



THE CITY OF SAN DIEGO

ADDENDUM TO MITIGATED NEGATIVE DECLARATION

Project No. 635078
Addendum to MND No. 255100
SCH No. 2011091045

SUBJECT: Balboa Park Pipeline Replacement, Phase II: The proposed scope of work would include replace-in-place, tunneling, and new installation (i.e. new alignment – trenching) of approximately 11,258 linear feet (LF) of water mains and services and 2,419 LF of sewer mains and services. Nine sewer manholes will be replaced-in-place and four new manholes to be installed on undisturbed soils. Approximately 161 cubic yards of excavation is proposed in the new sewer alignments 10 feet or deeper. The project would also include the abandonment of 10,292 LF of existing water mains extending from the public right-of way into Balboa Park and the San Diego Zoo's parking lot. The project would also include the following improvements: installation of curb ramps, laterals, cleanouts, water meters, water boxes, slurry seal, manholes and street resurfacing. The entire project is generally bounded by Park Blvd from Weber Avenue to Upas Street and Richmond Street to the east. This work would occur within City-owned property and right-of-way. Park Blvd is adjacent to the City's Multi-Habitat Planning Area (MHPA). Work would occur within Historical Resources Board (HRB) Site #1. **APPLICANT:** City of San Diego Public Works Department

I. SUMMARY OF PROPOSED PROJECT

The proposed scope of work would include replace-in-place, tunneling, and new installation (i.e. new alignment – trenching) of approximately 11,258 linear feet (LF) of water mains and services and 2,419 LF of sewer mains and services. Approximately 2,008 LF of existing 6- inch vitrified clay (VC), and 6- inch concrete sewer pipes will be replaced-in-place in the same trench alignment via tunneling methods (i.e., pipe bursting) no excavation involved, and 411 LF with open trench methods, at the same depth with new 4- inch and 8- inch high-density polyethylene (HDPE) piping. Nine sewer manholes will be also replaced-in-place and four new manholes to be installed on undisturbed soils by trenching an approximately 8ft by 8ft with a depth of 4ft to 17ft. Approximately 4,683 LF of existing 1-inch, 3-inch, 4-inch, 6-inch, 8-inch, 12-inch, and 16-inch AC and CI water pipes, will be replace in place via open trench, and approximately 6,575 LF of new 8-inch, 12-inch, 16-inch polyvinyl chloride (PVC) water pipes will be installed in new alignments via open trench. Approximately 161 cubic yards of excavation is proposed in the new sewer alignments 10 feet or deeper.

The project would also include the abandonment of 10,292 LF of existing water mains extending from the public right-of way into Balboa Park and the San Diego Zoo's parking lot. All abandonment of these water mains will be slurry-filled.

The project would also include the following improvements: installation of curb ramps, laterals, cleanouts, water meters, water boxes, slurry seal, manholes and street resurfacing.

More specific descriptions of construction methods are as follow:

Open Trenching: The open trench method of construction will be used for complete replacement portions of the Project. Trenches are typically 3-5 feet wide and are dug with excavators and similar large construction equipment. All trenching work would occur within the City's property, public right-of-way and easements (see attached plan sheets and maps).

Abandonment: Pipeline abandonment activities will have minimum surface/subsurface disturbance at both ends of the mains. Disturbance would be limited to removal of manholes and exposed pipe sections. All abandonment would occur within City's property and right-of-way.

Potholing: Potholing will be used to verify utility crossings. These 'potholes' are made by using vacuum type equipment to open up small holes into the street or pavement.

Tunneling: Part of replacing the existing sewer mains for this project is to use Pipe Bursting (trenchless) method. With this technology most of the ground surface remains undisturbed, lessening the environmental impact of placing pipe. In this method one manhole will be used as an insertion pit for equipment to break the existing pipe and pull a new pipe through while another manhole is used as receiving pit. Area traffic flow continues without interruption. Communities remain relatively undisturbed and visually pleasing.

II. ENVIRONMENTAL SETTING

The *Balboa Park Pipeline Replacement Phase II* project is located within the Balboa Community Plan area (Council District 3). The entire project is generally bounded by Park Blvd from Weber Avenue to Upas Street and Richmond Street to the east. This work would occur within City-owned park property and right-of-way. Park Blvd is adjacent to the City's Multi-Habitat Planning Area (MHPA). The project would affect the following streets: Park Blvd., Richmond Street, Zoo Drive, Zoo Place, Village Place, Old Globe Way, El Prado. Work would occur within Balboa Park, HRB Site #1. See attached MND for the environmental setting for the overall Citywide Pipeline Projects.

III. SUMMARY OF ORIGINAL PROJECT

A Citywide Pipelines Projects Mitigated Negative Declaration (MND) No. 255100 was prepared by the City of San Diego's Development Services Department (DSD) and was certified by the City Council on November 30, 2011 (Resolution No. 307122), hereby referenced as Citywide Pipelines MND. The Citywide Pipelines MND provides for the inclusion of subsequent pipeline projects that are located within the public right-of-way and

would not result in any direct impacts to sensitive biological resources. Pursuant to the City of San Diego's Municipal Code Section 128.0306 and Section 15164(c) of State CEQA Guidelines addenda to environmental documents are not required to be circulated for public review.

IV. ENVIRONMENTAL DETERMINATION

The City previously prepared and certified the Citywide Pipelines MND No. 255100 /SCH No. 2011091045. Based on all available information in light of the entire record, the analysis in this Addendum, and pursuant to Section 15162 of the State CEQA Guidelines, the City has determined the following:

- 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 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 conditions described in Section 15162 calling for the preparation of a subsequent EIR or negative declaration have occurred. 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. Public review of this Addendum is not required per CEQA.

