Addendum No. 2 **September 7, 2021**

Project: San Fernando Regional Park Infiltration Project

Numbering for questions below continues from Addendum #1.

Question #2: What are the insurance requirements for this project?

Answer #2*: Section 5-4 of the Special Provisions shall be considered as updated with the following insurance requirements:*

The Contractor agrees to indemnify, defend, and hold harmless the Agency and all if its officers and agents from any claims, demand, or causes of action, including related expenses, attorney's fees, and costs, based on, arising out of, or in any way related to the work undertaken by Contractor hereunder. The liability insurance coverage values shall be:

Insurance Coverage Requirements Limit Requirements

Comprehensive General Liability and Product/Completed Operations Hazard	*$3,000,000*
Comprehensive Automobile Liability	*$2,000,000*
Contractual General Liability	*$2,000,000*
Worker's Compensation	*Statute*

A combined single-limit policy with aggregated limits in the amount of $5,000,000 will be considered equivalent to the required minimum limits.

The issuer shall be an "admitted surety insurer" duly authorized to transact business under the laws of the State of California.

Acceptable insurance coverage shall be placed with the carriers admitted to write insurance in California or carriers with a rating of or equivalent to A:VIII by A.M. Best & Co. Any deviation from this rule shall require specific approval, in writing, from the Agency.

Insurance shall name the City of San Fernando, its officers, agents, and employees, including volunteers, as additional insured by endorsement of the Contractor's policy. A copy of the endorsement, showing policy limits, shall be provided to the City on or before signing this contract.

The Contractor shall also meet insurance requirements specified in the Los Angeles County Connection Permit.

Question #3: Is freeboard required in addition to the 9.25 ac-ft storage capacity for the infiltration system? If yes, what is the freeboard height requirement (ie 12")?

Answer #3: Dedicated freeboard is not required. The system can store water to the soffit.

Question #4: Can the infiltration system be shorter or taller than 7.5-ft inside height? If yes, what are the minimum and maximum allowable inside heights?

Answer #4: The system can be taller than 7.5-ft inside height if the minimum footprint and minimum volume capacity are satisfied. The system cannot be shorter than 7.5-ft inside height.

Question #5: Can you please provide the Geotechnical Engineering Report per S-11, section 3-9 of the specifications?

Answer #5: Geotechnical reports are included in Attachment D of the Specifications/Bid Documents for reference (starting on PDF page 292).

Question #6: Does the required 9.25 AF storage capacity need to be achieved within the stormwater infiltration tank only, OR, can volume be counted in the aggregate surrounding the stormwater infiltration basin? If the ladder, please advise on the allowable porosity of the surrounding aggregate.

Answer #6: Volume in the aggregate surrounding the stormwater infiltration system can be accounted for to meet the 9.25 AF storage capacity identified. An allowable porosity of 30% may be used in volume calculations.

Question #7: Assuming all performance specifications are met, can a double stacked infiltration basin be utilized as opposed to a single stacked basin on a concrete cast in place foundation.

Answer #7: Yes, see response to question #4 above.

Question #8: Assuming the performance specification is met, please confirm StormTrap SiteSaver is considered an 'approved equal' for the hydrodynamic separators.

Answer #8: Pretreatment devices that meet the performance specifications will be considered an 'approved equal'.

Question #9: Section SWT2 states that screen and support structures shall be manufactured of Type 316 and 316L stainless steel. Would Marine Grade Aluminum (T5052) be an acceptable alternate to 316 or 316L stainless steel for the support structures?

Answer #9: Type 316 and 316L stainless steel is required for the screen and support structure as indicated in the specifications.

Question #10: Section SWT2-2.1-2 states that the SWTD shall be capable of capturing and retaining 100 percent of pollutants greater than or equal to 2.4 millimeters. The standard that CSWRCB requires for a trash capture system is to capture and retain all particles 5 mm or greater. Would a CSWRCB certified device be acceptable? Below is the link that includes the CSWRCB Full Capture System definition and approved devices as of July 2021. https://www.waterboards.ca.gov/water_issues/programs/stormwater/docs/trash_implementation/2fcslist.pdf.

Answer #10: *The pretreatment device shall be capable of capturing and retaining 100 percent of pollutants greater than or equal to 2.4 millimeters.*

Question #11: Section SWT2-2.2 states the SWTD shall provide a rated-treatment capacity, which is consistent with governing water treatment regulations. At its **rated-treatment capacity** the device shall be capable of achieving 80 percent removal efficiency for particle distributions having a mean particle size (d50) or 125 microns. This conflicts with section SWT2-2.1.1 which states that it shall be sized based on an average annual reduction. These are two different methodologies. Please state which one should be utilized.

Answer #11: *Item 1 under SWT2-2.1 shall be removed from the contract document.*

Question #12: Section SWT2-2.4.1 states that the performance of the unit should be third-party verified, and removal efficiencies across the spectrum of particle size reported, at a range of hydraulic loading rates varying over a range of at least 25 to 125 percent of the manufacturer's advertised "water treatment" loading rate. Does this requirement of third-party verification pertain to sediment removal only or does this requirement pertain to trash and hydrocarbon removal as well? Note: currently there is no program that verifies device based on the requirements that are listed i.e. 80% of 125 micron.

Answer #12: *The device shall have been tested to meet the above parameters, and testing methodology shall be submitted for review. Third party testing shall pertain to sediment removal only.*

Question #13: Section SWT3-3 states that the SWTD shall have completed field testing following TARP Tier II protocol requirements. TARP Tier II has not been an active protocol for a significant period of time. Additionally, the treatment (80% removal at 125 micron) does not line up with the testing requirements that TARP specified. Consider removing TARP Tier II as a requirement.

Answer #13: *TARP Tier II requirements are removed from the Specifications.*

Question #14: Please provide more data on the following 217 & 217-3 as this reference cannot be found on the plans or specifications.

