



THE CITY OF SAN DIEGO

## MITIGATED NEGATIVE DECLARATION

Project No. 630996  
SCH No. 2020110047

**SUBJECT: WATER AND STORM WATER GROUP JOB 968: A SITE DEVELOPMENT PERMIT (SDP)**  
The proposed project is to replace, rehabilitate, construct, and abandon several existing water mains and replace a storm drain. Work includes the installation of about 7,839 linear feet of 8", 12", and 16" water mains, 193 linear feet of storm drain, as well as abandonment of 7,382 linear feet of 6", 8", and 12" water main. Appurtenances include cutoff walls, fire service connections and hydrants, and curb inlets. Cast iron and asbestos cement water main will be replaced with PVC pipe, and storm drain will be replaced with rolled concrete pipe. Abandonment will occur in place. The proposed project includes a total of eleven sites. Six of the sites are in urban areas primarily within developed right of way, in the communities of Old Town, North Park, City Heights, Encanto, and San Diego Airport Authority property. In addition, five sites in the communities of Peninsula, Mission Valley, and City Heights propose work adjacent to and within Environmentally Sensitive Lands. The project sites are located within City Council Districts 2, 3, 4, 7, and 9. APPLICANT: City of San Diego Engineering and Capital Projects Department.

### Update January 14, 2021

Minor revisions have been made to the draft Mitigated Negative Declaration (MND). Revisions to the language would appear in ~~strikeout~~ and underline format. An item in the "Document Submittal/Inspection Checklist" table, in Section V (B) of the MMRP, not related to this project was removed. The update to the language in the MMRP would not result in any changes to the environmental impacts associated with the project. As such, no recirculation of the MND is required. In accordance with the California Environmental Quality Act, Section 15073.5 (c)(4), the addition of new information that clarifies, amplifies, or makes insignificant modification does not require recirculation as there are no new impacts and no new mitigation identified. An environmental document need only be recirculated where there is identification of new significant environmental impact or the addition of a new mitigation measure required to avoid a significant environmental impact.

### I. PROJECT DESCRIPTION:

See attached Initial Study.

### II. ENVIRONMENTAL SETTING:



See attached Initial Study.

III. DETERMINATION:

The City of San Diego conducted an Initial Study which determined that the proposed project could have a significant environmental effect in the following areas(s): **Biological Resources, Cultural Resources (Archaeology), and Tribal Cultural Resources**. Subsequent revisions in the project proposal create the specific mitigation identified in Section V of this Mitigated Negative Declaration. The project as revised now avoids or mitigates the potentially significant environmental effects previously identified, and the preparation of an Environmental Impact Report will not be required.

IV. DOCUMENTATION:

The attached Initial Study documents the reasons to support the above Determination.

V. MITIGATION, MONITORING AND REPORTING PROGRAM (MMRP):

A. **GENERAL REQUIREMENTS – PART I**  
**Plan Check Phase (prior to permit issuance)**

1. Prior to the issuance of a Notice To Proceed (NTP) for a subdivision, or any construction permits, such as Demolition, Grading or Building, or beginning any construction related activity on-site, the Development Services Department (DSD) Director's Environmental Designee (ED) shall review and approve all Construction Documents (CD), (plans, specification, details, etc.) to ensure the MMRP requirements are incorporated into the design.

2. In addition, the ED shall verify that the MMRP Conditions/Notes that apply ONLY to the construction phases of this project are included VERBATIM, under the heading, **"ENVIRONMENTAL/MITIGATION REQUIREMENTS."**

3. These notes must be shown within the first three (3) sheets of the construction documents in the format specified for engineering construction document templates as shown on the City website:

<http://www.sandiego.gov/development-services/industry/standtemp.shtml>

4. The **TITLE INDEX SHEET** must also show on which pages the "Environmental/Mitigation Requirements" notes are provided.

B. **GENERAL REQUIREMENTS – PART II**  
**Post Plan Check (After permit issuance/Prior to start of construction)**

**1. PRECONSTRUCTION (Precon) MEETING IS REQUIRED PRIOR TO BEGINNING ANY WORK ON THIS PROJECT.** The PERMIT HOLDER/OWNER is responsible to arrange and perform this meeting by contacting the CITY RESIDENT ENGINEER (RE) of the Field Engineering Division and City staff from MITIGATION MONITORING COORDINATION (MMC). Attendees must also include



the Permit holder's Engineering and Capital Projects (ECP) Representative(s), Job Site Superintendent, and the following consultants:

**Qualified Archaeologist**

**Qualified Native American Monitor**

**Qualified Biologist**

Failure of all responsible Permit Holder's ECP representatives and consultants to attend shall require an additional meeting with all parties present.

**CONTACT INFORMATION:**

a) The PRIMARY POINT OF CONTACT is the **RE** at the **Field Engineering Division – 858-627-3200**

b) For Clarification of ENVIRONMENTAL REQUIREMENTS, it is also required to call **RE and MMC at 858-627-3360**

**2. MMRP COMPLIANCE:** This Project, Project Tracking System (PTS) #630996 and /or Environmental Document # 630996, shall conform to the mitigation requirements contained in the associated Environmental Document and implemented to the satisfaction of the DSD's Environmental Designee (MMC) and the City Engineer (RE). The requirements may not be reduced or changed but may be annotated (i.e. to explain when and how compliance is being met and location of verifying proof, etc.). Additional clarifying information may also be added to other relevant plan sheets and/or specifications as appropriate (i.e., specific locations, times of monitoring, methodology, etc.)

Permit Holder's ECP Representatives must alert RE and MMC if there are any discrepancies in the plans or notes, or any changes due to field conditions. All conflicts must be approved by RE and MMC BEFORE the work is performed.

**3. OTHER AGENCY REQUIREMENTS:** Evidence of compliance with all other agency requirements or permits shall be submitted to the RE and MMC for review and acceptance prior to the beginning of work or within one week of the Permit Holder-ECP obtaining documentation of those permits or requirements. Evidence shall include either copies of permits issued, letters of resolution issued by the Responsible Agency documenting compliance, or other evidence documenting compliance and deemed acceptable by the ADD Environmental Designee.

**4. MONITORING EXHIBITS**

All consultants are required to submit to RE and MMC a monitoring exhibit on a 11x17 reduction of the appropriate construction plan, such as site plan, grading, landscape, etc., marked to clearly show the specific areas including the **LIMIT OF WORK**, scope of that discipline's work, and notes indicating when in the construction schedule that work will be performed. When necessary for clarification, a detailed methodology of how the work will be performed shall be included.

**5. OTHER SUBMITTALS AND INSPECTIONS:**



The Permit Holder/Owner's representative shall submit all required documentation, verification letters, and requests for all associated inspections to the RE and MMC for approval per the following schedule:

Issue Area	Document Submittal	Associated Inspection/Approvals/Notes
General	Consultant Qualification Letters	Prior to Precon Meeting
General	Consultant Construction Monitoring Exhibits	Prior to or at Preconstruction Meeting
Biological Resources	Biologist Limit of Work Verification	Limit of Work Inspection
Biological Resources	Biology Reports	Biology/Habitat Restoration Inspection
Archaeological Resources	Archaeology Reports	Archaeology/Historic Site Observation
Geology	As graded Soils Report	Geotechnical/Fault Inspection
Bond Release	Request for Bond Release Letter	Final MMRP Inspections Prior to Bond Release Letter

### C. SPECIFIC MMRP ISSUE AREA CONDITIONS/REQUIREMENTS

#### **BIOLOGICAL RESOURCES**

**BIO-1:** To compensate for the loss of Tier I and II vegetation communities, the following mitigation is required based on the City's mitigation ratios for mitigation land within the MHPA (City of San Diego 2018.)

Vegetation Community/Land Cover	Tier Level	Inside MHPA			Outside MHPA			Total Mitigation
		Impacts (Ac.)	Ratio*	Mitigation Required (Ac.)	Impacts (Ac.)	Ratio*	Mitigation Required (Ac.)	
Diegan coastal sage scrub	II	0.003	1:1	0.003	0.030	1:1	0.030	0.033
Diegan Coastal Sage Scrub - Restoration	II	—	—	—	0.003	1:1	0.003	0.003
Disturbed Diegan Coastal Sage Scrub	II	—	—	—	0.012	1:1	0.012	0.012
Scrub oak chaparral	I	0.006	2:1	0.012	0.061	1:1	0.061	0.073
<b>Total</b>		<b>0.009</b>	—	<b>0.015</b>	<b>0.106</b>	—	<b>0.106</b>	<b>0.121</b>

\*Mitigation for impacts will occur within the MHPA.

Mitigation will occur at Canyon View, an existing City of San Diego Public Utilities Department mitigation site

**BIO-2: Biologist Verification** – The owner/permittee shall provide a letter to the City of San Diego's (City) Mitigation Monitoring Coordination (MMC) section stating that a Project Biologist (Qualified Biologist), as defined in the City's Biological Guidelines (City of San Diego 2018, has been



retained to implement the project's biological monitoring program. The letter shall include the names and contact information of all persons involved in the biological monitoring of the project.

**BIO-3. Precon Meeting** – The Qualified Biologist shall attend the Precon meeting, discuss the project's biological monitoring program, and arrange to perform any follow up mitigation measures and reporting including site-specific monitoring, restoration or revegetation, and additional fauna/flora surveys/salvage.

1. **Biological Documents** – The Qualified Biologist shall submit all required documentation to MMC verifying that any special mitigation reports including but not limited to, maps, plans, surveys, survey timelines, or buffers are completed or scheduled per the City's Biology Guidelines; the Multiple Species Conservation Program (MSCP) Plan; the Environmentally Sensitive Lands ordinance; project permit conditions; CEQA; state and federal endangered species acts; and/or other local, state, or federal requirements.

2. **Biological Construction Mitigation/Monitoring Exhibit** – The Qualified Biologist shall present a Biological Construction Mitigation/Monitoring Exhibit (BCME), which includes the Biological Documents above. It should also include the following: restoration/revegetation plans, plant salvage/relocation requirements (if applicable), avian or other wildlife surveys/survey schedules (including general avian nesting and U.S. Fish and Wildlife Service (USFWS) protocol), timing of surveys, avian construction avoidance areas/noise buffers/ barriers, other impact avoidance areas, and any subsequent requirements determined by the Qualified Biologist and the City Assistant Deputy Director (ADD)/MMC. The BCME shall include a site plan, written and graphic depiction of the project's biological mitigation/monitoring program, and a schedule. The BCME shall be approved by MMC and referenced in the construction documents.

3. **MHPA Requirements** - MMC shall verify that the Multi-Habitat Planning Area (MHPA) boundaries and the project requirements regarding the California gnatcatcher, as specified below, are shown on the construction plans.

No clearing, grubbing, grading, or other construction activities shall occur at the Central Avenue or ~~Laurel~~ 39<sup>th</sup> Street sites during the California gnatcatcher breeding season (March 1 through August 15), until the following requirements have been met to the satisfaction of MMC:

1. A Qualified Biologist (possessing a valid Endangered Species Act Section 10(a)(1)(a) Recovery Permit) shall survey those habitat areas within the MHPA that would be subject to construction noise levels exceeding 60 decibels (dB(A)) hourly average for the presence of the California gnatcatcher. Surveys for California gnatcatcher shall be conducted pursuant to the protocol survey guidelines established by the USFWS within the breeding season prior to the commencement of any construction. If California gnatcatchers are present, then the following conditions must be met:

a. From March 1 through August 15, no clearing, grubbing, or grading of occupied California gnatcatcher habitat shall be permitted. Areas restricted from such



activities shall be staked or fenced under the supervision of a Qualified Biologist; and

b. From March 1 through August 15, no construction activities shall occur within any portion of the site where construction activities would result in noise levels exceeding 60 dB(A) hourly average at the edge of occupied California gnatcatcher habitat. An analysis showing that noise generated by construction activities would not exceed 60 dB(A) hourly average at the edge of occupied habitat must be completed by a Qualified Acoustician (possessing current noise engineer license or registration with monitoring noise level experience with listed animal species) and approved by MMC at least 2 weeks prior to the commencement of construction activities. Prior to the commencement of construction activities during the breeding season, areas restricted from such activities shall be staked or fenced under the supervision of a Qualified Biologist; or

c. At least 2 weeks prior to the commencement of construction activities, under the direction of a qualified acoustician, noise attenuation measures (e.g., berms, walls) shall be implemented to ensure that noise levels resulting from construction activities will not exceed 60 dB(A) hourly average at the edge of habitat occupied by the California gnatcatcher. Concurrent with the commencement of construction activities and the construction of necessary noise attenuation facilities, noise monitoring shall be conducted at the edge of the occupied habitat area to ensure that noise levels do not exceed 60 dB(A) hourly average. If the noise attenuation techniques implemented are determined to be inadequate by the Qualified Acoustician or Biologist, then the associated construction activities shall cease until such time that adequate noise attenuation is achieved or until the end of the breeding season (August 16). Construction noise monitoring shall continue to be monitored at least twice weekly on varying days, or more frequently depending on the construction activity, to verify that noise levels at the edge of occupied habitat are maintained below 60 dB(A) hourly average or to the ambient noise level if it already exceeds 60 dB(A) hourly average. If not, other measures shall be implemented in consultation with the biologist and MMC, as necessary, to reduce noise levels to below 60 dB(A) hourly average or to the ambient noise level if it already exceeds 60 dB(A) hourly average. Such measures may include, but are not limited to, limitations on the placement of construction equipment and the simultaneous use of equipment.

2. If California gnatcatchers are not detected during the protocol survey, the Qualified Biologist shall submit substantial evidence to MMC and applicable resource agencies that demonstrates whether or not mitigation measures such as noise walls are necessary between March 1 and August 15 as follows:

a. If this evidence indicates that the potential is high for California gnatcatcher to be present based on historical records or site conditions, then Condition 1(a) shall be adhered to as specified above.



b. If this evidence concludes that no impacts to this species are anticipated, no mitigation measures would be necessary.

**BIO-4. Resource Delineation** – Prior to construction activities, the Qualified Biologist shall supervise the placement of orange construction fencing or equivalent along the limits of disturbance adjacent to sensitive biological habitats and verify compliance with any other project conditions as shown on the BCME. This phase shall include flagging plant specimens and delimiting buffers to protect sensitive biological resources (e.g., habitats/flora and fauna species, including nesting birds)

**BIO-5. Education** – Prior to commencement of construction activities, the Qualified Biologist shall meet with the owner/permittee or designee and the construction crew and conduct an on-site educational session regarding the need to avoid impacts outside of the approved construction area and to protect sensitive flora and fauna (e.g., explain the avian and wetland buffers, flag system for removal of invasive species or retention of sensitive plants, and clarify acceptable access routes/methods and staging areas).

**BIO-6. Avian Protection Requirements** – To avoid any direct impacts to Southern California rufous-crowned sparrow (*Aimophila ruficeps canescens*), Coastal California gnatcatcher (*Polioptila californica californica*), and any species identified as a listed, candidate, sensitive, or special status species in the MSCP, removal of habitat that supports active nests in the proposed area of disturbance should occur outside of the breeding season for these species (February 1 to September 15). If removal of habitat in the proposed area of disturbance must occur during the breeding season, the Qualified Biologist shall conduct a pre-construction survey to determine the presence or absence of nesting birds on the proposed area of disturbance. The pre-construction survey shall be conducted within 10 calendar days prior to the start of construction activities (including removal of vegetation). The applicant shall submit the results of the pre-construction survey to MMC for review and approval prior to initiating any construction activities. If nesting Southern California rufous-crowned sparrow, Coastal California gnatcatcher (*Polioptila californica californica*), sensitive or MSCP-covered birds are detected, a letter report or mitigation plan in conformance with the City's Biology Guidelines (i.e. appropriate follow up surveys, monitoring schedules, construction and noise barriers/buffers, etc.) shall be prepared and include proposed measures to be implemented to ensure that take of birds or eggs or disturbance of breeding activities is avoided. The report or mitigation plan shall be submitted to MMC for review and approval and implemented to the satisfaction of the City. The City's MMC Section and Biologist shall verify and approve that all measures identified in the report or mitigation plan are in place prior to and/or during construction.

**BIO-7. Monitoring** – All construction (including access/staging areas) shall be restricted to areas previously identified, proposed for construction activities/staging, or previously disturbed as shown on the BCME. The Qualified Biologist shall monitor construction activities as needed to ensure that construction activities do not encroach into biologically sensitive areas, or cause other similar damage, and that the work plan has been amended to accommodate any sensitive species located during the preconstruction surveys. In addition, the Qualified Biologist shall document field activity via the Consultant Site Visit Record (CSVR). The CSVR shall be emailed to MMC on the first day of monitoring, the first week of each month, the last day of monitoring, and immediately in the case of any undocumented condition or discovery.



**BIO-8. Subsequent Resource Identification** – The Qualified Biologist shall note/act to prevent any new disturbances to habitat, flora, and/or fauna on site (e.g., flag plant specimens for avoidance during access). If active nests or other previously unknown sensitive resources are detected, all project activities that directly impact the resource shall be delayed until species specific local, state, or federal regulations have been determined and applied by the Qualified Biologist.

In the event that impacts exceed previously allowed amounts, additional impacts shall be mitigated in accordance with the City's Biology Guidelines, Environmentally Sensitive Lands regulations, MSCP Plan, CEQA, and other applicable local, state, and federal law. The Qualified Biologist shall submit a final BCME/report to the satisfaction of the City ADD/MMC within 30 days of construction completion.

### **CULTURAL RESOURCES (ARCHAEOLOGY)**

Based on one site on Kellogg Dr. (Site 2) being in an archaeologically sensitive area, proposed new trenching in undisturbed soil for new water service and new water main will require archaeological and Native American Monitoring. The approximately 1152 linear feet of new trenchwork at this site at a depth up to four feet will amount to excavation of approximately 512 CY of previously undisturbed soils. Areas of open trenching in sensitive areas shall be monitored.

### **CUL-1**

#### **I. Prior to Permit Issuance or Bid Opening/Bid Award**

##### **A. Entitlements Plan Check**

1. Prior to permit issuance or Bid Opening/Bid Award, whichever is applicable, the Assistant Deputy Director (ADD) Environmental designee shall verify that the requirements for Archaeological Monitoring and Native American monitoring have been noted on the applicable construction documents through the plan check process.

##### **B. Letters of Qualification have been submitted to ADD**

1. Prior to Bid Award, the applicant shall submit a letter of verification to Mitigation Monitoring Coordination (MMC) identifying the Principal Investigator (PI) for the project and the names of all persons involved in the archaeological monitoring program, as defined in the City of San Diego Historical Resources Guidelines (HRG). If applicable, individuals involved in the archaeological monitoring program must have completed the 40-hour HAZWOPER training with certification documentation.
2. MMC will provide a letter to the applicant confirming the qualifications of the PI and all persons involved in the archaeological monitoring of the project meet the qualifications established in the HRG.
3. Prior to the start of work, the applicant must obtain written approval from MMC for any personnel changes associated with the monitoring program.

#### **II. Prior to Start of Construction**

##### **A. Verification of Records Search**

1. The PI shall provide verification to MMC that a site-specific records search (1/4 mile radius) has been completed. Verification includes, but is not limited to, a copy of a



confirmation letter from South Coastal Information Center, or, if the search was in-house, a letter of verification from the PI stating that the search was completed.

2. The letter shall introduce any pertinent information concerning expectations and probabilities of discovery during trenching and/or grading activities.
3. The PI may submit a detailed letter to MMC requesting a reduction to the ¼ mile radius.

**B. PI Shall Attend Precon Meetings**

1. Prior to beginning any work that requires monitoring; the Applicant shall arrange a Precon Meeting that shall include the PI, Native American consultant/monitor (where Native American resources may be impacted), Construction Manager (CM) and/or Grading Contractor, Resident Engineer (RE), Building Inspector (BI), if appropriate, and MMC. The qualified Archaeologist and Native American Monitor shall attend any grading/excavation related Precon Meetings to make comments and/or suggestions concerning the Archaeological Monitoring program with the Construction Manager and/or Grading Contractor.

a. If the PI is unable to attend the Precon Meeting, the Applicant shall schedule a focused Precon Meeting with MMC, the PI, RE, CM or BI, if appropriate, prior to the start of any work that requires monitoring.

2. Acknowledgement of Responsibility for Curation (CIP or Other Public Projects)

The applicant shall submit a letter to MMC acknowledging their responsibility for the cost of curation associated with all phases of the archaeological monitoring program.

3. Identify Areas to be Monitored

Prior to the start of any work that requires monitoring, the PI shall submit an Archaeological Monitoring Exhibit (AME) (with verification that the AME has been reviewed and approved by the Native American consultant/monitor when Native American resources may be impacted) based on the appropriate construction documents (reduced to 11x17) to MMC identifying the areas to be monitored including the delineation of grading/excavation limits.

The AME shall be based on the results of a site-specific records search as well as information regarding the age of existing pipelines, laterals and associated appurtenances and/or any known soil conditions (native or formation).

MMC shall notify the PI that the AME has been approved.

4. When Monitoring Will Occur

a. Prior to the start of any work, the PI shall also submit a construction schedule to MMC through the RE indicating when and where monitoring will occur.

b. The PI may submit a detailed letter to MMC prior to the start of work or during construction requesting a modification to the monitoring program. This request shall be based on relevant information such as review of final construction documents which indicate conditions such as age of existing pipe to be replaced, depth of excavation and/or site graded to bedrock, etc., which may reduce or increase the potential for resources to be present.

5. Approval of AME and Construction Schedule

After approval of the AME by MMC, the PI shall submit to MMC written authorization of the AME and Construction Schedule from the CM.

### **III. During Construction**

**A. Monitor Shall be Present During Grading/Excavation/Trenching**



1. The Archaeological Monitor shall be present full-time during all soil disturbing and grading/excavation/trenching activities which could result in impacts to archaeological resources as identified on the AME. **The Construction Manager is responsible for notifying the RE, PI, and MMC of changes to any construction activities such as in the case of a potential safety concern within the area being monitored. In certain circumstances OSHA safety requirements may necessitate modification of the AME.**
  2. The Native American consultant/monitor shall determine the extent of their presence during soil disturbing and grading/excavation/trenching activities based on the AME and provide that information to the PI and MMC. If prehistoric resources are encountered during the Native American consultant/monitor's absence, work shall stop, and the Discovery Notification Process detailed in Section III.B-C and IV.A-D shall commence.
  3. The PI may submit a detailed letter to MMC during construction requesting a modification to the monitoring program when a field condition such as modern disturbance post-dating the previous grading/trenching activities, presence of fossil formations, or when native soils are encountered that may reduce or increase the potential for resources to be present.
  4. The archaeological and Native American consultant/monitor shall document field activity via the Consultant Site Visit Record (CSVR). The CSVR's shall be emailed by the CM to the RE the first day of monitoring, monthly, the last day of monitoring, **(Notification of Monitoring Completion)**, and in the case of ANY discoveries. The RE shall forward copies to MMC.
- B. Discovery Notification Process
1. In the event of a discovery, the Archaeological Monitor shall direct the contractor to temporarily divert all soil disturbing activities, including but not limited to digging, trenching, excavating or grading activities in the area of discovery and in the area reasonably suspected to overlay adjacent resources and immediately notify the RE or BI, as appropriate.
  2. The Monitor shall immediately notify the PI (unless Monitor is the PI) of the discovery.
  3. The PI shall immediately notify MMC by phone of the discovery and shall also submit written documentation to MMC within 24 hours by email with photos of the resource in context, if possible.
  4. No soil shall be exported off-site until a determination can be made regarding the significance of the resource specifically if Native American resources are encountered.
- C. Determination of Significance
1. The PI and Native American consultant/monitor, where Native American resources are discovered shall evaluate the significance of the resource. If Human Remains are involved, follow protocol in Section IV below.
    - a. The PI shall immediately notify MMC by phone to discuss significance determination and shall also submit a letter to MMC indicating whether additional mitigation is required.
    - b. If the resource is significant, the PI shall submit an Archaeological Data Recovery Program (ADRP) and obtain written approval of the program from MMC, CM and RE. ADRP and any mitigation must be approved by MMC, RE and/or CM before



ground disturbing activities in the area of discovery will be allowed to resume.

**Note: If a unique archaeological site is also an historical resource as defined in CEQA Section 15064.5, then the limits on the amount(s) that a project applicant may be required to pay to cover mitigation costs as indicated in CEQA Section 21083.2 shall not apply.**

- (1). Note: For pipeline trenching and other linear projects in the public Right-of-Way, the PI shall implement the Discovery Process for Pipeline Trenching projects identified below under "D."
- c. If the resource is not significant, the PI shall submit a letter to MMC indicating that artifacts will be collected, curated, and documented in the Final Monitoring Report. The letter shall also indicate that no further work is required.
  - (1). Note: For Pipeline Trenching and other linear projects in the public Right-of-Way, if the deposit is limited in size, both in length and depth; the information value is limited and is not associated with any other resource; and there are no unique features/artifacts associated with the deposit, the discovery should be considered not significant.
  - (2). Note, for Pipeline Trenching and other linear projects in the public Right-of-Way, if significance cannot be determined, the Final Monitoring Report and Site Record (DPR Form 523A/B) shall identify the discovery as Potentially Significant.
- D. Discovery Process for Significant Resources - Pipeline Trenching and other Linear Projects in the Public Right-of-Way  
The following procedure constitutes adequate mitigation of a significant discovery encountered during pipeline trenching activities or for other linear project types within the Public Right-of-Way including but not limited to excavation for jacking pits, receiving pits, laterals, and manholes to reduce impacts to below a level of significance:
  1. Procedures for documentation, curation and reporting
    - a. One hundred percent of the artifacts within the trench alignment and width shall be documented in-situ, to include photographic records, plan view of the trench and profiles of side walls, recovered, photographed after cleaning, and analyzed and curated. The remainder of the deposit within the limits of excavation (trench walls) shall be left intact.
    - b. The PI shall prepare a Draft Monitoring Report and submit to MMC via the RE as indicated in Section VI-A.
    - c. The PI shall be responsible for recording (on the appropriate State of California Department of Park and Recreation forms-DPR 523 A/B) the resource(s) encountered during the Archaeological Monitoring Program in accordance with the City's Historical Resources Guidelines. The DPR forms shall be submitted to the South Coastal Information Center for either a Primary Record or SDI Number and included in the Final Monitoring Report.
    - d. The Final Monitoring Report shall include a recommendation for monitoring of any future work in the vicinity of the resource.

#### **IV. Discovery of Human Remains**

If human remains are discovered, work shall halt in that area and no soil shall be exported off-site until a determination can be made regarding the provenance of the human remains; and the following procedures as set forth in CEQA Section 15064.5(e), the California Public



Resources Code (Sec. 5097.98) and State Health and Safety Code (Sec. 7050.5) shall be undertaken:

A. Notification

1. Archaeological Monitor shall notify the RE or BI as appropriate, MMC, and the PI, if the Monitor is not qualified as a PI. MMC will notify the appropriate Senior Planner in the Environmental Analysis Section (EAS) of the Development Services Department to assist with the discovery notification process.
2. The PI shall notify the Medical Examiner after consultation with the RE, either in person or via telephone.

B. Isolate discovery site

1. Work shall be directed away from the location of the discovery and any nearby area reasonably suspected to overlay adjacent human remains until a determination can be made by the Medical Examiner in consultation with the PI concerning the provenience of the remains.
2. The Medical Examiner, in consultation with the PI, will determine the need for a field examination to determine the provenience.
3. If a field examination is not warranted, the Medical Examiner will determine with input from the PI, if the remains are or are most likely to be of Native American origin.

C. If Human Remains **ARE** determined to be Native American

1. The Medical Examiner will notify the Native American Heritage Commission (NAHC) within 24 hours. By law, **ONLY** the Medical Examiner can make this call.
2. NAHC will immediately identify the person or persons determined to be the Most Likely Descendent (MLD) and provide contact information.
3. The MLD will contact the PI within 24 hours or sooner after the Medical Examiner has completed coordination, to begin the consultation process in accordance with CEQA Section 15064.5(e), the California Public Resources and Health & Safety Codes.
4. The MLD will have 48 hours to make recommendations to the property owner or representative, for the treatment or disposition with proper dignity, of the human remains and associated grave goods.
5. Disposition of Native American Human Remains will be determined between the MLD and the PI, and, if:
  - a. The NAHC is unable to identify the MLD, OR the MLD failed to make a recommendation within 48 hours after being notified by the Commission, OR;
  - b. The landowner or authorized representative rejects the recommendation of the MLD and mediation in accordance with PRC 5097.94 (k) by the NAHC fails to provide measures acceptable to the landowner, THEN
  - c. To protect these sites, the landowner shall do one or more of the following:
    - (1) Record the site with the NAHC;
    - (2) Record an open space or conservation easement; or
    - (3) Record a document with the County.
  - d. Upon the discovery of multiple Native American human remains during a ground disturbing land development activity, the landowner may agree that additional conferral with descendants is necessary to consider culturally appropriate treatment of multiple Native American human remains. Culturally appropriate treatment of such a discovery may be ascertained from review of the site utilizing cultural and archaeological standards. Where the parties are unable to



agree on the appropriate treatment measures the human remains and items associated and buried with Native American human remains shall be reinterred with appropriate dignity, pursuant to Section 5.c., above.

D. If Human Remains are **NOT** Native American

1. The PI shall contact the Medical Examiner and notify them of the historic era context of the burial.
2. The Medical Examiner will determine the appropriate course of action with the PI and City staff (PRC 5097.98).
3. If the remains are of historic origin, they shall be appropriately removed and conveyed to the San Diego Museum of Man for analysis. The decision for internment of the human remains shall be made in consultation with MMC, EAS, the applicant/landowner, any known descendant group, and the San Diego Museum of Man.

**V. Night and/or Weekend Work**

A. If night and/or weekend work is included in the contract

1. When night and/or weekend work is included in the contract package, the extent and timing shall be presented and discussed at the Precon meeting.
2. The following procedures shall be followed.

a. No Discoveries

In the event that no discoveries were encountered during night and/or weekend work, the PI shall record the information on the CSV and email to MMC by 8AM of the next business day.

b. Discoveries

All discoveries shall be processed and documented using the existing procedures detailed in Sections III - During Construction, and IV - Discovery of Human Remains. Discovery of human remains shall always be treated as a significant discovery.

c. Potentially Significant Discoveries

If the PI determines that a potentially significant discovery has been made, the procedures detailed under Section III - During Construction and IV-Discovery of Human Remains shall be followed.

d. The PI shall immediately contact the RE and MMC, or by 8AM of the next business day to report and discuss the findings as indicated in Section III-B, unless other specific arrangements have been made.

B. If night and/or weekend work becomes necessary during the course of construction

1. The Construction Manager shall notify the RE, or BI, as appropriate, a minimum of 24 hours before the work is to begin.
2. The RE, or BI, as appropriate, shall notify MMC immediately.

C. All other procedures described above shall apply, as appropriate.

**VI. Post Construction**

A. Submittal of Draft Monitoring Report

1. The PI shall submit two copies of the Draft Monitoring Report (even if negative), prepared in accordance with the Historical Resources Guidelines (Appendix C/D) which describes the results, analysis, and conclusions of all phases of the Archaeological Monitoring Program (with appropriate graphics) to MMC via the RE for review and approval within 90 days following the completion of monitoring. **It**



**should be noted that if the PI is unable to submit the Draft Monitoring Report within the allotted 90-day timeframe as a result of delays with analysis, special study results or other complex issues, a schedule shall be submitted to MMC establishing agreed due dates and the provision for submittal of monthly status reports until this measure can be met.**

- a. For significant archaeological resources encountered during monitoring, the Archaeological Data Recovery Program or Pipeline Trenching Discovery Process shall be included in the Draft Monitoring Report.
- b. Recording Sites with State of California Department of Parks and Recreation  
The PI shall be responsible for recording (on the appropriate State of California Department of Park and Recreation forms-DPR 523 A/B) any significant or potentially significant resources encountered during the Archaeological Monitoring Program in accordance with the City's Historical Resources Guidelines, and submittal of such forms to the South Coastal Information Center with the Final Monitoring Report.
2. MMC shall return the Draft Monitoring Report to the PI via the RE for revision or, for preparation of the Final Report.
3. The PI shall submit revised Draft Monitoring Report to MMC via the RE for approval.
4. MMC shall provide written verification to the PI of the approved report.
5. MMC shall notify the RE or BI, as appropriate, of receipt of all Draft Monitoring Report submittals and approvals.
- B. Handling of Artifacts
  1. The PI shall be responsible for ensuring that all cultural remains collected are cleaned and catalogued
  2. The PI shall be responsible for ensuring that all artifacts are analyzed to identify function and chronology as they relate to the history of the area; that faunal material is identified as to species; and that specialty studies are completed, as appropriate.
- C. Curation of artifacts: Accession Agreement and Acceptance Verification
  1. The PI shall be responsible for ensuring that all artifacts associated with the survey, testing and/or data recovery for this project are permanently curated with an appropriate institution. This shall be completed in consultation with MMC and the Native American representative, as applicable.
  2. When applicable to the situation, the PI shall include written verification from the Native American consultant/monitor indicating that Native American resources were treated in accordance with state law and/or applicable agreements. If the resources were reinterred, verification shall be provided to show what protective measures were taken to ensure no further disturbance occurs in accordance with Section IV – Discovery of Human Remains, Subsection C.
  3. The PI shall submit the Accession Agreement and catalogue record(s) to the RE or BI, as appropriate for donor signature with a copy submitted to MMC.
  4. The RE or BI, as appropriate shall obtain signature on the Accession Agreement and shall return to PI with copy submitted to MMC.
  5. The PI shall include the Acceptance Verification from the curation institution in the Final Monitoring Report submitted to the RE or BI and MMC.
- D. Final Monitoring Report(s)



1. The PI shall submit one copy of the approved Final Monitoring Report to the RE or BI as appropriate, and one copy to MMC (even if negative), within 90 days after notification from MMC of the approved report.
2. The RE shall, in no case, issue the Notice of Completion until receiving a copy of the approved Final Monitoring Report from MMC which includes the Acceptance Verification from the curation institution.

### **TRIBAL CULTURAL RESOURCES**

Implementation of Mitigation Measure CUL-1 will reduce impacts to Tribal Cultural Resources to a less than significant level.



## **VI. PUBLIC REVIEW DISTRIBUTION:**

Draft copies or notice of this Mitigated Negative Declaration were distributed to:

### Federal Government

U.S. Army Corps of Engineers  
U.S. Environmental Protection Agency  
U.S. Fish & Wildlife Service

### State of California

State Clearinghouse  
California Coastal Commission  
California Department of Fish and Wildlife

### City of San Diego

Public Notice Journal  
Councilmember Campbell, District 2  
Councilmember Ward, District 3  
Councilmember Montgomery, District 4  
Councilmember Sherman, District 7  
Councilmember Gómez, District 9  
City Attorney's Office  
Development Services Department  
    Jamie Kennedy, EAS  
    Karen Bucey, Project Management  
    Sam Johnson, MMC  
    Water Review, Leonard Wilson  
Engineering and Capital Projects Department  
    Jamal Sherzai  
    Sean Paver, MSCP Review  
    Peter Fogec  
Planning Department  
    Alyssa Muto  
    Heidi VonBlum, Program Manager  
    Tom Tomlinson, Facilities Financing  
    Nathen Causman, Community Planner, City Heights  
    Nancy Graham, Community Planner, Mission Valley  
    Bernard Turgeon, Community Planner, North Park  
    Shannon Anthony, Community Planner, Old Town, Encanto  
    ~~Fred Kosmo, Interim Chair, Peninsula CPG~~  
    Tony Kempton, Community Planner, Peninsula

### Mid-City – City Heights

Russ Connelly, Chair, City Heights Community Planning Group  
Colina Del Sol Senior Citizens Center Director  
Margo Leimbach, President, Oak Park Community Council  
Oak Park Community Council



Eastern Area Communities Planning Committee

John Stump

Darnell Community Council

Mission Valley

Jonathan P Frankel, Chair, Mission Valley Community Planning Group

Mission Valley Center Assn

Friars Village HOA

Mary Johnson

Mission Valley Community Council

Union Tribune News

San Diego River Conservancy

Friends of the Mission Valley Preserve

John W. Nugent, Chair, Mission Valley Planning Group

Andrew Michaeljenko, Mission Valley Planning Group

Gene Kemp, General Manager, Fashion Valley

The San Diego River Park Foundation

The San Diego River Coalition

North Park

Aria Pounaki, Chair, North Park Community Planning Group

Burlingame Homeowners Association

Friends of Switzer Canyon

North Park Community Association

Old Town

~~Ann Dahlkamp~~ Linda Acuña, Chair Old Town Community Planning Group

Old Town SD Chamber of Commerce

Presidio Park Council

California State Parks

Peninsula

Fred Kosmo, Interim Chair, Peninsula CPG

Sunset Cliffs Natural Park Recreation Council

The Peninsula Beacon

Peninsula Community Planning Board

Peninsula Chamber of Commerce

Point Loma Nazarene College

Richard J. Lareau

Southeastern – Encanto

Karina Velazquez, Interim Chair, Encanto (Chollas Valley) Community Planning Group

~~Reynaldo Pizaño~~

Civic San Diego

Encanto Neighborhoods Community Planning Group

Educational/Cultural Complex

Chollas Restoration Enhancement and Conservancy



Kathleen Harmon, Chair Central Imperial Redevelopment Project Area Committee  
Voice News & Viewpoint

Other Interested Parties

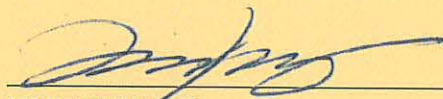
San Diego Airport Authority  
San Diego Unified Port District  
Rob Hutsel  
Juan Gonzales  
Sierra Club  
San Diego Audubon Society  
Mr. Jim Peugh  
California Native Plant Society  
Endangered Habitats League  
~~Sean Paver, MSCP Review~~  
Regional Water Quality Control Board, Region 9  
Historical Resources Board  
Carmen Lucas  
South Coastal Information Center  
San Diego Archaeological Center  
Save Our Heritage Organisation  
Ron Christman  
Clint Linton  
Frank Brown – Inter-Tribal Cultural Resources Council  
Campo Band of Mission Indians  
San Diego County Archaeological Society, Inc.  
Kumeyaay Cultural Heritage Preservation  
Kumeyaay Cultural Repatriation Committee  
Native American Distribution (Public Notice & Location Map Only)

**VII. RESULTS OF PUBLIC REVIEW:**

- ( ) No comments were received during the public input period.
- ( ) Comments were received but did not address the accuracy or completeness of the draft environmental document. No response is necessary and the letters are incorporated herein.
- (X) Comments addressing the accuracy or completeness of the draft environmental document were received during the public input period. The letters and responses are incorporated herein.

Copies of the draft Mitigated Negative Declaration, the Mitigation, Monitoring and Reporting Program and associated project-specific technical appendices, if any, may be reviewed online at [www.sandiego.gov/ceqa](http://www.sandiego.gov/ceqa), or purchased at the cost of reproduction.





JAMIE KENNEDY  
SENIOR PLANNER  
Development Services Department

November 4, 2020  
Date of Draft Report

January 14, 2021  
Date of Final Report

Analyst: Jamie Kennedy

Attachments:

1. Group Job 968 ~~Location Maps~~ Site Plans



## Comment Letters

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State of California – Natural Resources Agency  
DEPARTMENT OF FISH AND WILDLIFE

South Coast Region  
3883 Ruffin Road  
San Diego, CA 92123  
(858) 467-4201  
[www.wildlife.ca.gov](http://www.wildlife.ca.gov)

GAVIN NEWSOM, Governor  
CHARLTON H. BONHAM, Director



December 3, 2020

Jamie Kennedy  
Senior Planner  
Development Services Department  
City of San Diego  
1222 1st Avenue (MS 501)  
San Diego, CA 92101  
[JMKennedy@sandiego.gov](mailto:JMKennedy@sandiego.gov)

**Subject: Water and Storm Water Group Job 968 (PROJECT) Mitigated Negative Declaration (MND) SCH #2020110047**

Dear Ms. Kennedy:

A-1

The California Department of Fish and Wildlife (CDFW) received a Notice of Intent to Adopt an MND from the City of San Diego (City) for the Project pursuant the California Environmental Quality Act (CEQA) and CEQA Guidelines.<sup>1</sup>

Thank you for the opportunity to provide comments and recommendations regarding those activities involved in the Project that may affect California fish and wildlife. Likewise, we appreciate the opportunity to provide comments regarding those aspects of the Project that CDFW, by law, may be required to carry out or approve through the exercise of its own regulatory authority under the Fish and Game Code.

### CDFW ROLE

A-2

CDFW is California's **Trustee Agency** for fish and wildlife resources, and holds those resources in trust by statute for all the people of the state. (Fish & G. Code, §§ 711.7, subd. (a) & 1802; Pub. Resources Code, § 21070; CEQA Guidelines § 15386, subd. (a).) CDFW, in its trustee capacity, has jurisdiction over the conservation, protection, and management of fish, wildlife, native plants, and habitat necessary for biologically sustainable populations of those species. (*Id.*, § 1802.) Similarly, for purposes of CEQA, CDFW is charged by law to provide, as available, biological expertise during public agency environmental review efforts, focusing specifically on projects and related activities that have the potential to adversely affect fish and wildlife resources.

CDFW is also submitting comments as a **Responsible Agency** under CEQA. (Pub. Resources Code, § 21069; CEQA Guidelines, § 15381.) CDFW expects that it may need to exercise regulatory authority as provided by the Fish and Game Code. As proposed, for example, the Project may be subject to CDFW's lake and streambed alteration regulatory authority. (Fish & G. Code, § 1600 et seq.) Likewise, to the extent implementation of the Project as proposed may result in "take" as defined by State law of any species protected under the California Endangered Species Act (CESA) (Fish & G. Code, § 2050 et seq.), the project proponent may seek related take authorization as provided by the Fish and Game Code.

<sup>1</sup> CEQA is codified in the California Public Resources Code in section 21000 et seq. The "CEQA Guidelines" are found in Title 14 of the California Code of Regulations, commencing with section 15000.



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CDFW also administers the Natural Community Conservation Planning (NCCP) program, a California regional habitat conservation planning program. The City of San Diego (City) participates in the NCCP program by implementing its approved Multiple Species Conservation Program (MSCP) Subarea Plan (SAP).

#### PROJECT DESCRIPTION SUMMARY

**Proponent:** Natalie DeFreitas, City of San Diego Engineering and Capital Projects Department

**Objective:** The objective of the Project is to address necessary City water and storm drain pipeline improvements. This will be accomplished by replacing, rehabilitating, constructing, and abandoning several existing water mains and replacing a storm drain. Proposed work includes the installation of approximately 8,380 linear feet of 8", 12", and 16" water mains, and 193 linear feet of storm drain, as well as abandonment of 6,375 linear feet of 6", 8" and 12" water main. Abandonment of pipeline will occur in place. Additional work includes cutoff walls, fire service connections and hydrants, and curb inlets.

A-3

**Location:** The proposed Project includes a total of 11 sites. Six of the sites are in urban areas in the neighborhoods of Old Town, North Park, City Heights, Encanto, and the San Diego Airport Authority Property. These six sites do not contain any biological impacts. The remaining five sites do have the potential for biological impacts and are in the neighborhoods of Mission Valley (Site 4), Point Loma (Site 5) and City Heights (Sites 8, 10, and 12). Site 4 is located on the north side of Camino del Rio North, approximately 0.2 mile west of the Interstate 8 and Interstate 15 connection. Site 5 is located along Silvergate Avenue in Point Loma, extending east between Behlberg Road and Silvergate Place, adjacent to and partially within the Space and Naval Warfare Systems Command (SPAWAR). The remaining three sites are all located within the neighborhood of City Heights. Site 8 is located parallel to and directly east of Central Avenue, between Redwood Street to the north and Quince Street to the south. Site 10 is located between the southern terminus of Roseview Place, Laurel Street, and Home Avenue. Site 12 is located at the southern terminus of 39<sup>th</sup> Street headed southeast onto Manzanita Drive, and directly east of the Interstate 805 and Interstate 15 intersection.

**Biological Setting:** Six of the 11 proposed Project sites are in heavily urbanized areas where there will be no direct or indirect biological impacts. The remaining five sites do have the potential for direct and indirect biological impacts. The Project footprint of Site 4 contains only urban/developed cover and will not impact any sensitive vegetation communities directly. The northern terminus of the construction, however, extends by 0.01 acre into the MHPA and is directly adjacent to the southern edge of the San Diego River corridor where there is southern willow scrub and eucalyptus woodland present. The Project footprint of Site 5 will not impact any sensitive vegetation communities, and contains 0.04 acre of ornamental plantings and 0.40 acre of urban/developed cover. This site, however, is directly adjacent to Diegan coastal sage scrub on the southern edge of the site. The Project footprint of Site 8 extends into the MHPA by 0.01 acre and contains 0.01 acre of Diegan coastal sage scrub, 0.01 acre of scrub oak chaparral, 0.09 acre of disturbed habitat, and 0.08 acre of urban/developed cover. The Project footprint for Site 10 contains 0.02 acre of Diegan coastal sage scrub, 0.01 acre of disturbed Diegan coastal sage scrub, 0.06 acre of scrub oak chaparral, 0.10 acre of disturbed habitat, and 0.09 acre of urban/developed cover. The Project footprint for Site 12 extends into the MHPA by less than 0.01 acre and contains less than 0.01 acre of Diegan coastal sage scrub, 0.04 acre of eucalyptus woodland, and 0.07 acre of urban/developed cover. Two special status plant species were observed at two of the sites: Nuttall's scrub oak (*Quercus dumosa*; California Rare Plant Rank 1B.1) at Sites 10 and 12, and the MSCP-covered wart-stemmed ceanothus (*Ceanothus*



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- A-3 *verrucosus*; California Native Plant Rank 2B.2) at Site 12. No special status wildlife species were observed.
- Per Table 3 (Upland Mitigation Ratios) in the City's Biology Guidelines and consistent with the City's MSCP, Diegan coastal sage scrub (Tier II) within and outside of the MHPA will be mitigated at a 1:1 ratio within the MHPA. Scrub oak chaparral (Tier I) within the MHPA will be mitigated at a ratio of 2:1 inside the MHPA and habitat outside of the MHPA will be mitigated at a 1:1 ratio inside the MHPA. Canyon View is an existing City Public Utilities Department mitigation site that will be used for Project mitigation requirements.
- Timeframe:** The MND does not provide start and end dates for the work proposed. Work will be performed Monday through Friday during daytime hours, with the potential for weekend work.

#### COMMENTS AND RECOMMENDATIONS

- A-4 CDFW offers the comments and recommendations below to assist the City in adequately identifying and/or mitigating the Project's significant, or potentially significant, direct, and indirect impacts on fish and wildlife (biological) resources.

##### I. Project Description and Related Impact Shortcoming

- COMMENT #1: Potential subsurface stream impacts from trenchless drilling and upland receiving pit impacts**
- A-5 **Issue:** The BRL mentions the water main underneath the stream in Site 12 would be replaced by trenchless drilling and refers to this as "aqua pipe." There is no description within the BRL, MND or the Preliminary Geotechnical Investigation (PGI) as to what "aqua pipe" is. The PGI mentions that waterline installation at Site 12 will vary from 2.5 to 4.5 feet below ground surface. There is no discussion if this depth is measured from the top of the pipe or the bottom. At the terminus of the trenchless drilling, there is also a temporary 10-foot by 15-foot receiving pit proposed within Diegan coastal sage scrub. In looking at Figure 3E in the BRL, it appears the receiving pit is approximately 70-feet up-slope from the stream. The stream within the Project footprint is seasonal and unvegetated, with a cobble bottom and vertical banks. There are signs of scouring and wracking.
- CDFW has regulatory authority over activities in streams and/or lakes that will divert or obstruct the natural flow, or change the bed, channel, or bank (which may include associated riparian resources) of any river, stream, or lake or use material from a river, stream, or lake. For any such activities, the project applicant (or "entity") must provide written notification to CDFW pursuant to section 1600 *et seq.* of the Fish and Game Code. Based on this notification and other information, CDFW determines whether a Lake and Streambed Alteration Agreement (LSAA) with the applicant is required prior to conducting the proposed activities. CDFW's issuance of a LSAA for a project that is subject to CEQA will require CEQA compliance actions by CDFW as a Responsible Agency. CDFW as a Responsible Agency under CEQA may consider the local jurisdiction's (lead agency) Negative Declaration or Environmental Impact Report for the project. To minimize additional requirements by CDFW pursuant to section 1600 *et seq.* and/or under CEQA, the document should fully identify the potential impacts to the stream or riparian resources and provide adequate avoidance, mitigation, monitoring and reporting commitments for issuance of the LSAA.<sup>2</sup>

<sup>2</sup> A notification package may be obtained by accessing the Department's web site at <http://www.wildlife.ca.gov/Conservation/LSA>



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(cont)

It is unclear in the MND, BRL, and PGI what an "aqua pipe" is and how the receiving pit will be created. The PGI presents several possibilities for the type of trenchless drilling, but the MND does not identify which method will be used. The depth of the pipe is not clearly addressed. There are also no measures discussed on how frack-out will be avoided if the trenchless drilling method used requires the use of pressurized drilling fluids.

**Specific impact:** One impact would be the alteration of subsurface water flow through the stream, impacting future seasonal surface flow on-site and downstream. Another impact would be the release of chemicals into the groundwater from frack-outs. This could potentially have downstream impacts to plants and wildlife as groundwater appears on the surface. The PGI mentions a shallow pipe depth (ranging from 2.5 feet to 4.5 feet) underneath the stream and an impact from a pipe not buried deep enough could be exposure of the pipe from scouring, possibly leading to impediment of flow.

**Why impact would occur:** Page five of the PGI states that the depth of the groundwater table below the Project footprint is unknown, and that it is difficult to predict where perched or true groundwater will appear in the future. With no description of the trenchless drilling method being used under the stream at Site 12, there is not enough evidence within the MND and supporting documentation to know if the impacts will be not significant.

**Evidence impact would be significant:** The impact would be significant if no mitigation measures were in place and the trenchless drilling caused subsurface water issues, if the pipe was not buried deep enough and scour occurred leading to impediment of future flow, or if frack-out occurred and contaminated the groundwater and/or impacted downstream habitat.

**Recommended Potentially Feasible Mitigation Measure:**

**Recommendation Measure #1:** CDFW recommends the MND provide more information about the type of trenchless drilling being performed underneath the stream, the depth of the pipe under the stream, the distance from the stream of the receiving pit and how it will be created, and how frack-out will be avoided depending on the type of trenchless drilling method being used. CDFW recommends a scour analysis be performed or the pipe be located under the stream below scour depth to avoid future exposure of the pipe.

**II. Mitigation Measure or Alternative and Related Impact Shortcoming**

A-6

**COMMENT #2: Potential impacts to coastal California gnatcatcher (*Poliophtila californica californica*; gnatcatcher) at Site 12**

**Issue:** Page 5 of the MND under BIO-3 states that no clearing, grubbing, or grading of occupied gnatcatcher habitat will happen at Sites 8 and 10 between March 1<sup>st</sup> through August 15<sup>th</sup> until protocol surveys are performed following United States Fish and Wildlife (Service) guidelines. There is also Diegan coastal sage scrub at Site 12, but page 5 of the MND makes no mention of this. While the work being performed at Site 12 involves avoidance of Diegan coastal sage scrub impacts through abandonment of pipeline and trenchless drilling, there will be a temporary 10-foot by 15-foot receiving pit located within the habitat. It is unclear in the MND what a receiving pit is and how it will be created. Table 3 (Impacts to Vegetation Communities and Land Cover Types in the Proposed Project Limits) on page 19 of the Biological Resources Letter (BRL) does reference mitigation for less than 0.001 acre of Diegan coastal sage scrub at Site 12, so the small impact is identified.