V. IMPACT ANALYSIS

The following includes the project-specific environmental review pursuant to the CEQA. The Citywide Pipelines MND determined the potential to impact Historical/Cultural Resources (Archaeology, Built Environment) and Land Use (MHPA). The analysis in this document evaluates the adequacy of the MND relative to the project.

Historical Resources (Archaeology)

Citywide Pipelines MND

The Citywide Pipelines MND concluded that pipeline projects located within the public right-of-way and city easements could result in significant environmental impacts relating to archaeological resources, and included mitigation to reduce impacts to archaeological resources to below a level of significance. Portions of the project area identified with the Balboa Park Pipeline Phase III project would include excavation of previously undisturbed soil which has the potential to contain sensitive archaeological resources.

To reduce potential project impacts, to archaeological resources, to below a level of significance, excavation within previously undisturbed soil, for either new trench alignments or for replacement of pipelines within the same trench alignment occurring at a deeper depth than the previously existing pipeline, would be monitored by a qualified archaeologist or 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) detailed in Section V.

Project

The City of San Diego archaeological resource sensitivity maps identify the project site as being sensitive for the discovery of archaeological resources. Therefore, archaeological and Native American monitoring will be required during all of the project's ground disturbing activities in previously undisturbed soil to reduce potentially significant impacts to archaeological resources to a less than significant level. This monitoring is included in Section VI of this MND.

Historical Resources (Built Environment)

Citywide Pipelines MND

The Citywide Pipelines MND concluded that pipeline projects located within the public right-of-way and city easements could result in significant environmental impacts relating to historical resources. Projects located in a historical district must incorporate mitigation to

reduce impacts to the historical district to below a level of significance. This mitigation measure does not apply because the project is not in a historic designated district.

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. 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).

Project

The project is located within the site boundaries of HRB Site #1, locally designated historical resource. The project has been reviewed and designed to comply with the U.S. Secretary of the Interior's Standards. Notes were added to plans within Spanish Village to indicate that pavers are to be protected and replaced in kind if disturbed. The project is also consistent with the *Historical Resources Regulations*. The project is not located within a historic district. Therefore, no impacts would occur to historical resources (built environment) as a result of the project and no mitigation is required.

Land Use

Citywide Pipelines MND

The Citywide Pipelines MND concluded that future pipeline projects would involve replacing and installing utility infrastructure located within proximity to the City's MHPA which is covered by the MSCP Subarea Plan. No conflicts are anticipated because implementation of the MHPA Land Use Adjacency Guidelines would be required for any project located within 100 feet from the MHPA. 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. With mitigation incorporated, impacts would be less than significant.

Project

Due to the site's location adjacent to the MHPA, mitigation measures have been included to implement MHPA Land Use Adjacency Requirements as well as noise reduction measures for the following protected avian species that may occur on site: California Gnatcatcher. With mitigation measures listed un Section VI of this MND incorporated, impacts would be less than significant.

Paleontological Resources

Citywide Pipelines Project MND

The Citywide Pipelines MND analyzed paleontological resources in relation to pipeline projects, which included mitigation to reduce impacts to paleontological resources to below

a level of significance. The project area is underlain by geologic formations that, with respect to paleontological fossil resource potential, are assigned a moderate and high sensitivity ratings. Based on the sensitivity of the affected formations and proposed excavation depths exceeding 10 feet, construction of subsequent pipeline projects could result in potentially significant impacts to fossil resources.

To reduce potential impacts to below a level of significance, excavation within previously undisturbed formations at a depth of 10 or more feet, for either new trench alignments and/or for replacement of pipelines within the same trench alignment occurring at a deeper depth than the previously existing pipeline, would be monitored by a qualified paleontologist or paleontological monitor. Any significant paleontological resources encountered would be recovered and curated in accordance with the mitigation monitoring and Reporting Program (MMRP) detailed in Section V of the Citywide Pipelines MND.

Project

The project appears to be underlain by Very Old Paralic Deposits, Unit 8 and Unit 9. These areas have a moderate sensitivity for paleontological resources. Project excavation would exceed 2,000 cubic yards and 10 feet in depth, thus Paleontological resources monitoring shall be required in accordance with the General Grading Guidelines for Paleontological Resources in the Land Development Manual. Monitoring is now required to comply with San Diego Municipal Code section 142.0151, and would reduce potentially significant impacts to paleontological resources to a less than significant level. No mitigation is required.

Summary

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

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

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 (CSV). The CSV's shall be emailed 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 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 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 submit to MMC via email 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.

LAND USE [MULTIPLE SPECIES CONSERVATION PROGRAM (MSCP)]

I. Prior to Construction

A. Preconstruction Meeting

The Qualified Biologist/Owners Representative shall incorporate all MHPA construction related requirements, into the project's Biological Monitoring Exhibit (BME).

The Qualified Biologist/Owners Representative is responsible to arrange and perform a focused pre-con with all contractors, subcontractors, and all workers involved in grading or other construction activities that discusses the sensitive nature of the adjacent sensitive biological resources.

