

**CALIFORNIA COASTAL COMMISSION**  
SOUTH CENTRAL COAST DISTRICT OFFICE  
89 SOUTH CALIFORNIA STREET, SUITE 200  
VENTURA, CA 93001-2801  
VOICE (805) 585-1800  
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# W22a

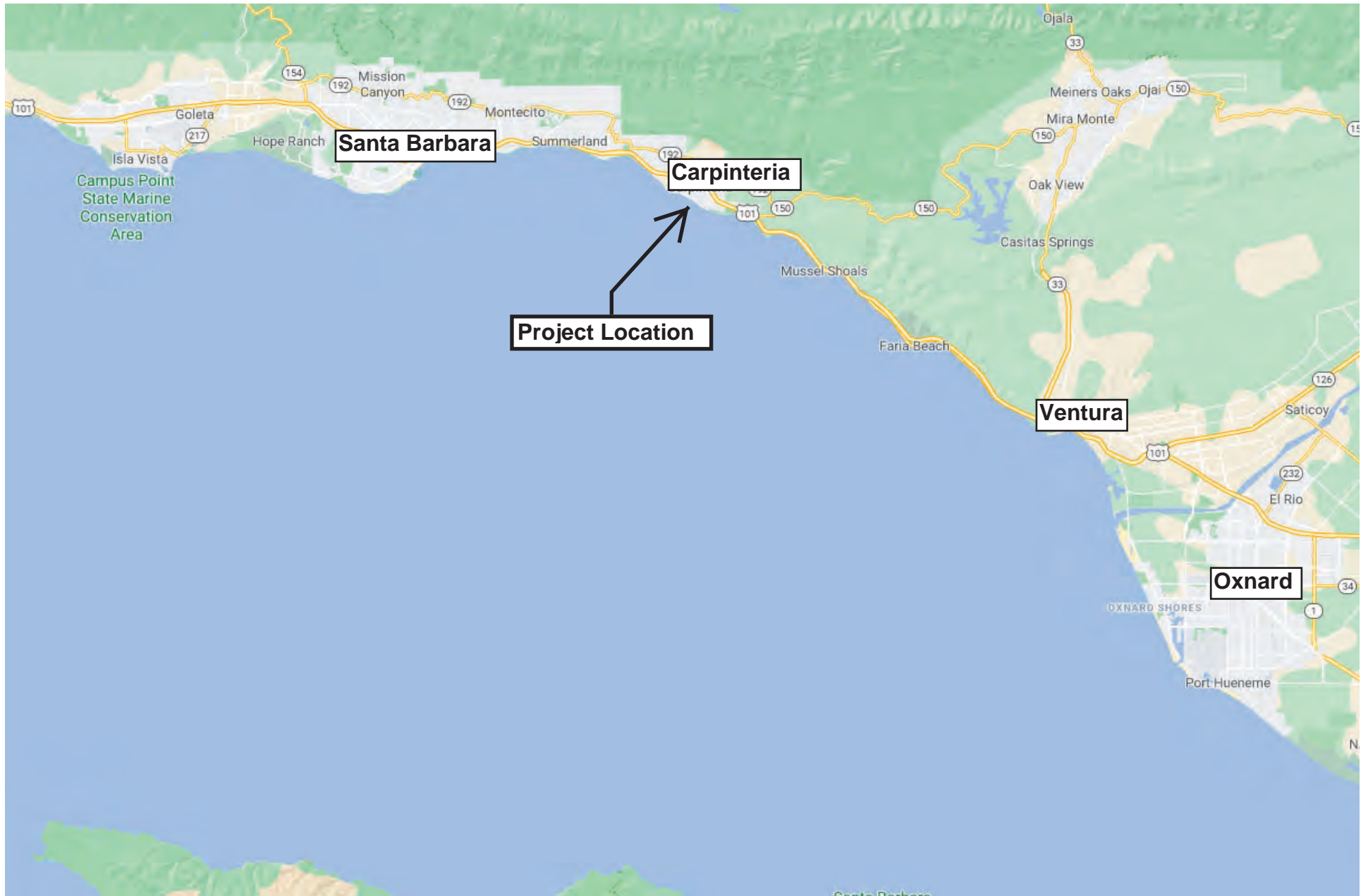
**4-19-0339 (Carpinteria Sanitary District)**  
**January 13, 2021**

