SERVICES AGREEMENT

KANA SUBSURFACE ENGINEERING

Rutland Sewer Improvements Utility Potholing Request (Bid No. 2437)

On this _____ day of _____, 2025, the CITY OF RIVERSIDE, a California charter city and municipal corporation ("City"), and KANA SUBSURFACE ENGINEERING, a California corporation ("Contractor"), mutually agree as follows:

1. **Scope of Services**. Contractor shall furnish all labor, materials and equipment for and perform the work of Rutland Sewer Improvements Utility Potholing Request (Bid No. 2437) ("Services"). Contractor shall perform the Services in accordance with the provisions and requirements of the Scope of Services attached hereto as Exhibit "A" and incorporated herein by reference.

2. **Term**. This Agreement shall be in effect from the date first written above, and shall remain in effect for one (1) year, unless otherwise terminated pursuant to the provisions herein.

3. **Compensation**. City shall pay Contractor for the performance of the Services during the initial term of this Agreement a Contract Price not to Ninety-Seven Thousand Eight Dollars ($97,008.00), unless an increase is agreed to by the parties. City shall pay Contractor for Services performed to City's satisfaction on a monthly basis in accordance with the provisions of the Compensation Schedule attached hereto as Exhibit "B" and incorporated herein by this reference. If the term of the Agreement is extended, Contractor's compensation for the extended term shall be mutually agreed upon in writing by the parties.

4. **General Compliance with Laws**. Contractor shall keep fully informed of federal, state and local laws and ordinances and regulations which in any manner affect those employed by Contractor, or in any way affect the performance of Services by Contractor pursuant to this Agreement. Contractor shall at all times observe and comply with all such laws, ordinances and regulations, and shall be solely responsible for any failure to comply with all applicable laws, ordinances and regulations.

5. **Business Tax Certificate**. As a condition of this Agreement, Contractor shall secure a business tax certificate to operate in the City of Riverside pursuant to Chapter 5.04 of the Riverside Municipal Code, and shall also secure any other licenses or permits which may be required.

6. **Business Tax and Penalties**. Contractor acknowledges and agrees that with respect to any business tax or penalties thereon, utility charges, invoiced fee or other debt which is owed, or which becomes owed, by Contractor to City, City reserves the right to withhold and offset said amounts from any payments, refunds or reimbursements owed by City to Contractor under the Agreement. Notice of such withholding and offset shall promptly be given to Contractor by City in writing. In the event of a dispute as to the amount owed or whether such amount is owed to City,

City will hold such disputed amount until either the appropriate appeal process has been completed or until the dispute has been resolved.

7. **Personnel**. Contractor shall furnish all personnel necessary to perform the Services and shall be responsible for their performance and compensation. The key personnel are listed in Exhibit "C," attached hereto and incorporated herein by reference. Contractor shall furnish qualified personnel to perform the Services.

8. **Assignment and Subcontracting**. Neither party shall assign any right, interest, or obligation in or under this Agreement to any other entity without prior written consent of the other party. In any event, no assignment shall be made unless the assignee expressly assumes the obligations of assignor under this Agreement, in a writing satisfactory to the parties. Contractor acknowledges that any assignment may, at the City's sole discretion, require City Manager and/or City Council approval. Contractor shall not subcontract any portion of the work required by this Agreement without prior written approval by the responsible City Contract Administrator. Subcontracts, if any, shall contain a provision making them subject to all provisions stipulated in this Agreement, including without limitation, the insurance obligations set forth in Section 11. The Contractor acknowledges and agrees that the City is an intended beneficiary of any work performed by any subcontractor for purposes of establishing a duty of care between any subcontractor and the City.

9. **Independent Contractor**. In the performance of this Agreement, Contractor, and Contractor's employees, subcontractors and agents, shall act in an independent capacity as independent contractors, and not as officers or employees of the City of Riverside. Contractor acknowledges and agrees that the City has no obligation to pay or withhold state or federal taxes or to provide workers' compensation or unemployment insurance to Contractor, or to Contractor's employees, subcontractors and agents. Contractor, as an independent contractor, shall be responsible for any and all taxes that apply to Contractor as an employer.

10. **Indemnification**. Except as to the sole negligence or willful misconduct of the City, Contractor shall indemnify and hold harmless the City, and the City's employees, officers, managers, agents and council members from any liability, claim, damage or action whatsoever, to the extent it is based or asserted upon any wrongful act or omission of Contractor, its officers, employees, subcontractors, agents or representatives, or arises out of or in any way relates to this agreement including but not limited to property damage, bodily injury, or death. Contractor shall defend, at its sole cost and expense, including but not limited to attorney fees, cost of investigation, defense and settlement or awards, the City and the City's employees, officers, managers, agents and council members in any such action or claim. With respect to any action or claim subject to indemnification herein by Contractor, Contractor shall, at its sole cost, have the right to use counsel of its own choice and shall have the right to adjust, settle, or compromise any such action or claim without the prior consent of City; provided, however, that any such adjustment, settlement or compromise in no manner whatsoever limits or circumscribes Contractor's indemnification of City. Contractor's obligations hereunder shall be satisfied when Contractor has provided to City the appropriate form of dismissal (or similar document) relieving the City from any liability for the action or claim involved. The specified insurance limits required in this Agreement shall in no way limit or circumscribe Contractor's obligations to indemnify and hold harmless the City.

11. **Insurance.**

11.1 General Provisions. Prior to the City's execution of this Agreement, Contractor shall provide satisfactory evidence of, and shall thereafter maintain during the term of this Agreement, such insurance policies and coverages in the types, limits, forms and ratings required herein. The rating and required insurance policies and coverages may be modified in writing by the City's Risk Manager or City Attorney, or a designee, unless such modification is prohibited by law.

11.1.1 Limitations. These minimum amounts of coverage shall not constitute any limitation or cap on Contractor's indemnification obligations under Section 10 hereof.

11.1.2 Ratings. Any insurance policy or coverage provided by Contractor or subcontractors as required by this Agreement shall be deemed inadequate and a material breach of this Agreement, unless such policy or coverage is issued by insurance companies authorized to transact insurance business in the State of California with a policy holder's rating of A or higher and a Financial Class of VII or higher.

11.1.3 Cancellation. The policies shall not be canceled unless thirty (30) days' prior written notification of intended cancellation has been given to City by certified or registered mail, postage prepaid.

11.1.4 Adequacy. The City, its officers, employees and agents make no representation that the types or limits of insurance specified to be carried by Contractor pursuant to this Agreement are adequate to protect Contractor. If Contractor believes that any required insurance coverage is inadequate, Contractor will obtain such additional insurance coverage as Contractor deems adequate, at Contractor's sole expense.

11.2 Workers' Compensation Insurance. By executing this Agreement, Contractor certifies that Contractor is aware of and will comply with Section 3700 of the Labor Code of the State of California requiring every employer to be insured against liability for workers' compensation, or to undertake self-insurance before commencing any of the work. Contractor shall carry the insurance or provide for self-insurance required by California law to protect said Contractor from claims under the Workers' Compensation Act. Prior to City's execution of this Agreement, Contractor shall file with City either 1) a certificate of insurance showing that such insurance is in effect, or that Contractor is self-insured for such coverage, or 2) a certified statement that Contractor has no employees, and acknowledging that if Contractor does employ any person, the necessary certificate of insurance will immediately be filed with City. Any certificate filed with City shall provide that City will be given ten (10) days' prior written notice before modification or cancellation thereof.

11.3 Commercial General Liability and Automobile Insurance. Prior to City's execution of this Agreement, Contractor shall obtain, and shall thereafter maintain during the term of this Agreement, commercial general liability insurance and automobile liability insurance as required to insure Contractor against damages for personal injury, including accidental death, as well as from claims for property damage, which may arise from or which may concern operations by

anyone directly or indirectly employed by, connected with, or acting for or on behalf of Contractor. The City, and its officers, employees and agents, shall be named as additional insureds under the Contractor's insurance policies.

11.3.1 Contractor's commercial general liability insurance policy shall cover both bodily injury (including death) and property damage (including, but not limited to, premises operations liability, products-completed operations liability, independent contractor's liability, personal injury liability, and contractual liability) in an amount not less than $1,000,000 per occurrence and a general aggregate limit in the amount of not less than $2,000,000.

11.3.2 Contractor's automobile liability policy shall cover both bodily injury and property damage in an amount not less than $1,000,000 per occurrence and an aggregate limit of not less than $1,000,000. All of Contractor's automobile and/or commercial general liability insurance policies shall cover all vehicles used in connection with Contractor's performance of this Agreement, which vehicles shall include, but are not limited to, Contractor owned vehicles, Contractor leased vehicles, Contractor's employee vehicles, non-Contractor owned vehicles and hired vehicles.

11.3.3 Prior to City's execution of this Agreement, copies of insurance policies or original certificates along with additional insured endorsements acceptable to the City evidencing the coverage required by this Agreement, for both commercial general and automobile liability insurance, shall be filed with City and shall include the City and its officers, employees and agents, as additional insureds. Said policies shall be in the usual form of commercial general and automobile liability insurance policies, but shall include the following provisions:

> It is agreed that the City of Riverside, and its officers, employees and agents, are added as additional insureds under this policy, solely for work done by and on behalf of the named insured for the City of Riverside.

11.3.4 The insurance policy or policies shall also comply with the following provisions:

a. If the policy is written on a claims made basis, the certificate should so specify and the policy must continue in force for one year after completion of the services. The retroactive date of coverage must also be listed.

b. The policy shall specify that the insurance provided by Contractor will be considered primary and not contributory to any other insurance available to the City and Endorsement No. CG 20010413 shall be provided to the City.

