



Los Angeles Regional Water Quality Control Board

June 23, 2017

Steve Myrter
City of Signal Hill
2175 Cherry Avenue
Signal Hill, CA 90755

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED
No. 7014 2870 0001 4613 6295

Dear Mr. Myrter:

RE: CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER
FOR THE LOS CERRITOS CHANNEL STORM WATER CAPTURE FACILITY
(4WQC40116166)

Enclosed please find a CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER, authorized by Los Angeles Regional Water Quality Control Board Executive Officer, Samuel Unger. This Order is issued to Steve Myrter, City of Signal Hill for Los Cerritos Channel Storm Water Capture Facility (Project). Attachments A through C of the Enclosure are also part of the Order.

This Order is issued in response to an application submitted by City of Signal Hill for proposed Project discharge to waters of the state, to ensure that the water quality standards for all waters of the state impacted by the Project are met. You may proceed with your Project according to the terms and conditions of the enclosed Order.

If you require further assistance, please contact me by phone at (213) 576-5733 or by email at Dana.Cole@waterboards.ca.gov. You may also contact LB Nye, Senior Environmental Scientist, by phone at (213) 576-6785 or by email at LB.Nye@waterboards.ca.gov.

Sincerely,

Dana Cole, P.G.
Section 401 Certification and Wetlands Unit
Los Angeles Water Quality Control Board

Enclosures (1): Order for Los Cerritos Channel Storm Water Capture Facility, File No. 16-166

cc: [Via email only] (w/ enclosure):

Dave Boggs
GHD Inc.
175 Technology Drive, Irvine, CA 92688

Bill Orme
CWA Section 401 WQC Program
Division of Water Quality
State Water Resources Control Board

Melissa Scianni
U.S. Environmental Protection Agency, Region 9

Victoria Tang
California Department of Fish and Wildlife
Streambed Alteration Team

Jessica Vargas
Army Corps of Engineers
Regulatory Branch, Los Angeles District

G. Mendel Stewart
Johnathan Snyder
U.S. Fish and Wildlife Service



Los Angeles Regional Water Quality Control Board

CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER

Effective Date: June 23, 2017

Program Type: Fill/Excavation

Reg. Meas. ID:	412310
Place ID:	833906
WDID:	4WQC40116166
NWP	43
USACOE#:	2016-00886-JMV
R4 File No	16-166

Project Type: Permanent Diversion Structures

Project: Los Cerritos Channel Storm Water Capture Facility (Project)

Applicant: City of Signal Hill

Applicant Contact: Steve Myrter
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Signal Hill, CA 90755
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Applicant's Agent: Dave Boggs
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Water Board Contact Person:

If you have any questions, please call Los Angeles Regional Water Quality Control Board (Los Angeles Water Board) Staff listed above or (213) 576-6600 and ask to speak with the Water Quality Certification and Wetlands Unit Program Manager.

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I. Order

This Clean Water Act (CWA) section 401 Water Quality Certification action and Order (Order) is issued at the request of The City of Signal Hill (herein after Permittee) for the Project. This Order is for the purpose described in the application submitted by the Permittee. The application was received on December 20, 2016. The application was deemed complete on June 13, 2017.

II. Public Notice

The Los Angeles Water Board provided public notice of the application pursuant to California Code of Regulations, title 23, section 3858 from January 13, 2017 to effective date of the Order. The Los Angeles Water Board did not receive any comments during the comment period.

III. Project Background and Purpose

The Los Cerritos Channel Sub-Basin 4 Storm Water Capture Facility construction project (Project) is intended to improve water quality of the Los Cerritos Channel, meet requirements for the Watershed Management Program and Total Maximum Daily Loads (TMDL), and abide by the Los Angeles County Municipal Separate Storm Sewer Systems (MS4) Permit; City of Long Beach MS4 Permit; and industrial stormwater permits through the installation and operation of a storm water management facility within the down-gradient extent of Sub-Basin 4 of the Los Cerritos Watershed.

Runoff from the cities of Long Beach and Signal Hill are regulated under the Los Angeles County MS4 Permit and the City of Long Beach MS4 Permit and runoff from the Long Beach Airport is regulated under industrial stormwater permits. In both cases, runoff must comply with receiving water limitations and applicable TMDL-related permit provisions.

The Los Cerritos Watershed is a largely urbanized watershed of approximately 17,711 acres located in southeastern Los Angeles County. The jurisdictions in the watershed include the cities of Bellflower, Cerritos, Downey, Lakewood, Long Beach, Paramount, and Signal Hill as well as unincorporated areas of Los Angeles County, a group known as the Los Cerritos Channel Watershed Group. On July 21, 2015, the Los Cerritos Channel Watershed final Watershed Management Program (WMP) was approved by the Los Angeles Water Board. The Los Cerritos Channel has been divided into 10 sub-basins based upon existing drainage patterns and facilities and this Project is located in Sub-Basin 4, which is approximately 2,270 acres.

The drainage area for this Project is approximately 1,925 acres and includes land from both the cities of Signal Hill and Long Beach, including the Long Beach Airport. Compliance with the WMP, TMDLs, the MS4 Permit and industrial stormwater permits will be achieved by capturing the 85th percentile storm volume and diverting that water from the receiving water system. Water will be diverted from Los Cerritos Channel to a subterranean groundwater infiltration basin and eventually augment the local water supply.

IV. Project Description

Los Angeles County Flood Control District (LACFCD) Project Number 9, Unit 3, Line D serves as the main drainage facility for the Los Cerritos Channel Sub-Basin 4 watershed. This channel is located in the vicinity of Lakewood Boulevard and Spring Street, and is a 40-foot wide by eight-foot high rectangular open channel. The available hydrological and hydraulic information provided by LACFCD indicates that the channel is sized to convey a 10-year storm of 2,098 cubic feet per second and the channel flows very close to full under these conditions.

