td>
<td></td>
<td></td>
<td>T3</td>
</tr>
<tr>
<td>Hemans, Adam J</td>
<td></td>
<td></td>
<td>T3</td>
</tr>
<tr>
<td>Hidalgo, Sean S</td>
<td></td>
<td></td>
<td>E3</td>
</tr>
<tr>
<td>Hoang, Giang V</td>
<td></td>
<td></td>
<td>E3</td>
</tr>
<tr>
<td>McGeragle, Chris N</td>
<td></td>
<td></td>
<td>E12</td>
</tr>
<tr>
<td>Satterfield, Douglas C</td>
<td></td>
<td></td>
<td>E12</td>
</tr>
<tr>
<td>Schonenberger, Eric C</td>
<td></td>
<td></td>
<td>E3</td>
</tr>
<tr>
<td>Vollbrecht, Nathan A</td>
<td></td>
<td></td>
<td>T3</td>
</tr>
</tbody>
</table>

Member Making Report (Captain Sean S Hidalgo): 

Incident Reviewer (Captain Sean S Hidalgo): 

https://secure.emergencyreporting.com/nfirs/print.asp?printtype=2&printtype=3&printtype_radio=5b&printOption=1&eid=57904785&printtype=&printOption...


### CITY OF STOCKTON

**COMMUNITY DEVELOPMENT DEPARTMENT**  
**BUILDING DIVISION, CITY HALL**  
STOCKTON, CALIFORNIA 95202

**PHONE:** (209) 937-8561  
24 Hr. Inspection Request  
209-937-8560

**Permit No:** BP17-05061

---

**Description of Work:**  
New 615,440 square foot warehouse/distribution shell building.

---

**Issue Date:**  
permit

**Permit Type:** Commercial

**Category:** Warehouse

**Sub Category:** New Construction

**Permit Address:** 3923 S B ST

**Parcel No.:** 17714037

**Owner:** IDI SERVICES GROUP LLC  
26832 TOWNE CENTRE DR #320  
FOOTHILL RANCH CA, 92610

**Applicant:** TERESA GOODWIN  
383 4th St., Suite 101  
Oakland, CA 94607

**Contractor:** 833335  
BIG-D PACIFIC BUILDERS L.P  
404 WEST 400 SOUTH  
SALT LAKE CITY UT, 84101  
925405322

**Valuation:** $31,526,487.55

---

### LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

**License Type:**  
**License Number:** 833335  
**Date:**

**Contractor:**  
Stockton Bus. Lic. No:

---

### OWNER-BUILDER DECLARATIONS

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044) Business and Professions Code. The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.

---

**Valuation:**

**Admin - CDD:** 36,816.14  
**Admin - MUD:** 7,291.62

**Capital Preservation Fee:** 31,526.49

**Community Rating System Admin Fee - Building:** 10,031.21

**Delta Water Supply Fee (Domestic):** 54,822.46

**Delta Water Supply Fee (Irrigation):** 54,822.46

**Development Oversight Commission:** 7,861.62

**Drainage Maintenance Assessments:** 648.00

**District Formation Application Fee:**

**Fire Plan Review:** 528.00

**Fire Plan Review - Hourly:** 702.00

**GPM - Planning Fee:** 47,289.73

**Green Building Standards Fee:** 2,621.00

**Permit Fee:** 187,188.77

**PFF - Air Quality - Warehouse (Zone 6):** 249,293.20

**PFF - City Office Space - Warehouse (Zone 6):** 15,693.72

**PFF - Community Recreation Centers - Warehouse (Zone 6):** 14,308.99

**PFF - County Facilities - Warehouse:** 141,551.20

**PFF - Fire Station - Warehouse (Zone 6):** 33,233.76

**PFF - Libraries - Warehouse (Zone 6):** 34,464.64

**PFF - Police Station Expansion - Warehouse (Zone 6):** 38,157.28

**PFF - Regional Transportation Impact Fee - Warehouse:** 258,484.60

**PFF - Street Improvements - Warehouse (High Cube):** 240,124.38

**PFF - Surface Water - Warehouse:** 233,867.20

**PFF - Traffic Signs (Citywide):** 15,370.61

**PFF - Traffic Signs (Zone 3):** 35,864.77

**Plan Review:** 138,780.96

**Private Fire Protection - Hydrant:** 84.00

**Private Fire Protection - Service:** 66.04

**PW - DevSvs Const Permit:** 292.90

**Sanitary Connection - Combined:** 43,060.87

---

### NOTE:

To protest the imposition of any development fee, dedication, reservation or other exaction imposed on your project, you must file written notice with the City Clerk's office within 90 days after approval of the project or imposition of the fees, dedications, reservations or other exactions stating that the required payment is not fair or will be tendered when due, or that any conditions which have been imposed are provided for or satisfied, under protest, along with a statement of the actual elements of the dispute and the legal theory forming the basis for the protest.

### WORKERS COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a Certificate of Workers Compensation Insurance, or a certified copy thereof (Sec 3800, Lab. C).

**Policy Number:**  
**Company:**  
**Certified copy is hereby furnished. Expires:**  
**Certified copy is filed with the city building inspection department.**

**Date:**  
**Applicant:**

### CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

This section need not be completed if the permit is for on hundred dollars ($100) or less.

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

**Date:**  
**Applicant:**

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to construction. I hereby authorize representatives of the city of enter upon the above mentioned property for inspection purposes.

**SIGNED:**  
**PRINT NAME:**  
**APPLICATION APPROVAL:**

THIS PERMIT DOES NOT BECOME VALID UNTIL SIGNED BY THE BUILDING OFFICIAL OR HIS DEPUTY AND FEES ARE PAID.

**Signature:**
Description of Work:
Warehouse area tenant improvements for Amazon project.

Issue Date: 11/16/2017
Permit Type: Commercial
Category: Warehouse
Sub Category: Tenant Improvement
Permit Address: 3923 S B ST
Parcel No.: 17714037
Owner: DIG STOCKTON LLC
1100 PEACHTREE ST NE STE 1000
ATLANTA GA, 30309
Applicant: TERESA GOODWIN
383 Fourth St Suite 101
Oakland, CA 94607
Contractor: 833335
BIG-PACIFIC BUILDERS & L P
404 WEST 400 SOUTH
SALT LAKE CITY UT, 84101
9254603232
Valuation: $12,000,000.00

Fee Items | Amount
--- | ---
Capital Preservation Fee | 12,000.00
Community Rating System Admin Fee - Building | 4017.44
Development Oversight Commission | 3000.00
Fire Plan Review | 528.00
Fire Plan Review - Hourly | 1170.00
GPNI - Planning Fee | 18000.00
Green Building Standards Fee | 480.00
Permit Fee | 66,957.31
Plan Review | 54,789.71
Strong Motion Instrument Program (COM) | 3360.00
Technology Fee - Building | 9129.53
Total | 173,411.95

Special Notes and Conditions:
dropped off resubmittal 10/17 -RF

LICENSED CONTRACTOR’S DECLARATION
I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Type: ________ License Number: 833335 Date: ________
Contractor: __________________ Stockton Bus. Lic. No: ________

OWNER-BUILDER DECLARATIONS
I hereby affirm that I am exempt from the Contractor’s License Law for the following reason (Sec. 7031.5 of the Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to issuance of a permit, also requires the applicant for such permit to file a signed statement that he/she is licensed pursuant to the provisions of Contractor’s License Law (Chapter 9, commencing with Section 7000) of Division 3 of the Business and Professions Code or that he/she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to civil penalty of not more than five hundred dollars ($500):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044) Business and Professions Code: The Contractor’s License Law. Does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.

I, as owner of the property, am exclusively contracting with licensed contractor(s) to construct the project (Sec. 7044, Business and Professions Code: The Contractor’s License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor’s License Law).

Date: ________ Owner: ________

NOTE: To protest the imposition of any development fee, dedication, reservation or other excise imposed on your project, you must file written notice with the City Clerk’s office within 90 days after approval of the project or imposition of the fees, dedications, reservations or other excisions stating that the required payment is tendered or will be tendered when due, or that any conditions which have been imposed are provided for or satisfied, under protest, along with a statement of the actual elements of the dispute and the legal theory forming the basis for the protest.

WILLERS COMPENSATION DECLARATION
I hereby affirm that: I have a certificate of consent to self-insure, or a Certificate of Worker’s Compensation Insurance, or a certified copy thereof (Sec 3800, Lab. C.).
Policy Number: ________ Company: ________
Certified copy is hereby furnished: Expires: ________
Certified copy is filed with the city building inspection department.

Date: 11/17/2017 Applicant: ________

CERTIFICATE OF EXEMPTION FROM WORKER’S COMPENSATION INSURANCE
This section need not be completed if the permit is for one hundred dollars ($100) or less.

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers’ Compensation Laws of California.

Date: ________ Applicant: ________

NOTE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers’ Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read the application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to construction. I hereby authorize representatives of the city of enter upon the above mentioned property for inspection purposes.

SIGNED: ________ PRINT NAME: ________
APPLICATION APPROVAL
THIS PERMIT DOES NOT BECOME VALID UNTIL SIGNED BY THE BUILDING OFFICIAL OR HIS DEPUTY AND FEES ARE PAID.

Signature: ________

THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.
Description of Work:
Foundation and underslab utility permit only for "Project 12"

<table>
<thead>
<tr>
<th>Description of Work:</th>
<th>Foundation and underslab utility permit only for &quot;Project 12&quot;</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Issue Date</th>
<th>09/12/2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permit Type</td>
<td>Commercial</td>
</tr>
<tr>
<td>Category</td>
<td>Warehouse</td>
</tr>
<tr>
<td>Sub Category</td>
<td>Alteration</td>
</tr>
<tr>
<td>Permit Address</td>
<td>3923 S B ST</td>
</tr>
<tr>
<td>Parcel No.</td>
<td>17714037</td>
</tr>
<tr>
<td>Owner</td>
<td>IDIG STOCKTON LLC</td>
</tr>
<tr>
<td>Applicant</td>
<td>HEATHER PECHTER</td>
</tr>
<tr>
<td>Contractor</td>
<td>BIG-D PACIFIC BUILDERS L P</td>
</tr>
<tr>
<td>Valuation</td>
<td>$850,000.00</td>
</tr>
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</table>

<table>
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<tr>
<th>Fee Items</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Capital Preservation Fee</td>
<td>850.00</td>
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<tr>
<td>Community Rating System Admin Fee</td>
<td>370.10</td>
</tr>
<tr>
<td>Development Oversight Commission</td>
<td>212.50</td>
</tr>
<tr>
<td>Fire Plan Review</td>
<td>528.00</td>
</tr>
<tr>
<td>GPMI - Planning Fee</td>
<td>1,275.00</td>
</tr>
<tr>
<td>Green Building Standards Fee</td>
<td>34.00</td>
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<tr>
<td>Permit Fee</td>
<td>6,168.26</td>
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<tr>
<td>Plan Review - Hourly</td>
<td>916.00</td>
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<tr>
<td>Strong Motion Instrument Program (COM)</td>
<td>238.00</td>
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<tr>
<td>Technology Fee - Building</td>
<td>482.62</td>
</tr>
<tr>
<td>Total</td>
<td>11,054.48</td>
</tr>
</tbody>
</table>

Special Notes and Conditions
**Permit is approved for foundation and underslab plumbing work ONLY. Balance of work to be completed under permit #17-05061.**

<table>
<thead>
<tr>
<th>LICENSED CONTRACTOR'S DECLARATION</th>
<th>I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.</th>
</tr>
</thead>
<tbody>
<tr>
<td>License Type</td>
<td>License Number</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OWNER-BUILDER DECLARATIONS</th>
<th>I hereby affirm that I am exempt from the Contractor's License Law for the following reason:</th>
</tr>
</thead>
<tbody>
<tr>
<td>I, as owner of the property, my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044) Business and Professions Code does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WORKERS COMPENSATION DECLARATION</th>
<th>I hereby affirm that I have a certificate of consent to self-insure, or a Certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab. C.).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Policy Number</td>
<td>Company:</td>
</tr>
<tr>
<td>Certified copy is hereby furnished.</td>
<td>Expires:</td>
</tr>
<tr>
<td>CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE</td>
<td>Date: 9/12/17 Applicant:</td>
</tr>
</tbody>
</table>

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE This section need not be completed if the permit is for one hundred dollars ($100) or less.

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to construction. I hereby authorize representatives of the city of Stockton to enter upon the above mentioned property for inspection purposes.

APPROVAL
This permit is not taken from the city, county, or state. This permit does not become valid until signed by the building official or his deputy and fees are paid.

Signature: Cat Pulverman

THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.
CITY OF STOCKTON
COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING DIVISION, CITY HALL
STOCKTON, CALIFORNIA 95202

PHONE: (209) 937-8561
24 Hr. Inspection Request
209-937-8560
Permit No: BP17-06197

Description of Work:
AA - Overhead service. Temp power pole for construction trailer. 200a. CONSTRUCTION TRAILER AND GENERATOR TO BE ON SEPARATE PERMIT.

Issue Date: 09/22/2017
 Permit Type: OTC - Electrical
 Category: Residential
 Permit Address: 3923 S B ST
 Parcel No.: 17714037
 Owner: IDIG STOCKTON LLC
 1100 PEACHTREE ST NE STE 1000
  ATLANTA GA, 30309
 Applicant: 1210 N RED GUM STREET
  ANAHEIM, CA 92806
 Contractor: 980589
 S R BAY LLC
 1210 N RED GUM STREET
  ANAHEIM, CA, 92806
 9183715871
 Valuation: $1,200.00

Fee Items Amount
Green Building Standards Fee 1.00
Permit Fee 108.00
Technology Fee - Building 8.10
Total 117.10

Special Notes and Conditions
Permit issued Over the Counter.

CITY OF STOCKTON
PERMIT

LICENSED CONTRACTOR'S DECLARATION
___ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Type: __________ License Number: 980589 Date: __________
Contractor: __________ Stockton Bus. Lic. No: __________

OWNER-BUILDER DECLARATIONS
___ I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he/she is licensed pursuant to the provisions of Contractor's License Law (Chapter 9, commencing with Sec. 7000) of Division 3 of the Business and Professions Code) or that he/she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to civil penalty of not more than five hundred dollars ($500):

___ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7031.5, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

___ I, as owner of the property, am exclusively contracting with licensed contractor(s) to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law)

___ I am exempt under Sec. ______ B & P. C. for this reason __________________________
Date: __________________________ Owner: __________________________

NOTE: To protest the imposition of any development fee, dedication, reservation or other exaction imposed on your project, you must file written notice with the City Clerk's office within 90 days after approval of the project or imposition of the fee, dedication, or reservation, or other exaction stated that the required payment is tendered or will be tendered when due, or that any conditions which have been imposed are provided for or satisfied, under protest, along with a statement of the actual elements of the dispute and the legal theory forming the basis for the protest.

WORKERS COMPENSATION DECLARATION
___ I hereby affirm that I have a certificate of consent to self-insure, or a Certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3801, Lab. C.).

Policy Number: Company: __________________________
Certified copy is hereby furnished. Expires: __________________________
Certified copy is filed with the city building inspection department.

Date: __________________________ Applicant: __________________________

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE
This section need not be completed if the permit is for one hundred dollars ($100) or less.

___ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Date: __________________________ Applicant: __________________________

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

___ I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to construction. I hereby authorize the entry of the city official upon the above mentioned property for inspection purposes.

SIGN: __________________________ PRINT NAME: __________________________

APPLICATION APPROVAL
THIS PERMIT DOES NOT BECOME VALID UNTIL SIGNED BY THE BUILDING OFFICIAL OR HIS DEPUTY AND FEES ARE PAID.

Signature: __________________________

THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.
CITY OF STOCKTON
COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING DIVISION, CITY HALL
STOCKTON, CALIFORNIA 95202

PERMIT

Issue Date: 11/30/2017
Permit Type: Commercial
Category: Office
Sub Category: Tenant Improvement
Permit Address: 3923 S B ST
Parcel No.: 17714037
Owner: IDIG STOCKTON LLC
1100 PEACHTREE ST NE STE 1000
ATLANTA GA, 30309
Applicant: TERESA GOODWIN
386 4TH ST SUITE 101
OAKLAND, CA 94607
Contractor: 833355
BIG-D PACIFIC BUILDERS L P
404 WEST 400 SOUTH
SALT LAKE CITY UT, 84101
925463232
Valuation: $3,000,000.00

Fee Items                     Amount
Capital Preservation Fee     3,000.00
Community Rating System Admin Fee - Building 1,245.62
Development Oversight Commission 750.00
Fire Plan Review             528.00
GPMI - Planning Fee         4,500.00
Green Building Standards Fee 120.00
Permit Fee                  20,760.31
Plan Review                  16,969.71
Strong Motion Instrument Program (COM) 840.00
Technology Fee - Building   2,829.75

Total                        51,643.39

Description of Work:
Tenant improvement - 30,577 s.f. main office space, trucker lounge and warehouse restrooms (582 s.f.).
**Shelf Permit: #17-05081
**Warehouse T.I. permit: #17-05049

6,582 s.f. trucker lounge 2 (910 s.f.), remote breakroom (4,346 s.f.) and

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7900) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Type: License Number: 833335 Date:
Contractor: Stockton Bus. Lic. No:

OWNER-BUILDER DECLARATIONS

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5,Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he/she is licensed pursuant to the provisions of Contractor's License Law (Chapter 9 commencing with Sec.7900) of Division 3 of the Business and Professions Code) or that he/she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to civil penalty of not more than five hundred dollars ($500):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044) Business and Professions Code: The Contractor's License Law. does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.

I, as owner of the property, am exclusively contracting with licensed contractor(s) to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law)

I am exempt under Sec. B & P. C. for this reason:

Date: Owner:

NOTE: To protest the imposition of any development fee, dedication, reservation or other exciation imposed on your project, you must file written notice with the City Clerk's office within 90 days after approval of the project or imposition of the fees, dedications, reservations or other exciations stating that the required payment is tendered or will be tendered when due, or that any conditions which have been imposed are grounds for or satisfied, under protest, along with a statement of the actual elements of the dispute and the legal theory forming the basis for the protest.

WORKERS COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a Certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec 3800, Lab. C.).

Policy Number:
Company:
Certified copy is hereby furnished. Expires: Certified copy is filed with the city building inspection department.

Date: Application: 11/30/2017

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

This section need not be completed if the permit is for one hundred dollars ($100) or less.

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Date: Applicant:

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to construction. I hereby authorize representatives of the city of enter upon the above mentioned property for inspection purposes.

SIGNED:

APPLICATION APPROVAL

THIS PERMIT DOES NOT BECOME VALID UNTIL SIGNED BY THE BUILDING OFFICIAL OR HIS DEPUTY AND FEES ARE PAID.

Signature:
CITY OF STOCKTON
COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING DIVISION, CITY HALL
STOCKTON, CALIFORNIA 95202

PERMIT No: BP17-08090

Description of Work:
Install structural platforms and grid structures, and new main electrical power distribution

Issue Date: 02/05/2018
Permit Type: Commercial
Category: Warehouse
Sub Category: Alteration
Permit Address: 3923 S B ST
Parcel No.: 17714037
Owner: IDIG STOCKTON LLC
1100 PEACHTREE ST NE STE 1000
ATLANTA GA, 30309
Applicant: 507 PLYMOUTH AVE NE C-9
GRAND RAPIDS, MI 49505
Contractor: 875993
DEMATIC CORP
507 PLYMOUTH AVE NE C-9
GRAND RAPIDS MI, 49505
Valuation: $1,505,526.00

Fee Items | Amount
--- | ---
Capital Preservation Fee | 1,505.53
Community Rating System Admin Fee - Building | 637.04
Development Oversight Commission | 378.38
Fire Plan Review | 528.00
GPML - Planning Fee | 2,258.29
Green Building Standards Fee | 61.00
Plan Review | 10,617.31
Strong Motion Instrument Program (COM) | 421.55
Technology Fee - Building | 1,448.82
Total | 26,522.61

Special Notes and Conditions:
Doug Gordon Tel 616 610 0848 submitted 3 sets of electrical drawings, 2 sets of drawings, 1 truck drive with drawings and 2 structural calculations, 12/13/2017 NZ

Plan check payment of $8670.89 received 1/3/18. Sent plans to be routed today. - SV 01/04/2018

Structural approved by Ziggy Gong.

LICENSED CONTRACTOR’S DECLARATION
I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Type: __________ License Number: __________ Date: __________
Contractor: __________ Stockton Bus. Lic. No: __________

OWNER-BUILDER DECLARATIONS
I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he/she is licensed pursuant to the provisions of Contractor’s License Law (Chapter 9 commencing with Sec.7000) of Division 3 of the Business and Professions Code or that he/she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subject the applicant to civil penalty of not more than five hundred dollars ($500):

I, as owner of the property, or my employees with wages as their sole compensator, will do the work, and the structure is not intended or offered for sale (Sec. 7044) Business and Professions Code: The Contractor's License Law, does not apply to an owner of property who builds or improves therein, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.

I, as owner of the property, am exclusively contracting with licensed contractor(s) to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves therein, and who contracts for the projects with a contractor(s) licensed pursuant to the Contractor's License Law)

I am exempt under Sec. __________ B & P. C. for this reason __________
Date: __________ Owner: __________

NOTE: To protest the imposition of any development fee, dedication, reservation or other excising imposed on your project, you must file written notice with the City Clerk's office within 90 days after approval of the project or imposition of the fees, dedications, reservations or other excisions. This notice must be in writing and must be filed within 30 days after acknowledgement of approval of your project by the City.

WORKERS COMPENSATION DECLARATION
I hereby affirm that I have a certificate of consent to self-insure, or a Certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec 3800, Lab. C).
Policy Number: __________
Company: __________
Certified copy is hereby furnished. Expires: __________
Certified copy is filed with the city building inspection department.
Date: __________

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE
This section need not be completed if the permit is for one hundred dollars ($100) or less.

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.
Date: __________ Applicant: __________

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to construction. I hereby authorize representatives of the City of Stockton to enter upon the above-mentioned property for inspection purposes.

Signature: __________

APPLICATION APPROVAL
THIS PERMIT DOES NOT BECOME VALID UNTIL SIGNED BY THE BUILDING OFFICIAL OR HIS DEPUTY AND FEES ARE PAID.

Signature: __________

THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.
CITY OF STOCKTON
COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING DIVISION, CITY HALL
STOCKTON, CALIFORNIA 95202

PHONE: (209) 937-8561
24 Hr. Inspection Request
209-937-8560
Permit No: BP18-01572

CITY OF STOCKTON PERMIT

Description of Work:
Phase 2: Conveyor Installation/Egress Plan/Conveyor Platform

Issue Date: 02/27/2018
Permit Type: Commercial
Category: Structure Other Than Building
Sub Category: Alteration

Permit Address: 3923 S B ST
 Parcel No.: 17714039
Owner:

Applicant: CHARLES GORDON

Contractor: 875993
DEMATIC CORP
507 PLYMOUTH AVE NE C-9
GRAND RAPIDS, MI, 49505
6168163827

Valuation: $1,764,752.00

<table>
<thead>
<tr>
<th>Fee Items</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Capital Preservation Fee</td>
<td>1,764.75</td>
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<tr>
<td>Community Rating System Admin Fee - Building</td>
<td>742.90</td>
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<tr>
<td>Development Oversight Commission</td>
<td>441.19</td>
</tr>
<tr>
<td>Fire Plan Review</td>
<td>528.00</td>
</tr>
<tr>
<td>Fire Plan Review - Hourly</td>
<td>468.00</td>
</tr>
<tr>
<td>GPMI - Planning Fee</td>
<td>2,647.13</td>
</tr>
<tr>
<td>Green Building Standards Fee</td>
<td>71.00</td>
</tr>
<tr>
<td>Permit Fee</td>
<td>12,376.68</td>
</tr>
<tr>
<td>Plan Review</td>
<td>10,110.37</td>
</tr>
<tr>
<td>Strong Motion Instrument Program (COM)</td>
<td>494.13</td>
</tr>
<tr>
<td>Technology Fee - Building</td>
<td>1,886.53</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31,330.38</strong></td>
</tr>
</tbody>
</table>

Special Notes and Conditions
Plan review paid 2/6/18 by check brought in by Dematic rep. Ok to route. - SV 2/6/18

Contractor brought in two sets of plan responses for correction letter sent out. Also including a check for $32,234.83 for phase 2 and 3

LICENSED CONTRACTOR'S DECLARATION
I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Type:_________ License Number: 875993 Date:_________
Contractor:_________ Stockton Bus. Lic. No:_________

OWNER-BUILDER DECLARATIONS
I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he/she is exempt from the provisions of Contractor's License Law (Chapter 9 commencing with Sec.7000) of Division 3 of the Business and Professions Code (or that he/she is exempt therefrom and the basis for the alleged exemption). Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and shall not offer the work for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, providing that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

Date: __________ Owner: __________

NOTE: To protest the imposition of any development fee, dedication, reservation or other exaction imposed on your project, you must file written notice with the Clerk's office within 90 days after approval of the project or imposition of the fees, or other exactions stating that the required payment is tendered or will be tendered when due, or that any conditions which have been imposed are provided for or satisfied, under protest, along with a statement of the actual elements of the dispute and the legal theory forming the basis for the protest.

