

**CITY OF PERRIS
PUBLIC WORKS CONTRACT FOR
MAINTENANCE OF STORM DRAIN LINE, CATCH BASINS AND BMP'S
(Specification No. #FCD 1-2017-18-02)**

THIS PUBLIC WORKS CONTRACT (herein "Agreement") is made and entered into this _____ day of _____, 2017, by and between the CITY OF PERRIS, a municipal corporation, (herein "City") and UNITED STORM WATER, INC., (herein "Contractor").

NOW, THEREFORE, the parties hereto agree as follows:

1.0 SERVICES OF CONTRACTOR

1.1 Contract.

The complete contract includes all contract documents, to wit: Maintenance of Storm Drain Line, Catch Basins and BMP's Specifications and Information for Bidders (Specification No. #FCD 1-2017-18-02), which are incorporated by this reference as though set forth in full herein.

1.2 Scope of Services.

In compliance with all of the terms and conditions of this Agreement, the Contractor shall furnish all tools, equipment, services, apparatus, facilities, transportation, labor, building/encroachment permits, disposal, materials, laboratory test results, and disposal manifests necessary and reasonably incidental to maintain Storm Drain Line, Catch Basins, Connector Pipe Screens, and Hydrodynamic Systems within Flood Control District #1, in Perris, CA, in strict accordance with Specification No. #. FCD 1-2017-18-02 Contractor warrants that all work and services set forth in the Scope of Services will be performed in a competent, professional and satisfactory manner.

1.3 Incorporation of and Compliance With State, Federal and Local Law.

All applicable State of California, Federal, and local laws, statutes, rules, regulations, orders, determinations, and resolutions required to be contained in public works contracts which are not specifically referenced in the Agreement are incorporated herein by this reference. The Contractor is responsible for and has an independent duty to be familiar with all State of California, Federal, and local laws, statutes, rules, regulations, orders, determinations, and resolutions related to, pertaining to, and/or associated with the work and services to be provided under the Agreement. All work and services rendered hereunder shall be provided in accordance with all laws, statutes, rules, regulations, orders, determinations, and resolutions of the City and any Federal, State or local governmental agency of competent jurisdiction.

1.4 Licenses, Permits, Fees and Assessments.

If applicable, Contractor shall obtain at its sole cost and expense such licenses, permits and approvals as may be required by law for the performance of the services required by this Agreement.

1.5 Additional Services

City shall have the right at any time during the performance of the work and services, without invalidating this Agreement, to order extra work beyond that specified in the Scope of Services or make changes by altering, adding to or deducting from said work. No such extra work may be undertaken unless a signed and authorized written order is first given by the Contract Officer to the Contractor, incorporating therein any adjustment in (i) the Contract Sum, and/or (ii) the time to perform this Agreement, which said adjustments are subject to the written approval of the Contractor. City and Contractor agree to negotiate the cost for additional services based on the unit pricing proposed by the Contractor in the original Bid Schedule of Values found in Section BF, "Bid Form," of Specification No. # FCD 1-2017-18-02. City and Contractor agree that City may seek additional cost estimates from third party contractors to perform additional services. In no event shall Contractor be entitled to recover damages against the City for any delay in the performance of this Agreement, while City seeks estimates from third party contractors to perform additional services. Written orders shall be made on forms prescribed by the Contract Officer in accordance with Part I "Procedural Documents," Section CO of Specification No.# FCD 1-2017-18-02. Any increase in compensation of up to ten percent (10%) of the Contract Sum; or in the time to perform of up to one hundred eighty (180) days may be approved by the Contract Officer. Any greater increases, taken either separately or cumulatively must be approved by the City Council. It is expressly understood by Contractor that the provisions of this Section shall not apply to services and work specifically set forth in the Scope of Services or reasonably contemplated therein. Contractor hereby acknowledges that it accepts the risk that the work and services to be provided pursuant to the Scope of Services may be more costly or time consuming than the Contractor anticipates and that the Contractor shall not be entitled to additional compensation therefore.

2.0 COMPENSATION

2.1 Contract Sum.

For the services rendered pursuant to this Agreement, the Contractor shall be compensated in accordance with section GP and Section SP, "General Provisions" and "Special Provisions", respectively, of Specification No. #FCD 1-2017-18-02; and section BF "Contract Renewal Bid Schedule" Pages BF-2A through BF-2LL, incorporated herein by this reference, but not exceeding the maximum contract amount for each year as follows: Year I (Bid Schedule #1 Items 1- 4 & 17; Bid Schedule #2 Items 18-21 & 24; Bid Schedule #3 through #5 all Items; Bid Schedule #6 Items 78-79 & 86; Bid Schedule #7 Items 87-90 & 101; Bid Schedule #8 Items 102-107 & 120; Bid Schedule #9 through #10 all Items; Bid Schedule, #11 Items 155-156 & 167; Bid Schedule #12 Items 168-171 & 178; Bid Schedule #13 Items 179-184 & 195; Bid Schedule #14 all Items; Bid Schedule #15 Items 207-208 & 213; Bid Schedule #16 Items 214-215 & 220; Bid Schedule #17 Items 221-224 & 241; Bid Schedule #18 Items 242-251 & 262; Bid Schedule #19 Items 263-266 & 283; Bid Schedule #20 Items 284-285 & 298; Bid Schedule #21 Items 299-302

and 313-317; Bid Schedule #22 Items 318-321 & 344; Bid Schedules #23 through #24 all Items; and Bid Schedule #25 Items 381-382, 385-386 & 389), two hundred twenty-two thousand, six hundred ninety-two and 01/100 dollars (\$222,692.01); and Year II (All Bid Schedules #1 through #25 all Items #1-389), four hundred sixty-four thousand, seven hundred sixty-eight and 18/100 dollars (\$464,768.18); totaling a maximum Contract Sum of six hundred eighty-seven thousand, four hundred sixty and 19/100 (\$687,460.19) over the two year term of this Agreement (herein Contract Sum), except as provided in section 1.5. The method of compensation shall include: (i) unit quantity payments issued at satisfactory completion of services, as determined by City, for the first year of service; and (ii) unit quantity payments issued at satisfactory completion of services, as determined by City, for the second year of service based upon the Contractor's rates as specified in the Schedule of Compensation, but not exceeding the Contract Sum.

2.2 Method of Payment.

City agrees to pay and Contractor agrees to accept in full consideration for the performance of the work of this Agreement the Contract Sum, subject to additions and deductions as provided in Section 1.5, in accordance with the following provisions:

(a) Unconditional Waiver and Release.

A performance, payment and materials bond will not be required. However, the Contractor shall sign and submit an Unconditional Waiver and Release (Claim Release Form), to the City, upon progress and final payments.

(b) Progress and Final Payments.

Contractor shall submit to the City, and invoice for services rendered prior to the date of the invoice. in accordance with Section GP and Section SP, "General Provisions" and "Special Provisions," respectively, of Specification No.# FCD 1-2017-18-02 and Section BF, "Bid Form," "Bid Schedule of Values" of Specification No.# FCD 1-2017-18-02. Upon receipt and approval of invoice by the City, City shall pay Contractor within a reasonably prompt manner consistent with City's normal procedures for payable accounts, but not to exceed thirty (30) days from date received by City, unless otherwise directed by the Contract Officer. Progress payments shall be issued upon successful completion of items listed on the bid schedule of values, and inspection made by the City, unless otherwise directed by the Contract Officer. A retention of ten percent (10%), unless otherwise directed by the Contract Officer shall be withheld from this payment. Upon completion of the work by the contractor, a final inspection shall be made by the City. Unless otherwise directed by the Contract Officer, upon approval, the City shall file a Notice of Completion and a final payment will be issued (minus ten (10%) percent retention). The final retention payment shall be issued following 30 days from the filing of the Notice of Completion, unless otherwise directed by the Contract Officer. The City must pay interest at the legal rate on any Contractor payment request not paid within 30 days of its submission when the validity of the request is not disputed and the request has been properly submitted. (Public Contract Code § 20104.50).

2.3 Retention of Funds.

Contractor hereby authorizes City to deduct from any amount payable to Contractor (whether or not arising out of this Agreement) (i) any amounts the payment of which may be in dispute hereunder or which are necessary to compensate City for any losses, costs, liabilities, or damages suffered by City, and (ii) all amounts for which City may be liable to third parties, by reason of Contractor's acts or omissions in performing or failing to perform Contractor's obligation under this Agreement. In the event that any claim is made by a third party, the amount or validity of which is disputed by Contractor, or any indebtedness shall exist which shall appear to be the basis for a claim of lien, City may withhold from any payment due, without liability for interest because of such withholding, an amount sufficient to cover such claim. The failure of City to exercise such right to deduct or to withhold shall not, however, affect the obligations of the Contractor to insure, indemnify, and protect City as elsewhere provided herein.

3.0 COORDINATION OF WORK

3.1 Representative of Contractor.

Eduardo Perry, Jr., is designated as being the principal and representative of Contractor authorized to act in its behalf with respect to the work and services specified herein and make all decisions in connection therewith.

3.2 Contract Officer.

Michael Morales, is hereby designated as being the representative the City authorized to act in its behalf with respect to the work and services specified herein and make all decisions in connection therewith ("Contract Officer"). The City Manager of City shall have the right to designate another Contract Officer at any time.

3.3 Prohibition Against Subcontracting or Assignment.

Contractor shall not contract with any entity to perform in whole or in part the work or services required hereunder without the express written approval of the City. Neither this Agreement nor any interest herein may be assigned or transferred, voluntarily or by operation of law, without the prior written approval of City. Any such prohibited assignment or transfer shall be void.

3.4 Independent Contractor.

Neither the City nor any of its employees shall have any control over the manner, mode or means by which Contractor, its agents or employees, perform the services required herein, except as otherwise set forth. Contractor shall perform all services required herein as an independent contractor of City and shall remain under only such obligations as are consistent with that role. Contractor shall not at any time or in any manner represent that it or any of its agents or employees are agents or employees of City. City shall not in any way for any purpose become

or deemed to be a partner of Contractor in its business or otherwise or a joint venture or a member of any joint enterprise of Contractor.

4.0 INSURANCE, INDEMNIFICATION AND BONDS

4.1. Insurance.

The Contractor shall procure and maintain, at its sole cost and expense, in a form and content satisfactory to City, during the entire term of this Agreement including any extension thereof, the following policies of insurance:

(a) **Commercial General Liability Insurance.** A policy of commercial general liability insurance written on a per occurrence basis with a combined single limit of at least \$2,000,000 bodily injury and property damage including coverages for contractual liability, personal injury, independent contractors, broad form property damage, products and completed operations. The Commercial General Liability Policy shall name the City of Perris, California, its officers, employees and agents as additional insureds in accordance with standard ISO additional insured endorsement form CG2010(1185) or equivalent language.

(b) **Worker's Compensation Insurance.** A policy of worker's compensation insurance in such amount as will fully comply with the laws of the State of California and which shall indemnify, insure and provide legal defense for both the Contractor and the City against any loss, claim or damage arising from any injuries or occupational diseases occurring to any worker employed by or any persons retained by the Contractor in the course of carrying out the work or services contemplated in this Agreement.

(c) **Business Automobile Insurance.** A policy of business automobile liability insurance written on a per occurrence basis with a single limit liability in the amount of \$1,000,000 bodily injury and property damage. Said policy shall include coverage for owned, non-owned, leased and hired cars.

All of the above policies of insurance shall be primary insurance. The insurer shall waive all rights of subrogation and contribution it may have against the City of Perris, California, its officers, employees and agents, and its insurers. In the event any of said policies of insurance are canceled, the Contractor shall, prior to the cancellation date, submit new evidence of insurance in conformance with this Section 4.1 to the Contract Officer. No work or services under this Agreement shall commence until the Contractor has provided the City with Certificates of Insurance or appropriate insurance binders evidencing the above insurance coverages and said Certificates of Insurance or binders are approved by the City.

Contractor agrees that the provisions of this Section 4.1 shall not be construed as limiting in any way the extent to which the Contractor may be held responsible for the payment of damages to any persons or property resulting from the Contractor's activities or the activities of any person or person for which the Contractor is otherwise responsible.

In the event the Contractor subcontracts any portion of the work in compliance with Section 3.3 of this Agreement, the contract between the Contractor and such subcontractor

shall require the subcontractor to maintain the same polices of insurance that the Contractor is required to maintain pursuant to this Section.

4.2. Indemnification.

(a) To the fullest extent permitted by law, Contractor hereby agrees, at its sole cost and expense, to defend, protect, indemnify, and hold harmless the City of Perris, California, its elected and appointed officials and members, officers, attorneys, agents, representatives, consultants, employees, directors, shareholders, successors, and assigns (individually as "Indemnitee" and collectively, "Indemnitees") from and against any and all damages, costs, expenses, liabilities, claims, demands, causes of action, proceedings, expenses, judgments, penalties, liens, and losses of any nature whatsoever, including fees of accountants, attorneys, expert witnesses, consultants, or other professionals and all costs associated therewith (collectively, "Claims"), to the extent arising or claimed to arise out of, in connection with, resulting from, or related to any negligent act, error, omission or failure to act of Contractor or any of its subcontractors and their respective officers, agents, servants, employees, subcontractors, materialmen, suppliers or Contractor's failure to perform or negligent performance of any term, provision, covenant or condition of the Agreement or the Scope of Services, including this indemnity provision. This indemnity also applies to any Claims of any type or nature asserted on behalf of any of Contractor's subcontractors. This indemnity provision shall survive the termination of the Agreement and is in addition to any other rights or remedies which Indemnitees may have under the law. Payment is not required as a condition precedent to an Indemnitee's right to recover under this indemnity provision. An Indemnitee shall have the right to select the attorneys to represent it in the event of a Claim and at Contractor's expense. Contractor shall pay Indemnitees for any attorneys' fees, consultant and expert witness fees and costs incurred in enforcing this indemnification provision. This indemnity is effective without reference to the existence or applicability of any insurance coverages which may have been required under the Agreement or any additional insured endorsements, which may extend to Indemnitees.

(b) Contractor, on behalf of itself and all parties claiming under or through it, hereby waives all rights of subrogation and contribution against any Indemnitee with respect to those Claims as to which such Indemnitee is indemnified under Section 4.2(a) above, except for such Claims which are the result of such Indemnitee's willful misconduct.

(c) In the event the City of Perris, California, its officers, agents or employees are made a party to any action or proceeding filed or prosecuted against Contractor for such damages or other claims arising out of or in connection with the negligent performance of or failure to perform the work, operations or activities of Contractor hereunder, Contractor agrees to pay to the City of Perris, California, officers, agents or employees, any and all costs and expenses incurred by the City of Perris, California, its officers, agents or employees in such action or proceeding, including but not limited to, legal costs and attorneys' fees.

4.3 Sufficiency of Insurer or Surety.

Insurance or bonds required by this Agreement shall be satisfactory only if issued by companies qualified to do business in California, rated "A" or better in the most recent edition of Best Rating Guide, The Key Rating Guide or in the Federal Register, and only if they are of a financial category Class VII or better, unless such requirements are waived by the City's Risk

Manager or designee of the City due to unique circumstances. In the event the City's Risk Manager determines that the work or services to be performed under this Agreement creates an increased or decreased risk of loss to the City, the Contractor agrees that the minimum limits of the insurance policies required by this Section 4 may be changed accordingly upon receipt of written notice from the City's Risk Manager or designee; provided that the Contractor shall have the right to appeal a determination of increased coverage by the City's Risk Manager to the City Council within ten (10) days of receipt of notice from the City's Risk Manager.

5.0 TERM

5.1 Term

Unless earlier terminated in accordance with 5.4 below, this Agreement shall commence on July 11, 2017 and continue in full force and effect until July 11, 2019. The two-year contract period may be renewed annually for up to a maximum of two additional one year periods by mutual agreement between City and Contractor, subject to the approval by the City Council.

5.2 Time For Completion and Liquidated Damages.

Contractor shall commence the services pursuant to this Agreement upon receipt of a written notice to proceed and shall perform all services within the time period(s) established in Specification No. FCD# 1-2017-18-02. It is expressly agreed that, except for extensions of time duly granted in writing by the City Manager and for reasons authorized in this Agreement, time shall be of the essence, and contractor shall be held responsible for liquidated damages in a sum equal to \$500.00 (five hundred and 00/100 dollars) for each and every day after permitted time if the work is not completed to the city's satisfaction.

5.3 Force Majeure.

The time period(s) specified in this Agreement for performance of the services rendered pursuant to this Agreement shall be extended because of any delays due to unforeseeable causes beyond the control and without the fault or negligence of the Contractor, including, but not restricted to, acts of God or of the public enemy, unusually severe weather, fires, earthquakes, floods, epidemics, quarantine restrictions, riots, strikes, freight embargoes, wars, litigation, and/or acts of any governmental agency, including the City, if the Contractor shall within ten (10) calendar days of the commencement of such delay notify the Contract Officer in writing of the causes of the delay. The Contract Officer shall ascertain the facts and the extent of delay, and extend the time for performing the services for the period of the enforced delay when and if in the judgment of the Contract Officer such delay is justified. The Contract Officer's determination shall be final and conclusive upon the parties to this Agreement. In no event shall Contractor be entitled to recover damages against the City for any delay in the performance of this Agreement, however caused, Contractor's sole remedy being extension of the Agreement pursuant to this Section.

5.4 Termination for Default of Contractor.

If the Contract Officer determines that the Contractor is in default due to the Contractor's failure to fulfill its obligations under this Agreement, City will give Contractor a written Notice of Default which will be served personally on the Contractor's representative or sent via U.S. First Class Mail to the Contractor at the address set forth in Section 8.1. The Contractor shall continue performing its obligations hereunder so long as the Contractor commences to cure such default within ten (10) calendar days of service of such notice and completes the cure of such default within forty-five (45) calendar days after service of the notice, or such longer period as may be permitted by the City; provided that if the default is an immediate danger to the health, safety and general welfare, the City reserves the right to not notify the Contractor of the default and to take any and all action that may be necessary to cure the default.

If a Notice of Default is issued and the Contractor fails to cure the default within the time periods set forth in this Section, the City may take over the work and prosecute the same to completion by contract or otherwise. The City may use any portion or all of the Contract Sum to pay for said work. The Contractor shall be liable to the extent that the total cost for completion of the services required hereunder exceeds the compensation herein stipulated (provided that the City shall use reasonable efforts to mitigate such damages).

Contractor agrees that if the default is an immediate danger to the health, safety, and general welfare, the City may take immediate action to cure the default and the Contractor shall be liable for all costs and expenses associated with curing the default.

Compliance with the provisions of this Section shall only be a condition precedent to termination of this Agreement for cause. Such compliance shall not be a waiver of the City's right to take legal action in the event that the dispute is not cured. Further, compliance with this Section shall not be a waiver of the City's right to seek liquidated damages or other damages from the Contractor caused by the Contractor's failure to comply with any term of the Agreement.

5.5 Termination Prior to Expiration of Term.

Either party may terminate this Agreement at any time, with or without cause, upon thirty (30) days' written notice to the other party. Upon receipt of the notice of termination, the Contractor shall immediately cease all work or services hereunder except as may be specifically approved by the Contract Officer. In the event of termination by the City, Contractor shall be entitled to compensation for all services rendered prior to the effectiveness of the notice of termination and for such additional services specifically authorized by the Contract Officer and City shall be entitled to reimbursement for any compensation paid in excess of the services rendered.