- Specifications Section 306-6 Bedding, suggests "Bedding material shall conform to 217 and requirements indicated on the Plans."
- Specifications Section SWI3-2 Installation Para 8)b. Backfill along the sides of the chambers shall be structure backfill in accordance with the Manufacturer's recommendations, per the Reference Plans and 217-3
- As a result, please clarify what type of material is required for the call out "structure backfill."

***Answer #14**: Reference to Section 217 and 217-3 is reference to the Greenbook (Standard Specifications for Public Works Construction). Structure backfill refers to the "Structure Backfill" defined in Greenbook Section 217-3, while the material adjacent to the infiltration system shall also meet the manufacturer's recommendations. See additional response below (question #15) regarding backfill near infiltration system.*

Question #15: We recognize that on plan sheet 15 of 46, C-14 the detail or "Zone Chart" shows Zones 1, 2, & 3. Zone 1 is clear ¾" crushed rock. Zone 2 is "in accordance with manufacturer's recommendation" which may be open to interpretation. Zone 3 is also up to interpretation but does not allow to exceed 120 pcf.

Jensen Precast has precast designed products which can easily allow for us to exceed the 120 PCF requirement up to and including the maximum 139 PCF per the soils report and can provide calculations to support these claims if successful in the bid.

- As a result, we are requesting an allowance to utilize "Native Backfill" in lieu of Zone 2 & 3. Please confirm the use of native soil is acceptable for use in Zone 2 and 3 provided our calculations will support the native soil conditions.

***Answer #15**: The contractor will need to submit calculations to ensure that the proposed substructure can sustain the surcharge loads of the native soil.*

Question #16: See attached RFI (request to modify SWS specification).

***Answer #16**: See additional changes below related to the stormwater infiltration system specifications.*

Question #17: Please confirm that proposed new AC section is 4.5" thick (3" of AC Base over 1.5" of HRMA).

***Answer #17**: The AC section is 4.5" thick AC plus 1.5" of AHRM, creating a 6" section over the 7" base identified on the Plans.*

Question #18: Please provide graphic and content for the interpretive sign.

***Answer #18**: The City will provide graphic and content for the interpretive sign at a later date. The contractor shall assume a high-resolution color graphic.*

Question #19: Can the subsurface infiltration system be cast-in-place in lieu of precast system?

Answer #19: A cast-in-place alternative that meets the specifications (strength, loading, capacity, schedule, etc.) could be used as an approved alternative once it undergoes required reviews. Documentation will be required to demonstrate the cast-in-place design is equal or better.

Question #20: Can grass seeding be used in lieu of sodding?

Answer #20: Sod is required for the project.

Question #21: Sheet 16 of 46, foundation detail, please confirm only control joint will be required.

Answer #21: Sheet 16 is for reference only. The Contractor shall submit detailed storage system and foundation drawings for approval. Expansion joints shall be placed every 48 feet minimum.

Question #22: Section 2-2.1 of the specifications calls for the contractor to obtain and pay for the LACPW permit, what is the fee to obtain this permit?

Answer #22: The permit fee for LACPW permit is $10,138. Please see Attachment 2.

Question #23: Does the City have additional sites to stockpile dirt?

Answer #23: The Contractor can use the project area to stockpile material (it does not need to be confined to the areas called out for stockpiles on the Erosion Control Plans, Sheets 35-39). If additional areas are required, then the Contractor would be responsible for storage/operations necessary to complete the Work. The City does not have additional offsite areas for stockpiling. The Contractor shall update any Erosion Control Plans to reflect the revised staging area.

Question #24: Sheet 11 of 46, 18" RCP from Sta. 52+64 to 54+19 runs between existing block wall and existing curb, will block wall footing and street light foundation interfere with RCP alignment? Will sidewalk restoration in this area be paid under bid item 27 concrete sidewalk restoration?

Answer #24: The distance between the block wall foundation and the street light foundation is 5 feet and 4 inches. The Contractor shall restore surface conditions to pre-Project conditions or better following pipe installation. The Contractor shall protect existing infrastructure such as the block wall/footing and street light foundation during construction. Surface restoration and other work necessary to install the pipe complete in place shall be paid under Bid Item 10, as indicated in Specifications/Special Provisions Section 306-15.

Question #25: Sheet 4 to 8 of 46, there is an existing 18" VCP sewer line that runs parallel to proposed 18" RCP. Are all existing sewer laterals and existing 18" VCP sewer line at a lower elevation than the proposed 18" RCP?

***Answer #25**: The Contractor is responsible for identifying utilities within the Project area and utility crossings are to be supported across pipe trenches as necessary as indicated on the Plans. Revised plan and profile sheets, which identify the projected alignment and connections of the existing sewer, will be included as an attachment in Addendum #3, scheduled to be released by September 10th. The lateral connections are based on the City's Geographic Information System (GIS) data and are to be field verified prior to construction.*

Question #26: Geotechnical Report, section 4.2.4 pipe bedding and 4.2.5 fill materials and placement recommends a sand EQ of 30 for bedding and backfill and native soil can be used. Sheet 18 of 46, detail 1 notes 6 to 11 native soil can only be used only with an approval from the City Engineer. For bidding purposes will native soil be allowed to be used for bedding and backfill?

***Answer #26**: Pipe bedding materials shall have a sand equivalent greater than 30. The soils encountered onsite are anticipated to be suitable as pipe bedding materials, provided they are screened and oversized particles are removed. Onsite stockpiled materials shall be tested for conformance with the sand equivalent requirements set forth by the pipe manufacturer. All fill materials shall be inorganic soils free of vegetation, debris, and fragments larger than three (3) inches in size. The onsite materials are considered suitable for use as trench backfill provided they are screened of large particles with dimensions larger than three (3) inches. Imported soils for use as fill material over the proposed pipes shall conform to low volume change materials as specified below and in Section 217 of the Greenbook and any associated provisions included in the Contract Documents.*

Gradation	*Percent Finer by Weight (ASTM C 136)*
3"	*100*
No. 4 Sieve	*50-100*
No. 200 Sieve	*10-50*
Liquid Limit:	*20 (max)*
Plasticity Index:	*10 (max)*
Maximum expansive index (ASTM D 4829)	*20 (max)*

Question #27: Please provide as-built plan for sewer system at the park.

