



THE CITY OF SAN DIEGO

ADDENDUM

Project No. 704120
Addendum to MND No. 255100
SCH No. 2011091045

SUBJECT: **Sewer and Water Group 1040:** The project proposes the replacement of approximately 1,811 linear feet of 4-, 6-, 8-, 12-, and 16-inch diameter asbestos cement (AC) and ductile iron (DI) water mains with 8- and 12-inch diameter polyvinyl chloride (PVC) water mains; the installation of approximately 6,602 linear feet of new 8- and 12-inch diameter PVC water mains; and the abandonment of approximately 6,482 linear feet of 4-, 6-, 8-, 12-, and 16-inch AC and DI sewer mains. The project also proposes the replacement of approximately 599 linear feet of 8-, 12-, and 15-inch diameter vitrified clay (VC) and PVC sewer mains with 8- and 15-inch diameter PVC sewer mains; the installation of approximately 4,638 linear feet of new 8- and 15-inch diameter PVC sewer mains; the rehabilitation of approximately 429 linear feet of 8-inch diameter PVC sewer mains; and abandonment of approximately 3,939 linear feet of existing 8- and 15-inch diameter VC sewer mains. The project would include the installation of all associated water service, fire hydrants, valves, water meters, sewer laterals, manholes and other appurtenances. The project would repave areas directly impacted by construction; stripe approximately 8,501 linear feet of new Class II bicycle lane and Class III bicycle route along Beyer Boulevard between Alaquinas Drive and East Beyer Boulevard, and East Beyer Boulevard between Beyer Boulevard and Bolton Hall Road; replace curb ramps for compliance with the Americans with Disabilities Act (ADA); and provide crosswalk striping. Other signage and electrical improvements related to providing the bicycle lanes would also be included. Construction staging areas would be sited within the public right-of-way and City utility easements. Applicant: City of San Diego Engineering and Capital Projects Department.

I. SUMMARY OF ORIGINAL PROJECT

Mitigated Negative Declaration (MND) No. 255100 (Citywide Pipeline MND) was prepared by the City of San Diego's (City) Development Services Department (DSD) and adopted by the Council on November 30, 2011 (Resolution No. 307122). The Citywide Pipeline MND not only analyzed four near-term projects, but also provided the analysis for subsequent future pipeline projects. Future pipeline project would be required to be located within the public right-of-way and not result in any direct impacts to sensitive biological resources or Environmentally Sensitive Lands (ESL) as defined in the Land Development Code, and not encroach into the City's Multi-Habitat Planning Area (MHPA). Typical pipeline project types considered in the analysis consisted of sewer and water group jobs,

trunk sewers, large diameter water pipeline projects, new and/or replacement manholes, new/or replacement fire hydrants, and other necessary appurtenances. More specifically, the MND allowed for the replacement, rehabilitation, relocation, point repair, new trenching, trenchless construction, and abandonment of water and/or sewer pipeline alignments and associated improvements.

II. PROJECT DESCRIPTION

The AC Water and Sewer Group 1040 project is part of the City of San Diego's on-going Sewer Main Replacement Program. The existing sewer mains are old and are nearing the end of their service life. Construction of the project would reduce maintenance requirements, correct hydraulic deficiencies, improve reliability and accessibility, and bring the sewer main system up to current design standards.

Water Improvements: A total of approximately 8,413 linear feet of water lines would be replaced or installed as a part of this project. The project proposes the replacement of approximately 1,811 linear feet of existing 4-, 6-, 8-, 12-, and 16-inch diameter asbestos cement (AC) and ductile iron (DI) water mains by open trench method within the same trench alignment at the same depth with 8- and 12-inch diameter polyvinyl chloride (PVC) water mains; the installation of approximately 6,602 linear feet of new 8- and 12-inch diameter PVC water mains in new alignments by open trench at depths ranging from 3.5 to 5 feet; and abandon approximately 6,482 linear feet of 4-, 6-, 8-, 12-, and 16-inch AC and DI sewer mains. The project would include all associated water service, fire hydrants, valves, water meters, and other appurtenances.