- B. Prior to construction or issuance of any construction permit, the DSD Environmental Designee (ED) shall verify the Applicant has accurately represented the project's design in the Construction Documents (CDs) that are in conformance with the associated discretionary permit conditions and Exhibit "A", and also the City's Multi-Species Conservation Program (MSCP) Land Use Adjacency Guidelines for the Multiple Habitat Planning Area (MHPA), including identifying adjacency as the potential for direct/indirect impacts where applicable. In addition, all CDs where applicable shall show all requirements listed under **Land Use (MSCP), II. During Construction.**

II. During Construction

- A. The Qualified Biologist/Owners Representative, shall verify that all construction related activities taking place within or adjacent to the MHPA are consistent with the CDs, the MSCP/MHPA Land Use Adjacency Guidelines. The Qualified Biologist/Owners Representative shall monitor and ensure that:
1. **Land Development /Grading Boundaries** - The MHPA boundary and the limits of grading shall be clearly delineated by a survey crew prior to brushing, clearing, or grading. Limits shall be defined with orange construction fence, siltation fence, or staking, under the supervision of the Qualified Biologist/Owners Representative who shall provide a letter of verification to RE/MMC that all limits were marked as required. Within or adjacent to the MHPA, all manufactured slopes associated with site development shall be included within the development footprint.
 2. **Drainage/Toxics** - No Direct drainage into the MHPA shall occur during or after construction and that filtration devices, swales and/or detention/desiltation basins that drain into the MHPA are functioning properly during construction, and that permanent maintenance after construction is addressed. These systems should be maintained approximately once a year, or as often as needed, to ensure proper functioning. Maintenance should include dredging out sediments if needed, removing exotic plant materials, and adding chemical-neutralizing compounds (e.g. clay compounds) when necessary and appropriate.
 3. **Staging/storage, equipment maintenance, and trash** - Identify all areas for staging, storage of equipment and materials, trash, equipment maintenance, and other construction related activities on the monitoring exhibits and verify that they are within the development footprint. Comply with the applicable notes on the plans
 4. **Barriers** - New development adjacent to the MHPA provides city approved barriers along the MHPA boundaries
 5. **Lighting** - Periodic night inspections are performed to verify that all lighting adjacent to the MHPA is directed away from preserve areas and appropriate placement and shielding is used.
 6. **Invasives** - No invasive plant species are used in or adjacent (within 100 feet) to the MHPA and that within the MHPA, all plant species must be native.
 7. **Brush Management** - BMZ1 is within the development footprint and outside of the MHPA, and that maintenance responsibility for the BMZ 2 located within the MHPA is identified as the responsibility of an HOA or other private entity.
 8. **Noise** - For any area of the site that is adjacent to or within the MHPA, construction noise that exceeds the maximum levels allowed, shall be avoided, during the breeding seasons, for protected avian species such as: *California Gnatcatcher* (3/1-8/15). If construction is proposed during the breeding season for the species, U.S. Fish and Wildlife Service protocol surveys will be required in order to determine species presence/absence. When applicable, adequate noise reduction measures shall be incorporated.

B. COASTAL CALIFORNIA GNATCATCHER

NO CLEARING, GRUBBING, GRADING, OR OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR BETWEEN MARCH 1 AND AUGUST 15, THE BREEDING SEASON OF THE COASTAL CALIFORNIA GNATCATCHER, UNTIL THE FOLLOWING REQUIREMENTS HAVE BEEN MET TO THE SATISFACTION OF THE DSD ENVIRONMETNAL DESIGNEE:

- a. 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 COASTAL CALIFORNIA GNATCATCHER. SURVEYS FOR THE COASTAL CALIFORNIA GNATCATCHER SHALL BE CONDUCTED PURSUANT TO THE PROTOCOL SURVEY GUIDELINES ESTABLISHED BY THE U.S. FISH AND WILDLIFE SERVICE WITHIN THE BREEDING SEASON PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. IF GNATCATCHERS ARE PRESENT, THEN THE FOLLOWING CONDITIONS MUST BE MET:

BETWEEN MARCH 1 AND AUGUST 15, NO CLEARING, GRUBBING, OR GRADING OF OCCUPIED GNATCATCHER HABITAT SHALL BE PERMITTED. AREAS RESTRICTED FROM SUCH ACTIVITIES SHALL BE STAKED OR FENCED UNDER THE SUPERVISION OF A QUALIFIED BIOLOGIST; AND

1. BETWEEN MARCH 1 AND 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 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 THE DSD ENVIRONMETNAL DESIGNEE AT LEAST TWO 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
2. AT LEAST TWO 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 COASTAL 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 the DSD Environmental Designee, 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.

- b. IF COASTAL CALIFORNIA GNATCATCHERS ARE NOT DETECTED DURING THE PROTOCOL SURVEY, THE QUALIFIED BIOLOGIST SHALL SUBMIT SUBSTANTIAL EVIDENCE TO THE DSD ENVIRONMENTAL DESIGNEE AND APPLICABLE RESOURCE AGENCIES WHICH DEMONSTRATES WHETHER OR NOT MITIGATION MEASURES SUCH AS NOISE WALLS ARE NECESSARY BETWEEN MARCH 1 AND AUGUST 15 AS FOLLOWS:
 - 1. IF THIS EVIDENCE INDICATES THE POTENTIAL IS HIGH FOR COASTAL CALIFORNIA GNATCATCHER TO BE PRESENT BASED ON HISTORICAL RECORDS OR SITE CONDITIONS, THEN CONDITION A.III SHALL BE ADHERED TO AS SPECIFIED ABOVE.
 - 2. IF THIS EVIDENCE CONCLUDES THAT NO IMPACTS TO THIS SPECIES ARE ANTICIPATED, NO MITIGATION MEASURES WOULD BE NECESSARY.

