THE CONTRACTOR SHALL PROVIDE A SAFE, CONTINUOUS PATH OF TRAVEL FOR PEDESTRIANS AND VEHICULAR TRAFFIC DURING ALL PHASES OF CONSTRUCTION AT THE PROJECT SITE. IF PEDESTRIANS ARE DIRECTED AWAY FROM THE EXISTING PEDESTRIAN TRAVEL WAY DUE TO CONSTRUCTION, A SUITABLE ALTERNATE PATH SHALL BE PROVIDED. A SUITABLE ALTERNATE PATH MAY INCLUDE, BUT IS NOT LIMITED TO, TEMPORARY ACCESSIBLE RAMPS, TRAFFIC CONTROL, PHYSICAL BARRIERS TO SEPARATE PEDESTRIANS FROM TRAFFIC AND SIGNAGE. IT IS CLEARLY UNDERSTOOD THAT IT IS THE CONTRACTOR’S RESPONSIBILITY TO PROVIDE A SAFE PATH OF TRAVEL AT ALL TIMES.

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN ACCESS FOR THE PUBLIC, INCLUDING FISHERMEN, AT THIS PUBLIC PIER AND INSTALL SAFETY SIGNS. CONTRACTOR SHALL SUBMIT A DETAILED PUBLIC ACCESS AND SAFETY SIGN NOTIFICATION PLAN TO THE ENGINEER FOR APPROVAL. THE PLAN SHOULD INCLUDE SIGNS THROUGHOUT THE PARK NOTIFYING OF THE PROJECT AND DIRECTING USERS THROUGH THE WORK ZONE.

COMPLY WITH ALL ENVIRONMENTAL PERMITS.

THE PROJECT SPECIFICATIONS WHICH INCLUDE REPAIR PROCEDURES, ENVIRONMENTAL PERMITS, NOISE LEVELS, ETC, IS AN INTEGRAL PART OF THE CONSTRUCTION DOCUMENTS.
NOTES:

1. PRIOR TO BEGINNING WORK CONTRACTOR SHALL ARRANGE A MEETING WITH THE COUNTY TO DOCUMENT THE EXISTING CONDITION OF THE PARK AREAS THAT MAY BE IMPACTED BY THE CONSTRUCTION. THE SITE VISIT SHALL BE RECORDED WITH VIDEO AND PHOTOS OF CURRENT PARK CONDITIONS. THE CONTRACTOR SHALL PROVIDE A DUPLICATE COPY TO THE COUNTY.

2. TRAVEL PATH AND STAGING AREA ARE APPROXIMATE. CONTRACTOR SHALL COORDINATE CONSTRUCTION ROUTE FROM STAGING AREA TO PROJECT SITE WITH THE COUNTY.

3. CONSTRUCTION TRAFFIC SHALL BE ON UNPAVED ROAD OR ASPHALT PAVEMENT. DO NOT USE CONCRETE SIDEWALK FOR CONSTRUCTION TRAFFIC.

4. CONTRACTOR SHALL PROTECT TURF, SIDEWALKS, AND OTHER PARK FEATURES. ANY DAMAGE SHALL BE REPAIRED BY THE CONTRACTOR AT CONTRACTOR'S COST.

5. STAGING AREA FOR STORAGE OR TRAILER SHALL BE FENCED OFF FROM PUBLIC.

6. SMALL CARTS ARE THE ONLY VEHICLES PERMITTED ON PIER. FOR TRUCK AND HEAVY EQUIPMENT, CONTRACTOR SHALL SUBMIT CALCULATIONS TO DEMONSTRATE THAT THE PIER CAN SUPPORT THE WHEEL LOADS TO THE ENGINEER FOR APPROVAL.
NOTES

- TEE SPALLING/CRACKING, SEE DETAIL T1/S5
- TEE WEB SPALLING, SEE DETAILS T2/S6
- TEE CRACKING AT MID SPAN, SEE DETAIL T3/S7
- LOCALIZED TEE WEB SPALLING, SEE DETAIL T4/S7
- TEE WEB SPALLING AT SPAN 1, SEE DETAIL T5/S7
- TEE WEB SPALLING AT EXPANSION JOINT, SEE DETAIL T6/S7
- SPALLING AT BOTTOM OF DECK, SEE DETAIL D1/S8