***Answer #27**: As-builts are not available for the sewer system at the park. CCTV footage is available and was used to identify existing conditions as shown on the Plans. The Contractor will need to field verify existing conditions.*

Question #28: Can road be closed to through traffic?

Answer #28: Each block can be closed to through traffic if local access is provided to all residents and businesses at all times.

Question #29: Sheet 11 of 46 at Sta. 52+64, can the alignment of the 18" RCP & Drop Manhole and Diversion Structure be changed to be installed at the intersection of Glenoaks and Jessie Street?

Answer #29: The Diversion Structure shall remain in place as shown.

Question #30: Confirming that the price for the SD manholes are to be included in the LF price of the pipe? This would normally be it's own line item, please advise.

Answer #30: As indicated in Specifications/Special Provisions Section 306-15.1 (item u), manholes along the proposed pipeline are to be paid for under the corresponding pipe bid item.

Question #31: Will the City be willing to receive a bid for an alternate stormwater infiltration system, such as Precon's StormPrism (made in Simi Valley)?

Answer #31: Alternates that meet the specifications may be approved through a formal submittal review process.

Question #32: Several plan sheets including Sheet 40 and Sheet 41 denote the project boundary around the existing park. Please confirm the Contractor shall install and maintain temporary fence along the project boundary during construction.

Answer #32: The Project boundary extends around the existing park due to the extent of irrigation/landscape improvements. The Contractor shall fence off the work area required within the overall Project boundary and preserve access to park areas and walking paths for which work are not being performed. The Contractor is required to install and maintain temporary fence around the Work area, while it is not required around the full project boundary for the full duration.

Question #33: The designated stockpile areas shown on Sheet 36 are too small to stockpile excavated materials that will alter be used for backfill. Will other stockpile areas be provided?

Answer #33: See response to question #23 above.

Question #34: Note 2 on Sheet 40 states, "All sidewalks, concrete surfaces, and fences are to remain." Please confirm this includes the perimeter sidewalk on First Street and Park Avenue. Under what bid item shall costs for sidewalk construction on Sheet 40 be allocated towards?

***Answer #34**: Sidewalks and concrete surfaces that will be reconstructed to install pipelines or other infrastructure shall be accounted for under the corresponding pipe/infrastructure bid item. Bid Item 27 shall be used for the sidewalk construction shown on Sheet 40.*

Question #35: The Zone Chart on Sheet 15 states the materials shall not exceed 120 pcf for the final cover overtop. The soils reports show material with density as high as 139 pcf. Can we assume excavated materials will be acceptable to reuse for final backfill?

***Answer #35**: See response to question #15 above.*

Question #36: Please consider changing the units on Bid Item No. 18 from Gallons to Lump Sum.

***Answer #36**: The units of Bid Item No. 18 will be Lump Sum. See updated Contractor's Proposal (pages P-1 through P-3 in the Bid Documents) with the updated bid item name and units shown in blue in Attachment 3 of this Addendum.*

The following additional changes apply to the Contract Documents:

The Contractor shall prepare and submit a recycling summary report summarizing the disposal, reuse, and/or recycling activities which occurred throughout the Contract duration. The summary report shall be submitted by the Contractor to the Agency before or with its request for the final Progress Payment. Forms shall align with Agency requirements and programs and at a minimum shall document the material types; amounts recycled, reused/salvaged, and landfilled; and hauler/facility.

Technical Specification Section SWS1-2 Quality Assurance shall be replaced with the following (edits shown in blue for reference):

SWI1-2 Quality Assurance.

The manufacture of the precast concrete modules shall be performed at a precast production facility certified by the National Precast Concrete Association (NPCA) or Precast Concrete Institute (PCI). The Agency and/or Engineer must be able to visit the production facility upon request.

If dry-cast storage is proposed by the Contractor, the Contractor must schedule a visit to the production facility with the Agency, Engineer, and/or their representatives prior to acceptance as a suitable product/material. The submittal shall include three representative core samples for the Agency to review, observe, and test. The Contractor shall test three additional representative core samples (taken from the same unit the samples provided for Agency review are taken). The Contractor's test shall be conducted in accordance with the bulleted list below.

If dry-cast storage is proposed and conditionally accepted by the Agency, the Contractor shall hire a third-party testing firm for review and testing. The third-party testing firm must be approved by the Agency. The third-party firm shall report to the Agency for the sole purpose of testing and assessing dry-cast storage system components delivered to the Project. If dry-cast material is accepted for the infiltration system, then core samples must be taken from the bottom, top, and sides of the units throughout the duration of the Project. A minimum of three (3) core sample shall be taken for every 50,000 gallons of dry-cast modules produced. Core samples must be distributed evenly throughout the manufacturing. Cores shall be patched at the manufacturing facility to ensure that the structural integrity and functionality are preserved.

1. *Core samples shall be reviewed and accepted prior to delivery of the corresponding modules.*
2. *Core samples shall be tested per ASTM C642 "Standard Test Method for Density, Absorption, and Voids in Hardened Concrete" to ensure adequate consolidation.*
3. *Core samples shall be tested to verify compressive strength and consolidation at 28-days.*
4. *If samples fail to meet the project specifications for strength, then the Agency reserves the right to reject the corresponding modules and other modules produced on the same day shall be cored and similarly tested.*
5. *Manufacturer to provide detailed, daily batch reports to the Agency to verify the water/cement ratio, water content, and the batch weight.*

If the test results demonstrate the system does not meet the Project specifications, then the Agency reserves the right to reject the units, require additional testing, and/or require the Contractor install wet-cast or cast-in-place infiltration modules at no additional expense to the Agency.