III. Post Construction

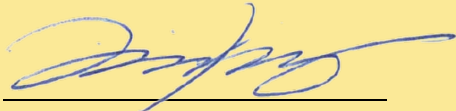
- A. Preparation and Submittal of Monitoring Report - The Qualified Biologist/Owners Representative shall submit a final biological monitoring report to the RE/MMC within 30 days of the completion of construction that requires monitoring. The report shall incorporate the results of the MMRP/MSCP requirements per the construction documents and the BME to the satisfaction of RE/MMC.

VII. IMPACT SIGNIFICANCE

The MND identified that all impacts would be mitigated to below a level of significance through mitigation. This Addendum also identifies that all significant project impacts would be mitigated to below a level of significance, consistent with the previously certified MND.

VIII. CERTIFICATION

Copies of the addendum, the adopted MND, and the Mitigation Monitoring and Reporting Program, and associated project-specific technical appendices, if any, may be reviewed online at www.sandiego.gov/ceqa, or purchased for the cost of reproduction.



Jamie Kennedy, Senior Planner
Development Services Department

5/22/20

Date of Final Report

Analyst: Jamie Kennedy

Attachments:

Figure 1: Location Map

Figure 2: Aerial Location Map

Site Plan

Mitigated Negative Declaration No. 255100/SCH No. 2011091045

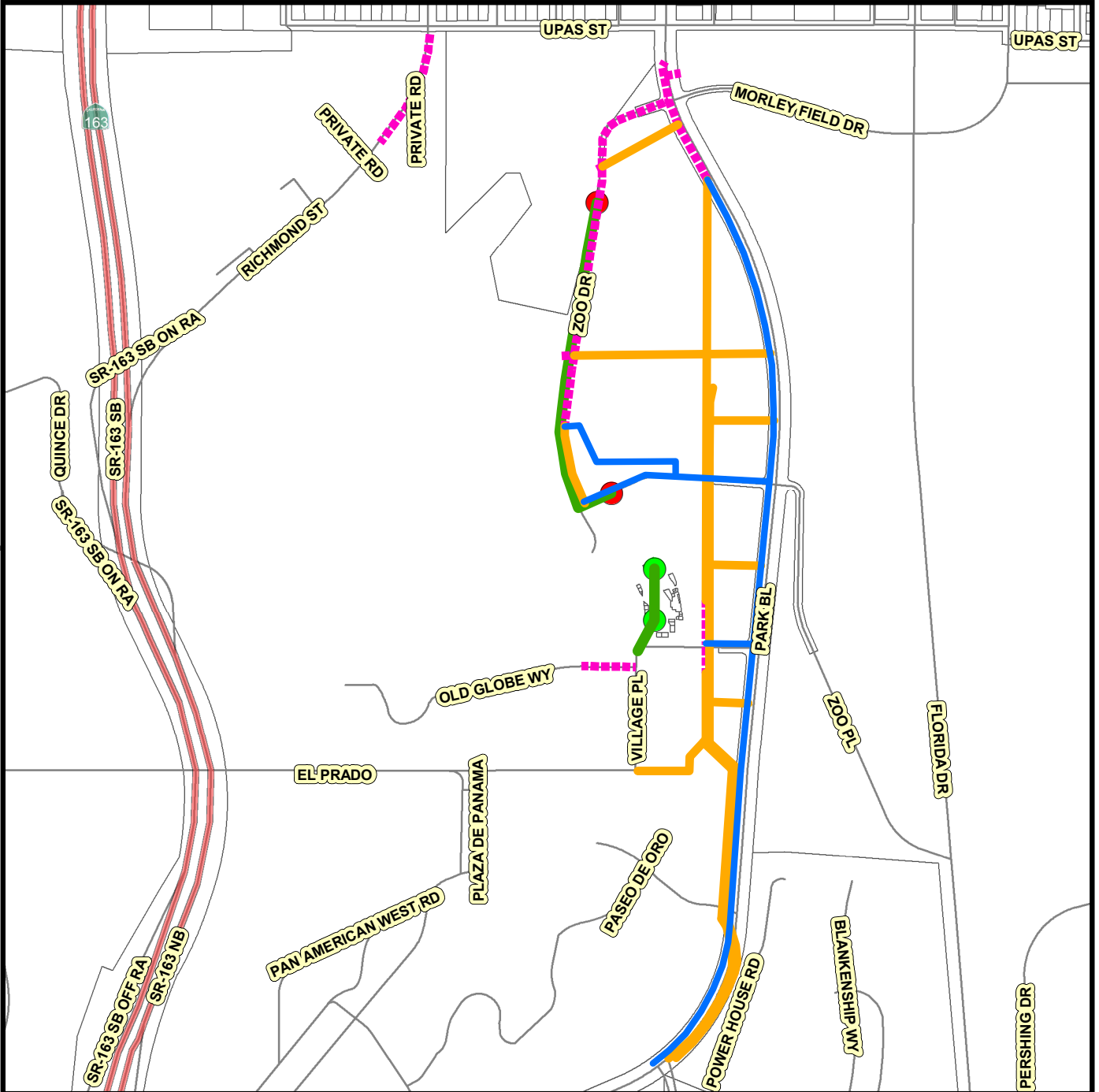
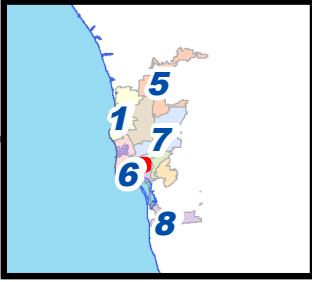
BALBOA PARK PIPELINE REPLACEMENT PHASE II

SENIOR ENGINEER
ALEX SLEIMAN, P.E.
619-533-7588

PROJECT MANAGER
SABEEN COCHINWALA
619-533-4661

PROJECT ENGINEER
SAL CASTILLO
619-533-4609

FOR QUESTIONS ABOUT THIS PROJECT
Call: 619-533-4207
Email: engineering@sandiego.gov