Sewer Improvements: A total of approximately 5,237 linear feet of sewer line would be replaced and a total of 429.06 linear feet of sewer line would be rehabilitated as a part of this project. The project also proposes the replacement of approximately 270 linear feet of existing 8-, 12-, and 15-inch diameter vitrified clay (VC) and PVC sewer mains by open trench method within the same trench alignment at a greater depth with 8- and 15-inch diameter PVC sewer mains, and 329 linear feet by open trench within the same trench at same or shallower depth with 8- and 15-inch diameter PVC sewer mains; the installation of approximately 4,638 linear feet of new 8- and 15-inch diameter PVC sewer mains in new alignments by open trench at depths ranging from 7 to 15 feet; rehabilitate approximately 429 linear feet of 8-inch diameter PVC sewer mains; and abandon approximately 3,939 linear feet of existing 8- and 15-inch diameter VC sewer mains.

The project would also replace, install, and abandon associated appurtenances including water services, sewer laterals, and manholes; repave areas directly impacted by project construction.

As the pipeline work would require temporary impacts to the roadway traffic flows as well as effects to the roadway surface, the City would also couple other minor roadway improvements with the proposed pipeline improvements to reduce disruption to traffic flows. The project would stripe approximately 8,501 linear feet of new Class II bicycle lane and Class III bicycle route along Beyer Boulevard between Alaquinas Drive and East Beyer Boulevard, and East Beyer Boulevard between Beyer Boulevard and Bolton Hall Road. Signage would also be provided to accommodate the bike lanes. The project would also replace curb ramps for compliance with the Americans with Disabilities Act (ADA) and add crosswalk striping. Electrical improvements such as vehicle detectors and bicycle detectors within the roadway would be added for light signal timing purposes.

Construction staging areas would be sited within the public right-of-way and City utility easements. Construction methods include open trenching, abandonment, and rehabilitation, which are further described below.

Open Trenching: The open trench method of construction would be used for the new construction and replacement portions of the project. Trenches are typically 3 to 5 feet wide and are dug with excavators and similar large construction equipment. All trenching work would occur within the public right-of-way.

Abandonment: Pipeline abandonment activities would have minimum surface/subsurface disturbance at both ends of the mains. Disturbance would be limited to removal of manholes and exposed pipe sections.

Rehabilitation: This technique would seal out runoff and groundwater seepage into structurally sound pipe. Grouts have a variety of chemical formulas that are matched to be compatible with local soil conditions and pipe materials. Prior to installing the grouting material, the pipe is thoroughly cleaned. Once the pipe is clean the grout is applied through the inside of the pipe with a machine called a packer. The grout is injected out through the pipe defect or open joint and into the surrounding soil matrix and the pipe material. The injected material bonds with the soil and pipe material forming a waterproof seal. Once the sewer mains are grouted a similar process is used to grout the service laterals where they connect to the sewer main. The service laterals are grouted in the same manner as the sewer mains. The equipment used for grouting the lateral is specialized for this purpose and is not the same as the equipment for sewer main grouting. Grouting can be accomplished in a few hours and does not disturb the ground or paving surface.

The project would comply with the standard requirements applicable at the time of construction as described in the *Standard Specifications for Public Works Construction*, and California Department of Transportation's *Manual of Traffic Controls for Construction and Maintenance Work Zones*. 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*. Best Management Practices would be required and specified within the approved Water Pollution Control Plan for erosion control and storm drain inlet protection.

II. ENVIRONMENTAL SETTING

The project would be located within the San Ysidro Community Plan. Surrounding land uses include existing residential and commercial developments. The project would occur within developed public rights-of-way and public utility easements located within previously disturbed private property.