Attachment 1: RFI for Question #16

JENSEN PRECAST EST. 1968
www.JensenPrecast.com

14221 San Bernardino Ave
FONTANA, CA 92335-5232

August 26, 2021

To: Manuel Fabian
Civil Engineering Assistant II
City of San Fernando
117 Macneil St
San Fernando, CA 91340
Tel (818) 898-1243, Fax (818) 361-6728
mfabian@sfcity.org

Re: RFI for San Fernando Regional Park Infiltration Project – SWS1-2

In reviewing the specifications for this project, Jensen Precast sees an opportunity to improve the section regarding quality assurance of dry-cast to allow the City to achieve the most competitive, high quality solution for your stormwater storage system. Section SWS1-2, which focuses on dry-cast concrete, could be revised to ensure that the testing program meets the goals of the project and satisfies the quality concerns about dry-cast concrete modules.

We share your desire for a robust and sound final product that meets or exceeds all project requirements and feel confident that this can be achieved with dry-cast concrete. Dry-cast concrete is the industry standard in a variety of underground applications including box culverts, pipe, manholes, and small enclosures in the US and throughout the world. Historically dry-cast concrete having zero slump has a great track record and the only quality issues are related to potential lack of consolidation and resulting loss of strength. There are understandable concerns regarding dry-cast concrete, given prior industry experience with this material and we think that modifying the current specifications to better focus on consolidation and strength requirements will be the best way to achieve the intended outcome.

Jensen understands that conducting additional testing of dry-cast product prior to delivery to the project site will provide assurance that the product has been produced and manufactured as specified and designed, and that correct consolidation and strength are achieved. However, the current specifications lack the necessary clarity to achieve the end goal of a quality product. Many of the 8 test results are difficult, and in some cases impossible, to obtain from a core sample. With consolidation and strength being the main potential factors of concern, Jensen recommends replacing specification section SWS1-2 with the following language (areas of change noted in blue).

SWS1-2 Quality Assurance.
The manufacture of the precast concrete modules shall be performed at a precast production facility certified by the National Precast Concrete Association (NPCA) or Precast Concrete Institute (PCI). The Agency and/or Engineer must be able to visit the production facility upon request.

If dry-cast storage is proposed by the Contractor, the Contractor must schedule a visit to the production facility with the Agency, Engineer, and/or their representatives prior to acceptance as a suitable product/material. The submittal shall include three representative core samples for the Agency to review, observe, and test. The Contractor shall test three additional representative core samples (taken

from the same unit the samples provided for Agency review are taken). The Contractor's test shall be conducted as outlined below.

If dry-cast storage is proposed and conditionally accepted by the Agency, the Contractor shall hire a third-party testing firm for review and testing. The third-party testing firm must be approved by the Agency.

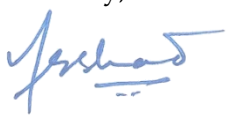
The third-party firm shall report to the Agency for the sole purpose of testing and assessing dry-cast storage system components delivered to the Project. Core samples must be taken from the bottom, top, and sides of the units throughout the duration of the Project. A minimum of three (3) core sample shall be taken for every 10 drycast modules produced for the first 25% of the modules, and for every 25 modules produced thereafter. These core samples must be distributed evenly throughout the manufacturing. Cores shall be patched at the manufacturing facility to ensure that the structural integrity and functionality are preserved.

1. *Core samples shall be reviewed and accepted prior to delivery of the corresponding modules.*
2. *All cores shall be visually inspected to verify proper consolidation. Any cores that pass through congested reinforcement will be set aside and an alternate core taken.*
3. *If any core samples appear to be porous, the porous samples shall be tested per ASTM C642 "Standard Test Method for Density, Absorption, and Voids in Hardened Concrete" to ensure adequate consolidation.*
4. *Core samples shall be assessed per ASTM C42 to verify strength and consolidation utilizing this industry standard 28-day compressive test.*
5. *If samples fail to meet the project specifications for strength, then the Agency reserves the right to reject the corresponding modules and other modules produced on the same day shall be cored and similarly tested.*
6. *Manufacturer to provide detailed, daily batch reports to the Agency to verify the water/cement ratio, water content, and the batch weight.*

These proposed changes will refocus this section to verify proper consolidation and strength rather than focusing on parameters which are not commonly associated with problems in dry-cast concrete.

Please let me know if you have any questions. The Jensen team will be glad to discuss this with you.

Sincerely,



Arshad Vali, SE
Director of Engineering Projects

Attachment 2: LACPW Permit Document

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803

PERMIT TYPE: Flood
PERMIT CLASS/SUBCLASS: Construction

PERMIT#: FCDP2019000195
PERMIT STATUS: Issued

ISSUE DATE: 04/08/2021
BY: Thong Ngov
PERMIT OFFICE: PO2
23757 W. Valencia Blvd
Valencia, CA 91355
(661) 222-2948
(661) 222-2952 Fax

APPLICANT	ADDRESS	
Agent CWE Katie Harrel	1561 E Orangethorpe Avenue #240 Fullerton, CA 92831	Business: (714)526-7500x205 Mobile: (714)732-8180 email: kharrel@cwecorp.com
Owner/Applicant City of San Fernando Kenneth Jones	117 Macneil Street San Fernando, CA 91340	Business: (818)898-1240 email: kjones@sfcity.org

LOCATION:
The location link shown above is for Recreation Park, which is where flows will be conveyed to and infiltrated. The Project includes connections to LACFCD facilities BI-0256 and BI-7001 on Glenoaks Boulevard near Griswold Avenue and on First Street adjacent to the park, respectively.