WORKERS COMPENSATION DECLARATION
I hereby affirm that I have a certificate of consent to self-insure, or a Certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec 3800, Lab. C.).
Policy Number: _________ Company: _________
Certified copy is hereby furnished. Expires: _________
Certified copy is filed with the city building inspection department.
Date: 2/27/2016 Applicant: _________

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE
This section need not be completed if the permit is for one hundred dollars ($100) or less.

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Date: _________ Applicant: _________

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or the permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to construction. I hereby authorize representatives of the city of enter upon the above mentioned property for inspection purposes.

PRINT NAME: Charles Gordon

APPLICATION APPROVAL
THIS PERMIT DOES NOT BECOME VALID UNTIL SIGNED BY THE BUILDING OFFICIAL OR HIS DEPUTY AND FEES ARE PAID.

Signature: _________

THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.
CITY OF STOCKTON
COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING DIVISION, CITY HALL
STOCKTON, CALIFORNIA 95202

Description of Work:
Phase 3: Electrical control cabinet installation

Issue Date: 03/13/2018
Permit Type: Commercial
Category: Industrial
Sub Category: Tenant Improvement
Permit Address: 3923 S B ST
Parcel No.: 17714039

Owner
Applicant: MICHAEL ZALESKI
6390 Treeline Drive
Brecksville, OH 44141

Contractor: 875993
DEMATIC CORP
507 PLYMOUTH AVE NE C-9
GRAND RAPIDS MI, 49505
616913827

Valuation: $2,011,906.00

LICENSING CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Type: Commercial License Number: 875993 Date:

OWNER-BUILDER DECLARATIONS

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he/she is licensed pursuant to the provisions of Contractor's License Law (Chapter 9, commencing with Sec. 7000) of Division 3 of the Business and Professions Code): The applicant is exempted therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to civil penalty of not more than five hundred dollars ($500):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractor(s) to construct the project (Sec. 7046, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law).

Date: 
Owner:

NOTE: To protest the imposition of any development fee, dedication, reservation or other exaction imposed on your project, you must file written notice with the City Clerk's office within 90 days after approval of the project or imposition of the fees, dedications, reservations or other exactions stating that the required payment is tendered or will be tendered when due, or that any conditions which have been imposed are provided for or satisfied, under protest, along with a statement of the actual elements of the dispute and the legal theory forming the basis for the protest.

WORKERS COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insurance, or a Certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec 3900, Lab. C). Policy Number: 
Company: 
Certified copy is hereby furnished. Expires:
[Signature]
This certificate is filed with the city building inspection department.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

This section need not be completed if the permit is for one hundred dollars ($100) or less.

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Date: 
Applicant:

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to construction. I hereby authorize representatives of the city of enter upon the above mentioned property for inspection purposes.

[Signature]
Print Name: Thomas Smith

APPLICATION APPROVAL

THIS PERMIT DOES NOT BECOME VALID UNTIL SIGNED BY THE BUILDING OFFICIAL OR HIS DEPUTY AND FEES ARE PAID.

Signature:

THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.
CITY OF STOCKTON
COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING DIVISION, CITY HALL
STOCKTON, CALIFORNIA 95202

PHONE: (209) 937-8561
24 Hr. Inspection Request
209-937-8560
Permit No: BP18-03020

Description of Work:
Install (1) set of channel letters and (2) monument signs and (1) directional sign for "Amazon"

Issue Date

Permit Type
Sign

Category

Permit Address
3923 S B ST

Parcel No.
17714039

Owner

Applicant
3771 W 11TH ST
TRACY, CA 95304

Contractor
907315
TRACY SIGN INC
3771 W 11TH ST
TRACY, CA 95304
2098353464

Valuation
$3,800.00

Fee Items
Green Building Standards Fee
Permit Fee - I illuminated
Technology Fee - Building
Total

Amount
1.00
1,440.00
106.00
1,548.00

Special Notes and Conditions

LICENSED CONTRACTOR'S DECLARATION
I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Type: License Number: Date: Contractor: Stockton Bus. Lic. No.

OWNER-BUILDER DECLARATIONS
I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he/she is licensed pursuant to the provisions of Contractor's License Law (Chapter 9 commencing with Sec.7000) of Division 3 of the Business and Professions Code):

Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to civil penalty of not more than five hundred dollars ($500):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044) Business and Professions Code: The Contractor's License Law. does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.

I, as owner of the property, am exclusively contracting with licensed contractor(s) to construct the project (Sec. 7044) Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.

I am exempt under Sec. B & P. C. for this reason

Date: Owner:

NOTE: To protect the imposition of any development fee, dedication, reservation or other exactions imposed on your project, you must file written notice with the City Clerk's office within 90 days after approval of the project or imposition of the fees, dedications, reservations or other exactions stating that the required payment is tendered or will be tendered when due, or that any conditions which have been imposed are provided for or satisfied, under protest, along with a statement of the actual elements of the dispute and the legal theory forming the basis for the protest.

WORKERS COMPENSATION DECLARATION
I hereby affirm that I have a certificate of consent to self-insure, or a Certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec 3800, Lab. C.).

Policy Number: Company: Certified copy is hereby furnished. Expires:

Certified copy is filed with the city building inspection department.

APPLICATION APPROVAL

THIS PERMIT DOES NOT BECOME VALID UNTIL SIGNED BY THE BUILDING OFFICIAL OR HIS DEPUTY AND FEES ARE PAID.

Signature:

PRINT NAME: 

APPLICATION APPROVAL

THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.
CITY OF STOCKTON
COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING DIVISION, CITY HALL
STOCKTON, CALIFORNIA 95202

PHONE:  (209) 937-8561
24 Hr. Inspection Request 209-937-8560
Permit No: BP18-06425

CITY OF STOCKTON
PERMIT

Description of Work:
T.I. - 8 new dock locations and 14 battery charging stations on an (e) building.

Issue Date: 09/07/2018
Permit Type: Commercial
Category: Warehouse
Sub Category: Tenant Improvement
Permit Address: 3923 S B ST
Parcel No.: 17714039

Owner
Applicant: 404 WEST 400 SOUTH
SALT LAKE CITY, UT 84101
Contractor: 833335
BIG-D PACIFIC BUILDERS LP
404 WEST 400 SOUTH
SALT LAKE CITY UT, 84101
9254803232
Valuation: $600,000.00

LICENSED CONTRACTOR’S DECLARATION
I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.
License Type: ____________ License Number: 833335 Date: ____________
Stockton Bus. Lic. No: ____________

OWNER-BUILDER DECLARATIONS
I hereby affirm that I am exempt from the Contractor’s License Law for the following reason (Sec. 7031.5: Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he/she is licensed pursuant to the provisions of Contractor’s License Law (Chapter 9 commencing with Sec. 7000) of Division 3 of the Business and Professions Code) or that he/she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to civil penalty of not more than five hundred dollars ($500):
__

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044) Business and Professions Code: The Contractor’s License Law, does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.
__

I, as owner of the property, am exclusively contracting with licensed contractor(s) to construct the project (Sec. 7044, Business and Professions Code: The Contractor’s license Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor’s License Law)
__

I am exempt under Sec: ____________ 8 & P. C. for this reason ____________
Date: ____________ Owner: ____________

NOTE: To protest the imposition of any development fee, dedication, reservation or other taxation imposed on your project, you must file written notice with the City Clerk’s office within 90 days after approval of the project or imposition of the fees, dedications, reservations or other excises stating that the required payment is tendered or will be tendered when due, or that any conditions which have been imposed are provided for or satisfied, under protest, along with a statement of the actual elements of the dispute and the legal theory forming the basis for the protest.

WORKERS COMPENSATION DECLARATION
I hereby affirm that I have a certificate of insurance, a Certificate of Worker’s Compensation Insurance, or a certified copy thereof (Sec 3800, Lab. C). Policy Number: ____________ Company: ____________
Date: ____________

CERTIFICATE OF EXEMPTION FROM WORKERS’ COMPENSATION INSURANCE
This section need not be completed if the permit is for one hundred dollars ($100) or less.

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers’ Compensation Laws of California.
Date: ____________ Applicant: ____________

NOTICE TO APPLICANT: If, after filing this Certificate of Exemption you should become subject to the Workers’ Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to construction. I hereby authorize representatives of the City to enter upon the above mentioned property for inspection purposes.

SIGNED: ____________  PRINT NAME: ____________
APPLICATION APPROVAL
THIS PERMIT DOES NOT BECOME VALID UNTIL SIGNED BY THE BUILDING OFFICIAL OR HIS DEPUTY AND FEES ARE PAID.
Signature: ____________

Street address numbers must be posted before any inspections will be made. Smoke detectors and Carbon Monoxide Alarms will be required in existing dwellings when a building permit is required for alterations, repairs, or additions exceeding a $1,000 valuation.

THIS PERMIT SHALL BE CONSIDERED ABANDONED IF AN INSPECTION HAS NOT BEENRecorded AND APPROVED WITHIN 180 DAYS
Description of Work:
Install 3 catwalks, 3 additional lines of conveyors.

| Issue Date | 09/27/2016 |
| Permit Type | Commercial |
| Category | Structure Other Than Building |
| Sub Category | Tenant Improvement |
| Permit Address | 3923 S B ST |
| Parcel No. | 17714039 |
| Owner | IDIG STOCKTON LLC |
| | 1100 PEACHTREE ST NE STE 1000 |
| | ATLANTA GA, 30309 |
| Applicant | 507 PLYMOUTH AVE NE C-9 |
| | GRAND RAPIDS, MI 49505 |
| Contractor | 875993 |
| | DEMATIC CORP |
| | 507 PLYMOUTH AVE NE C-9 |
| | GRAND RAPIDS MI, 49505 |
| Valuation | $300,000.00 |

Special Notes and Conditions
Required inspections:
- 020 - Final Public Works
- 021 - Final Fire
- 022 - Final Building

Additional inspections may be required depending on the scope of work for your project; please contact a Permit Technician or your Building Inspector for additional information.

Potential additional inspections:
- 001 - Temporary Electrical
- 002 - Site Work
- 003 - Foundation
- 004 - Shear and Roof Nail
- 005 - Fire Sprinkler Rough
- 006 - Frame Only
- 007 - Close-In
- 008 - Insulation
- 009 - Sheetrock
- 010 - Lath / Stucco
- 011 - Above Ceiling
- 012 - Electrical Wiring
- 013 - Electrical Service / Panel
- 014 - Gas Service
- 015 - Roof
- 019 - Special Inspection

Street address numbers must be posted before any inspections will be made.
Smoke detectors and Carbon Monoxide Alarms will be required in existing dwellings when a building permit is required for alterations, repairs, or additions exceeding a $1,000 valuation.

LICENCED CONTRACTOR'S DECLARATION
I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.
License Type: 
License Number: 875993 
Date: 
Contractor: 
Stockton Bus. Lic. No: 

OWNER-BUILDER DECLARATIONS
I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5. Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he/she is licensed pursuant to the provisions of Contractor's License Law (Chapter 9 commencing with Sec.7000) of Division 3 of the Business and Professions Code): The Contractor's License Law does not apply to an owner of property who builds or improves the same, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.

I, as owner of the property, am exclusively contracting with a licensed contractor(s) to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law).

I, as owner of the property, am exclusively contracting with a licensed contractor(s) to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law).

I, as owner of the property, am exclusively contracting with a licensed contractor(s) to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law).

I, as owner of the property, am exclusively contracting with a licensed contractor(s) to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law).

I, as owner of the property, am exclusively contracting with a licensed contractor(s) to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law).

I, as owner of the property, am exclusively contracting with a licensed contractor(s) to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law).

I, as owner of the property, am exclusively contracting with a licensed contractor(s) to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law).

NOTE: To protest the imposition of any development fee, dedication, reservation or other action imposed on your project, you must file written notice with the City Clerk's office within 90 days after approval of the project or imposition of the fees, dedications, reservations or other actions stating that the required payment is tendered or will be tendered when due, or that any conditions which have been imposed are protested for or satisfied, under protest, along with a statement of the actual elements of the dispute and the legal theory forming the basis for the protest.

WORKERS COMPENSATION DECLARATION
I hereby affirm that I have a certificate of self-insurance or a Certificate of Worker's Compensation Insurance, or a certificate thereof (Sec 3800, Lab C).
Policy Number: 
Company: 
Certified copy is filed with the city building inspection department.
Date: 9/27/18

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE
This section need not be completed if the permit is for one hundred dollars ($100) or less.
I certify that I have read this application and state that the above information is correct. I hereby authorize representatives of the city of enter upon the above mentioned property for inspection purposes.

SIGNED: 
APPLICATION APPROVAL
THIS PERMIT DOES NOT BECOME VALID UNTIL SIGNED BY THE BUILDING OFFICIAL OR HIS DEPUTY AND FEES ARE PAID.
Signature:

THIS PERMIT SHALL BE CONSIDERED ABANDONED IF AN INSPECTION HAS NOT BEEN RECORDED AND APPROVED WITHIN 180 DAYS.
CITY OF STOCKTON
COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING DIVISION, CITY HALL
STOCKTON, CALIFORNIA 95202

PHONE: (209) 937-8561
24 Hr. Inspection Request
209-937-8560
Permit No: BP19-03870

Description of Work:
install a maintenance access only catwalk on exiting platform previously permitted under BP17-06090
7/24/19 Platform expansion approved 7/24, change valuation from 110,000 to 160,000

Issue Date 06/10/2019
Permit Type Commercial
Category Warehouse
Sub Category Alteration
Permit Address 3923 S B ST
Parcel No. 17714039
Owner IDIG STOCKTON LLC
1100 PEACHTREE ST NE STE 1000
ATLANTA GA, 30309
Applicant 507 PLYMOUTH AVE NE C-9
GRAND RAPIDS, MI 49505
Contractor 875993
DEMATIC CORP
507 PLYMOUTH AVE NE C-9
GRAND RAPIDS, MI, 49505
Valuation $160,000.00

LICENSED CONTRACTOR'S DECLARATION
I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.
License Type: License Number: 875993 Date: Stockton Bus. Lic. No:

OWNER-BUILDER DECLARATIONS
I hereby affirm that I am exempt from the Contractor's License Law for the following reason

NOTE: To protest the imposition of any development fee, dedication, reservation or other exaction imposed on your project, you must file written notice with the City Clerk's office within 90 days after approval of the project or imposition of the fees, dedications, reservations or other exactions stating that the required payment is tendered or will be tendered when due, or that any conditions which have been imposed are provided for or satisfied, under protest, along with a statement of the actual elements of the dispute and the legal theory forming the basis for the protest.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE
This section need not be completed if the permit is for one hundred dollars ($100) or less.

APPLICATION APPROVAL

THIS PERMIT DOES NOT BECOME VALID UNTIL SIGNED BY THE BUILDING OFFICIAL OR HIS DEPUTY AND FEES ARE PAID.

Signature:

THIS PERMIT SHALL BECOME VOID AND WORK SHALL BE CONSIDERED ABANDONED IF AN INSPECTION HAS NOT BEEN RECORDED AND APPROVED WITHIN 180 DAYS
CITY OF STOCKTON
COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING DIVISION, CITY HALL
STOCKTON, CALIFORNIA 95202

PERMIT

Description of Work:
Install electrical only for (n) sorting equipment. Equipment installation to be installed by separate contractor on separate permit.

Issue Date 08/27/2019
Permit Type Commercial
Category Warehouse
Sub Category Alteration
Permit Address 3923 S B ST
Parcel No. 17714039
Owner
IDIG STOCKTON LLC
1100 PEACHTREE ST NE STE 1000
ATLANTA GA, 30309
Applicant
1600 FACTOR AVENUE
SAN LEANDRO, CA 94577
Contractor 906985
SILMAN VENTURE CORPORATION
1600 FACTOR AVENUE
SAN LEANDRO CA. 94577
Valuation $35,800.00

Special Notes and Conditions
Required inspections:
021 - Final Fire
022 - Final Building

Additional inspections may be required depending on the scope of work for your project; please contact a Permit Technician or your Building Inspector for additional information.

Potential additional inspections:
001 - Temporary Electrical
002 - Site Work
003 - Foundation
004 - Shear and Roof Nail
005 - Fire Sprinkler Rough
006 - Frame Only
007 - Close-In
008 - Insulation
009 - Sheetrock
010 - Lath / Stucco
011 - Above Ceiling
012 - Electrical Wiring
013 - Electrical Service / Panel
014 - Gas Service
015 - Roof
016 - Swimming Pool: Pre-Gunite
017 - Swimming Pool: Pre-Deck
018 - Swimming Pool: Pre-Plaster
019 - Special Inspection
020 - Final Public Works
Street address numbers must be posted before any inspections will be made.
Smoke detectors and Carbon Monoxide Alarms will be required in existing dwellings when a building permit is required for alterations, repairs, or additions exceeding a $1,000 valuation.

LICENSED CONTRACTOR'S DECLARATION
I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Type: ______ License Number: 906985 Date: ______
Contractor: ______ Stockton Bus. Lic. No: ______

OWNER-BUILDER DECLARATIONS
I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5. Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he/she is licensed pursuant to the provisions of Contractor's License Law (Chapter 9 commencing with Sec. 7000) of Division 3 of the Business and Professions Code) or that he/she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7094) Business and Professions Code: The Contractor's License Law. does not apply to an owner of property who builds or improves therewith, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractor(s) to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves therewith, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law)

I am exempt under Sec. ______ B & P. C. for this reason ______
Date: ______ Owner: ______

NOTE: To protest the imposition of any development fee, dedication, reservation or other excise imposed on your project, you must file written notice with the City Clerk's office within 90 days after approval of the project or imposition of the fees, dedications, reservations or other excises stating that the required payment is tendered or will be tendered when due, or that any conditions which have been imposed are provided for or satisfied, under protest, along with a statement of the actual elements of the dispute and the legal theory forming the basis for the protest.

WORKERS COMPENSATION DECLARATION
I hereby affirm that I have a certificate of consent to self-insure, or a Certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec 3600, Lab. C.).
Policy Number: ______
Company: ______
Certified copy is hereby furnished. Expires: ______
Certified copy is filed with the city building inspection department.
Date: ______
Applicant: ______

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE
This section need not be completed if the permit is for one hundred dollars ($100) or less.

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.
Date: ______
Applicant: ______

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to construction. I hereby authorize representatives of the city of Stockton to enter upon the above mentioned property for inspection purposes.

SIGNED: ______
PRINT NAME: ______
APPLICANT: ______

APPLICATION APPROVAL
THIS PERMIT DOES NOT BECOME VALID UNTIL SIGNED BY THE BUILDING OFFICIAL OR HIS DEPUTY AND FEES ARE PAID.

Signature: ______

THIS PERMIT SHALL BECOME VOID AND WORK SHALL BE CONSIDERED ABANDONED IF AN INSPECTION HAS NOT BEEN RECORDED AND APPROVED WITHIN 180 DAYS
DESCRIPTION OF WORK:
Install (1) sortation equipment, electrical under separate permit BP19-05630

Issue Date: 09/23/2019
Permit Type: Commercial
Category: Structure Other Than Building
Sub Category: Alteration
Permit Address: 3923 S B ST
Parcel No.: 17714039
Owner: IDIG STOCKTON LLC
Applicant: 1100 PEACHTREE ST NE STE 1000
ATLANTA GA, 30309
Contractor: 1600 FACTOR AVENUE
SAN LEANDRO, CA, 94577
License Number: 969985
Contractor's Business License No.: Stockton

LICENSED CONTRACTOR'S DECLARATION
I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7005) of Division 3 of the Business and Professions Code, and my license is in full force and effect.
License Type: (Blank)

OWNER-BUILDER DECLARATIONS

OWNER-BUILDER DECLARATIONS
I hereby affirm that I am exempt from the Contractor's License Law for the following reason

NOTE: To protect the inspection of any development fee, dedication, reservation or other condition imposed by your project, you must file written notice with the City Clerk's office within 90 days after approval of the project or imposition of the fees, dedications, reservations or other conditions stated that the required payment is tendered or will be tendered when due, or that any conditions which have been imposed are provided for or satisfied, under protest, along with a statement of the actual elements of the dispute and the legal theory forming the basis for the protest.

WORKERS COMPENSATION DECLARATION
I hereby affirm that I have a certificate of self-insurance, or a Certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec 3800, Lab C).

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE
This section need not be completed if the permit is for one hundred dollars ($100) or less.

NOTE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

APPLICATION APPROVAL
This permit does not become valid until signed by the building official or his deputy and fees are paid.
Signature: 
Print Name: 

THIS PERMIT SHALL BECOME VOID AND WORK SHALL BE CONSIDERED ABANDONED IF AN INSPECTION HAS NOT BEEN RECORDED AND APPROVED WITHIN 180 DAYS.
Description of Work:
install (2) chargepoint EV truck chargers with wiring for (2) future chargers

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<th>Issue Date</th>
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<td>Tenant Improvement</td>
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<td>Parcel No.</td>
<td>17714039</td>
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<tr>
<td>Owner</td>
<td>IDIG STOCKTON LLC</td>
</tr>
<tr>
<td>1100 PEACHTREE ST NE STE 1000</td>
<td></td>
</tr>
<tr>
<td>ATLANTA GA, 30309</td>
<td></td>
</tr>
<tr>
<td>Applicant</td>
<td>BOBBY GRILLI</td>
</tr>
<tr>
<td>135 MAIN AVE</td>
<td></td>
</tr>
<tr>
<td>SACRAMENTO, CA 95838-2089</td>
<td></td>
</tr>
<tr>
<td>Contractor</td>
<td>599724</td>
</tr>
<tr>
<td>BARNUM &amp; CELILLO ELECTRIC INC</td>
<td></td>
</tr>
<tr>
<td>135 MAIN AVE</td>
<td></td>
</tr>
<tr>
<td>SACRAMENTO, CA 95838-2089</td>
<td></td>
</tr>
<tr>
<td>Valuation</td>
<td>$180,000.00</td>
</tr>
</tbody>
</table>

Special Notes and Conditions

Required inspections:
- 020 - Final Public Works
- 021 - Final Fire
- 022 - Final Building

Additional inspections may be required depending on the scope of work for your project; please contact a Permit Technician or your Building Inspector for additional information.

Potential additional inspections:
- 001 - Temporary Electrical
- 002 - Site Work
- 003 - Foundation
- 004 - Shear and Roof Nail
- 005 - Fire Sprinkler Rough
- 006 - Frame Only
- 007 - Close-In
- 008 - Insulation
- 009 - Sheetrock
- 010 - Lath / Siccce
- 011 - Above Ceiling
- 012 - Electrical Wiring
- 013 - Electrical Service / Panel
- 014 - Gas Service
- 015 - Roof
- 019 - Special Inspection

Street address numbers must be posted before any inspections will be made.
Smoke detectors and Carbon Monoxide Alarms will be required in existing dwellings when a building permit is required for alterations, repairs, or additions exceeding a $1,000 valuation.