**EXHIBITS**

**EXHIBIT 1 .....2**

**EXHIBIT 2 .....3**

**EXHIBIT 3 .....4**



**Exhibit 1**  
**4-19-0339 (Carpinteria Sanitary**  
**District)**  
**Vicinity Map**



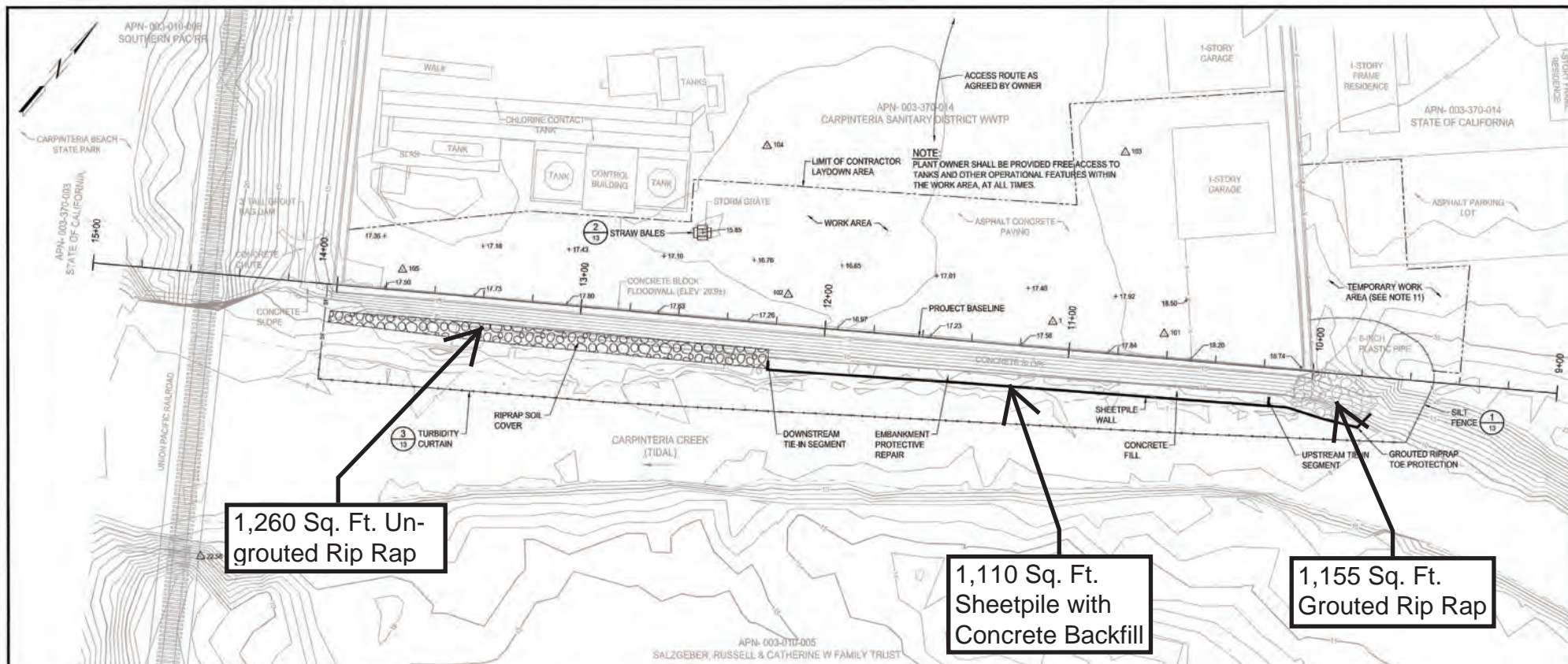


US 101

Project Location

Exhibit 2  
4-19-0339 (Carpinteria Sanitary  
District)  
Aerial Overview





#### SEDIMENT AND EROSION CONTROL NOTES:

- CONTRACTOR SHALL PREPARE A COMPREHENSIVE ENVIRONMENTAL SITE MITIGATION PLAN TO SUBMIT TO THE OWNER AND THE OWNERS REPRESENTATIVE FOR APPROVAL PRIOR TO COMMENCEMENT OF ANY WORK. THE PLAN WILL ADDRESS ALL POSSIBLE INCIDENTS WHICH MIGHT CAUSE HARM TO THE ENVIRONMENT AND/OR VIOLATE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS AND PERMIT REQUIREMENTS THAT PERTAIN TO THE WORK PROPOSED FOR THIS SITE. THE ELEMENTS OF THIS PLAN SHOULD BE CONSIDERED A MINIMUM. MORE ITEMS AND ELEMENTS MAY BE NEEDED TO ADEQUATELY CONTROL SEDIMENT AND MEET PERMIT REQUIREMENTS.
- THE COMPREHENSIVE MITIGATION PLAN WILL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
  - A PLAN VIEW SHOWING THE TYPES AND LOCATIONS OF SPECIFIC MITIGATION FEATURES.
  - A WRITTEN DESCRIPTION OF THE PROJECT SITE, PROJECT OBJECTIVES AND CONSTRUCTION TIMELINE.
  - A WRITTEN DESCRIPTION OF EACH CONSTRUCTION PROCESS, AND THE PLAN TO BE PUT IN PLACE TO MINIMIZE THE POSSIBILITY OF A FAILURE.
  - THE PROCESSES FOR MITIGATION OF POTENTIAL FAILURES, SHOULD THEY OCCUR.
  - CONTACT INFORMATION FOR RESPONSIBLE PERSONS, EMERGENCY PERSONNEL AND REGULATORY PERSONNEL.
- CONTRACTOR SHALL ENSURE THAT ALL REQUIRED LOCAL, STATE AND FEDERAL PERMITS AND APPROVALS ARE IN PLACE AND SHALL OBTAIN THOSE THAT ARE NOT, PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
- WORK AREAS SHOWN ON THIS PLAN ARE APPROXIMATE. ACTUAL WORK AREAS WILL BE DETERMINED BY THE OWNER BASED ON AVAILABLE SPACE AND THE CONTRACTORS REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE A LAYDOWN AND ACCESS PLAN TO GIVE TO THE OWNER AND OWNER REPRESENTATIVE FOR APPROVAL PRIOR TO COMMENCEMENT OF ANY WORK.
- THE LAND SIDE WORK AREA SHOWS POTENTIAL ACCESS LINES AND LAYDOWN AREAS TO BE USED BY THE CONTRACTOR FOR MOBILIZATION, VEHICLE PARKING, MAINTENANCE AND WASHING, EQUIPMENT STORAGE, MATERIALS STORAGE AND FUELING. ITEMS TO CONSIDER INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
  - DUST CONTROL
  - FUEL AND OIL SPILLS
  - WASTE WATER CONTAMINATION
  - WASTE MATERIALS DISPOSAL
  - STORM WATER RUNOFF CONTROL