12. **Termination.** City shall have the right to terminate any or all of Contractor's Services and work covered by this Agreement at any time upon thirty (30) calendar days' written notice to Contractor. In the event of such termination, Contractor shall submit Contractor's final written statement of the amount of services provided as of the date of such termination for payment by the City.

Notwithstanding the foregoing, the City may terminate Contractor's performance of this Agreement upon five (5) calendar days' written notice if:

(1) Contractor fails to promptly begin performance of the Services;

(2) Contractor fails to perform the Services;

(3) Contractor discontinues performance of the Services;

(4) Contractor fails to make payment to employees in accordance with applicable law;

(5) Contractor disregards laws, ordinances, or rules, regulations, or orders of a public authority having jurisdiction;

(6) Contractor otherwise is guilty of breach of a provision of this Agreement;

(7) Contractor becomes insolvent, is adjudicated bankrupt, or makes a general assignment for the benefit of creditors and fails to provide City with adequate assurances of Contractor's ability to satisfy its contractual obligations.

(8) A receiver, trustee, or other judicial officer shall not have any right, title, or interest in or to this Agreement. Upon that person's appointment, City has, at its option and sole discretion, the right to immediately cancel the Agreement and declare it null and void.

13. **Non-Discrimination**. During Contractor's performance of this Agreement, Contractor shall not discriminate on the grounds of race, religious creed, color, national origin, ancestry, age, physical disability, mental disability, medical condition including the medical condition of Acquired Immune Deficiency Syndrome (AIDS) or any condition related thereto, marital status, gender, gender identity, genetic information, gender expression, sex or sexual orientation, military and veteran status, in the selection and retention of employees and subcontractors and the procurement of materials and equipment, except as provided in Section 12940 of the California Government Code. Further, Contractor agrees to conform to the requirements of the Americans with Disabilities Act in the performance of this Agreement.

14. **City's Right to Employ Other Consultants/Contractors**. City reserves the right to employ other Contractors in connection with the Services. If the City is required to employ another contractor to complete Contractor's work, due to the failure of the Contractor to perform, or due to the breach of any of the provisions of this Agreement, the City reserves the right to seek reimbursement from Contractor.

15. **Conflict of Interest**. Contractor, for itself and on behalf of the individuals listed in Exhibit "C", represents and warrants that by the execution of this Agreement, they have no interest, present or contemplated, affected by the above-described Services. Contractor further

warrants that neither Contractor, nor the individuals listed in Exhibit "C" have any real property, business interests or income interests that will be affected by this project or, alternatively, that Contractor will file with the City an affidavit disclosing any such interest.

16. **Solicitation**. Contractor warrants that Contractor has not employed or retained any person or agency to solicit or secure this Agreement, nor has it entered into any agreement or understanding for a commission, percentage, brokerage, or contingent fee to be paid to secure this Agreement. For breach of this warranty, City shall have the right to terminate this Agreement without liability and pay Contractor only for the value of work Contractor has actually performed, or, in its sole discretion, to deduct from the Agreement price or otherwise recover from Contractor the full amount of such commission, percentage, brokerage or commission fee. The remedies specified in this section shall be in addition to and not in lieu of those remedies otherwise specified in this Agreement.

17. **Prevailing Wage**. If applicable, pursuant to Section 1771 of the California Labor Code, Contractors are required to pay the general prevailing rates of per diem wages, overtime and holiday wages as determined by the Director of the Department of Industrial Relations and implemented by Resolution No. 13346 of the City Council of the City of Riverside. The Director's determination of prevailing wage rates is available on-line at www.dir.ca.gov/dlsr/DPreWageDetermination.htm, and is referred to and made a part hereof as though fully set forth herein. Contractor is aware of and stipulates that Contractor will also comply with California Labor Code Sections 1725.5 and 1771.1 requiring all general contractors and subcontractors to be registered with DIR, when applicable. Registration can be accomplished through the DIR website by using this link: http://www.dir.ca.gov/Public-Works/PublicWorks.html.

18. **Notices**. Service of any notices, bills, invoices or other documents required or permitted under this Agreement shall be sufficient if sent by one party to the other by United States mail, postage prepaid and addressed as follows:

To City

Public Works
City of Riverside
Attn: Sung Chang
3900 Main Street
Riverside, CA 92522

To Contractor

Kana Subsurface Engineering
Attn: Erick Castro
12620 Magnolia Avenue
Riverside, CA 92503

19. **Venue**. Any action at law or in equity brought by either of the parties hereto for the purpose of enforcing a right or rights provided for by this Agreement shall be tried in the Superior Court of California, County of Riverside and the parties hereby waive all provisions of law providing for a change of venue in such proceedings to any other county.

20. **Waiver**. No action or failure to act by the City shall constitute a waiver of any right or duty afforded City under this Agreement, nor shall any action or failure to act constitute an approval of or acquiescence in any breach thereunder, except as may be specifically provided in this Agreement or as may be agreed in writing.

21. **Severability**. Each provision, term, condition, covenant and/or restriction, in whole and in part, in this Agreement shall be considered severable. In the event any provision, term, condition, covenant and/or restriction, in whole and/or in part, in this Agreement is declared invalid, unconstitutional, or void for any reason, such provision or part thereof shall be severed from this Agreement and shall not affect any other provision, term, condition, covenant and/or restriction of this Agreement and the remainder of the Agreement shall continue in full force and effect.

22. **Amendments**. This Agreement may be modified or amended only by a written agreement and/or change order executed by the Contractor and City.

23. **Authority**. The individuals executing this Agreement and the instruments referenced herein on behalf of Contractor each represent and warrant that they have the legal power, right and actual authority to bind Contractor to the terms and conditions hereof and thereof.

24. **Entire Agreement**. This Agreement constitutes the final, complete, and exclusive statement of the terms of the agreement between the parties pertaining to the subject matter of this Agreement, and supersedes all prior and contemporaneous understandings or agreements of the parties. Neither party has been induced to enter into this Agreement by, and neither party is relying on, any representation or warranty outside those expressly set forth in this Agreement.

25. **Digital and Counterpart Signatures**. Each party to this Agreement intends and agrees to the use of digital signatures that meet the requirements of the California Uniform Electronic Transactions Act (Civil Code §§ 1633.1, et seq.), California Government Code § 16.5, and California Code of Regulations Title 2 Division 7 Chapter 10, to execute this Agreement. The parties further agree that the digital signatures of the parties included in this Agreement are intended to authenticate this writing and to have the same force and effect as manual signatures for purposes of validity, enforceability, and admissibility. For purposes of this section, a "digital signature" is defined in subdivision (d) of Section 16.5 of the Government Code and is a type of "electronic signature" as defined in subdivision (h) of Section 1633.2 of the Civil Code. This Agreement may be executed in any number of counterparts, each of which will be an original, but all of which together will constitute one instrument. Each certified or authenticated electronic copy of an encrypted digital signature shall be deemed a duplicate original, constituting one and the same instrument and shall be binding on the parties hereto.

26. **Interpretation**. City and Contractor acknowledge and agree that this Agreement is the product of mutual arms-length negotiations and accordingly, the rule of construction, which provides that the ambiguities in a document shall be construed against the drafter of that document, shall have no application to the interpretation and enforcement of this Agreement.

26.1 Titles and captions are for convenience of reference only and do not define, describe or limit the scope or the intent of the Agreement or any of its terms. Reference to section numbers, are to sections in the Agreement unless expressly stated otherwise.

26.2 This Agreement shall be governed by and construed in accordance with the laws of the State of California in effect at the time of the execution of this Agreement.

26.3 In the event of a conflict between the body of this Agreement and Exhibit "A" - Scope of Services hereto, the terms contained in Exhibit "A" shall be controlling.

27. **Exhibits**. The following exhibits attached hereto are incorporated herein to this Agreement by this reference:

Exhibit "A" - Scope of Services
Exhibit "B" - Compensation
Exhibit "C" - Key Personnel

[SIGNATURES ON FOLLOWING PAGE]

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed the day and year first above written.

CITY OF RIVERSIDE,
a California charter city and municipal corporation

By: _____
Mike Futrell
City Manager

Attest: _____
Donesia Gause
City Clerk

Certified as to Availability of Funds:

By: _____
Asst Chief Financial Officer

Approved as to Form:

By: _____
Tarren A. Torres
Deputy City Attorney

KANA SUBSURFACE ENGINEERING,
a California corporation

By: _____
Print Name: Erick Castro
Title: President

and

By: _____
Print Name: Daniel A Locke
Title: Secretary

CA #25-0366 TAT/jv 03/27/25
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EXHIBIT "A"

SCOPE OF SERVICES

1. Surface locate existing 18-inch storm drain line and other nearby utilities at the intersection of Van Buren Blvd and Morris St via electronic/GPR processes to determine approximate location, alignment and depth. Work is limited to approximately 2,000 sqft as shown in Exhibit D – Pothole Location Exhibit.

2. Provide an AutoCAD file deliverable using the correct world coordinates of the results of the electronic/GPR process. Data should be clear and easy to read with appropriate legend and labeling if necessary.

3. Uncover and field verify location and depth of all existing utilities as shown in the Pothole Location Exhibit.

4. Prepare a Pothole Summary Report tabulating all data obtained from the pothole work including pothole no., owner, material, size, and depth to top of pipe. If encasements are encountered, provide depth to top and depth to bottom of the encasement. Trenching may be necessary to achieve this.

5. For trench repair, Company must repair any open trenches per City Standard Plan 453.

6. For pothole repair, Company must repair core locations per City Standard Plan 454. However, potholes in the dirt shoulders that are less than 3' deep can be backfilled with compacted dirt to original grade (minimum 95% relative compaction).

