



City of Carson Report to Mayor and City Council

August 7, 2012
New Business Consent

SUBJECT: CONSIDER APPROVAL OF THE ONE-TIME "FLOOD PERMIT" FEE PAYMENT OF \$50,000.00 TO THE COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS AS IT RELATES TO THE MACHADO LAKE TRASH TOTAL MAXIMUM DAILY LOAD AND CAPITAL IMPROVEMENT PROJECT NO. 1332

Submitted by Farrokh Abolfathi
Acting Development Services General Manager

Approved by David C. Biggs
City Manager

I. SUMMARY

City Council is requested to authorize the Fiscal Year 2012/13 budgeted expense of \$50,000.00 to obtain a "Flood Permit" from the County of Los Angeles Department of Public Works (County). This amount exceeds the City Manager's signature authority. Therefore, City Council approval is required.

II. RECOMMENDATION

APPROVE the one-time \$50,000.00 fee payment to the County of Los Angeles Department of Public Works for a "Flood Permit" as it relates to the Machado Lake Trash Total Maximum Daily Load and Capital Improvement Project No. 1332.

III. ALTERNATIVES

1. DO NOT APPROVE the fee payment; however, failure to obtain a "Flood Permit" would preclude the installation of debris excluders in 175 of the 196 storm drain catch basins within the City of Carson that drain to Machado Lake and, as a result, make compliance with the Machado Lake Trash Total Maximum Daily Load unattainable and subject the city to potential fines and litigation.
2. TAKE any action the City Council deems appropriate.

IV. BACKGROUND

On February 27, 2008, the United States Environmental Protection Agency approved the Machado Lake Trash Total Maximum Daily Load (TMDL) issued by the Los Angeles Regional Water Quality Control Board by Resolution No. 2008-006. This order addresses ways that water quality can be improved in Machado Lake through a series of actions and public improvements, some of which are the City of Carson's responsibility to implement. The full-order can be viewed on the State Water Resources Control Board website.

The City of Carson (City) can achieve full compliance with the Machado Lake Trash TMDL by continuing the weekly street sweeping and installing and maintaining debris excluders called “full capture devices,” such as a connector pipe screen (CPS), inside the 196 storm drain catch basins within the City that drain to Machado Lake.

In addition to a CPS inside each catch basin, staff proposes to install a unique “Keep Carson Beautiful” automatic retractable screen (ARS) at the curb face of each of these catch basins (Exhibit No. 1). Although it is not required to meet the Machado Lake Trash TMDL, the ARS drastically reduces maintenance costs over time and will extensively increase public awareness. It will also serve to effectively reduce the amount of leaf litter in catch basins which, as they decompose, contribute to nutrient levels in storm water and ultimately Machado Lake. This is very important since the City is also subject to the Machado Lake Nutrient TMDL.

The unique “Keep Carson Beautiful” ARS has been vetted through and approved by the Public Works and Environmental Commissions, the Beautification Committee and the County.

In order to proceed with the installation of any CPS and/or ARS, a “Flood Permit” must first be obtained from the County because 175 of those 196 catch basins belong to the Los Angeles County Flood Control District (LACFCD). In 1985, the responsibilities and authority vested in the LACFCD were transferred to the County. Once issued, this “Flood Permit” does not expire.

In order to install any device on a LACFCD-owned facility, an agency must comply with the LACFCD’s guidelines (Exhibit 2). These guidelines include, but are not limited to, the submission of a completed “Flood Permit Application” (Exhibit 3) and catch basin data, as well as payment of a one-time fee to cover the cost to review any impacts to the storm drain system hydraulic capacity, operation, and maintenance. This review also includes a detailed evaluation of each of the 175 LACFCD-owned catch basins and the 21 City-owned catch basins to determine if they are suitable candidates for the proposed debris excluders. The added review of City-owned catch basins significantly limits the City’s liability. The County’s one-time fee to evaluate all 196 catch basins is \$50,000.00, approximately \$255.10 per catch basin.

Schedule

The schedule for installation of devices is also specified in the Machado Lake Trash TMDL; and, time is of the essence. Failure to comply with the Machado Lake Trash TMDL could subject the City to potential third-party litigation and fines from the Los Angeles Regional Water Quality Control Board.