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A-6  
(cont)

**Specific impact:** Site 12 contains the same possibility of impacts to gnatcatcher as Sites 8 and 10, and should receive the same avian nesting protections.

**Why impact would occur:** Impacts to nesting birds could result from ground disturbing activities. Project disturbance activities could result in mortality or injury to nestlings, as well temporary or long-term loss of suitable foraging habitats. Construction during the breeding season of nesting birds could result in the incidental loss of breeding success or otherwise lead to nest abandonment.

**Evidence impact would be significant:** The loss of occupied habitat or reductions in the number of rare bird species, either directly or indirectly through nest abandonment or reproductive suppression, would constitute a significant impact absent appropriate mitigation. Furthermore, nests of all native bird species are protected under state laws and regulations, including Fish and Game Code sections 3503 and 3503.5.

**Recommended Potentially Feasible Mitigation Measure(s):**

**Mitigation Measure #1:** To protect potentially nesting gnatcatcher on this Project, protocol level surveys should be performed on Site 12 along with Sites 8 and 10 prior to construction.

**COMMENT #3: Adjacency to the San Diego River**

A-7

**Issue:** The BRL and MND reference avoiding direct impacts to sensitive species such gnatcatcher and rufous-crowned sparrow (*Aimophila ruficeps canescens*). The northern terminus of the pipeline work at Site 4 in Mission Valley ends in disturbed habitat that is directly adjacent the San Diego River and the MHPA, containing eucalyptus woodland and southern willow scrub. Indirect impacts to sensitive species that inhabit the river corridor are not addressed in the MND.

**Specific impact:** The San Diego River corridor supports the Endangered Species Act (ESA)-listed, California Endangered Species Act (CESA)-listed, and MSCP-covered least Bell's vireo (*Vireo bellii pusillus*); the ESA-listed and CESA-listed light-footed Ridgway's rail (*Rallus obsoletus levipes*); the MSCP-covered and California Species of Special Concern tricolored blackbird (*Agelaius tricolor*); and the MSCP-covered and State Watch List Cooper's hawk (*Accipiter cooperii*). Per the California Natural Diversity Database (CNDDB), least Bell's vireo occurrences are found within 400 meters to the west and 500 meters to the east of Site 4. While light-footed Ridgway's rails, tricolored blackbird, and Cooper's hawk occurrences have been documented by CNDDB approximately 0.6 mile to three miles west of Site 4, it is still important to be aware that these sensitive species move throughout the river corridor and could be present adjacent to the work site at any time.

**Why impact would occur:** Indirect project disturbance activities could result in nest abandonment and incidental loss of breeding success.

**Evidence impact would be significant:** The reduction in the number of sensitive bird species, either directly or indirectly through nest abandonment or reproductive suppression, would constitute a significant impact absent appropriate mitigation. Furthermore, nests of all native bird species are protected under state laws and regulations, including Fish and Game Code sections 3503 and 3503.5.



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A-7  
(cont)

**Recommended Potentially Feasible Mitigation Measure(s):**

**Mitigation Measure #2:** To protect sensitive species in the San Diego River corridor and MHPA adjacent to Site 4, the Land Use Adjacency Guidelines as outlined in Section 1.4.3 in the City's MSCP should be followed. These guidelines involve avoiding drainage from impervious surfaces and the release of toxins into the MHPA. If construction activity occurs during the avian breeding season (January 1 through September 15), light should be directed away from sensitive resources and noise impacts minimized through noise reduction measures.

**COMMENT #4: Nest avoidance measures**

**Issue:** Mitigation Measure BIO-3 in the MND addresses avian protection requirements by proposing to avoid direct impacts to nesting birds by avoiding construction during the breeding season (February 1 to September 15) and requiring preconstruction nesting surveys to be performed no more than 10 days before the commencement of construction activities. This mitigation measure only requires preconstruction surveys be performed in the disturbance area with no guidance on surveys within a buffer around the impact area. Draft guidelines for buffer distances are provided below.

**Specific impacts:** The Project site contains scrub oak chaparral and Diegan coastal sage scrub, along with Nuttall's scrub oak at two of the sites. The oak trees provide suitable perch and nesting sites for raptors and picids, while the scrub provides nesting habitat for passerines. The specific impacts include the incidental loss of fertile eggs or nestlings, possible nest abandonment, and the loss of foraging habitat, both on-site and in adjacent habitat on MHPA.

A-8

**Why impact would occur:** Impacts to nesting birds could result from ground disturbing activities. Project disturbance activities could result in mortality or injury to nestlings, as well as temporary or long-term loss of suitable foraging habitats. Construction during the breeding season of nesting birds could result in the incidental loss of breeding success or otherwise lead to nest abandonment.

**Evidence impact would be significant:** The loss of occupied habitat or reductions in the number of sensitive bird species, either directly or indirectly through nest abandonment or reproductive suppression, would constitute a significant impact absent appropriate mitigation. Furthermore, nests of all native bird species are protected under state laws and regulations, including Fish and Game Code sections 3503 and 3503.5.

**Recommended Potentially Feasible Mitigation Measure(s):**

**Mitigation Measure #3:** If Project activities cannot be avoided from January 1 through September 15, CDFW recommends a qualified biologist complete a preconstruction survey no more than three days prior to the beginning of any Project-related activity for nesting bird activity within the limits of disturbance and 500 feet from the area of disturbance. The nesting bird surveys should be conducted at appropriate nesting times and concentrate on potential roosting or perch sites. If Project activities are delayed or suspended for more than 14 days during the breeding season, surveys should be repeated. If nesting raptors and migratory songbirds are identified, CDFW recommends the following minimum no-disturbance buffers be implemented: 100 feet around non-listed active passerine (perching birds and songbirds) nests, 300 feet around any listed passerine nests (e.g., gnatcatcher), and 500 feet around active non-listed raptor nests. These buffers should be maintained until the breeding season has ended or until a qualified biologist has determined that the birds have fledged and are no longer reliant upon the nest or parental care for survival.



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A-8  
(cont)

Nest buffers may be reduced, as appropriate, by a qualified biologist based on the existing ambient (noise, human activities, etc.) condition, presence of screening vegetation, or other factors.

#### ENVIRONMENTAL DATA

A-9

CEQA requires that information developed in environmental impact reports and negative declarations be incorporated into a data base which may be used to make subsequent or supplemental environmental determinations. (Pub. Resources Code, § 21003, subd. (e).) Accordingly, please report any special status species and natural communities detected during Project surveys to the California Natural Diversity Database (CNDDDB). The CNDDDB field survey form can be found at the following link: <https://wildlife.ca.gov/Data/CNDDDB/Submitting-Data#44524420-pdf-field-survey-form>. The completed form can be mailed electronically to CNDDDB at the following email address: [CNDDDB@wildlife.ca.gov](mailto:CNDDDB@wildlife.ca.gov). The types of information reported to CNDDDB can be found at the following link: [CNDDDB - Plants and Animals](#).

A-10

#### FILING FEES

The Project, as proposed, would have an impact on fish and/or wildlife, and assessment of filing fees is necessary. Fees are payable upon filing of the Notice of Determination by the Lead Agency and serve to help defray the cost of environmental review by CDFW. Payment of the fee is required for the underlying project approval to be operative, vested, and final. (Cal. Code Regs, tit. 14, § 753.5; Fish & G. Code, § 711.4; Pub. Resources Code, § 21089.)

A-11

#### CONCLUSION

CDFW appreciates the opportunity to comment on the MND to assist the City in identifying and mitigating Project impacts on biological resources.

Questions regarding this letter or further coordination should be directed to Melissa Stepek, Senior Environmental Scientist at (858) 637-5510 or [Melissa.Stepek@wildlife.ca.gov](mailto:Melissa.Stepek@wildlife.ca.gov).

Sincerely,

DocuSigned by:

  
David A. Mayer

D770014520375406

David A. Mayer  
Environmental Program Manager I  
South Coast Region

Ec: CDFW

Karen Drewe, San Diego – [Karen.Drewe@wildlife.ca.gov](mailto:Karen.Drewe@wildlife.ca.gov)  
Kelly Fisher, San Diego – [Kelly.Fisher@wildlife.ca.gov](mailto:Kelly.Fisher@wildlife.ca.gov)  
Jennifer Ludovissy, San Diego – [Jennifer.Ludovissy@wildlife.ca.gov](mailto:Jennifer.Ludovissy@wildlife.ca.gov)

David Zoutendyk, USFWS – [David.Zoutendyk@fws.gov](mailto:David.Zoutendyk@fws.gov)  
State Clearinghouse, Sacramento – [State.Clearinghouse@opr.ca.gov](mailto:State.Clearinghouse@opr.ca.gov)

Attachment A: Draft MMRP (CDFW 2020)



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December 3, 2020  
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**CDFW Draft Mitigation, Monitoring, and Reporting Plan and Associated Recommendations**

	Biological Resources	Mitigation Measures	Timing	Responsible Party
A-12	REC BIO-1	CDFW recommends the MND provide more information about the type of trenchless drilling being performed underneath the stream, the depth of the pipe under the stream, the distance from the stream of the receiving pit and how it will be created, and how frack-out will be avoided depending on the type of trenchless drilling method being used. CDFW recommends a scour analysis be performed or that the pipeline be buried below scour depth to avoid future exposure of the pipe.	Before construction	City of San Diego
A-13	MM BIO-1	CDFW recommends that gnatcatcher protocol level surveys be performed on Site 12 along with Sites 8 and 10 prior to construction.	Before construction	City of San Diego in coordination with the qualified biologist
A-14	MM BIO-2	CDFW recommends the Land Use Adjacency Guidelines as outlined in Section 1.4.3 in the City's MSCP should be followed. These guidelines involve avoiding drainage from impervious surfaces and the release of toxins into the MHPA. If construction activity occurs during the avian breeding season (January 1 through September 15), light should be directed away from sensitive resources and noise impacts minimized through noise reduction measures.	Before and during construction	City of San Diego



Ms. Jamie Kennedy  
 City of San Diego  
 December 3, 2020  
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A-15

MM BIO-3	<p>If Project activities cannot be avoided from January 1 through September 15, CDFW recommends a qualified biologist complete a preconstruction survey no more than three days prior to the beginning of any Project-related activity for nesting bird activity within the limits of disturbance and 500 feet from the area of disturbance. The nesting bird surveys should be conducted at appropriate nesting times and concentrate on potential roosting or perch sites. If Project activities are delayed or suspended for more than 14 days during the breeding season, surveys should be repeated. If nesting raptors and migratory songbirds are identified, CDFW recommends the following minimum no-disturbance buffers be implemented: 100 feet around non-listed active passerine (perching birds and songbirds) nests, 300 feet around any listed passerine nests (e.g., gnatcatcher) and 500 feet around active non-listed raptor nests. These buffers should be maintained until the breeding season has ended or until a qualified biologist has determined that the birds have fledged and are no longer reliant upon the nest or parental care for survival. Nest buffers may be reduced, as appropriate, by a qualified biologist based on the existing ambient (noise, human activities, etc.) condition, presence of screening vegetation, or other factors.</p>	Before construction	City of San Diego in coordination with the qualified biologist
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## San Diego County Archaeological Society, Inc.

Environmental Review Committee

16 November 2020

To: Ms. Jamie Kennedy  
Development Services Department  
City of San Diego  
1222 First Avenue, Mail Station 501  
San Diego, California 92101

Subject: Draft Mitigated Negative Declaration  
Water and Storm Water Group Job 968  
Project No. 630996

Dear Ms. Kennedy:

I have reviewed the subject DMND on behalf of this committee of the San Diego County Archaeological Society.

Based on the information contained in DMND and the information provided on the City's website for the project, we agree with the mitigation program as defined in the DMND.

Thank you for the opportunity to review and comment upon this project's environmental documents.

Sincerely,

A handwritten signature in black ink, appearing to read "James W. Royle, Jr.", is written over the typed name.

James W. Royle, Jr., Chairperson  
Environmental Review Committee

cc: SDCAS President  
File



**DEPARTMENT OF TRANSPORTATION**

DISTRICT 11  
4050 TAYLOR STREET, MS-240  
SAN DIEGO, CA 92110  
PHONE (619) 688-3137  
FAX (619) 688-4299  
TTY 711  
www.dot.ca.gov



Making Conservation  
a California Way of Life.

December 14, 2020

11-SD-VAR

PM VAR

Water and Storm Water Group Job 968

MND/SCH# 2020110047

Ms. Jamie Kennedy  
Senior Planner  
City of San Diego  
1222 1<sup>st</sup> Avenue  
San Diego, CA 92101

Dear Ms. Kennedy:

C-1

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the Mitigated Negative Declaration (MND) for the Water and Storm Water Group Job 968 Project located near Interstate 805 (I-805), Interstate 15 (I-15), Interstate 8 (I-8), and State Route 94 (SR-94). The mission of Caltrans is to provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability. The Local Development-Intergovernmental Review (LD-IGR) Program reviews land use projects and plans to ensure consistency with our mission and state planning priorities.

Caltrans has the following comments:

C-2

**Complete Streets and Mobility Network**

Caltrans views all transportation improvements as opportunities to improve safety, access and mobility for all travelers in California and recognizes bicycle, pedestrian and transit modes as integral elements of the transportation system. Caltrans supports improved transit accommodation through the provision of Park and Ride facilities, improved bicycle and pedestrian access and safety improvements, signal prioritization for transit, bus on shoulders, ramp improvements, or other enhancements that promotes a complete and integrated transportation system. Early coordination with Caltrans, in locations that may affect both Caltrans and the City of San Diego or other lead agency, is encouraged.]



C-2  
(cont)

To reduce greenhouse gas emissions and achieve California's Climate Change target, Caltrans is implementing Complete Streets and Climate Change policies into State Highway Operations and Protection Program (SHOPP) projects to meet multi-modal mobility needs. Caltrans looks forward to working with the City of San Diego to evaluate potential Complete Streets projects.

#### **Traffic Control Plan/Hauling**

C-3

The California Department of Transportation (Caltrans) has discretionary authority with respect to highways under its jurisdiction and may, upon application and if good cause appears, issue a special permit to operate or move a vehicle or combination of vehicles or special mobile equipment of a size or weight of vehicle or load exceeding the maximum limitations specified in the California Vehicle Code. The Caltrans Transportation Permits Issuance Branch is responsible for the issuance of these special transportation permits for oversize/overweight vehicles on the State Highway System. Additional information is provided online at:

<http://www.dot.ca.gov/trafficops/permits/index.html>

A Traffic Control Plan may need to be submitted to Caltrans District 11, including the interchanges at I-805, I-15, I-8, and SR-94, at least 30 days prior to the start of any construction. Traffic shall not be unreasonably delayed. The plan shall also outline suggested detours to use during closures, including routes and signage.

Potential impacts to the highway facilities (I-805, I-15, I-8, and SR-94) and traveling public from the detour, demolition and other construction activities should be discussed and addressed before work begins.

#### **Environmental**

C-4

Most of the project scope of work is outside of Caltrans right of way (R/W), however, there may be work adjacent to the R/W.

Caltrans welcomes the opportunity to be a Responsible Agency under the California Environmental Quality Act (CEQA), as we have some discretionary authority of a portion of the project that is in Caltrans' R/W through the form of an encroachment permit process. We look forward to the coordination of our efforts to ensure that Caltrans can adopt the alternative and/or mitigation



measure for our R/W. We would appreciate meeting with you to discuss the elements of the EIR that Caltrans will use for our subsequent environmental compliance.

C-4

An encroachment permit will be required for any work within the Caltrans' R/W prior to construction. As part of the encroachment permit process, the applicant must provide approved final environmental documents for this project, corresponding technical studies, and necessary regulatory and resource agency permits. Specifically, CEQA determination or exemption. The supporting documents must address all environmental impacts within the Caltrans' R/W and address any impacts from avoidance and/or mitigation measures.

We recommend that this project specifically identifies and assesses potential impacts caused by the project or impacts from mitigation efforts that occur within Caltrans R/W that includes impacts to the natural environment, infrastructure (highways/roadways/on- and off-ramps) and appurtenant features (lighting/signs/guardrail/slopes). Caltrans is interested in any additional mitigation measures identified for the MND.

#### **Right-of-Way**

C-5

- Provide site plans for the complete project locations. This will enable us to evaluate if any project area or work is contiguous to Caltrans R/W. Please include all project site plans (i.e., all project sites 1-12).

C-6

- The Office of Planning and Research (OPR) CEQA Database Project information indicates that the various project sites are near SR-163 and SR-94 at various PM locations. The Project site locations from the City of San Diego plans show the locations are closer to I-805, I-15, and I-8. Please confirm the correct information.

C-7

- As of this date, the only R/W concerns for the project are Site 4 and Site 12. Both the 50-foot and 300-foot buffers appear to intrude into the State's R/W. Please check with District 11 Permits in order to obtain documents allowing you to work in the area. When we have received a full set of site plans, we will be able to determine whether there are other R/W concerns.

C-8

- Please identify and show all Caltrans R/W lines on plans.

C-9

- Please identify existing utilities within each Project location by obtaining as-built plans from utility owners and then prepare a utility base map for each project site location.



Ms. Jamie Kennedy  
December 14, 2020  
Page 4

- C-10 [
- Per Business and Profession Code 8771, perpetuation of survey monuments by a licensed land surveyor is required, if they are being destroyed by any construction.
- C-11 [
- Any work performed within Caltrans R/W will require discretionary review and approval by Caltrans and an encroachment permit will be required for any work within the Caltrans R/W prior to construction.

C-12 [

Additional information regarding encroachment permits may be obtained by contacting the Caltrans Permits Office at (619) 688-6158 or by visiting the website at <http://www.dot.ca.gov/trafficops/ep/index.html>. Early coordination with Caltrans is strongly advised for all encroachment permits.

If you have any questions, please contact Charlie Lecourtois, of the Caltrans Development Review Branch, at (619) 985-4766 or by e-mail sent to [Charlie.Lecourtois@dot.ca.gov](mailto:Charlie.Lecourtois@dot.ca.gov).

Sincerely,

**electronically signed by**

MAURICE EATON, Branch Chief  
Local Development and Intergovernmental Review



## Response To Comments, Water and Storm Water Group 968

### Comment Letters

Letter	Author	Date
A	David Mayer California Department of Fish and Wildlife	December 3, 2020
B	James Royle San Diego County Archaeological Society	November 16, 2020
C	Maurice Eaton, Branch Chief Local Development and Intergovernmental Review, Caltrans	December 14, 2020

#### A. David Mayer - California Department of Fish and Wildlife

A-1. Comment noted. The City understands the comment is an introduction to issues detailed further in the letter. No further response is required.

A-2. Comment noted. The City acknowledges CDFW's role as a Trustee Agency and as a Responsible Agency. CDFW also administers the NCCP and MSCP programs. No further response is required.

A-3. Comment noted. This comment summarizes the project description, including the project's objective, location, biological setting, mitigation ratios, and timeframe. No response is necessary.

A-4. Comment noted.

A-5. Please reference plan sheets 27 and 28 for water main installation at Site 12. Installation shall be by cured in place pipe liner rehabilitation (CIPP) from about STA 1+00 to STA 4+30, by trenchless methods from about STA 4+30 to 6+45, and by conventional open trench methods from STA 6+45 to 8+70. These methods will involve 3 excavations; one at STA 1+00 within the City street approximately 5' by 5' to begin the CIPP rehab installation; a second at STA 4+30 within the canyon approximately 10' by 15' which shall serve as the end of the CIPP rehab and beginning of the trenchless operation; and a third shall serve as the terminus of the trenchless pipeline installation and beginning of the conventional open trench installation approximately 3' wide and running the length of the pipeline.

Aqua Pipe is a form of cured in place pipe liner approved to rehabilitate existing water main. The techniques are very similar to that of CIPP rehabilitation of sewer and gas pipelines. The contractor would excavate access pits at each end of the pipeline to be rehabilitated using conventional open trench methods. Next, the contractor would clean and smooth down the pipeline. They will then slip the liner coated with epoxy through the pipe and cure it. After the liner is cured and tested, the main is ready for reconnection. There are no services attached to this line so there should be no other excavations involved other than the access pits. Please note that CIPP is not proposed for the installation of the pipeline crossing the stream. Trenchless methods are posed at the stream crossing. More information regarding the products used by be found at the following website: <https://www.aqua-pipe.com/>

Regarding the trenchless installation under the stream, this method was chosen to minimize impacts to the stream and vegetation. The launching pit for the trenchless operation is about 70 to 80 feet upstream. The depth of the main varies (measured from the surface to the top of pipe) but may be seen in the profile of sheet 27 and 28. The City allows the contractor to select any of or a combination of the 4 approved methods for trenchless installation; jacking, tunneling, micro-tunneling or horizontal



directional drilling. The City hires only experienced contractors to perform this work. Frack out may be avoided and minimized by constant monitoring of the operation and fluctuation pressure of the fluid as needed. The City employee will inspect the operation full time to ensure all best practices are being followed.

Regarding a scour analysis, there will be no permanent or temporary impacts placed within the stream that will cause additional scouring that what already occurs. The pipeline shall be placed well below scour level and has a low risk of becoming exposed in the future. The City does have an ongoing maintenance program should any problems develop in the future.

A-6. Gnatcatcher protocol surveys will be performed at 39<sup>th</sup> Street prior to construction if work occurs within the nesting season (Mar 1- Aug 15). The MMRP of the MND has been corrected and revised from Laurel Street to 39<sup>th</sup> Street to be consistent with information on the "Project Impacts" section on page 20 of the Biological Resources Letter Report prepared May 14, 2018 by Dudek.

A-7. Avoidance and minimization measures are included on project plans in order to comply with Land Use Adjacency Guidelines. Table 1 of the Addendum to the BLR is an analysis of MSCP Guidelines and include the Land Use Adjacency Guidelines. The concerns raised are addressed in this table, and as follows:

#### Avoid drainage of toxins into the MHPA

Project plans state, "No hazardous construction materials storage would be allowed, which could impact the adjacent MHPA (including fuel or sediment) and any drainage from the construction site must be clear of such materials. Consistent with the City Storm Water Standards, existing previously legal drainage, which flows toward the MHPA, shall be minimized." Therefore, release of toxins into the MHPA will be avoided.

#### Light use during nesting season

Project plans state, "No additional permanent lighting or night work is proposed for this project." Therefore, no lighting will be used for the project.

#### Noise impacts minimized

Project plans state, "If the species is observed during surveys then construction may be postponed. If construction cannot be postponed then noise attenuation by a qualified technician may occur." Therefore, noise reduction measures will be enacted if this situation occurs.

A-8. Mitigation Measure BIO-3 discusses general avian surveys, avoidance areas, and noise buffers and barriers. The MMRP states that avian mitigation will be determined by the Qualified Biologist and the City Assistant Deputy Director (ADD)/Mitigation Monitoring Coordination (MMC) and applicable resource agencies. The language is as follows, **"Biological Construction Mitigation/Monitoring Exhibit –** The Qualified Biologist shall present a Biological Construction Mitigation/Monitoring Exhibit (BCME), which includes the biological documents above. It should also include the following: restoration/revegetation plans, plant salvage/relocation requirements (if applicable), avian or other wildlife surveys/survey schedules (including general avian nesting and U.S. Fish and Wildlife Service (USFWS) protocol), timing of surveys, avian construction avoidance areas/noise buffers/ barriers, other impact avoidance areas, and any subsequent requirements determined by the Qualified Biologist and the City Assistant Deputy Director (ADD)/MMC." Therefore, general avian nesting pre-construction surveys will be completed if work occurs within the nesting season and avoidance and noise buffers will be established, as necessary. The 10-day period is standard language for all City projects for general avian



bird requirements. Surveys can occur no more than 10 days prior to construction but will be conducted at the discretion of the project biologist to ensure impacts are avoided. Any required protocol surveys will be conducted per established protocols.

A-9. Comment noted. The comment does not address the adequacy of the draft Mitigated Negative Declaration.

A-10. Comment noted.

A-11. Comment noted.

A-12. See response A-5.

A-13. See response A-6.

A-14. See response A-7.

A-15. See response A-8

#### **B. James Royle - San Diego County Archaeological Society**

B-1. Comments noted. No further response is required.

#### **C. Maurice Eaton - Caltrans**

C-1. The City understands the comment is an introduction to issues detailed further in the letter. No further response is required.

C-2. Comment Noted.

C-3. See response C-7.

C-4. See responses C-3 and C-7.

C-5. Site plans have been sent directly to Caltrans via email on December 22, 2020 and are also provided as Attachment 1 of the Final MND.

C-6. The Notice of Completion (NOC) sent to the Office of Planning and Research Database asks only which State highways are within 2 miles of the project, and it does not ask for which Interstate highways are within 2 miles, so that information was not included on the NOC. The project is also within 2 miles of I-805, I-15, and I-8.

C-7. If Caltrans refers strictly to a 300-foot radius around the project, then some of the sites are within this radius. However, most of the sites are separated from the State Routes by land, there is no direct street access to the state routes, and they are more than 300 feet away from on/off ramps. Temporary traffic control devices may encroach into CalTrans ROW at Site 4, Old Town; however, that cannot be known for certain until construction. The contractor will obtain any necessary encroachment permits prior to construction. Site 12, Manzanita Canyon, is completely within City ROW and easements. Additionally, the site is separated from the state route by land.

C-8. The City's ROW lines are clearly shown on project plans, confirming that the project footprint is completely contained within the City's ROW or easements. Engineering plans have been sent to Caltrans (see Response C-5).



C-9. Please refer to engineering plans. All utilities have been placed and labeled accordingly with information provided by utility companies in accordance with City standard operation procedures.

C-10. The City has an ongoing monument perpetuation program. Monuments shall be tied out before construction and perpetuated after construction by the City's survey team in accordance with the latest edition of the City of San Diego Standard Specifications for Public Works Construction ("Whitebook").

C-11. See response C-7.

C-12. Comment noted.



# WATER AND STORM DRAIN GROUP 968

CONTRACTOR'S RESPONSIBILITIES

1. PURSUANT TO SECTION 4216 OF THE GOVERNMENT CODE, AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION, YOU MUST CONTACT THE REGIONAL NOTIFICATION CENTER (E.G. UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA) AND OBTAIN AN INQUIRY IDENTIFICATION NUMBER.
2. NOTIFY SDG&E AT LEAST 10 WORKING DAYS PRIOR TO EXCAVATING WITHIN 10' OF SDG&E UNDERGROUND HIGH VOLTAGE TRANSMISSION POWER LINES. (I.E., 69 KV & HIGHER)
3. LOCATE AND RECONNECT ALL SEWER LATERALS. LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY; LATERAL RECORDS ARE AVAILABLE TO THE CONTRACTOR AT THE WATER DEPARTMENT, 2797 CAMINITO CHOLLAS. LOCATE THE IMPROVEMENTS THAT WILL BE AFFECTED BY LATERAL REPLACEMENTS.
4. EXCAVATE AROUND WATER METER BOX (CITY PROPERTY SIDE) TO DETERMINE IN ADVANCE, THE SIZE OF EACH SERVICE BEFORE TAPPING MAIN.
5. CITY FORCES, WHEN SPECIFIED OR SHOWN ON THE PLANS, WILL MAKE PERMANENT CUTS & PLUGS AND CONNECTIONS.
6. KEEP EXISTING MAINS IN SERVICE IN LIEU OF HIGH-LINING, UNLESS OTHERWISE SPECIFIED SHOWN ON PLANS.
7. THE LOCATIONS OF EXISTING BUILDINGS AS SHOWN ON THE PLAN ARE APPROXIMATE.
8. STORM DRAIN INLETS SHALL REMAIN FUNCTIONAL AT ALL TIMES DURING CONSTRUCTION.
9. UNLESS OTHERWISE NOTED AS PREVIOUSLY POTHOLED (PH, ELEVATIONS SHOWN ON THE PROFILE FOR EXISTING UTILITIES ARE BASED ON A SEARCH OF THE AVAILABLE RECORD INFORMATION ONLY AND ARE SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THE CITY DOES NOT GUARANTEE THAT IT HAS REVIEWED ALL AVAILABLE DATA. THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES EITHER SHOWN ON THE PLANS OR MARKED IN THE FIELD IN ACCORDANCE WITH THE SPECIFICATIONS SECTION 402-UTILITIES.
10. EXISTING UTILITY CROSSING AS SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT REPRESENTATIVE OF ACTUAL LENGTH AND LOCATION OF CONFLICT AREAS. SEE PLAN VIEW.
11. ALL ADVANCE METERING INFRASTRUCTURE (AM) DEVICES ATTACHED TO THE WATER METER OR LOCATED IN OR NEAR WATER METER BOXES, COFFINS, OR VAULTS SHALL BE PROTECTED AT ALL TIMES IN ACCORDANCE WITH THE CONTRACT DOCUMENT.
12. PROVIDE A CORROSION PREVENTATIVE COATING ON ALL BURIED DUCTILE IRON PIPE AND FITTINGS INCLUDING ALL BENDS, TEES, CROSSES, FLEX COUPLINGS FLANGE BOLTS, AND VALVES PER CONTRACT SPECIFICATIONS.
13. THE ENGINEER WILL COORDINATE ALL INTERACTIONS BETWEEN YOU AND THE CITY WATER OPERATIONS DIVISION, THE CITY WATER QUALITY LABORATORY, AND OTHER CITY ORGANIZATIONS. UPON YOUR REQUEST, THE ENGINEER SHALL NOTIFY THE CITY'S PUBLIC UTILITIES DEPARTMENT STAFF AS NOTED BELOW WHICH SHALL BE REQUIRED AT LEAST 20 WORKING DAYS PRIOR TO THE BEGINNING OF WORK THAT INVOLVES SHUTTING DOWN PIPELINES, HIGH-LINING, CUTTING AND PLUGGING OR OR MAKING CONNECTIONS TO EXISTING WATER MAINS.  
- TRANSMISSION MAINS (16 INCHES AND LARGER) JESUS RAMOS (619)-527-7438  
- DISTRIBUTION MAINS (LESS THAN 16 INCHES) TISA AGUERO (619)-527-3143  
- WATER FACILITIES TATYANA FIKHMAN (619)-527-7465 AND JESUS RAMOS (619)-527-7438

MONUMENTATION/SURVEY NOTES

THIS MAP WAS CREATED FROM A PARCEL LAYER AND DOES NOT DEPICT THE ACTUAL LOCATION OF THE PROPERTY LINES. NO BOUNDARY ANALYSIS WAS PERFORMED. THE SURVEY MONUMENTS HAVE BEEN LOCATED BY SURVEY GRADE MEASUREMENTS, AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

THE CITY OF SAN DIEGO LAND SURVEYORS SHALL REPLACE SUCH MONUMENTS WITH APPROPRIATE MONUMENTS. WHEN SETTING SURVEY MONUMENTS USED FOR RE-ESTABLISHMENT OF THE DISTURBED CONTROLLING SURVEY MONUMENTS AS REQUIRED BY SECTIONS 6730.2 AND 8771 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED WITH THE COUNTY SURVEYOR.

IF ANY HORIZONTAL OR VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF SAN DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING ANY HORIZONTAL CONTROL AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION IF THE CITY OF SAN DIEGO SURVEY SECTION IS NOT NOTIFIED PRIOR TO CONSTRUCTION. THE FILING OF A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE SHALL BE FILED WITH COUNTY SURVEYOR. A COPY OF THE FILED DOCUMENT SHALL BE FURNISHED TO THE CITY OF SAN DIEGO SURVEY SECTION.

ABBREVIATIONS

ABAND	ABANDON	EL, ELEV	ELEVATION	OVHD	OVER HEAD
ABAND'D	ABANDONED	ELEC	ELECTRIC	PVC	POLYVINYL CHLORIDE
AC	ASBESTOS CEMENT PIPE	EX, EXIST	EXISTING	PROP	PROPOSED
AHD	AHEAD	E/O	EAST OF	RED	REDUCER
ASSY	ASSEMBLY	F	FLANGE	RT	RIGHT
BFV	BUTTERFLY VALVE	FH	FIRE HYDRANT	S	SURVEY LINE
BK	BACK	FS	FIRE SERVICE	SD&AE	SAN DIEGO & ARIZONA EASTERN RAILROAD
BTWN	BETWEEN	GV	GATE VALVE	SDTI	SAN DIEGO TROLLEY INC.
CATV	CABLE TV	HDPE	HIGH-DENSITY POLYETHYLENE	SO	STUB OUT
CI	CAST IRON PIPE	HP	HIGH PRESSURE	S/O	SOUTH OF
C	CENTER LINE	IE	INVERT ELEVATION	SWR	SEWER
COND	CONDUIT	LT	LEFT	TEL	TELEPHONE
CONT	CONTINUED	MJ	MECHANICAL JOINT	UNK	UNKNOWN
CONTR	CONTRACTOR	MTS	SAN DIEGO METROPOLITAN	VC	VITRIFIED CLAY PIPE
DB	DIRECT BURIED		TRANSIT SYSTEM	WM	WATER METER
DI	DUCTILE IRON	MTD	MULTIPLE TELEPHONE DUCT	WTR	WATER
EB	ENCASED BURIED	N/O	NORTH OF	W/O	WEST OF

EXISTING STRUCTURES

EX WATER MAIN & VALVES	-----⊙-----	EX GROUND LINE (PROFILE)	=====
EX WATER METER	-----□-----	EX TRAFFIC SIGNAL	⊕ TS
EX FIRE HYDRANT	⊕	EX STREET LIGHT	⊕ SL
EX SEWER MAIN & MANHOLES	-----□-----	GAS MAIN	-----C-----
EX DRAINS	=====	ELEC. COND., TEL. COND., CATV	---E---T---C---
EX PAVEMENT (PROFILE)	////////	RAILROAD, TROLLEY TRACKS	=====

SHEET INDEX

SHEET NO.	DISCIPLINE CODE	TITLE	LIMITS	PIPE		LENGTH (FT)
				SIZE (IN)	MATERIAL	
1	G-1	COVER SHEET				
2	G-2	KEY MAP				
3	G-3	KEY MAP				
4	C-1	KELLOGG DR	WATER STA 1+00 TO 6+00	8		500.00
5	C-2	KELLOGG DR	STA 6+00 TO 12+51.24	8		651.24
6	C-3	PRIVATE RD PUBLIC AGENCY NAVY	STA 1+00.00 TO STA 7+36.49	12		636.49
7	C-4	NORTH HARBOR DR	STA 1+00.00 TO STA 6+77.99	12		577.99
8	C-5	WHITMAN ST	STA 1+00.00 TO STA 5+18.35	16		418.35
9	C-6	CAMINO DEL RIO NORTH	STA 1+00.00 TO STA 1+65.36	8		65.36
10	C-7	ALLEY BLOCK 136	STA 1+00.00 TO STA 5+97.50 AND 3+24.64	8		722.14
11	C-8	LAUREL ST	STA 1+00.00 TO STA 4+40.60	8		340.60
12	C-9	LAUREL ST	STA 1+00.00 TO STA 7+00.00	8		600.00
13	C-10	SYCAMORE DR	STA 7+00.00 TO STA 11+35.60	8		435.60
14	C-11	SHAMROCK ST	STA 1+00.00 TO STA 5+90.74	8		490.74
15	C-12	SYCAMORE DR	STA 1+00.00 TO STA 9+00.00	8		800.00
16	C-13	SCIMITAR DR	STA 9+00.00 TO STA 16+00.00	8		700.00
17	C-14	SCIMITAR DR	STA 16+00.00 TO STA 22+00.00	8		600.00
18	C-15	SCIMITAR DR	STA 22+00.00 TO STA 25+00.00	8		300.00
19	C-16	SCIMITAR DR				
20	C-17	ROSEVIEW PL	STA 1+00.00 TO 2+57.95	18	RCP	157.95
21	C-18	WATER ABANDONMENT				
22	C-19	CITY FORCES		TOTAL WATER		7838.51
23	C-20	CURB RAMP LOCATION		TOTAL SD		157.95
24	C-21	STREET RESURFACING		DISCIPLINE CODE		
25	C-22	BATCH DISCHARGE		G	GENERAL	
26	C-23	BATCH DISCHARGE		C	CIVIL	

CONSTRUCTION STORM WATER PROTECTION NOTES

1. TOTAL SITE DISTURBANCE AREA (ACRES) 0.98 ACRE  
HYDROLOGIC UNIT/ WATERSHED SAN DIEGO MESA/PUEBLO SAN DIEGO  
HYDROLOGIC SUBAREA CHOLLAS
2. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE  
☒ WPCP  
THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100  
☐ SWPPP  
THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100 AND CONSTRUCTION GENERAL PERMIT ORDER 2009-0009-DWQ AS AMENDED BY ORDER 2010-0014-DWQ AND 2012-0006-DWQ  
TRADITIONAL: RISK LEVEL 1 ☐ 2 ☐ 3 ☐  
LUP: RISK TYPE 1 ☐ 2 ☐ 3 ☐
3. CONSTRUCTION SITE PRIORITY  
☐ ASBS ☐ HIGH ☐ MEDIUM ☒ LOW

GEOTECHNICAL MONITORING NOTES

GEOTECHNICAL MONITORING OF EXCAVATIONS AT SITE 4 (OLD TOWN) AND SITE 7 (MID-CITY QUINCE ST) ARE REQUIRED AND SHALL BE PROVIDED BY THE CITY. CONTRACTOR SHALL COORDINATE WITH MONITOR 3 DAYS PRIOR TO EXCAVATIONS

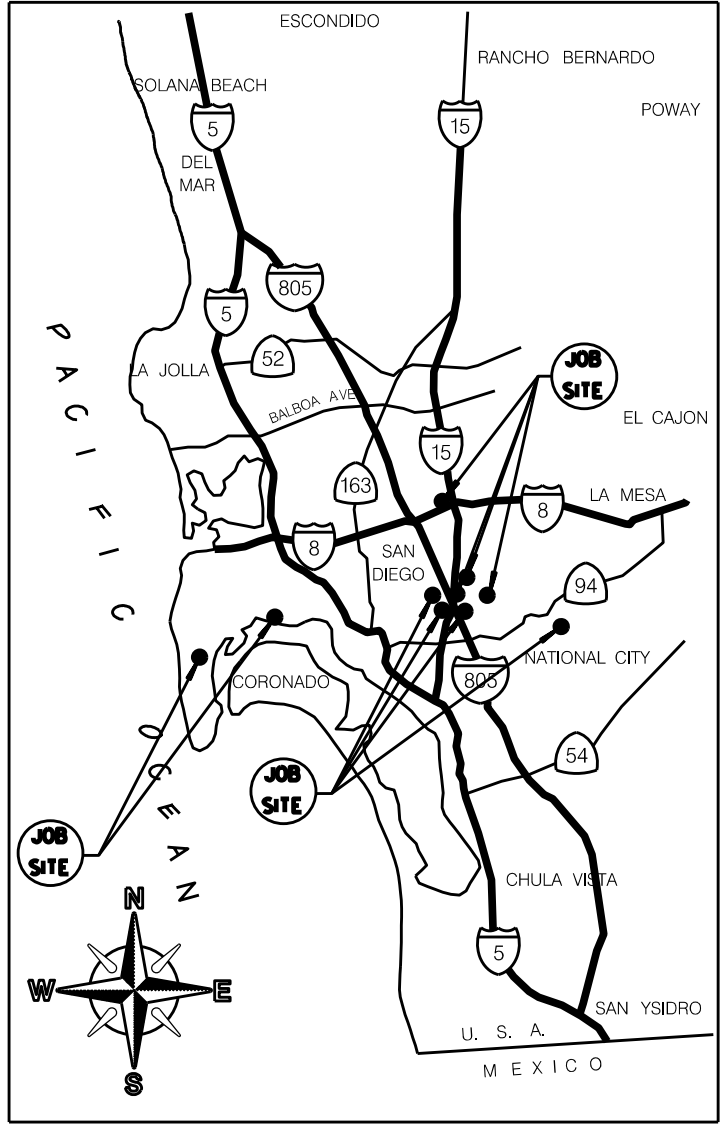
FIELD DATA

TOPOGRAPHY SOURCE: BASED ON A FIELD SURVEY PERFORMED BY THE CITY OF SAN DIEGO SURVEYING DIVISION ON 04/26/2017, R.BROOKS, WBS: B-14099  
BENCHMARK: SWBP BOUNDARY & LAUREL ELE. 295.149 MSL, BASED ON NGVD 29 FEET AS SHOWN IN CITY OF SAN DIEGO BENCH BOOK  
FIELD NOTES: DAVIS, 252-1692, 02-24-2015, W.O. B-14099  
DATUM: MEAN SEA LEVEL NGVD 29 FEET  
BASIS OF BEARING / COORDINATES: THE BASIS OF BEARING FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R. OF S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 91.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BROADCAST OF 2014, AND CONSTRAINING TO GPS 17, & GPS 1160, IE, S22° 17'35"E

STREETS REQUIRING 12" TRENCH CAP:  
CAMINO DEL RIO NORTH

WORK TO BE DONE

CONSTRUCTION OF WATER AND STORM DRAIN GROUP 968  
CONSISTS OF THE INSTALLATION OF 7,927 LINEAR FEET 8", 12" AND 16", OF WATER MAINS, AND 157.95 LINEAR FEET OF STORM DRAIN, WATER SERVICES, FIRE HYDRANTS, AND OTHER APPURTENANCES SHOWN ON THESE PLANS, AND SPECIFICATIONS.



VICINITY MAP  
NOT TO SCALE

LEGEND

IMPROVEMENTS	REFERENCE	SYMBOL
PIPE SUPPORT FOR UNDERCUT AC WATER MAIN	SDW-162	
CUTOFF WALL	SDS-115	
CUTTING AND PLUGGING ABANDONED WATER MAIN	WP-03	
SURVEY MONUMENT	M-10A	
WATER MAIN & APPURTENANCES	SDW-110, SDW-105, SDW-151, SDW-161	
VALVES WITH CAPS AND WELLS	SDW-109, SDW-152, SDW-153, WV-05	
FIRE SERVICE CONNECTION & ASSEMBLY	SDW-109, SDW-118, SDW-148, SDW-152, SDW-153	
6" FIRE HYDRANT ASSEMBLY & MARKER 2-PORT UNLESS SPECIFIED AS 3-PORT	SDW-104, SDW-109, SDW-148, SDW-152, SDW-153	
1" WATER SERVICE UNLESS OTHERWISE SPECIFIED	SDW-107, SDW-134, SDW-135, SDW-136, SDW-137, SDW-138, SDW-148, SDW-149, SDW-150, WS-03	
WATER SERVICE TRANSFER	SDW-149, SDW-150	
BLOW-OFF ASSEMBLY	SDW-106, SDW-143, SDW-144, SDW-145, SDW-146, SDW-148, WB-05,	
AIR & VACUUM VALVE	SDW-117, SDW-148, SDW-158, SDW-159, SDW-160	
BACKFLOW PREVENTER 4" AND LARGER SERVICE	SDW-105	
BACKFLOW PREVENTER	SDW-119	
CONCRETE ENERGY DISSIPATOR - TYPE I	SDD-105	
CURB INLET - TYPE A	SDD-115	
STORM DRAIN	D-61, SDD-110	
HIGHLINING BY CONTRACTOR	SDW-170, SDW-171, SDW- 172, SDW-173	IF APPLICABLE
DUAL ABOVE GROUND METER WITH CITY BACKFLOW PREVENTER	SDW - 119	
FOR ADDITIONAL SYMBOLS SEE RESURFACING, CURB RAMP AND TRAFFIC CONTROL SHEETS.		

