



# **MARINA COAST WATER DISTRICT**

## **A1/A2 RESERVOIRS AND B/C BOOSTER PUMP STATION PROJECT**

**CIP NO. GW-0112**

**APPENDICES**

December 2020

## **LIST OF APPENDICES**

- A. CEQA Mitigation, Monitoring and Reporting Plan
- B. Permit Applications
  - a. City of Marina Encroachment Permit
  - b. CSUMB Construction Right of Entry
- C. Geotechnical Investigation, MCWD A1/A2 Reservoirs and B/C Booster Pump Station, 8<sup>th</sup> Street and 6<sup>th</sup> Avenue, Marina, California, prepared by Cornerstone Earth Group, 2020

## **APPENDIX A CEQA Mitigation, Monitoring and Reporting Plan**

The full Draft Initial Study and Mitigated Negative Declaration are available on the District's website: [www.mcwd.org](http://www.mcwd.org)

The final adopted MMRP will be issued by Addendum.

## **APPENDIX B    Permit Applications**

- A.    City of Marina Encroachment Permit
- B.    CSUMB Construction Right of Entry



**City of Marina**  
**Public Works Department**  
 211 Hillcrest Ave., Marina, CA 93933 • Phone: (831) 884-1212

**APPLICATION AND PERMIT FOR ENCROACHMENT IN CITY STREET AREA**

**PERMIT NO.**

**PERMIT EXPIRATION DATE:**

**APPLICANT/CONTRACTOR**

Name: <input type="text"/>		
Address: <input type="text"/>		
Phone: <input type="text"/>	Fax: <input type="text"/>	Email: <input type="text"/>
Business License #: <input type="text"/>	Contractor State License # <input type="text"/>	
Expiration date: <input type="text"/>	Type: <input type="text"/>	
Estimated Cost of Work: \$ <input type="text"/>		
Start Date: <input type="text"/>	End Date: <input type="text"/>	Duration: <input type="text"/>

**PROPERTY/SITE INFORMATION**

Property/Site Address: <input type="text"/>
<input type="text" value="Imjin Parkway (new water pipeline)"/>
If no address available, describe location using streets, intersections, etc.:
<input type="text" value="Imjin Parkway between California Ave and Abrams Drive"/>

**PROPOSED ENCROACHMENT**

Describe Proposed Encroachment	
<p><i>Select project to be done in city's right-of-way:</i></p> <input type="checkbox"/> Driveway Approach <input type="checkbox"/> Parking Space Closure <input checked="" type="checkbox"/> Trench/Asphalt Cut <input type="checkbox"/> Landscaping <input type="checkbox"/> Storm Drain <input type="checkbox"/> Temporary Traffic Control <input type="checkbox"/> ADA Ramp <input type="checkbox"/> Curb & Gutter <input checked="" type="checkbox"/> Utility Work (Describe Below) <input type="checkbox"/> Other (Describe Below)	<p><i>Select type of work to be done:</i></p> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Replace Existing <input type="checkbox"/> Modify Existing <input type="checkbox"/> Annual Encroachment Permit Work Permit #: <input type="text"/> <input type="checkbox"/> Other: <input type="text"/>
<p><i>Provide detailed additional description of project to be done (attach plans or sketch if necessary):</i></p> <p>New water pipeline in Imjin Parkway, as shown on the plan set: MCWD A1/A2 Reservoirs and B/C Booster Pump Station, Sheet C-015. Pipeline to be installed by open-cut with in-kind pavement restoration.</p>	
<input checked="" type="checkbox"/> Plans or Sketch Attached	



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**PERMIT NO.**

**PERMIT EXPIRATION DATE:**

**APPLICANT/CONTRACTOR**

Name: <input type="text"/>		
Address: <input type="text"/>		
Phone: <input type="text"/>	Fax: <input type="text"/>	Email: <input type="text"/>
Business License #: <input type="text"/>	Contractor State License # <input type="text"/>	
Expiration date: <input type="text"/>	Type: <input type="text"/>	
Estimated Cost of Work: \$ <input type="text"/>		
Start Date: <input type="text"/>	End Date: <input type="text"/>	Duration: <input type="text"/>

**PROPERTY/SITE INFORMATION**

Property/Site Address: <input type="text"/>
<input type="text" value="2660 5th Avenue (Marina Corp Yard)"/>
If no address available, describe location using streets, intersections, etc.: <input type="text"/>

**PROPOSED ENCROACHMENT**

Describe Proposed Encroachment	
<i>Select project to be done in city's right-of-way:</i> <input type="checkbox"/> Driveway Approach <input type="checkbox"/> Parking Space Closure <input type="checkbox"/> Trench/Asphalt Cut <input type="checkbox"/> Landscaping <input type="checkbox"/> Storm Drain <input type="checkbox"/> Temporary Traffic Control <input type="checkbox"/> ADA Ramp <input type="checkbox"/> Curb & Gutter <input checked="" type="checkbox"/> Utility Work (Describe Below) <input checked="" type="checkbox"/> Other (Describe Below)	<i>Select type of work to be done:</i> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Replace Existing <input type="checkbox"/> Modify Existing <input type="checkbox"/> Annual Encroachment Permit Work Permit #: <input type="text"/> <input type="checkbox"/> Other: <input type="text"/>
<i>Provide detailed additional description of project to be done (attach plans or sketch if necessary):</i> <input type="text" value="New driveway into MCWD water tank site, and new water pipeline through the driveway and corp yard parking lot, as shown on the plan set: MCWD A1/A2 Reservoirs and B/C Booster Pump Station, Sheet C-014. Pipeline to be installed by open-cut with in-kind pavement restoration. Also includes adding a motor-operated gate to the City's fence as shown on Sheet C-019."/>	
<input checked="" type="checkbox"/> Plans or Sketch Attached	



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**APPLICATION AND PERMIT FOR ENCROACHMENT IN CITY STREET AREA**

**PERMIT NO.**

**PERMIT EXPIRATION DATE:**

**APPLICANT/CONTRACTOR**

Name: <input type="text"/>		
Address: <input type="text"/>		
Phone: <input type="text"/>	Fax: <input type="text"/>	Email: <input type="text"/>
Business License #: <input type="text"/>	Contractor State License # <input type="text"/>	
Expiration date: <input type="text"/>	Type: <input type="text"/>	
Estimated Cost of Work: \$ <input type="text"/>		
Start Date: <input type="text"/>	End Date: <input type="text"/>	Duration: <input type="text"/>

**PROPERTY/SITE INFORMATION**

Property/Site Address: <input type="text" value="5th Avenue"/>
If no address available, describe location using streets, intersections, etc.: <input type="text" value="5th Avenue between 8th Street Cut-off and Inter-Garrison Road"/>

