

SETTLEMENT AGREEMENT AND MUTUAL RELEASE

This Settlement Agreement and Mutual Release (“**Agreement**”) is made and entered into by and between County Sanitation District No. 2 of Los Angeles County (the “**District**”) and Tetra Tech, Inc., a Delaware corporation (“**Tetra Tech**”). The District and Tetra Tech are collectively referred to herein as the “**Parties**” or individually as a “**Party**.”

RECITALS

A. The District, pursuant to Senate Bill 485, is authorized to acquire, construct, operate, maintain, and furnish facilities for the various purposes relating to the diversion, management, treatment, discharge, and beneficial use of stormwater and dry weather runoff diverted from the stormwater drainage system within the District’s service area.

B. In May 2016, District issued a Request for Proposals (“**RFP**”) for “on-call” engineering and consulting services for stormwater management and compliance-related projects both at District’s facilities and to support an anticipated regional stormwater project that would divert stormwater from a large storm drain culvert to a subsurface storage structure for either on-site treatment and reuse and/or diversion to a District sewer.

C. As described in the RFP, the contemplated scope of work related to the regional stormwater project included conceptual design, preliminary design, CEQA support, final design, permitting and construction support. The RFP indicated that a California Registered Professional Engineer in responsible charge of each discipline (e.g., civil, mechanical, electrical) will be required to stamp and sign the construction documents.

D. Based on proposals four consulting engineering companies received in June 2016, Tetra Tech was selected to support a stormwater management project at Carriage Crest Park, as well as work related to Sanitation Districts’ facilities.

E. The City of Carson and District entered into a Stormwater Project Services Agreement (“**Project Agreement**”) effective July 19, 2016, whereby District agreed, at the City’s direction, to support planning, design, and construction management for Project No. 1515 – Carson Stormwater Capture Facility at Carriage Crest Park (“**Project**”) on a time and materials basis.

F. In August 2016, with the approval of the City, District subsequently contracted with Tetra Tech to provide technical services for the Project on a time and materials basis based on the RFP process (contract referred to as “**Professional Services Contract**”). The scope of those technical services included performing preliminary engineering and site investigations, design services, and construction management for the Project. Tetra Tech began work on the Project in approximately August 2016.

G. Pursuant to the Professional Services Contract with District, Tetra Tech prepared a Request for Proposals (RFP) for the City's use in procuring precast concrete modular units for stormwater storage for the Project. Thereafter, using the RFP prepared by Tetra Tech, the City separately contracted with StormTrap for the fabrication and delivery of the stormwater storage modules ("**Storage Modules**") as City-furnished equipment for the Project.

H. Pursuant to the Professional Services Contract with District, Tetra Tech prepared contract documents that included invitation to bid forms, construction drawings, and specifications for the City's use in soliciting bids for the construction activities on the Project. Those activities included: construction of a diversion structure at the County Flood Control culvert; supply and installation of a pretreatment device; excavation, installation and backfill of the City-furnished precast stormwater storage units; construction of a below-ground pump station; construction of a junction structure to connect to a District trunk sewer; restoration of the ball fields and landscaping directly affected by the construction; and all additional civil, mechanical, and electrical work associated with the Project, including the installation of a new electrical transformer and service meter to supply power to the Project.

I. In or around May 2018, using the contract documents prepared by Tetra Tech, the City received bids for constructing the Project. Thereafter, based on the bids received, Carson separately contracted with OHL USA ("**OHL**") as the general contractor for the Project.

J. Tetra Tech performed on-site construction observation and field engineering for both the Storage Modules and OHL portions of the Project, until approximately September 16, 2022 when City requested that the District stop using Tetra Tech due to project budget reasons and dissatisfaction with Tetra Tech's ability to direct the work of OHL. At that time, the majority of the physical work had been completed and the remaining work consisted primarily of functional testing of mechanical equipment, instrumentation, and the control logic.

K. On or about March 14, 2022, Carson issued a claim letter to Tetra Tech advising that "errors and omissions in its design and construction management services" resulted in "vault flooding and equipment damages... related to the failure of Tetra Tech's design to manage water intrusion into subsurface vaults containing sensitive electrical equipment."

L. On or about August 9, 2023, Carson issued a claim letter to District advising that City was holding District accountable for the Alleged Defective Work related to the services provided by Tetra Tech.

M. The "**Alleged Defective Work**" includes, but is not necessarily limited to, the design and construction management aspects related to the overall grading of the Project, the placement and relative elevations of the various hatches and electrical pull boxes, the irrigation in the vicinity of those vaults, and the omission of curbing, swales, area drains and/or other considerations to manage surface runoff at the Project or the likely presence of water in the equipment vaults.

N. Tetra Tech has denied the allegations made by Carson and has agreed to work with Carson and the District to develop a solution. To that end, Tetra Tech has prepared revisions to the construction drawings (“**Revised Drawings**”) for the project for City’s use in having OHL or others remediate the drainage issues and damaged equipment at the Project (“**Corrective Actions**”). Tetra Tech has indicated that the drainage improvements proposed on the Revised Drawings were designed to meet the runoff from a precipitation event with a 25-year return period.

O. As shown on the Revised Drawings, which are included as Exhibit A, the Corrective Actions recommended by Tetra Tech consist generally of the following: the addition of sump pumps in three vaults, the addition of a check valve to prevent potential backflow into one vault, modifications to prevent water migration in electrical conduits, precast curbing to deflect runoff away from two vaults, re-grading the vault area to create local low spots with area drains, landscaping changes to reduce irrigation in the vault area, and the replacement of valve actuators, pressure transmitters, and gas detectors damaged by water ingress.

P. The Parties have identified the extent of the claims, and the proposed remediation of the claims as identified in the Revised Drawings included in Exhibit A, attached hereto and made a part hereof.

Q. The Parties wish to resolve, release, and fully settle, without any admission of liability by them, all issues, disputes and claims and potential issues, disputes and claims with respect to the Project.

R. The Parties have consulted their own respective attorneys and have conducted arm’s length settlement negotiations, which have resulted in this Agreement.

AGREEMENT

NOW THEREFORE, in consideration of the foregoing Recitals, the mutual promises and covenants contained herein, and other valuable consideration, the receipt and sufficiency of which the Parties hereby acknowledge, the Parties agree as follows:

1. **Effective Date.** This Agreement is effective as of September 11, 2024.
2. **Payment.** Tetra Tech agrees to pay the sum of **\$ 390,000.00** to the District within ten(10) days of the Effective Date, based on a release of liability as described below, to reimburse the District for costs incurred to implement the Corrective Actions.
3. **Release by District.** Effective upon receipt of payment from Tetra Tech, District releases, remises, and discharges Tetra Tech from and against any and all Claims which the District has or may hereafter have against Tetra Tech by reason of any matter, cause, or thing whatsoever from the beginning of time to the Effective Date arising out of, based upon, or related to in any way the Project, the Alleged Defective Work, or any aspect thereof.

4. Release by Tetra Tech. Effective as of the date of this agreement, Tetra Tech for itself, its successors, assigns and insurers hereby releases, remises, and discharges District, all other County Sanitation Districts of Los Angeles County, and all of their respective successors, assigns, agents, employees, representatives, directors, insurers, and counsel (collectively, the "**District Releasees**") from and against any and all causes of action, actions, in law or in equity, suits, debts, liens, contracts, agreements, promises, liabilities, claims, demands, damages, losses, fees and costs (including, without limitation, attorneys' fees) of any nature whatsoever (collectively, "**Claims**"), which Tetra Tech has or may hereafter have against the District Releasees by reason of any matter, cause, or thing whatsoever from the beginning of time to the Effective Date arising out of, based upon, or related to the Project or any aspect thereof. The District agrees to defend and indemnify Tetra Tech for any claims made by Carson against Tetra Tech arising out of or related in any way to the Project and/or the Alleged Defective Work.

5. No Assignment. Each Party hereby represents and warrants to the other Party that it has not assigned, transferred, or purported to assign or transfer, and will not assign, transfer, or purport to assign or transfer, to any person or entity, any interest in any Claims released by it in this Agreement. Each Party further covenants and agrees that it shall not commence, join in, or in any manner seek relief through any suit or action arising out of, based upon, or relating to any Claims released in this Agreement, or in any manner assert or cause to assist another person or entity to assert against the other Party any Claims released in this Agreement.

6. Non-Reliance. The Parties assume any and all risks that the facts and law may be or will become different from the facts and law as known to, or believed to be known, by the Parties as of the Effective Date.

7. Acknowledgments. Each Party acknowledges, represents, warrants and covenants that: it has had an adequate opportunity to determine all facts necessary to make a knowing release of all Claims released by it in this Agreement; it has executed this Agreement knowingly and without duress; it has retained or had the opportunity to retain such independent legal counsel as it deems appropriate to advise it in connection with the execution and delivery of this Agreement; and it understands the terms and conditions of this Agreement.