Storm water flow will be diverted from the Sub-basin 4 Drainage Area prior to reaching the Los Cerritos Channel. The channel area to be used for the diversion facility is a short open concrete channel segment located just to the north of Spring Street and west of Lakewood Blvd adjacent to the southeast portion of the Long Beach Airport. The open channel segment is adjoined at both ends by an enclosed LACFCD Gravity Main. The channel diversion will consist of removing a portion of the existing channel and construction of a new channel section with a sloped bottom hydraulically sized to capture all the flows up to 166 cubic feet per second.

Flows in excess of diversion flow rate will continue to flow downstream in the channel. Adjacent to the channel, the diverted flow will be funneled through a 60-inch reinforced concrete pipe to two hydrodynamic separators that will remove trash, debris, and coarse sediments from the storm water. From the hydrodynamic separators, another pipe will convey the flow into the underground infiltration gallery. The infiltration gallery will cover up to 9.3 acres and will be up to 18 feet in height. The cover over the top of the infiltration gallery will be approximately ten feet. With the exception of a few surface access hatches, the site will be restored to its current condition after construction of the system. The facility will be designed and built to accommodate airplanes and building loads.

Permanent impacts to waters will include the permanent removal of a section of the concrete channel wall along the southern side of the channel to allow maintenance vehicle access to the channel. A vehicle access ramp will be constructed (outside of Waters of the US) to access the channel at the point of the permanent channel wall removal. On the northern side of the channel, a rectangular opening will be constructed in the channel wall to allow for storm water diversion. A protection barrier will be added within the channel surrounding the rectangular opening to prevent large trash and debris within the channel from entering and clogging the diversion structure. All permanent impacts will be within the footprint of the temporary impacts described below.

Temporary impacts to waters include removal and replacement of an approximate 100 foot length of the channel, wall and bottom, (roughly between stations 37+83.38 and 38+89.98). The channel, wall and bottom, will be removed and reconstructed with a sloped diversion invert constructed at approximately a three-foot lower elevation to direct water.

For construction, LACFCD has developed dry weather bypass requirements to ensure that an appropriate volume of the channel is maintained open to accommodate unanticipated dry season rain events. The LACFCD requires that at least a five percent bypass be maintained during the diversion. Storm water flow in the channel will be diverted longitudinally along a portion of the channel utilizing a K-rail system. The diversion has been designed with a with a maximum planned water height of 24 inches, which will require that at least eight feet of the channel cross section be maintained to meet the five percent bypass requirement for the storm water diversion during construction. K-rails will be 32 inches tall and a 10 foot channel cross section will be maintained during construction.

The Los Cerritos Channel Sub-Basin 4 Storm Water Capture Facility construction will occur between June 1, 2017 and August 31, 2017, during the LACFCD dry season to minimize impacts from working in the channel. This project will be maintained by the Cities of Signal Hill and Long Beach.

V. Project Location

Proposed project is located in the City of Long Beach, in Los Angeles County. The southwest portion of the drainage covers the Long Beach Airport, parts of the City of Long Beach, and the portion of the City of Signal Hill that drains to the Los Cerritos Channel. A map showing the Project location is found in Attachment B of this Order.

Latitude	Longitude
33.812881	-118.142367
33.812881	-118.140950
33.812881	-118.139542
33.813742	-118.139542
33.814650	-118.139542
33.814650	-118.141094
33.814650	-118.142367
33.813747	-118.142367

VI. Project Impact and Receiving Waters Information

The Project is located within the jurisdiction of Los Angeles Regional Water Quality Control Board. Receiving waters and groundwater potentially impacted by this Project are protected in accordance with the applicable water quality control plan (Basin Plan) for the region and other plans and policies which may be accessed online at:

http://www.waterboards.ca.gov/plans_policies/. The Basin Plan includes water quality standards, which consist of existing and potential beneficial uses of waters of the state, water quality objectives to protect those uses, and the state and federal antidegradation policies.

It is the policy of the State of California that every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes. This Order promotes that policy by requiring discharges to meet maximum contaminant levels designed to protect human health and ensure that water is safe for domestic use.

Receiving Water: Los Cerritos Channel
 (Hydrologic Unit Code: 180701060702)

Designated Beneficial Uses: MUN*,REC-1,REC-2, WARM, WILD
 *Conditional beneficial use

VII. Description of Direct Impacts to Waters of the State

Impacts are modifications to existing concrete structures.

Total Project fill/excavation quantities for all impacts are summarized in Table 1.

Table 1: Total Project Fill/Excavation Quantity		
		Permanent Impact

Table 1: Total Project Fill/Excavation Quantity				
Aquatic Resource Type	Temporary Impact¹		Degradation of Ecological Condition Only	
	Acres	LF	Acres	LF
Stream Channel	0.23	100	0.001	37

VIII. Compensatory Mitigation

No compensatory mitigation is required because project impacts are concrete-to-concrete and because the Project will improve the water quality of the Los Cerritos Channel.

IX. California Environmental Quality Act (CEQA)

On June 14, 2016, the City of Signal Hill , as lead agency, adopted an initial study/mitigated negative declaration (IS/MND) for the Project. The Los Angeles Water Board is a responsible agency under CEQA (Pub. Resources Code, § 21069) and in making its determinations and findings, must presume that City of Signal Hill adopted environmental document comports with the requirements of CEQA and is valid. The Los Angeles Water Board has reviewed and considered the environmental document and finds that the environmental document prepared by the City of Signal Hill addresses the Project’s water resource impacts. (Cal. Code Regs., tit. 14, § 15096, subd. (f).) The environmental document includes mitigation measures for the Project to reduce potential significant impacts. (Pub. Resources Code, § 21081.6, subd. (a)(1); Cal. Code Regs., tit. 14, § 15074, subd. (d).)