- THE CHANNEL WORK SITE AREA SHOWS POTENTIAL AREAS OF CONSTRUCTION ACTIVITIES, SUCH AS DEMOLITION, CLEANING EXISTING SHEET PILES, CUTTING EXISTING SHEET, CUTTING FUTURE SHEET PILES, CONSTRUCTING STOP LOG SUPPORTS, PLACING CONCRETE, PLACING GRAVEL AND CONSTRUCTING A CONCRETE SLAB. ITEMS TO CONSIDER INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
  - RUST AND METAL FLAKES
  - DISCARDED DEMOLITION PIECES
  - SEDIMENT-LADEN WATER
  - CONCRETE LEAKS
  - DUST FROM GRAVEL PLACEMENT
- THE WATER SIDE WORK AREA SHOWS POTENTIAL AREAS OF WATERBORNE CONSTRUCTION ACTIVITIES, SUCH AS DRIVING SHEET PILES, WELDING, AND CONSTRUCTION OF THE CONCRETE BACK FILL BLOCK, BERTH ITEMS TO CONSIDER INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
  - FUEL AND OIL SPILLS
  - INCREASED TURBIDITY
- BASIC BEST MANAGEMENT PRACTICES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
  - ALL EQUIPMENT SHALL BE MAINTAINED IN GOOD PROPER CONDITION TO PREVENT LEAKING OR SPILLING OF POTENTIALLY HAZARDOUS OR TOXIC PRODUCTS.
- HYDRAULIC LINES SHALL BE WRAPPED WITH HOSE WRAPS CONSISTING OF CHEMICALLY RESISTANT MATERIAL AND SORBENT PADS.
- STORAGE OF FUELS AND OTHER PETROLEUM PRODUCTS SHALL COMPLY WITH SAFE OPERATING PROCEDURES, INCLUDING ADEQUATE SECONDARY CONTAINMENT.
- APPROPRIATE SURFACE RUNOFF MITIGATING FEATURES SHALL BE EMPLOYED.
- PILE CUTOFFS, WASTE OR ANY MISCELLANEOUS UNUSED MATERIALS SHALL BE RECOVERED FOR DISPOSAL OR STORAGE IN PROPER APPROVED LOCATIONS. NO MATERIALS WILL BE THROWN OVERBOARD.
- CONTRACTOR SHALL EMPLOY APPROPRIATE TURBIDITY AND SILT CURTAINS AROUND THE PERIMETER OF THE WATER BORNE WORK AREA. IF A SPILL OCCURS, THE CONTRACTOR SHALL IMMEDIATELY DEPLOY HARD BOOMS AND/OR SORBENT MATERIALS TO CONTAIN THE SPILL AND TAKE FURTHER MITIGATING ACTION ACCORDING TO THE APPROVED ENVIRONMENTAL MITIGATION PLAN.
- CONTRACTOR SHALL HAVE EMERGENCY SPILL RECOVERY EQUIPMENT SUCH AS SKIMMERS, HARD BOOMS AND SORBENT MATERIALS.
- ADDITIONAL SEDIMENT / EROSION CONTROL WILL BE REQUIRED IN ACTIVE WATER SIDE WORK AREA. SEE DETAIL 3 ON SHEET 11.
- SPECIAL CONDITIONS WILL BE REQUIRED FOR WORK ACCESS. CONTRACTOR SHALL COORDINATE CONDITIONS WITH OWNER AND DESIGNATED STATE PARK REPRESENTATIVE.

#### LEGEND:

- LIMITS OF WORK AREA
- SILT FENCE
- TURBIDITY CURTAIN
- SHEETPILE WALL
- STRAW BALES

- SECTION OR DETAIL NO.
- TARGET DRAWING
- REFERENCE KEY

FOR PERMIT REVIEW  
NOT FOR CONSTRUCTION  
03/28/19

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**Stantec**

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DESIGN: DAB CHECKED: DWR  
DATE: 03/28/19  
DAN BACK  
PROJECT ENGINEER  
R.C.E. 38102