8. Authority. The individuals signing this Agreement each acknowledge and represent that they have the authority and capacity to execute this Agreement on behalf of their respective Party and bind it to the terms of this Agreement. Each Party acknowledges and agrees that the execution and delivery of this Agreement and the performance of such Party's obligations under this Agreement have been duly authorized, and that this Agreement is a valid and legal agreement binding on the Party and enforceable according to its terms.

9. Successors. This Agreement shall be binding upon and inure to the benefit of the Parties and each of their past, present and future predecessors, successors, assigns, agents, directors, officers, shareholders, managers, owners, supervisors, employees, trustees, representatives, insurers, sureties, attorneys, and any person or entity claiming by, through or under any Party.

10. Fees and Costs. Each of the Parties to this Agreement shall bear its own costs and expenses and attorneys' fees incurred prior to the date of this Agreement, including, without limitation, expenses incurred by their respective expert witnesses, other costs, expenses and attorneys' fees incurred in connection with the Claims released in this Agreement and the negotiation, drafting and execution of this Agreement.

11. Execution of Documents. Each Party shall cooperate and promptly execute any and all documents and perform any and all acts necessary to fulfill the provisions and intent of this Agreement. This Agreement may be executed in counterparts, and all counterparts shall be deemed to constitute a single agreement. This Agreement may be executed by facsimile or electronic signature, which shall be as binding and effective as an original signature.

12. Delegation to the Chief Engineer. The District's Chief Engineer is authorized to take all actions on behalf of the District in connection with any approvals, consents, or actions required of or by the District under this Agreement including amendments to the Agreement.

13. Entire Agreement. This Agreement sets forth and contains the complete understanding of the Parties with respect to the settlement of the Parties' disputes related to the Project and supersedes all prior or contemporaneous oral or written understandings, statements, representations and promises relative to the subject matter of this Agreement. There are no other agreements pertaining to settlement of the Parties' disputes related to the Project not set forth herein. Upon being fully executed, this Agreement shall be deemed final in all respects. No other promises or agreements have been made to induce any party to enter into this Agreement.

14. Modifications. No change in, amendment to, waiver or termination of this Agreement, or any part hereof, shall be enforceable unless in writing and signed by all Parties. No waiver by any Party of any condition of this Agreement or any breach by any Party of any of its obligations or representations hereunder shall be deemed to be a waiver of any other right, condition or subsequent or prior breach by any Party.

15. No Third-Party Beneficiaries. The terms and provisions of this Agreement are solely between the Parties, and is not intended to benefit any other person, and shall not release or relieve any non-party from liability to any Party.

16. Headings. The headings in this Agreement are for convenience only and shall neither constitute part of this Agreement nor be construed to affect the interpretation of this Agreement or the provisions herein.

17. Severability. If any part of this Agreement is invalidated, set aside, modified or disapproved as a result of a judicial or administrative ruling or determination, the remainder of the Agreement shall remain in full force and effect, and the Parties shall fulfill their obligations under this Agreement consistent with the remainder of this Agreement.

18. No Admission. Nothing in this Agreement shall be construed as an admission by any Party of any liability of any kind to the other Party.

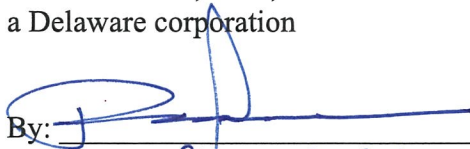
19. Dispute Resolution; Governing Law; Venue; Prevailing Party Attorney Fees. In the event any Party asserts that any other Party is in default under this Agreement, the aggrieved Party shall first give the defaulting Party written notice of a ten (10) day right to cure any such default before initiating any proceeding for breach of this Agreement. The Parties agree that this Agreement is governed by the laws of the State of California and that the exclusive venue for any dispute shall be in the Los Angeles County. In the event that a civil action or other legal proceeding is brought by any Party to (a) enforce any part of this Agreement, or (b) to determine any rights of any of the Parties hereunder, the substantially prevailing Party in any such proceeding shall be awarded its reasonable attorneys' fees, expenses and costs incurred to be paid by the non-substantially prevailing Party.

IN WITNESS HEREOF, the Parties have executed and entered into this Agreement as of

_____.

TETRA TECH:

TETRA TECH, INC.,
a Delaware corporation

By: 

Print Name: RICHARD A. LEMMON

Title: SENIOR VICEPRESIDENT

DISTRICT:

COUNTY SANITATION DISTRICT NO. 2
OF LOS ANGELES COUNTY

Date: _____, 2024

By: _____
Chairperson

ATTEST:

Secretary to the Board

APPROVED AS TO FORM:
LEWIS BRISBOIS BISGAARD & SMITH, LLP

District Counsel

EXHIBIT "A"
REVISED DRAWINGS
RELATED TO ALLEGED DEFECTIVE WORK

APPROVED BY: [Signature] DATE: [Date]

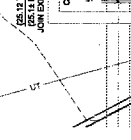
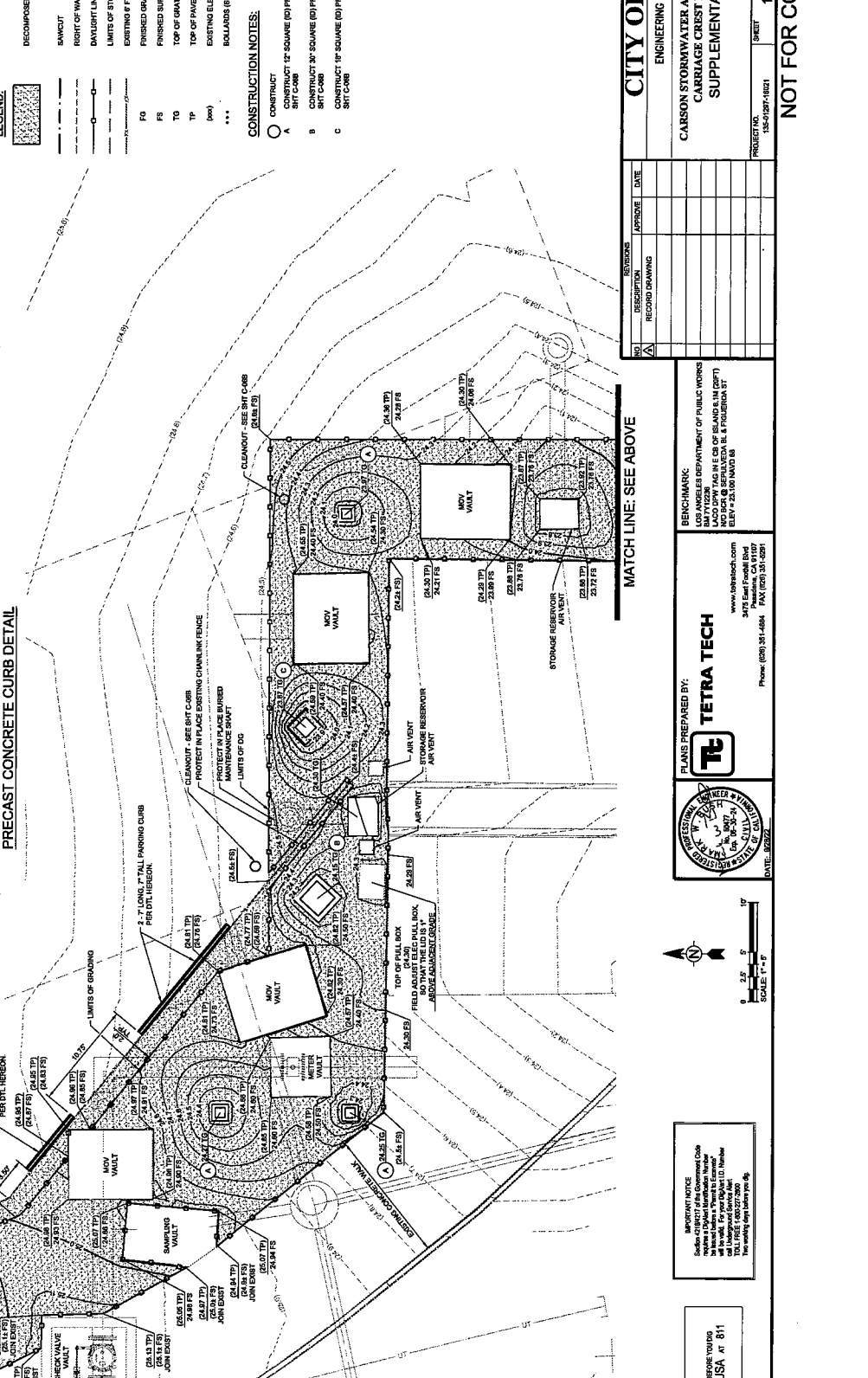
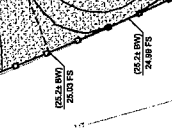
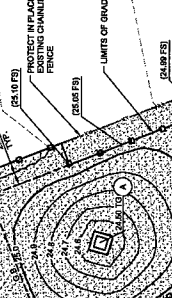
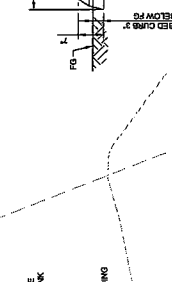
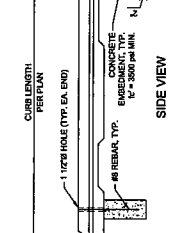
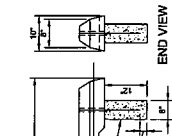
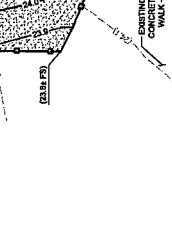
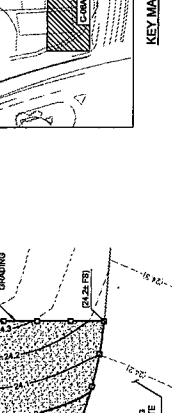
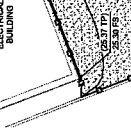
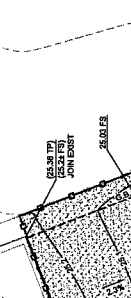
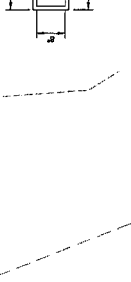
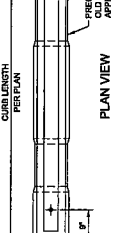
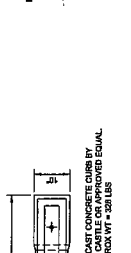
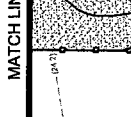
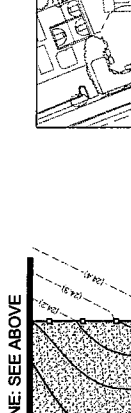
PROJECT NO. 1515-01P-0001 SHEET 12 OF 83