5.6 Resolution of Contractor Construction Claims.

Public Contracts Code section 20104 et. seq. sets forth detailed procedures for resolving disputes of \$375,000 or less. In the event that a dispute, valued at \$375,000 or less, arises as a result of the work described in this Agreement, the Contractor shall notify the City in writing of its contentions by submitting a claim therefore. Contractor and City shall comply with the detailed procedures stipulated in Public Contract Code Section 20104-20104.6, for resolving claims of \$375,000 or less.

In the event of any dispute valued at more than \$375,000 arises as a result of the work described in this Agreement, the Contractor shall notify the City in writing of its contentions by submitting a detailed claim that sets forth the amount of damages, the basis and/or cause of the damages and all supporting documents which support the claim within ten (10) calendar days after the claim arose. Contractor agrees to submit any additional information or documents requested by the City so it can fully analyze the claim.

In the event of any dispute, the Contractor shall not be relieved of its obligations under this Agreement and shall continue performing its obligations hereunder unless the City agrees in writing to release the Contractor from its obligations under the Agreement. Compliance with the provisions of this Section shall be a condition precedent to any legal action.

6.0 CITY OFFICERS, EMPLOYEES, AND U.S. MEMBERS OF CONGRESS

6.1 Non-liability of City Officers and Employees

No officer or employee of the City shall be personally liable to the Contractor, or any successor in interest, in the event of any default or breach by the City or for any amount which may become due to the Contractor or to its successor, or for breach of any obligation of the terms of this Agreement.

6.2 Conflict of Interest

No officer or employee of the City shall have any financial interest, direct or indirect, in this Agreement nor shall any such officer or employee participate in any decision relating to the Agreement which effects his financial interest or the financial interest of any corporation, partnership or association in which he is, directly or indirectly, interested, in violation of any State statute or regulation. The Contractor warrants that it has not paid or given and will not pay or give any third party any money or other consideration for obtaining this Agreement.

7.0 NON-DISCRIMINATION AND EQUAL OPPORTUNITY

7.1 Covenants Against Discrimination

Contractor covenants that, by and for itself, its heirs, executors, assigns, and all persons claiming under or through them, that there shall be no discrimination against or segregation of, any person or group of persons on account of race, color, creed, religion, sex, marital status, national origin, or ancestry in the performance of this Agreement. Contractor shall take affirmative action to insure that applicants are employed and that employees are treated during employment without regard to their race, color, creed, religion, sex, marital status, national origin, or ancestry.

Statement of Equal Opportunity Clause

- (a) Contractor will not discriminate against any employee or applicant for employment because of race, color religion, sex, or national origin. Contractor will take affirmative action to ensure that applicants are employed and that employees are treated during employment, without

regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. Contractor agrees to post in a conspicuous place, available to employees and applicants for employment, notices to be provided by the County setting forth the provisions of this non-discriminating clause.

- (b) Contractor will ensure that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex or national origin.

8.0 MISCELLANEOUS PROVISIONS

8.1 Notice

Any notice, demand, request, document, consent, approval, or communication either party desires or is required to give to the other party or any other person shall be in writing and either served personally or sent by prepaid, first-class mail addressed as follows:

City
City of Perris
Public Works Department, Engineering Administration Division
101 N. "D" Street
Perris, CA 92570
ATTN: Michael Morales, Capital Improvements Project Manager

Contractor
United Storm Water, Inc.
14000 E. Valley Blvd.
Industry, CA 91746
ATTN: Eduardo Perry Jr., President

8.2 Handicap Accessibility Certification.

Contractor certifies that with respect to the public facilities or parts thereof that are altered by the work in this contract, the altered portions of the facilities shall be construed to be readily accessible to and usable by individuals with disabilities, including individuals who use wheelchairs, and meet the laws established by the Americans With Disabilities Act of 1990, Public Law 101-336, and applicable portions of Title 24 of the California Code of Regulations (Access Code).

8.3 Records Retention Clause Examination and Audit

Contractor shall maintain and keep books and records on a current basis, recording all transactions pertaining to this Agreement in a form in accordance with generally acceptable accounting principles. Said books and records shall be made available to the City of Perris, the State Auditor of California, the Federal Government and to any authorized representatives thereof for purposes of audit at all reasonable times and places. All such books and records shall be retained for such periods of time as required by law, provided, however, notwithstanding any shorter periods of retention, all books, records, and supporting detail shall be retained for a period of at least four (4) years after expiration of any agreement.

8.4 Payroll Records

Contractor shall comply with State Labor Code section 1776, and shall maintain and keep accurate payroll records of employees, and shall certify these records upon request by the City. Said payroll records shall be made available to the City, the State Division of Labor Standards Enforcement, and the State Division of Apprenticeship Standards. If the Contractor fails to comply with State Labor Code Section 1776, Contractor shall be held responsible for penalties as set forth in said section.

Contractor or Subcontractors shall be registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5. All Contractors and Subcontractors who perform work on this project must furnish electronic certified payroll reports directly to the Labor Commissioner (aka Division of Labor Standards Enforcement).

8.5 Prevailing Wages

Under the State Labor Code, Contractor shall not pay less than the general prevailing rate of per diem wages for work of a similar character in the locality in which the public work is performed, and not less than the general prevailing rate per diem wages for holiday, overtime, health and welfare, pension, vacation and similar purposes to all workers employed on the work described in this Agreement. The City has obtained from the Director of the Department of Industrial Relations, State of California, the determination of general prevailing rates of per diem wages believed to be applicable to the work described in this Agreement, including employer payments for health and welfare, pension, vacation and similar purposes. Contractor shall obtain from the City Clerk said General Prevailing Wage Determination, and post it in a conspicuous place at the site of the work described in this Agreement (Lab. Code § 1773.2.). The statutory provisions for penalties for failure to pay prevailing wages (Lab. Code § 1775) and for penalties for failure to comply with state's wage and hour laws shall be enforced. (Lab. Code § 1813.).

8.6 Working Hours Restriction and Penalties For Non-Compliance

Contractor agrees that eight (8) hours is a legal days work for all employees hired by the Contractor, and that any worker's time of service is restricted to eight (8) hours during any calendar day, and forty (40) hours during any calendar week, unless overtime compensation is paid at not less than one and one half times the basic rate of pay. Contractor shall comply with

said working hours restrictions and overtime compensation provisions, and shall pay a penalty of \$50.00 (fifty and 00/100 dollars) for each and every day a worker is employed in violation of said working hours restrictions and overtime compensation provisions.

8.7 Employment of Apprentices

Contractor shall comply with State Labor Code § 1777.5, and shall maintain and keep accurate records of apprentices who are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a State Apprenticeship Agency; and shall certify these records upon request by the City.

8.8 Interpretation

The terms of this Agreement shall be construed in accordance with the meaning of the language used and shall not be construed for or against either party by reason of the authorship of this Agreement or any other rule of construction which might otherwise apply.

8.9 Integration; Amendment

It is understood that there are no oral agreements between the parties hereto affecting this Agreement and this Agreement supersedes and cancels any and all previous negotiations, arrangements, agreements and understandings, if any, between the parties, and none shall be used to interpret this Agreement. This Agreement may be amended at any time by the mutual consent of the parties by an instrument in writing.

8.10 Severability

In the event that any one or more of the phrases, sentences, clauses, paragraphs, or sections contained in this Agreement shall be declared invalid or unenforceable by a valid judgment or decree of a court of competent jurisdiction, such invalidity or unenforceability shall not affect any of the remaining phrases, sentences, clauses, paragraphs, or sections of this Agreement which are hereby declared as severable and shall be interpreted to carry out the intent of the parties hereunder unless the invalid provision is so material that its invalidity deprives either party of the basic benefit of their bargain or renders this Agreement meaningless.

8.11 Corporate Authority

The persons executing this Agreement on behalf of the parties hereto warrant that (i) such party is duly organized and existing, (ii) they are duly authorized to execute and deliver this Agreement on behalf of said party, (iii) by so executing this Agreement, such party is formally bound to the provisions of this Agreement, and (iv) the entering into this Agreement does not violate any provision of any other Agreement to which said party is bound.

[END – SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the parties have executed and entered into this Agreement as of the date first written above.

CITY:
CITY OF PERRIS,
a municipal corporation

Richard Belmudez, City Manager

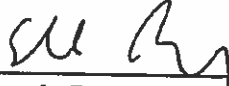
ATTEST:

Nancy Salazar, City Clerk

APPROVED AS TO FORM:
Aleshire & Wynder, LLP

Eric L. Dunn, City Attorney

CONTRACTOR:
UNITED STORM WATER, INC.,



Eduardo Perry, Jr., President

[END OF SIGNATURES]

NOTICE TO ALL BIDDERS

Completion and submittal of all enclosed forms including, but not limited to sheets BF-9 & BF-10 is required and must be included with original bid. Failure to submit the required documents shall be deemed as an incomplete bid and shall not be considered by City as a valid bid.

BID FORM

Bid Date: May 25, 2017
Time: 10:30 a.m. (PST)
Place: 101 North "D" Street, Perris
Project: "Maintenance of Storm Drain Line, Catch Basins and BMP's" (Spec. No. #FCD 1-2017-18-02)

TO THE CITY OF PERRIS, hereinafter called the Agency, the undersigned, as Bidder, declares that he has carefully examined the location of the project, that he has examined the plans and specifications and addenda (if any), and has read the Information for Bidders, and hereby proposes and agrees, if this bid is accepted, to furnish all materials to do all work required to complete the said plans and specifications in the time and manner herein prescribed for the Bid Price set forth in the Schedule of Bid Items.

Proposal of United Storm Water, Inc., hereinafter called "Bidder", organized and existing under the laws of the State of California, doing business as Corporation. Insert "a corporation", "a partnership", "a joint venture", or "an individual", as applicable.

No separate payment will be made for any item that is not specifically set forth in the Schedule of Bid Items. All costs, therefore, shall be included in the prices named in the Schedule of Bid Items for the various appurtenant items of work. In case of discrepancy between words and figures, words shall prevail.

By submission of this Bid, each Bidder certifies, and in the case of a joint Bid, each party thereto certifies, as to his own organization that this Bid has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this Bid with any other Bidder or with any competitor. Since time is of the essence, Bidder hereby agrees to commence work under this Contract on July 10, 2017 and to fully complete all work on or before the time periods specified in the Contract Documents after receiving the Notice to Proceed. Bidder agrees with the Agency that if the project is not fully completed within said time, he shall pay as liquidated damages the sum of \$500.00 (five hundred dollars) for each calendar day thereafter until such completion and that this amount shall be presumed to be the amount of damages sustained by Agency in the event of such a breach by Bidder, as it would be impracticable or extremely difficult to fix the actual damage. The undersigned, as Bidder proposes and agrees, if the proposal is accepted, that he will execute a Contract with the Agency in the form set forth in the Contract Documents and that he will accept in full payment thereof the following prices, to wit:

**MAINTENANCE OF STORM DRAIN LINE, CATCH BASINS AND BMP'S
SERVICES (SPEC. #FCD 1-2017-18-02)**

Bidder (Company Name): United Storm Water, Inc.

BID SCHEDULE

(A) BID ITEM NO.	(A) ESTIMATED QUANTITY AND UNIT	(B) ITEM DESCRIPTION	(C) UNIT PRICE (Figures)	(D) QUANTITY	(E) FREQUENCY BI-ANNUALLY SEMI, OR ANNUALLY	Yearly Price (Figures) (CxDxE)
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1) Base Bid Schedule – FC #2 (Tract 20538)

1. 59EA.		Remove and dispose of debris from catch basins with CPS units, (3 times per year)	<u>\$62.50</u> EA.	X59	X3	<u>\$ 11,062.50</u>
2. 59EA.		Inspect, photo document, and log conditions before and after cleaning of catch basins with CPS units, (3 times per year)	<u>\$ 0.50</u> EA.	X59	X3	<u>\$ 88.50</u>
3. 8 EA.		Remove and dispose of debris from catch basins, (2 times per year)	<u>\$62.50</u> EA.	X8	X2	<u>\$ 1,000.00</u>
4. 8 EA.		Inspect, photo document, and log conditions before and after cleaning of catch basins, (2 times per year)	<u>\$ 0.50</u> EA.	X8	X2	<u>\$ 8.00</u>
5. 133LF.		Remove and dispose of debris from all 12" RCP, bi-annually	<u>\$ 1.45</u> LF.	X133	X1	<u>\$ 192.85</u>
6. 133LF.		Video document and log condition after cleaning of all 12" RCP, bi-annually	<u>\$ 1.11</u> LF.	X133	X1	<u>\$ 147.63</u>
7. 2969LF.		Remove and dispose of debris from all 18" RCP, bi-annually	<u>\$ 1.45</u> LF.	X2969	X1	<u>\$ 4,305.05</u>
8. 2969LF.		Video document and log condition after cleaning of all 18" RCP, bi-annually	<u>\$ 1.11</u> LF.	X2969	X1	<u>\$ 3,295.59</u>

9. 1442LF.	Remove and dispose of debris from all 24" RCP, bi-annually	<u>\$ 1.45</u> LF.	<u>X1442</u>	<u>X1</u>	<u>\$ 2,090.90</u>
10. 1442LF.	Video document and log condition after cleaning of all 24" RCP, bi-annually	<u>\$ 1.11</u> LF.	<u>X1442</u>	<u>X1</u>	<u>\$ 1,600.62</u>
11. 2095LF.	Remove and dispose of debris from all 30" RCP, bi-annually	<u>\$ 1.45</u> LF.	<u>X2095</u>	<u>X1</u>	<u>\$ 3,037.75</u>
12. 2095LF.	Video document and log condition after cleaning of all 30" RCP, bi-annually	<u>\$ 1.11</u> LF.	<u>X2095</u>	<u>X1</u>	<u>\$ 2,325.45</u>
13. 3001LF	Remove and dispose of debris from all 36" RCP, bi-annually	<u>\$ 1.45</u> LF.	<u>X3001</u>	<u>X1</u>	<u>\$ 4,351.45</u>
14. 3001LF.	Video document and log condition after cleaning of all 36" RCP, bi-annually	<u>\$ 1.14</u> LF.	<u>X3001</u>	<u>X1</u>	<u>\$ 3,421.14</u>
15. 738LF.	Remove and dispose of debris from all 48" RCP, bi-annually	<u>\$ 1.45</u> LF.	<u>X738</u>	<u>X1</u>	<u>\$ 1,070.10</u>
16. 738LF.	Video document and log condition after cleaning of all 48" RCP, bi-annually	<u>\$ 1.18</u> LF.	<u>X738</u>	<u>X1</u>	<u>\$ 870.84</u>
17. 67EA.	Provide and install painted stencil message per plans and specifications, annually	<u>\$ 6.00</u> EA.	<u>X67</u>	<u>X1</u>	<u>\$ 402.00</u>
Subtotal FC#2	<u>thirty-nine thousand, two hundred seventy dollars and thirty-seven cents</u>				<u>\$ 39,270.37</u> (In Figures)

2) Bid Schedule - FC#14C (Tract 30380)

18. 15 EA.	Remove and dispose of debris from catch basins with CPS screens, (3 times per year)	<u>\$ 62.50</u> EA.	<u>X15</u>	<u>X3</u>	<u>\$ 2,812.50</u>
19. 15 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins with CPS screens, (3 times per year)	<u>\$ 0.50</u> EA.	<u>X15</u>	<u>X3</u>	<u>\$ 22.50</u>

20. 1 EA.	Remove and dispose of debris from catch basins, (2 times per year)	\$ <u>62.50</u>	X1	X2	\$ <u>125.00</u>
		EA.			
21. 1 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basin, (2 times per year)	\$ <u>0.50</u>	X1	X2	\$ <u>1.00</u>
		EA.			
22. 3008 LF.	Remove and dispose of debris from all 18" RCP, bi-annually	\$ <u>1.45</u>	X3008	X1	\$ <u>4,361.60</u>
		LF.			
23. 3008 LF.	Inspect, video document and log condition after cleaning of all 18" RCP, bi-annually	\$ <u>1.11</u>	X3008	X1	\$ <u>3,338.88</u>
		LF.			
24. 16EA.	Provide and install painted stencil message per plans and specifications, annually	\$ <u>6.00</u>	X16	X1	\$ <u>96.00</u>
		EA.			
Subtotal FC#14C	<i>Ten thousand, seven hundred fifty-seven dollars and forty-eight cents</i>				\$ <u>10,757.48</u> (In Figures)

3) Bid Schedule - FC#15 (Tract 28986)

25. 30 EA.	Remove and dispose of debris from catch basins, (2 times per year)	\$ <u>62.50</u>	X30	X2	\$ <u>3,750.00</u>
		EA.			
26. 30 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins, (2 times per year)	\$ <u>0.50</u>	X30	X2	\$ <u>30.00</u>
		EA.			
27. 2264LF.	Remove and dispose of debris from all 18" RCP, annually	\$ <u>1.45</u>	X2264	X1	\$ <u>3,282.80</u>
		LF.			
28. 2264LF.	Video document and log condition after cleaning of all 18" RCP, annually	\$ <u>1.11</u>	X2264	X1	\$ <u>2,513.04</u>
		LF.			
29. 1060LF.	Remove and dispose of debris from all 24" RCP, annually	\$ <u>1.45</u>	X1060	X1	\$ <u>1,537.00</u>
		LF.			
30. 1060LF.	Video document and log condition after cleaning of all 24" RCP, annually	\$ <u>1.11</u>	X1060	X1	\$ <u>1,176.60</u>
		LF.			