7. Obtain a "no-fee" street opening permit from the Public Works Department.

8. Submit traffic control plans prepared by a California Registered Civil Engineer or California Registered Traffic Engineer for approval by the City of Riverside.

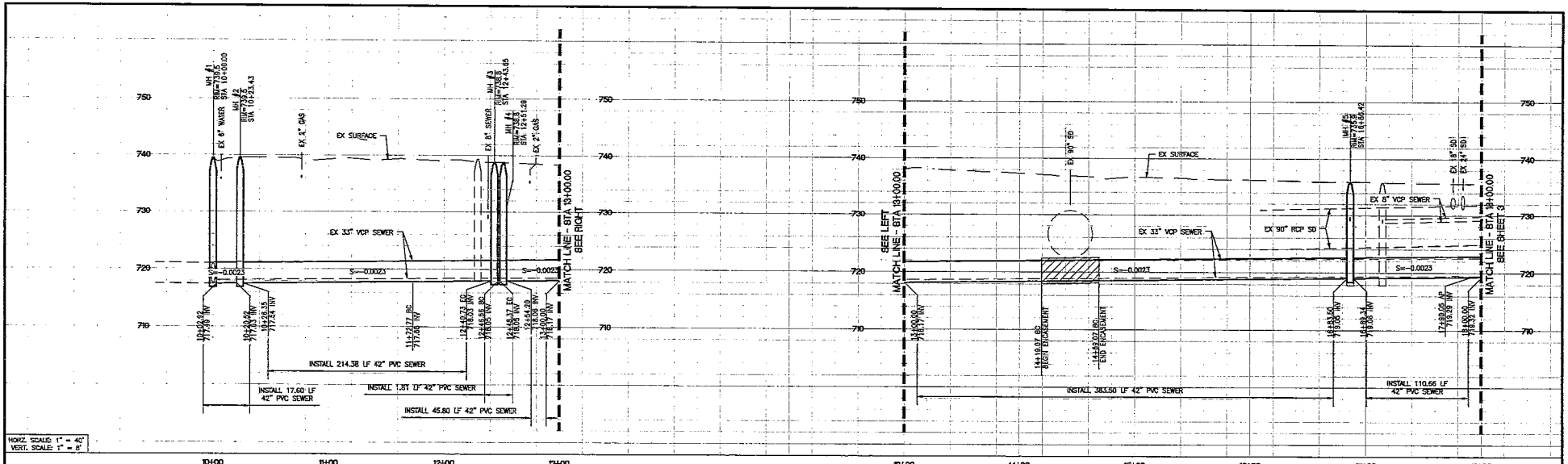
Scope of Services

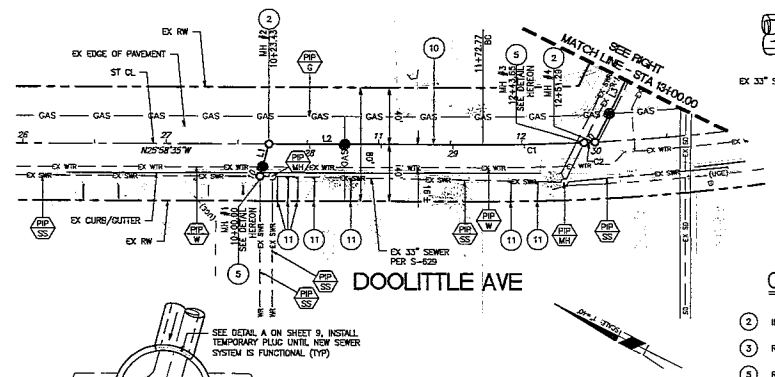
1. KSE will obtain a "no-fee" street opening permit from the Public Works Department.
2. KSE will submit traffic control plans prepared by a California Registered Civil Engineer or California Registered Traffic Engineer for approval by the City of Riverside.
3. KSE will call 811 DigAlert before any potholing or excavation begins.
4. KSE will Surface locate existing 18-inch storm drain line and other nearby utilities at the intersection of Van Buren Blvd and Morris St via electronic/GPR processes to determine approximate location, alignment and depth.
5. KSE will Uncover and field verify location and depth of all existing utilities as shown in the Pothole Location Exhibit.
6. KSE will Provide an AutoCAD file deliverable using the correct world coordinates of the results of the electronic/GPR process. Data will be clear and easy to read with appropriate legend and labeling if necessary.
7. KSE will prepare a Pothole Summary Report tabulating all data obtained from the pothole work including pothole no., owner, material, size, and depth to top of pipe. If encasements are encountered, provide depth to top and depth to bottom of the encasement.
8. For trench repair, KSE will repair any open trenches per City Standard Plan 453.
9. For pothole repair, KSE will repair core locations per City Standard Plan 454. In dirt shoulders KSE will backfill with compacted dirt to original grade (minimum 95% relative compaction).

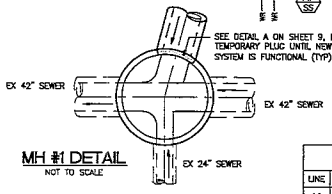
RFP No. 2437

EXHIBIT D

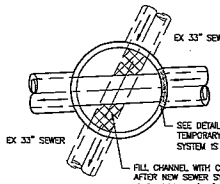
Pothole Location Exhibit





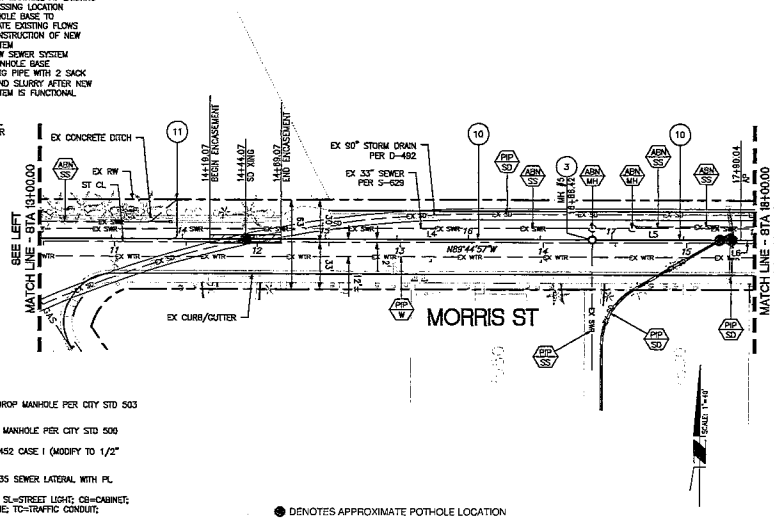


MH #1 DETAIL
NOT TO SCALE



MH #3 DETAIL
NOT TO SCALE

1. INSTALL NEW MANHOLE AT EXISTING SEWER CROSSING LOCATION
2. FORM MANHOLE BASE TO ACCOMMODATE EXISTING FLOWS DURING CONSTRUCTION OF NEW SEWER SYSTEM
3. INSTALL NEW SEWER SYSTEM
4. REFORM MANHOLE BASE
5. FILL EXISTING PIPE WITH 2 SACK CEMENT/SAND SLURRY AFTER NEW SEWER SYSTEM IS FUNCTIONAL



CONSTRUCTION NOTES:

(2) INSTALL 60" DIA PRECAST SEWER MANHOLE PER CITY STD 500

(3) REMOVE PORTION OF EXISTING VCP SEWER, INSTALL 60" DIA SEWER DROP MANHOLE PER CITY STD 503

(5) REMOVE EXISTING SEWER MANHOLE, INSTALL 60" DIA PRECAST SEWER MANHOLE PER CITY STD 500

(10) FURNISH & INSTALL 42" PVC SDR-35, PIPE BEDDING PER CITY STD 452 CASE I (MODIFY TO 1/2" MINUS CRUSHED ROCK), TRENCH BACKFILL PER CITY STD 453

(11) REMOVE EXISTING SEWER LATERAL, FURNISH & INSTALL 4" PVC SDR-35 SEWER LATERAL WITH FL CLEANOUT PER CITY STD 562

(PIP) PROTECT IN PLACE, DESCRIPTION PER PLAN: MH=MANHOLE; TR=TREE; SL=STREET LIGHT; CB=CABINET; SD=STORM DRAIN; G=GAS; W=WATER; SS=SEWER PIPE; TEL=TELEPHONE; TC=TRAFFIC CONDUIT; CO=CLEAN OUT; DUC=ELECTRICAL DUCT BANK

(ABN) ABANDON EXISTING FACILITY, DESCRIPTION PER PLAN: SS=SEWER PIPE, MH=MANHOLE

CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TANGENT
C1	67.96'	1432.69'	N27°20'07"W	33.99'
C2	1.81'	1432.69'	N28°57'49"W	0.90'

LINE TABLE		
LINE	LENGTH	BEARING
L1	17.60'	N79°01'25"E
L2	148.42'	N25°58'35"W
L3	45.80'	N89°44'57"W
L4	383.50'	N89°44'57"W
L5	100.71'	N89°44'57"W
L6	9.96'	N89°37'12"W

● DENOTES APPROXIMATE POTHOLE LOCATION

POTHOLE EXHIBIT (PAGE 1 OF 7)

Underground Service Alert of Southern California
Call: TOLL FREE 1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