X. Petitions for Reconsideration

Any person aggrieved by this action may petition the State Water Board to reconsider this Order in accordance with California Code of Regulations, title 23, section 3867. A petition for reconsideration must be submitted in writing and received within 30 calendar days of the issuance of this Order.

XI. Fees Received

An application fee of \$200.00 was received on December 20, 2016. An additional fee of \$2,147 based on total Project impacts was received on June 19, 2017. The fee amount was determined as required by California Code of Regulations, title 23, sections 3833(b)(3) and 2200(a)(3), and was calculated as category A - Fill & Excavation Discharges (fee code 84) with the dredge and fill fee calculator.

XII. Conditions

The Los Angeles Water Board has independently reviewed the record of the Project to analyze impacts to water quality and designated beneficial uses within the watershed of the Project. In accordance with this Order, the Permittee may proceed with the Project under the following terms and conditions:

A. Authorization

Impacts to waters of the state shall not exceed quantities shown in Table 1.

¹ Includes only temporary direct impacts to waters of the state and does not include upland areas of temporary disturbance which could result in a discharge to waters of the state.

B. Reporting and Notification Requirements

The following section details the reporting and notification types and timing of submittals. Requirements for the content of these reporting and notification types are detailed in Attachment C, including specifications for photo and map documentation during the Project. Written reports and notifications must be submitted using the Reporting and Notification Cover Sheet located in Attachment C, which must be signed by the Permittee or an authorized representative.

1. Project Reporting

- a. **Annual Reporting:** The Permittee shall submit an Annual Report each year on the anniversary of effective date. Annual reporting shall continue until a Notice of Project Complete Letter is issued to the Permittee.

2. Project Status Notifications

- a. **Request for Notice of Completion of Discharges Letter:** The Permittee shall submit a Request for Notice of Completion of Discharges Letter following completion of active Project construction activities, including any required restoration and permittee-responsible mitigation. This request shall be submitted to the Los Angeles Water Board staff within thirty (30) days following completion of all Project construction activities. Upon acceptance of the request, Los Angeles Water Board staff shall issue a Notice of Completion of Discharges to the Permittee which will end the active discharge period and associated annual fees.
- b. **Request for Notice of Project Complete Letter:** The Permittee shall submit a Request for Notice of Project Complete Letter when construction and/or any post-construction monitoring is complete,² and no further Project activities will occur. This request shall be submitted to Los Angeles Water Board staff within thirty (30) days following completion of all Project activities. Upon approval of the request, the Los Angeles Water Board staff shall issue a Notice of Project Complete Letter to the Permittee which will end the post discharge monitoring period and associated annual fees.

3. **Conditional Notifications and Reports:** The following notifications and reports are required as appropriate.

- a. **Accidental Discharges of Hazardous Materials³**

² Completion of post-construction monitoring shall be determined by Los Angeles Water Board staff and shall be contingent on successful attainment of restoration and mitigation performance criteria.

³ "Hazardous material" means any material that, because of its quantity, concentration, or physical or chemical characteristics, poses a significant present or potential hazard to human health and safety or to the environment if released into the workplace or the environment. "Hazardous materials" include, but are not limited to, hazardous substances, hazardous waste, and any material that a handler or the administering agency has a reasonable basis for believing that it would be injurious to the health and safety of persons or harmful to the environment if released into the workplace or the environment. (Health & Saf. Code, § 25501.)

Following an accidental discharge of a reportable quantity of a hazardous material, sewage, or an unknown material, the following applies (Wat. Code, § 13271):

- i. As soon as (A) Permittee has knowledge of the discharge or noncompliance, (B) notification is possible, and (C) notification can be provided without substantially impeding cleanup or other emergency measures then:
 - first call – 911 (to notify local response agency)
 - then call – Office of Emergency Services (OES) State Warning Center at: (800) 852-7550 or (916) 845-8911
 - Lastly follow the required OES procedures as set forth in:
http://www.caloes.ca.gov/FireRescueSite/Documents/CalOES-Spill_Booklet_Feb2014_FINAL_BW_Acc.pdf
 - ii. Following notification to OES, the Permittee shall notify Los Angeles Water Board, as soon as practicable (ideally within 24 hours). Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.
 - iii. Within five (5) working days of notification to the Los Angeles Water Board, the Permittee must submit an Accidental Discharge of Hazardous Material Report.
- b. Violation of Compliance with Water Quality Standards:** The Permittee shall notify the Los Angeles Water Board of any event causing a violation of compliance with water quality standards. Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.
- i. Examples of noncompliance events include: lack of storm water treatment following a rain event, discharges causing a visible plume in a water of the state, and water contact with uncured concrete.
 - ii. This notification must be followed within three (3) working days by submission of a Violation of Compliance with Water Quality Standards Report.
- c. In-Water Work**
- i. The Permittee shall notify the Los Angeles Water Board at least forty-eight (48) hours prior to initiating work in water or stream diversions. Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.
 - ii. Within three (3) working days following completion of work in water or stream diversions, an In-Water Work/Diversions Water Quality Monitoring Report must be submitted to Los Angeles Water Board staff.
- d. Modifications to Project**
- Project modifications may require an amendment of this Order. The Permittee shall give advance notice to Los Angeles Water Board staff if Project implementation as described in the application materials is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority by submitting a Modifications to Project Report. The Permittee shall inform Los Angeles

Water Board staff of any Project modifications that will interfere with the Permittee's compliance with this Order. [Click here to enter text.](#)