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Type: License Number: 599724 Date: 
Contractor: Stockton Bus. Lic. No: 

OWNER-BUILDER DECLARATIONS

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5. Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance, also requires the application for such permit to file a signed statement that he/she is licensed pursuant to the provisions of Contractor's License Law (Chapter 9 commencing with Sec.7000) of Division 3 of the Business and Professions Code) or that he/she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to civil penalty of not more than fifty dollars (500):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044) Business and Professions Code: The Contractor's License Law. does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractor(s) to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law)

I am exempt under Sec. B B P. C. for this reason ____

Date: ___________ Owner: ___________

NOTE: To protest the imposition of any development fee, dedication, reservation or other exaction imposed on your project, you must file written notice with the City Clerk's office within 90 days after approval of the project or imposition of the fees, dedications, reservations or other exactions stating that the required payment is tendered or will be tendered when due, or that any conditions which have been imposed are provided for or satisfied, under protest, along with a statement of the actual elements of the dispute and the legal theory forming the basis for the protest.

WORKERS COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a Certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec 3800, Lab. C.).

Policy Number: ___ Company: ___

Certified copy is hereby furnished. Expires: ___

Certified Copy is filed with the city building inspector's department.

Date: 10/15/94 ___

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

This section need not be completed if the permit is for one hundred dollars ($100) or less.

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Date: ___________ Applicant: ___________

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to construction. I hereby authorize representatives of the city of Stockton to enter upon the above mentioned property for inspection purposes.

SIGNER: ___________

APPLICATION APPROVAL

THIS PERMIT DOES NOT BECOME VALID UNTIL SIGNED BY THE BUILDING OFFICIAL OR HIS DEPUTY AND FEES ARE PAID.

Signature: ___________

THIS PERMIT SHALL BECOME VOID AND WORK SHALL BE CONSIDERED ABANDONED IF AN INSPECTION HAS NOT BEEN RECORDED AND APPROVED WITHIN 180 DAYS
STORMWATER TREATMENT DEVICE
ACCESS AND MAINTENANCE AGREEMENT

MUNICIPAL UTILITIES DEPARTMENT
After Recording Transmit Copy to:

____ Owner of Record
____ Municipal Utilities Department
____ City Clerk (Original)

OWNER NAME (S) (as shown on deed)
IDIG Stockton LLC

MAILING ADDRESS
601 South Figueroa Street, Suite 2200, Los Angeles, CA 90017

O&M CONTACT PERSON & PHONE #
Brian Gagne, Senior Vice President and Regional Director
(213) 330-8066

FACILITY NAME AND ADDRESS
Amazon 815K
3929 S. B. Street, Stockton, CA 95208

ASSESSOR PARCEL NO. 177-140-37, 177-140-38

THIS AGREEMENT is made and entered into in Stockton, California, this ______ day of July 2019, by and between IDIG Stockton LLC hereinafter referred to as "Owner" and the CITY OF STOCKTON, a municipal corporation, located in the County of San Joaquin, State of California hereinafter referred to as "CITY,"

WHEREAS, the Owner owns real property ("Property") in the City of Stockton, County of San Joaquin, State of California, depicted in Exhibit "A" and intends to install a pollution control system described in Exhibit "B", both of which are attached hereto and incorporated herein by this reference;

Revised February 2017
WHEREAS, at the time of initial approval of development project known as Amazon 615K within the Property described herein, the City required the project to employ on-site control measures to minimize pollutants in urban runoff;

WHEREAS, the Owner has chosen to install a twelve (12) Bioretention Areas hereinafter referred to as "Device", as the on-site control measure to minimize pollutants in urban runoff;

WHEREAS, said Device has been installed in accordance with the requirements of the City of Stockton Stormwater Quality Control Criteria Plan and the Owner’s plans and specifications accepted by the City;

WHEREAS, said Device, with installation on private property and draining only private property, is a private facility with all operation, maintenance and replacement, therefore, the sole responsibility of the Owner in accordance with the terms of this Agreement;

WHEREAS, the Owner is aware that periodic and continuous maintenance, including, but not necessarily limited to, sediment removal, is required to assure peak performance of Device and that, furthermore, such maintenance activity will require compliance with all Local, State, or Federal laws and regulations, including those pertaining to confined space and waste disposal methods, in effect at the time such maintenance occurs;

NOW THEREFORE, it is mutually stipulated and agreed as follows:

1. Owner hereby provides the City or City’s designee complete access, of any duration, to the Device and its immediate vicinity at any time, upon reasonable notice, or in the event of emergency, as determined by City’s Director of Municipal Utilities with no advance notice, for the purpose of inspection, sampling, testing of the Device, and in case of emergency, to undertake all necessary repairs or other preventative measures at owner’s expense as provided in paragraph 3 below. The Owner/Operator shall retain all operation and maintenance records at the facility for City inspection, and a copy shall be provided to the City if requested. City shall make every effort at all times to minimize or avoid interference with Owner's use of the Property.

2. Owner shall use its best efforts to diligently maintain the Device in a manner assuring peak performance at all times. All reasonable precautions shall be exercised by Owner and Owner's representative or contractor in the removal and extraction of material(s) from the Device and the ultimate disposal of the material(s) in a manner consistent with all relevant laws and regulations in effect at the time. When requested from time to time by the City, the Owner shall provide the City with documentation identifying the material(s) removed, the quantity, and disposal destination.

3. In the event Owner, or its successors or assigns, fails to accomplish the necessary maintenance contemplated by this Agreement, within five (5) days of being given written notice by the City, the City is hereby authorized to cause any maintenance necessary to be done and charge the entire cost and expense to the Owner or Owner’s successors or assigns, including administrative costs, attorney’s fees and interest thereon at the maximum rate authorized by the Civil Code from the date of the notice of expense until paid in full, and Owner hereby agrees to pay such charge within 30 days of receipt of City’s written demand for payment.

- 2 -

Revised February 2017
4. The City may require the owner to post security in form and for a time period satisfactory to the City of guarantee the performance of the obligations stated herein. Should the Owner fail to perform the obligations under the Agreement, the City may, in the case of a cash bond, act for the Owner using the proceeds from it, or in the case of a surety bond, require the sureties to perform the obligations of the Agreement. As an additional remedy, the Director may withdraw any previous stormwater related approval with respects to the property on which a Device has been installed until such time as Owner repays to City its reasonable costs incurred in accordance with paragraph 3 above.

5. This agreement shall be recorded in the Office of the Recorder of San Joaquin County, California, at the expense of the Owner and shall constitute notice to all successors and assigns of the title to said Property of the obligation herein set forth, and also a lien in such amount as will fully reimburse the City, including interest as herein above set forth, subject to foreclosure in event of default in payment.

6. In event of legal action occasioned by any default or action of the Owner, or its successors or assigns, then the Owner and its successors or assigns agree(s) to pay all costs incurred by the City in enforcing the terms of this Agreement, including reasonable attorney's fees and costs, and that the same shall become a part of the lien against said Property.

7. It is the intent of the parties hereto that burdens and benefits herein undertaken shall constitute covenants that run with said Property and constitute a lien there against.

8. The obligations herein undertaken shall be binding upon the heirs, successors, executors, administrators and assigns of the parties hereto. The term "Owner" shall include not only the present Owner, but also its heirs, successors, executors, administrators, and assigns. Owner shall notify any successor to title of all or part of the Property about the existence of this Agreement. Owner shall provide such notice prior to such successor obtaining an interest in all or part of the Property. Owner shall provide a copy of such notice to the City at the same time such notice is provided to the successor.

9. Time is of the essence in the performance of this Agreement.

10. Any notice or demand for payment to a party required or called for in this Agreement shall be served in person, or by deposit in the U.S. Mail, first class postage prepaid, to addresses listed on Page 1 of this agreement either for the Owner or City. Notice(s) shall be deemed effective upon receipt, or seventy-two (72) hours after deposit in the U.S. Mail, whichever is earlier. A party may change a notice address only by providing written notice thereof to the other party.
IN WITNESS THEREOF, the parties hereto have affixed their signatures as of the date first written above.

CITY OF STOCKTON, a Municipal Corporation

ATTEST: APPROVED AS TO FORM:

KURT O. WILSON
Deputy City Manager

OFFICE OF THE CITY ATTORNEY

By
City Attorney

ATTEST:

CLERK OF THE CITY OF STOCKTON

By

IDIG Stockton LLC
NAME OF PROPERTY OWNER

By
PROPERTY OWNER

Name Brian Gagne
Title Senior Vice President and Regional Director

CITY ACKNOWLEDGMENT

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

STATE OF CALIFORNIA
COUNTY OF SAN JOAQUIN

On 7-1-19 before me, Karen A. Costa, Notary Public
(insert name and title of the officer)

personally appeared Scott R. Carney

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(s), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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

WITNESS my hand and official seal.

Signature

(Seal)

KAREN A. CORRIGAN
Commission # 2130153
Notary Public - California
San Joaquin County
My Comm. Expires Nov 10, 2019

Revised February 2017
OWNED ACKNOWLEDGMENT

On October 18, 2017, before me, Jessica An, a notary public,

(personal Name and Title of Oier)

personally appeared Brian Gagne

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to

the within instrument and acknowledged to me that he/she/they executed the same in his/their

authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of

which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing

paragraph is true and correct.

WITNESS my hand and official seal.

(Seal)

- 5 -
OWNER ACKNOWLEDGMENT

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

STATE OF CALIFORNIA
COUNTY OF ____________________________

On ____________________ before me, ____________________________ (Insert Name and Title of Officer) personally appeared ____________________________ who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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

WITNESS my hand and official seal.

______________________________ (Seal)
Signature of Notary
EXHIBIT A

(Deed Copy)
Please return to:
City of Stockton
Community Development Department
Planning & Engineering Services Div.
425 North El Dorado Street
Stockton CA 95202

LLA 16-06

CERTIFICATE OF LOT LINE ADJUSTMENT

WHEREAS, IDI SERVICES GROUP, LLC, a Georgia limited liability company, property owner, has requested a lot line adjustment between:

All that real property situated in the City of Stockton, County of San Joaquin, State of California, described as follows:

SEE ATTACHED EXHIBIT A

THE LOTS AFTER ADJUSTMENT ARE MORE PARTICULARLY DESCRIBED AS FOLLOWS:

SEE ATTACHED EXHIBIT AA

WHEREAS, the land from one parcel is added to the adjacent parcel, and a greater number of parcels than originally existed is not thereby created;

WHEREAS, no additional lots or building sites are created;

WHEREAS, the lot line adjustment will not result in the creation of an additional substandard lot, or in a decrease in size of an existing substandard lot;

NOW THEREFORE, the City Engineer and Director of Community Development of the City of Stockton duly recognize the appropriateness of and approve said lot line adjustment pursuant to the authority of the Subdivision Map Act (Government Code Section 66412) and the Stockton Municipal Code Section 16-200.020.

ERIC ALVAREZ, R.C.E. C 57830
PUBLIC WORKS DEPARTMENT
CITY ENGINEER
CITY OF STOCKTON
(Registration Expiration Date: 6/30/16)
State of California

Date: June 13, 2016
ACKNOWLEDGMENT

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

State of California
County of San Joaquin

On June 13, 2016 before me, Analissa Nunez, Office Specialist

(personally appeared Eric Alvarez)
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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

WITNESS my hand and official seal.

Signature

Additional information Certificate of Hot Line Adjustment 16-06
EXHIBIT "A"

BEFORE ADJUSTMENT
LOT LINE ADJUSTMENT 16-06
LEGAL DESCRIPTION

Parcel 1 of parcel map COS 15-05 as filed on April 7, 2018, in Book 26 of Parcel Maps, at Page 51, San Joaquin County Records, lying in a portion of Section 36, C. M. Weber Grant, City of Stockton, County of San Joaquin, State of California.

Containing: 43.455 Ac. more or less.

END OF DESCRIPTION

#15170
06/06/16

[Signature]

LASZLO ZOLD P.L.S. 8247
LICENSE EXPIRES: 12-31-17
EXHIBIT "A"

BEFORE ADJUSTMENT
LOT LINE ADJUSTMENT 16-06
LEGAL DESCRIPTION

Parcel 2 of parcel map COS 15-05 as filed on April 7, 2016, in Book 26 of Parcel Maps, at Page 51, San Joaquin County Records, lying in a portion of Section 36, C. M. Weber Grant, City of Stockton, County of San Joaquin, State of California.

Containing: 28.966 Ac. more or less.

END OF DESCRIPTION

#15170
06/06/16

LASZLO ZOLD P.L.S. 8247
LICENSE EXPIRES: 12-31-17
EXHIBIT "A"

BEFORE ADJUSTMENT
LOT LINE ADJUSTMENT 16-06
LEGAL DESCRIPTION

Parcel 4 as described in a deed recorded March 18, 2016 in Document No. 2016-031329, San Joaquin County Records, said Parcel 4 being a 3.893 acre parcel of land described as a 50 foot right of way for North Little Johns Creek, lying in a portion of Section 36, C. M. Weber Grant, City of Stockton, County of San Joaquin, State of California.

Containing: 3.893 Ac. more or less.

END OF DESCRIPTION

#15170
06/06/16

LASZLO ZOLD P.L.S. 8247
LICENSE EXPIRES: 12-31-17

PROFESSIONAL LAND SURVEYOR
STATE OF CALIFORNIA
No. 8247
EXHIBIT “AA”

LOT LINE ADJUSTMENT 16-06
LEGAL DESCRIPTION

PARCEL 1

Parcel 1 of parcel map COS 15-05 as filed on April 7, 2016, in Book 26 of Parcel Maps, at Page 51, San Joaquin County Records, lying in a portion of Section 36, C. M. Weber Grant, City of Stockton, County of San Joaquin, State of California.

TOGETHER WITH a portion of Parcel 4 as described in a deed recorded March 18, 2016 in Document No. 2016-031329, San Joaquin County Records, said Parcel 4 being a 3.893 acre parcel of land described as a 50 foot right of way for North Little John’s Creek, in Book 22 of parcel maps, at Page 145, San Joaquin County Records, said portion lying easterly of the southerly projection of the westerly line of said Parcel 1

Containing: 45.445 Ac. more or less.

END OF DESCRIPTION

NOTE:
The above described adjusted parcel is to be merged to create a single parcel and is subject to all existing easements.
This legal description is prepared in conformance with “LLA 16-06” as approved by the City of Stockton.
Attached hereto is a plat entitled Exhibit “B” which by this reference is made a part hereof.

#15170
06/06/16

LASZLO ZOLD P.L.S. 8247
LICENSE EXPIRES: 12-31-17
EXHIBIT “AA”

LOT LINE ADJUSTMENT 16-06
LEGAL DESCRIPTION

PARCEL 2

Parcel 2 of parcel map COS 15-05 as filed on April 7, 2016, in Book 26 of Parcel Maps, at Page 51, San Joaquin County Records, lying in a portion of Section 36, C. M. Weber Grant, City of Stockton, County of San Joaquin, State of California.

TOGETHER WITH a portion of Parcel 4 as described in a deed recorded March 18, 2016 in Document No. 2016-031329, San Joaquin County Records, said parcel 4 being a 3.893 acre parcel of land described as a 50 foot right of way for North Little John’s Creek, in Book 22 of parcel maps, at Page 145, San Joaquin County Records, said portion lying westerly of the southerly projection of the easterly line of said Parcel 2.

Containing: 30.867 Ac. more or less.

END OF DESCRIPTION

NOTE:
The above described adjusted parcel is to be merged to create a single parcel and is subject to all existing easements.
This legal description is prepared in conformance with “LLA 16-06” as approved by the City of Stockton.
Attached hereto is a plat entitled Exhibit “B” which by this reference is made a part hereof.

#15170
06/06/16

LASZLO ZOLD
PROFESSIONAL LAND SURVEYOR
STATE OF CALIFORNIA
EXP. No. 8247
LICENSE EXPIRES: 12-31-17
EXHIBIT B

(Operation & Maintenance Plan)
MAINTENANCE PLAN
(in accordance with FINAL Stormwater Quality Control Criteria Plan, March 2009, Appendix E-2, Maintenance Plan Guidance)

AMAZON 615K

3923 B Street
Stockton, CA

Assessor’s Parcel No. 177-140-37
177-140-38

Prepared For:

IDIG STOCKTON LLC
601 South Figueroa Street, Suite 2200
Los Angeles, CA 90017
Contact: Brian Gagne
Senior Vice President and Regional Director
(213) 330-8066

Prepared By:

SIEGFRIED
3244 Brookside Road, Suite 100
Stockton, CA 95219
(209) 943-2021

Date Prepared: 09/01/2017
A. Site

1. The main stormwater pollutants of concern associated with the new on-site development are sediment and trash/debris. The installed storm water treatment controls are intended to minimize the impacts of these pollutants to the environment. The maintenance plan described herein is a critical component of ensuring that the removal efficiency of the storm water treatment controls remains at an optimum level. Refer to the Facility Map on Page 13.

B. Baseline Descriptions

1. Owner: IDIG Stockton LLC
   601 South Figueroa Street, Suite 2200
   Los Angeles, CA 90017

   Site Contact: Brian Gagne
   Senior Vice President and Regional Director
   IDIG Stockton LLC
   (213) 330-8066

   Maintenance Manager: N/A
   N/A
   N/A
   N/A

2. The operation and maintenance of the storm water treatment controls will be funded as part of the facilities operating budget.

3. Storm Water Treatment Controls

   The following treatment controls will be employed:

   A. Bioretention: a vegetated, shallow depression that is designed to receive, retain, and infiltrate rainwater runoff from downspouts, piped inlets, or sheet flow from adjoining paved areas. A shallow surcharge or ponding zone is provided above the vegetated surface for temporary storage of the captured runoff. During stormwater events, runoff accumulates in the surcharge zone and gradually infiltrates the surface and filters through the engineered soil matrix, filling the void spaces of the matrix before infiltrating the underlying soil or being collected by an underdrain system.

4. Maintenance Procedures & Guidelines

   A. Bioretention
      • Remove void areas, treat diseased trees and shrubs
      • Inspect soil and repair eroded areas
      • Remove litter and debris
      • Remove and replace dead and diseased vegetation
      • Add additional mulch
      • Remove sediment in inlet areas
      • Replace tree stakes and wire

   B. Site inspection procedures will be performed in accordance with the Operation and Maintenance Plan per the Stormwater Treatment Device
Access and Maintenance Agreement Exhibit A. The section above also describes the inspections required to maintain the stormwater treatment controls. Table A (attached) shall be printed and filled out each year. Records of the maintenance schedule for the stormwater treatment controls (refer to attachments) shall be kept for five (5) years.

C. Refer to the Maintenance and Inspection Schedule in Attachments, Table A

D. Required equipment and material for maintenance:
- Lawn Mower, edger, clippers, rakes, shovels, brooms, gloves, etc. for lawn and landscaping maintenance
- Dirt, sod and extra planting material to repair damaged area due to erosion, vandalism, etc.
- Trees, plants, tree stakes, rope, etc. to replace landscaping due to dead and/or diseased vegetation

5. Potential Illicit Discharges
Inlets within the project site area include grates and signs, which both discourage and minimize the potential for illicit discharges into the storm drain system.

C. Spill Plan

1. Site Contact:  
   Brian Gagne 
   Senior Vice President and Regional Director 
   IDIG Stockton LLC 
   (213) 330-8066

   Safety Manager:  
   Brian Gagne 
   Senior Vice President and Regional Director 
   IDIG Stockton LLC 
   (213) 330-8066

2. Spills and contaminants will not be routed to one of the treatment controls within the project site area. Spills shall be contained and disposed, and recorded.

3. The treated stormwater from the project site area terminally discharges into the City of Stockton storm drain, then to North Little Johns Creek.

INSTRUCTIONS
Each facility can use this template by filling in the blanks and completing the attached:
- Spills that require Special Cleanup,
- Materials Inventory,
- Maximum Cleanup Amounts,
- Facility Map,
- Spill Kit Inventory and labeling, and the
- Employee Training Log.

Once completed, this Plan becomes the facility's individual Plan and must be properly implemented and maintained. The finished Plan should be reviewed and updated at least annually.
Plan Implementation Date: ________________________________
Revision Date(s): ________________________________

Facility’s Responsible Person(s) in charge of spill response planning, implementation and maintenance of this Plan:

Brian Gagne
Senior Vice President and Regional Director
IDIG Stockton LLC
(213) 330-8066

RESPONSIBILITIES

- The Facility Responsible Person has primary responsibility for coordinating the response to emergencies, including chemical spills.
- Supervisors should ensure that employees are familiar with these procedures and receive any necessary training.
- All employees should follow these procedures in the event of a chemical spill.

EMERGENCY CONTACT NUMBERS

The following telephone numbers should be posted near telephones and in other conspicuous locations:

- Outside emergency services (police, fire department, ambulance service): 911
- Hospital: [St. Joseph’s Medical Center (209) 943-2000, Dameron Hospital (209) 944-5550, San Joaquin General Hospital (209) 835-4934], Other: _______________________
- Facility Responsible Person: Brian Gagne, Senior Vice President and Regional Director, IDIG Stockton LLC, (213) 330-8066
- Safety Department: (if applicable): _______________________
- Poison Control Center: (916) 227-1400
- Regional EPA Office: (415) 947-8000
- State environmental agency [California Department of Public Health: (916) 558-1784]
- OSHA area office: (415) 625-2547
- National Response Center: (800) 424-8802
- California Office of Emergency Management: (916) 845-8510
- San Joaquin County Illicit Discharge Hotline: (866) 755-4955
- City of Stockton Dispatch (Non-emergency): (209) 937-8377
- Others: _______________________

______________________________
______________________________
______________________________
CLEAN-UP PROCEDURES

Spilled chemicals should be effectively and quickly contained and cleaned up. Employees should clean up spills themselves only if properly trained and protected. Employees who are not trained in spill cleanup procedures should report the spill to the Responsible Person(s) listed above, warn other employees, and leave the area.

The Maximum Cleanup Amounts that properly trained employee can cleanup are listed in this document. In the event of spills greater than these amounts, contact the appropriate responders listed in the Emergency Contact Numbers listed above.

The following general guidelines should be followed for evacuation, spill control, notification of proper authorities, and general emergency procedures in the event of a chemical incident in which there is potential for a significant release of hazardous materials.

1. Evacuation
   Persons in the immediate vicinity of a spill should immediately evacuate the premises (except for employees with training in spill response in circumstances described below), if the spill is of "medium" or "large" size, or if the spill seems hazardous, immediately notify emergency response personnel.

2. Spill Control Techniques
   Once a spill has occurred, the employee needs to decide whether the spill is small enough to handle without outside assistance. Only employees with training in spill response should attempt to contain or clean up a spill.
   NOTE: If you are cleaning up a spill yourself, make sure you are aware of the hazards associated with the materials spilled, have adequate ventilation, and proper personal protective equipment. Treat all residual chemical and cleanup materials as hazardous waste.

   Spill control equipment should be located wherever significant quantities of hazardous materials are received or stored. MSDSs, absorbents, over-pack containers, container patch kits, spill dams, shovels, floor dry, acid/base neutralizers, and "caution-keep out" signs are common spill response items.

3. Spill Response and Cleanup
   Chemical spills are divided into three categories: Small, Medium and Large. Response and cleanup procedures vary depending on the size of the spill.