CITY OF RIVERSIDE

ENGINEER IN RESPONSIBLE CHARGE
Thuy Nguyen
R.C.E. No. 64751 EXPIRES: 6-30-21
DATE

NAME	REVISIONS	APPR.	DATE

DESIGNED BY SC DRAWN BY SC CHECKED BY TN

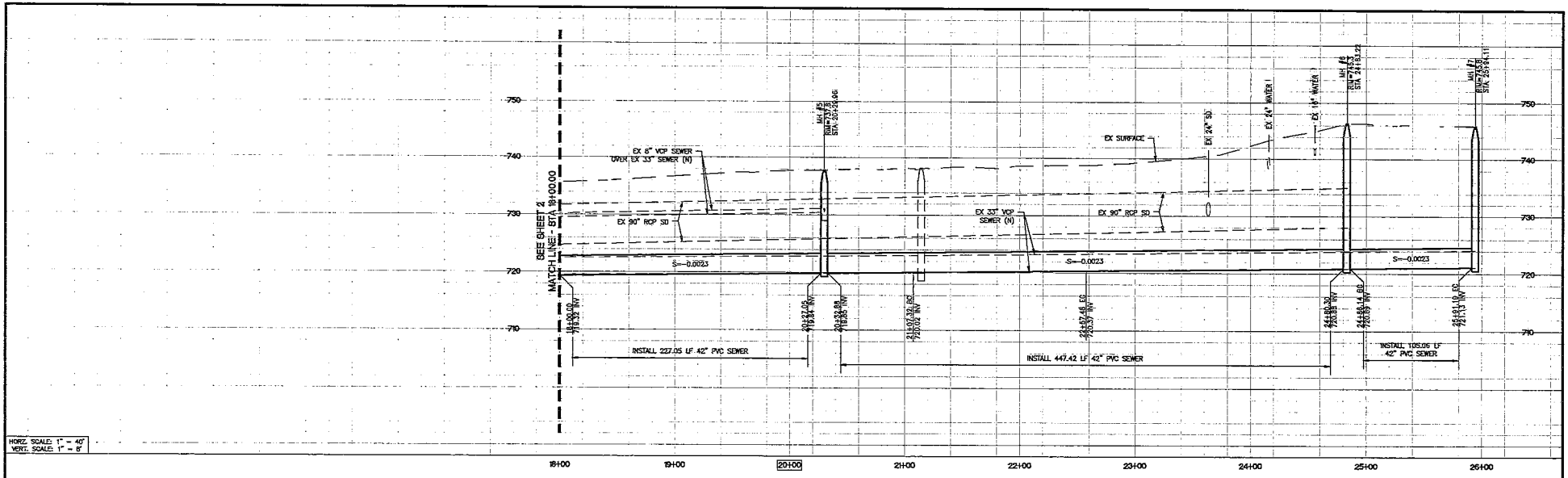
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

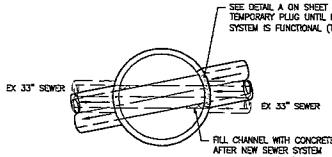
APPROVED BY	BY	DATE
ENGINEERING MANAGER		
CONSTRUCTION ADMIN.		
TRAFFIC DIVISION		
SURVEY		
STREETS		

APPROVED BY
CITY ENGINEER
DATE

SEWER IMPROVEMENTS
CITYWIDE
TRUNK SEWER IMPROVEMENTS
MORRIS STREET
DOOLITTLE AVENUE TO VAN BUREN BOULEVARD
HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=8'

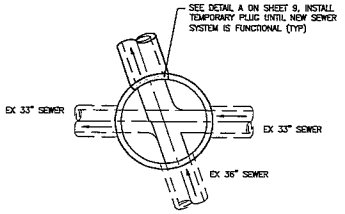
DESIGN WORK ORDER NO.: 2105955
CONSTR. WORK ORDER NO.: XXXXXX
S-2169
SHEET 2 OF 9
FILE NAME: S2169-02.DWG





MH #7 DETAIL
NOT TO SCALE

1. INSTALL NEW MANHOLE AT EXISTING SEWER CROSSING LOCATION
2. FORM MANHOLE BASE TO ACCOMMODATE EXISTING FLOWS DURING CONSTRUCTION OF NEW SEWER SYSTEM
3. INSTALL NEW SEWER SYSTEM, REMOVE CONFLICTING EXISTING SEWER PIPE AS NEEDED
4. REFORM MANHOLE BASE
5. FILL EXISTING PIPE WITH 2 SACK CEMENT/SAND SLURRY AFTER NEW SEWER SYSTEM IS FUNCTIONAL



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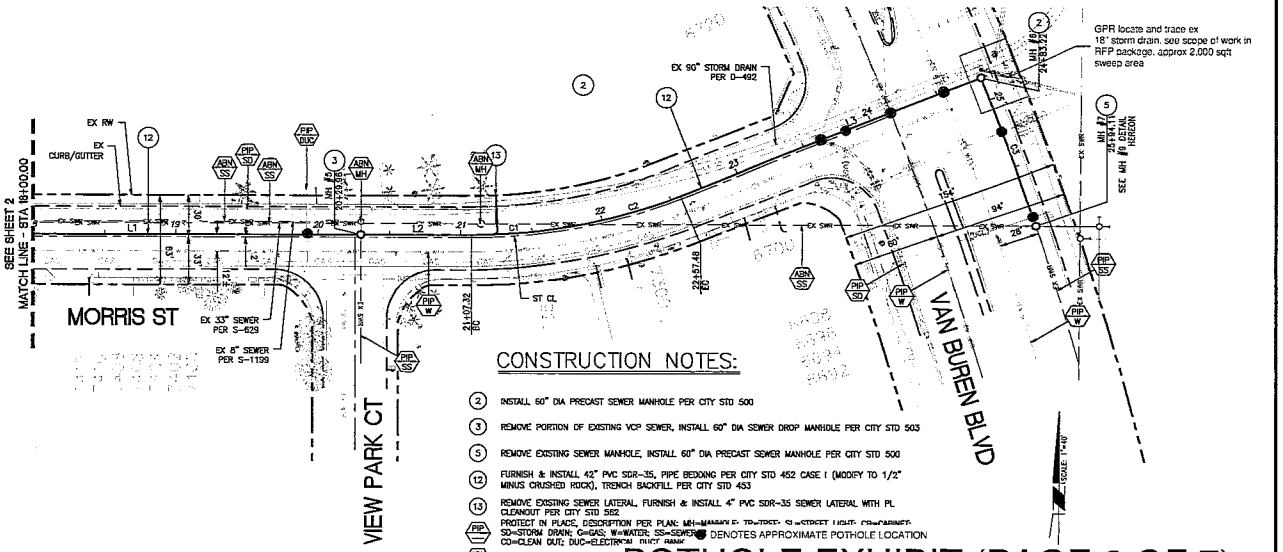

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(5) REMOVE EXISTING SEWER MANHOLE, INSTALL 60" DIA PRECAST SEWER MANHOLE PER CITY STD 500

(12) FURNISH & INSTALL 42" PVC SDR-35, PIPE BEDDING PER CITY STD 452 CASE I (MODIFY TO 1/2" MINUS CRUSHED ROCK), TRENCH BACKFILL PER CITY STD 453

(13) REMOVE EXISTING SEWER LATERAL, FURNISH & INSTALL 4" PVC SDR-35 SEWER LATERAL WITH PL CLEANOUT PER CITY STD 562

PIP PROTECT IN PLACE, DESCRIPTION PER PLAN: MH=MANHOLE; TC=TOP OF CONCRETE LID; FC=CABINET; SD=STORM DRAIN; C=GAS; W=WATER; SS=SEWER; DENOTES APPROXIMATE POTHOLE LOCATION CO=CLEAN OUT; DUC=ELECTRICAL DUCT BANK

ABN ABANDON EXISTING FACILITY.

POTHOLE EXHIBIT (PAGE 2 OF 7)

CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TANGENT
C1	76.44'	398.00'	N84°52'41"E	38.34'
C2	67.91'	398.00'	N73°39'01"E	34.04'
C3	105.06'	2000.00'	N19°58'48"W	52.54'

LINE TABLE		
LINE	LENGTH	BEARING
L1	227.05'	N83°37'12"W
L2	74.44'	N89°37'12"W
L3	222.82'	N68°45'44"E

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TWO WORKING DAYS BEFORE YOU DIG

CITY OF RIVERSIDE

ENGINEER IN RESPONSIBLE CHARGE
Thuy Nguyen
R.C.E. No. 64751 EXPIRES: 6-30-21
DATE

MARK	REVISIONS	APPR.	DATE
DESIGNED BY SC	DRAWN BY SC	CHECKED BY TN	

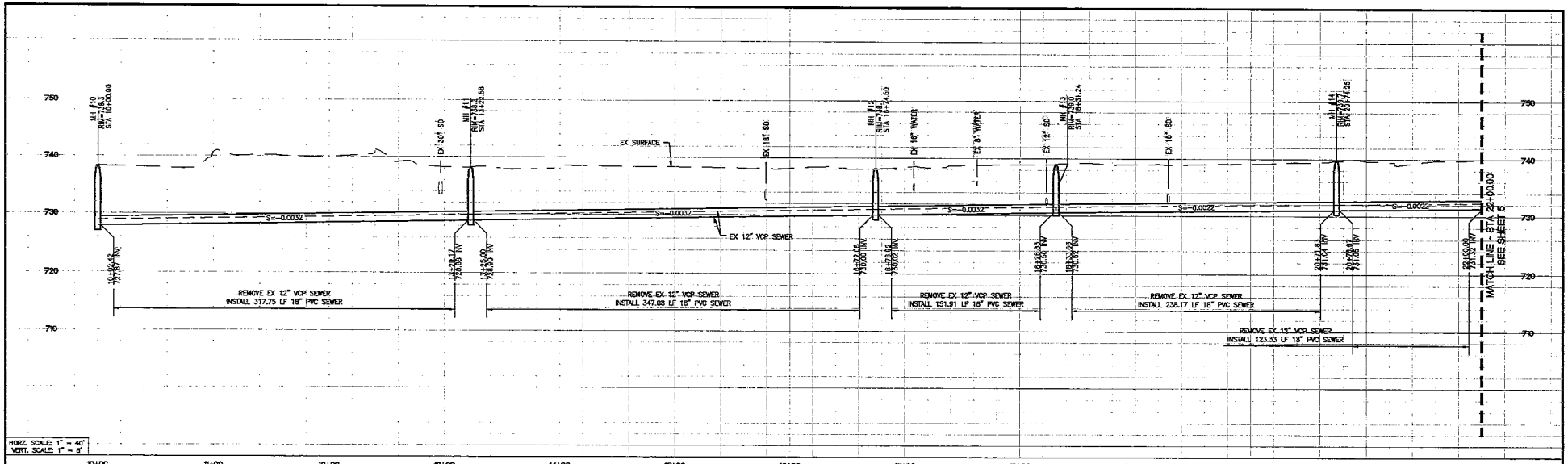
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