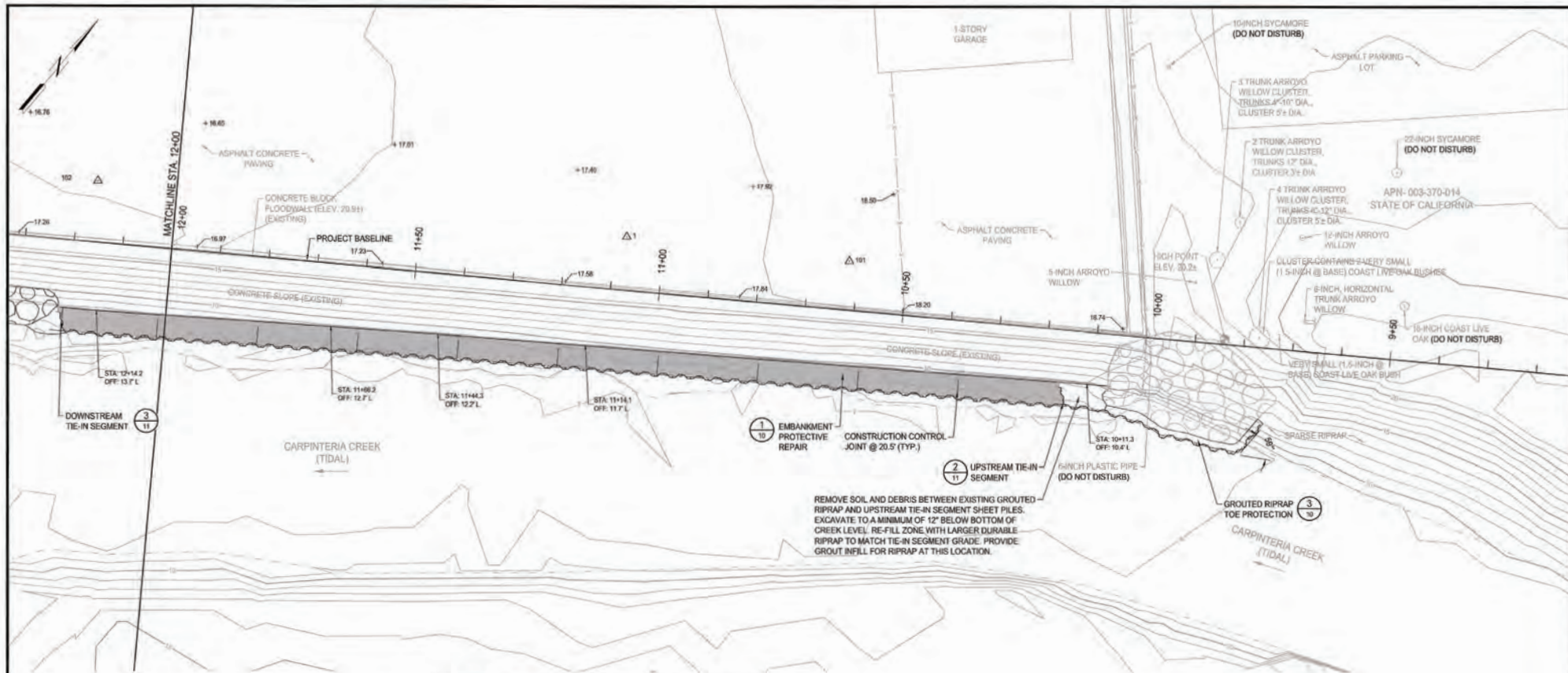
CARPINTERIA SANITARY DISTRICT  
REVIEWED BY: CRAIG MURRAY, P.E.  
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SEDIMENT AND EROSION  
CONTROL PLAN  
FLOODWALL EMBANKMENT REPAIR PROJECT  
WASTEWATER TREATMENT PLANT  
CARPINTERIA, CALIFORNIA

PAS PROJECT NO.  
2004127200  
SHEET  
5 OF 13  
PLAN DATE

**Exhibit 3**  
**4-19-0339 (Carpinteria Sanitary**  
**District)**  
**Final Repair Plans**





#### NOTES:

##### 1. MAPPING

MAPPING SHOWN ON THIS SHEET ADAPTED FROM SURVEY MAP BY VICTOR PASQUO DATED FEBRUARY 23, 2018. REFER TO SHEET 4 OF 11 FOR ADDITIONAL INFORMATION.

ELEVATIONS SHOWN HEREON ARE EXPRESSED IN U.S. SURVEY FEET AND ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1985 (NAVD83). THIS SURVEY TIED TO BENCHMARK USGS PD 57959, STAMPED "1185 1989". ELEVATION=22.58 FEET. SEE CONTROL POINT LISTING.

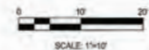
##### 2. BASELINE

BASELINE HAS BEEN ESTABLISHED ALONG OUTER FACE OF THE EXISTING FLOODWALL. STATION 10+00.00 IS SET AS THE NORTHEAST CORNER OF THE FLOODWALL. REFERENCE COORDINATES ARE AS FOLLOWS:

10+00.00 - N 1,968,577.44 E 6,103,881.58  
13+00.00 - N 1,968,291.38 E 6,103,451.81

#### TREE REMOVAL NOTE:

TREES SHALL ONLY BE REMOVED UPON THE APPROVAL OF THE PROJECT BIOLOGIST. ALL TREES REMOVED SHALL BE REPLACED WITH SIMILAR SIZED OR LARGER SYCAMORES OR ARROYO WILLOWS AS DIRECTED BY THE PROJECT BIOLOGIST.



