

CONSTRUCTION AND MAINTENANCE AGREEMENT FOR THE BAYSHORE BIKEWAY PROJECT

THIS IS A CONSTRUCTION AND MAINTENANCE AGREEMENT ("CMA") is made and entered into this _____ day in the month of _____ in the year of 2023 by and between the SAN DIEGO METROPOLITAN TRANSIT SYSTEM ("MTS"), a California public agency, the San Diego and the City of National City ("CITY"), a California Charter City duly formed under the laws of the State of California, collectively as the ("Parties").

RECITALS

WHEREAS, the City and Unified San Diego Port District recently approved and certified an Environmental Impact Report for the redevelopment of the National City bayfront known as the "Balanced Plan;" and

WHEREAS, a key component of the Balanced Plan is the development of the "Bayshore Bikeway" which links South San Diego Bay to the North Bay and travels near the shoreline of the Bay ("Project"); and

WHEREAS, the Project provides the means for local residents to use alternative transportation to commute to their workplaces and provides a regional and state recreational asset to those who visit the San Diego waterfront; and

WHEREAS, to facilitate the development of the Bayshore Bikeway the Parties agree that the CITY will construct, maintain, and operate the Project and CITY will reimburse MTS for all MTS staff expenses, consultant expenses, and other reasonable direct expenses accrued in reviewing approving, and constructing the Project and in preparing this CMA and any other agreements relating to the Project, including but not limited to a license for the Project and a Right of Entry Permit that allows the CITY's contractor to enter into the ROW to construct the Project, the Parties will collectively work together to estimate these expenses on a not to exceed annual basis;

NOW, THEREFORE, IT IS AGREED:

1. **License.** MTS agrees to grant to CITY a license upon certain portions of the ROW in the City of San Diego, County of San Diego, depicted in Exhibit "B" solely for the purpose of constructing, maintaining and operating the Project, in strict accordance with the provisions of this CMA. This license will be granted subject to the prior, continuing, and future rights and obligations of MTS (including its licensees, successors and assigns) to use the ROW for MTS purposes and other consistent uses, including, but not limited to, existing and future transportation activities, utilities, communication systems, pipeline facilities and appurtenances in, upon, over, across and along the ROW, and there is expressly reserved unto MTS, and its respective successors and assigns, the right (consistent with the rights herein granted) to construct, reconstruct, maintain, operate, and use any and all existing and future facilities and appurtenances related to the above-referenced uses.

2. **Use.** If CITY shall use the ROW for any purpose other than as stated in Section 1 above, or fail to act in accordance with the provisions of this CMA or act in a manner which interferes with the use of the ROW by MTS (including its licensees, successors and assigns), then MTS (or its successors and assigns) shall provide CITY with a timely written notice of any claim of default, meet and confer with CITY regarding the claim of default, and allow CITY a reasonable opportunity to cure the default so long as CITY proceeds expeditiously to cure the default. If CITY fails to cure the default in a timely manner, MTS may exercise its remedies at law or equity against CITY. It is expressly understood and agreed by MTS that CITY shall use the ROW without interference or damage to any MTS facilities existing or constructed during the term of this CMA over, under, along and across the ROW. CITY hereby agrees to the fullest extent of the law, that it will indemnify and save harmless MTS from and against any and all liability for any such interference or damage by the CITY or its contractors or agents as more expressly set forth below in **Paragraph 8**.

3. **Limitations.**

(a) **Limitations on Use.**

- (i) CITY shall comply with all applicable terms, conditions, directive and requirements of MTS's policies regarding rights-of-way and other MTS ordinances, rules and regulations. CITY shall comply with all applicable laws and regulations of the federal, state, county, local governments and all administrative agencies thereof which may have jurisdiction over CITY's construction, maintenance and operation of the Project.
- (ii) No use, construction, or maintenance by CITY or on CITY's behalf of the Project will interfere with any type of MTS operations on the ROW.
- (iii) CITY shall not leave any personal property or equipment on the ROW unattended at any time after the completion of the Project that would cause a safety hazard or violate a Public Utilities Commission regulation.

(b) **Limitations on License.** The license and permission to be granted are without warranty of title of any kind, expressed or implied and are subject to and subordinate to all prior licenses, leases, easements, restrictions, reservations, conditions, covenants, encumbrances, rights-of-way, liens and claims of title which may in any manner encumber the ROW.

4. **Maintenance of Project.** CITY shall maintain at its expense the Project and appurtenances constructed pursuant to the terms of this CMA and which are over, under, along and across the ROW. In performing its maintenance obligations in accordance with this **Paragraph 4**, the CITY and/or its contractors, agents and assigns shall comply with MTS's rules and regulations concerning use of and work within the ROW, and the instructions of MTS'

representatives in relation to the proper manner of protecting MTS' tracks and traffic moving thereon, pole lines, signals, and other property of MTS, or its tenants or licensees, at or in the vicinity of any maintenance work, and shall perform such work at such times as shall not endanger or interfere with safe and timely operation of MTS's track and other facilities.

5. **Right of Entry Permit.** The exercise of any and all rights provided by this CMA is subject to the requirement that the CITY's contractors and agents first obtain a Right of Entry Permit ("ROE Permit") from MTS prior to entry onto the ROW for the construction or maintenance of the Project. The ROE Permit requires that the CITY's contractors and agents procure and maintain in force at all times during the construction contract, the insurance described in this CMA. MTS shall timely process any applications required to obtain the Permits, and shall not unreasonably deny or delay the issuance of such Permit. The CITY's contractors and agents will comply with all MTS policies, rules and regulations as stated in the ROE Permit, and the instructions of MTS's representatives in relation to the proper manner of protecting the MTS tracks and traffic moving thereon, catenary lines, pull lines, signals and other property of Rail road, or their respective tenants or licensees, during the period of construction of the Project.

6. **Durable Maintenance ROE Permit.** Notwithstanding the foregoing, MTS hereby grants CITY a Durable Maintenance ROE Permit to allow CITY to enter onto the ROW for routine maintenance of the Project, including, but not limited to, activities such as trash removal, cleaning of pedestrian walkway, cleaning of pedestrian guardrail, and similar maintenance activities related to the Bayshore Bikeway. The Durable Maintenance ROE Permit shall remain effective throughout the life of this Agreement and be subject to all of the terms of this CMA, including but not limited to the indemnity and insurance provisions. Entry onto the ROW by individuals or entities other than the CITY (such contractors, agents, and non-CITY employees) shall require a separate ROE Permit issued by MTS in conformance with Paragraph 5.

7. **Notice.** The exercise of any and all rights provided to CITY by this CMA is also subject to the notice requirements set forth in the ROE Permits for the construction and maintenance of the Project, prior to entry onto the ROW for any purpose.

8. **Indemnification.**

(a) CITY

To the fullest extent of the law, CITY shall indemnify, defend and hold harmless MTS, its Board, officers, directors, agents, and employees, Rail America, the San Diego and Imperial Valley MTS (SD&IV), the San Diego and Arizona Eastern Railway (SD&AE), San Diego Trolley, Inc. (SDTI), San Diego Transit Corporation (SDTC), any other entity performing maintenance work on the ROW, any other entity providing passenger rail operation services for MTS or SD&AE on the ROW, and any other entity providing dispatch services to MTS or SD&AE for the ROW, their officers, directors, agents and employees ("MTS Indemnitees"), from any and all liability, loss, expense (including reasonable attorney's fees and other defense costs), demands, suits, liens, damages, costs, claims, including, but not limited to, third party claims, claims for bodily injury, death, personal injury, or property damage, that are incurred by or

asserted against the MTS Indemnites arising out of or connected with this CMA, the maintenance of any device or appurtenance implemented under this CMA, and any negligent acts or omissions on the part of the CITY, its Council, officers, agents, contractors, sublicensees, or employees. The requirements as to the types and limits of the insurance coverage to be maintained by the CITY as required by section 8, and any approval of the insurance by MTS and SD&AE, are not intended to and shall not in any manner limit or qualify the liabilities and obligations otherwise assumed by CITY pursuant to this CMA, including but limited to, the provisions concerning indemnification. The duty to indemnify, defend, or hold harmless set forth herein shall not apply if it arises from the MTS Indemnities gross negligence or willful misconduct.

(b) MTS

To the fullest extent of the law, MTS agrees to indemnify defend and hold harmless the CITY and its City Council members, officers, agents, volunteers, contractors, and employees ("City Indemnites"), from any and all liability, loss, expense (including reasonable attorneys' fees and other defense costs) , demands , suits, liens, damages, costs, claims, including but not limited to, claims for bodily injury, death, personal injury, or property damage, that are incurred by or asserted against the CITY Indemnites arising out of or connected with any negligent acts or omissions on the part of MTS, their Boards, officers, agents, contractors, or employees, under or in connection with any work, authority or jurisdiction delegated to MTS under this CMA. MTS shall have no obligation to indemnify any sublicense or invitee of CITY for any reason whatsoever. The duty to indemnify, defend, or hold harmless set forth herein shall not apply if it arises from the City Indemnities gross negligence or willful misconduct.

(c) CONCURRENT NEGLIGENCE

In the event of an act or acts of concurrent negligence which results in the filing of a demand, claim, or complaint against the Parties, each party shall defend and represent itself such that each party shall bear its own costs and attorneys' fees.

9. **Insurance.** The CITY, at its sole cost and expense, shall procure and maintain the following insurance:

(a) General Liability:

- (i) The CITY shall maintain \$15 million of general liability coverage. The CITY is currently self-insured for its general liability coverage up to \$5 million and participates in a large risk pool (CSAC - EINCPE IA) which provides excess coverage from \$5 million to \$15 million. The CITY may opt to place excess coverage outside of CSAC-EINCPEIA with a similar program at any time during this CMA. Upon request by MTS, the CITY shall provide satisfactory evidence that it meets the insurance requirements of this CMA. If the CITY increases the amount of its self -insurance, the CITY shall notify MTS prior to the change in coverage. If MTS feels that the CITY's self-insurance level is insufficient, it shall meet and confer with the CITY. If MTS still feels that the CITY's self-insurance level is insufficient, MTS may require the CITY to

purchase a buffer policy of general liability coverage to reduce the self-insurance amount to a level acceptable to MTS.

- (ii) The coverage described above shall cover bodily injury (including death) and property damage liability, owned and non-owned equipment, and blanket contractual liability.
- (iii) The policies shall not have endorsement limitations relating to operations on or near MTS property.
- (iv) All such policies shall name in the endorsement San Diego Metropolitan Transit System (MTS), San Diego Trolley, Inc. (SDTI), San Diego and Arizona Eastern Railway (SD&AE), San Diego and Imperial Valley MTS (SD&IV), San Diego Transit Corporation (SDTC), and their directors, officers, agents, and employees as additional insureds as their interests may appear.

(b) Automobile Liability

- (i) The CITY shall maintain \$15 million of automobile liability coverage. The CITY is currently self-insured for its automobile liability coverage up to \$5 million and participates in a large risk pool (CSAC-EINCPEIA) which provides excess coverage from \$5 million to \$15 million. The CITY may opt to place excess coverage outside of CSAC-EIA/CPEIA with a similar program at any time during this CMA. Upon request by MTS, the CITY shall provide satisfactory evidence that it meets the insurance requirements of this CMA. If the CITY increases the amount of its self-insurance, the CITY shall notify MTS prior to the change in coverage. If MTS feels that the CITY's self-insurance level is insufficient, it shall meet and confer with the CITY. If MTS still feels that the CITY's self-insurance level is insufficient, MTS may require the CITY to purchase a buffer policy of automobile liability coverage to reduce the self-insurance amount to a level acceptable to MTS.
- (ii) The insurance shall indemnify against loss from liability imposed by law for damages on account of bodily injury, property damage, and personal injury. The automobile coverage shall cover all owned, non-owned and hired automobiles.

(c) Workers Compensation. CITY shall cover or insure under the applicable laws relating to workers' compensation insurance, all of their employees working on or about the Right-of-Way, all in accordance with the "Workers' Compensation and Insurance Act," Division IV of the Labor Code of the State of California and any Acts amendatory thereof. CITY shall provide employers' liability insurance in the amount of not less than two million dollars per accident for bodily injury and disease. By its signature hereunder, CITY certifies that it is aware

of the provisions of Section 3700 of the California Labor Code which requires every employer to be insured against liability for workers compensation or to undertake self-insurance in accordance with the provisions of that code, and it will comply with such provisions in connection with any work performed on the Site. Any persons providing services with or on behalf of the CITY shall be covered by workers' compensation (or qualified self-insurance). CITY waives any rights of subrogation against MTS, SD&AE, or any of their subsidiaries, and the policy form must permit and accept such waiver.

(d) Railroad Protective Insurance. CITY shall remove any exclusions relating to work performed on the rail, right of way, or within 50 feet of the rail, bridge, trestle, track, roadbed, tunnel, underpass, or crossing from its General Liability Coverage for both the self-insured and excess policies or purchase a separate Railroad Protective Liability policy.

(e) For any claims arising out of or connected with this CMA regarding the maintenance of any device or appurtenance implemented under this CMA, and any negligent acts or omissions on the part of the CITY, its Council, officers, agents, contractors, or employees, or the CITY's operations or activities, CITY's insurance shall be primary insurance to MTS, SDTI, SDTC, SD&AE, SD&IV, and their directors, officers, employees, contractors, agents or authorized volunteers. Any insurance, self-insurance or other coverage maintained by MTS, SDTI, SDTC, SD&AE, SD&IV, and their directors, officers, employees, agents or authorized volunteers shall not contribute to it. All policies and coverages shall contain a provision for 30 days written notice by the Insurer(s) to the MTS Contracts Specialist of any cancellation or material reduction of coverage. A ten-day notice is required for non-payment of premium.

(f) The CITY shall insure that every contractor or subcontractor retained to perform the construction or maintenance of the Project, who enters upon, uses, or performs any work upon the ROW by or on behalf of CITY shall provide to MTS evidence of insurance as follows:

(i) Commercial General Liability. At all times during this contract and, with respect to Products and Completed Operations Liability, for 12 months following the acceptance of the work by MTS, Contractor agrees to maintain Commercial General Liability Insurance for bodily injury and property damage in an occurrence form and with insurance companies acceptable to MTS with minimum policy limits of \$5 million dollars (per occurrence) for any general contractor and \$3 million dollars (per occurrence) for any sub-contractors. Commercial General Liability Insurance must include coverage for the following:

- Premises/Operations Liability
- Aggregate Limits per Project
- Products/Completed Operations Liability
- No Explosion, Collapse, and Underground (XCU) exclusion
- Contractual Liability, with respect to this agreement
- Personal Injury Liability
- Broad Form Property Damage

- Independent Contractors

All such policies shall name in the endorsement San Diego Metropolitan Transit System (MTS), San Diego Trolley, Inc. (SDTI), San Diego and Arizona Eastern Railway (SD&AE), San Diego and Imperial Valley MTS (SD& IV), San Diego Transit Corporation (SDTC), the City of San Diego (CITY), and their directors, officers, agents, and employees as additional insureds as their interests may appear. All general liability coverages required under this Section 9(f) are PRIMARY and that any insurance of MTS, SDTL SD&AE, SD&IV, SDTC, and the CITY shall be excess and noncontributory (endorsement required).

Automobile Liability. At all times during this contract. Contractor agrees to maintain Automobile Liability Insurance for bodily injury and property damage including coverage for all owned, non owned and hired vehicles at a minimum policy limit of \$5 million dollars. All such policies shall name in the endorsement San Diego Metropolitan Transit System (MTS), San Diego Trolley, Inc. (SDTI), San Diego and Arizona Eastern Railway (SD&AE), San Diego and Imperial Valley MTS (SD&IV), San Diego Transit Corporation (SDTC), the City of San Diego (CITY), and their directors, officers, agents, and employees as additional insureds as their interests may appear.

- (i) Workers' Compensation/Employer Liability. At all times during this contract, Contractor agrees to maintain Workers' Compensation and Employers' Liability Insurance in compliance with the applicable statutory requirements at a minimum policy limit of \$1 million dollars. Contractor waives any rights of subrogation against MTS, SDTI, SD&AE, SD&IV, SDTC, and the CITY and the policy form must permit and accept such waiver.
- (ii) MTS Protective Insurance. Remove any exclusions relating to performance of operations within the vicinity of any MTS, bridge, trestle, track, roadbed, tunnel, underpass, or crossing from its General Liability Coverage, or purchase a separate MTS Protective policy in the amount of \$5,000,000 in the name of MTS.
- (iii) All policies and coverages shall contain a provision for 30 days written notice by the Insurer(s) to MTS of any cancellation or material reduction of coverage. A ten-day notice is required for non-payment of premium.

10. **Co-operation in Defense of Claims.** The Parties agree to co-operate in good faith to seek a prompt disposition, by way of dismissal or summary judgment, of any claim or litigation alleging liability of any party to this CMA, based on the construction, maintenance or operation of the Project.

11. Default; Termination.

(a) In the event that CITY fails to perform any obligation under this CMA, CITY shall pay all costs and expenses incurred by MTS in obtaining performance of such obligations, including costs of suit and reasonable attorney's fees. If CITY uses the ROW for any purpose not expressly authorized by this CMA or fails to act strictly in accordance with the terms and conditions of this CMA, and if such default is not corrected within 30 days' notice or from the time when a public works contract has been approved by the City to cure such default, only then may MTS prevent CITY from entering the ROW until the default is corrected. If MTS determines that any default by CITY does or has the reasonable potential to cause a danger to the ROW, light rail vehicle operations, or MTS operations, and CITY unreasonably fails or refuses without reasonable cause to timely correct the default, MTS may perform such work as is reasonable and necessary to remedy the danger, and CITY shall reimburse MTS for all reasonable and directly related costs to cure the default. If CITY fails or refuses to correct any default after such notice, or refuses to timely reimburse MTS for the work required to remedy the danger, MTS may, upon thirty (30) days' additional notice and in addition to any other remedy provided by law, terminate this CMA and prevent CITY from entering the ROW thereafter. MTS agrees that the CITY, in order to cure any default, may be required to competitively bid the work under the California Public Contract Code or other applicable statute or regulation, and that such time to process and approve a public works contract will be added to the time allowed to cure a default.

(b) In the event MTS fails to perform any of its obligations under this CMA. CITY shall give MTS written notice of the nature of the default and the steps required to remedy the default. If the default is not cured within thirty (30) days of the delivery of CITY's notice, CITY may proceed to enforce its rights and protect its interests under this CMA. MTS shall pay all costs and expenses incurred by CITY in obtaining performance of the obligations, and protecting CITY's interests hereunder, including costs of suit and reasonable attorney's fees. In no case will any enforcement action modify the ownership or operation of the ROW.

(c) This CMA may be terminated at any time by either party upon one hundred twenty (120) days' notice in writing to be served upon the other party, stating therein the date that such termination shall take place, and that upon the termination of this CMA in this or any other manner herein provided. CITY, upon demand of MTS, shall abandon the ROW and the use of the Project, remove any improvements constructed, installed or maintained on the ROW for the Project, and restore the ROW and any other improvements or facilities within said ROW, whether owned by MTS or others, to their original condition in which they were prior to the installation of the Project. In case CITY fails to restore MTS's ROW and improvements or facilities as aforementioned within ten (10) days after the effective date of termination (or other time period approved by MTS), MTS may proceed with such work at the expense of CITY. No termination hereof shall release CITY from any liability or obligation hereunder, whether of indemnity or otherwise, resulting from any acts, omissions, or events happening prior to the date the Project is removed and the ROW of MTS restored as above provided.

(d) Termination of this CMA shall not release either party from any liability or obligation hereunder resulting from an event which occurred before termination.

12. Notices. All notices to be given under this CMA shall be in writing and either:

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(a) Sent by a nationally recognized overnight courier, in which case notice shall be deemed delivered upon actual receipt or one (1) business day after deposit with this courier, whichever occurs first: or

(b) Sent by telecopy or similar means, if a copy of the notice is also sent by United States Mail, in which case notice shall be deemed delivered on transmittal by facsimile provided that a transmission report is generated reflecting the accurate transmission of the notice, as follows:

San Diego Metropolitan Transit System
San Diego and Arizona Eastern Railway
1255 Imperial Avenue, Suite 1000
San Diego, CA 92101
Attn: Manager of Real Estate Assets
Tel: 619-595-4903

City of National City
City Manager's Office
1243 National City Blvd.
National City, CA 91950
Tel: 619-336-4241

Copy to: Barry Shultz
City Attorney
1243 National City Blvd.
National City, CA 91950
Tel: 619-336-4241

These addresses may be changed by written notice to the other Parties provided that no notice of a change of address shall be effective until actual receipt by the Parties of the notice. Copies of notices, if any are so indicated, are for informational purposes only, and a failure to give or receive copies of any notice shall not be deemed a failure to give notice.

13. **Waiver.** Any Party's failure to enforce or exercise its rights with respect to any provision hereof shall not be construed as a waiver of such rights or of such provision.

14. **Laws, Venue, and Attorneys' Fees.** This CMA shall be interpreted in accordance with the laws of the State of California. If any action is brought to interpret or enforce any term of this CMA the action shall be brought in a state or federal court situated in the County of San Diego, State of California. In the event of any claim, legal action or proceeding between the parties arising under or concerning this CMA, the prevailing party(ies) shall be entitled to reasonable attorney fees and expenses as part of the judgment resulting there from.

15. Dispute Resolution.

(a) The Parties agree that they shall first meet, through their senior staff representatives, to attempt to informally resolve any dispute that arises under this CMA.

(b) If the informal efforts are unsuccessful, then the Parties agree to participate in mediation. Within five (5) business days of the request of any party, the parties shall mutually agree on the person or alternative dispute resolution agency to conduct the mediation. If the Parties are unable to agree on the person or alternative dispute resolution agency to conduct the mediation, the initiating party may arrange for the office of the American Arbitration Association in downtown San Diego, California, to perform the mediation. The initiating party shall then schedule the mediation so that it is conducted within five (5) business days of the mediator's appointment. The costs of the mediation and fees of the mediator, if any, shall be shared equally by the Parties.

(c) Any dispute not resolved through the mediation required by paragraph (b) of this Section, may proceed to litigation unless the Parties agree in writing to submit the dispute to binding arbitration.

IN WITNESS WHEREOF, the parties hereto have caused this CMA to be executed by and through their respective officers thereunto duly authorized on the date written below their signatures.

SAN DIEGO METROPOLITAN TRANSIT SYSTEM

By: _____

DATED _____

As to Form:

Counsel to MTS

City of National City

City Manager

As to Form:

Barry Shultz

City Attorney

List of Exhibits

- A. Bayshore Bikeway Schematic Plans for Construction
- B. Depiction of License on Right of Way

BAYSHORE BIKEWAY SEGMENT 5

National City

GENERAL NOTES

APPROVAL OF THESE PLANS BY THE CITY ENGINEER OF THE CITY OF NATIONAL CITY DOES NOT CONSTITUTE CERTIFICATION OF THE PROJECT AS A WHOLE, IN TERMS OF COMPLETENESS, ACCURACY, DESIGN, AND CONSTRUCTION STANDARDS. APPROVED STANDARDS: PUBLIC WORKS SDSRD. IT IS THE RESPONSIBILITY OF THE ENGINEER-OF-WORK TO EXERCISE CONTROL OVER THE DESIGN OF THE PROJECT.

- A PERMIT SHALL BE OBTAINED FROM THE ENGINEERING DEPARTMENT FOR ALL IMPROVEMENT WORK WITHIN THE PUBLIC RIGHT-OF-WAY AND ALL GRADING OPERATIONS ON PRIVATE PROPERTY.
- APPROVAL OF THESE PLANS BY THE CITY OF NATIONAL CITY DOES NOT AUTHORIZE ANY WORK OR GRADING TO BE PERFORMED UNTIL A VALID PERMIT HAS BEEN ISSUED.
- NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE GRADING ORDINANCE AND NOTWITHSTANDING THE APPROVAL OF THESE PLANS, THE CONTRACTOR IS RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO THE ADJACENT PROPERTY. NO PERSON SHALL EXCAVATE ON LAND SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY ADJOINING PUBLIC STREET, SIDEWALK, ALLEY OR ANY OTHER PUBLIC OR PRIVATE PROPERTY WITHOUT SUPPORTING AND PROTECTING SUCH PROPERTY FROM SETTLING, CRACKING, EROSION, SILTING, SCOUR OR THE DAMAGE WHICH MIGHT RESULT FROM THE GRADING DESCRIBED ON THESE PLANS.

- THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK. NOTICE OF PROPOSED WORK SHALL BE GIVEN TO THE FOLLOWING AGENCIES:
UNDERGROUND SERVICE ALERT 1-800-227-2600
AT&T (858) 268-2062
CITY OF NATIONAL CITY PUBLIC WORKS DEPARTMENT (619) 336-4380
COX COMMUNICATIONS (619) 266-5038
CROWN CASTLE (760) 224-5264
SAN DIEGO GAS AND ELECTRIC (858) 547-2009
SWEETWATER AUTHORITY (619) 409-6751

- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL SUBSTRUCTURES WHETHER SHOWN OR NOT AND PROTECT THEM FROM DAMAGE. THE EXPENSE OF REPAIR OR REPLACEMENT OF SAID SUBSTRUCTURES SHALL BE BORN BY THE CONTRACTOR.
- THE ENGINEER-OF-WORK SHALL BE NOTIFIED WHEN CONSTRUCTION COMMENCES AND ANY CHANGES OR ADDITIONS ARE MADE DURING THE PROGRESS OF CONSTRUCTION. A REPORT CONFIRMING THIS, SIGNED BY THE REGISTERED SOILS ENGINEER, SHALL BE SUBMITTED TO THE CITY'S ENGINEERING DEPARTMENT AT THE COMPLETION OF THE PROJECT SPECIFICS.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE ENGINEER OF RECORD PRIOR TO COMMENCING DEMOLITION OF ANY MONUMENTATION AND/OR BENCHMARKS, OF ALLOWING ENGINEER'S SURVEYOR OF LOCATING MONUMENTATION AND/OR BENCHMARKS PRIOR TO DEMOLITION, AND OF NOTIFYING ENGINEER AFTER CONSTRUCTION IS COMPLETE. MONUMENTATION SHALL BE OFF-SET, PROTECT AND REPLACE IF DISTURBED.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE CITY ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

- CONTRACTOR WILL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
- LOCATION AND ELEVATION OF IMPROVEMENTS OF WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO CONSTRUCTION OF NEW WORK.

- BEFORE EXCAVATING, VERIFY LOCATION OF UNDERGROUND UTILITIES. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWING LOCATION OF UTILITIES WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS, TO THE BEST OF OUR KNOWLEDGE THERE ARE NO OTHER EXISTING UTILITIES EXCEPT AS SHOWN ON THE PLANS.

- NITHER THE OWNER NOR THE CITY ENGINEER-OF-WORK WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
- INSPECTION NOTES: NO WORK SHALL BE COMMENCED ON THE SITE PRIOR TO A PRE-CONSTRUCTION MEETING WITH THE ENGINEERING DEPARTMENT. CALL THE CITY CONSTRUCTION ENGINEER AT (619) 336-4380 TO SCHEDULE A MEETING.

- ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE, OR RUNNING OF TRUCKS, EARTHMOVING EQUIPMENT, CONSTRUCTION EQUIPMENT, AND ANY OTHER ASSOCIATED EQUIPMENT SHALL BE LIMITED TO THE PERIOD BETWEEN 7:00 A.M. AND 5:00 P.M. EACH DAY, MONDAY THROUGH FRIDAY, UNLESS OTHERWISE NOTED. PRIOR APPROVAL OF THE CITY ENGINEER WILL BE REQUIRED FOR WORK BEFORE 7:00 A.M. AND AFTER 5:00 P.M.
- STRUCTURAL SECTIONS OF THE STREET IMPROVEMENTS SHALL BE PER PLAN, BUT NOT LESS THAN THE MINIMUM REQUIREMENTS PER NATIONAL CITY STANDARD DRAWING NO. 113-S-B.

- THE ASPHALT CONCRETE PAVEMENT SHALL BE INSTALLED IN A MINIMUM OF TWO LIFTS. THE FINAL LIFT SHALL BE AT LEAST 2 INCHES THICK AND SHALL BE PAVED AFTER COMPLETION OF ALL STRUCTURES.
- CHANGE ORDER: CHANGE ORDERS SHALL BE REQUESTED IN WRITING USING THE CITY OF NATIONAL CITY STANDARD FORM AND ATTACHED WITH PLANS SHOWING IN RED THE REVISIONS FOR APPROVAL.

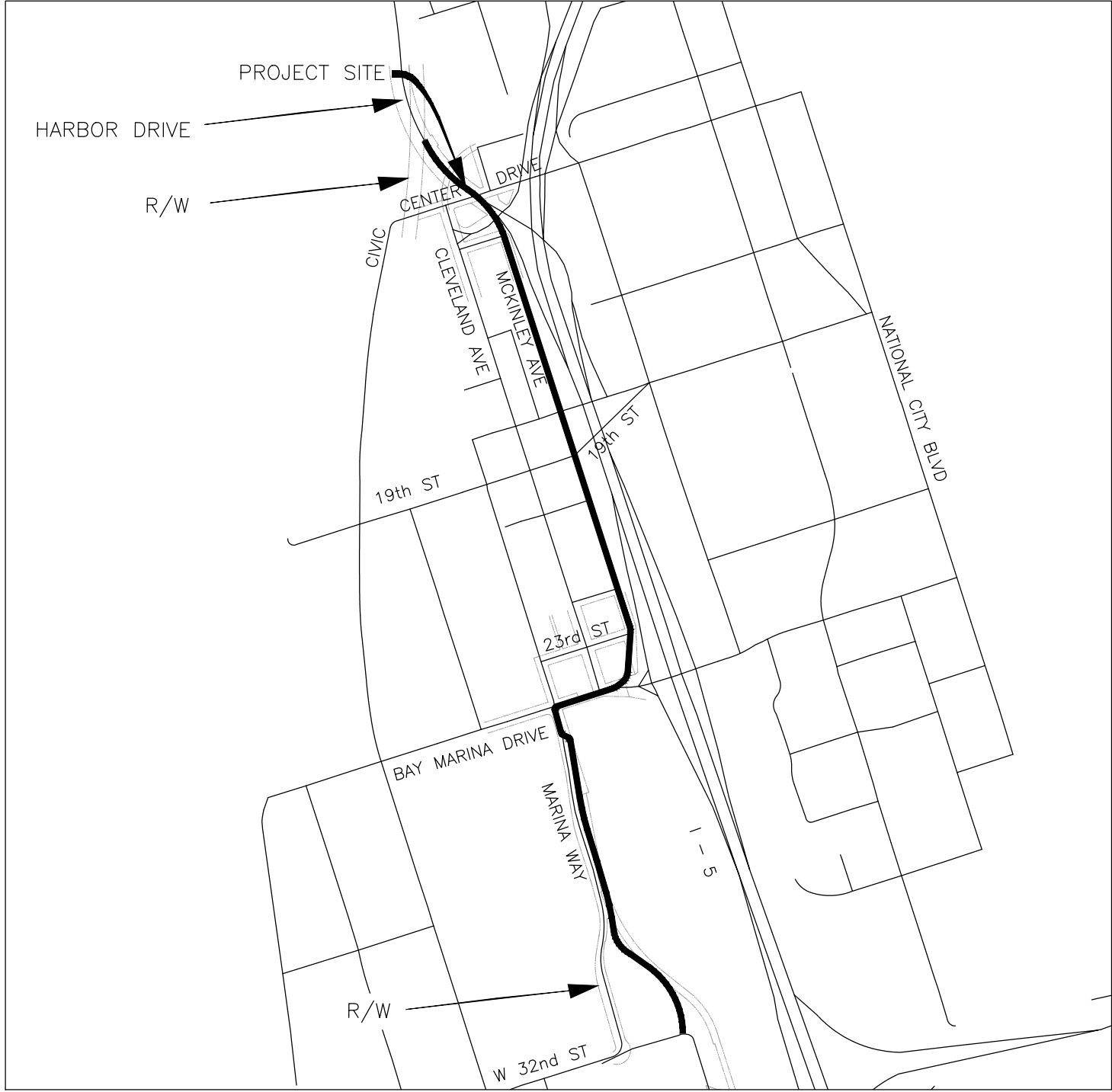
- PUBLIC WATER SYSTEM IMPROVEMENTS SHALL BE INSTALLED IN ACCORDANCE WITH SWEETWATER AUTHORITY'S DESIGN STANDARDS AND STANDARD SPECIFICATIONS FOR CONSTRUCTION OF WATER FACILITIES. PUBLIC WATER SYSTEM SHALL BE MAINTAINED AND OPERATED BY SWEETWATER AUTHORITY.