G-1

PLANS FOR THE CONSTRUCTION OF  
WATER AND STORM DRAIN GROUP 968  
COVER SHEET

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.
	7/1/2020	1, 3 THROUGH 23, AND 25 THROUGH 26	
	12/18/2020	1 AND 1A	

WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

The City of  
**SAN DIEGO** Public Utilities

AS-BUILT INFORMATION	
MATERIALS	MANUFACTURER
PIPE CL 235 (WATER)	-
PIPE CL 305 (WATER)	-
GATE VALVES	-
FIRE HYDRANTS	-
	-
	-
	-

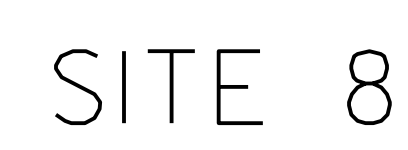
SPEC. NO. 1935	CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 01 OF 26 SHEETS	WATER WBS B-14099 SEWER WBS B-15028
APPROVED: FOR CITY ENGINEER NICOLE SALEM PRINT DCE NAME RCE# C-88116	DATE C-88116	DESIGNED BY: JAMAL SHERZAI PROJECT MANAGER CHECKED BY: BOBAK MADGEDOL PROJECT ENGINEER
DESCRIPTION BY ORIGINAL	BY BM/EG	APPROVED DATE FILMED
ADD G	BM/EG	
ADD H	JS/NS	
CONTRACTOR INSPECTOR		DATE STARTED DATE COMPLETED

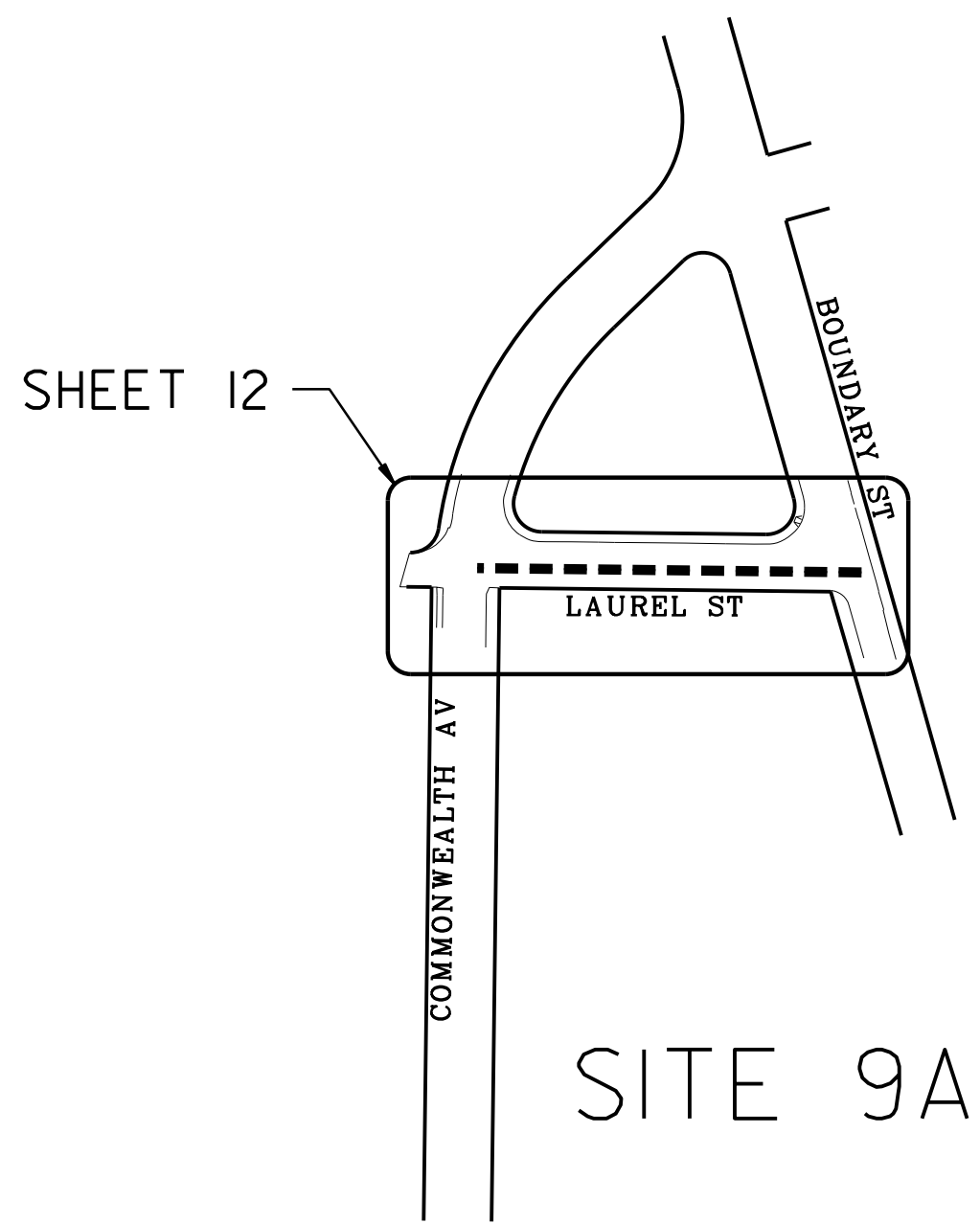
General Planning Policies and Design Guidelines Section 1.4.2 MSCSP Subarea Plan*	Applicability	Implementation
<i>Roads and Utilities</i> Temporary construction areas and roads, staging areas, or permanent access roads must not disturb existing habitat unless determined to be unavoidable. All such activities must occur on existing agricultural lands or in other disturbed areas rather than in habitat. If temporary habitat disturbance is unavoidable, then restoration of and/or mitigation for the disturbed area after project completion will be required.	All vegetated areas temporarily disturbed by construction will be restored with native species.	The contractor shall permanently revegetate all disturbed areas.
Construction and maintenance activities in wildlife corridors must avoid significant disruption of corridor usage. Environmental documents and mitigation monitoring and reporting programs covering such development must clearly specify how this will be achieved, and construction plans must contain all the pertinent information and be readily available to crews in the field. Training of construction crews and field workers must be conducted to ensure that all conditions are met. A responsible party must be specified.	No direct impacts to wildlife corridors are anticipated.	N/A
Roads in the MHPA will be limited to those identified in Community Plan Circulation Elements, collector streets essential for area circulation, and necessary maintenance/emergency access roads. Local streets should not cross the MHPA except where needed to access isolated development areas.	The proposed project does not involve the construction of new roads, trails, or access paths.	N/A
Development of roads in canyon bottoms should be avoided whenever feasible. If an alternative location outside the MHPA is not feasible, then the road must be designed to cross the shortest length possible of the MHPA in order to minimize impacts and fragmentation of sensitive species and habitat. If roads cross the MHPA, they should provide for fully functional wildlife movement capability. Bridges are the preferred method of providing for movement, although culverts in selected locations may be acceptable. Fencing, grading and plant cover should be ascertained where needed to protect and shield animals, and guide them away from roads to appropriate crossings.	The proposed project does not involve the construction of new roads, trails, or access paths.	N/A

<p>Land uses, such as recreation and agriculture, that use chemicals or generate by-products such as manure, that are potentially toxic or impactive to wildlife, sensitive species, habitat, or water quality need to incorporate measures to reduce impacts caused by the application and/or drainage of such materials into the MHPA.</p>	<p><b>Toxics</b></p> <p>No hazardous construction materials storage would be allowed, which could impact the adjacent MHPA (including fuel or sediment) and any drainage from the construction site must be clear of such materials.</p> <p>Consistent with the City Storm Water Standards, existing previously legal drainage, which flows toward the MHPA, shall be minimized</p>	<p>The contractor shall ensure all areas for staging, storage of equipment and materials, trash, equipment maintenance, and other construction-related activities are within the limits of the project Area of Potential Effect.</p>
<p><b>Lighting</b></p>	<p><b>Lighting</b></p>	<p><b>Lighting</b></p>
<p>Lighting of all developed areas adjacent to the MHPA should be directed away from the MHPA. Where necessary, development should provide adequate shielding with non-invasive plant materials (preferably native), berming, and/or other methods to protect the MHPA and sensitive species from night lighting.</p>	<p>No additional permanent lighting or night work is proposed for this project.</p>	<p>N/A</p>
<p><b>Noise</b></p>	<p><b>Noise</b></p>	<p><b>Noise</b></p>
<p>Uses in or adjacent to the MHPA should be designed to minimize noise impacts. Berms or walls should be constructed adjacent to commercial areas, recreational areas, and any other uses that may introduce noises that could impact or interfere with wildlife utilization of the MHPA. Excessively noisy uses or activities adjacent to breeding areas must incorporate noise reduction measures and be curtailed during the breeding season of sensitive species. Adequate noise reduction measures should also be incorporated for the remainder of the year.</p>	<p>Appropriate nesting habitat adjacent to the MHPA is present for coastal California gnatcatcher at Site 8 and 12.</p>	<p>Construction at the sites listed will occur outside of the nesting season for this species. If construction occurs during the breeding season of this species, (3/1–8/15), then a pre-construction protocol and/or presence survey, as dictated in MSCP guidelines for the survey, will be conducted. If the species is observed during surveys then construction may be postponed. If construction cannot be postponed then noise attenuation by a qualified technician may occur.</p>
<p><b>Barriers</b></p>	<p><b>Barriers</b></p>	<p><b>Barriers</b></p>
<p>New development adjacent to the MHPA may be required to provide barriers (e.g., non-invasive vegetation, the rock/boulders, fences, walls, and/or signage) along the MHPA boundary to reduce public access to appropriate locations and reduce domestic animal predation.</p>	<p>The proposed project involves the replacement and abandonment of water main lines and replacement of storm drain lines. However, the MHPA will be installed below ground and all areas temporarily disturbed by construction will be restored to preconstruction contours and conditions. No permanent barriers are required or proposed.</p>	<p>N/A</p>

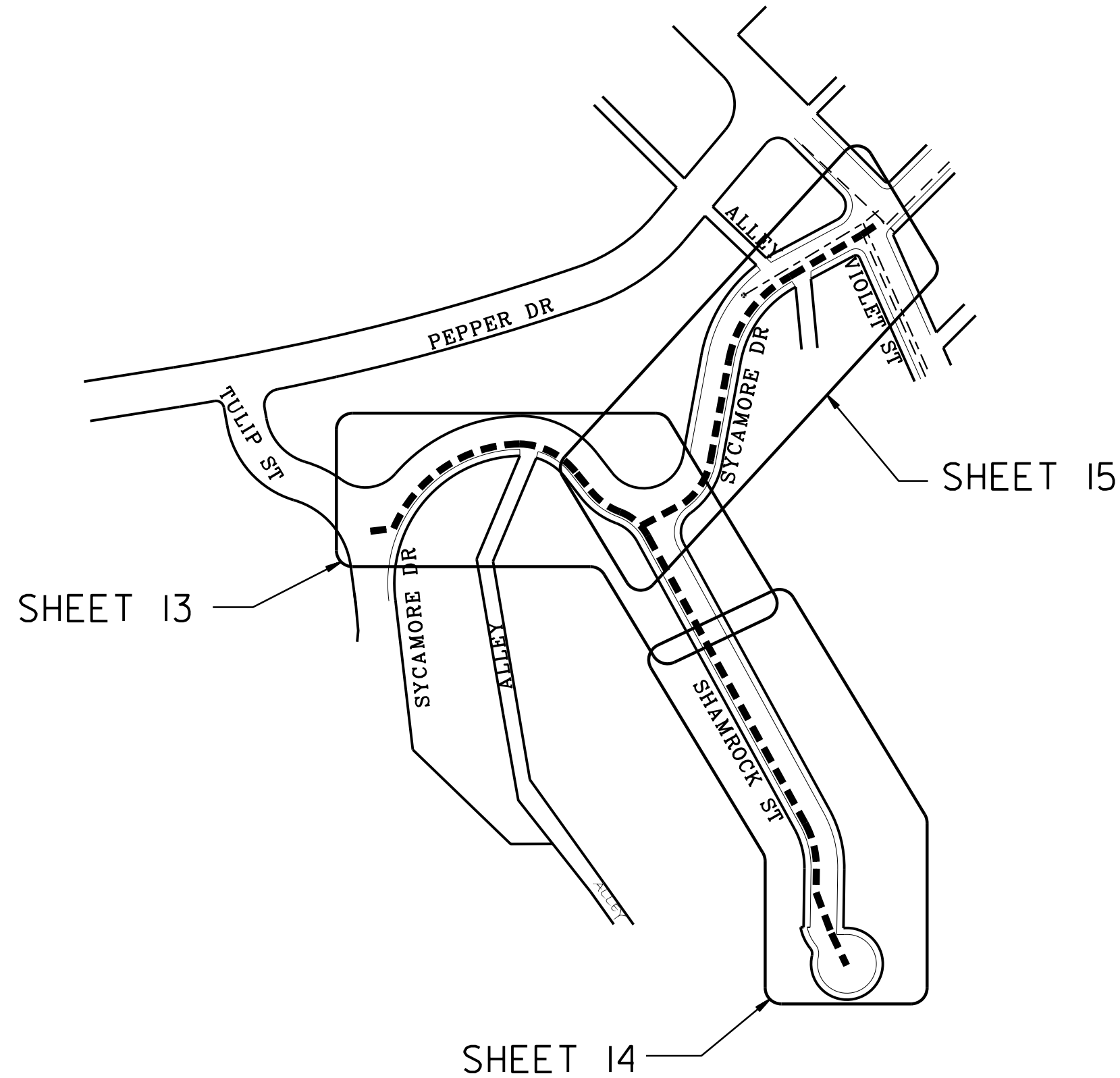
### **A ADDITION OF LAND USE ADJACENCY GUIDELINE NOTES**





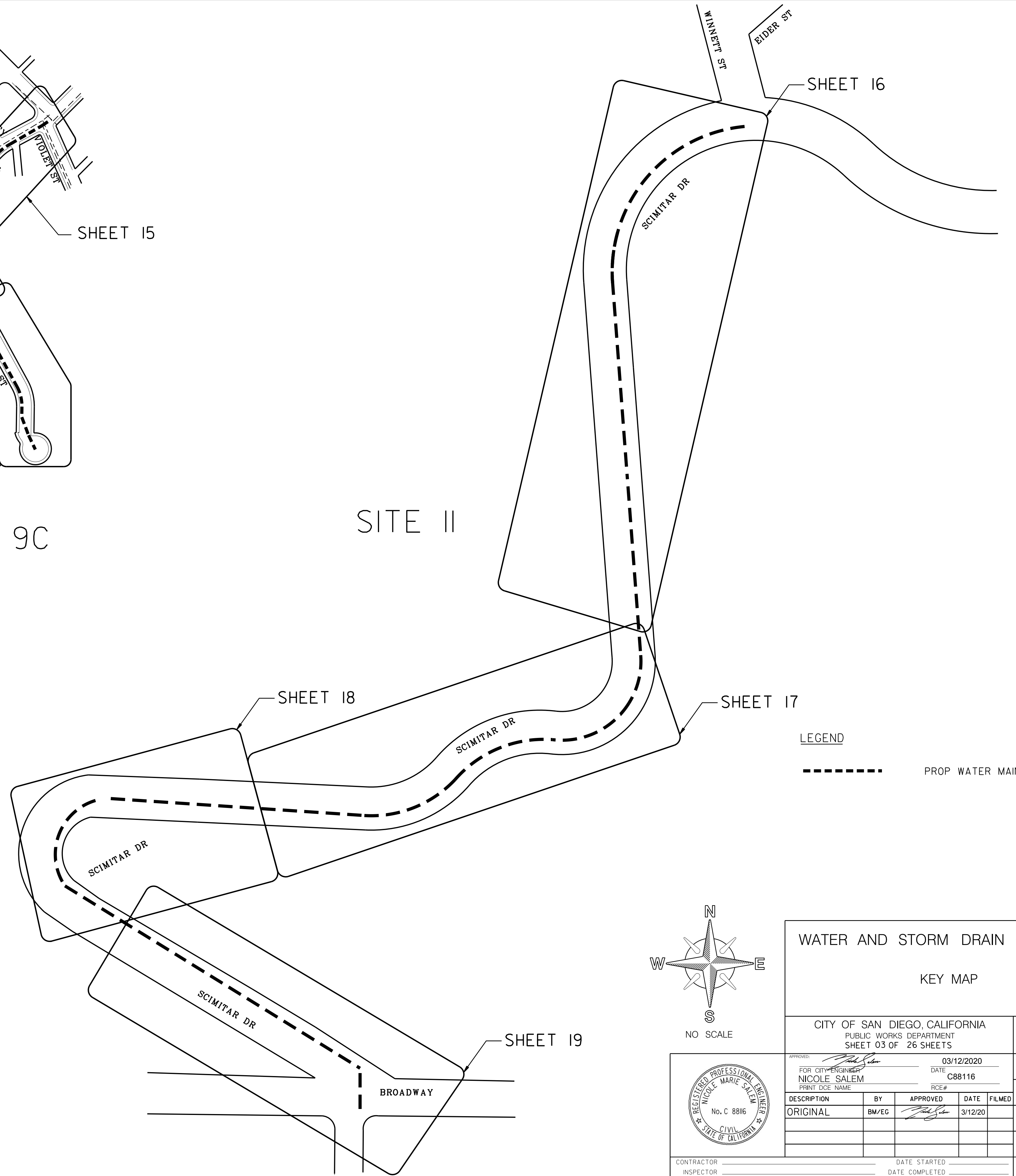


SITE 9A



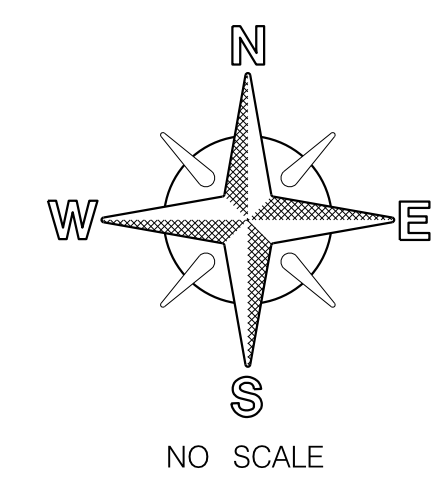
SITE 9C

SITE II



**LEGEND**

----- PROP WATER MAIN

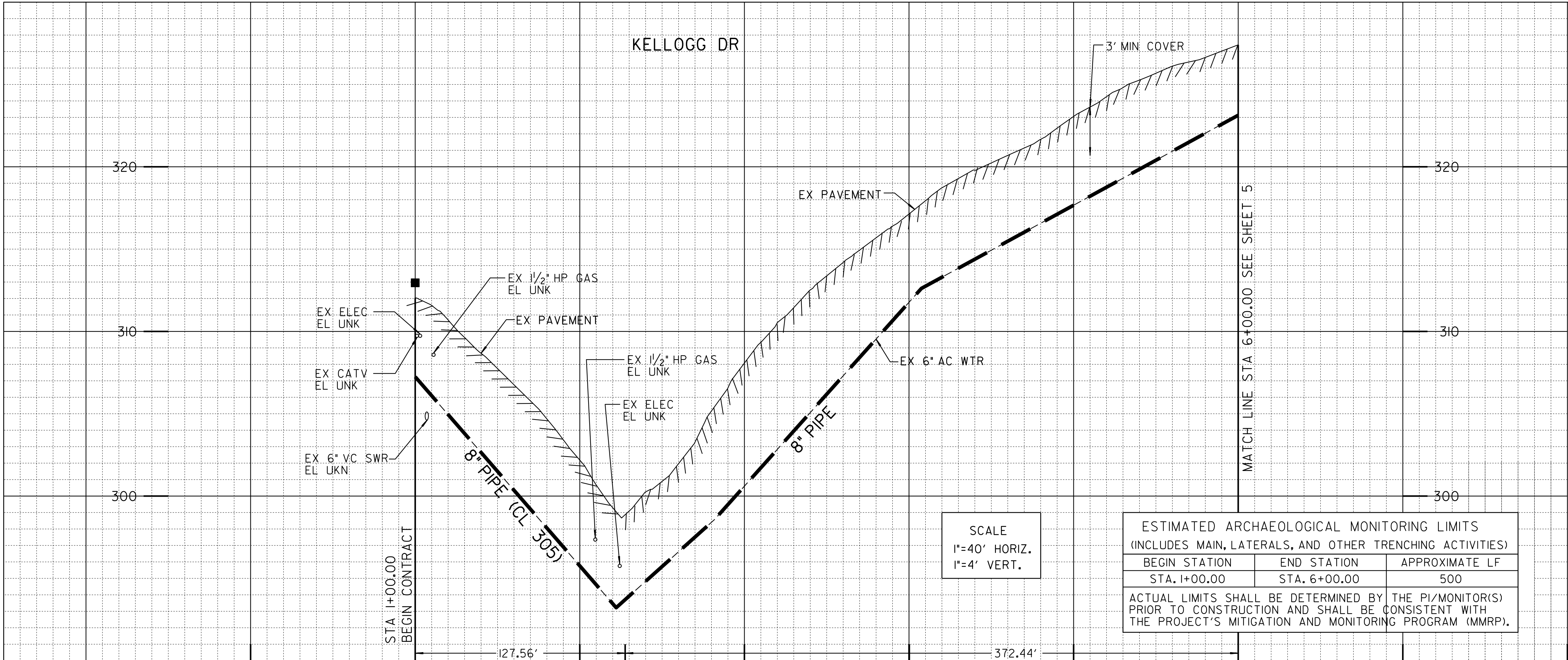


WATER AND STORM DRAIN GROUP 968					
KEY MAP					
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 03 OF 26 SHEETS				WATER WBS B-14099 SD B-15028	
APPROVED: <i>Nicole Marie Saleh</i> FOR CITY ENGINEER NICOLE SALEH PRINT DOE NAME				DATE 03/12/2020 C88116 RCE#	SUBMITTED BY JAMAL SHERZAI PROJECT MANAGER
DESCRIPTION ORIGINAL		BY BM/EG	APPROVED <i>Nicole Marie Saleh</i>	DATE 3/12/20	FILMED
CONTRACTOR				DATE STARTED	
INSPECTOR				DATE COMPLETED	
				24-1707 CCS27 COORDINATE	
				6268407-1854444 CCS83 COORDINATE	
				38719-03-D	

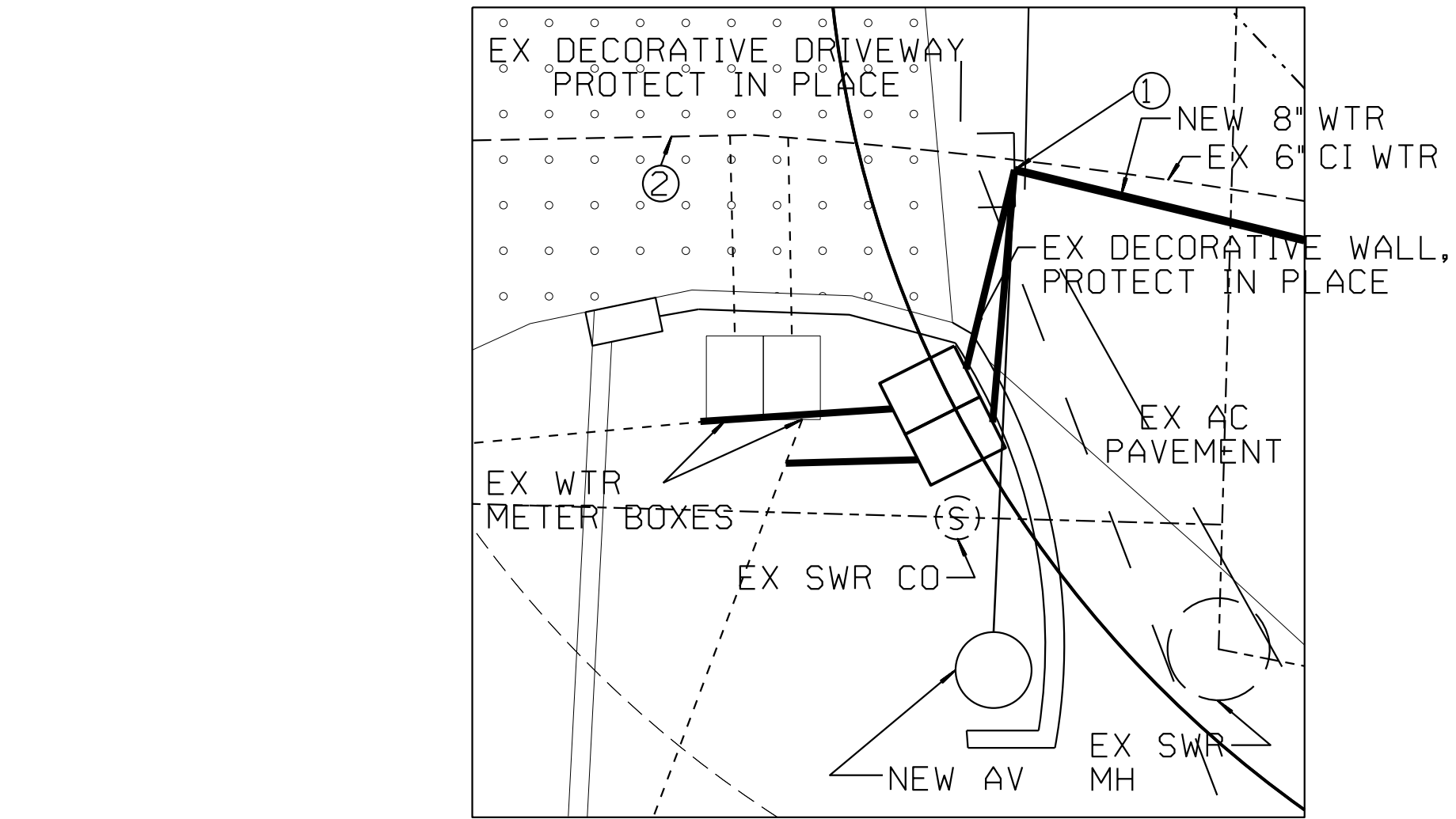
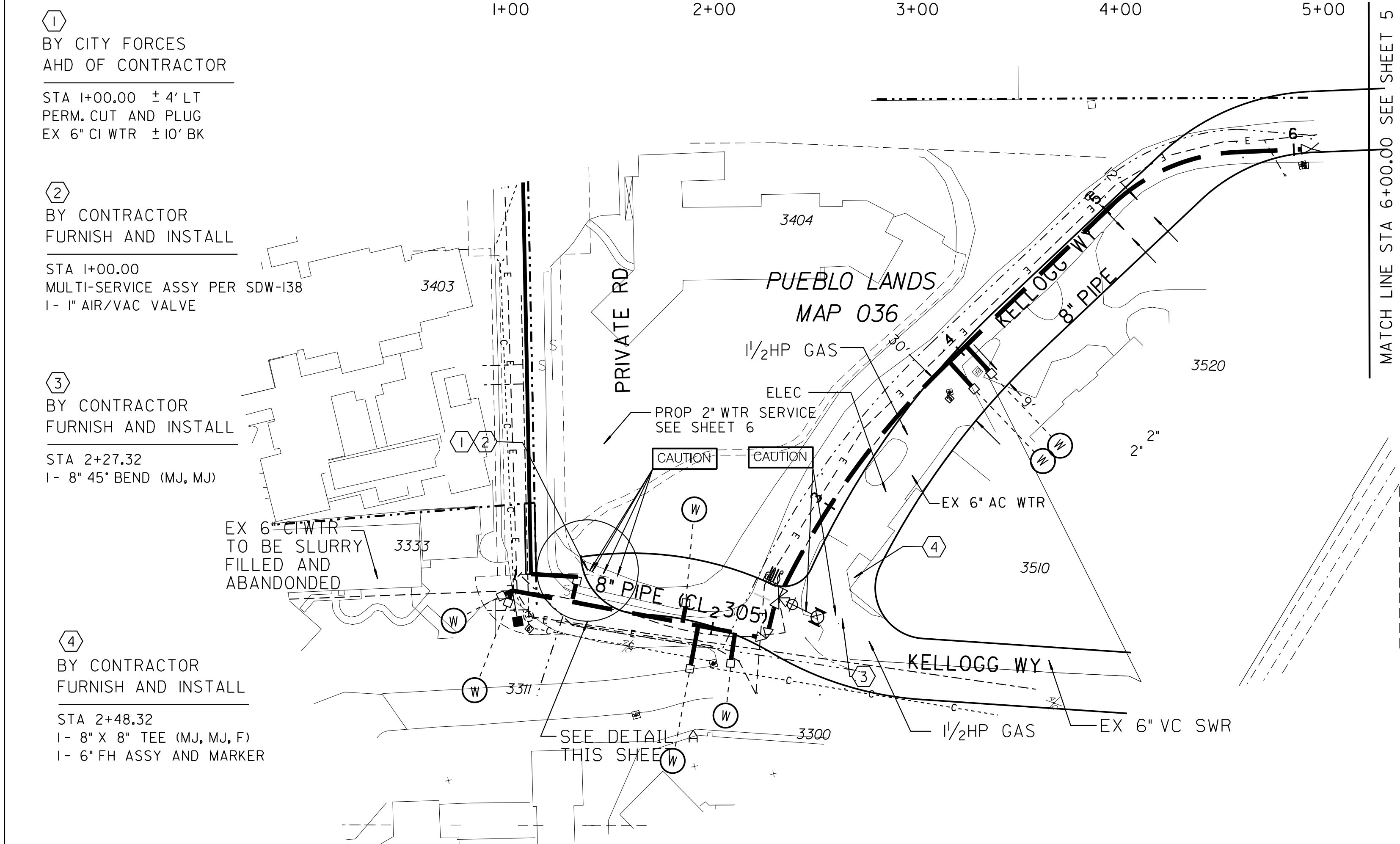
KEY MAP

G-3





Alignment Name: 001-SHT4-5.KELLOGG	Length: 146.14
Alignment Description:	Tangent: 73.92
Alignment Style: Default	Chord: 145.31
Station Northing Easting	Middle Ordinate: 6.76
	External: 6.87
Element: Linear	Tangent Direction: 5.39
POB ( ) 1+00.00 1838916.54 6255773.45	Radial Direction: 0.67
PI ( ) 2+27.32 1839032.91 6255825.09	Chord Direction: 5.57
Tangential Direction: 0.42	Radial Direction: 1.04
Tangential Length: 127.32	Tangent Direction: 5.76
Element: Linear	Element: Linear
PT ( ) 2+27.32 1839032.91 6255825.09	PT ( ) 3+94.46 1839153.39 6255712.05
PC ( ) 2+42.41 1839039.72 6255811.61	PC ( ) 5+04.00 1839247.59 6255656.16
Tangential Direction: 5.18	Tangential Direction: 5.75
Tangential Length: 15.09	Tangential Length: 109.53
Element: Circular	Element: Circular
PC ( ) 2+42.41 1839039.72 6255811.61	PC ( ) 5+04.00 1839247.59 6255656.16
PI ( ) 2+45.36 1839041.53 6255809.28	PI ( ) 5+39.51 1839278.30 6255638.32
CC ( ) 1839351.45 6256052.81	CC ( ) 1839295.32 6255738.30
PCC ( ) 2+48.32 1839043.37 6255806.97	PT ( ) 5+71.98 1839313.19 6255645.00
Radius: 394.15	Radius: 95.00
Delta: 0.01 Right	Delta: 0.72 Right
Degree of Curvature (Arc): 0.25	Degree of Curvature (Arc): 1.05
Length: 5.91	Length: 67.98
Tangent: 2.95	Tangent: 35.52
Chord: 5.91	Chord: 66.54
Middle Ordinate: 0.01	Middle Ordinate: 6.02
External: 0.01	External: 6.42
Tangent Direction: 5.37	Tangent Direction: 5.76
Radial Direction: 0.66	Radial Direction: 1.04
Chord Direction: 5.38	Chord Direction: 6.11
Radial Direction: 0.67	Radial Direction: 1.76
Tangent Direction: 5.39	Tangent Direction: 0.19
Element: Circular	Element: Linear
PCC ( ) 2+48.32 1839043.37 6255806.97	PT ( ) 5+71.98 1839313.19 6255645.00
PI ( ) 3+22.24 1839089.48 6255749.19	PI ( ) 6+08.72 1839349.27 6255651.91
CC ( ) 1839351.33 6256052.72	Tangential Direction: 0.19
PT ( ) 3+94.46 1839153.39 6255712.05	Tangential Length: 36.74
Radius: 394.00	
Delta: 0.37 Right	
Degree of Curvature (Arc): 0.25	



DETAIL A: NO SCALE

CONSTRUCTION NOTES

- CUT AND PLUG SHALL BE LOCATED WITHIN AC PAVEMENT, OUTSIDE OF DECORATIVE DRIVEWAY.
- 6" CI WTR PIPE SHALL BE PLUGGED AND SLURRY FILLED. CONTRACTOR SHALL INSPECT MAIN PRIOR TO PLUGGING TO ENSURE ALL EXISTING CONNECTIONS HAVE BEEN RECONNECTED

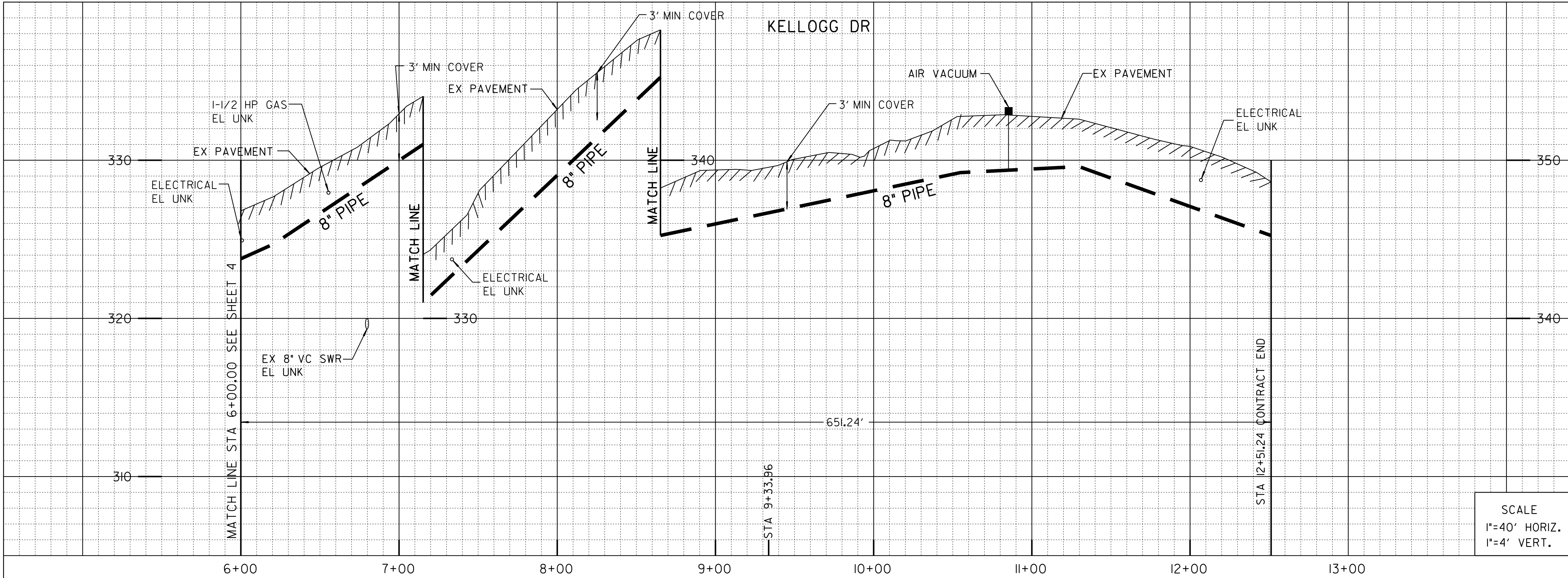
REFERENCE:

WATER: 23937-0-D, 142-0-B  
SEWER: 3948-0-B  
STORM DRAIN:  
GAS: 15652-118730  
ELECTRIC: 15645-118730  
CABLE TV:  
TELEPHONE:  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: B225  
THOMAS BROS.: 1287 4J  
HGL: 462

RETIREMENTS:

6" - AC - 220' - 1987  
6" - CI - 480' - 1948  
1" SERVICE - 2 - COPPER - 1948

WATER AND STORM DRAIN GROUP 968			
KELLOGG DR			
WEST OF KELLOGG WAY			
KELLOGG WAY TO KELLOGG DR			
CITY OF SAN DIEGO, CALIFORNIA		WATER WBS	B-14099
PUBLIC WORKS DEPARTMENT		SEWER WBS	B-15028
SHEET 04 OF 26 SHEETS			
APPROVED:	DATE	SUBMITTED BY	
FOR CITY ENGINEER	03/12/2020	JAMAL SHERZAI	
PRINT NAME	C88116	PROJECT MANAGER	
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	BM/EG	3/12/20	
ADDENDUM G	BM/SV	7/1/20	
DATE STARTED		DATE COMPLETED	
CONTRACTOR		INSPECTOR	
6250407-1838444		38719-04-D	
CCS83 COORDINATE		CCS27 COORDINATE	

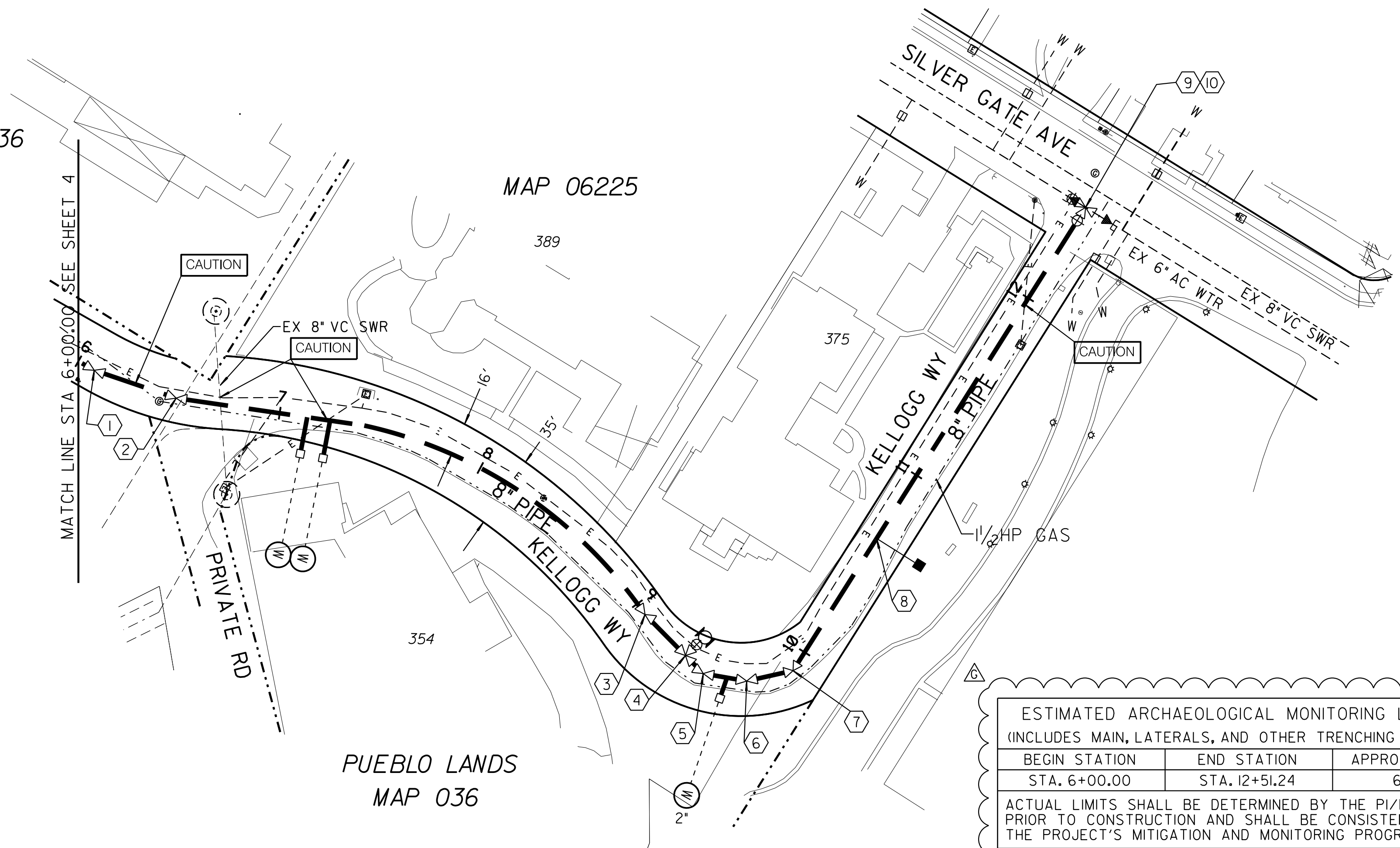


Alignment Name: 001-SHT4-5_KELLOGG	Element: Linear
Alignment Description: Station Northing Easting	PT ( ) 9+06.31 1839635.84 6255677.60
Element: Linear	PI ( ) 9+33.83 1839660.46 6255689.92
PT ( ) 5+71.98 1839313.19 6255645.00	Tangential Direction: 0.46
PI ( ) 6+08.72 1839349.27 6255651.91	Tangential Length: 27.53
Tangential Direction: 0.19	
Tangential Length: 36.74	
Element: Linear	Element: Linear
PI ( ) 6+08.72 1839349.27 6255651.91	PI ( ) 9+33.83 1839660.46 6255689.92
PI ( ) 6+50.04 1839390.60 6255651.91	PI ( ) 9+45.91 1839671.26 6255695.33
Tangential Direction: 0.00	Tangential Direction: 0.46
Tangential Length: 41.32	Tangential Length: 12.08
Element: Linear	Element: Linear
PI ( ) 6+50.04 1839390.60 6255651.91	PI ( ) 9+45.91 1839671.26 6255695.33
PC ( ) 7+40.83 1839479.86 6255635.37	PI ( ) 9+66.96 1839692.05 6255692.05
Tangential Direction: 6.10	Tangential Direction: 6.13
Tangential Length: 90.79	Tangential Length: 21.05
Element: Circular	Element: Linear
PC ( ) 7+40.83 1839479.86 6255635.37	PI ( ) 9+66.96 1839692.05 6255692.05
PI ( ) 8+27.71 1839566.21 6255625.64	PI ( ) 9+89.65 1839711.40 6255680.20
CC ( ) 1839504.47 6255853.67	Tangential Direction: 5.73
PT ( ) 9+06.31 1839635.84 6255677.60	Tangential Length: 22.69
Radius: 219.68	Element: Linear
Delta: 0.75 Right	PI ( ) 9+89.65 1839711.40 6255680.20
Degree of Curvature (Arc): 0.46	PI ( ) 10+64.32 1839728.86 6255607.60
Length: 165.48	Tangential Direction: 4.95
Tangent: 86.89	Tangential Length: 74.67
Chord: 161.59	Element: Linear
Middle Ordinate: 15.40	PI ( ) 10+64.32 1839728.86 6255607.60
External: 16.56	POE ( ) 12+51.24 1839772.45 6255425.83
Tangent Direction: 6.17	Tangential Direction: 4.95
Radial Direction: 1.46	Tangential Length: 186.92
Chord Direction: 0.26	
Radial Direction: 2.21	
Tangent Direction: 0.64	

SCALE  
1"=40' HORIZ.  
1"=4' VERT.

MAP 036

MAP 06225



- ① BY CONTRACTOR FURNISH AND INSTALL

STA 6+08.72  
1- 11 1/2" BEND (MJ, MJ)
- ② BY CONTRACTOR FURNISH AND INSTALL

STA 6+50.04  
1- 11 1/2" BEND (MJ, MJ)
- ③ BY CONTRACTOR FURNISH AND INSTALL

STA 9+06.31  
1- 22 1/2" BEND (MJ, MJ)
- ④ BY CONTRACTOR FURNISH AND INSTALL

STA 9+33.83  
1- 8" X 8" TEE (MJ, MJ, F)  
1- 6" FH ASSY AND MARKER
- ⑤ BY CONTRACTOR FURNISH AND INSTALL

STA 9+45.91  
1- 22 1/2" BEND (MJ, MJ)
- ⑥ BY CONTRACTOR FURNISH AND INSTALL

STA 9+66.96  
1- 22 1/2" BEND (MJ, MJ)
- ⑦ BY CONTRACTOR FURNISH AND INSTALL

STA 9+89.65  
1- 45" BEND (MJ, MJ)
- ⑧ BY CONTRACTOR FURNISH AND INSTALL

STA 10+64.32  
1- 1" AIR/VACUUM VALVE ASSY
- ⑨ BY CONTRACTOR FURNISH AND INSTALL

STA 12+51.24  
1- 8" X 8" TEE (F)  
2 - 8" GV (F, MJ) BK, LT  
1- 8"X6" RED (F, MJ) LT  
1- 8"X6" RED (MJ) RT
- ⑩ BY CITY FORCES AHD OF CONTRACTOR

STA 12+51.24  
CUT AND PLUG  
EX 6" AC WTR 10' LT, RT  
RECONNECT AFTER THE  
NEW MAIN HAS BEEN ACCEPTED

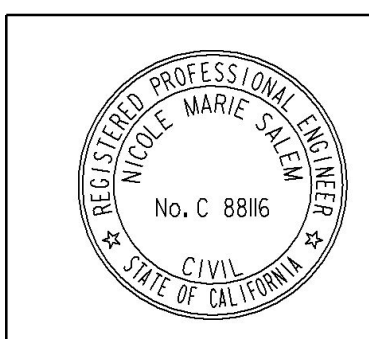
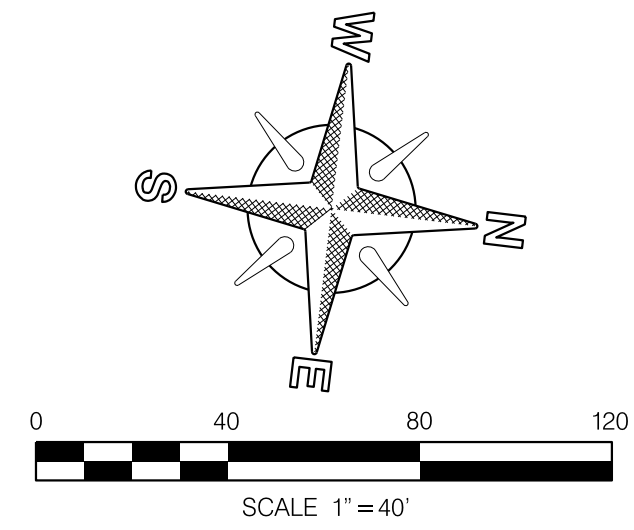
REFERENCE:

WATER: 23937-0-D, 142-0-B  
SEWER: 3948-0-B  
STORM DRAIN:  
GAS: 15652-118730  
ELECTRIC: 15645-118730  
CABLE TV:  
TELEPHONE:  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: B225  
THOMAS BROS.: 1287 4J  
HCL: 462

RETIREMENTS:

6" - AC - 220' - 1987  
6" - CI - 480' - 1948  
1" SERVICE - 2 - COPPER - 1948

ESTIMATED ARCHAEOLOGICAL MONITORING LIMITS (INCLUDES MAIN, LATERALS, AND OTHER TRENCH ACTIVITIES)		
BEGIN STATION	END STATION	APPROXIMATE LF
STA. 6+00.00	STA. 12+51.24	651.24
ACTUAL LIMITS SHALL BE DETERMINED BY THE PI/MONITOR(S) PRIOR TO CONSTRUCTION AND SHALL BE CONSISTENT WITH THE PROJECT'S MITIGATION AND MONITORING PROGRAM (MMRP).		



WATER AND STORM DRAIN GROUP 968			
KELLOG DR			
KELLOGG DR NORTH OF KELLOGG WAY			
KELLOGG DR TO SILVER GATE AVE			
CITY OF SAN DIEGO, CALIFORNIA		WATER WBS B-14099	
PUBLIC WORKS DEPARTMENT		SEWER WBS B-15028	
SHEET 05 OF 26 SHEETS			
APPROVED: <i>Nicole Marie Salem</i>	DATE: 03/12/2020	SUBMITTED BY: JAMAL SHERZAI	
FOR CITY ENGINEER: NICOLE SALEM	DATE: 3/12/20	PROJECT MANAGER	
PRINT NAME: NICOLE SALEM	DATE: 3/12/20	CHECKED BY: BOBAK MADGEDJI	
PROJECT: C88116	DATE: 3/12/20	PROJECT ENGINEER	
DESCRIPTION: ORIGINAL	BY: SA	APPROVED: <i>Nicole Marie Salem</i>	DATE: 3/12/20
ADDENDUM G	BM/SV	DATE: 7/1/20	
		198-1689	
		CCS27 COORDINATE	
		6250407-1838444	
		CCS83 COORDINATE	
		38719-5-D	

SITE 2



REVISION TO HORIZONTAL ALIGNMENT REPORT

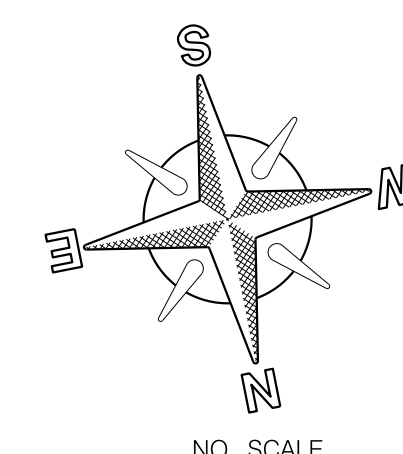
ADDENDUM G

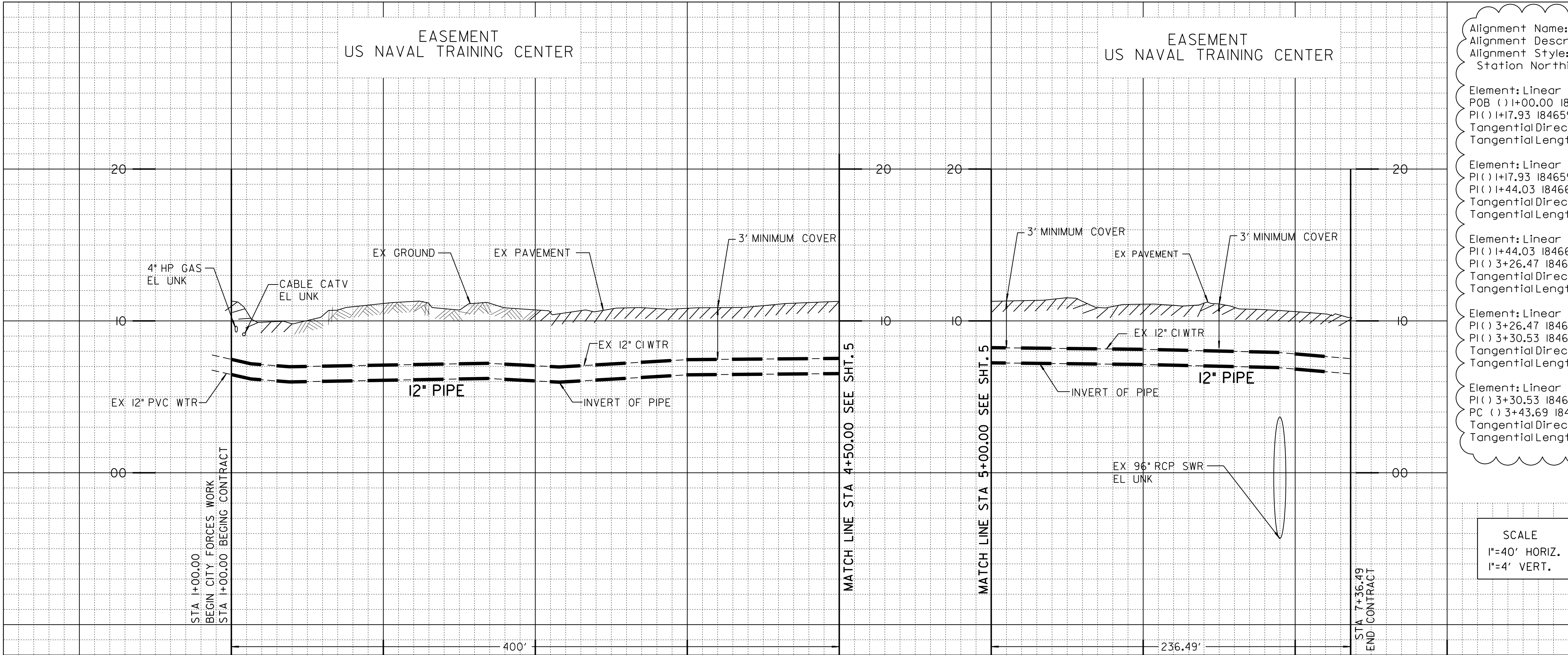
KELLOGG DR



C-3

APPROVED: 		03/12/2020		SUBMITTED BY: <b>JAMAL SHERZAI</b>	
FOR CITY ENGINEER <b>NICOLE SALEM</b>		DATE: <b>C88116</b>		PROJECT MANAGER	
PRINT NAME		RCE#		ORDERED BY: <b>BOBAK MADGEDJI</b>	
PROJECT ENGINEER		PROJECT ENGINEER		PROJECT ENGINEER	
DESCRIPTION	BY	APPROVED	DATE	FILMED	
ORIGINAL	BM/EG		3/12/20		<b>198-1689</b> CCS27 COORDINATE
					<b>625040-1838444</b> CCSB3 COORDINATE
DATE STARTED				38719-6-D	
DATE COMPLETED					





Alignment Name: 002-NORTH HARBOR DR  
Alignment Description:  
Alignment Style: Default  
Station Northing Easting

Element: Linear  
POB ( ) 1+00.00 1846576.44 6267721.07  
PI ( ) 1+17.93 1846594.18 6267718.42  
Tangential Direction: 6.13  
Tangential Length: 17.93

Element: Linear  
PI ( ) 1+17.93 1846594.18 6267718.42  
PI ( ) 1+44.03 1846619.99 6267714.56  
Tangential Direction: 6.13  
Tangential Length: 26.10

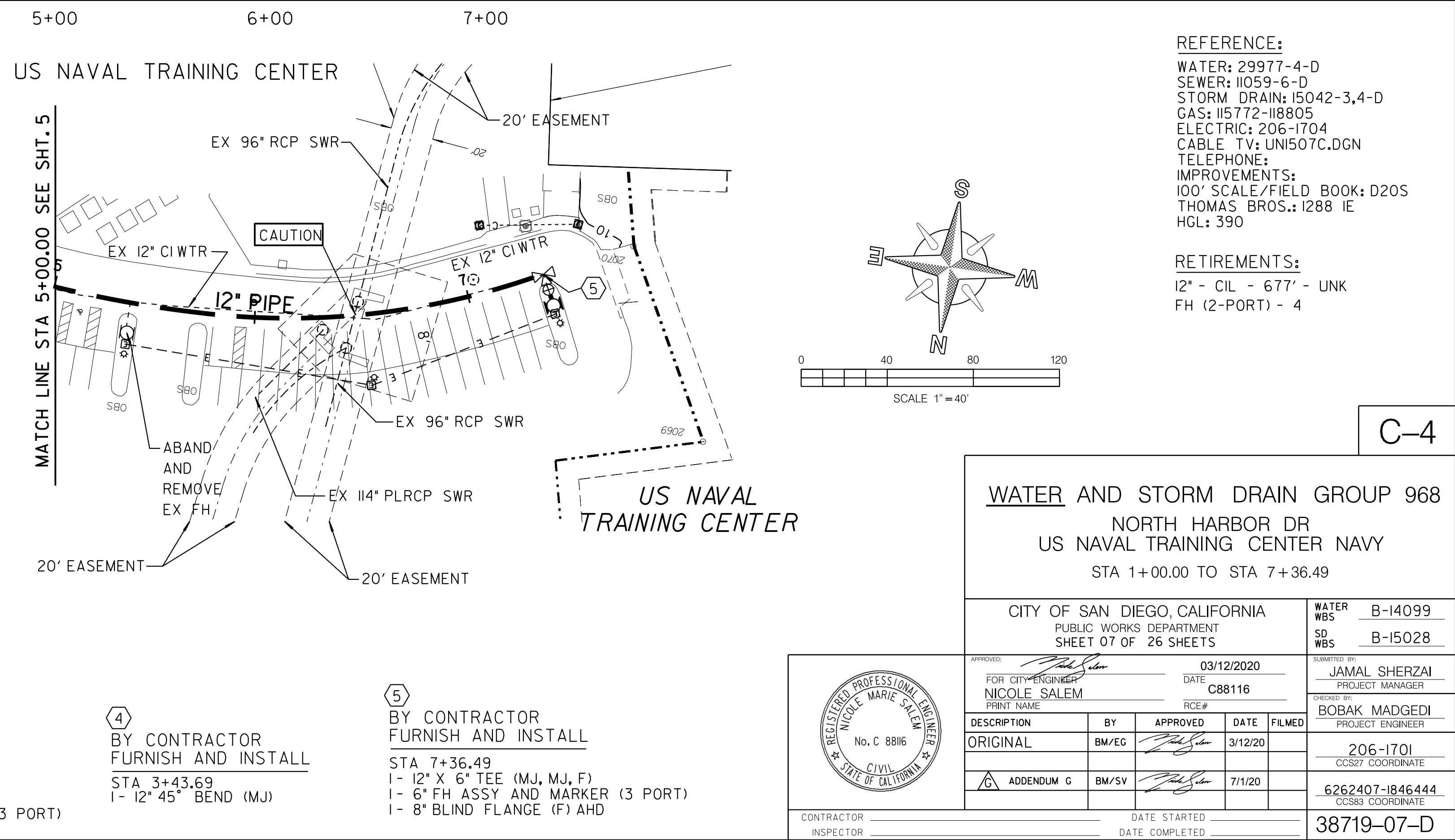
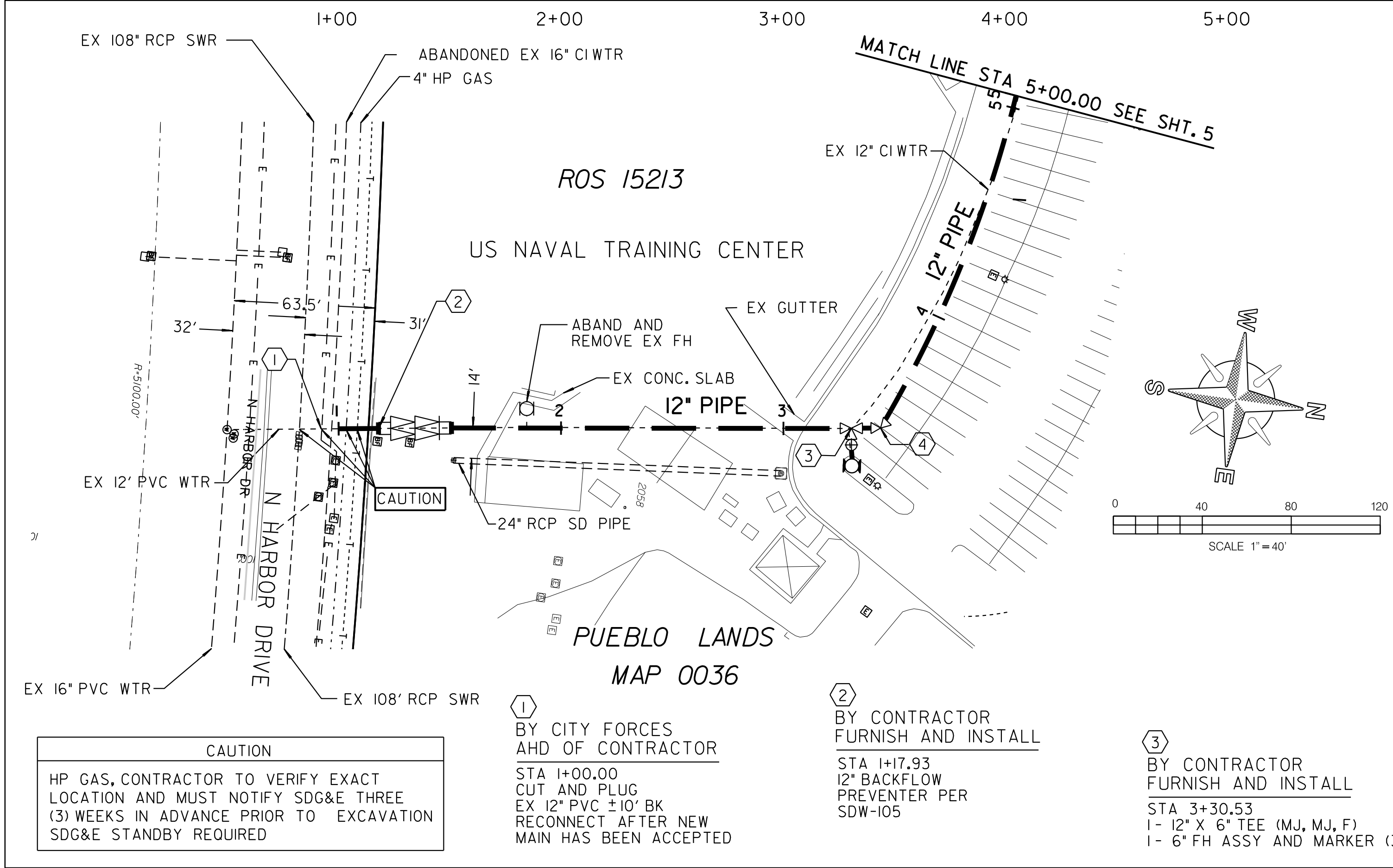
Element: Linear  
PI ( ) 1+44.03 1846619.99 6267714.56  
PI ( ) 3+26.47 1846800.68 6267689.40  
Tangential Direction: 6.14  
Tangential Length: 182.44