**PROPOSED ENCROACHMENT**

Describe Proposed Encroachment	
<i>Select project to be done in city's right-of-way:</i> <input type="checkbox"/> Driveway Approach <input type="checkbox"/> Parking Space Closure <input checked="" type="checkbox"/> Trench/Asphalt Cut <input type="checkbox"/> Landscaping <input checked="" type="checkbox"/> Storm Drain <input type="checkbox"/> Temporary Traffic Control <input type="checkbox"/> ADA Ramp <input type="checkbox"/> Curb & Gutter <input checked="" type="checkbox"/> Utility Work (Describe Below) <input type="checkbox"/> Other (Describe Below)	<i>Select type of work to be done:</i> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Replace Existing <input type="checkbox"/> Modify Existing <input type="checkbox"/> Annual Encroachment Permit Work Permit #: <input type="text"/> <input type="checkbox"/> Other: <input type="text"/>
<i>Provide detailed additional description of project to be done (attach plans or sketch if necessary):</i> <input type="text" value="New storm drain pipeline and percolation lot outfall as shown on the plan set: MCWD A1/A2 Reservoirs and B/C Booster Pump Station, Sheets C-107 and C-118. Pipeline to be installed by open-cut with in-kind pavement restoration."/>	
<input checked="" type="checkbox"/> Plans or Sketch Attached	

**TRAFFIC CONTROL (if applicable)**

*Please attach the following to the permit application*

- Traffic Control Plan\*
- Construction Schedule

\*The following minimum requirements shall be shown on the Traffic Control Plan:

- North Arrow and Scale or “NOT TO SCALE”
- Existing roadway improvements including existing speed limits, street names, striping, medians, traffic signals, pavement legends and signage
- If reducing speed for construction zones use “ROAD WORK SPEED LIMIT 25” signs
- Show entire work area including area where advance warning signs are to be placed.
- Show all proposed signs and/or MUTCD sign reference numbers in a legend

**Point of Contact**

Name		
Address		
Phone:	Fax:	Email:
Contractor City License #:	Contractor State License #:	
Expiration Date:	Type:	

**CALL FOR INSPECTION TWO (2) BUSINESS DAYS BEFORE BEGINNING WORK  
(831) 884-1212**

The permittee agrees to properly maintain said encroachment at no expense to the city and to indemnify the City from any liability arising out of or caused by said encroachment, and that all work shall be in accordance with city standards. The permittee unconditionally guarantees and implies warranty for all materials and workmanship affected by this permit for a period of one year from the date of acceptance of the work. Acceptance by the city of the work completed under this permit is not a waiver of the permittee’s obligation as stated above.

\_\_\_\_\_  
Applicant/Permittee Signature

\_\_\_\_\_  
Application Date



Permit For Encroachment (Continued)

**FOR CITY STAFF USE ONLY**

**PERMIT FEES**

<b>Item</b>	<b>Quantity</b>	<b>Unit Fee</b>	<b>Subtotal</b>
<input type="checkbox"/> Temporary Encroachment Permit	_____ EA	\$155.00	\$
<input type="checkbox"/> Permanent Encroachment Permit	_____ EA	Deposit and Fee Agreement with charges at Fully Allocated Hourly Rates for all personnel involved plus any outside costs.	\$
<b>Curb and Gutter</b>			
<input type="checkbox"/> 1-50 LF (base permit fee)	_____ LF	\$355.00	\$
<input type="checkbox"/> 50+ LF	_____ LF	\$355.00 + \$100.00/50LF	\$
<b>Sidewalk</b>			
<input type="checkbox"/> 1-250 SF (base permit fee)	_____ SF	\$355.00	\$
<input type="checkbox"/> 250+ SF	_____ SF	\$355.00 + \$100.00/250SF	\$
<input type="checkbox"/> Driveway Approach	_____ EA	\$355.00 – Residential \$455.00 – Commercial	\$
<b>Potholes</b>			
<input type="checkbox"/> 1-5 Locations (base permit fee)	_____ loc	\$570.00	\$
<input type="checkbox"/> 5+ Locations	_____ loc	\$570.00 + \$35.00/Location	\$
<input type="checkbox"/> Staging R-O-W Permit	_____ EA	\$780.00	\$
<b>Roadway Construction Inspection</b>			
<input type="checkbox"/> 1-50SF (base permit fee)	_____ SF	\$585.00	\$
<input type="checkbox"/> 50+ SF	_____ SF	\$585.00 + \$520.00/50SF	\$
<b>Traffic Control Plan/Inspection</b>			
<input type="checkbox"/> Residential	_____ EA	\$380.00	\$
<input type="checkbox"/> Arterial/Collector	_____ EA	\$405.00	\$
<input type="checkbox"/> additional days after first day	_____ days	+ \$195.00 each additional day after first day	
<input type="checkbox"/> Multiple Location	_____ EA	\$340.00 in addition to:	\$
<input type="checkbox"/> Residential Street (per day)	_____ days	\$65.00 per day	\$
<input type="checkbox"/> Art/Coll Street (per day)	_____ days	\$130.00 per day	\$
<input type="checkbox"/> Road Closure	_____ EA	\$660.00	\$
<input type="checkbox"/> number of days	_____ days	+\$130.00 per day	
<b>Receipt No.</b>		<b>Total Fee</b>	\$

**INSPECTOR COMMENTS:**

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**FOR CITY STAFF USE ONLY**

Permit For Encroachment (Continued)

**PERMIT APPROVED**  
**(To be completed by the City)**

By: \_\_\_\_\_ Date: \_\_\_\_\_

I have examined the work covered by this permit and find that it is in accordance with the standards of the City of Marina and recommend acceptance.