Funding

On behalf of several agencies subject to the Machado Lake Trash TMDL, the City of Torrance submitted a joint project for Proposition 84 funds. A decision is pending this fall. Proposition 84 funds require a 20% match of funds. Since the City's share of the joint project is estimated to cost \$400,000.00, the \$50,000.00 permit fee will satisfy a portion of that 20% matching requirement and is an authorized reimburseable expense. If the City is unable to obtain Proposition 84 funds or other outside funds, the installation of these devices is planned over a four-year period, beginning FY 2012/13 under Capital Improvement Project No. 1332, in increments that match the TMDL requirements.

V. FISCAL IMPACT

Funds for this item are included in the FY 2012/13 National Pollutant Discharge Elimination System budget in account no. 01-80-820-285-6004.

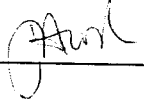
VI. EXHIBITS

1. Shop drawing of unique Keep Carson Beautiful automatic retractable screen. (pg. 4)
2. Los Angeles County Flood Control District Installation of Structural Best Management Practice Devices on District Facilities Guidelines. (pg. 5)
3. Completed Flood Permit Application. (pg. 6)

Prepared by: Patricia Elkins, Storm Water Quality Programs Manager

TO: Rev04-23-12

Reviewed by:

City Clerk	City Treasurer
Administrative Services 	Development Services
Economic Development	Public Services

Action taken by City Council

Date _____ Action _____

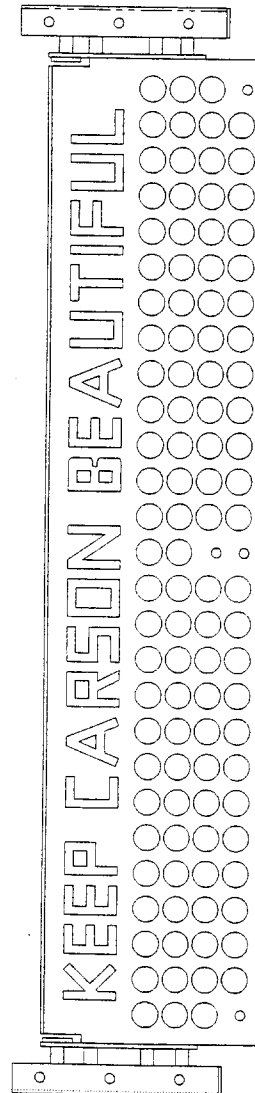
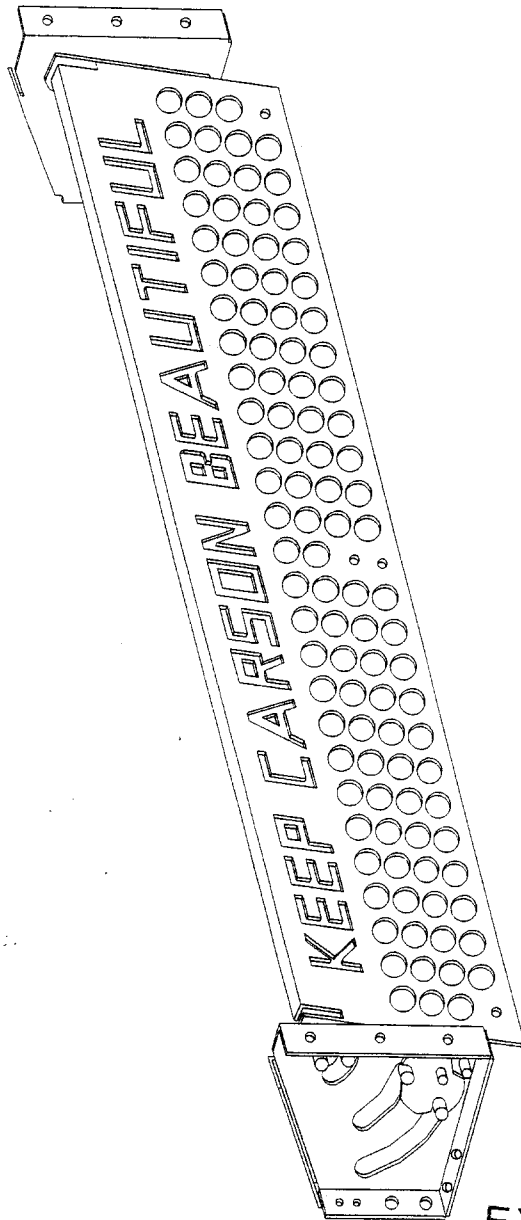


EXHIBIT NO. 01

WEST COAST STORM INC.