CITY OF CARSON
ENGINEERING SERVICES DIVISION
CARSON WATER AND RUNOFF CAPTURE PROJECT
CARRIAGE CREST PARK - PROJECT NO. 1515
SUPPLEMENTAL GRADING PLAN

CONTRACTOR: [Name] DATE: [Date]

PROJECT NO. 1515-01P-0001 SHEET 12 OF 83

NOT FOR CONSTRUCTION



IMPORTANT NOTICE: [Text regarding the drawing's status and intended use.]

PREPARED BY: [Company Name]

DATE: [Date]

SCALE: 1" = 10'

BENCHMARK: [Location and coordinates]

www.tetratex.com

Phone: (626) 351-4264

TECHNICAL STAMP: [Professional Engineer Seal]

DATE: 05/22/23

SCALE: 1" = 10'

TECHNICAL STAMP: [Professional Engineer Seal]

DATE: 05/22/23

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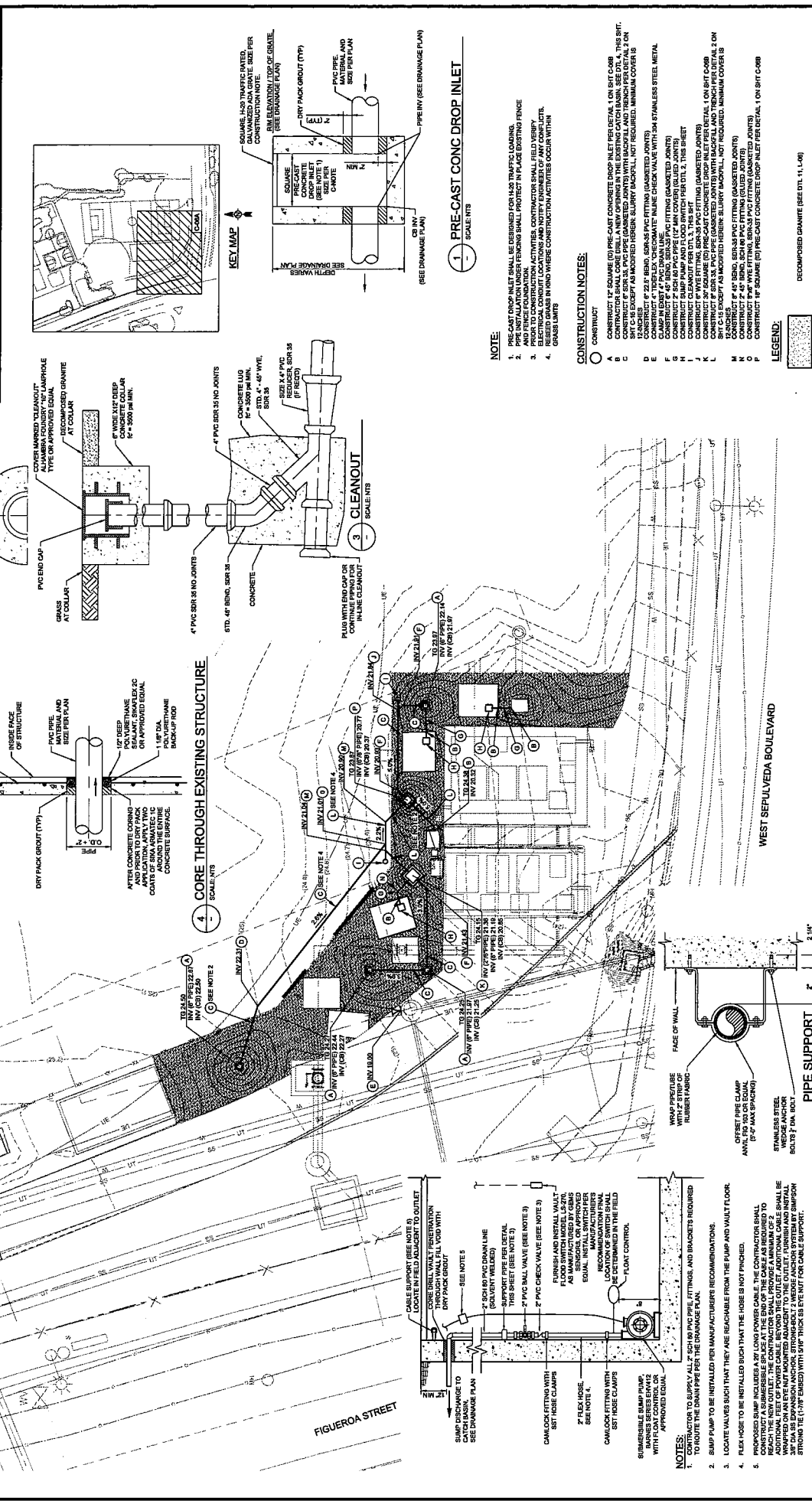
DATE: 05/22/23

SCALE: 1" = 10'

TECHNICAL STAMP: [Professional Engineer Seal]

DATE: 05/22/23

SCALE: 1" = 10'



NOTES:

- PRE-CAST DROP INLET SHALL BE DESIGNED FOR 2500 LB TRAFFIC LOADING.
- PIPE INSTALLATION UNDER EXISTING SHALL BE PROTECTED IN PLACE EXISTING FENCE PRIOR TO CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL FIELD VERIFY ELECTRICAL CONDUIT LOCATIONS AND NOTIFY ENGINEERS OF ANY CONFLICTS.
- GRABS LIMITS

CONSTRUCTION NOTES:

- CONTRACTOR TO SUPPLY ALL 2" SCH 90 PVC PIPE, FITTINGS, AND BRACKETS REQUIRED TO ROUTE THE DRAIN PIPE PER THE DRAINAGE PLAN.
- SUMP PUMP TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- LOCATE VALVES SUCH THAT THEY ARE REACHABLE FROM THE PUMP AND VAULT FLOOR.
- PIPE HOSE TO BE INSTALLED SUCH THAT THE HOSE IS NOT PINCHED.
- PROPOSED SUMP INCLUDES A 90° LONG POWERED CABLE. THE CONTRACTOR SHALL CONSTRUCT A SUMP/SLEEVE SPACE AT THE END OF THE CABLE AS REQUIRED TO ADDITIONAL FEET OF 2" SCH 90 PVC PIPE BEYOND THE COLLECTOR. CABLE SHALL BE WRAPPED ON AN EYE BOLT MOUNTED ADJACENT TO THE OUTLET. BURISH AND INSTALL STRONG TIE (1/2" END) WITH 5/16" THICK SS EYE WIT FOR CABLE SUPPORT.
- LOCATE SUMP PUMP OUTSIDE OF THE OSHA SAFETY HALD OF THE VAULT LADDER. VERIFY INSTALLATION LOCATION WITH FIELD ENGINEER.

LEGEND:

	DECOMPOSED GRANITE (SEE DTL 1, L149)
	RECORD DRAWING
	REVISION
	DATE
	APPROVE
	DATE

2 SUMP PUMP AND DRAIN PIPING
SCALE: NTS
2" SCH 90 PVC PIPE WITH 2" STEP UP RUBBER FABRIC
OFFSET PIPE CLAMP ANCHOR (2" MAX SPACING)
STAINLESS STEEL WEDGE ANCHOR BOLTS (2" DIA. 500')

IMPORTANT NOTICE:
Sealed (1/2) of the Government Code by the Board of Supervisors of the County of Los Angeles. This is a "Public Work" under the Government Code. The Public Work shall be subject to the provisions of the Government Code. For more information, please contact the County of Los Angeles, Department of Public Works, 475 West 12th Street, Los Angeles, CA 90017. Phone: (213) 351-4664. Fax: (213) 391-5281.