31. 1236LF.	Remove and dispose of debris from all 30" RCP, annually	\$ 1.45 LF.	X1236	X1	\$ 1,792.20
32. 1236LF.	Video document and log condition after cleaning of all 30" RCP, annually	\$ 1.11 LF.	X1236	X1	\$ 1,371.96
33. 1293LF.	Remove and dispose of debris from all 36" RCP, annually	\$ 1.45 LF.	X1293	X1	\$ 1,874.85
34. 1293LF.	Video document and log condition after cleaning of all 36" RCP, annually	\$ 1.14 LF.	X1293	X1	\$ 1,474.02
35. 1559LF.	Remove and dispose of debris from all 42" RCP, annually	\$ 1.45 LF.	X1559	X1	\$ 2,260.55
36. 1559LF.	Video document and log condition after cleaning of all 42" RCP, annually	\$ 1.14 LF.	X1559	X1	\$ 1,777.26
37. 501LF.	Remove and dispose of debris from all 48" RCP, annually	\$ 1.45 LF.	X501	X1	\$ 726.45
38. 501LF.	Video document and log condition after cleaning of all 48" RCP, annually	\$ 1.18 LF.	X501	X1	\$ 591.18
39. 5 EA.	Inspect, photo document, and log conditions before and after cleaning of 36" CMP drop inlets within detention basins, annually	\$ 0.50 EA.	X5	X1	\$ 2.50
40. 5 EA.	Remove and dispose of debris from of 36" CMP Drop Inlets within detention basins, annually	\$ 62.50 EA.	X5	X1	\$ 312.50
41. 30 EA.	Provide and install painted stencil message per plans and specifications, annually	\$ 6.00 EA.	X30	X1	\$ 180.00

Subtotal
FC#15

twenty-four thousand, six hundred
fifty-two dollars and ninety-one cents \$ 24,652.91
(In Figures)

4) Bid Schedule – FC#16 (Tract 24111)

42. 17EA.	Remove and dispose of debris from catch basins, (2 times per year)	\$ <u>62.50</u> EA.	X17	X2	\$ <u>2125.00</u>
43. 17EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins, (2 times per year)	\$ <u>0.50</u> EA.	X17	X2	\$ <u>17.00</u>
44. 818LF.	Remove and dispose of debris from all 18" RCP, annually	\$ <u>1.45</u> LF.	X818	X1	\$ <u>1,186.10</u>
45. 818LF.	Video document and log condition after cleaning of all 18" RCP, annually	\$ <u>1.11</u> LF.	X818	X1	\$ <u>907.98</u>
46. 1018LF.	Remove and dispose of debris from all 30" RCP, annually	\$ <u>1.45</u> LF.	X1018	X1	\$ <u>1,476.10</u>
47. 1018LF.	Video document and log condition after cleaning of all 30" RCP, annually	\$ <u>1.11</u> LF.	X1018	X1	\$ <u>1,129.98</u>
48. 596LF.	Remove and dispose of debris from all 42" RCP, annually	\$ <u>1.45</u> LF.	X596	X1	\$ <u>864.20</u>
49. 596LF.	Video document and log condition after cleaning of all 42" RCP, annually	\$ <u>1.14</u> LF.	X596	X1	\$ <u>679.44</u>
50. 577LF.	Remove and dispose of debris from all 48" RCP, annually	\$ <u>1.45</u> LF.	X577	X1	\$ <u>836.65</u>
51. 577LF.	Video document and log condition after cleaning of all 48" RCP, annually	\$ <u>1.18</u> LF.	X577	X1	\$ <u>680.86</u>
52. 3 EA.	Inspect, photo document, and log conditions before and after cleaning of Hydrodynamic Separators, Models ADS 30, annually	\$ <u>150.00</u> EA.	X3	X1	\$ <u>450.00</u>

53. 3 EA.	Remove and dispose of debris from Hydrodynamic Separator, Models ADS 30, annually	<u>\$ 1100.00</u>	X3	X1	<u>\$ 3,300.00</u>
		EA.			
54. 1 EA.	Inspect, photo document, and log conditions before and after cleaning of Hydrodynamic Separators, Models ADS 42, annually	<u>\$ 150.00</u>	X1	X1	<u>\$ 150.00</u>
		EA.			
55. 1 EA.	Remove and dispose of debris from Hydrodynamic Separator, Models ADS 42, annually	<u>\$ 1100.00</u>	X1	X1	<u>\$ 1,100.00</u>
		EA.			
56. 17 EA.	Provide and install painted stencil message per plans and specifications, annually	<u>\$ 6.00</u>	X17	X1	<u>\$ 102.00</u>
		EA.			
Subtotal FC#16	<u>fifteen thousand five dollars and thirty-one cents</u>				<u>\$ 15,005.31</u> (In Figures)

5) Bid Schedule - FC # 22 (Tract 30490 & 30518)

57. 67 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins, (2 times per year)	<u>\$ 0.50</u>	X67	X2	<u>\$ 67.00</u>
		EA.			
58. 67 EA.	Remove and dispose of debris from catch basins, (2 times per year)	<u>\$ 62.50</u>	X67	X2	<u>\$ 8,375.00</u>
		EA.			
59. 27 LF.	Remove and dispose of debris from all 12" RCP, annually	<u>\$ 1.45</u>	X27	X1	<u>\$ 39.15</u>
		LF.			
60. 27 LF.	Video document and log condition after cleaning of all 12" RCP, annually	<u>\$ 1.11</u>	X27	X1	<u>\$ 29.97</u>
		LF.			
61. 3784 LF.	Remove and dispose of debris from all 18" RCP, annually	<u>\$ 1.45</u>	X3784	X1	<u>\$ 5,486.80</u>
		LF.			
62. 3784 LF.	Video document and log condition after cleaning of all 18" RCP, annually	<u>\$ 1.11</u>	X3784	X1	<u>\$ 4,200.24</u>
		LF.			

63. 1503 LF.	Remove and dispose of debris from all 24" RCP, annually	\$ 1.45 LF.	X1503	X1	\$ 2,179.35
64. 1503 LF.	Video document and log condition after cleaning of all 24" RCP, annually	\$ 1.11 LF.	X1503	X1	\$ 1,668.33
65. 853 LF.	Remove and dispose of debris from all 30" RCP, annually	\$ 1.45 LF.	X853	X1	\$ 1,236.85
66. 853 LF.	Video document and log condition after cleaning of all 30" RCP, annually	\$ 1.11 LF.	X853	X1	\$ 946.83
67. 1219 LF.	Remove and dispose of debris from all 36" RCP, annually	\$ 1.45 LF.	X1219	X1	\$ 1,767.55
68. 1219 LF.	Video document and log condition after cleaning of all 36" RCP, annually	\$ 1.14 LF.	X1219	X1	\$ 1,389.66
69. 162 LF.	Remove and dispose of debris from all 42" RCP, annually	\$ 1.45 LF.	X162	X1	\$ 234.90
70. 162 LF.	Video document and log condition after cleaning of all 42" RCP, annually	\$ 1.14 LF.	X162	X1	\$ 184.68
71. 679 LF.	Remove and dispose of debris from all 54" RCP located on Evans Rd, Rider St and alley of Lot A 31, annually	\$ 1.45 LF.	X679	X1	\$ 984.55
72. 679 LF.	Video document and log condition after cleaning of all 54" RCP located on Evans Rd, Rider St and alley of Lot A 31, annually, annually	\$ 1.23 LF.	X679	X1	\$ 835.17
73. 1615 LF.	Remove and dispose of debris from all 66" RCP located on Evans Rd., annually	\$ 1.45 LF.	X1615	X1	\$ 2,341.75

74. 1615 LF. Video document and log condition after cleaning of all 66" RCP located on Evans Rd., annually \$ 1.26 X1615 X1 \$ 2034.90
LF.

75. 5 EA. Remove and dispose of debris from Hydrodynamic Separator, Models PSW 30, annually \$ 1,100.00 X5 X1 \$ 5,500.00
EA.

76. 5 EA. Inspect, photo document, and log conditions before and after cleaning of Hydrodynamic Separators, Models PSW 30, annually \$ 150.00 X5 X1 \$ 750.00
EA.

77. 67EA. Provide and install painted stencil message per plans and specifications, annually \$ 6.00 X67 X1 \$ 402.00
EA.

Subtotal forty thousand six hundred fifty-four \$40,654.68
FC#22 Dollars and sixty-eight cents (In Figures)

6) Bid Schedule - FCD# 23(Tract 31114)

78. 7 EA. Inspect, photo document, and log conditions before and after cleaning of catch basins with CPS units, (3 times per year) \$ 0.50 X7 X3 \$ 10.50
EA.

79. 7 EA. Remove and dispose of debris from catch basins with CPS units (3 times per year) \$ 62.50 X7 X3 \$ 1,312.50
EA.

80. 1 EA. Inspect, photo document, and log conditions before and after cleaning of Hydrodynamic Separator, Model Vortech 4000, bi-annually \$ 1,100.00 X1 X1 \$ 1,100.00
EA.

81. 1 EA. Remove and dispose of debris from Hydrodynamic Separator, Model Vortech 4000, bi-annually \$ 150.00 X1 X1 \$ 150.00
EA.

82. 1022 LF. Remove and dispose of debris from all 18" HDPE, bi-annually \$ 1.45 X1022 X1 \$ 1,481.90
LF.

83. 1022 LF.	Video document and log condition after cleaning of all 18" HDPE, bi-annually	\$ 1.11 LF.	X1022	X1	\$ 1,134.42
84. 75 LF.	Remove and dispose of debris from all 24" RCP, bi-annually	\$ 1.45 LF.	X75	X1	\$ 108.75
85. 75 LF.	Video document and log condition after cleaning of all 24" RCP, bi-annually	\$ 1.11 LF.	X75	X1	\$ 83.25
86. 7 EA.	Provide and install painted stencil message per plans and specifications, annually	\$ 6.00 EA.	X7	X1	\$ 42.00
FCD#23 Subtotal	Five thousand, four hundred twenty-three dollars and thirty-two cents				\$ 5,423.32 (In Figures)

7) Bid Schedule - FCD# 24(Tract 31241)

87. 20 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins with CPS units (3 times per year)	\$ 0.50 EA.	X20	X3	\$ 30.00
88. 20 EA.	Remove and dispose of debris from catch basins with CPS units (3 times per year)	\$ 62.50 EA.	X20	X3	\$ 3750.00
89. 3 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins (2 times per year)	\$ 0.50 EA.	X3	X2	\$ 3.00
90. 3 EA.	Remove and dispose of debris from catch basins (2 times per year)	\$ 62.50 EA.	X3	X2	\$ 375.00
91. 2 EA.	Inspect, photo document, and log conditions before and after cleaning of Hydrodynamic Separators, Models Vortech 5000, bi-annually	\$ 150.00 EA.	X2	X1	\$ 300.00

92. 2 EA.	Remove and dispose of debris from Hydrodynamic Separator, Models Vortech 5000, bi-annually	\$ 1700. ⁰⁰	X2	X1	\$ 3400. ⁰⁰
	EA.				
93. 345 LF.	Remove and dispose of debris from all 18" CMP (115'x3), bi-annually	\$ 1.45	X345	X1	\$ 500.25
	LF.				
94. 345 LF.	Video document and log condition after cleaning of all 18" CMP (115'x3), bi-annually	\$ 1.11	X345	X1	\$ 382.95
	LF.				
95. 764 LF.	Remove and dispose of debris from all 18" RCP, bi-annually	\$ 1.45	X764	X1	\$ 1,107. ⁸⁰
	LF.				
96. 764LF.	Video document and log condition after cleaning of all 18" RCP, bi-annually	\$ 1.11	X764	X1	\$ 848. ⁰⁴
	LF.				
97. 548LF.	Remove and dispose of debris from all 24" RCP, bi-annually	\$ 1.45	X548	X1	\$ 794. ⁶⁰
	LF.				
98. 548 LF.	Video document and log condition after cleaning of all 24" RCP, bi-annually	\$ 1.11	X548	X1	\$ 608. ²⁸
	LF.				
99. 4114 LF.	Remove and dispose of debris from all 36" RCP, bi-annually	\$ 1.45	X4114	X1	\$ 5,965. ³⁰
	LF.				
100. 4114 LF.	Video document and log condition after cleaning of all 36" RCP, bi-annually	\$ 1.14	X4114	X1	\$ 4,689. ⁹⁶
	LF.				
101. 23EA.	Provide and install painted stencil message per plans and specifications, annually	\$ 6.00	X23	X1	\$ 138. ⁰⁰
	EA.				
FCD#24	<i>twenty-two thousand, eight hundred</i>			\$ 22,893.18	
Subtotal	<i>ninety-three dollars and eighteen cents</i>			(In Figures)	

8) Bid Schedule - FCD# 29(Tract 31178)

102. 22 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins with CPS units, (3 times per year)	\$ 0.50	X22	X3	\$ 33. ⁰⁰
		EA.			

103. 22 EA.	Remove and dispose of debris from catch basins with CPS units, (3 times per year)	<u>\$ 62.50</u> EA.	X22	X3	<u>\$ 4,125.00</u>
104. 5EA.	Inspect, photo document, and log conditions before and after cleaning of curb opening catch basin with grating, Type 302-2, (2 times per year)	<u>\$ 0.50</u> EA.	X5	X2	<u>\$ 5.00</u>
105. 5 EA.	Remove and dispose of debris from curb opening catch basins with grating, Type 302-2, (2 times per year)	<u>\$ 62.50</u> EA.	X5	X2	<u>\$ 625.00</u>
106. 1 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basin, (2 times per year)	<u>\$ 0.50</u> EA.	X1	X2	<u>\$ 1.00</u>
107. 1 EA.	Remove and dispose of debris from catch basin, (2 times per year)	<u>\$ 62.50</u> EA.	X1	X2	<u>\$ 125.00</u>
108. 1 EA.	Inspect, photo document, and log conditions before and after cleaning of Hydrodynamic Separator, Model Vortech 5000, bi-annually	<u>\$ 150.00</u> EA.	X1	X1	<u>\$ 150.00</u>
109. 1EA.	Remove and dispose of debris from Hydrodynamic Separator, Model Vortech 5000, bi-annually	<u>\$ 1700.00</u> EA.	X1	X1	<u>\$ 1,700.00</u>
110. 524 LF.	Video document and log condition after cleaning of all 18" RCP, bi-annually	<u>\$ 1.11</u> LF.	X524	X1	<u>\$ 581.64</u>
111. 524 LF.	Remove and dispose of debris from all 18" RCP, bi-annually	<u>\$ 1.45</u> LF.	X524	X1	<u>\$ 759.80</u>

112. 1376LF	Video document and log condition after cleaning of all 24" RCP, bi-annually	\$ 1.11 LF.	X1376	X1	\$ 1,527.36
113. 1376LF.	Remove and dispose of debris from all 24" RCP, bi-annually	\$ 1.45 LF.	X1376	X1	\$ 1,995.20
114. 1289LF.	Video document and log condition after cleaning of all 36" RCP, bi-annually	\$ 1.14 LF.	X1289	X1	\$ 1,469.46
115. 1289LF.	Remove and dispose of debris from all 36" RCP, bi-annually	\$ 1.45 LF.	X1289	X1	\$ 1,869.05
116. 1489LF.	Video document and log condition after cleaning of all 48" RCP, bi-annually	\$ 1.18 LF.	X1489	X1	\$ 1,757.02
117. 1489LF.	Remove and dispose of debris from all 48" RCP, bi-annually	\$ 1.45 LF.	X1489	X1	\$ 2,159.05
118. 677LF.	Video document and log condition after cleaning of all 60" RCP, bi-annually	\$ 1.26 LF.	X677	X1	\$ 853.02
119. 677LF.	Remove and dispose of debris from all 60" RCP, bi-annually	\$ 1.45 LF.	X677	X1	\$ 981.65
120. 28EA.	Provide and install painted stencil message per plans and specifications, annually	\$ 6.00 EA.	X28	X1	\$ 168.00
FCD#29 Subtotal	<u>Twenty thousand, eight hundred eighty-five dollars and twenty-five cents</u>				<u>\$ 20,885.25</u> (In Figures)

9) Bid Schedule - FC# 31 (TR 29425)

121. 37 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins, (2 times per year)	\$ 0.50 EA.	X37	X2	\$ 37.00
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122.	37 EA.	Remove and dispose of debris from catch basins, (2 times per year)	<u>\$62.50</u> EA.	X37	X2	<u>\$ 4625.⁰⁰</u>
123.	698LF.	Remove and dispose of debris from all 18" RCP, annually	<u>\$ 1.45</u> LF.	X698	X1	<u>\$ 1012.¹⁰</u>
124.	698LF.	Video document and log condition after cleaning of all 18" RCP, annually	<u>\$ 1.11</u> LF.	X698	X1	<u>\$ 774.⁷⁸</u>
125.	1447LF.	Remove and dispose of debris from all 24" RCP, annually	<u>\$ 1.45</u> LF.	X1447	X1	<u>\$ 2098.¹⁵</u>
126.	1447LF.	Video document and log conditions after cleaning of all 24" RCP, annually	<u>\$ 1.11</u> LF.	X1447	X1	<u>\$ 1606.¹⁷</u>
127.	1964LF.	Remove and dispose of debris from all 30" RCP, annually	<u>\$ 1.45</u> LF.	X1964	X1	<u>\$ 2847.⁸⁰</u>
128.	1964LF.	Video document and log conditions after cleaning of all 30" RCP, annually	<u>\$ 1.11</u> LF.	X1964	X1	<u>\$ 2180.⁰⁴</u>
129.	1092LF.	Remove and dispose of debris from all 36" RCP, annually	<u>\$ 1.45</u> LF.	X1092	X1	<u>\$ 1583.⁴⁰</u>
130.	1092LF.	Video document and log conditions after cleaning of all 36" RCP, annually	<u>\$ 1.14</u> LF.	X1092	X1	<u>\$ 1244.⁸⁸</u>
131.	189 LF.	Remove and dispose of debris from all 48" RCP, annually	<u>\$ 1.45</u> LF.	X189	X1	<u>\$ 274.⁰⁵</u>
132.	189 LF.	Inspect ,video document and log conditions after cleaning of all 48" RCP, annually	<u>\$ 1.18</u> LF.	X189	X1	<u>\$ 223.⁰²</u>
133.	1 EA.	Inspect, photo document, and log conditions before and after cleaning of Hydrodynamic Separator, Model VS 60, annually	<u>\$ 150.⁰⁰</u> EA.	X1	X1	<u>\$ 150.⁰⁰</u>

134. 1 EA.	Remove and dispose of debris from Hydrodynamic Separator, Model VS 60, annually	<u>\$ 2,100.⁰⁰</u> EA.	X1	X1	<u>\$ 2,100.⁰⁰</u>
135. 1 EA.	Inspect, photo document, and log conditions before and after cleaning of Hydrodynamic Separator, Model Vortech 5000, annually	<u>\$ 150.⁰⁰</u> EA.	X1	X1	<u>\$ 150.⁰⁰</u>
136. 1 EA.	Remove and dispose of debris from Hydrodynamic Separator, Model Vortech 5000, annually	<u>\$ 2,100.⁰⁰</u> EA.	X1	X1	<u>\$ 2,100.⁰⁰</u>
137. 37 EA.	Provide and install painted stencil message per plans and specifications, annually	<u>\$ 6.⁰⁰</u> EA.	X37	X1	<u>\$ 222.⁰⁰</u>
Subtotal FC#31	<u>twenty-three thousand, two hundred twenty-eight dollars and thirty-nine cents</u>				<u>\$ 23,228.³⁹</u> (In Figures)

10) Bid Schedule - FC# 32A (TR 30773)

138. 16 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins, (2 times per year)	<u>\$ 0.50</u> EA.	X16	X2	<u>\$ 16.⁰⁰</u>
139. 16 EA.	Remove and dispose of debris from catch basins, (2 times per year)	<u>\$ 125.00</u> EA.	X16	X2	<u>\$ 2,000.⁰⁰</u>
140. 510 LF.	Inspect, video document and log condition after cleaning of all 18" RCP, annually	<u>\$ 1.11</u> LF.	X510	X1	<u>\$ 566.¹⁰</u>
141. 510 LF.	Remove and dispose of debris from all 18" RCP, annually	<u>\$ 1.45</u> LF.	X510	X1	<u>\$ 739.⁵⁰</u>
142. 574 LF.	Inspect, video document and log condition after cleaning of all 24" RCP, annually	<u>\$ 1.11</u> LF.	X574	X1	<u>\$ 637.¹⁴</u>
143. 574 LF.	Remove and dispose of debris from all 24" RCP, annually	<u>\$ 1.45</u> LF.	X574	X1	<u>\$ 832.³⁰</u>