Legend

- | | | |
|---|--|---|
| — New Water | - - - - Water Replacement | ● New Manhole |
| — Water Abandonment | — Proposed Sewer | ● Manhole Relocation |



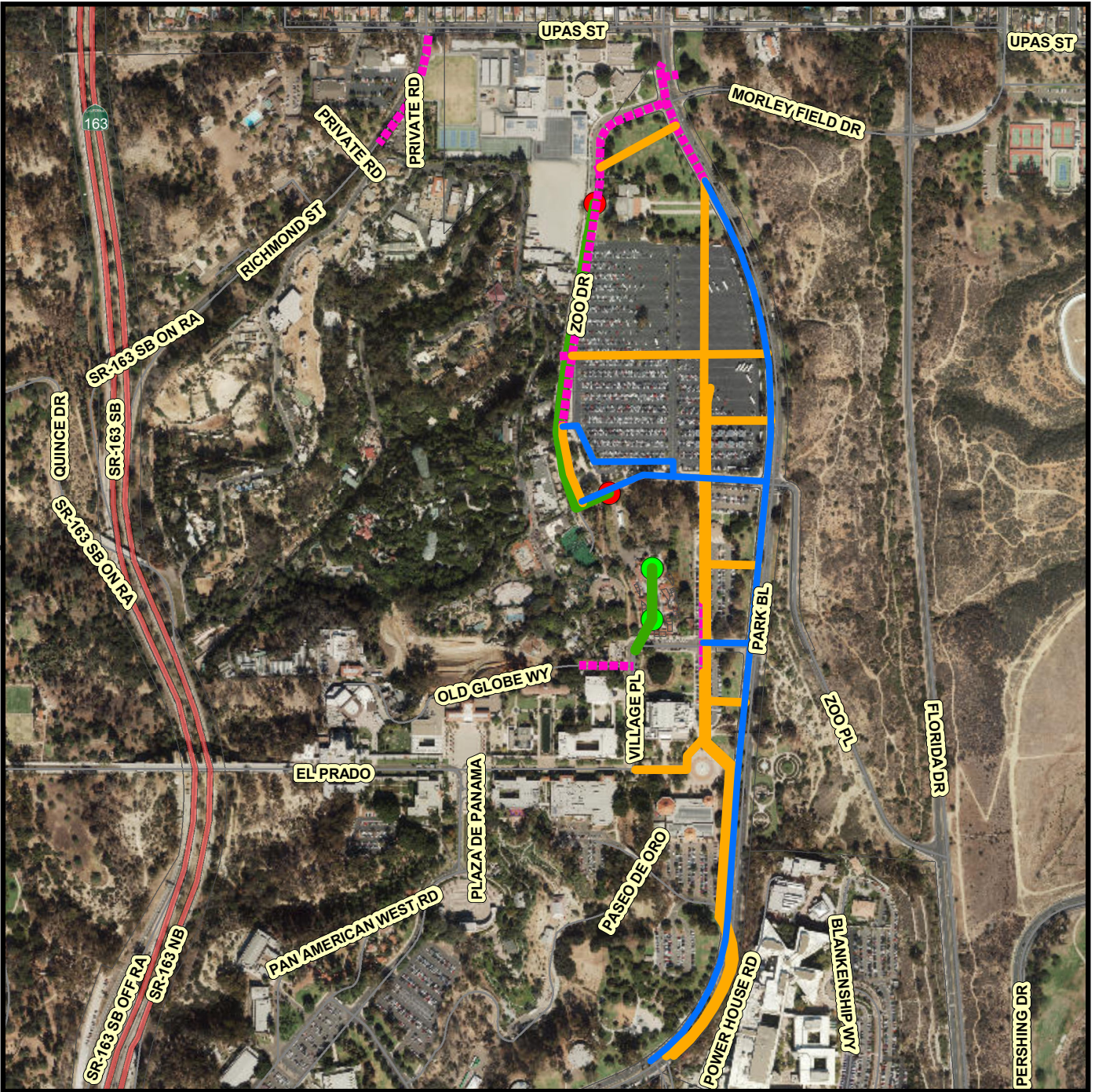
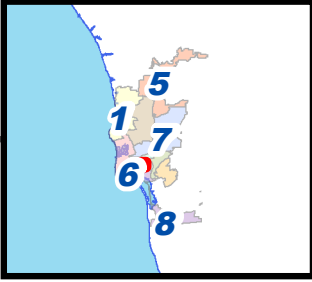
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|---|--|---|
| — New Water | - - - - Water Replacement | ● New Manhole |
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COMMUNITY NAME: BALBOA PARK

COUNCIL DISTRICT: 3

Date: March 14, 2019



SAP ID: B17140 (W) \\
B17133 (S)

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 DOCUMENTS.
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. PROVIDE A CORROSION PREVENTATIVE COATING ON ALL BURIED DUCTILE IRON PIPE AND FITTING INCLUDING ALL BENDS, TEES, CROSSES, FLEX COUPLINGS, FLANGE BOLTS, AND VALVES. THE COATING (EPOXY, FUSION BONDED EPOXY, WAX TAPE (RECOMMENDED), OR POLYURETHANE) SHALL BE HOLIDAY FREE, CONFORMING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (WHITE BOOK) SECTION 209-11.2. IF ANY PIPE MATERIALS ARE CHANGED TO METALLIC PIPE DURING THE DESIGN, DEVELOPMENT, OR CONSTRUCTION PHASE, A NEW REVIEW CYCLE BY THE CITY'S CORROSION DEPT. WILL BE REQUIRED.