The project would generally be located within the following streets: Beyer Boulevard between Alaquinas Drive and Enright Drive; East Beyer Boulevard between Beyer Boulevard and Bolton Hall Road; Hill Street; Bolton Hall Road at Border Village Road; Border Village Road between Bolton Hall Road and Front Street; Virginia Avenue between Border Village Road and East San Ysidro Boulevard; Louisiana Avenue; Mesa Avenue; Seaward Avenue; Filoi Avenue; Enchanted Place; Fantasy Lane; Delaney Drive; Enright Drive; and Willow Road south of East San Ysidro Boulevard. All project areas are within the public right-of-way and within City utility easements.

IV. ENVIRONMENTAL DETERMINATION

The City previously prepared and adopted the Citywide Pipeline Projects Mitigated Negative Declaration (MND No. 255100/SCH No. 2011091045), per Resolution No. 307122 on November 30, 2011. Based on all available information in light of the entire record, the analysis in this Addendum, and pursuant to Section 15162 and 15164 of the State CEQA Guidelines, that:

- There are no substantial changes proposed in the project which will require major revisions of the previous environmental document due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
- Substantial changes have not occurred with respect to the circumstances under which the project is undertaken which will require major revisions of the previous environmental document due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; or
- There is no new information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous environmental document was certified as complete or was adopted, shows any of the following:
 - a. The project will have one or more significant effects not discussed in the previous environmental document;
 - b. Significant effects previously examined will be substantially more severe than shown in the previous environmental document;
 - c. Mitigation measures or alternatives previously found not to be feasible would in fact be feasible, and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or
 - d. Mitigation measures or alternatives which are considerably different from those analyzed in the previous environmental document would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

Based upon a review of the current project, none of the situations described in Sections 15162 and 15164 of the State CEQA Guidelines apply. No changes in circumstances have occurred, and no new information of substantial importance has manifested, which would result in new significant or substantially increased adverse impacts as a result of the project. Therefore, this Addendum has been prepared in accordance with Section 15164 of the CEQA State Guidelines. The Citywide Pipeline MND has been incorporated by reference pursuant to CEQA Guidelines Section 15150. Public review of this Addendum is not required per CEQA.

V. IMPACT ANALYSIS

This Addendum includes the environmental issues analyzed in detail in the previously adopted MND as well as the project-specific environmental analysis pursuant to the CEQA. The analysis in this document evaluates the adequacy of the MND relative to the project and documents that the proposed modifications and/or refinements would not cause new or more severe significant impacts than those identified in the previously certified environmental document.

The Citywide Pipeline MND identified significant but mitigable impacts to Land Use (MSCP/MHPA Land Use Adjacency), Historical Resources (Built Environment), Historical Resources (Archaeology), and Paleontological Resources.

The following analysis indicates there would be no new significant impacts, nor would there be an increase in the severity of impacts resulting from the project. Further, there is no new information in the record or otherwise available indicating that there are substantial changes in circumstances that would require major changes to the MND.

Historical Resources (Archaeology)

Citywide Pipeline MND

The Citywide Pipeline MND determined that near-term and future pipeline projects would be analyzed for the potential to impact archaeological resources. Projects which include ground disturbance within mapped areas of the City that indicate a potential for the discovery of archaeological resources would require monitoring.

To reduce potential archaeological resource impacts to below a level of significance, all excavation within previously undisturbed soil would be monitored by a qualified archaeological monitor and Native American monitor. Any significant archaeological resources encountered would be recovered and curated in accordance with the mitigation monitoring and Reporting Program (MMRP).

Project

The project site is mapped within the high sensitivity on the City's Historical Resources Sensitivity Map. Therefore, a record search of the California Historic Resources Information System (CHRIS) digital database was reviewed by qualified archaeological City staff to determine the presence or absence of potential resources within the project site. According to the CHRIS search, no sites are mapped within the project site. However, there is a high potential for project grading to impact known prehistoric resources. Based upon the potential to encounter buried archaeological deposits or artifacts associated with the prehistoric occupation of the area and other known sites within area. Portions of the project area would include excavation of previously undisturbed soil which has the potential to contain sensitive archaeological resources. Monitoring would be required during all ground-disturbing activities within previously undisturbed soil.

