CALIFORNIA DEPARTMENT OF PARKS AND RECREATION

FISH ACCESS RESTORATION AT MANLY GULCH

MENDOCINO WOODLANDS STATE PARK CAMP 3, MENDOCINO, CALIFORNIA

CSFM # 01-23-11-0017

SCOPE OF WORK

1. All materials shown or noted on the Plans and/or Notes are new unless called out otherwise.
2. In Steam Construction Activities are limited to August 9 through October 31. Project will be subject to State Parks Environmental Monitor.
3. The project will be subject to construction modifications.
4. The contractor shall verify the site and verify all existing conditions shown or dimensioned here. Any discrepancies shall be brought to the attention of the State Representative for resolution before proceeding with that portion of the work.
5. All work shall comply with the current edition of the following listed codes, and all other having jurisdiction over the work.
6. All work shall be in accordance with the latest safety rules, codes, and regulations of the State Fire Marshal and all authorities having jurisdiction over the work.
7. All work shall be in accordance with the construction documents. Where detailed information or clarification is required, the matter shall be referred to the State Representative for written resolution.
8. The contractor shall not scale the drawings, but shall rely only on the written dimensions given. If a discrepancy occurs or no dimension is given, the contractor shall notify the State Representative for written clarification before proceeding with that portion of the work.
9. The contractor shall fully verify all existing conditions at the site and shall report discrepancies in writing to the State Representative prior to construction of new work.
10. All areas outside the limits of survey are approximate.
11. All trees and vegetation to be protected unless approved for removal.
12. Contractor is responsible for complying with all project permits. Copies of all permits shall remain on site.
13. A set of shop drawings and specifications shall be kept on site at all times.
14. Place materials not conforming to specifications shall be removed and replaced as directed by the Park at no expense to the Park.

GENERAL NOTES

- California Department of Parks and Recreation (CPR) California Department of Fish and Wildlife (CDFW P-16688)
- Trout Unlimited
- NOAA National Marine Fisheries Service (NMFS)

PREPARED BY

Taber Consultants
30429.001

30429.001
1 1 OF 31
SITE CLEANING NOTES

1. THERE SHALL BE NO CLEARING BEYOND THE LIMIT OF DISTURBANCE SHOWN ON THE PLANS.
2. THE LIMIT OF DISTURBANCE DOES NOT IDENTIFY THE AREA LIFTED OR REMOVED IN THE CLEARING. THE EXTENT OF CLEARING SHALL BE DIMENDED TO THE EXTENT POSSIBLE WITHIN CONSTRUCTION ACCESS AREAS TO ALLOW MANEUVERABILITY OF EQUIPMENT.
3. TREE AND PLANT PROTECTION SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. TREE PROTECTION ZONES WITHIN THE LOD SHALL BE MULCHED WITH 4-INCH THICKNESS OF WOOD CHIPS.
4. FOREST DUFF, INCLUDING DOWNED NEEDLES AND BRANCHES LESS THAN 1 FOOT IN LENGTH SHALL BE SALVAGED PRIOR TO CLEARING, STOCKPILED AND REUSED FOR SITE STABILIZATION AS SPECIFIED.
5. TREES SPECIFIED FOR REMOVAL SHALL BE REMOVED AND SALVAGED TO RETAIN LOG LENGTHS SPECIFIED FOR USE, AND DEBARKED TO LEAVE MINIMUM 6-INCH LIFTS AND TRACK OR BUCKET-COMPACTED TO 80% R.C., UNLESS OTHERWISE NOTED.
6. SITE CLEARING AND MATERIAL SALVAGING.

EXCAVATION NOTES

1. ALL UTILITIES SHOWN (IF ANY) WERE LOCATED FROM ABOVE GROUND VISUAL STRUCTURES OR RECORDS. NOTIFY UNDERGROUND SERVICE ALERT OR DIGALERT AT LEAST TWO DAYS PRIOR TO ANY GRADING OR EXCAVATION WITHIN THE SITE BY CALLING 811 OR 1-800-227-2600.
2. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES, FEATURES AND STRUCTURES LOCATED IN THE UTILITIES UNLESS PREVIOUSLY ARRANGED WITH STATE'S REPRESENTATIVE.