Element: Linear  
PI ( ) 3+26.47 1846800.68 6267689.40  
PI ( ) 3+30.53 1846804.69 6267688.72  
Tangential Direction: 6.11  
Tangential Length: 4.07

Element: Linear  
PI ( ) 3+30.53 1846804.69 6267688.72  
PC ( ) 3+43.69 1846817.71 6267686.78  
Tangential Direction: 6.14  
Tangential Length: 13.16

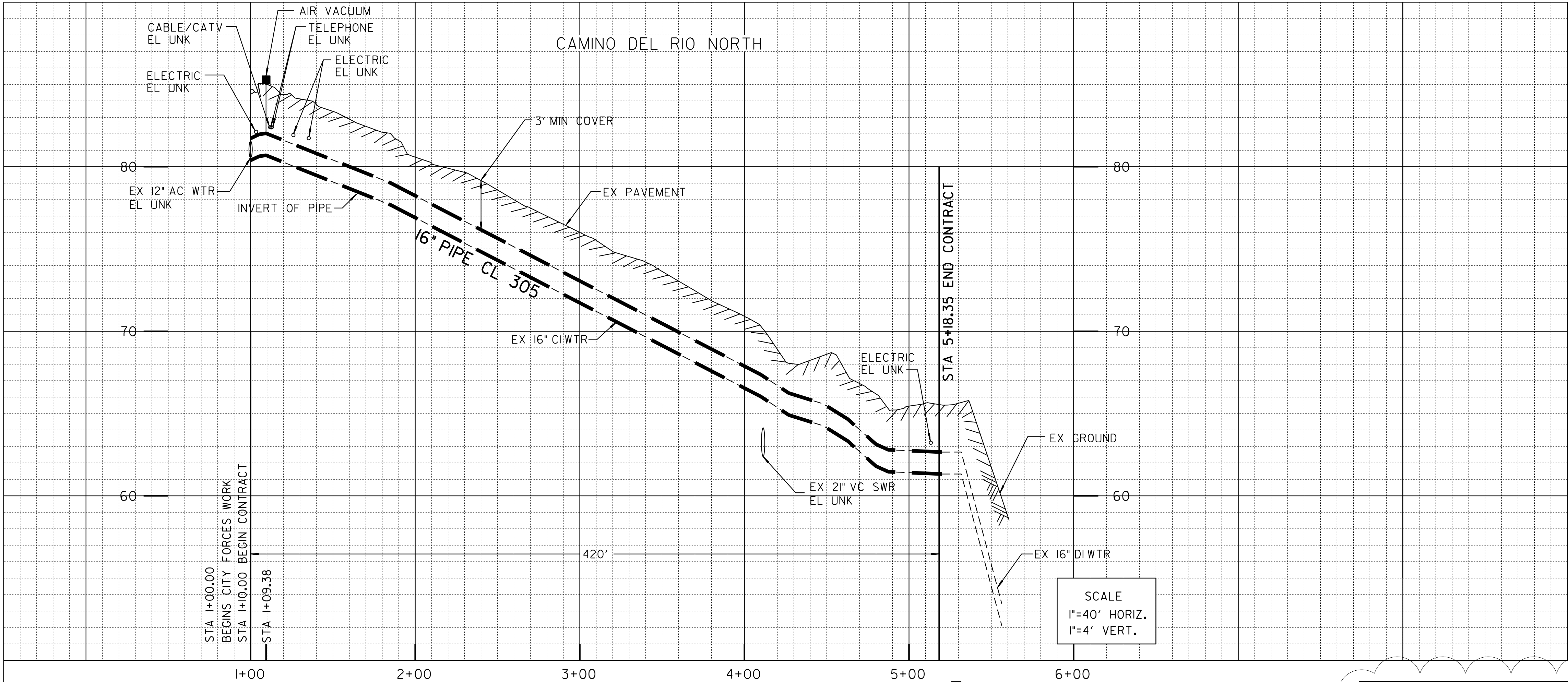
Element: Circular  
PC ( ) 3+43.69 1846817.71 6267686.78  
PI ( ) 4+61.48 1846862.99 6267578.05  
CC ( ) 1846310.35 6267475.53  
PCC ( ) 5+75.75 1846859.73 6267460.31  
Radius: 549.58  
Delta: 0.42 Left  
Degree of Curvature (Arc): 0.18  
Length: 232.06  
Tangent: 117.78  
Chord: 230.34  
Middle Ordinate: 12.20  
External: 12.48  
Tangent Direction: 5.11  
Radial Direction: 0.39  
Chord Direction: 4.90  
Radial Direction: 6.26  
Tangent Direction: 4.68

Element: Circular  
PCC ( ) 5+75.75 1846859.73 6267460.31  
PI ( ) 6+57.57 1846857.73 6267378.51  
CC ( ) 1846511.38 6267468.80  
PT ( ) 7+36.49 1846819.54 6267306.15  
Radius: 348.45  
Delta: 0.46 Left  
Degree of Curvature (Arc): 0.29  
Length: 160.73  
Tangent: 81.82  
Chord: 159.31  
Middle Ordinate: 9.23  
External: 9.48  
Tangent Direction: 4.69  
Radial Direction: 6.26  
Chord Direction: 4.46  
Radial Direction: 5.80  
Tangent Direction: 4.23









Alignment Name: 004-SHT9\_CAMINO DEL RIO N  
Alignment Description:  
Alignment Style: Default  
Station Northing Easting

Element: Linear  
POB ( ) 1+00.00 1864335.99 6295446.29  
PI ( ) 1+07.51 1864343.42 6295445.19  
Tangential Direction: 6.14  
Tangential Length: 7.51

Element: Linear  
PI ( ) 1+07.51 1864343.42 6295445.19  
PI ( ) 1+10.19 1864346.07 6295444.80  
Tangential Direction: 6.14  
Tangential Length: 2.68

Element: Linear  
PI ( ) 1+10.19 1864346.07 6295444.80  
PI ( ) 5+13.35 1864749.16 6295452.64  
Tangential Direction: 0.02  
Tangential Length: 403.16

Element: Linear  
PI ( ) 5+13.35 1864749.16 6295452.64  
POE ( ) 5+18.35 1864754.16 6295452.74  
Tangential Direction: 0.02  
Tangential Length: 5.00



①  
BY CITY FORCES  
FURNISH & INSTALL  
AND OF CONTRACTOR  
STA 1+00.00  
CUT AND PLUG  
EX 12" AC WTR ±15' LT, RT  
RECONNECT AFTER NEW MAIN  
HAS BEEN ACCEPTED

②  
BY CONTRACTOR  
FURNISH AND INSTALL  
STA 1+00.00  
1 - 16" X 16" TEE (F)  
3 - 16" BFV (F) AHD, LT, RT  
1 - 16" 11" BEND (MJ, F) AHD  
2 - 12" X 16" REDUCER (MJ, F) LT, RT

③  
BY CONTRACTOR  
FURNISH AND INSTALL  
STA 1+07.51  
1 - 1" AIR VACUUM VALVE ASSY

④  
BY CONTRACTOR  
FURNISH AND INSTALL  
STA 5+13.35  
1 - 16" BFV (MJ, MJ) AHD

⑤  
BY CITY FORCES  
AND OF CONTRACTOR  
STA 5+18.35  
CUT AND PLUG  
EX 16" DIWTR ±5' AHD  
RECONNECT AFTER NEW MAIN  
HAS BEEN ACCEPTED

THRUST/ANCHOR TABLE FOR 16" AND LARGER WATER MAINS

SHEET NO.	PIPE STATIONING	TYPE OF BLOCK	TYPE OF APPURTENANCE	DESIGN PRESSURE	TOTAL THRUST (lb)	ASSUMED SOIL CAPACITY	MINIMUM BEARING AREA (sq. ft.), SEE NOTE 3 BELOW OR VOLUME OF BLOCK (cu. ft.)
9	1+00	THRUST	16" x 16" TEE	305 LB/SQ. IN.	72525	1500 LB/SQ. FT.	73 SQ. FT.

• THE SPECIFIC WEIGHT OF CONCRETE IS 140LB/CU.FT. SAFETY FACTOR = 1.5

NOTES:

- FOR ADDITIONAL THRUST BLOCK, ANCHOR BLOCKS DETAILS AND NOTES SEE SDW-151.
- REFER TO SPECIFICATIONS SECTION 306-1.2.14 FOR ADDITIONAL REQUIREMENTS.
- FOR ESTIMATING THE CY QUANTITY FOR THRUST BLOCKS, THE DEPTH OF THE THRUST BLOCKS SHALL BE HALF OF THE TRENCH WIDTH PLUS 12" EMBEDMENT.

REFERENCE:

WATER: 13135-II-D, 14812-10-L, 18010-I-D  
SEWER: 1069-0-D  
STORM DRAIN: 12518-D  
GAS: 16042-II8985  
ELECTRIC: 16042-II8985  
CABLE TV: SE010C.DGN  
TELEPHONE:  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: 1269 IF  
THOMAS BROS.: 116S  
HGL: 390

RETIREMENTS:

12" - UNK - 450' - 1966  
MH - 4X3 - 0 - 1900  
FH (2-PORT) - 1  
16" VALVE - 1 - 1966  
1" SERVICE - 0 - MATERIAL - 1900

C-6

WATER AND STORM DRAIN GROUP 968  
CAMINO DEL RIO NORTH  
NORTH OF CAMINO DEL RIO  
FROM STA 1+00.00 TO STA 5+18.35

CITY OF SAN DIEGO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
SHEET 09 OF 26 SHEETS

WATER  
WBS B-14099  
SD B-15028

APPROVED:   
FOR CITY ENGINEER  
NICOLE SALEM  
DATE 03/12/2020  
PROJECT NAME  
RCE# C88116

SUBMITTED BY  
JAMAL SHERZAI  
PROJECT MANAGER  
CHECKED BY  
BOBAK MADGEDJI  
PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	BM/EG		3/12/20	

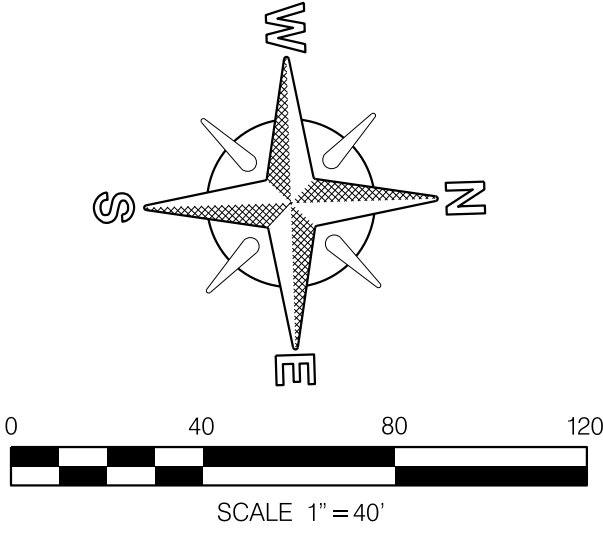
222-1731
CCS27 COORDINATE

ADDENDUM G	BM/SV		7/1/20	
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6292407-1862444
CCS83 COORDINATE



CONTRACTOR INSPECTOR DATE STARTED DATE COMPLETED



SITE 6

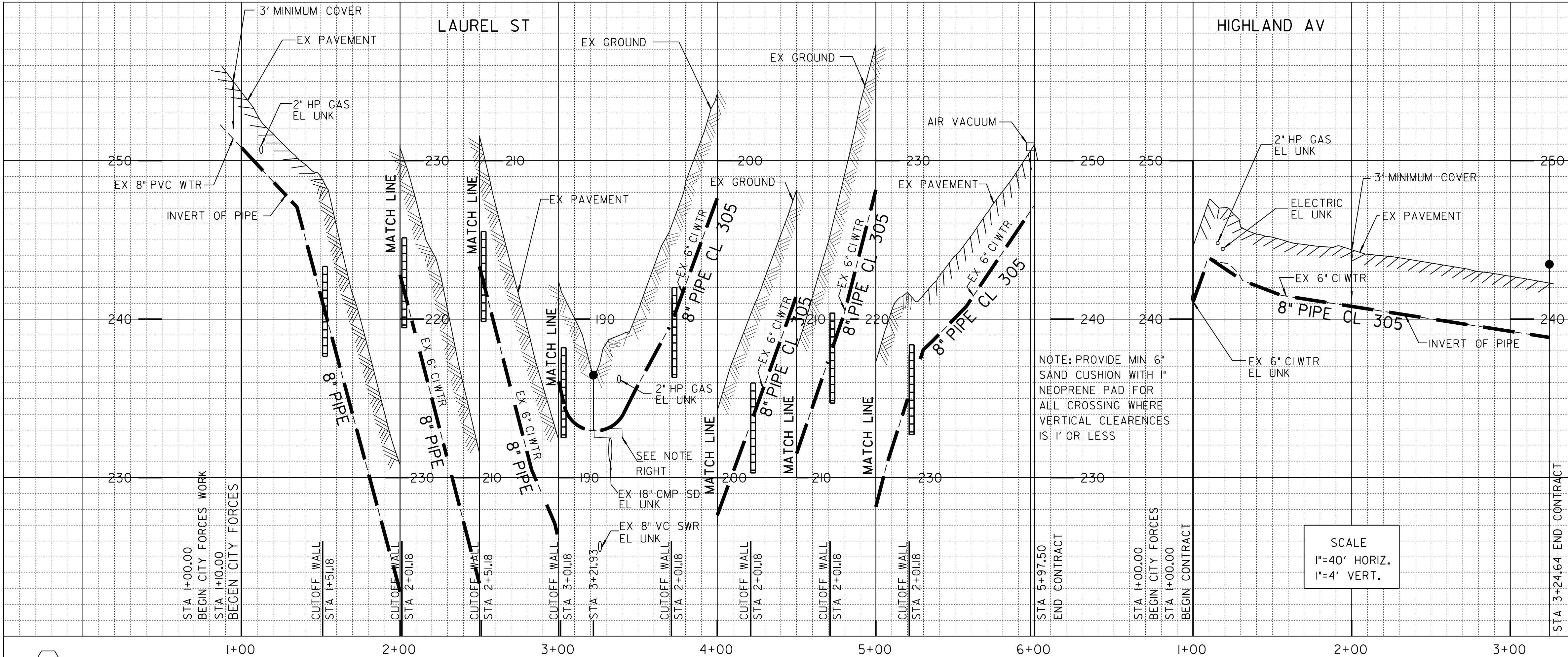
REVISION TO HORIZONTAL ALIGNMENT REPORT, ADDITION OF THRUST TABLE

ADDENDUM G

CAMINO DEL RIO NORTH







Alignment Name: 006-SHTII-LAUREL  
Alignment Description:  
Alignment Style: Default  
Station Northing Easting

Element: Linear  
POB ( ) 1+00.00 1846963.98 6300651.70  
PI ( ) 1+34.80 1846963.90 6300686.50  
Tangential Direction: 1.57  
Tangential Length: 34.80

Element: Linear  
PI ( ) 1+34.80 1846963.90 6300686.50  
PI ( ) 1+65.94 1846963.82 6300717.65  
Tangential Direction: 1.57  
Tangential Length: 31.14

Element: Linear  
PI ( ) 1+65.94 1846963.82 6300717.65  
PI ( ) 3+21.93 1846963.44 6300873.63  
Tangential Direction: 1.57  
Tangential Length: 155.99

Element: Linear  
PI ( ) 3+21.93 1846963.44 6300873.63  
PI ( ) 3+51.19 1846963.38 6300902.89  
Tangential Direction: 1.57  
Tangential Length: 29.25

Element: Linear  
PI ( ) 3+51.19 1846963.38 6300902.89  
PI ( ) 5+74.42 1847186.61 6300905.35  
Tangential Direction: 0.01  
Tangential Length: 223.24

Element: Linear  
PI ( ) 5+74.42 1847186.61 6300905.35  
POE ( ) 5+97.50 1847209.68 6300905.60  
Tangential Direction: 0.01  
Tangential Length: 23.08

Alignment Name: 007-SHTII-LAUREL  
Alignment Description:  
Alignment Style: Default  
Station Northing Easting

Element: Linear  
POB ( ) 1+00.00 1846963.90 6300686.50  
PI ( ) 1+14.33 1846949.57 6300686.45  
Tangential Direction: 3.15  
Tangential Length: 14.33

Element: Linear  
PI ( ) 1+14.33 1846949.57 6300686.45  
PI ( ) 1+53.20 1846920.42 6300712.16  
Tangential Direction: 2.42  
Tangential Length: 38.87

Element: Linear  
PI ( ) 1+53.20 1846920.42 6300712.16  
POE ( ) 3+24.64 1846749.01 6300709.23  
Tangential Direction: 3.16  
Tangential Length: 171.44

1  
BY CITY FORCES  
AND OF CONTRACTOR

STA 1+00.00  
CUT AND PLUG EX 8" PVC  
RECONNECT AFTER THE NEW  
MAIN HAS BEEN ACCEPTED

2  
BY CONTRACTOR  
FURNISH AND INSTALL

STA 1+34.80 = 1+00.00 AT HIGHLAND AV  
1- 8" x 8" TEE (F, MJ, F)  
2 - 8" GV (F, MJ) AHD, RT  
1- 45' 8" BEND (F, MJ) RT

3  
BY CITY FORCES  
AND OF CONTRACTOR

STA 1+65.94  
PERMANENT CUT AND PLUG  
EX 6" AC WTR, 3' RT

4  
BY CONTRACTOR  
FURNISH AND INSTALL

STA 3+21.93  
1- 2" BLOW OFF ASSY AHD

5  
BY CONTRACTOR  
FURNISH AND INSTALL

STA 3+51.19  
1- 8" 90° BEND (MJ, F)  
1- 8" GV (F, MJ) BK

6  
BY CITY FORCES  
AND OF CONTRACTOR

STA 5+74.42  
CUT AND PLUG EX 8" PVC  
RECONNECT AFTER NEW MAIN  
HAS BEEN ACCEPTED

7  
BY CONTRACTOR  
FURNISH AND INSTALL

STA 1+53.20  
1- 8" 90° BEND (MJ, MJ)

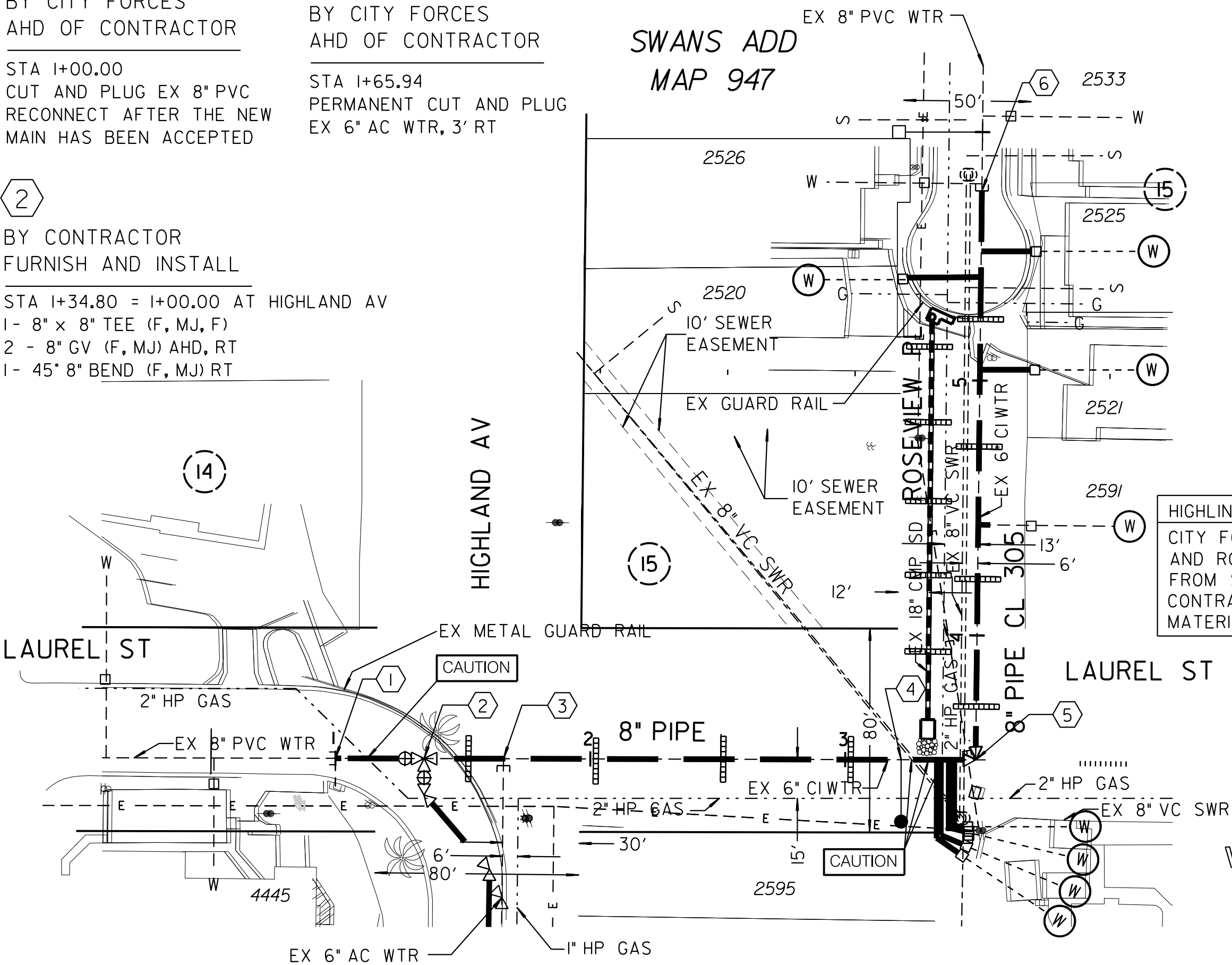
8  
BY CONTRACTOR  
FURNISH AND INSTALL

STA 3+31.34  
1- 2" BO  
1- 8" END CAP

REFERENCE:  
WATER: 2184-0-D, 35234-39,40-D  
SEWER: 2184-0-D, 6931-B  
STORM DRAIN: 6055-D  
GAS: 16102-118815  
ELECTRIC: 16102-118810  
CABLE TV: MS0308AA.DGN,  
MS0308AC.DGN  
TELEPHONE:  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: J20S  
THOMAS BROS.: 1289 1J  
HGL: 536

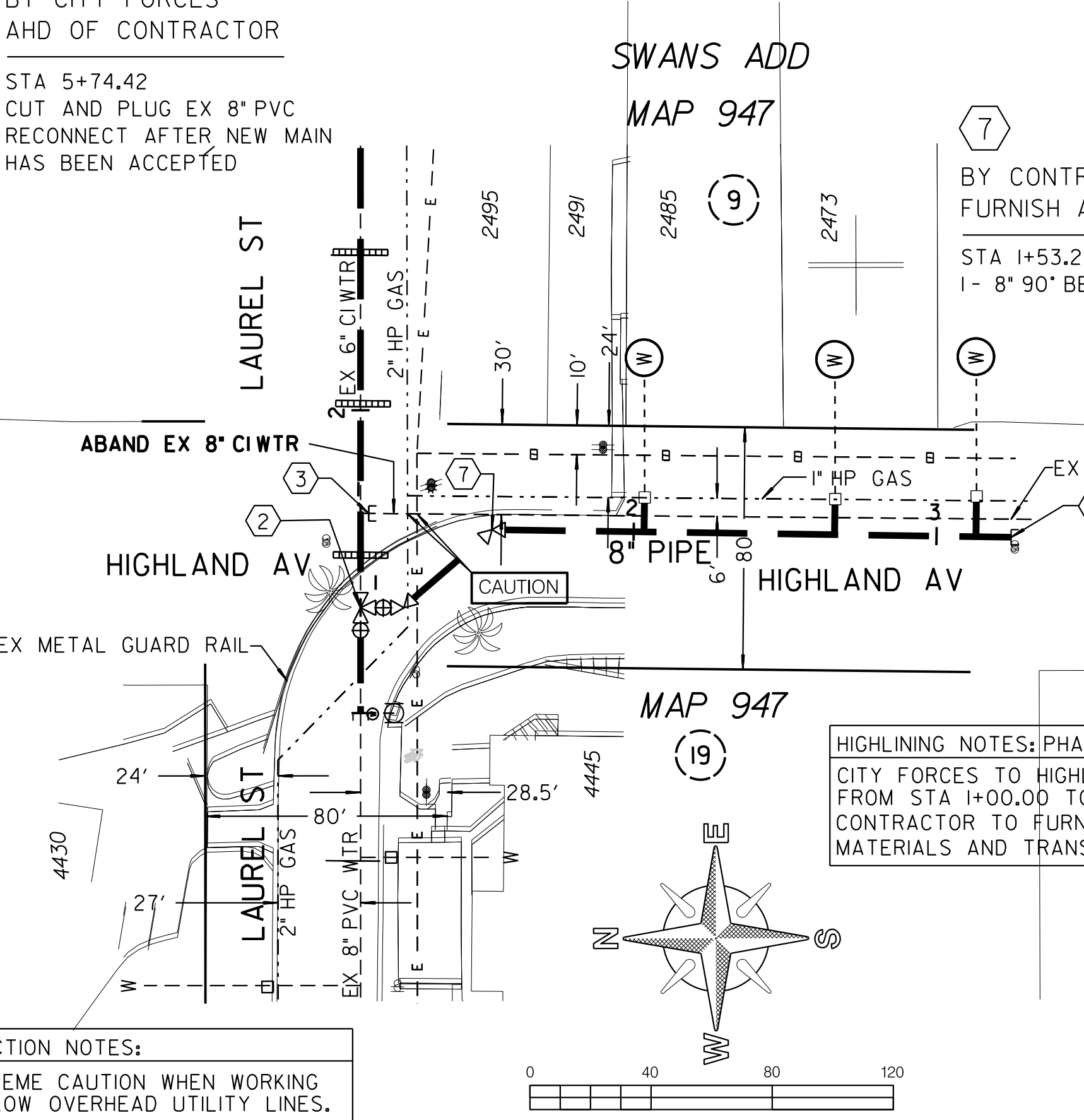
RETIREMENTS:  
6" - CI - 497.50' - 1954  
6" - CI - 170' - 1960  
1" SERVICE - 4 - COPPER - 1954  
1" SERVICE - 2 - COPPER - 1960

C-8




HIGHLINING NOTES: PHASE 4  
CITY FORCES TO HIGHLINE LAUREL ST  
AND ROSEVIEW PL  
FROM STA 1+00.00 TO STA 6+10.00  
CONTRACTOR TO FURNISH HIGHLINING  
MATERIALS AND TRANSFER SERVICE

CONSTRUCTION NOTES:  
USE EXTREME CAUTION WHEN WORKING  
DUE TO LOW OVERHEAD UTILITY LINES.



HIGHLINING NOTES: PHASE 4  
CITY FORCES TO HIGHLINE HIGHLAND AV  
FROM STA 1+00.00 TO STA 2+70.00  
CONTRACTOR TO FURNISH HIGHLINING  
MATERIALS AND TRANSFER SERVICE

WATER AND STORM DRAIN GROUP 968			
LAUREL ST			
HIGHLAND AV TO ROSEVIEW PL			
HIGHLAND AV			
STA 1+00.00 TO 2+70.00			
CITY OF SAN DIEGO, CALIFORNIA		WATER	B-14099
PUBLIC WORKS DEPARTMENT		SD	B-15028
APPROVED: 		DATE	03/12/2020
FOR CITY ENGINEER		DATE	3/12/20
NICOLE MARIE SALEM		PROJECT NAME	C88116
PRINT NAME		PROJECT MANAGER	JAMAL SHERZAI
DESCRIPTION		PROJECT ENGINEER	BOBAK MADGEDJI
ORIGINAL	BM/EG	DATE	7/1/20
ADDENDUM G	BM/SV	DATE	7/1/20
CONTRACTOR		DATE STARTED	6298407-1846444
INSPECTOR		DATE COMPLETED	CCS83 COORDINATE
			38719-11-D

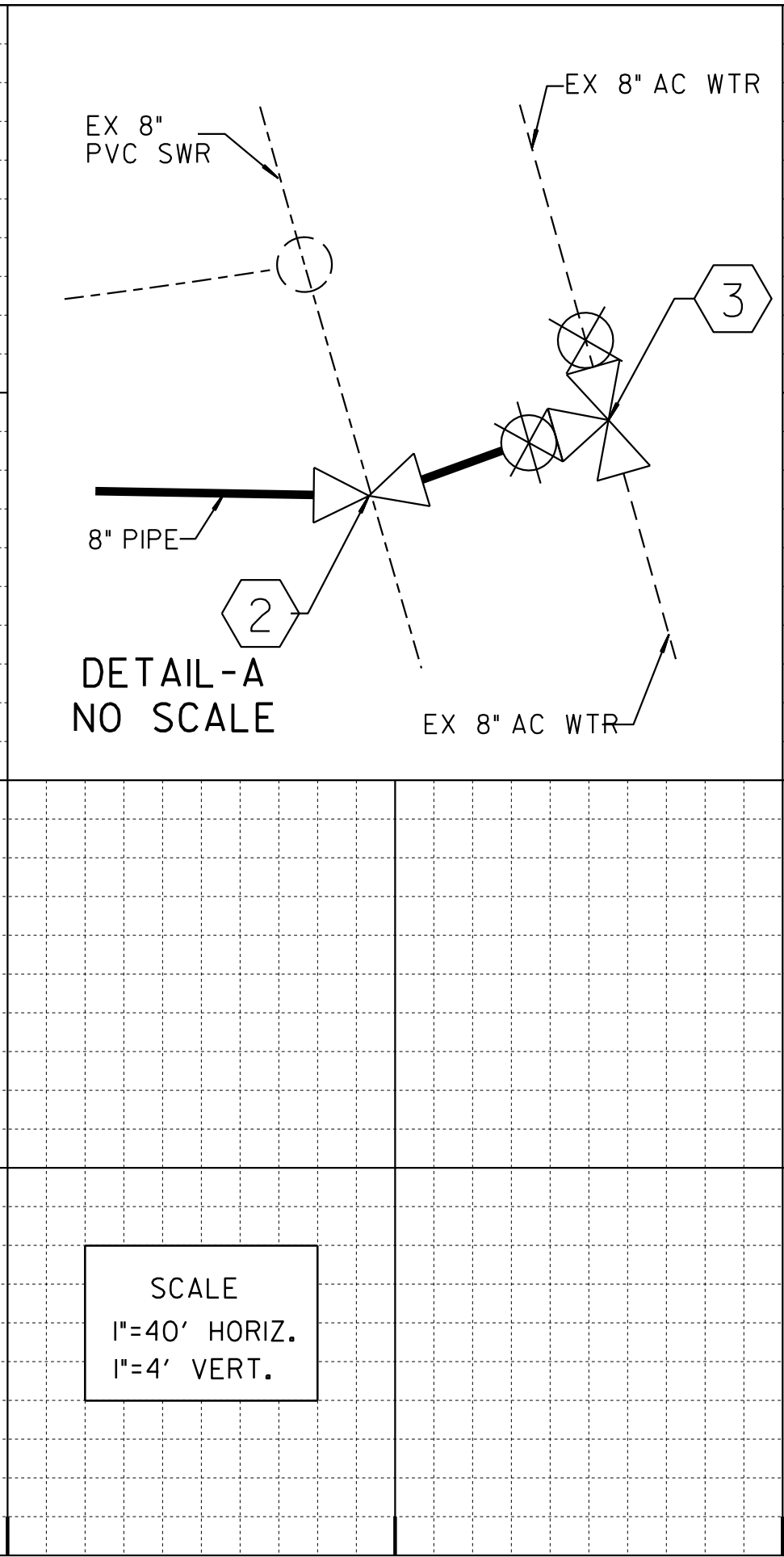
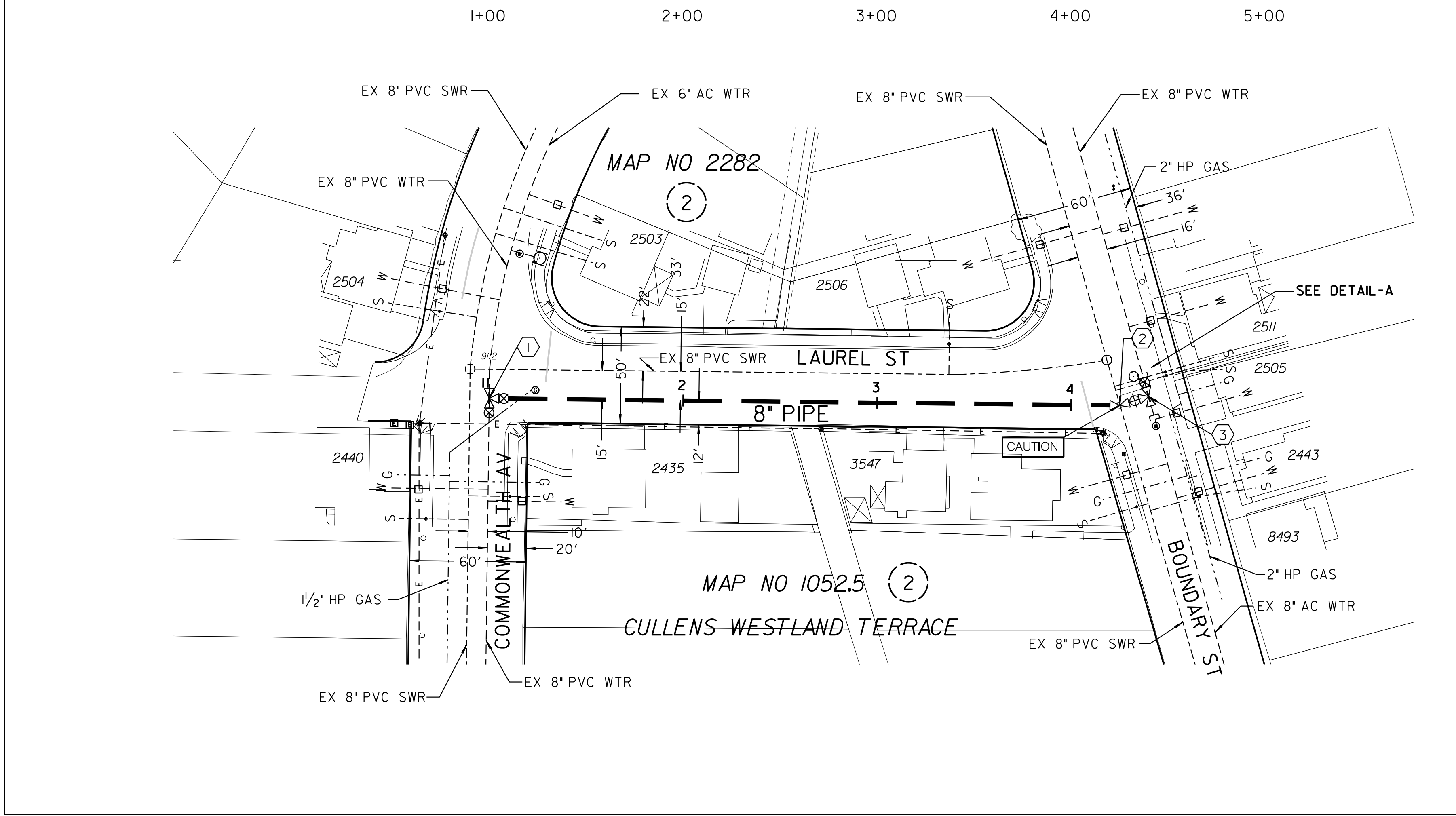
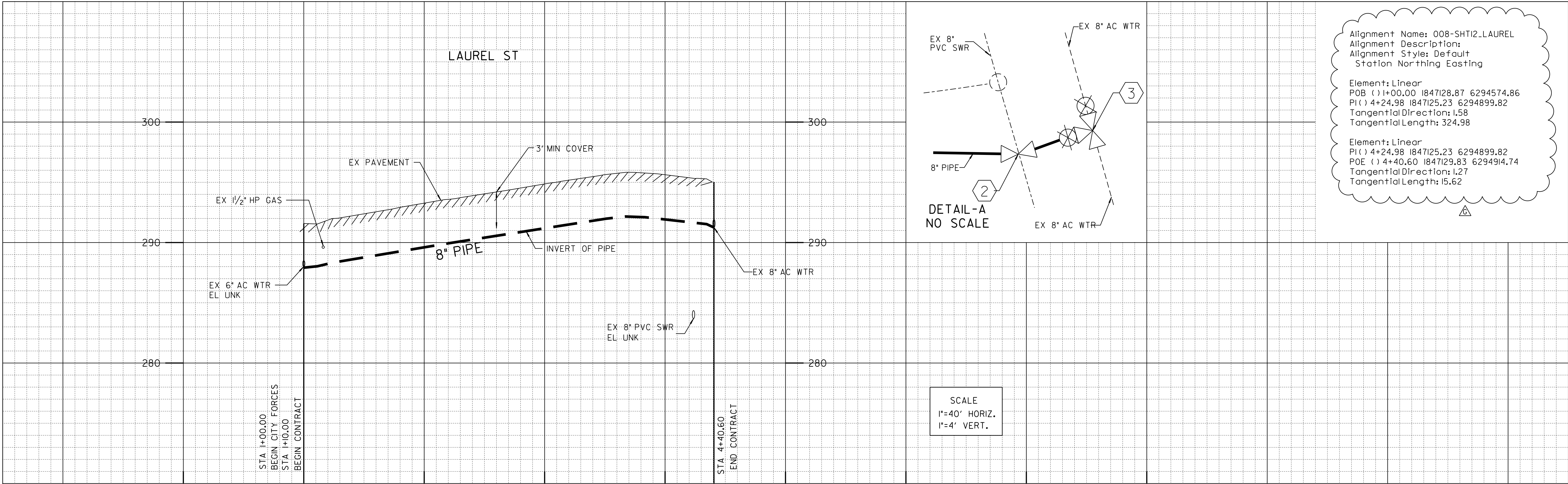
SITE 8

REVISION TO HORIZONTAL ALIGNMENT REPORT

ADDENDUM G

LAUREL ST - HIGHLAND AV





Alignment Name: 008-SHT12-LAUREL  
Alignment Description:  
Alignment Style: Default  
Station Northing Easting

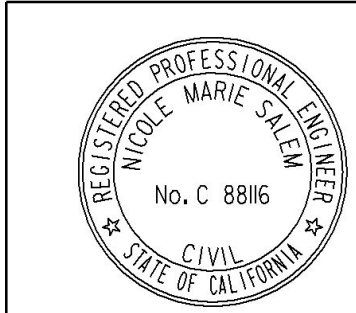
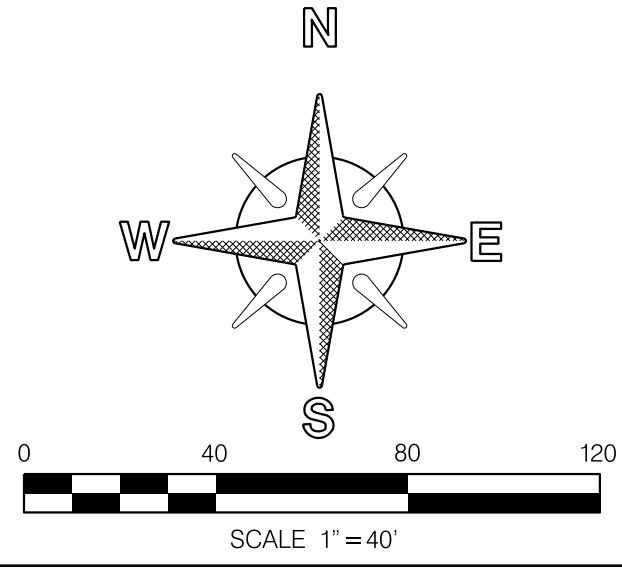
Element: Linear  
POB ( ) 1+00.00 1847128.87 6294574.86  
PI ( ) 4+24.98 1847125.23 6294899.82  
Tangential Direction: 1.58  
Tangential Length: 324.98

Element: Linear  
PI ( ) 4+24.98 1847125.23 6294899.82  
POE ( ) 4+40.60 1847129.83 6294914.74  
Tangential Direction: 1.27  
Tangential Length: 15.62

- ①  
BY CITY FORCES  
AHD OF CONTRACTOR  
STA 1+00.00  
CUT IN TEE  
1 - 8" TEE (F, MJ, F)  
2 - 8" GV (F, MJ) AHD, RT  
  
KEEP VALVE AHD CLOSED  
OPEN AFTER NEW MAIN IS ACCEPTED
- ②  
BY CONTRACTOR  
FURNISH & INSTALL  
STA 4+24.98  
1 - 22 1/2" BEND (MJ)
- ③  
BY CITY FORCES  
AHD OF CONTRACTOR  
STA 4+40.60  
CUT IN TEE  
1 - 8" TEE (F, F, MJ)  
2 - 8" GV (F, MJ) BK, LT  
  
KEEP VALVE BK CLOSED  
OPEN AFTER NEW MAIN IS ACCEPTED

CONSTRUCTION NOTES:  
USE EXTREME CAUTION WHEN WORKING  
DUE TO LOW OVERHEAD UTILITY LINES.