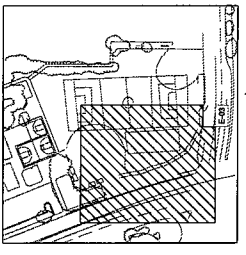
PLANS PREPARED BY:

www.tetrattech.com
3475 East Foothill Blvd
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 391-5281

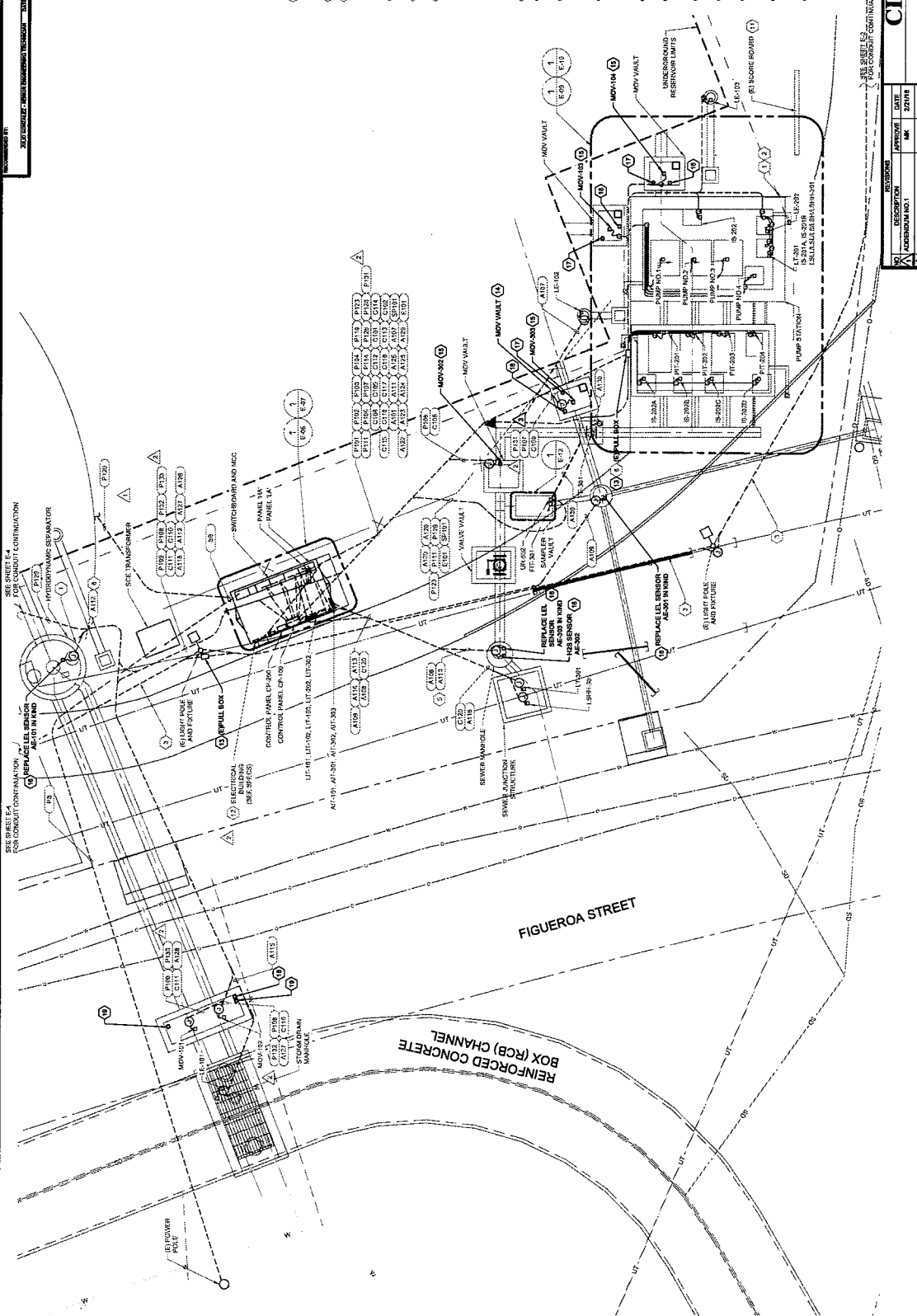
BENCHMARK:
LOS ANGELES DEPARTMENT OF PUBLIC WORKS
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CITY OF CARSON
ENGINEERING SERVICES DIVISION
CARSON STORMWATER AND RUNOFF CAPTURE PROJECT
CARRIAGE CREST PARK - PROJECT NO. 1515
DRAINAGE PLAN

PROJECT NO. 1515-0109-10001 SHEET 12 OF 83 PLAN NO. C-06B
NOT FOR CONSTRUCTION



- NOTES:**
- CONTRACTOR SHALL INSTALL CONDUIT SEAL OFF FITTINGS ON ALL CONDUITS ENTERING HYDRODYNAMIC RESISTORS, WELLS AND UNDERGROUND STRUCTURES.
 - WELL HEADS SHALL BE BATED GATES (BY).
 - CONDUITS AND WIRING SHALL BE PROTECTED BY POWER EXTINGUISHING PIPES TO POWER EXTINGUISHING RELAYS.
 - EXISTING CONDUIT TO BE PROTECTED IN PLACE BY CONTRACTOR.
 - WIRING FROM GAS TRANSMITTERS TO GAS SENSORS SHALL NOT EXCEED 100 FEET.
 - CONDUIT SHALL BE PROTECTED BY CONTROL AND INSTRUMENTATION CONDUITS.
 - CONDUIT RINGS SHALL NOT EXCEED 8" BORO'S BETWEEN PULL POINTS. CONTRACTOR SHALL INSTALL HANDHOLES IF REQUIRED TO MEET THIS REQUIREMENT.
 - WALL BOARD AND LIGHTS CONDUITS AFFECTED BY THIS WORK SHALL BE PROTECTED BY CONTRACTOR AS NEEDED.
 - NOT USED.
 - CONTRACTOR SHALL INTEREST EXISTING CONDUIT AND CONNECT IT WITH NEW CONDUIT.
 - PAVEMENT SCREEDING SHALL BE INSTALLED IN SAME LOCATION AS EXISTING SCREEDING. CONTRACTOR SHALL INSTALL SCREED BOARD UNDER EXISTING SCREEDING. CONTRACTOR SHALL REMOVE AND DISPOSE EXISTING MOTOR OPERATED ACTUATOR AND INSTALL NEW ACTUATOR ON EXISTING VALVE PROTECTION FROM WATER SEEPING INTO THE VAULT. L.O.
 - INSTALL 1/2" DRIP SHIELD ON THE NEW SENSOR FOR PROTECTION FROM WATER SEEPING INTO THE VAULT. L.O.
 - INSTALL 1/2" DRIP SHIELD ON THE NEW SENSOR FOR PROTECTION FROM WATER SEEPING INTO THE VAULT. L.O.
 - INSTALL NEW OUTLET AT THE TOP OF THE VAULT TO POWER TWO WIRING FROM THE LIGHT TO PLE IN CP-100 USING COPPING (TYPICAL OF 3). INSTALL 2" W/2 AND 2" W/2 (TYPICAL OF 3). INSTALL 2" W/2 AND 2" W/2 (TYPICAL OF 3). CONTRACTOR SHALL REMOVE THE VALVE AND DISPOSE OF IT. CONTRACTOR SHALL REMOVE THE CONDUITS ON PANEL 1A. CONTRACTOR SHALL SEE THE CONDUIT SCHEDULE FOR MORE DETAILS.



CITY OF CARSON
 ENGINEERING SERVICES DIVISION

CARBON STORAGE WATER AND RUNOFF CAPTURE PROJECT
 CARRIAGE CREST PARK-PROJECT NO. 1515
 ELECTRICAL SITE PLAN 1

PROJECT NO. 158-0406-1001
 SHEET 59 OF 85
 PLANTING E-03A

REVISION	DATE	DESCRIPTION
1	04/20/18	ISSUED FOR PERMITS
2	04/20/18	ISSUED FOR PERMITS

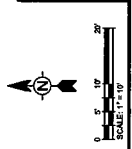
BENCHMARK:
 LOS ANGELES DEPARTMENT OF PUBLIC WORKS
 UICD BENTLEY T-111 (2017)
 UICD BENTLEY T-111 (2017)
 BENTLEY T-111 (2017)
 BENTLEY T-111 (2017)

PLANS PREPARED BY:

TETRA TECH
 www.tetrattech.com
 3475 East Foothill Blvd
 Pasadena, CA 91107
 Phone: (818) 351-4661 FAX: (818) 351-4591