- FOR ALL WORK INSIDE CALTRANS RIGHT OF WAY, THE LATEST CALTRANS STANDARD PLANS AND SPECIFICATIONS WILL BE ADHERED TO.

- CONTRACTOR SHALL NOTIFY BNSF MANAGER OF PUBLIC PROJECTS PRIOR TO ANY WORK WITHIN BNSF RIGHT-OF-WAY OR ANY WORK AFFECTING GRADE CROSSING OPERATIONS.

UTILITY NOTES

- THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS WAS DETERMINED FROM A SEARCH OF AVAILABLE PUBLIC RECORDS. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE POSSIBLE EXISTENCE OF UNDERGROUND FACILITIES NOT SHOWN OR IN A LOCATION DIFFERENT FROM THAT SHOWN ON THE PLANS. THE CONTRACTOR SHALL DETERMINE THE LOCATION AND DEPTH OF ALL UTILITIES, INCLUDING SERVICE CONNECTIONS, THAT MAY AFFECT OR BE AFFECTED BY HIS OPERATIONS AND SHALL TAKE ADEQUATE MEASURES TO PROTECT THE UNDERGROUND UTILITIES SHOWN ON THE PLANS AND THOSE FACILITIES ENCOUNTERED DURING CONSTRUCTION BUT NOT SHOWN ON THE PLANS.
- PURSUANT TO STATE LAW, CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT 1-800-227-2600 NOT LESS THAN TWO (2) WORKING DAYS PRIOR TO CONDUCTING ANY EXCAVATION WORK ON THIS PROJECT. THIS REQUIREMENT SHALL EXTEND TO EXCAVATION WORK CONDUCTED WITHIN PUBLIC RIGHT-OF-WAY AND TO EXCAVATION WORK CONDUCTED ON PRIVATE PROPERTY. THE CONTRACTOR SHALL MARK OUT THE APPROXIMATE LIMITS OF THE PROPOSED EXCAVATION PRIOR TO CALLING USA TO ASSIST THE EXISTING UTILITY OWNERS IN UNDERSTANDING THE LIMITS OF THE REQUIRED PREMARK SERVICES.
- EXISTING UTILITIES IN CONFLICT WITH THE PROPOSED WORK SHALL BE REMOVED, RELOCATED, OR ADJUSTED BY THEIR RESPECTIVE OWNERS UNLESS OTHERWISE SPECIFIED. THE CONTRACTOR IS REFERRED TO SECTION 4 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING FACILITIES (BELOW GROUND AND ABOVE GROUND) WITHIN THE PROJECT SITE SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT THE REVISION OF THE CONSTRUCTION PLANS IF IT IS FOUND THAT ACTUAL LOCATIONS ARE IN CONFLICT WITH THE PROPOSED WORK. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL MAINTAIN THE SERVICE OF ALL EXISTING WATER AND SEWER UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING WATER AND SEWER MAINS DURING CONSTRUCTION, AND SHALL HAVE SUFFICIENT PIPELINE MATERIALS AND EQUIPMENT ON-SITE TO IMMEDIATELY REPAIR ANY DAMAGE TO EXISTING MAINS. CONTRACTOR IS RESPONSIBLE TO REPLACE OR REPAIR ANY DAMAGE, PRIVATE OR PUBLIC.



LOCATION MAP

NO SCALE



UTILITY NOTES (continued)

- BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES BY CONTACTING EACH OF THE FOLLOWING, 48 HOURS PRIOR TO COMMENCING WORK:

UNDERGROUND SERVICE ALERT	1-800-227-2600
CABLE TELEVISION: (COX COMMUNICATIONS)	(619) 266-5038
FIBER OPTICS: (CROWN CASTLE)	(760) 224-5264
GAS & ELECTRIC: (SDG&E)	(858) 547-2009
SEWER, STORM, STREET LIGHT, & TRAFFIC SIGNAL: (CITY OF NATIONAL CITY)	(619) 336-4380
TELEPHONE: (AT&T)	(858) 268-2062
WATER: (SWEETWATER AUTHORITY)	(619) 409-6751

ASPHALT CONCRETE, PORTLAND CEMENT CONCRETE, TRENCH BACKFILL + COMPACTION

- EXISTING PAVEMENT WILL BE SAWCUT AT ALL LOCATIONS THAT JOIN WITH PROPOSED IMPROVEMENTS.
- ASPHALT CONCRETE SECTIONS GREATER THAN 3" SHALL BE LAID IN TWO LIFTS MINIMUM AND SHALL BE COMPRISED OF AN AC BASE AND A SURFACE COURSE. AC FOR THE BASE COURSE SHALL BE CLASS B-PG 64-10 (3/4"). AC FOR THE SURFACE COURSE SHALL BE CLASS C2-PG 64-10 (1/2"). SURFACE COURSE SHALL BE 2" THICK MINIMUM.
- STRUCTURAL SECTIONS OF THE STREET IMPROVEMENTS SHALL BE PER PLAN, BUT NOT LESS THAN THE MINIMUM REQUIREMENTS PER NATIONAL CITY STANDARD DRAWING NO. 113-S-B.
- THE UPPER 6" OF THE TRENCH OR PAVEMENT SECTION MEASURED FROM THE BOTTOM OF THE BASE COURSE SHALL BE COMPACTED TO A RELATIVE COMPACTION OF 95 PERCENT OF MAXIMUM DRY DENSITY.

GRADING NOTES

DUMPING AND STOCKPILING IS PROHIBITED IN NATIONAL CITY. ALL MATERIAL EXCAVATED AND REMOVED FROM THE SITE. NO EXCEPTIONS.

- ALL GRADING, TESTING AND OBSERVATION SHALL BE DONE IN ACCORDANCE WITH APPENDIX "J" OF THE CALIFORNIA BUILDING CODE AND CHAPTER 15.70 OF THE NATIONAL CITY MUNICIPAL CODE.
- THE STANDARD TEST USED TO DEFINE THE MAXIMUM DENSITY OF ALL COMPACTION WORK SHALL BE PER ASTM D-1557-91 PER SPECIFICATION 301-1.3. ALL DENSITIES SHALL BE EXPRESSED AS A RELATIVE COMPACTION IN THE FOREGOING STANDARD PROCEDURE.
- CLEARING, GRUBBING, AND PREPARING AREAS TO BE FILLED
 - ANY TREES NOT UTILIZED IN LANDSCAPING, ABANDONED STRUCTURES, WEEDS, TREE STUMPS AND ANY OTHER RUBBISH SHALL BE REMOVED, FILLED OR OTHERWISE DISPOSED OF SO AS TO LEAVE THE AREAS THAT HAVE BEEN DISTURBED WITH A NEAT AND FINISHED APPEARANCE, FREE FROM UNSIGHTLY DEBRIS.
 - ALL VEGETABLE MATTER AND SOIL DESIGNATED AS UNSUITABLE BY THE SOILS ENGINEER SHALL BE REMOVED UNDER THE DIRECTION OF THE SOILS ENGINEER. ALL EXPOSED SURFACES SHALL BE PLOWED OR SCARIFIED TO A DEPTH OF AT LEAST EIGHT INCHES, UNTIL THE SURFACE IS FREE FROM RUTS, HUMMOCKS, OR THE UNEVEN FEATURES WHICH WOULD TEND TO PREVENT UNIFORM COMPACTION BY THE EQUIPMENT TO BE USED.
 - WHERE FILL IS TO BE PLACED, CARE SHOULD BE TAKEN THAT ANY EXISTING UNCOMPACTED SOILS BE REMOVED AND THAT NATURAL GROUND SHALL BE SCARIFIED AT LEAST EIGHT INCHES AND COMPACTED AT LEAST 90% OF MAXIMUM DENSITY. FILL SOILS SHOULD BE COMPACTED AT LEAST 90% PAVEMENT BASE COURSE MATERIAL SHOULD BE COMPACTED AT LEAST 95%.

GRADING NOTES (continued)

- MATERIALS
 - THE MATERIALS FOR THE FILL SHALL BE APPROVED BY THE SOILS ENGINEER BEFORE COMMENCEMENT OF GRADING OPERATIONS, OR THEIR IMPORT.
- PLACING, SPREADING AND COMPACTION OF FILL MATERIAL
 - THE SELECTED FILL MATERIAL SHALL BE PLACED IN LAYERS WHICH WHEN COMPACTED SHALL ALLOW ADEQUATE BONDING AND COMPACTION.
 - WHEN MOISTURE CONTENT OF THE FILL MATERIAL IS BELOW THAT SPECIFIED BY THE SOILS ENGINEER, WATER SHALL BE ADDED UNTIL THE MOISTURE CONTENT IS AS SPECIFIED TO ASSURE THOROUGH BONDING DURING THE COMPACTION PROCESS. WHEN THE MOISTURE CONTENT OF THE FILL MATERIAL IS ABOVE THAT SPECIFIED BY THE SOILS ENGINEER, THE FILL MATERIAL SHALL BE AERATED BY BLADING OR OTHER SATISFACTORY METHODS UNTIL THE MOISTURE CONTENT IS AS SPECIFIED.
 - AFTER EACH LAYER HAS BEEN PLACED, MIXED, AND SPREAD EVENLY, IT SHALL BE THOROUGHLY COMPACTED TO A RELATIVE COMPACTION OF NOT LESS THAN 90%.
 - FIELD DENSITY TEST SHALL BE MADE BY THE SOILS ENGINEER, WHERE SHEEPSFOOT ROLLERS ARE USED. THE SOIL MAY BE DISTURBED TO A DEPTH OF SEVERAL INCHES. DENSITY TEST SHALL BE TAKEN IN COMPACTED MATERIAL BELOW THE DISTURBED SURFACE. WHEN THESE TEST INDICATE THAT THE DENSITY OF ANY LAYER OF FILL OR PORTION THEREOF IS BELOW THE REQUIRED 90% DENSITY, THE PARTICULAR LAYER OR PORTION SHALL BE REWORKED UNTIL THE REQUIRED DENSITY HAS BEEN OBTAINED.
 - EXPANSIVE SOIL ENCOUNTERED IN CUT AREAS SHALL NOT BE PLACED WITHIN THE UPPER 2 FEET OF ANY FILLS. THE POTENTIAL EXPANSIVE SOILS MAY BE SPREAD THROUGHOUT THE LOWER PORTIONS OF THE FILLS.
- DISPOSAL OF OVERSIZE ROCKS
 - OVERSIZE ROCK SHALL BE EXPORTED FROM THE SITE, USED FOR LANDSCAPING PURPOSES, OR PLACED IN DESIGNATED NON-STRUCTURAL FILL AREAS.
- ENGINEERING OBSERVATION
 - FIELD OBSERVATION BY SOILS ENGINEER SHALL BE MADE DURING THE FILL AND COMPACTION OPERATION SO THAT HE CAN EXPRESS HIS OPINION REGARDING THE CONFORMANCE OF THE ACCEPTED SPECIFICATIONS.
- SEASONAL LIMITS
 - NO FILL SHALL BE PLACED, SPREAD, OR ROLLED WHILE IT IS IN AN UNSUITABLE HIGH MOISTURE CONTENT. NOR DURING UNFAVORABLE WEATHER CONDITIONS. WHEN THE WORK IS INTERRUPTED BY HEAVY RAIN, OPERATIONS SHALL NOT BE RESUMED UNTIL FIELD TEST BY THE SOILS ENGINEER INDICATE THAT THE MOISTURE CONTENT AND DENSITY OF FILL ARE AS PREVIOUSLY SPECIFIED.
- GRADING TOLERANCE
 - THE ACCEPTABLE ACCURACY FOR VERTICAL AND HORIZONTAL COMPLIANCE WITH THE DESIGN ON THIS PLAN SHALL BE ACCORDING TO THE STANDARDS SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- THE ASPHALTIC CONCRETE PAVEMENT SECTION IS TO BE DESIGNED BY THE SOILS ENGINEER. AFTER ROUGH GRADE IN THE PARKING AREA AND DRIVE AREA IS ACHIEVED THE SOILS ENGINEER WILL SAMPLE THE SUBGRADE SOILS MATERIAL AND DESIGN THE PAVEMENT SECTION ACCORDINGLY, BUT SUCH DESIGN SHALL MEET THE MINIMUM CITY STANDARDS.
- RECORD DRAWING (AS-BUILT)
 - NOTE TO CONTRACTOR: UPON COMPLETION OF WORK, CONTRACTOR SHALL DELIVER TO THE CITY, AN UP-TO-DATE SET OF (AS-BUILT) RECORD DRAWINGS PREPARED BY THE ENGINEER-OF-WORK. SUCH DRAWINGS SHALL BE BLUEPRINT COPIES OF THE PLANS SHOWING IN RED INK AND IN DETAIL ALL CONSTRUCTION CHANGES, ESPECIALLY DEPTHS OF CONDUIT. UTILITIES SHALL BE DIMENSIONED FROM THE CLOSEST PERMANENT STRUCTURE. ENGINEER-OF-WORK SHALL MAKE CHANGES TO THE ORIGINAL MYLARS ON FILE WITH THE CITY ENGINEER'S OFFICE. ENGINEER-OF-WORK SHALL ALSO PROVIDE SAID AS-BUILTS IN DIGITAL FORMAT (PDF FILE).

- OWNER:
CITY OF NATIONAL CITY
1243 NATIONAL CITY BLVD.
NATIONAL CITY, CA 91950

- CONTRACTOR

- LEGAL DESCRIPTION
CITY RIGHT-OF-WAY ON SWEETWATER ROAD BETWEEN N. 2ND AVENUE & PLAZA BONITA ROAD & ON PLAZA BONITA ROAD BETWEEN SWEETWATER ROAD & THE EXISTING SWEETWATER BIKEWAY ENTERANCE.

- STANDARD DRAWINGS AND SPECIFICATIONS
SAN DIEGO REGIONAL STANDARD DRAWINGS (LATEST EDITION) AND CITY OF NATIONAL CITY STANDARD DRAWINGS, AND THE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION, TOGETHER WITH THE LATEST REGIONAL SUPPLEMENTAL AMENDMENTS.

- SOILS REPORT
BY: LEIGHTON CONSULTING INC.
NO: 13146.001
DATE: MAY 31, 2022

THESE PLANS HAVE BEEN REVIEWED BY THE UNDERSIGNED AND FOUND TO BE IN CONFORMANCE WITH THE RECOMMENDATIONS AND SPECIFICATIONS OUTLINED IN THE SOILS REPORT PREPARED FOR THIS DEVELOPMENT.

BY: _____ DATE: _____

- REFERENCE DRAWINGS
SDG&E DRAWING NO. D2882731 CALTRANS DRAWING NO. 1100020490, 11000204901, CITY OF NATIONAL CITY DRAWING NO. 11-30-99, 10050-10083, 6404-D

- AFTER COMPLETION OF GRADING, THE FOLLOWING STATEMENT SHALL BE EXECUTED BY THE ENGINEER-OF-WORK: "I HEREBY CERTIFY THAT THE GRADING HAS BEEN DONE ACCORDING TO THE SOILS REPORT LISTED IN ITEM 17."

BY: _____

SEAL: _____

DATE: _____

- AFTER THE COMPLETION OF THE PROJECT, THE FOLLOWING STATEMENT SHALL BE EXECUTED BY THE ENGINEER-OF-WORK: "I HEREBY CERTIFY, IN ACCORDANCE WITH SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, THAT ALL OF THE WORK SHOWN ON DRAWINGS _____ THROUGH _____ MARKED "AS-BUILT" HAS BEEN CONSTRUCTED IN CONFORMANCE WITH LINES AND GRADES, AND DETAILS AND SPECIFICATIONS, AS SHOWN ON SAID PLANS AND REFERRED DRAWINGS.

BY: _____

DATE: _____ SEAL: _____

SOURCE OF TOPOGRAPHY

AGUIRRE & ASSOCIATES
8363 CENTER DRIVE #5A, LA MESA, CA 91942
(619) 464-6978



SHEET INDEX

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72 - 90	IRRIGATION PLANS
91 - 105	PLANTING PLANS
106 - 116	WATER POLLUTION CONTROL PLANS
117	HAZARDOUS MATERIALS PLAN

PROJECT DESCRIPTION

CREATION OF NEW SEGMENT OF BIKEWAY BETWEEN E HARBOR DRIVE AND MARINA WAY TO CONNECT WITH EXISTING BAYSHORE BIKEWAY

WORK TO BE DONE

- CLASS IV BIKEWAYS ALONG HARBOR DRIVE, MCKINLEY AVENUE, MARINA WAY, AND BAY MARINA DRIVE
- SIGNING AND STRIPING MODIFICATIONS ON HARBOR DRIVE, MCKINLEY AVE, BAY MARINA DRIVE, MARINA WAY, AND ENTRANCE TO BAYSHORE BIKEWAY
- SIGNAL MODIFICATIONS AT THE INTERSECTIONS OF HARBOR DRIVE AND CIVIC CENTER DRIVE, AND ALONG BAY MARINA DRIVE AT MARINA WAY AND CLEVELAND AVENUE

STANDARD SPECIFICATIONS AND DRAWINGS

- SAN DIEGO AREA REGIONAL STANDARD DRAWINGS (SDRS) (2018 EDITION) WITH APPENDIX "A", (TRAFFIC CONTROL PLANS)
- STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREEN BOOK"), 2015 EDITION, INCLUDING REGIONAL SUPPLEMENT AMENDMENTS.
- CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD) (CURRENT EDITION).
- CITY OF NATIONAL CITY STANDARD DRAWINGS, (CURRENT EDITION).
- SWEETWATER AUTHORITY STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF WATER FACILITIES (WWW.SWEETWATER.ORG)
- CALIFORNIA DEPARTMENT OF TRANSPORTATION U.S. CUSTOMARY STANDARD PLAN, 2018 EDITION

EARTHWORK QUANTITIES

CUT.....3352 CY

FILL.....1166 CY

EXPORT.....2186 CY

Exhibit A

DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF THESE PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF NATIONAL CITY IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

MATTHEW B. CAPUZZI, 69815 _____ DATE _____



PLANS FOR THE IMPROVEMENTS OF:

BAYSHORE BIKEWAY SEGMENT 5

TITLE SHEET

CITY OF NATIONAL CITY

ROBERTO YANO RCE# 56292
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER _____ DATE _____

CIP NO.19-20

SHEET 01 OF 117 SHEETS xxx-xx-D



Plot date: 6/13/2023 3:28:52 PM

ENGINEERING DEPARTMENT	BY	APPROVED	DATE	CONSTRUCTION SURVEYOR		GEOLOGICAL OF RECORD		CONSTRUCTION RECORDS		SURVEYOR: _____ BENCHMARK: _____ HORIZONTAL CONTROL: _____
				NAME	COMPANY	NAME	COMPANY	DATE STARTED: _____	INSPECTOR: _____ DATE COMPLETED: _____	
				SIGNATURE		SIGNATURE				



DIGALERT
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TOLL FREE 1-800-227-2600
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT



NO WORKING DAYS BEFORE YOU DIG

LEGEND

PROPERTY LINE	---
SAWCUT LINE	----
DAYLIGHT LINE	---

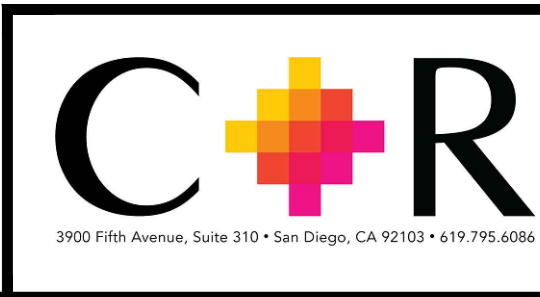
DEMOLITION NOTES


- PROTECT IN PLACE
- ADJUST TO FINISH GRADE
- SAWCUT PER DETAIL ON SHEET 6
- REMOVE VEGETATION, DEBRIS, AND OTHER MATERIAL IN CONFLICT WITH THE PROPOSED IMPROVEMENTS
- REMOVE AND DISPOSE



GENERAL NOTES

- UNLESS OTHERWISE SHOWN ON PLANS, CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS WITHIN GRADING LIMITS AND REMOVE ALL IMPEDANCES FOR THE PROPOSED FACILITIES.
- VERIFY THE EXISTENCE AND HORIZONTAL/VERTICAL LOCATION OF ALL UTILITIES WITHIN THE PROJECT AREA THAT MAY CONFLICT WITH THE PROPOSED CONSTRUCTION. VERIFY THAT ANY UTILITIES SHOWN TO BE RELOCATED BY OTHERS HAVE BEEN RELOCATED AND ARE NO LONGER IN CONFLICT. IMMEDIATELY NOTIFY THE ENGINEER OF ANY REMAINING UTILITY CONFLICTS PRIOR TO THE START OF ANY DEMOLITION WORK.
- PROPOSED IMPROVEMENTS SHOWN FOR REFERENCE ONLY. SEE IMPROVEMENT PLANS FOR PROPOSED IMPROVEMENTS.
- SEE SIGNING AND PAVEMENT MARKING PLANS FOR PAVEMENT MARKINGS, AND TRAFFIC SIGN REMOVALS, RELOCATIONS, AND NEW INSTALLATIONS.
- SEE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL EQUIPMENT REMOVALS, ADJUSTMENTS, RELOCATIONS AND NEW INSTALLATIONS.



DECLARATION OF RESPONSIBLE CHARGE	
I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.	
I UNDERSTAND THAT THE CHECK OF THESE PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF NATIONAL CITY IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.	
MATTHEW B. CAPUZZI, 69815	DATE
	


	
PLANS FOR THE IMPROVEMENTS OF:	
BAYSHORE BIKEWAY SEGMENT 5	
DEMOLITION PLANS	
CITY OF NATIONAL CITY	
ROBERTO YANO RCE# 56292 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER	
DATE	
CIP NO.19-20	
SHEET 09 OF 117 SHEETS	XXXX-XX-----D

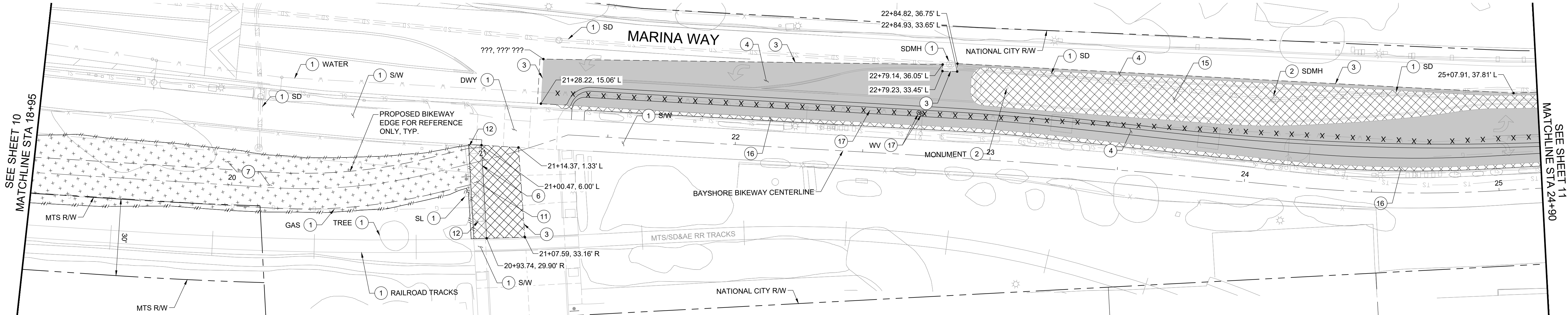
Exhibit A

Plot date: 6/13/2023 3:29:16 PM

SURVEYOR: _____		CONSTRUCTION RECORDS		DATE STARTED: _____		DATE COMPLETED: _____	
BENCHMARK: _____				INSPECTOR: _____			
HORIZONTAL CONTROL: _____				SIGNATURE			
NAME		COMPANY		NAME		COMPANY	
DATE		APPROVED		DATE		APPROVED	
BY				BY			
AS-BUILT				AS-BUILT			
REVISIONS				REVISIONS			

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A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

NO WORKING DAYS BEFORE YOU DIG



LEGEND

PROPERTY LINE	---
SAWCUT LINE	- - - - -
DAYLIGHT LINE	==
UTILITY REMOVAL	X X X X X X X

DEMOLITION NOTES

- 1

PROTECT IN PLACE
- 2

ADJUST TO FINISH GRADE
- 3

SAWCUT PER DETAIL ON SHEET 6
- 4

REMOVE EXISTING ASPHALT PAVEMENT AND BASE
- 6

REMOVE EXISTING CONCRETE CURB AND GUTTER
- 7

REMOVE VEGETATION, DEBRIS, AND OTHER MATERIAL IN CONFLICT WITH PROPOSED IMPROVEMENTS
- 11

REMOVE EXISTING CONCRETE SIDEWALK AND BASE
- 12

REMOVE EXISTING CURB RAMP
- 15

REMOVE EXISTING CONCRETE MEDIAN CURBS, GUTTERS, PCC PAVEMENT, AND BASE
- 16

REMOVE EXISTING CONCRETE GUTTER
- 17

WATER RELOCATION PER SHEET

GENERAL NOTES

1. UNLESS OTHERWISE SHOWN ON PLANS, CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS WITHIN GRADING LIMITS AND REMOVE ALL IMPEDANCES FOR THE PROPOSED FACILITIES.
2. VERIFY THE EXISTENCE AND HORIZONTAL/VERTICAL LOCATION OF ALL UTILITIES WITHIN THE PROJECT AREA THAT MAY CONFLICT WITH THE PROPOSED CONSTRUCTION. VERIFY THAT ANY UTILITIES SHOWN TO BE RELOCATED BY OTHERS HAVE BEEN RELOCATED AND ARE NO LONGER IN CONFLICT. IMMEDIATELY NOTIFY THE ENGINEER OF ANY REMAINING UTILITY CONFLICTS PRIOR TO THE START OF ANY DEMOLITION WORK.
3. PROPOSED IMPROVEMENTS SHOWN FOR REFERENCE ONLY. SEE IMPROVEMENT PLANS FOR PROPOSED IMPROVEMENTS.
4. SEE SIGNING AND PAVEMENT MARKING PLANS FOR PAVEMENT MARKINGS, AND TRAFFIC SIGN REMOVALS, RELOCATIONS, AND NEW INSTALLATIONS.
5. SEE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL EQUIPMENT REMOVALS, ADJUSTMENTS, RELOCATIONS AND NEW INSTALLATIONS.

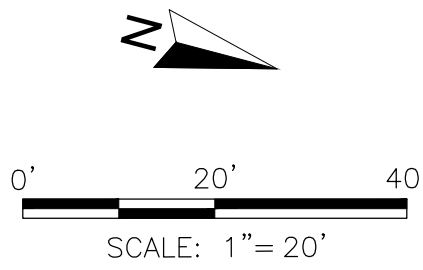
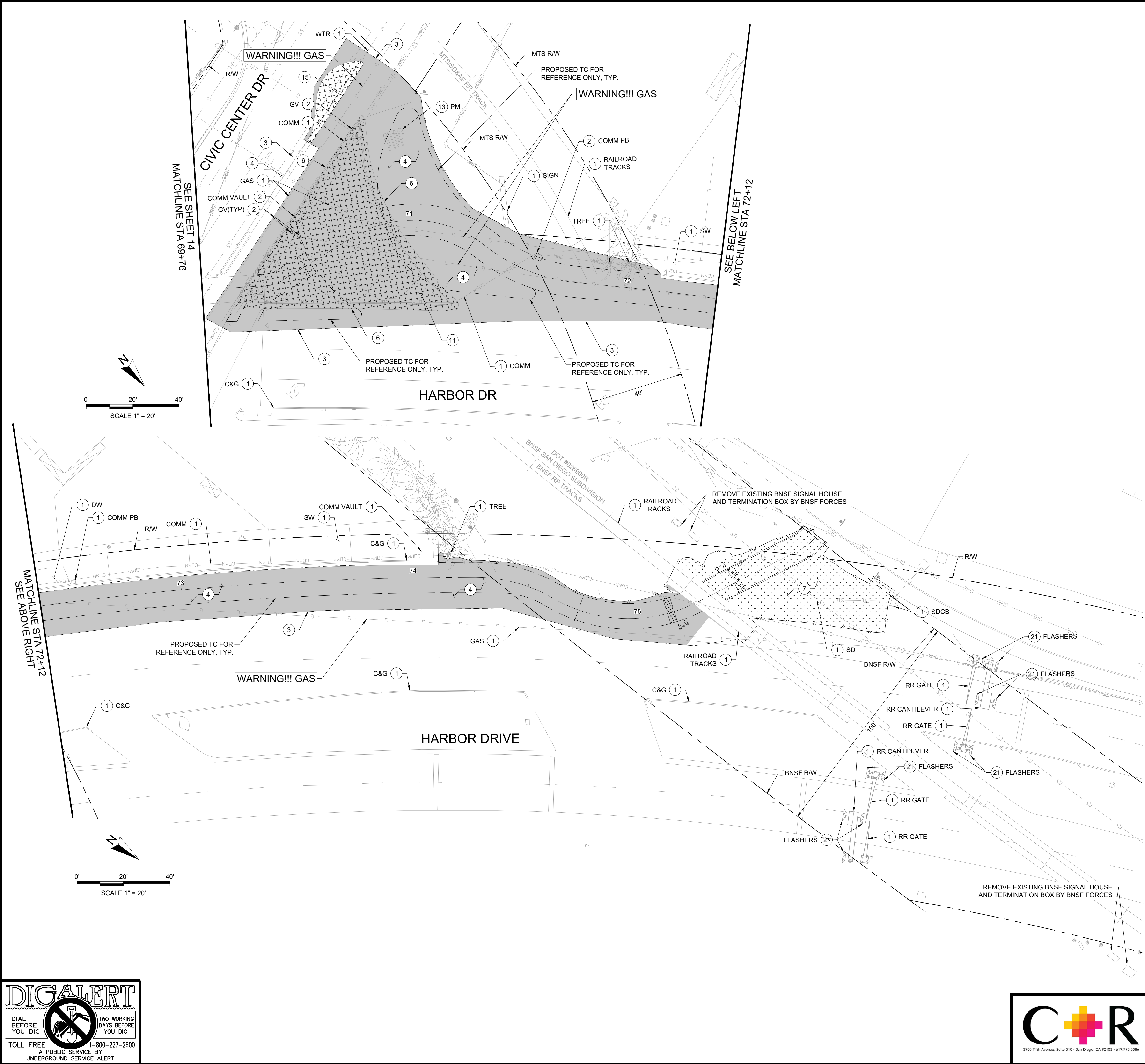


Exhibit A



DECLARATION OF RESPONSIBLE CHARGE		PLANS FOR THE IMPROVEMENTS OF:	
I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.		BAYSHORE BIKEWAY SEGMENT 5	
I UNDERSTAND THAT THE CHECK OF THESE PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF NATIONAL CITY IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.		DEMOLITION PLANS	
MATTHEW B. CAPUZZI, 69815		CITY OF NATIONAL CITY	
DATE		DATE	
		ROBERTO YANO RCE# 56292 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER	
		CIP NO.19-20	
SHEET 10 OF 117 SHEETS		xxxx-xx-####D	

SURVEYOR: _____		BENCHMARK: _____		HORIZONTAL CONTROL: _____	
CONSTRUCTION RECORDS		DATE STARTED: _____		INSPECTOR: _____	
CONSTRUCTION SURVEYOR		DATE COMPLETED: _____		DATE COMPLETED: _____	
GEOLOGICAL OF RECORD		NAME _____		COMPANY _____	
CONSTRUCTION SURVEYOR		NAME _____		COMPANY _____	
BY _____		DATE _____		DATE _____	
AS-BUILT _____		DATE _____		DATE _____	
REVISIONS _____		DATE _____		DATE _____	
ENGINEERING DEPARTMENT		DATE _____		DATE _____	



LEGEND

- PROPERTY LINE
SAWCUT LINE
DAYLIGHT LINE

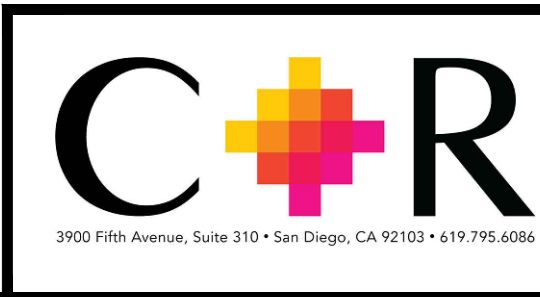
DEMOLITION NOTES

- 1 PROTECT IN PLACE
- 2 ADJUST TO FINISH GRADE
- 3 SAWCUT PER DETAIL ON SHEET 5
- 4 REMOVE EXISTING ASPHALT PAVEMENT AND BASE
- 6 REMOVE EXISTING CONCRETE CURB AND GUTTER
- 7 REMOVE VEGETATION, DEBRIS, AND OTHER MATERIAL IN CONFLICT WITH THE PROPOSED IMPROVEMENTS
- 10 REMOVE EXISTING TREE
- 11 REMOVE EXISTING CONCRETE SIDEWALK AND BASE
- 12 REMOVE EXISTING CURB RAMP
- 13 REMOVE AND DISPOSE
- 14 SAWCUT EXISTING SIDEWALK AT NEAREST JOINT
- 15 REMOVE EXISTING CONCRETE MEDIAN CURBS, GUTTERS, PCC PAVEMENT, AND BASE
- 21 REPLACE EXISTING RAILROAD FLASHERS WITH LED RAILROAD FLASHERS BY BNSF FORCES

GENERAL NOTES

1. UNLESS OTHERWISE SHOWN ON PLANS, CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS WITHIN GRADING LIMITS AND REMOVE ALL IMPEDANCES FOR THE PROPOSED FACILITIES.
2. VERIFY THE EXISTENCE AND HORIZONTAL/VERTICAL LOCATION OF ALL UTILITIES WITHIN THE PROJECT AREA THAT MAY CONFLICT WITH THE PROPOSED CONSTRUCTION. VERIFY THAT ANY UTILITIES SHOWN TO BE RELOCATED BY OTHERS HAVE BEEN RELOCATED AND ARE NO LONGER IN CONFLICT. IMMEDIATELY NOTIFY THE ENGINEER OF ANY REMAINING UTILITY CONFLICTS PRIOR TO THE START OF ANY DEMOLITION WORK.
3. CONTRACTOR SHALL MAINTAIN EXISTING ELECTRICAL CIRCUITS FOR EQUIPMENT NOT REMOVED DURING DEMOLITION.
4. EXISTING STREET LIGHTS AND TRAFFIC SIGNALS SHALL REMAIN IN OPERATION UNTIL NEW SYSTEMS ARE OPERATIONAL. SEE ELECTRICAL PLANS FOR LIGHTING IMPROVEMENTS. SEE SIGNAL PLANS FOR SIGNAL IMPROVEMENTS.
5. PROPOSED IMPROVEMENTS SHOWN FOR REFERENCE ONLY. SEE IMPROVEMENT PLANS FOR PROPOSED IMPROVEMENTS.
6. SEE SIGNING AND PAVEMENT MARKING PLANS FOR PAVEMENT MARKINGS, AND TRAFFIC SIGN REMOVALS, RELOCATIONS, AND NEW INSTALLATIONS.
7. SEE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL EQUIPMENT REMOVALS, ADJUSTMENTS, RELOCATIONS AND NEW INSTALLATIONS.
8. CONTRACTOR SHALL NOTIFY BNSF MANAGER OF PUBLIC PROJECTS PRIOR TO ANY WORK WITHIN BNSF RIGHT-OF-WAY OR ANY WORK AFFECTING GRADE CROSSING OPERATIONS.