REFERENCE:  
WATER: 19217-5-D, 31688-28-D  
SEWER: 28431-14-D  
STORM DRAIN: NONE  
GAS: 16042-118815  
ELECTRIC: 16035-118815  
CABLE TV: SE0109AA.DGN  
TELEPHONE:  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: 120S  
THOMAS BROS.: 1288 IF  
HGL: 536



WATER AND STORM DRAIN GROUP 968			
LAUREL ST			
COMMONWEALTH AV TO BOUNDARY ST			
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT		WATER WBS SD WBS	B-14099 B-15028
APPROVED: <i>Nicole Marie Salem</i> FOR CITY ENGINEER NICOLE MARIE SALEM PRINT NAME	DATE 03/12/2020 C88116 RCE#	SUBMITTED BY JAMAL SHERZAI PROJECT MANAGER	CHECKED BY BOBAK MADGEDJI PROJECT ENGINEER
DESCRIPTION ORIGINAL	BY BM/EG	APPROVED <i>Nicole Marie Salem</i>	DATE 3/12/20
ADDENDUM G	BM/SV	<i>Nicole Marie Salem</i>	7/1/20
CONTRACTOR INSPECTOR		DATE STARTED DATE COMPLETED	
		6292407-1846444 CCS83 COORDINATE	
		38719-12-D	

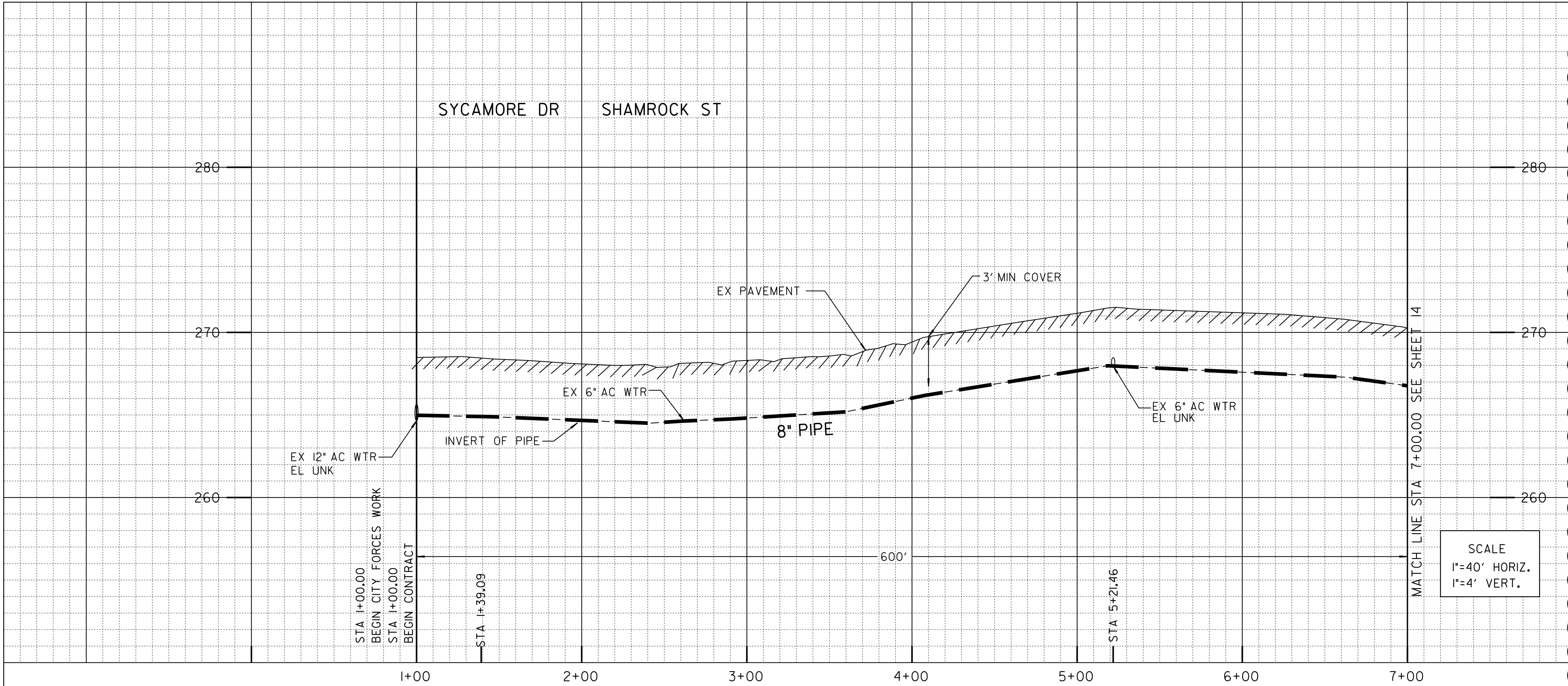
SITE 9A

REVISION TO HORIZONTAL ALIGNMENT REPORT

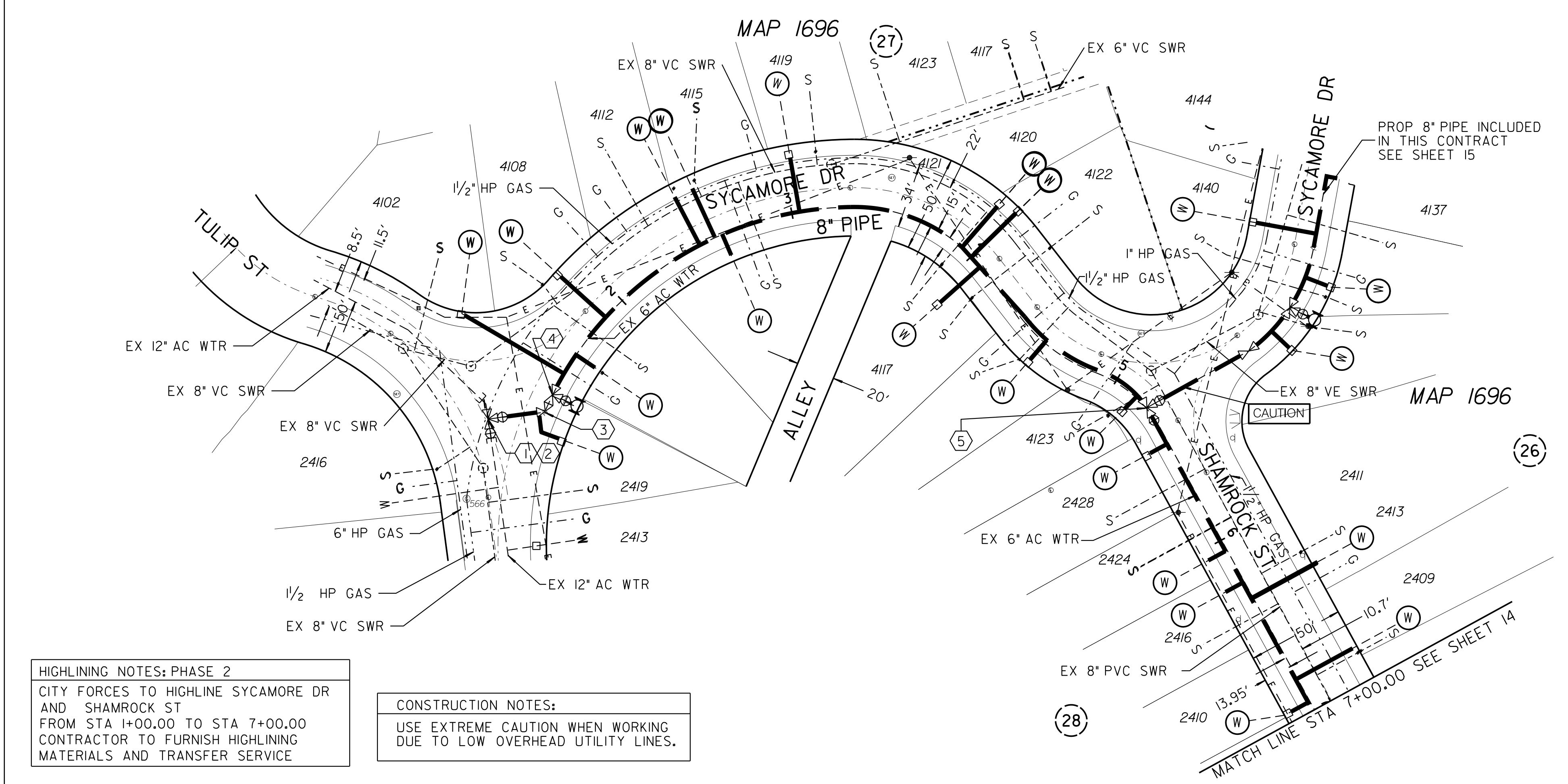
ADDENDUM G

LAUREL ST

C-9



Alignment Name: 009-SHT13-14_SYCAMORE	Element: Linear
Alignment Description:	PT ( ) 3+93.09 1846939.25 6298200.05
Alignment Style: Default	PC ( ) 4+41.59 1846903.23 6298232.53
Station Northing Easting	Tangential Direction: 2.41
	Tangential Length: 48.50
Element: Linear	Element: Circular
POB ( ) 1+00.00 1846850.38 6297955.20	PC ( ) 4+41.59 1846903.23 6298232.53
PI ( ) 1+29.76 1846854.36 6297984.70	PI ( ) 4+65.81 1846884.10 6298247.39
Tangential Direction: 1.44	CC ( ) 1846955.37 6298299.65
Tangential Length: 29.76	PRC ( ) 4+88.78 1846875.68 6298270.10
Element: Linear	Radius: 85.00
PI ( ) 1+29.76 1846854.36 6297984.70	Delta: 0.56 Left
PC ( ) 1+39.09 1846862.90 6297988.46	Degree of Curvature (Arc): 1.18
Tangential Direction: 0.41	Length: 47.19
Tangential Length: 9.33	Tangent: 24.22
Element: Circular	Chord: 46.58
PC ( ) 1+39.09 1846862.90 6297988.46	Middle Ordinate: 3.25
PI ( ) 2+45.64 1846958.23 6298036.04	External: 3.38
CC ( ) 1846784.55 6298145.43	Tangent Direction: 2.48
PCC ( ) 3+30.59 1846959.97 6298142.57	Radial Direction: 4.05
Radius: 175.44	Chord Direction: 2.20
Delta: 1.09 Right	Radial Direction: 3.50
Degree of Curvature (Arc): 0.57	Tangent Direction: 1.93
Length: 191.50	Element: Circular
Tangent: 106.54	PRC ( ) 4+88.78 1846875.68 6298270.10
Chord: 182.13	PI ( ) 5+05.72 1846870.29 6298286.16
Middle Ordinate: 25.49	CC ( ) 1846828.22 6298254.18
External: 29.82	PT ( ) 5+21.46 1846856.25 6298295.65
Tangent Direction: 0.46	Radius: 50.06
Radial Direction: 2.03	Delta: 0.65 Right
Chord Direction: 1.01	Degree of Curvature (Arc): 2.00
Radial Direction: 3.13	Length: 32.68
Tangent Direction: 1.55	Tangent: 16.95
Element: Circular	Chord: 32.10
PCC ( ) 3+30.59 1846959.97 6298142.57	Middle Ordinate: 2.64
PI ( ) 3+63.32 1846960.66 6298175.29	External: 2.79
CC ( ) 1846874.89 6298144.37	Tangent Direction: 1.89
PT ( ) 3+93.09 1846939.25 6298200.05	Radial Direction: 3.47
Radius: 85.10	Chord Direction: 2.22
Delta: 0.73 Right	Radial Direction: 4.12
Degree of Curvature (Arc): 1.18	Tangent Direction: 2.55
Length: 62.50	Element: Linear
Tangent: 32.73	PT ( ) 5+21.46 1846856.25 6298295.65
Chord: 61.10	PI ( ) 7+30.93 1846672.46 6298396.15
Middle Ordinate: 5.67	Tangential Direction: 2.64
External: 6.08	Tangential Length: 209.47
Tangent Direction: 1.55	
Radial Direction: 3.12	
Chord Direction: 1.92	
Radial Direction: 3.85	
Tangent Direction: 2.28	



1

BY CITY FORCES  
AHD OF CONTRACTOR

STA 1+00.00  
CUT AND PLUG  
EX 12" AC WTR ±10' LT, RT  
RECONNECT AFTER THE NEW  
MAIN HAS BEEN ACCEPTED

2

BY CONTRACTOR  
FURNISH AND INSTALL

STA 1+00.00  
1- 12" X 8" TEE (F, F, MJ)  
1- 8" GV (F, MJ) AHD  
1- 12" GV (F, MJ) RT

3

BY CONTRACTOR  
FURNISH AND INSTALL

STA 1+29.76  
1- 8" 45° BEND (F, MJ)

4

BY CONTRACTOR  
FURNISH AND INSTALL

STA 1+39.09  
1- 8" X 6" TEE (MJ, MJ, F)  
1- 6" FH ASSY AND MARKER

5

BY CONTRACTOR  
FURNISH AND INSTALL

STA 5+21.46  
1- 8" X 8" TEE (F, MJ, F)  
2- 8" GV (F, MJ) LT, AHD

REFERENCE:

WATER: I2274-5-D, 5227-B,  
I206-L  
SEWER: I620-L, I7814-D  
STORM DRAIN: I7814-D  
GAS: AS BUILT I2274-5-D  
ELECTRIC: I6072-I18810  
CABLE TV: NONE  
TELEPHONE: NONE  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: I20S  
THOMAS BROS.: I269 7H  
HGL: 536

RETIREMENTS:

6" - AC - 600' - 1967  
FH (2-PORT) - 1  
1" SERVICE - 16 - COPPER - 1967

C-10

WATER AND STORM DRAIN GROUP 968

SYCAMORE DR SHAMROCK ST

TULIP ST TO SYCAMORE DR

CITY OF SAN DIEGO, CALIFORNIA

PUBLIC WORKS DEPARTMENT

SHEET 13 OF 26 SHEETS

WATER  
WBS

B-14099

SD  
WBS

B-15028

APPROVED:

FOR CITY ENGINEER

DATE

03/12/2020

PRINT NAME

NICOLE MARIE SALEM

RCE#

C88116

CHECKED BY:

BOBAK MADGEDJI

PROJECT ENGINEER

DESCRIPTION

BY

APPROVED

DATE

FILMED

ORIGINAL

BM/EG

3/12/20

ADDENDUM G

BM/SV

7/1/20

6298407-1846444

CCS83 COORDINATE

38719-13-D

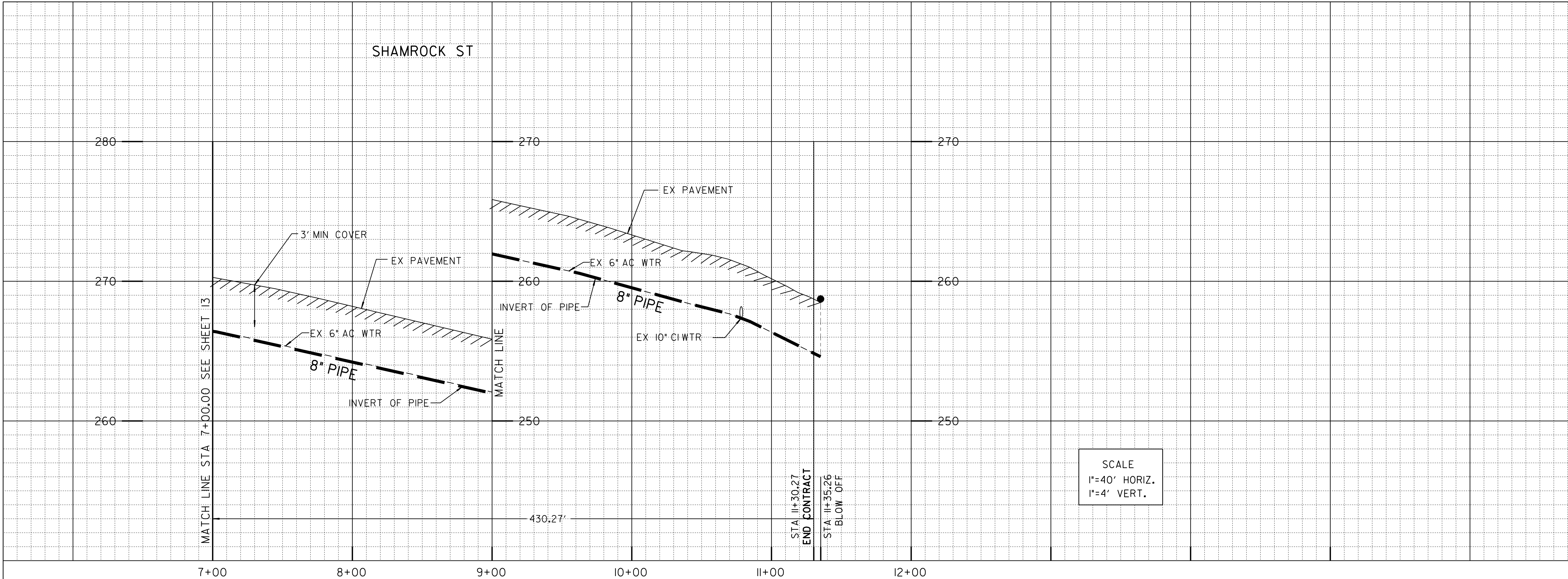
CONTRACTOR

INSPECTOR

DATE STARTED

DATE COMPLETED



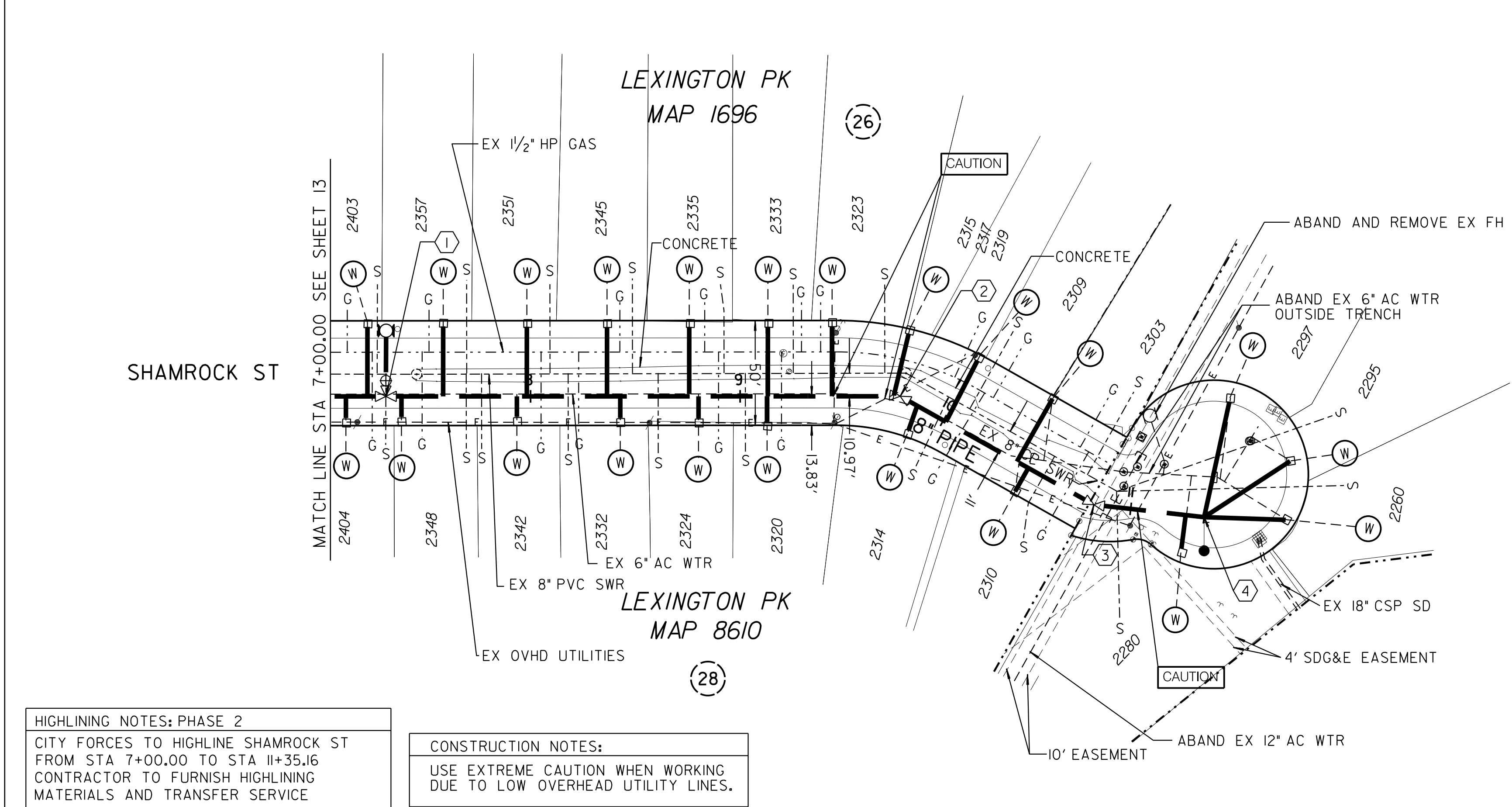


Element: Linear  
PT ( ) 5+21.46 1846856.25 6298295.65  
PI ( ) 7+30.93 1846672.46 6298396.15  
Tangential Direction: 2.64  
Tangential Length: 209.47

Element: Linear  
PI ( ) 9+76.40 1846457.07 6298513.90  
PI ( ) 10+82.30 1846351.18 6298512.80  
Tangential Direction: 2.64  
Tangential Length: 245.47

Element: Linear  
PI ( ) 9+76.40 1846457.07 6298513.90  
PI ( ) 10+82.30 1846351.18 6298512.80  
Tangential Direction: 3.15  
Tangential Length: 105.90

Element: Linear  
PI ( ) 10+82.30 1846351.18 6298512.80  
POE ( ) 11+35.26 1846302.15 6298532.82  
Tangential Direction: 2.75  
Tangential Length: 52.96



1  
BY CONTRACTOR  
FURNISH AND INSTALL  
STA 7+30.93  
1- 8" X 6" TEE (MJ, MJ, F)  
1- 6" FH ASSY AND MARKER

3  
BY CONTRACTOR  
FURNISH AND INSTALL  
STA 10+82.30  
1- 8" 22 1/2" BEND (MJ, MJ)

2  
BY CONTRACTOR  
FURNISH AND INSTALL  
STA 9+76.40  
1- 8" 22 1/2" BEND (MJ, MJ)


4  
BY CONTRACTOR  
FURNISH AND INSTALL  
STA 11+35.26  
1- MULTISERVICE ASSY  
1- 2" BLOW OFF ASSY

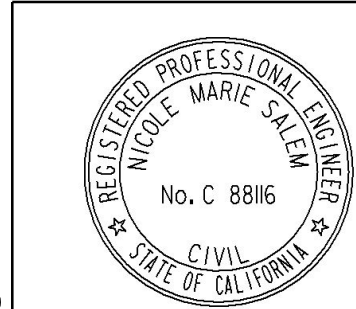
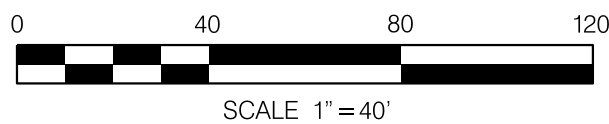
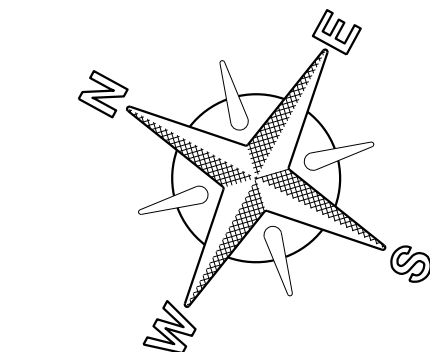
REFERENCE:  
WATER: 11206-L, 12274-5-D  
SEWER: 39142-D, 17814-D  
STORM DRAIN: 17814-D  
GAS: AS BUILT 17814-I-D  
ELECTRIC: 16072-118810  
CABLE TV: SE0209BD.DGN  
TELEPHONE:  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: 120S, J20S, J21S  
THOMAS BROS.: 1289 1H  
HGL: 536

RETIREMENTS:  
6" - AC - 435.16' - 1955  
FH (2-PORT) - 1  
1" SERVICE - 22 - COPPER - 1955

C-11

WATER AND STORM DRAIN GROUP 968  
SHAMROCK ST  
SOUTH EAST OF SYCAMORE DR  
STA 7+00.00 TO STA 11+35.26

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 14 OF 26 SHEETS				WATER WBS B-14099 SD B-15028	
APPROVED:  FOR CITY ENGINEER NICOLE SALEM PRINT NAME		DATE 03/12/2020 C88116 RCE#		SUBMITTED BY JAMAL SHERZAI PROJECT MANAGER	
DESCRIPTION ORIGINAL		BY BM/EG		DATE 3/12/20	
ADDENDUM G		BY BM/SV		DATE 7/1/20	
				CHECKED BY BOBAK MADGEDJI PROJECT ENGINEER	
				202-1731 CCS27 COORDINATE	
				6292407-1842444 CCS83 COORDINATE	
				38719-14-D	



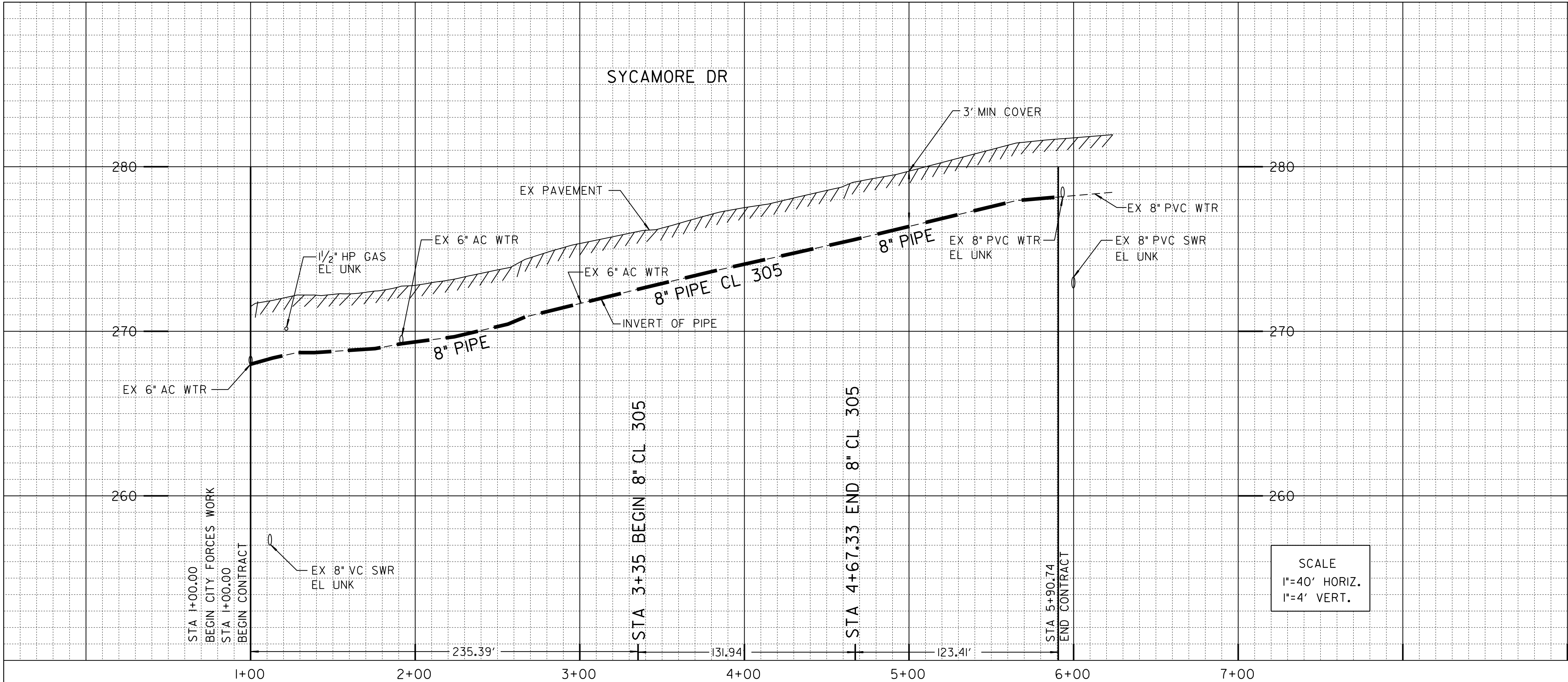
CONTRACTOR  
INSPECTOR  
DATE STARTED  
DATE COMPLETED

SITE 9C

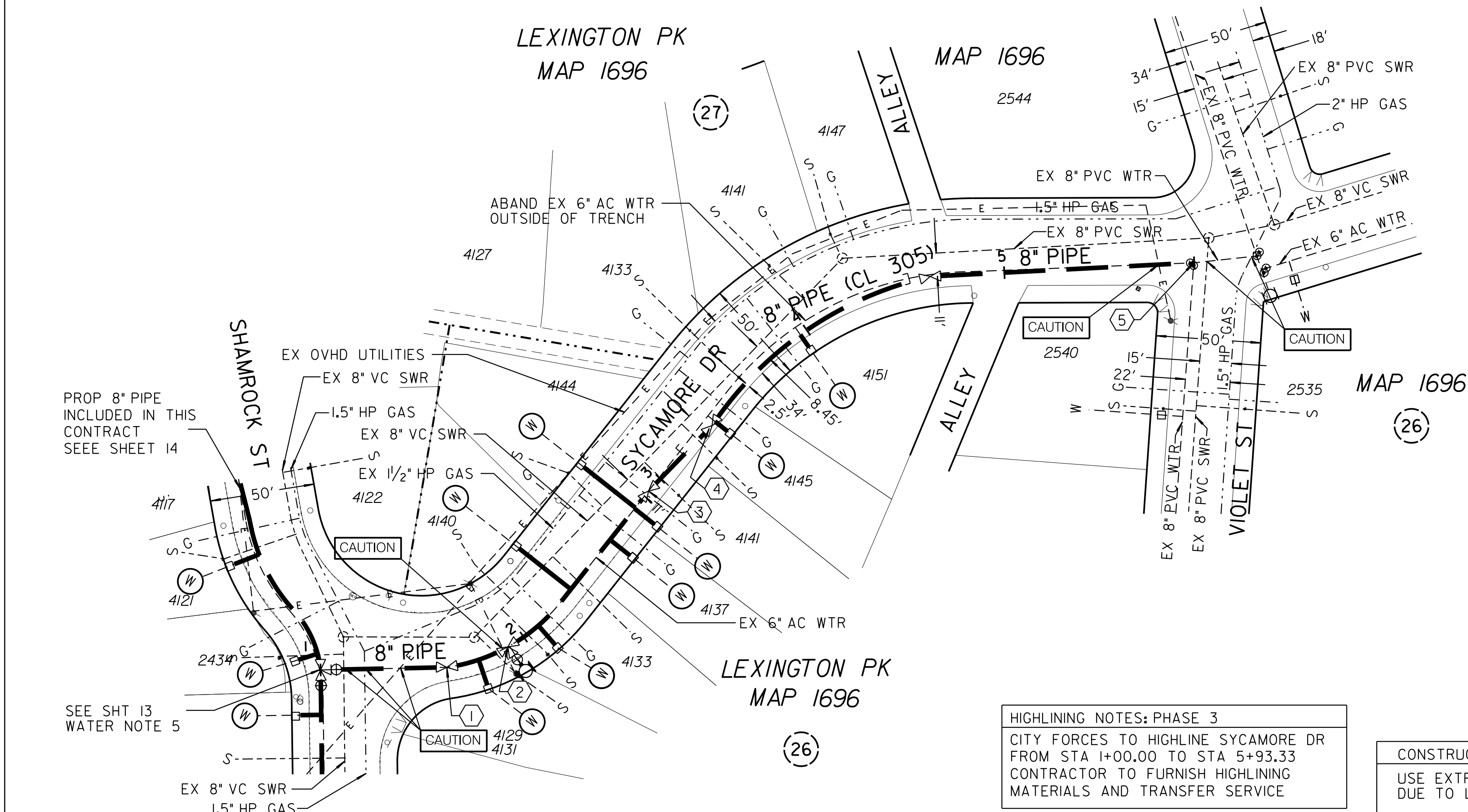
REVISION TO HORIZONTAL ALIGNMENT REPORT

ADDENDUM G

SHAMROCK ST



Alignment Name: 010-SHT15_SYCAMORE Alignment Description: Alignment Style: Default Station Northing Easting	Element: Linear PT ( ) 2+24.85 1846938.96 6298381.82 PI ( ) 2+91.93 1847004.95 6298393.85 Tangential Direction: 0.18 Tangential Length: 67.08
Element: Linear POB ( ) 1+00.00 1846856.25 6298295.65 PC ( ) 1+60.21 1846885.53 6298348.26 Tangential Direction: 1.06 Tangential Length: 60.21	Element: Linear PI ( ) 2+91.93 1847004.95 6298393.85 PC ( ) 3+35.46 1847046.75 6298406.01 Tangential Direction: 0.28 Tangential Length: 43.53
Element: Circular PC ( ) 1+60.21 1846885.53 6298348.26 PI ( ) 1+75.84 1846894.74 6298360.89 CC ( ) 1846954.23 6298298.20 PCC ( ) 1+91.12 1846907.83 6298369.42 Radius: 85.00 Delta: 0.36 Left Degree of Curvature (Arc): 1.18 Length: 30.91 Tangent: 15.63 Chord: 30.74 Middle Ordinate: 1.40 External: 1.42 Tangent Direction: 0.94 Radial Direction: 2.51 Chord Direction: 0.76 Radial Direction: 2.15 Tangent Direction: 0.58	Element: Circular PC ( ) 3+35.46 1847046.75 6298406.01 PI ( ) 4+03.32 1847114.24 6298413.06 CC ( ) 1847029.07 6298575.29 PT ( ) 4+64.61 1847158.37 6298464.62 Radius: 170.19 Delta: 0.76 Right Degree of Curvature (Arc): 0.59 Length: 129.15 Tangent: 67.86 Chord: 126.07 Middle Ordinate: 12.10 External: 13.03 Tangent Direction: 0.10 Radial Direction: 1.67 Chord Direction: 0.48 Radial Direction: 2.43 Tangent Direction: 0.86
Element: Circular PCC ( ) 1+91.12 1846907.83 6298369.42 PI ( ) 2+08.21 1846922.15 6298378.75 CC ( ) 1846954.23 6298298.20 PT ( ) 2+24.85 1846938.96 6298381.82 Radius: 85.00 Delta: 0.40 Left Degree of Curvature (Arc): 1.18 Length: 33.72 Tangent: 17.09 Chord: 33.50 Middle Ordinate: 1.67 External: 1.70 Tangent Direction: 0.58 Radial Direction: 2.15 Chord Direction: 0.38 Radial Direction: 1.75 Tangent Direction: 0.18	Element: Linear PT ( ) 4+64.61 1847158.37 6298464.62 POE ( ) 5+90.74 1847223.15 6298572.84 Tangential Direction: 1.03 Tangential Length: 126.13



- 1

BY CONTRACTOR  
FURNISH AND INSTALL

STA 1+60.21  
1- 8" 11/4" BEND (MJ, MJ)
- 2

BY CONTRACTOR  
FURNISH AND INSTALL

STA 1+91.12  
1- 8" X 6" TEE (MJ, MJ, F)  
1- 6" FH ASSY AND MARKER
- 3

BY CONTRACTOR  
FURNISH AND INSTALL

STA 2+91.93  
1- 11/4" 1" BEND (MJ)
- 4

BY CONTRACTOR  
FURNISH AND INSTALL

STA 3+35.46  
1- 11/4" 1" BEND (MJ)
- 5

BY CITY FORCES  
AHD OF CONTRACTOR

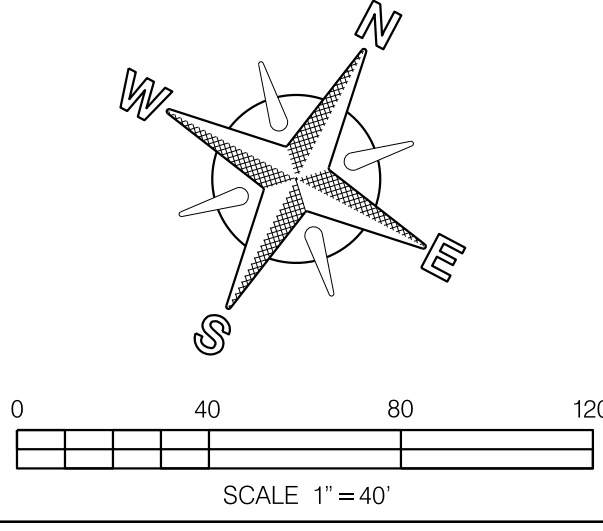
STA 5+90.74  
CUT AND PLUG EX 8" PVC WTR ±5' BK  
RECONNECT AFTER THE NEW MAIN IS ACCEPTED

REFERENCE:  
WATER: 30394-25-D, 5227-W  
SEWER: 1620-L  
STORM DRAIN: 11194-L  
GAS: AS-BUILT DWG. 30394-25-D  
GAS DRAWING WAS REQUESTED  
ELECTRIC: SE0209BD.DGN  
CABLE TV: NONE  
TELEPHONE: NONE  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: 1205  
THOMAS BROS.: 1269 7H  
HGL: 536

RETIREMENTS:  
6" - AC - 0493.53' - 1953  
FH (2-PORT) - 1  
1" SERVICE - 8 - COPPER - 1953

C-12

WATER AND STORM DRAIN GROUP 968			
SYCAMORE DR			
SYCAMORE ST TO VIOLET ST			
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 15 OF 26 SHEETS		WATER WBS B-14099 SD B-15028 WBS	
APPROVED:	DATE: 03/12/2020	SUBMITTED BY: JAMAL SHERZAI PROJECT MANAGER	
FOR CITY ENGINEER: NICOLE SALEM	DATE: 3/12/20	CHECKED BY: BOBAK MADGEDJI PROJECT ENGINEER	
PRINT NAME: NICOLE SALEM	DATE: 3/12/20	DATE: 206-1737	
DESCRIPTION: ORIGINAL	BY: BM/EG	APPROVED:	DATE: 7/1/20
ADDENDUM G	BY: BM/SV	APPROVED:	DATE: 7/1/20
6298407-1846444 CCS83 COORDINATE		38719-15-D	



HIGHLINING NOTES: PHASE 3  
CITY FORCES TO HIGHLINE SYCAMORE DR  
FROM STA 1+00.00 TO STA 5+93.33  
CONTRACTOR TO FURNISH HIGHLINING  
MATERIALS AND TRANSFER SERVICE

CONSTRUCTION NOTES:  
USE EXTREME CAUTION WHEN WORKING  
DUE TO LOW OVERHEAD UTILITY LINES.

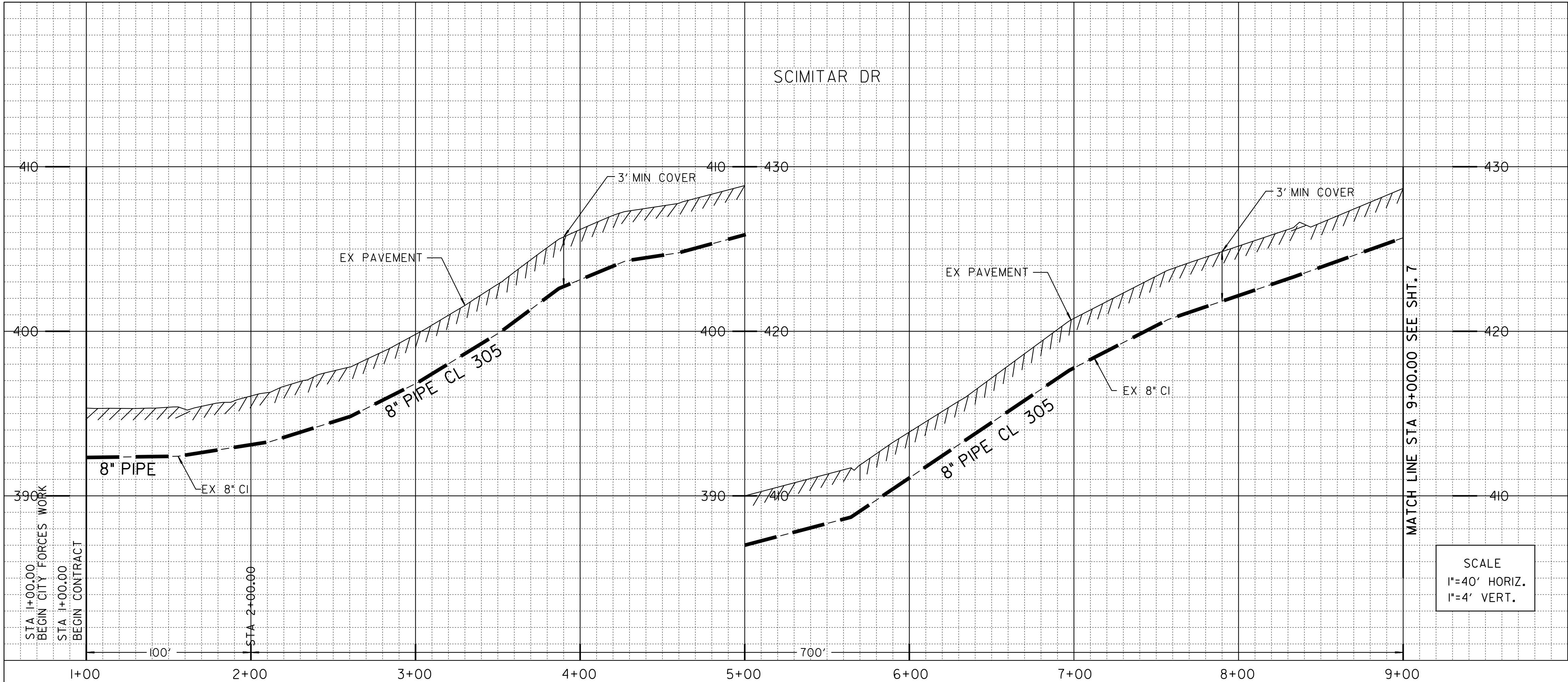
SITE 9C

REVISION TO HORIZONTAL ALIGNMENT REPORT

ADDENDUM G

SYCAMORE DR





Alignment Name: 011-SHT16-17-18-19\_SCIMITAR  
Alignment Description:  
Alignment Style: Default  
Station Northing Easting

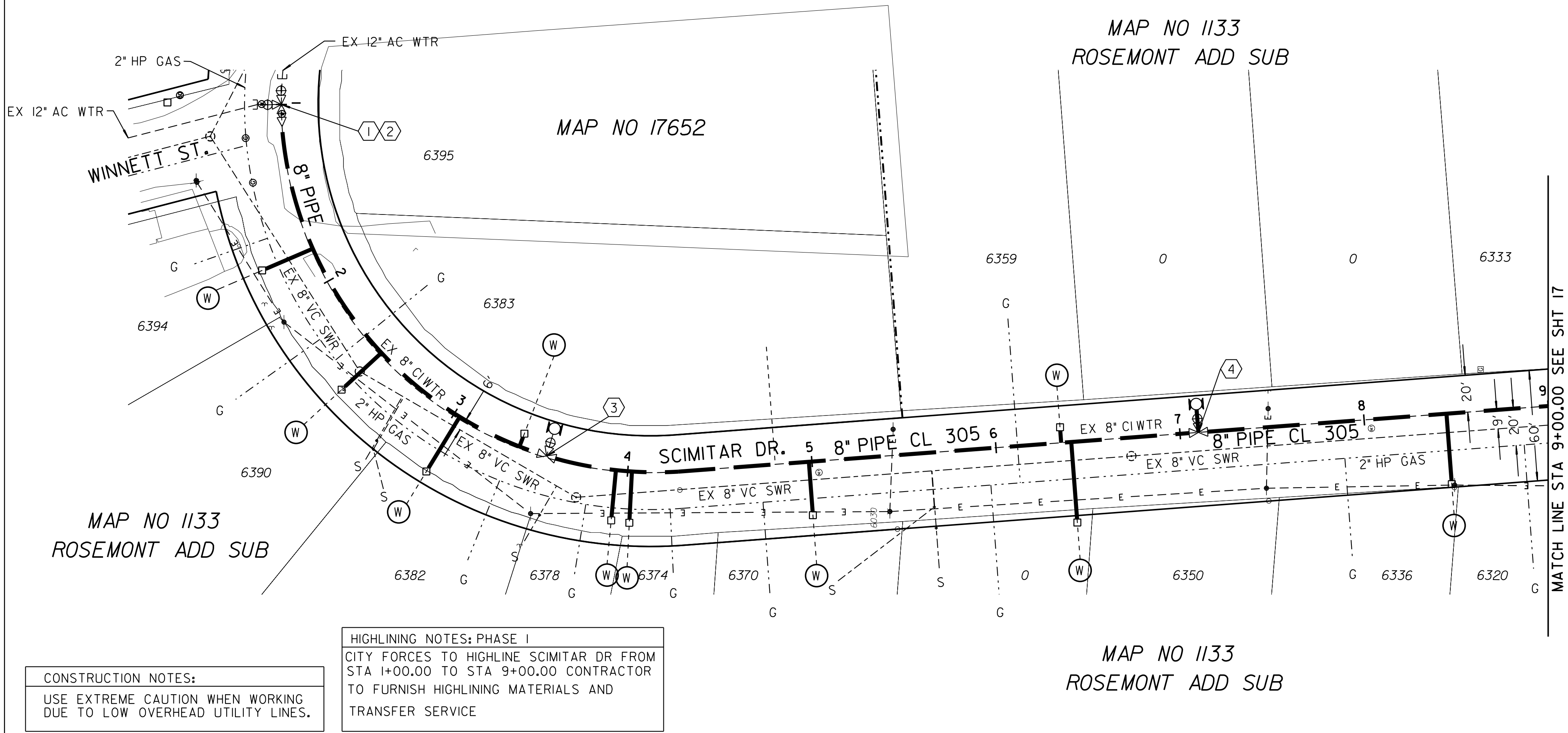
Element: Circular  
PC ( ) 1+00.00 1842581.35 6312304.90  
PI ( ) 1+07.50 1842581.34 6312297.40  
CC ( ) 1842381.96 6312305.28  
PCC ( ) 1+14.99 1842580.76 6312289.92  
Radius: 199.39  
Delta: 0.08 Left  
Degree of Curvature (Arc): 0.50  
Length: 14.99  
Tangent: 7.50  
Chord: 14.99  
Middle Ordinate: 0.14  
External: 0.14  
Tangent Direction: 4.71  
Radial Direction: 6.28  
Chord Direction: 4.67  
Radial Direction: 6.21  
Tangent Direction: 4.64

Element: Circular  
PC ( ) 1+14.99 1842580.76 6312289.92  
PI ( ) 2+51.31 1842568.05 6312154.20  
CC ( ) 1842378.29 6312308.87  
PCC ( ) 3+55.17 1842437.68 6312114.39  
Radius: 203.35  
Delta: 1.18 Left  
Degree of Curvature (Arc): 0.49  
Length: 240.17  
Tangent: 136.31  
Chord: 226.46  
Middle Ordinate: 34.44  
External: 41.46  
Tangent Direction: 4.62  
Radial Direction: 6.19  
Chord Direction: 4.03  
Radial Direction: 5.01  
Tangent Direction: 3.44

Element: Circular  
PC ( ) 3+55.17 1842437.68 6312114.39  
PI ( ) 3+91.71 1842402.73 6312103.72  
CC ( ) 1842378.29 6312308.87  
PT ( ) 4+27.49 1842366.25 6312105.88  
Radius: 203.35  
Delta: 0.36 Left  
Degree of Curvature (Arc): 0.49  
Length: 72.32  
Tangent: 36.55  
Chord: 71.94  
Middle Ordinate: 3.21  
External: 3.26  
Tangent Direction: 3.44  
Radial Direction: 5.01  
Chord Direction: 3.26  
Radial Direction: 4.65  
Tangent Direction: 3.08

Element: Linear  
PT ( ) 4+27.49 1842366.25 6312105.88  
PI ( ) 7+09.99 1842084.54 6312127.14  
Tangential Direction: 3.07  
Tangential Length: 282.51

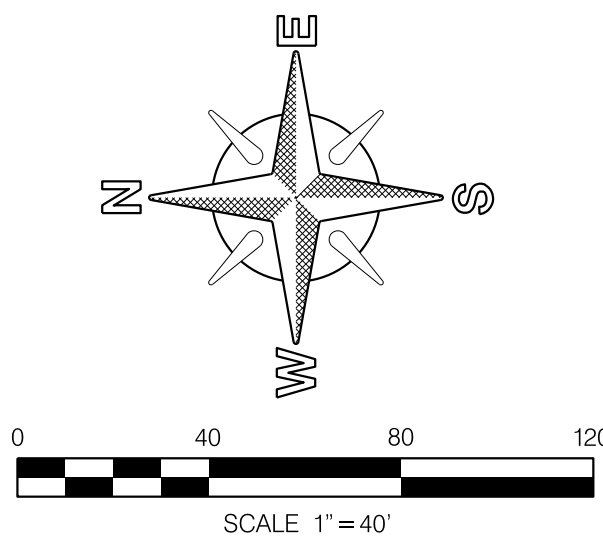
Element: Linear  
PC ( ) 7+09.99 1842084.54 6312127.14  
PI ( ) 9+50.70 1841844.52 6312145.25  
Tangential Direction: 3.07  
Tangential Length: 240.71



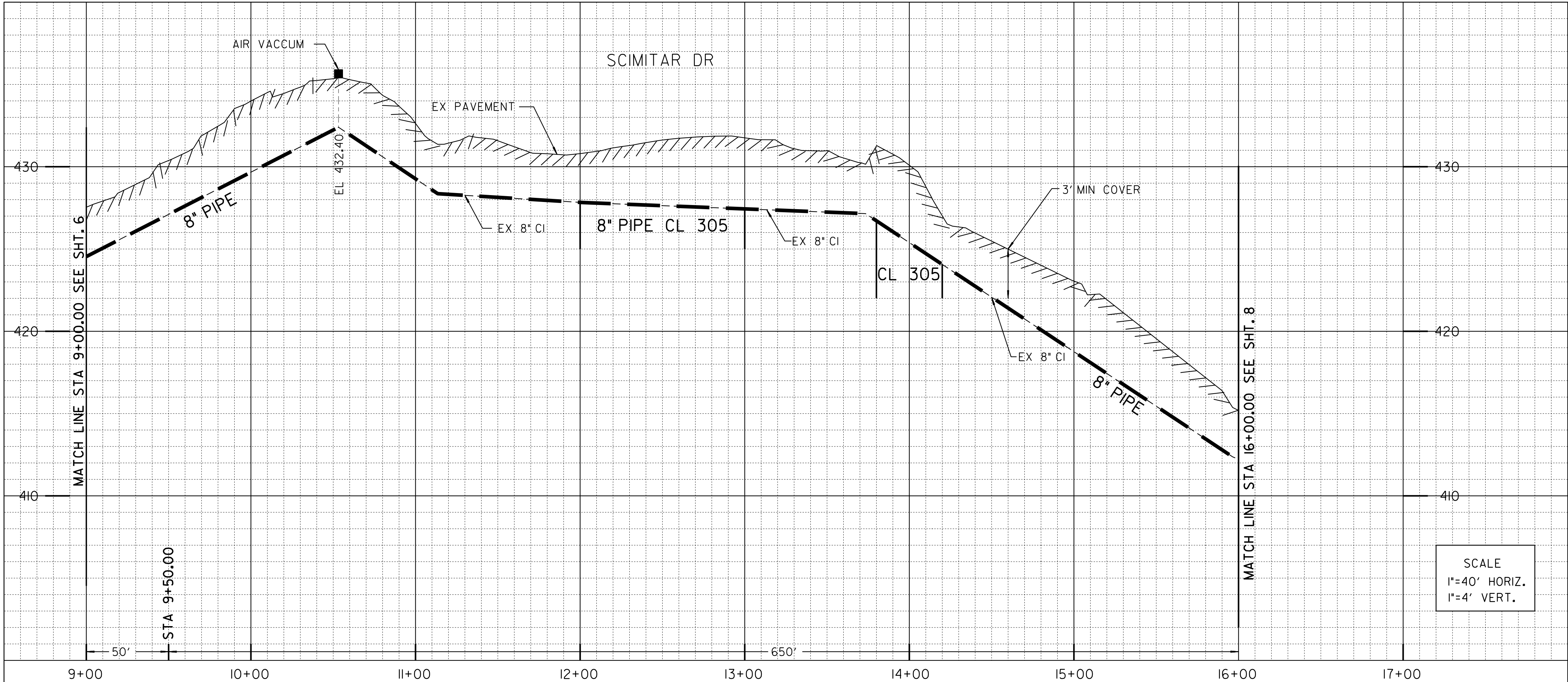
- ① BY CITY FORCES  
AND OF CONTRACTOR  
STA 1+00.00  
CUT AND PLUG  
EX 12" AC +/- 10' RT  
EX 12" AC +/- 10' BK  
RECONNECT AFTER THE  
NEW MAIN HAS BEEN  
ACCEPTED
- ② BY CONTRACTOR  
FURNISH AND INSTALL  
STA 1+00.00  
1- 12" X 12" TEE (MJ, F, F)  
2 - 12" GV (F, MJ) BK, RT  
1- 12" X 8" REDUCER (MJ) AND
- ③ BY CONTRACTOR  
FURNISH AND INSTALL  
STA 3+55.17  
1- 8"X6" TEE (MJ, MJ, F)  
1- 6" FH ASSY AND MARKER
- ④ BY CONTRACTOR  
FURNISH AND INSTALL  
STA 7+09.99  
1- 8" X 6" TEE (MJ, MJ, F)  
1- 6" FH ASSY AND MARKER

REFERENCE:  
WATER: 9904-D, 10167-4-D  
3291-0-L, 3290-0-L  
SEWER: 9904-D, 6356-0-D, 6332-0-D  
STORM DRAIN: 7775-D  
GAS: 15772-18805, 16215-118770  
ELECTRIC: 15522-119280  
CABLE TV: 10608CB.DGN  
TELEPHONE: 10608CB.DGN  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: B09S, L21S  
THOMAS BROS.: 1290 2D, 1227 5H  
HGL: 370, 610

RETIREMENTS:  
8" - CI - 900' - 1928  
1" SERVICE - 10 - COPPER - 1961



WATER AND STORM DRAIN GROUP 968	
SCIMITAR DR	
STA 1+00.00 TO STA 9+00.00	
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 16 OF 26 SHEETS	
APPROVED: <i>Nicole Marie Salem</i> FOR CITY ENGINEER NICOLE SALEM PRINT NAME	DATE: 03/12/2020 RCE# C88116
DESIGNER: <i>Nicole Marie Salem</i> BY: BM/EG	APPROVED: <i>Nicole Marie Salem</i> DATE: 3/12/20
ORIGINAL	ADDENDUM G
DATE STARTED: 3/12/20	DATE COMPLETED: 7/1/20
SUBMITTED BY: JAMAL SHERZAI PROJECT MANAGER	
CHECKED BY: BOBAK MADGEDJI PROJECT ENGINEER	
250-1689 CCS27 COORDINATE	
6250407-1890444 CCS83 COORDINATE	
38719-16-D	



Element: Linear  
PI ( ) 7+09.99 1842084.54 631217.14  
PC ( ) 9+50.70 1841844.52 6312145.25  
Tangential Direction: 3.07  
Tangential Length: 240.71

Element: Circular  
PC ( ) 9+50.70 1841844.52 6312145.25  
PI ( ) 9+84.26 1841811.05 6312147.83  
CC ( ) 1841836.05 6312035.58  
PCC ( ) 10+15.85 1841781.85 6312131.29  
Radius: 110.00  
Delta: 0.59 Right  
Degree of Curvature (Arc): 0.91  
Length: 65.15  
Tangent: 33.56  
Chord: 64.20  
Middle Ordinate: 4.79  
External: 5.01  
Tangent Direction: 3.06  
Radial Direction: 4.64  
Chord Direction: 3.36  
Radial Direction: 5.23  
Tangent Direction: 3.66

Element: Circular  
PCC ( ) 10+15.85 1841781.85 6312131.29  
PI ( ) 10+34.73 1841765.42 6312121.99  
CC ( ) 1841836.05 6312035.58  
PCC ( ) 10+53.25 1841753.04 6312107.74  
Radius: 110.00  
Delta: 0.34 Right  
Degree of Curvature (Arc): 0.91  
Length: 37.39  
Tangent: 18.88  
Chord: 37.21  
Middle Ordinate: 1.59  
External: 1.61  
Tangent Direction: 3.66  
Radial Direction: 5.23  
Chord Direction: 3.83  
Radial Direction: 5.57  
Tangent Direction: 4.00

Element: Circular  
PCC ( ) 10+53.25 1841753.04 6312107.74  
PI ( ) 11+02.04 1841721.03 6312070.92  
CC ( ) 1841836.05 6312035.58  
PRC ( ) 11+45.09 1841726.84 6312022.48  
Radius: 110.00  
Delta: 0.83 Right  
Degree of Curvature (Arc): 0.91  
Length: 91.85  
Tangent: 48.79  
Chord: 89.20  
Middle Ordinate: 9.45  
External: 10.34  
Tangent Direction: 4.00