A MMRP, as detailed within Section VII would be implemented to reduce the indirect impacts related to the Historical Resources (Archaeology) resources to below a level of significance. With

implementation of the MMRP, potential Historical Resources (Archaeology) impacts would be reduced to below a level of significance.

Based on the foregoing analysis and information, there is no evidence that the project would require a major change to the MND. The project would not result in a new significant impact, nor would a substantial increase in the severity of impacts from that described in the MND result.

Historical Resources (Built Environment)

Citywide Pipeline MND

The Citywide Pipeline MND determined that near-term or future pipeline projects located within designated historical districts would be subject to review by qualified historical staff to determine whether the project would have an adverse effect on the historical district requiring specific mitigation as detailed in Section V of the MND or if the project would require further review in accordance with the Historical Resources Regulations. Projects located in a historical district must incorporate mitigation to reduce impacts to the historical district to below a level of significance.

Project

The project is not located within a historic district. Therefore, no impacts would occur to historical resources (built environment) and no mitigation is required.

Based on the foregoing analysis and information, there is no evidence that the project would require a major change to the MND. The project would not result in a new significant impact, nor would a substantial increase in the severity of impacts from that described in the MND result.

Land Use (Multiple Species Conservation Plan)

Citywide Pipeline MND

The Citywide Pipeline MND determined that future pipeline projects could involve replacing and installing utility infrastructure in proximity to the City's Multi-Habitat Planning Area (MHPA). Activities which occur within 100 feet of the MHPA would be required to implement the MHPA Land Use Adjacency Guidelines (LUAG). Measures to reduce potential indirect impacts to the City's MHPA have been included in the MMRP contained within Section V of the Citywide Pipelines MND. Impacts were determined to be less than significant.

Project

The project site is surrounded by existing development and all work would be completed within the previously developed public right-of-way and City utility easements. Review of aerial and street level photography appears to show that the project site does not contain any sensitive biological resources. The project site does not contain any sensitive riparian habitat or other identified habitat community. Furthermore, the project site is not located within 100 feet from MHPA designated lands. The nearest MHPA designated lands are approximately 220 feet from the line within Enright

Drive. Therefore, no impacts would occur as a result of the project and no mitigation is required. As such, the project would not require the land use mitigation identified in the Citywide Pipeline MND.

Based on the foregoing analysis and information, there is no evidence that the project modifications require a major change to the MND. The project would not create any new significant impact, nor would a substantial increase in the severity of impacts from that described in the MND result.

Paleontological Resources

Citywide Pipelines Project MND

The Citywide Pipelines MND determined that future pipeline projects within the public right of way and city easements could result in significant environmental impacts relating to paleontological resources. Projects would require monitoring when the project proposes ground disturbance greater than 1,000 cubic yards to a depth of 10 feet within areas underlain by geologic formations which have high sensitivity for paleontological resources, and ground disturbance greater than 2,000 cubic yards to a depth of 10 feet within areas underlain by geologic formations which have moderate sensitivity for paleontological resources. Additionally, monitoring would be required when excavation would occur within previously undisturbed formations. Any significant paleontological resources encountered would be recovered and curated in accordance with the MMRP contained within Section V of the Citywide Pipelines MND. With mitigation incorporated, impacts would be less than significant.

Project

According to the Geology of the San Diego Metropolitan Area, California (1975) published by the California Division of Mines and Geology, the project area is underlain by San Diego Formation and Old paralic deposits, which are categorized as having a high sensitivity level for paleontological resources. Projects that require over 1,000 cubic yards of excavation and 10 feet within a high sensitivity level formation, could result in impacts to these resources. Further, monitoring may be required for shallow grading (less than 10 feet) when a site has previously been graded and/or unweathered geologic deposits/rock units are present at the surface. Per the submitted project information, the project would require and 15,167 cubic yards of cut with a maximum cut depth of 15 feet. While some of this excavation would be within fill, there is potential the new lines would be located within previously undisturbed areas of high sensitivity level for paleontological resources that may contain paleontological resources. Thus, paleontological resources impacts would be potentially significant, and mitigation would be required. The project would carry forward and implement paleontological resources mitigation consistent with the paleontological resources measure identified in the Citywide Pipeline Project MND.