- e. **Transfer of Property Ownership:** This Order is not transferable in its entirety or in part to any person or organization except after notice to the Los Angeles Water Board in accordance with the following terms:
 - i. The Permittee must notify the Los Angeles Water Board of any change in ownership or interest in ownership of the Project area by submitting a Transfer of Property Ownership Report. The Permittee and purchaser must sign and date the notification and provide such notification to the Los Angeles Water Board at least 10 days prior to the transfer of ownership. The purchaser must also submit a written request to the Los Angeles Water Board to be named as the permittee in a revised order.
 - ii. Until such time as this Order has been modified to name the purchaser as the permittee, the Permittee shall continue to be responsible for all requirements set forth in this Order.
- f. **Transfer of Long-Term Best Management Practices (BMP) Maintenance:** If maintenance responsibility for post-construction BMPs is legally transferred, the Permittee must submit to the Los Angeles Water Board a copy of such documentation and must provide the transferee with a copy of a long-term BMP maintenance plan that complies with manufacturer or designer specifications. The Permittee must provide such notification to the Los Angeles Water Board with a Transfer of Long-Term BMP Maintenance Report at least 10 days prior to the transfer of BMP maintenance responsibility.

C. Water Quality Monitoring

1. **General:** If surface water is present, continuous visual surface water monitoring shall be conducted to detect accidental discharge of construction related pollutants (e.g. oil and grease, turbidity plume, or uncured concrete).
2. **Accidental Discharges/Noncompliance:** Upon occurrence of an accidental discharge of hazardous materials or a violation of compliance with a water quality standard, Los Angeles Water Board staff may require water quality monitoring based on the discharge constituents and/or related water quality objectives and beneficial uses.
3. **In-Water Work or Diversions:**

During planned work in water or stream diversions any discharge(s) to waters of the state shall conform to the following water quality standards:

- a. **Oil and Grease.** Waters shall not contain oils, greases, waxes or other materials in concentrations that result in a visible film or coating on the surface of the water or on objects in the water, that cause nuisance, or that otherwise adversely affect beneficial uses.

- b. Dissolved Oxygen. At a minimum, the mean annual dissolved oxygen concentration of all waters shall be greater than 7 mg/L, and no single determination shall be less than 5.0 mg/L, except when natural conditions cause lesser concentrations.

The dissolved oxygen content of all surface waters designated as WARM shall not be depressed below 5 mg/L as a result of waste discharges.

- c. pH. The pH of inland surface waters shall not be depressed below 6.5 or raised above 8.5 as a result of waste discharges. Ambient pH levels shall not be changed more than 0.5 units from natural conditions as a result of waste discharge.
- d. Turbidity. Downstream TSS shall be maintained at ambient levels. Where natural turbidity is between 0 and 50 Nephelometric Turbidity Units (NTU), increases shall not exceed 20%. Where natural turbidity is greater than 50 NTU, increases shall not exceed 10%.

Sampling shall be conducted in accordance with Table 3 sampling parameters.⁴

Parameter	Unit of Measurement	Type of Sample	Minimum Frequency
Oil and Grease	N/A	Visual	Continuous
Dissolved Oxygen	mg/L & % saturation	Grab	Daily for the first week, weekly, thereafter
pH	Standard Units	Grab	Daily for the first week, weekly, thereafter
Turbidity	NTU	Grab	Daily for the first week, weekly, thereafter
Temperature	°F (or as °C)	Grab	Daily for the first week, weekly, thereafter

- 4. **Post-Construction:** Visually inspect the Project site during the rainy season for two years to ensure excessive erosion, stream instability, or other water quality pollution is not occurring in or downstream of the Project site. If water quality pollution is occurring, contact the Los Angeles Water Board staff member overseeing the Project within three (3) working days. The Los Angeles Water Board may require the submission of a Violation of Compliance with Water Quality Standards Report. Additional permits may be required to carry out any necessary site remediation.

D. Standard

⁴ Pollutants shall be analyzed using the analytical methods described in 40 Code of Federal Regulations Part 136; where no methods are specified for a given pollutant, the method shall be approved by Los Angeles Water Board staff. Grab samples shall be taken between the surface and mid-depth and not be collected at the same time each day to get a complete representation of variations in the receiving water. A hand-held field meter may be used, provided the meter utilizes a U.S. EPA-approved algorithm/method and is calibrated and maintained in accordance with the manufacturer’s instructions. A calibration and maintenance log for each meter used for monitoring shall be maintained onsite.

1. This Order is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Water Code section 13330, and California Code of Regulations, title 23, chapter 28, Article 6 commencing with sections 3867-3869, inclusive. Additionally, the Los Angeles Water Board reserves the right to suspend, cancel, or modify and reissue this Order, after providing notice to the Permittee, if the Los Angeles Water Board determines that: the Project fails to comply with any of the conditions of this Order; or, when necessary to implement any new or revised water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act (Wat. Code, § 13000 et seq.) or federal Clean Water Act section 303 (33 U.S.C. § 1313). For purposes of Clean Water Act section 401(d), the condition constitutes a limitation necessary to assure compliance with water quality standards and appropriate requirements of state law.
2. This Order is not intended and shall not be construed to apply to any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license, unless the pertinent certification application was filed pursuant to subsection 3855(b) of chapter 28, title 23 of the California Code of Regulations, and that application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. This Order is conditioned upon total payment of any fee required under title 23 of the California Code of Regulations and owed by the Permittee.
4. In the event of any violation or threatened violation of the conditions of this Order, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under state and federal law. For purposes of Clean Water Act, section 401(d), the applicability of any state law authorizing remedies, penalties, processes, or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Order.