   Small Spills: Any spill where the major dimension is less than 18 inches in diameter. Small spills are generally handled by internal personnel and usually do not require an emergency response by police or fire department HAZMAT teams.
   - Quickly control the spill by stopping or securing the spill source. This could be as simple as uprighting a container and using floor-dry or absorbent pads to soak up spilled material. Wear gloves and protective clothing, if necessary.
   - Put spill material and absorbents in secure containers if any are available.
   - Consult with the Facility Responsible Person and the MSDS for spill and waste disposal procedures.
   - In some instances, the area of the spill should not be washed with water. Use Dry Cleanup Methods and never wash spills down the drain, onto a storm drain or onto the driveway or storage lot.
   - Both the spilled material and the absorbent may be considered hazardous waste and must be disposed of in compliance with state and federal environmental regulations.
Medium Spills: Spills where the major dimension exceeds 18 inches, but is less than 6 feet. Outside emergency response personnel (police and fire department HAZMAT teams) should usually be called for medium spills. Common sense, however, will dictate when it is necessary to call them.

- Immediately try to help contain the spill at its source by simple measures only. This means quickly uprighting a container, or putting a lid on a container, if possible. Do not use absorbents unless they are immediately available. Once you have made a quick attempt to contain the spill, or once you have quickly determined you cannot take any brief containment measures, leave the area and alert Emergency Responders at 911. Closing doors behind you while leaving helps contain fumes from spills. Give police accurate information as to the location, chemical, and estimated amount of the spill.

- Evaluate the area outside the spill. Engines and electrical equipment near the spill area must be turned off. This eliminates various sources of ignition in the area. Advise Emergency Responders on how to turn off engines or electrical sources. Do not go back into the spill area once you have left. Help emergency responders by trying to determine how to shut off heating, air conditioning equipment, or air circulating equipment, if necessary.

- If emergency responders evacuate the spill area, follow their instructions in leaving the area.

- After emergency responders have contained the spill, be prepared to assist them with any other information that may be necessary, such as MSDSs and questions about the facility. Emergency responders or trained personnel with proper personal protective equipment will then clean up the spill residue. Do not re-enter the area until the responder in charge gives the all clear. Be prepared to assist these persons from outside the spill area with MSDSs, absorbents, and containers.

- Reports must be filed with proper authorities. It is the responsibility of the spiller to inform both his/her supervisor and the emergency responders as to what caused the spill. The response for large spills is similar to the procedures for medium spills, except that the exposure danger is greater.

Large Spills: Any spill involving flammable liquid where the major dimension exceeds 6 feet in diameter, and any “running” spill, where the source of the spill has not been contained or flow has not been stopped.

- Leave the area and notify Emergency Responders (911). Give the operator the spill location, chemical spilled, and approximate amount.

- From a safe area, attempt to get MSDS information for the spilled chemical for the emergency responders to use. Also, be prepared to advise responders as to any ignition sources, engines, electrical power, or air conditioning/ventilation systems that may need to be shut off. Advise responders of any absorbents, containers, or spill control equipment that may be available. This may need to be done from a remote area, because an evacuation that would place the spiller far from the scene may be needed. Use radio or phone to assist from a distance, if necessary.

- Only emergency response personnel, in accordance with their own established procedures, should handle spills greater than 6 feet in any dimension or that are continuous. Remember, once the emergency responders or HAZMAT team is on the job cleaning up spills or putting out fires, the area is under their control and no one may re-enter the area until the responder in charge gives the all clear.

- Provide information for reports to supervisors and responders, just as in medium spills.
REPORTING SPILLS

All chemical spills, regardless of size, should be reported as soon as possible to the Facility Responsible Person. The Responsible Person will determine whether the spill has the potential to affect the environment outside of the facility and must be reported to 911 or the National Response Center at 800-424-8802. Examples of spills that could affect the outside environment include spills that are accompanied by fire or explosion and spills that could reach nearby water bodies.

Accidental releases of certain toxic substances must be reported to the California Office of Emergency Management; and the San Joaquin County Disaster Preparedness Team, as required by the Emergency Planning and Community Right-to-Know Act. The Responsible Person will also make this determination.
**SPILLS (MATERIALS) THAT REQUIRE SPECIAL CLEANUP**

Describe any materials used at your facility that require special materials and procedures for cleanup procedures beyond those listed above. Provide details regarding hazards associated with these.

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<tr>
<th>Material</th>
<th>Hazards</th>
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</table>
MATERIAL INVENTORY

List all materials or wastes that may require clean up. List the average and maximum amounts on site and their storage locations. *(Example materials are listed for convenience only. Ignore any that do not apply and add any other materials of concern that are onsite. Use additional sheets if necessary.)*

**Material Amount (avg/max) Location(s)**

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<thead>
<tr>
<th>Material</th>
<th>Amount</th>
<th>Location</th>
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<td>Fertilizers</td>
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<td>Herbicides</td>
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<td>Paints/Stains</td>
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<td>Pesticides</td>
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<td>Other</td>
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MAXIMUM CLEANUP AMOUNTS

Identify the maximum volume of spill that may be cleaned up by facility employees or contractors based on material (use 1 qt or 1 lb unless other information is available). Also identify how wastes from a spill of any material will be disposed (for example, absorbed and placed in dumpster) and the name and address of the offsite facility to which clean-up wastes will be sent for hazardous waste disposal, if applicable:

<table>
<thead>
<tr>
<th>Material</th>
<th>Maximum Volume to be cleaned</th>
<th>Disposal Method/Location</th>
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LABEL SPILL KITS
(Refer to the Spill Kit Inventory In Attachments, Table B)

- Label each spill kit prominently with the words "SPILL KIT" or "ABSORBENTS" etc.
- Label or stencil the necessary emergency telephone number(s) or pager number(s) of persons to be contacted in case of a spill or leak that is beyond the training and equipment available on or near each spill locker.

Facility Responsible Person/Phone No.: Brian Gagne, Senior Vice President and Regional Director, IDIG Stockton LLC. (213) 330-8666

Spill Response Contractor(if any)/Phone No.: _________/(_____)____-_____

State 24-Hour Emergency Spill Reporting Hot-Line: (800) 876-4766

- Stencil the following warning PROMINENTLY on each spill locker:

"WARNING: NEVER HOSE DOWN A SPILL!
CLEAN IT UP PROMPTLY AND DISPOSE OF THE WATER PROPERLY."

D. Facility Changes

1. There are no anticipated changes to the facility or use of the facility once the improvements are constructed. If the function or use of the site is to change the owner should notify the City and County. If there are any changes to the site or stormwater quality control measure the Maintenance Plan needs to be modified.

E. Training (Refer to the Training Log in Attachments, Table D)

1. Training should include:
   A. Good housekeeping procedures defined in the plan
   B. Proper maintenance of all pollution mitigation devices
   C. Identification and cleanup procedures for spills and overflows
   D. Large-scale spill or hazardous material response
   E. Safety concerns when maintaining devices and cleaning spills

F. Basic Inspection and Maintenance Activities (Refer to the Inspector Log in Attachments, Table C)

1. Once annually, perform testing of any mechanical or electrical devices prior to wet weather.
2. Report any significant changes in stormwater control measures to the site management. As appropriate, assure mechanical devices are working properly and/or landscaped BMP plantings are irrigated and nurtured to promote thick growth.
3. Note any significant maintenance requirements due to spills or unexpected discharges.
4. As appropriate, perform maintenance and replacement as scheduled and as needed in a timely manner to assure stormwater control measures are performing as designed and approved.
5. Assure unauthorized low-flow discharges from the property do not by-pass stormwater control measures.
6. Perform an annual assessment of each pollution generation operation and its associated stormwater control measures to determine if any part of the pollution reduction train can be improved.
G. Revisions to Pollution Mitigation Measures

1. If future correction or modification of pass stormwater control measures or procedures is required, the owner shall obtain approval from the governing stormwater agency prior to commencing any work. Corrective measures or modifications shall not cause discharges to by-pass or otherwise impede existing stormwater control measures.

H. Monitoring & Reporting Program

1. Monitor and Report the Stormwater Control Measures are performing adequately to the City of Stockton and San Joaquin County as necessary and as each municipality requires.

2. Performance testing shall be done in accordance with the requirements by City of Stockton and San Joaquin County, if requested.
### Table A: Maintenance and Inspection Schedule

<table>
<thead>
<tr>
<th>Maintenance Activity</th>
<th>Frequency of Maintenance</th>
<th>January</th>
<th>February</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
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<th>November</th>
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<tbody>
<tr>
<td>Maintain and clean all filters and collection system tanks</td>
<td>As needed</td>
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<td>Prune and trim, dead and diseased trees and shrubs</td>
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<td>Prune and trim, dead and diseased trees and shrubs</td>
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<td>Remove and replace dead and dying vegetation</td>
<td>Bi-Annual</td>
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<td>Add additional mulch and replace missing wood</td>
<td>Annual</td>
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<td>Temporarily remove healthy vegetation</td>
<td>As needed</td>
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</table>

Note: Maintenance activities shall be performed in accordance with the Maintenance Plan. Mark an "X" when the maintenance activity has been performed and provide notes below each month "X".
<table>
<thead>
<tr>
<th>Maintenance Activity</th>
<th>Frequency of Maintenance</th>
<th>January</th>
<th>February</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
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<tbody>
<tr>
<td>Mow grass within 15 days to maintain a height of 1 to 2 inches</td>
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<td>                        Pedestrian Sheriffs Performed</td>
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<td>Remove grass, dipoles, trash, and debris from the street</td>
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<td>                                                    Preventive Sherman Services Performed</td>
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<tr>
<td>Line integrated and management techniques</td>
<td>As required</td>
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<tr>
<td>Inspect walls for signs of erosion, vegetation damage/overgrowth, channelisation problems, debris accumulation, excessive vegetation, loss of standing water, and excessive water levels</td>
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Note: Maintenance activities shall be performed in accordance with the Maintenance Plan. Mark an "X" where the maintenance activity has been performed and provide notes below each marked "X".
TABLE B: SPILL KIT INVENTORY

List the spill response equipment that will be maintained in each locker (refer to the Maintenance Plan to determine recommended clean-up methods and supplies):

<table>
<thead>
<tr>
<th>LOCKER NUMBER OR LOCATION</th>
<th>ABSORBENTS (bags of loose absorbents, pigs rolls or sheets, containers of neutralizing agents)</th>
<th>TOOLS (shovels, brooms, dust pans, waste containers, squeegees, etc.)</th>
<th>PERSONAL PROTECTIVE EQUIPMENT (impermeable gloves, goggles, aprons, boots, dust masks, etc.)</th>
<th>OTHER SUPPLIES (warning tape, labels, markers, MSDSs, etc.)</th>
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<tr>
<td>Inspector Name</td>
<td>Date</td>
<td>Stormwater Control Device</td>
<td>Bioretention Area is Maintained and Debris is Picked Up</td>
<td>Over Union Inspected</td>
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<td>Bioretention Area 1</td>
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<td>Bioretention Area 12.1</td>
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<td>Bioretention Area 12.2</td>
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<td>Bioretention Area 12.3</td>
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AMAZON 615K, 3923 B STREET, STOCKTON, CA

TABLE D: EMPLOYEE TRAINING LOG
Identify the spill response training provided to each employee or contractor who is charged with responsibility for spill response:

<table>
<thead>
<tr>
<th>EMPLOYEE OR CONTRACTOR NAME</th>
<th>INSTRUCTOR'S NAME</th>
<th>DATE OF TRAINING</th>
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STORMWATER QUALITY CONTROL
PLAN
(SWQCP)

AMAZON 615K
3923 S. B Street
Stockton, CA

APN: 177-140-37
177-140-38

Prepared For:

IDIG STOCKTON LLC
601 South Figueroa Street, Suite 2200
Los Angeles, CA 90017
(213) 330-8066
Attn: Brian Gagne
Senior Vice President and Regional Director

Prepared By:

SIEGFRIED ENGINEERING, INC.
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Stockton, CA 95219
(209) 943-2021

Date Prepared: 09/01/2017
# TABLE OF CONTENTS

**I. WATER QUALITY**
- Regulatory Requirements .................................................. 1

**II. PROJECT DESCRIPTION**
- Project Category (per Table 2-2 of the SWQCC Plan) ............. 2
- Development Characteristics ............................................. 2

**III. SITE DESCRIPTION**
- Site Specifics .................................................................... 2
- Site Drainage Characteristics ............................................ 2

**IV. STORMWATER POLLUTION CONTROL MEASURES**
- General Site Design Control Measures ............................... 3
  1. Conserve Natural Areas (G-1) ........................................ 3
  2. Protect Slopes and Channels (G-2) ................................. 3
  3. Minimize Soil Compaction (G-3) ................................. 3
  4. Minimize Impervious Area (G-4) .................................. 4
- Site Specific Source Control Measures .............................. 4
  1. Storm Drain Message and Signage (S-1) ......................... 4
  2. Outdoor Material Storage Area Design (S-2) .................. 4
  3. Outdoor Trash Storage Area & Waste Handling Design (S-3) .... 4
  4. Outdoor Loading/Unloading Dock Area Design (S-4) .......... 4
  5. Outdoor Repair/Maintenance Bay Design (S-5) ................ 4
  6. Outdoor Vehicle/Equipment/Accessory Washing Area Design (S-6) .... 4
  7. Fueling Area and Maintenance Design (S-7) .................. 4
- Volume Control Measures .................................................. 5
  1. Rain Garden (V-1) .................................................... 5
  2. Rain Barrel/Cistern (V-2) .......................................... 5
  3. Vegetated Roof (V-3) .................................................. 5
  4. Interception Trees (V-4) ............................................. 5
  5. Grassy Channel (V-5) ................................................. 5
  6. Vegetated Buffer Strip (V-6) ...................................... 5
- Volume Reduction Requirements ......................................... 5
- Treatment Control Measures ............................................. 6
  1. Volume Reduction ..................................................... 6
  2. Stormwater Quality Design Volume (SQDV) ................... 6

**V. MAINTENANCE/INSPECTION RESPONSIBILITY FOR BMPs** .............. 16

**VI. EXHIBITS**
- Exhibit A – Vicinity Map and Stormwater Site Plans .......... 17
- Exhibit B – Site Improvement Plans ................................. 17
- Exhibit C – Table 2-2 from SWQCC Plan ......................... 17
- Exhibit D – Volume Reduction Calculator Printouts ............ 17
- Exhibit E – Bioretention Area SQDV Calculation Printouts .... 17
- Exhibit F – S-1 Storm Drain Message and Signage .............. 17
TABLES AND FORMS

Table 1. Determination of Pre-Project Volume................................................................. 5
Table 2. Determination of Post-Project Volume................................................................. 6
Table 3. Summary of Volume Reduction............................................................................ 11
Table 4. Stormwater Quality Design Volume (SQDV) Calculations ................................ 13
Table 5. BMP Inspection and Maintenance Responsibility................................................ 16
OWNER'S CERTIFICATION

STORMWATER QUALITY CONTROL PLAN

for

AMAZON 615K

This Stormwater Quality Control Plan (Plan) was prepared for Amazon 615K by Siegfried Engineering, Inc. This Plan is intended to comply with all requirements specified in the City of Stockton Stormwater Quality Control Criteria Plan (SWQCCP) for new development and redevelopment projects.

The undersigned understands that stormwater pollution control measures are enforceable requirements under the SWQCCP. The undersigned, while owning the property on which such control measures are to be implemented, is responsible for the implementation of the provisions of this Plan and for the maintenance of all structural stormwater pollution control measures and agrees to ensure that the conditions on the project site conform to the requirements specified in the SWQCCP.

Once the undersigned transfers its interest in the project property, its successors-in-interest shall bear the aforementioned responsibility to maintain structural stormwater pollution control measures and to implement and amend this Plan.

IDIG Stockton, LLC
Attn: Brian Gagne
Senior Vice President and Regional Director
601 South Figueroa Street, Suite 2200
Los Angeles, CA 90017
(213) 330-8066

Signature

Print Name  Brian Gagne

Title  SrP & Regional Director

Date  10/18/17
STORMWATER QUALITY CONTROL PLAN
for
AMAZON 615K

I. WATER QUALITY

A. Regulatory Requirements

Surface water quality is subject to federal, state, and local water quality requirements. General requirements are shown in the following table and discussed in more detail below.

<table>
<thead>
<tr>
<th>Water Quality Requirement</th>
<th>Enforcing Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Water Act</td>
<td>United States Environmental Protection Agency (USEPA), but largely delegated to the SWRCB and RWQCB.</td>
</tr>
<tr>
<td>National Pollutant Discharge Elimination System Permit (NPDES)</td>
<td>California State Water Resources Control Board (SWRCB)</td>
</tr>
<tr>
<td>Municipal Separate Storm Sewer System Permit (MS4)</td>
<td>Regional Water Quality Control Board (RWQCB)</td>
</tr>
<tr>
<td>Stormwater Quality Control Criteria Plan (SWQCCP)</td>
<td>City of Stockton</td>
</tr>
</tbody>
</table>

The Federal Clean Water Act (33 U.S.C. §§1251 et seq.) is the principal federal statute governing water quality. The goal of the Clean Water Act is to protect the physical, chemical, and biological integrity of the waters of the United States. The Clean Water Act requires the State to adopt water quality standards for water bodies and have those standards approved by EPA. The California state agencies that set water quality standards are the California State Water Resources Control Board (SWRCB) and the Regional Water Quality Control Boards (RWQCBs) that are under the SWRCB’s purview. Water quality standards consist of a designated beneficial use or uses for a particular water body, along with water quality objectives based upon these uses (40 C.F.R. §131.3(i)). Designated beneficial uses of water bodies describe the appropriate uses of that water body, such as contact recreation, warm water habitat, and municipal or drinking water uses. Water quality objectives are limits or levels of water pollutants and/or narrative statements that represent the quality of water that support a particular use.

Under the Clean Water Act, National Pollutant Discharge Elimination System (NPDES) permits require effluent limits necessary to meet water quality standards for pollutants that may cause or contribute to an exceedance of a State Water Quality Standard (40 C.F.R. § 122.44). NPDES permits may establish enforceable effluent limitations on discharges, require monitoring of discharges, designate reporting requirements, or require the permittee to perform Best Management Practices (BMPs). BMPs are procedures designed to minimize the release of pollutants. BMPs may be used in addition to numeric effluent limitations, or, in some cases, in lieu of numeric effluent limitations (40 C.F.R. § 122.44(k)). When application of numeric effluent limitations is technically infeasible, such as in permits governing stormwater discharges, effluent limitations are expressed as BMPs.

The medium MS4 (Order No. R5-2007-0173) is the NPDES permit governing stormwater discharges and certain non-stormwater discharges to the public storm drain system within the City of Stockton and County of San Joaquin under the Central Valley RWQCB. The medium MS4 F:\15Projects\15170 Zephyr & B Street Development\1100 Stockton Logistics Center 2017\SWQCP\15170 SWQCP.docx
II. PROJECT DESCRIPTION

A. Project Category (per Table 2-2 of the SWQCC Plan)

- [ ] Significant Redevelopment (≥ 5,000sf)
- [x] Commercial Developments (≥ 5,000sf)
- ________ Automotive Repair Shops
- ________ Retail Gasoline Outlets
- ________ Restaurants
- ________ Parking Lots (≥ 5,000sf or 25 spaces)
- ________ Streets and Roads (> 1 acre paved surface)
- ________ Home Subdivisions (≥ 10 units)

B. Development Characteristics

Size of development, details, and anticipated uses:

This project consists of the construction of an 615,440 sf warehouse building and surrounding parking facilities, totaling 71.2 acres.

Parcel's Zoned: Industrial General (IG)

Refer to the exhibits provided in Section VI of this document showing the proposed site layout, site characteristics, and BMP locations.

III. SITE DESCRIPTION

The Project site is herein referred to as the Amazon 615K Project. Refer to the Vicinity Map exhibit provided in Section VI of this document for location of the Project site and surrounding planning areas.

A. Site Specifics

- General location: City of Stockton, County of San Joaquin, California

- Specific location: The Project site is currently vacant land, and is bound by Zephyr Street to the north, South B Street to the east, North Little John's Creek to the south and the South Airport way to the west. The project site area totals 71.2 acres (or 3,102,145 square feet, as shown in Exhibit A) and is located on 3923 B Street, in Stockton, California. The project parcel is in an urban community. The pollutants that are expected to contribute to the runoff are trash and debris, and could also include sediment, nutrients, oxygen demand, toxic organics, and bacteria.

- Watershed: North Little Johns Creek.
Site activities: The Project site consists of a warehouse for receiving, sorting, storing, and delivering retail goods with trailer truck, employee, and visitor parking areas, as well as trailer truck loading and unloading areas.

B. Site Drainage Characteristics

The proposed site is divided into 12 drainage management areas (DMA’s) that each drain to a bioretention area. The new impervious runoff from the truck parking area on the west side of the building will surface drain to bioretention facilities on the north and east side of the truck parking area. The new impervious runoff from the traditional parking lot to the east of the building will be split into 3 tributary areas at the two main east-west running drive aisles that run through the proposed parking lot. These tributary areas will consist of 3 interconnected bioretention facilities using a storm drain pipe that allow each of the interconnected sub-basins to pond equally and thus act a single bioretention area. Downspouts from the proposed warehouse building will surface drain roof runoff to bioretention areas north and south of the building.

If the stormwater quality design volume (SQDV) is exceeded, each basin has an overflow inlet that discharges the excess stormwater to the existing storm drain on B Street and Zephyr Street.

Refer to Exhibits A and B.

IV. STORMWATER POLLUTION CONTROL MEASURES

This section discusses the Best Management Practices (BMPs) for New Development and Redevelopment to reduce predictable pollutants in runoff entering storm drain systems that drain to the Delta. The Site Design Control Measures and the Source Control Measures listed herein are taken from Section 3 and Section 4, respectively, of the Final Stormwater Quality Control Criteria Plan (SWQCCP), dated March 2009. A summary of the control measures of the BMPs listed herein (see Attachment C) are taken from Table 2-2 provided in SWQCCP, March, 2009.

A. General Site Design Control Measures

1. Conserve Natural Areas (G-I)
   
   X applicable  not applicable

   As much as possible, naturally vegetated areas will be conserved and environmental impacts will be minimized.

2. Protect Slopes and Channels (G-2)

   X applicable  not applicable

   All slopes within the Project site will be vegetated with full-cover grass.

3. Minimize Soil Compaction (G-3)

   X applicable  not applicable

   As much as feasibly possible, equipment access will be limited to the new development envelope.
4. Minimize Impervious Area (G-4)

   X  applicable  _____ not applicable

   Reduced building and sidewalk area.

<table>
<thead>
<tr>
<th>BMP NAME</th>
<th>BMP DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioretention</td>
<td>Provide conveyance of storm water, while removing fine and coarse sediments.</td>
</tr>
</tbody>
</table>

B. Site Specific Source Control Measures

1. Storm Drain Message and Signage (S-1)
   per Figure 4-1 of SWQCP attached with their plan

   X  applicable  _____ not applicable

   All storm drain inlets or catch basins constructed in will be required to include a storm drain message and signage per Exhibit F.

2. Outdoor Material Storage Area Design (S-2)

   _____ applicable  X  not applicable

   Materials are not intended to be stored outside of the building.

3. Outdoor Trash Storage Area & Waste Handling Design (S-3)

   X  applicable  _____ not applicable

   The warehouse has three trash augers and one compactor connected to four dock doors. The area with the trash augers and compactor is surrounded by walls to prevent stormwater run-on and discharge. After compaction, trash is picked up by a waste disposal contractor. The trash storage area is hydraulically isolated, and drains via trench drains to a sewer line served by a sand/oil separator.

4. Outdoor Loading/Unloading Dock Area Design (S-4)

   X  applicable  _____ not applicable

   The outdoor docks and loading areas are graded so runoff drains to the bioretention area.