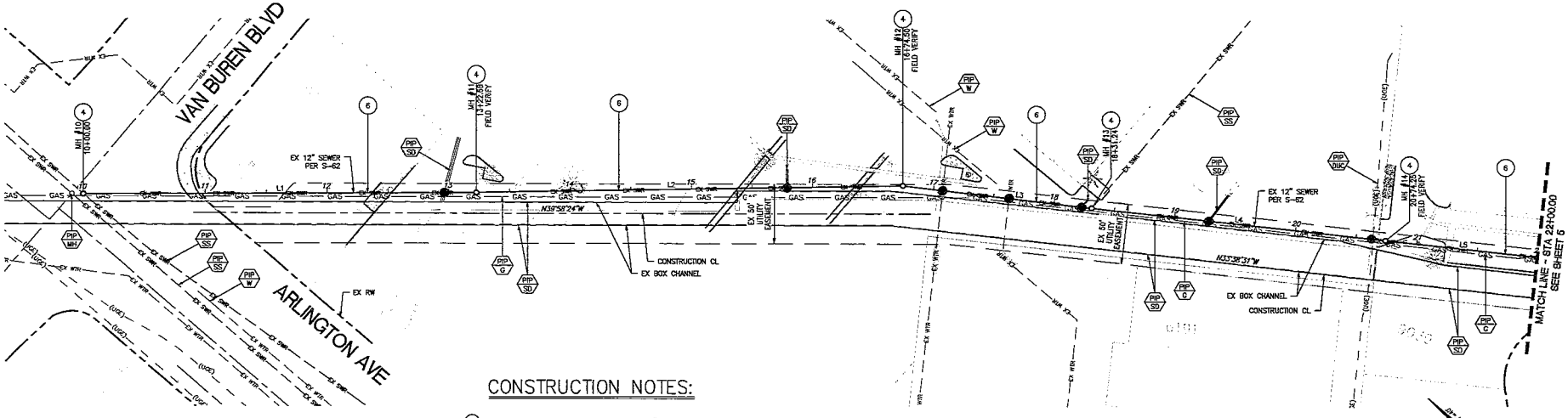
APPROVED BY	BY	DATE
ENGINEERING MANAGER		
CONSTRUCTION ADMIN.		
TRAFFIC DIVISION		
SURVEY		
STREETS		

APPROVED BY
CITY ENGINEER
DATE

SEWER IMPROVEMENTS
CITYWIDE
TRUNK SEWER IMPROVEMENTS
MORRIS STREET
DOOLITTLE AVENUE TO VAN BUREN BOULEVARD
HORIZ. SCALE: 1"=40' | VERT. SCALE: 1"=8'

DESIGN WORK ORDER NO: 2105965
CONSTR. WORK ORDER NO.: XXXXXX
S-2169
SHEET 3 OF 9
FILE NAME: S2169-03.DWG





LINE TABLE		
LINE	LENGTH	BEARING
L1	317.75'	N40°17'53"W
L2	347.08'	N40°59'36"W
L3	151.91'	N33°13'33"W
L4	238.17'	N33°40'10"W
L5	123.33'	N33°40'10"W

CONSTRUCTION NOTES:

(4) REMOVE EXISTING SEWER MANHOLE, INSTALL 48" DIA PRECAST SEWER MANHOLE PER CITY STD 500

(6) REMOVE EXISTING VCP SEWER, FURNISH & INSTALL 18" PVC SDR-35, PIPE BEDDING PER CITY STD 452 CASE I (MODIFY TO 1/2" MINUS CRUSHED ROCK), TRENCH BACKFILL PER CITY STD 453

(PIP) PROTECT IN PLACE, DESCRIPTION PER PLAN: MH=MANHOLE; TR=TREE; SL=STREET LIGHT; CB=CABINET; SD=STORM DRAIN; G=GAS; W=WATER; SS=SEWER PIPE; TEL=TELEPHONE; TC=TRAFFIC CONDUIT; CO=CLEAN OUT; DUC=ELECTRICAL DUCT BANK

● DENOTES APPROXIMATE POTHOLE LOCATION

POTHOLE EXHIBIT (PAGE 3 OF 7)

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CITY OF RIVERSIDE

ENGINEER IN RESPONSIBLE CHARGE

Thuy Nguyen
R.C.E. No. 64751 EXPIRES: 6-30-21
DATE

REGISTERED PROFESSIONAL ENGINEER — THUY N. NGUYEN — No. 64751 — Exp. 6-30-21 — CIVIL — STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY SC DRAWN BY SC CHECKED BY TN

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
ENGINEERING MANAGER		
CONSTRUCTION ADMIN.		
TRAFFIC DIVISION		
SURVEY		
STREETS		

APPROVED BY
CITY ENGINEER
DATE

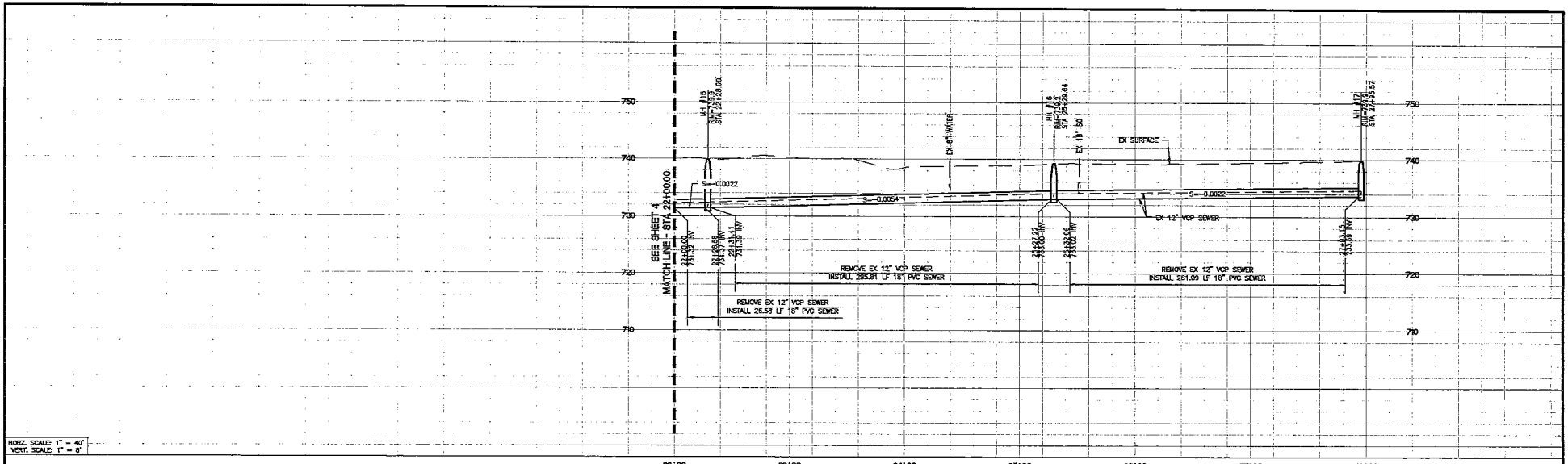
SEWER IMPROVEMENTS
CITYWIDE
TRUNK SEWER IMPROVEMENTS
ARLINGTON AVENUE
VAN BUREN BOULEVARD TO CONCORD AVENUE
HORIZ. SCALE: 1"=40' | VERT. SCALE: 1"=8'

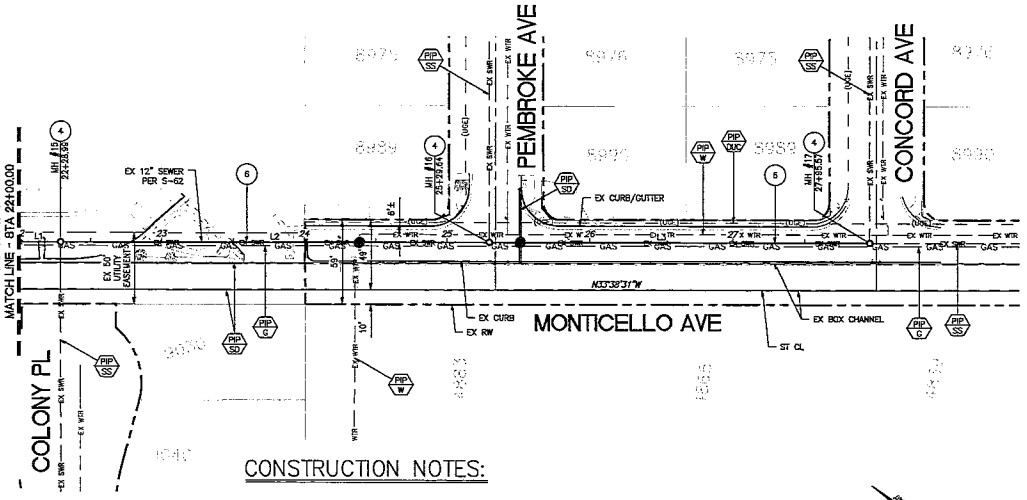
DESIGN WORK ORDER NO.: 2105985
CONSTR. WORK ORDER NO.: XXXXXX

S-2169

SHEET 4 OF 9

FILE NAME: S2169-04.DWG





CONSTRUCTION NOTES:

(4) REMOVE EXISTING SEWER MANHOLE, INSTALL 48" DIA PRECAST SEWER MANHOLE PER CITY STD 500

(6) REMOVE EXISTING VCP SEWER, FURNISH & INSTALL 18" PVC SDR-35, PIPE BED & BACKFILL PER 452 CASE 1 (MODIFY TO 1/2" MINUS CRUSHED ROCK), TRENCH BACKFILL ● DENOTES APPROXIMATE POTHOLE LOCATION

PIP — PROTECT IN PLACE, DESCRIPTION PER PLAN: MH=MANHOLE, SD=STORM DRAIN, G=GAS; W=WATER, SS=SEWER PIPE, CO=CLEAN OUT; DUC=ELECTRICAL DUCT BANK

POTHOLE EXHIBIT (PAGE 4 OF 7)

LINE TABLE		
LINE	LENGTH	BEARING
L1	26.58'	N33°40'10"W
L2	295.81'	N33°40'48"W
L3	261.09'	N33°35'36"W

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CITY OF RIVERSIDE

ENGINEER IN RESPONSIBLE CHARGE
Thuy Nguyen
R.C.E. No. 84791 EXPIRES: 6-30-21
DATE

MARK	REVISIONS	APPR.	DATE

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CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
ENGINEERING MANAGER		
CONSTRUCTION ADMIN.		
TRAFFIC DIVISION		
SURVEY		
STREETS		

APPROVED BY
CITY ENGINEER
DATE

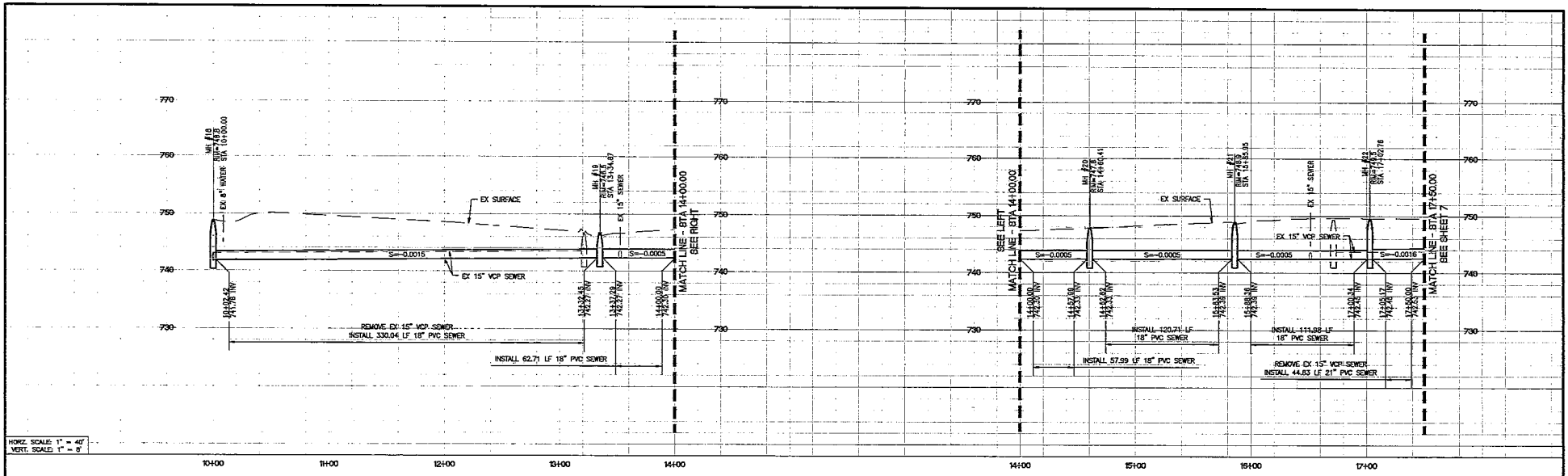
SEWER IMPROVEMENTS
CITYWIDE
TRUNK SEWER IMPROVEMENTS
ARLINGTON AVENUE
VAN BUREN BOULEVARD TO CONCORD AVENUE
HORIZ. SCALE: 1"=40' | VERT. SCALE: 1"=8'

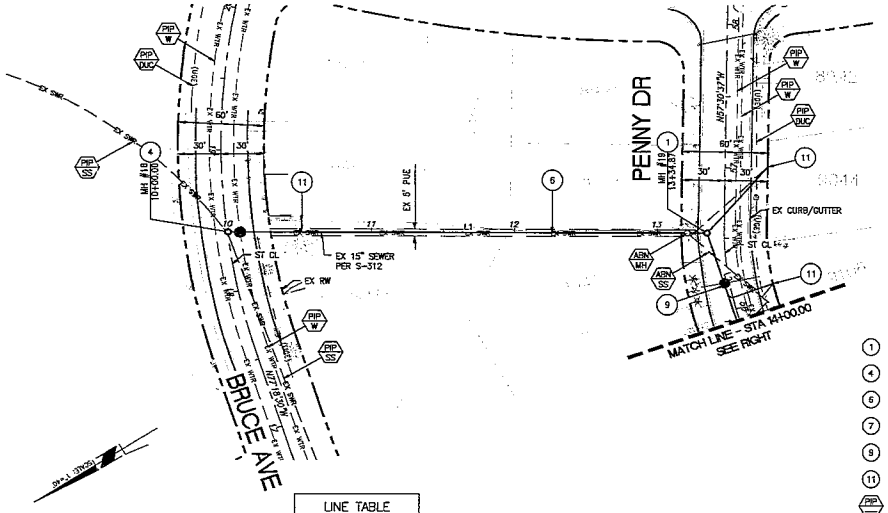
DESIGN WORK ORDER NO.: 210595
CONSTR. WORK ORDER NO.: 100XXX

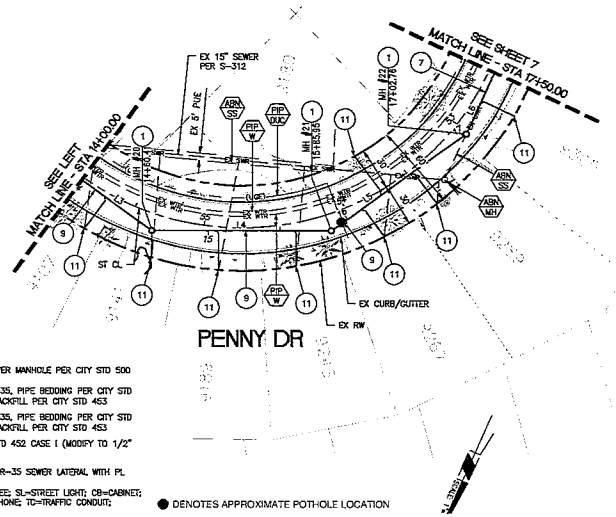
S-2169

SHEET 5 OF 9

FILE NAME: S2169-05.DWG







LINE TABLE		
LINE	LENGTH	BEARING
L1	330.04'	N31°35'29"E
L2	62.71'	N77°14'48"W
L3	57.99'	N77°14'48"W
L4	120.71'	N66°32'45"E
L5	111.98'	N30°20'17"E
L6	44.83'	N1°23'05"E

CONSTRUCTION NOTES:

1. INSTALL 48" DIA PRECAST SEWER MANHOLE PER CITY STD 500
4. REMOVE EXISTING SEWER MANHOLE, INSTALL 48" DIA PRECAST SEWER MANHOLE PER CITY STD 500
6. REMOVE EXISTING VCP SEWER, FURNISH & INSTALL 18" PVC SDR-35, PIPE BEDDING PER CITY STD 452 CASE I (MODIFY TO 1/2" MINUS CRUSHED ROCK), TRENCH BACKFILL PER CITY STD 453
7. REMOVE EXISTING VCP SEWER, FURNISH & INSTALL 21" PVC SDR-35, PIPE BEDDING PER CITY STD 452 CASE I (MODIFY TO 1/2" MINUS CRUSHED ROCK), TRENCH BACKFILL PER CITY STD 453
9. FURNISH & INSTALL 18" PVC SDR-35, PIPE BEDDING PER CITY STD 452 CASE I (MODIFY TO 1/2" MINUS CRUSHED ROCK), TRENCH BACKFILL PER CITY STD 453
11. REMOVE EXISTING SEWER LATERAL, FURNISH & INSTALL 4" PVC SDR-35 SEWER LATERAL WITH PL CLEANOUT PER CITY STD 562

PIP — PROTECT IN PLACE, DESCRIPTION PER PLAN: MH=MANHOLE; TR=TREE; SL=STREET LIGHT; CB=CABINET; SD=STORM DRAIN; G=GAS; W=WATER; SS=SEWER PIPE; TEL=TELEPHONE; TC=TRAFFIC CONDUIT; CO=CLEAN OUT; DUC=ELECTRICAL DUCT BANK