\_\_\_\_\_  
ENCROACHMENT INSPECTOR Date: \_\_\_\_\_

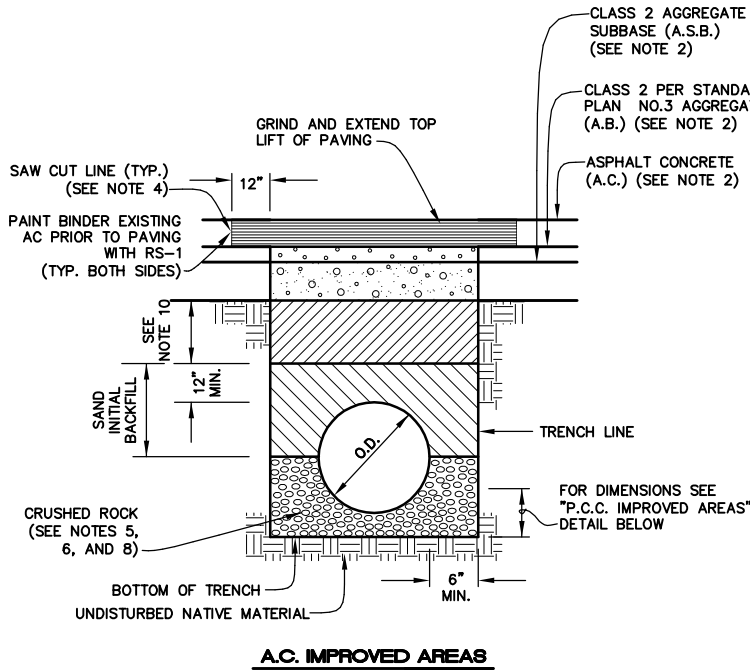
**STANDARD ENCROACHMENT PERMIT PROVISIONS**

1. All work shall be in accordance with the City of Marina Standard Specifications, Design Standards, and Standard Plans 2006 Edition, as amended (herein after called City Standards). In case of conflict between the City Standards and these Conditions of Approval, the Conditions of Approval shall prevail.
2. Temporary traffic control shall be provided in accordance with the State of California Department of Transportation MUTCD California Supplement, as amended. Traffic control plans must be submitted **two weeks prior to start of construction** and approved by the City Engineer prior to implementation.
3. Pavement restoration shall conform to "A.C. Improved Areas" or "P.C.C Improved Areas" cross-section detail as shown on City Standard Plan No. SD-1.
4. Existing traffic striping, pavement markings, and pavement markers within the limits of the proposed work that are damaged or partially damaged shall be replaced in whole. Upon request by the City Engineer, the permittee shall submit a replacement/rehabilitation plan along with the temporary traffic control plan for review and approval.
5. Existing traffic signal loop detectors within the limits of the proposed work that are damaged shall be replaced per the City Engineer.
6. Notify in writing abutting property owners at least 10 calendar days, and again in 72 hours, in advance of work which would affect their access.
7. Access to private property shall be maintained at all times unless the closing of such access is approved by the City Engineer. The permittee shall request in writing permission from the City Engineer in advance of making such closing.
8. Existing traffic signs shall be protected in place by the permittee during the construction period.
9. The permittee shall furnish, post, and maintain temporary "No Parking" signs in those parking areas in which the permittee will be working at least 72 hours in advance of parking restriction. Include reference to MMC 10.040.40G and CVC 22651(m) on "No Parking" signs.
10. No trench shall be permitted to remain open overnight or when construction activities are not in progress. Each trench shall be backfilled to the surface. The permittee shall not open more trench than can be successfully completed and backfilled in one day. Where this requirement is impracticable, the permittee shall request in writing permission from the City Engineer to extend the trench to its practical limit and to bridge the trench with steel plates. Steel plates shall be imbedded into roadway to match flush to existing grade. The bridging shall be placed to permit an unobstructed flow of traffic. Advanced warning signs shall be required when trenches and other excavation are bridged in the travel way.
11. Personal operated vehicles of the permittee's contractor(s) shall not be parked on the traveled way or shoulders, including any section closed to public traffic.
12. The permittee shall cooperate with Public Safety Department relative to handling traffic through the area and shall make arrangements relative to keeping the working area clear of parked vehicles. See Provision 9 for clarification on "No Parking" signage requirements.
13. Permittee shall follow MMC Section 9.24.040 and 15.04.055 regarding construction noise regulations.
14. Hours of construction within the intersection of Reservation Road and Crescent Avenue shall be between the hours of 8 a.m. and 4 p.m. (standard time) on Monday through Saturday, and between the hours of 10 a.m. and 4 p.m. (standard time) on Sunday and holidays. Holidays shall include New Year's Day, July 4th, Thanksgiving, and Christmas. Hours of construction on Imjin Pkwy shall be between the hours of 9 a.m. and 4 p.m.