SECTION OR DETAIL NO.  
TARGET DRAWING  
REFERENCE KEY

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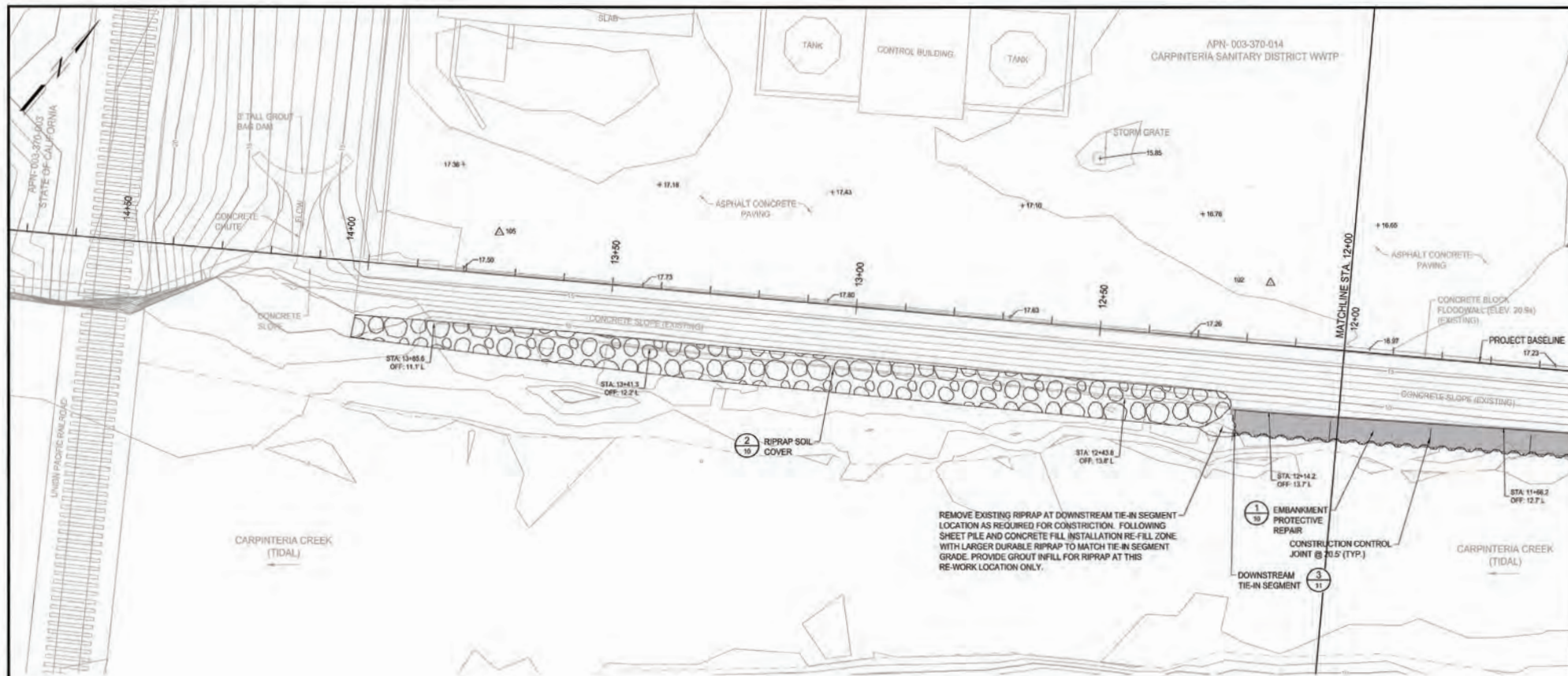
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DATE: 03/28/19  
DAN BARK  
PROJECT ENGINEER  
R.C.E. 36102



CARPINTERIA SANITARY DISTRICT  
REVIEWED BY: CRAIG MURRAY, P.E.  
SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

NORTH DETAIL PLAN  
FLOODWALL EMBANKMENT REPAIR PROJECT  
WASTEWATER TREATMENT PLANT  
CARPINTERIA, CALIFORNIA

P&S PROJECT NO.  
2044127200  
SHEET  
7 OF 13  
PLAN DATE



#### NOTES:

##### 1. MAPPING

MAPPING SHOWN ON THIS SHEET ADAPTED FROM SURVEY MAP BY VICTOR RASGADO DATED FEBRUARY 23, 2016. REFER TO SHEET 4 OF 11 FOR ADDITIONAL INFORMATION.

ELEVATIONS SHOWN HEREON ARE EXPRESSED IN U.S. SURVEY FEET AND ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1989 (NAVD83, 1981 ADJUSTMENT). THIS SURVEY TIED TO BENCHMARK USGS PD 05350, STAMPED "11185 1967". ELEVATION=22.58 FEET. SEE CONTROL POINT LISTING.