ABN — ABANDON EXISTING FACILITY, DESCRIPTION PER PLAN: SS=SEWER PIPE, MH=MANHOLE

● DENOTES APPROXIMATE POTHOLE LOCATION

POTHOLE EXHIBIT (PAGE 5 OF 7)

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CITY OF RIVERSIDE

ENGINEER IN RESPONSIBLE CHARGE

Thuy Nguyen
R.C.E. No. 84751 EXPIRES: 6-30-21
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CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

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ENGINEERING MANAGER		
CONSTRUCTION ADMIN.		
TRAFFIC DIVISION		
SURVEY		
STREETS		

APPROVED BY
CITY ENGINEER
DATE

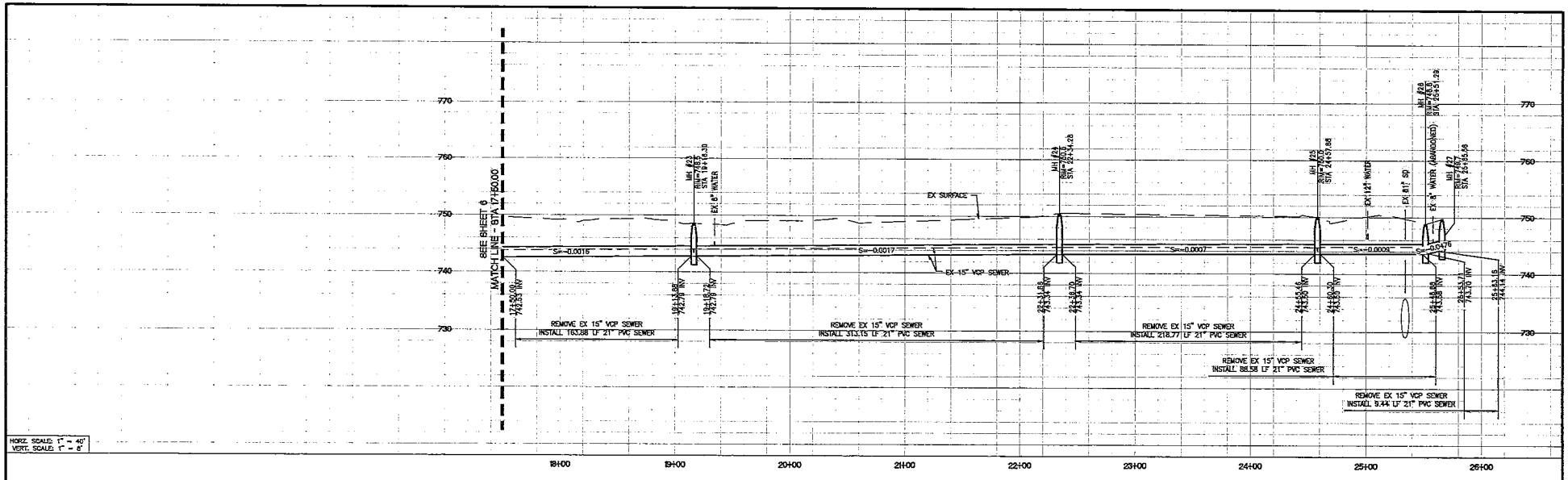
SEWER IMPROVEMENTS
CITYWIDE
TRUNK SEWER IMPROVEMENTS
RUTLAND AVE
BRUCE AVENUE TO ARLINGTON AVENUE
HORIZ. SCALE: 1"=40' | VERT. SCALE: 1"=8'

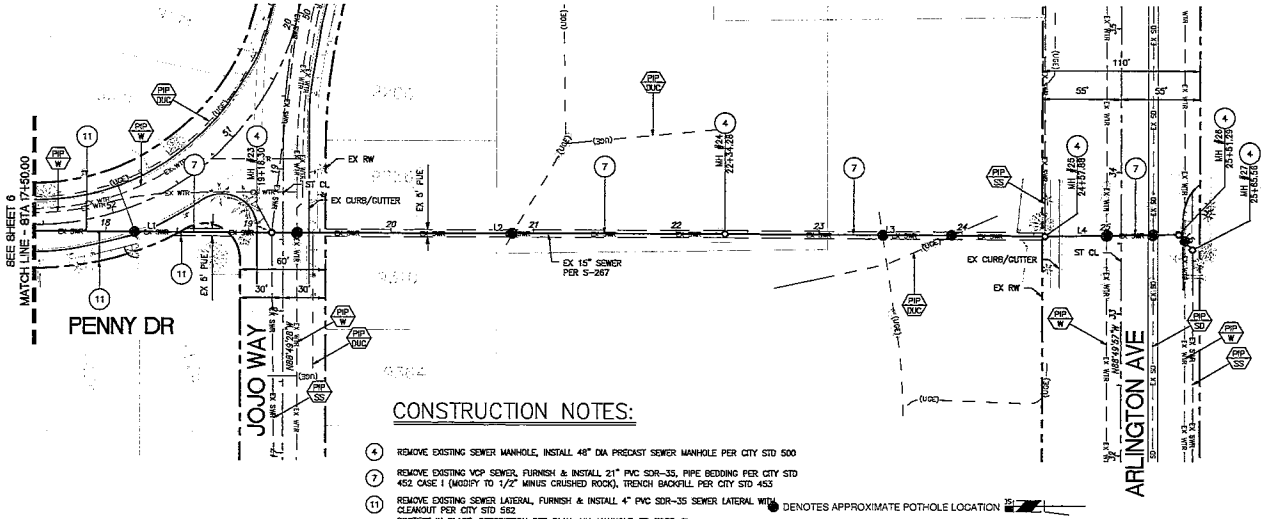
DESIGN WORK ORDER NO.: 2105955
CONSTR. WORK ORDER NO.: XXXXXX

S-2169

SHEET 6 OF 9

FILE NAME: S2169-05.DWG





CONSTRUCTION NOTES:

(4) REMOVE EXISTING SEWER MANHOLE, INSTALL 48" DIA PRECAST SEWER MANHOLE PER CITY STD 500

(7) REMOVE EXISTING VCP SEWER, FURNISH & INSTALL 21" PVC SDR-35, PIPE BEDDING PER CITY STD 452 CASE I (MODIFY TO 1/2" MINUS CRUSHED ROCK), TRENCH BACKFILL PER CITY STD 453

(11) REMOVE EXISTING SEWER LATERAL, FURNISH & INSTALL 4" PVC SDR-35 SEWER LATERAL WITH CLEANOUT PER CITY STD 582

PIP PROTECT IN PLACE, DESCRIPTION PER PLAN; MH=MANHOLE; TR=TREE; SL=STREET LIGHT; SD=STORM DRAIN; G=GAS; W=WATER; SS=SEWER PIPE; TEL=TELEPHONE; CO=CLEAN OUT; DUC=ELECTRICAL DUCT BANK

● DENOTES APPROXIMATE POTHOLE LOCATION

POTHOLE EXHIBIT (PAGE 6 OF 7)

LINE TABLE		
LINE	LENGTH	BEARING
L1	163.89'	N1°23'05"E
L2	313.15'	N1°07'28"E
L3	218.77'	N1°24'57"E
L4	88.58'	N0°16'38"E
L5	9.44'	N48°51'19"E

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ENGINEER IN RESPONSIBLE CHARGE
Thuy Nguyen
R.C.E. No. 64751 EXPIRES: 6-30-21
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TRAFFIC DIVISION		
SURVEY		
STREETS		