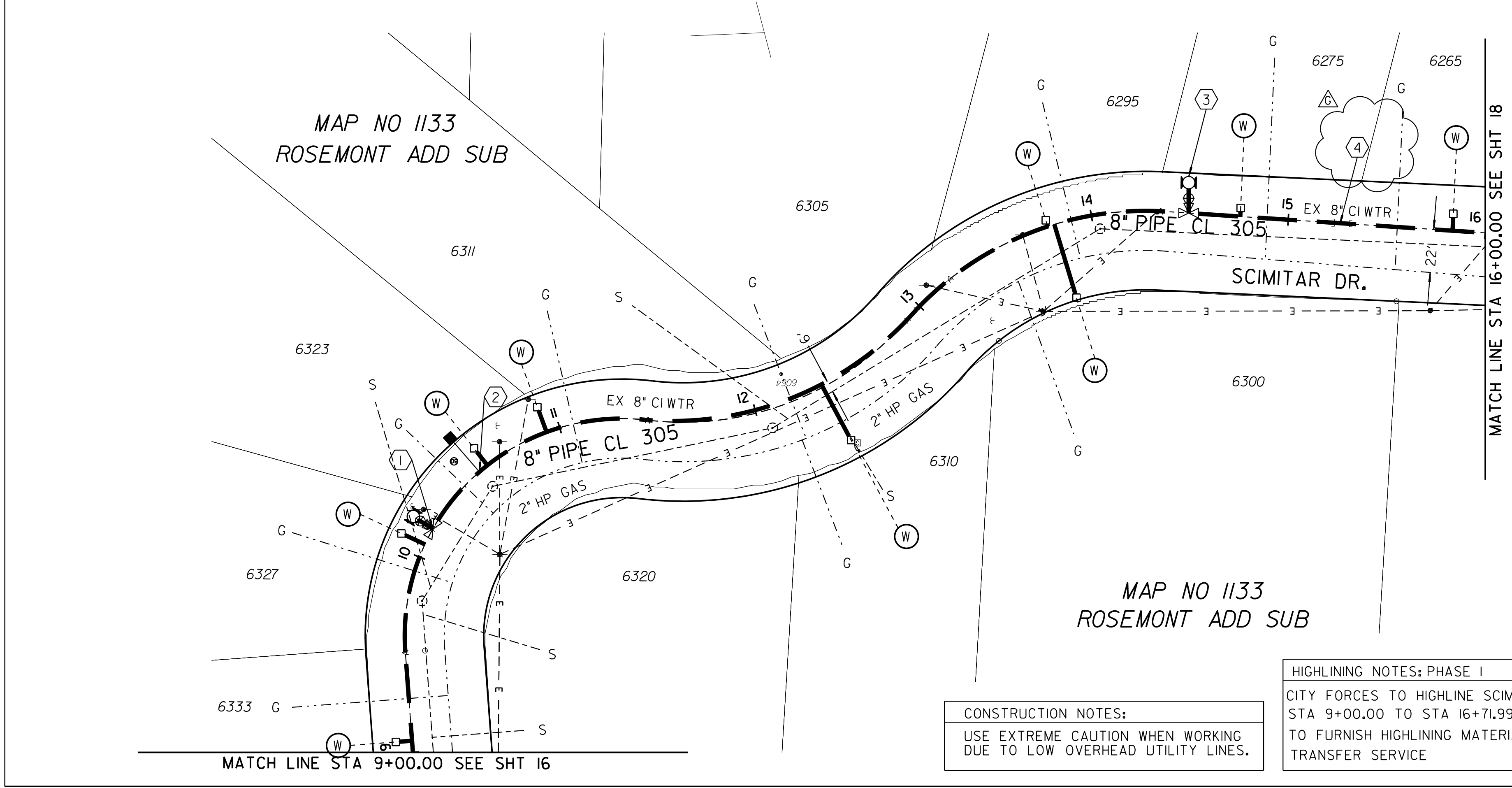
Radial Direction: 5.57  
Chord Direction: 4.41  
Radial Direction: 0.12  
Tangent Direction: 4.83

Element: Circular  
PRC ( ) 11+45.09 1841726.84 6312022.48  
PI ( ) 12+27.31 1841732.91 6311940.48  
CC ( ) 1841562.98 6312010.33  
PRC ( ) 12+97.56 1841670.93 6311886.46  
Radius: 164.31  
Delta: 0.93 Left  
Degree of Curvature (Arc): 0.61  
Length: 152.47  
Tangent: 82.22  
Chord: 147.05  
Middle Ordinate: 17.37  
External: 19.42  
Tangent Direction: 4.79  
Radial Direction: 0.07  
Chord Direction: 4.32  
Radial Direction: 5.43  
Tangent Direction: 3.86

Element: Circular  
PRC ( ) 12+97.56 1841670.93 6311886.46  
PI ( ) 13+74.84 1841614.78 6311833.35  
CC ( ) 1841780.92 6311770.19  
PT ( ) 14+41.56 1841621.46 6311756.36  
Radius: 160.05  
Delta: 0.90 Right  
Degree of Curvature (Arc): 0.62  
Length: 144.00  
Tangent: 77.28  
Chord: 139.19  
Middle Ordinate: 15.92  
External: 17.68  
Tangent Direction: 3.90  
Radial Direction: 5.47  
Chord Direction: 4.35  
Radial Direction: 0.09  
Tangent Direction: 4.80

Element: Linear  
PT ( ) 14+41.56 1841621.46 6311756.36  
PI ( ) 14+49.45 1841621.99 6311748.48  
Tangential Direction: 4.78  
Tangential Length: 7.90

Element: Linear  
PI ( ) 14+49.45 1841621.99 6311748.48  
PI ( ) 16+50.12 1841635.36 6311548.26  
Tangential Direction: 4.78  
Tangential Length: 200.67



- ① BY CONTRACTOR FURNISH AND INSTALL  
STA 10+15.85  
1- 8" X 6" TEE (MJ, MJ, F)  
1- 6" FH ASSY AND MARKER

② BY CONTRACTOR FURNISH AND INSTALL  
STA 10+53.25  
1- 1" AIR VAC ASSY

③ BY CONTRACTOR FURNISH AND INSTALL  
STA 14+49.45  
1- 8" X 6" TEE (MJ, MJ, F)  
1- 6" FH ASSY AND MARKER

④ BY CITYFORCES AHD OF CONTRACTOR  
STA 15+40.00  
CUT AND PLUG  
EX 8" CIWTR 5' LT, RT  
RECONNECT AFTER THE NEW MAINHAS BEEN ACCEPTED

REFERENCE:  
WATER: 9904-D, 10167-4-D  
3291-0-L, 3290-0-L  
SEWER: 9904-D, 6356-0-D, 6332-0-D  
STORM DRAIN: 7775-D  
GAS: 15772-18805, 16215-118770  
ELECTRIC: 15522-119280  
CABLE TV: 1J0608CB.DGN  
TELEPHONE: 1J0608CB.DGN  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: B09S, L21S  
THOMAS BROS.: 1290 2D, 1227 5H  
HGL: 370, 610


RETIREMENTS:  
8" - CI - 771.99' - 1928  
FH (3-PORT) - 1  
1" SERVICE - 9 - COPPER - 1961

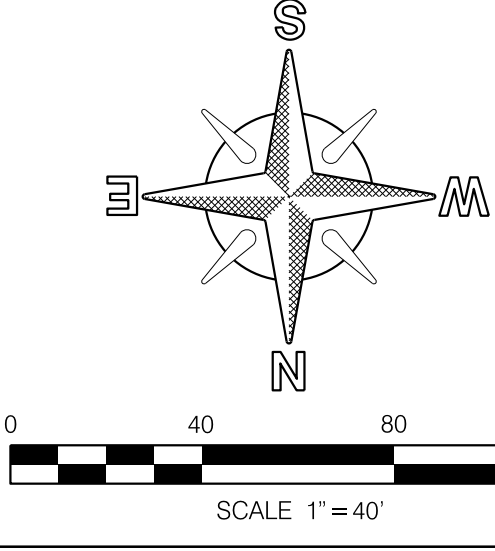
C-14

WATER AND STORM DRAIN GROUP 968

SCIMITAR DR

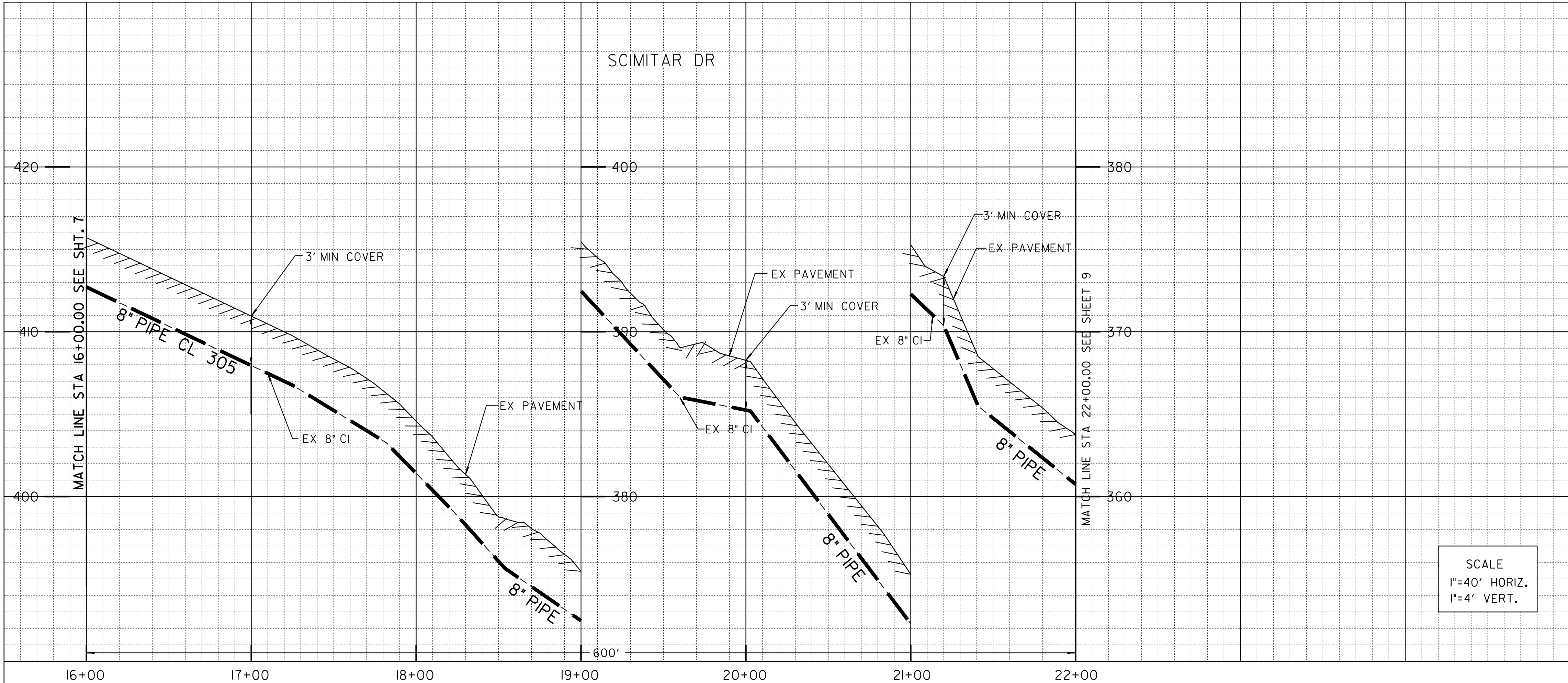
STA 9+00.00 TO STA 16+00.00

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 17 OF 26 SHEETS				WATER WBS SD B-14099 B-15028	
APPROVED: <i>Nicole Salem</i> FOR CITY ENGINEER NICOLE SALEM PRINT NAME _____ RCE# _____				03/12/2020 DATE C88116	
				SUBMITTED BY: JAMAL SHERZAI PROJECT MANAGER	
				CHECKED BY: BOBAK MADGEDI PROJECT ENGINEER	
DESCRIPTION		BY	APPROVED	DATE	FILMED
ORIGINAL		BM/EG	<i>Nicole Salem</i>	3/12/20	
					250-1689 CCS27 COORDINATE
 ADDENDUM G		BM/SV	<i>Nicole Salem</i>	7/1/20	
				6250407-1890444 CCS83 COORDINATE	
DATE STARTED _____				38719-17-D	
DATE COMPLETED _____					



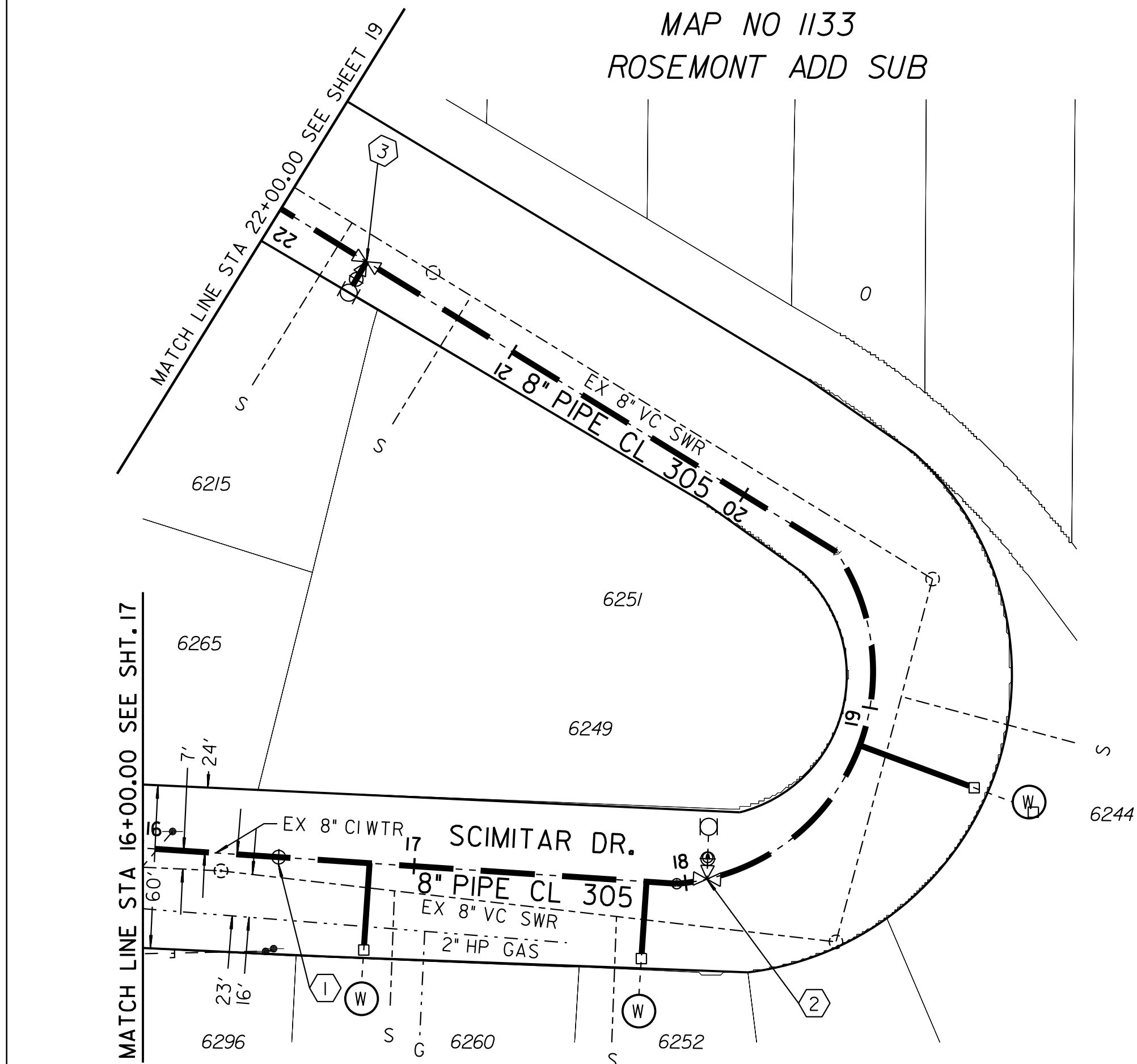
CONTRACTOR INSPECTOR \_\_\_\_\_ DATE STARTED \_\_\_\_\_ DATE COMPLETED \_\_\_\_\_





Element: Linear PI ( ) 14+49.45 1841621.99 6311748.48 PI ( ) 16+50.12 1841635.36 6311548.26 Tangential Direction: 4.78 Tangential Length: 200.67	Element: Circular PCC ( ) 18+07.95 1841643.44 6311390.89 PI ( ) 19+22.54 1841618.13 6311279.13 CC ( ) 1841567.05 6311408.19 PT ( ) 19+60.09 1841523.19 6311343.30 Radius: 78.32 Delta: 1.94 Left Degree of Curvature (Arc): 1.28 Length: 152.14 Tangent: 114.59 Chord: 129.32 Middle Ordinate: 34.13 External: 60.48 Tangent Direction: 4.49 Radial Direction: 6.06 Chord Direction: 3.52 Radial Direction: 4.12 Tangent Direction: 2.55
Element: Linear PI ( ) 16+50.12 1841635.36 6311548.26 PC ( ) 17+96.71 1841645.12 6311401.99 Tangential Direction: 4.78 Tangential Length: 146.59	Element: Circular PC ( ) 17+96.71 1841645.12 6311401.99 PI ( ) 18+02.34 1841644.68 6311396.38 CC ( ) 1841567.05 6311408.19 PCC ( ) 18+07.95 1841643.44 6311390.89 Radius: 78.32 Delta: 0.14 Left Degree of Curvature (Arc): 1.28 Length: 11.24 Tangent: 5.63 Chord: 11.23 Middle Ordinate: 0.20 External: 0.20 Tangent Direction: 4.63 Radial Direction: 6.20 Chord Direction: 4.56 Radial Direction: 6.06 Tangent Direction: 4.49
Element: Circular PC ( ) 17+96.71 1841645.12 6311401.99 PI ( ) 18+02.34 1841644.68 6311396.38 CC ( ) 1841567.05 6311408.19 PCC ( ) 18+07.95 1841643.44 6311390.89 Radius: 78.32 Delta: 0.14 Left Degree of Curvature (Arc): 1.28 Length: 11.24 Tangent: 5.63 Chord: 11.23 Middle Ordinate: 0.20 External: 0.20 Tangent Direction: 4.63 Radial Direction: 6.20 Chord Direction: 4.56 Radial Direction: 6.06 Tangent Direction: 4.49	Element: Linear PT ( ) 19+60.09 1841523.19 6311343.30 PI ( ) 21+63.04 1841416.51 6311515.96 Tangential Direction: 2.12 Tangential Length: 202.96
	Element: Linear PI ( ) 21+63.04 1841416.51 6311515.96 PI ( ) 24+43.28 1841269.21 6311754.36 Tangential Direction: 2.12 Tangential Length: 280.23

SCALE  
1"=40' HORIZ.  
1"=4' VERT.



CONSTRUCTION NOTES:  
USE EXTREME CAUTION WHEN WORKING  
DUE TO LOW OVERHEAD UTILITY LINES.

HIGHLINING NOTES: PHASE I  
CITY FORCES TO HIGHLINE SCIMITAR DR FROM  
STA 16+00.00 TO STA 22+00.00 CONTRACTOR  
TO FURNISH HIGHLINING MATERIALS AND  
TRANSFER SERVICE

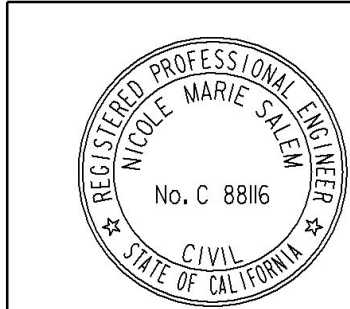
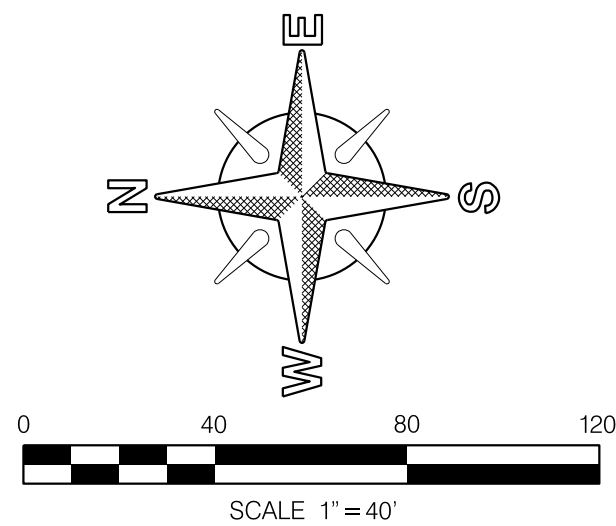
①  
BY CONTRACTOR  
FURNISH AND INSTALL  
STA 16+50.12  
1- 8" GV (MJ, MJ) AHD

②  
BY CONTRACTOR  
FURNISH AND INSTALL  
STA 18+07.95  
1- 8" X 6" TEE (MJ, MJ, F)  
1- 6" FH ASSY AND MARKER

③  
BY CONTRACTOR  
FURNISH AND INSTALL  
STA 21+63.04  
1- 8" X 6" TEE (MJ, MJ, F)  
1- 6" FH ASSY AND MARKER

REFERENCE:  
WATER: 9904-D, 10167-4-D  
3291-0-L, 3290-0-L  
SEWER: 9904-D, 6356-0-D, 6332-0-D  
STORM DRAIN: 7775-D  
GAS: 15772-18805, 16215-18770  
ELECTRIC: 15522-119280  
CABLE TV: 1J0608CB.DGN  
TELEPHONE: J0608CB.DGN  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: B09S, L21S  
THOMAS BROS.: 1290 2D, 1227 5H  
HGL: 370, 610

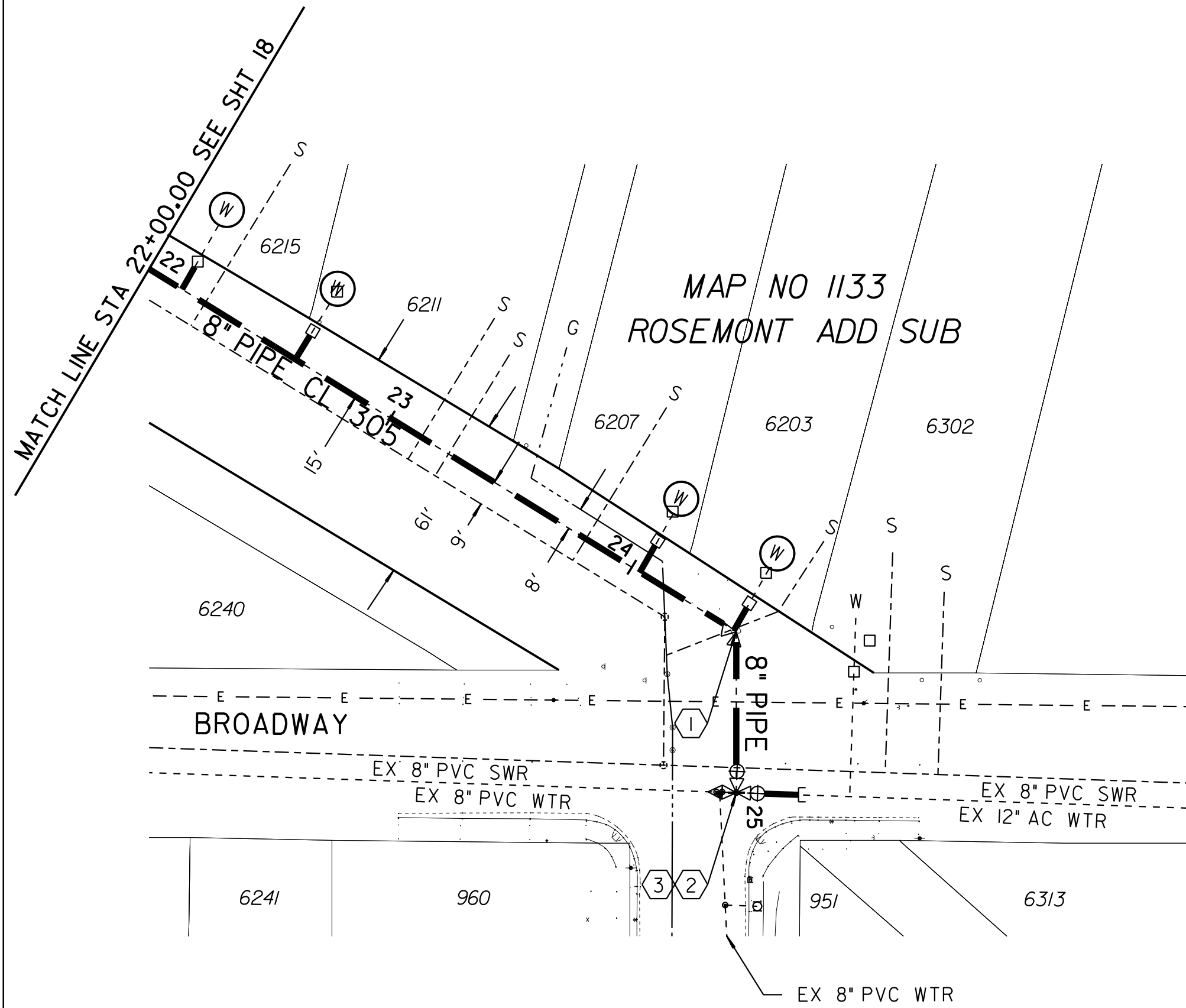
RETIREMENTS:  
8" - CI - 771.99' - 1928  
FH (3-PORT) - 1  
1" SERVICE - 9 - COPPER - 1961



CONTRACTOR \_\_\_\_\_ DATE STARTED \_\_\_\_\_  
INSPECTOR \_\_\_\_\_ DATE COMPLETED \_\_\_\_\_

WATER AND STORM DRAIN GROUP 968  
SCIMITAR DR  
STA 16+00.00 TO STA 22+00.00

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 18 OF 26 SHEETS		WATER WBS B-14099 SD B-15028
APPROVED: <i>Nicole Marie Salem</i> FOR CITY ENGINEER NICOLE SALEM PRINT NAME DATE 03/12/2020 RCE# C88116	SUBMITTED BY: JAMAL SHERZAI PROJECT MANAGER CHECKED BY: BOBAK MADGEDJI PROJECT ENGINEER	
DESCRIPTION ORIGINAL	BY BM/EG	APPROVED <i>Nicole Marie Salem</i> DATE 3/12/20
ADDENDUM G	BM/SV	DATE 7/1/20
250-1689 CCS27 COORDINATE		6250407-1890444 CCS83 COORDINATE
38719-18-D		



CONSTRUCTION NOTES:

USE EXTREME CAUTION WHEN WORKING  
DUE TO LOW OVERHEAD UTILITY LINES.

HIGHLINING NOTES: PHASE I

CITY FORCES TO HIGHLINE SCIMITAR DR FROM  
STA 9+00.00 TO STA 16+71.99 CONTRACTOR  
TO FURNISH HIGHLINING MATERIALS AND  
TRANSFER SERVICE

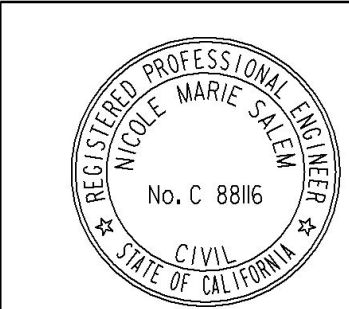
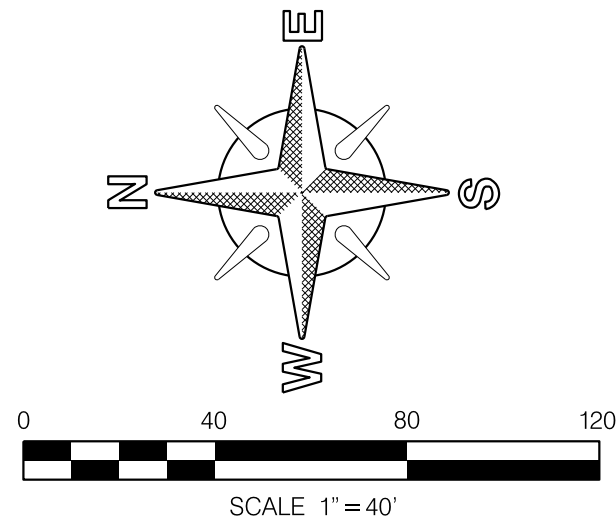
- ① BY CONTRACTOR  
FURNISH AND INSTALL  
STA 24+43.28  
1- 90 DEG BEND
- ② BY CITY FORCES  
AHD OF CONTRACTOR  
STA 25+00.00  
CUT AND PLUG EX 8" AC,  
+/- 22' LT  
CLOSE VALVE, 6' RT. OPEN  
AFTER NEW MAIN HAS BEEN  
ACCEPTED
- ③ BY CONTRACTOR  
FURNISH AND INSTALL  
STA 25+00.00  
1- 12" X 8" TEE  
1- 8" GV, BK (F, MJ)  
1- 12" GV, LT (F, MJ)  
1- 12" X 8" RED, LT (MJ)

REFERENCE:

WATER: 9904-D, 10167-4-D  
3291-0-L, 3290-0-L  
SEWER: 9904-D, 6356-0-D, 6332-0-D  
STORM DRAIN: 7775-D  
GAS: 15772-18805, 16215-118770  
ELECTRIC: 15522-119280  
CABLE TV: 1J0608CB.DGN  
TELEPHONE: J0608CB.DGN  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: B09S, L21S  
THOMAS BROS.: 1290 2D, 1227 5H  
HGL: 370, 610

RETIREMENTS:

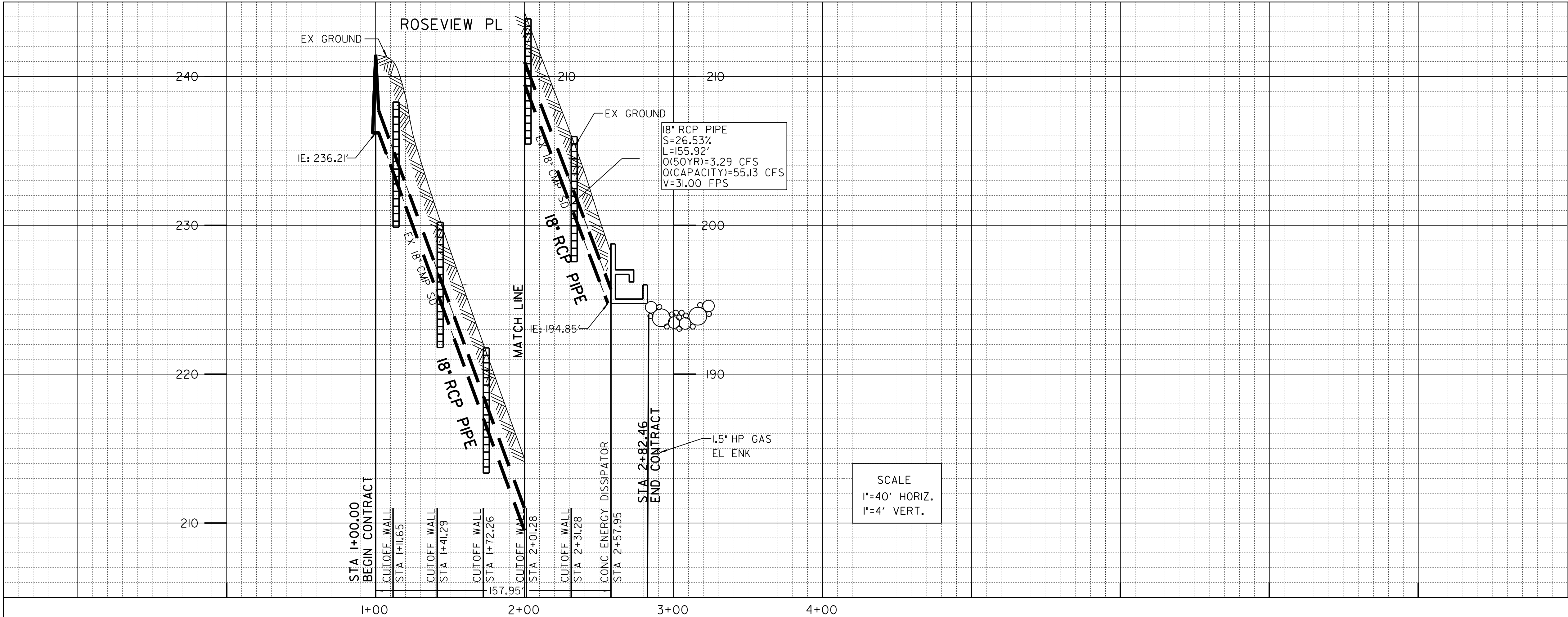
8" - CI - 771.99' - 1928  
FH (3-PORT) - 1  
1" SERVICE - 9 - COPPER - 1961



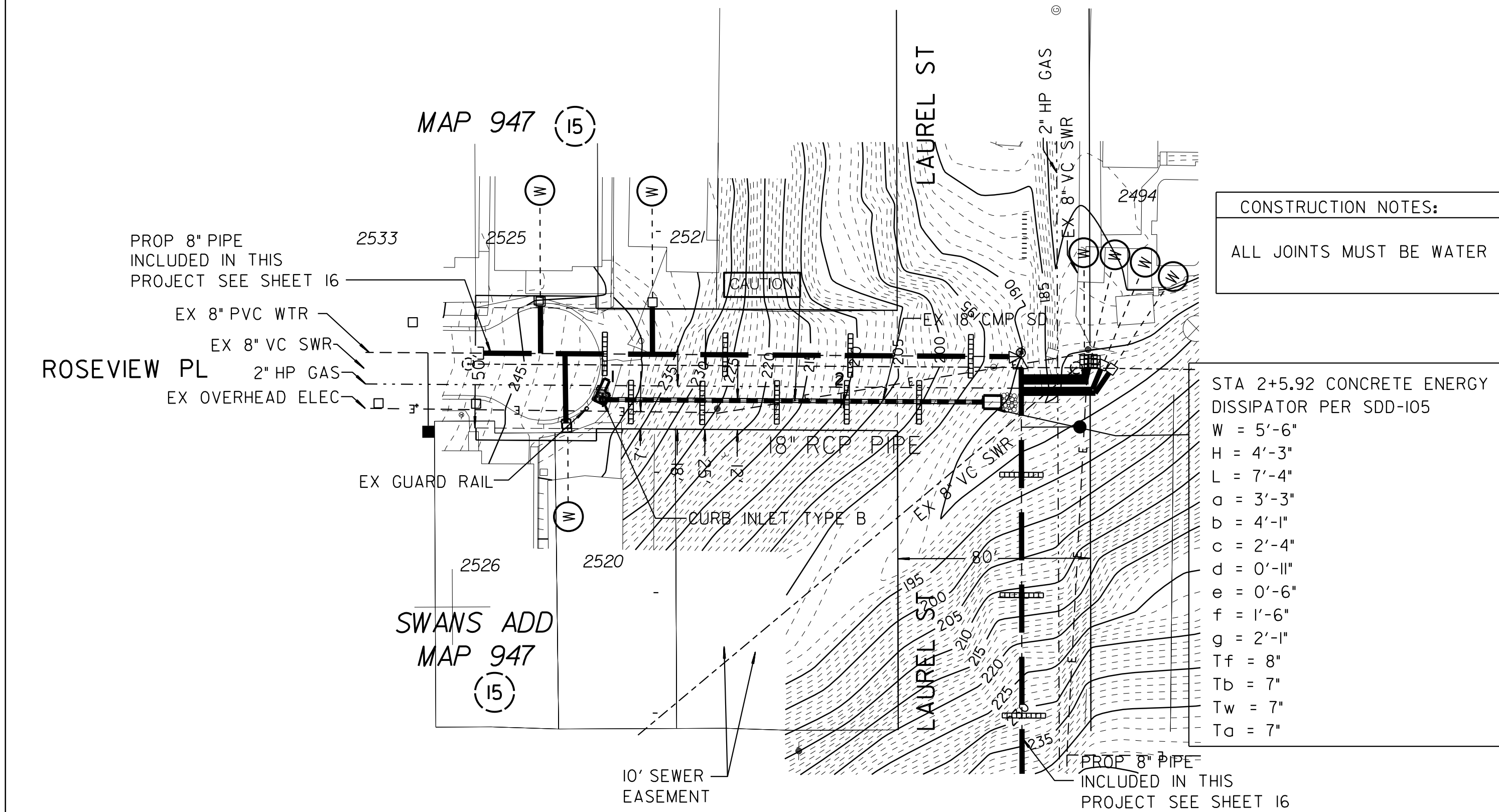
CONTRACTOR INSPECTOR DATE STARTED DATE COMPLETED

WATER AND STORM DRAIN GROUP 968					
SCIMITAR DR					
STA 22+00.00 TO STA 25+00.00					
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 19 OF 26 SHEETS				WATER WBS B-14099 SD WBS B-15028	
APPROVED: <i>Nicole Marie Salem</i> FOR CITY ENGINEER NICOLE SALEM PRINT NAME	DATE 03/12/2020 C88116 RCE#	SUBMITTED BY JAMAL SHERZAI PROJECT MANAGER		CHECKED BY BOBAK MADGEDJI PROJECT ENGINEER	
DESCRIPTION ORIGINAL	BY BM/EG	APPROVED <i>Nicole Marie Salem</i>	DATE 3/12/20	FILMED	250-1689 CCS27 COORDINATE
ADDENDUM G	BM/SV	<i>Nicole Marie Salem</i>	7/1/20		6250407-1890444 CCS83 COORDINATE
				38719-19-D	








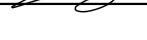
Alignment Name: 012-SHT20.ROSEVIEW	
Alignment Description:	
Alignment Style: Default	
Station Northing Easting	
Element: Linear	
POB ( ) 1+00.00 1847137.13 6300885.77	
PI ( ) 1+11.65 1847125.48 6300885.64	
Tangential Direction: 3.15	
Tangential Length: 11.65	
Element: Linear	
PI ( ) 1+11.65 1847125.48 6300885.64	
PI ( ) 1+41.29 1847095.84 6300885.33	
Tangential Direction: 3.15	
Tangential Length: 29.63	
Element: Linear	
PI ( ) 1+41.29 1847095.84 6300885.33	
PI ( ) 1+72.26 1847064.88 6300885.01	
Tangential Direction: 3.15	
Tangential Length: 30.97	
Element: Linear	
PI ( ) 1+72.26 1847064.88 6300885.01	
PI ( ) 2+01.28 1847035.85 6300884.71	
Tangential Direction: 3.15	
Tangential Length: 29.03	
Element: Linear	
PI ( ) 2+01.28 1847035.85 6300884.71	
PI ( ) 2+31.28 1847005.85 6300884.40	
Tangential Direction: 3.15	
Tangential Length: 30.00	
Element: Linear	
PI ( ) 2+31.28 1847005.85 6300884.40	
PI ( ) 2+57.95 1846979.19 6300884.12	
Tangential Direction: 3.15	
Tangential Length: 26.67	
Element: Linear	
PI ( ) 2+57.95 1846979.19 6300884.12	
POE ( ) 2+65.45 1846971.69 6300884.03	
Tangential Direction: 3.15	
Tangential Length: 7.50	

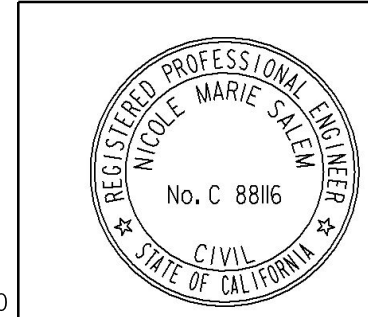
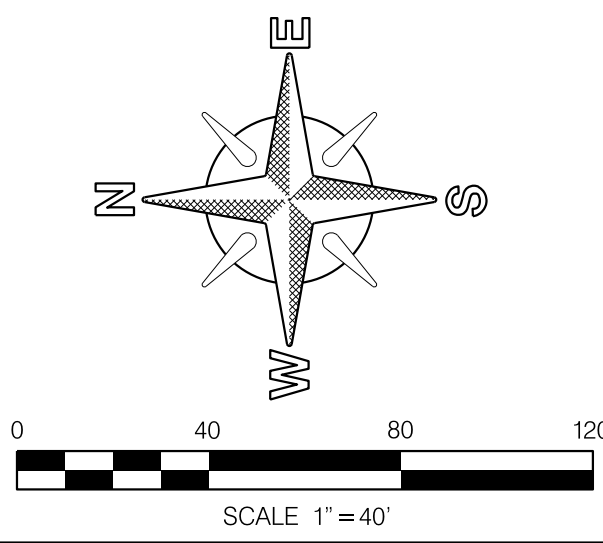


REFERENCE:  
WATER: 2148-D  
SEWER: 2184-D  
STORM DRAIN: 6055-D  
GAS: 16102-118815  
ELECTRIC: 16102-118810  
CABLE TV: MS0308AA.DGN,  
MS0308AC.DGN  
TELEPHONE:  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: J205  
THOMAS BROS.: 1289 1J  
HGL: 536

RETIREMENTS:  
16" - CMP - 192.57' - 1954

C-17

WATER AND STORM DRAIN GROUP 968				
ROSEVIEW PL				
NORTH OF LAUREL ST				
ROSEVIEW PL TO LAUREL ST				
CITY OF SAN DIEGO, CALIFORNIA			WATER WBS	B-14099
PUBLIC WORKS DEPARTMENT			SD WBS	B-15028
SHEET 21 OF 26 SHEETS				
APPROVED: 			SUBMITTED BY:	
DATE: 03/12/2020			JAMAL SHERZAI	
FOR CITY ENGINEER: NICOLE SALEM			PROJECT MANAGER	
PRINT NAME			CHECKED BY:	
RCE#: C88116			BOBAK MADGEDJI	
			PROJECT ENGINEER	
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	BM/EG		3/12/20	
 ADDENDUM G	BM/SV		7/1/20	
			6298407-1846444	
			CCS83 COORDINATE	
DATE STARTED			38719-20-D	
DATE COMPLETED				



CONTRACTOR  
INSPECTOR

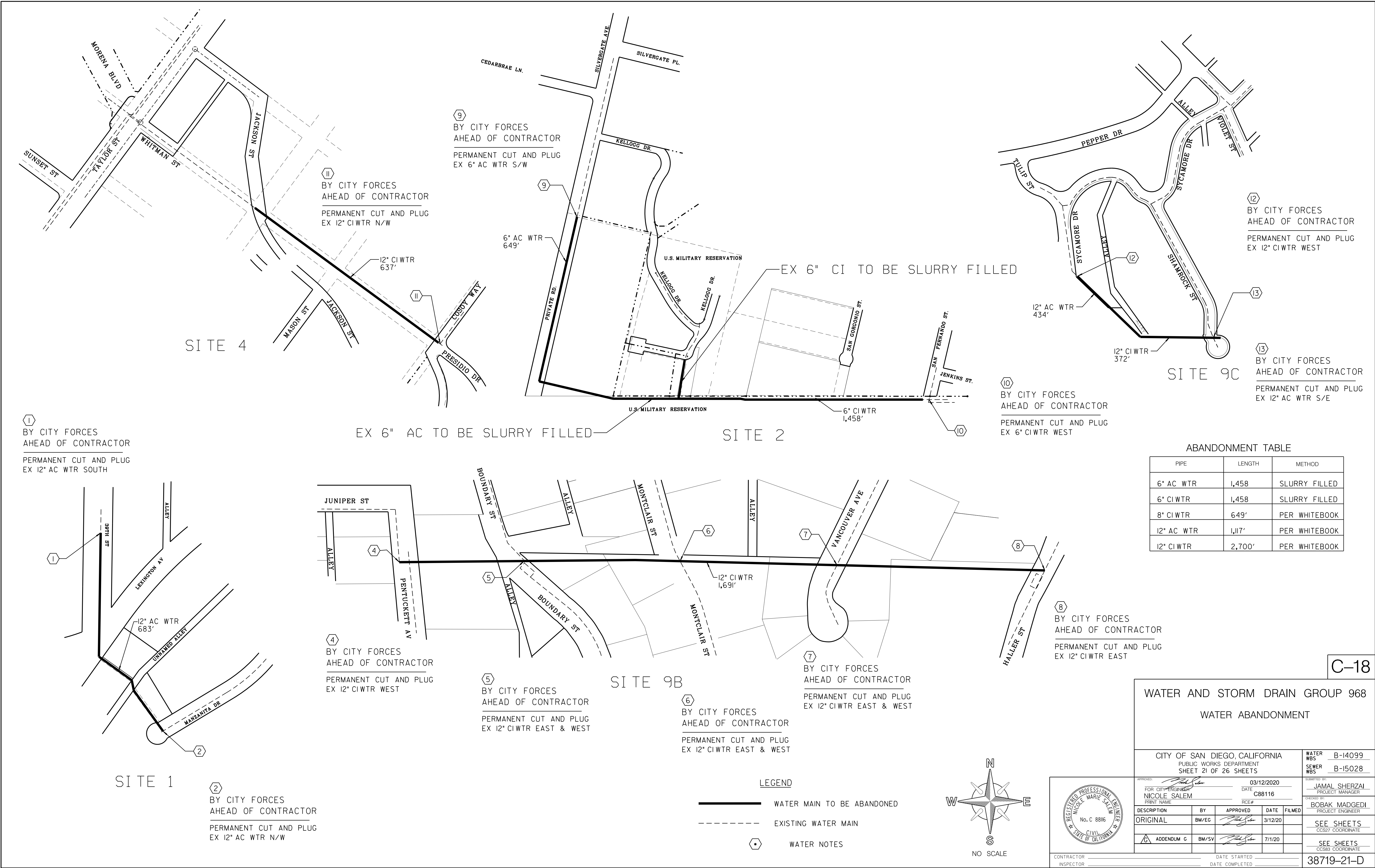
DATE STARTED  
DATE COMPLETED

SITE 8

REVISION TO HORIZONTAL ALIGNMENT REPORT

ADDENDUM G

ROSEVIEW PL





WORK BY CITY FORCES

LEGEND

- EXISTING WATER MAIN
- PRESSURE ZONE BOUNDARY
- PROPOSED WATER MAIN
- FIRE HYDRANT EXISTING
- CITY FORCES NOTE NUMBER (THIS SHEET)
- CITY FORCES NOTE NUMBER (PLAN & PROFILE SHT.)
- PLAN & PROFILE "D" SHEET NUMBER

BC --- BEFORE CONTRACTOR  
AC --- AFTER CONTRACTOR

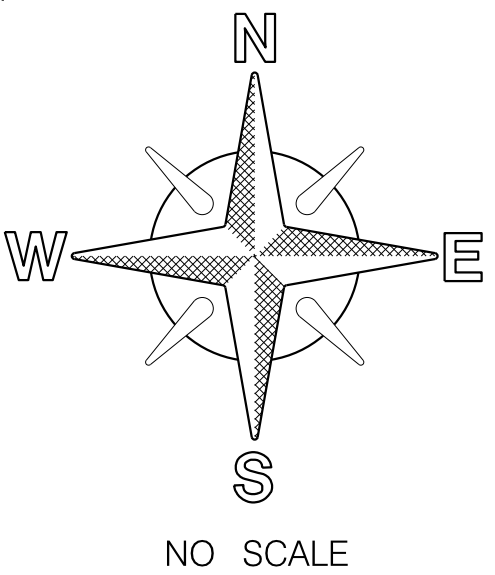
AREA TO BE HIGHLINED IN PHASES

- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4

WORK BY CITY FORCES

- BC - TEE/CROSS CUT-IN, OPEN/CLOSE VALVE(S)  
AC - RECONNECT. OPEN VALVE(S)
- BC - CUT & PLUG  
AC - RECONNECT
- BC - CUT AND ABANDON
- AC - WET TAP
- BC - CLOSE EX. VALVE (REPLACE IF NEEDED)  
AC - OPEN EX. VALVE
- BC - 24' SHUT DOWN

NOTE:  
1. THERE WILL BE A MAXIMUM OF 30 DAYS BETWEEN CONSTRUCTION OF EACH HIGHLINE PHASE  
2. NO STRUCTURE SHALL BE MORE THAN 1000 FEET FROM A "LIVE" FIRE HYDRANT AT ANYTIME DURING CONSTRUCTION.