UTILITY NOTES

1. ALL UTILITIES SHOWN (IF ANY) WERE LOCATED FROM ABOVE GROUND VISUAL STRUCTURES OR RECORDS. NOTIFY UNDERGROUND SERVICE ALERT OR DIGALERT AT LEAST TWO DAYS PRIOR TO ANY GRADING OR EXCAVATION WITHIN THE SITE BY CALLING 811 OR 1-800-227-2600.
2. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES, FEATURES AND STRUCTURES LOCATED IN THE UTILITIES UNLESS PREVIOUSLY ARRANGED WITH STATE'S REPRESENTATIVE.

WATER POLLUTION CONTROL SPECIFICATIONS

1. BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE APPROVED SWPPP. AT A MINIMUM THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING BMP'S AS SPECIFIED IN THE CURRENT CALIFORNIA STORMWATER BMP HANDBOOK FOR CONSTRUCTION (BMP HANDBOOK) (WWW.CASQA.ORG) INCLUDING: EC-2 PRESERVATION OF EXISTING VEGETATION NS-5 CLEAR WATER DIVERSION NS-9 VEHICLE EQUIPMENT AND FUELING EC-8 WOOD MULCHING WM-4 SPILL PREVENTION AND CONTROL WM-5 SOLID WASTE MANAGEMENT WM-9 SANITARY/SEPTIC WASTE MANAGEMENT

SEQUENCE OF CONSTRUCTION

1. EXCAVATION
2. TEMPORARY UTILITY RELOCATIONS
3. INSTALLATION OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES, AS NEEDED
4. INSTALLATION OF WATER MANAGEMENT AND AQUATIC ORGANISM EXCLUSION DEVICES
5. REMOVAL OF AQUATIC ORGANISMS
6. SITE CLEARING AND MATERIAL SALVAGING
7. INSTALLATION OF TEMPORARY TRAFFIC IMPROVEMENTS
8. STREAM CHANNING AND BRIDGE FOUNDATION EXCAVATION
9. INSTALLATION OF IN-STREAM STRUCTURES AND BRIDGE FOUNDATIONS
10. INSTALLATION OF BRIDGE DECK AFTER STREAM WORK UNDER BRIDGE IS COMPLETE
11. COMPLETION OF IN-STREAM WORK
12. REMOVAL OF WATER MANAGEMENT AND AQUATIC ORGANISM EXCLUSION DEVICES
13. UTILITY RELOCATIONS
14. ROADWAY CONSTRUCTION
15. SITE STABILIZATION
16. EMBANKMENT.