5. Outdoor Repair/Maintenance Bay Design (S-5)

   _____ applicable  X  not applicable

6. Outdoor Vehicle/Equipment/Accessory Washing Area Design (S-6)

   _____ applicable  X  not applicable

7. Fueling Area and Maintenance Design (S-7)

   _____ applicable  X  not applicable
C. Volume Control Measures

1. Rain Garden (V-1)
   ______ applicable   X not applicable

2. Rain Barrel/Cistern (V-2)
   ______ applicable   X not applicable

3. Vegetated Roof (V-3)
   ______ applicable   X not applicable

4. Interception Trees (V-4)
   ______ applicable   X not applicable

5. Grassy Channel (V-5)
   ______ applicable   X not applicable

6. Vegetated Buffer Strip (V-6)
   ______ applicable   X not applicable

D. Volume Reduction Requirements

New development projects are not eligible for volume reduction credits. Therefore, the storm volume (for volume reduction requirements) is 0.51 in.

\[ \text{Storm Volume} = 0.51 \text{ in} \]

Table 1. Determination of Pre-Project Volume

<table>
<thead>
<tr>
<th>Site Element</th>
<th>Element Area, ft² (A_{element})</th>
<th>Fraction of Total Area (A_{element}/A_{site})</th>
<th>Element Runoff Coefficient (C_r)</th>
<th>Weighted Runoff Coefficient (C_{w})</th>
<th>0.51-inch Storm Volume, ft²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disturbed Soils: Type C/D Soil</td>
<td>3,096,387</td>
<td>3,096,387 / 3,102,145 = 0.9981</td>
<td>0.25</td>
<td>0.9981 x 0.250 = 0.2495</td>
<td></td>
</tr>
<tr>
<td>Asphalt/Concrete Pavement</td>
<td>5,758</td>
<td>5,758 / 3,102,145 = 0.0019</td>
<td>0.95</td>
<td>0.0019 x 0.950 = 0.0018</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>3,102,145</td>
<td></td>
<td></td>
<td>0.2513</td>
<td>33131.6</td>
</tr>
</tbody>
</table>
Table 2. Determination of Post-Project Volume

<table>
<thead>
<tr>
<th>Site Element</th>
<th>Element Area, ft² (Aelement)</th>
<th>Fraction of Total Area (Aelement/Asite)</th>
<th>Element Runoff Coefficient (Cᵣ)</th>
<th>Weighted Runoff Coefficient (Cᵣw)</th>
<th>0.51-inch Storm Volume, ft³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Managed Turf: Type C/D Soil</td>
<td>663,246</td>
<td>663,246 / 3,102,145 = 0.2138</td>
<td>0.25</td>
<td>0.2138 x 0.250 = 0.0534</td>
<td></td>
</tr>
<tr>
<td>Asphalt/ Concrete Pavement</td>
<td>1,687,497</td>
<td>1,687,497 / 3,102,145 = 0.5440</td>
<td>0.95</td>
<td>0.5440 x 0.950 = 0.5168</td>
<td></td>
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<tr>
<td>Roofs</td>
<td>615,440</td>
<td>615,440 / 3,102,145 = 0.1984</td>
<td>0.95</td>
<td>0.1984 x 0.950 = 0.1885</td>
<td></td>
</tr>
<tr>
<td>Bioretention</td>
<td>135,962</td>
<td>135,962 / 3,102,145 = 0.0438</td>
<td>1.00</td>
<td>0.0438 x 1.000 = 0.0438</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>3,102,145</strong></td>
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<td></td>
<td><strong>0.8025</strong></td>
<td><strong>105,806.5</strong></td>
</tr>
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Pre-Project Volume | 33,131.6

Volume Reduction Requirement | 72,674.9

According to the March 2009 SQCCP, bioretention (L-1) contributes towards volume reduction. Bioretention areas were chosen over other options as they are economical, enhance site aesthetics, and provide both treatment and volume reduction benefits. The bioretention areas capture runoff that drains away from the site via sheet flow. Since the site has poorly draining soils, each bioretention area will be installed with a subdrain to reduce ponding. See Sheet 4 of Exhibit A for bioretention areas.

E. Treatment Control Measures

1. Volume Reduction

   The following treatment control measures were selected for this new development:

   A. Bioretention: a bioretention system located within the base of a swale for the purpose of conveyance of water, while removing fine and coarse sediments

   This treatment control measure was selected not only for its ability to convey storm water, but also for its ability to simultaneously serve as a treatment media. There will be one bioretention area parallel and adjacent to the proposed building along the south, as well as two bioretention areas parallel and adjacent to the proposed building along the north.

   Bioretention area calculations are provided in Exhibit E.

   A summary of the calculations of each bioretention area is shown below. For the location of the bioretention areas, see Exhibit A.
Bioretention #1

\[ V_{\text{reduction,1}} = (D_{PZ} \times A_{PZ} \times 0.25) + (D_{PM} \times A_{PM} \times 0.1) + (D_{GZ} \times A_{GZ} \times 0.3) \]

- \( D_{PZ} = \text{Depth of Ponding Zone} = 1.0 \text{ ft} \)
- \( A_{PZ} = \text{Area of Ponding Zone} = 6,375.0 \text{ ft}^2 \)
- \( D_{PM} = \text{Depth of Planting Media Layer} = 1.5 \text{ ft} \)
- \( A_{PM} = \text{Area of Planting Media Layer} = 6,375.0 \text{ ft}^2 \)
- \( D_{GZ} = \text{Depth of Gravel Zone} = 0.50 \text{ ft} \)
- \( A_{GZ} = \text{Area of Gravel Zone} = 6,375.0 \text{ ft}^2 \)

\[ V_{\text{reduction,1}} = 3,506.3 \text{ ft}^3 \]

Bioretention #2

\[ V_{\text{reduction,2}} = (D_{PZ} \times A_{PZ} \times 0.25) + (D_{PM} \times A_{PM} \times 0.1) + (D_{GZ} \times A_{GZ} \times 0.3) \]

- \( D_{PZ} = \text{Depth of Ponding Zone} = 1.0 \text{ ft} \)
- \( A_{PZ} = \text{Area of Ponding Zone} = 4,179.0 \text{ ft}^2 \)
- \( D_{PM} = \text{Depth of Planting Media Layer} = 1.5 \text{ ft} \)
- \( A_{PM} = \text{Area of Planting Media Layer} = 4,179.0 \text{ ft}^2 \)
- \( D_{GZ} = \text{Depth of Gravel Zone} = 0.50 \text{ ft} \)
- \( A_{GZ} = \text{Area of Gravel Zone} = 4,179.0 \text{ ft}^2 \)

\[ V_{\text{reduction,2}} = 2,298.5 \text{ ft}^3 \]

Bioretention #3

\[ V_{\text{reduction,3}} = (D_{PZ} \times A_{PZ} \times 0.25) + (D_{PM} \times A_{PM} \times 0.1) + (D_{GZ} \times A_{GZ} \times 0.3) \]

- \( D_{PZ} = \text{Depth of Ponding Zone} = 1.0 \text{ ft} \)
- \( A_{PZ} = \text{Area of Ponding Zone} = 4,225.0 \text{ ft}^2 \)
- \( D_{PM} = \text{Depth of Planting Media Layer} = 1.5 \text{ ft} \)
- \( A_{PM} = \text{Area of Planting Media Layer} = 4,225.0 \text{ ft}^2 \)
- \( D_{GZ} = \text{Depth of Gravel Zone} = 0.50 \text{ ft} \)
- \( A_{GZ} = \text{Area of Gravel Zone} = 4,225.0 \text{ ft}^2 \)

\[ V_{\text{reduction,3}} = 2,323.8 \text{ ft}^3 \]
Bioretention #4

\[ V_{\text{reduction,4}} = (D_{PZ} \times A_{PZ} \times 0.25) + (D_{PM} \times A_{PM} \times 0.1) + (D_{GZ} \times A_{GZ} \times 0.3) \]

- \( D_{PZ} = \text{Depth of Ponding Zone} = 1.0 \text{ ft} \)
- \( A_{PZ} = \text{Area of Ponding Zone} = 8,875.0 \text{ ft}^2 \)
- \( D_{PM} = \text{Depth of Planting Media Layer} = 1.5 \text{ ft} \)
- \( A_{PM} = \text{Area of Planting Media Layer} = 8,875.0 \text{ ft}^2 \)
- \( D_{GZ} = \text{Depth of Gravel Zone} = 0.50 \text{ ft} \)
- \( A_{GZ} = \text{Area of Gravel Zone} = 8,875.0 \text{ ft}^2 \)

\[ V_{\text{reduction,4}} = 4,881.3 \text{ ft}^3 \]

Bioretention #5

\[ V_{\text{reduction,5}} = (D_{PZ} \times A_{PZ} \times 0.25) + (D_{PM} \times A_{PM} \times 0.1) + (D_{GZ} \times A_{GZ} \times 0.3) \]

- \( D_{PZ} = \text{Depth of Ponding Zone} = 1.0 \text{ ft} \)
- \( A_{PZ} = \text{Area of Ponding Zone} = 13,377.0 \text{ ft}^2 \)
- \( D_{PM} = \text{Depth of Planting Media Layer} = 1.5 \text{ ft} \)
- \( A_{PM} = \text{Area of Planting Media Layer} = 13,377.0 \text{ ft}^2 \)
- \( D_{GZ} = \text{Depth of Gravel Zone} = 0.50 \text{ ft} \)
- \( A_{GZ} = \text{Area of Gravel Zone} = 13,377.0 \text{ ft}^2 \)

\[ V_{\text{reduction,5}} = 7,357.4 \text{ ft}^3 \]

Bioretention #6

\[ V_{\text{reduction,6}} = (D_{PZ} \times A_{PZ} \times 0.25) + (D_{PM} \times A_{PM} \times 0.1) + (D_{GZ} \times A_{GZ} \times 0.3) \]

- \( D_{PZ} = \text{Depth of Ponding Zone} = 1.0 \text{ ft} \)
- \( A_{PZ} = \text{Area of Ponding Zone} = 1,830.0 \text{ ft}^2 \)
- \( D_{PM} = \text{Depth of Planting Media Layer} = 1.5 \text{ ft} \)
- \( A_{PM} = \text{Area of Planting Media Layer} = 1,830.0 \text{ ft}^2 \)
- \( D_{GZ} = \text{Depth of Gravel Zone} = 0.50 \text{ ft} \)
- \( A_{GZ} = \text{Area of Gravel Zone} = 1,830.0 \text{ ft}^2 \)

\[ V_{\text{reduction,6}} = 1,006.5 \text{ ft}^3 \]
**Bioretention #7**

\[ V_{\text{reduction,7}} = (D_{PZ} \times A_{PZ} \times 0.25) + (D_{PM} \times A_{PM} \times 0.1) + (D_{GZ} \times A_{GZ} \times 0.3) \]

- \( D_{PZ} = \) Depth of Ponding Zone = 1.0 ft
- \( A_{PZ} = \) Area of Ponding Zone = 10,449.0 ft\(^2\)
- \( D_{PM} = \) Depth of Planting Media Layer = 1.5 ft
- \( A_{PM} = \) Area of Planting Media Layer = 10,449.0 ft\(^2\)
- \( D_{GZ} = \) Depth of Gravel Zone = 0.50 ft
- \( A_{GZ} = \) Area of Gravel Zone = 10,449.0 ft\(^2\)

\[ V_{\text{reduction,7}} = 5,747.0 \text{ ft}^3 \]

**Bioretention #8**

\[ V_{\text{reduction,8}} = (D_{PZ} \times A_{PZ} \times 0.25) + (D_{PM} \times A_{PM} \times 0.1) + (D_{GZ} \times A_{GZ} \times 0.3) \]

- \( D_{PZ} = \) Depth of Ponding Zone = 1.0 ft
- \( A_{PZ} = \) Area of Ponding Zone = 39,282.0 ft\(^2\)
- \( D_{PM} = \) Depth of Planting Media Layer = 1.5 ft
- \( A_{PM} = \) Area of Planting Media Layer = 39,282.0 ft\(^2\)
- \( D_{GZ} = \) Depth of Gravel Zone = 0.50 ft
- \( A_{GZ} = \) Area of Gravel Zone = 39,282.0 ft\(^2\)

\[ V_{\text{reduction,8}} = 21,605.1 \text{ ft}^3 \]

**Bioretention #9**

\[ V_{\text{reduction,9}} = (D_{PZ} \times A_{PZ} \times 0.25) + (D_{PM} \times A_{PM} \times 0.1) + (D_{GZ} \times A_{GZ} \times 0.3) \]

- \( D_{PZ} = \) Depth of Ponding Zone = 1.0 ft
- \( A_{PZ} = \) Area of Ponding Zone = 6,902.0 ft\(^2\)
- \( D_{PM} = \) Depth of Planting Media Layer = 1.5 ft
- \( A_{PM} = \) Area of Planting Media Layer = 6,902.0 ft\(^2\)
- \( D_{GZ} = \) Depth of Gravel Zone = 0.50 ft
- \( A_{GZ} = \) Area of Gravel Zone = 6,902.0 ft\(^2\)

\[ V_{\text{reduction,9}} = 3,796.1 \text{ ft}^3 \]
Bioretention #10

\[V_{\text{reduction,10}} = (D_{PZ} \times A_{PZ} \times 0.25) + (D_{PM} \times A_{PM} \times 0.1) + (D_{GZ} \times A_{GZ} \times 0.3)\]

\[D_{PZ} = \text{Depth of Ponding Zone} = 1.0 \, \text{ft}\]
\[A_{PZ} = \text{Area of Ponding Zone} = 25,832.0 \, \text{ft}^2\]
\[D_{PM} = \text{Depth of Planting Media Layer} = 1.5 \, \text{ft}\]
\[A_{PM} = \text{Area of Planting Media Layer} = 25,832.0 \, \text{ft}^2\]
\[D_{GZ} = \text{Depth of Gravel Zone} = 0.50 \, \text{ft}\]
\[A_{GZ} = \text{Area of Gravel Zone} = 25,832.0 \, \text{ft}^2\]

\[V_{\text{reduction,10}} = 14,207.6 \, \text{ft}^3\]

Bioretention #11

\[V_{\text{reduction,11}} = (D_{PZ} \times A_{PZ} \times 0.25) + (D_{PM} \times A_{PM} \times 0.1) + (D_{GZ} \times A_{GZ} \times 0.3)\]

\[D_{PZ} = \text{Depth of Ponding Zone} = 1.0 \, \text{ft}\]
\[A_{PZ} = \text{Area of Ponding Zone} = 9,449.0 \, \text{ft}^2\]
\[D_{PM} = \text{Depth of Planting Media Layer} = 1.5 \, \text{ft}\]
\[A_{PM} = \text{Area of Planting Media Layer} = 9,449.0 \, \text{ft}^2\]
\[D_{GZ} = \text{Depth of Gravel Zone} = 0.50 \, \text{ft}\]
\[A_{GZ} = \text{Area of Gravel Zone} = 9,449.0 \, \text{ft}^2\]

\[V_{\text{reduction,11}} = 5,197.0 \, \text{ft}^3\]

Bioretention #12

\[V_{\text{reduction,12}} = (D_{PZ} \times A_{PZ} \times 0.25) + (D_{PM} \times A_{PM} \times 0.1) + (D_{GZ} \times A_{GZ} \times 0.3)\]

\[D_{PZ} = \text{Depth of Ponding Zone} = 1.0 \, \text{ft}\]
\[A_{PZ} = \text{Area of Ponding Zone} = 5,187.0 \, \text{ft}^2\]
\[D_{PM} = \text{Depth of Planting Media Layer} = 1.5 \, \text{ft}\]
\[A_{PM} = \text{Area of Planting Media Layer} = 5,187.0 \, \text{ft}^2\]
\[D_{GZ} = \text{Depth of Gravel Zone} = 0.50 \, \text{ft}\]
\[A_{GZ} = \text{Area of Gravel Zone} = 5,187.0 \, \text{ft}^2\]

\[V_{\text{reduction,12}} = 2,852.9 \, \text{ft}^3\]
Table 3. Summary of Volume Reduction

<table>
<thead>
<tr>
<th>Control Measure</th>
<th>Volume Reduction (ft³)</th>
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</thead>
<tbody>
<tr>
<td>Bioretention Area #1 Volume Reduction</td>
<td>3,506.3</td>
</tr>
<tr>
<td>Bioretention Area #2 Volume Reduction</td>
<td>2,298.5</td>
</tr>
<tr>
<td>Bioretention Area #3 Volume Reduction</td>
<td>2,323.8</td>
</tr>
<tr>
<td>Bioretention Area #4 Volume Reduction</td>
<td>4,881.3</td>
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<tr>
<td>Bioretention Area #5 Volume Reduction</td>
<td>7,357.4</td>
</tr>
<tr>
<td>Bioretention Area #6 Volume Reduction</td>
<td>1,006.5</td>
</tr>
<tr>
<td>Bioretention Area #7 Volume Reduction</td>
<td>5,747.0</td>
</tr>
<tr>
<td>Bioretention Area #8 Volume Reduction</td>
<td>21,605.1</td>
</tr>
<tr>
<td>Bioretention Area #9 Volume Reduction</td>
<td>3,796.1</td>
</tr>
<tr>
<td>Bioretention Area #10 Volume Reduction</td>
<td>14,207.6</td>
</tr>
<tr>
<td>Bioretention Area #11 Volume Reduction</td>
<td>5,197.0</td>
</tr>
<tr>
<td>Bioretention Area #12 Volume Reduction</td>
<td>2,852.9</td>
</tr>
<tr>
<td>Total Volume Reduction Provided</td>
<td>21,605.1</td>
</tr>
<tr>
<td>Volume Reduction Requirement (from Table 2)</td>
<td>72,674.9</td>
</tr>
<tr>
<td>Volume Reduction Remaining</td>
<td>-2,104.2</td>
</tr>
</tbody>
</table>

Based upon the summary of volume reduction shown in Table 3 above (refer to Exhibit D for printouts from the City’s volume reduction calculator), the proposed treatment control measures provide a cumulative total volume reduction that exceeds the calculated volume reduction requirement of 72,674.9 ft³.

2. Stormwater Quality Design Volume (SQDV)

According to Fact Sheet T-0 of the March 2009 SWQCCP, the treatment controls used on this project must treat the Stormwater Quality Design Volume (SQDV). The bioretention area used on this project has a design drawdown of 12 hours. Since this project does not have area credits, the bioretention area must treat runoff from the tributary area of the site.

In DMA’s with interconnected sub-basins acting as a single bioretention area, the DMA is divided into sub-areas, which each sub-area consisting of the tributary area
of a single sub-basin. A SQDV was calculated for each sub-area, as well as a net SQDV for the entire DMA. The calculations demonstrate that in DMA's with interconnected sub-basins the total treatment provided by the sub-basins is sufficient for treating the entire DMA. Since these sub-basins may not be sufficient for treatment alone, the interconnection of basins will allow the required treatment. DMA sizing calculations are provided in Exhibit E.
<table>
<thead>
<tr>
<th></th>
<th>OVERALL SITE</th>
<th>DMA 1</th>
<th>DMA 2</th>
<th>DMA 3</th>
<th>DMA 4</th>
<th>DMA 5</th>
<th>DMA 6</th>
<th>DMA 7</th>
<th>DMA 8</th>
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<tbody>
<tr>
<td>Tributary Area</td>
<td>ft²</td>
<td>3,102,145.0</td>
<td>176,984.0</td>
<td>117,317.0</td>
<td>189,363.0</td>
<td>247,781.0</td>
<td>327,010.0</td>
<td>58,528.0</td>
<td>429,666.0</td>
</tr>
<tr>
<td>Tributary Impervious Area</td>
<td>ft²</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Area Credit</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Effective Tributary Area</td>
<td>ft²</td>
<td>3,102,145.0</td>
<td>176,984.0</td>
<td>117,317.0</td>
<td>189,363.0</td>
<td>247,781.0</td>
<td>327,010.0</td>
<td>58,528.0</td>
<td>429,666.0</td>
</tr>
<tr>
<td>Design Drawdown</td>
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<td>12.0</td>
<td>12.0</td>
<td>12.0</td>
<td>12.0</td>
<td>12.0</td>
<td>12.0</td>
<td>12.0</td>
</tr>
<tr>
<td>(Frac Sheet T-C from March 2009 SWQCP)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weighted Runoff Coefficient</td>
<td></td>
<td>0.8026</td>
<td>0.7116</td>
<td>0.8130</td>
<td>0.7872</td>
<td>0.7733</td>
<td>0.8264</td>
<td>0.6314</td>
<td>0.8593</td>
</tr>
<tr>
<td>Unit Basin Storage Volume (Figure 6-1 from March 2009 SWQCP)</td>
<td>in</td>
<td>0.2723</td>
<td>0.2411</td>
<td>0.2759</td>
<td>0.2671</td>
<td>0.2623</td>
<td>0.2805</td>
<td>0.2136</td>
<td>0.2916</td>
</tr>
<tr>
<td>SQDV</td>
<td>ft²</td>
<td>70,391.0</td>
<td>3,556.3</td>
<td>2,007.2</td>
<td>4,213.9</td>
<td>5,415.4</td>
<td>7,642.8</td>
<td>1,041.8</td>
<td>10,447.1</td>
</tr>
<tr>
<td>(Unit Basin Storage Volume * Effective Tributary Area * 1F(12n))</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Planting Zone Area Provided</td>
<td>ft²</td>
<td>135,962.0</td>
<td>6,375.0</td>
<td>4,179.0</td>
<td>4,225.0</td>
<td>8,875.0</td>
<td>13,377.0</td>
<td>1,830.0</td>
<td>10,449.0</td>
</tr>
<tr>
<td>Planting Zone Area Required</td>
<td>ft²</td>
<td>70,391.0</td>
<td>3,556.3</td>
<td>2,697.2</td>
<td>4,213.9</td>
<td>5,415.4</td>
<td>7,642.8</td>
<td>1,041.8</td>
<td>10,447.1</td>
</tr>
<tr>
<td>Difference (PZp - PZ)</td>
<td>ft²</td>
<td>-65,571.0</td>
<td>-2,818.7</td>
<td>-1,481.8</td>
<td>-11.1</td>
<td>-3,469.6</td>
<td>-5,734.2</td>
<td>-788.2</td>
<td>-22,319.7</td>
</tr>
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</table>

(continued on the next page)
Table 4. Stormwater Quality Design Volume (SQDV) Calculations

<table>
<thead>
<tr>
<th></th>
<th>DMA 9</th>
<th>DMA 10</th>
<th>DMA 10.1</th>
<th>DMA 10.2</th>
<th>DMA 10.3</th>
<th>DMA 11</th>
<th>DMA 11.1</th>
<th>DMA 11.2</th>
<th>DMA 11.3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tributary Area</td>
<td>ft²</td>
<td>210,949.0</td>
<td>253,836.0</td>
<td>121,628.0</td>
<td>58,466.0</td>
<td>73,742.0</td>
<td>206,143.0</td>
<td>110,363.0</td>
<td>51,755.0</td>
</tr>
<tr>
<td>Tributary Impervious Area Credit</td>
<td>ft²</td>
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<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Effective Tributary Area</td>
<td>ft²</td>
<td>210,949.0</td>
<td>253,836.0</td>
<td>121,628.0</td>
<td>58,466.0</td>
<td>73,742.0</td>
<td>206,143.0</td>
<td>110,363.0</td>
<td>51,755.0</td>
</tr>
<tr>
<td>Design Drawdown (Fact Sheet T-0 from March 2009 SWQCCP)</td>
<td>hr</td>
<td>12.0</td>
<td>12.0</td>
<td>12.0</td>
<td>12.0</td>
<td>12.0</td>
<td>12.0</td>
<td>12.0</td>
<td>12.0</td>
</tr>
<tr>
<td>Weighted Runoff Coefficient</td>
<td></td>
<td>0.7998</td>
<td>0.7746</td>
<td>0.8210</td>
<td>0.7099</td>
<td>0.7492</td>
<td>0.8517</td>
<td>0.8685</td>
<td>0.8608</td>
</tr>
<tr>
<td>Unit Basin Storage Volume (Figure 6-1 from March 2009 SWQCCP)</td>
<td>in</td>
<td>0.2714</td>
<td>0.2627</td>
<td>0.2788</td>
<td>0.2405</td>
<td>0.2540</td>
<td>0.2392</td>
<td>0.2949</td>
<td>0.2923</td>
</tr>
<tr>
<td>SQDV (Unit Basin Storage Volume * Effective Tributary Area * 1ft/12in)</td>
<td>ft³</td>
<td>4,770.1</td>
<td>5,556.9</td>
<td>2,824.1</td>
<td>1,171.9</td>
<td>1,560.9</td>
<td>4,967.3</td>
<td>2,712.2</td>
<td>1,260.8</td>
</tr>
<tr>
<td>Planting Zone Area Provided</td>
<td>ft²</td>
<td>6,902.0</td>
<td>25,832.0</td>
<td>1,606.0</td>
<td>2,766.0</td>
<td>21,438.0</td>
<td>9,449.0</td>
<td>1,571.0</td>
<td>1,574.0</td>
</tr>
<tr>
<td>Planting Zone Area Required</td>
<td>ft²</td>
<td>4,770.1</td>
<td>5,556.9</td>
<td>2,824.1</td>
<td>1,171.9</td>
<td>1,560.9</td>
<td>4,967.3</td>
<td>2,712.2</td>
<td>1,260.6</td>
</tr>
<tr>
<td>Difference (PZreq - PZ)</td>
<td>ft²</td>
<td>-2,131.9</td>
<td>-20,276.1</td>
<td>1,216.1</td>
<td>-1,614.1</td>
<td>-19,877.1</td>
<td>-4,481.7</td>
<td>1,141.2</td>
<td>-313.4</td>
</tr>
</tbody>
</table>
Table 4. Stormwater Quality Design Volume (SQDV) Calculations