Exhibit A



DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF THESE PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF NATIONAL CITY IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

MATTHEW B. CAPUZZI, 69815

DATE



PLANS FOR THE IMPROVEMENTS OF:

BAYSHORE BIKEWAY SEGMENT 5
DEMOLITION PLANS

CITY OF NATIONAL CITY

ROBERTO YANO RCE# 56282
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

DATE

SHEET 15 OF 117 SHEETS

CIP NO.19-20

Plot date: 6/13/2023 3:33:09 PM

ENGINEERING DEPARTMENT	BY	APPROVED	CONSTRUCTION SURVEYOR		CONSTRUCTION RECORDS		SURVEYOR:
			NAME	COMPANY	DATE STARTED:	BENCHMARK:	
			SIGNATURE		INSPECTOR:		
AS-BUILT							HORIZONTAL CONTROL:
REVISIONS							DATE COMPLETED:



LEGEND

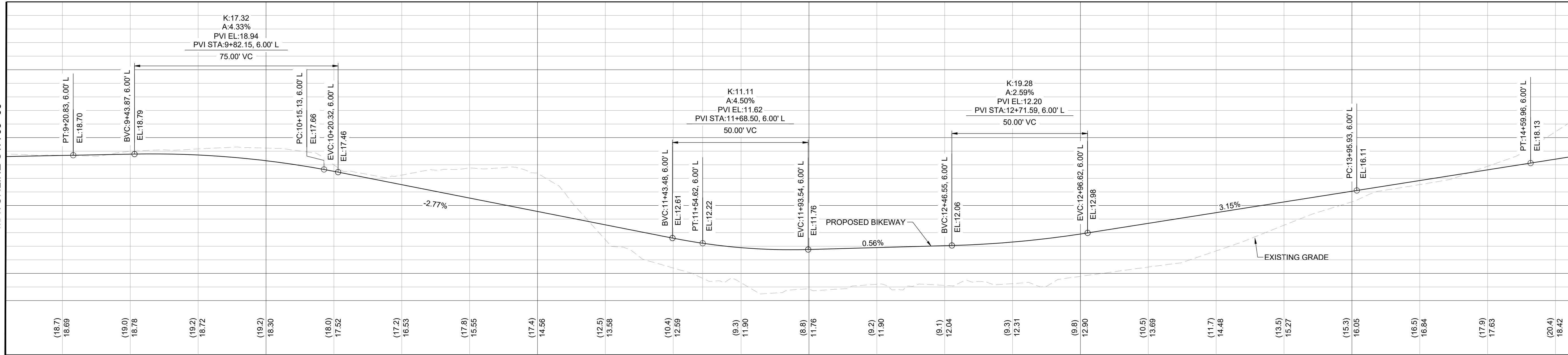
- PROPERTY LINE
DAYLIGHT LINE
OUTLINE OF SENSITIVE AREAS (WATERSHED, BLUFFS, SOFT SOILS)
PROPOSED CONTOUR
EXISTING CONTOUR

CONSTRUCTION NOTES

- PROTECT IN PLACE
- ADJUST TO FINISH GRADE
- REMOVE AND RELOCATE PER PLAN
- CONSTRUCT BIKEWAY SECTION 4" ASPHALT OVER 6" CLASS II AGGREGATE BASE. SEE TYPICAL CROSS SECTION PER DETAIL ON SHEET 7
- CONSTRUCT 0" CURB PER DETAIL ON SHEET 6
- CONSTRUCT WOOD FENCE PER FIGURE 1 CITY OF SAN DIEGO INFORMATION BULLETIN 222, H=5'. CENTER FOOTINGS 6" OFFSET FROM EDGE OF BIKEWAY.
- CONSTRUCT TYPE B GRAVITY RETAINING WALL PER SDRSD C-09. H=4'

BIKEWAY WEST EDGE PROFILE

HORZ: 1" = 20'
VERT: 1" = 4'



GENERAL IMPROVEMENT NOTES

- VERIFY THE EXISTENCE AND HORIZONTAL/VERTICAL LOCATION OF ALL UTILITIES WITHIN THE PROJECT AREA THAT MAY CONFLICT WITH THE PROPOSED CONSTRUCTION. VERIFY THAT ANY UTILITIES SHOWN TO BE RELOCATED BY OTHERS HAVE BEEN RELOCATED AND ARE NO LONGER IN CONFLICT.
- SEE PLANTING AND IRRIGATION PLANS FOR REMOVALS, RELOCATIONS AND/OR ADJUSTMENTS OF PLANTING AND IRRIGATION RELATED IMPROVEMENTS.
- GRADING BEYOND BIKEWAY TO BE 2:1 UNLESS OTHERWISE NOTED.
- FILL CONDITION GRADING ADJACENT TO EXISTING RETAINING WALL TO BE GRADED AT 2% SLOPING DOWNWARDS TOWARD SWALE FROM FACE OF RETAINING WALL.



DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF THESE PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF NATIONAL CITY IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

MATTHEW B. CAPUZZI, 69815

DATE



PLANS FOR THE IMPROVEMENTS OF:

Bayshore Bikeway Segment 5
Improvement Plans

CITY OF NATIONAL CITY

ROBERTO YANO RCE# 56292
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

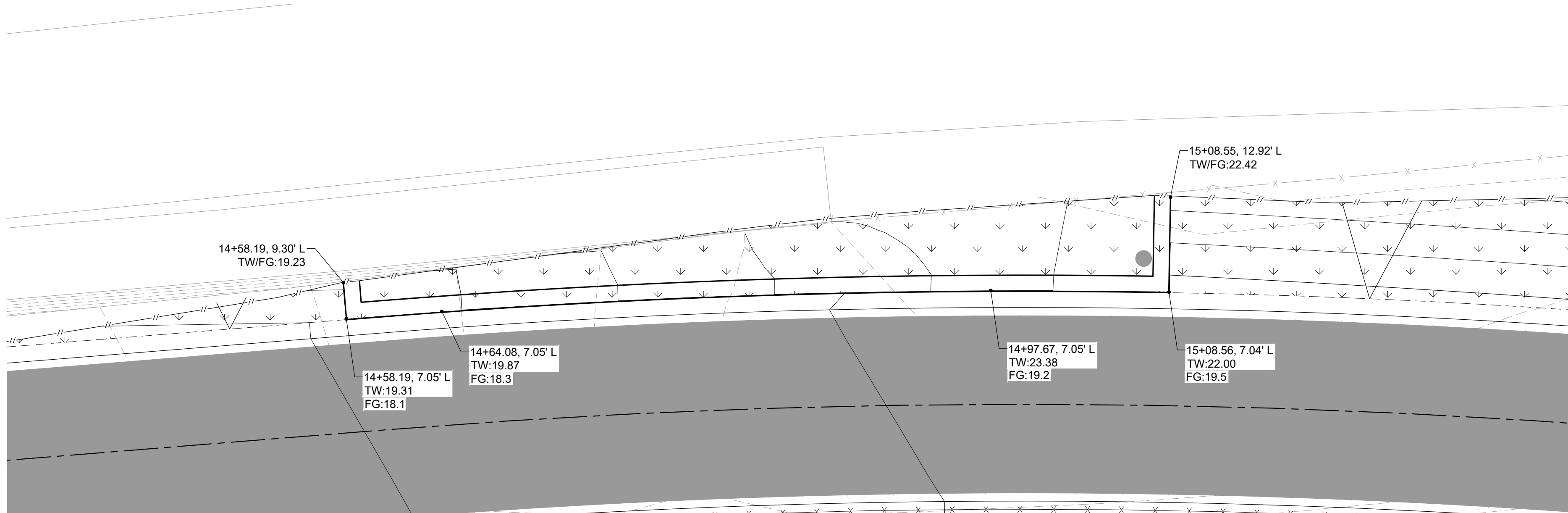
DATE

SHEET 18 OF 117 SHEETS

XXXX-XX-####D

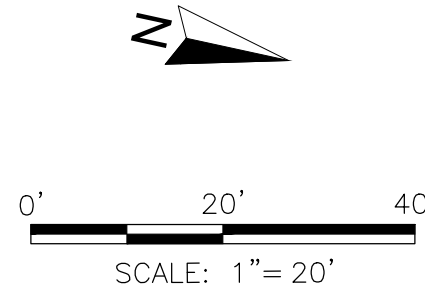
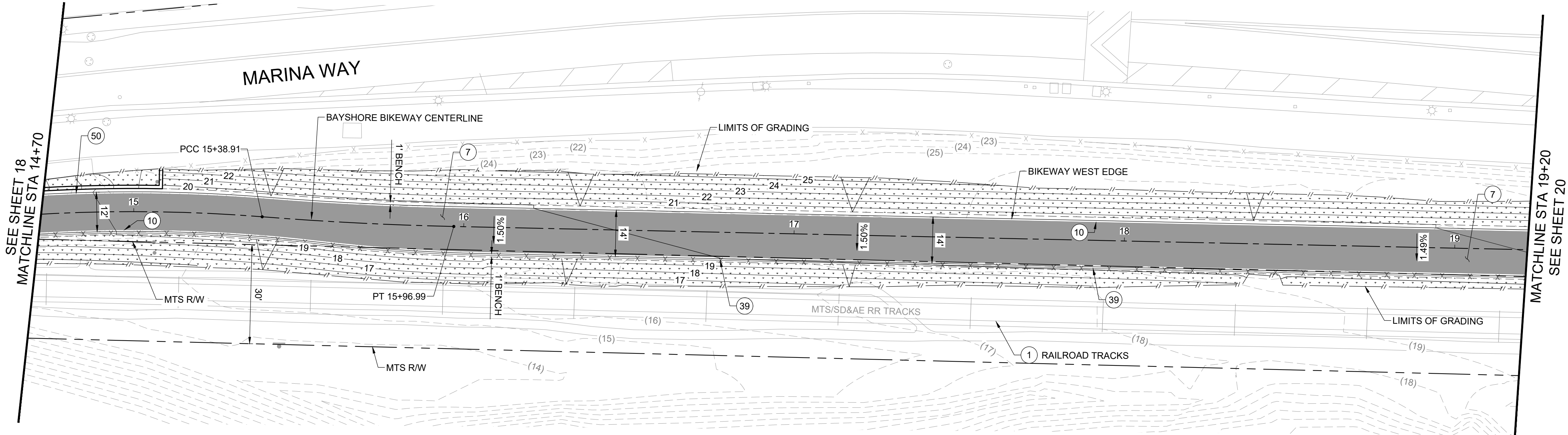
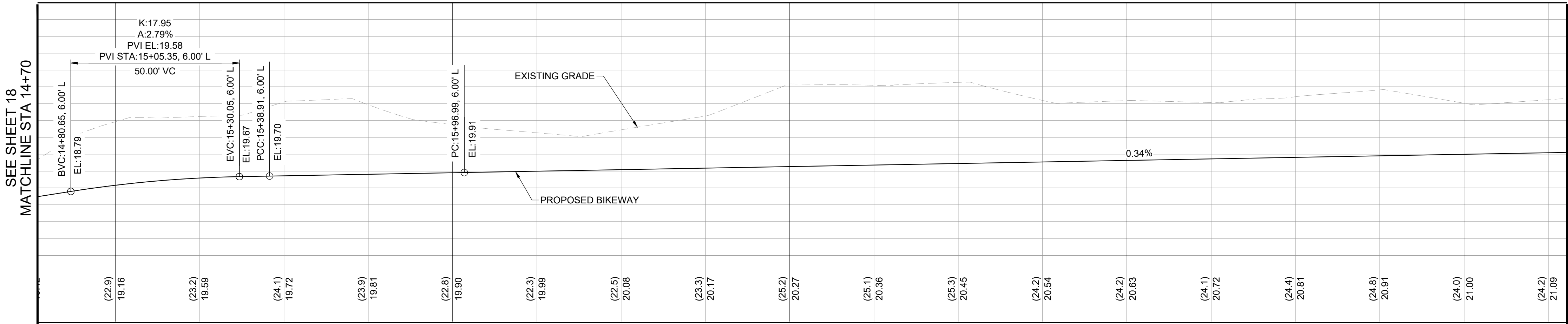
Exhibit A

ENGINEERING DEPARTMENT	BY	APPROVED	DATE	CONSTRUCTION SURVEYOR		CONSTRUCTION RECORDS		SURVEYOR: BENCHMARK: HORIZONTAL CONTROL:
				NAME	COMPANY	DATE STARTED:		
				SIGNATURE		INSPECTOR:		
						DATE COMPLETED:		
AS-BUILT				NAME	COMPANY			
REVISIONS								



BIKEWAY WEST EDGE PROFILE

HORZ: 1" = 20'
VERT: 1" = 4'



LEGEND

- PROPERTY LINE
SAWCUT LINE
DAYLIGHT LINE
OUTLINE OF SENSITIVE AREAS (WATERSHED, BLUFFS, SOFT SOILS)
PROPOSED CONTOUR
EXISTING CONTOUR

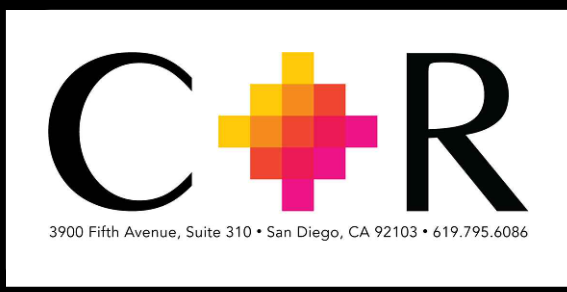
XX
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CONSTRUCTION NOTES

1. PROTECT IN PLACE
7. CONSTRUCT BIKEWAY SECTION 4" ASPHALT OVER 6" CLASS II AGGREGATE BASE. SEE TYPICAL CROSS SECTION PER DETAIL ON SHEET 7
10. CONSTRUCT 0" CURB PER DETAIL ON SHEET 6
39. CONSTRUCT WOOD FENCE PER FIGURE 1 CITY OF SAN DIEGO INFORMATION BULLETIN 222, H=5'. CENTER FOOTINGS 6" OFFSET FROM EDGE OF BIKEWAY.
50. CONSTRUCT TYPE B GRAVITY RETAINING WALL PER SDRSD C-09, H=4'

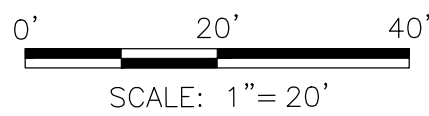
GENERAL IMPROVEMENT NOTES

1. VERIFY THE EXISTENCE AND HORIZONTAL/VERTICAL LOCATION OF ALL UTILITIES WITHIN THE PROJECT AREA THAT MAY CONFLICT WITH THE PROPOSED CONSTRUCTION. VERIFY THAT ANY UTILITIES SHOWN TO BE RELOCATED BY OTHERS HAVE BEEN RELOCATED AND ARE NO LONGER IN CONFLICT.
2. SEE PLANTING AND IRRIGATION PLANS FOR REMOVALS, RELOCATIONS AND/OR ADJUSTMENTS OF PLANTING AND IRRIGATION RELATED IMPROVEMENTS.
3. GRADING BEYOND BIKEWAY TO BE 2:1 UNLESS OTHERWISE NOTED.



DECLARATION OF RESPONSIBLE CHARGE I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS. I UNDERSTAND THAT THE CHECK OF THESE PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF NATIONAL CITY IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN. MATTHEW B. CAPUZZI, 69815 DATE		
PLANS FOR THE IMPROVEMENTS OF: BAYSHORE BIKEWAY SEGMENT 5 IMPROVEMENT PLANS CITY OF NATIONAL CITY		
ROBERTO YANO RCE# 56292 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER DATE		
SHEET 19 OF 117 SHEETS XXXX-XX-####D		

Exhibit A



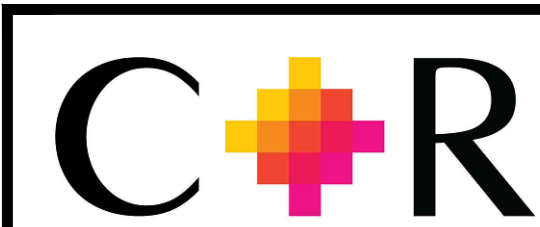
HORZ: 1" = 20'
VERT: 1" = 4'



HORZ: 1" = 20'
VERT: 1" = 4'

PROPERTY LINE	_____
SAWCUT LINE	- - - - -
DAYLIGHT LINE	_____//_____//_____
PROPOSED CONTOUR	_____XX_____
EXISTING CONTOUR	_____ (XX) _____

1. VERIFY THE EXISTENCE AND HORIZONTAL/VERTICAL LOCATION OF ALL UTILITIES WITHIN THE PROJECT AREA THAT MAY CONFLICT WITH THE PROPOSED CONSTRUCTION. VERIFY THAT ANY UTILITIES SHOWN TO BE RELOCATED BY OTHERS HAVE BEEN RELOCATED AND ARE NO LONGER IN CONFLICT.
2. SEE TRAFFIC SIGNAL PLANS AND SIGNING & STRIPING PLANS FOR REMOVAL, RELOCATION AND/OR ADJUSTMENTS OF TRAFFIC RELATED IMPROVEMENTS.
3. SEE PLANTING AND IRRIGATION PLANS FOR REMOVALS, RELOCATIONS AND/OR ADJUSTMENTS OF PLANTING AND IRRIGATION RELATED IMPROVEMENTS.
4. GRADING BEYOND BIKEWAY TO BE 2:1 UNLESS OTHERWISE NOTED.



- (1) PROTECT IN PLACE
- (4) SAWCUT PER DETAIL ON SHEET 6
- (5) CONSTRUCT TYPE 'B-2' CURB AND GUTTER PER SDRSD G-06
- (7) CONSTRUCT BIKEWAY SECTION 4" ASPHALT OVER 6" CLASS II AGGREGATE BASE. SEE TYPICAL CROSS SECTION PER DETAIL ON SHEET 7
- (8) CONSTRUCT PAVEMENT SECTION - 3" AC OVER 7" CLASS II AGGREGATE BASE. TENSAR TX-7 REINFORCEMENT OR APPROVED EQUAL TO BE UNDERLAIN ON PREPARED SUBGRADE
- (10) CONSTRUCT 6" CURB PER DETAIL ON SHEET 6
- (20) SEE CORRIDOR IMPROVEMENT PLANS
- (23) CONSTRUCT TRUNCATED DOMES PER SDRSD G-30
- (26) CONSTRUCT CONCRETE SIDEWALK PER SDRSD G-07. DESIGN SIDEWALK CROSS SLOPE TO 1.5%.
- (39) CONSTRUCT WOOD FENCE PER FIGURE 1 CITY OF SAN DIEGO INFORMATION BULLETIN 222, H=5'. CENTER FOOTINGS 6" OFFSET FROM EDGE OF BIKEWAY
- (41) CONSTRUCT 6"PC (3000PSI) DRIVEWAY OVER 4" CLASS II AGGREGATE BASE
- (42) CONSTRUCT INTEGRAL COLORED CONCRETE SIDEWALK. FINISH TO BE MEDIUM BROOM (PERPENDICULAR TO PATH OF TRAVEL. COLORS TO MATCH EXISTING BY SCOFIELD SYSTEMS OR APPROVED EQUAL

Exhibit A

DIGALERT



DIAL
BEFORE
YOU DIG



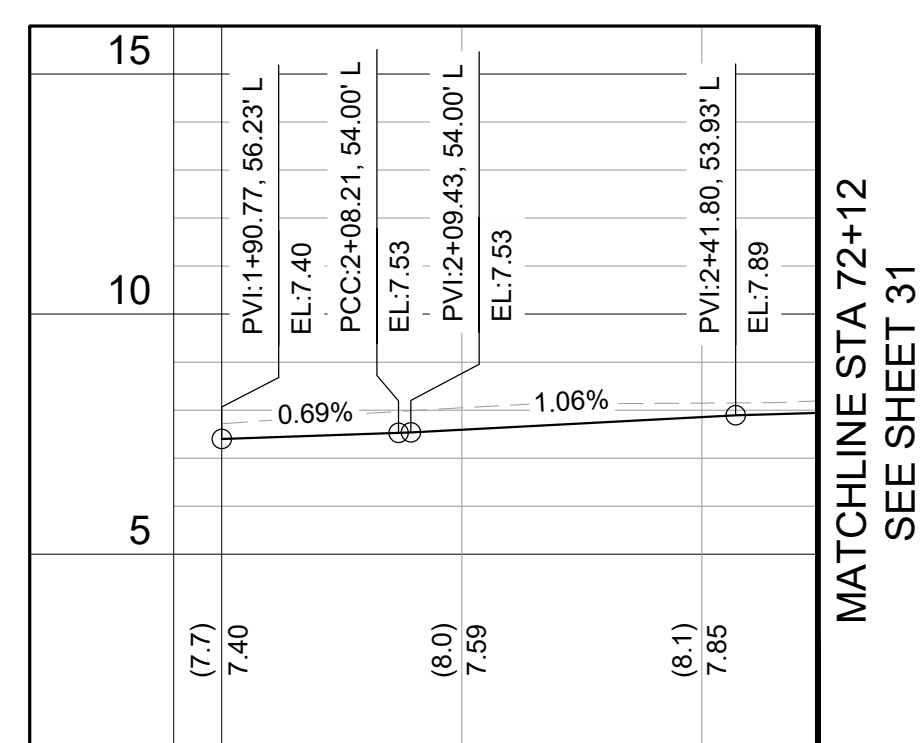
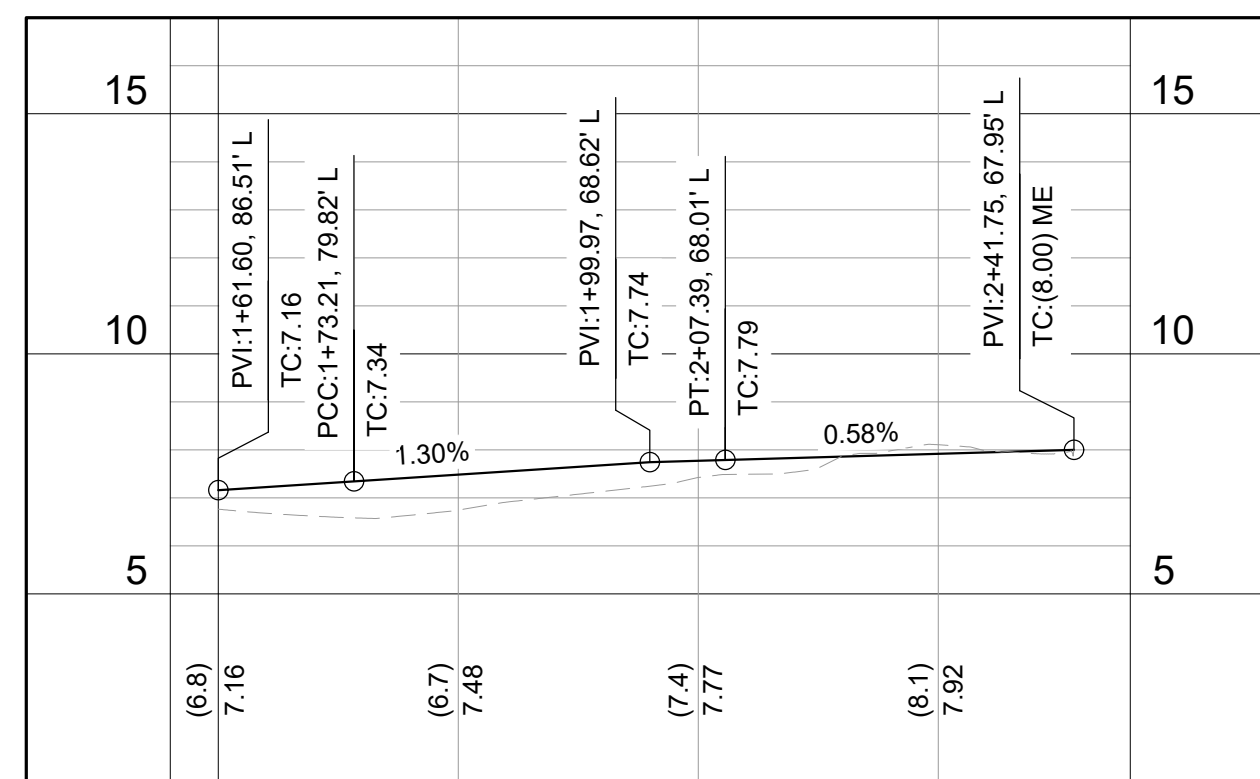
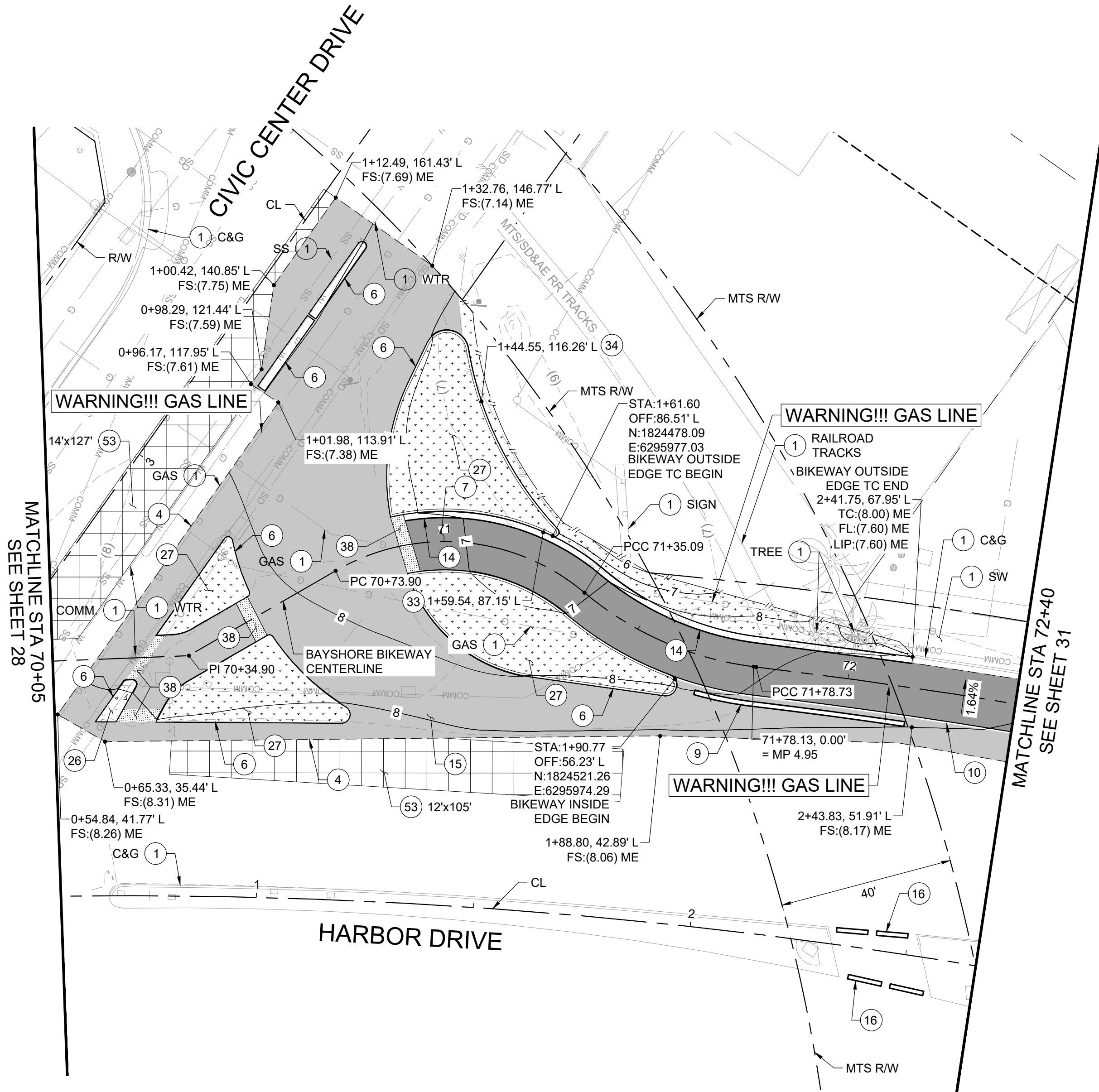
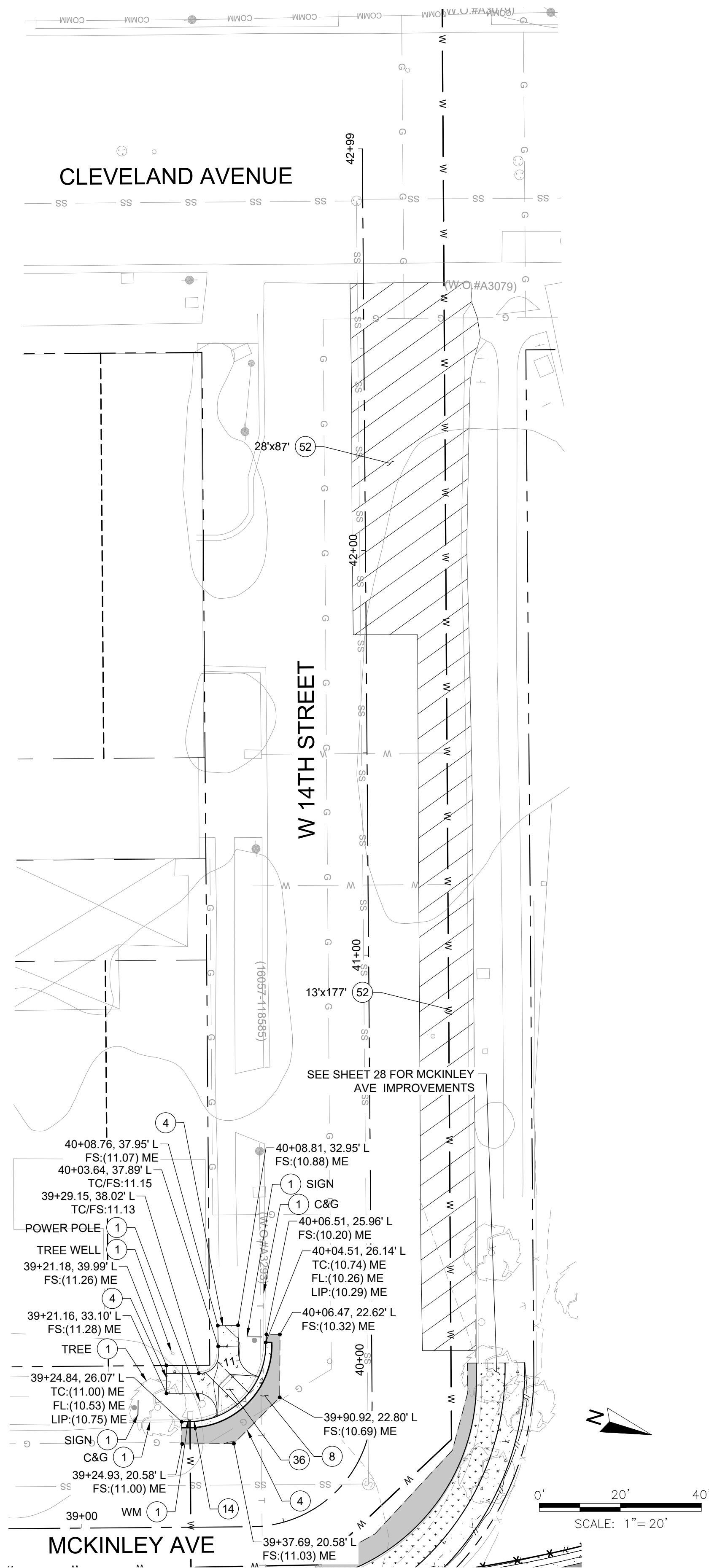
TWO WORKING
DAYS BEFORE
YOU DIG