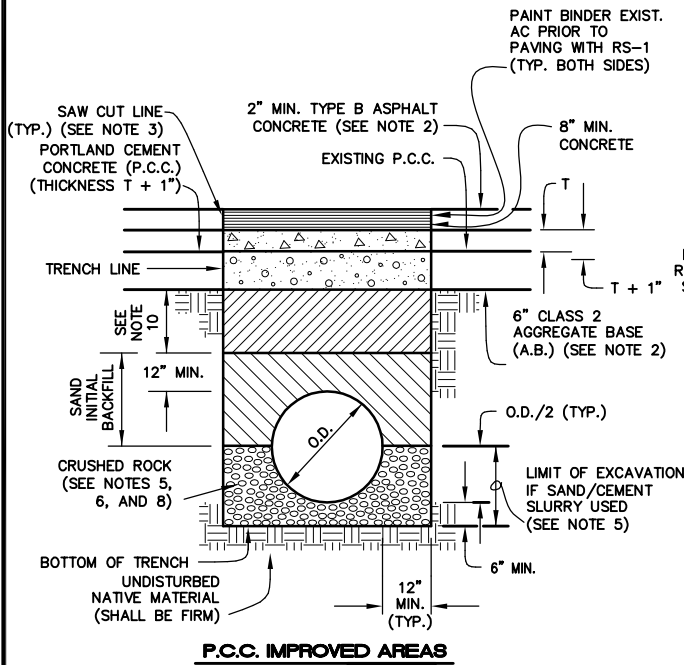
**FOR CITY STAFF USE ONLY**

**GENERAL NOTES**

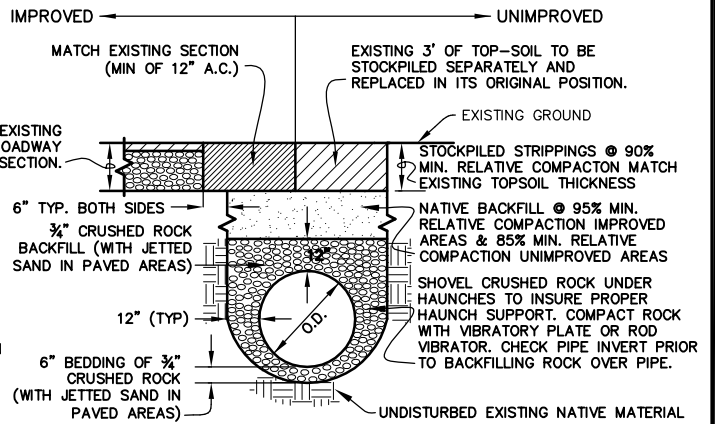
1. DRAWING NOT TO SCALE.
2. ON IMPROVED STREETS THE THICKNESS OF THE A.C., A.B. AND A.S.B. SHALL BE EQUIVALENT TO THE EXISTING ON A.C. PAVEMENT, A MINIMUM OF 6" A.C. OVER 8" A.B. IS REQUIRED.
3. FOR BACKFILL MATERIALS AND COMPACTION METHODS SEE SECTION 19-3 OF THE CITY STANDARD SPECIFICATIONS. INTERMEDIATE BACKFILL SHALL BE COMPACTED TO 95% RELATIVE COMPACTION IN UNIMPROVED AREAS.
4. ALL STREET CUTS SHALL BE NEATLY SAWCUT ON TRUE LINE TO 1 1/2" MINIMUM DEPTH.
5. TWO SACK CEMENT SLURRY BACKFILL SHALL BE USED AS INTERMEDIATE BACKFILL IF TRENCH IS LESS THAN 18" WIDE OR IN PATCH AREAS LESS THAN 100 SQ FT.
6. CRUSHED ROCK BEDDING SHALL CONFORM WITH AGGREGATE GRADATIONS OF SECTION 19-4.022A (1) OF THE CITY STANDARD SPECIFICATIONS. CRUSHED ROCK BACKFILL SHALL BE PROVIDED WITH JETTED SAND IN PAVED AREAS.
7. STRUCTURAL SECTION REQUIREMENTS SHALL NOT APPLY TO UNIMPROVED AREAS.
8. CRUSHED ROCK MAY BE REPLACED WITH INTERMEDIATE BACKFILL MATERIAL FOR ALL PIPE INSTALLATIONS OTHER THAN STORM DRAIN LINES AND SANITARY SEWER LINES PROVIDED NOTE 5 DOES NOT APPLY.
9. CRUSHED ROCK OR SLURRY CEMENT BACKFILL WILL NOT BE REQUIRED IF MONOLITHIC CONCRETE PIPE IS INSTALLED.
10. COMPACTED INTERMEDIATE BACKFILL (SEE NOTES 2 AND 5).
11. TRENCH WIDTH SHOWN ON PLANS FOR PAVEMENT RESTORATION MAY VARY FROM ACTUAL WIDTH REQUIRED TO PERFORM NECESSARY WORK DEPENDING UPON METHOD FOR TRENCH SHORING/PROTECTION USED BY CONTRACTOR.
12. ALL PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS OBLITERATED DURING CONSTRUCTION SHALL BE REPAINTED AND OR REPLACED BY THE CONTRACTOR.
13. TRENCH DIMENSION FOR ROUNDED BOTTOM CAN BE ADJUSTED SUBJECT TO CITY ENGINEER'S APPROVAL.



**A.C. IMPROVED AREAS**



**P.C.C. IMPROVED AREAS**



**TYPICAL TRENCH/BACKFILL SECTION FOR P.V.C. AND H.D.P.E. PIPE**

APPROVED:

Acting City Engineer Date

REVISION:

Date



COMMUNITY DEVELOPMENT DEPARTMENT  
PUBLIC WORKS DIVISION CITY OF MARINA

TITLE  
**STORM DRAIN TRENCH BACKFILL  
AND SURFACE RESTORATION**

STANDARD PLAN

**SD-1**

**TEMPORARY PERMIT**

The Trustees of the California State University (CSU), through California State University, Monterey Bay (CSUMB), hereby grant permission to Marina Coast Water District of Marina, CA (MCWD or Grantee) its officers, agents, and invitees, to enter upon the portion of the Trustees' property shown on Exhibit A, and to use that property to install reservoirs A1/A2 and/or booster pump station upon said property within the easement shown on said Exhibit A and ancillary water mains and pipelines upon that easement shown on Exhibit B.

The permissive rights hereby granted shall be for the period beginning \_\_\_\_\_, 2021 and ending \_\_\_\_\_, 2023, or two calendar months after the completion of construction, whichever occurs first.

Grantee agrees to indemnify, defend and hold harmless the State of California, the Trustees of the CSU, CSUMB, and the employees, volunteers, officers and agents of each of them (collectively "the Grantor"), for any loss or liability caused by, or in any way connected with, the exercise of this Permit, except those arising out of the sole negligence of the Grantor.

Additional conditions on pages 2 through 14 of this document constitute an integral part of this Permit.

**Date:** ( \_\_\_\_\_ )

**APPROVED:**

\_\_\_\_\_  
Kevin R. Saunders  
VP Administration and Finance,  
CFO CSU, Monterey Bay

**GRANTEE:** Marina Coast Water District

**APPROVED:**

By: \_\_\_\_\_

\_\_\_\_\_  
Arthur J. Evjen  
Director, Business and Support Services  
CSU, Monterey Bay

Print Name: \_\_\_\_\_

Print Title Rep for (Corporate Name):

President, Marina Coast Water District

**APPROVED AS TO FORM:**

\_\_\_\_\_  
Dawn Theodora  
University Counsel  
Office of General Counsel

# Temporary Construction Permit Terms and Conditions

## ADDITIONAL CONDITIONS OF

### PERMIT: 1) General

- a) Contractor is hereby advised that utility lines of unknown nature and origin may be present in the proposed easement area. Marina Coast Water District is to employ an independent locator service to determine location of existing utilities prior to any excavation work. Contractor must pothole and locate all utilities identified by the locating service or indicated on CSUMB as-builts and utility plans. Contact and coordinate with Marina Coast Water District, CSUMB Campus Planning and Development department prior to any excavation. CSUMB will provide existing utility plans to contractor, but does not warrant their completeness or accuracy.
- b) Contractor will provide CSUMB field notes and plan sheets in hard copy and CD format of all surveys. Where "Contractor" is used within this document, it implies Marina Coast Water District or a Contractor and/or Subcontractor working under Marina Coast Water District's direction.
- c) Contractor will advise CSU Monterey Bay, Campus Planning and Development Office (831-582-3709) of the work schedule prior to starting construction.
  - Contractor shall provide project schedule updates a minimum of once each month, and additionally whenever the progress of the work varies from the most recent schedule.
  - Schedule updates shall include a narrative listing all potential impacts to Campus operations described herein. Campus approval is required before any work may take place that impacts Campus operations as described herein.
  - Contractor must provide 30 day notice to CSUMB for review and approval of all impacts to Campus operations, especially any and all utility interruptions.
- d) The Contractor will provide the following documentation: all as-built drawings, CAD files and GIS data files electronically to the Campus Planning and Development Department within 30 days after the completion of construction. Provide a CD and a hard copy of all soils test reports Marina Coast Water District performs on the campus of CSUMB. Information shall include date of test, and GPS coordinate locations of percolation or boring test sites performed on California State University, Monterey Bay property. CAD and survey data shall have a point of beginning tied to a known campus monument and will use the campus basis of bearings.
- e) Contractor shall review and coordinate with the Trustees to incorporate reasonable architectural treatments Trustees may require up to ten percent (10%) of the base cost of construction and shall work closely with Trustees during the design process and through the duration of the project completion to develop needed architectural treatments. A summary of the base costs and architectural treatments and associated estimated costs thereof at the 75% construction document phase resulting from this coordination are further described in Exhibit C.