<table>
<thead>
<tr>
<th></th>
<th>DMA 12 Overall</th>
<th>DMA 12.1</th>
<th>DMA 12.2</th>
<th>DMA 12.3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tributary Area</td>
<td>160,339.0</td>
<td>96,623.0</td>
<td>36,677.0</td>
<td>27,039.0</td>
</tr>
<tr>
<td>Tributary Impervious Area Credit</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Effective Tributary Area</td>
<td>160,339.0</td>
<td>96,623.0</td>
<td>36,677.0</td>
<td>27,039.0</td>
</tr>
<tr>
<td>Design Drawdown (Fact Sheet T-0 from March 2009 SWQ CCP)</td>
<td>12.0</td>
<td>12.0</td>
<td>12.0</td>
<td>12.0</td>
</tr>
<tr>
<td>Weighted Runoff Coefficient</td>
<td>0.6891</td>
<td>0.6960</td>
<td>0.7080</td>
<td>0.6391</td>
</tr>
<tr>
<td>Unit Basin Storage Volume (Figure 6-1 from March 2009 SWQ CCP)</td>
<td>0.2334</td>
<td>0.2358</td>
<td>0.2399</td>
<td>0.2163</td>
</tr>
<tr>
<td>SQDV</td>
<td>3,118.8</td>
<td>1,898.3</td>
<td>733.2</td>
<td>487.3</td>
</tr>
<tr>
<td>Planting Zone Area Provided</td>
<td>5,187.0</td>
<td>803.0</td>
<td>798.0</td>
<td>3,586.0</td>
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<tr>
<td>Planting Zone Area Required</td>
<td>3,118.8</td>
<td>1,898.3</td>
<td>733.2</td>
<td>487.3</td>
</tr>
<tr>
<td>Difference (PZ&lt;sub&gt;req&lt;/sub&gt; - PZ)</td>
<td>-2,068.2</td>
<td>1,095.3</td>
<td>-64.8</td>
<td>-3,098.7</td>
</tr>
</tbody>
</table>

Since each bioretention area's design planting zone area is greater than the required planting zone area, the bioretention areas are sized sufficiently to treat the SQDV. In DMA's 10, 11, and 12, since the planting zone area of the total interconnected bioretention area is greater than the sum of the planting zone required for each interconnected sub-basin, the interconnected bioretention areas are sufficiently sized for the overall DMA's which they were sized for.

In general, due to the large difference between the pre-construction and post-construction runoff coefficients, the volume reduction requirement governed basin sizing rather than SQDV.
V. MAINTENANCE/INSPECTION RESPONSIBILITY FOR BMPs

The following table indicates BMP inspection and maintenance responsibility. These tables identify the party responsible for inspection and maintenance, a description of the inspection and/or maintenance activity, and a frequency for the inspection and/or maintenance activity. Records of maintenance and inspections shall be kept for a period of five (5) years and shall be made available for review by government agencies.

Responsible party details as indicated in the table are as follows:

IDIG Stockton will serve as the responsible party for installation, inspection, implementation, and maintenance of the structural and non-structural BMPs outlined in this SWQCCP. The funding for the maintenance of the BMPs will be part of the facilities operating budget. Maintenance will be conducted in accordance with Table 6 - BMP Inspection and Maintenance Responsibility.

The City will record the Maintenance Agreement as part of executing the agreement. The agreement, along with the Operation and Maintenance Plan and Deed Copy, will be submitted as a separate package to be signed and executed between the City and Property Owner for this project.

Property Owner

Contact: Brian Gagne, Senior Vice President and Regional Director
Company: IDIG Stockton LLC
Address: 601 South Figueroa Street, Suite 2200
Phone Number: (213) 330-8066

<table>
<thead>
<tr>
<th>BMP Designation</th>
<th>Responsible Party</th>
<th>Description of Inspection &amp; Maintenance Activity</th>
<th>Frequency of Maintenance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drain Inlets</td>
<td>Owner</td>
<td>Inspect and clean all debris and sediment.</td>
<td>Bi-Annual</td>
</tr>
<tr>
<td>Bioretention (L-1)</td>
<td>Owner</td>
<td>Remove void areas, treat diseased trees and shrubs.</td>
<td>As required</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Inspect soil, repair eroded areas, and remove litter and debris.</td>
<td>Monthly</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Remove and replace dead and diseased vegetation.</td>
<td>Bi-Annual</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Add additional mulch and replace tree stakes and wire.</td>
<td>Annual</td>
</tr>
</tbody>
</table>
VI. EXHIBITS

Exhibit A – Vicinity Map and Stormwater Site Plans
Exhibit B – Site Improvement Plans
Exhibit C – Table 2-2 from SWQCC Plan
Exhibit D – Volume Reduction Calculator Printouts
Exhibit E – Bioretention Area SQDV Calculation Printouts
Exhibit F – S-1 Storm Drain Message and Signage
VICINITY MAP AND STORMWATER SITE PLANS
Project 12
Stockton California
Zephyr Street
Stockton, California 95206

VICINITY MAP

SIEGFRIED
3244 Brookside Road, Suite 100 Stockton, California 95219
209-943-2021 www.siegfriedeng.com Fax: 209-942-0214

DATE 07/26/2017
DESIGN GW
DRAWN GW
JOB NO. 15170

SCALE: NOT TO SCALE

OF: 1
EXHIBIT B

SITE IMPROVEMENT PLANS
Table 2-2 from SWQCC Plan
<table>
<thead>
<tr>
<th>Project Category</th>
<th>Site Design Controls</th>
<th>Source Controls</th>
<th>Volume Reduction Measures</th>
<th>Treatment Controls</th>
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<td></td>
<td>Conserve Nature Areas (G-1)</td>
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<td>LID Treatment Controls</td>
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<tr>
<td></td>
<td>Protect Slopes and Channels (G-2)</td>
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<td></td>
<td>Bioretention (L-1)</td>
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<td></td>
<td>Minimize Soil Compaction (G-3)</td>
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<td>Stormwater Planter (L-2)</td>
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<td></td>
<td>Minimize Impervious Area (G-4)</td>
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<td>Tree-wall Filter (L-3)</td>
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<tr>
<td></td>
<td>Storm Drain Message and Signage (S-1)</td>
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<td></td>
<td>Infiltration Basin (L-4)</td>
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<td></td>
<td>Outdoor Storage Area Design (S-2)</td>
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<td>Infiltration Trench/Dry Well (L-5)</td>
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<tr>
<td></td>
<td>Trash Storage Area Design (S-3)</td>
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<td>Porous Pavement Filter (L-6)</td>
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<td></td>
<td>Loading/Unloading Dock Area Design (S-4)</td>
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<td>Vegetated (Dry) Swale (L-7)</td>
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<td></td>
<td>Repair Maintenance/Accessory Washing Area Design (S-5)</td>
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<td>Grassy Swale (L-8)</td>
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<td></td>
<td>Fuelling Area Design (S-7)</td>
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<td>Grassy Filter Strip (L-9)</td>
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<td>Significant Redevelopment</td>
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<td>Home Subdivisions (≥ 10 units)</td>
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<td>Commercial Developments (≥ 5,000 SF)</td>
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<td>R</td>
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<tr>
<td>Automotive Repair Shops</td>
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<td>R</td>
<td>R</td>
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<tr>
<td>Restaurants</td>
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<td>R</td>
<td>R</td>
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<tr>
<td>Parking Lots (≥ 5,000 SF or 25 spaces)</td>
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<td>R</td>
<td>R</td>
<td></td>
</tr>
<tr>
<td>Streets and Roads (≥ 1 ac. paved surface)</td>
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<td>R</td>
<td>R</td>
<td></td>
</tr>
<tr>
<td>Retail Gasoline Outlets</td>
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<td>R</td>
<td>R</td>
<td></td>
</tr>
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</table>

R: required
R*: required if outdoor activity is included in the project
S: select one or more applicable controls
City of Stockton/County of San Joaquin
2009 Stormwater Quality Control Criteria Plan
Volume Reduction Calculator (Updated July 16, 2010)

- Make sure that Macros are enabled while using the Calculator.
- This calculator is solely for the purposes of determining compliance with the Volume Reduction Requirement. This is not a substitute and should not be used to determine compliance with SQDV/SQDF or any other new development/redevelopment requirements.
- Volume Reduction is only given to Volume Reduction Measures and LID Treatment Controls. Volume Reduction is not given to Conventional Treatment Controls including wet ponds and proprietary controls.
- The Calculator is intended as a companion to the SWQCCP and not to replace or be independent of it. Therefore all of the details contained within the SWQCCP are not contained within the calculator.
- Instructions: Fill in the yellow boxes with the requested information. Numbers in the remainder of the boxes will be automatically filled out for you.

- Each of the following worksheets will assist you in calculating the volume reduction achieved for Volume Reduction Measures and LID Treatment Controls. A worksheet must be filled out for each Volume Reduction Measure and LID Treatment Control (e.g., if there are 3 Rain Gardens proposed on the site, 3 Rain Garden worksheets must be filled out).

- Once the information is filled out for the proposed Volume Reduction Measures and LID Treatment Controls, click in the red box below. This will run a macro that will sum up the volume reduction achieved by Volume Reduction Measures and LID Treatment Controls. NOTE to Mac Users: The Mac version of Excel may not be capable of running macros so you may have to manually sum up the volume reduction gained from Volume Reduction Measures and LID Treatment Controls.

<table>
<thead>
<tr>
<th>Project:</th>
<th>Amazon 615K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detail:</td>
<td></td>
</tr>
<tr>
<td>Design by:</td>
<td>Robert M. Ebenal</td>
</tr>
<tr>
<td>Date:</td>
<td>27-Jul-17</td>
</tr>
</tbody>
</table>

### 1. PRE-PROJECT CHARACTERISTICS

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Total Project Area, ft² (Aₚｒｅ`)</td>
<td>3102145.0</td>
<td>Total Project Area must be entered first before any other calculations can be made.</td>
</tr>
<tr>
<td>b. Weighted Runoff Coefficient (Cₚｒｅ`)</td>
<td>0.25</td>
<td>Go to &quot;Cr Calcs&quot; to calculate (orange tab)</td>
</tr>
<tr>
<td>c. Volume Reduction Requirement storm depth, inches (d)</td>
<td>0.51</td>
<td>Avg. 65th percentile, 24-hour storm depth for Stockton area</td>
</tr>
<tr>
<td>d. Significant Redevelopment Volume Reduction Credit, inches (RedeCredit)</td>
<td>0.00</td>
<td>- Credits are additive such that a maximum credit of 0.25 inches is possible for a project that meets all five criteria. - New development projects are not eligible for the criteria.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- An additive credit of 0.05 inches is available for five types of redevelopment projects: - Significant Redevelopment (as defined in Section 2.1 of 2008 SWQCCP) - Brownfield redevelopment - High density (&gt;7 units/acre) - Vertical Density (FAR of 2 or &gt;18 units/acre) - Mixed use and Transit Oriented Development (within 1/2 mile of public transit)</td>
</tr>
<tr>
<td>e. Revised Volume Reduction Requirement storm depth, inches (dₕₑᵥₑₑₑ)</td>
<td>0.51</td>
<td></td>
</tr>
<tr>
<td>f. Pre-project Runoff Volume, ft³ (Volₚｒₑ`)</td>
<td>33131.6</td>
<td></td>
</tr>
<tr>
<td>Volₚｒₑ<code> = (dₕₑᵥₑₑₑ / 12) x Aₚｒₑ</code> x Cₚｒₑ`</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2. POST-PROJECT CHARACTERISTICS

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Total Project Area, ft² (Aₚₒₛᵗ)</td>
<td>3102145.0</td>
<td></td>
</tr>
<tr>
<td>b. Weighted Runoff Coefficient (Cₚₒₛᵗ)</td>
<td>0.80</td>
<td>Go to &quot;Cr Calcs&quot; to calculate (orange tab)</td>
</tr>
<tr>
<td>c. Volume Reduction Requirement storm depth, inches (d)</td>
<td>0.51</td>
<td></td>
</tr>
</tbody>
</table>
d. Significant Redevelopment Volume Reduction Credit, inches (Redevcredit): 
   An additive credit of 0.05 inches is available for five types of redevelopment:
   - Significant Redevelopment (as defined in Section 2.1 of 2009 SWQCCP)
   - Brownfield redevelopment
   - High density (>7 units/acre)
   - Vertical Density (FAR of 2 or >18 units/acre)
   - Mixed use and Transit Oriented Development (within 1/2 mile of public transit)
   - Credits are additive such that a maximum credit of 0.25 inches is possible for a project that meets all five criteria.
   - New development projects are not eligible for the criteria.

| a. Revised Volume Reduction Requirement storm depth, inches (d_{revised}) | 0.51 |
| f. Post-project Runoff Volume, ft$^3$ (Vol$_{POST}$) | 105806.5 |

**VOLUME RUNOFF REDUCTION REQUIREMENT, ft$^3$ (VRR)**

$VRR = Vol_{POST} - Vol_{PRE}$

3. VOLUME REDUCTION MEASURES

<table>
<thead>
<tr>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Remaining Volume Reduction from Volume Reduction Measures, ft$^3$ ($\Sigma Vol_{VRM}$)</td>
</tr>
<tr>
<td>Click in red box below to tally the volume reduction achieved by Volume Reduction Measures and LID Treatment Controls.</td>
</tr>
<tr>
<td>b. Remaining Volume Reduction required from LID Treatment Controls, ft$^3$ ($VRR_{TREAT}$)</td>
</tr>
<tr>
<td>$VRR_{TREAT} = VRR - \Sigma Vol_{VRM}$</td>
</tr>
</tbody>
</table>

4. LID TREATMENT CONTROLS

<table>
<thead>
<tr>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Total Volume Reduction from LID Treatment Controls, ft$^3$ ($\Sigma Vol_{TREAT}$)</td>
</tr>
<tr>
<td>CLICK IN BOX TO LEFT to tally the volume reduction achieved by Volume Reduction Measures and LID Treatment Controls.</td>
</tr>
<tr>
<td>b. Total Volume Reduction Provided, ft$^3$ ($VRR_{PROVIDED}$)</td>
</tr>
<tr>
<td>$VRR_{PROVIDED} = \Sigma Vol_{VRM} + \Sigma Vol_{TREAT}$</td>
</tr>
</tbody>
</table>

**VOLUME REDUCTION REMAINING, ft$^3$ (VRR$_{REMAIN}$)**

$VRR_{REMAIN} = VRR - VRR_{PROVIDED}$

-2104.2
**RUNOFF COEFFICIENT CALCULATIONS**

- Total Site Area must be entered in "Summary Sheet" before you can proceed

### PRE-PROJECT WEIGHTED RUNOFF COEFFICIENT

<table>
<thead>
<tr>
<th>Site Element</th>
<th>Element Runoff Coefficient (C&lt;sub&gt;e&lt;/sub&gt;)</th>
<th>Element Area, ft&lt;sup&gt;2&lt;/sup&gt; (A&lt;sub&gt;element&lt;/sub&gt;)</th>
<th>Fraction of Total Area (A&lt;sub&gt;element&lt;/sub&gt;/A&lt;sub&gt;site&lt;/sub&gt;)</th>
<th>Weighted Runoff Coefficient (C&lt;sub&gt;pre&lt;/sub&gt;)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Managed Turf: Type C/D Soil</td>
<td>0.25</td>
<td>3096387.0</td>
<td>1.00</td>
<td>0.25</td>
<td>Select a site element from the drop down list; a corresponding run-off coefficient will appear. If you wish to enter your own, please use Other 1 through 3 below.</td>
</tr>
<tr>
<td>Asphalt/concrete pavement</td>
<td>0.95</td>
<td>5758.0</td>
<td>0.00</td>
<td>0.95</td>
<td></td>
</tr>
<tr>
<td>Permeable Pavement</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>Other1:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Runoff coefficient for permeable pavers will vary. Please consult the manufacturer for appropriate design values.</td>
</tr>
<tr>
<td>Other2:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Use Other 1, Other 2, and Other 3 if a particular site element is not included in the drop down list. To do so manually enter the name of the new site element into the row and corresponding run-off coefficient.</td>
</tr>
<tr>
<td>Other 3:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Make sure the Total for the Element Area column adds up to the Total Area of the Site (A&lt;sub&gt;site&lt;/sub&gt;).</td>
</tr>
<tr>
<td><strong>TOTAL SITE</strong></td>
<td>3102145.0</td>
<td>0.25</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Adapted from the Center for Watershed Protection, Ellicott City, MD

### POST-PROJECT WEIGHTED RUNOFF COEFFICIENT

<table>
<thead>
<tr>
<th>Site Element</th>
<th>Element Runoff Coefficient (C&lt;sub&gt;e&lt;/sub&gt;)</th>
<th>Element Area, ft&lt;sup&gt;2&lt;/sup&gt; (A&lt;sub&gt;element&lt;/sub&gt;)</th>
<th>Fraction of Total Area (A&lt;sub&gt;element&lt;/sub&gt;/A&lt;sub&gt;site&lt;/sub&gt;)</th>
<th>Weighted Runoff Coefficient (C&lt;sub&gt;post&lt;/sub&gt;)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Managed Turf: Type C/D Soil</td>
<td>0.25</td>
<td>683246.0</td>
<td>0.21</td>
<td>0.05</td>
<td>Select a site element from the drop down list; a corresponding run-off coefficient will appear.</td>
</tr>
<tr>
<td>Asphalt/concrete pavement</td>
<td>0.95</td>
<td>167447.0</td>
<td>0.54</td>
<td>0.92</td>
<td></td>
</tr>
<tr>
<td>Roofs</td>
<td>0.95</td>
<td>615440.0</td>
<td>0.20</td>
<td>0.19</td>
<td></td>
</tr>
<tr>
<td>Permeable Pavement</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>Other1:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Runoff coefficient for permeable pavers will vary. Please consult the manufacturer for appropriate design values.</td>
</tr>
<tr>
<td>Other2:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Use Other 1, Other 2, and Other 3 if a particular site element is not included in the drop down list. To do so manually enter the name of the new site element into the row and corresponding run-off coefficient.</td>
</tr>
<tr>
<td>Other 3:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Make sure the Total for the Element Area column adds up to the Total Area of the Site (A&lt;sub&gt;site&lt;/sub&gt;).</td>
</tr>
<tr>
<td><strong>TOTAL SITE</strong></td>
<td>3102145.0</td>
<td>0.80</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Adapted from the Center for Watershed Protection, Ellicott City, MD
**LID TREATMENT CONTROL:**
**BIORETENTION (L-1)**

**UNIQUE ID: DMA 1**

- A separate worksheet must be completed for each bioretention within the proposed development project (e.g., 3 bioretention areas proposed = 3 separate bioretention worksheets; one for each bioretention). Copy this spreadsheet as many times as necessary to accommodate all the bioretention areas in the project. To copy this spreadsheet, simply right click on the tab, select “Move or Copy”, then Select “Bioretention (L-1)”, check the “Create a Copy” box, and hit OK.

### BIORETENTION WITH SUBSURFACE DRAIN PIPE (Required for C and D soils)

<table>
<thead>
<tr>
<th>Design Parameter</th>
<th>Criteria</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Ponding Zone</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of ponding zone, ft (D_{pz})</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>b. Area of ponding zone, (ft^2 (A_{pz}))</td>
<td>6375.0</td>
<td></td>
</tr>
<tr>
<td><strong>2. Planting Media Layer</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of planting media layer, ft (D_{pm})</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>b. Area of planting media layer, (ft^2 (A_{pm}))</td>
<td>6375.0</td>
<td></td>
</tr>
<tr>
<td><strong>3. Gravel Zone</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of gravel below pipe, ft (D_{gz})</td>
<td>0.50</td>
<td>Minimum depth below pipe = 6 in</td>
</tr>
<tr>
<td>b. Area of gravel below pipe, (ft^2 (A_{gz}))</td>
<td>6375.0</td>
<td>Minimum width of gravel = 3 ft</td>
</tr>
<tr>
<td><strong>4. Volume Reduction, (ft^3 (Vol_{reduction}))</strong></td>
<td>3506.3</td>
<td>- Volume reduction achieved by Bioretention with subsurface drain pipe</td>
</tr>
<tr>
<td>(= (D_{pz} \times A_{pz} \times 0.25) + (D_{pm} \times A_{pm} \times 0.1) + (D_{gz} \times A_{gz} \times 0.3))</td>
<td></td>
<td>- Infiltration allowance for water in ponding zone water = 0.25</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Available Water Holding Capacity of planting media layer = 0.1 x volume</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Porosity of gravel zone = 0.30</td>
</tr>
</tbody>
</table>

### BIORETENTION WITHOUT SUBSURFACE DRAIN PIPE (Recommended for A and B soils)

<table>
<thead>
<tr>
<th>Design Parameter</th>
<th>Criteria</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Ponding Zone</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of ponding zone, ft (D_{pz})</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Area of ponding zone, (ft^2 (A_{pz}))</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>2. Planting Media Layer</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of planting media layer, ft (D_{pm})</td>
<td></td>
<td>Minimum depth = 18 Inches</td>
</tr>
<tr>
<td>b. Area of planting media layer, (ft^2 (A_{pm}))</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>3. Volume Reduction, (ft^3 (Vol_{reduction}))</strong></td>
<td>0.0</td>
<td>- Volume reduction achieved by Bioretention with subsurface drain pipe</td>
</tr>
<tr>
<td>(= (D_{pz} \times A_{pz} \times 1) + (D_{pm} \times A_{pm} \times 0.10))</td>
<td></td>
<td>- Infiltration allowance for water in ponding zone water = 1.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Available Water Holding Capacity of planting media layer = 0.1 x volume</td>
</tr>
</tbody>
</table>
LID TREATMENT CONTROL:
BIORETENTION (L-1)

**UNIQUE ID: DMA 2**

- A separate worksheet must be completed for each bioretention within the proposed development project (e.g., 3 bioretention areas proposed = 3 separate bioretention worksheets; one for each bioretention). Copy this spreadsheet as many times as necessary to accommodate all the bioretention areas in the project. To copy this spreadsheet, simply right click on the tab, select "Move or Copy", then Select "Bioretention (L-1)". check the "Create a Copy" box, and hit OK.