TOLL FREE 1-800-227-2600

A PUBLIC SERVICE BY
UNDERGROUND SERVICE ALERT

<p>DECLARATION OF RESPONSIBLE CHARGE</p> <p>I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.</p> <p>I UNDERSTAND THAT THE CHECK OF THESE PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF NATIONAL CITY IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.</p> <p>_____ MATTHEW B. CAPUZZI, 69815 DATE _____</p>	 <p>PLANS FOR THE IMPROVEMENTS OF:</p> <p align="center">BAYSHORE BIKEWAY SEGMENT 5 IMPROVEMENT PLANS</p> <hr/> <p align="center">CITY OF NATIONAL CITY</p> <hr/> <p>ROBERTO YANO RCE# 56292 _____ DIRECTOR OF PUBLIC WORKS/CITY ENGINEER DATE _____</p> <hr/> <p align="right">CIP NO.19-20</p>
	<p>SHEET <u>20</u> OF <u>117</u> SHEETS xxxx-xx-----D</p>

ENGINEERING DEPARTMENT					CONSTRUCTION SURVEYOR		GEO/TECHNICAL OF RECORD		CONSTRUCTION RECORDS		SURVEYOR: _____	
AS-BUILT		BY	APPROVED	DATE	NAME		NAME		DATE STARTED:		BENCHMARK: _____	
					COMPANY		COMPANY					
REVISIONS									INSPECTOR:			
					SIGNATURE		SIGNATURE		DATE COMPLETED:		HORIZONTAL CONTROL: _____	



<u>LEGEND</u>	
PROPERTY LINE	_____
SAWCUT LINE	- - - - -
DAYLIGHT LINE	_____//_____//_____
PROPOSED CONTOUR	_____XX_____
EXISTING CONTOUR	- - - - - (XX) - - - - -

CONSTRUCTION NOTES

- (1) PROTECT IN PLACE
- (2) ADJUST TO FINISH GRADE
- (4) SAWCUT PER DETAIL ON SHEET 6
- (6) CONSTRUCT TYPE "B-1" CURB PER SDRSD G-06
- (7) CONSTRUCT BIKEWAY SECTION 4" ASPHALT OVER 6" CLASS II AGGREGATE BASE. SEE TYPICAL CROSS SECTION PER DETAIL ON SHEET 7
- (8) CONSTRUCT PAVEMENT SECTION - 3" AC OVER 7" CLASS II AGGREGATE BASE. TENSAR TX-7 REINFORCEMENT OR APPROVED EQUAL TO BE UNDERLAIN ON PREPARED SUBGRADE
- (9) CONSTRUCT AC DIKE PER DETAIL ON SHEET 6
- (10) CONSTRUCT 0" CURB PER DETAIL ON SHEET 6
- (14) CONSTRUCT TYPE "G" CURB AND GUTTER PER SDRSD G-02
- (15) CONSTRUCT PAVEMENT SECTION - 5.5" AC OVER 9.5" CLASS II AGGREGATE BASE. TENSAR TS-7 REINFORCEMENT OR APPROVED EQUAL TO BE UNDERLAIN ON PREPARED SUBGRADE
- (16) CONSTRUCT TYPE "B-3" PIN ON CURB PER SDPWC SDG-154
- (26) CONSTRUCT CONCRETE SIDEWALK PER SDRSD G-07. DESIGN SIDEWALK CROSS SLOPE TO 1.5%.
- (27) SEE PLANTING PLANS
- (33) CONSTRUCT CURB INLET OPENING PER DETAIL ON SHEET 07
- (34) CONSTRUCT CURB OUTLET OPENING PER DETAIL ON SHEET 07
- (36) CONSTRUCT TYPE A CURB RAMP PER SDRSD G-27
- (38) CONSTRUCT TRUNCATED DOMES PER SDRSD G-30. SEE DETAIL ON SHEET 06
- (53) FULL DEPTH PAVEMENT RECONSTRUCTION 5.5" AC OVER 9.5" CLASS 2 AGGREGATE BASE. TENSAR REINFORCEMENT OR APPROVED EQUAL TO BE UNDERLAIN ON PREPARED SUBGRADE. SEE DETAIL ON SHEET 06
- (52) COLDMILL EXISTING PAVEMENT 2" DEEP AND CONSTRUCT 2" AC OVERLAY.

GENERAL IMPROVEMENT NOTES

1. VERIFY THE EXISTENCE AND HORIZONTAL/VERTICAL LOCATION OF ALL UTILITIES WITHIN THE PROJECT AREA THAT MAY CONFLICT WITH THE PROPOSED CONSTRUCTION. VERIFY THAT ANY UTILITIES SHOWN TO BE RELOCATED BY OTHERS HAVE BEEN RELOCATED AND ARE NO LONGER IN CONFLICT.
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3. SEE PLANTING AND IRRIGATION PLANS FOR REMOVALS, RELOCATIONS AND/OR ADJUSTMENTS OF PLANTING AND IRRIGATION RELATED IMPROVEMENTS.

Exhibit A

DECLARATION OF RESPONSIBLE CHARGE

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MATTHEW B. CAPUZZI, 69815 DATE



PLANS FOR THE IMPROVEMENTS OF:

BAYSHORE BIKEWAY SEGMENT 5

IMPROVEMENT PLANS

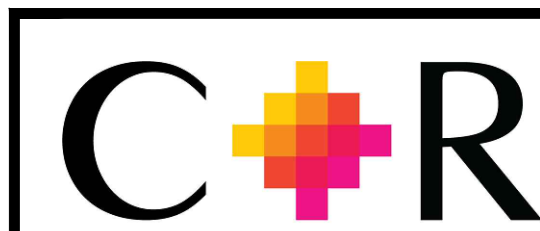
CITY OF NATIONAL CITY

ROBERTO YANO RCE# 56292
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

CIP NO.19-20

SHEET 30 OF 117 SHEETS

XXXX-XX-####D



Plot date: 6/13/2023 3:43:43 PM

ENGINEERING DEPARTMENT		CONSTRUCTION SURVEYOR		GEOLOGICAL OF RECORD		CONSTRUCTION RECORDS		SURVEYOR:	
AS-BUILT		DATE		NAME		COMPANY		BENCHMARK:	
REVISIONS		BY		APPROVED		NAME		DATE STARTED:	
						SIGNATURE		INSPECTOR:	
								DATE COMPLETED:	



DIAL BEFORE YOU DIG
TOLL FREE 1-800-227-2600
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

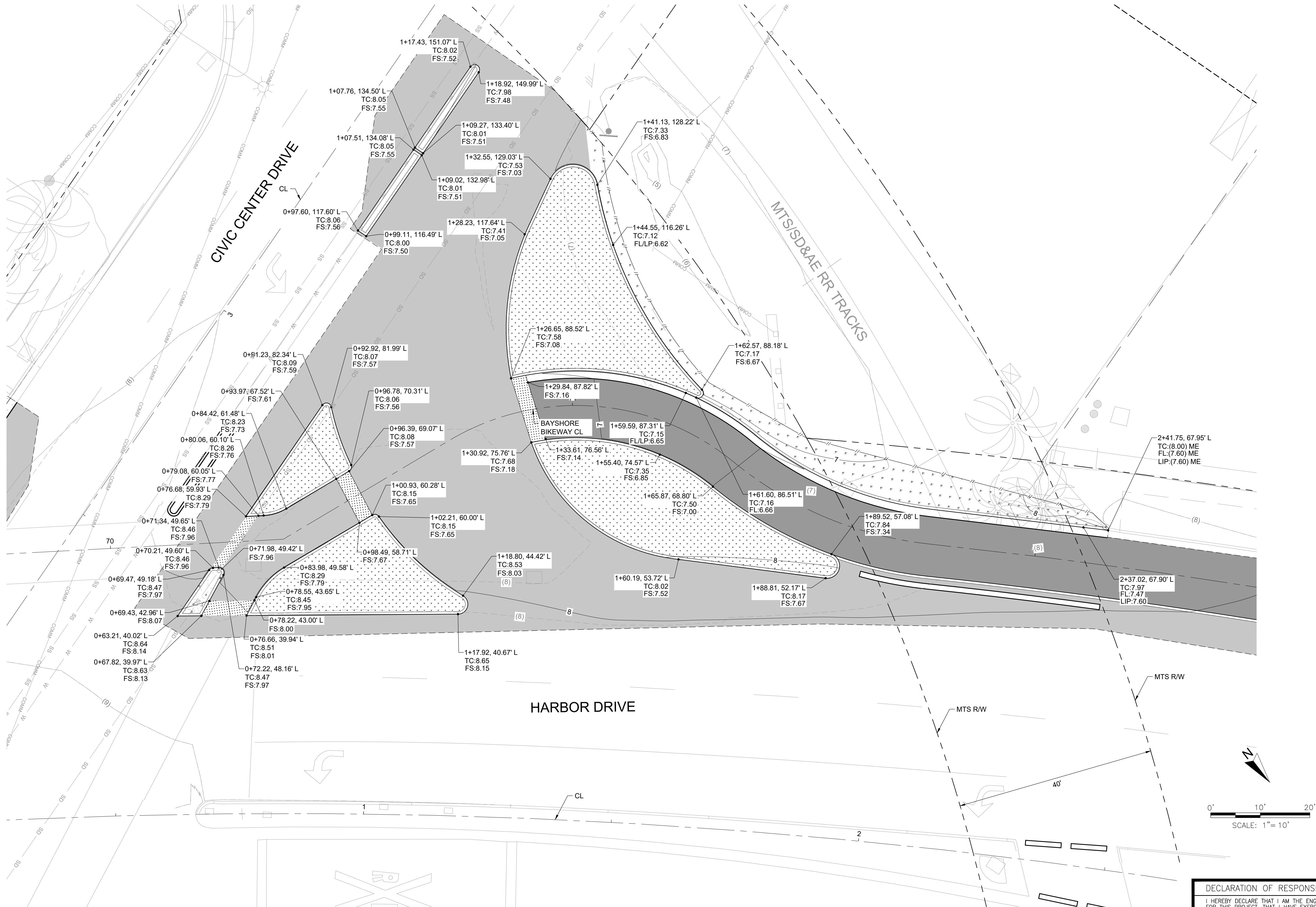


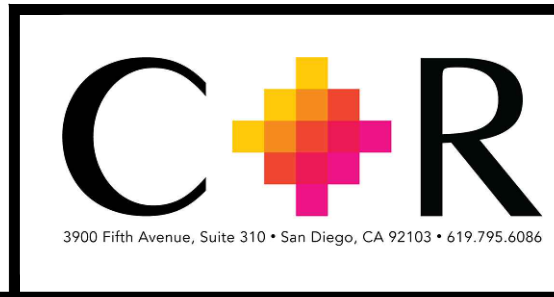


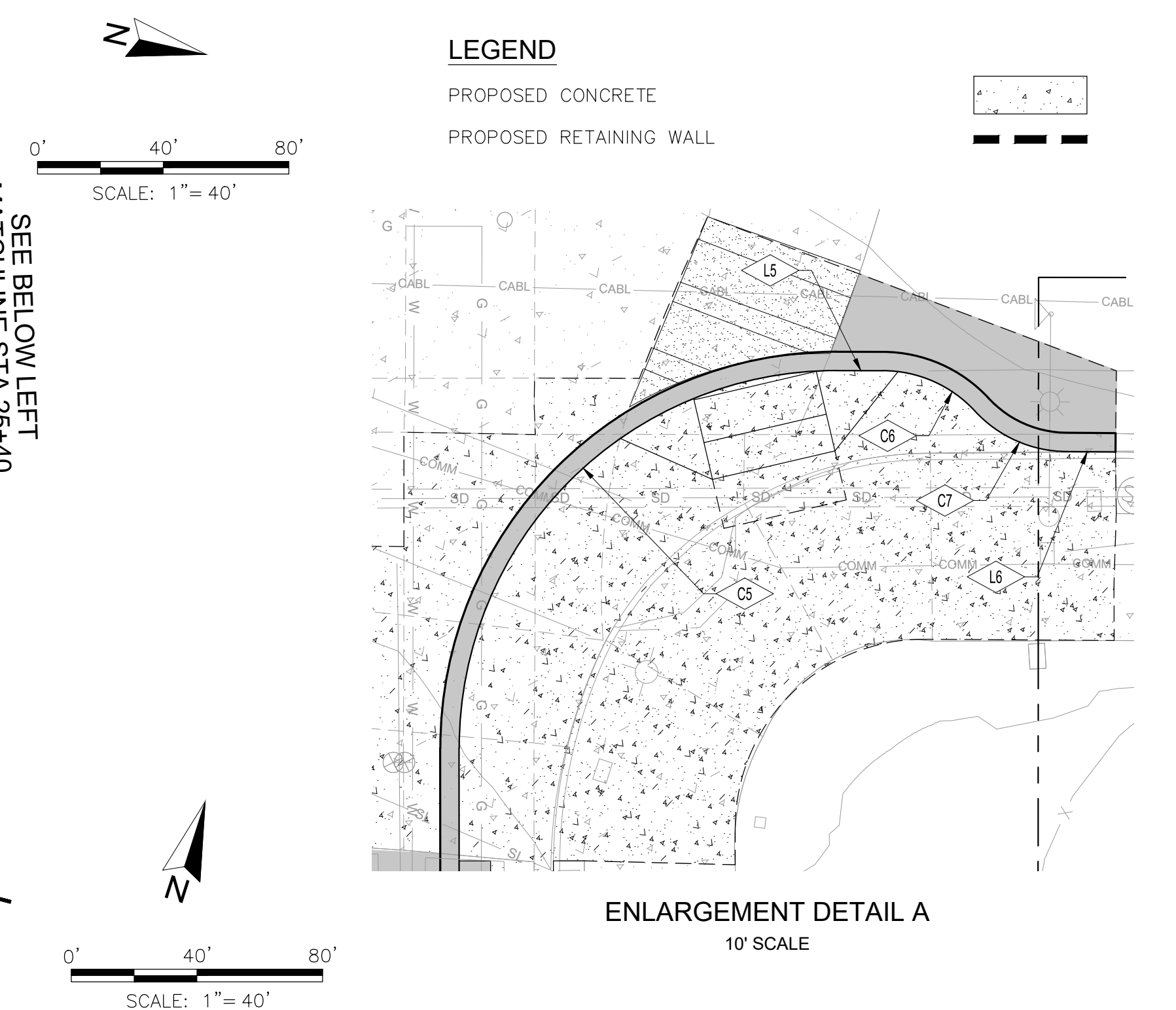
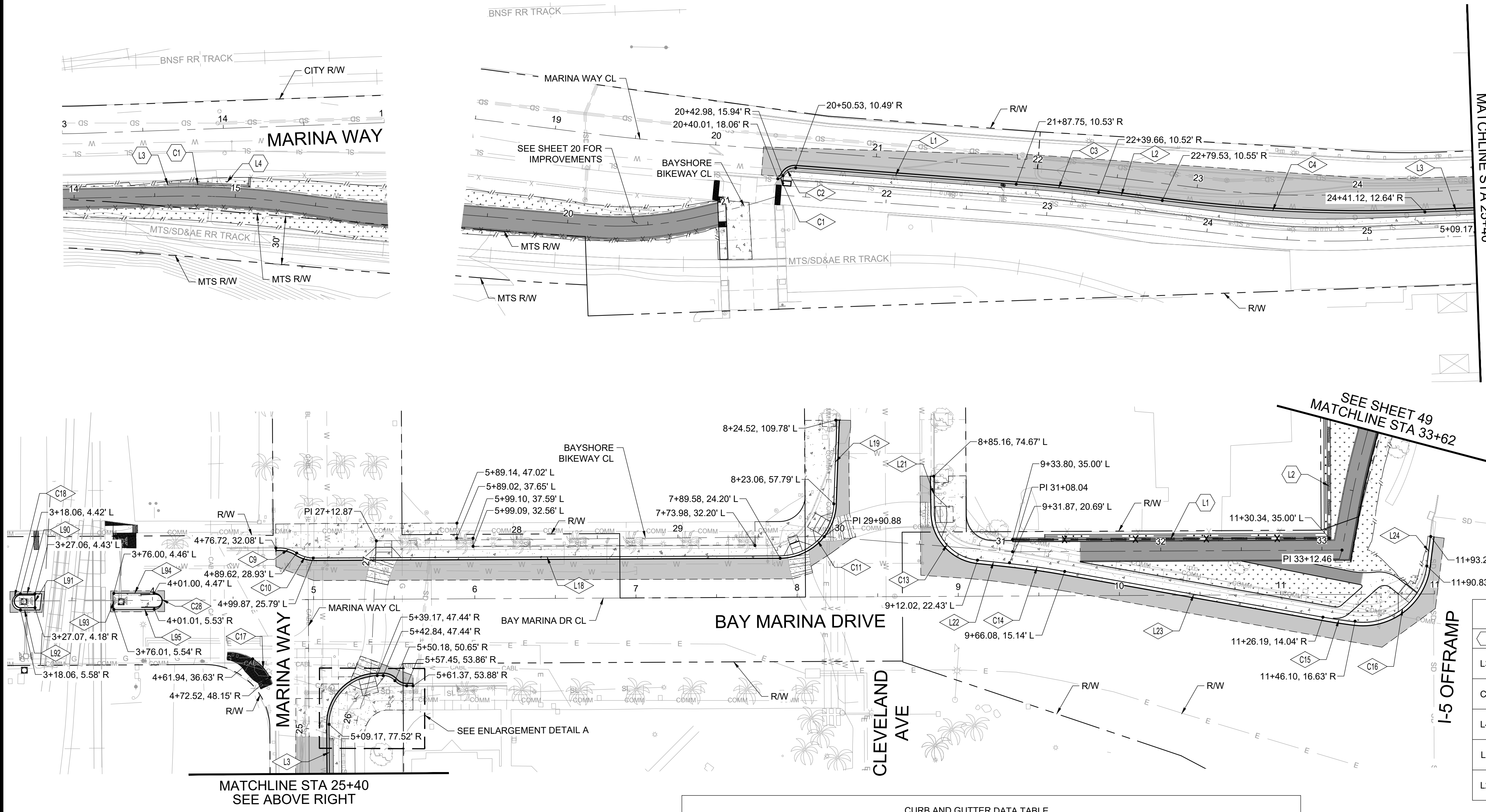
Exhibit A

DECLARATION OF RESPONSIBLE CHARGE I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS. I UNDERSTAND THAT THE CHECK OF THESE PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF NATIONAL CITY IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN. MATTHEW B. CAPUZZI, 69815 _____ DATE _____ 		 PLANS FOR THE IMPROVEMENTS OF: BAYSHORE BIKEWAY SEGMENT 5 INTERSECTION DETAIL CITY OF NATIONAL CITY ROBERTO YANO RCE# 56292 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER DATE _____ SHEET 39 OF 117 SHEETS XXXX-XX-----D	
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Plot date: 6/13/2023 3:46:18 PM

SURVEYOR: BENCHMARK: HORIZONTAL CONTROL:	CONSTRUCTION RECORDS		DATE STARTED: INSPECTOR: DATE COMPLETED:	
	CONSTRUCTION SURVEYOR		NAME COMPANY SIGNATURE	
	BY DATE APPROVED		NAME COMPANY SIGNATURE	
ENGINEERING DEPARTMENT	AS-BUILT		REVISIONS	



RETAINING WALL DATA TABLE						
	LENGTH	LINE/CHORD DIRECTION	R	T	DELTA	REMARKS
L3	2.24'	S16°57'00"E				TYPE 1 RETAINING WALL PER CALTRANS STANDARD PLAN B3-1C
C1	45.56'	S14°57'15"E	501.74'	17.48	3°59'30"	TYPE 1 RETAINING WALL PER CALTRANS STANDARD PLAN B3-1C
L4	3.34'	N77°26'38"E				TYPE B GRAVITY RETAINING WALL PER SDRSD C-09, H=4'
L1	196.54'	N72°16'02"E				TYPE B GRAVITY RETAINING WALL PER SDRSD C-09, H=4'
L2	174.92'	N17°45'53"W				TYPE B GRAVITY RETAINING WALL PER SDRSD C-09, H=4'

CURB AND GUTTER DATA TABLE						
	LENGTH	LINE/CHORD DIRECTION	R	T	DELTA	REMARKS
C1	3.74'	N47°07'36"W	2.99'	2.16'	71°39'13"	TYPE B-2 C&G PER SDRSD G-06
C2	9.98'	N47°12'50"W	8.00'	5.76'	71°28'45"	TYPE B-2 C&G PER SDRSD G-06
L1	137.18'	N11°28'28"W				TYPE B-2 C&G PER SDRSD G-06
C3	51.37'	N10°00'10"W	1000.00'	25.69'	2°56'36"	TYPE B-2 C&G PER SDRSD G-06
L2	39.87'	N08°31'52"W				TYPE B-2 C&G PER SDRSD G-06
C4	163.27'	N13°12'30"W	1000.00'	81.82'	9°21'17"	TYPE B-2 C&G PER SDRSD G-06
L3	61.49'	N17°53'09"W				TYPE B-2 C&G PER SDRSD G-06
L3	61.49'	N17°53'09"W				TYPE B-2 C&G PER SDRSD G-06
C5	47.20'	N27°11'26"E	30.00'	30.08'	90°09'11"	TYPE B-2 C&G PER SDRSD G-06
L5	3.67'	N72°16'02"E				TYPE B-2 C&G PER SDRSD G-06
C6	8.24'	S84°07'28"E	10.00'	4.37'	47°13'00"	TYPE B-2 C&G PER SDRSD G-06
C7	8.17'	S83°55'17"E	10.00'	4.33'	46°48'38"	TYPE B-2 C&G PER SDRSD G-06
L6	3.93'	N72°40'24"E				TYPE B-2 C&G PER SDRSD G-06

CURB AND GUTTER DATA TABLE						
	LENGTH	LINE/CHORD DIRECTION	R	T	DELTA	REMARKS
C9	11.30'	N88°38'14"E	20.00'	5.81'	32°22'54"	TYPE A2-6 C&G PER CALTRANS STD PLAN A87A
C10	11.36'	N88°33'22"E	20.00'	5.84'	32°32'37"	TYPE A2-6 C&G PER CALTRANS STD PLAN A87A
L18	289.23'	N72°17'04"E				TYPE A2-6 C&G PER CALTRANS STD PLAN A87A
C11	51.21'	N28°27'12"E	33.47'	32.13'	87°39'44"	TYPE A2-6 C&G PER CALTRANS STD PLAN A87A
L19	52.02'	N15°22'40"W				TYPE A2-6 C&G PER CALTRANS STD PLAN A87A
L21	22.74'	S18°18'55"E				TYPE A2-6 C&G PER CALTRANS STD PLAN A87A
C13	43.44'	S59°47'56"E	30.00'	26.53'	82°58'01"	TYPE A2-6 C&G PER CALTRANS STD PLAN A87A
L22	19.92'	N78°43'03"E				TYPE A2-6 C&G PER CALTRANS STD PLAN A87A
C14	34.65'	N80°39'22"E	512.00'	17.33'	3°52'37"	TYPE A2-6 C&G PER CALTRANS STD PLAN A87A
L23	162.74'	N82°35'41"E				TYPE A2-6 C&G PER CALTRANS STD PLAN A87A
C15	20.10'	N81°06'39"E	388.00'	10.05'	2°58'03"	TYPE A2-6 C&G PER CALTRANS STD PLAN A87A
C16	62.78'	N34°39'42"E	40.00'	39.95'	89°55'51"	TYPE A2-6 C&G PER CALTRANS STD PLAN A87A
L24	18.50'	N10°04'13"W				TYPE A2-6 C&G PER CALTRANS STD PLAN A87A
C17	15.78'	S60°20'15"E	31.97'	8.05'	28°16'48"	TYPE B-1 CURB PER SDRSD G-06

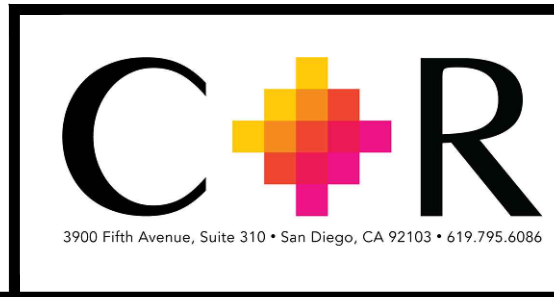
CURB AND GUTTER DATA TABLE						
	LENGTH	LINE/CHORD DIRECTION	R	T	DELTA	REMARKS
L90	9.00'	N72°13'58"E				TYPE B-1 CURB PER SDRSD G-06
L91	10.00'	S17°46'02"E				TYPE B-1 CURB PER SDRSD G-06
L92	9.00'	S72°13'58"W				TYPE B-1 CURB PER SDRSD G-06
C18	15.71'	N17°46'02"W	5.00'	-	180°00'00"	TYPE B-1 CURB PER SDRSD G-06

DECLARATION OF RESPONSIBLE CHARGE

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I UNDERSTAND THAT THE CHECK OF THESE PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF NATIONAL CITY IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