A MMRP, as detailed within Section VII would be implemented to reduce the indirect impacts related to the paleontological resources to below a level of significance. With implementation of the MMRP, potential paleontological resources impacts would be reduced to below a level of significance.

Based on the foregoing analysis and information, there is no evidence that the project would require a major change to the MND. The project would not result in a new significant impact, nor would a substantial increase in the severity of impacts from that described in the MND result.

VI. OTHER ISSUES NOT ANALYZED IN DETAIL

The Citywide Pipelines Project MND identified no impact or less than significant impacts related to the following environmental issues: aesthetics, agriculture and forestry resources, air quality, biological resources, geology/soils, greenhouse gas emissions, hazards & hazardous materials, hydrology/water quality, mineral resources, noise, population/housing, public services, recreation, transportation/traffic, and utilities/service systems. Considering the type of proposed project improvements, the magnitude of the improvements, methods of implementation, project compliance with regulations and policies, and location within previously developed areas, the proposed project would similarly have no impact or less than significant impacts related to these environmental issues as well. Through the environmental analysis conducted, the City has determined that the current project, subject of and evaluated under this Addendum would not have the potential to cause significant impacts to those issue areas beyond those analyzed. While these issues were not analyzed in detail, there is no new information available that would indicate that these issues would result in new significant impacts.

VII. MITIGATION, MONITORING, AND REPORTING PROGRAM (MMRP) INCORPORATED INTO THE PROJECT

A. General Requirements – Part I Plan Check (prior to permit issuance)

1. Prior to Bid Opening/Bid Award 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, specifications, details, etc.) to ensure MMRP requirements have been incorporated.
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"**.

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: <https://www.sandiego.gov/development-services/forms-publications/design-guidelines-templates>

3. 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)

PRE-CONSTRUCTION MEETING IS REQUIRED TEN (10) WORKING DAYS 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 Representative(s), Job Site Superintendent and the following consultants as necessary: **Archaeologist, Native American Monitor, and Paleontologist**

Note: Failure of all responsible Permit Holder's 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**
1. **MMRP COMPLIANCE:** This project, Project Tracking System (PTS) No. 677813, or for subsequent future projects the associated PTS No. 677813 shall conform to the mitigation requirements contained in the associated Environmental Document and implemented to the satisfaction of the DSD's ED, 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, and methodology, etc).
 - Note: Permit Holder's 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.**
 2. **OTHER AGENCY REQUIREMENTS:** Evidence that any other agency requirements or permits have been obtained or are in process 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 obtaining documentation of those permits or requirements, Evidence shall include copies of permits, letters of resolution or other documentation issued by the responsible agency as applicable: Not Applicable.
 3. **MONITORING EXHIBITS:** All consultants are required to submit to RE and MMC, a monitoring exhibit on a 11 x 17 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 indicated 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.
 4. **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:

DOCUMENT SUBMITTAL/INSPECTION CHECKLIST		
Issue Area	Document Submittal	Associated Inspection/Approvals/Notes
General	Consultant Qualification Letters	Prior to Preconstruction Meeting
General	Consultant Construction Monitoring Exhibits	Prior to or at Preconstruction Meeting
Paleontology	Paleontology Reports	Paleontology Site Observation
Archaeology	Archaeology Reports	Archaeology/Historic Site Observation
Bond Release	Request for Bond Release Letter	Final MMRP Inspections Prior to Bond Release Letter

SPECIFIC MMRP ISSUE AREA CONDITIONS/REQUIREMENTS:

Historical Resources (Archaeology)