### BIORETENTION WITH SUBSURFACE DRAIN PIPE (Required for C and D soils)

<table>
<thead>
<tr>
<th>Design Parameter</th>
<th>Criteria</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ponding Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of ponding zone, ft ((D_{PZ}))</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>b. Area of ponding zone, ft² ((A_{PZ}))</td>
<td>4179.0</td>
<td></td>
</tr>
<tr>
<td>2. Planting Media Layer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of planting media layer, ft ((D_{PM}))</td>
<td>1.5</td>
<td>Minimum depth below pipe = 6 in</td>
</tr>
<tr>
<td>b. Area of planting media layer, ft² ((A_{PM}))</td>
<td>4179.0</td>
<td>Minimum width of gravel = 3 ft</td>
</tr>
<tr>
<td>3. Gravel Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of gravel below pipe, ft ((D_{GZ}))</td>
<td>0.50</td>
<td></td>
</tr>
<tr>
<td>b. Area of gravel below pipe, ft² ((A_{GZ}))</td>
<td>4179.0</td>
<td>Minimum depth below pipe = 6 in</td>
</tr>
<tr>
<td>4. Volume Reduction, ft³ ((Vol_{reduction}))</td>
<td>2298.5</td>
<td>- Volume reduction achieved by Bioretention with subsurface drain pipe</td>
</tr>
<tr>
<td>[ (D_{PZ} \times A_{PZ} \times 0.25) + (D_{PM} \times A_{PM} \times 0.1) + (D_{GZ} \times A_{GZ} \times 0.3) ]</td>
<td></td>
<td>- Infiltration allowance for water in ponding zone water = 0.25</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Available Water Holding Capacity of planting media layer = 0.1 x volume</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Porosity of gravel zone = 0.30</td>
</tr>
</tbody>
</table>

### BIORETENTION WITHOUT SUBSURFACE DRAIN PIPE (Recommended for A and B soils)

<table>
<thead>
<tr>
<th>Design Parameter</th>
<th>Criteria</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ponding Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of ponding zone, ft ((D_{PZ}))</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Area of ponding zone, ft² ((A_{PZ}))</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Planting Media Layer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of planting media layer, ft ((D_{PM}))</td>
<td></td>
<td>Minimum depth = 18 inches</td>
</tr>
<tr>
<td>b. Area of planting media layer, ft² ((A_{PM}))</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Volume Reduction, ft³ ((Vol_{reduction}))</td>
<td>0.0</td>
<td>- Volume reduction achieved by Bioretention with subsurface drain pipe</td>
</tr>
<tr>
<td>[ (D_{PZ} \times A_{PZ} \times 1) + (D_{PM} \times A_{PM} \times 0.10) ]</td>
<td></td>
<td>- Infiltration allowance for water in ponding zone water = 1.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Available Water Holding Capacity of planting media layer = 0.1 x volume</td>
</tr>
</tbody>
</table>
**LID TREATMENT CONTROL:**
**BIORETENTION (L-1)**

**UNIQUE ID: DMA 3**

- A separate worksheet must be completed for each bioretention within the proposed development project (e.g., 3 bioretention areas proposed = 3 separate bioretention worksheets; one for each bioretention). Copy this spreadsheet as many times as necessary to accommodate all the bioretention areas in the project. To copy this spreadsheet, simply right click on the tab, select "Move or Copy", then Select "Bioretention (L-1)" check the "Create a Copy" box, and hit OK.

### BIORETENTION WITH SUBSURFACE DRAIN PIPE (Required for C and D soils)

<table>
<thead>
<tr>
<th>Design Parameter</th>
<th>Criteria</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ponding Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of ponding zone, ft ($D_{pz}$)</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>b. Area of ponding zone, ft² ($A_{pz}$)</td>
<td>4225.0</td>
<td></td>
</tr>
<tr>
<td>2. Planting Media Layer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of planting media layer, ft ($D_{pm}$)</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>b. Area of planting media layer, ft² ($A_{pm}$)</td>
<td>4225.0</td>
<td></td>
</tr>
<tr>
<td>3. Gravel Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of gravel below pipe, ft ($D_{gz}$)</td>
<td>0.50</td>
<td>Minimum depth below pipe = 6 in</td>
</tr>
<tr>
<td>b. Area of gravel below pipe, ft² ($A_{gz}$)</td>
<td>4225.0</td>
<td>Minimum width of gravel = 3 ft</td>
</tr>
<tr>
<td>4. Volume Reduction, ft³ ($Vol_{reduction}$)</td>
<td>2323.8</td>
<td>- Volume reduction achieved by Bioretention with subsurface drain pipe</td>
</tr>
</tbody>
</table>
  = ($D_{pz} \times A_{pz} \times 0.25$) + ($D_{pm} \times A_{pm} \times 0.1$) + ($D_{gz} \times A_{gz} \times 0.3$) |
- Infiltration allowances for water in ponding zone water = 0.25
- Available Water Holding Capacity of planting media layer = 0.1 x volume
- Porosity of gravel zone = 0.30

### BIORETENTION WITHOUT SUBSURFACE DRAIN PIPE (Recommended for A and B soils)

<table>
<thead>
<tr>
<th>Design Parameter</th>
<th>Criteria</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ponding Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of ponding zone, ft ($D_{pz}$)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Area of ponding zone, ft² ($A_{pz}$)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Planting Media Layer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of planting media layer, ft ($D_{pm}$)</td>
<td>Available Water Holding Capacity of planting media layer = 0.1 x volume</td>
<td></td>
</tr>
<tr>
<td>b. Area of planting media layer, ft² ($A_{pm}$)</td>
<td>Minimum depth = 18 inches</td>
<td></td>
</tr>
<tr>
<td>3. Volume Reduction, ft³ ($Vol_{reduction}$)</td>
<td>0.0</td>
<td>- Volume reduction achieved by Bioretention with subsurface drain pipes</td>
</tr>
</tbody>
</table>
  = ($D_{pz} \times A_{pz} \times 1$) + ($D_{pm} \times A_{pm} \times 0.10$) |
- Infiltration allowances for water in ponding zone water = 1.0
- Available Water Holding Capacity of planting media layer = 0.1 x volume |
LID TREATMENT CONTROL: BIORETENTION (L-1)

**UNIQUE ID: DMA 4**

- A separate worksheet must be completed for each bioretention within the proposed development project (e.g., 3 bioretention areas proposed = 3 separate bioretention worksheets; one for each bioretention). Copy this spreadsheet as many times as necessary to accommodate all the bioretention areas in the project. To copy this spreadsheet, simply right-click on the tab, select "Move or Copy", then Select "Bioretention (L-1)", check the "Create a Copy" box, and hit OK.

### BIORETENTION WITH SUBSURFACE DRAIN PIPE (Required for C and D soils)

<table>
<thead>
<tr>
<th>Design Parameter</th>
<th>Criteria</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ponding Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of ponding zone, ft ($D_{PZ}$)</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>b. Area of ponding zone, ft² ($A_{PZ}$)</td>
<td>8875.0</td>
<td></td>
</tr>
<tr>
<td>2. Planting Media Layer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of planting media layer, ft ($D_{PM}$)</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>b. Area of planting media layer, ft² ($A_{PM}$)</td>
<td>8875.0</td>
<td></td>
</tr>
<tr>
<td>3. Gravel Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of gravel below pipe, ft ($D_{GZ}$)</td>
<td>0.50</td>
<td>Minimum depth below pipe = 6 in</td>
</tr>
<tr>
<td>b. Area of gravel below pipe, ft² ($A_{GZ}$)</td>
<td>8875.0</td>
<td>Minimum width of gravel = 3 ft.</td>
</tr>
<tr>
<td>4. Volume Reduction, ft³ ($V_{reduction} = (D_{PZ} \times A_{PZ} \times 0.25) + (D_{PM} \times A_{PM} \times 0.1) + (D_{GZ} \times A_{GZ} \times 0.3)$)</td>
<td>4881.3</td>
<td>- Volume reduction achieved by Bioretention with subsurface drain pipe</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Infiltration allowance for water in ponding zone water = 0.25</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Available Water Holding Capacity of planting media layer = 0.1 x volume</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Porosity of gravel zone = 0.30</td>
</tr>
</tbody>
</table>

### BIORETENTION WITHOUT SUBSURFACE DRAIN PIPE (Recommended for A and B soils)

<table>
<thead>
<tr>
<th>Design Parameter</th>
<th>Criteria</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ponding Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of ponding zone, ft ($D_{PZ}$)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Area of ponding zone, ft² ($A_{PZ}$)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Planting Media Layer</td>
<td>Available Water Holding Capacity of planting media layer = 0.1 x volume</td>
<td>Minimum depth = 18 inches</td>
</tr>
<tr>
<td>a. Depth of planting media layer, ft ($D_{PM}$)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Area of planting media layer, ft² ($A_{PM}$)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Volume Reduction, ft³ ($V_{reduction} = (D_{PZ} \times A_{PZ} \times 1) + (D_{PM} \times A_{PM} \times 0.10)$)</td>
<td>0.0</td>
<td>- Volume reduction achieved by Bioretention with subsurface drain pipe</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Infiltration allowance for water in ponding zone water = 1.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Available Water Holding Capacity of planting media layer = 0.1 x volume</td>
</tr>
</tbody>
</table>

- Volume Reduction achieved by Bioretention with subsurface drain pipe
**LID TREATMENT CONTROL: BIORETENTION (L-1)**

**UNIQUE ID: DMA 5**

- A separate worksheet must be completed for each bioretention within the proposed development project (e.g., 3 bioretention areas proposed = 3 separate bioretention worksheets; one for each bioretention). Copy this spreadsheet as many times as necessary to accommodate all the bioretention areas in the project. To copy this spreadsheet, simply right-click on the tab, select "Move or Copy", then Select "Bioretention (L-1)", check the "Create a Copy" box, and hit OK.

**BIORETENTION WITH SUBSURFACE DRAIN PIPE (Required for C and D soils)**

<table>
<thead>
<tr>
<th>Design Parameter</th>
<th>Criteria</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ponding Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of ponding zone, ft (D_PZ)</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>b. Area of ponding zone, ft² (A_PZ)</td>
<td>13377.0</td>
<td></td>
</tr>
<tr>
<td>2. Planting Media Layer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of planting media layer, ft (D_PM)</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>b. Area of planting media layer, ft² (A_PM)</td>
<td>13377.0</td>
<td></td>
</tr>
<tr>
<td>3. Gravel Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of gravel below pipe, ft (D_GZ)</td>
<td>0.50</td>
<td>Minimum depth below pipe = 6 in</td>
</tr>
<tr>
<td>b. Area of gravel below pipe, ft² (A_GZ)</td>
<td>13377.0</td>
<td>Minimum width of gravel = 3 ft</td>
</tr>
<tr>
<td>4. Volume Reduction, ft³ (Vol_reduction)</td>
<td>7357.4</td>
<td>- Volume reduction achieved by Bioretention with subsurface drain pipe</td>
</tr>
<tr>
<td>= (D_GZ x A_GZ x 0.25) + (D_PM x A_PM x 0.1) + (D_PZ x A_PZ x 0.3)</td>
<td></td>
<td>- Infiltration allowance for water in ponding zone water = 0.25</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Available Water Holding Capacity of planting media layer = 0.1 x volume</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Porosity of gravel zone = 0.30</td>
</tr>
</tbody>
</table>

**BIORETENTION WITHOUT SUBSURFACE DRAIN PIPE (Recommended for A and B soils)**

<table>
<thead>
<tr>
<th>Design Parameter</th>
<th>Criteria</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ponding Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of ponding zone, ft (D_PZ)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Area of ponding zone, ft² (A_PZ)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Planting Media Layer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of planting media layer, ft (D_PM)</td>
<td>Available Water Holding Capacity of planting media layer = 0.1 x volume</td>
<td></td>
</tr>
<tr>
<td>b. Area of planting media layer, ft² (A_PM)</td>
<td>Minimum depth = 18 inches</td>
<td></td>
</tr>
<tr>
<td>3. Volume Reduction, ft³ (Vol_reduction)</td>
<td>0.0</td>
<td>- Volume reduction achieved by Bioretention with subsurface drain pipe</td>
</tr>
<tr>
<td>= (D_PZ x A_PZ x 1) + (D_PM x A_PM x 0.10)</td>
<td></td>
<td>- Infiltration allowance for water in ponding zone water = 1.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Available Water Holding Capacity of planting media layer = 0.1 x volume</td>
</tr>
</tbody>
</table>
LID TREATMENT CONTROL:
BIORETENTION (L-1)
UNIQUE ID: DMA 6

* A separate worksheet must be completed for each bioretention within the proposed development project (e.g., 3 bioretention areas proposed = 3 separate bioretention worksheets; one for each bioretention). Copy this spreadsheet as many times as necessary to accommodate all the bioretention areas in the project. To copy this spreadsheet, simply right click on the tab, select "Move or Copy", then Select "Bioretention (L-1)”, check the “Create a Copy” box, and hit OK.

### BIORETENTION WITH SUBSURFACE DRAIN PIPE (Required for C and D soils)

<table>
<thead>
<tr>
<th>Design Parameter</th>
<th>Criteria</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ponding Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of ponding zone, ft (D_PZ)</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>b. Area of ponding zone, ft^2 (A_PZ)</td>
<td>1830.0</td>
<td></td>
</tr>
<tr>
<td>2. Planting Media Layer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of planting media layer, ft (D_PM)</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>b. Area of planting media layer, ft^2 (A_PM)</td>
<td>1830.0</td>
<td></td>
</tr>
<tr>
<td>3. Gravel Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of gravel below pipe, ft (D_GZ)</td>
<td>0.50</td>
<td>Minimum depth below pipe = 6 in</td>
</tr>
<tr>
<td>b. Area of gravel below pipe, ft^2 (A_GZ)</td>
<td>1830.0</td>
<td>Minimum width of gravel = 3 ft</td>
</tr>
<tr>
<td>4. Volume Reduction, ft^3 (Vol_reduction)</td>
<td>1006.5</td>
<td>- Volume reduction achieved by Bioretention with subsurface drain pipe</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Infiltration allowance for water in ponding zone water = 0.25</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Available Water Holding Capacity of planting media layer = 0.1 x volume</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Porosity of gravel zone = 0.30</td>
</tr>
</tbody>
</table>

### BIORETENTION WITHOUT SUBSURFACE DRAIN PIPE (Recommended for A and B soils)

<table>
<thead>
<tr>
<th>Design Parameter</th>
<th>Criteria</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ponding Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of ponding zone, ft (D_PZ)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Area of ponding zone, ft^2 (A_PZ)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Planting Media Layer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of planting media layer, ft (D_PM)</td>
<td></td>
<td>Minimum depth = 16 inches</td>
</tr>
<tr>
<td>b. Area of planting media layer, ft^2 (A_PM)</td>
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<td></td>
</tr>
<tr>
<td>3. Volume Reduction, ft^3 (Vol_reduction)</td>
<td>0.0</td>
<td>- Volume reduction achieved by Bioretention with subsurface drain pipe</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Infiltration allowance for water in ponding zone water = 1.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Available Water Holding Capacity of planting media layer = 0.1 x volume</td>
</tr>
</tbody>
</table>
LID TREATMENT CONTROL:
BIORETENTION (L-1)

**UNIQUE ID: DMA 7**

- A separate worksheet must be completed for each bioretention within the proposed development project (e.g., 3 bioretention areas proposed = 3 separate bioretention worksheets; one for each bioretention). Copy this spreadsheet as many times as necessary to accommodate all the bioretention areas in the project. To copy this spreadsheet, simply right click on the tab, select "Move or Copy", then Select "Bioretention (L-1)". Click the "Create a Copy" box, and hit OK.

### BIORETENTION WITH SUBSURFACE DRAIN PIPE (Required for C and D soils)

<table>
<thead>
<tr>
<th>Design Parameter</th>
<th>Criteria</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ponding Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of ponding zone, ft ($D_{p2}$)</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>b. Area of ponding zone, ft² ($A_{p2}$)</td>
<td>10449.0</td>
<td></td>
</tr>
<tr>
<td>2. Planting Media Layer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of planting media layer, ft ($D_{pm}$)</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>b. Area of planting media layer, ft² ($A_{pm}$)</td>
<td>10449.0</td>
<td></td>
</tr>
<tr>
<td>3. Gravel Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of gravel below pipe, ft ($D_{g2}$)</td>
<td>0.50</td>
<td>Minimum depth below pipe = 6 in</td>
</tr>
<tr>
<td>b. Area of gravel below pipe, ft² ($A_{g2}$)</td>
<td>10449.0</td>
<td>Minimum width of gravel = 3 ft</td>
</tr>
<tr>
<td>4. Volume Reduction, ft³ ($V_{reduction}$)</td>
<td>[Calculation] (= (D_{p2} \times A_{p2} \times 0.25) + (D_{pm} \times A_{pm} \times 0.1) + (D_{g2} \times A_{g2} \times 0.3))</td>
<td>5747.0</td>
</tr>
</tbody>
</table>

### BIORETENTION WITHOUT SUBSURFACE DRAIN PIPE (Recommended for A and B soils)

<table>
<thead>
<tr>
<th>Design Parameter</th>
<th>Criteria</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ponding Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of ponding zone, ft ($D_{p2}$)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Area of ponding zone, ft² ($A_{p2}$)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Planting Media Layer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of planting media layer, ft ($D_{pm}$)</td>
<td>Available Water Holding Capacity of planting media layer = 0.1 x volume</td>
<td>Minimum depth = 18 inches</td>
</tr>
<tr>
<td>b. Area of planting media layer, ft² ($A_{pm}$)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Volume Reduction, ft³ ($V_{reduction}$)</td>
<td>[Calculation] (= (D_{p2} \times A_{p2} \times 1) + (D_{pm} \times A_{pm} \times 0.10))</td>
<td>0.0</td>
</tr>
</tbody>
</table>
LID TREATMENT CONTROL:
BIORETENTION (L-1)

**UNIQUE ID: DMA 8**

- A separate worksheet must be completed for each bioretention within the proposed development project (e.g., 3 bioretention areas proposed = 3 separate bioretention worksheets; one for each bioretention). Copy this spreadsheet as many times as necessary to accommodate all the bioretention areas in the project. To copy this spreadsheet, simply right click on the tab, select "Move or Copy", then Select "Bioretention (L-1)", check the "Create a Copy" box, and hit OK.

### BIORETENTION WITH SUBSURFACE DRAIN PIPE (Required for C and D soils)

<table>
<thead>
<tr>
<th>Design Parameter</th>
<th>Criteria</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ponding Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of ponding zone, ft (D\text{PZ})</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>b. Area of ponding zone, ft² (A\text{PZ})</td>
<td>39282.0</td>
<td></td>
</tr>
<tr>
<td>2. Planting Media Layer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of planting media layer, ft (D\text{PM})</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>b. Area of planting media layer, ft² (A\text{PM})</td>
<td>39282.0</td>
<td></td>
</tr>
<tr>
<td>3. Gravel Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of gravel below pipe, ft (D\text{GZ})</td>
<td>0.50</td>
<td>Minimum depth below pipe = 6 in</td>
</tr>
<tr>
<td>b. Area of gravel below pipe, ft² (A\text{GZ})</td>
<td>39282.0</td>
<td>Minimum width of gravel = 3 ft</td>
</tr>
<tr>
<td>4. Volume Reduction, ft³ (Vo\text{reduction})</td>
<td>21605.1</td>
<td>- Volume reduction achieved by Bioretention with subsurface drain pipe</td>
</tr>
<tr>
<td>= (D\text{PZ} \times A\text{PZ} \times 0.25) + (D\text{PM} \times A\text{PM} \times 0.1) + (D\text{GZ} \times A\text{GZ} \times 0.3)</td>
<td></td>
<td>- Infiltration allowance for water in ponding zone water = 0.25</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Available Water Holding Capacity of planting media layer = 0.1 x volume</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Porosity of gravel zone = 0.30</td>
</tr>
</tbody>
</table>

### BIORETENTION WITHOUT SUBSURFACE DRAIN PIPE (Recommended for A and B soils)

<table>
<thead>
<tr>
<th>Design Parameter</th>
<th>Criteria</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ponding Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of ponding zone, ft (D\text{PZ})</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Area of ponding zone, ft² (A\text{PZ})</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Planting Media Layer</td>
<td></td>
<td>Available Water Holding Capacity of planting media layer = 0.1 x volume</td>
</tr>
<tr>
<td>a. Depth of planting media layer, ft (D\text{PM})</td>
<td></td>
<td>Minimum depth = 18 inches</td>
</tr>
<tr>
<td>b. Area of planting media layer, ft² (A\text{PM})</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Volume Reduction, ft³ (Vo\text{reduction})</td>
<td>0.0</td>
<td>- Volume reduction achieved by Bioretention with subsurface drain pipe</td>
</tr>
<tr>
<td>= (D\text{PZ} \times A\text{PZ} \times 1) + (D\text{PM} \times A\text{PM} \times 0.10)</td>
<td></td>
<td>- Infiltration allowance for water in ponding zone water = 1.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Available Water Holding Capacity of planting media layer = 0.1 x volume</td>
</tr>
</tbody>
</table>
LID TREATMENT CONTROL:  
BIORETENTION (L-1)  
UNIQUE ID: DMA 9

- A separate worksheet must be completed for each bioretention within the proposed development project (e.g., 3 bioretention areas proposed = 3 separate bioretention worksheets; one for each bioretention). Copy this spreadsheet as many times as necessary to accommodate all the bioretention areas in the project. To copy this spreadsheet, simply right click on the tab, select "Move or Copy", then Select "Bioretention (L-1)", check the "Create a Copy" box, and hit OK.

**BIORETENTION WITH SUBSURFACE DRAIN PIPE**  (Required for C and D soils)

<table>
<thead>
<tr>
<th>Design Parameter</th>
<th>Criteria</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ponding Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of ponding zone, ft ( (D_{PZ}) )</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>b. Area of ponding zone, ft² ( (A_{PZ}) )</td>
<td>6902.0</td>
<td></td>
</tr>
<tr>
<td>2. Planting Media Layer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of planting media layer, ft ( (D_{PM}) )</td>
<td>1.5</td>
<td>Minimum depth below pipe = 6 in</td>
</tr>
<tr>
<td>b. Area of planting media layer, ft² ( (A_{PM}) )</td>
<td>6802.0</td>
<td></td>
</tr>
<tr>
<td>3. Gravel Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of gravel below pipe, ft ( (D_{GZ}) )</td>
<td>0.50</td>
<td>Minimum depth below pipe = 6 in</td>
</tr>
<tr>
<td>b. Area of gravel below pipe, ft² ( (A_{GZ}) )</td>
<td>6902.0</td>
<td>Minimum width of gravel = 3 ft</td>
</tr>
</tbody>
</table>

4. Volume Reduction, ft³ \( (Vol_{reduction}) \)
\[
= (D_{PZ} \times A_{PZ} \times 0.25) + (D_{PM} \times A_{PM} \times 0.1) + (D_{GZ} \times A_{GZ} \times 0.3)
\]
\[
= 3796.1
\]
- Volume reduction achieved by Bioretention with subsurface drain pipe
- Infiltration allowances for water in ponding zone water = 0.25
- Available Water Holding Capacity of planting media layer = 0.1 x volume
- Porosity of gravel zone = 0.30

**BIORETENTION WITHOUT SUBSURFACE DRAIN PIPE**  (Recommended for A and B soils)

<table>
<thead>
<tr>
<th>Design Parameter</th>
<th>Criteria</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ponding Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of ponding zone, ft ( (D_{PZ}) )</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Area of ponding zone, ft² ( (A_{PZ}) )</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Planting Media Layer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of planting media layer, ft ( (D_{PM}) )</td>
<td>Available Water Holding Capacity of planting media layer = 0.1 x volume</td>
<td></td>
</tr>
<tr>
<td>b. Area of planting media layer, ft² ( (A_{PM}) )</td>
<td>Minimum depth = 18 inches</td>
<td></td>
</tr>
</tbody>
</table>
| 3. Volume Reduction, ft³ \( (Vol_{reduction}) \)
\[
= (D_{PZ} \times A_{PZ} \times 1) + (D_{PM} \times A_{PM} \times 0.10)
\]
\[
= 0.0
\]
- Volume reduction achieved by Bioretention with subsurface drain pipes
- Infiltration allowance for water in ponding zone water = 1.0
- Available Water Holding Capacity of planting media layer = 0.1 x volume
LID TREATMENT CONTROL:
BIORETENTION (L-1)

UNIQUE ID: DMA 10

A separate worksheet must be completed for each bioretention within the proposed development project (e.g., 3 bioretention areas proposed = 3 separate bioretention worksheets; one for each bioretention). Copy this spreadsheet as many times as necessary to accommodate all the bioretention areas in the project. To copy this spreadsheet, simply right click on the tab, select “Move or Copy”, then Select “Bioretention (L-1)”, check the “Create a Copy” box, and hit OK.