144. 214 LF.	Inspect, video document and log condition after cleaning of all 30" RCP, annually	\$ 1.11 LF.	X214	X1	\$ 237.54
145. 214 LF.	Remove and dispose of debris from all 30" RCP, annually	\$ 1.45 LF.	X214	X1	\$ 310.30
146. 82 LF.	Inspect, video document and log condition after cleaning of all 36" RCP, annually	\$ 1.14 LF.	X82	X1	\$ 93.48
147. 82 LF.	Remove and dispose of debris from all 36" RCP, annually	\$ 1.45 LF.	X82	X1	\$ 118.90
148. 120 LF.	Inspect, video document and log condition after cleaning of all 42" RCP, annually	\$ 1.14 LF.	X120	X1	\$ 136.80
149. 120 LF.	Remove and dispose of debris from all 42" RCP, annually	\$ 1.45 LF.	X120	X1	\$ 174.00
150. 1 EA.	Inspect, photo document, and log conditions before and after cleaning of Hydrodynamic Separator, Model PSW 30-30, annually	\$ 150.00 EA.	X1	X1	\$ 150.00
151. 1 EA.	Remove and dispose of debris from Hydrodynamic Separator, Model PSW 30-30, annually	\$ 1,100.00 EA.	X1	X1	\$ 1,100.00
152. 1 EA.	Inspect, photo document, and log conditions before and after cleaning of Hydrodynamic Separator, Model PSMU 20-15, annually	\$ 150.00 EA.	X1	X1	\$ 150.00
153. 1 EA.	Remove and dispose of debris from Hydrodynamic Separator, Model PSMU 20-15, annually	\$ 1,100.00 EA.	X1	X1	\$ 1,100.00
154. 16 EA.	Provide and install painted stencil message per plans and specifications, annually	\$ 6.00 EA.	X16	X1	\$ 96.00

Subtotal
FC#32A

eight thousand, four hundred fifty-eight
dollars and six cents
BF-20

\$8,458.06
(In Figures)

11) Bid Schedule – FCD# 32B (Tract 30773)

155. 36 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins with CPS units, (3 times per year)	\$ 6.50 EA.	X36	X3	\$ 54.00
156. 36 EA.	Remove and dispose of debris from catch basins with CPS units, (3 times per year)	\$ 62.50 EA.	X36	X3	\$ 6750.00
157. 5EA.	Inspect, photo document, and log conditions before and after cleaning of Hydrodynamic Separators, Model CDS PSW 30-30, bi-annually	\$ 150.00 EA.	X5	X1	\$ 750.00
158. 5EA.	Remove and dispose of debris from Hydrodynamic Separators, Model CDS PSW30-30, bi-annually	\$ 1,100.00 EA.	X5	X1	\$ 5500.00
159. 2652 LF.	Video document and log condition after cleaning of all 18" RCP, bi-annually	\$ 1.11 LF.	X2652	X1	\$ 2943.72
160. 2652 LF.	Remove and dispose of debris from all 18" RCP, bi-annually	\$ 1.45 LF.	X2652	X1	\$ 3845.40
161. 899LF.	Video document and log condition after cleaning of all 24" RCP, bi-annually	\$ 1.11 LF.	X899	X1	\$ 997.89
162. 899LF.	Remove and dispose of debris from all 24" RCP, bi-annually	\$ 1.45 LF.	X899	X1	\$ 1303.55
163. 334LF.	Video document and log condition after cleaning of all 30" RCP, bi-annually	\$ 1.11 LF.	X334	X1	\$ 370.74
164. 334LF.	Remove and dispose of debris from all 30" RCP, bi-annually	\$ 1.45 LF.	X334	X1	\$ 484.30
165. 700LF.	Video document and log condition after cleaning of all 36" RCP, bi-annually	\$ 1.14 LF.	X700	X1	\$ 798.00

166. 700 LF. Remove and dispose of debris from all 36" RCP, bi-annually \$ 1.45 X700 X1 \$ 1,015.00
LF.

167. 36 EA. Provide and install painted stencil message per plans and specifications, annually \$ 6.00 X36 X1 \$ 216.00
EA.

FCD#32B twenty-five thousand twenty-eight \$ 25,028.60
Subtotal dollars and sixty cents (In Figures)

12) Bid Schedule -- FCD# 33 (Tract DPR 01-0123)

168. 4 EA. Inspect, photo document, and log conditions before and after cleaning of catch basins with CPS units, (3 times per year) \$ 0.50 X4 X3 \$ 6.00
EA.

169. 4 EA. Remove and dispose of debris from catch basin with CPS units, (3 times per year) \$ 62.50 X4 X3 \$ 750.00
EA.

170. 2 EA. Inspect, photo document, and log conditions before and after cleaning of catch basins, (2 times per year) \$ 0.50 X2 X2 \$ 2.00
EA.

171. 2 EA. Remove and dispose of debris from catch basin, (2 times per year) \$ 62.50 X2 X2 \$ 250.00
EA.

172. 120LF. Remove and dispose of debris from all 12" PVC, bi-annually \$ 1.45 X120 X1 \$ 174.00
LF.

173. 120LF. Video document and log condition after cleaning of all 12" PVC, bi-annually \$ 1.11 X120 X1 \$ 133.20
LF.

174. 105LF. Remove and dispose of debris from all 24" RCP, bi-annually \$ 1.45 X105 X1 \$ 152.25
LF.

175. 105LF. Video document and log condition after cleaning of all 24" RCP, bi-annually \$ 1.11 X105 X1 \$ 116.55
LF.

176. 300LF.	Remove and dispose of debris from all 30" RCP, bi-annually	\$ 1.45 LF.	X300	X1	\$ 435.00
177. 300LF.	Video document and log condition after cleaning of all 30" RCP, bi-annually	\$ 1.11 LF.	X300	X1	\$ 333.00
178. 6 EA.	Provide and install painted stencil message per plans and specifications, annually	\$ 6.00 EA.	X6	X1	\$ 36.00
FCD#33 Subtotal	<i>two thousand, three hundred eighty - eight dollars and zero cents</i>				\$ 2388.00 (In Figures)

13) Bid Schedule - FCD# 34(Tract 32262)

179. 49 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins with CPS unit, (3 times per year)	\$ 0.50 EA.	X49	X3	\$ 73.50
180. 49 EA.	Remove and dispose of debris from catch basins with CPS unit, (3 times per year)	\$ 62.50 EA.	X49	X3	\$ 9187.50
181. 1 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins, (2 times per year)	\$ 0.50 EA.	X1	X2	\$ 1.00
182. 1 EA.	Remove and dispose of debris from catch basins, (2 times per year)	\$ 62.50 EA.	X1	X2	\$ 125.00
183. 4 EA.	Inspect, photo document, and log conditions before and after cleaning 36" CMP Inlets Riser, annually	\$ 0.50 EA.	X4	X1	\$ 2.00
184. 4 EA.	Remove and dispose of debris from 36" CMP inlets Riser, annually	\$ 62.50 EA.	X4	X1	\$ 250.00
185. 761LF.	Video document and log condition after cleaning of all 18" RCP, bi-annually	\$ 1.11 LF.	X761	X1	\$ 844.71

186. 761LF.	Remove and dispose of debris from all 18" RCP, bi-annually	\$ 1.45 LF.	X761	X1	\$ 1,103.45
187. 1590LF.	Video document and log condition after cleaning of all 24" RCP, bi-annually	\$ 1.11 LF.	X1590	X1	\$ 1,764.90
188. 1590LF.	Remove and dispose of debris from all 24" RCP, bi-annually	\$ 1.45 LF.	X1590	X1	\$ 2,305.50
189. 4395LF.	Video document and log condition after cleaning of all 48" RCP, bi-annually	\$ 1.18 LF.	X4395	X1	\$ 5,186. ¹⁰
190. 4395LF.	Remove and dispose of debris from all 48" RCP, bi-annually	\$ 1.45 LF.	X4395	X1	\$ 6,372.75
191. 3377LF.	Video document and log condition after cleaning of all 60" RCP, bi-annually	\$ 1.26 LF.	X3377	X1	\$ 4,255. ⁰²
192. 3377LF.	Remove and dispose of debris from all 60" RCP, bi-annually	\$ 1.45 LF.	X3377	X1	\$ 4,896.65
193. 762LF.	Video document and log condition after cleaning of all 66" RCP, bi-annually	\$ 1.26 LF.	X762	X1	\$ 960. ¹²
194. 762LF.	Remove and dispose of debris from all 66" RCP, bi-annually	\$ 1.45 LF.	X762	X1	\$ 1,104. ⁹⁰
195. 50EA.	Provide and install painted stencil message per plans and specifications, annually	\$ 6.00 EA.	X50	X1	\$ 300. ⁰⁰
FCD#34	<i>thirty-eight thousand, seven hundred</i>				\$ 38,733. ¹⁰
Subtotal	<i>thirty-three dollars and ten cents.</i>				(In Figures)

14) Bid Schedule - FC# 36 (Triple Crown Elementary)

196. 4EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins, (2 times per year)	\$ 0.50 EA.	X4	X2	\$ 4.00
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197. 4EA.	Remove and dispose of debris from catch basins, (2 times per year)	<u>\$ 62.50</u> EA.	X4	X2	<u>\$ 500.00</u>
198. 104 LF.	Remove and dispose of debris from all 18" RCP, annually	<u>\$ 1.45</u> LF.	X104	X1	<u>\$ 150.80</u>
199. 104 LF.	Video document and log conditions after cleaning of all 18" RCP, annually	<u>\$ 1.11</u> LF.	X104	X1	<u>\$ 115.44</u>
200. 42 LF.	Remove and dispose of debris from all 24" RCP, annually	<u>\$ 1.45</u> LF.	X42	X1	<u>\$ 60.90</u>
201. 42LF.	Video document and log conditions after cleaning of all 24" RCP, annually	<u>\$ 1.11</u> LF.	X42	X1	<u>\$ 46.62</u>
202. 1 EA.	Inspect, photo document, and log conditions, before and after cleaning Hydrodynamic Separator, Model Vortech 2000 (located in parking lot), annually	<u>\$ 150.00</u> EA.	X1	X1	<u>\$ 150.00</u>
203. 1 EA.	Remove and dispose of debris from Hydrodynamic Separator, Model Vortech 2000 (located in the parking lot), annually	<u>\$ 1100.00</u> EA.	X1	X1	<u>\$ 1,100.00</u>
204. 1 EA.	Inspect, photo document, and log conditions before and after cleaning of 36" CMP Inlet Riser, annually	<u>\$ 0.50</u> EA.	X1	X1	<u>\$ 0.50</u>
205. 1 EA.	Remove and dispose of debris from of 36" CMP Inlet Riser, annually	<u>\$ 62.50</u> EA.	X1	X1	<u>\$ 62.50</u>
206. 4 EA.	Provide and install painted stencil message per plans and specifications, annually	<u>\$ 6.00</u> EA.	X4	X1	<u>\$ 24.00</u>

Subtotal FC#36	<u>two thousand, two hundred fourteen dollars and seventy-six cents</u>	<u>\$ 2,214.76</u> (In Figures)
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15) Bid Schedule – FCD# 37(DPR 04-0343)

207. 3EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins and WCS CPS, (3 times per year)	\$ 0.50 EA.	X3	X3	\$ 4.50
208. 3EA.	Remove and dispose of debris from catch basins and WCS CPS, (3 times per year)	\$ 62.50 EA.	X3	X3	\$ 562.50
209. 1EA.	Inspect, photo document, and log conditions before and after cleaning of Hydrodynamic Separator, Model CDS Unit PMSU20_25, bi-annually	\$ 150.00 EA.	X1	X1	\$ 150.00
210. 1EA.	Remove and dispose of debris from Hydrodynamic Separator, Model CDS Unit PMSU20_25, bi-annually	\$ 1100.00 EA.	X1	X1	\$ 1,100.00
211. 983LF.	Video document and log condition after cleaning of all 18" RCP, bi-annually	\$ 1.11 LF.	X983	X1	\$ 1,091.13
212. 983LF.	Remove and dispose of debris from all 18" RCP, bi-annually	\$ 1.45 LF.	X983	X1	\$ 1,425.35
213. 3EA.	Provide and install painted stencil message per plans and specifications, annually	\$ 3.00 EA.	X3	X1	\$ 9.00
FCD#37 Subtotal	<u>Four thousand, three hundred forty-two dollars and forty-eight cents</u>				<u>\$ 4,342.48</u> (In Figures)

16) Bid Schedule – FCD# 38 (Skyview Elementary)

214. 2 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins and WCS CPS, (3 times per year)	\$ 0.50 EA.	X2	X3	\$ 3.00
215. 2 EA.	Remove and dispose of debris from catch basin and WCS CPS, (3 times per year)	\$ 62.50 EA.	X2	X3	\$ 375.00

216. 133LF.	Video document and log condition after cleaning of all 18" RCP, bi-annually	\$ 1.11	X133	X1	\$ 147.63
		LF.			
217. 133LF.	Remove and dispose of debris from all 18" RCP, bi-annually	\$ 1.45	X133	X1	\$ 192.85
		LF.			
218. 651LF.	Video document and log condition after cleaning of all 36" RCP, bi-annually	\$ 1.14	X651	X1	\$ 742.14
		LF.			
219. 651LF.	Remove and dispose of debris from all 36" RCP, bi-annually	\$ 1.45	X651	X1	\$ 943.95
		LF.			
220. 2EA.	Provide and install painted stencil message per plans and specifications, annually	\$ 6.00	X2	X1	\$ 12.00
		EA.			
FCD#38	two thousand four hundred sixteen			\$ 2416.57	
Subtotal	dollars and fifty-seven cents			(In Figures)	

17) Bid Schedule - FCD# 40 (Tract 32793 & 33720)

221. 14 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins with CPS units, (3 times per year)	\$ 0.50	X14	X3	\$ 21.00
		EA.			
222. 14 EA.	Remove and dispose of debris from catch basins with CPS units, (3 times per year)	\$ 62.50	X14	X3	\$ 2625.00
		EA.			
223. 3 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins, (2 times per year)	\$ 0.50	X3	X2	\$ 3.00
		EA.			
224. 3 EA.	Remove and dispose of debris from catch basins, (2 times per year)	\$ 62.50	X3	X2	\$ 375.00
		EA.			
225. 983LF.	Video document and log condition after cleaning of all 18" RCP, bi-annually	\$ 1.11	X983	X1	\$ 1091.13
		LF.			
226. 983LF.	Remove and dispose of debris from all 18" RCP, bi-annually	\$ 1.45	X983	X1	\$ 1425.35
		LF.			

227. 711LF.	Video document and log condition after cleaning of all 24" RCP, bi-annually	\$ 1.11 LF.	X711	X1	\$ 789.21
228. 711LF.	Remove and dispose of debris from all 24" RCP, bi-annually	\$ 1.45 LF.	X711	X1	\$ 1030.95
229. 217LF.	Video document and log condition after cleaning of all 30" RCP, bi-annually	\$ 1.11 LF.	X217	X1	\$ 240.87
230. 217LF.	Remove and dispose of debris from all 30" RCP, bi-annually	\$ 1.45 LF.	X217	X1	\$ 314.65
231. 653LF.	Video document and log condition after cleaning of all 36" RCP, bi-annually	\$ 1.14 LF.	X653	X1	\$ 744.42
232. 653LF.	Remove and dispose of debris from all 36" RCP, bi-annually	\$ 1.45 LF.	X653	X1	\$ 946.85
233. 606LF.	Video document and log condition after cleaning of all 42" RCP, bi-annually	\$ 1.14 LF.	X606	X1	\$ 690.84
234. 606LF.	Remove and dispose of debris from all 42" RCP, bi-annually	\$ 1.45 LF.	X606	X1	\$ 878.70
235. 244LF.	Video document and log condition after cleaning of all 30"HDPE bi-annually	\$ 1.11 LF.	X244	X1	\$ 270.84
236. 244LF.	Remove and dispose of debris from all 30"HDPE, bi-annually	\$ 1.45 LF.	X244	X1	\$ 353.80
237. 476LF.	Video document and log condition after cleaning of all 30" CMP, bi-annually	\$ 1.11 LF.	X476	X1	\$ 528.36
238. 476LF.	Remove and dispose of debris from all 30" CMP, bi-annually	\$ 1.45 LF.	X476	X1	\$ 690.20
239. 1EA.	Inspect , photo document and log condition before and after cleaning of Hydrodynamic Separator, Model Vortech 11000, bi-annually	\$ 150.00 EA.	X1	X1	\$ 150.00

BF-2W

240. 1EA.	Remove and dispose of debris from, Hydrodynamic Separator, Model Vortech 11000, bi-annually	\$ 2,500. ⁰⁰ EA.	X1	X1	\$ 2,500. ⁰⁰
241. 17EA.	Provide and install painted stencil message per plans and specifications, annually	\$ 6. ⁰⁰ EA.	X17	X1	\$ 102. ⁰⁰
FCD#40	<i>fifteen thousand, seven hundred</i>				\$ 15,772.17
Subtotal	<i>seventy-two dollars and seventeen cents</i>				(In Figures)

18) Bid Schedule – FCD# 44(Tract 32707 & 32708)

242. 27 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins with CPS units, (3 times per year)	\$ 0.50 EA.	X27	X3	\$ 40.50
243. 27EA.	Remove and dispose of debris from catch basins with CPS units, (3 times per year)	\$ 62.50 EA.	X27	X3	\$ 5,062.50
244. 13 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins, (2 times per year)	\$ 0.50 EA.	X13	X2	\$ 13. ⁰⁰
245. 13 EA.	Remove and dispose of debris from catch basins, (2 times per year)	\$ 62.50 EA.	X13	X2	\$ 1,625. ⁰⁰
246. 1 EA.	Inspect, photo document, and log conditions before and after cleaning 48" CMP inlet riser, annually	\$ 0.50 EA.	X1	X1	\$ 0.50
247. 1 EA.	Remove and dispose of debris from 48" CMP inlet riser, annually	\$ 62.50 EA.	X1	X1	\$ 62.50
248. 1 EA.	Inspect, photo document, and log conditions before and after cleaning 36" CMP inlet riser, annually	\$ 0.50 EA.	X1	X1	\$ 0.50
249. 1 EA.	Remove and dispose of debris from 36" CMP inlet riser, annually	\$ 62.50 EA.	X1	X1	\$ 62.50

250. 1 EA.	Inspect, photo document, and log conditions before and after cleaning of 14'x7' drop inlet, annually	\$ 0.50 EA.	X1	X1	\$ 0.50
251. 1 EA.	Remove and dispose of debris from of 14'x7' drop inlet, annually	\$ 62.50 EA.	X1	X1	\$ 62.50
252. 1427LF.	Video document and log condition after cleaning of all 18" RCP, bi-annually	\$ 1.11 LF.	X1427	X1	\$ 1,583.97
253. 1427LF.	Remove and dispose of debris from all 18" RCP, bi-annually	\$ 1.45 LF.	X1427	X1	\$ 2,069.15
254. 3417 LF.	Video document and log condition after cleaning of all 24" RCP, bi-annually	\$ 1.11 LF.	X3417	X1	\$ 3,792.87
255. 3417LF.	Remove and dispose of debris from all 24" RCP, bi-annually	\$ 1.45 LF.	X3417	X1	\$ 4,954.65
256. 818LF.	Video document and log condition after cleaning of all 30" RCP, bi-annually	\$ 1.11 LF.	X818	X1	\$ 907.98
257. 818LF.	Remove and dispose of debris from all 30" RCP, bi-annually	\$ 1.45 LF.	X818	X1	\$ 1,186.10
258. 1946LF.	Video document and log condition after cleaning of all 36" RCP, bi-annually	\$ 1.14 LF.	X1946	X1	\$ 2,218.44
259. 1946LF.	Remove and dispose of debris from all 36" RCP, bi-annually	\$ 1.45 LF.	X1946	X1	\$ 2,821.70
260. 1476LF.	Video document and log condition after cleaning of all 48" RCP, bi-annually	\$ 1.18 LF.	X1476	X1	\$ 1,741.68
261. 1476LF.	Remove and dispose of debris from 48" RCP, bi-annually	\$ 1.45 LF.	X1476	X1	\$ 2,140.20

262. 40EA.	Provide and install painted stencil message per plans and specifications, annually	\$ 6.00	X40	X1	\$ 240.00
FCD#44		EA.			
Subtotal	thirty thousand, five hundred eighty-six dollars and seventy-four				\$ 30,586.74
					(In Figures)

19) Bid Schedule - FCD# 45(Tract 32780)

263. 26 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins with CPS units, (3 times per year)	\$ 0.50	X26	X3	\$ 39.00
		EA.			
264. 26 EA.	Remove and dispose of debris from catch basins with CPS units, (3 times per year)	\$ 62.50	X26	X3	\$ 4875.00
		EA.			
265. 1 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basin, (2 times per year)	\$ 0.50	X1	X2	\$ 1.00
		EA.			
266. 1 EA.	Remove and dispose of debris from catch basin, (2 times per year)	\$ 62.50	X1	X2	\$ 125.00
		EA.			
267. 1060LF.	Video document and log condition after cleaning of all 18" RCP, bi-annually	\$ 1.11	X1060	X1	\$ 1176.60
		LF.			
268. 1060LF.	Remove and dispose of debris from all 18" RCP, bi-annually	\$ 1.45	X1060	X1	\$ 1537.00
		LF.			
269. 1706LF.	Video document and log condition after cleaning of all 24" RCP, bi-annually	\$ 1.11	X1706	X1	\$ 1893.66
		LF.			
270. 1706LF.	Remove and dispose of debris from all 24" RCP, bi-annually	\$ 1.45	X1706	X1	\$ 2473.70
		LF.			
271. 753LF.	Video document and log condition after cleaning of all 30" RCP, bi-annually	\$ 1.11	X753	X1	\$ 835.83
		LF.			