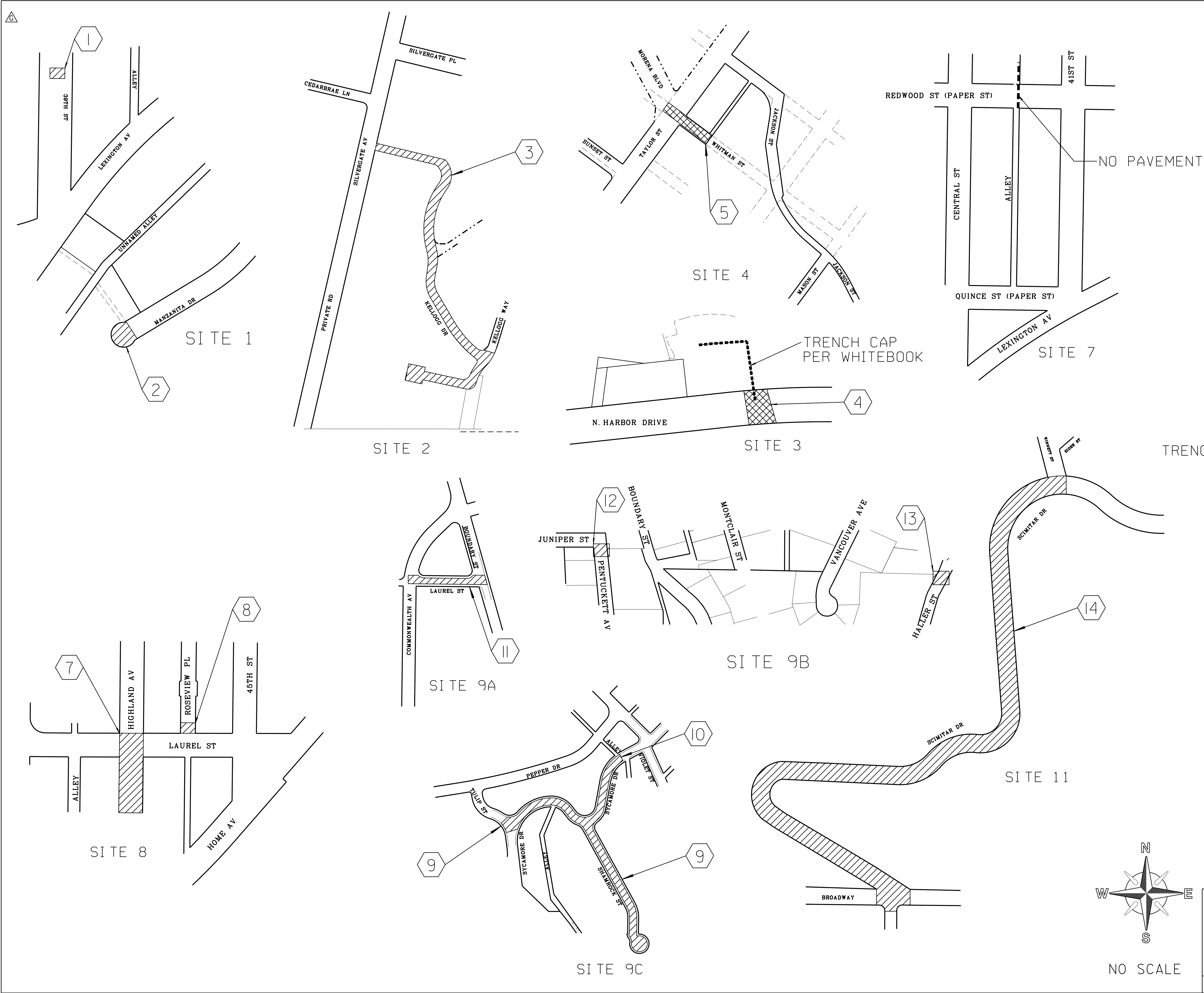


C-19

WORK BY CITY FORCES	
WATER AND STORM DRAIN GROUP 968	
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 22 OF 26 SHEETS	
APPROVED: <i>Nicole Marie Salem</i> FOR CITY ENGINEER NICOLE SALEM PRINT NAME DATE 03/12/2020 C88116 RCE#	WATER WBS B-14099 SEWER WBS B-15028 SUBMITTED BY: JAMAL SHERZAI PROJECT MANAGER CHECKED BY: BOBAK MADGEDDI PROJECT ENGINEER
DESCRIPTION ORIGINAL	BY BM/EG
APPROVED <i>Nicole Marie Salem</i>	DATE 3/12/20
ADDENDUM G	BM/SV
	DATE 7/1/20
CONTRACTOR INSPECTOR	
DATE STARTED DATE COMPLETED	
38719-22-D	

ADDENDUM G (REPLACEMENT SHEET 22)

WORK BY CITY FORCES



PAVING SCHEDULE NOTES					
NO.	LOCATION	RESTORATION REQUIRED	STATION	STATION	WIDTH
①	39TH ST	SLURRY SEAL (TYPE I OVER II)			200
②	MANZANITA DR	SLURRY SEAL (TYPE I OVER II)			400
③	KELLOGG DR	SLURRY SEAL (TYPE I OVER II)	1+00.00	12+52.00	20'
④	N. HARBOR DR	SLURRY SEAL (TYPE III)	0+60.00	1+15.00	10'
⑤	WHITMAN ST	SLURRY SEAL (TYPE III)	0+80.00	3+36.00	40'
⑥	CAMINO DEL RIO N	SLURRY SEAL (TYPE III)	0+60.00	1+15.00	10'
⑦	HIGHLAND AVE	SLURRY SEAL (TYPE I OVER II)	1+00.00	3+32.00	40'
⑧	ROSEVIEW PL	SLURRY SEAL (TYPE I OVER II)	5+20.00	5+75.00	40'
⑨	SHAMROCK ST	SLURRY SEAL (TYPE I OVER II)	1+00.00	11+35.00	34'
⑩	SYCAMORE DR	SLURRY SEAL (TYPE I OVER II)	1+00.00	5+93.00	34'
⑪	LAUREL ST	SLURRY SEAL (TYPE I OVER II)	1+00.00	4+39.00	40'
⑫	PENTUCKETT AV	SLURRY SEAL (TYPE I OVER II)			200
⑬	HALLER ST	SLURRY SEAL (TYPE I OVER II)			200
⑭	SCIMITAR DR	SLURRY SEAL (TYPE I OVER II)	1+00.00	25+00.00	40'
TOTAL AREA OF SLURRY SEAL TYPE III					10,550
TOTAL AREA OF SLURRY SEAL TYPE I OVER II					114,792

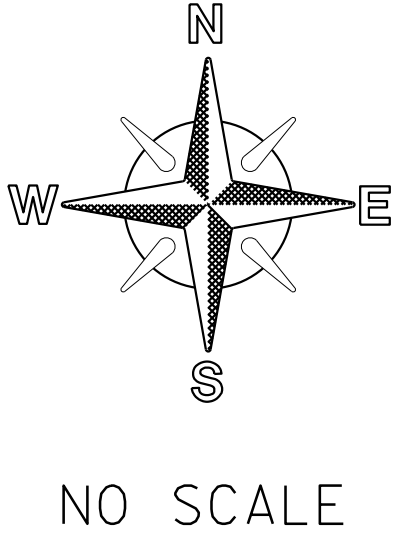
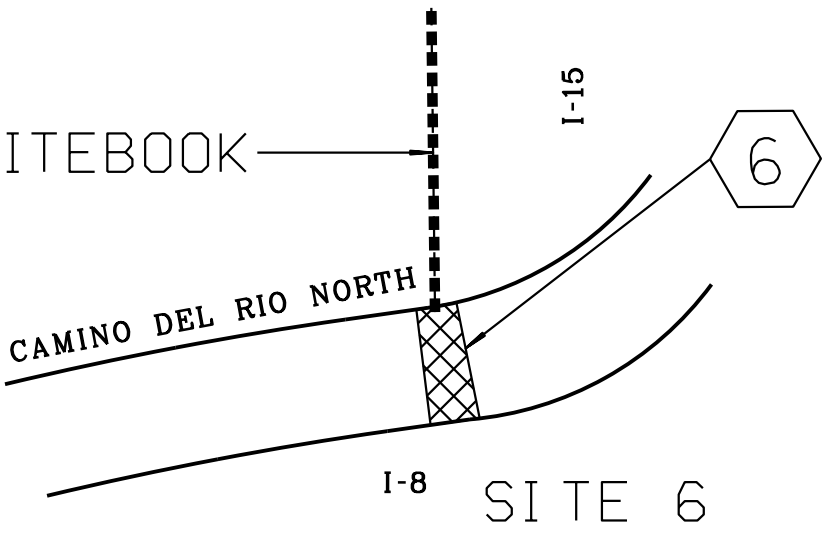
LEGEND

APPROXIMATE LOCATION OF SLURRY SEAL ( TYPE III)

APPROXIMATE LIMITS OF RESURFACE AC OVERLAY

LOCATION PER PAVING SCHEDULE NOTES (THIS SHEET)

COLD MILLING ASPHALT CONCRETE PAVEMENT; SDG-106



C-20

WATER AND STORM DRAIN GROUP 968  
STREET RESURFACING

CITY OF SAN DIEGO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
SHEET 23 OF 26 SHEETS

APPROVED:   
FOR CITY ENGINEER  
NICOLE SALEM  
PRINT NAME  
DATE  
03/12/2020  
DATE  
C88116  
RCE#

REGISTERED PROFESSIONAL ENGINEER  
NICOLE MARIE SALEM  
No. C 8816  
CIVIL  
STATE OF CALIFORNIA

WATER WBS B-14099  
SEWER WBS B-15028

SUBMITTED BY  
JAMAL SHERZAI  
PROJECT MANAGER

CHECKED BY  
BOBAK MADGEDJI  
PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	BM/EG		3/12/20	
ADDENDUM G	BM/SV		7/1/20	

SEE SHEETS  
CCS27 COORDINATE

SEE SHEETS  
CCS83 COORDINATE

38719-23-D

ADDENDUM G (REPLACEMENT SHEET 23)

STREET RESURFACING



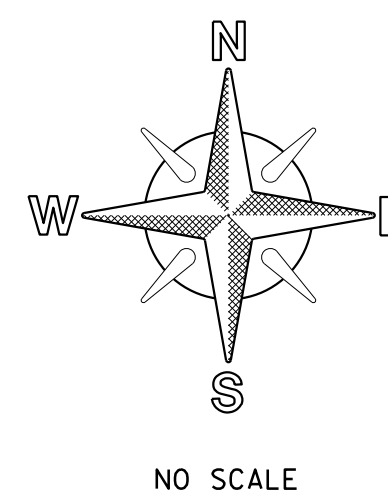
-----	PROPOSED WATER MAIN
-----	EXISTING WATER MAIN
○	EX MANHOLE
⊙	PROPOSED DISCHARGE LOCATION W/MANHOLE ID NO.
△ FSN	FACILITY SEQUENCE NUMBER

DISCHARGE TABLE			
STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
SCIMITAR DR	154	125929	165
SCIMITAR DR	151	125928	165
SCIMITAR DR	95	126169	165
SCIMITAR DR	96	126170	165
SCIMITAR DR	76	126154	165
SCIMITAR DR	92	126166	25
SCIMITAR DR	44	126126	25
SCIMITAR DR	45	126127	25
SCIMITAR DR	48	126130	25
SCIMITAR DR	47	126129	25
SCIMITAR DR	46	126128	25
SCIMITAR DR	39	126121	25
SCIMITAR DR	632	5705687	25
WHITMAN ST	737	5612407	320
CAMINO DEL RIO N.	39	104608	550

SITE II

SDCCU STADIUM

SITE 6



NO SCALE


CONTRACTOR _____	DATE STARTED _____
INSPECTOR _____	DATE COMPLETED _____

WATER AND STORM DRAIN GROUP 968

BATCH DISCHARGE


CITY OF SAN DIEGO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
SHEET 25 OF 26 SHEETS

WATER WBS	B-14099
SEWER WBS	B-15028

APPROVED:  03/12/2020  
FOR CITY ENGINEER DATE  
NICOLE SALEM C88116  
PRINT, DO NOT WRITE

SUBMITTED BY:  
JAMAL SHERZAI  
PROJECT MANAGER

CHECKED BY:

DESCRIPTION	BY	APPROVED	DATE	FILM
ORIGINAL	BM/EG		3/12/20	

ED	BOBAK MADGEDI PROJECT ENGINEER
	SEE SHEETS COORDINATE

CCS27 COORDINATE	
SEE SHEETS	
CCS83 COORDINATE	
CCS710 CCS 5-D	

	CC383 COORDINATE
-	38719-25-D

△G ADDITION OF MAX FLOW RATE IN DISCHARGE TABLE

# ADDENDUM G

BATCH DISCHARGE PLAN

LEGEND

- -----

○

○

△
- PROPOSED WATER MAIN

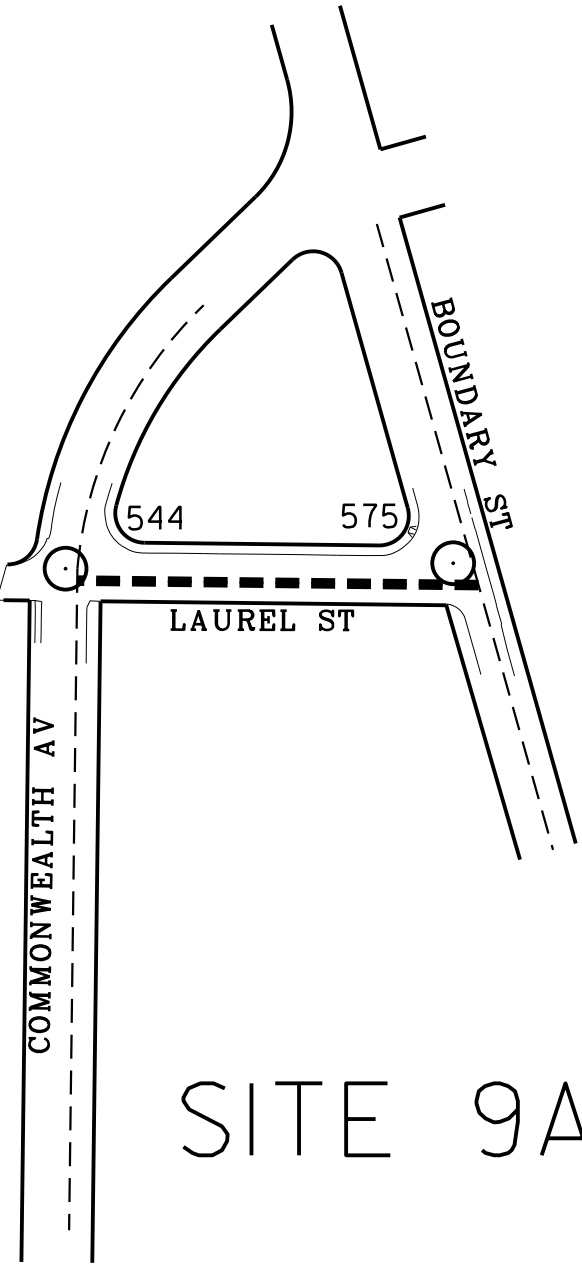
EXISTING WATER MAIN

EX MANHOLE

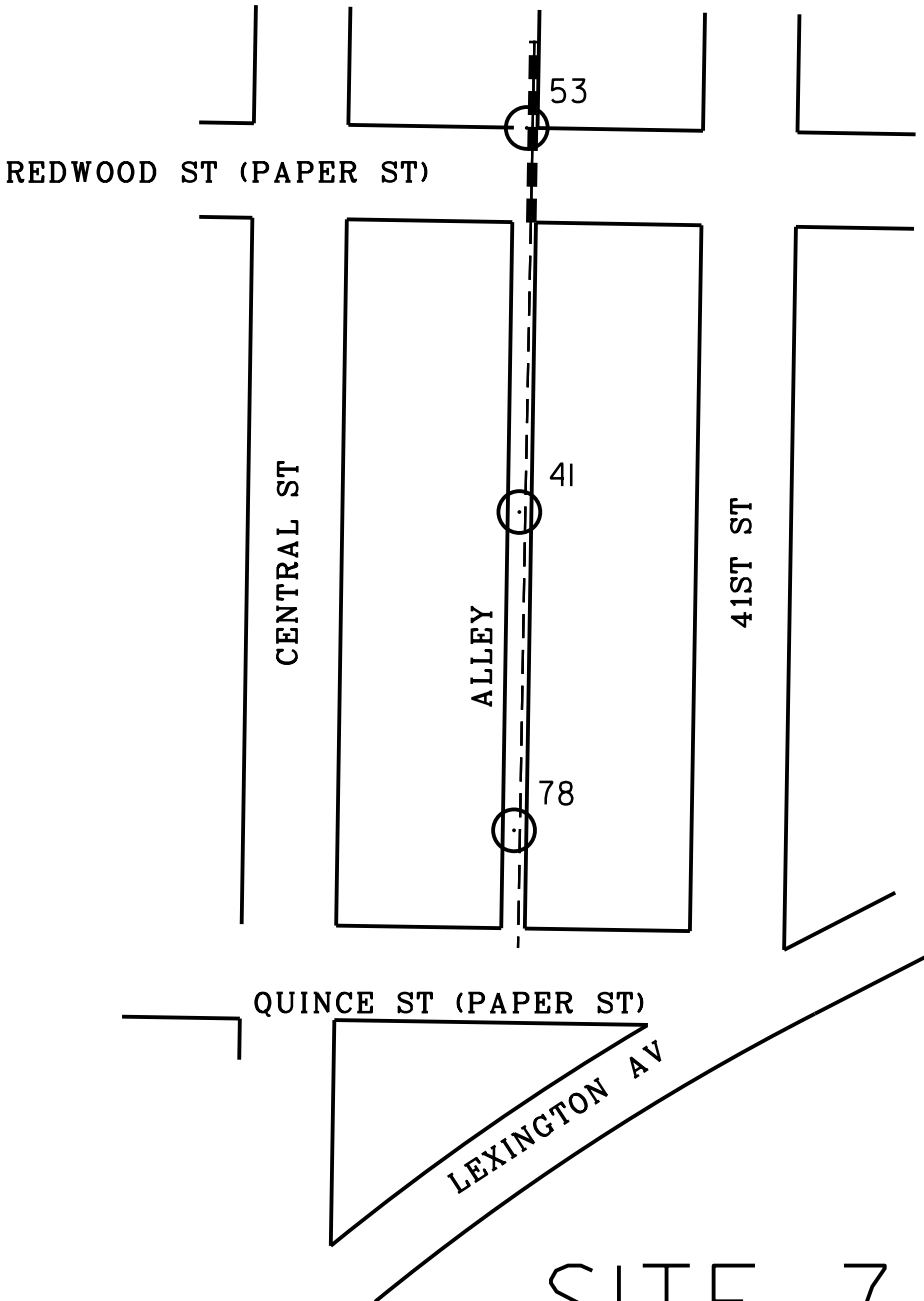
PROPOSED DISCHARGE LOCATION  
W/MANHOLE ID NO.

FSN FACILITY SEQUENCE NUMBER

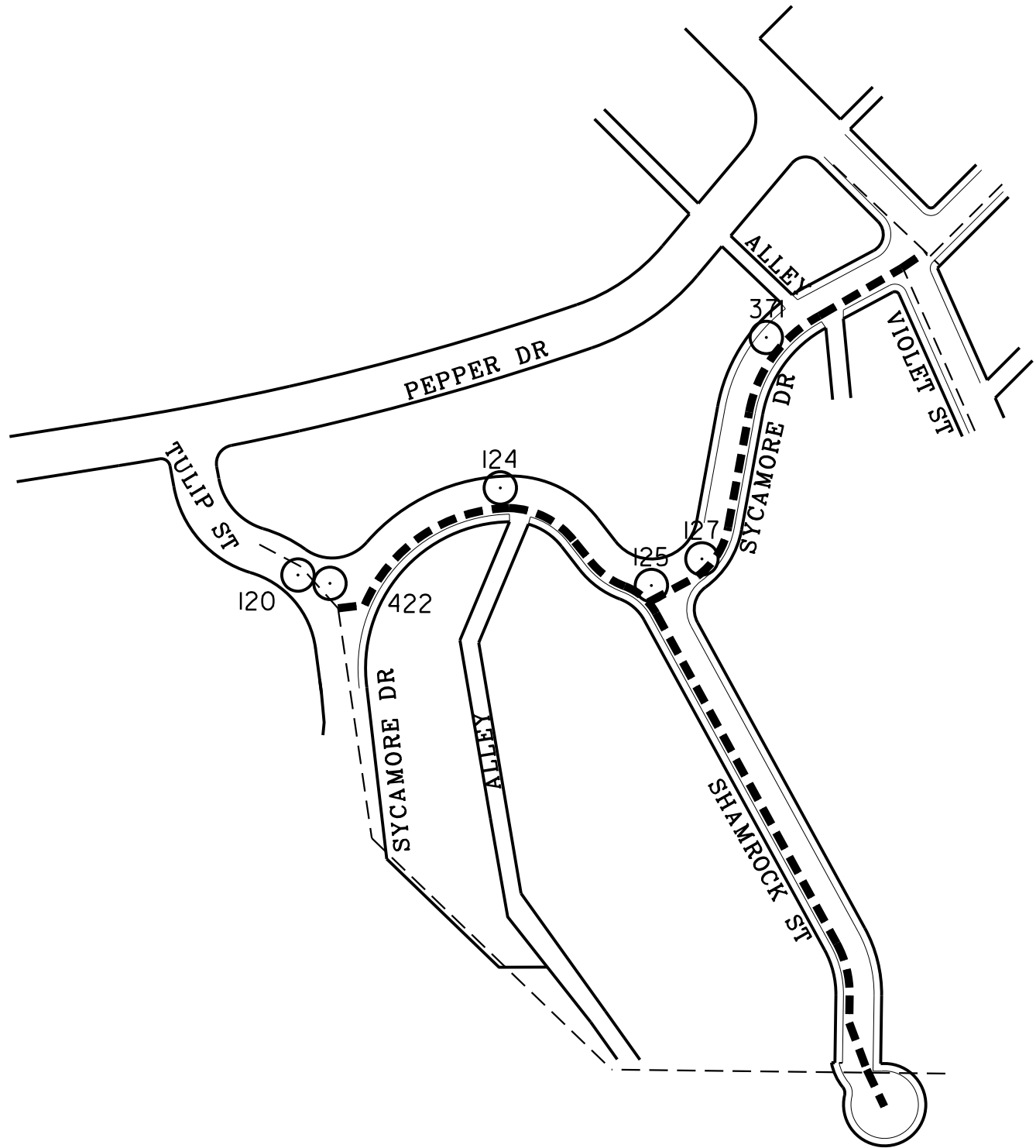
DISCHARGE TABLE			
STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
LAUREL ST	544	5638147	355
LAUREL ST	575	5640176	355
ALLEY	53	105859	1000
ALLEY	41	105847	1000
ALLEY	78	105871	1000
TULIP ST	120	105908	200
SYCAMORE DR	422	106187	200
SYCAMORE DR	124	105911	200
SYCAMORE DR	125	105912	100
SYCAMORE DR	127	105913	100
SYCAMORE DR	371	111851	100
SILVERGATE AVE	64	73885	230
SILVERGATE AVE	65	73886	230
KELLOGG DR	47	73868	250
KELLOGG DR	46	73867	250
KELLOGG WAY	36	73861	250
LAUREL ST	425	111899	770
45TH ST	426	111900	1000



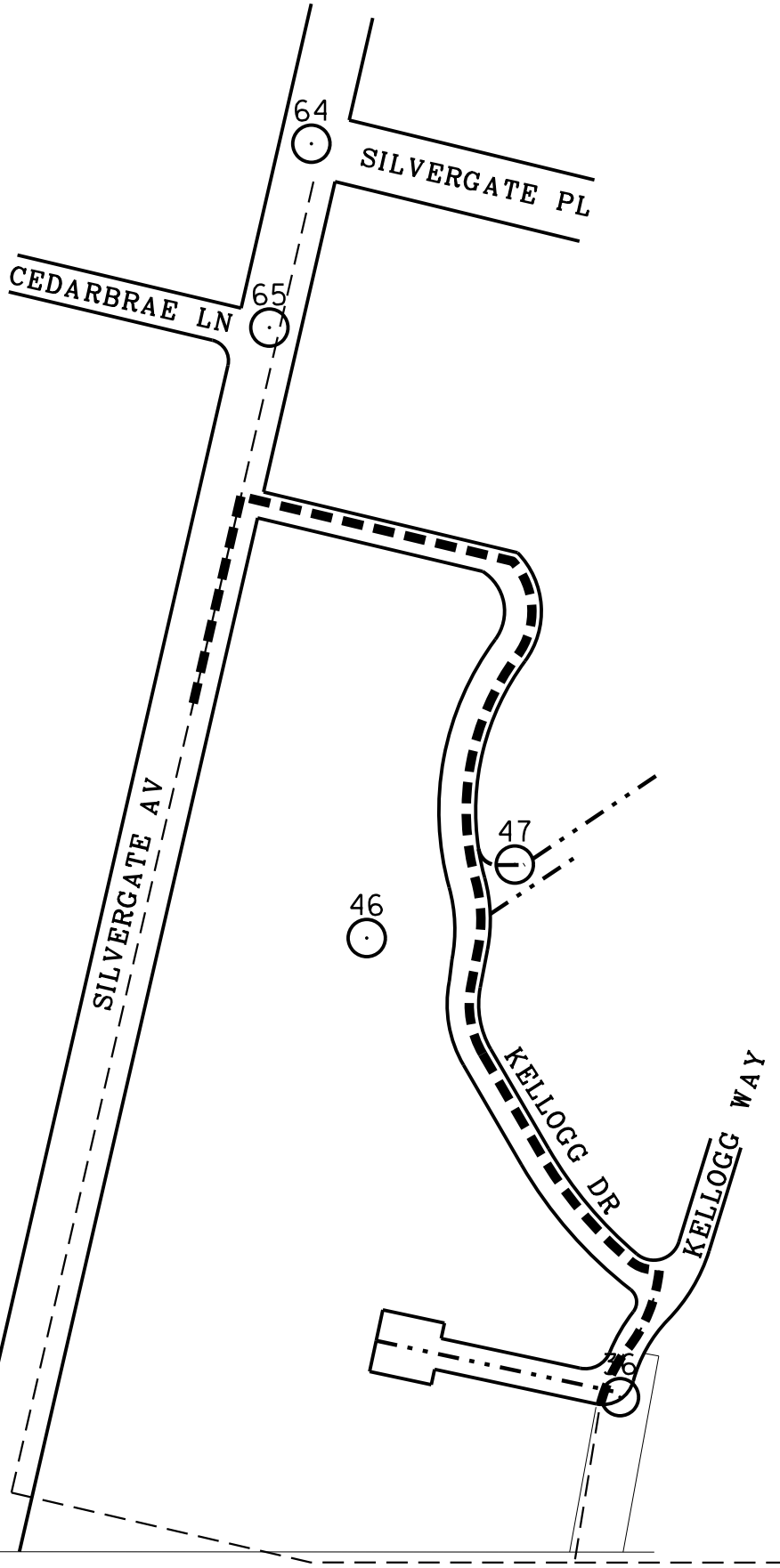
SITE 9A



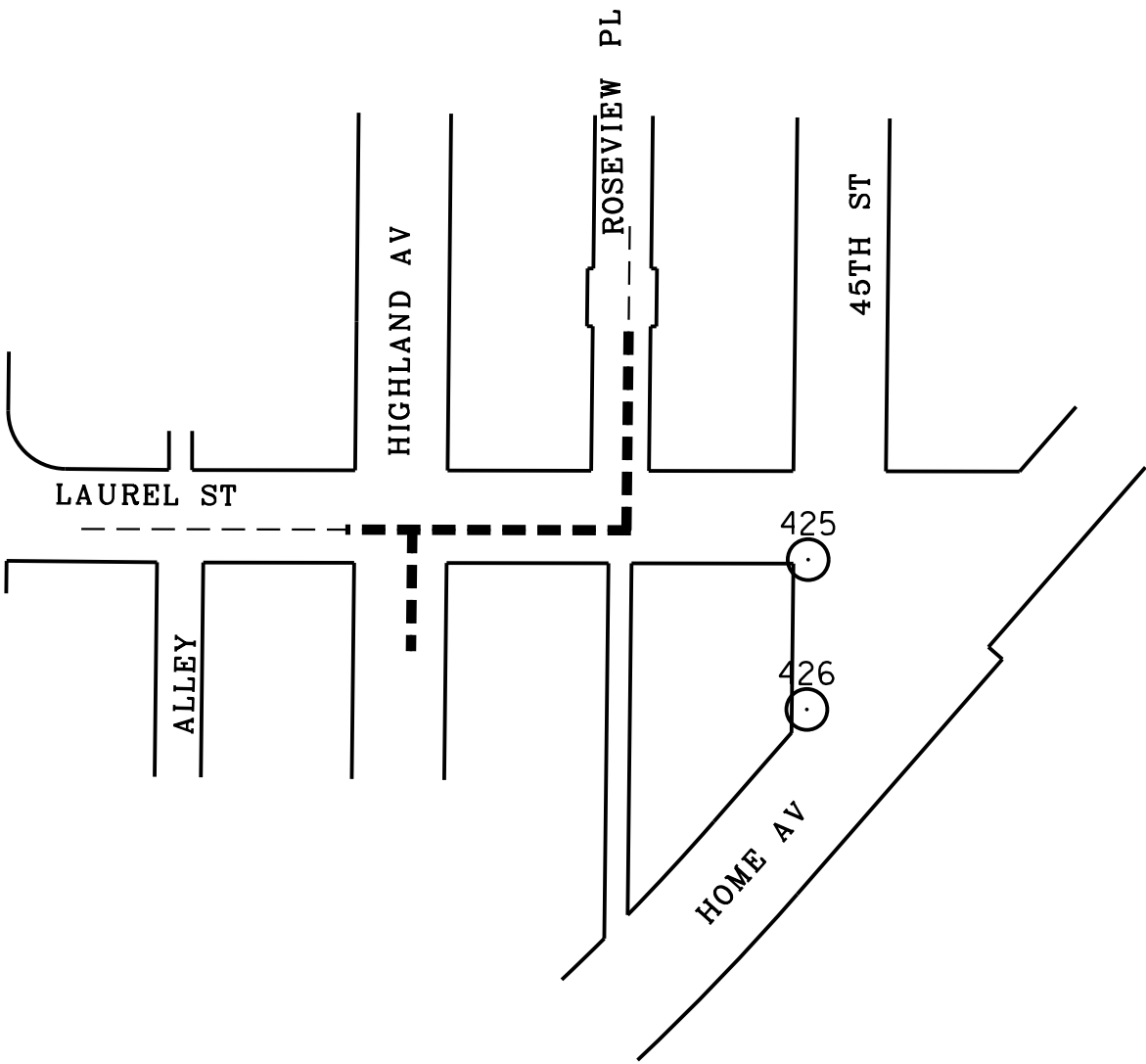
SITE 7



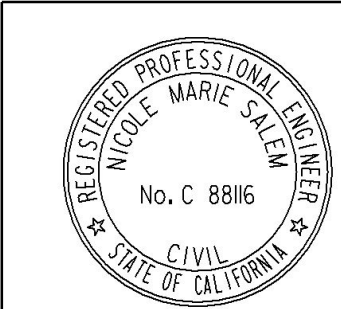
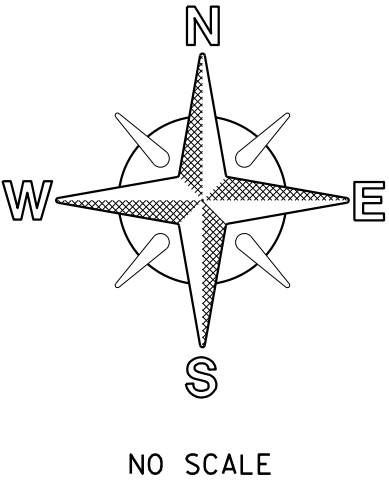
SITE 9C



SITE 2



SITE 8



CONTRACTOR	INSPECTOR	DATE STARTED	DATE COMPLETED

WATER AND STORM DRAIN GROUP 968

BATCH DISCHARGE PLAN

CITY OF SAN DIEGO, CALIFORNIA

PUBLIC WORKS DEPARTMENT

SHEET 26 OF 26 SHEETS

APPROVED: *Nicole Marie Salem*

FOR CITY ENGINEER

DATE: 03/12/2020

PRINT: DCE NAME: NICOLE SALEM

RCE#: C88116

WATER WBS: B-14099

SEWER WBS: B-15028

SUBMITTED BY: JAMAL SHERZAI

PROJECT MANAGER

CHECKED BY: BOBAK MADGEDI

PROJECT ENGINEER

DESCRIPTION

BY

APPROVED

DATE

FILMED

ORIGINAL

SA/BM

*Nicole Marie Salem*

3/12/20

ADDENDUM G

BM/SV

*Nicole Marie Salem*

7/1/20

SEE SHEETS

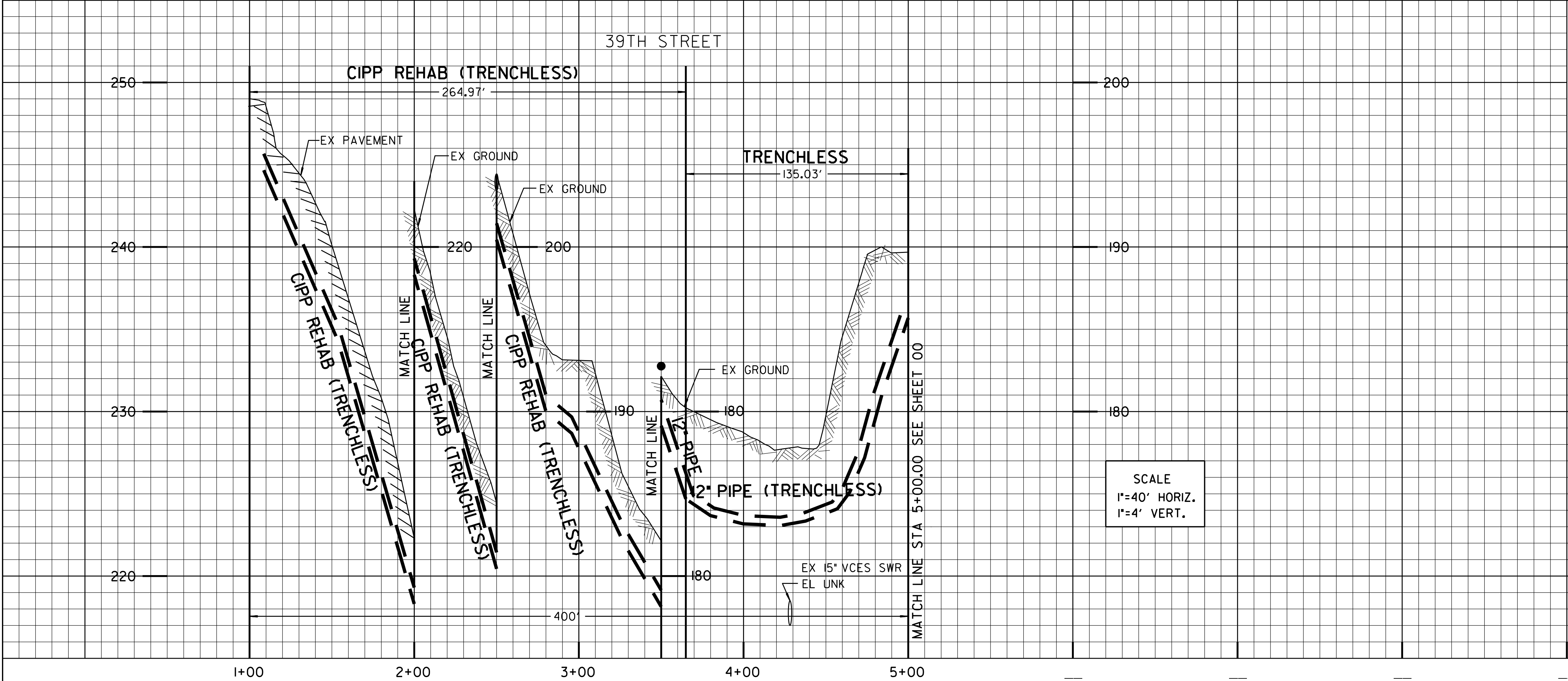
CCS27 COORDINATE

SEE SHEETS

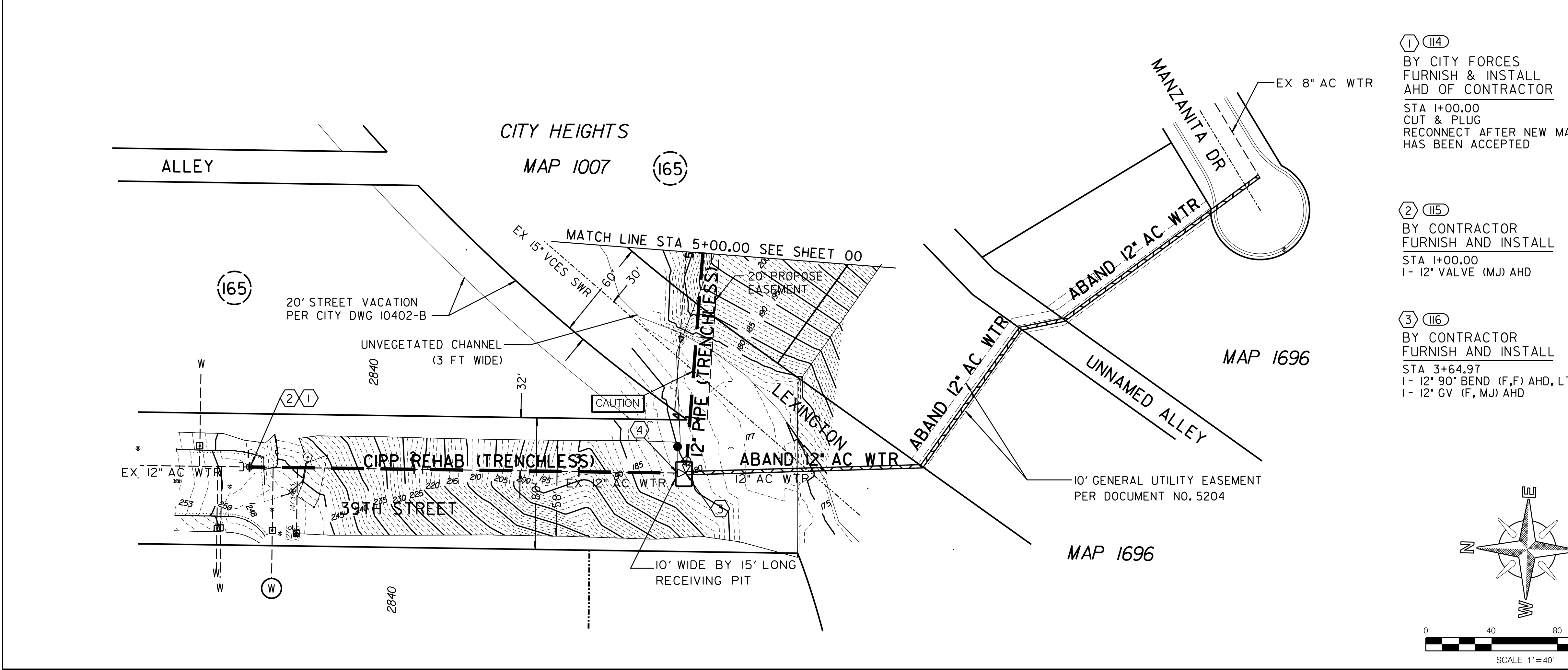
CCS83 COORDINATE

38719-26-D





Horizontal Alignment Name: 39th St				
Element: Linear	STATION	NORTHING	EASTING	
	POB (114)	1+00.00	1848436.31	6296552.02
Tangent Direction: 90° 49' 01.77"	PI (116)	3+64.97	1848432.54	6296816.97
	Tangent Length:	264.97		
Element: Linear	PI (116)	3+64.97	1848432.54	6296816.97
	POE (117)	4+99.03	1848566.20	6296827.24
Tangent Direction: 4° 23' 40.46"		Tangent Length: 134.06		



① 114  
BY CITY FORCES  
FURNISH & INSTALL  
AHD OF CONTRACTOR  
STA 1+00.00  
CUT & PLUG  
RECONNECT AFTER NEW MAIN  
HAS BEEN ACCEPTED

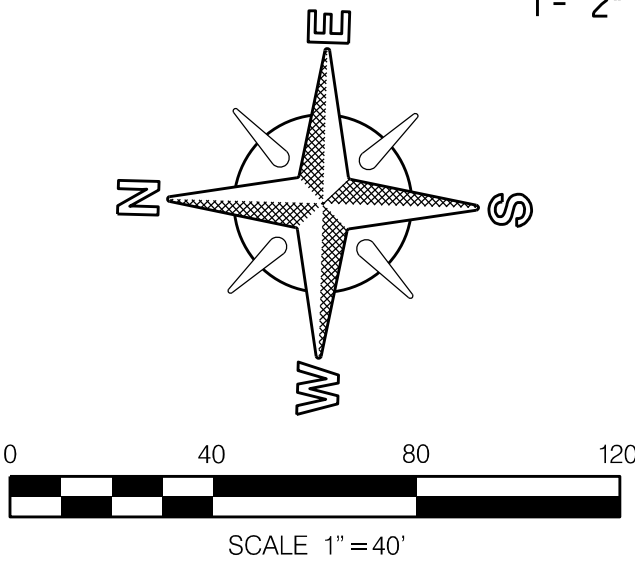
② 115  
BY CONTRACTOR  
FURNISH AND INSTALL  
STA 1+00.00  
1- 12" VALVE (MJ) AHD

③ 116  
BY CONTRACTOR  
FURNISH AND INSTALL  
STA 3+64.97  
1- 12" 90° BEND (F,F) AHD, LT  
1- 12" GV (F, MJ) AHD

④ 116  
BY CONTRACTOR  
FURNISH AND INSTALL  
STA 4+33.23  
1- 2" BLOW OFF

REFERENCE:  
WATER: 6169-0-W  
SEWER: 1665-0-D  
STORM DRAIN:  
GAS: 11190-L  
ELECTRIC: NONE  
CABLE TV: NONE  
TELEPHONE: NONE  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK:  
THOMAS BROS.:  
HGL: 536

RETIREMENTS:  
0" - MATERIAL - 0' - 1900  
0" - MATERIAL - 0' - 1900  
MH - 4X3 - 0 - 1900  
FH (2-PORT) - 0  
FH (3-PORT) - 0  
16" VALVE - 0 - 1900  
4" LATERAL - 0 - MATERIAL - 1900  
6" LATERAL - 0 - MATERIAL - 1900  
1" SERVICE - 0 - MATERIAL - 1900  
2" SERVICE - 0 - MATERIAL - 1900



WATER AND STORM DRAIN GROUP 968				
39TH STREET				
39TH STREET NORTH OF MANZANITA DR				
STA 1+00.00 TO 5+00.00				
CITY OF SAN DIEGO, CALIFORNIA			WATER WBS B-14099	
PUBLIC WORKS DEPARTMENT			SEWER WBS B-15028	
SHEET 27 OF 28 SHEETS			JAMAL SHERZAI PROJECT MANAGER	
FOR CITY ENGINEER NICOLE SALEM PRINT NAME			DATE	
RCE#			BOBAK MADGEDI PROJECT ENGINEER	
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	BM/EG			
208-1731 CCS27 COORDINATE			6292407-1848444 CCS83 COORDINATE	
CONTRACTOR			DATE STARTED	
INSPECTOR			DATE COMPLETED	

\$12345678901234567890123456789012345678901234567890\$

\$plot\$date\$time\$

\$user\$

SITE 12

100% DESIGN

39TH STREET

C-25





## INITIAL STUDY CHECKLIST

1. Project title/Project number: Water and Storm Water Group Job 968 ~~SDP~~ / 630996
2. Lead agency name and address: City of San Diego, 1222 First Avenue, MS-501, San Diego, California 92101
3. Contact person and phone number: Jamie Kennedy / (619) 446-5445
4. Project location: Work in Site 1 includes water main rehabilitation, replacement, abandonment, and new water mains between Manzanita Drive and 39th street in City Heights. Work in Site 2 includes water main replacement and abandonment, and new water service and new water main, located along and east of Silvergate Avenue, and along Kellogg Drive in Peninsula. Work in Site 3 includes water main replacement north of North Harbor Drive in the Reserve community, north of Harbor Island. Part of the water main construction will be trenchless and include two launching/receiving pits. Site 4 includes water main replacement and abandonment between Presidio Drive and Taylor Street in Old Town. Site 6 includes water main replacement in a parking area northwest of the I-15 and I-8 interchange, in Mission Valley. Site 7 involves water main replacement in an alley between Quince St and Redwood Street, east of Central Avenue, in City Heights. Site 8 involves replacement of water main and storm drain and construction of a cutoff wall south of Roseview Avenue and east of Laurel Street in City Heights. Site 9A involves water main replacement and abandonment located along Laurel Street and south of Juniper Street, between Commonwealth Avenue and Haller Street in Greater North Park. Site 9B involves slurry seal at two locations along Pentuckett Av and Haller St. Site 9C involves water main replacement and abandonment in City Heights along and south of Sycamore Drive, north of I-805. Site 11 includes water main replacement on Scimitar Drive in Encanto.

The project site is located within City Council Districts 2, 3, 4, 7, and 9. The project site is not included on any Government Code listing of hazardous waste sites. See attached Location Map.

5. Project Applicant/Sponsor's name and address: ~~Peter Fogec~~ Natalie DeFreitas, Associate Senior Planner, Engineering and Capital Projects Department, 525 B Street, San Diego, CA 92101
6. General/Community Plan designation: Old Town, Peninsula, Mission Valley, North Park, Mid-City – City Heights, and Southeastern - Encanto Community Plan Areas and within the San Diego Airport Boundary
7. Zoning: The majority of the project is located within previously developed right of way. Portions of the project are located adjacent to and within property zoned as residential, Old Town State Historic Park, commercial, and office. The project will not result in a change in any zone and is consistent with all underlying zoning regulations.
8. Description of project (Describe the whole action involved, including but not limited to, later phases of the project, and any secondary, support, or off-site features necessary for its implementation.):

The proposed project addresses necessary water and storm drain pipeline improvements within the City. Work includes the installation of about 8380 linear feet of 8", 12", and 16" water mains, and 193 linear feet of storm drain, as well as abandonment of 6,375 linear feet of 6", 8", and 12" water main. Appurtenances include cutoff walls, fire service connections and hydrants, and curb inlets.

Construction methods to be employed would consist of, but not be limited to:

**Open Trenching:** The open trench method of construction would be used for complete replacement and new alignment portions of the project. Trenches are typically four feet wide and are dug with excavations and similar large construction equipment.

**Rehabilitation:** Rehabilitation of alignment involves installing a new lining in old pipelines. The insertion is done through existing manhole access points and does not require removal of pavement or excavation of soils.

**Abandonment:** Pipeline abandonment activities would be similar to rehabilitation methods in that no surface/subsurface disturbance would occur. This process may involve slurry or grout material injected into the abandoned lines via manhole access. The top portion of the manhole is then typically removed and the remaining space backfilled and paved over.

**Potholing:** Potholing would be used to verify reconnection of laterals to main where lines would be raised or realigned (higher than existing depth, but still below ground) or to verify utility crossings. These "potholes" are made by using vacuum type equipment to open up small holes into the street of pavement.

**Point Repairs:** Point repairs include replacing a portion of a pipe segment by open trench excavation methods in which localized structural defects have been identified. Generally, point repairs are confined to an eight-foot section of pipe.

All associated equipment would be staged within the existing PROW adjacent to the work areas. Construction for the near-term and any future projects is anticipated to occur during the daytime hours Monday through Friday, but may occur during the weekend, if necessary.

The contractor would comply with all applicable requirements described in the latest edition of the *Standard Specifications for Public Works Construction ("GREENBOOK")* and the latest edition of the *City of San Diego Standard Specifications for Public Works Construction ("WHITEBOOK")*. The City's supplement addresses unique circumstances to the City of San Diego that are not addressed in the GREENBOOK and would therefore take precedence in the event of a conflict.

The contractor would also comply with the California Department of Transportation *Manual of Traffic Controls for Construction and Maintenance Work Zones*. If the Average Daily Traffic (ADT) within a given project(s) vicinity is 10,000 ADT or greater, a traffic control plan would be prepared and implemented in accordance with the *City of San Diego Standard Drawings Manual of Traffic Control for Construction and Maintenance Work Zones*. For proposals subject to 10,000 ADT or less, traffic control may be managed through shop drawings during construction.



9. Surrounding land uses and setting:

The proposed project includes a total of eleven sites. Six of the sites are located in urban areas primarily within developed right of way, in the neighborhoods of Old Town, North Park, City Heights, Encanto, and San Diego Airport Authority property.

In addition, five sites in the neighborhoods of Peninsula, Mission Valley, and City Heights propose work adjacent to and within Environmentally Sensitive Lands and studied in detail in the Biological Letter Report (BLR) prepared by Dudek (2018):

- (1) the north side of Camino del Rio North, just west of the I- 8 and I-15 intersection -
- (2) along Silvergate Avenue and extending east between Rehberg Road and Silvergate Place;
- (3) between the southern terminus of Roseview Place, Laurel Street, and Home Avenue; and
- (4) parallel to and east of Central Avenue;
- (5) between 39th Street, I-805, and Manzanita Drive (Figure 2A through Figure 2C, Vicinity Map).

All five sites studied in the BLR are vegetated with a mixed array of native and non-native ornamental vegetation associated with the urban setting. Given the urban setting, there is a fair amount of native habitat at all sites including Diegan coastal sage scrub, chamise chaparral, scrub oak chaparral, and southern willow scrub. The San Diego River is located north of the Camino del Rio North site, and there is a dry channel at the bottom of the canyon south of 39th Street and Central Avenue sites.

Current land uses within and immediately surrounding the proposed project include single and multifamily residential uses, commercial development, and traffic from I-8 and I-15.

10. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement):

The project requires a Coastal Development Permit from California Coastal Commission.

The following permits may be needed for the project:

- California Department of Fish and Wildlife (CDFW) 1602 Streambed Alteration Agreement
- US Army Corps of Engineers Clean Water Act Section 404 Permit
- Regional Water Quality Control Board Clean Water Act Section 401 Water Quality Certification

11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, has consultation begun?

Yes, two Native American Tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code Section 21080.3.1. The City of San Diego sent notification to these two Native American Tribes on March 24, 2020. Neither the Lipay Nation of Santa Ysabel nor the Jamul Indian Village responded within the 30-day period requesting consultation and additional information. Consultation was concluded on April 23, 2020 with both tribes. Please see Section XVII of the Initial Study for more information regarding the consultation.

Note: Conducting consultation early in the CEQA process allows tribal governments, lead agencies, and project proponents to discuss the level of environmental review, identify and address potential adverse impacts to tribal cultural resources, and reduce the potential for delay and conflict in the environmental review process. (See Public Resources Code section 21083.3.2.) Information may also be available from the California Native American Heritage Commission's Sacred Lands File per Public Resources Code section 5097.96 and the California Historical Resources Information System administered by the California Office of Historic Preservation. Please also note that Public Resources Code section 21082.3(c) contains provisions specific to confidentiality.



**ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:**

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Aesthetics                         | <input type="checkbox"/> Greenhouse Gas Emissions        | <input type="checkbox"/> Population/Housing                   |
| <input type="checkbox"/> Agriculture and Forestry Resources | <input type="checkbox"/> Hazards & Hazardous Materials   | <input type="checkbox"/> Public Services                      |
| <input type="checkbox"/> Air Quality                        | <input type="checkbox"/> Hydrology/Water Quality         | <input type="checkbox"/> Recreation                           |
| <input checked="" type="checkbox"/> Biological Resources    | <input type="checkbox"/> Land Use/Planning               | <input type="checkbox"/> Transportation/Traffic               |
| <input checked="" type="checkbox"/> Cultural Resources      | <input type="checkbox"/> Mineral Resources               | <input checked="" type="checkbox"/> Tribal Cultural Resources |
| <input type="checkbox"/> Energy                             | <input type="checkbox"/> Noise                           | <input type="checkbox"/> Utilities/Service System             |
| <input type="checkbox"/> Geology/Soils                      | <input type="checkbox"/> Mandatory Findings Significance | <input type="checkbox"/> Wildfire                             |

**DETERMINATION: (To be completed by Lead Agency)**

On the basis of this initial evaluation:

- ☐ The proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- ☒ Although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- ☐ The proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- ☐ The proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (a) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (b) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required.
- ☐ Although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or (MITIGATED) NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or (MITIGATED) NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

## EVALUATION OF ENVIRONMENTAL IMPACTS:

- 1) A brief explanation is required for all answers except “No Impact” answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A “No Impact” answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A “No Impact” answer should be explained where it is based on project specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis.)
- 2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
- 3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. “Potentially Significant Impact” is appropriate if there is substantial evidence that an effect may be significant. If there are one or more “Potentially Significant Impact” entries when the determination is made, an EIR is required.
- 4) “Negative Declaration: Less Than Significant With Mitigation Incorporated” applies where the incorporation of mitigation measures has reduced an effect from “Potentially Significant Impact” to a “Less Than Significant Impact.” The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from “Earlier Analyses”, as described in (5) below, may be cross-referenced).
- 5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or (mitigated) negative declaration. *Section 15063(c)(3)(D)*. In this case, a brief discussion should identify the following:
  - a. Earlier Analysis Used. Identify and state where they are available for review.
  - b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
  - c. Mitigation Measures. For effects that are “Less Than Significant With Mitigation Measures Incorporated”, describe the mitigation measures that were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
- 6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
- 7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
- 8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project’s environmental effects in whatever format is selected.
- 9) The explanation of each issue should identify:
  - a. The significance criteria or threshold, if any, used to evaluate each question; and
  - b. The mitigation measure identified, if any, to reduce the impact to less than significant.



Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

I. AESTHETICS – Would the project:

- |   |                          |                          |                                     |                          |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|
| a) Have a substantial adverse effect on a scenic vista? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|

The proposed project is would not have a substantial adverse effect on a scenic vista. While construction equipment would be visible on a temporary basis, the staging area and all construction equipment would be removed at the end of construction and the site would be returned to its present condition. Since there would be no permanent change in public vistas, the proposed project would have a less than significant impact to public scenic vistas and no mitigation would be required.

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| b) Substantially damage scenic resources, including but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

See answer to I. a.) above. In addition, the project would not damage any existing scenic rock outcroppings or historic buildings (see also V. a.) as none of these features are located within the boundaries of the proposed project. Furthermore, the project site is not located near a state scenic highway and would not remove any existing trees. No impact would occur.

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| c) Substantially degrade the existing visual character or quality of the site and its surroundings? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

See I. a) and I. b.) above. No impact would occur.

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| d) Create a new source of substantial light or glare that would adversely affect day or nighttime views in the area? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

The project does not include any new or modified light sources such as new or replacement street lights, and the project would not utilize highly reflective materials. In addition, no substantial sources of light would be generated during project construction, as construction activities would occur during daylight hours. The project would also be subject to the City's Outdoor Lighting Regulations per Municipal Code Section 142.0740. No impact would occur.

II. AGRICULTURAL AND FOREST RESOURCES: In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. – Would the project::

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Converts Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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Program of the California Resources Agency, to non-agricultural use?