E. General Compliance

1. Failure to comply with any condition of this Order shall constitute a violation of the Porter-Cologne Water Quality Control Act and the Clean Water Act. The Permittee and/or discharger may then be subject to administrative and/or civil liability pursuant to Water Code section 13385.
2. Permitted actions must not cause a violation of any applicable water quality standards, including impairment of designated beneficial uses for receiving waters as adopted in the Basin Plans by any applicable Los Angeles Water Board or any applicable State Water Board (collectively Water Boards) water quality control plan or policy. The source of any such discharge must be eliminated as soon as practicable.
3. In response to a suspected violation of any condition of this Order, the Los Angeles Water Board may require the holder of this Order to furnish, under penalty of perjury, any technical or monitoring reports the Water Boards deem appropriate, provide that the burden, including costs, of the reports shall bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports. The additional monitoring requirements ensure that permitted discharges and activities comport with any applicable

effluent limitations, water quality standards, and/or other appropriate requirement of state law.

4. The Permittee must, at all times, fully comply with engineering plans, specifications, and technical reports submitted to support this Order; and all subsequent submittals required as part of this Order. The conditions within this Order and Attachments supersede conflicting provisions within Permittee submittals.
5. This Order and all of its conditions contained herein continue to have full force and effect regardless of the expiration or revocation of any federal license or permit issued for the Project. For purposes of Clean Water Act, section 401(d), this condition constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements of state law.

F. Administrative

1. Signatory requirements for all document submittals required by this Order are presented in Attachment A of this Order.
2. This Order does not authorize any act which results in the taking of a threatened, endangered or candidate species or any act, which is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish & G. Code, §§ 2050-2097) or the federal Endangered Species Act (16 U.S.C. §§ 1531-1544). If a "take" will result from any act authorized under this Order held by the Permittee, the Permittee must obtain authorization for the take prior to any construction or operation of the portion of the Project that may result in a take. The Permittee is responsible for meeting all requirements of the applicable endangered species act for the Project authorized under this Order.
3. The Permittee shall grant Los Angeles Water Board staff, or an authorized representative (including an authorized contractor acting as a Water Board representative), upon presentation of credentials and other documents as may be required by law, permission to:
 - a. Enter upon the Project or compensatory mitigation site(s) premises where a regulated facility or activity is located or conducted, or where records are kept.
 - b. Have access to and copy any records that are kept and are relevant to the Project or the requirements of this Order.
 - c. Inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order.
 - d. Sample or monitor for the purposes of assuring Order compliance.
4. A copy of this Order shall be provided to any consultants, contractors, and subcontractors working on the Project. Copies of this Order shall remain at the Project site for the duration of this Order. The Permittee shall be responsible for work conducted by its consultants, contractors, and any subcontractors.

5. A copy of this Order must be available at the Project site(s) during construction for review by site personnel and agencies. All personnel performing work on the Project shall be familiar with the content of this Order and its posted location at the Project site.
6. Lake and Streambed Alteration Agreement – The Permittee shall submit a signed copy of the Department of Fish and Wildlife’s lake and streambed alteration agreement to the Los Angeles Water Board immediately upon execution and prior to any discharge to waters of the state.

G. Best Management Practices

1. **The applicant has proposed to implement several Best Management Practices (BMPs), including but not limited to the following:**

Erosion Control BMPs

- Scheduling: The project has been scheduled in order to eliminate or limit the likelihood of surface water flow in the Los Cerritos Channel. The project construction has been scheduled for the dry season (June – August) in order to limit exposure to surface water flow and rainfall.
- Earth Dikes and Drainage Swales: Berms that are used as flow control shall be implemented in a manner that accounts for the current flow rate.
- Slope Stabilization: During construction activities, erosion control measures such as soil binders, geotextiles and mats, or hydraulic mulch shall be utilized to stabilize slopes and prevent sediment from entering the channel.

Sediment Control BMPs

- Silt Fence: Use of woven geotextile fabric to contain soils and/or sediment shall be utilized within work areas to reduce sediment movement.
- Gravel Bag Berm / Fiber Rolls: Use of gravel bag berms and/or fiber rolls shall be implemented to control sheet-flow and sediment transport.
- Soil Binders: Use of water and/or sediment binder shall be applied to ground surface to protect disturbed soil/sediment from migration

Material Management BMPs

- Work Zone Delineation: Refueling of vehicles and equipment within Los Cerritos Channel is prohibited. Equipment and machinery shall be fueled outside the channel. Maintenance shall occur outside the channel.
- Spill Prevention and Control: The project shall utilize a procedure for cleanup of spills of various sizes.

- Waste Management: Properly labeled bins will be placed outside the channel for waste storage. Bins will be closed when not in use to limit exposure to elements.
- Soil Management: Project will stockpile disturbed soil outside the channel. Contaminated soil shall be evaluated and removed for off-site disposal.

2. Storm Water

The project shall comply with the local regulations associated with the Regional Board's Municipal Stormwater Permit issued to Los Angeles County and co-permittees under NPDES No. CAS004001 and Waste Discharge Requirements Order No. R4-2012-0175 and the Municipal Stormwater Permit issued to the City of Long Beach, under NPDES No. CAS004003 and Waste Discharge Requirements Order No. R4-2014-0024. The project shall also comply with all requirements of the National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction Activity, Order No. 2012-0011-DWQ. All stormwater treatment systems shall be located outside of any water of the State and shall not be used as a wetland or riparian mitigation credit.

H. Mitigation for Temporary Impacts

1. The Permittee shall restore all areas of temporary impacts to waters of the state.

XIII. Water Quality Certification

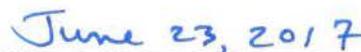
I hereby issue the Order for the Los Cerritos Channel Sub-Basin 4, Storm Water Capture Facility, 4WQC40116166, certifying that as long as all of the conditions listed in this Order are met, any discharge from the referenced Project will comply with the applicable provisions of Clean Water Act sections 301 (Effluent Limitations), 302 (Water Quality Related Effluent Limitations), 303 (Water Quality Standards and Implementation Plans), 306 (National Standards of Performance), and 307 (Toxic and Pretreatment Effluent Standards).