272. 753LF.	Remove and dispose of debris from all 30" RCP, bi-annually	\$ 1.45 LF.	X753	X1	\$ 1091.85
273. 197LF.	Video document and log condition after cleaning of all 36" RCP, bi-annually	\$ 1.14 LF.	X197	X1	\$ 224.58
274. 197LF.	Remove and dispose of debris from all 36" RCP, bi-annually	\$ 1.45 LF.	X197	X1	\$ 285.65
275. 124LF.	Video document and log condition after cleaning of all 48" RCP, bi-annually	\$ 1.18 LF.	X124	X1	\$ 146.32
276. 124LF.	Remove and dispose of debris from all 48" RCP, bi-annually	\$ 1.45 LF.	X124	X1	\$ 179.80
277. 2 EA.	Inspect , photo document and log condition before and after cleaning of Hydrodynamic Separator, Model Vortech 9000, bi-annually	\$ 150.00 EA.	X2	X1	\$ 300.00
278. 2 EA.	Remove and dispose of debris from, Hydrodynamic Separator, Model Vortech 9000, bi-annually	\$ 2,100.00 EA.	X2	X1	\$ 4,200.00
279. 1 EA.	Inspect , photo document and log condition before and after cleaning of Hydrodynamic Separator, Model Vortech 16000, bi-annually	\$ 150.00 EA.	X1	X1	\$ 150.00
280. 1 EA.	Remove and dispose of debris from, Hydrodynamic Separator, Model Vortech 16000, bi-annually	\$ 2,600.00 EA.	X1	X1	\$ 2,600.00
281. 1 EA.	Inspect , photo document and log condition before and after cleaning of Hydrodynamic Separator, Model Vortech 7000, bi-annually	\$ 150.00 EA.	X1	X1	\$ 150.00
282. 1 EA.	Remove and dispose of debris from, Hydrodynamic Separator, Model Vortech 7000, bi-annually	\$ 2,100.00 EA.	X1	X1	\$ 2,100.00

283. 27EA. Provide and install painted stencil message per plans and specifications, annually
\$ 6.00 X27 X1 \$ 162.00
 EA.

FCD#45 Twenty-four thousand, five hundred \$24,546.99
 Subtotal forty-six dollars and ninety-nine cents (In Figures)

20) Bid Schedule - FC# 46(Tract 32249)

284. 30 EA. Inspect, photo document, and log conditions before and after cleaning of catch basins with CPS units, (3 times per year)
\$ 0.50 X30 X3 \$ 45.00
 EA.

285. 30 EA. Remove and dispose of debris from catch basins with CPS units, (3 times per year)
\$ 62.50 X30 X3 \$ 5,625.00
 EA.

286. 654LF. Video document and log condition after cleaning of all 18" RCP, bi-annually
\$ 1.11 X654 X1 \$ 725.94
 LF.

287. 654LF. Remove and dispose of debris from all 18" RCP, bi-annually
\$ 1.45 X654 X1 \$ 948.30
 LF.

288. 1834LF. Video document and log condition after cleaning of all 24" RCP, bi-annually
\$ 1.11 X1834 X1 \$ 2,035.74
 LF.

289. 1834LF. Remove and dispose of debris from all 24" RCP, bi-annually
\$ 1.45 X1834 X1 \$ 2,659.30
 LF.

290. 499 LF. Video document and log condition after cleaning of all 30" RCP, bi-annually
\$ 1.11 X499 X1 \$ 553.89
 LF.

291. 499 LF. Remove and dispose of debris from all 30" RCP, bi-annually
\$ 1.45 X499 X1 \$ 723.55
 LF.

292. 1466LF. Video document and log condition after cleaning of all 36" RCP, bi-annually
\$ 1.14 X1466 X1 \$ 1,671.24
 LF.

293. 1466 LF. Remove and dispose of debris from all 36" RCP, bi-annually
\$ 1.45 X1466 X1 \$ 2,125.70
 LF.

294. 2 EA.	Inspect, photo document, and log conditions before and after cleaning of all Hydrodynamic Separator, Model Vortech 16000, bi-annually	\$ 150. ⁰⁰ EA.	X2	X1	\$ 300. ⁰⁰
295. 1 EA.	Remove and dispose of debris from all Hydrodynamic Separator, Model Vortech 16000, bi-annually	\$ 2600. ⁰⁰ EA.	X1	X1	\$ 2,600. ⁰⁰
296. 1 EA.	Inspect, photo document, and log conditions before and after cleaning of all Hydrodynamic Separator, Model Vortech 11000, bi-annually	\$ 150. ⁰⁰ EA.	X1	X1	\$ 150. ⁰⁰
297. 1 EA.	Remove and dispose of debris from all Hydrodynamic Separator, Model Vortech 11000, bi-annually	\$ 2500. ⁰⁰ EA.	X1	X1	\$ 2,500. ⁰⁰
298. 30EA.	Provide and install painted stencil message per plans and specifications, annually	\$ 6. ⁰⁰ EA.	X30	X1	\$ 180. ⁰⁰
FCD#46	twenty-two thousand, eight hundred				\$ 22,843. ⁶⁶
Subtotal	forty-three dollars and sixty-six cents				(In Figures)

21) Bid Schedule – FCD# 48(Tract CUP 06-0158)

299. 4 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins with CPS units, (3 times per year)	\$ 0.50 EA.	X4	X3	\$ 6. ⁰⁰
300. 4 EA.	Remove and dispose of debris from catch basins with CPS units, (3 times per year)	\$ 62.50 EA.	X4	X3	\$ 750. ⁰⁰
301. 1 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basin, (2 times per year)	\$ 0.50 EA.	X1	X2	\$ 1. ⁰⁰
302. 1 EA.	Remove and dispose of debris from catch basin, (2 times per year)	\$ 62.50 EA.	X1	X2	\$ 125. ⁰⁰
303. 604 LF.	Remove and dispose of debris from all 18" RCP, bi-annually	\$ 1.45 LF.	X604	X1	\$ 875. ⁸⁰

304. 604 LF.	Video document and log condition after cleaning of all 18" RCP, bi-annually	\$ 1.11 LF.	X604	X1	\$ 670.44
305. 680 LF.	Remove and dispose of debris from all 18" HDPE, bi-annually	\$ 1.45 LF.	X680	X1	\$ 986.00
306. 680LF.	Video document and log condition after cleaning of all 18" HDPE, bi-annually	\$ 1.11 LF.	X680	X1	\$ 754.80
307. 80 LF.	Remove and dispose of debris from all 8" HDPE, bi-annually	\$ 1.45 LF.	X80	X1	\$ 116.00
308. 80 LF.	Video document and log condition after cleaning of all 8" HDPE, bi-annually	\$ 1.11 LF.	X80	X1	\$ 88.80
309. 600 LF.	Remove and dispose of debris from all 17"x13" HECMP (300LFx2), bi-annually	\$ 1.45 LF.	X600	X1	\$ 870.00
310. 600 LF.	Video document and log condition after cleaning of all 17"x13 HECMP (300LFx2), bi-annually	\$ 1.11 LF.	X600	X1	\$ 666.00
311. 1960LF.	Remove and dispose of debris from all 24" RCP, bi-annually	\$ 1.45 LF.	X1960	X1	\$ 2842.00
312. 1960LF.	Video document and log condition after cleaning of all 24" RCP, bi-annually	\$ 1.11 LF.	X1960	X1	\$ 2175.60
313. 1 EA.	Inspect, photo document, and log conditions before and after cleaning of 36" CMP inlet riser, annually	\$ 0.50 EA.	X1	X1	\$ 0.50
314. 1 EA.	Remove and dispose of debris from of 36" CMP inlet riser, annually	\$ 62.50 EA.	X1	X1	\$ 62.50
315. 1 EA.	Inspect, photo document, and log conditions before and after cleaning of 12" CMP inlet riser, annually	\$ 0.50 EA.	X1	X1	\$ 0.50

316. 1 EA.	Remove and dispose of debris from of 12" CMP inlet riser, annually	\$ 62.50	X1	X1	\$ 62.50
		EA.			
317. 5EA.	Provide and install painted stencil message per plans and specifications, annually	\$ 6.00	X5	X1	\$ 30.00
		EA.			
FCD#48	<u>eleven thousand, eighty-three dollars</u>				\$ 11,083.44
Subtotal	<u>and forty-four cents</u>				(In Figures)

22) Bid Schedule -- FCD# 49 (Tract 31660 & 31660-1)

318. 35 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins and WCS CPS, (3 times per year)	\$ 0.50	X35	X3	\$ 52.50
		EA.			
319. 35 EA.	Remove and dispose of debris from catch basins and WCS CPS, (3 times per year)	\$ 62.50	X35	X3	\$ 6562.50
		EA.			
320. 2 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins (2 times per year)	\$ 0.50	X2	X2	\$ 2.00
		EA.			
321. 2 EA.	Remove and dispose of debris from catch basins (2 times per year)	\$ 62.50	X2	X2	\$ 250.00
		EA.			
322. 1601LF.	Video document and log condition after cleaning of all 18" RCP, bi-annually	\$ 1.11	X1601	X1	\$ 1,777.11
		LF.			
323. 1601LF.	Remove and dispose of debris from all 18" RCP, bi-annually	\$ 1.45	X1601	X1	\$ 2321.45
		LF.			
324. 1129LF.	Video document and log condition after cleaning of all 24" RCP, bi-annually	\$ 1.11	X1129	X1	\$ 1,253.19
		LF.			
325. 1129LF.	Remove and dispose of debris from all 24" RCP, bi-annually	\$ 1.45	X1129	X1	\$ 1,637.05
		LF.			
326. 410LF.	Video document and log condition after cleaning of all 30" RCP, bi-annually	\$ 1.11	X410	X1	\$ 455.10
		LF.			

327. 410LF.	Remove and dispose of debris from all 30" RCP, bi-annually	\$ 1.45 LF.	X410	X1	\$ 594.50
328. 242LF.	Video document and log condition after cleaning of all 33" RCP, bi-annually	\$ 1.14 LF.	X242	X1	\$ 275. ⁸⁸
329. 242LF.	Remove and dispose of debris from all 33" RCP, bi-annually	\$ 1.45 LF.	X242	X1	\$ 350.90
330. 232LF.	Video document and log condition after cleaning of all 36" RCP, bi-annually	\$ 1.14 LF.	X232	X1	\$ 264.48
331. 232LF.	Remove and dispose of debris from all 36" RCP, bi-annually	\$ 1.45 LF.	X232	X1	\$ 336.40
332. 290LF.	Video document and log condition after cleaning of all 42" RCP, bi-annually	\$ 1.14 LF.	X290	X1	\$ 330. ⁶⁰
333. 290LF.	Remove and dispose of debris from all 42" RCP, bi-annually	\$ 1.45 LF.	X290	X1	\$ 420.50
334. 598LF.	Video document and log condition after cleaning of all 48" RCP, bi-annually	\$ 1.18 LF.	X598	X1	\$ 705. ⁶⁴
335. 598LF.	Remove and dispose of debris from all 48" RCP, bi-annually	\$ 1.45 LF.	X598	X1	\$ 867. ¹⁰
336. 1EA.	Inspect, photo document, and log conditions before and after cleaning of Hydrodynamic Separator, Model Vortech Unit 7000, bi-annually	\$ 150. ⁰⁰ EA.	X1	X1	\$ 150. ⁰⁰
337. 1EA.	Remove and dispose of debris from Hydrodynamic Separator, Model Vortech Unit 7000, bi-annually	\$ 2100. ⁰⁰ EA.	X1	X1	\$ 2100. ⁰⁰
338. 1EA.	Inspect, photo document, and log conditions before and after cleaning of Hydrodynamic Separator, Model Vortech Unit 16000, bi-annually	\$ 150. ⁰⁰ EA.	X1	X1	\$ 150. ⁰⁰

339. 1EA.	Remove and dispose of debris from Hydrodynamic Separator, Model Vortech Unit 16000, bi-annually	\$ 2,600. ⁰⁰ EA.	X1	X1	\$ 2,600. ⁰⁰
340. 1EA.	Inspect, photo document, and log conditions before and after cleaning of Hydrodynamic Separator, Model Vortech Vortsentry VS70, bi-annually	\$ 150. ⁰⁰ EA.	X1	X1	\$ 150. ⁰⁰
341. 1EA.	Remove and dispose of debris from Hydrodynamic Separator, Model Vortech Vortsentry VS70, bi-annually	\$ 2,100. ⁰⁰ EA.	X1	X1	\$ 2,100. ⁰⁰
342. 1448LF.	Video document and log condition after cleaning of 4'H x 8'W RCB (Line R)(2x694LF) on Citrus Ave. through Transition and through Conspan unit 20'x 6' on Evans Rd., bi-annually	\$ 1,826 LF.	X1448	X1	\$ 1,824.48
343. 1448LF.	Remove and dispose of debris from 4'H x 8'W RCB (line R) (2x694LF) on Citrus Ave. through Transition and through Conspan unit 20'x 6' on Evans Rd., bi-annually	\$ 6. ⁰⁰ LF.	X1448	X1	\$ 8,688. ⁰⁰
344. 36EA.	Provide and install painted stencil message per plans and specifications, annually	\$ 6. ⁰⁰ EA.	X36	X1	\$ 216. ⁰⁰
FCD#49	<u>thirty-six thousand, four hundred</u>				\$ 36,435. ³⁸
Subtotal	<u>thirty-five dollars and thirty-eight cents</u>				(In Figures)

23) Bid Schedule - FC# 50 (TR 32428)

345. 25 EA.	Inspect, photo Document, and log conditions before and after cleaning of catch basins, (2 times per year)	\$ 0.50 EA.	X25	X2	\$ 25. ⁰⁰
346. 25 EA.	Remove and dispose of debris from catch basins, (2 times per year)	\$ 62.50 EA.	X25	X2	\$ 3,125. ⁰⁰
347. 692 LF.	Remove and dispose of debris from all 18" RCP, annually	\$ 1.45 LF.	X692	X1	\$ 1,003. ⁴⁰

348. 692 LF.	Video document and log condition after cleaning of all 18" RCP, annually	\$ 1.11 LF.	X692	X1	\$ 768. ¹²
349. 1232 LF.	Remove and dispose of debris from all 24" RCP, annually	\$ 1.45 LF.	X1232	X1	\$ 1,786. ⁴⁰
350. 1232 LF.	Video document and log conditions after cleaning of all 24" RCP, annually	\$ 1.11 LF.	X1232	X1	\$ 1,367. ⁵²
351. 510 LF.	Remove and dispose of debris from all 30" RCP, annually	\$ 1.45 LF.	X510	X1	\$ 739. ⁵⁰
352. 510 LF.	Video document and log conditions after cleaning of all 30" RCP, annually	\$ 1.11 LF.	X510	X1	\$ 566. ¹⁰
353. 1410 LF.	Remove and dispose of debris from all 36" RCP, annually	\$ 1.45 LF.	X1410	X1	\$ 2,044. ⁵⁰
354. 1410 LF.	Video document and log conditions after cleaning of all 36" RCP, annually	\$ 1.14 LF.	X1410	X1	\$ 1,607. ⁴⁰
355. 1314 LF.	Remove and dispose of debris from all 48" RCP, annually	\$ 1.45 LF.	X1314	X1	\$ 1,905. ³⁰
356. 1314 LF.	Video document and log conditions after cleaning of al 48" RCP, annually	\$ 1.18 LF.	X1314	X1	\$ 1,550. ⁵²
357. 4 EA.	Inspect, photo document, and log conditions before and after cleaning of 42" CMP Drop Inlets, annually	\$ 0.50 EA.	X4	X1	\$ 2.00
358. 4 EA.	Remove and dispose of debris from of 42" CMP Drop Inlets, annually	\$ 62.50 EA.	X4	X1	\$ 250. ⁰⁰
359. 1 EA.	Inspect, photo document, and log conditions before and after cleaning of 36" CMP Drop Inlet, annually	\$ 0.50 EA.	X1	X1	\$ 0.50

360. 1 EA.	Remove and dispose of debris from of 36" CMP Drop Inlet, annually	<u>\$ 62.50</u>	X1	X1	<u>\$ 62.50</u>
		EA.			
361. 1EA.	Inspect, photo document, and log conditions before and after cleaning of Hydrodynamic Separator, Model JENSEN INT JPHV-8X7-10X5, annually	<u>\$ 150.00</u>	X1	X1	<u>\$ 150.00</u>
		EA.			
362. 1EA.	Remove and dispose of debris from Hydrodynamic Separator, Model JENSEN INT JPHV-8X7-10X5, annually	<u>\$ 2600.00</u>	X1	X1	<u>\$ 2,600.00</u>
		EA.			
363. 1EA.	Inspect, photo document, and log conditions before and after cleaning of Hydrodynamic Separator, Model JENSEN INT JPHV-8X7-10X8, annually	<u>\$ 150.00</u>	X1	X1	<u>\$ 150.00</u>
		EA.			
364. 1EA.	Remove and dispose of debris from Hydrodynamic Separator, Model JENSEN INT JPHV-8X7-10X8, annually	<u>\$ 2600.00</u>	X1	X1	<u>\$ 2,600.00</u>
		EA.			
365. 25 EA.	Provide and install painted stencil message per plans and specifications, annually	<u>\$ 6.00</u>	X25	X1	<u>\$ 150.00</u>
		EA.			
FC#50					<u>\$ 22,453.76</u>
Subtotal	twenty-two thousand, four hundred fifty-three dollars and seventy-six cents (In Figures)				

24) Bid Schedule - FC#53 (Tract 31650 & 32406)

366. 12 EA.	Inspect , photo document and log conditions before and after cleaning of catch basins, (2 times per year)	<u>\$ 0.50</u>	X12	X2	<u>\$ 12.00</u>
		EA.			
367. 12 EA.	Remove and dispose of debris from catch basins, (2 times per year)	<u>\$ 62.50</u>	X12	X2	<u>\$ 1500.00</u>
		EA.			
358. 282LF.	Remove and dispose of debris from all 18" RCP, annually	<u>\$ 1.45</u>	X282	X1	<u>\$ 408.90</u>
		LF.			