NAME	DATE
VJ	5/22/12

VIII:

CITY OF CARSON
ARS SCREEN

SIZE DWG. NO. **B** CARSON ARS SCREEN A REV

SCALE: N/A

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±
ANGULAR: MACH ± BEILD ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

INTERPRET GEOMETRIC
TOLERANCING PER:

MATERIAL
304 STAINLESS STEEL

FINISH NONE

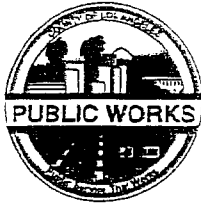
NOT TO SCALE

PROPRIETARY AND CONFIDENTIAL

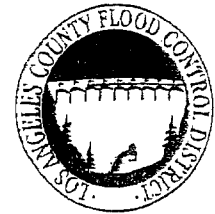
PATENT PENDING

NEXT ASSY USED ON

APPLICATION



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
INSTALLATION OF STRUCTURAL BEST MANAGEMENT
PRACTICE DEVICES ON DISTRICT FACILITIES GUIDELINES



Any agency proposing to install a structural Best Management Practice (BMP) device on land or a facility owned, operated, or maintained by the Los Angeles County Flood Control District (LACFCD) to reduce pollution for compliance with the National Pollutant Discharge Elimination System Program or Total Maximum Daily Loads Program shall comply with the following requirements:

1. Submit a completed Flood Permit Application, including applicable fees and all necessary submittals to the LACFCD's Construction Division, Permits Section. The proposed installation of structural BMP devices shall be reviewed for, among other things, impacts to the hydraulic capacity, operation, and maintenance of the LACFCD's facility and related system. Approval of any particular structural BMP device shall be at the discretion of the Chief Engineer of the LACFCD.
2. If the Flood Permit Application is approved and a Flood Permit is issued by the LACFCD, construct the permitted structural BMP device(s) to the LACFCD's standards and in accordance with the Flood Permit.
3. Provide an as-built and a Geographic Information System-based map showing the location of the structural BMP device or each structural BMP device installed pursuant to the Flood Permit.
4. Enter into a long-term maintenance agreement between the agency and the LACFCD, pursuant to which the agency shall assume all operational and maintenance responsibilities for the structural BMP in perpetuity, including but not limited to the removal and disposal of pollutants captured or withheld by a structural BMP and the repair of the device as necessary.

At the sole discretion of the Chief Engineer, the agency may contract with LACFCD to operate and maintain the structural BMP on the agency's behalf through a general services agreement with the County.

Approved by

Mark Pestrella, Deputy Director

4/19/10

Date

RG:lm

P:\wmpubl\Secretarial\2010 Documents\Misc\Structural BMP Policy devices.docx

EXHIBIT NO. 02





**LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
FOR LOS ANGELES COUNTY FLOOD CONTROL DISTRICT**

900 S. FREMONT AVE.

ALHAMBRA, CALIFORNIA 91803-1331

FLOOD PERMIT APPLICATION

TRACKING NO. _____

DATE RECEIVED _____

OWNER/ APPLICANT: City of Carson

TELEPHONE: (310) 830-7600

ADDRESS: 701 E. Carson Street

Carson

CA 90745

Street

City

Zip Code

AGENT/ CONTACT: Farrokh Abolfathi or Patricia Elkins

TELEPHONE: (310) 830-7600 ext 1811

ADDRESS: 701 E. Carson Street

Carson

CA 90745

ext 3529

Street

City

Zip Code

E-MAIL pelkins@carson.ca.us

SITE ADDRESS: catch basins in the city of Carson in the Machado Lake watershed

Street

City

Zip Code

NEAREST INTERSECTION: THOMAS GUIDE: 794

SCOPE OF WORK: City of Carson proposes to install automatic retractable screens (ARS) and connector pipe screens (CPS) in 196 catch basins. Detailed information on the 175 County-owned and 21 City-owned catch basins is submitted herewith (in an editable electronic spreadsheet). Only County-approved ARS and CPS (such as those manufactured by West Coast Storm) are proposed for installation.