LEGEND

- DAMAGED AREA
- CORROSION AT EDGE OF TEE, SEE D2/S9
- DIAPHRAGM CRACKING AT SPAN 1, SEE DETAIL DH1/S8
- DIAPHRAGM CRACKING, SEE DETAIL DH2/S8
- DIAPHRAGM CRACKING, SEE DETAIL DH3/S8
- DIAPHRAGM CRACKING, SEE DETAIL DH4/S8
- TEE CORROSION AT DECK TIE, SEE DETAIL D3/S9
- TEE CRACKING AT DECK JOINT, SEE DETAIL D4/S9
- TEE CORROSION AT DECK JOINT, SEE DETAIL D5/S9
- SPALLING AND CORROSION AT CURB DRAIN HOLES, SEE DETAIL C1/S10
- HARDWARE CORROSION, SEE DETAIL M1/S10
- SPALLING AT TOP OF PILE, SEE DETAIL P1/S10
- CORROSION ON PILE CAP, SEE DETAIL PC1/S10

REFERENCES

- APPROXIMATE SHORELINE AT LOW TIDE
- EDGE OF (E) DECK ABOVE
- TEE CORROSION AT DECK JOINT

LEGEND

- DAMAGED AREA
- CORROSION AT EDGE OF TEE, SEE D2/S9
- DIAPHRAGM CRACKING, SEE DETAIL DH1/S8
- DIAPHRAGM CRACKING AT SPAN 1, SEE DETAIL DH2/S8
- DIAPHRAGM CRACKING, SEE DETAIL DH3/S8
- DIAPHRAGM CRACKING, SEE DETAIL DH4/S8
- TEE CORROSION AT DECK TIE, SEE DETAIL D3/S9
- TEE CRACKING AT DECK JOINT, SEE DETAIL D4/S9
- TEE CORROSION AT DECK JOINT, SEE DETAIL D5/S9
- SPALLING AND CORROSION AT CURB DRAIN HOLES, SEE DETAIL C1/S10
- HARDWARE CORROSION, SEE DETAIL M1/S10
- SPALLING AT TOP OF PILE, SEE DETAIL P1/S10
- CORROSION ON PILE CAP, SEE DETAIL PC1/S10

KEY PLAN
NOTES

1. TEE SPALLING/CRACKING, SEE DETAIL T1/S6
2. TEE WEB SPALLING, SEE DETAILS T2/S6
3. TEE CRACKING AT MID SPAN, SEE DETAIL T3/S6
4. LOCALIZED TEE WEB SPALLING, SEE DETAIL T4/S6
5. TEE SPALLING AT SPAN 1, SEE DETAIL T5/S7
6. TEE SPALLING AT SPAN 1, SEE DETAIL T5/S7
7. LOCALIZED TEE WEB SPALLING, SEE DETAIL T6/S7
8. SPALLING AT BOTTOM OF DECK, SEE DETAIL DH1/S8

DAMAGED AREA

4'-0" 5'-0" 6'-0"

C2 HARDWARE CORROSION, SEE DETAIL M1/S9
C3 SPALLING AT TOP OF PILE, SEE DETAIL P2/S10
P1 SPALLING AT TOP OF PILE, SEE DETAIL P2/S10

LEGEND

1/4" = 1'-0"

KEY PLAN

SHEET TITLE: PIER REPAIR PLAN
SHEET NUMBER: S3
**TEE REPAIR**

1" = 1'-0"

**EXAMPLE PHOTO**
- TEE CRACKING AT BOTTOM NEAR PILE CAP
- TEE SPALLING AT BOTTOM NEAR PILE CAP
- TEE WEB SPALLING NEAR PILE CAP

**NOTE:**
- DAMAGE VARIES
- COULD EXTEND TO FULL DEPTH OF WEB

**CONCRETE REPAIR AREA**
- REFER TO CRACKING/SPALLING REPAIR NOTES IN SECTION 10.02 OF THE SPECIAL PROVISIONS IN THE SPECIFICATIONS

**FACE OF (E) DIAPHRAGM**
- SEE PLANS

**DAMAGED CONCRETE AREA**
- SEE PLANS
- 6" MIN

**EXAMPLE PHOTO**
- CONCRETE REPAIR AREA
- REFER TO CRACKING/SPALLING REPAIR NOTES IN SECTION 10.02 OF THE SPECIAL PROVISIONS IN THE SPECIFICATIONS

**NOTE:**
- FOR INFORMATION NOT SHOWN SEE REPAIR DETAIL T1

**PROJECT ENGINEER:** 06/14/16

**ISSUED FOR CONSTRUCTION**

**PROJECT:** MCNEAR'S BEACH PARK PIERS REPAIR

**REGISTRATION & SIGNATURE SUBMITTAL:**

**DATE:**

**PROJECT OWNER:** 201 CANTERA WAY
SAN RAFAEL, CA  94901

**CONTACT:**
CHRIS BRAMHAM
MARIN COUNTY PARKS
3501 CIVIC CENTER DRIVE #260
SAN RAFAEL, CA 94903
CBRAMHAM
@MARINCOUNTY.ORG
(415)473-3639
TEE REPAIR

NOTE:
FOR INFORMATION NOT SHOWN SEE REPAIR DETAIL T1
CONCRETE REPAIR AREA. REFER TO CRACKING/SPALLING REPAIR NOTES IN SECTION 10.02 OF THE SPECIAL PROVISIONS IN THE SPECIFICATIONS.
Tee web spalling at expansion joint hardware

Concrete repair area. Refer to cracking/spalling repair notes in Section 10.02 of the Special Provisions Section of the Specifications.