NOTES

1. THIS CONTRACT SHALL INCLUDE SEQUENCE OF CONSTRUCTION, BUSINESSES, ACCESSIBILITY AND STATE FIRE MARSHAL SIGNED ORIGINALS ARE ON FILE AT THE DEPARTMENT OF PARKS AND RECREATION, NORTHERN SERVICE CENTER.
2. CONTRACTOR SHALL IMPLEMENT OTHER BMP'S AS SPECIFIED IN THE BMP HANDBOOK DICTATED BY SITE CONDITIONS OR AS DIRECTED BY STATE'S REPRESENTATIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINES AND CLEANUP RESULTING FROM A STORMWATER POLLUTION VIOLATION.
3. THERE SHALL BE NO CLEARING BEYOND THE LIMIT OF DISTURBANCE SHOWN ON THE PLANS.
4. THE LIMIT OF DISTURBANCE DOES NOT DENOTE THE LIMIT OF CLEARING AND GRUBBING. THE EXTENT OF CLEARING SHALL BE MINIMIZED TO THE EXTENT POSSIBLE WITHIN CONSTRUCTION ACCESS AREAS TO ALLOW MANEUVERABILITY OF EQUIPMENT.
5. TREES SPECIFIED FOR REMOVAL SHALL BE REMOVED AND SALVAGED TO RETAIN LOG LENGTHS SPECIFIED FOR USE, AND DEBARKED TO LEAVE MINIMUM 6-INCH LIFTS AND TRACK OR BUCKET-COMPACTED TO 80% R.C., UNLESS OTHERWISE NOTED.
6. THE CONTRACTOR SHALL HAVE SPILL CONTAINMENT MATERIALS LOCATED AT THE SITE WITH OPERATORS TRAINED IN SPILL CONTROL PROCEDURES.
7. THE CONTRACTOR SHALL PROVIDE BEAR-PROOF RECEPTACLES FOR COMMON SOLID WASTE AT CONVENIENT LOCATIONS ON THE JOB SITE AND PROVIDE REGULAR COLLECTION OF WASTES.
8. NATIVE DUFF, INCLUDING DOWNED NEEDLES AND BRANCHES LESS THAN 1 FOOT IN LENGTH SHALL BE SALVAGED PRIOR TO CLEARING, STOCKPILED AND REUSED FOR SITE STABILIZATION AS SPECIFIED.
9. TREES SPECIFIED FOR REMOVAL SHALL BE REMOVED AND SALVAGED TO RETAIN LOG LENGTHS SPECIFIED FOR USE, AND DEBARKED TO LEAVE MINIMUM 6-INCH LIFTS AND TRACK OR BUCKET-COMPACTED TO 80% R.C.
10. TREES SPECIFIED FOR REMOVAL SHALL BE REMOVED AND SALVAGED SUCH THAT THE ROOT WAD REMAINS INTACT AND LOG LENGTH SPECIFIED REMAINS ATTACHED.
11. IT WILL BE AT THE RESPONSIBILITY OF THE CONTRACTOR TO FIX ANY DEFICIENCIES INDICATED BY STATE'S REPRESENTATIVE TO PREVENT EROSION AND CONTROL SEDIMENT.
12. ALL DISTURBED AREAS, EXCEPT CHANNEL BOTTOMS AND BANKS SHALL BE STABILIZED WITH SALVAGED DUFF OR WOOD CHIP MULCH, UNLESS OTHERWISE SPECIFIED.
WATER MANAGEMENT

ACQUISITION & DEVELOPMENT DIVISION
One Capitol Mall
Sacramento, CA 95814-3229

ACCESSIBILITY COMPLIANCE AND STATE FIRE MARSHAL SIGNED ORIGINALS ARE ON FILE AT THE DEPARTMENT OF PARKS AND RECREATION, NORTHERN SERVICE CENTER

CERTIFICATION # Reviewed by Date Approved of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

CALIFORNIA STATE FIRE MARSHAL- APPROVED

FISH ACCESS RESTORATION TO MANLY GULCH IN MENDOCINO WOODLANDS STATE PARK

TEMPORARY CLEAR WATER DIVERSION

TYPICAL PLAN (NTS)

TEMPORARY DEWATERING MEASURES

TYPICAL PLAN (NTS)

WATER MANAGEMENT
NEW CHANNEL CENTERLINE ALIGNMENT

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SURVEY CONTROL POINT TABLE

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HORIZONTAL AND VERTICAL CONTROL

SURVEY AND STAKED NOTES
1. TEMPORARY WASH PROTECTION WILL BE PROVIDED TO PREVENT RUSML FROM ENTERING THE PROJECT AREA. PROTECTION CURVES IN ACCORDANCE WITH THE DEPARTMENT OF FORESTRY AND FIRE PROTECTION CCRR STANDARDS (2006).  
2. LOCATION OF THE STAKED CURVE POINTS SHALL BE FORMED IN ACCORDANCE WITH THE LAWS OF THE STATE OF CALIFORNIA ANDparedStatement recreation area.
3. TEMPORARY WASH PROTECTION TO BE PROVIDED TO PREVENT RUSML FROM ENTERING THE PROJECT AREA. PROTECTION CURVES IN ACCORDANCE WITH THE DEPARTMENT OF FORESTRY AND FIRE PROTECTION CCRR STANDARDS (2006).
8

TREE REMOVAL PLAN

DPR ACCESS COMPLIANCE REVIEW

ACCESSIBILITY SECTION

SHEET NO.

DRAWING NO.