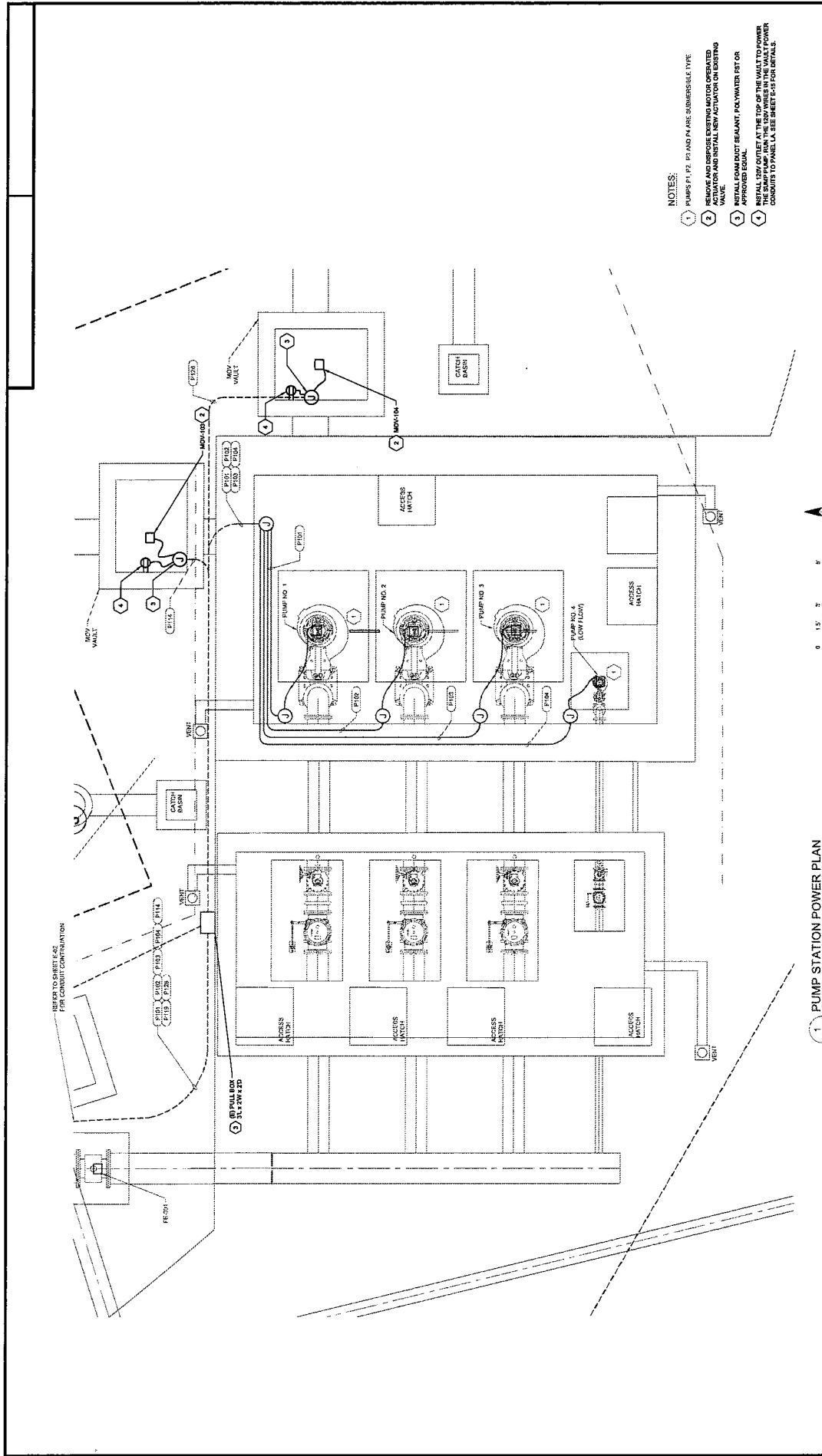
STAMP

 DATE: 03/20/18



DISCLAIMER NOTICE
 THE CITY OF CARSON DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION CONTAINED HEREIN. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE INFORMATION CONTAINED HEREIN. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

TWO DAYS BEFORE TRADING
 DATE: USA AT 811



- NOTES:**
- 1 PUMPS P1, P2, P3 AND P4 ARE SUBMERSIBLE TYPE
 - 2 REMOVE AND DISPOSE EXISTING MOTOR OPERATED VALVE AND INSTALL NEW MOTOR OPERATED VALVE.
 - 3 INSTALL FOM MACT BEAMANT. POLY WATER EST OR APPROVED EQUAL.
 - 4 INSTALL 120V OUTLET AT THE TOP OF THE VAULT TO POWER THE PUMPS. THE PUMPS WILL BE POWERED THROUGH CONDUITS TO PANEL A. SEE SHEET E-11 FOR DETAILS.

CITY OF CARSON
ENGINEERING SERVICES DIVISION

**CARSON STORMWATER AND RUNOFF CAPTURE PROJECT
CARRIAGE CREST PARK-PROJECT NO. 1515
PUMP STATION POWER PLAN**

PROJECT NO. 1550-000-1001 SHEET 65 OF 85 PLAN NO. E-09A

NO.	DESCRIPTION	DATE

BENCHMARK:
LOS ANGELES DEPARTMENT OF PUBLIC WORKS
LUCKY SPRAY TAG IN E.C. OF ISLAND A.W. (DPT)
11111 W. 111TH ST. (DPT)
MAY 17, 2010 11:40:00 AM

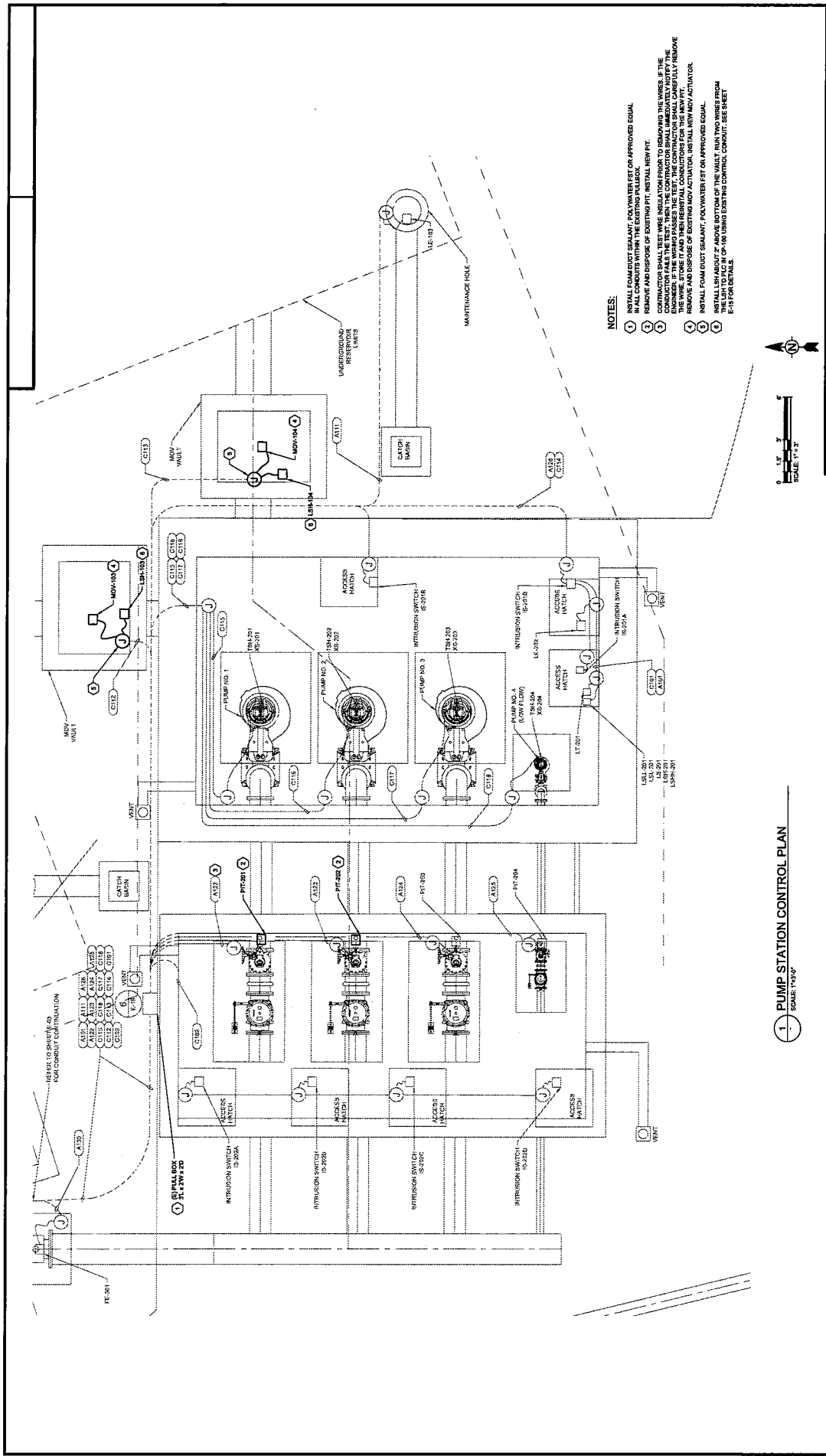
TETRA TECH
PLANS PREPARED BY:
www.tetra-tech.com
3475 East Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-0681