MATTHEW B. CAPUZZI, 69815 _____ DATE _____

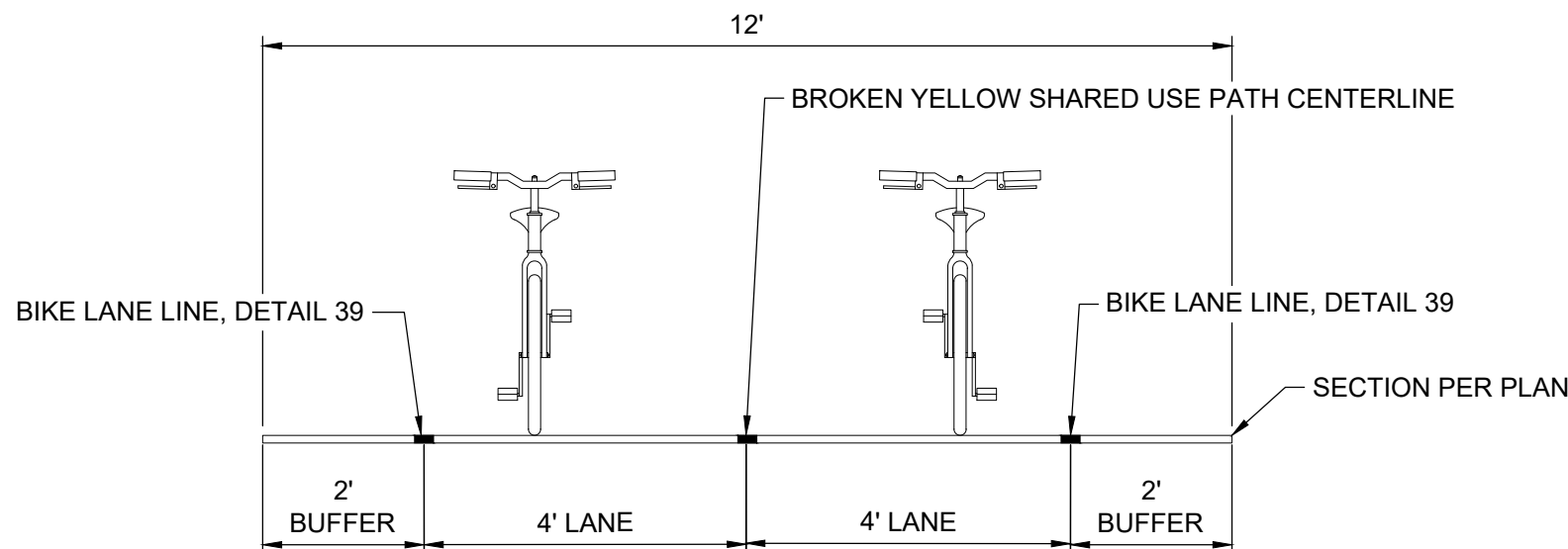
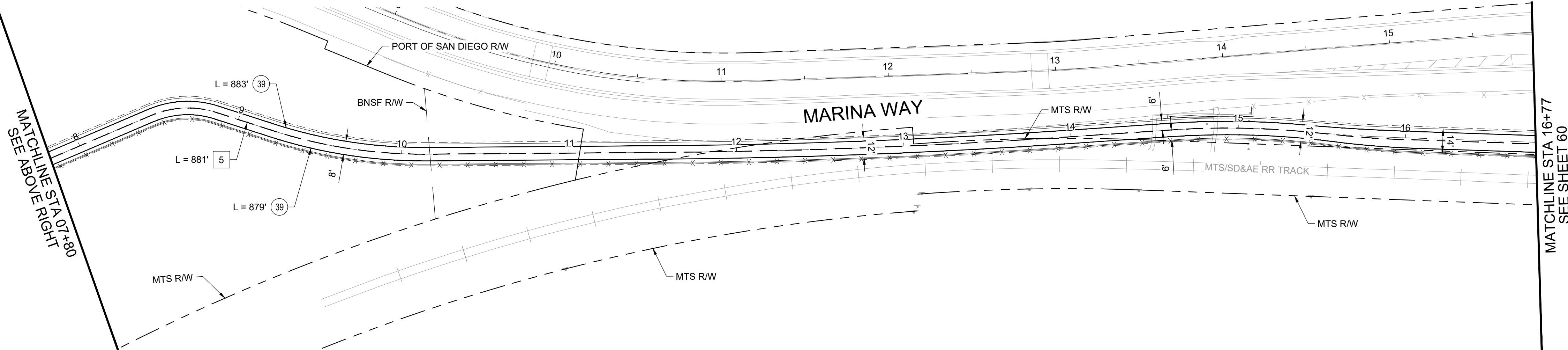
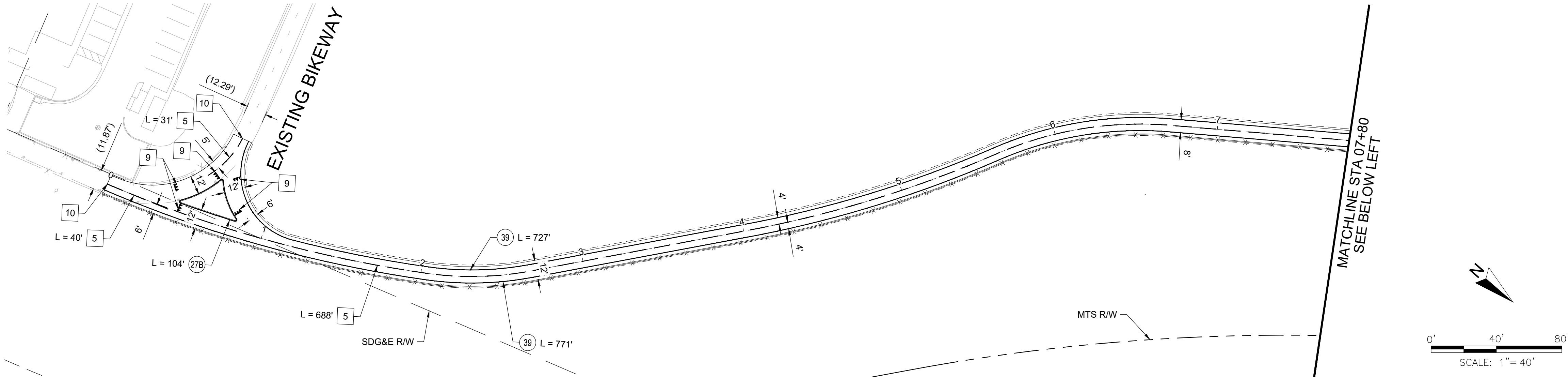


PLANS FOR THE IMPROVEMENTS OF:	
BAYSHORE BIKEWAY SEGMENT 5	
CORRIDOR IMPROVEMENT PLANS	
CITY OF NATIONAL CITY	
ROBERTO YANO RCE# 56292 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER	
DATE	
CIP NO. 19-20	DATE
SHEET 48 OF 117 SHEETS	XXXX-XX-####

Exhibit A

Plot date: 6/13/2023 3:51:38 PM

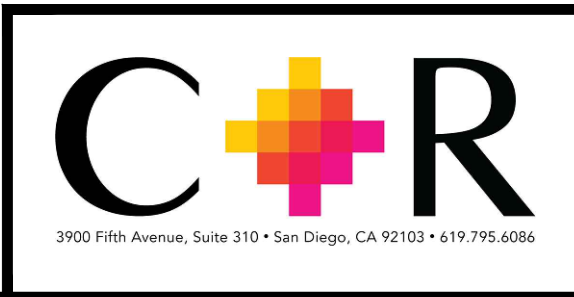
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				NAME	COMPANY	NAME	COMPANY		
AS-BUILT				SIGNATURE	DATE	COMPLETED:	INSPECTOR:	HORIZONTAL CONTROL:	
REVISIONS				SIGNATURE	DATE	COMPLETED:	INSPECTOR:	HORIZONTAL CONTROL:	



TYPICAL CLASS 1 BIKEWAY /
PARKSPACE STRIPING SECTION

GENERAL IMPROVEMENT NOTES

- SEE TRAFFIC SIGNAL PLANS FOR REMOVAL, RELOCATION AND/OR ADJUSTMENTS OF TRAFFIC RELATED IMPROVEMENTS.
- SEE PLANTING AND IRRIGATION PLANS FOR REMOVALS, RELOCATIONS AND/OR ADJUSTMENTS OF LANDSCAPE AND IRRIGATION RELATED IMPROVEMENTS.



LEGEND

- (XX') EXISTING LANE WIDTH
- XX' NEW LANE WIDTH OR LENGTH OF NEW STRIPING
- ⊗ STRIPING DETAIL PER LATEST CALTRANS STANDARD PLANS

SIGNING AND MARKING NOTES

- 5 INSTALL BROKEN YELLOW SHARED USE PATH CENTERLINE PER MUTCD FIGURE 9C-2A.
- 9 INSTALL WHITE THERMOPLASTIC BICYCLE YIELDING MARKING PER DETAIL ON SHEET 53.
- 10 MATCH EXISTING STRIPING

STRIPING DETAILS

- 39 INSTALL WHITE BIKE LANE LINE (DETAIL 39) PER CALTRANS REVISED STD. PLAN RSP A20D

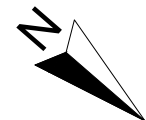
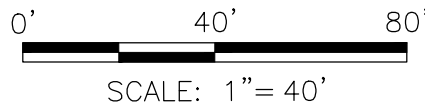
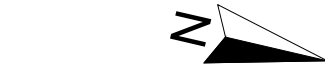
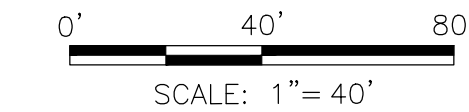
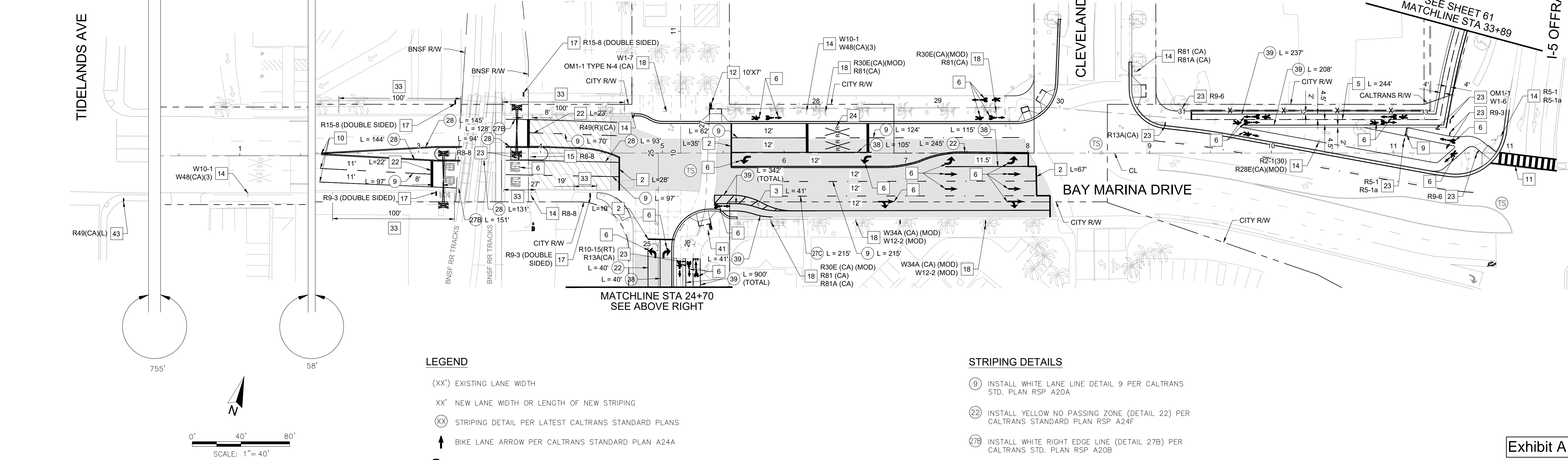
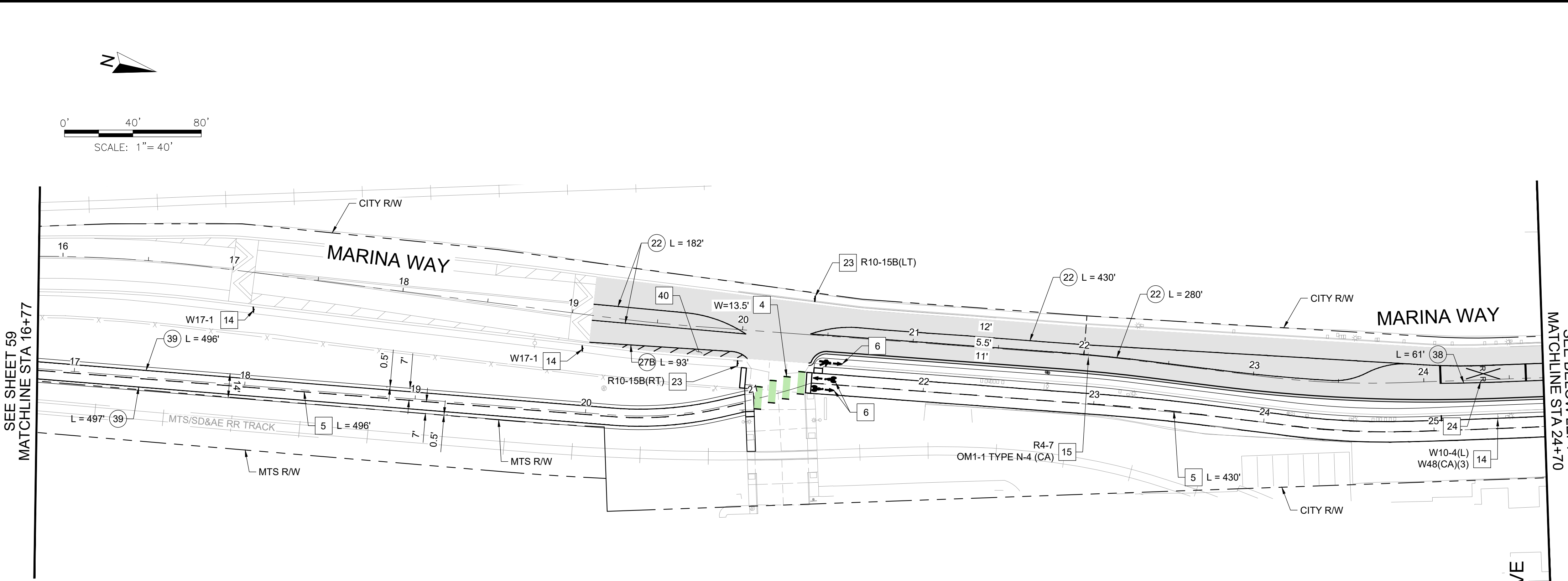


Exhibit A

DECLARATION OF RESPONSIBLE CHARGE	
I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.	
I UNDERSTAND THAT THE CHECK OF THESE PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF NATIONAL CITY IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.	
MATTHEW B. CAPUZZI, 69815	DATE
PLANS FOR THE IMPROVEMENTS OF:	
BAYSHORE BIKEWAY SEGMENT 5	
SIGNING AND STRIPING PLANS	
CITY OF NATIONAL CITY	
ROBERTO YANO RCE# 56292 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER	
DATE	
CIP NO. 19-20	
SHEET 59 OF 117 SHEETS	XXXX-XX-####D

SURVEYOR:	BENCHMARK:	CONSTRUCTION RECORDS	DATE STARTED:	INSPECTOR:	DATE COMPLETED:	GEOTECHNICAL OF RECORD	CONSTRUCTION SURVEYOR	NAME	COMPANY	SIGNATURE	NAME	COMPANY	SIGNATURE	DATE	APPROVED	BY	ENGINEERING DEPARTMENT	AS-BUILT	REVISIONS



SIGNING AND MARKING NOTES

- 1

INSTALL WHITE THERMOPLASTIC CONTINENTAL CROSSWALK PER DETAIL ON SHEET 53.
- 2

INSTALL 12" WHITE THERMOPLASTIC LIMIT LINE AS SHOWN ON PLAN.
- 3

INSTALL BIKE LANE BUFFER DIAGONAL MARKINGS PER DETAIL ON SHEET 53.
- 4

INSTALL CONFLICT STRIPING PER DETAIL ON SHEET 53, WIDTH PER PLAN.
- 5

INSTALL BROKEN YELLOW SHARED USE PATH CENTERLINE PER MUTCD FIGURE 9C-2A.
- 6

INSTALL THERMOPLASTIC PAVEMENT MARKING PER CALTRANS STANDARD PLAN. SEE LEGEND ON THIS SHEET.
- 9

INSTALL WHITE THERMOPLASTIC BICYCLE YIELDING MARKING PER DETAIL ON SHEET 53.
- 10

MATCH EXISTING STRIPING
- 11

INSTALL WHITE THERMOPLASTIC LADDER CROSSWALK PER CALTRANS STANDARD PLAN RSP A24F
- 12

INSTALL TWO-STAGE LEFT TURN QUEUE BOX PER DETAIL ON SHEET 53, DIMENSIONS PER PLAN.
- 14

EXISTING SIGN TO REMAIN
- 15

REMOVE AND SALVAGE EXISTING SIGN
- 16

EXISTING STRIPING TO REMAIN
- 17

FURNISH AND INSTALL NEW BREAK AWAY POST PER CITY STANDARD DRAWING NO 112-S-B
- 18

INSTALL NEW SIGN ON EXISTING POST
- 19

REMOVE AND REPLACE SIGN PER PLAN
- 22

INSTALL 24" LIMIT LINE AS SHOWN ON PLANS
- 23

FURNISH AND INSTALL NEW SIGN ON BREAK-AWAY POST PER CITY STANDRAD DRAWING NO. 112-S-B
- 24

INSTALL HIGHWAY-RAIL GRADE CROSSING PAVEMENT MARKING PER MUTCD FIGURE 8B-7
- 26

CONSTRUCT BIKE BOX PER DETAIL ON SHEET 53
- 30

INSTALL SPEED HUMP PAVEMENT MARKING, OPTION C PER CAMUTCD FIGURE 3B-29
- 31

INSTALL GREEN PAINT PER SPECS
- 32

INSTALL TYPE D BLUE RETROREFLECTIVE PAVEMENT MARKER 6" FROM LEFT EDGE LINE
- 33

PAINT EXISTING CURB RED
- 40

CONSTRUCT WHITE 8" THICK DIAGONAL CHEVRON MARKING 8.5' O.C. PER MUTCD SECTION 3B.24
- 41

INSTALL THERMOPLASTIC BICYCLE DETECTOR PAVEMENT MARKING PER DETAIL ON SHEET 54
- 43

FURNISH AND INSTALL NEW SIGN ON EXISTING POLE PER PLAN

LEGEND

- (XX')

EXISTING LANE WIDTH
- XX'

NEW LANE WIDTH OR LENGTH OF NEW STRIPING
- (XX)

STRIPING DETAIL PER LATEST CALTRANS STANDARD PLANS
- ↑

BIKE LANE ARROW PER CALTRANS STANDARD PLAN A24A
- 🚲

BIKE LANE WITH PERSON SYMBOL PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24C
- ⏸

WAIT HERE PAVEMENT MARKING PER CALTRANS STANDARD PLAN A20A. TO BE INSTALLED AT 1/2 SCALE
- ↩

TYPE IV (L) ARROW PER CALTRANS STANDARD PLAN A24A
- ➡

TYPE I 18'-0" ARROW PER CALTRANS STANDARD PLAN A24A
- ↪

TYPE VII (R) ARROW PER CALTRANS STANDARD PLAN A24A
- Ⓣ

TRAFFIC SIGNAL
- SLURRY SEAL PER SPECIFICATIONS
- ▨

COLD MILL EXISTING PAVEMENT 2" DEEP AND CONSTRUCT 2" AC OVERLAY

STRIPING DETAILS

- 9

INSTALL WHITE LANE LINE DETAIL 9 PER CALTRANS STD. PLAN RSP A20A
- 22

INSTALL YELLOW NO PASSING ZONE (DETAIL 22) PER CALTRANS STANDARD PLAN RSP A24F
- 27B

INSTALL WHITE RIGHT EDGE LINE (DETAIL 27B) PER CALTRANS STD. PLAN RSP A20B
- 27C

INSTALL RIGHT EDGE LINE EXTENSION (DETAIL 27C) PER CALTRANS STD. PLAN RSP A20B
- 28

INSTALL YELLOW MEDIAN ISLAND LINES (DETAIL 28) PER CALTRANS STD. PLAN RSP A20B
- 38

INSTALL WHITE CHANNELIZING LINE (DETAIL 38) PER CALTRANS STD. PLAN RSP A20D
- 39

INSTALL WHITE BIKE LANE LINE (DETAIL 39) PER CALTRANS STD. PLAN RSP A20D

DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

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MATTHEW B. CAPUZZI, 69815 _____ DATE _____



PLANS FOR THE IMPROVEMENTS OF:

BAYSHORE BIKEWAY SEGMENT 5

SIGNING AND STRIPING PLANS

CITY OF NATIONAL CITY

ROBERTO YANO RCE# 56292
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

SHEET 60 OF 117 SHEETS

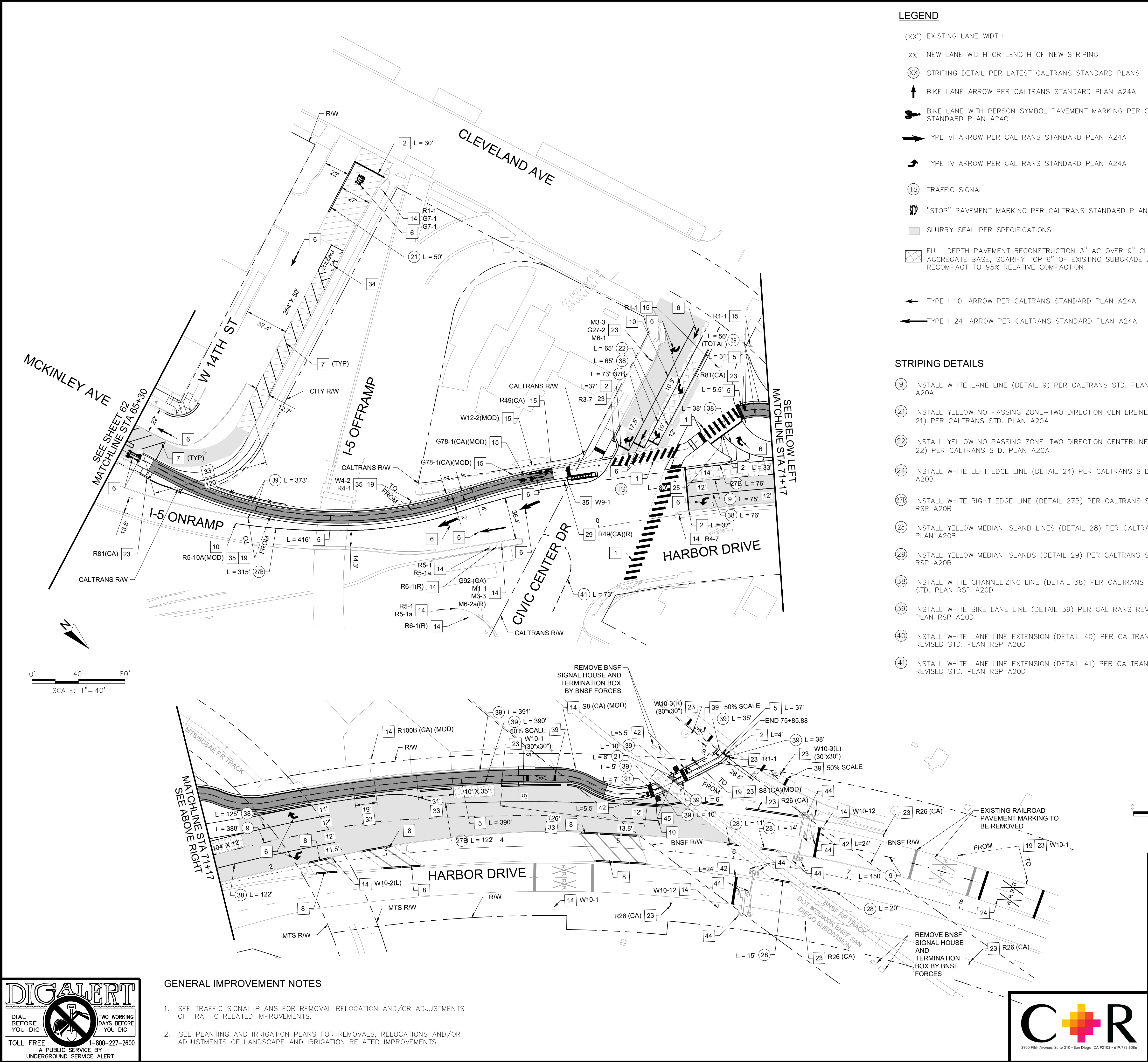
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Exhibit A

Plot date: 6/13/2023 3:53:00 PM

SURVEYOR:		BENCHMARK:		HORIZONTAL CONTROL:	
CONSTRUCTION RECORDS		DATE STARTED:		INSPECTOR:	
CONSTRUCTION SURVEYOR		NAME		COMPANY	
CONSTRUCTION SURVEYOR		NAME		COMPANY	
BY		DATE		DATE	
ENGINEERING DEPARTMENT		DATE		DATE	
AS-BUILT		DATE		DATE	
REVISIONS		DATE		DATE	



LEGEND

(XX') EXISTING LANE WIDTH
XX' NEW LANE WIDTH OR LENGTH OF NEW STRIPING
⊗ STRIPING DETAIL PER LATEST CALTRANS STANDARD PLANS
↑ BIKE LANE ARROW PER CALTRANS STANDARD PLAN A24A
BIKE LANE WITH PERSON SYMBOL PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24C
→ TYPE VI ARROW PER CALTRANS STANDARD PLAN A24A
↗ TYPE IV ARROW PER CALTRANS STANDARD PLAN A24A
Ⓣ TRAFFIC SIGNAL
"STOP" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D
SLURRY SEAL PER SPECIFICATIONS
FULL DEPTH PAVEMENT RECONSTRUCTION 3" AC OVER 9" CLASS 2 AGGREGATE BASE, SCARIFY TOP 6" OF EXISTING SUBGRADE AND RECOMPACT TO 95% RELATIVE COMPACTION
← TYPE I 10' ARROW PER CALTRANS STANDARD PLAN A24A
← TYPE I 24' ARROW PER CALTRANS STANDARD PLAN A24A

STRIPING DETAILS

9 INSTALL WHITE LANE LINE (DETAIL 9) PER CALTRANS STD. PLAN RSP A20A
21 INSTALL YELLOW NO PASSING ZONE-TWO DIRECTION CENTERLINE (DETAIL 21) PER CALTRANS STD. PLAN A20A
22 INSTALL YELLOW NO PASSING ZONE-TWO DIRECTION CENTERLINE (DETAIL 22) PER CALTRANS STD. PLAN A20A
24 INSTALL WHITE LEFT EDGE LINE (DETAIL 24) PER CALTRANS STD. PLAN A20B
27B INSTALL WHITE RIGHT EDGE LINE (DETAIL 27B) PER CALTRANS STD. PLAN RSP A20B
28 INSTALL YELLOW MEDIAN ISLAND LINES (DETAIL 28) PER CALTRANS STD. PLAN A20B
29 INSTALL YELLOW MEDIAN ISLANDS (DETAIL 29) PER CALTRANS STD. PLAN RSP A20B
38 INSTALL WHITE CHANNELIZING LINE (DETAIL 38) PER CALTRANS REVISED STD. PLAN RSP A20D
39 INSTALL WHITE BIKE LANE LINE (DETAIL 39) PER CALTRANS REVISED STD. PLAN RSP A20D
40 INSTALL WHITE LANE LINE EXTENSION (DETAIL 40) PER CALTRANS REVISED STD. PLAN RSP A20D
41 INSTALL WHITE LANE LINE EXTENSION (DETAIL 41) PER CALTRANS REVISED STD. PLAN RSP A20D

SIGNING AND MARKING NOTES

1 INSTALL WHITE THERMOPLASTIC CONTINENTAL CROSSWALK PER DETAIL ON SHEET 53.
2 INSTALL 12" WHITE THERMOPLASTIC LIMIT LINE AS SHOWN ON PLAN.
5 INSTALL BROKEN YELLOW SHARED USE PATH CENTERLINE PER MUTCD FIGURE 9C-2A.
6 INSTALL THERMOPLASTIC PAVEMENT MARKING PER CALTRANS STANDARD PLAN. SEE LEGEND ON THIS SHEET.
7 INSTALL ANGLED PARKING STALL PER DETAIL ON SHEET 53.
8 INSTALL YELLOW SHUR-CURB BOLTED POST DELINEATORS OR APPROVED EQUAL AT 10' INTERVALS O.C. AS SHOWN ON PLANS. SEE BUFFER/DELINEATOR DETAIL ON SHEET 57
10 MATCH EXISTING STRIPING
13 INSTALL 6" YELLOW DIAGONAL MARKING AT 45° AND 10 FEET CENTER TO CENTER
14 EXISTING SIGN TO REMAIN
15 REMOVE AND SALVAGE EXISTING SIGN
18 INSTALL NEW SIGN ON EXISTING POST
19 REMOVE AND REPLACE SIGN PER PLAN
20 INSTALL RED PAINTED CURB PER PLAN
21 INSTALL PED BARRICADE PER CITY OF SAN DIEGO STD DWG SDG-141
22 INSTALL 24" LIMIT LINE AS SHOWN ON PLANS
23 FURNISH AND INSTALL NEW SIGN ON BREAK-AWAY POST PER CITY STANDRAD DRAWING NO. 112-S-B
24 INSTALL HIGHWAY-RAIL GRADE CROSSING PAVEMENT MARKING PER MUTCD FIGURE 8B-7
25 FURNISH AND INSTALL 6" WIDE WHITE 2-COAT PAINT DIAGONAL MARKINGS AT 45° AND 12' SPACING CENTER TO CENTER.
28 DIAGONAL NO PARKING ZONE STRIPING PER DETAIL ON SHEET 58
29 FURNISH AND INSTALL NEW SIGN MOUNTED ON RETAINING WALL.
33 PAINT EXISTING CURB RED
35 FURNISH AND INSTALL NEW SIGN ON WOOD POST PER CALTRANS STD. PLAN RS2
39 RAILROAD CROSSING SYMBOL (THERMOPLASTIC) PER CTSP A24B
42 INSTALL 24" WHITE THERMOPLASTIC LIMIT LINE AS SHOWN ON PLAN.
44 REPLACE EXISING RR FLASHERS WITH NEW LED RR FLASHERS BY BNSF FORCES
45 INSTALL DOUBLE SIDED R15-8 PER MUTCD FIGURE 8C-4, HEIGHT = 7' BY BNSF FORCES

GENERAL IMPROVEMENT NOTES

1. SEE TRAFFIC SIGNAL PLANS FOR REMOVAL RELOCATION AND/OR ADJUSTMENTS OF TRAFFIC RELATED IMPROVEMENTS.
2. SEE PLANTING AND IRRIGATION PLANS FOR REMOVALS, RELOCATIONS AND/OR ADJUSTMENTS OF LANDSCAPE AND IRRIGATION RELATED IMPROVEMENTS.

DECLARATION OF RESPONSIBLE CHARGE

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MATTHEW B. CAPUZZI, 69815 DATE

Exhibit A

CALIFORNIA
NATIONAL CITY
1997
INCORPORATED

PLANS FOR THE IMPROVEMENTS OF:
BAYSHORE BIKEWAY SEGMENT 5
SIGNING AND STRIPING PLANS
CITY OF NATIONAL CITY

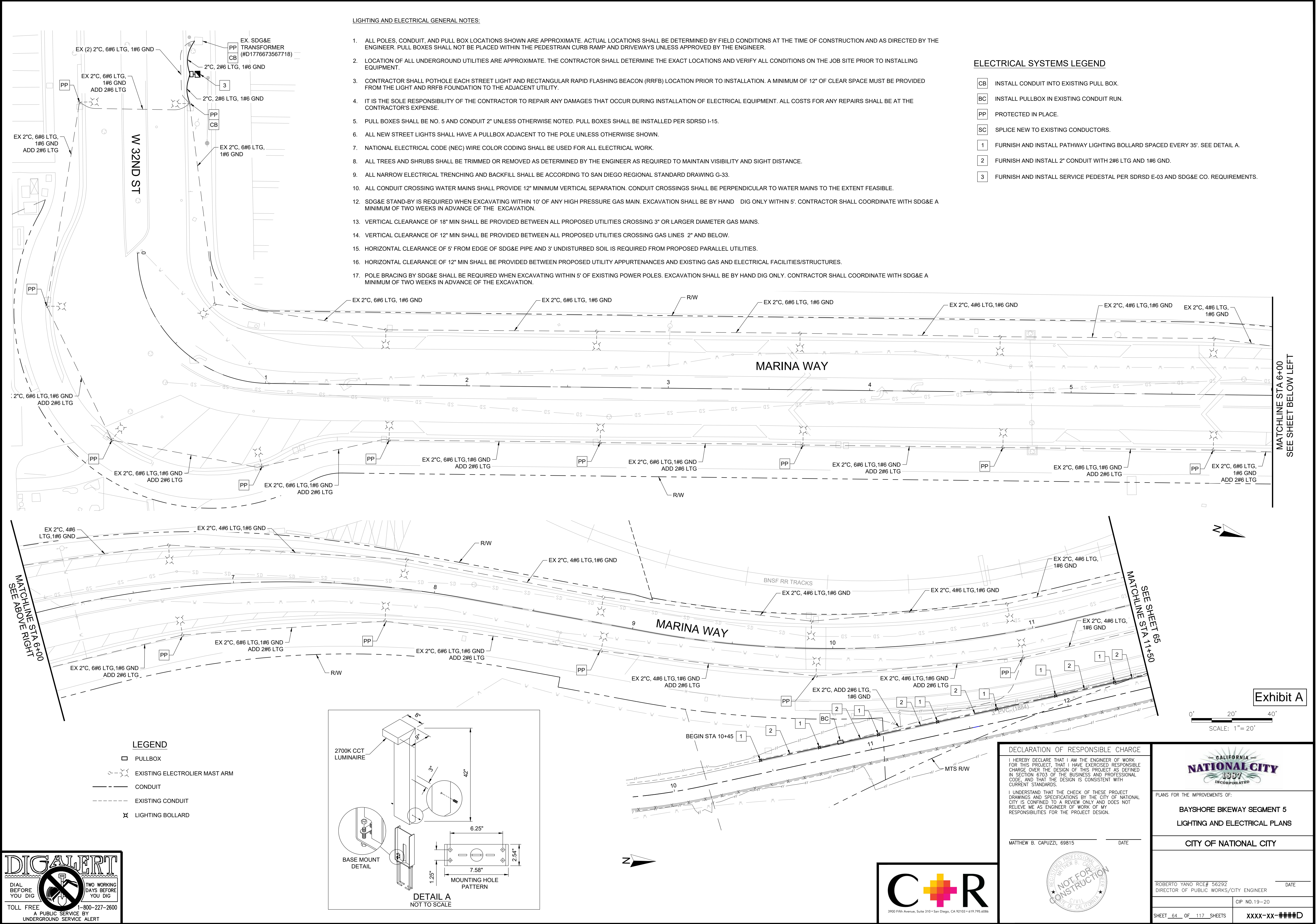
ROBERTO YANO RCE# 56292
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER DATE

SHEET 63 OF 117 SHEETS XXXX-XX-####D

Plot date: 6/13/2023 3:53:57 PM

ENGINEERING DEPARTMENT	CONSTRUCTION SURVEYOR		CONSTRUCTION RECORDS		SURVEYOR:	
	BY	DATE	DATE STARTED:	DATE COMPLETED:	BENCHMARK:	HORIZONTAL CONTROL:
	AS-BUILT					
	REVISIONS					

NAME	COMPANY	SIGNATURE
NAME	COMPANY	SIGNATURE


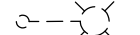

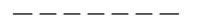



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



ENGINEERING DEPARTMENT	BY	APPROVED	DATE	CONSTRUCTION SURVEYOR		GEOLOGICAL OF RECORD		CONSTRUCTION RECORDS		SURVEYOR:	BENCHMARK:	HORIZONTAL CONTROL:	
				NAME	COMPANY	NAME	COMPANY	DATE STARTED:	INSPECTOR:				DATE COMPLETED:
				SIGNATURE		SIGNATURE							



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TOLL FREE 1-800-227-2600
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

- LEGEND**
-  PULLBOX
 -  EXISTING ELECTROLIER MAST ARM
 -  CONDUIT
 -  EXISTING CONDUIT
 -  LIGHTING BOLLARD

ELECTRICAL SYSTEMS LEGEND

-  BC INSTALL PULLBOX IN EXISTING CONDUIT RUN.
-  PP PROTECTED IN PLACE.
-  SC SPLICE NEW TO EXISTING CONDUCTORS.
-  1 FURNISH AND INSTALL PATHWAY LIGHTING BOLLARD SPACED EVERY 35'. SEE DETAIL A.
-  2 FURNISH AND INSTALL 2" CONDUIT WITH 2#6 LTG AND 1#6 GND.