- f) Contractor will ensure that its employees, contractors, and agents will coordinate with the Campus Planning and Development Office with respect to other ongoing work on the campus and with respect to allowable work hours.
- g) Normal construction activities shall be performed Monday through Friday between the hours of 7:30am and 5:00pm, excluding holidays. Any weekend work after 5:00pm shall not be conducted without the prior approval by CSUMB.
- h) CSUMB will perform an initial construction document review and approval within 30 days and back check within 14 days.
- i) CSUMB will be reimbursed for the time required to complete the project including but not limited to staff time, consultants or inspections.
- j) Campus review of construction documents shall include but shall not be limited to review for conformance to: SWPP requirements; fencing and safety requirements; waterline engineering standards; compaction requirements; site restoration plans; conformance to all applicable building codes;
- k) Construction shall conform to all applicable: building codes; air and water pollution control requirements; mitigation monitoring and reporting programs as required by CEQA; SWPP requirements;
- l) The Contractor shall not cause or allow sounds to be produced in excess of 65 decibels measured at the job site between the hours of 7:00 p.m. and 7:00 a.m. The Contractor shall not cause or allow sounds to be produced in excess of 85 decibels measured at the job site between the hours of 7:00 a.m. and 7:00 p.m. without the consent of the University;
- m) If the Contractor discovers any artifacts during excavation and/or construction, the Contractor shall stop all affected Work and notify the Trustees, who will call in a qualified archaeologist designated by the California Archaeological Inventory to assess the discovery and suggest further mitigation, as necessary. If the Contractor discovers human remains, the Contractor shall notify the Trustees who will be responsible for contacting the county coroner and a qualified archaeologist. If the remains are determined to be Native American, the Trustees shall contact the appropriate tribal representatives to oversee removal of the remains.
- n) Contractor will observe all of the University activities as described:
  - Commencement –May 14-20, 2020, expected May 14-20, 2021 (No closing of campus roadways)
  - Student Move In August 20-24, 2019, (No closing of campus roadways)
  - Assessment/final exam periods - December 17-21, 2019, May 13-17, 2020 (limit noise near Library)
- o) Control the conduct of labor forces and prevent unwanted interaction initiated by workers with the staff, students or other individuals not associated with the project. In the event that any worker initiates unwarranted interaction, or in the opinion of the University's Representative conducts him/herself in an offensive or unprofessional manner,

immediately remove the worker from the project and replace with another worker of equivalent technical skill at no cost to CSUMB.

- p) All contractor personnel associated with the project shall wear shirts at all times, no smoking is permitted anywhere on CSU property and no radios other than 2-way communication type are allowed on the project site.
- q) The contractor shall limit their use of site and premises to allow for:  
Work by others as designated by the University,  
Maintain constant access for fire fighting or rescue equipment,  
Accessibility for the disabled,  
Access for trash removal.
- r) Contractor shall bear all expenses to restore any element of the campus that they damage or destroy to equal or better condition.
- s) Contractor shall perform a site survey along the areas upon which construction shall occur prior to the start of construction to familiarize themselves with and document existing site features/improvements.
- t) Any liability regarding disagreement as to pre-construction condition of site utilities not properly documented shall accrue to the contractor.
- u) Contractor shall restore all site features including but not limited to: hardscapes; landscape; irrigation; and utilities disturbed as part of the work to pre-construction condition or better.
- v) Restoration of any and all site improvements regardless of unknown site conditions or other conditions that are not observable as part of a site survey.
- w) If any utility is affected, the Contractor must provide a temporary connection to the affected utility/facility/area reestablishing service within four (4) hours of occurrence with due diligence at no additional cost to the University.
- x) All construction areas are to be kept clean, safe, and orderly at all times. The contractor shall assume full responsibility for protection and safekeeping of products and equipment stored on premises.
- y) Prior to starting construction, the contractor shall obtain University parking permits and instructions from University Department of Parking and Transportation at 831-582-3573. All workers and suppliers shall observe University traffic and parking regulations and park in areas designated by the University. No vehicles shall be parked on lawn areas or within the drip line of any tree.
- z) All contractors performing ground disturbing activities are required to participate in a 1 hour Unexploded Ordinance (UXO) training provided by the US Army Corp of Engineers.

## **2) General Continued**

- a) The construction will seek to avoid the removal of any existing trees. A qualified biologist or arborist will provide a report of the type, size and location of any trees to be removed. MCWD will pay CSUMB for the cost of replacing trees at a 2:1 (replacement: removal) rate at the time any other fees are paid to CSUMB.
- b) Any ice plant or other invasive species disturbed as a result of the construction process will be placed in a Contractor supplied waste dumpster and discarded off site.
- c) Contractor shall protect adjoining property and nearby buildings, roads, and other facilities and improvements from dust, dirt, debris and other nuisances arising out of Contractor's operations or storing practices. Dust shall be controlled by sprinkling or other effective methods acceptable to Trustees. An erosion and sedimentation control program shall be initiated, which includes measures addressing erosion caused by wind and water sediment in runoff from site. A regular watering program shall be initiated to adequately control the amount of fugitive dust in accordance with applicable Air Quality Management District (AQMD) rules, see Article 4.03, subsections: a-Air Pollution Control and b-Water Pollution Control.

### **3) Temporary Services**

- a) No temporary services are allowed on the campus of California State University, Monterey Bay without prior written approval from the Director of Campus Planning & Development.
- b) Conditions of Use:
  - i) Keep temporary services and facilities clean and neat in appearance.
  - ii) Operate in a safe and efficient manner.
  - iii) Take necessary fire prevention measures.
  - iv) Do not allow hazardous, dangerous, or unsanitary conditions or public nuisances to develop or persist on the site.
- c) In addition to other requirements and regulations contained herein, comply with regulations of the authorities having jurisdiction, including but not limited to:
  - i) Utility company regulations.
  - ii) Police, Fire Department, and Rescue Squad rules.
  - iii) Environmental protection regulations.
  - iv) University Health and Life Safety regulations, procedures, and requirements.
  - v) University Hazardous Materials consultant directives.
- d) Electrical Service: Electrical service from the university is not available at the construction site.
- e) Temporary telephone and DATA is available at the Grantee's request and at the Grantee's expense to get them to a location on the project site. A monthly fee will be charged for campus telephone & DATA.