OF DRAWN:

REVISIONS

PG&E / AT&T LINES  5/16

DESIGNED:

ACQUISITION & DEVELOPMENT DIVISION

One Capitol Mall
Sacramento, CA 95814-3229

DATE:

ACCESSIBILITY COMPLIANCE AND STATE FIRE MARSHAL SIGNED ORIGINALS ARE ON FILE AT THE DEPARTMENT OF PARKS AND RECREATION, NORTHERN SERVICE CENTER

CERTIFICATION #

Reviewed by Date

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CALIFORNIA STATE FIRE MARSHAL- APPROVED

FISH ACCESS RESTORATION TO MANLY GULCH IN MENDOCINO WOODLANDS STATE PARK

ML/RS

ML

3/15/2015

100% SUBMITTAL

C-4.0

0

50

Ft
CHANNEL ALIGNMENT AND PROFILE 3

DPR ACCESS COMPLIANCE REVIEW

ACCESSIBILITY SECTION

SHEET NO. 11

DRAWING NO. OF DRAWN:

REVISIONS CHECKED:

DATE DESIGNED:

ACQUISITION & DEVELOPMENT DIVISION
One Capitol Mall
Sacramento, CA 95814-3229

DATE:

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CALIFORNIA STATE FIRE MARSHAL- APPROVED

FISH ACCESS RESTORATION TO MANLY GULCH IN MENDOCINO WOODLANDS STATE PARK

3/15/2015

ML/RS
AL/NN
ML

31

C-7.0
LOG SOIL ANCHORING REQUIREMENTS

LOG SOIL ANCHORING REQUIREMENTS: 31/2

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LOG SOIL ANCHORING REQUIREMENTS: 4 1/2

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LOG SOIL ANCHORING REQUIREMENTS: 5 1/2, 6 1/2, AND 8

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<td>TRAINING LOG</td>
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NOTE:
- Number of soil anchors is dependent on salvaged log diameter.
- Log diameter shall be measured at the mid-point of the log.
- No log shall be less than 3.5-ft diameter.
- Foster log does not require soil anchors. Insert friction anchors as specified.
- Log ends exceeding the minimum diameter will need additional soil anchors as directed by State Representative.

FISH ACCESS RESTORATION TO MANLY GULCH IN MENDOCINO WOODLANDS STATE PARK.

C-14.0

ML/RS
AL/NN
ML
3/15/2015
100% SUBMITTAL

CALIFORNIA STATE FIRE MARSHAL - APPROVED

ACQUISITION & DEVELOPMENT DIVISION
One Capitol Mall
Sacramento, CA 95814-3229

DATE:
ACCESSIBILITY COMPLIANCE AND STATE FIRE MARSHAL SIGNED ORIGINALS ARE ON FILE AT THE DEPARTMENT OF PARKS AND RECREATION, NORTHERN SERVICE CENTER.

NOTE:
- Log shall be measured at the mid-point of the log.
- No log shall be less than 3.5-ft diameter.
- Foster log does not require soil anchors. Insert friction anchors as specified.
- Log ends exceeding the minimum diameter will need additional soil anchors as directed by State Representative.
1. **LOGS SHALL MEET THE MINIMUM DIMENSIONS SHOWN ON THE CONTRACT DOCUMENTS.** LOG DIAMETER SHALL BE THE AVERAGE (MIDPOINT) DIAMETER OF THE SPECIFIED LENGTH LOG.

2. **LOG LENGTHS SHALL NOT BE ACCOMPLISHED BY JOINING MULTIPLE LOGS,** UNLESS APPROVED BY OWNER.

3. **INCORPORATE SLASH INTO LOG STRUCTURES WHEN SPECIFIED SUCH THAT IT IS TIGHTLY PINNED BY THE OVERLYING LOGS.**

4. **ALL LOGS SHALL BE ANCHORED WHERE SPECIFIED WITH THE NUMBER OF ANCHORS SPECIFIED.** ANCHORS SHALL BE LOCATED A MINIMUM OF 2 FEET FROM THE END OF THE LOG UNLESS OTHERWISE NOTED.

5. **REBAR SHALL BE INSERTED THROUGH THE CENTER OF EACH LOG AND BOLTED AS SPECIFIED.** REBAR, WASHER, AND NUT, SHALL BE FULLY RECESSED WITHIN THE LOG. CUT REBAR WITHIN 1-INCH OF NUT.

6. **TO MINIMIZE MOVEMENT OF LOGS,** ANCHORING SHALL BE INSTALLED SUCH THAT CONNECTIONS ARE TIGHT.