##### 2. BASELINE

BASELINE HAS BEEN ESTABLISHED ALONG OUTER FACE OF THE EXISTING FLOODWALL. STATION 10+00.00 IS SET AS THE NORTHEAST CORNER OF THE FLOODWALL. REFERENCE COORDINATES ARE AS FOLLOWS:

10+00.00 - N 1,968,577.44 E 6,103,851.59  
10+00.00 - N 1,968,291.38 E 6,103,851.51



SCALE: 1"=10'

SECTION OR DETAIL NO.  
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CHECKED DATE: 03/28/19  
DAN BARK  
PROJECT ENGINEER  
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CARPINTERIA SANITARY DISTRICT  
REVIEWED BY: CRAIG MURRAY, P.E.  
SIGNATURE: \_\_\_\_\_  
DATE: \_\_\_\_\_

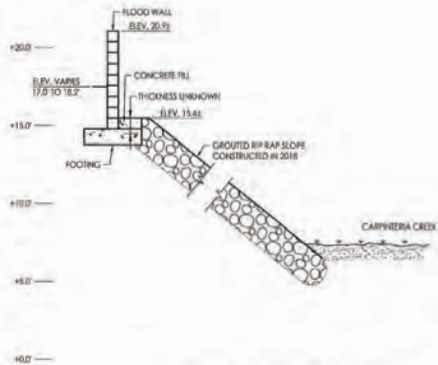
SOUTH DETAIL PLAN  
FLOODWALL EMBANKMENT REPAIR PROJECT  
WASTEWATER TREATMENT PLANT  
CARPINTERIA, CALIFORNIA

P&S PROJECT NO.: 2004127200  
SHEET 8 OF 13  
PLAN DATE

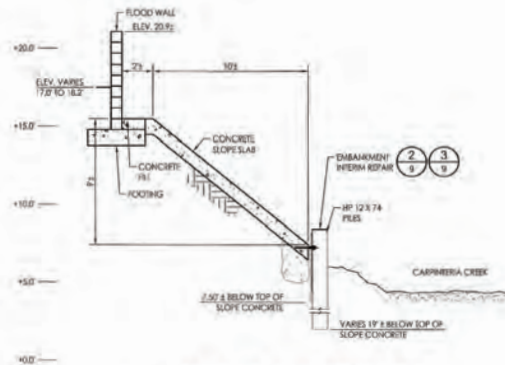




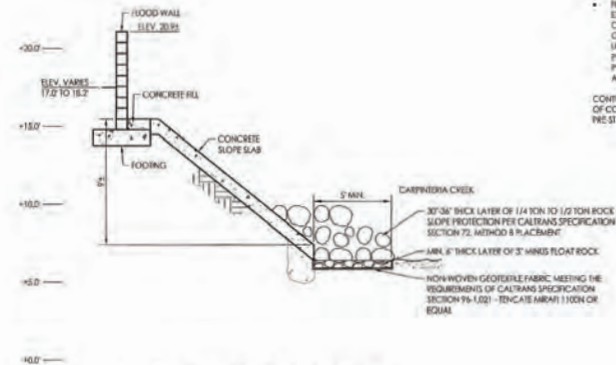
- SLOPE SLAB PROTECTION NOTE:**  
THE SLOPE SLAB IS A CRITICAL ELEMENT OF THE FLOODWALL AND DRAINAGE SYSTEM AND SHALL BE CAREFULLY PROTECTED BY THE CONTRACTOR THROUGHOUT THE CONSTRUCTION PROCESS. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
- DIRECT IMPACT - EQUIPMENT AND MATERIALS SHALL NOT BE ALLOWED TO IMPACT OR LOAD THE EXISTING CONCRETE ELEMENTS, WHERE SPECIFIC CONSTRUCTION REQUIREMENTS DICTATE WORK ON OR ADJACENT TO THE SLOPE SLAB A PLAN SHALL BE DEVELOPED, AND SUBMITTED FOR REVIEW, TO ENSURE DAMAGE DOES NOT OCCUR.
  - MOVEMENT OF EXISTING CONCRETE - THE CONSTRUCTION PROCESS SHALL BE PLANNED AND EXECUTED TO INSURE THAT EXISTING SLOPE SLABS REMAIN STABLE AND DO NOT SLIDE OR MOVE. THEY MAY REQUIRE TEMPORARY SUPPORT (STRUCTURAL OR ROCK FILL), STAGED WORK AND/OR OTHER METHODS.
  - SUPPORT OF SOIL UNDER SLOPE SLAB - CONTRACTOR SHALL PROVIDE SHORING AS NECESSARY TO INSURE THAT SOIL DOES NOT SLIDE, FALL OR UNRAVEL FROM BENEATH THE SLOPE SLAB. SOIL TYPE VARIES BETWEEN CLAY AND SAND SO CAREFUL AND CONTINUOUS ATTENTION TO THIS DURING THE EXCAVATION PROCESS WILL BE REQUIRED.
  - FILING OF VOIDS UNDER SLOPE SLAB - IN ALL AREAS WHERE VOIDS CURRENTLY EXIST UNDER THE SLOPE SLAB, AND WHERE THEY DEVELOP DUE TO CONSTRUCTION ACTIVITIES THEY SHALL BE GROUTED FULL WITH CEMENT GROUT. WHERE DISTANCE TO EXISTING END OF VOID EXCEEDS 12 INCHES, IS UNKNOWN OR OTHERWISE PREVENTS GRAVITY FILLING, A TIE-UP TUBE AND PUMP SHALL BE USED, AND/OR A SEPARATE RETURN VENT HOSE SHALL BE PROVIDED. A GROUTING PLAN SHALL BE PROVIDED TO THE ENGINEER FOR APPROVAL BEFORE GROUTING BEGINS.
- CONTRACTOR, OWNER, AND ENGINEER SHALL REVIEW SLOPE SLAB AT BEGINNING OF CONSTRUCTION AND SHALL AGREE TO CURRENT CONDITION AND ANY PRE-STABILIZATION PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.