369. 282LF.	Video document and log conditions after cleaning of all 18" RCP, annually	\$ 1.11 LF.	X282	X1	\$ 313.02
370. 179LF.	Remove and dispose of debris from all 24" RCP, annually	\$ 1.45 LF.	X179	X1	\$ 259.55
371. 179LF	Video document and log conditions after cleaning of all 24" RCP, annually	\$ 1.11 LF.	X179	X1	\$ 198.69
372. 474LF.	Remove and dispose of debris from all 24" CMP, annually	\$ 1.45 LF.	X474	X1	\$ 687.30
373. 474LF	Video document and log conditions after cleaning of all 24" CMP, annually	\$ 1.11 LF.	X474	X1	\$ 526.14
374. 806LF	Remove and dispose of debris from all 36" RCP, annually	\$ 1.45 LF.	X806	X1	\$ 1,168.70
375. 806LF.	Video Document and log conditions after cleaning of all 36" RCP, annually	\$ 1.14 LF.	X806	X1	\$ 918.84
376. 2 EA.	Inspect, photo document, and log conditions before and after cleaning of Hydrodynamic Separator, Model Vortech 1000, annually	\$ 150.00 EA.	X2	X1	\$ 300.00
377. 2 EA.	Remove and dispose of debris from Hydrodynamic Separator, Model Vortech 1000, annually	\$ 1,100.00 EA.	X2	X1	\$ 2,200.00
378. 1 EA.	Inspect, photo document, and log conditions before and after cleaning of Hydrodynamic Separator, Model Vortech 7000, annually	\$ 150.00 EA.	X1	X1	\$ 150.00
379. 1 EA.	Remove and dispose of debris from Hydrodynamic Separator, Model Vortech 7000, annually	\$ 1,100.00 EA.	X1	X1	\$ 1,100.00

380. 12 EA. Provide and install painted stencil message per plans and specifications, annually

	\$ 6.00	X12	X1	\$ 72.00
	EA.			
Subtotal	<u>nine thousand, eight hundred</u>			<u>\$ 9815.14</u>
FC#53	<u>fifteen dollars and fourteen cents</u>			<u>(In Figures)</u>

25) Bid Schedule - FCD# 63(Tract 31677)

381. 4 EA.	Inspect, photo document, and log conditions before and after cleaning of catch basins and WCS CPS, (3 times per year)	\$ 0.50	X4	X3	\$ 6.00
		EA.			
382. 4 EA.	Remove and dispose of debris from catch basins and WCS CPS, (3 times per year)	\$ 62.50	X4	X3	\$ 750.00
		EA.			
383. 56 LF.	Remove and dispose of debris from all 18" RCP, bi-annually	\$ 1.45	X56	X1	\$ 81.20
		LF.			
384. 56 LF.	Video document and log condition after cleaning of all 18" RCP, bi-annually	\$ 1.11	X56	X1	\$ 62.16
		LF.			
385. 5 EA.	Remove and dispose of debris from modified drop-inlet/18" RCP pipe, (2 times per year)	\$ 62.50	X5	X2	\$ 625.00
		EA.			
386. 5 EA.	Inspect and photo document, and log conditions before and after cleaning of modified drop-inlet /18" RCP pipe, (2 times per year)	\$ 0.50	X5	X2	\$ 5.00
		EA.			
387. 458LF.	Remove and dispose of debris from 6.5'W x 1.5'H double concrete box culvert at Brennan(129'x2) and Webster(100'x2), bi-annually	\$ 6.00	X458	X1	\$ 2748.00
		LF.			
388. 458LF.	Video document and log condition after cleaning of 6.5' H x 1.5' W double concrete box culvert at Brennan(129'x2) and Webster(100'x2), bi-annually	\$ 1.26	X458	X1	\$ 577.08
		LF.			

389. 4 EA. Provide and install painted stencil message per plans and specifications, annually

$\frac{\$6.00}{EA.} \times 4 \times 1 = \24.00

FCD#63 Subtotal four thousand, eight hundred seventy-eight dollars and forty-four cents $\$4,878.44$
(In Figures)

GRAND TOTAL YEAR #1 WORK AND YEAR #2 WORK COMBINED
ALL BID SCHEDULES #1-#25 (Items 1 through 389) $\$464,768.18$
(In Figures)

(In Figures, Cont'd)

GRAND TOTAL YEAR #1 WORK AND YEAR #2 WORK COMBINED
ALL BID SCHEDULES #1-#25 (Items 1 through 389)

four hundred sixty-four thousand, seven hundred sixty-eight dollars and eighty cents
(In Words, Cont'd) $\$$ (In Words)

Please note the following regarding bids:

- A. Award, if made, will be made to one bidder based upon lowest total of all bid items for all Bid Schedules combined (Bid Schedules #1 through #25. The City reserves the right to reject any or all bids received.
- B. Bid shall include all sales tax, and all other taxes and fees.
- C. Bid is for a project complete-in-place.
- D. Quantities above are for the purpose of comparison only and payments will be made on the basis of actual measurement of work completed. Measurements which vary from estimated quantities shall require verification by City, and a written change order will be required prior to payment. For quantities indicated as lump sum, Contractor shall be paid at the Contract per lump sum price indicated, and shall include full compensation for all work and no additional compensation will be allowed thereof.
- E. When discrepancies occur between words and figures, the words shall govern.

The undersigned, as Bidder, proposes and agrees, if the proposal is accepted, that he will execute a Contract with the Agency in the form set forth in the Contract Documents and that he will accept in full payment thereof the preceding prices as set forth in Bid Schedules.

Quantities above are for the purpose of comparison only and payments will be made on the basis of actual measurement of work completed. Measurements which vary from estimated quantities, shall require verification by City, and a written change order will be required prior to payment. For quantities indicated as lump sum, Contractor shall be paid at the Contract per lump sum price indicated, and shall include full compensation for all work and no additional compensation will be allowed thereof. Where discrepancies occur between words and figures, the words shall govern. Upon receipt of the Notice of Award, Contractor shall submit to the Agency for approval, a detailed breakdown of the Contractor's cost estimate into the various elements of materials and construction operations. When approved, this breakdown will serve as a basis for the Agency to determine partial payments.

If awarded this contract, the Bidder agrees to execute the Contract and submit the Insurance Certificates on the required forms within ten (10) calendar days from the date of the Notice of Award. The Notice of Award shall be accompanied by the necessary Contract and Insurance Certificate forms. In case of failure of the Bidder to execute the Contract, the Agency may at his option consider the Bidder in default, in which case the Bid Bond, or any deposit in lieu thereof, accompanying the proposal shall become the property of the Agency. Forfeiture of the Bid Bond, or any deposit in lieu thereof, does not preclude the Agency from seeking all other remedies provided by law to recover losses sustained as a result of the Contractor's failure to execute a written agreement to perform the work at his Bid Price.

The Bidder's execution on the signature portion of this proposal shall also constitute an endorsement and execution of those certifications which are a part of this Proposal.

EQUAL EMPLOYMENT OPPORTUNITY CERTIFICATION

The bidder United Storm Water, Inc., proposed subcontractor United Pumping Service, Inc
Morris Tested Inc., hereby certifies that he has x, has not _____, participated in a previous contract or subcontract subject to the equal opportunity clause, as required by Executive Orders 10925, 11114, or 11246, and that, where required, he has filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

NOTE: The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41CFR 60-1.7(b)(1)), and must be submitted by Bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in

41 CFR 60-1.5. (Generally only contracts or subcontracts of \$10,000 or under are exempt).

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract, subject to the Executive Orders, and have not filed the required reports should note that 41 CFR 60-1.7 (b) (1) prevents the award of contracts and subcontracts unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

Noncollusion Affidavit
(Title United States Code Section 112 and
Public Contract Code Section 7106)

In accordance with Title 23 United States Code Section 112 and Public Contract Code 7106 the bidder declares that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid or true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

Note: The above Noncollusion Affidavit is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Noncollusion Affidavit. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

DEBARMENT AND SUSPENSION CERTIFICATION
(Title 49, Code of Federal Regulations, Part 29)

The Bidder, under penalty of perjury, certifies that, except as noted below, he/she or any person associated therewith in the capacity of owner, partner, director, office manager:

- Is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any federal agency;
- Has not been suspended, debarred, voluntarily excluded or determined ineligible by any federal agency within the past 3 years;
- Does not have a proposed debarment pending; and
- Has not been indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any manner involving fraud or official misconduct within the past 3 years.

If there are any exceptions to this certification, insert the exceptions in the following space.

No exceptions

Exceptions will not necessarily result in denial of award, but will be considered in determining Bidder responsibility. For any exception noted above, indicate below to whom it applies, initiating agency, and dates of action.

N/A

Note: Providing false information may result in criminal prosecution or administrative sanctions.

The above certification is part of the Proposal. Signing this proposal on the signature portion thereof shall also constitute signature of this Certification.

NON LOBBYING CERTIFICATION FOR FEDERAL AID CONTRACTS

The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan or cooperative agreement, the undersigned shall complete and submit Standard Form – LLL, "Disclosure of Lobbying Activities", in accordance with its instructions.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, and U.S. Code. Any person who fails to file the required certifications shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such sub-recipients shall certify and disclose accordingly.

Person who inspected site of the proposed work as a representative of your firm:

Justin Welham
Name (please print)

5/11/17
Date of Inspection

Bidder acknowledges receipt of the following Addenda: No Addendums

Dated _____
Dated _____
Dated _____
Dated _____

NAME OF BIDDER: United Storm Water, Inc.

NAME AND TITLE OF SIGNING PARTY: Eduardo Perry Jr., President

SIGNATURE OF BIDDER: 

768583
Contractor's California License No.

(CORPORATE SEAL)

United Storm Water, Inc.
Name of License Holder
Class A,C21,HAZ,C31,C42,C27
Type of License
9/30/2017
Expiration Date

Contact Information:

Company Name: United Storm Water, Inc.

Contact Person: Eduardo Perry Jr.

Title: President

Company Address: 14000 E. Valley Blvd.
Industry, CA 91746

Phone Number: 626/961-9326

Fax Number: 626/961-3166

DESIGNATION OF SUBCONTRACTORS

In compliance with the provisions of section 2.3 of the Standard Specifications, the Bidder shall set forth below the name and location of the mill, shop or office of each Subcontractor and the portions of the work, which will be done by that Subcontractor.

In compliance with the provisions of Section 2-3.2 of said "Standard Specifications" Bidder understands and agrees that the Contract Work described in the Plans and Specifications No. #FCD 1-2017-2018-02 for the Maintenance of Storm Drain Line, Catch Basins and BMP's requires the Contractor to perform, with its own organization, Contract Work amounting to at least 50% of the Contract Price as provided in Section 2-3.2 Additional Responsibility of the current edition of the "Standard Specifications for Public Works Construction" prepared and promulgated by the Southern California Chapters of the American Public Works Association and Associated General Contractors of California ("Greenbook").

Pursuant to Section 1771.1 of the Labor Code, no contractor or subcontractor shall be qualified to bid on, be listed in a bid proposal (submitted on or after March 1, 2015), or engage in the performance of any contract for public work unless currently registered with the Department of Industrial Relations to perform public work pursuant to Section 1725.5 of the Labor Code. Bidders and their sub-contractors shall provide an extract PDF at the of bid showing active registration from the Public Works Contractor online registration at <https://efiling.dir.ca.gov/pwcr/search>

In compliance with the provisions of the Government Code, Section 4100-4108, the undersigned Bidder herewith sets forth the name and location of the place of business of each Subcontractor who will perform work or labor or render service to the Contractor on or about the construction site of the work or improvements in an amount in excess of one-half of one percent (1/2%) of the Contractor's total bid and the portion of the work which will be done by each Subcontractor as follows:

Trade	% Of Work To Be Done	Name	License No.	Address
CCTV	27%	MORR-IS Tested Inc.	569265	2279 Eagle Glen Pkwy, Ste. 112-433 Corona, CA 92883
Hauling Waste	10%	United Pumping Service, Inc.	617639	14000 E. Valley Blvd. Industry, CA 91746

* Identify any DBE subcontractors

LISTING OF MANUFACTURERS

The Contractor shall submit this sheet with his Bid to list the manufacturers of materials he intends to use. It shall be understood that where the Contractor elects not to use the material manufacturers called for in the Specifications, he will indicate the name of the Manufacturer he plans to substitute in the form below. Bidder further understands he will substitute only items of equal quality, durability, functional character and efficiency as determined by the Agency. See Section 01631 of these Specifications for substitution procedures and requirements. The Contractor should ascertain prior to bidding the acceptability of substitutes. Only one manufacturer shall be listed for each item.

Name of Proposed Substitute Product Manufacturer or Name of Supplier	Indicate <u>DBE (*)</u>
Highway White Marking Paint (Krylon Line-Up product)	N/A
United Storm Water, Inc. will utilize Krylon paint (blue) for stencil lettering and pre-approved substitute. American Traffic Products for the stencil background (white)	

No change shall be allowed of any material manufacturer listed after receipt of Bids unless the manufacturer so listed cannot furnish materials meeting the Specifications. Any manufacturer, which is not deemed to be equal-to or better in every significant respect to that required by the Contract Documents, shall be rejected at the sole discretion of the Agency. Should such change be allowed by the Agency, bidder shall provide materials meeting the specification, as determined by the Agency, and there shall be no increase in the amount of the Bid originally submitted.

* Identify if Supplier is a DBE.

ANTI-TRUST CLAIM

In entering into a public works contract or a subcontract to supply goods, services, or materials pursuant to a public works contract, the contractor or Subcontractor offers and agrees to assign to the Agency all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter [commencing with Section 16700] of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, services, or materials pursuant to the Public Works Contract or the Contract or the Subcontract. This assignment shall be made and become effective at the time the Agency tenders final payment to the Contractor, without further acknowledgment by the parties.

RESPECTFULLY SUBMITTED:

 Eduardo Perry Jr.
Signature Please Print

President 14000 E. Valley Blvd., Industry, CA 91746
Title Address

5/23/17 same as above
Date Address

768583 A,C21, HAZ,C31,C42,C27
Contractor's California License No. Type of License

United Storm Water, Inc. 9/30/2017
Name of License Holder Expiration Date

THE REPRESENTATIONS MADE HEREIN ARE MADE UNDER PENALTY OF PERJURY.

95-4742126
Federal I.D. No.

(SEAL-if Bid is by a Corporation)

ATTEST _____


CERTIFICATION - LABOR CODE SECTION 1861

I, the undersigned Contractor, am aware of the provisions of section 3700 et. seq. of the Labor Code which requires every employer to be insured against liability for Worker's Compensation or to undertake self-insurance in accordance with the provisions of that Code, and I, the undersigned Contractor, agree to and will comply with such provisions before commencing the performance of the Work of this Contract.

CONTRACTOR:

United Storm Water, Inc.

Firm Name



Signature

Eduardo Perry Jr.

Print Name

768583

Contractor's California License No.

9/30/2017

Expiration Date

95-4742126

Federal I.D. No.

(SEAL-if Bid is by a Corporation)


ATTEST _____

CERTIFICATION OF NON-DISCRIMINATION

On behalf of the Bidder making this proposal, the undersigned certifies that there will be no discrimination in employment with regard to ethnic group identification, color, religion, sex, age, physical or mental disability, or national origin; that all Federal, State, and local directives and executive orders regarding nondiscrimination in employment will be complied with; and that the principle of equal opportunity in employment will be demonstrated positively and aggressively.

DATED: 5/23/17

United Storm Water, Inc.
(Name of Bidder)


(Signature)

Eduardo Perry Jr., President
(Typed Name and Title)

768583
California
License No.

A,C21, HAZ,C31,C42,C27
Type of License

United Storm Water, Inc.
Name of License Holder

9/30/2017
Expiration Date

95-4742126
Federal I.D. No.

(SEAL-if Bid is by a Corporation)

ATTEST _____

EXPERIENCE STATEMENT

Bidder submits, as part of his bid, the following statements as to his experience qualifications. Bidder certifies that all statements and information set forth below are true and accurate. Bidder hereby authorizes the agency to make inquiry as appropriate regarding his experience.

Bidder has been engaged in the contracting business under his present business name for 18 years.

Bidder's experience in work of a nature similar in type and magnitude to that set forth in the Specification extends over a period of 18 years.

Bidder, as Contractor, has satisfactorily completed all Contracts awarded to him, except as follows: Has completed all contracts awarded

(Name any/all exceptions and reasons and attach and designate additional pages if necessary.)

N/A

Within the last three years, Bidder has satisfactorily completed the following contracts covering work similar in type and magnitude to that set forth in these Specifications for the following owners (name person, firms, or authorities):

<u>Name & Address of Owner/Agency</u>	<u>Representative and Telephone</u>	<u>Type of Work, Year Completed & \$ Amount</u>
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see attached

(Bidder shall attach and properly designate additional pages, if necessary.)



References (Ref Pg. BF-14)

Department of Transportation (Caltrans)

Address: 100 South Spring Street, Los Angeles, CA 90012

Contact Person: Roger Castillo

Phone Number: 213/ 620-6318

Email: roger_e_castillo@dot.gov

Start Date: 2013

Completion Date: Ongoing

Amount: \$578,608

Description of Work: Services are performed throughout the year for cleaning 8,500 storm drains on a scheduled basis (hazardous waste), yearly cleaning of trouble storm drain pipes, and yearly maintenance of 52 pump stations existing on highways in Los Angeles County

City of Ontario

Address: 1425 Bon View Avenue, Ontario, CA 91761

Contact Person: John Hawkins

Contact Phone No.: 909/721-9598

Email: jhawkins@ci.ontario.ca.us

Start Date: 2011, 2013, 2014 & 2015

Completion Date: 2011, 2013, 2014 & 2015

Amount: \$96,272

Description of Work: Storm drain maintenance services including mobilization and traffic control, catch basin cleaning (1,650) and storm drain pipe cleaning (10,500 lineal feet).

City of Perris

Address: 101 North D Street, Perris, CA 92570

Contact Person: Michael Morales

Contact Phone No.: 951/ 956-2120

Email: mmorales@cityofperris.org

Start Date: 2008

Completion Date: Ongoing

Amount: \$250,000 yearly

Description of Work: Includes CCTV inspection of storm drain lines, and general cleaning and maintenance of storm drain pipes (130,000 linear feet), (1500) storm drain catch basins and filters, (25) CDS units, and installation of BMP devices.



References (Ref Pg. BF-14)

City of Long Beach

Address: 1651 San Francisco Avenue, Long Beach, CA 90813

Contact Person: Art Cox

Contact Phone No.: 562/ 570-6384

Email: arthur_cox@longbeach.gov

Start Date: 2006

Completion Date: Ongoing

Amount: \$560,000 yearly

Description of Work: Storm drain conveyance system maintenance including catch basin cleaning, as-needed emergency response storm drain pipe cleaning, and pump station cleaning

City of Dana Point

Address: 33282 Golden Lantern, Dana Point, CA 92629

Contact Person: Robert French

Phone Number: 949/ 248-3589

Email: rfrench@danapoint.org

Start Date: 2001

Completion Date: Ongoing

Amount: 120,000 yearly

Description of Work: Prime contractor for yearly storm drain maintenance including catch basin cleaning (420), CDS cleaning (8), and as-needed storm drain pipe cleaning

PUBLIC WORKS CONTRACTOR REGISTRATION DOCUMENTATION

Pursuant to Section 1771.1 of the Labor Code, Bidder submits, as part of his bid, the following EXTRACTS (pdf) verifying his and his listed subcontractors active registration with the Department of Industrial Relations and eligibility to perform public work pursuant to Section 1725.5 of the Labor Code. Bidder certifies that all statements and information set forth below are true and accurate. Bidder hereby authorizes the agency to make inquiry as appropriate regarding his and his subcontractors registration status.