CONSTRUCTION STORM WATER PROTECTION NOTES

1. TOTAL SITE DISTURBANCE AREA (ACRES) _____
HYDROLOGIC UNIT/ WATERSHED PUEBLO SAN DIEGO
HYDROLOGIC SUBAREA NAME & NO. LINDBERGH 908.2
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

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
BTWN	BETWEEN	GV	GATE VALVE	SD	EASTERN RAILROAD
CATV	CABLE TV	HDPE	HIGH-DENSITY POLYETHYLENE	SDTI	SAN DIEGO TROLLEY INC.
CI	CAST IRON PIPE	HP	HIGH PRESSURE	SO	STUB OUT
C	CENTER LINE	IE	INVERT ELEVATION	S/O	SOUTH OF
COND	CONDUIT	LT	LEFT	SWR	SEWER
CONT	CONTINUED	MJ	MECHANICAL JOINT	TEL	TELEPHONE
CONTR	CONTRACTOR	MTS	SAN DIEGO METROPOLITAN	UNK	UNKNOWN
DB	DIRECT BURIED		TRANSIT SYSTEM	VC	VITRIFIED CLAY PIPE
DI	DUCTILE IRON	MTD	MULTIPLE TELEPHONE DUCT	WM	WATER METER
EB	ENCASED BURIED	N/O	NORTH OF	WTR	WATER
				W/O	WEST OF

EXISTING STRUCTURES

EX WATER MAIN & VALVES	-----●-----	EX GROUND LINE (PROFILE)	=====
EX WATER METER & BACKFLOW PREVENTER	-----□-□-□-----	EX TRAFFIC SIGNAL	OK
EX FIRE HYDRANT	○-●	EX TRAFFIC CONTROL RISER	TR
EX SEWER MAIN & MANHOLES	-----○-----	EX STREET LIGHT	+ SL
EX DRAINS WITH INLETS AND MH'S	==●-□-□-□-----	GAS MAIN	-----○-----
EX PAVEMENT (PROFILE)	////	ELEC. COND., TEL. COND., CATV	---E---T---C---
		RAILROAD, TROLLEY TRACKS	

LEGEND

PROPOSED SEWER MAIN	-----●-----
PROPOSED WATER MAIN	-----○-----
EX WATER ABANDONMENT	-----□-----
SEWER SHEET NO	○
WATER SHEET NO	□



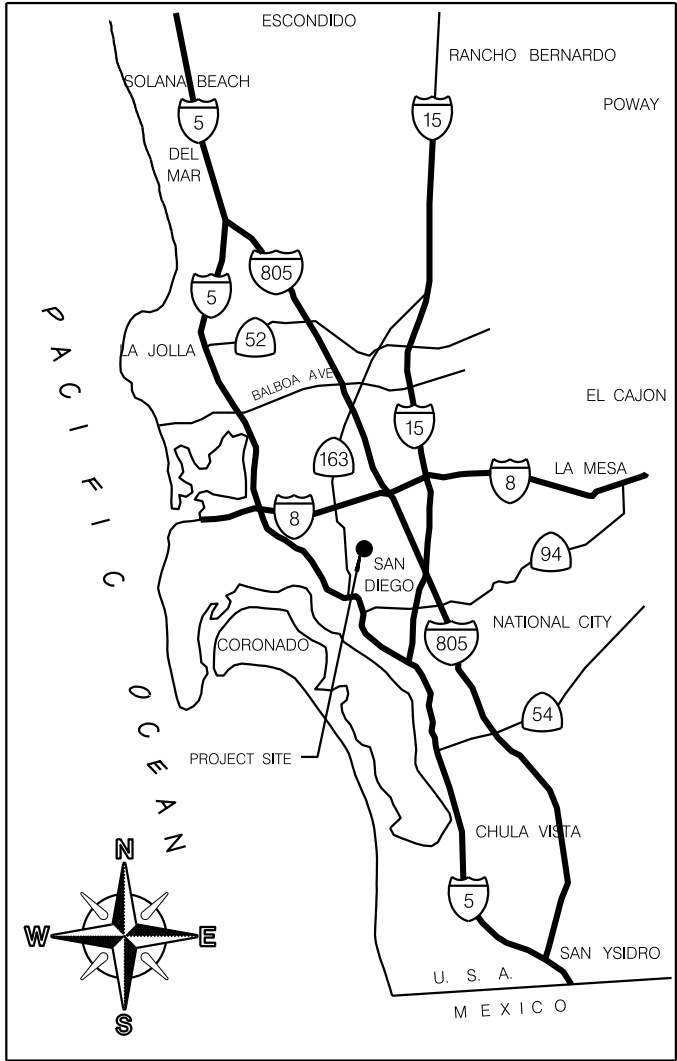
IF THIS BAR DOES NOT MEASURE 1' THEN DRAWING IS NOT TO SCALE.