- f) Install temporary toilets for the crew(s) as required. Using toilets within CSUMB buildings are prohibited. At no time shall there be less than the State-required number (based upon actual staffing levels) of combined operating toilets and/or portable toilets provided and readily accessible to the construction work force.
  - i) All portable toilets shall be located within the fenced staging yard or within the boundary fence of the trenching operation.
  - ii) Maintain temporary toilets in a clean and sanitary condition on the construction site for the duration of the project. Units shall be routinely maintained and inspected.

#### **4) Temporary Fencing :**

- a) Provide, install, and maintain a minimum of a 4' high plastic "snow" fence at the entire perimeter of the pipeline work areas and a 6' high chain link staging yard fencing over at all staging and laydown yards, alternative forms of site security may be mutually agreed upon and reviewed periodically.
  - i) Design and install to prevent easy access to site by people and animals.
  - ii) Locate fence as required to ensure complete security of entire site.
  - iii) Provide gates as required for access.
  - iv) Place a legible "No Trespassing" sign on every other chain link panel.
  - v) Provide locks and keys for all gates in temporary fencing. Provide emergency access keys to Campus Police
  - vi) Submit temporary facility and fencing location layout plan for review and approval by the University prior to occupying any portion of the site and prior to issuance of Notice to Proceed.
- b) Preserve the natural resources within the project boundaries and outside the limits of permanent work.
- c) Confine construction activities to within the limits of the work indicated or specified. Work shall not exceed 7.5' to each side of the recorded easements. Temporary Fencing shall be placed at this limit of construction.

#### **5) Protection**

- a) Contractor shall take all necessary precautions to prevent injury to the public, building occupants, or damage to property of others, and be responsible for all associated costs. For the purposes of this agreement, the public or building occupants shall include all persons not employed by Contractor.
- b) All work shall conform to the Cal Trans Temporary Pedestrian Facilities Handbook available at:  
[http://www.dot.ca.gov/hq/construc/safety/Temporary\\_Pedestrian\\_Facilities\\_Handbook.pdf](http://www.dot.ca.gov/hq/construc/safety/Temporary_Pedestrian_Facilities_Handbook.pdf)
- c) Work shall not be performed in any area occupied by the public or Owner's employees unless specifically permitted by the Contract or otherwise provided for in writing by the Owner and shall include adequate measures for the protection of the public, students, and CSUMB employees.

- d) In all cases, the work area shall be fenced, barricaded, or otherwise blocked off from the public or building occupants to prevent unauthorized entry into the work area.
- e) Alternate Precautions: When the nature of the Work prevents isolation of the work area, and the public or building occupants may be in or pass through, under or over the work area, alternate precautions may be provided during daytime periods of work only. These precautions shall include, but not be limited to the posting of signs, the use of signal persons, the erection of barricades or similar protection around particularly hazardous operations, trench plates, etc. All alternate precautions shall be approved by the CSUMB inspector.
- f) When Work is to be performed over a public thoroughfare such as a sidewalk, lobby, or corridor, the thoroughfare shall be closed, if possible, or other precautions taken such as the installation of screens or barricades. When the exposure to heavy falling objects exists, as during the erection of building walls or during demolition, special protection of the type detailed in 29 CFR 1910/1926 shall be provided.
- g) Temporary Fences and barricades shall be removed upon completion of the project to the satisfaction of the University's Representative.
- h) Storing, positioning or use of equipment, tools, materials, scraps, and trash in a manner likely to present a hazard to the public or building occupants by its accidental shifting, ignition, or other hazardous qualities is prohibited.
- i) All equipment shall be equipped with functioning backup alarms, and there shall be a flag person isolating equipment from the public at all times equipment is operating in the proximity of the public.

## **6) Work within areas of pedestrian access**

- a) Sidewalk closures and restrictions:
  - i) Use State of California, Department of Transportation (Cal-Trans) standard reflectorized signage where required to indicate closure of sidewalks, temporary revisions to crosswalks and other impacts to normal pedestrian walk routes.
  - ii) Where sidewalks which are partially restricted due to construction activities, a minimum width of 48" shall be maintained.
  - iii) Where portions of a sidewalk are temporarily closed, temporary fencing shall be placed at the nearest intersection to prevent the site impaired from traveling in a direction which will require them to eventually stop and return to said intersection. Pedestrian detour signs and "sidewalk closed" signs shall also be provided at the point of closure.

## **7) Maintenance of thoroughfares**

- a) Pedestrian thoroughfares and crossings shall be maintained in a safe, clean condition, free of dirt, gravel and other debris resulting from construction operations at all times.
- b) Where work occurs on or adjacent to pedestrian thoroughfares, Contractor shall employ adequate measures (such as sandbagging, earthen barriers, etc.) to ensure that walks are protected from overflow of construction materials or runoff into the pedestrian area.

- c) Where work occurs on or adjacent to pedestrian thoroughfares, Contractor shall employ adequate measures to ensure that walks are protected from hazards related moving equipment and/or materials.

## **8) Work within roadways and parking areas**

- a) All construction activities which occur within campus streets and parking areas shall comply with the most current Cal-Trans standards for traffic control, signage and barricading.
- b) Contractor shall provide trained and equipped flagger to regulate traffic when construction operations or traffic encroach on University or public traffic lanes and walking areas. Flagger Requirements are as follows:
  - i) Whenever existing traffic lanes are altered, contractor shall provide properly equipped and trained flagger to direct traffic. Comply with most current Cal-Trans standards and "Instructions to Flaggers".
  - ii) Whenever a section of two-way traffic is temporarily reduced to one lane, a minimum of two flagmen shall be provided to ensure proper traffic control in each direction. Two-way radio devices shall be used for communication between the flagmen where both direct line of site and audible communication cannot be maintained.
  - iii) Flagmen shall be dedicated solely to traffic and pedestrian control and shall not perform additional duties while assigned as flagmen.
  - iv) Flagman shall be trained and shall direct pedestrians and traffic in accordance with the requirements set forth below.
  - v) Contractor is advised that the Campus Community includes a large volume of students and staff with disabilities, including but not limited to wheel chair users, persons with hearing impairments, and persons with sight impairments; for this reason, escorting of equipment and vehicle traffic with flagmen shall be required as necessary.
- c) All temporary traffic control signage shall comply with California Vehicle Code Section 21400 and Cal-Trans standards. All signage shall be reflectorized.
- d) Where trenches, excavations or other work is required within streets, the Work shall be scheduled so as to maintain a minimum of one open traffic lane. A minimum of two lanes as required to allow safe 2-way traffic shall be restored prior to completion of Contractor's operations each day. All roadways will remain open to two way traffic during Commencement as noted in General Conditions section (i).
- e) All work within Campus streets and parking areas requires approval of Contractor's work schedule prior to commencement of work.