STAMP
TETRA TECH
REGISTERED PROFESSIONAL ENGINEER
CITY OF CARSON
DATE: 02/22

PUMP STATION POWER PLAN
SCALE: 1/8" = 1'-0"

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Under Authority of the Government of California
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TETRA TECH, INC.
11111 W. 111TH ST.
PASADENA, CA 91107
PHONE: (626) 351-4664

TWO DAYS BEFORE TYPING
CALL USA # 811



- NOTES:**
- INSTALL CONDUIT ESALANT FOR WIRING SEE ON APPROVED EQUAL IN ALL CONDUITS WITHIN THE EXISTING PULLBOX.
 - REMOVE AND DISPOSE OF EXISTING PPT. INSTALL NEW PPT.
 - CONTRACTOR SHALL TEST WIRE INSULATION PRIOR TO REMOVING THE WIRES. IF THE INSULATION TEST FAILS, THE CONTRACTOR SHALL REMOVE THE WIRES, STORE THEM IN A DRY PLACE, AND THEN REINSTALL CONDUCTORS FOR THE NEW PPT. THE CONTRACTOR SHALL CAREFULLY REMOVE THE WIRE STORED AND THEN REINSTALL CONDUCTORS FOR THE NEW PPT.
 - INSTALL CONDUIT ESALANT POLYURETHANE OR APPROVED EQUAL.
 - THE CONTRACTOR SHALL TEST THE WIRING SYSTEM PRIOR TO TESTING THE ACTUATOR. THE LIGHT TO TAG IN TAG USING EXISTING CONTROL CONDUIT. SEE SHEET E-115 FOR DETAILS.



1. PUMP STATION CONTROL PLAN
SCALE: 1/8" = 1'-0"

CITY OF CARSON ENGINEERING SERVICES DIVISION		NO.	DESCRIPTION	APPROVE	DATE
CARSON STORMWATER AND RUNOFF CAPTURE PROJECT CARRIAGE CREST PARK-PROJECT NO. 1515 PUMP STATION CONTROL PLAN					
PROJECT NO.	155-01281-10221	SHEET	66 OF 85	PLAT NO.	E-10A

BENCHMARK
 LOS ANGELES DEPARTMENT OF PUBLIC WORKS
 LUNO DRIVE TAG IN TAG OF ISLAND & IN (DPT)
 11000 LUNO DRIVE TAG IN TAG OF ISLAND & IN (DPT)
 BLDG # 310 BLDG 310

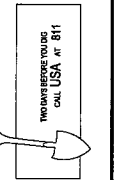
PLANS PREPARED BY:

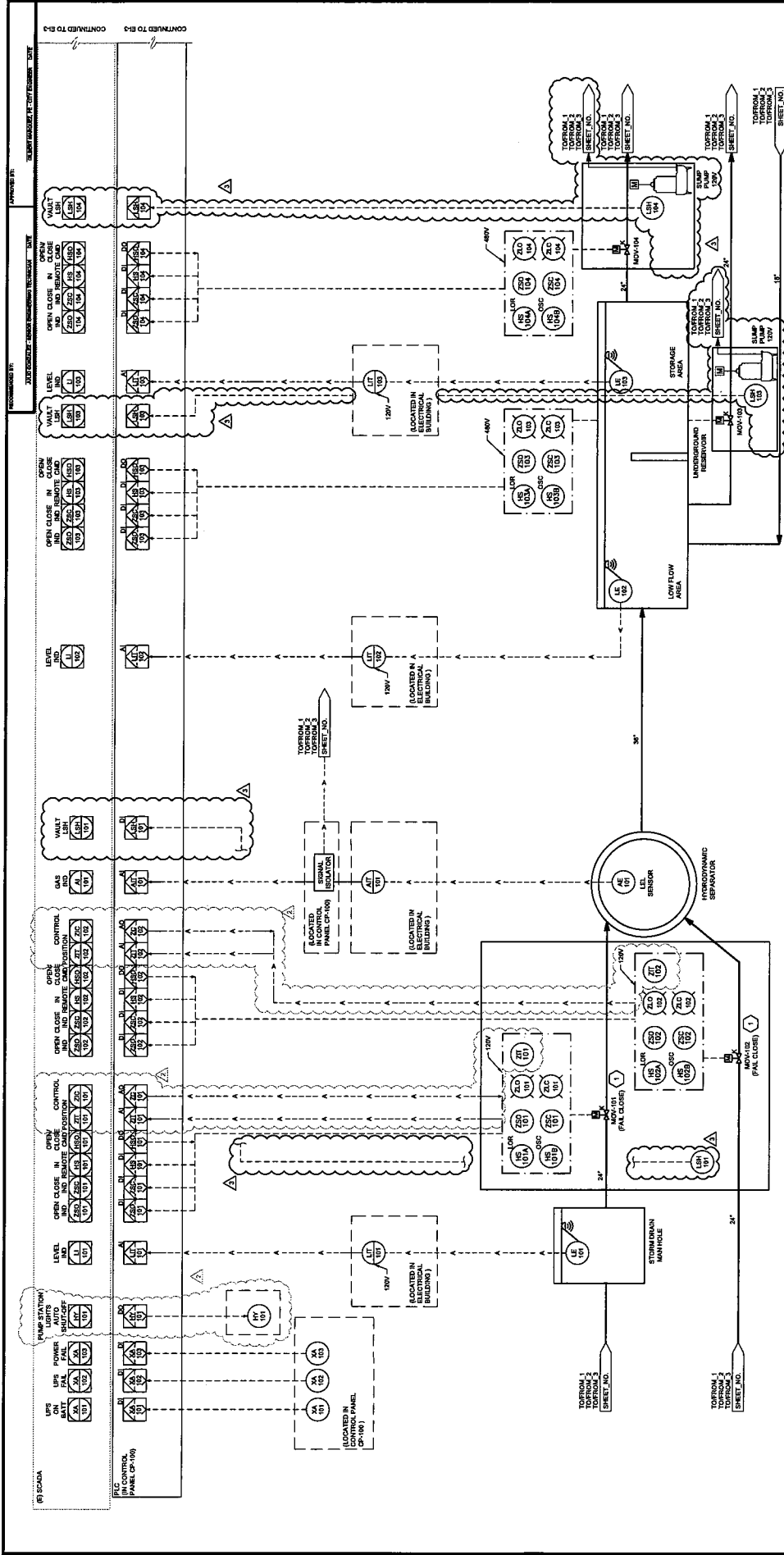
TETRA TECH
 www.tetra-tech.com
 3475 East Coast Blvd
 Pasadena, CA 91107
 Phone: (626) 351-4444 Fax: (626) 351-4221



STAMP
 ROBERT J. SMITH
 PROFESSIONAL ENGINEER
 LICENSE NO. 10097
 STATE OF CALIFORNIA
 DATE: 02/20/22

DISCLAIMER NOTICE
 Under Authority of the Government Code
 by Robert J. Smith & Company
 11000 LUNO DRIVE TAG IN TAG OF ISLAND & IN (DPT)
 BLDG # 310 BLDG 310
 TEL: (626) 351-4444 FAX: (626) 351-4221
 WWW.TETRA-TECH.COM





NOTES:
 1. VALVE ACTUATOR SHALL MOVE TO THE CLOSED POSITION IF POWER FAILS OR IF ACTUATOR IS SHUT-OFF.

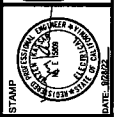
NO.	REVISION	DATE	BY
1	DESIGN	02/14/14	MM
2	AS BUILT	07/17/23	MM
3	ELECTRICAL UPDATE		

CITY OF CARSON
 ENGINEERING SERVICES DIVISION
 CARSON STORMWATER AND RUNOFF CAPTURE PROJECT
 CARRIAGE CREST PARK-PROJECT NO. 1515
 P&ID