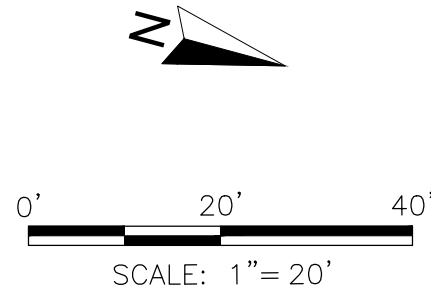
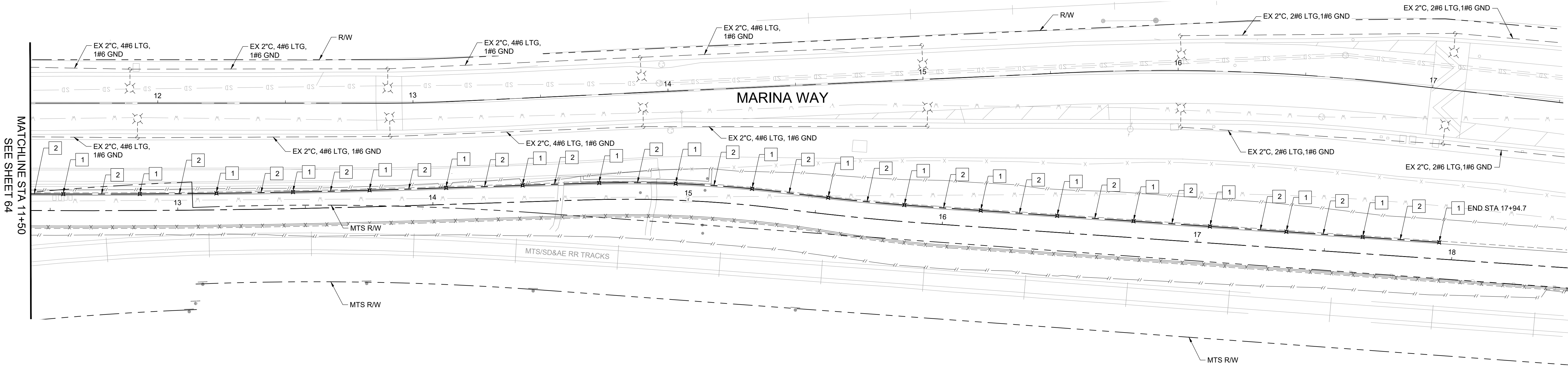




Exhibit A

DECLARATION OF RESPONSIBLE CHARGE I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS. I UNDERSTAND THAT THE CHECK OF THESE PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF NATIONAL CITY IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN. MATTHEW B. CAPUZZI, 69815 _____ DATE _____ 		 PLANS FOR THE IMPROVEMENTS OF: BAYSHORE BIKEWAY SEGMENT 5 LIGHTING AND ELECTRICAL PLANS CITY OF NATIONAL CITY ROBERTO YANO RCE# 56292 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER DATE _____ SHEET <u>65</u> OF <u>117</u> SHEETS XXXX-XX-65D
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DIGALERT

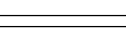
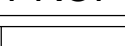
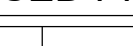
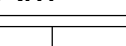


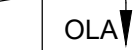
DIAL
BEFORE
YOU DIG



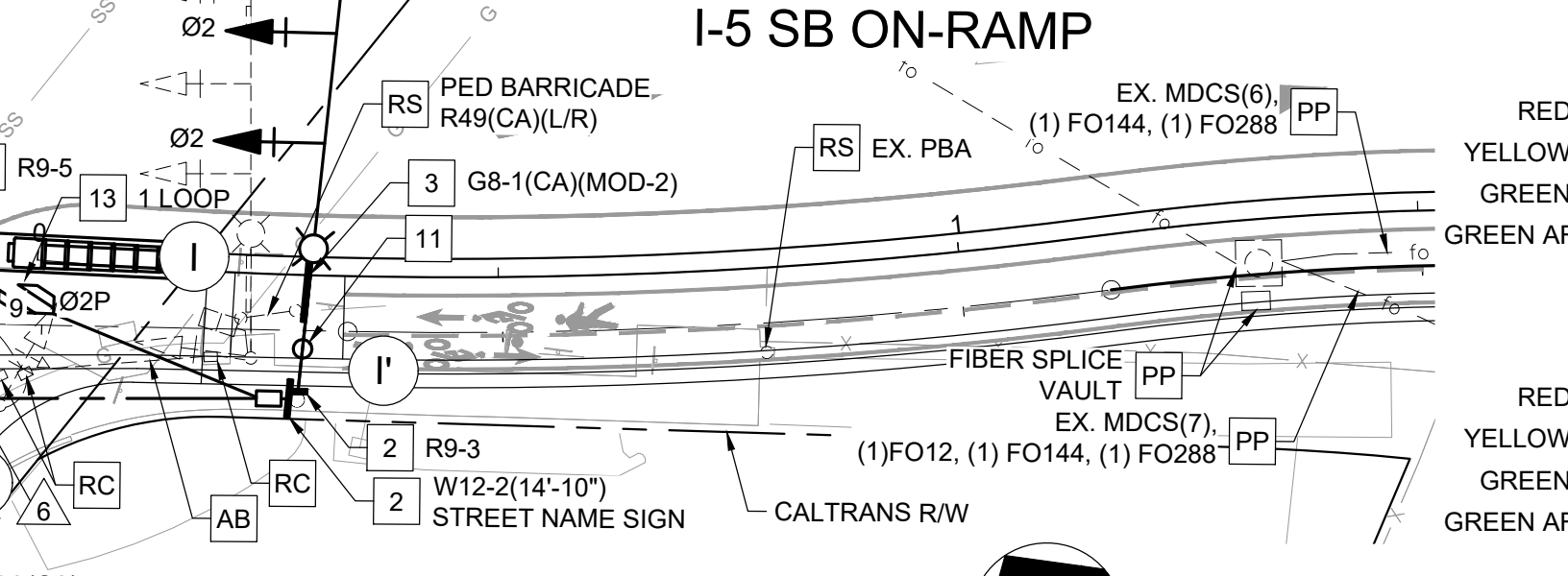
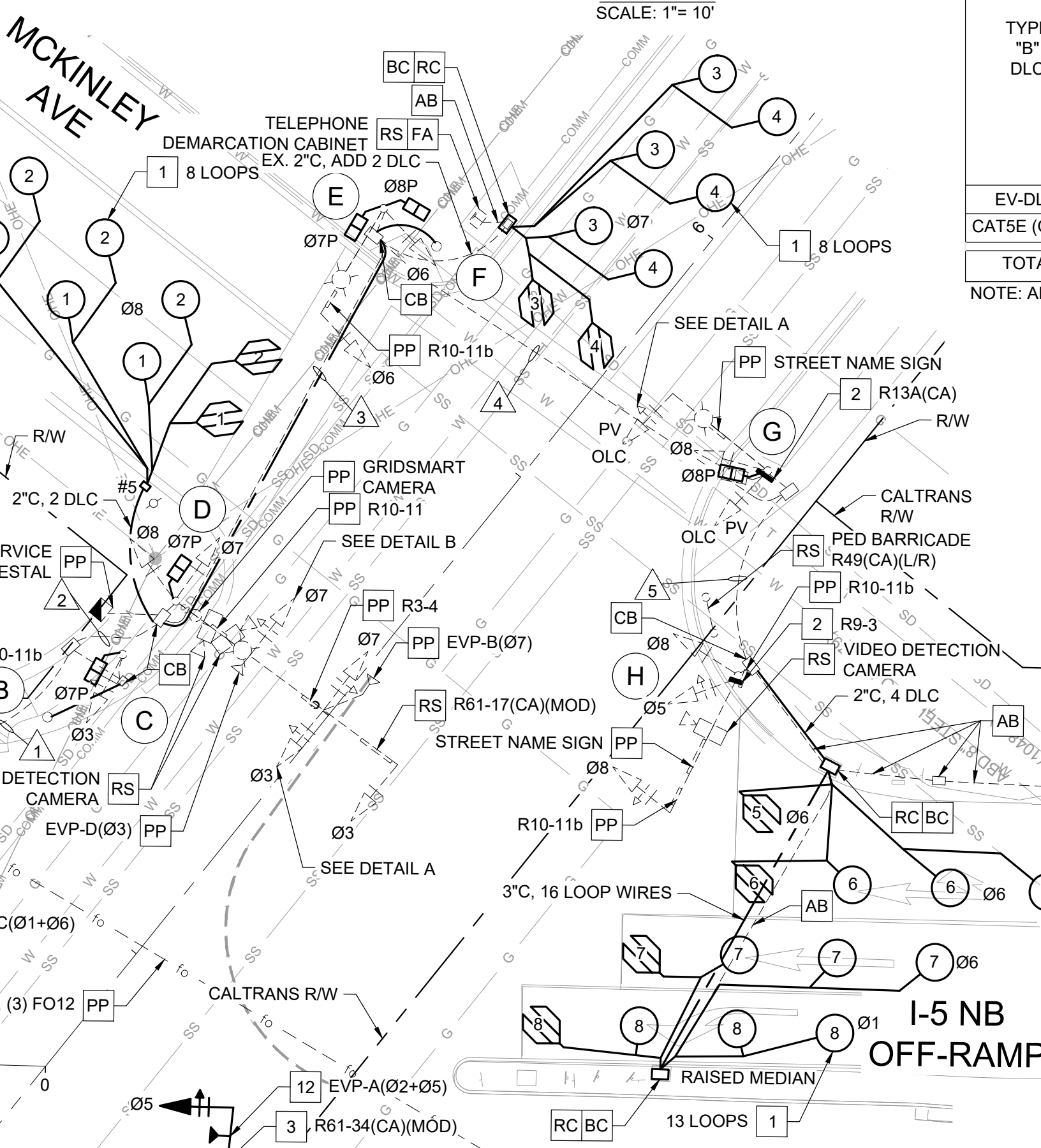
TWO WORKING
DAYS BEFORE
YOU DIG

TOLL FREE 1-800-227-2600

A PUBLIC SERVICE BY
UNDERGROUND SERVICE ALERT

PROPOSED PHASE DIAGRAM				
			NOT USED	
01	02	03	04	
				
05	06	07		08

FLASHING OPERATIONS SHALL BE ALL RED DURING FAULT STATE



TRAFFIC SIGNAL CONSTRUCTION NOTES:

- | | | | |
|----|---|----|--|
| AB | ABANDON AS NOTED. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS. | 7 | FURNISH AND INSTALL TOUCHLESS APS PPB. |
| AG | ADJUST TO GRADE. | 8 | FURNISH AND INSTALL PED SIGNAL HEAD ON NEW MOUNTING. |
| BC | FURNISH AND INSTALL NEW PB INTO EXISTING CONDUIT RUN. | 9 | FURNISH AND INSTALL PROGRAMMED VISIBILITY (PV) HEAD. YELLOW INDICATION SHALL NOT BE MASKED. PV HEAD PLACEMENT SHALL BE AT A POINT WHERE VISIBILITY IS 3.5 FT ABOVE GROUND FOR PASSENGER CARS AND 8 FT ABOVE GROUND FOR A TRUCK. PV HEAD ADJUSTMENT SHALL BE CONDUCTED IN THE FIELD PER CALTRANS INSPECTORS WORKING ON BEHALF OF THE CALTRANS ENGINEER. |
| CB | INSTALL CONDUIT INTO EXISTING PULL BOX. | | |
| FA | FOUNDATION TO BE ABANDONED. | | |
| PP | PROTECT IN PLACE PER PLAN. | 10 | FURNISH AND INSTALL (1) 242L DETECTOR CARD FOR RAILROAD INTERCONNECT INPUT. |
| RC | EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR. | 11 | FURNISH AND INSTALL GRIDSMART BELL CAMERA PERFORMANCE PLUS MODULE ON SIGNAL MAST ARM PER MANUFACTURER'S RECOMMENDATIONS. |
| RS | REMOVE AND SALVAGE EQUIPMENT. | 12 | FURNISH AND INSTALL SINGLE CHANNEL EMERGENCY VEHICLE PREEMPTION EQUIPMENT ON SIGNAL MAST ARM PER DETAIL D ON TRAFFIC SIGNAL NOTES AND DETAILS SHEET. |
| SC | SPLICE NEW TO EXISTING CONDUCTORS. | 13 | FURNISH AND INSTALL BIKE LOOP DETECTOR PER DETAILS A AND C ON SHEET 69. |
| 1 | FURNISH AND INSTALL VEHICLE LOOP DETECTOR PER DETAIL D ON SHEET 69. | 14 | FURNISH AND INSTALL SIGN ON POLE. SIGN SHALL BE INSTALLED ADJACENT TO PED SIGNAL HEAD. |
| 2 | FURNISH AND INSTALL SIGN ON POLE PER PLAN. | 15 | REMOVE AND SALVAGE EXISTING ITRIS VIDEO DETECTION CARS. |
| 3 | FURNISH AND INSTALL SIGN ON SIGNAL MAST ARM PER PLAN. | 16 | COIL MINIMUM 200' OF CAT6 CABLE (OCC) IN #6 PULLBOX FOR FUTURE CONNECTION OF ROADSIDE UNIT TO TRAFFIC SIGNAL CONTROLLER. |
| 4 | FURNISH AND INSTALL INTERCONNECTED WARNING LABEL FOR SIGNAL INTERCONNECT TO BNSF RR SIGNAL HOUSE. | | |
| 5 | REMOVE AND SALVAGE EX. PEDESTRIAN PUSH BUTTON. FILL ANY REMAINING HOLES LEFT IN STANDARD WITH CENTRAL GALVANIZED STEEL FASTENERS. | | |
| 6 | EXISTING PED SIGNAL HEAD AND MOUNTING TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR. | | |

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBILITY OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF THESE PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF NATIONAL CITY IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

TOMO TAKAHASHI, 8152

DATE _____



CALIFORNIA
 NATIONAL CITY
 1887
 INCORPORATED

PLANS FOR THE IMPROVEMENTS OF:

BAYSHORE BIKEWAY SEGMENT 5

HARBOR DR. AND CIVIC CENTER DR.

TRAFFIC SIGNAL MODIFICATION PLAN

CITY OF NATIONAL CITY

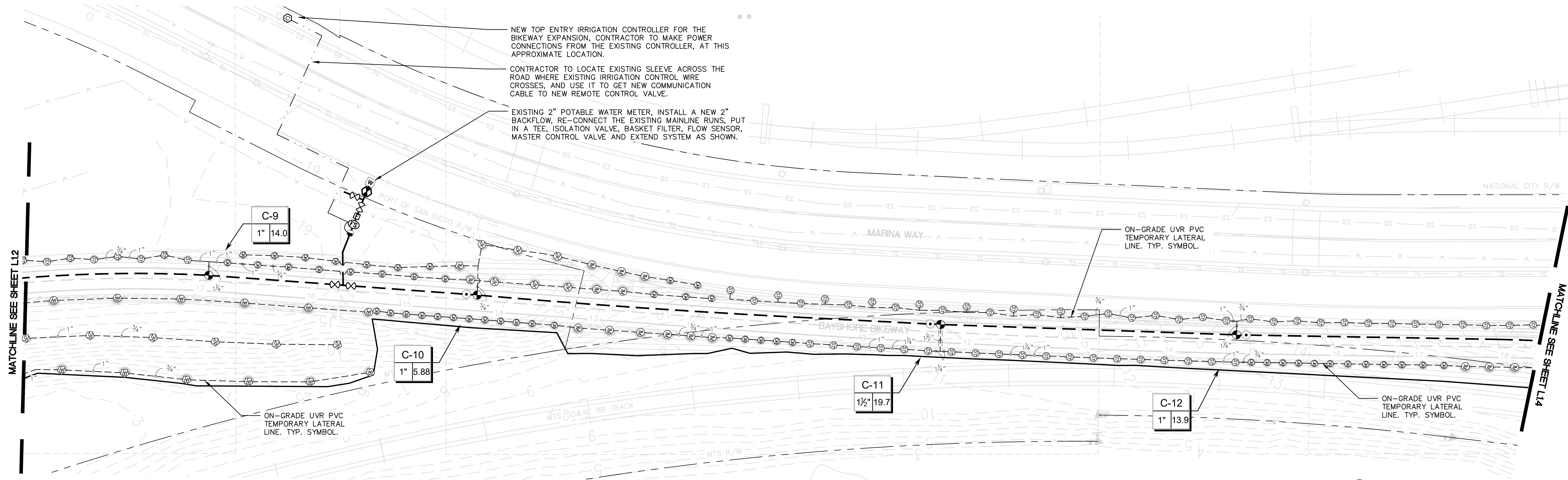
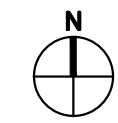
ROBERTO YANO RCE# 56292
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

CIP NO.19-2

SHEET 70 OF 117 SHEETS

ENGINEERING DEPARTMENT	BY	APPROVED	DATE	CONSTRUCTION SURVEYOR		CONSTRUCTION RECORDS		SURVEYOR:
				NAME	COMPANY	DATE STARTED:	BENCHMARK:	
				SIGNATURE		INSPECTOR:		
				SIGNATURE		DATE COMPLETED:	HORIZONTAL CONTROL:	
AS-BUILT								
REVISIONS								

KEY MAP



IRRIGATION CONSTRUCTION NOTES:

- IRRIGATION CONTROLLER:
120 VAC POWER TO BE OBTAINED FROM THE EXISTING CONTROLLER. CONTRACTOR SHALL ROUTE POWER CABLE TO CONTROLLER IN PVC CONDUIT AND MAKE PERMANENT CONNECTION TO THE CONTROLLER. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING ORDINANCE AND/OR LOCAL CODE. THIS WORK TO INCLUDE CERTIFICATION FROM IMPERIAL TECHNICAL SERVICES EVIDENCE OF PROPER FUNCTION OF CONTROLS WITH FLOW SENSING AND MASTER CONTROL VALVE REACTION, OF WEATHER SENSING AND SCHEDULE ADJUSTMENT REACTION. FINAL INSTALLATION WILL BE COMPLETED TO THE SATISFACTION OF THE CITY OF NATIONAL CITY.
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B. STATIC WATER PRESSURE AT PRIMARY POC UPSTREAM OF BACKFLOW PREVENTION DEVICE. 95 PSI TO BE VERIFIED.
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- ROADWAY CROSSING- MAINLINE, LATERAL LINE AND CONTROL WIRE SLEEVES UNDER ALL PAVING. SLEEVES TWO TIMES DIA. OF PIPE, 2" MIN. (TYP.) PULL BOX- CONTROL WIRE SLEEVES UNDER ALL PAVING TO TERMINATE AT A PULL BOX (BOTH ENDS).
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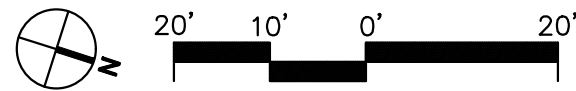
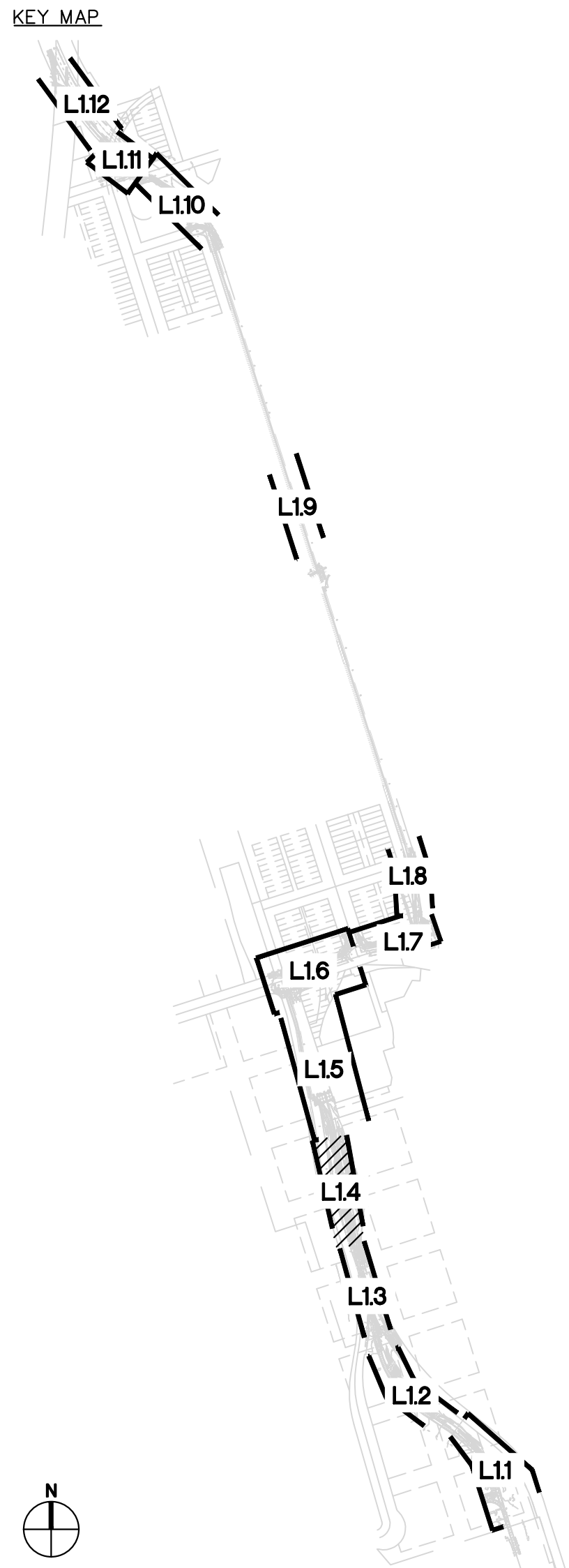


Exhibit A

DECLARATION OF RESPONSIBLE CHARGE	
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MATTHEW B. CAPUZZI, 69815	DATE
PLANS FOR THE IMPROVEMENTS OF:	
BAYSHORE BIKEWAY SEGMENT 5	
IRRIGATION PLAN	
CITY OF NATIONAL CITY	
ROBERTO YANO RCE# 56292 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER	
DATE	
CIP NO.19-20	
SHEET 72 OF 117 SHEETS	L13-xx- D

ENGINEERING DEPARTMENT	BY	APPROVED	DATE	CONSTRUCTION SURVEYOR		CONSTRUCTION RECORDS		SURVEYOR:		
				NAME	COMPANY	DATE STARTED:	BENCHMARK:			
									SIGNATURE	INSPECTOR:
AS-BUILT										
REVISIONS										

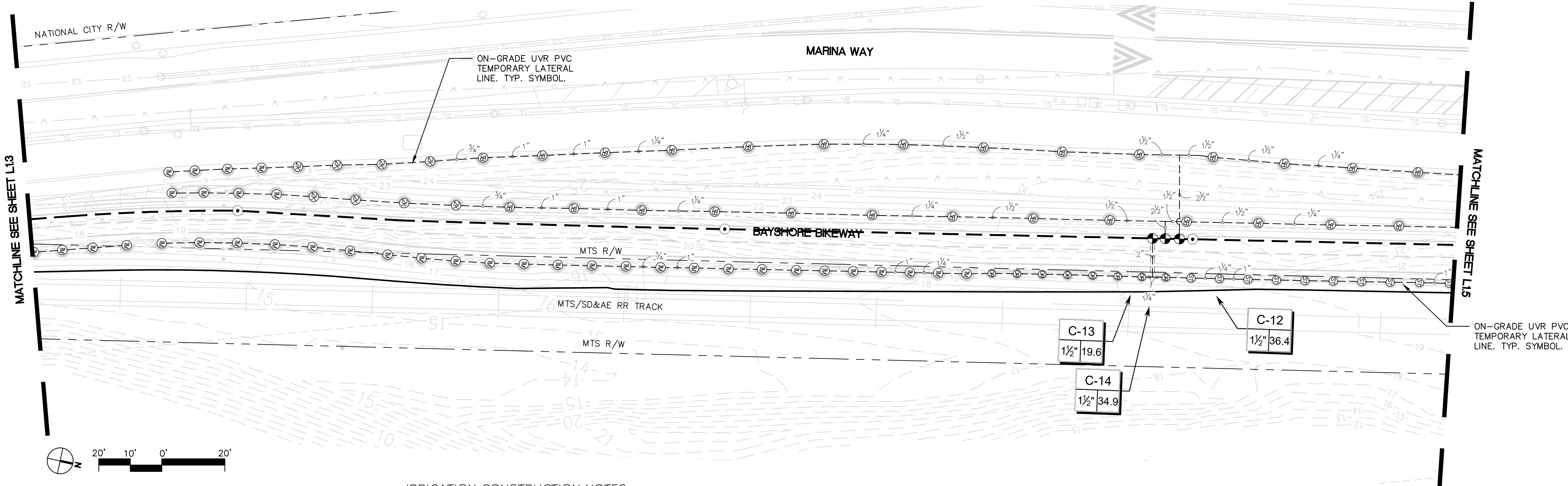


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TWO WORKING DAYS BEFORE YOU DIG

TOLL FREE 1-800-227-2600

A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT



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MATTHEW B. CAPUZZI, 69815	DATE
PLANS FOR THE IMPROVEMENTS OF:	
BAYSHORE BIKEWAY SEGMENT 5	
IRRIGATION PLAN	
CITY OF NATIONAL CITY	
ROBERTO YANO RCE# 56292 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER	
DATE	
CIP NO.19-20	
SHEET 73 OF 117 SHEETS	L14-xx- D

Exhibit A

ENGINEERING DEPARTMENT	AS-BUILT	BY	APPROVED	DATE	CONSTRUCTION SURVEYOR		GEO TECHNICAL OF RECORD		CONSTRUCTION RECORDS		SURVEYOR: _____	BENCHMARK: _____	HORIZONTAL CONTROL: _____		
					NAME	COMPANY	SIGNATURE	NAME	COMPANY	DATE STARTED: _____				INSPECTOR: _____	DATE COMPLETED: _____

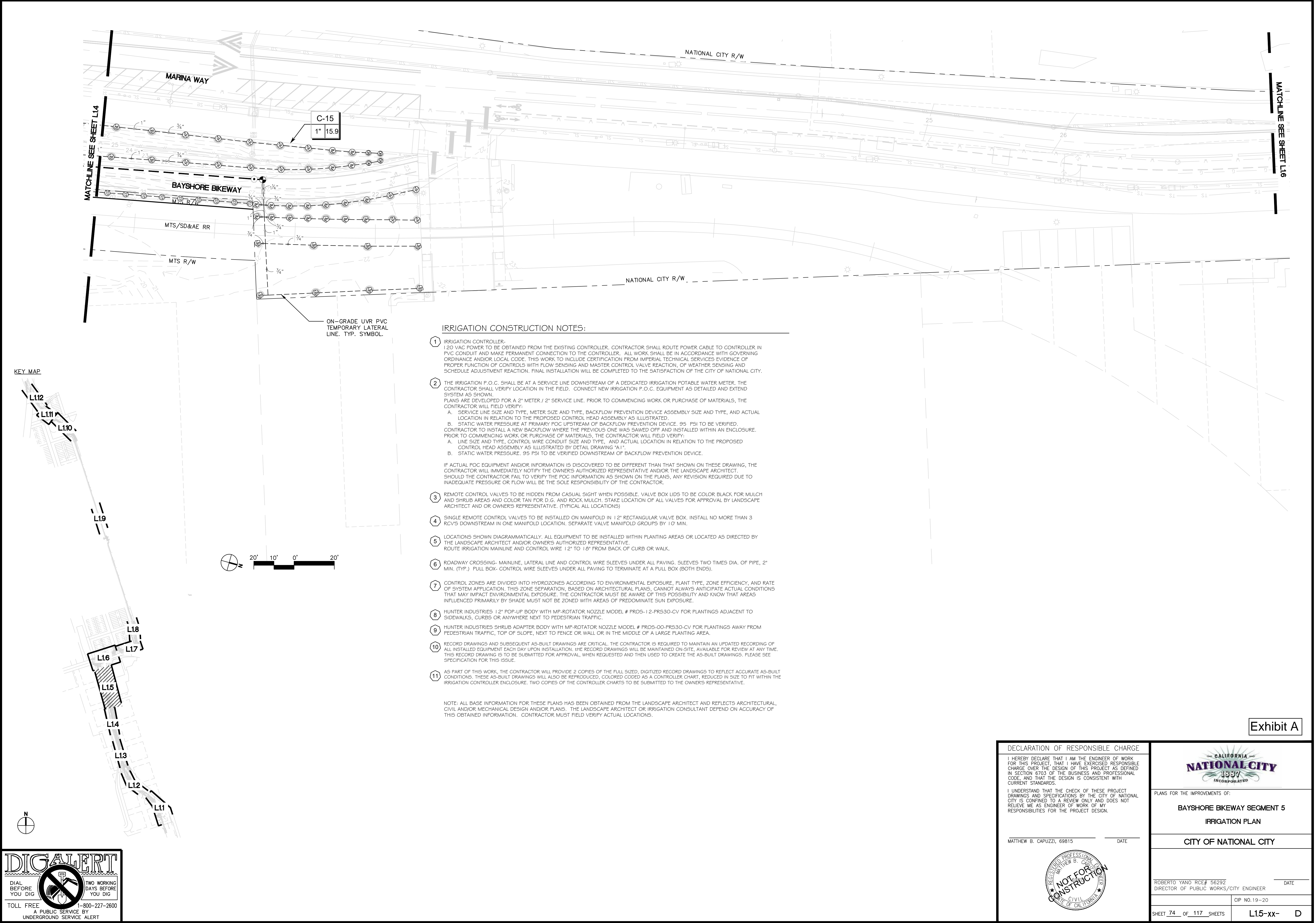
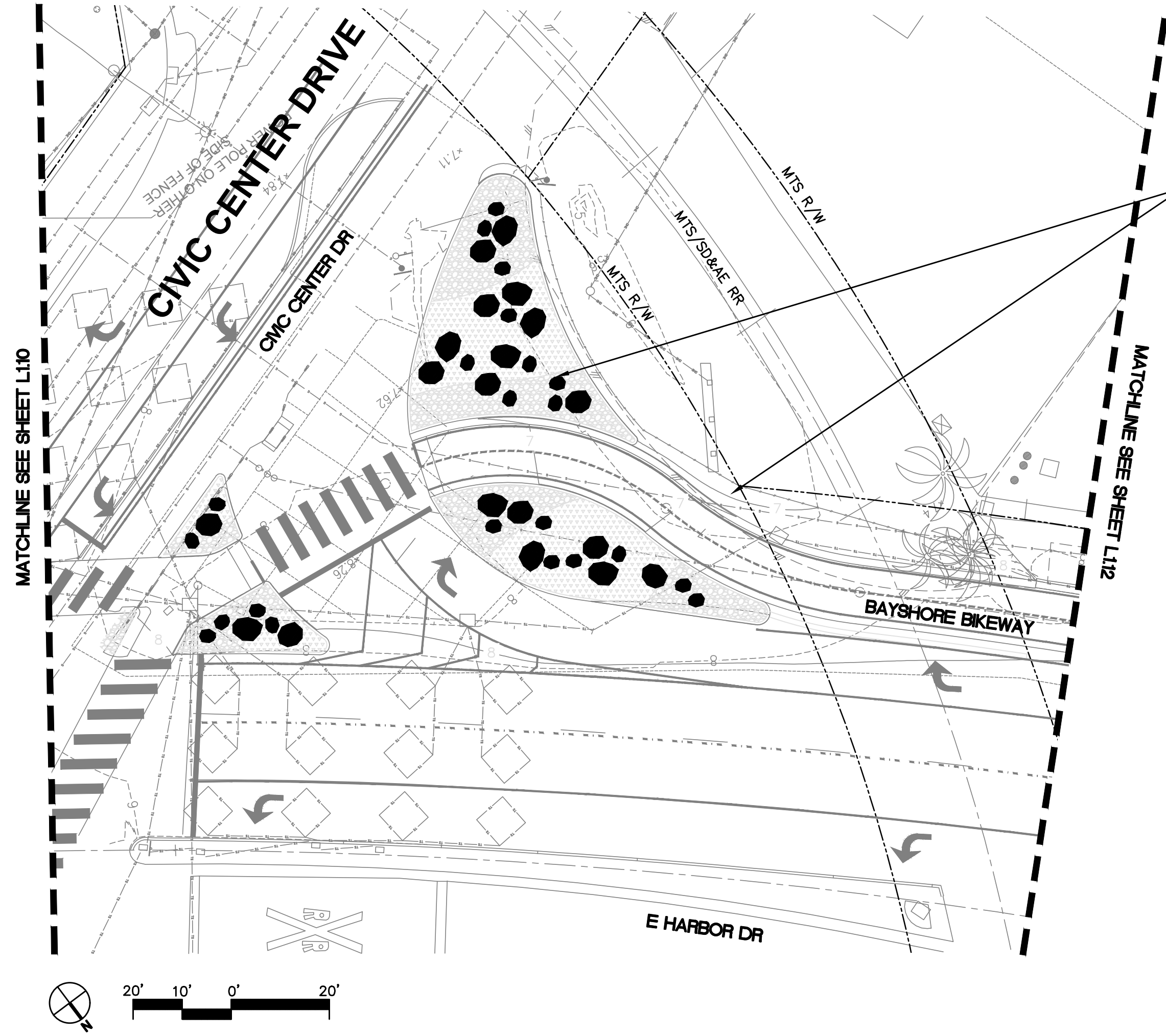