This discharge is also regulated pursuant to State Water Board Water Quality Order No. 2003-0017-DWQ which authorizes this Order to serve as Waste Discharge Requirements pursuant to the Porter-Cologne Water Quality Control Act (Wat. Code, § 13000 et seq.).

Except insofar as may be modified by any preceding conditions, all Order actions are contingent on: (a) the discharge being limited and all proposed mitigation being completed in strict compliance with the conditions of this Order and the attachments to this Order; and, (b) compliance with all applicable requirements of Statewide Water Quality Control Plans and Policies, the Regional Water Boards' Water Quality Control Plans and Policies.



Samuel Unger, PE
Executive Officer
Los Angeles Water Quality Control Board


Date

- Attachment A** Signatory Requirements
- Attachment B** Map
- Attachment C** Report and Notification Requirements

ATTACHMENT A

SIGNATORY REQUIREMENTS

*All Documents Submitted In Compliance With This Order
Shall Meet The Following Signatory Requirements:*

1. All applications, reports, or information submitted to the Los Angeles Water Quality Control Board (Los Angeles Water Board) must be signed and certified as follows:
 - a) For a corporation, by a responsible corporate officer of at least the level of vice-president.
 - b) For a partnership or sole proprietorship, by a general partner or proprietor, respectively.
 - c) For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.
2. A duly authorized representative of a person designated in items 1.a through 1.c above may sign documents if:
 - a) The authorization is made in writing by a person described in items 1.a through 1.c above.
 - b) The authorization specifies either an individual or position having responsibility for the overall operation of the regulated activity.
 - c) The written authorization is submitted to the State Water Board Staff Contact prior to submitting any documents listed in item 1 above.
3. Any person signing a document under this section shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

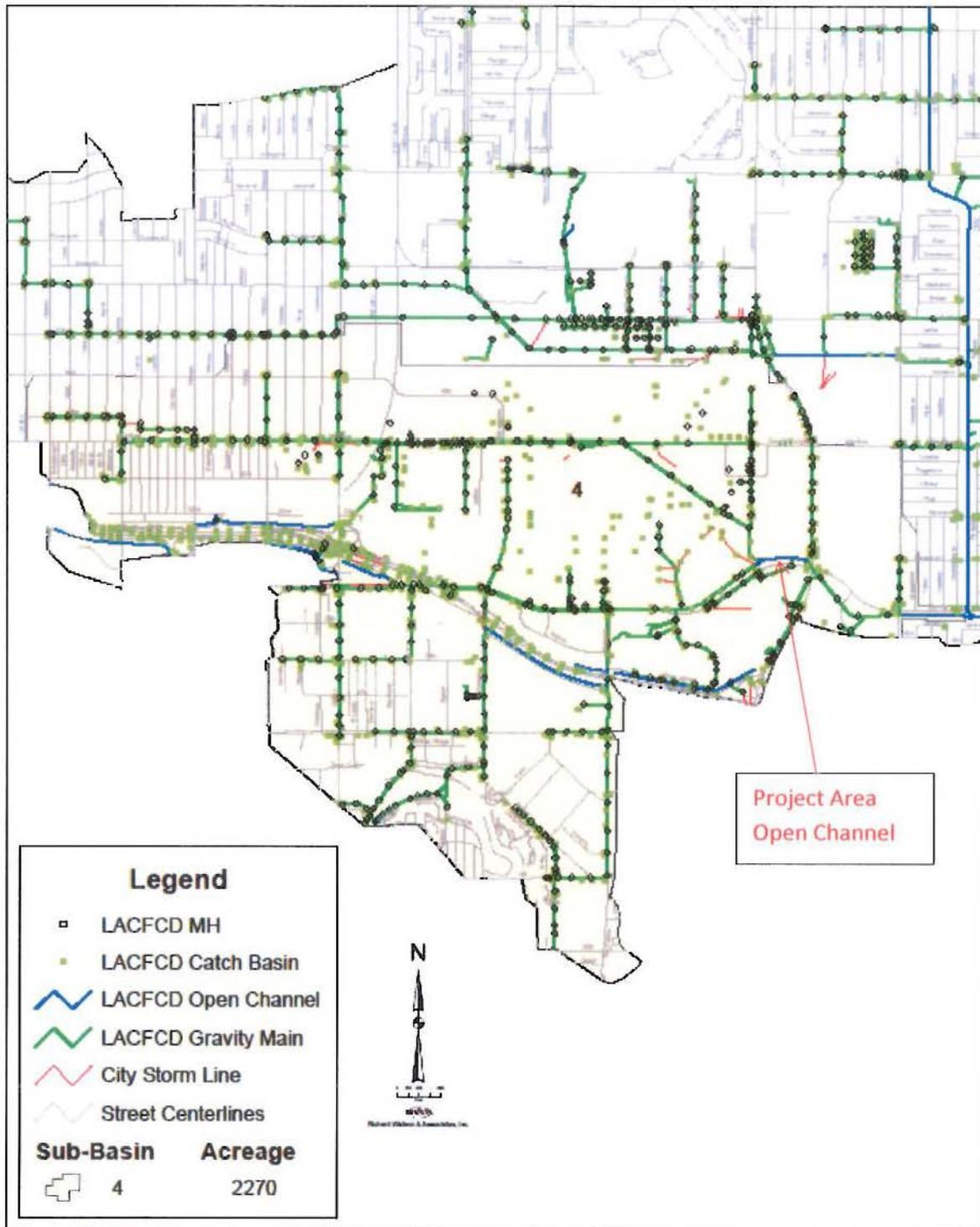
Attachment B

Project Location



Los Cerritos Channel Watershed

Los Cerritos Channel TMDL Sub-Basin 4



Legend

- LACFCD MH
- LACFCD Catch Basin
- LACFCD Open Channel
- LACFCD Gravity Main
- City Storm Line
- Street Centerlines