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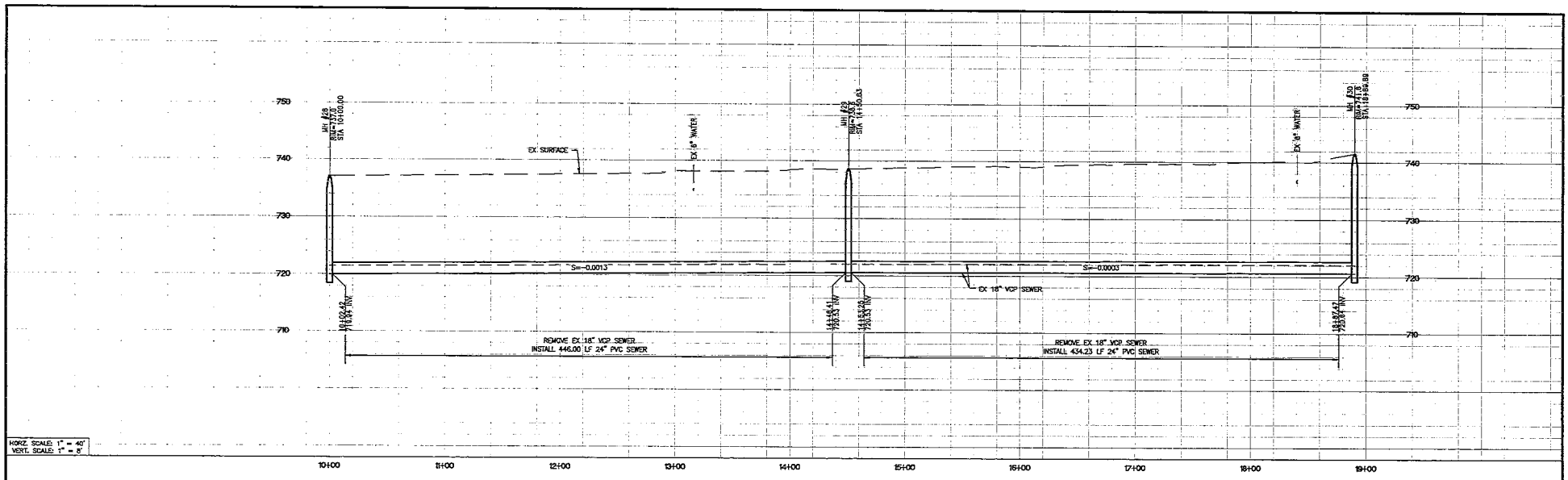
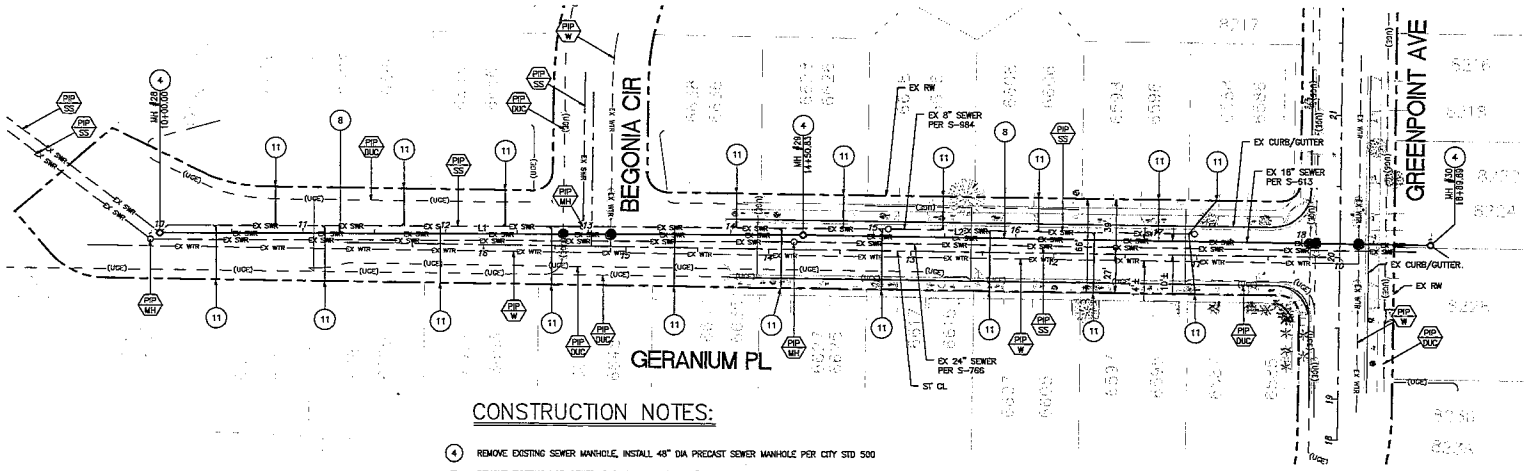
CITY ENGINEER
DATE

SEWER IMPROVEMENTS
CITYWIDE
TRUNK SEWER IMPROVEMENTS
RUTLAND AVE
BRUCE AVENUE TO ARLINGTON AVENUE
HORIZ. SCALE: 1"=40' | VERT. SCALE: 1"=8'

DESIGN WORK ORDER NO.: 21000953
CONSTR. WORK ORDER NO.: XXXXXX
S-2169
SHEET 7 OF 9
FILE NAME: S2169-07.DWG





CONSTRUCTION NOTES:

(4) REMOVE EXISTING SEWER MANHOLE, INSTALL 48" DIA PRECAST SEWER MANHOLE PER CITY STD 500

(8) REMOVE EXISTING VCP SEWER, FURNISH & INSTALL 24" PVC SDR-35, PIPE BEDDING PER CITY STD 452 CASE I (MODIFY TO 1/2" MINUS CRUSHED ROCK), TRENCH BACKFILL PER CITY STD 453

(11) REMOVE EXISTING SEWER LATERAL, FURNISH & INSTALL 4" PVC SDR-35 SEWER LATERAL WITH PL CLEANOUT PER CITY STD 562

PIP PROTECT IN PLACE, DESCRIPTION PER PLAN: MH=MANHOLE; TR=TREE; SL=STREET LIGHT; CB=CABINET; SD=STORM DRAIN; G=GAS; W=WATER; SS=SEWER PIPE; TEL=TELEPHONE; TC=TRAFFIC CONDUIT; CO=CLEAN OUT; DUC=ELECTRICAL DUCT BANK

● DENOTES APPROXIMATE POTHOLE LOCATION (PL)

POTHOLE EXHIBIT (PAGE 7 OF 7)

LINE TABLE		
LINE	LENGTH	BEARING
L1	446.00'	N1°05'45"E
L2	434.23'	N1°51'25"E

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CITY OF RIVERSIDE

ENGINEER IN RESPONSIBLE CHARGE

Thuy Nguyen
R.C.E. No. 64751 EXPIRES: 6-30-21
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CONSTRUCTION ADMIN.		
TRAFFIC DIVISION		
SURVEY		
STREETS		

APPROVED BY
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DATE

SEWER IMPROVEMENTS
CITYWIDE
TRUNK SEWER IMPROVEMENTS
GERANIUM PL
GREENPOINT AVENUE TO END
HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=8'

DESIGN WORK ORDER NO.: 2105955
CONSTR. WORK ORDER NO.: XXXXXX

S-2169

SHEET 8 OF 9

FILE NAME: S2169-08.DWG

EXHIBIT "B"

COMPENSATION

REVISION 38

Bid Date: 1/14/2025
Time: 12:00PM

Proposal for:
RUTLAND SEWER IMPROVEMENTS
from
Kana Subsurface Engineering
12620 Magnolia Ave., Riverside, CA 92503
(909) 204-5987 Fax: (714) 986-1416
License: 1002768 Type: A

City Of Riverside

Project No. S24111

Item	Description	Quantity	Unit	Unit Price	Total Price
7000	**POTHOLES**				
01	Potholes	38.00	EA	890.00	33,820.00
02	USA Markout	1.00	LS	690.00	690.00
03	Traffic Control	1.00	LS	8,923.00	8,923.00
04	Traffic Control Plans	1.00	LS	6,900.00	6,900.00
05	GPR/Electromagnetic Locating	1.00	LS	6,750.00	6,750.00
06	Paving Approx	38.00	EA	1,020.00	38,760.00
				Total:	95,843.00
1000	**Admin**				
/ 01	Permit/Fees - No Fee	0.00	LS	0.00	0.00 /
02	Pothole Report	1.00	LS	190.00	190.00
				Total:	190.00
1350	**MOBILIZATION**				
01	Drive Time	1.00	LS	975.00	975.00
				Total:	975.00

Total For POTHOLES	95,843.00
Total For Admin	190.00
Total For MOBILIZATION	975.00
Total:	**97,008.00**

√ = Locked Bid-Item
/ = Zero Total Price

Attachment Enclosed

1/14/2025 12:04 pm

Estimator: Malo Tauaese

SharpeSoft Generated by a SharpeSoft Product

EXHIBIT "C"

KEY PERSONNEL

Experience and Resumes

Team Resume

Malouamaua Tauaese Jr.
Manager
Years of Experience: 20 + years

Responsibilities:

- Estimating new projects
- Coordinate projects bid and contracts received with field staff to ensure proper construction and with accounting to ensure proper allocation of costs.
- Prepare final reports as required on projects.
- Purchasing of materials and scheduling equipment to ensure project schedules are met.
- Track production, and sales, and assist with the work in progress reports.

Skills:

- Leadership and project team coordination
- Business development in customer retention and acquiring new customers.
- Administrative proficiency working with accounting, safety, contracts, and customer requirements.
- Safety and loss prevention ensuring a safe job for Kana and the Customer.
- Scheduling of projects, personnel, and equipment

Education, Safety and Specialized Trainings:

- OSHA 20 Certified
- OSHA Confined Space Certified
- CPR / First Aid
- Competent Person Certified

Employment History:

Manager at Kana Subsurface Engineering (KSE)	2015–Present
Supervisor at UtiliQuest Inc.	2014-2015
Regional Locate Supervisor at Golden State Utility Co.	2004–2014
Network Technician at Broadwing Telecommunication	2000-2004

Experience and Resumes

Brian Snowball
Potholing Superintendent
Years of Experience: 18 Years

Responsibilities:
- Managing locating, potholing & flagpole installation projects.
- Coordinate projects with field staff scheduling manpower and equipment.
- Ensure proper construction in compliance with Customer's needs and requirements.
- Log and record all information for final reports in accordance with requirements.
- Track production and ensure that the projects are within budget.

Skills:
- Leadership in the area of project team coordination and scheduling.
- Safety and loss prevention ensuring a safe job for Kana and the Customer.
- Scheduling of projects, personnel, and equipment.

Education, Safety and Specialized Trainings:
- OSHA 30 Certified
- OSHA Confined Space Certified
- CPR / First Aid

Employment History:

Potholing Superintendent at Kana Subsurface Engineering (KSE)	2011–Present
Locate Tech at Golden State Utility Co.	2006-2011

Bruno Chavez
Lead Locator
Years of Experience: 29 Years

- 21+ years Underground Utility Locating experience and 5+ years
- Management/Training/Mentoring experience
- Experience in balancing priorities for short-term and long-range goals
- Ability to coordinate multiple projects and meet deadlines under pressure
- A strong history of completing projects on time and within budget
- Equally effective working in self-managed projects or as a team member
- Recognized as a creative and practical problem solver
- Energetic, positive, and self-motivated
- Enthusiastic, creative, and willing to assume increased responsibility

Employment History:

Lead Locator - KSE	2017-Present
Mentor/Trainer - Utiliquest	2015-2016
Master Locator – Utiliquest	2010-2015
Branch Manager – Utiliquest	1995-2010