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
 - a. 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.
 - b. 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).
 - c. 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 faxed by the CM to the RE the first day of monitoring, the last day of monitoring, monthly **(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 fax or 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 granted access to the site, 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, the landowner shall reinter the human remains and items associated with Native American human remains with appropriate dignity on the property in a location not subject to further and future subsurface disturbance, 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. The document shall be titled "Notice of Reinterment of Native American Remains" and shall include a legal description of the property, the name of the property owner, and the owner's acknowledged signature, in addition to any other information required by PRC 5097.98. The document shall be indexed as a notice under the name of the owner.
 - 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 submit to MMC via fax 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.

Paleontological Resources

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 Paleontological Monitoring have been noted on the appropriate construction documents.

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 paleontological monitoring program, as defined in the City of San Diego Paleontology Guidelines.
2. MMC will provide a letter to the applicant confirming the qualifications of the PI and all persons involved in the paleontological monitoring of the project.
3. Prior to the start of work, the applicant shall obtain 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 has been completed. Verification includes but is not limited to a copy of a confirmation letter from San Diego Natural History Museum, other institution 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.

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, Construction Manager (CM) and/or Grading Contractor, Resident Engineer (RE), Building Inspector (BI), if appropriate, and MMC. The qualified paleontologist shall attend any grading/excavation related Precon Meetings to make comments and/or suggestions concerning the Paleontological 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 paleontological monitoring program.
3. Identify Areas to be Monitored

- a. Prior to the start of any work that requires monitoring, the PI shall submit a Paleontological Monitoring Exhibit (PME) based on the appropriate construction documents (reduced to 11x17) to MMC for approval identifying the areas to be monitored including the delineation of grading/excavation limits. Monitoring shall begin at depths below 10 feet from existing grade or as determined by the PI in consultation with MMC. The determination shall be based on site specific records search data which supports monitoring at depths less than ten feet.
- b. The PME shall be based on the results of a site-specific records search as well as information regarding existing known soil conditions (native or formation).
- c. MMC shall notify the PI that the PME 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 depth of excavation and/or site graded to bedrock, presence or absence of fossil resources, etc., which may reduce or increase the potential for resources to be present.
5. Approval of PME and Construction Schedule
After approval of the PME by MMC, the PI shall submit to MMC written authorization of the PME and Construction Schedule from the CM.

III. During Construction

- A. Monitor Shall be Present During Grading/Excavation/Trenching
 1. The monitor shall be present full-time during grading/excavation/trenching activities including, but not limited to mainline, laterals, jacking and receiving pits, services and all other appurtenances associated with underground utilities as identified on the PME that could result in impacts to formations with high and/or moderate resource sensitivity. **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 PME.**
 2. The PI may submit a detailed letter to MMC during construction requesting a modification to the monitoring program when a field condition such as trenching activities that do not encounter formational soils as previously assumed, and/or when unique/unusual fossils are encountered, which may reduce or increase the potential for resources to be present.
 3. The monitor shall document field activity via the Consultant Site Visit Record (CSV). The CSV's shall be faxed by the CM to the RE the first day of monitoring, the last day of monitoring, monthly (**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 Paleontological Monitor shall direct the contractor to temporarily divert trenching activities in the area of discovery 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 fax or email with photos of the resource in context, if possible.
- C. Determination of Significance
1. The PI shall evaluate the significance of the resource.
 - 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. The determination of significance for fossil discoveries shall be at the discretion of the PI.
 - b. If the resource is significant, the PI shall submit a Paleontological Recovery Program (PRP) and obtain written approval of the program from MMC, MC and/or RE. PRP 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.
 - (1) Note: For pipeline trenching projects only, the PI shall implement the Discovery Process for Pipeline Trenching projects identified below under "D."
 - c. If resource is not significant (e.g., small pieces of broken common shell fragments or other scattered common fossils) the PI shall notify the RE, or BI as appropriate, that a non-significant discovery has been made. The Paleontologist shall continue to monitor the area without notification to MMC unless a significant resource is encountered.
 - d. The PI shall submit a letter to MMC indicating that fossil resources 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 Projects Only. If the fossil discovery is limited in size, both in length and depth; the information value is limited and there are no unique fossil features associated with the discovery area, then the discovery should be considered not significant.
 - (2) Note, for Pipeline Trenching Projects Only: If significance cannot be determined, the Final Monitoring Report and Site Record shall identify the discovery as Potentially Significant.
- D. Discovery Process for Significant Resources - Pipeline Trenching Projects
- The following procedure constitutes adequate mitigation of a significant discovery encountered during pipeline trenching activities 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 fossil resources within the trench alignment and width shall be documented in-situ photographically, drawn in plan view (trench and profiles of side walls), recovered from the trench and photographed after cleaning, then analyzed and curated consistent with Society of Invertebrate Paleontology Standards. The remainder of the deposit within the limits of excavation (trench walls) shall be left intact and so documented.
 - 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 forms for the San