Sub-Basin	Acreage
4	2270

Prepared by: ECKERSALL, LLC

Date: 1/13/2014

ATTACHMENT C**REPORTING REQUIREMENTS****Copies of this Form**

In order to identify your project, it is necessary to include a copy of the Project specific Cover Sheet below with your report: please retain for your records

Report Submittal Instructions

1. Check the box on the Report and Notification Cover Sheet next to the report or notification you are submitting.
 - **Part A (Annual Report):** This report will be submitted annually from the anniversary of Project effective date until a Notice of Project Complete Letter is issued.
 - **Part B (Project Status Notifications):** Used to notify the Los Angeles Water Board of the status of the Project schedule that may affect Project billing.
 - **Part C (Conditional Notifications and Reports):** Required on a case by case basis for accidental discharges of hazardous materials, violation of compliance with water quality standards, notification of in-water work, or other reports.
2. Sign the Report and Notification Cover Sheet and attach all information requested for the Report Type.
3. **Electronic Report Submittal Instructions:**
 - Submit signed Report and Notification Cover Sheet and required information via email to: Dana.Cole@waterboards.ca.gov
 - Include in the subject line of the email:
Subject: ATTN: Dana Cole; File No: 16-166, Reg. Measure ID: 412310_Report

Definition of Reporting Terms

1. **Active Discharge Period:** The active discharge period begins with the effective date of this Order and ends on the date that the Permittee receives a Notice of Completion of Discharges Letter or, if no post-construction monitoring is required, a Notice of Project Complete Letter. The Active Discharge Period includes all elements of the Project including site construction and restoration, and any Permittee responsible compensatory mitigation construction.
2. **Request for Notice of Completion of Discharges Letter:** This request by the Permittee to the Los Angeles Water Board staff pertains to projects that have post construction monitoring requirements, e.g. if site restoration was required to be monitored for 5 years following construction. Los Angeles Water Board staff will review the request and send a Completion of Discharges Letter to the Permittee upon

approval. This letter will initiate the post-discharge monitoring period and a change in fees from the annual active discharge fee to the annual post-discharge monitoring fee.

3. **Request for Notice of Project Complete Letter:** This request by the Permittee to the Los Angeles Water Board staff pertains to projects that either have completed post-construction monitoring and achieved performance standards or have no post-construction monitoring requirements, and no further Project Complete activities are planned. Los Angeles Water Board staff will review the request and send a Project Complete Letter to the Permittee upon approval. Termination of annual invoicing of fees will correspond with the date of this letter.
4. **Post-Discharge Monitoring Period:** The post-discharge monitoring period begins on the date of the Notice of Completion of Discharges Letter and ends on the date of the Notice of Project Complete Letter issued by the Los Angeles Water Board staff. The Post-Discharge Monitoring Period includes continued water quality monitoring or compensatory mitigation monitoring.
5. **Effective Date:** Date of Order issuance.

Map/Photo Documentation Information

When submitting maps or photos, please use the following formats.

1. **Map Format Information:**

Preferred map formats of at least 1:24000 (1" = 2000') detail (listed in order of preference):

- **GIS shapefiles:** The shapefiles must depict the boundaries of all project areas and extent of aquatic resources impacted. Each shape should be attributed with the extent/type of aquatic resources impacted. Features and boundaries should be accurate to within 33 feet (10 meters). Identify datum/projection used and if possible, provide map with a North American Datum of 1983 (NAD38) in the California Teale Albers projection in feet.
 - **Google KML files** saved from Google Maps: My Maps or Google Earth Pro. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. Include URL(s) of maps. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.
 - **Other electronic format** (CAD or illustration format) that provides a context for location (inclusion of landmarks, known structures, geographic coordinates, or USGS DRG or DOQQ). Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.
 - Aquatic resource maps marked on paper **USGS 7.5 minute topographic maps** or **Digital Orthophoto Quarter Quads (DOQQ)** printouts. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.
2. **Photo-Documentation:** Include a unique identifier, date stamp, written description of photo details, and latitude/longitude (in decimal degrees) or map indicating location of photo. Successive photos should be taken from the same vantage point to compare pre/post construction conditions.

REPORT AND NOTIFICATION COVER SHEET

Project: Los Cerritos Channel Storm Water Capture Facility

Permittee: City of Signal Hill; Steve Mryter, Director of Public Works

Reg. Meas. ID: 412310

Place ID: 833906

File No: 16-166

Report Type Submitted

Part A – Project Reporting

Report Type **Annual Report**

Part B - Project Status Notifications

Report Type **Commencement of Construction**

Report Type **Request for Notice of Completion of Discharges Letter**

Report Type **Request for Notice of Project Complete Letter**

Part C - Conditional Notifications and Reports

Report Type **Accidental Discharge of Hazardous Material Report**

Report Type **Violation of Compliance with Water Quality Standards Report**

Report Type **In-Water Work/Diversions Water Quality Monitoring Report**

Report Type **Modifications to Project Report**

Report Type **Transfer of Property Ownership Report**

Report Type **Transfer of Long-Term BMP Maintenance Report**

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Print Name ¹

Affiliation and Job Title

Signature

Date

¹STATEMENT OF AUTHORIZATION (include if authorization has changed since application was submitted)

I hereby authorize _____ to act in my behalf as my representative in the submittal of this report, and to furnish upon request, supplemental information in support of this submittal.

