NOTES:

1. CLEARING AND GRUBBING SHALL INCLUDE REMOVAL OF TREES, BOULDERS, AND OTHER MATERIALS AS REQUIRED TO FACILITATE WALL CONSTRUCTION. BOULDERS SHALL BE TEMPORARILY STOCKPILED ON SITE AND PLACED ALONG THE BASE OF THE WALL AS SHOWN ON SECTIONS A & B ON SHEET 3.

2. REMOVE EXISTING WALL STEM AND TRIM EXISTING SOLDIER PILES AND WOOD POSTS TO AT LEAST 12 IN BELOW FINISHED GRADE.

3. OVERALL SITE SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN PROPER CLEARANCES FROM EXISTING OVERHEAD LINES.
Canyon Road Wall Replacement
145 Canyon Road
Fairfax, California

1. Retaining Wall at Soldier Pile
2. Retaining Wall at Tieback
3. Culvert through Lagging
4. Hope Shims for Lagging

ELEVATION (FEET)
190
160
170
180
190
165
175
185
100
1+00
1+20
1+40
1+60
1+80
2+00

STA 1+06, 30 DEG RETURN
STA 1+84, 30 DEG RETURN

WALER, DETAILS 2 & 3/SHEET 4
TIEBACK, DETAIL 1/SHEET 4

APPROXIMATE FINISHED GRADE BELOW WALL
9 FT MAX
10 FT TYP

A - B - 4 X 12 PTDF LAGGING

EXTEND CMP PIPE THROUGH WALL, DETAIL 2/SHEET 3

TOP OF WALL

APPROX LOCATION OF (E) SEWER, CONTRACTOR TO POTHOLE AND LOCATE PRIOR TO WALL CONSTRUCTION

COMPACT BACKFILL TO 90% RELATIVE COMPACTION

SLOPE EXCAVATION PER OSHA REQUIREMENTS

12-IN-WIDE WALL DRAIN TO CONSIST OF CALTRANS CLASS 2 PERMEABLE MATERIAL OR CLASS 1 PERMEABLE MATERIAL ENCASED IN FILTER FABRIC. CAP WALL DRAIN WITH 12 IN OF COMPACTED CLAYEY SOILS

REPLACE OUTER 5-FEET OF EXISTING PAVEMENT SECTION WITH 3 IN ASPHALT OVER 6 IN CALTRANS CLASS 2 AGG BASE COMPACTED TO 95% RELATIVE COMPACTION

4 X 12 PTDF LAGGING, PLACE 1/2-IN HDPE SHIMS BETWEEN EACH LAGGING BOARD, DETAIL 1/SHEET 3

9 FT MAX
10 FT TYP

W 10 X 15 STEEL BEAM, APPLY PROTECTIVE COATING TO 12 IN BELOW FINISHED GRADE

BACKFILL DRILLED HOLE WITH CONCRETE

APPROX LOCATION OF (E) SEWER, CONTRACTOR TO POTHOLE AND LOCATE PRIOR TO WALL CONSTRUCTION

PLACE (E) BOULDERS TO BURY BOTTOM 12 IN OF WALL
PLACE (E) BOULDERS TO BURY BOTTOM 12 IN OF WALL

DRAWN
CHECKED
DESIGNED

5/3/2023
504 Redwood Blvd.
Suite 220
Novato, CA 94947
T  415 / 382-3444
F  415 / 382-3450
www.millerpac.com

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FILE: 201.143 Drawings, Construction Set.dwg

WALL PROFILE & DETAILS
RCA
RCA
SAS

3
MIN. BONDED LENGTH = 14 FT

UNBONDED LENGTH = 6 FT

TIEBACK NOTES:
1. TIEBACK DESIGN LOAD = 22 KIPS, MAXIMUM TEST LOAD = 30 KIPS
2. HAND PACK GROUT IN REMAINING VOID UPON COMPLETION OF ANCHOR TEST LOADING AND FINAL ANCHOR LOCK-OFF
3. AFTER HAND-PACKED GROUT HAS CURED, PAINT ALL EXPOSED BAR, WALER, PLATE ASSEMBLY, WASHER AND NUT WITH COAL-TAR EPOXY COATING
4. INSTALL TRUMPET AND CAP AT NAIL HEAD AND FILL WITH GROUT OR GREASE PER MANUFACTURER'S RECOMMENDATIONS

ANCHOR NUT, BEARING WASHER AND WEDGE WASHER

PAINT ALL EXPOSED STEEL ELEMENTS WITH COAL TAR EPOXY COATING (SEE NOTE 3)

A- WALER, SEE DETAILS 2 & 3
B- "TRUMPET" SEE NOTE 4.