SHEET INDEX

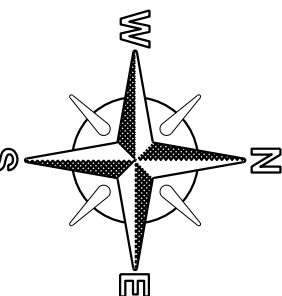
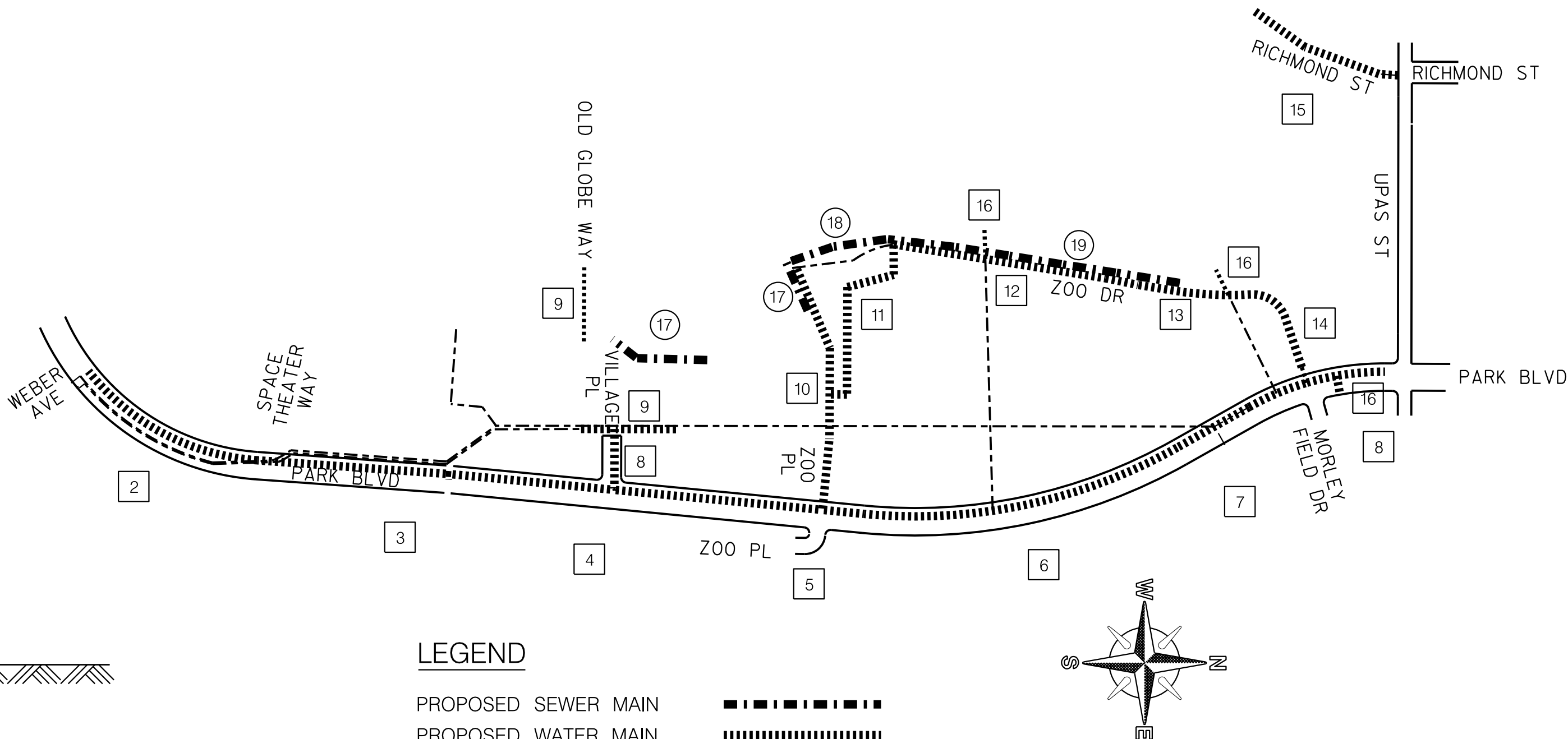
SHEET NO.	DISCIPLINE CODE	TITLE	LIMITS	PIPE		LENGTH (FT.)
				SIZE (IN)	MATERIAL	
1	G-1	COVER SHEET	WATER			
2	C-1	PARK BLVD	WEBER AVE TO SPACE THEATER WAY	16	WTR	800.00
3	C-2	PARK BLVD	STA 9+00.00 TO STA 17+00.00	16	WTR	800.00
4	C-3	PARK BLVD	STA 17+00.00 TO STA 25+00.00	16	WTR	800.00
5	C-4	PARK BLVD	STA 25+00.00 TO STA 33+00.00	16	WTR	800.00
6	C-5	PARK BLVD	STA 33+00.00 TO STA 41+00.00	16	WTR	800.00
7	C-6	PARK BLVD	STA 41+00.00 TO ZOO DR	16	WTR	800.00
8	C-7	PARK BLVD	STA 49+00.00 TO STA 50+18.47	16	WTR	118.47
8	C-7	VILLAGE PLACE	STA 1+00.00 TO PARK BLVD	8	WTR	232.74
9	C-8	OLD GLOBE WAY	STA 1+00.00 TO VILLAGE PLACE	8	WTR	285.40
9	C-8	VILLAGE PLACE	STA 1+00.00 TO STA 4+52.73	8	WTR	352.73
10	C-9	ZOO PLACE	ZOO PLACE TO PARK BLVD	12	WTR	939.90
11	C-10	SD ZOO PARKING AREA	ZOO DR TO ZOO PLACE	12	WTR	742.39
12	C-11	ZOO DR	STA 1+00.00 TO STA 9+00.00	12	WTR	800.00
13	C-12	ZOO DR	STA 9+00.00 TO 16+00.00	12	WTR	800.00
14	C-13	ZOO DR	STA 16+00.00 TO PARK BLVD	12	WTR	261.77
15	C-14	RICHMOND ST	STA 1+00.00 TO UPAS ST	12	WTR	605.17
16	C-15	ZOO DR	STA 1+00.00 TO ZOO DR	8	WTR	29.69
16	C-15	ZOO DR	STA 1+00.00 TO ZOO DR	8	WTR	70.00
16	C-15	PARK BLVD	STA 1+00.00 TO STA 1+71.29	8	WTR	71.29
17	C-16	EASEMENT	VILLAGE PLACE TO STA 4+81.31	8	SWR	381.31
17	C-16	ZOO PL	ZOO PLACE TO STA 2+95.91	8	SWR	195.91
18	C-17	ZOO DR	ZOO DR TO STA 9+00.00	8	SWR	800.00
19	C-18	ZOO DR	STA 9+00.00 TO STA 15+81.11	8	SWR	681.11
20	C-19	STREET RESURFACING		TOTAL SEWER		2,058.33
21	C-20	CURB RAMP LOCATION		TOTAL WATER		10,109.55
22	C-21	CITY FORCES				
23	C-22	WATER ABANDONMENT				
24	C-23	MONUMENTATION SHEET				
		*PERMANENT STORM WATER BEST MANAGEMENT PRACTICES (BMP)				
		-STANDARD DEVELOPMENT PROJECTS				
	T-1	TRAFFIC PLANS				