## **9) Steel plating**

- a) Where temporary traffic controls must remain in place overnight or at other times when Contractor is not continuously present in the work area, cones, plastic delineators and other lightweight traffic control devices subject to displacement shall not be used for traffic control.

- b) Where temporary fencing and/or barricades remain in place overnight, weighted barricades with flashing amber lights shall be used to delineate the protruding corners of the of the work area enclosure at the approach from each direction.
- c) Where trenches or excavations are directly adjacent to a drive lane, the trench shall be plated in accordance with Cal-Trans standards, or concrete barricades (k-rail) shall be installed to protect vehicle traffic from entering the excavation during times when the work area is not manned by Contractor.
- d) Where trenches or excavations of a depth of 4'-0" or greater are directly adjacent to a drive lane or pedestrian walk, install 6' high chain link staging yard protective fencing a minimum horizontal distance of 4'-0" from the edge of the excavation.
- e) All traffic plates shall be beveled in the direction of vehicle traffic and secured in place.
- f) Comply with the most current Cal-Trans standards for sizing of traffic plates and shoring of trenches.

#### **10) Traffic controls**

- a) Traffic signs shall be installed at approaches to construction work, crossroads, detours, parking areas, and elsewhere as needed to direct construction and affected public traffic.
- b) Contractor shall control traffic to maintain orderly flow in areas under Contractor's control and areas affected by Contractor's operations.
- c) Relocate as Work progresses, to maintain effective traffic control.

#### **11) Construction Parking Control**

- a) Contractor shall control vehicular parking to prevent interference with public traffic, parking and University operations.
- b) Contractor shall prevent parking on or adjacent to access roads or in non-designated areas or on University property outside of the recorded easements.

#### **12) Emergency Response Access**

- a) Contractor shall confirm local Fire Dept. requirements for access to the construction site and other Campus facilities impacted by the Work throughout the course of construction. Where Fire Dept. access must be maintained at specific areas, Contractor shall tailor the Work Plan and provide necessary temporary measures to accommodate same.
- b) Contractor shall maintain adequate provisions for passage of emergency response vehicles (ambulances, fire trucks etc.) over campus roads and inner-campus thoroughfares at all times.
- c) Provide and maintain access to fire lanes and fire hydrants. These areas shall be kept free of any obstructions.

- d) At all times that work is occurring which requires trenching, excavations, or other blockages of any fire lane or emergency access location, Contractor shall have traffic plating and other materials and equipment on hand as required to permit immediate passage of response vehicles in the case of an emergency. At no time shall said blockages be left unmanned.

### **13) Access Routes**

- a) Prepare a map showing proposed trade parking and truck haul routes. Submit to Campus Planning & Development for approval prior to the start of work. Haul routes and site access shall be only on routes as described by the University approved map and will not block any fire access routes, specifically to the east of the Library. Deviations from designated haul routes shall only be permitted only with prior approval. Contractor activity (pedestrian and/or vehicular) shall be conducted so as to avoid any interference with existing University facilities or their normal operations.
- b) Weight loads carried by vehicles shall be within capacity recommended by manufacturer and shall comply with applicable laws and regulations relating to allowable capacities for specific streets.
- c) Streets shall be maintained in a clean condition at all times. Sweeping of streets shall occur, at minimum, on a daily basis, or more often as required by continual hauling operations or construction traffic.
- d) All loads shall be covered with secured tarpaulins when loose materials are removed from or hauled into the Campus.
- e) Truck staging shall not occur on campus streets, unless prior authorization is received.
- f) Provide protection against damage to existing sidewalks, curbs and gutters and other improvements at locations where construction vehicles enter. Contractor shall be responsible for repair of all damage resulting from its operations. Damage to concrete shall be repaired by replacement of full sections to the nearest existing construction joint in each direction.
- g) All central sidewalk areas of campus (between buildings) are potential routes for fire and rescue equipment. Contractor must have available at all times sufficient heavy steel plating and equipment with which to place the plating, to provide access routes to loaded fire department equipment over any open trenching.
- h) All sidewalk areas more than eight feet wide which are obstructed by an open trench must be covered by heavy steel plating of sufficient size and thickness to provide a route to fully loaded fire department equipment prior to completion of the work day.
- i) Provide means of removing mud from vehicle wheels before entering streets. Contractor shall clean streets to maintain streets free from dirt from Contractor's construction operations.
- j) Designated existing on-site roads may be used for construction traffic as coordinated with the University Project Manager.

#### **14) Removal**

- a) Remove equipment and devices when no longer required.
- b) Repair damage caused by installation and the travel of Contractor equipment.

#### **15) Inspections**

- a) Meet with a CSUMB inspector before construction commencement and agree upon what inspections will be required and what forms will be used. CSUMB will be monitoring: public safety, but shall not be construed to relieve contractor for all safety responsibilities and liabilities; compaction of all backfill, contractor shall provide 3<sup>rd</sup> party compaction testing reports to CSUMB inspector; restoration of site improvements.
- b) Notify the inspector 24 hours in advance of a required inspection by submitting a Request for Inspection form to Campus Planning & Development.
- c) For successful inspections, the inspector will so note on the request for inspection.
- d) For unsuccessful inspections, the inspector will issue a Correction Notice.

#### **16) Bonding:**

- a) Contractor shall provide a performance bond equal to one half the total cost of the work to guarantee performance to this agreement.

## Insurance Requirements:

[http://www.calstate.edu/cpdc/CM/cgcs\\_majors/2016\\_cgcs\\_dbb\\_major.pdf](http://www.calstate.edu/cpdc/CM/cgcs_majors/2016_cgcs_dbb_major.pdf)

(p. 21 – 4.06a) they must be edited for use herein.

### 4.06 Insurance Requirements

a. The Contractor shall not commence Work on the site until it has obtained all the insurance required in this Article, and such insurance has been approved by the Trustees. This Project shall be enrolled in the Trustees' Builders Risk Insurance Program, for which the provisions of Article 4.06-c shall apply. This Project may be enrolled in the Trustees' Owner Controlled Insurance Program ("OCIP"), and if so, the provisions of Article 4.06-b shall apply. Contractor shall refer to the Supplementary General Conditions to determine if this Project is enrolled in OCIP.

#### (1) Policies and Coverage

(a) The Contractor shall obtain and maintain for the term of the Contract the following policies and coverage:

(i) Comprehensive or Commercial Form General Liability Insurance on an occurrence basis, covering work done or to be done by or on behalf of the Contractor and providing insurance for bodily injury, personal injury, property damage and contractual liability. The aggregate limit shall apply separately to the work.

(ii) Business Automobile Liability Insurance on an occurrence basis, covering owned, hired and non-owned automobiles used by or on behalf of the Contractor and providing insurance for bodily injury, property damage and contractual liability. Such insurance shall include coverage for uninsured and underinsured motorists.