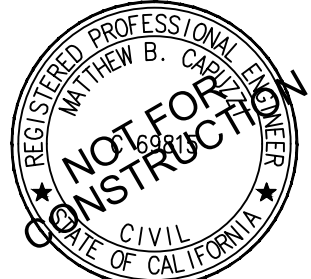
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MATTHEW B. CAPUZZI, 69815	DATE _____
PLANS FOR THE IMPROVEMENTS OF: BAYSHORE BIKEWAY SEGMENT 5 IRRIGATION PLAN	
CITY OF NATIONAL CITY	
ROBERTO YANO RCE# 56292 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER	
CIP NO.19-20	DATE _____
SHEET 74 OF 117 SHEETS	L15-xx- D

ENGINEERING DEPARTMENT	BY	APPROVED	DATE	CONSTRUCTION SURVEYOR		CONSTRUCTION RECORDS		SURVEYOR: _____	
				NAME	COMPANY	NAME	COMPANY	DATE STARTED: _____	BENCHMARK: _____
REVISIONS				SIGNATURE		INSPECTOR: _____	HORIZONTAL CONTROL: _____		
AS-BUILT						DATE COMPLETED: _____			



NO PLANTING OR IRRIGATION IN THESE AREAS. THE CONTRACTOR SHALL VERIFY THERE ARE NO ACTIVE OR CHARGED SYSTEMS, IF ANY ARE FOUND, INFORM THE LANDSCAPE ARCHITECT AND/OR THE OWNER'S REPRESENTATIVE.

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MATTHEW B. CAPUZZI, 69815	DATE _____
	


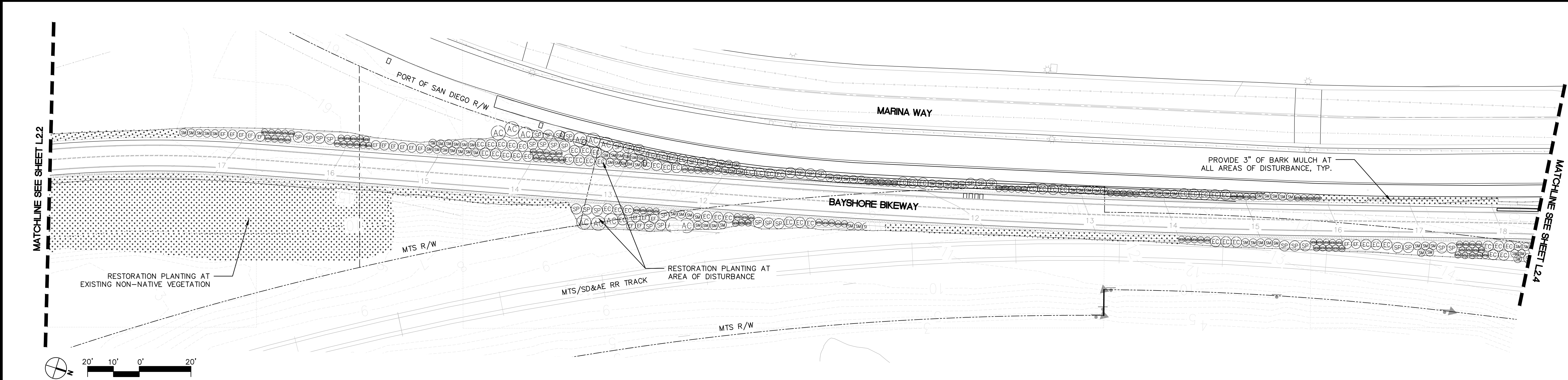
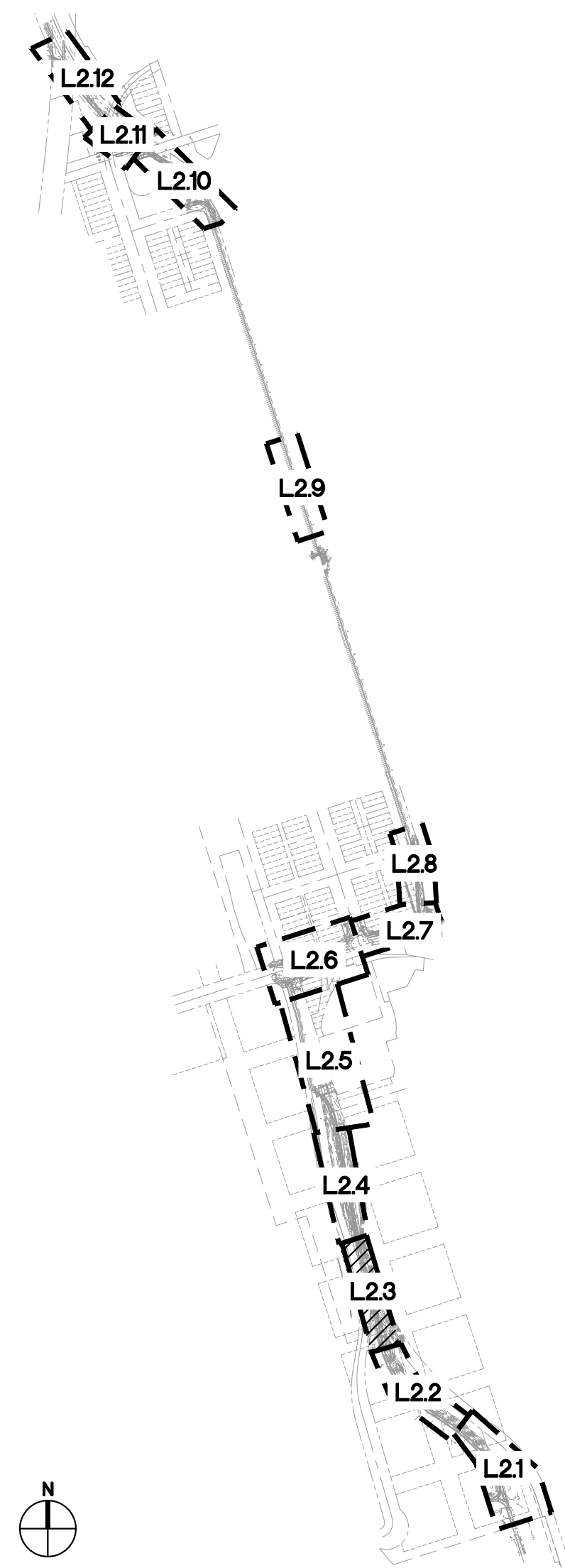
	
PLANS FOR THE IMPROVEMENTS OF:	
BAYSHORE BIKEWAY SEGMENT 5	
IRRIGATION PLAN	
CITY OF NATIONAL CITY	
ROBERTO YANO RCE# 56292	
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER	
DATE _____	
CIP NO.19-20	
SHEET 80 OF 117 SHEETS	L111-xx- D

Exhibit A

ENGINEERING DEPARTMENT	BY	APPROVED	DATE	CONSTRUCTION SURVEYOR		CONSTRUCTION RECORDS		SURVEYOR:	BENCHMARK:
				NAME	COMPANY	DATE STARTED:			
				SIGNATURE		INSPECTOR:			
REVISIONS				DATE COMPLETED:		HORIZONTAL CONTROL:			



KEY MAP



PLANTING LEGEND

SEE SHEET L2.13 FOR FULL PLANT LEGEND	
SHRUBS	BOTANICAL / COMMON NAME
(AC)	ARTEMISIA CALIFORNICA CALIFORNIA SAGEBRUSH
(EC)	ENCELIA CALIFORNICA COAST SUNFLOWER
(EF)	ERIOGONUM FASCICULATUM CALIFORNIA BUCKWHEAT
(EP)	LUPINUS ALBIFRONS SILVER BUSH LUPINE
(ML)	MALOSMA LAURINA LAUREL SUMAC
(MU)	MIMULUS AURANTIACUS STICKY MONKEY FLOWER
(MP)	MIMULUS AURANTIACUS VAR. PUNICEUS RED BUSH STICKY MONKEYFLOWER
(MR)	MUHLENBERGIA RIGENS DEER GRASS
(SP)	SALVIA APIANA WHITE SAGE
(SM)	SALVIA MELLIFERA BLACK SAGE

SHRUB AREAS	BOTANICAL / COMMON NAME
(Pattern)	ERIOGONUM GRANDE VAR. RUBESCENS RED-FLOWERED BUCKWHEAT
(Pattern)	FESTUCA CALIFORNICA CALIFORNIA FESCUE

HYDROSEED LEGEND

REFER TO L2.13 FOR HYDROSEED MIX

SYMBOL	NAME
(Pattern)	COASTAL SAGE SCRUB MIX
(Pattern)	SALT MARSH ADJACENT MIX

LANDSCAPE LEGEND

SYMBOL	ITEM	DETAIL
(Pattern)	ROCK MULCH, TYPE 1	4 L2.14
(Pattern)	ROCK MULCH, TYPE 2	4 L2.14
(Pattern)	ROCK MULCH, TYPE 3	4 L2.14
(Symbol)	BOULDERS	5 L2.14
(Symbol)	PERCOLATION AND SOIL TEST LOCATION	

RESTORATION CALCULATIONS

ITEM	QUANTITY
TOTAL AREA OF DISTURBANCE AT COASTAL SAGE SCRUB VEGETATION	1.27 ACRES
RESTORATION PLANTING AREA AT AREA OF DISTURBANCE	0.29 ACRES
RESTORATION PLANTING AREA AT EXISTING NON-NATIVE VEGETATION	0.98 ACRES

- NOTES
- BARK MULCH OF 3" DEPTH TO BE PROVIDED AT ALL AREAS OF DISTURBANCE AND ALL PLANTING AREAS, UNLESS NOTED ON PLAN.
TYPE: COMPOSTED MULCH PRODUCT, DARK IN COLOR, HIGH IN ORGANIC CONTENT AND COMPRISED OF YARD TRIMMINGS, FREE OF TRASH AND OTHER DELETERIOUS MATERIALS AND ANIMAL WASTE, WITH PATHOGENS AND WEEDS REMOVED BY TEMPERATURE TREATMENT.
SIZE RANGE: 3" SCREENED (PERENNIAL MULCH)
MANUFACTURER: AGRI SERVICE INC. (800) 262-4167 OR NATIONAL CITY APPROVED EQUAL
 - ASSUME ALL NATIVE OR IMPORT SOILS TO BE AMENDED PER SOIL REPORT RECOMMENDATIONS.
 - SEE SHEET L2.13 FOR HYDROSEED AREA PREPARATION AND INSTALLATION NOTES.
 - SEE SHEETS L2.13 AND L2.15 FOR FULL PLANTING LEGEND AND NOTES.

Exhibit A



DECLARATION OF RESPONSIBLE CHARGE			
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MATTHEW B. CAPUZZI, 69815		CITY OF NATIONAL CITY	
DATE			
ROBERTO YANO RCE# 56292 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER		DATE	
CIP NO.19-20			
SHEET 90 OF 117 SHEETS		L23-xx- D	

Architectural drawing of the Bayshore Bikeway Segment 5 Planting Plan. The plan shows the layout of the bikeway, including the MTS R/W, MTS/SD&AE RR TRACK, and MARINA WAY. It details the restoration planting areas, including the area of disturbance and the area of existing non-native vegetation. The plan includes a key map, a planting legend, a hydroseed legend, a landscape legend, and restoration calculations.

PLANTING LEGEND

SEE SHEET L2.13 FOR FULL PLANT LEGEND

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PM	MIMULUS AURANTIACUS VAR. PUNICEUS RED BUSH STICKY MONKEYFLOWER
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SM	SALVIA MELLIFERA BLACK SAGE

SHRUB AREAS	BOTANICAL / COMMON NAME
	ERIOGONUM GRANDE VAR. RUBESCENS RED-FLOWERED BUCKWHEAT
	FESTUCA CALIFORNICA CALIFORNIA FESCUE

HYDROSEED LEGEND

REFER TO L2.13 FOR HYDROSEED MIX

SYMBOL	NAME
	COASTAL SAGE SCRUB MIX
	SALT MARSH ADJACENT MIX

LANDSCAPE LEGEND

SYMBOL	ITEM	DETAIL
	ROCK MULCH, TYPE 1	4 L2.14
	ROCK MULCH, TYPE 2	4 L2.14
	ROCK MULCH, TYPE 3	4 L2.14
	BOULDERS	5 L2.14
X	PERCOLATION AND SOIL TEST LOCATION	

RESTORATION CALCULATIONS

ITEM	QUANTITY
TOTAL AREA OF DISTURBANCE AT COASTAL SAGE SCRUB VEGETATION	1.27 ACRES
RESTORATION PLANTING AREA AT AREA OF DISTURBANCE	0.29 ACRES
RESTORATION PLANTING AREA AT EXISTING NON-NATIVE VEGETATION	0.98 ACRES

NOTES

- BARK MULCH OF 3" DEPTH TO BE PROVIDED AT ALL AREAS OF DISTURBANCE AND ALL PLANTING AREAS, UNLESS NOTED ON PLAN.
TYPE: COMPOSTED MULCH PRODUCT, DARK IN COLOR, HIGH IN ORGANIC CONTENT AND COMPRISED OF YARD TRIMMINGS, FREE OF TRASH AND OTHER DELETERIOUS MATERIALS AND ANIMAL WASTE, WITH PATHOGENS AND WEEDS REMOVED BY TEMPERATURE TREATMENT.
SIZE RANGE: 3" SCREENED (PERENNIAL MULCH)
MANUFACTURER: AGRI SERVICE INC. (800) 262-4167 OR NATIONAL CITY APPROVED EQUAL
- ASSUME ALL NATIVE OR IMPORT SOILS TO BE AMENDED PER SOIL REPORT RECOMMENDATIONS.
- SEE SHEET L2.13 FOR HYDROSEED AREA PREPARATION AND INSTALLATION NOTES.
- SEE SHEETS L2.13 AND L2.15 FOR FULL PLANTING LEGEND AND NOTES.

DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF THESE PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF NATIONAL CITY IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

MATTHEW B. CAPUZZI, 69815 DATE

CITY OF NATIONAL CITY

PLANS FOR THE IMPROVEMENTS OF:

BAYSHORE BIKEWAY SEGMENT 5

PLANTING PLAN

CITY OF NATIONAL CITY

ROBERTO YANO RCE# 56292 DATE
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

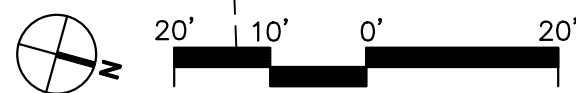
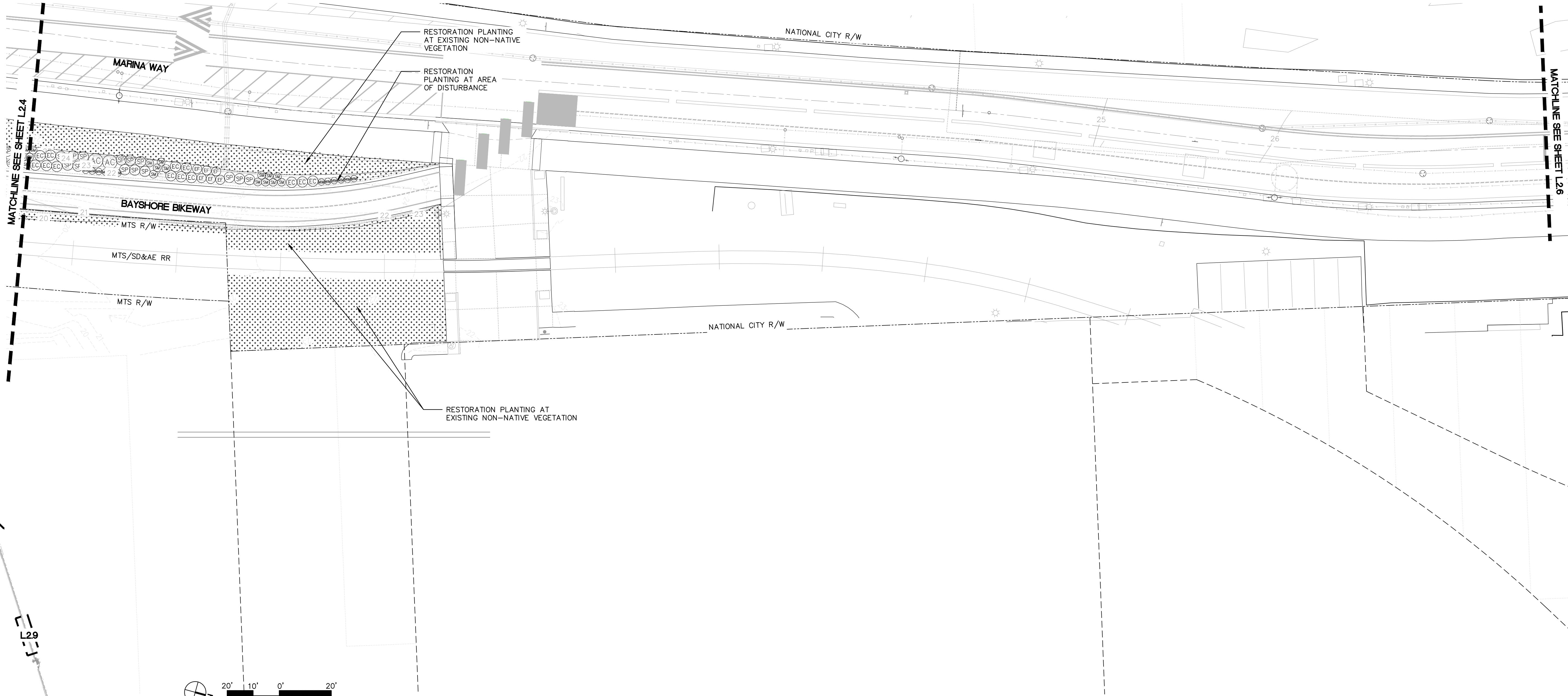
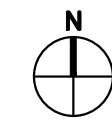
CIP NO.19-20

SHEET 91 OF 117 SHEETS

L2.4-xx- D

SURVEYOR:	CONSTRUCTION RECORDS		GEOTECHNICAL OF RECORD		CONSTRUCTION SURVEYOR		ENGINEERING DEPARTMENT	
	BENCHMARK:	DATE STARTED:	NAME	DATE	BY	APPROVED	AS-BUILT	
HORIZONTAL CONTROL:	INSPECTOR:	SIGNATURE	NAME				REVISIONS	
	DATE COMPLETED:		SIGNATURE					

KEY MAP



PLANTING LEGEND

SEE SHEET L2.13 FOR FULL PLANT LEGEND

SHRUBS	BOTANICAL / COMMON NAME
(AC)	ARTEMISIA CALIFORNICA CALIFORNIA SAGEBRUSH
(EC)	ENCELIA CALIFORNICA COAST SUNFLOWER
(EF)	ERIOGONUM FASCICULATUM CALIFORNIA BUCKWHEAT
(LP)	LUPINUS ALBIFRONS SILVER BUSH LUPINE
(ML)	MALOSMA LAURINA LAUREL SUMAC
(MU)	MIMULUS AURANTIACUS STICKY MONKEY FLOWER
(PUN)	MIMULUS AURANTIACUS VAR. PUNICEUS RED BUSH STICKY MONKEYFLOWER
(MR)	MUHLLENBERGIA RIGENS DEER GRASS
(SP)	SALVIA APIANA WHITE SAGE
(SW)	SALVIA MELLIFERA BLACK SAGE

SHRUB AREAS	BOTANICAL / COMMON NAME
(ER)	ERIOGONUM GRANDE VAR. RUBESCENS RED-FLOWERED BUCKWHEAT
(FC)	FESTUCA CALIFORNICA CALIFORNIA FESCUE

HYDROSEED LEGEND

REFER TO L2.13 FOR HYDROSEED MIX

SYMBOL	NAME
(CS)	COASTAL SAGE SCRUB MIX
(SM)	SALT MARSH ADJACENT MIX

LANDSCAPE LEGEND

SYMBOL	ITEM	DETAIL
(RM1)	ROCK MULCH, TYPE 1	(4) L2.14
(RM2)	ROCK MULCH, TYPE 2	(4) L2.14
(RM3)	ROCK MULCH, TYPE 3	(4) L2.14
(B)	BOULDERS	(5) L2.14
(X)	PERCOLATION AND SOIL TEST LOCATION	

RESTORATION CALCULATIONS

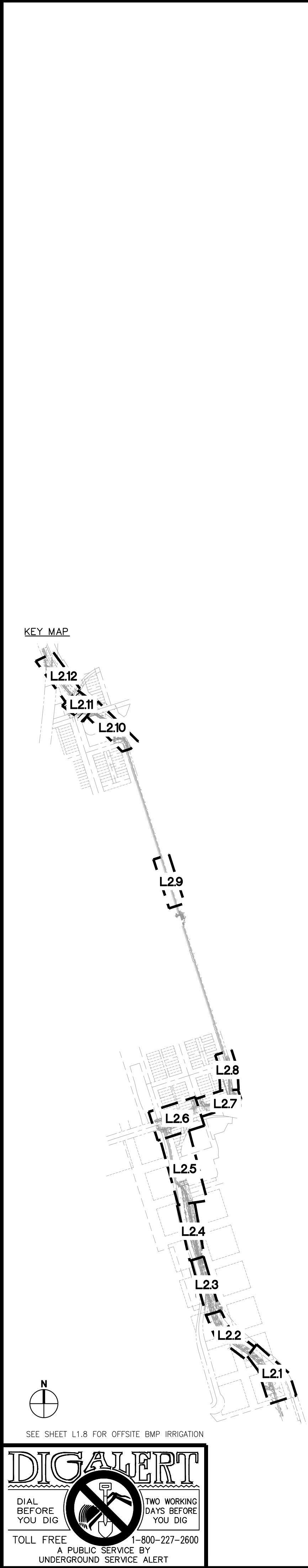
ITEM	QUANTITY
TOTAL AREA OF DISTURBANCE AT COASTAL SAGE SCRUB VEGETATION	1.27 ACRES
RESTORATION PLANTING AREA AT AREA OF DISTURBANCE	0.29 ACRES
RESTORATION PLANTING AREA AT EXISTING NON-NATIVE VEGETATION	0.98 ACRES

- NOTES
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TYPE: COMPOSTED MULCH PRODUCT, DARK IN COLOR, HIGH IN ORGANIC CONTENT AND COMPRISED OF YARD TRIMMINGS, FREE OF TRASH AND OTHER DELETERIOUS MATERIALS AND ANIMAL WASTE, WITH PATHOGENS AND WEEDS REMOVED BY TEMPERATURE TREATMENT.
SIZE RANGE: 3/8" SCREENED (PERENNIAL MULCH)
MANUFACTURER: AGRI SERVICE INC. (800) 262-4167 OR NATIONAL CITY APPROVED EQUAL
 - ASSUME ALL NATIVE OR IMPORT SOILS TO BE AMENDED PER SOIL REPORT RECOMMENDATIONS.
 - SEE SHEET L2.13 FOR HYDROSEED AREA PREPARATION AND INSTALLATION NOTES.
 - SEE SHEETS L2.13 AND L2.15 FOR FULL PLANTING LEGEND AND NOTES.

Exhibit A

DECLARATION OF RESPONSIBLE CHARGE		CALIFORNIA NATIONAL CITY 1997 INCORPORATED	
I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.		PLANS FOR THE IMPROVEMENTS OF:	
I UNDERSTAND THAT THE CHECK OF THESE PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF NATIONAL CITY IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.		BAYSHORE BIKEWAY SEGMENT 5 PLANTING PLAN	
MATTHEW B. CAPUZZI, 69815		CITY OF NATIONAL CITY	
DATE		DATE	
		ROBERTO YANO RCE# 56292 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER	
		CIP NO.19-20	
		SHEET 92 OF 117 SHEETS	
		L2.5-xx- D	

ENGINEERING DEPARTMENT	AS-BUILT	REVISIONS	CONSTRUCTION SURVEYOR		CONSTRUCTION RECORDS		SURVEYOR: _____
			NAME	COMPANY	DATE STARTED: _____	BENCHMARK: _____	
			SIGNATURE		INSPECTOR: _____		
					DATE COMPLETED: _____	HORIZONTAL CONTROL: _____	



PLANTING LEGEND

SEE SHEET L2.13 FOR FULL PLANT LEGEND

SHRUBS	BOTANICAL / COMMON NAME
AC	ARTEMISIA CALIFORNICA CALIFORNIA SAGEBRUSH
EC	ENCELIA CALIFORNICA COAST SUNFLOWER
EF	ERIOGONUM FASCICULATUM CALIFORNIA BUCKWHEAT
EP	LUPINUS ALBIFRONS SILVER BUSH LUPINE
ML	MALOSMA LAURINA LAUREL SUMAC
MO	MIMULUS AURANTIACUS STICKY MONKEY FLOWER
MP	MIMULUS AURANTIACUS VAR. PUNICEUS RED BUSH STICKY MONKEYFLOWER
MR	MUHLENBERGIA RIGENS DEER GRASS
SP	SALVIA APIANA WHITE SAGE
SW	SALVIA MELLIFERA BLACK SAGE

SHRUB AREAS	BOTANICAL / COMMON NAME
	ERIOGONUM GRANDE VAR. RUBESCENS RED-FLOWERED BUCKWHEAT
	FESTUCA CALIFORNICA CALIFORNIA FESCUE

HYDROSEED LEGEND

REFER TO L2.13 FOR HYDROSEED MIX

SYMBOL	NAME
	COASTAL SAGE SCRUB MIX
	SALT MARSH ADJACENT MIX

LANDSCAPE LEGEND

SYMBOL	ITEM	DETAIL
	ROCK MULCH, TYPE 1	
	ROCK MULCH, TYPE 2	
	ROCK MULCH, TYPE 3	
	BOULDERS	
	PERCOLATION AND SOIL TEST LOCATION	

NOTES

- BARK MULCH OF 3" DEPTH TO BE PROVIDED AT ALL AREAS OF DISTURBANCE AND ALL PLANTING AREAS, UNLESS NOTED ON PLAN.
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- SEE SHEETS L2.13 AND L2.15 FOR FULL PLANTING LEGEND AND NOTES.