SECTION TYPICAL STA. 10+00 TO 10+06  
(CONTINUES UPSTREAM OF 10+00 WITHOUT FLOODWALL)

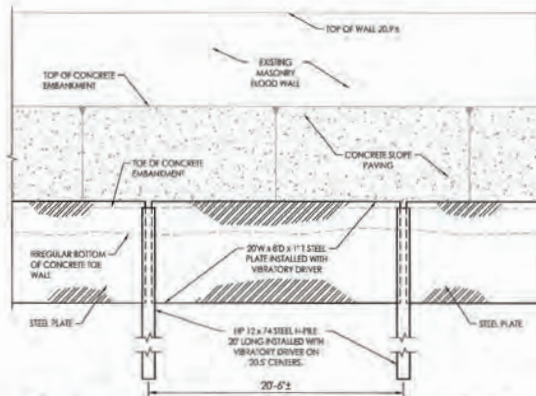


SECTION TYPICAL STA. 10+06 TO 12+22

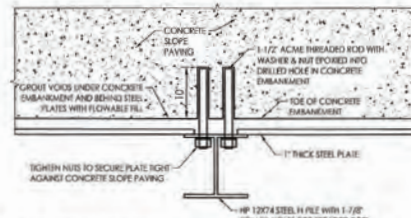


SECTION TYPICAL STA. 12+22 TO 14+00

1 EXISTING CONDITION OF EMBANKMENT PROTECTION ELEMENTS  
NOT TO SCALE



2 SECTION - EMBANKMENT INTERIM REPAIR PLAN (EXISTING 2018 CONSTRUCTION)  
SCALE: 1/4"=1'-0"



3 PLAN - EMBANKMENT INTERIM REPAIR PLAN (EXISTING 2018 CONSTRUCTION)  
SCALE: 1/4"=1'-0"

NOTE:  
2018 REPAIR INFORMATION PROVIDED BY CARPINTERIA SANITARY DISTRICT. THIS INFORMATION HAS NOT BEEN VERIFIED BY SANTEC. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS BEFORE PROVIDING CONSTRUCTION PRICING.

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03/28/19

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PROJECT ENGINEER  
R.C.E. 36102



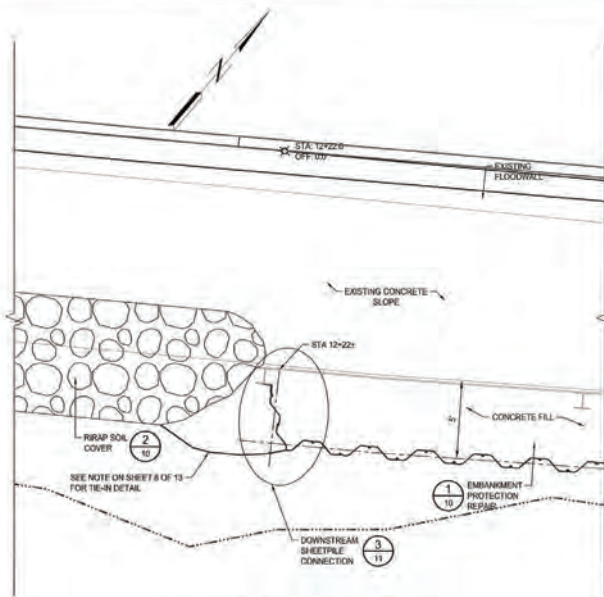
CARPINTERIA SANITARY DISTRICT  
REVIEWED BY: CRAIG MURRAY, P.E.  
SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

TYPICAL WALL EXISTING CONDITIONS  
FLOODWALL EMBANKMENT REPAIR PROJECT  
WASTEWATER TREATMENT PLANT  
CARPINTERIA, CALIFORNIA

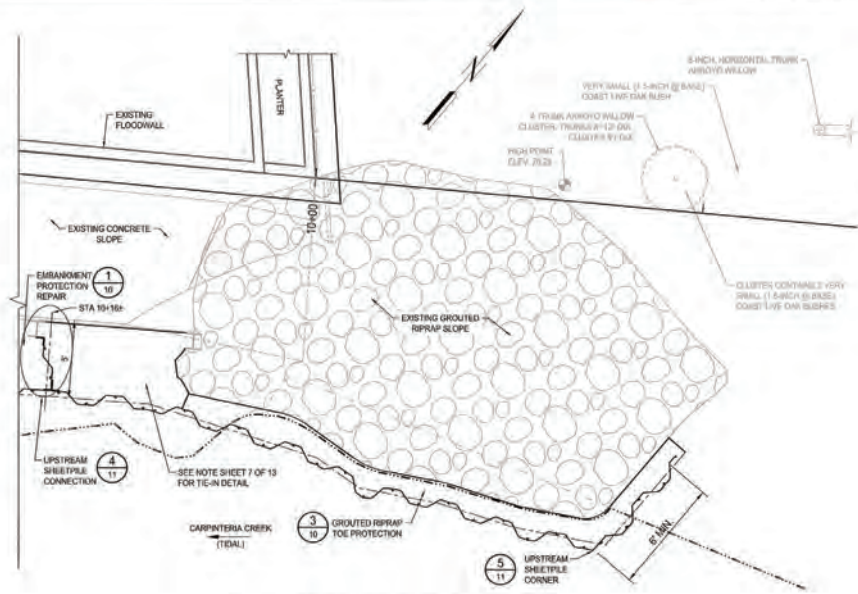
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PLAN DATE