DISCIPLINE CODE

- G GENERAL
- C CIVIL
- T TRAFFIC CONTROL



VICINITY MAP
NOT TO SCALE



KEY MAP
NO SCALE

WORK TO BE DONE

CONSTRUCTION OF BALBOA PARK PIPELINE REPLACEMENT PHASE 2 CONSISTS OF THE REPLACEMENT OF APPROXIMATELY 1.92 MILES OF EXISTING 8" AC & 12" AC WATER MAINS, THE REPLACEMENT OF APPROX. 0.39 MILES OF EXISTING 8" CP & VC SEWER MAINS, WATER SERVICES, SEWER LATERALS, CURB RAMPS, AND ALL OTHER WORK AND APPURTENANCES IN ACCORDANCE WITH THE SPECIFICATIONS AND THESE DRAWINGS NUMBERED 40918-01-D THROUGH 40918-xx-D

LEGEND

IMPROVEMENTS	REFERENCE	SYMBOL
TRENCH RESURFACING	SDG-107, SDG-108	
SEWER MAIN	SDS-101, SDS-110 (TYPE C)	
SEWER MANHOLE/PVC LINED	SDS-106, SDS-107, SDS-108, SDM-113, SDS-120, M-3, SM-07	
4" SEWER LATERAL WITH C.O. UNLESS OTHERWISE SPECIFIED	SDS-102, SDS-103, SDS-104, SDS-105, SDS-110 (TYPE C), SDS-118	
CUTTING AND PLUGGING ABANDONED WATER MAIN	WP-03	
SURVEY MONUMENT	M-10, M-10A, M-10B	
WATER MAIN & APPURTENANCES	SDM-105, SDW-110, SDW-151, SDW-161	
VALVES WITH CAPS AND WELLS	SDW-109, SDW-152, SDW-153, SDW-154, WV-05	
6" FIRE HYDRANT ASSEMBLY & MARKER 2-PORT UNLESS SPECIFIED AS 3-PORT	SDM-105, SDW-104, SDW-109, SDW-152, SDW-153	
1" WATER SERVICE UNLESS OTHERWISE SPECIFIED	SDM-105, SDW-107, SDW-134, SDW-135, SDW-136, SDW-137, SDW-138, SDW-149, SDW-150, WS-03	
HIGHLINING BY CONTRACTOR	SDW-170, SDW-171, SDW-172, SDW-173, SDW-174 IF APPLICABLE	
FOR ADDITIONAL SYMBOLS SEE RESURFACING, CURB RAMP AND TRAFFIC CONTROL SHEETS.		

FIELD DATA

TOPOGRAPHY SOURCE:
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON AUGUST 22, 2017, WORK ORDER NO. B17140 (WATER), B17133 (SEWER)
BENCHMARK: SWBP UPAS ST AND PARK BLVD (PT*297), ELEV 301.803
FIELD NOTES: B17140F.PDF, QUICK/COX, 204-1722, 08/22/2017
BASIS OF BEARINGS/COORDINATES:
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING ROS 14492 NAD 83 FEET, ZONE 6 9EPOCH 1991,350, UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2014 AND CONSTRAINING TO GPS 17 (20017) AND CHECKING GPS 173, IE N 04° 04'52" W
STREETS REQUIRING 12" TRENCH CAP:
PARK BLVD

PLANS FOR THE CONSTRUCTION OF
BALBOA PARK PIPELINE REPLACEMENT
PHASE II
COVER SHEET

CONSTRUCTION CHANGE / ADDENDUM				WARNING		AS-BUILT INFORMATION	SPEC. NO.	CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 01 OF SHEETS	WATER WBS B-17140 SEWER WBS B-17133
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.	0	1				
						MATERIALS		APPROVED: FOR CITY ENGINEER ALEX SLEIMAN DATE C79741 PRINT DATE NAME RCE#	DESIGNED BY SABEEN COCHINWALA PROJECT MANAGER
						PIPE CL 235 (WATER)		CHECKED BY SAL CASTILLO PROJECT ENGINEER	
						PIPE SDR 35 (SEWER)		DESCRIPTION	ORIGINAL
						GATE VALVES		BY	SC/CK
						FIRE HYDRANTS		APPROVED	
						SEWER MANHOLES		DATE	
						REHABILITATE SEWER MANHOLES		FILMED	
						REHABILITATE SEWER MAIN			
							CONTRACTOR INSPECTOR	DATE STARTED DATE COMPLETED	40918-01-D