Diego Natural History Museum) the resource(s) encountered during the Paleontological Monitoring Program in accordance with the City's Paleontological Guidelines. The forms shall be submitted to the San Diego Natural History Museum 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. 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 submit to MMC via the RE via fax by 8AM on the next business day.

b. Discoveries

All discoveries shall be processed and documented using the existing procedures detailed in Sections III - During Construction.

c. Potentially Significant Discoveries

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

- d. The PI shall immediately contact the RE and MMC, or by 8AM on 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.

V. Post Construction

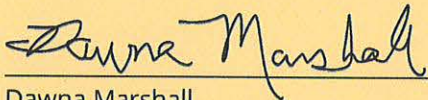
A. Preparation and Submittal of Draft Monitoring Report

1. The PI shall submit two copies of the Draft Monitoring Report (even if negative), prepared in accordance with the Paleontological Guidelines which describes the results, analysis, and conclusions of all phases of the Paleontological Monitoring Program (with appropriate graphics) to MMC via the RE for review and approval within 90 days following the completion of monitoring.
 - a. For significant paleontological resources encountered during monitoring, the Paleontological Recovery Program or Pipeline Trenching Discovery Process shall be included in the Draft Monitoring Report.
 - b. Recording Sites with the San Diego Natural History Museum
The PI shall be responsible for recording (on the appropriate forms) any significant or potentially significant fossil resources encountered during the Paleontological Monitoring Program in accordance with the City's Paleontological Guidelines, and submittal of such forms to the San Diego Natural History Museum 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 Fossil Remains
1. The PI shall be responsible for ensuring that all fossil remains collected are cleaned and catalogued.
- C. Curation of artifacts: Deed of Gift and Acceptance Verification
1. The PI shall be responsible for ensuring that all fossil remains associated with the monitoring for this project are permanently curated with an appropriate institution.
 2. The PI shall submit the Deed of Gift and catalogue record(s) to the RE or BI, as appropriate for donor signature with a copy submitted to MMC.
 3. The RE or BI, as appropriate shall obtain signature on the Deed of Gift and shall return to PI with copy submitted to MMC.
 4. 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 two copies of the Final Monitoring Report 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.

VIII. CERTIFICATION

Copies of the Addendum, the adopted MND, the Mitigation Monitoring and Reporting Program, and associated project-specific technical appendices if any, have been placed on the City's CEQA webpage at <https://www.sandiego.gov/ceqa/final>.