PROJECT/WORK ORDER NO.
18272

FLOOD FACILITY NAME:
Storm Drain Bond Issue Project No. 7001 (San Fernando Project No. 7001)
Storm Drain Bond Issue Project No. 256 (Glenoaks Boulevard Drain)
Miscellaneous Transfer Drain (MTD) 947 (Pending Transfer to District)

INSPECTION REQUIRED
CALL PERMIT OFFICE AT LEAST ONE (1) WORKING DAY BEFORE STARTING WORK UNDER THIS PERMIT. FAILURE TO DO SO IS CAUSE FOR REVOCATION OF THIS PERMIT. THIS PERMIT IS VOID IF WORK IS NOT STARTED BY 10/05/2021

PROJECT DESCRIPTION:
To authorize the work described below affecting the subject stream in accordance with the submitted plans, Los Angeles County Flood Control District Drawing No. 364-7001F9 (Los Angeles County Department of Public Works Drawing No. PF590195).

WORK DESCRIPTION:
Construct City of San Fernando's Regional Park Infiltration Project which includes manhole and drop structures to divert water from the District's storm drain for treatment, per approved plans.

PROJECT CONDITIONS:

1. No work is allowed until the County reviews and approves contractor's insurance document including additional insured endorsement.
2. A pre-construction meeting is required before starting work under this permit. Please contact the permit office indicated on the permit to coordinate the meeting.
3. Permittee shall provide a minimum 48 hour advanced notice to all adjacent property owners or occupants within a 100 foot radius of the project site; and call the local Stormwater Maintenance Division yard at least 24 hours before starting work. The notice shall be written in the form of a letter, doorhanger, or flyer; and provide sufficient information regarding the project including the scope of work, schedule of work, working hours and a human contact to handle questions. Evidence of such notice must be produced upon demand by any District representative.
   Hansen Yard (West) (818) 896-0594

4. Prior to any construction work, the District will inspect and document the current condition of the existing District facilities. After the completion of construction, the facilities shall be re-inspected and monitored for possible damages. In the event that any damage is identified at any time, immediate replacement or repair to the satisfaction of District will be required at the Permittee's expense.
5. All work involving removal and restoration of District's storm drain shall be accomplished during the period April 15 to October 15. No work is allowed during the storm season from October 16 to April 14. If temporary diversion of water is required, a diversion plan must be submitted and approved by the District prior to implementation of temporary diversion structures.
6. This permit shall not be exercised during inclement weather or when the 5-day forecast predicts rain. No activities will be allowed during storm events.
7. Unless otherwise indicated in this permit, all work authorized by this permit shall conform to the latest edition of the Standard Specifications for Public Works Construction (Greenbook).
8. Permittee is notified that in accordance with the STATE OF CALIFORNIA CONSTRUCTION SAFETY ORDERS, Section 1503, the Permittee or their contractor must have a permit from Cal/OSHA if the excavation authorized herein more than 5 feet deep.
9. Permittee shall provide a schedule of activities, including duration, to avoid any potential conflicts with LACDPW maintenance activities in the area.
10. Permittee must not allow any materials or wash water to flow downstream while carrying out the work.
11. Issuance of this permit shall not be construed as an obligation on the part of the District to assume responsibility for any damages incurred to the permittee's improvements in the event of storm drain and/or channel failure or flooding from rain storms.
12. Any structure or portions thereof placed on District right of way must be removed, revised, and/or relocated by Permittee without cost to the District. or any other public agency the District shall so designate. should future activities or policy so require.
13. The District/County assumes no responsibility for any claims, loss, damage or liability occurring by reason of Permittee's exercise of this permit
14. Permittee must contact Los Angeles County Public Works dispatch office at (626) 458-4357 in the event of an emergency related to Department facilities.
15. Permittee shall submit a copy of the as-built drawings for the completed construction authorized by this permit.
16. The Permittee shall comply with the terms and agreement as specified in the attached FCDP2019000195 Use and Maintenance Agreement.
17. The CITY shall incorporate any and all reasonable comments submitted by the DISTRICT and shall deliver a final version of the O&M MANUAL to the DISTRICT prior to completion of work authorized by this Permit. If the PARTIES cannot agree as to whether the DISTRICT's comments shall be incorporated, the PARTIES shall meet and confer in good faith to resolve such disagreement.

    The work authorized by this Permit shall not be deemed complete until the CITY has delivered the final version of the O&M MANUAL to the DISTRICT as described above.
18. Neither the letters "LACFCD" nor "LADPW" shall be on the manhole covers of the pretreatment devices or diversion structures.
19. During the period of operations conducted under the permit, Permittee shall maintain in effect an insurance policy (minimum limit of $2 million) naming the District/County as additional insured with respect to these operations. Expiration or cancellation of the insurance policy shall constitute revocation of this permit.
20. Additional Attachment(s): FCDP2019000195 Final Plans; FCDP2019000195 Use and Maintenance Agreement

Attachments**:** Los Angeles County Flood Permit Standard Provisions, Best Management Practices(BMPs)

FEE NAME	FEE CODE	AMOUNT
Inspect Major Modifications	00228815	$5,000.00
Major Modifications Plan Check - Case I	00228814	$5,000.00
Permit Issuance	00215199	$138.00
	TOTAL FEES:	**$10,138.00**

Performance of work activity under this permit is tantamount to agreeing to the following terms:

1. Permittee is hereby permitted to perform the scope of work described above at the location described above, subject to all applicable provisions of the Flood Control Channels Ordinance (Chapter 20.94 of Title 20, Los Angeles County Code), County of Los Angeles Highway Permit Ordinance (Division 1 of Title 16, Los Angeles County Code), and/or any Municipal Code or Ordinance governing the area where this work is to be done.
2. Permittee's activities in connection with this Permit shall also be subject to the provisions and conditions contained in this Permit and any attachments, which are incorporated herein.
3. INSPECTION REQUIRED - Contact the Permit Office indicated on the Permit at least one (1) working day before starting any work. Failure to do so may result in this permit being suspended or revoked.
4. Compliance with Section 8771 of the State of California Business and Professions Code for the preservation and/or perpetuation of existing land survey monuments.
5. Compliance with Chapter 12.80 Stormwater and Runoff Pollution Control of the Los Angeles County Code, and the Best Management Practices (BMPs) Attachment.
6. This permit must be made available for inspection at the work site upon request by a County or District representative, or law enforcement official.
7. This permit will expire if the work is not commenced within 180 days from the date of permit issuance.
8. Upon completion of work, contact the Permit Office indicated in this Permit no later than the next working day. Failure to do so may result in additional fees assessed.
9. This Permit is revocable by the District if the District determines that the public interest and welfare require such revocation and shall be deemed void if the Permittee is not in compliance with Section 3800 of the Labor Code.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
STANDARD PERMIT PROVISIONS

1. This permit is valid only for the purpose specified herein. No change of purpose as outlined in application or drawings submitted with application is permitted except upon written permission of the Chief Engineer or his representative.