7. **AFTER INSTALLATION, THE BOLTED ENDS OF THE REBAR SHALL BE MUSHROOMED TO PREVENT THE CONNECTION FROM LOOSENING.**
NOTES:
1. DURING CONSTRUCTION OF BRIDGE, A TEMPORARY BYPASS WATER MAIN SHALL BE INSTALLED FOR 4-INCH WATER MAIN.
2. INSTALL ISOLATION GATE VALVES ON EXISTING WATER LINE COMPLETE WITH TRAFFIC SIGNS, VALVE BOX AND DETAIL SHEET C-18.
3. INSTALL APPROX. 80' OF HOPE PIPE ON GROUND SURFACE. NO VALVE BOX IS REQUIRED.
4. CONTRACTOR TO PROVIDE BARRIERS TO PROTECT TEMPORARY WATER LINE FROM VEHICULAR TRAFFIC.

DPR ACCESS COMPLIANCE REVIEW
ACCESSIBILITY SECTION

SHEET NO. DRAWING NO. OF DRAWN
REVISIONS
DATE
DESIGNED:
ACQUISITION & DEVELOPMENT DIVISION
One Capitol Mall
95814-3229
Sacramento, CA.

DATE:
1. EXISTING 12" RAW WATERLINE TO REMAIN IN PLACE DURING SPECIFIC CONSTRUCTION. CONSTRUCTION TO USE LOCATION OF PIPELINE AND PROTECT IN PLACE UNTIL REMOVAL TO SPECIFIC CROSSING.
2. TRANSITION EXISTING WATER LINES FROM 90° OF CURVES TO HORIZONTAL AT BRIDGE LINE ON SPECIFIC "T" SECTION AND CONNECTION DETAILS SHOWN.

CALIFORNIA STATE FIRE MARSHAL - APPROVED

FISH ACCESS RESTORATION TO MANLY GULCH IN MENDOCINO WOODLANDS STATE PARK
PLAN AND PROFILE - WATER MAIN RELOCATION
C-19
5/6/16
L. SCROGGS
M. HOOSHANGI
J. JURRENS

50429.023
TYPICAL TRENCH SECTION

- Gravel Road (See Sheet C-12)
- Detectable Warning Tape
- Backfill
- Utility Trench Covering
- Water, sewer, or gas pipe

TYPICAL BURIED VALVE

- Belted Cast Iron Cover
- Traffic Rated
- Water Main Inlet
- Gate Valve, Size to Match Pipe
- Drainage Fill

TYPICAL TRENCH NOTES:
1. Use standard construction and connections as shown, except for the backfill of the utility trench covering.
2. No backfill around utility trench.
3. Circuiting required to be tested.
4. Trench excavated shall concur to Southern California Gas standards.
5. All other requirements listed above must also be met.
NOTES:
1. Utilization trench shall be excavated manually within tree root zone.
2. See Sheet C-17 to C-18 for temporary waterline details.

EXISTING TREE LOCATION: 13th

TEMPORARY BYPASS WATER LINE (SEE NOTE 1)

JUNCTION BOX LOCATION: 28' OF FIELD GROUND

CAMP ROAD

TEMPORARY 4/0 ELECTRIC DISTRIBUTION CONDUIT

TEMPORARY 3/0 ELECTRIC SERVICE CONDUIT

APPROX DEPTH OF TEMP. TRAFFIC BYPASS ROAD (SEE SHEET CHANNEL ALIGNMENT AND PROFIL E 1")

JUNCTION BOX LOCATION TO BE DETERMINED

TEMPORARY 7' TELEPHONE CONDUIT

PLAN

SCALE: 1" = 10'

TYPICAL UTILITY SECTION

NO SCALE

CALIFORNIA STATE FIRE MARSHAL - APPROVED

FISH ACCESS RESTORATION TO MANLY GULCH IN MENDOCINO WOODLANDS STATE PARK

ELECTRIC AND TELEPHONE TEMPORARY RELOCATION

C-21

APPROVED FOR USE IN THE STATE OF CALIFORNIA BY THE CALIFORNIA STATE FIRE MARSHAL

ACQUISITION & DEVELOPMENT DIVISION
One Capitol Mall
Sacramento, CA
95814-3229
INDEX TO BRIDGE PLANS

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<td>General Notes</td>
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<td>Foundation Plan</td>
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<td>Abutment Details</td>
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<td>31</td>
<td>Typical Section</td>
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Noted:

1. For General Notes, Definitions and Hydraulic Summary, see "General Notes" sheet.

2. Where to be detailed during construction, Contractor shall provide adequate barricades and signage to protect the work area, as required.