<u>Name & Address of Contractor/Subcontractor License Type & Number</u>	<u>Registration Number</u>	<u>Registration Date</u>	<u>Registration Expiration</u>
United Storm Water, Inc. 14000 E. Valley Blvd., Industry, CA 91746 Class A,C21,HAZ,C31,C42,C27 No. 768583	1000012438	6/16/16	6/30/2017
Morr-Is Tested Inc. 2279 Eagle Glen Pkwy., Ste. 112-433, Corona, CA 92883 Class A Engineering Contractor No. 569265	1000023062	8/22/16	6/30/2017
United Pumping Service, Inc. 14000 E. Valley Blvd., Industry, CA 91746 Class A,ASB,HAZ,C21,C31,C42 No. 617639	1000006212	5/6/16	6/30/2017

(Bidder shall attach Public Works Contractor Web Search Extracts for him and his subcontractors).

Legal Name	Registration Number	County	City	Registration Date	Expiration Date
UNITED STORM WATER	1000012438	LOS ANGELES	CITY OF INDUSTRY	05/08/2016	06/30/2017

Legal Name	Registration Number	County	City	Registration Date	Expiration Date
MORR-IS TESTED INC.	1000023062	RIVERSIDE	CORONA	08/22/2016	08/30/2017

Legal Name	Registration Number	County	City	Registration Date	Expiration Date
UNITED PUMPING SERVICE, INC.	1000006212	LOS ANGELES	INDUSTRY	05/05/2016	06/30/2017

<u>MATERIAL</u>	<u>TEST REQUIRED</u>	<u>CALIFORNIA TEST</u>
Permeable Material	Grading	202
	Sand Equivalent	217
	Durability Index	229
Imported Material (Shoulder Backing)	Grading	202
	Sand Equivalent	217
	Durability Index	229
Aggregate Subbase	Grading	202
	Sand Equivalent	217
	Resistance (R-Value)	301
Aggregate Base	Grading	202
	Sand Equivalent	217
	Resistance (R-Value)	301
	Durability Index	229
	Percentage of crushed particles	205
Screenings	Grading	202
	Loss in Los Angeles Rattler	211
	Crushed Particles	205
	Film Striping	302
	Cleanness valve	227
Asphalt Concrete (Except Open Graded)	Grading	202
	Specific Gravity	206
	(coarse & fine aggregate)	208
	Percentage of crushed particles	205
	Loss in Los Angeles Rattler	211
	Sand Equivalent	217
	Film Striping	302
	Kc Factor (CKE)	303
	Kf Factor (CKE)	303
	Stabilometer	366
	Swell	305
	Moisture Vapor Susceptibility	307
Optimum Bitumen Content*	367	
Open Graded AC, Asphalt Treated Permeable Material, Asphalt Treated Permeable Base	Grading	202
	Crushed Particles	205
	Loss in Los Angeles Rattler (500 revolutions)	211
	Durability Index	229
	Firm Striping	310 or 362 or 379

*(Not shown in Construction Manual, use CDE frequency.)

Note: Should any potential source sampling and testing be waived by reason of previous acceptance of material from the source, there will be no reduction in contract prices by reason of such waiver.

FOREIGN MATERIALS – The requirements of the fifth paragraph in Section 6-1-08, "Foreign Materials," of the Standard Specifications shall not apply.

HAZARDOUS MATERIALS TESTS AND MANIFEST REQUIREMENTS:

Bidder shall deliver all necessary laboratory test results and disposal manifests to City for all hazardous materials, prior to payment in accordance with all State and Federal Law governing the removal and disposal of hazardous waste.

Environmental Protection Agency

§ 116.4

1974, or which may affect natural resources belonging to, appertaining to, or under the exclusive management authority of the United States (including resources under the Fishery Conservation and Management Act of 1976), means: (1) A discharge into any waters beyond the contiguous zone from any vessel or on-shore or offshore facility, which vessel or facility is subject to or is engaged in activities under the Outer Continental Shelf Lands Act or the Deepwater Port Act of 1974, and (2) any discharge into any waters beyond the contiguous zone which contain, cover, or support any natural resource belonging to, appertaining to, or under the exclusive management authority of the United States (including resources under the Fishery Conservation and Management Act of 1976).

Public vessel means a vessel owned or bareboat-chartered and operated by the United States, or a State or political subdivision thereof, or by a foreign nation, except when such vessel is engaged in commerce.

Territorial seas means the belt of the seas measured from the line of ordinary low water along that portion of

the coast which is in direct contact with the open sea and the line marking the seaward limit of inland waters, and extending seaward a distance of 3 miles.

Vessel means every description of watercraft or other artificial contrivance used, or capable of being used, as a means of transportation on water other than a public vessel;

(43 FR 10474, Mar. 13, 1978; 43 FR 27033, June 26, 1978, as amended at 44 FR 10266, Feb. 16, 1979; 58 FR 45030, Aug. 25, 1993)

§ 116.4 Designation of hazardous substances.

The elements and compounds appearing in Tables 116.4 A and B are designated as hazardous substances in accordance with section 311(b)(2)(A) of the Act. This designation includes any isomers and hydrates, as well as any solutions and mixtures containing these substances. Synonyms and Chemical Abstract System (CAS) numbers have been added for convenience of the user only. In case of any disparity the common names shall be considered the designated substance.

TABLE 116.4A—LIST OF HAZARDOUS SUBSTANCES

Common name	CAS No.	Synonyms	Isomers	CAS No.
Acetaldehyde	75070	Ethanal, ethyl aldehyde, acetaldehyde		
Acetic acid	64197	Glacial acetic acid, vinegar acid		
Acetic anhydride	108247	Acetic oxide, acetyl oxide		
Acetone cyanhydrin	73885	2-methylacetonitrile, alpha-hydroxyisobutyronitrile		
Acetyl bromide	908957			
Acetyl chloride	78367			
Acrolein	107028	2-propenal, acrylic aldehyde, acrylaldehyde, acraldehyde, Cyanoethylene, Fumigran, Ventox, propenenitrile, vinyl cyanide		
Acrylonitrile	107131	Hexanedioic acid		
Adipic acid	124049	Octalene, HHDN		
Aldrin	305902	2-propen-1-ol, 1-propenol-3, vinyl carbinol		
Allyl alcohol	107186	3-chloropropene, Chlorallylene		
Allyl chloride	107051	Alum		
Aluminum sulfate	10043013	Acetic acid ammonium salt		
Ammonia	7834417	Acid ammonium carbonate, ammonium hydrogen carbonate		
Ammonium acetate	631818	Acid ammonium fluoride, ammonium hydrogen fluoride		
Ammonium bicarbonate	1853634	Ammonium aminolamate		
Ammonium bicarbonate	1058337	Ammonium murate, sal ammoniac, salmic, Amchlor		
Ammonium bichromate	7789096	Diammonium citrate, citric acid diammonium salt		
Ammonium bifluoride	1341497			
Ammonium bisulfite	10192300			
Ammonium carbamate	1111780			
Ammonium carbonate	606878			
Ammonium chloride	12125029			
Ammonium chromate	7789989			
Ammonium citrate dibasic	3012655			

TABLE 116.4A—LIST OF HAZARDOUS SUBSTANCES—Continued

Common name	CAS No.	Synonyms	Isomers	CAS No.
Ammonium fluoborate	1382683d	Ammonium fluoborate, ammonium borofluoride.		
Ammonium fluoride	12125018	Neutral ammonium fluoride		
Ammonium hydroxide	1336218			
Ammonium oxalate	6009707			
	5972736			
	14258492			
Ammonium silicofluoride	1691918d	Ammonium silicofluoride		
Ammonium sulfamate	7773060	Ammonium sulfamate		
Ammonium sulfide	12195781	Ammonium sulfide		
Ammonium sulfite	10196040			
	10192300			
Ammonium tartrate	3164292	Tartaric acid ammonium salt		
	14307438			
Ammonium thiocyanate	1762854	Ammonium thiocyanate, ammonium isothiocyanate, ammonium sulfocyanate, ammonium thiocyanide.		
Amyl acetate	628637	Amyl acetate ester	iso-sec-tert-	123822 625380 625151
Aniline	62533	Phenylamine, aminobenzene, aminophen, cyanol.		
Antimony pentachloride	7847189			
Antimony potassium tartrate	28300745	Tartar emetic, tartaric antimony, tartaric antimony, potassium antimony tartrate.		
Antimony tribromide	7789618			
Antimony trichloride	10025919	Butter of antimony		
Antimony trifluoride	7783564	Antimony fluoride		
Antimony trioxide	1308644	Diantimony trioxide, flowers of antimony		
Arsenic disulfide	1303325	Red arsenic sulfide		
Arsenic pentoxide	1303282	Arsenic acid anhydride, arsenic oxide		
Arsenic trichloride	7784341	Arsenic chloride, arsenious chloride, arsenous chloride, butter of arsenic.		
Arsenic trioxide	1327533	Arsenious acid, arsenious oxide, white arsenic		
Arsenic trisulfide	1303339	Arsenious sulfide, yellow arsenic sulfide		
Barium cyanide	542621			
Benzene	71432	Cyclohexatriene, benzol		
Benzic acid	65850	Benzenecarboxylic acid, phenylformic acid, dracillyc acid.		
Benzonitrile	100470	Phenyl cyanide, cyanobenzene		
Benzoyl chloride	98884	Benzenecarbonyl chloride		
Benzyl chloride	100447			
Beryllium chloride	7787475			
Beryllium fluoride	7787487			
Beryllium nitrate	7787555			
	13597894			
Butyl acetate	123884	Acetic acid butyl ester	iso-sec-tert-	110180 105484 540885 78819 613495 13952845 75649
Butylamine	109739	1-aminobutane		
n-butyl phthalate	84742	1,2-benzenedicarboxylic acid, dibutyl ester, dibutyl phthalate.		
Butyric acid	107926	Butanoic acid, sthylacetic acid	iso-	76312
Cadmium acetate	543908			
Cadmium bromide	7789428			
Cadmium chloride	10108642			
Cadmium arsenate	7778441	Tricalcium orthoarsenate		
Calcium arsenite	52740186			
Calcium carbide	75207	Carbide, acetylenogen		
Calcium chromate	13765180	Calcium chrome yellow, geblin, yellow ultramarine.		
Calcium cyanide	592018			
Calcium dodecylbenzenesulfonate	26264062			
Calcium hypochlorite	7778543			
Caplan	133082	Orthocide-405, SR-405, Vancide-89		
Carbaryl	63252	Sevin		
Carbolarin	1563662	Furadan		
Carbon disulfide	75150	Carbon bisulfide, dithiocarbonic anhydride		
Carbon tetrachloride	56235	Tetrachloromethane Perchloromethane		
Chlordane	57749	Toxichlor, phlordan		

TABLE 116.4A—LIST OF HAZARDOUS SUBSTANCES—Continued

Common name	CAS No.	Synonyms	Isomers	CAS No.
Chlorine	75003			
Chlorobenzene	108907	Monochlorobenzene, benzene chloride		
Chloroform	67663	Trichloromethane		
Chlorpyrifos	2921852	Dursban		
Chlorosulfonic acid	7780945	Sulfuric chlorohydrin		
Chromic acetate	1066304			
Chromic acid	11115748	Chromic anhydride, chromium trioxide		
Chromic sulfate	10101538			
Chromous chloride	10049055			
Cobaltous bromide	7789437	Cobalt bromide		
Cobaltous formate	544183	Cobalt formate		
Cobaltous sulfamate	14017415	Cobalt sulfamate		
Coumaphos	86724	Co-Fal		
Cresol	1318773	Cresylic acid Hydroxytoluene	m- o- p-	108364 95487 108445
Crotonaldehyde	4170303	2-butenal propylene aldehyde		
Cupric acetate	142712	Copper acetate, crystallized verdigris		
Cupric acetoarsenite	12002038	Copper acetoarsenite, copper acetate arsenite, Paris green		
Cupric chloride	7447394	Copper chloride		
Cupric nitrate	9251238	Copper nitrate		
Cupric oxalate	6893563	Copper oxalate		
Cupric sulfate	7758987	Copper sulfate		
Cupric sulfate, ammoniated	10380297	Ammoniated copper sulfate		
Cupric tartrate	815827	Copper tartrate		
Cyanogen chloride	506774			
Cyclohexane	110827	Hexahydrobenzene, hexamethylene,		
2,4-D acid	94757	hexamethylene, 2,4-dichlorophenoxyacetic acid		
2,4-D ester	94111 94791 84804 1320189 1928387 1928616 1928733 2971382 25158287 53467111	2,4-dichlorophenoxyacetic acid ester		
DDT	50283	p,p'-DDT		
Diazinon	393415	Dipofene, Diazitol, Basudin, Spectracide		
Dicamba	1818009	2-methoxy-3,6-dichlorobenzoic acid		
Dichlobenil	1194536	2,6-dichlorobenzonitrile, 2,6-DBN		
Dichloré	117806	Phygon, dichloroanthraquinone		
Dichlorobenzene	25321226	Di-chlorido	Ortho Para	85501 106467
Dichloropropane	26638197	Paramoth (Para) Propylene dichloride	1,1 1,2 1,3	78999 78875 142289
Dichloropropene	26952238		1,3 2,3	542755 78896
Dichloropropane-dichloropropane (mixture)	8003198	D-D mixture Vidden D		
2,2-Dichloropropionic acid	75890	Dalapon		
Dichlorvos	62737	2,2-dichlorovinyl dimethyl phosphate, Vapona		
Dicofol	115322	Di(p-chlorophenyl)-trichloromethylcarbinol, DTMC, dicofol		
Dieldrin	60571	Alit		
Diethylamine	106897			
Dimethylamine	124403			
Dinitrobenzene (mixed)	25154545	Dinitrobenzol	m- o- p- (2,5-) (2,4-) (2,6-)	89650 528290 100254 329716 573568
Dinitrophenol	51285	Aldifen	2,4 2,6 3,4	121142 506202 610389
Dinitrotoluene	25321146	DNT		
Diquat	85007 2764729	Aquacide Dextrene, Reglone, Diquat dibromide		

TABLE 116.4A—LIST OF HAZARDOUS SUBSTANCES—Continued

Common name	CAS No.	Synonyms	Isomers	CAS No.
Disulfoton	298044	Dibyston		
Diuron	330541	DCMU, DMU		
Dodecylbenzenesulfonic acid	27176870			
Endosulfan	115297			
Endrin	72208	Thiodan		
Epichlorohydrin	106858	Mendrin, Compound 269		
Ethion	563122	-chloropropylene oxide		
Ethylbenzene	100414	Nalata, ethyl methylene, phosphorodithioate		
Ethylenechloride	107153	Phenylthane		
Ethylenediamine-tetraacetic acid (EDTA)	60004	1,2-diaminoethane		
Ethylene dibromide	106934	Edetic acid, Havidate, (ethylenediamino)-tetraacetic acid, 1,2-dibromoethane acetylene dibromide sym-dibromooethylene		
Ethylene dichloride	107052	1,2-dichloroethane sym-bichloroethane		
Ferric ammonium citrate	118575	Ammonium ferric citrate		
Ferric ammonium oxalate	2844674	Ammonium ferric oxalate		
Ferric chloride	770590	Ferrous muds, iron trichloride		
Ferric fluoride	778358			
Ferric nitrate	10421484	Iron nitrate		
Ferric sulfate	10028225	Ferric persulfate, ferric sesquisulfate, ferric tersulfate		
Ferrous ammonium sulfate	10045893	Mohr's salt, iron ammonium sulfate		
Ferrous chloride	7758940	Iron chloride, iron dichloride, iron protochloride		
Ferrous sulfate	7720767	Green vitriol		
Formaldehyde	50000	Iron vitriol, iron sulfate, iron protosulfate		
Formic acid	64186	Methyl aldehyde, methanal, formalin		
Fumaric acid	110178	Methanolic acid		
Furfural	98011	Trans-butenedioic acid, trans-1,2-ethylenedicarboxylic acid, boldic acid, allomaleic acid		
Guthion	86500	2-furaldehyde, pyromucic aldehyde		
Heptachlor	76448	Guthion, azinphos-methyl		
Hexachlorocyclopentadiene	77474	Volicol-104, Dinox, Heptagran		
Hydrochloric acid	7647010	Perchlorocyclopentadiene		
Hydrofluoric acid	7664393	Hydrogen chloride, muriatic acid		
Hydrogen cyanide	74908	Fluohydric acid		
Hydrogen sulfide	7783064	Hydrocyanic acid		
Isoprene	78785	Hydrostulfuric acid sulfur hydride		
Isopropylamine	42504461	2-methyl-1,3-butadiene		
dodecylbenzenesulfonate				
Kopone	143500	Chlordecone 1,1a,3,3a,4,5,5a,5b,6-decachlorooctahydro-1,3,4-metheno-2H-cyclobuta(cd)pentalen-2-one		
Lead acetate	301042	Sugar of lead		
Lead arsenate	7784409			
	7845252			
	10102484			
Lead chloride	7758954	Lead fluoroborate		
Lead fluoroborate	13814965	Lead difluoride, plumbous fluoride		
Lead fluoride	7783462			
Lead iodide	10101630			
Lead nitrate	10099748	Stearic acid lead salt		
Lead stearate	7426480			
	1072351			
	52652592			
Lead sulfate	7448142	Galena		
Lead sulfide	1314870	Lead sulfocyanate		
Lead thiocyanate	592870	Gammis-BHC, gamma-benzene hexachloride		
Lindane	58899			
Lithium chromate	14307358	Phosphothion		
Malathion	121755	Cis-butenedioic acid, cis-1,2-ethylenedicarboxylic acid, toxic acid, 2,5-furandione, cis-butenedioic anhydride, toxic anhydride		
Maleic acid	110187			
Maleic anhydride	108316	Mesural		
Mercaptodmethur	208657	Mercury cyanide		
Mercuric cyanide	592041	Mercury nitrate, mercury persulfate		
Mercuric nitrate	10045840	Mercury sulfide, mercury persulfate		
Mercuric sulfate	7783359	Mercury thiocyanate, mercuric sulfocyanate, mercuric sulfocyanide		
Mercuric thiocyanate	592858			