2. Activities and uses authorized under this permit are subject to any instructions of the Chief Engineer or his representative. **ALL INSTRUCTIONS MUST BE STRICTLY OBSERVED.**

3. Permittee shall be responsible for notifying their contractor and all subcontractors of the provisions of this permit.

4. Permittee (including its contractors and subcontractors) shall indemnify, defend (with counsel reasonably satisfactory to District and the County of Los Angeles), and hold harmless District and the County of Los Angeles, and their elected and appointed officers, employees and agents, from and against any and all claims, expenses (including court costs and reasonable attorney and expert witness fees) demands, liabilities, losses, or causes of action of whatsoever nature or character, for injury, illness or death or loss of, damage to or destruction of property which arises out of, or is in any way connected to, the activities of Permittee described in this Permit.

   This indemnification shall survive in its entirety the termination or revocation of this Permit, and shall remain in full force and effect in perpetuity, unless agreed to otherwise in writing by the District.

5. Permittee shall protect all District facilities where the proposed work comes in close proximity to the District facilities. Any damage caused to Flood Control structures by reason of exercise of this permit shall be repaired, at the permittee's sole expense, to the satisfaction of the District. Should the permittee neglect to promptly make repairs, the District may perform such work or have others perform the work, and the permittee agrees to reimburse the District for all costs of the work so performed upon receipt of a statement thereof.

6. Any structure or portions thereof or plantings placed on District rights of way or which affect District structures must be removed, revised, and/or relocated by permittee without cost to the District, or any other public agency the District shall so designate, should future activities or policy so require.

7. Unless authorized by this permit, permittee shall not prune, deface, destroy or remove any tree or landscaping growing or to grow upon the District right of way.

8. This permit is valid only to the extent of District jurisdiction. Acquisition of permits required by other affected agencies and consent of underlying fee owner(s) of District easement lands are the responsibility of the permittee. **NOTHING CONTAINED IN THIS PERMIT SHALL BE CONSTRUED AS A RELINQUISHMENT OF ANY RIGHTS NOW HELD BY THE DISTRICT.**

9. This permit is subject to all prior unexpired permits, agreements, easements, privileges, or other rights, whether recorded or unrecorded, in the area specified by this permit. Permittee shall make his own arrangements with holders of such prior rights.

10. Ingress and egress shall be at locations approved by the District's representative.

11. Permittee shall keep the District's right of way clear of obstructions for through access at all times and shall not interfere with the activities of the District's representative. Permittee shall be prepared to remove all material or equipment upon notice to accommodate District's operation and maintenance needs.

12. Permittee shall not use District's right of way for the temporary or permanent storage of excavated materials, rock, sand, cement, or other material, or any equipment, except as specifically noted.

13. Unless otherwise specified herein, this permit may be revoked or canceled at any time by the Chief Engineer or his representative when required for District purposes.

14. Upon written notice of cancellation or revocation of this permit for any cause whatsoever, permittee shall restore District right of way and structures to their condition prior to the issuance of the permit and then shall vacate District property. Should permittee neglect to restore the premises or structures to a condition satisfactory to the Chief Engineer or his representative, the District may perform such work or have others perform the work, and the permittee agrees to reimburse the District for all costs of the work so performed upon receipt of a statement thereof.

15. Permittee will be subject to fines from the California Regional Water Quality Control Board. the California Department of Fish and Wildlife, and the United States Coast Guard for any water pollution resulting from these activities.

16. In the event of a District employee work stoppage, the Chief Engineer or his representative reserves the right to suspend all activity authorized under this permit which requires inspection by the District. Activity authorized by the permit shall not resume until District approval to do so is given.

17. Unless otherwise specifically provided, all costs incurred by permittee as a result of the conditions of the permit or exercise by District of any right, authority, or reservation contained therein shall be the sole responsibility of and shall be borne entirely by the permittee.

Best Management Practices (BMPs)
Attachment

The Los Angeles County Department of Public Works (LACDPW) requires Permittees and their contractors to implement a program to effectively control water pollution during all Permit construction projects. This project shall conform with the requirements of the following County Code and Permits:

- Los Angeles, California County Code Chapter 12.80 Stormwater and Runoff Pollution Control
- Waste Discharge Requirements for Municipal Separate Storm Water System (MS4) and Discharges within the Coastal Watersheds of Los Angeles County, Except Those Discharges Originating from the City of Long Beach (Order No. R4-2012-0175 as amended by StateWater Board OrderWQ 2015-0075 and Los AngelesWater Board Order R4-2012-0175-A01, National Pollutant Discharge Elimination System [NPDES] No. CAS004001)
- NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-0009-DWQ amended by 2010-0014-DWQ and 2012-0006-DWQ, NPDES No. CAS000002)

The Permittee or Authorized Representative and their contractors shall know and fully comply with the applicable provisions of these permits and Federal, State and local regulations that govern the Permittee or Authorized Representative's operations and the storm water discharges from the project site.
In order to ensure a minimum level of water quality control, the Permittee or Authorized Representative and their contractors shall effectively implement and maintain appropriate Best

- Management Practices (BMPs) shown in Table 1. In addition, the Permittee or Authorized Representative and their contractors shall comply with the following requirements:

- Sediments shall not be discharged to the storm drain system or receiving waters. Sediments generated on the construction site shall be retained.