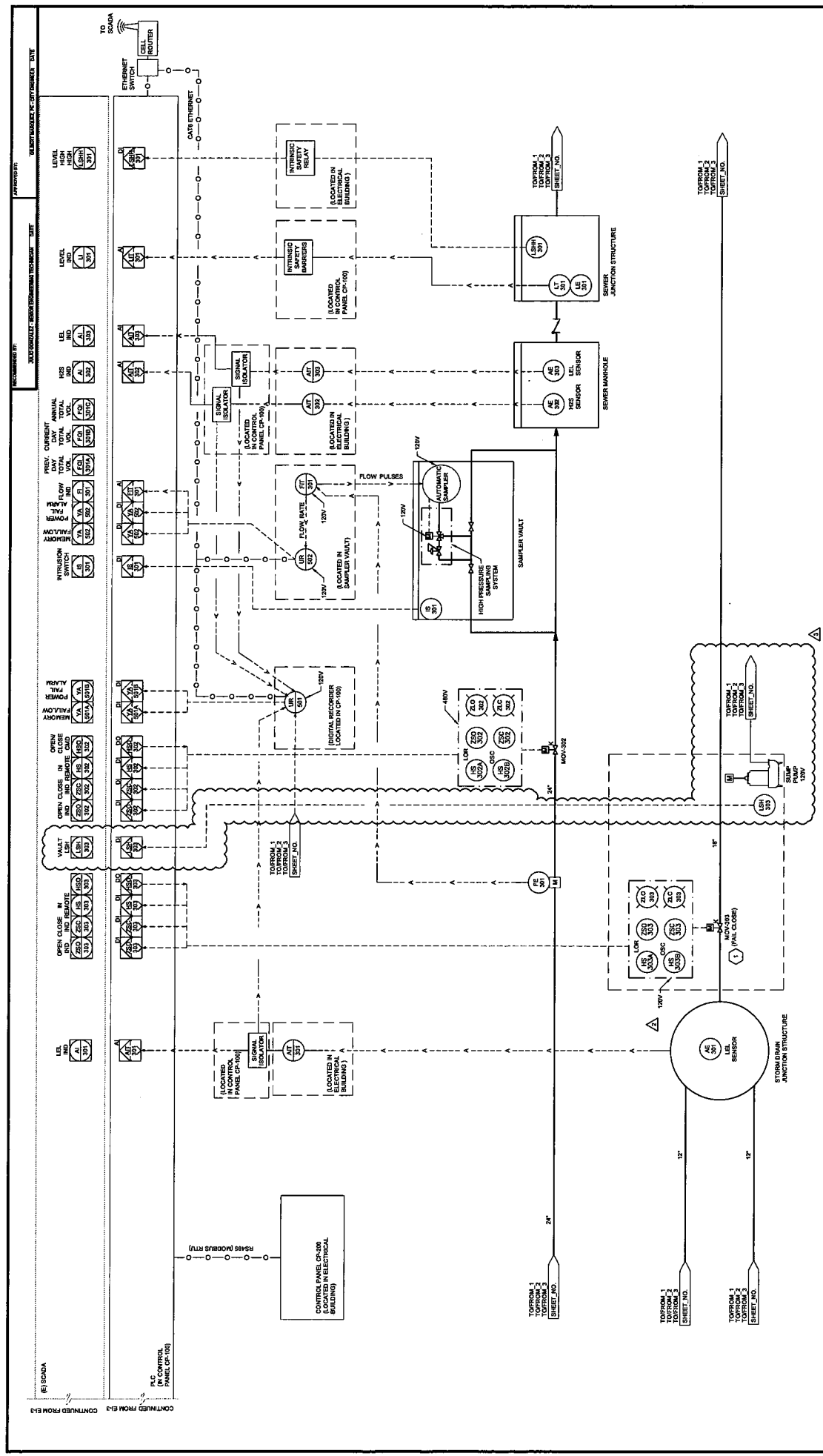
PROJECT NO. 1509-0001-0001
 SHEET 79 of 85
 PLAN NO. EI-02

BENCHMARK:
 LOS ANGELES DEPARTMENT OF PUBLIC WORKS
 LAGO DRIVE 740 N.E. COR. OF LAGO & I-10 (DPT)
 100' BENCH MARK
 8347' 72.00' NAD83
 8347' 72.00' NAD83

PLANS PREPARED BY:
TETRA TECH
 www.tetra-tech.com
 3472 East Pacific Blvd
 Pasadena, CA 91107
 Phone: (626) 351-4664 FAX: (626) 351-4397



DATE: 02/14/14

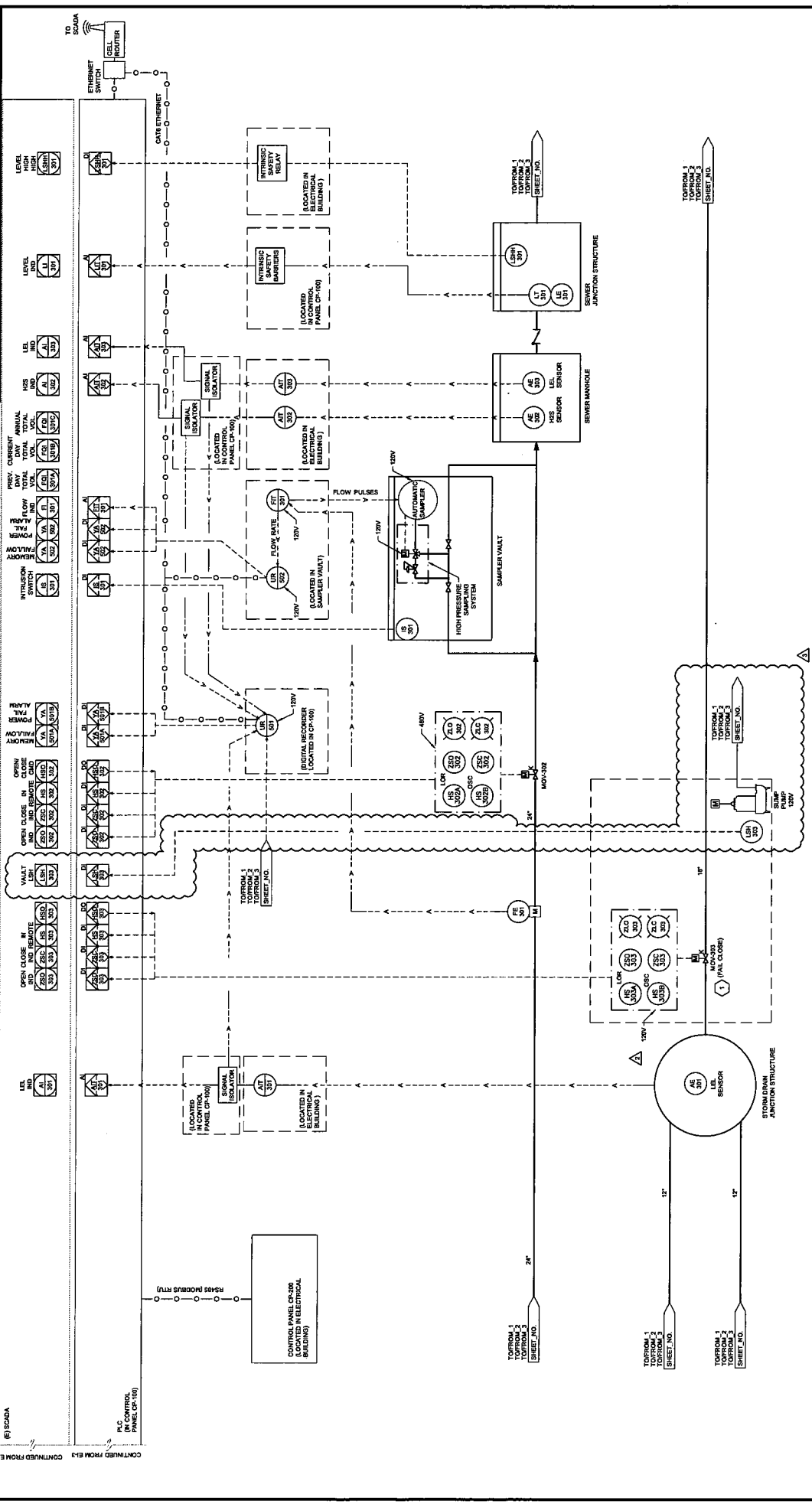


APPROVED BY: [Signature] PROJECT NO. 153-0129-10001

DATE: 01/17/23

PROJECT NO. 153-0129-10001

DATE: 01/17/23



CITY OF CARSON
ENGINEERING SERVICES DIVISION

CARSON STORMWATER AND RUNOFF CAPTURE PROJECT
CARRIAGE CREST PARK-PROJECT NO. 1515
P&ID

BENCHMARK
LOS ANGELES DEPARTMENT OF PUBLIC WORKS
1400 DRY TAG BLVD. CH. OF ISLAND 5.1M (DFT)
1100 W. 108TH ST. CH. OF ISLAND 5.1M (DFT)
1200 W. 108TH ST. CH. OF ISLAND 5.1M (DFT)

PLANS PREPARED BY:
TETRA TECH
www.tetra-tech.com
3475 East Colton Blvd
Pasadena, CA 91107
Phone: (626) 351-4264 Fax: (626) 351-0221

STAMP
Professional Engineer Seal for [Name], State of California, License No. [Number]

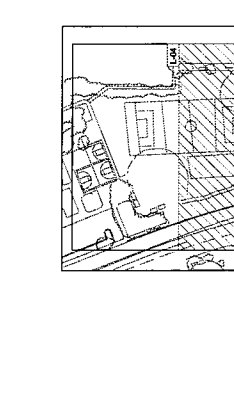
REVISIONS

NO.	DESCRIPTION	DATE
1	ISSUE FOR CONSTRUCTION	01/17/23
2	ELECTRICAL UPDATE	01/17/23

NOTES:

1. VALVE ACTUATOR SHALL MOVE TO THE CLOSED POSITION IF POWER FAILS OR IF ACTUATOR IS SINGLE-LOTT.

DATE: 01/17/23



PLANTING NOTES:

1. EXAMINE ALL EXISTING PLANTS AND LOCATIONS AND ASSUME THE PLANTING LOCATIONS AND MATERIALS ARE CORRECT UNLESS NOTED OTHERWISE.
2. INSPECT ALL EXISTING CONDITIONS ON SITE AND LOCATE ALL EXISTING UTILITIES BEFORE CONSTRUCTION BEGINS. ALL TREE REMOVALS SHALL BE DONE IN ACCORDANCE WITH LOCAL ORDINANCES AND ALL REMOVALS SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
3. CONDUCT SOIL TESTS AT ALL PLANTING LOCATIONS AND REPORT THE RESULTS TO THE CLIENT.
4. CONDUCT SOIL TESTS TO DETERMINE SOIL TYPE AND SOIL MOISTURE CONTENT.
5. NOTIFY THE CLIENT OF ANY PLANTING SITES THAT ARE UNUSABLE FOR ANY REASON AND PROVIDE AN ALTERNATE SITES LIST.
6. MATERIAL IN SACKS AND PROTECT FROM SUN, FROST OR FIRE WATERING PRIOR TO PLANTING AND THROUGH THE ESTABLISHMENT PERIOD.
7. PLANTING SITES SHOULD BE WATERED DAILY FOR THE FIRST 2 WEEKS AND THEN WEEKLY THROUGHOUT THE ESTABLISHMENT PERIOD.
8. PLANTING SITES SHOULD BE WATERED DAILY FOR THE FIRST 2 WEEKS AND THEN WEEKLY THROUGHOUT THE ESTABLISHMENT PERIOD.
9. THE CLIENT SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES AND SHALL BE RESPONSIBLE FOR ALL NECESSARY PERMITS.

PLANTING LEGEND:

TERES

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	QTY	REMARKS
	AFRODENDRON GRACILE	FERN PINN	24" BOX	5	PER PLAN
	PITTOSPORUM TOBIRA	CORSE PRICACHIO	24" BOX	5	PER PLAN
	PLATANUS ACERIFOLIA	LONDON PLANE TREE	24" BOX	1	PER PLAN
	THUJA	ARBORVITAE	15 GAL	2	4 O.C.

SHRUBS

PERENNIALS

GRASSES

MULCH

REPLACE EXISTING MULCH WITH NEW MULCH

IONICUS ROCK MATERIAL

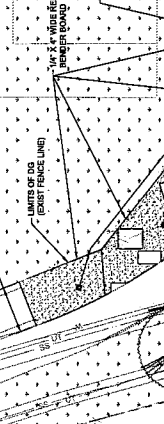
SYMBOL	NAME
	IONICUS ROCK MATERIAL

DECOMPOSED GRANITE

SYMBOL	NAME
	DECOMPOSED GRANITE

COLOR GOLDEN TAN

SYMBOL	NAME
	COLOR GOLDEN TAN



PLANS PREPARED BY:

TETRA TECH

www.tetratech.com
 3475 East Foothill Blvd.
 Pasadena, CA 91107
 Phone: (626) 381-4664 Fax: (626) 381-0581

DATE: 02/25/25

IMPORTANT NOTICE

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TETRA TECH
 3475 East Foothill Blvd.
 Pasadena, CA 91107
 Phone: (626) 381-4664 Fax: (626) 381-0581

03/25/2025 10:10:11 AM

IMPORTANT NOTICE

Before you use any product, please read the label carefully. It contains important safety information. If you need more information, please call our toll-free number.

TOLL FREE: (800) 737-2800

www.tetratech.com

PLANTING PLAN

CARRIAGE CREST PARK - PROJECT NO. 1515

CITY OF CARSON
 ENGINEERING SERVICES DIVISION

PROJECT NO. 1507009-10001

SHEET 30 of 83

PLAN NO. L-01A

BENCHMARK

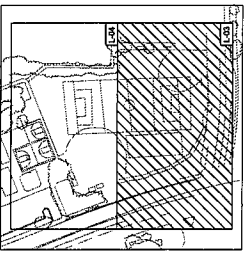
LOS ANGELES DEPARTMENT OF PUBLIC WORKS
 LADO DWY TAG IN E COR OF ISLAND 8 1/2 IM (SFT)
 4000 S. GATEWAY BLVD. STE. 101
 LOS ANGELES, CA 90010
 (213) 473-8181

THIS DATE BEFORE YOU DIG CALL USA AT 811

03/25/2025 10:10:11 AM

TYLER PARRA

APPROVED BY: _____ DATE: _____
SUBMITTED TO: _____ DATE: _____

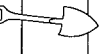
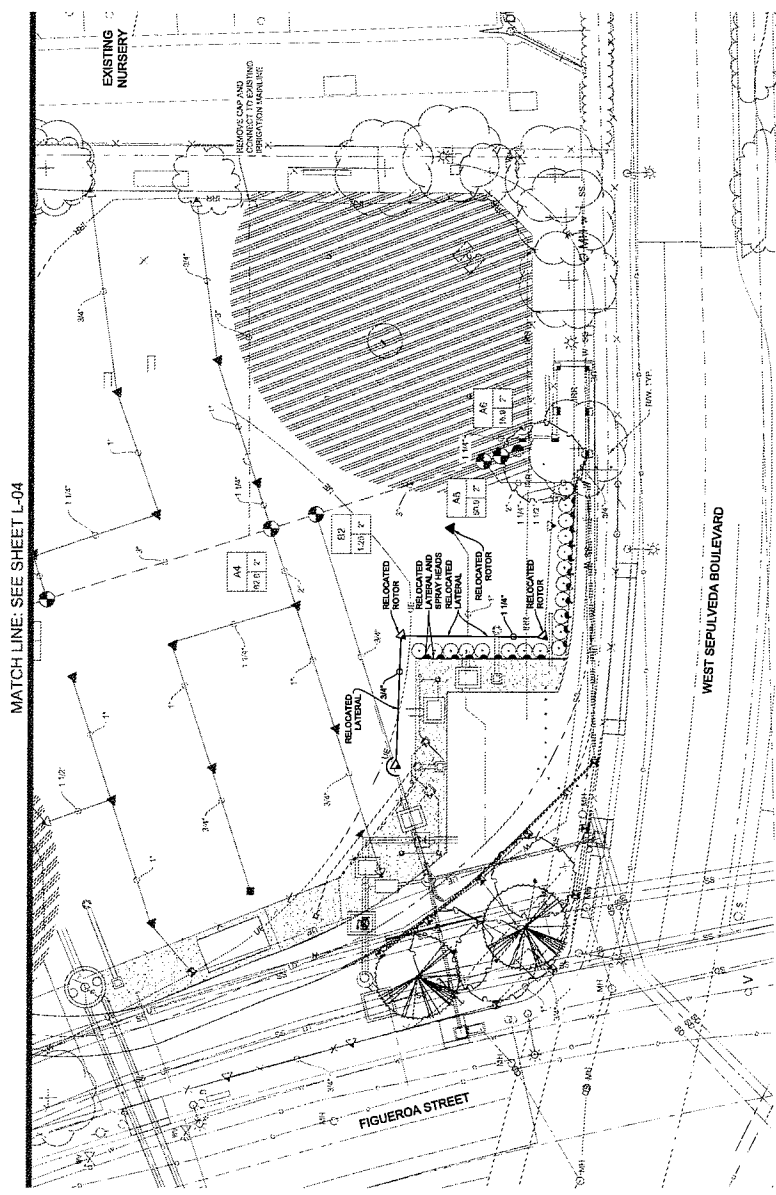


KEY MAP
N T S

NOTES:
1. SEE SHEET L FOR IRRIGATION NOTES AND LEGEND.
2. ALL DIMENSIONS ARE TO SPRAY PARRY FROM STRUCTURES.

LEGEND:

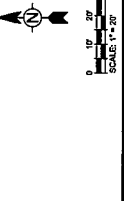
- CAP
- PROPOSED POTABLE LINE
- EXISTING IRRIGATION MAINLINE
- EXISTING POTABLE LINE
- RIGHT OF WAY (RW) / PROPERTY LINE
- PROPOSED BASEBALL INFELD PER DETAIL 2, SHEET C-20



PLANS PREPARED BY:
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Pasadena, CA 91107
Phone: (626) 351-4664
Fax: (626) 351-6281



IMPORTANT NOTICE
Sealed (10/2017) if the Government Code
by the State Engineer. Plans to be sealed
if the State Engineer is not sealed
if the State Engineer is not sealed
if the State Engineer is not sealed
if the State Engineer is not sealed
if the State Engineer is not sealed



BENCHMARK:
LOS ANGELES DEPARTMENT OF PUBLIC WORKS
LACD BENCH MARK IN E. OF ISLAND S. IN (DPT)
BENCH MARK IN E. OF FIGUEROA ST
BENCH MARK IN E. OF FIGUEROA ST

NO.	DESCRIPTION	APPROVE	DATE

CITY OF CARSON
ENGINEERING SERVICES DIVISION
CARSON STORMWATER AND RUNOFF CAPTURE PROJECT
CARRIAGE CREST PARK - PROJECT NO. 1515
IRRIGATION PLAN I

PROJECT NO. 1515-01097-0001
SHEET 32 of 83
PLAN NO. L-03A