TABLE 116.4A—LIST OF HAZARDOUS SUBSTANCES—Continued

Common name	CAS No.	Synonyms	Isomers	CAS No.
Mercurous nitrate	7782867			
	10415755	Mercury protonitrate		
Mothoxychlor	72435	DMDT, methoxy-DDT		
Methyl mercaptan	74931	Methanethiol, mercaptomethane, methyl sulfhydryle, thiomethyl alcohol		
Methyl methacrylate	80525	Mathacrylic acid methyl ester, methyl-2-methyl-2-propenoate		
Methyl parathion	298000	Nitro-80		
Mevinphos	7786347	Phosdrin		
Mexacarbata	315184	Zectran		
Monoethylamine	75047	Ethylamine, aminopethane		
Monoethylamine	74895	Methylamine, aminomethane		
Naled	300785	Dibrom		
Naphthalene	91203	White tar, tar camphor, naphthalin		
Naphthenic acid	1338245	Cyclohexanecarboxylic acid, hexahydrobenzoic acid		
Nickel ammonium sulfate	15599180	Ammonium nickel sulfate		
Nickel chloride	37211055	Nickelous chloride		
	7718549			
Nickel hydroxide	12054487	Nickalous hydroxide		
Nickel nitrate	14216752			
Nickel sulfate	7786814	Nickalous sulfate		
Nitric acid	7597372	Aqua fortis		
Nitrobenzene	98953	Nitrobenzol, oil of mirbane		
Nitrogen dioxide	1010240	Nitrogen tetroxide		
Nitrophenol (mixed)	25154556	Mononitrophenol	m- o- p- Ortho Meta Para	554847 88755 100027 88722 99081 99990
Nitrotoluene	1321126			
Paraformaldehyde	30525894	Paraform, Formagene, Triformol, polymerized formaldehyde, polyoxymethylene		
Parathion	56342	DNTP, Nirañ		
Pentachlorophenol	87865	PCP, Penta		
Phenol	108952	Carbolic acid, phenyl hydroxide, hydroxybenzene, oxybenzene		
Phosgene	75445	Diphosgene, carbonyl chloride, chloroformyl chloride		
Phosphoric acid	7864382	Orthophosphoric acid		
Phosphorus	7723140	Black phosphorus, red phosphorus, white phosphorus		
Phosphorus oxychloride	10025873	Phosphoryl chloride, phosphorus chloride		
Phosphorus pentasulfide	1314803	Phosphoric sulfide, thiophosphoric anhydride, phosphorus persulfide		
Phosphorus trichloride	7719122	Phosphorus chloride		
Polychlorinated biphenyls	1336363	PCB, Aroclor, polychlorinated diphenyls		
Potassium arsenate	7784410			
Potassium arsenite	10124902	Potassium metaarsenite		
Potassium bichromate	7778509	Potassium dichromate		
Potassium chromate	7789006			
Potassium cyanide	151508			
Potassium hydroxide	1310583	Potassium hydrate, caustic potash, potassa		
Potassium permanganate	7722547	Chameleon mineral		
Propylene	2312358	Ornite		
Propionic acid	78094	Propanoic acid, methylacetic acid, ethylformic acid		
Propionic anhydride	123626	Propanoic anhydride, methylacetic anhydride		
Propylene oxide	75569	Propene oxide		
Pyrethrin	121299	Pyrethrin I		
	121211	Pyrethrin II		
Quinoline	91225	1-benzazine, benzo(b)pyridine, leucocoline, chinoline, teucol		
Resorcinol	108463	Resorcin, 1,3-benzenediol, meta-dihydroxybenzene		
Selenium oxide	7446084	Selenium dioxide		
Silver nitrate	7761888	Nitric acid silver (1+) salt lunar caustic		
Sodium	7440235	Sodium		
Sodium arsenate	7631892	Sodium arsenate		
Sodium arsenite	7784465	Sodium metaarsenite		
Sodium bichromate	10588019	Sodium dichromate		
Sodium bifluoride	1333631			

TABLE 116.4A—LIST OF HAZARDOUS SUBSTANCES—Continued

Common name	CAS No.	Synonyms	Isomers	CAS No.
Sodium bisulfite	7631805	Sodium acid sulfite, sodium hydrogen sulfite		
Sodium chromate	7775113			
Sodium cyanide	143339			
Sodium dodecylbenzenesulfonate	25155300			
Sodium fluoride	7581494			
Sodium hydrosulfide	15721805	Villiamite		
Sodium hydroxide	1310732	Sodium hydrogen sulfide		
Sodium hypochlorite	7681529	Caustic soda, soda lye, sodium hydrate		
	10022705	Bleach		
Sodium methylete	124414			
Sodium nitrite	7632000	Sodium methoxide		
Sodium phosphate, dibasic	7556794			
	10039324			
	10140855			
Sodium phosphate, tribasic	7785844			
	7801549			
	10101890			
	10381884			
	7788294			
	10124559			
Sodium selenite	10102188			
	7782823			
Strontium chromate	7785062			
Strychnine	57249			
Styrene	100425	Vinylbenzene, phenylethylene, styrol, styrolene, cinnamene, cinnamol.		
		Oil of vitriol, blouin		
Sulfuric acid	7664939	Sulfur chloride		
Sulfur monochloride	12771083	2,4,5-trichlorophenoxyacetic acid		
2,4,5-T acid	93785	Acetic acid (2,4,5-trichlorophenoxy)-compound with N,N-dimethylmethanamine (1:1).		
2,4,5-T amines	8369966	Acetic acid (2,4,5-trichlorophenoxy)-compound with N-methylmethanamine (1:1).		
		Acetic acid (2,4,5-trichlorophenoxy)-compound with 1-amino-2-propanol (1:1).		
		Acetic acid (2,4,5-trichlorophenoxy)-compound with 2,2'-nitroethane [ethanol] (1:1).		
2,4,5-T esters	2545587	2,4,5-trichlorophenoxyacetic esters		
	93798			
	51792072			
	1928478			
	25168154			
2,4,5-T salts	13560981	Acetic acid (2,4,5-trichlorophenoxy)-sodium salt		
		DDD		
TDE	72548	Propanoic acid 2-(2,4,5-trichlorophenoxy)		
2,4,5-TP acid	93721	Propanoic acid, 2-(2,4,5-trichlorophenoxy)-, [isocetyl ester]		
2,4,5-TP esters	32534955	Lead tetraethyl, TEL		
		TEPP		
Tetraethyl lead	78002			
Tetraethyl pyrophosphate	187493			
Thallium sulfate	10031581			
	7446186			
	108883	Toluol, methylbenzene, phenylmethane, Methacide.		
Toluene		Camphochlor		
Toxaphene	8001352	Dipterex		
Trichlorfon	52686			
		Ethylene trichloride		
Trichlorethylene	78016	Collinsonal, Dowicide 2 or 2S, Omal, Phenachlor.	(2,3,4-)	15950660
Trichlorophenol	2516782		(2,3,5-)	933788
			(2,3,6-)	933755
			(2,4,5-)	95954
			(2,4,6-)	88092
			(3,4,5-)	609188
Triethanolamine				
dodecylbenzenesulfonate,	27323417			
Triethylamine	121448			
Trimethylamine	76503	TMA		
Uranyl acetate	541093			
Uranyl nitrate	10102084			
	35478789			
Vanadium pentoxide	1314821	Vanadic anhydride, vanadic acid anhydride		

TABLE 116.4A—LIST OF HAZARDOUS SUBSTANCES—Continued

Common name	CAS No.	Synonyms	Isomers	CAS No.
Vanadyl sulfate	27774136	Vanadic sulfate, vanadium sulfate		
Vinyl acetate	108054	Acetic acid ethylene ether		
Vinylidene chloride	75354	1,1-dichloroethylene		
		1,1-dichloroethane		
Xylene (mixed)	1330207	Dimethylbenzene	m-	105383
		Xylol	o-	95478
			p-	106423
Xylenol	1300718	Dimethylphenol, hydroxydimethylbenzene		
Zinc acetate	857348			
Zinc ammonium chloride	14839975			
	14639986			
	52828258			
Zinc borate	1332678			
Zinc bromide	7699458			
Zinc carbonate	3486359			
Zinc chloride	7846857	Butler of zinc		
Zinc cyanide	557211			
Zinc fluoride	7783495			
Zinc formate	557415			
Zinc hydroxide	7779864			
Zinc nitrate	7779886			
Zinc phenolsulfonate	127822	Zinc sulfocarbolate		
Zinc phosphide	1314847			
Zinc silicofluoride	18871719	Zinc silosilicate		
Zinc sulfate	7733020	White vitriol, white copperas		
Zirconium nitrate	13748899			
Zirconium potassium fluoride	16923958			
Zirconium sulfate	14644612	Dissulfatozirconic acid		
Zirconium tetrachloride	10028116			

TABLE 116.4B—LIST OF HAZARDOUS SUBSTANCES BY CAS NUMBER

CAS No.	Common name
50000	Formaldehyde
50293	DOT
51285	2,4-Dinitrophenol
52886	Trichlorfon
58382	Parathion
58724	Guantethion
57249	Stychnine
57749	Chlordane
68899	Lindane
80004	Ethylene diaminetetraacetic acid (EDTA)
80571	Dieldrin
82533	Aniline
82737	Dichlorvos
83252	Carbaryl
84188	Formic acid
84197	Acetic acid
85850	Boric acid
87663	Chloroform
71432	Benzene
72208	Eridrin
72435	Methoxychlor
72548	TDE
74895	Monomethylamine
74908	Hydrogen cyanide
74931	Methyl mercaptan
75047	Monoethylamine
75070	Acetaldehyde
75150	Carbon disulfide
75207	Calcium carbide
76445	Phosgene
75503	Trimethylamine
75549	tert-Butylamine
75885	Acetone cyanohydrin
75990	2,2-Dichloropropionic acid
76448	Heptachlor

TABLE 116.4B—LIST OF HAZARDOUS SUBSTANCES BY CAS NUMBER—Continued

CAS No.	Common name
78002	Tetraethyl lead
78785	Isoprene
78819	iso-Butylamine
79084	Propionic acid
78312	iso-Butyric acid
79367	Acetyl chloride
80828	Methyl methacrylate
85007	Diquat
85500	Guthion
87885	Pentachlorophenol
88755	o-Nitrophenol
91203	Naphthalene
91225	Quinoline
93765	2,4,5-T acid
93798	2,4,5-T ester
94111	2,4-D acid
94757	2,4-D ester
94791	2,4-D acid
94804	2,4-D ester
95476	2,4-D Butyl ester
95487	o-Xylene
98011	o-Cresol
98884	Furfural
98953	Benzoyl chloride
99650	Nitrobenzene
100027	m-Dinitrobenzene
100254	p-Nitrophenol
100414	p-Dinitrobenzene
100425	Ethylbenzene
100447	Styrene
100470	Benzyl chloride
105484	Benzonitrile
106423	sec-Butyl acetate
106445	p-Xylene
107028	p-Cresol
107051	Acrolein
	Allyl chloride

TABLE 116.4B—LIST OF HAZARDOUS SUBSTANCES BY CAS NUMBER—Continued

CAS No.	Common name
107131	Acrylonitrile
107153	Ethylene diamine
107186	Allyl alcohol
107493	Tetraethyl pyrophosphate
107926	n-Butyric acid
108054	Vinyl acetate
108247	Acetic anhydride
108316	Malic anhydride
108363	m-Xylene
108394	m-Cresol
108483	Fluorobenzene
108883	Toluene
108907	Chlorobenzene
108952	Phenol
109739	n-Butylamine
109897	Diethylamine
110157	Malic acid
110178	Fumaric acid
110190	iso-Butyl acetate
110827	Cyclohexane
115297	Endosulfan
115322	Dicofol
117806	Dichloro
121211	Pyridithin
121299	Pyridithin
121448	Triethylamine
121765	Malathion
123626	Propionic anhydride
123854	n-Butyl acetate
123922	iso-Amyl acetate
124403	Dimethylamine
124414	Sodium methylate
127822	Zinc phenolsulfonate
133082	Captan
142712	Cupric acetate
143339	Sodium cyanide
151508	Potassium cyanide
298000	Methyl parathion
298044	Disulfoton
800785	Naled
901042	Lead acetate
309002	Alcryn
315184	Maxcarbato
329715	2,5-Dinitrophenol
330541	Diuron
333415	Diazinon
505774	Cyanogen chloride
505876	Ammonium carbonate
505967	Acetyl bromide
513495	sec-Butylamine
528290	o-Dinitrobenzene
540665	tert-Butyl acetate
541093	Uranyl acetate
542621	Barium cyanide
543908	Cadmium acetate
544183	Cobaltous formate
554847	m-Nitrophenol
557211	Zinc cyanide
557346	Zinc acetate
557415	Zinc formate
563122	Ethion
573568	2,6-Dinitrophenol
592018	Calcium cyanide
592041	Mercuric cyanide
592858	Mercuric thiocyanate
592870	Lead thiocyanate
525161	tert-Amyl acetate
626380	sec-Amyl acetate
628637	n-Amyl acetate
631818	Ammonium acetate
815827	Cupric tartrate

TABLE 116.4B—LIST OF HAZARDOUS SUBSTANCES BY CAS NUMBER—Continued

CAS No.	Common name
1066304	Chromic acetate
1068337	Ammonium bicarbonate
1072351	Lead stearate
1111780	Ammonium carbamate
1185575	Ferric ammonium citrate
1194655	Dichlorobenzil
1300716	Xylenol
1303282	Arsenic pentoxide
1303328	Arsenic disulfide
1303339	Arsenic trisulfide
1309844	Antimony trioxide
1310583	Potassium hydroxide
1310782	Sodium hydroxide
1314821	Vanadium pentoxide
1314803	Phosphorus pentasulfide
1314847	Zinc phosphide
1314870	Lead sulfide
1318773	Cresol (mixed)
1320180	2,4-D ester
1327533	Arsenic trioxide
1330207	Xylene
1332078	Zinc borate
1333631	Sodium bifluoride
1336216	Ammonium hydroxide
1336363	Polychlorinated biphenyls
1338245	Naphthoic acid
1341497	Ammonium bifluoride
1782954	Ammonium thiocyanate
1863634	Ammonium borazate
1918009	Dicamba
1928387	2,4-D esters
1928478	2,4,5-T ester
1929816	2,4-D ester
1929733	2,4-D ester
2545597	2,4,5-T ester
2784729	Diquat
2921882	Chlorpyrifos
2944674	Ferric ammonium oxalate
2971382	2,4-D ester
3012655	Ammonium citrate, dibasic
3164292	Ammonium tartrate
3261238	Cupric nitrate
3486358	Zinc carbonate
5893663	Cupric oxalate
5972736	Ammonium oxalate
5009707	Ammonium oxalate
6369966	2,4,5-T ester
7428480	Lead stearate
7440235	Sodium
7448084	Selenium oxide
7446142	Lead sulfate
7447394	Cupric chloride
7558794	Sodium phosphate, dibasic
7801549	Sodium phosphate, tribasic
7631892	Sodium arsenate
7831905	Sodium bisulfite
7632000	Sodium nitrite
7645252	Lead arsenate
7648857	Zinc chloride
7647010	Hydrochloric acid
7647189	Antimony pentachloride
7664382	Phosphoric acid
7854393	Hydrofluoric acid
7664417	Ammonia
7654939	Sulfuric acid
7681494	Sodium fluoride
7681529	Sodium hypochlorite
7697372	Nitric acid
7699458	Zinc bromide
7705060	Ferric chloride
7718549	Nickel chloride

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TABLE 116.4B—LIST OF HAZARDOUS SUBSTANCES BY CAS NUMBER—Continued

CAS No.	Common name
7719122	Phosphorus trichloride
7720787	Ferrous sulfate
7722847	Potassium permanganate
7723140	Phosphorus
7733020	Zinc sulfate
7758294	Sodium phosphate, tribasic
7758543	Ferrous chloride
7758854	Lead chloride
7758957	Cupric sulfate
7773080	Ammonium sulfamate
7775113	Sodium chromate
7778441	Calcium arsenate
7778509	Potassium dichromate
7778543	Calcium hypochlorite
7778664	Zinc hydrosulfite
7778888	Zinc nitrate
7782505	Chlorine
7782630	Ferrous sulfate
7782823	Sodium selenite
7782857	Mercurous nitrate
7783359	Mercuric sulfate
7783462	Lead fluoride
7783495	Zinc fluoride
7783508	Ferric fluoride
7783564	Antimony trifluoride
7784341	Arsenic trichloride
7784408	Lead arsenate
7784410	Potassium arsenate
7784465	Sodium arsenite
7786844	Sodium phosphate, tribasic
7786347	Meviphos
7786814	Nickel sulfate
7787475	Beryllium chloride
7787497	Beryllium fluoride
7787556	Beryllium nitrate
7789589	Ammonium chromate
7789606	Potassium chromate
7789662	Strontium chromate
7789695	Ammonium dichromate
7789426	Cadmium bromide
7789437	Cobaltous bromide
7789819	Antimony tribromide
7790845	Chlorosulfonic acid
8001352	Toxaphene
10022705	Sodium hypochlorite
10025873	Phosphorus oxychloride
10025919	Antimony trichloride
10026116	Zirconium tetrachloride
10028225	Ferric sulfate
10028247	Sodium phosphate, dibasic
10039324	Sodium phosphate, dibasic
10043013	Aluminum sulfate
10045893	Ferrous ammonium sulfate
10045940	Mercuric nitrate
10049055	Chromium chloride
10088748	Lead nitrate
10101538	Chromic sulfate
10101830	Lead iodide
10101890	Sodium phosphate, tribasic
10102064	Uranyl nitrate
10102188	Sodium selenite
10102440	Nitrogen dioxide
10102484	Lead arsenate
10108642	Cadmium chloride
10124502	Potassium arsenite
10124958	Sodium phosphate, tribasic
10140655	Sodium phosphate, dibasic
10192300	Ammonium bisulfite
10196040	Ammonium sulfite
10361894	Sodium phosphate, tribasic
10380297	Cupric sulfate, ammoniated

TABLE 116.4B—LIST OF HAZARDOUS SUBSTANCES BY CAS NUMBER—Continued

CAS No.	Common name
10415755	Mercurous nitrate
10421484	Ferric nitrate
10588019	Sodium dichromate
11116745	Chronic acid
12002038	Cupric acetylacetonate
12054487	Nickel hydroxide
12125018	Ammonium fluoride
12125029	Ammonium chloride
12136781	Ammonium sulfide
12771083	Sulfur chloride
13597894	Beryllium nitrate
13746899	Zirconium nitrate
13765190	Calcium chromate
13814965	Lead fluoride
13826830	Ammonium fluoroborate
13952846	sec-Butylamine
14017415	Cobaltous sulfamate
14216782	Nickel nitrate
14258492	Ammonium oxalate
14307358	Lithium chromate
14307438	Ammonium tartrate
14639975	Zinc ammonium chloride
14639986	Zinc ammonium chloride
14644812	Zirconium sulfate
15899180	Nickel ammonium sulfate
18721805	Sodium hydrosulfide
18871719	Zinc silicofluoride
18919180	Ammonium silicofluoride
18923958	Zirconium potassium fluoride
25154545	Dinitrobenzene
25154556	Nitrophenol
25155300	Sodium dodecylbenzenesulfonate
25167822	Trichlorophenol
25168154	2,4,5-T ester
25168267	2,4-D ester
26264082	Calcium dodecylbenzenesulfonate
27178870	Dodecylbenzenesulfonic acid
27323417	Triethanolamine
	dodecylbenzenesulfonate
27774138	Vanadyl sulfate
28300745	Antimony potassium tartrate
30325894	Paraformaldehyde
36478769	Uranyl nitrate
37211053	Nickel chloride
42504461	Dodecylbenzenesulfonate isopropylamine
52628258	Zinc ammonium chloride
52740166	Calcium arsenite
53467111	2,4-D ester
55488874	Ferric ammonium oxalate
61792072	2,4,5-T ester

[43 FR 10474, Mar. 13, 1978; 43 FR 27533, June 26, 1978, as amended at 44 FR 10268, Feb. 16, 1979; 44 FR 65400, Nov. 13, 1979; 44 FR 66602, Nov. 20, 1979; 54 FR 33482, Aug. 14, 1989]

PART 117—DETERMINATION OF REPORTABLE QUANTITIES FOR HAZARDOUS SUBSTANCES

Subpart A—General Provisions

- Sec.
- 117.1 Definitions.
- 117.2 Abbreviations.