- No construction-related materials: waste, spills, or residue shall be discharged from the project site to streets, drainage facilities, receiving waters, or adjacent property by wind or runoff.

- Non-storm water runoff from equipment, vehicle washing, or any other activity shall be contained within the project site using appropriate BMPs.

- Erosion from slopes and channels shall be prevented.

- Minimize grading during the wet season (October 15 through April 15). All erosion susceptible slopes shall be covered, planted, or protected in any way that prevents sediment discharge from the project site.

BMPs shall conform to the requirements in the LACDPW Construction Division's "Construction

http://dpw.lacounty.gov/cons/specs/BMPManual.pdf

Year-Round Implementation Requirements

The Permittee or Authorized Representative and their contractors shall have an effective program for implementing, inspecting, and maintaining water pollution control practices for wind erosion control, tracking control, non-storm water control, and waste management and materials pollution control.

Soil stabilization and sediment control practices shall be provided throughout the rainy season, defined as between October 15 and April 15, and whenever the National Weather Service predicts rain within 24 hours. The National Weather Service weather forecast shall be monitored and used by the Permittee on a daily basis.

The non-rainy season shall be defined as all days outside the defined rainy season. Disturbed soil areas within the project shall be protected in conformance with the requirements in the Construction Site BMP Manual with sediment controls implemented prior to a predicted rain event.

Maintenance and Inspection
The Permittee or Authorized Representative and their contractors shall be responsible throughout the duration of the project for installing, constructing, inspecting, maintaining, removing and disposing of the BMPs. Unless otherwise directed by LACDPW, the Permittee or Authorized Representative and their contractors are responsible for BMP implementation and maintenance throughout any temporary suspension of work. The Permittee or Authorized Representative shall reimburse LACDPW for the full costs of cleaning or repairing of storm drain, water course, or channel which may be necessary due to ineffective implementation of BMPs.

The project site shall be inspected by the Permittee or Authorized Representative or their contractors a minimum of once every week or at least once for projects that last only one week or less.

Report of Non-Permitted Discharge and Enforcement

If the Permittee or Authorized Representative or their contractors identify any non-permitted discharge into the storm drain system or receiving waters in a manner causing, or potentially causing, a condition of pollution, or if the project receives a written notice or order from any regulatory agency, the Permittee or Authorized Representative or their contractors shall immediately inform LACDPW Construction Division Permits Section by calling the assigned Field Office. The Permittee or Authorized Representative or their contractors shall submit a written report (see attached Notice of Non-Permitted Discharge) to the LACDPW within 5 days of the discharge event, notice or order.

The Permittee or Authorized Representative and their contractors are subject to enforcement action by Chapter 12.80 of the Los Angeles County Code that states,
corporation, municipality or district or any officer or agent of any firm, corporation, municipality or district violating any provision of this chapter shall be guilty of a misdemeanor. Such violation shall be punishable by a fine of not more than $1,000 or by imprisonment in the county jail for a period not to exceed six months, or by both fine and imprisonment. Each day during any portion of which such violation is committed, continued or permitted shall constitute a separate offense and shall be punishable as such (Ord. 98-0021§1(part), 1998).

In addition, the Permittee or Authorized Representative and their contractors are subject to enforcement action by the State Water Resources Control Board (SWRCB), Environmental Protection Agency, private citizens and citizen groups. The Permittee or Authorized

Representative and their contractors shall be responsible for the costs and for liabilities imposed by law as a result of the Permittee or Authorized Representative or their contractor's failure to comply. Costs and liabilities include, but are not limited to, fines, penalties and damages whether assessed against LACDPW or the Permittee or Authorized Representative or their contractors, including those levied under the Federal Clean Water Act and the State Porter Cologne Water Quality Act.

Table 1
Construction Site BMPs

ID	BMP Name	Minimum Requirement[1]
Temporary Soil Stabilization		
SS-1	Scheduling	X[2]
SS-2	Preservation of Existing Vegetation	X[2]
SS-3	Hydraulic Mulch[3]	
SS-4	Hydroseeding[3]	
SS-5	Soil Binders[3]	
SS-6	Straw Mulch[3]	
SS-7	Geotextiles, Plastic Covers, & Erosion Control Blankets/Mats[3]	
SS-8	Wood Mulching	
SS-9	Earth Dikes/Drainage Swales & Ditches	
SS-10	Outlet Protection/Velocity Dissipation Devices	
SS-11	Slope Drains	
SS-12	Streambank Stabilization	
Temporary Sediment Control		
SC-1	Silt Fence[4]	
SC-2	Desilting Basin	
SC-3	Sediment Trap	
SC-4	Check Dam	
SC-5	Fiber Rolls[4]	
SC-6	Gravel Bag Berm[4]	
SC-7	Street Sweeping and Vacuuming	X[2]
SC-8	Sandbag Barrier[4]	
SC-9	Straw Bale Barrier[4]	
SC-10	Storm Drain Protection	X[2]
Wind Erosion Control		
WE-1	Wind Erosion Control	X[2]
Tracking Control		
TC-1	Stabilized Construction Entrance/Exit	
TC-2	Stabilized Construction Roadway	
TC-3	Entrance/Outlet Tire Wash	