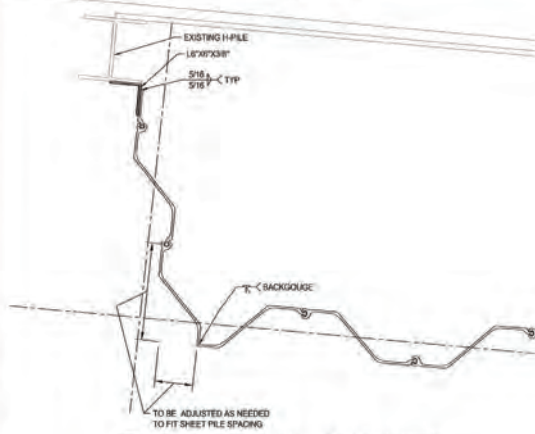




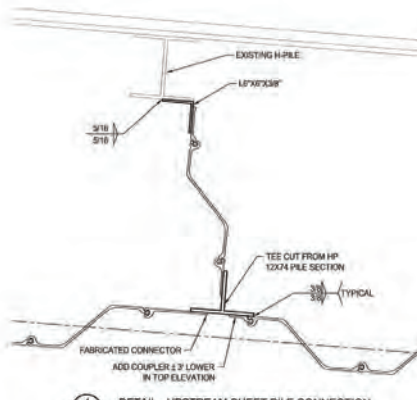
1 DETAIL - DOWNSTREAM TIE-IN SEGMENT  
1/4"=1'-0"



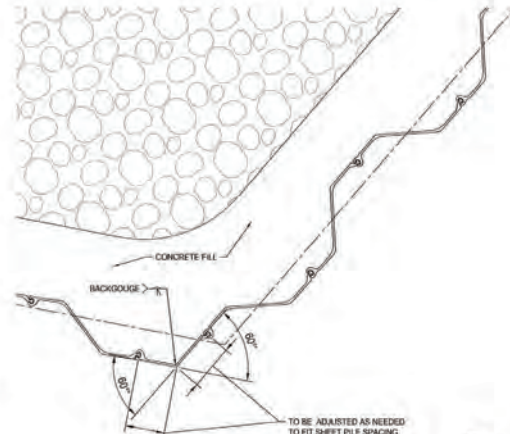
2 DETAIL - UPSTREAM TIE-IN SEGMENT  
1/4"=1'-0"



3 DETAIL - DOWNSTREAM SHEET PILE CONNECTION  
1"=1'-0"



4 DETAIL - UPSTREAM SHEET PILE CONNECTION  
1"=1'-0"



5 DETAIL - UPSTREAM SHEET PILE CORNER  
1"=1'-0"



**TREE REMOVAL NOTE:**  
TREES SHALL ONLY BE REMOVED UPON THE APPROVAL OF THE STANTEC PROJECT BIOLOGIST. ALL TREES REMOVED SHALL BE REPLACED WITH SIMILAR SIZES OR LARGER SYCAMORES OR ARROYO WILLOWS AS DIRECTED BY THE PROJECT BIOLOGIST.

- NOTES:**
1. CONCRETE DEPTH SHALL BE A MINIMUM OF 3' THROUGHOUT.
  2. REINFORCING STEEL SHALL CONTINUE THROUGH FULL LENGTH OF TIE-IN. PROVIDE ANGLED LAP BARS AND ADDITIONAL TIE BARS AS REQUIRED TO MAINTAIN STRUCTURAL CONTINUITY.
  3. ALL SHEET PILES SHALL BE 15' FROM CLIFF TOP. TOP SHALL BE CUT UNIFORM WITH SLOPING CONCRETE SURFACE.
  4. REMOVAL BARRIERS MAY BE USED TO ASSIST IN HOLDING WET CONCRETE ON SLOPE, BUT MUST BE STEEL AND BE A MINIMUM OF 3-INCHES FROM ALL EXPOSED (AIR OR SOIL) CONCRETE SURFACES.

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DAN BARK  
PROJECT ENGINEER  
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CARPINTERIA SANITARY DISTRICT  
REVIEWED BY: CHUNG MURRAY, P.E.  
SIGNATURE: \_\_\_\_\_  
DATE: \_\_\_\_\_

END TIE-IN DETAIL PLAN VIEWS  
FLOODWALL EMBANKMENT REPAIR PROJECT  
WASTEWATER TREATMENT PLANT  
CARPINTERIA, CALIFORNIA  
P&S PROJECT NO.: 2064127200  
SHEET: 11 OF 13  
PLAN DATE: \_\_\_\_\_