INITIAL GROUT LEVEL
SMOOTH PVC SHEATHING
SEAL TAPE (TYP)
DOUBLE CORROSION PROTECTION
CENTRALIZER AT 5 FT SPACING

GRADE TO X-X NO. 7 common THROUGH ALL APPROVED DESIGN
OPTIONAL POST GROUT TUBE 3 IN.
MIN. CLR. 6-IN-DIAM DRILLED HOLE END CAP
INITIAL GROUT TUBE

CORRUGATED PVC SHEATHING
SHOP GROUTED FULL LENGTH
CENTRALIZER AT 5 FT SPACING
GRADE 75 KSI, NO. 7 DYWIDAG THREADBAR (OR APPROVED EQUAL)

OPTIONAL POST GROUT TUBE
Date: 2100
Canyon Road Wall Replacement
HIGHLY ORGANIC SOILS

Fracture Classification
Subsurface rock, soil and water conditions may differ in other locations and with the passage of time. Boundaries between differing soil or rock and water conditions may vary in different locations within the project site at the excavation location during the time of exploration. Test boring and test pit logs are an interpretation of conditions encountered at the location and time of exploration.

NOTE:

WEATHERING

WEIGHT pcf (2)
DRY UNIT CONTENT (%)

Hardness

Strength

Weathering

FRACTURING AND BEDDING

NOTES:

BORING 1
EQUIPMENT: Rock auger
BORING LOGS
DATE: 11/07/16
NOTES: Doug Shafer, 2015
### Tree Schedule

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Botanical Name</th>
<th>Common Name</th>
<th>Size</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Aesculus Caliornica</td>
<td>California Buckeye</td>
<td>1 Gallon</td>
<td>9</td>
</tr>
<tr>
<td>B</td>
<td>Fraxinus Latifolia</td>
<td>Oregon Ash</td>
<td>1 Gallon</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>Quercus Lobata</td>
<td>Valley Oak</td>
<td>15 Gallon</td>
<td>5</td>
</tr>
</tbody>
</table>

### Shrub and Perennial Planting Schedule

<table>
<thead>
<tr>
<th>Botanical Name</th>
<th>Common Name</th>
<th>Size</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corylus Cornuta</td>
<td>CA Hazelnut</td>
<td>1 Gallon</td>
<td>2</td>
</tr>
<tr>
<td>Heteromeles Arbutilfora</td>
<td>Toyon</td>
<td>1 Gallon</td>
<td>2</td>
</tr>
<tr>
<td>Juncus Patens</td>
<td>Common Rush</td>
<td>1 Gallon</td>
<td>6</td>
</tr>
<tr>
<td>Rubus Ursinus</td>
<td>CA Blackberry</td>
<td>D-40</td>
<td>8</td>
</tr>
<tr>
<td>Symphoricarpus mollis</td>
<td>Snowberry</td>
<td>D-40</td>
<td>12</td>
</tr>
</tbody>
</table>

### Revegetation Notes

1. Container plants shall be restoration-grade native plants. Cultivars of native species will not be accepted. County of origin for each plant shall be noted in submittal.
2. Final layout of container plants to be approved by O.R. in the field. Contractor to provide means of marking plant locations.
3. Contractor shall provide plants in container sizes noted in submittal. In some circumstances, container sizes may be substituted with O.R. approval. The following are plant quantity ratios for plant container size substitutions. Contractor to provide a submittal for all proposed substitutions. See specifications.
   - 15 gal pot = No substitutions
   - 5 gal pot to 4 gal treepot = 1:1.2
   - 1 gal pot to 5 in. = 1:1.2
   - 1 gal pot to 4 in. = 1:2
   - 1 gal pot to D-16 = 1:2
4. Plants shall be unevenly spaced, unless directed otherwise by O.R. in the field.
5. Current site conditions provide limited to no riparian vegetation, and no Salix spp. were located in the project vicinity. Proposed planting palette is typical mixed oak woodland.