When removing concrete do not damage (E) hardware including bearing pad, bearing plate and expansion joint keepers.

Clean and paint (E) exposed steel plate and hardware after concrete is repaired.

Note: For information not shown, repair detail T1.

Concrete repair area. Refer to cracking/spalling repair notes in Section 10.02 of the Special Provisions in the Specifications.

Damage concrete area.

Crack, see repair T1.

Note: For information not shown, repair detail T1.
SPALLING AT BOTTOM OF DECK NEAR DIAPHRAGM

CONCRETE REPAIR AREA
REFER TO CRACKING/SPALLING REPAIR NOTES IN SECTION 10.02 OF THE SPECIAL PROVISIONS IN THE SPECIFICATIONS

DIAPHRAGM REPAIR
4" x 2'-4"

SPALLING IN BOTTOM OF DECK
(E) P/S DOUBLE TEE
(E) DIAPHRAGM

CRACKING IN DIAPHRAGM

CLEAN AND COAT AREA, REFER TO CLEAN AND COAT REPAIR NOTES IN SECTION 10.02 OF THE SPECIAL PROVISIONS IN THE SPECIFICATIONS

DIAPHRAGM REPAIR
4" x 2'-4"

CRACKING IN DIAPHRAGM AT SPAN 1

SURFACE DAMAGED CONCRETE AREA

NOTE:
THIS REPAIR ASSUMES THAT THE CONCRETE IS SOUND, IF NOT NOTIFY ENGINEER.

DH1
S8

CRACKING IN DIAPHRAGM AT SPAN 1

NOTE:
THIS REPAIR ASSUMES THAT THE CONCRETE IS SOUND, IF NOT NOTIFY ENGINEER.

DH2
S8

CRACKING IN DIAPHRAGM AT SPAN 1

NOTE:
THIS REPAIR ASSUMES THAT THE CONCRETE IS SOUND, IF NOT NOTIFY ENGINEER.

DH3
S8

CRACKING IN DIAPHRAGM AT SPAN 1

NOTE:
THIS REPAIR ASSUMES THAT THE CONCRETE IS SOUND, IF NOT NOTIFY ENGINEER.

DH4
S8

CRACKING IN DIAPHRAGM AT SPAN 1

NOTE:
THIS REPAIR ASSUMES THAT THE CONCRETE IS SOUND, IF NOT NOTIFY ENGINEER.

S8
DECK JOINT REPAIR

SPALLING AND CORROSION AT DRAIN HOLES
CURB REPAIR

CORROSION AT EDGE OF TEE
CURB REPAIR

HARDWARE CORROSION AT EXPANSION JOINT
HARDWARE REPAIR

12" MIN BEYOND VISIBLE SIGNS OF CORROSION. REFER TO CLEAN AND COAT NOTES IN SECTION 10.02 OF THE SPECIAL PROVISIONS IN THE SPECIFICATIONS.

NOTE: THIS REPAIR ASSUMES THAT THE CONCRETE IS SOUND. IF NOT NOTIFY ENGINEER.
PILE REPAIR

SPALLING AT TOP OF PILE

DAMAGE CONCRETE AREA

CONCRETE REPAIR AREA. REFER TO SPALLING REPAIR NOTES IN SECTION 10.02 OF THE SPECIFICATIONS.

PILE REPAIR S10

CORROSION ON PILE CAP

1/2" MIN BEYOND VISIBLE SIGNS OF CORROSION. REFER TO CLEAN AND COAT NOTES IN SECTION 10.02 OF THE SPECIAL PROVISIONS IN THE SPECIFICATIONS.

CONCRETE REPAIR AREA. REFER TO CRACKING/SPALLING REPAIR NOTES IN SECTION 10.02 OF THE SPECIAL PROVISIONS IN THE SPECIFICATIONS.

PILE REPAIR S10

PROJECT OWNER:
SHEET TITLE:
SHEET NUMBER:

201 CANTERA WAY
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ISSUED FOR CONSTRUCTION

PROJECT:
MCNEAR'S BEACH PARK PIER REPAIR

REGISTRATION & SIGNATURE SUBMITTAL:
DATE:

REVISIONS

NAME
DATE

ALVIN HOFFPAUL
6/14/2016