**PERSON/AGENCY RESPONSIBLE FOR THE
MAINTENANCE OF THE PROPOSED FACILITY:**

The undersigned certifies that the applicant for this permit is familiar with the requirements of the County Lobbyist Ordinance (Los Angeles County Code Chapter 2.160), and that all persons acting on behalf of the applicant have complied with and will continue to comply with this ordinance throughout the application process. It is further agreed that the Owner/Applicant is the financially responsible party for all fees, deposits, charges, collections and refunds, regardless if payment is made by others

PHONE: ()

Farrokh Abolfathi

Print Name of Owner/Applicant

Signature of Owner/Applicant

June 7, 2012

Date

Acting Development Services General Manager

Submit Requirements:

- Four sets of final construction plans (seven if the Corps is involved) with structural details and profiles of the existing and proposed facilities.
 - Two sets of letter size structural and/or hydraulic and hydrology calculations. The plans and calculations must be stamped and signed by a registered civil/structural engineer licensed to practice in the State of California.
 - Four copies of the As-Built drawings of the District's facility impacted by the proposed work and two of the right-of-way map.
 - Letter from Owner/Applicant authorizing Agent/Contact to request a permit on their behalf.
 - For storm drain connections, complete EXHIBIT "A" when applicable, and submit SUSMP.
 - Fees will be charged according to the current ordinance established by the Board of Supervisors
 - Certificate of Liability Insurance (\$1 Million minimum coverage) and additional insured endorsement naming the County of Los Angeles, the Los Angeles County Flood Control District, and, when applicable, the U.S. Army Corps of Engineers as co-insured.
 - Complete and sign acknowledgement that Applicant has read, understands, and agrees to fully comply with the Best Management Practices (BMP) Attachment to this permit per Los Angeles County Code Chapter 12.80 Stormwater and Runoff Pollution Control.
- The applicant must show that the proposed work will not adversely affect the District's interests; i.e., (1) Hydraulic and Hydrologic Design; (2) Structural integrity; (3) Maintenance standards; (4) District's property rights, etc.

PAYMENT

FOR DISTRICT USE ONLY

RECEIVED BY: _____ ASSIGNED TO: _____

Issuance Fee: \$ _____ (Project No. _____)
Processing Fee: \$ _____ (Project No. _____)
Plan Check: \$ _____ (Project No. _____)
Inspection: \$ _____ (Project No. _____)
Security Deposit: \$ _____ (Project No. _____)
Actual Cost: \$ 50,000 (Project No. _____)
Total: \$ 16,112

Suggested Routing:

- | | | |
|--------------------------------|------------------------------------|--------------------------------|
| <input type="checkbox"/> FMD | <input type="checkbox"/> DES-H | <input type="checkbox"/> DES-S |
| <input type="checkbox"/> WMD | <input type="checkbox"/> WRD | <input type="checkbox"/> MPM |
| <input type="checkbox"/> ACE | <input type="checkbox"/> PDD | <input type="checkbox"/> EPD |
| <input type="checkbox"/> AED | <input type="checkbox"/> GMED | <input type="checkbox"/> T&L |
| <input type="checkbox"/> RMD | <input type="checkbox"/> Road Unit | |
| <input type="checkbox"/> Other | | |

TYPE

- | | | | |
|---|--|---|---------------------------------|
| <input type="checkbox"/> Storm Drain Connection | <input type="checkbox"/> Landscaping | <input type="checkbox"/> Overbuild | <input type="checkbox"/> Access |
| <input type="checkbox"/> Catch Basin Relocation | <input type="checkbox"/> Major Modifications | <input type="checkbox"/> Bridge | <input type="checkbox"/> LNO |
| <input type="checkbox"/> Catch Basin Modification | <input type="checkbox"/> Minor Modifications | <input type="checkbox"/> Utility Crossing | <input type="checkbox"/> Other |

INFO

Stream/Project _____ File Code _____ P.O. # _____

PD/MTD (To be Transferred) _____ Tract/P.M. No. _____

0:\Section\Permits\Flood Unit\Flood Permit Application

Revised: August 2011

EXHIBIT NO. 03