Dawna Marshall
Senior Planner
Development Services Department

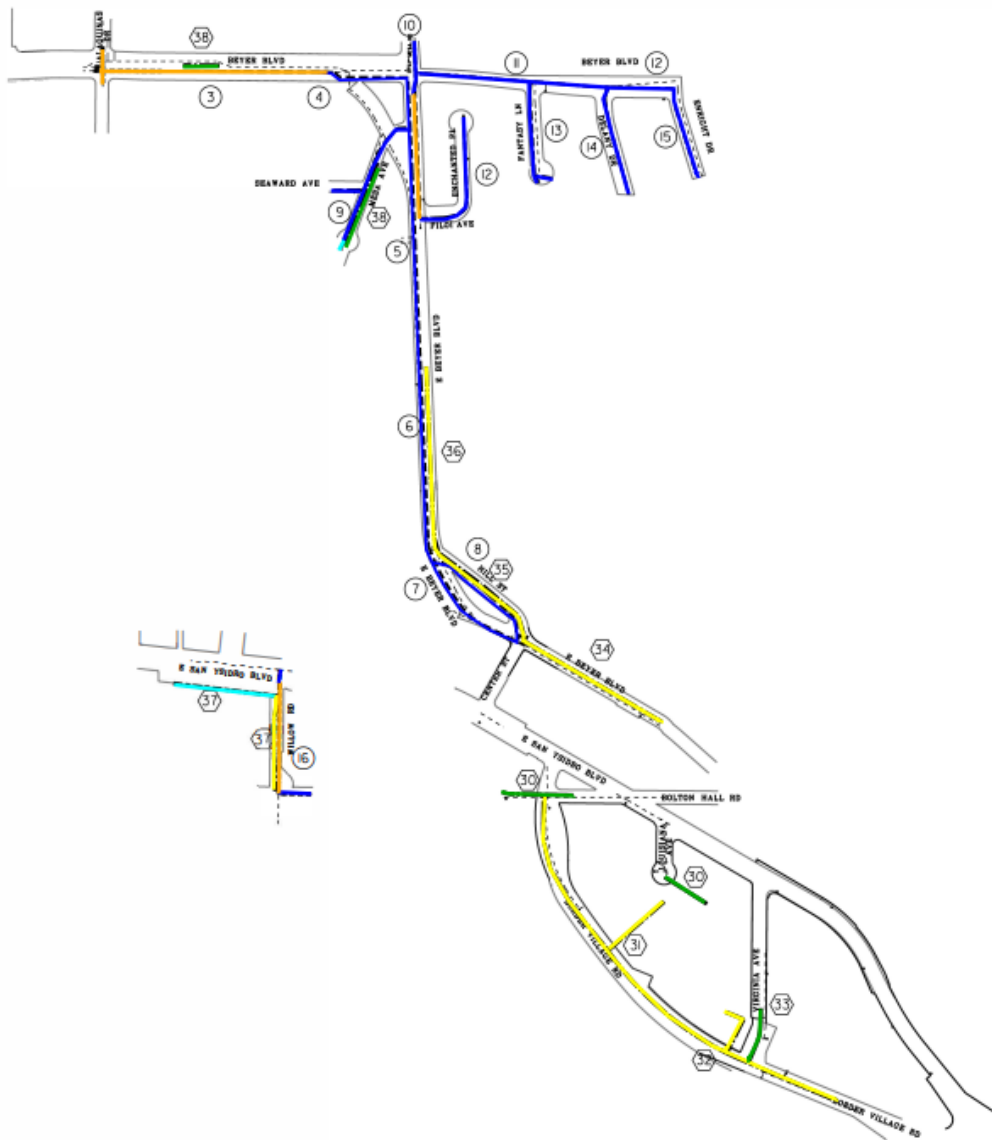
January 12, 2022

Date of Final Report

Analyst: M. Dresser

Attachments:

Figure 1: Location Map



WATER & SEWER LEGEND

PROP. WATER MAIN - - - - -
 PROP. SEWER MAIN - - - - -
 REHAB SEWER MAIN - - - - -
 PROP. WATER MAIN SHT. NO. ①
 PROP. SEWER MAIN SHT. NO. ②

- Replace in place water pipe
- New water pipe
- New sewer pipe
- Replace in place sewer pipe
- Sewer Rehab



Location Map

Sewer and Water Group 1040/Project No. 704120

City of San Diego – Development Services Department

FIGURE
No. 1