3. Prepare and stain all exposed concrete surfaces.

Note:

The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.
**GENERAL NOTES**

**LOAD AND RESISTANCE FACTOR DESIGN**

**DESIGN:**
- ACI/ASCE-50 Bridge Design Specifications

**WEIGHT:**
- Does not include 30 psf for future wearing surface.

**ENGINES:**
- California General Design Criteria (CGDC), Version 1.0, June 201
- Superstructure consists of steel for the structure design 18,000 Ib [Unfactored]
- Live Loading:
  - Maximum: 2000 lb [Unfactored]
- Dead Loading:
  - Maximum: 80 lb [Unfactored]

**RECOMMENDATIONS:**
- A live load factor was applied for both pedestrian and vehicle loads with a 20% increase in structural calculations for periods greater than 1.0 second and a 12% increase in structural for periods between 0.5 and 1.0 seconds.

**REINFORCED CONCRETE:**
- w = 60 lb
- a = 36 lb
- d = 8.0

**FOOTING AND PRESSURE:**
- See Spread Footing Data Table
- Footing necessary, inspection is required.

**CONCRETE STRENGTHS AND TYPE LIMITS**

- Structure Concrete, Bridge
- Structural Concrete, Bridge Post-Tensioned

**GENERAL NOTES**

**PRE-FABRICATED SUPERSTRUCTURE**

**LOADING:**
- DGW and post design load
- Superstructure requires for substructure design 64,200 lb [Factored]

**RECOMMENDATIONS:**
- Design for the structure design 18,000 Ib [Unfactored]
- Live Loading:
  - Maximum: 2000 lb [Unfactored]
- Dead Loading:
  - Maximum: 80 lb [Unfactored]

**FABRICATION:**
- Use of Grade 60 Steel for all reinforcing bars and structural steel
- Use of Galvanized Steel for reinforcing bars and structural steel

**HYDROLOGIC SUMMARY**

- Drainage area: 0.56 square miles

**DESIGN FLOOD**
- Frequency (years): 100
- Discharge: 0.00 cubic feet per second
- Water Surface Elevation: 97.6

**DATA BASED UPON INFORMATION PROVIDED BY MICHAEL LOVE ASSOCIATES**

**LIMITS OF ALLOWABLE EXCAVATION AND SHORING AREA**

**QUANTITIES**

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**REMARKS**

- Pre-Fabricated Bridge

**ACCELERATION RESPONSE SPECTRUM CURVE**

- Frequency (cycles): 0.00
- Maximum Acceleration: 1.00

**M. KATT**

**M. RAMIREZ**

**S. SALVADOR**
<table>
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<td>Nut Structure</td>
</tr>
<tr>
<td>3</td>
<td>10049.15</td>
<td>5109.22</td>
<td>100.46</td>
<td>&quot;CAMP ROAD&quot;</td>
<td>12478.52</td>
<td>49.02</td>
<td>Lt</td>
<td>Nut Structure</td>
</tr>
</tbody>
</table>

**SURVEY CONTROL POINT DATA COORDINATE TABLE**

**LOAD AND RESISTANCE FACTOR DESIGN SPREAD FOOTING DATA TABLE**

<table>
<thead>
<tr>
<th>Location</th>
<th>Gross Allowable Bearing Stress (Service)</th>
<th>Factored Cross Normal Bearing Resistance (Resistant Factor) (Strength)</th>
<th>Factored Cross Normal Bearing Resistance (Resistant Factor) (Extreme Event)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abut 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Abut 2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
REVIEWED BY:
M. KATT
M. RAMIREZ
3129
S. SALVADOR
30429.029

NOTES:
1. Abutment 1 shown, Abutment 2 similar.
2. Elaborate Bearing Pad area and anchor bolt dimensions and details may vary per bridge manufacturer's requirements.
3. For sections and details not shown, see "Abutment Details" sheet.
TYPICAL SECTION

3/15/16

M. KATT
M. RAMIREZ
S. SALVADOR

Note:
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.