Exhibit A

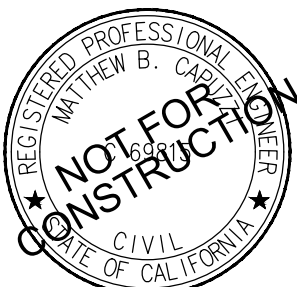
DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

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MATTHEW B. CAPUZZI, 69815

DATE



PLANS FOR THE IMPROVEMENTS OF:

BAYSHORE BIKEWAY SEGMENT 5

PLANTING PLAN

CITY OF NATIONAL CITY

ROBERTO YANO RCE# 56292
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

DATE

CIP NO.19-20

SHEET 98 OF 117 SHEETS

L2.11-xx-

D

ENGINEERING DEPARTMENT	BY	APPROVED	DATE	CONSTRUCTION SURVEYOR		CONSTRUCTION RECORDS		SURVEYOR: BENCHMARK: HORIZONTAL CONTROL:
				NAME	COMPANY	NAME	COMPANY	
				SIGNATURE	SIGNATURE	DATE STARTED:	INSPECTOR:	
				SIGNATURE	SIGNATURE	DATE COMPLETED:		



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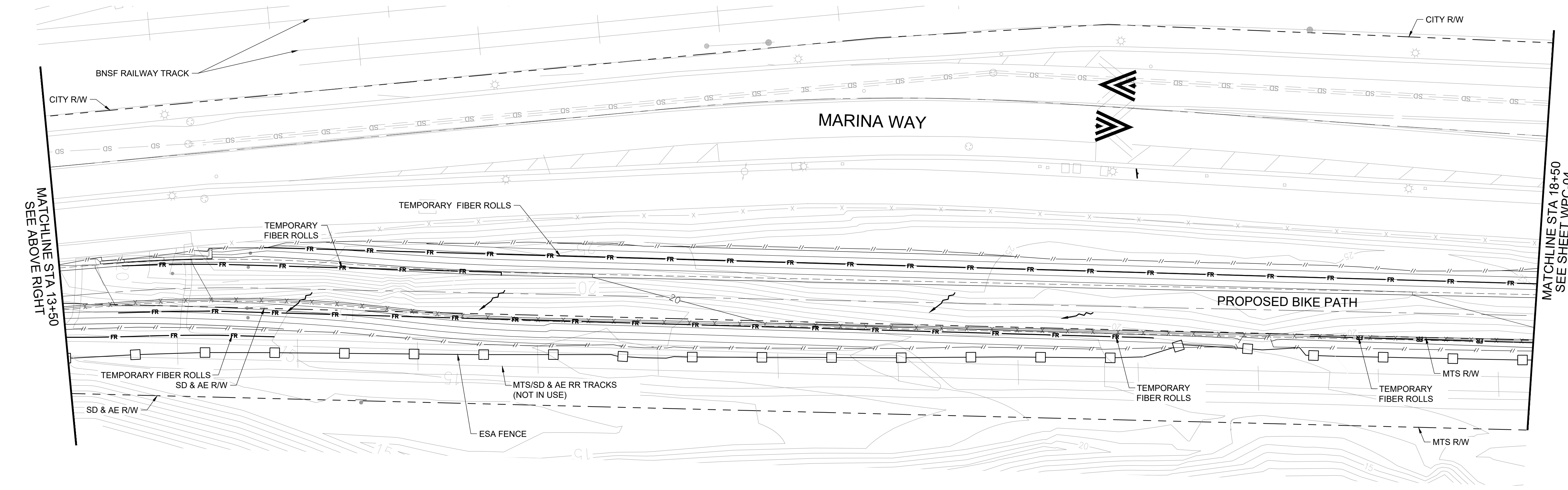
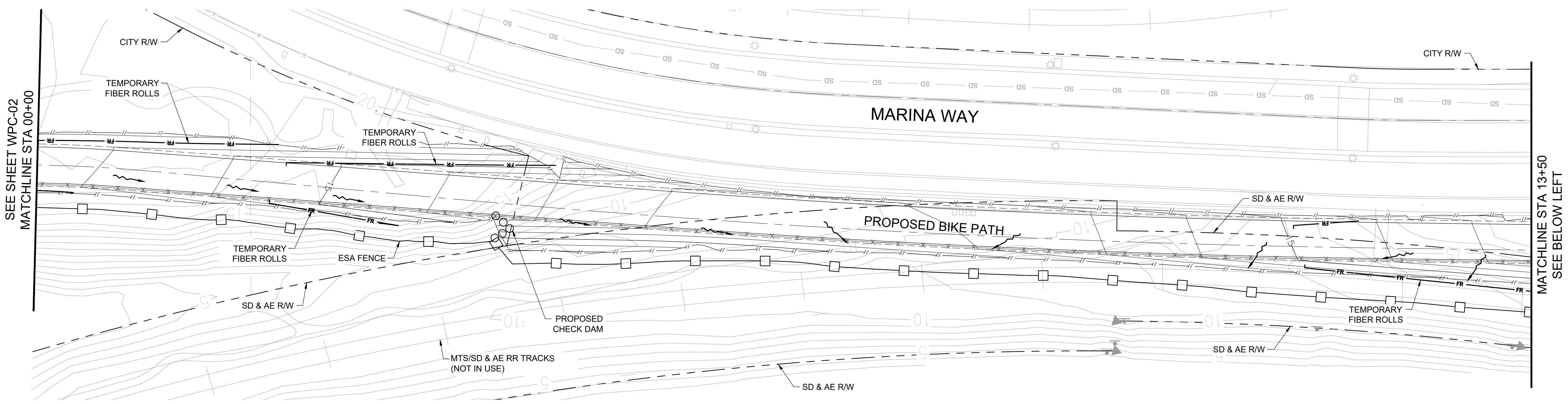




Exhibit A

WPC-03

DECLARATION OF RESPONSIBLE CHARGE	
I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.	
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PHILIP BRAND, 75694	DATE
	



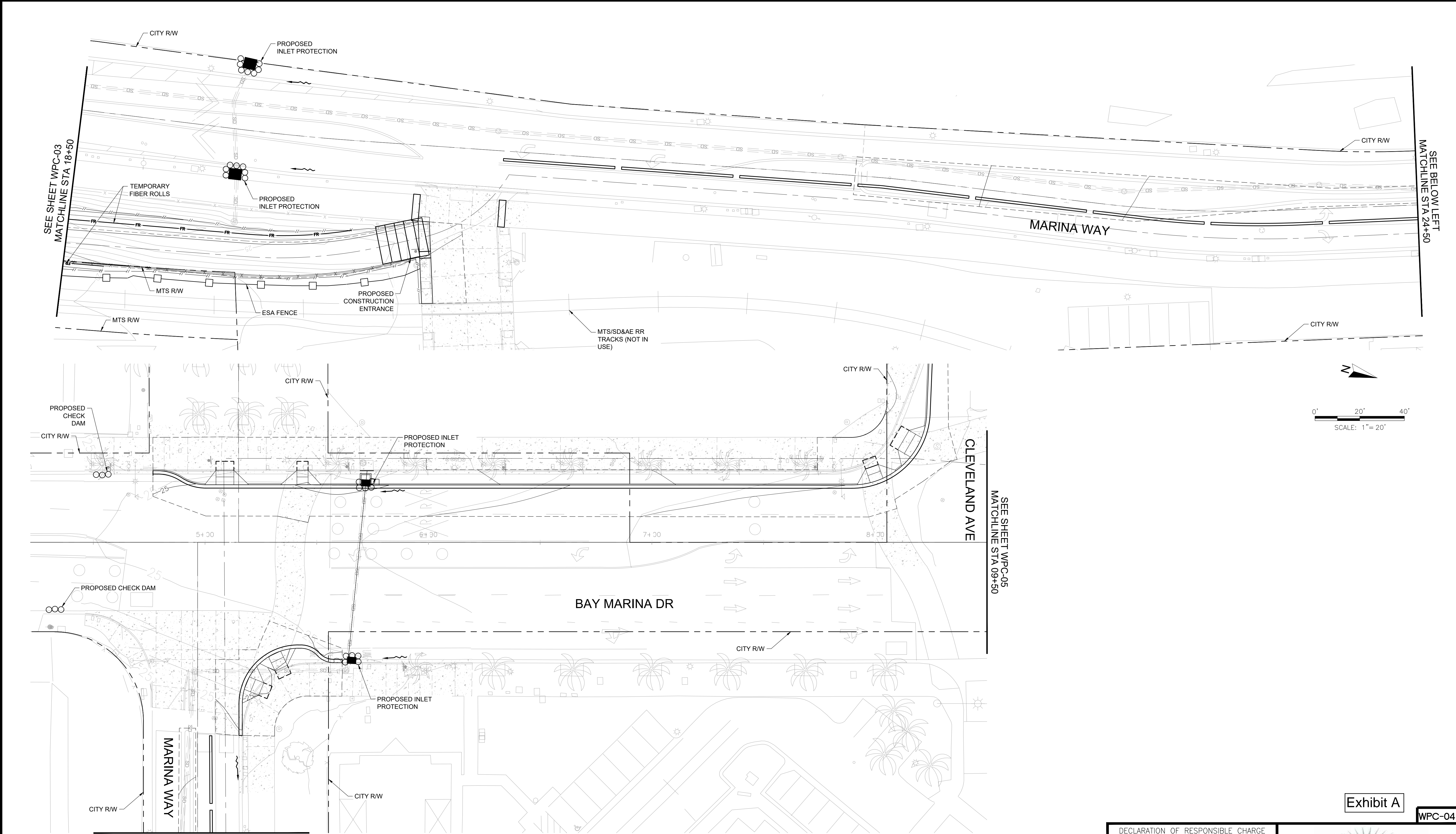
TYLin
T.Y. LIN INTERNATIONAL
404 CAMINO DEL RIO SOUTH, SUITE 700
(619) 692-1920

	
PLANS FOR THE IMPROVEMENTS OF:	
BAYSHORE BIKEWAY SEGMENT 5 WATER POLLUTION CONTROL PLANS	
CITY OF NATIONAL CITY	
ROBERTO YANO RCE# 56292 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER	
DATE	
CIP NO.19-20	
SHEET 93 OF 104 SHEETS	

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ENGINEERING DEPARTMENT		BY		APPROVED	DATE	CONSTRUCTION SURVEYOR		GEO/TECHNICAL OF RECORD		CONSTRUCTION RECORDS		SURVEYOR:		BENCHMARK:	
AS-BUILT						NAME		COMPANY		DATE STARTED:					
REVISIONS						SIGNATURE		SIGNATURE		INSPECTOR:				HORIZONTAL CONTROL:	
										DATE COMPLETED:					



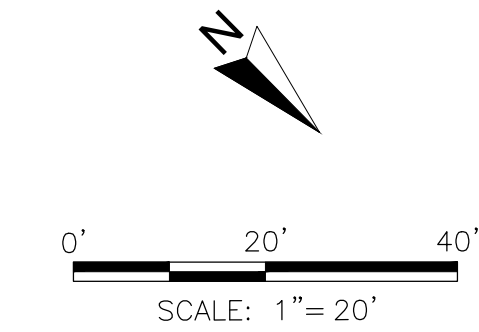
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A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

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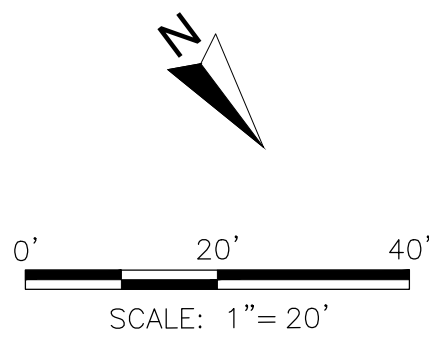
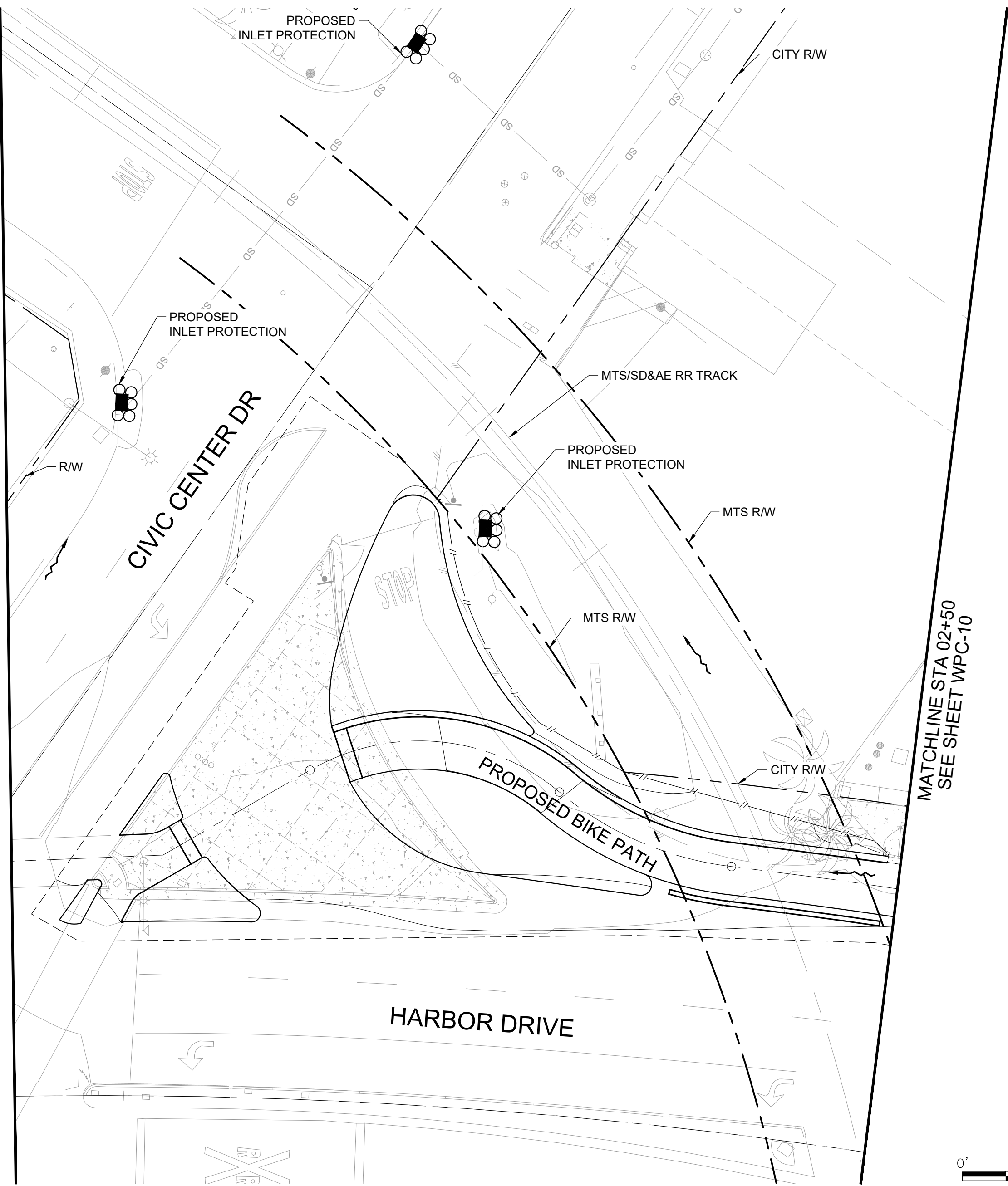
TYLin
T.Y. LIN INTERNATIONAL
404 CAMINO DEL RIO SOUTH, SUITE 700
(619) 692-1920

DECLARATION OF RESPONSIBLE CHARGE		Exhibit A		WPC-04	
I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.		CITY OF NATIONAL CITY		PLANS FOR THE IMPROVEMENTS OF: BAYSHORE BIKEWAY SEGMENT 5 WATER POLLUTION CONTROL PLANS	
I UNDERSTAND THAT THE CHECK OF THESE PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF NATIONAL CITY IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.		ROBERTO YANO RCE# 56292 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER		DATE	
PHILIP BRAND, 75694		DATE		CIP NO.19-20	
		SHEET 94 OF 104 SHEETS			

ENGINEERING DEPARTMENT		BY		APPROVED	DATE	CONSTRUCTION SURVEYOR		CONSTRUCTION RECORDS		SURVEYOR:		BENCHMARK:	
		AS-BUILT				NAME	DATE	NAME	DATE	PROPOSED INLET PROTECTION			
REVISIONS										INSPECTOR:		HORIZONTAL CONTROL:	
										DATE COMPLETED:			
										SIGNATURE		DATE COMPLETED:	
										SIGNATURE		DATE COMPLETED:	



MATCHLINE STA 00+50
SEE ABOVE RIGHT



TYLin
T.Y. LIN INTERNATIONAL
404 CAMINO DEL RIO SOUTH, SUITE 700
(619) 692-1920

DECLARATION OF RESPONSIBLE CHARGE	
I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.	
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PHILIP BRAND, 75694	DATE

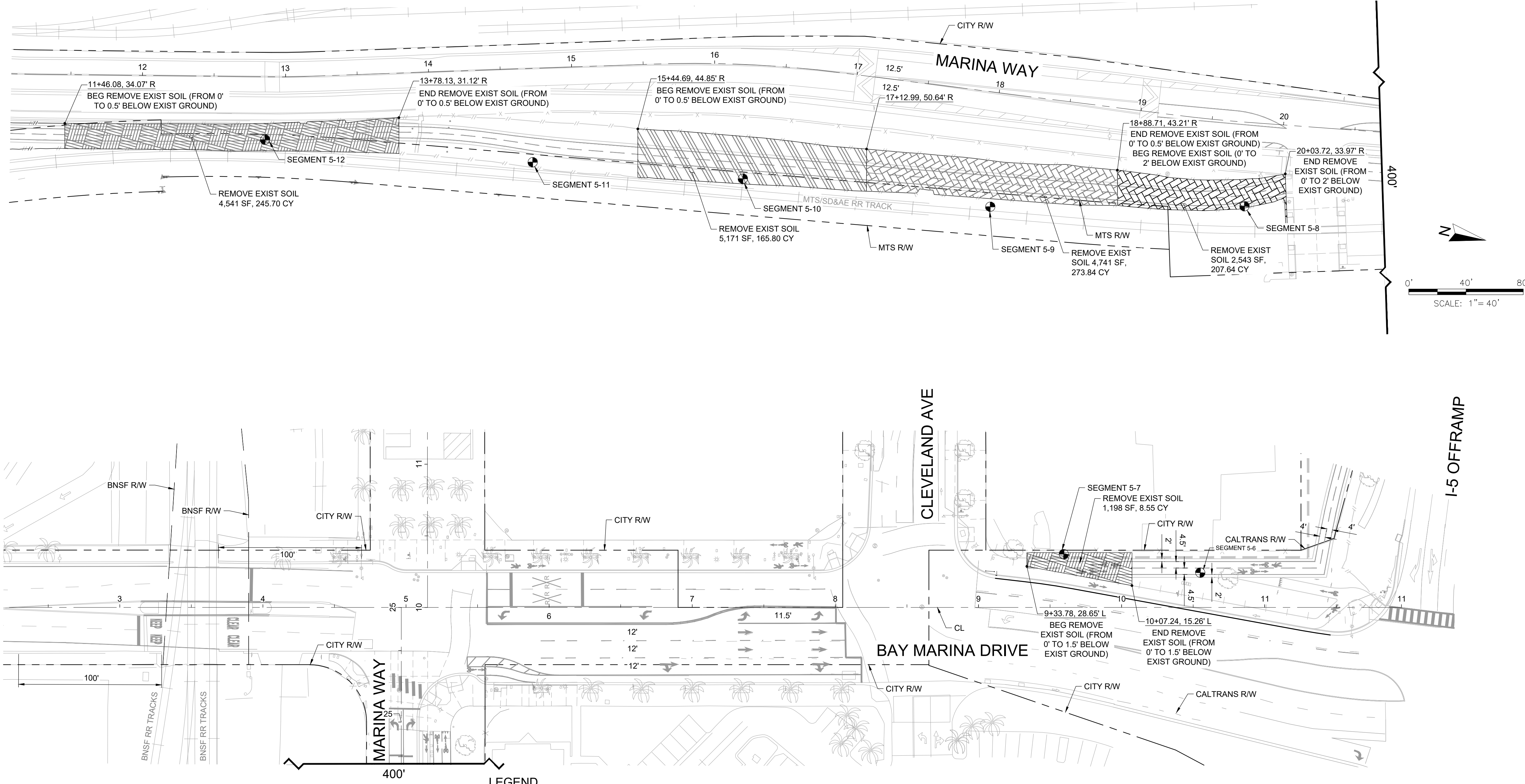
PLANS FOR THE IMPROVEMENTS OF:	
BAYSHORE BIKEWAY SEGMENT 5	
WATER POLLUTION CONTROL PLANS	
CITY OF NATIONAL CITY	
ROBERTO YANO RCE# 56292 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER	
DATE	
CIP NO.19-20	
SHEET 99 OF 104 SHEETS	

Exhibit A

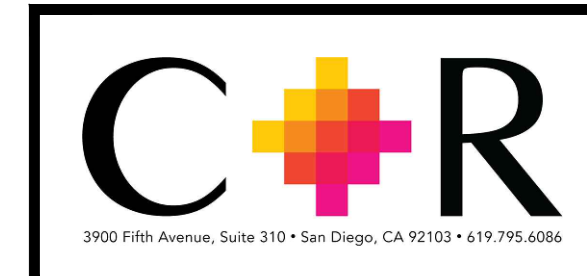
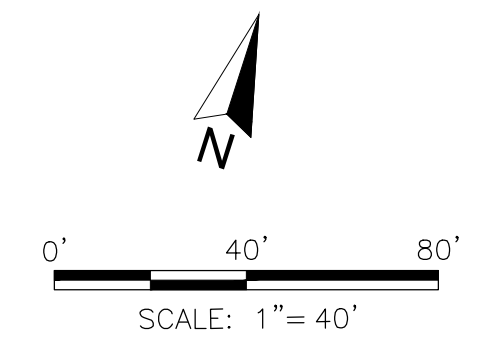
WPC-09

Plot date: 3/8/2023 1:50:36 PM

ENGINEERING DEPARTMENT	AS-BUILT	REVISIONS	BY	APPROVED	DATE	CONSTRUCTION SURVEYOR		CONSTRUCTION RECORDS		SURVEYOR:	BENCHMARK:	HORIZONTAL CONTROL:
						NAME	COMPANY	NAME	COMPANY			
						SIGNATURE	SIGNATURE	DATE STARTED:	DATE COMPLETED:			



- LEGEND**
- NON-RCRA CA HAZARDOUS WASTE: LEAD (DEPTH 0'-1.5')
 - NON-RCRA CA HAZARDOUS WASTE: LEAD (DEPTH 0'-0.5')
 - NON-HAZARDOUS CA WASTE: PAH (DEPTH 0'-0.5')
 - NON-RCRA CA HAZARDOUS WASTE:OCPS (DEPTH 0'-0.5')
 - NON-RCRA CA HAZARDOUS WASTE:OCPS (DEPTH 0' - 2')
 - BORING LOCATION



DECLARATION OF RESPONSIBLE CHARGE	
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MATTHEW B. CAPUZZI, 69815	DATE

PLANS FOR THE IMPROVEMENTS OF:	
BAYSHORE BIKEWAY SEGMENT 5	
HAZARDOUS MATERIALS REMOVAL PLAN	
CITY OF NATIONAL CITY	
ROBERTO YANO RCE# 56292 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER	
DATE	
CIP NO.19-20	
SHEET 117 OF 117 SHEETS	

Exhibit A

RAILROAD RIGHT-OF-WAY LICENSE

THIS RAILROAD RIGHT-OF-WAY LICENSE (LICENSE), made this _____ day of _____ 20____ (the "COMMENCEMENT DATE"), between the San Diego and Arizona Eastern Railway Company, a Nevada non-profit corporation where the San Diego Metropolitan Transit System ("MTS") is its sole member (hereinafter referred to as "LICENSOR") and _____ (hereinafter referred to as "LICENSEE").

WITNESSETH, that LICENSOR and LICENSEE, for valuable consideration receipt of which is hereby by acknowledged covenant and agree as follows:

1. LICENSOR hereby licenses LICENSEE to use, subject to the rights and easements hereinafter accepted and reserved and upon the terms and conditions hereinafter set forth, the PREMISES located in the County of San Diego, State of California, at County Assessor's Parcel Number _____-_____-_____, as is more particularly depicted on Exhibit "A" attached hereto and made a part hereof, for the exclusive purpose of the following improvements (collectively referred to as the "IMPROVEMENTS") and uses:

Construction, use, operation, maintenance, repair and ownership of bikeway and bikeway appurtenances that crosses within LICENSOR'S right of way. Said crossing shall be in accordance with Public Utilities Commission of the State of California, OSHA regulations, and AREMA standard specifications and for uses normally incident to that purpose.

LICENSEE shall not use or actively permit the PREMISES to be used for any other purpose whatsoever, without the prior written consent of LICENSOR.

2. LICENSEE shall, at its own cost and subject to the supervision and control of LICENSOR'S appointed representative, construct and maintain the IMPROVEMENTS in such a manner and of such material that it will not at any time be a source of danger or interference with the present or future operation of any facilities owned and/or operated by LICENSOR or with LICENSOR'S PREMISES.
3. LICENSEE shall reimburse LICENSOR for any expenses reasonably incurred by LICENSOR for flagman to protect its traffic during installation of the IMPROVEMENTS and for any and all other expenses incurred by LICENSOR on account of the IMPROVEMENTS.
4. LICENSEE shall indemnify and hold LICENSOR and the property of LICENSOR free and harmless from any and all liability, claims, loss, damages, or expenses, including reasonable attorney fees and costs, resulting from LICENSEE'S occupation and use of the right-of-way, specifically including, without limitation, any liability, claim, loss, damage, or expense arising by reason of:

The death or injury of any person, including LICENSEE or any person who is an employee, contractor, or agent of the LICENSEE, or by reason of the damage to or destruction of any property, including property owned by LICENSEE or by any person who is an employee, contractor, or agent of LICENSEE, from any cause whatsoever while such person or property is in or on the right-of-way or in any way connected with the right-of-way or with any of the improvements or personal property on the right-of-way.

Any work performed on the right-of-way or materials furnished to the right-of-way at the request of the LICENSEE or any person or entity acting for or on behalf of the LICENSEE.

5. LICENSEE shall, at LICENSEE'S own cost and expense, promptly secure (after execution of this License) and maintain during the entire term of this License a commercial general liability insurance as per ISO for CG 00 01 or its equivalent and issued by an entity eligible to do business in California with an A.M. Best rating of at least A-VII, insuring LICENSEE against loss or liability caused by or connected with LICENSEE'S occupation and use of the right-of-way under this License, including LICENSOR as additional insured in the amounts of:

Two Million Dollars (\$2,000,000) for injury to or death to one or more persons as a result of occurrence and in the aggregate; and

One Million Dollars (\$1,000,000) for damages to or destruction of any property of others per occurrence and in the aggregate.

LICENSEE will include the contract number on all insurance-related correspondence, i.e., the insurance certificate itself.

All policies and coverage's shall contain a provision for LICENSEE will provide at least 30 days written notice by the Insurer(s) to MTS Contracts Specialist of cancellation or non-renewal of any required coverage that is not replaced. A ten-day notice is required for non-payment of premium.

All such policies shall include the San Diego Metropolitan Transit System (MTS), San Diego Trolley, Inc. (SDTI), San Diego and Arizona Eastern Railway (SD&AE), San Diego and Imperial Valley Railroad (SD&IV), and San Diego Transit Corporation (SDTC), their directors, officers, agents and employees as additional insureds as their interests may appear.

LICENSEE agrees that all general liability coverages required under this insurance section are PRIMARY and that any insurance of MTS, SDTI, SD&AE, SD&IV, and SDTC shall be excess and noncontributory (endorsement required).

Notwithstanding anything to the contrary in this LICENSE, LICENSEE may elect to self-insure all or any portion of the risks that would otherwise be covered by the insurance policies required to be carried by LICENSEE under this Paragraph 6 and all conditions and requirements in such sections shall be deemed satisfied, in which case LICENSEE shall assume and pay from its assets the cost, expense, damages, claims, losses and liabilities arising from such self-insured risks to the same extent that the insurance company or companies would have insured such risks under the insurance policies required to be carried by LICENSEE under such sections. In the instances where LICENSEE's self-insured retention is in excess of the required limits of liability described in the Paragraph 6 above, LICENSEE is self-insured and shall be solely responsible for payment of all deductibles or self-insured retentions that are applicable to any claims made against LICENSOR that are covered by LICENSEE's insurance policies or contemplated by this LICENSE. The provisions of this Paragraph 6 shall apply to any loss or damage covered by such self-insurance. If LICENSEE elects to self-insure, then LICENSEE shall not be required to provide insurance policies or certificates for such self-insured amounts to LICENSOR, but shall provide a letter of self-insurance to LICENSOR upon LICENSOR's written request. If LICENSEE elects to self-insure pursuant to the provisions herein and thereafter elects to terminate such self-insurance

program, LICENSEE shall give at least thirty (30) days' prior written notice thereof to LICENSOR along with certificates in accordance with the requirements set forth in this Paragraph 6.

6. The LICENSEE shall, within one hundred and eighty (180) days after receiving written notice from LICENSOR, relocate the IMPROVEMENTS constructed pursuant to this LICENSE if LICENSOR determines that the IMPROVEMENTS interfere with LICENSOR'S current or future use of its property. The IMPROVEMENTS may be relocated within LICENSOR'S right-of-way if it is feasible to do so and if so LICENSEE will update Exhibit "A". The expense of relocating the IMPROVEMENTS shall be borne by LICENSEE.
7. If at any time LICENSEE fails or refuses to comply with or carry out any or all of the covenants herein, LICENSOR may, at its election, revoke this LICENSE upon one hundred and twenty (120) days written notice to LICENSEE.
8. THIS LICENSE is given by LICENSOR and accepted by LICENSEE upon the express condition that the same may be terminated at any time by either party upon ninety (90) days notice in writing to be served upon the other party, stating therein the date that such termination shall take place, and that upon the termination of this LICENSE in this or any other manner herein provided, LICENSEE, upon demand of LICENSOR, shall abandon the use of the IMPROVEMENTS and restore the right-of-way and any other IMPROVEMENTS or facilities within said right-of-way whether owned by LICENSOR or others to their original condition in which they were prior to the installation of the IMPROVEMENTS. In case LICENSEE fails to restore LICENSOR'S right-of-way and improvements or facilities as aforementioned within nine (9) months after the effective date of termination, LICENSOR may proceed with such work at the expense of LICENSEE. No termination hereof shall release LICENSEE from any liability or obligation hereunder, whether of indemnity or otherwise, resulting from any acts, omissions, or events happening prior to the date the IMPROVEMENTS are removed and the right-of-way of LICENSOR restored as above provided.
9. In the case of eviction of LICENSEE by anyone owning or obtaining title to the right-of-way on which the IMPROVEMENTS are located, or the sale or abandonment by LICENSOR of said right-of-way, LICENSOR shall not be liable to LICENSEE for any damage of any nature whatsoever or refund any payment made by LICENSEE to LICENSOR hereunder.
10. All notices to be given hereunder shall be given in writing, by depositing same in the United States mail duly registered or certified, with postage prepaid, and addressed to the LICENSEE or LICENSOR as the case may be at the addresses shown on the signature page hereof, or addressed to such other address as the parties hereto may from time to time designate.
11. In the event that two or more parties execute this instrument as LICENSEE, all the covenants and agreements of LICENSEE in this License shall be the joint and several covenants and agreements of such parties.
12. All the covenants and provisions of this instrument shall be binding upon and inure to the benefit of the successors, legal representatives and assigns of the parties to the same extent and effect as the same are binding upon and inure to the benefit of the parties hereto, but no assignment hereof by LICENSEE, its successors, legal representatives or assigns, or any subsequent assignee, shall be binding upon LICENSOR without the written consent of LICENSOR in each instance. LICENSOR understands that LICENSEE may sell or otherwise transfer its property during the term of this License and is agreeable to such assignment or transfer, subject to LICENSOR'S written consent. Such written consent shall not be unreasonably withheld.

13. Any work performed on LICENSOR'S right-of-way by LICENSEE or LICENSEE'S contractor shall be done in a satisfactory workmanlike manner and in accordance with plans and specifications approved by LICENSOR, such approval shall not be unreasonably withheld or delayed, and no work shall be permitted until said plans and specifications have been approved by LICENSOR, such approval shall not be unreasonably withheld or delayed.
14. LICENSEE shall obtain a valid RIGHT OF ENTRY permit (PERMIT) from LICENSOR as a part of this License prior to entering upon LICENSOR'S right-of-way at any time whether to install, inspect, maintain, replace, or remove the IMPROVEMENTS and shall comply with the terms, conditions, and requirements of said PERMIT, including the insurance requirements, as a part of this LICENSE. LICENSOR shall timely process any applications required to obtain a Permit and shall not unreasonably deny, or delay the issuance of any such Permit.

THIS LICENSE DOES NOT GRANT UNLIMITED ACCESS TO LICENSOR'S RIGHT-OF-WAY. FAILURE TO OBTAIN AND COMPLY WITH THE REQUIREMENTS OF A VALID PERMIT WILL BE SUFFICIENT REASON FOR LICENSOR TO TERMINATE THIS LICENSE.

15. Any contractor or subcontractor performing work on or in connection with the IMPROVEMENTS shall for the purpose of this agreement, and particularly for the purposes of Paragraph 4 of this instrument, be conclusively deemed to be the servant and agent of LICENSEE acting on behalf and within the scope of such contractor's or subcontractor's employment for LICENSEE.
16. It is an express condition of this LICENSE that said LICENSE shall not be complete or effective until signed by LICENSEE'S authorized designee on behalf of LICENSEE, and by LICENSOR.

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IN WITNESS WHEREOF, the parties hereto have caused this License to be executed by and through their respective duly authorized representatives on the date written below their signatures.

LICENSOR

San Diego and Arizona Eastern Railway Company

Signature: _____

Name: Sharon Cooney

Title: President

Date: _____

LICENSEE

Signature: _____

Name: _____

Title: _____

Date: _____

Address:

Attachment: Exhibit "A"