### BIORETENTION WITH SUBSURFACE DRAIN PIPE (Required for C and D soils)

<table>
<thead>
<tr>
<th>Design Parameter</th>
<th>Criteria</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ponding Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of ponding zone, ft (D_{pz})</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>b. Area of ponding zone, ft(^2) (A_{pz})</td>
<td>25832.0</td>
<td></td>
</tr>
<tr>
<td>2. Planting Media Layer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of planting media layer, ft (D_{pm})</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>b. Area of planting media layer, ft(^2) (A_{pm})</td>
<td>25832.0</td>
<td></td>
</tr>
<tr>
<td>3. Gravel Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of gravel below pipe, ft (D_{gz})</td>
<td>0.50</td>
<td>Minimum depth below pipe = 6 in</td>
</tr>
<tr>
<td>b. Area of gravel below pipe, ft(^2) (A_{gz})</td>
<td>25832.0</td>
<td>Minimum width of gravel = 3 ft</td>
</tr>
<tr>
<td>4. Volume Reduction, ft(^3) (Vol_{reduction})</td>
<td>14207.6</td>
<td>- Volume reduction achieved by Bioretention with subsurface drain pipe</td>
</tr>
<tr>
<td>(= (D_{pz} \times A_{pz} \times 0.25) + (D_{pm} \times A_{pm} \times 0.1) + (D_{gz} \times A_{gz} \times 0.3))</td>
<td></td>
<td>- Infiltration allowance for water in ponding zone water = 0.25</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Available Water Holding Capacity of planting media layer = 0.1 x volume</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Porosity of gravel zone = 0.30</td>
</tr>
</tbody>
</table>

### BIORETENTION WITHOUT SUBSURFACE DRAIN PIPE (Recommended for A and B soils)

<table>
<thead>
<tr>
<th>Design Parameter</th>
<th>Criteria</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ponding Zone</td>
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<td></td>
</tr>
<tr>
<td>a. Depth of ponding zone, ft (D_{pz})</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Area of ponding zone, ft(^2) (A_{pz})</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Planting Media Layer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of planting media layer, ft (D_{pm})</td>
<td></td>
<td>Minimum depth = 18 inches</td>
</tr>
<tr>
<td>b. Area of planting media layer, ft(^2) (A_{pm})</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Volume Reduction, ft(^3) (Vol_{reduction})</td>
<td>0.0</td>
<td>- Volume reduction achieved by Bioretention with subsurface drain pipe</td>
</tr>
<tr>
<td>(= (D_{gz} \times A_{gz} \times 1) + (D_{pm} \times A_{pm} \times 0.10))</td>
<td></td>
<td>- Infiltration allowance for water in ponding zone water = 1.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Available Water Holding Capacity of planting media layer = 0.1 x volume</td>
</tr>
</tbody>
</table>
LID TREATMENT CONTROL:
BIORETENTION (L-1)
UNIQUE ID: DMA 11

A separate worksheet must be completed for each bioretention within the proposed development project (e.g., 3 bioretention areas proposed = 3 separate bioretention worksheets; one for each bioretention). Copy this spreadsheet as many times as necessary to accommodate all the bioretention areas in the project. To copy this spreadsheet, simply right click on the tab, select “Move or Copy”, then Select “Bioretention (L-1)”, check the “Create a Copy” box, and hit OK.

### BIORETENTION WITH SUBSURFACE DRAIN PIPE (Required for C and D soils)

<table>
<thead>
<tr>
<th>Design Parameter</th>
<th>Criteria</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ponding Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of ponding zone, ft ( (D_{pz}) )</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>b. Area of ponding zone, ft(^2) ( (A_{pz}) )</td>
<td>9449.0</td>
<td></td>
</tr>
<tr>
<td>2. Planting Media Layer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of planting media layer, ft ( (D_{pm}) )</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>b. Area of planting media layer, ft(^2) ( (A_{pm}) )</td>
<td>9449.0</td>
<td></td>
</tr>
<tr>
<td>3. Gravel Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of gravel below pipe, ft ( (D_{gz}) )</td>
<td>0.50</td>
<td>Minimum depth below pipe = 6 in</td>
</tr>
<tr>
<td>b. Area of gravel below pipe, ft(^2) ( (A_{gz}) )</td>
<td>9449.0</td>
<td>Minimum width of gravel = 3 ft</td>
</tr>
<tr>
<td>4. Volume Reduction, ft(^3) ( (V_{reduction}) )</td>
<td>5197.0</td>
<td>- Volume reduction achieved by Bioretention with subsurface drain pipe</td>
</tr>
<tr>
<td>( = (D_{pz} \times A_{pz} \times 0.25) + (D_{pm} \times A_{pm} \times 0.1) + (D_{gz} \times A_{gz} \times 0.3) )</td>
<td></td>
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</tbody>
</table>

### BIORETENTION WITHOUT SUBSURFACE DRAIN PIPE (Recommended for A and B soils)

<table>
<thead>
<tr>
<th>Design Parameter</th>
<th>Criteria</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ponding Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of ponding zone, ft ( (D_{pz}) )</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Area of ponding zone, ft(^2) ( (A_{pz}) )</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Planting Media Layer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Depth of planting media layer, ft ( (D_{pm}) )</td>
<td>Available Water Holding Capacity of planting media layer = 0.1 x volume</td>
<td></td>
</tr>
<tr>
<td>b. Area of planting media layer, ft(^2) ( (A_{pm}) )</td>
<td>Minimum depth = 18 inches</td>
<td></td>
</tr>
<tr>
<td>3. Volume Reduction, ft(^3) ( (V_{reduction}) )</td>
<td>0.0</td>
<td>- Volume reduction achieved by Bioretention with subsurface drain pipe</td>
</tr>
<tr>
<td>( = (D_{pz} \times A_{pz} \times 1) + (D_{pm} \times A_{pm} \times 0.10) )</td>
<td></td>
<td>- Infiltration allowance for water in ponding zone water = 1.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Available Water Holding Capacity of planting media layer = 0.1 x volume</td>
</tr>
<tr>
<td>Criteria</td>
<td>Notes</td>
<td>Design Parameter</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>--------------------------------------------</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td><strong>BIORETENTION WITH SUBSURFACE DRAIN PIPE</strong></td>
<td>Recommended for A and B soils</td>
<td></td>
</tr>
<tr>
<td>1. Depth of ponding zone, ft (Dp)</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>2. Area of ponding zone, ft² (Ap)</td>
<td>5.87</td>
<td></td>
</tr>
<tr>
<td>3. Area of planting media layer, ft² (Am)</td>
<td>5.87</td>
<td></td>
</tr>
<tr>
<td>4. Volume Reduction, ft³ (V_red)</td>
<td>= (Dp x Ap x 0.25 x 0.1) + (Am x Ag x 0.3)</td>
<td></td>
</tr>
<tr>
<td><strong>BIORETENTION WITHOUT SUBSURFACE DRAIN PIPE</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Depth of ponding zone, ft (Dp)</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>2. Area of ponding zone, ft² (Ap)</td>
<td>5.87</td>
<td></td>
</tr>
<tr>
<td>3. Area of planting media layer, ft² (Am)</td>
<td>5.87</td>
<td></td>
</tr>
<tr>
<td>4. Volume Reduction, ft³ (V_red)</td>
<td>= (Dp x Ap x 0.25 x 0.1) + (Am x Ag x 0.3)</td>
<td></td>
</tr>
</tbody>
</table>
BIORETENTION AREA
SQDV CALCULATION
PRINTOUTS
### Bioretention Area SQDV Calculations

SQDV = \frac{V_L \times C_r}{A_{Plant\_req'd}} = \frac{SQDV}{P_{Pond}} \times \frac{1 \text{ in}}{12 \text{ ft}^2}

<table>
<thead>
<tr>
<th>Site Element</th>
<th>Runoff Coeff.</th>
<th>Overall Area (ft²)</th>
<th>Overall Area (ft²)</th>
<th>Overall Area (ft²)</th>
<th>Overall Area (ft²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioretention Planting Media Area</td>
<td>0.25</td>
<td>135,962.0</td>
<td>6,375.0</td>
<td>4,179.0</td>
<td>4,225.0</td>
</tr>
<tr>
<td>Starting Landscaped Area</td>
<td>0.35</td>
<td>799,208.0</td>
<td>67,100.0</td>
<td>27,435.0</td>
<td>48,552.0</td>
</tr>
<tr>
<td>Ponding Depth</td>
<td>12.0 in</td>
<td>12.0 in</td>
<td>12.0 in</td>
<td>12.0 in</td>
<td>12.0 in</td>
</tr>
<tr>
<td>Pre-Project Runoff Coeff.</td>
<td>0.25</td>
<td>663,246.0</td>
<td>60,725.0</td>
<td>23,256.0</td>
<td>44,327.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Site Element</th>
<th>Runoff Coeff.</th>
<th>Element Area (ft²)</th>
<th>Element Area (ft²)</th>
<th>Element Area (ft²)</th>
<th>Element Area (ft²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Landscaped</td>
<td>0.25</td>
<td>663,246.0</td>
<td>60,725.0</td>
<td>23,256.0</td>
<td>44,327.0</td>
</tr>
<tr>
<td>Concrete</td>
<td>0.35</td>
<td>257,830.0</td>
<td>14,768.0</td>
<td>7,135.0</td>
<td>13,029.0</td>
</tr>
<tr>
<td>Asphalt</td>
<td>0.35</td>
<td>1,389,667.0</td>
<td>82,743.0</td>
<td>427,722.0</td>
<td>158,118.0</td>
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<tr>
<td>Roof</td>
<td>0.05</td>
<td>615,440.0</td>
<td>6,375.0</td>
<td>4,175.0</td>
<td>4,225.0</td>
</tr>
<tr>
<td>Basin</td>
<td>1.00</td>
<td>135,962.0</td>
<td>60,725.0</td>
<td>23,256.0</td>
<td>44,327.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TOTAL</th>
<th>3,102,145.0</th>
<th>176,984.0</th>
<th>60,725.0</th>
<th>23,256.0</th>
<th>44,327.0</th>
</tr>
</thead>
</table>

**Unit Basin Storage Volume (Fig. 6-1, 2009)**
- COS SWOCCP: 0.2723 in
- 12-hr SQDV: 70.391 ft³
- Required Planting Zone Area: 70.391 ft²
- Area Required - Area Proposed: 72.971 ft²

**Volume Reduction Provided:** 24779.1 ft³
**Volume Reduction Required:** 72674.864 ft³
### Bioretention Area SODV Calculations

\[
SODV = \left( C_r \times R_t \right) \times \frac{1}{12}\text{ ft}
\]

- **A\text{PLAN req'd} = \text{SDV} / \text{Pond} = \frac{1}{12}**

<table>
<thead>
<tr>
<th>Site</th>
<th>Element</th>
<th>Runoff Coef.</th>
<th>Area (ft²)</th>
<th>Fraction</th>
<th>Runoff Coef.</th>
<th>Area (ft²)</th>
<th>Fraction</th>
<th>Runoff Coef.</th>
<th>Area (ft²)</th>
<th>Fraction</th>
<th>Runoff Coef.</th>
<th>Area (ft²)</th>
<th>Fraction</th>
<th>Runoff Coef.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Landscaped</td>
<td>0.25</td>
<td>58,717.0</td>
<td>0.1796</td>
<td>0.0449</td>
<td>25,772.0</td>
<td>0.4574</td>
<td>0.1144</td>
<td>128,933.0</td>
<td>0.1780</td>
<td>0.0445</td>
<td>45,761.0</td>
<td>0.2169</td>
<td>0.0542</td>
</tr>
<tr>
<td></td>
<td>Concrete</td>
<td>0.95</td>
<td>52,534.0</td>
<td>0.1607</td>
<td>0.1527</td>
<td>196.0</td>
<td>0.0033</td>
<td>0.0032</td>
<td>63,147.0</td>
<td>0.1470</td>
<td>0.1396</td>
<td>88,072.0</td>
<td>0.1216</td>
<td>0.1155</td>
</tr>
<tr>
<td></td>
<td>Asphalt</td>
<td>0.95</td>
<td>202,362.0</td>
<td>0.6188</td>
<td>0.5876</td>
<td>23,730.0</td>
<td>0.5080</td>
<td>0.4826</td>
<td>99,219.0</td>
<td>0.2319</td>
<td>0.2033</td>
<td>156,252.0</td>
<td>0.2213</td>
<td>0.2102</td>
</tr>
<tr>
<td></td>
<td>Roof</td>
<td>1.00</td>
<td>0.00000</td>
<td>0.00000</td>
<td>0.00000</td>
<td>0.00000</td>
<td>0.00000</td>
<td>0.00000</td>
<td>207,765.0</td>
<td>0.4839</td>
<td>0.4594</td>
<td>307,720.0</td>
<td>0.4248</td>
<td>0.4036</td>
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<tr>
<td></td>
<td>Basin</td>
<td>0.00</td>
<td>13,377.0</td>
<td>0.0409</td>
<td>0.0409</td>
<td>1,830.0</td>
<td>0.0313</td>
<td>0.0313</td>
<td>10,449.0</td>
<td>0.0243</td>
<td>0.0243</td>
<td>35,282.0</td>
<td>0.0542</td>
<td>0.0452</td>
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<tr>
<td></td>
<td>TOTAL</td>
<td>0.8264</td>
<td>58,526.0</td>
<td>0.6314</td>
<td>429,666.0</td>
<td>0.8593</td>
<td>724,259.0</td>
<td>0.8281</td>
<td>210,949.0</td>
<td>0.7998</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Unit Basin Storage Volume (Fig. 6-1, 2009)**

- **COS SWCCP**: 0.2805 in
- **12-hr SDV**: 7,642.8 ft²
- **Required Planting Zone Area**: 7,642.8 ft²

**Area Required - Area Proposed**:
- (-5,734.2 ft²) or -788.2 ft²

**Volume Reduction Provided**: 0.2714 in

**Volume Reduction Required**: -2,131.9 ft²
### Bioretention Area SQDV Calculations

\[ SQDV = I_c \times C \]

\[ A_{Plant, req'd} = \frac{SQDV}{P_{prew} \times \left( \frac{1}{12 \text{ in}} \right)} \]

<table>
<thead>
<tr>
<th>Site Element</th>
<th>Runoff Coeff.</th>
<th>Area Fraction (ft²)</th>
<th>Weighted Runoff Coeff.</th>
<th>Element Area (ft²)</th>
<th>Area Fraction (ft²)</th>
<th>Weighted Runoff Coeff.</th>
<th>Element Area (ft²)</th>
<th>Area Fraction (ft²)</th>
<th>Weighted Runoff Coeff.</th>
<th>Element Area (ft²)</th>
<th>Area Fraction (ft²)</th>
<th>Weighted Runoff Coeff.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioretention Planting Media Area</td>
<td>0.25</td>
<td>65,466.0</td>
<td>0.2579</td>
<td>0.0645</td>
<td>22,525.0</td>
<td>0.1852</td>
<td>0.0463</td>
<td>20,255.0</td>
<td>0.3464</td>
<td>0.0866</td>
<td>22,686.0</td>
<td>0.3076</td>
</tr>
<tr>
<td>Starting Landscaped Area</td>
<td>0.35</td>
<td>7,533.0</td>
<td>0.0290</td>
<td>0.0275</td>
<td>3,822.0</td>
<td>0.0314</td>
<td>0.0295</td>
<td>2,425.0</td>
<td>0.0415</td>
<td>0.0394</td>
<td>1,106.0</td>
<td>0.0150</td>
</tr>
<tr>
<td>Asphalt</td>
<td>0.90</td>
<td>155,185.0</td>
<td>0.5114</td>
<td>0.5808</td>
<td>93,673.0</td>
<td>0.7702</td>
<td>0.7317</td>
<td>33,060.0</td>
<td>0.5644</td>
<td>0.5362</td>
<td>28,832.0</td>
<td>0.3866</td>
</tr>
<tr>
<td>Roof</td>
<td>0.55</td>
<td>95.0</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0</td>
<td>0.0000</td>
<td>0.0000</td>
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<td>0.0000</td>
<td>0.0000</td>
<td>0.0</td>
<td>0.0000</td>
</tr>
<tr>
<td>Basin</td>
<td>1.00</td>
<td>25,832.0</td>
<td>0.1018</td>
<td>0.1018</td>
<td>1,608.0</td>
<td>0.0132</td>
<td>0.0132</td>
<td>2,786.0</td>
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<td>0.0477</td>
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<td>0.2907</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td>253,836.0</td>
<td>0.7746</td>
<td></td>
<td>121,628.0</td>
<td>0.8210</td>
<td></td>
<td>58,466.0</td>
<td>0.7099</td>
<td></td>
<td>73,742.0</td>
<td>0.7492</td>
</tr>
</tbody>
</table>

#### Unit Basin Storage Volume (Fig. 6-1, 2009)

- **COS SWQCP:** 0.0627 in
- **12-hr SQDV:** 5,556.9 ft³
- **Required Planting Zone Area:** 5,556.9 ft²
- **Area Required - Area Proposed:** 20,275.1 ft²

**Volume Reduction Provided:**

\[ V = \text{Volume Reduction Required} \]

**Volume Reduction Required:**

\[ V = \text{Volume Reduction Required} \]

**Calculated Values:**

- **SQDV:**
- **A_{Plant, req'd}:**
### Bioretention Area SQDV Calculations

\[
SQDV = V_0 \times C_r
\]

\[
A_{Plant,\ required} = \frac{SQDV}{D_{Pond}} \times \left(\frac{1}{12}\text{ ft}^2\right)
\]

<table>
<thead>
<tr>
<th>Site Element</th>
<th>Runoff Coeff.</th>
<th>Area Fraction</th>
<th>Weighted Runoff</th>
<th>Element Area (ft(^2))</th>
<th>Area Fraction</th>
<th>Weighted Runoff</th>
<th>Element Area (ft(^2))</th>
<th>Area Fraction</th>
<th>Weighted Runoff</th>
<th>Element Area (ft(^2))</th>
<th>Area Fraction</th>
<th>Weighted Runoff</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioretention Planting Media Area</td>
<td></td>
<td></td>
<td></td>
<td>9,449 ft(^2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Starting Landscaped Area</td>
<td></td>
<td></td>
<td></td>
<td>39,067 ft(^2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ponding Depth</td>
<td>12.0 in</td>
<td>12.0 in</td>
<td>12.0 in</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pre-Project Runoff Coef.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### DMA 11

<table>
<thead>
<tr>
<th>Element</th>
<th>Area (ft(^2))</th>
<th>Weighted Runoff Coef.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Landscaped</td>
<td>29,618.0</td>
<td>0.1437</td>
</tr>
<tr>
<td>Concrete</td>
<td>8,377.0</td>
<td>0.0406</td>
</tr>
<tr>
<td>Asphalt</td>
<td>55,659.0</td>
<td>0.7698</td>
</tr>
<tr>
<td>Roof</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Basin</td>
<td>9,449.0</td>
<td>0.0458</td>
</tr>
<tr>
<td>TOTAL</td>
<td>206,143.0</td>
<td>0.8517</td>
</tr>
</tbody>
</table>

**Unit Basin Storage Volume (Fig. 6-1, 2009)**

<table>
<thead>
<tr>
<th>Element</th>
<th>Area (ft(^2))</th>
</tr>
</thead>
<tbody>
<tr>
<td>COS SWQCP</td>
<td>0.2892 in</td>
</tr>
<tr>
<td>12-hr SQDV</td>
<td>4,967.3 ft(^3)</td>
</tr>
<tr>
<td>Required Planting Zone Area</td>
<td>4,967.3 ft(^2)</td>
</tr>
<tr>
<td>Area Required - Area Proposed</td>
<td>-4,481.7 ft(^2)</td>
</tr>
</tbody>
</table>

**Volume Reduction Provided:**

**Volume Reduction Required:**
Bioretention Area SQDV Calculations

\[ SQDV = I_C \times C_r \]

\[ A_{Plan} = \frac{SQDV}{D_{Pond}} \times \left( \frac{1}{12} \right) \]

<table>
<thead>
<tr>
<th>Site Element</th>
<th>Overall</th>
<th>DMA 12.1</th>
<th>DMA 12.2</th>
<th>DMA 12.3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Element Area (ft^2)</td>
<td>Runoff Coeff.</td>
<td>Area Fraction (ft^2)</td>
<td>Weighted Runoff Coeff.</td>
</tr>
<tr>
<td>Bioretention Planting Media Area</td>
<td>5,187.0</td>
<td>0.37</td>
<td>0.0937</td>
<td>35,120.0</td>
</tr>
<tr>
<td>Starting Landscaped Area</td>
<td>65,308.0</td>
<td>0.39</td>
<td>0.0395</td>
<td>35,923.0</td>
</tr>
<tr>
<td>Ponding Depth</td>
<td>12.0</td>
<td>12.0</td>
<td>12.0</td>
<td>12.0</td>
</tr>
<tr>
<td>Pre-Project Runoff Coeff.</td>
<td>1.00</td>
<td>0.00324</td>
<td>0.0324</td>
<td>0.0083</td>
</tr>
<tr>
<td>TOTAL</td>
<td>160,339.0</td>
<td>0.6891</td>
<td>96,623.0</td>
<td>0.6960</td>
</tr>
</tbody>
</table>

Unit Basin Storage Volume (Fig. 6-1, 2009)

- COS SWACCP:
  - 0.2334 in
- 12-hr SQDV:
  - 3,188.8 ft^3
- Required Planting Zone Area:
  - 3,188.8 ft^2
- Area Required - Area Proposed:
  - 2,066.2 ft^2

Volume Reduction Provided:

Volume Reduction Required:
EXHIBIT F

S-1 STORM DRAIN
MESSAGE AND SIGNAGE
NOTES:

1. DESIGN OF STORM DRAIN MESSAGE SHALL BE IN ACCORDANCE WITH DETAILS SHOWN ABOVE.
2. FOR NEW DEVELOPMENT, MESSAGE AND SYMBOL SHALL BE PERMANENTLY PLACED WITH THE USE OF ROMANITE, STAMPED INTO THE CONCRETE, OR OTHER METHODS APPROVED BY THE CITY ENGINEER.
3. FOR REDEVELOPMENT, MESSAGE AND SYMBOL SHALL BE PLACED WITH THE USE OF THERMOPLASTIC PAVEMENT MARKINGS.
4. PAINTING SHALL NOT BE ALLOWED FOR NEW DEVELOPMENT OR REDEVELOPMENT. PAINTING SHALL ONLY BE ALLOWED IN EXISTING AREAS FOR COMMUNITY AWARENESS ACTIVITIES. LETTERS SHALL BE 1½ INCHES IN HEIGHT. OUTSIDE DIMENSION OF PUBLIC NOTICE BACKGROUND SHALL FIT BACK OF INLET OR BE PLACED IN SIDEWALK IMMEDIATELY BEHIND INLET AND SHALL BE 8 INCHES X 24 INCHES MINIMUM. LETTERING AND GRAPHIC SHALL BE BLACK WITH GRAY BACKGROUND UNLESS OTHERWISE APPROVED BY CITY ENGINEER.
5. DRIVEWAY INLETS SHALL HAVE NOTICE IN DRIVEWAY ADJACENT TO INLET.

Figure 4-1. Storm Drain Message Location
EXHIBIT D

VOLUME REDUCTION CALCULATOR PRINTOUTS