(iii) Workers' Compensation including Employer's Liability Insurance as required by law.

(b) The Contractor also may be required to obtain and maintain the following policies and coverage:

(i) Environmental Impairment Liability Insurance should the work involve hazardous materials, such as asbestos, lead, fuel storage tanks and PCBs.

(ii) Other Insurance by agreement between the Trustees and the Contractor.

#### (2) Verification of Coverage.

The Contractor shall submit original certificates of insurance and endorsements to the policies of insurance required by the Contract to the Trustees as evidence of the insurance coverage. Renewal certifications and endorsements shall be timely filed by the Contractor for all coverage until the work is accepted as completed pursuant to Article 8.01, Acceptance. The Trustees reserve the right to require the Contractor to furnish the Trustees complete, certified copies of all required insurance policies.

(3) Insurance Provisions.

Nothing in these insurance provisions shall be deemed to alter the indemnification provisions in Article 4.07. The insurance policies shall contain, or be endorsed to contain, the following provisions:

(a) General and Automobile Liability Policies.

- (i) General Liability policies: the State of California, the Trustees of the California State University, the University, their officers, employees, representatives, volunteers and agents are to be covered as additional insureds.
- (ii) Automobile Liability: Contractor shall use Insurance Service Office (ISO) Form Number CA 0001 covering any auto.

(b) For any claims related to the work, the Contractor’s insurance coverage shall be primary insurance as respects the State of California, the Trustees of the California State University, the University, their officers, employees, representatives, volunteers and agents. Any insurance or self-insurance maintained by the State of California, the Trustees of the California State University, their officers, employees, representatives, volunteers and agents shall be in excess of the Contractor’s insurance and shall not contribute with it.

(c) The Contractor shall immediately upon receipt of any notice of cancellation or any notice of non- renewal of any insurance required under this Article 4.06, provide written notice of any such insurance cancellation or non-renewal by certified mail to the Trustees.

(d) The State of California, the Trustees of the California State University, the University, their officers, employees, representatives, volunteers and agents shall not by reason of their inclusion as additional insureds incur liability to the insurance carriers for payment of premiums for such insurance.

(4) Amount of Insurance.

( a ) F o r A l l P r o j e c t s .

The insurance furnished by Contractor under this Article shall provide coverage in amounts not less than the following (‘M’ indicates millions):

(i) Comprehensive or Commercial Form General Liability Insurance – Limits of Liability

Contract Amount	Up to \$2M	\$2M+1 to \$5M	\$5M+1 to \$10M	\$10M+1 and Over
General Aggregate	\$2M	\$5M	\$10M	\$10M
Each Occurrence – combined single limit for bodily injury and property damage	\$1M	\$5M	\$10M	\$10M

(ii) Business Automobile Liability Insurance – Limits of Liability (Each Accident– combined single limit of bodily injury and property damage to include uninsured and underinsured motorist coverage.)

Contract Amount	Up to \$2M	\$2M+1 to \$5M	\$5M+1 to \$10M	\$10M+1 and Over
Each Accident	\$1M	\$5M	\$10M	\$10M

(iii) Workers' Compensation limits as required by law with Employer’s Liability limits of \$1,000,000. These requirements and limits are the same for all size contracts.

( b ) F o r P r o j e c t s I n v o l v i n g H a z a r d o u s M a t e r i a l s .



The Contractor shall provide additional coverage in amounts not less than the following:

(i) Environmental Impairment (pollution) Liability Insurance – Limits of Liability

Contract Amount	Up to \$2M	\$2M+1 to \$5M	\$5M+1 to \$10M	\$10M+1 and Over
General Aggregate	\$10M	\$10M	\$10M	\$10M
Each Occurrence – combined single limit for bodily injury and property damage, including clean-up costs.	\$5M	\$5M	\$10M	\$10M

(ii) In addition to the coverage described in 4.06-a (4)(a)(ii), Business Automobile Liability

Insurance, the Contractor shall obtain for hazardous material transporter services:

- (A) MCS-90 endorsement.
- (B) Sudden & Accidental Pollution endorsement – Limits of Liability\* \$2M Each Occurrence \$2M General Aggregate

\* These requirements and limits are the same for all size contracts. A higher limit on the MCS-90 endorsement required by law must be matched by the Sudden & Accidental Pollution Insurance.

With the Trustees’ approval, the Contractor may delegate the responsibility to provide this additional coverage, as described in this Article 4.06-a (4) (b) above, to its hazardous materials subcontractor. When the Contractor returns its signed Project construction phase agreement to the Trustees, the Contractor shall also provide the Trustees with a letter stating that it is requiring its hazardous materials subcontractor to provide this additional coverage, if applicable. The Contractor shall affirm in this letter that the hazardous materials subcontractor’s certificate of insurance shall also adhere to all of the requirements in Article 4.06-a: (2) Verification of Coverage and (3) Insurance Provisions. Further, this letter will provide that the subcontractor’s certificate of insurance will be provided to the Trustees as soon as the Contractor fully executes its subcontract with the hazardous materials subcontractor, or within 30 days of the Notice to Proceed, whichever is less.

(5) Acceptability of Insurers.

Insurers shall be licensed by the State of California to transact insurance and shall hold a current A.M. Best’s rating of no less than A:VII, or shall be a carrier otherwise acceptable to Trustees.

(6) Subcontractor’s Insurance.

Contractor shall ensure that its subcontractors are covered by insurance of the types required by this Article, and that the amount of insurance for each subcontractor is appropriate for that subcontractor’s work. Contractor shall not allow any subcontractor to commence work on its subcontract until the insurance has been obtained.

(7) Miscellaneous.

(a) Any deductible under any policy of insurance required in this Article shall be the Contractor’s liability.

(b) Acceptance of certificates of insurance by the Trustees shall not limit the Contractor’s liability under the Contract.

(c) In the event the Contractor does not comply with these insurance requirements, the Trustees may, at its option, provide insurance coverage to protect the Trustees. The cost of the insurance shall be paid by the Contractor and, if prompt payment is not received, may be deducted from Contract sums otherwise due to the Contractor.

(d) If the Trustees are damaged by the failure of the Contractor to provide or maintain the required insurance, the Contractor shall pay the Trustees for all such damages.

(e) The Contractor’s obligations to obtain and maintain all required insurance are nondelegable duties under this Contract.

Exhibit A: Easement for Reservoir “A” site as recorded

Exhibit B: Ancillary pipeline easement as recorded

Exhibit C: A summary of the base costs and architectural treatments and associated estimated costs thereof at the 75% construction document phase resulting from this coordination between Contractor and University

EXAMPLE

# **APPENDIX C    Geotechnical Report**