Table 1 (continued) Construction Site BMPs		
ID	**BMP Name**	**Minimum Requirement[1]**
Non-Storm Water Management		
NS-1	Water Conservation Practices	
NS-2	Dewatering Operations[5]	
NS-3	Paving and Grinding Operations	
NS-4	Temporary Stream Crossing	
NS-5	Clear Water Diversion	
NS-6	Illicit Connection/Illegal Discharge Detection and Reporting	X[2]
NS-7	Potable Water/Irrigation	
NS-8	Vehicle Equipment Cleaning	X[2]
NS-9	Vehicle Equipment Fueling	X[2]
NS-10	Vehicle Equipment Maintenance	X[2]
NS-11	Pile Driving Operations	
NS-12	Concrete Curing	
NS-13	Material and Equipment Use Over Water	
NS-14	Concrete Finishing	
NS-15	Structure Demolition/Removal Over or Adjacent to Waters	
NS-16	Temporary Batch Plant	
Waste Management and Material Pollution Control		
WM-1	Material Delivery	X[2]
WM-2	Material Use	X[2]
WM-3	Stockpile Management	
WM-4	Spill Prevention and Control	X[2]
WM-5	Solid Waste Management	X[2]
WM-6	Hazardous Waste Management	
WM-7	Contaminated Soil Management	
WM-8	Concrete Waste Management	
WM-9	Sanitary/Septic Waste Management	X[2]
WM-10	Liquid Waste Management	

(1) Additional BMPs may be required based on actual field condition, Contractor operations, or construction operations.
(2) Not all minimum requirements may be applicable to every project. Applicability to a specific project shall be verified by the Permittee or Authorized Representative and their Contractor.
(3) The Permittee or Authorized Representative and their Contractors shall select one of the identified soil stabilization BMPs or a combination thereof.
(4) The Permittee or Authorized Representative and their Contractors shall select one of the identified sediment control barrier BMPs or a combination thereof.
(5) Dewatering BMPs are required for discharging accumulated precipitation (rain and snow melt) and for potential contact with groundwater during

Attachment 3: Revised Contractor's Proposal

CONTRACTOR'S PROPOSAL

CITY OF SAN FERNANDO
117 MACNEIL STREET
SAN FERNANDO, CALIFORNIA 91340

HONORABLE MAYOR AND
MEMBERS OF THE CITY COUNCIL:

The undersigned declares that this proposal was prepared by carefully examining the location of the proposed work, the Plans, the Specifications, and the Contract Documents entitled:

SAN FERNANDO REGIONAL PARK INFILTRATION PROJECT
PROJECT NO. 7601, PLAN NO. P-732

The undersigned hereby proposes to furnish all labor, materials, equipment, tools, transportation, and services to perform all work required and to complete said work within **three hundred (300)** working days after the commencement date stated in the Notice to Proceed. All work shall be performed in accordance with the Plans, Specifications, and Contract Documents, including the Special Provisions and Technical Specifications, for the prices set forth in the bid schedule.

_____ _____
Dated Bidder

_____
Signature

_____
Name (Print/Type)

_____
Title

BID SCHEDULE
SAN FERNANDO REGIONAL PARK INFILTRATION PROJECT
PROJECT NO. 7601, PLAN NO. P-732

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	ITEM TOTAL
Miscellaneous					
1	Mobilization (5% Max)	LS	1	$	$
2	Traffic Control	LS	1	$	$
3	SWPPP Implementation	LS	1	$	$
4	Class "A" Field Office	LS	1	$	$
Construction					
5	Tree Removal (24" Diameter)	EA	1	$	$
6	Remove Manhole (30" Pipe)	EA	1	$	$
7	Diversion Structure (78" RCP)	EA	1	$	$
8	Diversion Structure (87" RCP)	EA	1	$	$
9	Diversion Structure (30" RCP)	EA	1	$	$
10	18" RCP Diversion Line	LF	4,420	$	$
11	36" RCP Diversion Line	LF	100	$	$
12	BI-7001 Pretreatment System	EA	1	$	$
13	BI-0256 Pretreatment System	EA	1	$	$
14	Flow Meter and Vault	EA	2	$	$
15	Gate Valve and Vault (Glenoaks Blvd)	EA	1	$	$
16	Gate Valve and Vault (First St)	EA	1	$	$
17	Electrical (Float Switches, Panels, Vaults, etc.)	LS	1	$	$
18	Subsurface Infiltration System (3,020,440 GAL Minimum)	LS	1	$	$
19	3' Manhole Access Shaft for Infiltration System	EA	5	$	$
20	Remove and Reinstall Chain Link Fence	LF	25	$	$
21	Remove and Reinstall Existing Electrical Lines	LF	440	$	$
22	Remove and Replace Sewer Line	LF	85	$	$
Irrigation and Landscaping Improvements					
23	Irrigation	LS	1	$	$
24	Landscaping and Field Restoration	LS	1	$	$
25	90 Day Plant Establishment	LS	1	$	$
26	Interpretive Sign	EA	1	$	$
27	Concrete Sidewalk Restoration	SF	850	$	$
Street Improvement and Striping					
28	Street Demolition	LS	1	$	$
29	Aggregate Base	CY	1,820	$	$
30	AC Pavement	TON	4,160	$	$
31	Remove and Replace Curb Ramp	EA	4	$	$
32	Detectable Warning Surface	SF	122	$	$
33	Striping, Pavement Markers, and Pavement Markings	LS	1	$	$
				BID TOTAL	**$**

In case of discrepancy between unit prices and item totals, the unit prices shall prevail. In case of a discrepancy between item totals and grand total, the item totals shall prevail. The grand total will be subject to adjustment by the City in the event of a discrepancy. The contract award shall be made on the basis of the grand total as described above from among the responsive and responsible bidders.

The City does not expressly or by implication agree that the actual amount of work will correspond with the foregoing quantities, but reserves the right to increase or decrease the amount of any class or portion of the work or to omit portions of the work as may be deemed necessary or advisable by the Engineer.

The bidder further agrees that in case of not executing the required contract with necessary bonds within ten (10) days, not including Sundays, after having received notice that the contract is ready for signature, the proceeds of the check or bond accompanying his bid shall become the property of the City of San Fernando.

By submission of the Contractor's Proposal, the bidder also certifies that the bid is a balanced bid.

The bidder acknowledges receipt of the following addendum issued for the above project. If no addendum has been received, write "None". FAILURE TO ACKNOWLEDGE RECEIPT OF ANY ADDENDA ISSUED WILL RENDER THE CONTRACTOR'S BID NON-RESPONSIVE.

List of Addendum Received:_____