The project site does not contain, and is not adjacent to, any lands identified as Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as show on maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resource Agency. Therefore, the project would not result in the conversion of such lands to non-agricultural use. No impacts would occur.

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| b) Conflict with existing zoning for agricultural use, or a Williamson Act Contract? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

See II. a) above. There are no Williamson Act Contract lands on or within the vicinity of the project site. The project is consistent with the existing land use and the underlying zone. The project does not conflict with any agricultural use. No impacts would result.

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 1220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

The project would not conflict with existing zoning for, or cause rezoning of, forest land, timberland, or timberland zoned Timberland Production. No designated forest land or timberland occur onsite. No impacts would result.

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| d) Result in the loss of forest land or conversion of forest land to non-forest use? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Refer to response II. c) above. Additionally, the project would not contribute to the conversion of any forested land to non-forest use, as surrounding land uses are built out residential or designated open-space areas containing native grasslands. No impacts would result.

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| e) Involve other changes in the existing environment, which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

No Impact. Refer to II. a.) and II. c) above.

- III. AIR QUALITY – Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied on to make the following determinations – Would the project:



Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The San Diego Air Pollution Control District (SDAPCD) and San Diego Association of Governments (SANDAG) are responsible for developing and implementing the clean air plan for attainment and maintenance of the ambient air quality standards in the San Diego Air Basin (SDAB). The County Regional Air Quality Strategy (RAQS) was initially adopted in 1991, was updated most recently in 2016. The RAQS outlines the SDAPCD's plans and control measures designed to attain the state air quality standards for ozone (O<sub>3</sub>). The RAQS relies on information from the California Air Resources Board (CARB) and SANDAG, including mobile and area source emissions, as well as information regarding projected growth in San Diego County and the cities in the county, to project future emissions and then determine the strategies necessary for the reduction of emissions through regulatory controls. CARB mobile source emission projections and SANDAG growth projections are based on population, vehicle trends, and land use plans developed by San Diego County and the cities in the county as part of the development of their general plans.

The RAQS relies on SANDAG growth projections based on population, vehicle trends, and land use plans developed by the cities and by the county as part of the development of their general plans. As such, projects that propose development that is consistent with the growth anticipated by local plans would be consistent with the RAQS. However, if a project proposes development that is greater than that anticipated in the local plan and SANDAG's growth projections, the project might be in conflict with the RAQS and may contribute to a potentially significant cumulative impact on air quality.

The project is consistent with the General Plan, Mission Beach Community Plan and the underlying Zoning designation for development. Therefore, the project would be Consistent at a sub-regional level with the underlying growth forecasts in the RAQS, and would not obstruct implementation of the RAQS. As such, any impacts would be less than significant.

b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--	--------------------------	--------------------------	-------------------------------------	--------------------------

#### Short-term Emissions (Construction)

Project construction activities would potentially generate combustion emissions from on-site heavy duty construction vehicles and motor vehicles transporting the construction crew and necessary construction materials. Exhaust emissions generated by construction activities would generally result from the use of typical construction equipment that may include excavation equipment, forklift, skip loader, and/or dump truck. Variables that factor into the total construction emissions potentially generated include the level of activity, length of construction period, number of pieces and types of equipment in use, site characteristics, weather conditions, number of construction personnel, and the amount of materials to be transported on or off-site. It is anticipated that construction equipment would be used on-site for four to eight hours a day; however, construction would be short-term and impacts to neighboring uses would be minimal and temporary.

Fugitive dust emissions are generally associated with land clearing and grading operations. Due to the nature and location of the project, construction activities are expected to create minimal fugitive

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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dust, as a result of the disturbance associated with grading. Construction operations would include standard measures as required by the City of San Diego to reduce potential air quality impacts to less than significant. Therefore, impacts associated with fugitive dust are considered less than significant and would not violate an air quality standard or contribute substantially to an existing or projected air quality violation. Impacts related to short term emissions would be less than significant.

#### Long-term Emissions (Operational)

Long-term air emission impacts are those associated with stationary sources and mobile sources related to any change caused by a project. The project is the replacement of existing infrastructure and is not expected to produce stationary source emissions. The project is compatible with the surrounding development and is permitted by the community plan and zone designation. Based on the land use, project emissions over the long-term are not anticipated to violate any air quality standard or contribute substantially to an existing or projected air quality violation. Impacts would be less than significant.

Overall, the project is not expected to generate substantial emissions that would violate any air quality standard or contribute to an existing or projected air quality violation; therefore, impacts would be less than significant, and no mitigation is required.

c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
---	--------------------------	--------------------------	-------------------------------------	--------------------------

As described above in response III. b), construction operations may temporarily increase the emissions of dust and other pollutants. However, construction emissions would be temporary and short-term in duration. Implementation of Best Management Practices (BMP's) would reduce potential impacts related to construction activities to a less than significant level. Therefore, the project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under applicable federal or state ambient air quality standards. Impacts would be less than significant, and no mitigation is required.

d) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
---	--------------------------	--------------------------	-------------------------------------	--------------------------

#### Short-term (Construction)

Odors would be generated from vehicles and/or equipment exhaust emissions during construction of the project. Odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment and architectural coatings. Such odors are temporary and generally occur at magnitudes that would not affect a substantial number of people. Therefore, impacts would be less than significant.

#### Long-term (Operational)

The replacement of infrastructure is not expected to generate odors.



Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

#### IV. BIOLOGICAL RESOURCES – Would the project:

- |   |                          |                                     |                          |                          |
|---|--------------------------|-------------------------------------|--------------------------|--------------------------|
| a) Have substantial adverse effects, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|---|--------------------------|-------------------------------------|--------------------------|--------------------------|

A Biological Resources Letter Report for the Water and Storm Group 968 was prepared by Dudek May 14, 2018 (2018 BLR), and an addendum to the Biological Resource Letter (2019 BLR Addendum) was prepared by Engineering and Capital Projects Department biologist, Maya Mazon August 12, 2019, to address major comments provided by DSD and MSCP during CEQA and SDP review. These reports analyzed the impacts of the proposed project on the biological resources located in the vicinity of the project.

#### Vegetation Communities

The 2020 BLR Addendum indicates that the project proposes to impact 0.009 acres inside the MHPA and 0.106 acres outside of the MHPA. All impacts are to upland habitat; no impacts to City jurisdictional wetlands are proposed. These impacts would be mitigated based on the City's mitigation ratios for mitigation land within the MHPA at Canyon View, an existing City of San Diego Public Utilities Department mitigation site. Habitat mitigation incorporated into the Mitigation, Monitoring and Reporting Program for this project by reference in Section V of this MND and would reduce to below a level of significance.

#### Special Status Species

Per the 2018 BLR and 2020 BLR addendum, Nuttall's scrub oak (*Quercus dumosa*) overlaps the work areas in Site 8 (Site 10 of the BLR) (4 individuals). The project proposes to directly impact 4 individuals of the 73 individuals observed. Four individuals would constitute approximately 5% of the present population and is not anticipated to significantly affect the population at this location. Impacts to special status plants would be less than significant.

No special-status wildlife species were detected; however, there is moderate or high potential for orange-throated whiptail, San Diegan tiger whiptail, Blainville's horned lizard, coast patch-nosed snake (*Salvadora hexalepis virgulata*), Southern California rufous-crowned sparrow, Dulzura pocket mouse, northwestern San Diego pocket mouse (*Perognathus fallax fallax*), and San Diego desert woodrat to occur in the study area. These species are found in San Diego County and there is suitable habitat in the study area. Due to the site's proximity to urban development and the limited size of the suitable foraging and nesting habitat, direct impacts to all habitat for these special-status wildlife species are not considered significant (Appendix D). Potential coastal California gnatcatcher habitat would be temporarily impacted.

Although raptor species have the potential to occur in the study area, land within the impact footprint is highly urbanized or disturbed and does not provide important habitat that would

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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substantially affect any species from continuing to exist within the area. Species-specific mitigation incorporated into the Mitigation, Monitoring and Reporting Program for this project by reference in Section V of this MND and would reduce to below a level of significance.

- |  |                          |                          |                                     |                          |
|--|--------------------------|--------------------------|-------------------------------------|--------------------------|
| b) Have a substantial adverse effect on any riparian habitat or other community identified in local or regional plans, policies, and regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|--|--------------------------|--------------------------|-------------------------------------|--------------------------|

Site 3 (labelled as Site 12 in the Biological Resources Letter Report for the Water and Storm Group 968 dated May 14, 2018) includes work in a streambed, a seasonal drainage feature that lacks wetland-dependent vegetation, which does not meet the definition of a City riparian habitat or wetland. The channel is considered an unvegetated streambed under the jurisdiction of USACE, RWQCB, and CDFW pursuant to Sections 401 and 404 of the federal CWA and Sections 1600–1607 of the California Fish and Game Code, however the feature is not riparian habitat or a wetland. No direct impacts would occur, and through compliance with state and federal regulation, potential indirect and cumulative impacts to riparian habitat and wetlands would be less than significant.

- |  |                          |                          |                                     |                          |
|--|--------------------------|--------------------------|-------------------------------------|--------------------------|
| c) Have a substantial adverse effect on federally protected wetlands as defined by section 404 of the Clean Water Act (including but not limited to marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|--|--------------------------|--------------------------|-------------------------------------|--------------------------|

No direct impacts to jurisdictional wetlands would occur. See also IV. b).

- |  |                          |                          |                                     |                          |
|--|--------------------------|--------------------------|-------------------------------------|--------------------------|
| d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|--|--------------------------|--------------------------|-------------------------------------|--------------------------|

Per the project's BLR and BLR Addendum, no direct impacts to wildlife corridors are anticipated. No fencing (except silt fencing BMP's per the project Landscape Plans) or permanent barriers are required or proposed in wildlife areas.

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

The project has been reviewed by City MSCP staff and the discipline has no remaining issues regarding compliance with the MSCP. The project does not conflict with City's MSCP Subarea Plan.



Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Please see IV E). The project does not conflict with any other local, regional, or state habitat conservation Plan.

V. CULTURAL RESOURCES – Would the project:

a) Cause a substantial adverse change in the significance of an historical resource as defined in §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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The purpose and intent of the Historical Resources Regulations of the Land Development Code (Chapter 14, Division 3, and Article 2) is to protect, preserve and, where damaged, restore the historical resources of San Diego. The regulations apply to all proposed development within the City of San Diego when historical resources are present on the premises. Before approving discretionary projects, CEQA requires the Lead Agency to identify and examine the significant adverse environmental effects which may result from that project. A project that may cause a substantial adverse change in the significance of a historical resource may have a significant effect on the environment (sections 15064.5(b) and 21084.1). A substantial adverse change is defined as demolition, destruction, relocation, or alteration activities, which would impair historical significance (sections 15064.5(b)(1)). Any historical resource listed in, or eligible to be listed in the California Register of Historical Resources, including archaeological resources, is considered to be historically or culturally significant.

#### Archaeological Resources

Many areas of San Diego County, including mesas and the coast, are known for intense and diverse prehistoric occupation and important archaeological resources. The region has been inhabited by various cultural groups spanning 10,000 years or more. The project site is located on the City of San Diego's Historical Resources Sensitivity map.

The project is replacement, rehabilitation, construction, and abandonment of water and storm drain infrastructure. Although the proposed project is mainly within the existing disturbed right-of-way the potential to disturbed native soil does exist in Site 1 and Site 2. EAS consulted with qualified City archaeologist staff, who determined that archaeological monitoring would be required at in areas of open trenching in sensitive areas. Site 1 was visited on March 20, 2020, and staff's archaeologist determined that no monitoring would be required, and no archaeological report would be required. Monitoring was determined to be required at Site 2.

Based on the preceding analysis, there is a potential for the project to impact archaeological resources and mitigation is required. All potential impacts related to the presence of archeological resources at the site would be reduced and addressed through the purview of a qualified Archaeological and Native American monitor. Monitoring would occur at all stages of ground-disturbing activities at the site. The MMRP listed in this MND would be implemented to address impacts to cultural resources; potential impacts would be reduced to less than significant.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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### Built Environment

The project is listed in a local register of historical resources. Site 4 is located within Presidio Park, which was designated by the San Diego Historical Resources Board (HRB) as Site #240. In Site 4, the replace-in-place portion is entirely outside of the Presidio Park. Inside Presidio Park, the work is exclusively abandonment. The only ground disturbance involved would be to cut the pipe and plug the ends where the alignment goes under Jackson Street. The cut and plug work would occur in the existing trench that was created when the pipeline was originally installed.

The proposed abandonment was reviewed by DSD Historical staff and determined to comply with the U.S. Secretary of the Interior's Standards. Therefore, the project's impact on the designated historical resource is less than significant, and no additional mitigation measures would be required.

- |   |                          |                                     |                          |                          |
|---|--------------------------|-------------------------------------|--------------------------|--------------------------|
| b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|---|--------------------------|-------------------------------------|--------------------------|--------------------------|

Refer to response V. a) above.

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|---|--------------------------|--------------------------|-------------------------------------|--------------------------|
| c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|

The replacement, rehabilitation, abandonment, and replacement of water and storm drain infrastructure would not exceed the City of San Diego's significance threshold for potential impacts to paleontological resources. Compliance with San Diego Municipal Code section 142.0151 will ensure project impacts to paleontological resources are less than significant. Therefore, the project would have a less than significant impact on unique paleontological resources and no mitigation is required.

- |   |                          |                                     |                          |                          |
|---|--------------------------|-------------------------------------|--------------------------|--------------------------|
| d) Disturb and human remains, including those interred outside of dedicated cemeteries? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|---|--------------------------|-------------------------------------|--------------------------|--------------------------|

The MMRP of the MND shall contain provisions for the discovery of human remains. If human remains are discovered, work shall halt in that area and no soil shall be exported off-site until a determination can be made regarding the provenance of the human remains; and the following procedures as set forth in CEQA Section 15064.5(e), the California Public Resources Code (Sec. 5097.98) and State Health and Safety Code (Sec. 7050.5) shall be undertaken. Based upon the required mitigation measure impacts would be less than significant.

### VI. ENERGY – Would the project:

- |   |                          |                          |                                     |                          |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|
| a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|



Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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During project construction, the Air Resources Board regulates idling for commercial motor vehicles to reduce unnecessary consumption of energy under 13 CCR § 2485, Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling. Locally, Administrative Regulation 90.72 Motive Equipment Idling Reduction Policy applies to all City employees operating motive equipment owned or leased by the City of San Diego, which states idling of motive equipment shall be prohibited unless "mission necessary". Through implementation of these measures, energy consumption during construction would be less than significant.

The replacement, rehabilitation, abandonment, and replacement of water and storm drain infrastructure would result in minimal energy utilization during operation. Energy usage may incrementally increase at local pump stations, but no work would occur at pump stations as a result of the project. Energy impacts, if any, would be minimal and less than significant. No mitigation is required.

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

The project is consistent with the General Plan and Community Plan's underlying land use and zoning designations, and appropriately implements the Climate Action Plan checklist. See also section VIII, Greenhouse Gas Emissions. Because the project does not conflict with or obstruct the Climate Action Plan, no impact would occur.

#### VII. GEOLOGY AND SOILS – Would the project:

- |  |                          |  |                                     |                          |
|--|--------------------------|--|-------------------------------------|--------------------------|
| a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:   |                          |  |                                     |                          |
| i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42. | <input type="checkbox"/> |  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

The project is not located within an Alquist-Priolo Fault Zone. Per the Preliminary Geological Hazards Study prepared by Twining Geotechnical February 12, 2020 and Preliminary Geotechnical Investigation City of San Diego Task 15GT15 – Manzanita Canyon Water and Storm Drain Group 968, prepared September 28, 2018, only Site 1 in Old Town (Site 4 on plans) is located on a known active or potentially active fault, although Site 1 (Site 4 on plans) has not yet been mapped within a designated State Earthquake Fault Hazard Special Studies Zone.

Based upon the projection of the active Rose Canyon Fault strand through Site 1 in Old Town, now labeled Site 4 on project plans, during construction the Geotechnical Investigations recommend that a Certified Engineering Geologist monitor the excavations of the future water main replacement to confirm the existence or non-existence of faults and/or active faults that may cross the project.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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The following condition would apply to the ~~plans site development permit~~. The Old Town location (Site 4) is located in the City of San Diego's Geologic Hazard Categories 12 and 31. Because the proposed work at this site is located across a known active or potentially active fault and has a potential for fault displacement and liquefaction, a Certified Engineering Geologist shall monitor the excavations for the water main replacement at this site to confirm the existence or non-existence of faults that may cross the project. If faulting is encountered, the risks associated with fault displacement and any design mitigation measures should be addressed at that time. Because monitoring would be a condition of the ~~plans Site Development Permit~~, no additional mitigation would be required.

The project area may be subject to strong ground shaking in the event of an earthquake; However, this hazard is common to Southern California and the effects on the proposed project can be mitigated if the improvements are designed and constructed in accordance with current engineering practice and building codes. The project would be required to comply with seismic requirement of the California Building Code, utilize proper engineering design and utilization of standard construction practices, to be verified by the City Engineer, in order to ensure that potential impacts based on regional geologic hazards would remain less than significant. Mitigation is not required.

ii) Strong seismic ground shaking? ☐ ☐ ☒ ☐

The site could be affected by seismic activity as a result of earthquakes on major active faults located throughout the Southern California area. The project would utilize proper engineering design and utilization of standard construction practices, to be verified at the building permit stage, to ensure that potential impacts from regional geologic hazards would remain less than significant.

iii) Seismic-related ground failure, including liquefaction? ☐ ☐ ☒ ☐

Liquefaction occurs when loose, unconsolidated, water-laden soils are subject to shaking, causing the soils to lose cohesion. Implementation of the project would not result in an increase in the potential for seismic-related ground failure, including liquefaction. Impacts would be less than significant.

iv) Landslides? ☐ ☐ ☒ ☐

Implementation of the project would not exacerbate the risk of exposure or exacerbate the adverse effects of a landslide. Post-construction, all areas of vegetation removal would require revegetation in accordance with the City's Landscape Standards. Through implementation of sediment control BMP's and revegetation, impacts would be less than significant.

b) Result in substantial soil erosion or the loss of topsoil? ☐ ☐ ☒ ☐

Implementation of the project would not result in substantial soil erosion or the loss of topsoil. Although trenching is proposed, the project would implement on-site BMPs, therefore ensuring that



Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
substantial erosion or loss of topsoil would not occur. Post-construction, all areas of vegetation removal would require revegetation in accordance with the City's Landscape Standards.				
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Per the project's Geotechnical Investigations, the following geologic impacts may occur, and project conditions would be implemented.

#### Landslide

The City of San Diego Seismic Safety Study and the State of California prepared and classify landslides and landslide susceptibility maps. The State utilizes a scale of 1 (Least Susceptible) to 4-2 (Most Susceptible). None of the individual sites are located within a mapped landslide or high susceptible landslide zone. In the Response to City of San Diego LDR-Geology Environmental Review City Project No. 630996; Cycle 5 dated August 21, 2020, the project's geotechnical consultant provided a professional opinion that the sites are "adequately stable" with the incorporation of recommendations in terms of gross and surficial stability following project completion. Recommendations include constructing proposed cut off walls per SDS-115 perpendicular to steep slopes, and any zones of potential instability, sloughing or raveling should be brought to the attention of the Engineer and corrective action implemented before personnel begin working in the excavation. With the incorporation of these recommendations, impacts from landslides would be less than significant.

#### Lateral Spreading

Ground lurching, differential and lateral spread displacement can occur during a seismic event. Site 1 (Site 4 on plans) is located on a known active or potentially active fault. The project condition to include geotechnical monitoring would reduce the potential for impacts to less than significant, and no mitigation would be required.

#### Subsidence and Liquefaction

Sites 1, 2 and 5 (Sites 4, 3, and 6 on plans) are located within mapped liquefaction hazard zones. Site 1 (Site 4 on plans) could be subject to direct surface fault rupture, ground shaking and liquefaction from an earthquake. Potential shallow groundwater and alluvial soils may subject the improvements to earthquakes and liquefaction that could cause geologic instability for Site 1 (Site 4 on plans). Site 2 (Site 3 on plans) could be subject to ground shaking and liquefaction from an earthquake. Potential groundwater, man-made hydraulic fills, and underlying alluvial/ estuarine soils may subject the improvements to earthquakes and liquefaction that could cause geologic instability for Site 2 (Site 3 on plans). Site 5 (Site 6 on plans) could be subject to ground shaking and liquefaction from an earthquake. Potential groundwater, man-made fills and underlying alluvial soils may subject the improvements to earthquakes and liquefaction that could cause geologic instability for Site 5 (Site 6 on plans).

Site 7 (Site 7 on plans) includes a natural canyon on the north end, a resistant ridge in the central portion and a steep slope with debris into a natural canyon at the south end. These conditions may

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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subject the improvements to unknown geologic instability for Site 7, if subsurface geologic conditions are not verified. Because the proposed improvements at this site may be subject to unknown geologic instability due to possible debris at the design depth within the slope, a Certified Engineering Geologist must monitor the excavations for the water main replacement at this site to confirm the suitability of the soils in the exposed trench to support the improvements and, if necessary, provide design mitigation measures at that time. Monitoring shall be implemented at Site 7 per the design plans and project design measures would ensure ~~be a condition of the development permit, reducing~~ impacts are to less than significant. No mitigation under would be required.

- |  |                          |                          |                                     |                          |
|--|--------------------------|--------------------------|-------------------------------------|--------------------------|
| d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|--|--------------------------|--------------------------|-------------------------------------|--------------------------|

Proper engineering design and utilization of standard construction practices would ensure that the potential for impacts would be less than significant.

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

No septic or alternative wastewater systems are proposed since the scope of the project is limited to water and storm drain infrastructure

#### VIII. GREENHOUSE GAS EMISSIONS – Would the project:

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|---|--------------------------|--------------------------|-------------------------------------|--------------------------|
| a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|

The construction of the project is consistent with the land use and designated zone and would not be expected to have a significant impact related to greenhouse gases.

In December 2015, the City adopted a Climate Action Plan (CAP) that outlines the actions that City will undertake to achieve its proportional share of State greenhouse gas (GHG) emission reductions. The purpose of the Climate Action Plan Consistency Checklist (CAP Checklist) is to, in conjunction with the CAP, provide a streamlined review process for proposed new development projects that are subject to discretionary review and trigger environmental review pursuant to the California Environmental Quality Act (CEQA).

Analysis of GHG emissions and potential climate change impacts from new development is required under CEQA. The CAP is a plan for the reduction of GHG emissions in accordance with CEQA Guidelines Section 15183.5. Pursuant to CEQA Guidelines Sections 15064(h)(3), 15130(d), and 15183(b), a project's incremental contribution to a cumulative GHG emissions effect may be determined not to be cumulatively considerable if it complies with the requirements of the CAP.



Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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This Checklist is part of the CAP and contains measures that are required to be implemented on a project-by-project basis to ensure that the specified emissions targets identified in the CAP are achieved. Implementation of these measures would ensure that new development is consistent with the CAP's assumptions for relevant CAP strategies toward achieving the identified GHG reduction targets. Projects that are consistent with the CAP as determined through the use of this Checklist may rely on the CAP for the cumulative impacts analysis of GHG emissions. Projects that are not consistent with the CAP must prepare a comprehensive project-specific analysis of GHG emissions, including quantification of existing and projected GHG emissions and incorporation of the measures in this Checklist to the extent feasible. Cumulative GHG impacts would be significant for any project that is not consistent with the CAP.

The proposed project does not result in new occupancy buildings from which GHG emissions reductions could be achieved, so Step 2 of the Checklist is not required to complete per footnote 5. The proposed project will have a less-than-significant impact on the environment, either directly or indirectly, because the proposed project is consistent with the existing General Plan and Community Plan underlying land use and zoning designations.

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| b) Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
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Refer to VIII. a). Because the project does not conflict with or obstruct the Climate Action Plan, no impact would occur.

IX. HAZARDS AND HAZARDOUS MATERIALS – Would the project:

- |   |                          |                          |                                     |                          |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|
| a) Create a significant hazard to the public or the environment through routine transport, use, or disposal of hazardous materials? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|

Construction activities for the project would involve the use of potentially hazardous materials including vehicle fuels, oils, transmission fluids, paint, adhesives, surface coatings and other finishing materials, cleaning solvents, and pesticides for landscaping purposes. However, the use of these hazardous materials would be temporary, and all potentially hazardous materials would be stored, used, and disposed of in accordance with manufacturers' specifications, applicable federal, state, and local health and safety regulations. As such, impacts associated with the transport, use, or disposal of hazardous materials would be less than significant during construction.

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|---|--------------------------|--------------------------|-------------------------------------|--------------------------|
| b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|

The City's Environmental Analysis Section (EAS) staff performed a search on the State of California Geotracker database for potentially hazardous conditions. One site, Site 2 on Kellogg Dr, is located north of a former Naval Radio & Fuel Depot. EAS consulted with the State Department of Toxic

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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Substances Control (DTSC) and U.S. Army Corps of engineers, who found the site was used for Underground Storage Tanks.

Construction of the project may have the potential to traverse properties which could contain Leaking Underground Storage Tank (LUST) cleanup sites, permitted UST's, or contaminated site; however, in the event that construction activities encounter underground contamination, the contractor would be required to implement section 7-22 of the City's "WHITEBOOK" for "ENCOUNTERING OR RELEASING HAZARDOUS SUBSTANCES" of the *City of San Diego Standard Specifications for Public Works Construction* which is included in all construction documents and would ensure the proper handling and disposal of any contaminated soils in accordance with all applicable local, state, and federal regulations. Compliance with these requirements would minimize the risk to the public and the environment; therefore, impacts would remain less than significant.

See also response IX. a) above.

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|---|--------------------------|--------------------------|-------------------------------------|--------------------------|
| c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|

The proposed project would not emit hazardous emissions or involve handling acutely hazardous materials, substances, or waste. See also response to VIII a) and b).

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|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code section 65962.5 and, as a result, would it create a significant hazard to the public or the environment? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

See response to VIII. b). Per information compiled by DTSC, only two sites on the list of hazardous materials sites compiled pursuant to Government Code section 65962.5 (Cortese list) are located within the City of San Diego, and neither would be affected by the project. The site found on GeoTracker is not on the Cortese list.

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|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Portions of the project alignment are within the boundary of San Diego International Airport and within the Airport Influence Area-Review Area 1 of San Diego International Airport Land Use Compatibility Plan. Portions are also within 2 miles of North Island Naval Air Station. However, since the proposed project involves replacement, rehabilitation, construction, and abandonment of water and storm drain infrastructure, it would not introduce any new features that would result in a safety hazard for people residing or working in the area.



Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The project site is not within proximity of a private airstrip. No impacts would result.

g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The project is replacement of existing infrastructure. It would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. No impacts would result.

h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The project would not expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands. No impact would result.

X. HYDROLOGY AND WATER QUALITY - Would the project:

a) Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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The project would comply with all storm water quality standards during and after construction, and appropriate Best Management Practices (BMP's) will be utilized and provided for on-site. Implementation of these BMP's would preclude any violations of existing standards and discharge regulations. This will be addressed through the project's Conditions of Approval. City engineer(s) will ensure compliance with all regulations/ requirements including Storm Water requirements. This project requires a Water Pollution Control Plan (WPCP) that must be prepared in accordance with Appendix G of Storm Water Standard Manual. Impacts would be less than significant, and no mitigation measures are required.

b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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The project does not require the construction of wells. The construction of the project may generate a temporary use of water but it would not substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level. Impacts would be less than significant, and no mitigation measures are required.

- c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner, which would result in substantial erosion or siltation on- or off-site?

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Limited storm drain replacement is occurring at Site 8 north of Home Ave. Drainage Report Storm Drain Group 968, Prepared by City of San Diego Engineering and Capital Projects Department Senior Civil Engineer Nicole Salem in February 2020, analyzes the total storm flow from surrounding watersheds and concludes that storm drain pipe, inlet, and dissipater are appropriately designed to convey flows. No drainage will be conveyed to private properties.

Streams or rivers do not occur on or adjacent to any sites. Although trenching is proposed, the project would implement on-site BMPs, therefore ensuring that substantial erosion or siltation on- or off-site would not occur. The project would not substantially alter the existing drainage pattern of the site or the area. Impacts would be less than significant, and no mitigation measures are required.

- d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner, which would result in flooding on- or off-site?

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See X c). No substantial increase in surface runoff is proposed that would result in flooding on- or off-site. Impacts would be less than significant, and no mitigation measures are required.

- e) Create or contribute runoff water, which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

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See X c). The project would not introduce any new conditions that would create or contribute runoff water, which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff. Impacts would be less than significant, and no mitigation measures are required.

- f) Otherwise substantially degrade water quality?

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Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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See X c). The project would comply with all City storm water quality standards during and after construction. Appropriate BMP's would be implemented to ensure that water quality is not degraded. Impacts would be less than significant, and no mitigation measures are required.

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

The project does not include housing and would not place housing within a 100-year flood hazard as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map. No impacts would result.

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| h) Place within a 100-year flood hazard area, structures that would impede or redirect flood flows? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

See X c). Additionally, per the Geotechnical Investigations conducted for the project in 2018 and 2020, a review of the FEMA National Flood Hazard maps indicates that none of the sites are located within a Special Flood Hazard Area (SFHA). No new permanent structures would be erected that impede or redirect flood flows. Impacts would be less than significant, and no mitigation measures are required.

XI. LAND USE AND PLANNING – Would the project:

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Physically divide an established community? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

The replacement, rehabilitation, construction, and abandonment of water and storm drain infrastructure would not physically divide an established community. No impact would occur.

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

The Site Map for the North Harbor Drive location shows the proposed water main replacement in this location is with the jurisdiction of the California Coastal Commission (CCC). Therefore, the CCC will determine whether this location requires a CDP or is exempt from the requirement to obtain a CDP.

~~Because portions of this project are located within the Coastal Permit Jurisdiction, this project will need to continue the process of an SDP. If portions of the project are separated, then those portions may qualify for an SDP exemption pursuant to the San Diego Municipal Code Section 143.0110 (c)(10) may be exempted. As the project is proposed the entire project must process an SDP.~~

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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The project is replacement, rehabilitation, construction, and abandonment of water and storm drain infrastructure. It would not conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect. Thus, no impact would occur.

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| c) Conflict with any applicable habitat conservation plan or natural community conservation plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

See also Response to IV. e). It was determined the project is consistent with the MSCP. No impact would occur.

#### XII. MINERAL RESOURCES – Would the project:

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

The proposed project would not result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state. None of the various project sites are large enough to allow economically feasible aggregate mining operations, and project development would not preclude a mining operation adjacent to or surrounding the sites. No impact would occur.

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

The proposed project would not result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan. No impact would occur.

#### XIII. NOISE – Would the project result in:

- |  |                          |                          |                                     |                          |
|--|--------------------------|--------------------------|-------------------------------------|--------------------------|
| a) Generation of, noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|--|--------------------------|--------------------------|-------------------------------------|--------------------------|

The project would not result in the generation of, noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies. Any short-term noise impacts related to construction activities would be required to comply with the construction hours specified in the City's Municipal Code and OSHA safety standards (see XII. d). Impacts would be less than significant, and no mitigation is required.

- |  |                          |                          |                                     |                          |
|--|--------------------------|--------------------------|-------------------------------------|--------------------------|
| b) Generation of, excessive ground borne vibration or ground borne noise levels? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|--|--------------------------|--------------------------|-------------------------------------|--------------------------|

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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Trenching and tunneling may have the potential for temporary ground borne vibration. However, through compliance with City restrictions, long-term impacts would be less than significant, and no mitigation measures are required.

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

The project would not result in any the generation of a permanent increase in ambient noise levels above levels existing without the project, so no impact would occur.

- |   |                          |                          |                                     |                          |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|
| d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above existing without the project? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|

The proposed project would result in temporary construction noise. The project is required to comply with the San Diego Municipal Code section §59.5.0404 Construction Noise. This section specifies that it is unlawful for any person, between the hours of 7:00 p.m. of any day and 7:00 a.m. of the following day, or on legal holidays (with exception of Columbus Day and Washington's Birthday), or on Sundays, to erect, construct, demolish, excavate for, alter or repair any building or structure in such a manner as to create disturbing, excessive or offensive noise. In addition, the project would be required to conduct any construction activity so as to not cause, at or beyond the property lines of any property zoned residential, an average sound level greater than 75 decibels during the 12-hour period from 7:00 a.m. to 7:00 p.m.

Site 3 is within the Airport Influence Area-Review Area 1 of San Diego International Airport Land Use Compatibility Plan. It is within the airport 60-65 CNEL noise contour. The project is consistent with the Airport Land Use Compatibility Plan for the San Diego International Airport. There is no change in land use, thus analysis of incompatible land uses does not apply. The project, in and of itself, would not generate operational noise.

People working on the project may be exposed to airport noise levels. Site 2 is located within 2 miles of North Island Naval Air Station. Compliance with OSHA standards and use of personal protective hearing equipment in Sites 3 and 2 will minimize the exposure of project workers to excessive noise levels. Thus, impacts would be less than significant, and no mitigation is required.

- |   |                          |                          |                                     |                          |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|
| e) For a project located within an airport land use plan, or, where such a plan has not been adopted, within two miles of a public airport or public use airport would the project expose people residing or working in the area to excessive noise levels? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|

See response to IX. e). Impacts would be less than significant, and no mitigation is required.



Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

See response to IX. e). Impacts would be less than significant, and no mitigation is required.

#### XIV. POPULATION AND HOUSING – Would the project:

a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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The project proposes limited construction of new water infrastructure within Site 2. This limited construction is within an urbanized area and would not induce substantial population growth in the area indirectly. Impacts would be less than significant, and no mitigation is required.

b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
---	--------------------------	--------------------------	--------------------------	-------------------------------------

The project would not displace people or housing; no impact would occur.

c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The project would not displace people or housing; no impact would occur.

#### XV. PUBLIC SERVICES

a) Would the project result in substantial adverse physical impacts associated with the provisions of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
i) Fire protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii) Police protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iii) Schools	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iv) Parks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
v) Other public facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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The replacement, rehabilitation, construction, and abandonment of water and storm drain infrastructure would not require construction or alteration of fire or police facilities or adversely affect existing levels of fire and police services. The project would not require the construction or alteration of a school, park facility, or other public facility. No impact to Public Services would result.

#### XVI. RECREATION

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

The replacement, rehabilitation, construction, and abandonment of water and storm drain infrastructure would not increase the use of existing neighborhood and regional parks or other recreational facilities. No impact would result.

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| b) Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

The project would not include recreational facilities or require the construction or expansion of recreational facilities. No impact would result.

#### XVII. TRANSPORTATION/TRAFFIC – Would the project?

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Would the project or plan/policy conflict with an adopted program, plan, ordinance or policy addressing the transportation system, including transit, roadways, bicycle and pedestrian facilities? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

The proposed project is replacement, rehabilitation, construction, and abandonment of water and storm drain infrastructure. It would not conflict an adopted program, plan, ordinance or policy addressing the transportation system, including transit, roadways, bicycle and pedestrian facilities, or decrease the performance or safety of such facilities. No impact would occur.

- |   |                          |                          |                                     |                          |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|
| b) Would the project or plan/policy result in VMT exceeding thresholds identified in the City of San Diego Transportation Study Manual? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|

CEQA Guidelines Section 15064.3, subdivision (a), states, “For the purposes of this section, ‘vehicle miles traveled’ refers to the amount and distance of automobile travel attributable to a project.” Here, the term “automobile” refers to on-road passenger vehicles, specifically cars and light trucks, and does not include heavy-duty trucks that will be utilized during project construction.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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The project is a small project that will result in less than 300 daily trips during project operation. During operation minimal trips would be generated from infrequent maintenance activities. The project is not required to perform a transportation VMT CEQA analysis. Impacts from VMT are presumed to be less than significant and no mitigation is required.

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| c) Would the project or plan/policy substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

The replacement, rehabilitation, construction, and abandonment of water and storm drain infrastructure would not include any design features that would substantially increase hazards or incompatible uses. No impact would occur.

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| d) Result in inadequate emergency access? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

The replacement, rehabilitation, construction, and abandonment of water and storm drain infrastructure would not result in inadequate emergency access. Construction of the proposed project may temporarily affect the transportation system within the project APE and adjoining roads. An approved Traffic Control Plan would be implemented during construction that would provide adequate emergency access. No impact would occur.

XVIII. TRIBAL CULTURAL RESOURCES – Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

- |  |                          |                                     |                          |                          |
|--|--------------------------|-------------------------------------|--------------------------|--------------------------|
| a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|--|--------------------------|-------------------------------------|--------------------------|--------------------------|

The project is listed in a local register of historical resources. Site 4 is located within Presidio Park, which was designated by the San Diego Historical Resources Board (HRB) as Site #240. Discussion of the site is provided in Section V., Cultural Resources, and consultation under Assembly Bill (AB) 52 is below in XVIII. b). No additional mitigation measures are needed to address this issue area in addition to what has already been recommended for the project for cultural resources, which will be incorporated into the MMRP of this MND.

- |   |                          |                                     |                          |                          |
|---|--------------------------|-------------------------------------|--------------------------|--------------------------|
| b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code section 5024.1, the lead agency shall consider the | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|---|--------------------------|-------------------------------------|--------------------------|--------------------------|



Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
significance of the resource to a California Native American tribe.				

Assembly Bill 52 (AB 52) requires as part of CEQA, evaluation of tribal cultural resources, notification of tribes, and opportunity for tribes to request a consultation regarding impacts to tribal cultural resources when a project is determined to require a Negative Declaration, Mitigated Negative Declaration or Environmental Impact Report under CEQA. In compliance with AB-52, the City notified all tribes that have previously requested such notification for projects within the City of San Diego.

On March 24, 2020 the City of San Diego sent notification to representatives of the Lipay Nation of Santa Ysabel and the Jamul Indian Village for the purposes of AB 52. Neither tribal representative responded within the 30-day period requesting consultation and additional information. Consultation was concluded on April 23, 2020 with both tribes. No additional mitigation measures are needed to address this issue area in addition to what has already been recommended for the project for cultural resources, which will be incorporated into the MMRP of this MND.

XIX. UTILITIES AND SERVICE SYSTEMS – Would the project:

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

The project will comply with all regulations of the Regional Water Quality Control Board. The project does not propose wastewater, and not wastewater treatment is anticipated.

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

The proposed project is the rehabilitation, construction, and abandonment of water and storm drain infrastructure. It would not require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities beyond the project itself which could cause significant environmental effects.

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

The proposed project includes the construction of storm drain infrastructure but would not require or result in the construction of additional new storm water drainage facilities or expansion of existing facilities beyond the project itself which could cause significant environmental effects.

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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The proposed project includes replacement, rehabilitation, construction, and abandonment of water infrastructure. The proposed project would be served by existing water supplies. No new or expanded entitlements are needed.

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

The proposed project is replacement, rehabilitation, construction, and abandonment of water and storm drain infrastructure and would not result in impacts to wastewater treatment capacity by the wastewater treatment provider which serves or may serve the project.

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

The proposed project would be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs.

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| g) Comply with federal, state, and local statutes and regulation related to solid waste? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

The proposed project is the replacement, rehabilitation, construction, and abandonment of water and storm drain infrastructure. It would comply with federal, state, and local statutes and regulation related to solid waste.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XX. WILDFIRE – Would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>The 2017 San Diego County Multi-Jurisdictional Hazard Mitigation Plan (SDHMP) is the San Diego region's plan toward greater disaster resilience in accordance with section 322 of the Disaster Mitigation Act of 2000. The project would not conflict with the goals, objectives, and actions of the SDHMP. Per Action 1.D.6, High fire hazard areas shall have adequate access for emergency vehicles.</p> <p>The project is partially located in a Very High Fire Hazard Severity Zone (VHFHSZ). A traffic control plan would be provided per Standard Specifications for Public Works Construction, which would allow access for emergency vehicles. At least 48 hours in advance of closing, partially closing or reopening, any street, alley, or other public thoroughfare, the Police, Fire, Traffic and Engineering Departments shall be contacted. Therefore, the project would not conflict with emergency response and would not substantially impair an adopted emergency response plan. Impacts would be less than significant.</p>				
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of wildfire?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>While the project is located partially in a VHFHSZ, implementation of fire safety procedures in the Standard Specifications for Public Works Construction would reduce the potential for exacerbating fire risk due to construction activities to a less than significant level. In addition, the project is required to implement SDMC §142.0412 Brush Management regulations. The rehabilitation, construction, and abandonment of water and storm drain infrastructure would not impact the risk of wildfire during operation. The project would not significantly exacerbate wildfire risks, and no mitigation is required.</p>				
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>The project is currently serviced by existing infrastructure which would service the site during and after construction. The project area has adequate fire hydrant services and street access. No new infrastructure is proposed to support the project that may exacerbate fire risk. Impacts would be less than significant, and no mitigation is required.</p>				
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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as a result of runoff, post-fire slope instability, or drainage changes?

Most of the project area is within developed land. Within areas of vegetated land cover, the project revegetation plan revegetates all impact areas, in accordance with the City's Landscape Regulations and Land Development Code. The project would not expose people or structures to significant risk from flooding or landslide as a result of runoff, post-fire instability, or drainage changes.

#### XXI. MANDATORY FINDINGS OF SIGNIFICANCE –

- a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

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Although there is the potential of significant impacts related to Biological Resources and Cultural Resources (Archaeology), mitigation measures included in this Mitigated Negative Declaration would reduce these potential impacts to a less than significant level.

- b) Does the project have impacts that are individually limited but cumulatively considerable ("cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?

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Cumulative impacts can result from individually minor but collectively significant actions taking place over time. For the purpose of this Initial Study, the project may have cumulative considerable impacts to Biological Resources, and Cultural Resources (Archaeology). As such, mitigation measures included in this document would reduce these potential impacts to a less than significant. Other future projects within the surrounding neighborhood or community would be required to comply with applicable local, State, and Federal regulations to reduce potential impacts to less than significant, or to the extent possible. As such, the project is not anticipated to contribute to potentially significant cumulative environmental impacts.

- c) Does the project have environmental effects that will cause substantial adverse effects on human beings, either directly or indirectly?

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Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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The rehabilitation, construction, and abandonment of water and storm drain infrastructure is consistent with the setting and with the use anticipated by the City. Based on the analysis presented above, implementation of the aforementioned mitigation measures would reduce environmental impacts such that no substantial adverse effects on humans would occur.

## INITIAL STUDY CHECKLIST REFERENCES

### **I. Aesthetics / Neighborhood Character**

- ☐ City of San Diego General Plan
- ☒ Community Plans: Mid-City Communities, Mission Valley, North Park, Old Town San Diego, Peninsula, Encanto Neighborhoods

### **II. Agricultural Resources & Forest Resources**

- ☐ City of San Diego General Plan
- ☐ U.S. Department of Agriculture, Soil Survey - San Diego Area, California, Part I and II, 1973
- ☐ California Agricultural Land Evaluation and Site Assessment Model (1997)
- ☐ Site Specific Report:

### **III. Air Quality**

- ☐ California Clean Air Act Guidelines (Indirect Source Control Programs) 1990
- ☒ Regional Air Quality Strategies (RAQS) - APCD
- ☐ Site Specific Report:

### **IV. Biology**

- ☐ City of San Diego, Multiple Species Conservation Program (MSCP), Subarea Plan, 1997
- ☐ City of San Diego, MSCP, "Vegetation Communities with Sensitive Species and Vernal Pools" Maps, 1996
- ☐ City of San Diego, MSCP, "Multiple Habitat Planning Area" maps, 1997
- ☐ Community Plan - Resource Element
- ☐ California Department of Fish and Game, California Natural Diversity Database, "State and Federally-listed Endangered, Threatened, and Rare Plants of California," January 2001
- ☐ California Department of Fish and Game, California Natural Diversity Database, "State and Federally-listed Endangered and Threatened Animals of California," January 2001
- ☒ City of San Diego Land Development Code Biology Guidelines
- ☒ Site Specific Report:  
Biological Resources Letter Report for the Water and Storm Group 968 (WBS No. B-14099.02.02 / B-15028.02.02), City of San Diego, California, prepared by Dudek, dated May 14, 2018

Addendum to the Biological Resource Letter for the Water and Storm Group 968 (WBS No. B-14099.02.02/B-15028.02.02), City of San Diego, California, prepared by City of San Diego Public Works biologist, Maya Mazon, dated August 12, 2019.

### **V. Cultural Resources (includes Historical Resources and Built Environment)**

- ☒ City of San Diego Historical Resources Guidelines
- ☒ City of San Diego Archaeology Library
- ☒ Historical Resources Board List
- ☐ Community Historical Survey:



- ☒ City of San Diego Paleontological Guidelines
- ☐ Deméré, Thomas A., and Stephen L. Walsh, "Paleontological Resources City of San Diego," Department of Paleontology San Diego Natural History Museum, 1996
- ☒ Kennedy, Michael P., and Gary L. Peterson, "Geology of the San Diego Metropolitan Area, California. Del Mar, La Jolla, Point Loma, La Mesa, Poway, and SW 1/4 Escondido 7 1/2 Minute Quadrangles," *California Division of Mines and Geology Bulletin* 200, Sacramento, 1975
- ☐ Kennedy, Michael P., and Siang S. Tan, "Geology of National City, Imperial Beach and Otay Mesa Quadrangles, Southern San Diego Metropolitan Area, California," Map Sheet 29, 1977
- ☐ Site Specific Report:

#### **VI. Energy**

- ☒ City of San Diego Climate Action Plan, December 2015
- ☒ CAP Consistency Checklist prepared for Group Job 968, 2019

#### **VII. Geology/Soils**

- ☐ City of San Diego Seismic Safety Study
- ☐ U.S. Department of Agriculture Soil Survey - San Diego Area, California, Part I and II, December 1973 and Part III, 1975
- ☒ Site Specific Reports:  
Preliminary Geotechnical Investigation, City of San Diego Task 15GT15 - Manzanita Canyon Water and Storm Drain Group 968 Manzanita Drive & 39th Street, San Diego, California, prepared by Twining Geotechnical, dated September 28, 2018 (their job no. 180325.2)

Preliminary Geotechnical Investigation, City of San Diego Task 15GT15 - Water and Storm Drain Group 968 San Diego, California, prepared by Twining Geotechnical, dated February 12, 2020 (their job no. 200055.2)

Development Plans for Water and Storm Drain Group 968, prepared by The City of San Diego Public Works, Drawing no. 38719-D

#### **VIII. Greenhouse Gas Emissions**

- ☒ City of San Diego Climate Action Plan, December 2015
- ☒ CAP Consistency Checklist prepared for Group Job 968, 2019

#### **IX. Hazards and Hazardous Materials**

- ☒ San Diego County Hazardous Materials Environmental Assessment Listing
- ☐ San Diego County Hazardous Materials Management Division
- ☐ FAA Determination
- ☐ State Assessment and Mitigation, Unauthorized Release Listing, Public Use Authorized
- ☒ Airport Land Use Compatibility Plan: San Diego International Airport, Airport Land Use Compatibility Plan Adopted April 3, 2014 Amended May 1, 2014.
- ☐ Site Specific Report:

#### **X. Hydrology/Drainage**

- ☐ Flood Insurance Rate Map (FIRM)
- ☐ Federal Emergency Management Agency (FEMA), National Flood Insurance Program-Flood Boundary and Floodway Map

- ☐ Clean Water Act Section 303(b) list, [http://www.swrcb.ca.gov/tmdl/303d\\_lists.html](http://www.swrcb.ca.gov/tmdl/303d_lists.html)
- ☒ Site Specific Report: Drainage Report Storm Drain Group 968, Prepared by City of San Diego Public Works Department Senior Civil Engineer Nicole Salem, February 2020.

Preliminary Geotechnical Investigation, City of San Diego Task 15GT15 - Water and Storm Drain Group 968 San Diego, California, prepared by Twining Geotechnical, dated February 12, 2020 (their job no. 200055.2)

#### **XI. Land Use and Planning**

- ☒ City of San Diego General Plan
- ☒ Community Plans: Mid-City Communities, Mission Valley, North Park, Old Town San Diego, Peninsula, Encanto Neighborhoods
- ☐ Airport Land Use Compatibility Plan
- ☐ City of San Diego Zoning Maps
- ☐ FAA Determination:
- ☐ Other Plans:

#### **XII. Mineral Resources**

- ☒ California Department of Conservation - Division of Mines and Geology, Mineral Land Classification
- ☐ Division of Mines and Geology, Special Report 153 - Significant Resources Maps
- ☐ City of San Diego General Plan: Conservation Element
- ☐ Site Specific Report:

#### **XIII. Noise**

- ☐ City of San Diego General Plan
- ☐ Community Plan
- ☒ San Diego International Airport - Lindbergh Field CNEL Maps
- ☐ Brown Field Airport Master Plan CNEL Maps
- ☐ Montgomery Field CNEL Maps
- ☐ San Diego Association of Governments - San Diego Regional Average Weekday Traffic Volumes
- ☐ San Diego Metropolitan Area Average Weekday Traffic Volume Maps, SANDAG
- ☐ Site Specific Report:

#### **XIV. Paleontological Resources**

- ☒ City of San Diego Paleontological Guidelines
- ☐ Deméré, Thomas A., and Stephen L. Walsh, "Paleontological Resources City of San Diego," Department of Paleontology San Diego Natural History Museum, 1996
- ☒ Kennedy, Michael P., and Gary L. Peterson, "Geology of the San Diego Metropolitan Area, California. Del Mar, La Jolla, Point Loma, La Mesa, Poway, and SW 1/4 Escondido 7 1/2 Minute Quadrangles," *California Division of Mines and Geology Bulletin* 200, Sacramento, 1975
- ☐ Kennedy, Michael P., and Siang S. Tan, "Geology of National City, Imperial Beach and Otay Mesa Quadrangles, Southern San Diego Metropolitan Area, California," Map Sheet 29, 1977

☐ Site Specific Report:

**XV. Population / Housing**

- ☐ City of San Diego General Plan
- ☐ Community Plan
- ☐ Series 11/Series 12 Population Forecasts, SANDAG
- ☐ Other:

**XVI. Public Services**

- ☐ City of San Diego General Plan
- ☐ Community Plan

**XVII. Recreational Resources**

- ☐ City of San Diego General Plan
- ☐ Community Plan
- ☐ Department of Park and Recreation
- ☐ City of San Diego - San Diego Regional Bicycling Map
- ☐ Additional Resources:

**XVIII. Transportation / Traffic**

- ☐ City of San Diego General Plan
- ☐ Community Plan:
- ☐ San Diego Metropolitan Area Average Weekday Traffic Volume Maps, SANDAG
- ☐ San Diego Region Weekday Traffic Volumes, SANDAG
- ☒ City of San Diego Transportation Study Manual Draft June 10, 2020
- ☐ Site Specific Report:

**XIX. Utilities**

- ☐ Site Specific Report:
- ☐ Sunset Magazine, *New Western Garden Book*, Rev. ed. Menlo Park, CA: Sunset Magazine

**XX. Water Quality**

- ☐ Clean Water Act Section 303(b) list, [http://www.swrcb.ca.gov/tmdl/303d\\_lists.html](http://www.swrcb.ca.gov/tmdl/303d_lists.html)
- ☐ Site Specific Report:

**XXI. Wildfire**

- ☒ San Diego County Multi-Jurisdictional Hazard Mitigation Plan, 2017

Revised: August 2018