Permittee's Signature

Date

***This Report and Notification Cover Sheet must be signed by the Permittee or a duly authorized representative and included with all written submittals.**

Part A – Project Reporting

Other Public Agency Approvals

Submittal of US Army Corps of Engineers Permit

When to Submit

Prior to any activity within waters.

Submittal of California Department of Fish and Wildlife Streambed Alteration Agreement or California Coastal Development Permit (or Waivers)

When to Submit

Prior to any activity within waters.

Annual Report

Report Purpose

Notify the Los Angeles Water Board staff of Project status during both the active discharge and post-discharge monitoring periods.

When to Submit

Annual reports shall be submitted each year on the anniversary of Project effective date. Annual reports shall continue until a Notice of Project Complete Letter is issued to the Permittee.

Report Contents

The contents of the annual report shall include the topics indicated below for each project period. Report contents are outlined in Annual Report Topics below.

Construction Summary

When to Submit

With the annual report during the Active Discharge Period.

Report Contents

1. Project progress and schedule including initial ground disturbance, site clearing and grubbing, road construction, site construction, and the implementation status of construction storm water best management practices (BMPs). If construction has not started, provide estimated start date and reasons for delay.
2. Map showing general Project progress.
3. Summary of Conditional Notifications and Reports, if applicable.

Part B – Project Status Notifications
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<u>Commencement of Construction</u>	
Report Purpose	Notify Los Angeles Water Board staff prior to the start of construction.
When to Submit	Must be received at least seven (7) days prior to start of initial ground disturbance activities.
Report Contents	<ol style="list-style-type: none"> 1. Date of commencement of construction. 2. Anticipated date when discharges to waters of the state will occur. 3. Project schedule milestones including a schedule for onsite compensatory mitigation, if applicable.

<u>Request for Notice of Completion of Discharges Letter</u>	
Report Purpose	Notify Los Angeles Water Board staff that post-construction monitoring is required and that active Project construction, including any mitigation and permittee responsible compensatory mitigation, is complete.
When to Submit	Must be received by Los Angeles Water Board staff within thirty (30) days following completion of all Project construction activities.
Report Contents	<ol style="list-style-type: none"> 1. Status of storm water Notice of Termination(s), if applicable. 2. Status of post-construction storm water BMP installation. 3. Pre- and post-photo documentation of all Project activity sites where the discharge of dredge and/or fill/excavation was authorized. 4. Summary of Certification Deviation discharge quantities compared to initial authorized impacts to waters of the state, if applicable.

<u>Request for Notice of Project Complete Letter</u>	
Report Purpose	Notify Los Angeles Water Board staff that construction or any post-construction monitoring is complete, or is not required, and that no further Project activity is planned.
When to Submit	Must be received by Los Angeles Water Board staff within thirty (30) days following completion of all Project activities.

Part C – Conditional Notifications and Reports

Accidental Discharge of Hazardous Material Report

Report Purpose	Notifies Los Angeles Water Board staff that an accidental discharge of hazardous material has occurred.
When to Submit	Within five (5) working days following the date of an accidental discharge. Continue reporting as required by Los Angeles Water Board staff.
Report Contents	<ol style="list-style-type: none"> 1. The report shall include the OES Incident/Assessment Form, a full description and map of the accidental discharge incident (i.e. location, time and date, source, discharge constituent and quantity, aerial extent, and photo documentation). If applicable, the OES Written Follow-Up Report may be substituted. 2. If applicable, any required sampling data, a full description of the sampling methods including frequency/dates and times of sampling, equipment, locations of sampling sites. 3. Locations and construction specifications of any barriers, including silt curtains or diverting structures, and any associated trenching or anchoring.

Violation of Compliance with Water Quality Standards Report

Report Purpose	Notifies Los Angeles Water Board staff that a violation of compliance with water quality standards has occurred.
When to Submit	The Permittee shall report any event that causes a violation of water quality standards within three (3) working days of the noncompliance event notification to Los Angeles Water Board staff.
Report Contents	The report shall include: the cause; the location shown on a map; and the period of the noncompliance including exact dates and times. If the noncompliance has not been corrected, include: the anticipated time it is expected to continue; the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance; and any monitoring results if required by Los Angeles Water Board staff.

In-Water Work and Diversions Water Quality Monitoring Report

Report Purpose	Notifies Los Angeles Water Board staff of the completion of in-water work.
When to Submit	Within three (3) working days following the completion of in-water work. Continue reporting in accordance with the approved water quality monitoring plan.
Report Contents	As required by the approved water quality monitoring plan.

<u>Modifications to Project Report</u>	
Report Purpose	Notifies Los Angeles Water Board staff if the Project, as described in the application materials, is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority.
When to Submit	If Project implementation as described in the application materials is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority.
Report Contents	A description and location of any alterations to Project implementation. Identification of any Project modifications that will interfere with the Permittee's compliance with the Order.

<u>Transfer of Property Ownership Report</u>	
Report Purpose	Notifies Los Angeles Water Board staff of change in ownership of the Project or Permittee-responsible mitigation area.
When to Submit	At least 10 working days prior to the transfer of ownership.
Report Contents	<ol style="list-style-type: none"> 1. A statement that the Permittee has provided the purchaser with a copy of this Order and that the purchaser understands and accepts: <ol style="list-style-type: none"> a. The Order's requirements and the obligation to implement them or be subject to administrative and/or civil liability for failure to do so; and b. The responsibility for compliance with any long-term BMP maintenance plan requirements in this Order, if applicable. 2. A statement that the Permittee has informed the purchaser to submit a written request to the Los Angeles Water Board to be named as the permittee in a revised order.