Project Manual

Accessibility Improvements
College of the Redwoods
Eureka, California

Redwoods Community College District

MARCH, 2001

NM&R Job No. 2895
Accessibility Improvements
College of the Redwoods

NM&R Project 2895

ARCHITECT:
NICHOLS MELBURG & ROSSETTO
300 Knollcrest Drive
Redding CA. 96002
(530) 222 3300 (530) 222 8988 FAX

Dan S. Rossetto
C 9273

MECHANICAL/ELECTRICAL ENGINEER:
SACRAMENTO ENGINEERING CONSULTANTS
10555 Old Placerville
Sacramento, CA 95827
(916) 368-4488 (916) 368-4480 FAX

Rickert Henriksen
E-10629/M-029816

Division of the State Architect Approval:

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT

103626
# TABLE OF CONTENTS

**INTRODUCTION**

- ADVERTISEMENT FOR BIDS
- INSTRUCTIONS TO BIDDERS
- BID FORM
- AGREEMENT
- BID BOND
- PERFORMANCE BOND
- PAYMENT BOND
- GUARANTEE FORM
- GENERAL CONDITIONS
- SUPPLEMENTAL GENERAL CONDITIONS

**DIVISION 01 – GENERAL REQUIREMENTS**

- 01010 SUMMARY OF WORK
- 01027 APPLICATIONS FOR PAYMENT
- 01028 CHANGE ORDER PROCEDURES
- 01030 ALTERNATE BIDS AND UNIT PRICES
- 01039 COORDINATION AND MEETINGS
- 01090 REFERENCE STANDARDS
- 01300 SUBMITTALS
- 01400 QUALITY CONTROL
- 01410 TESTING LABORATORY
- 01500 CONSTRUCTION
- 01600 MATERIAL AND EQUIPMENT
- 01650 STARTING OF SYSTEMS
- 01700 CONTRACT CLOSE-OUT
- 01710 CONSTRUCTION CLEANING

**DIVISION 02 – SITE WORK**

- 02072 DEMOLITION
- 02222 EXCAVATION
- 02223 BACKFILL AND FILL
- 02225 TRENCHING
- 02514 PORTLAND CEMENT CONCRETE PAVING & AGGREGATE BASE

**DIVISION 03 - CONCRETE**

- 03100 CONCRETE FORMWORK
- 03200 CONCRETE REINFORCEMENT
- 03300 CAST-IN-PLACE CONCRETE
- 03346 CONCRETE FLOOR FINISHING

**DIVISION 05 – METAL**

- 05521 PIPE AND TUBE RAILING

03/01

College of the Redwoods
Accessibility Improvements
NMR Project No. 2895
DIVISION 06 – WOOD AND PLASTIC
06112 FRAMING AND SHEATHING
06114 WOOD BLOCKING AND CURBING
06200 FINISH CARPENTRY
06410 CUSTOM CASEWORK

DIVISION 07 – THERMAL AND MOISTURE CONTROL
07190 VAPOR BARRIER
07213 BATT INSULATION
07900 JOINT SEALERS

DIVISION 08 – DOORS AND WINDOWS
08110 STANDARD STEEL DOORS AND FRAMES
08210 WOOD DOORS
08305 ACCESS DOORS
08710 FINISH HARDWARE
08800 GLAZING

DIVISION 09 – FINISHES
09260 GYPSUM BOARD SYSTEMS
09311 CERAMIC TILE FLOOR FINISH
09312 CERAMIC TILE WALL FINISH
09688 CARPET GLUE-DOWN
09900 PAINTING

DIVISION 10 – SPECIALTIES
10125 VISUAL DISPLAY CABINETS
10161 METAL TOILET COMPARTMENTS
10210 METAL LOUVERS
10441 INTERIOR SIGNS
10800 TOILET AND BATH ACCESSORIES

DIVISION 15 – MECHANICAL
15400 PLUMBING

DIVISION 16 - ELECTRICAL
16010 ELECTRICAL REQUIREMENTS
16721 FIRE ALARM SYSTEM
# Structural Tests and Inspections

**Testing Laboratory:**
- **Name:** College of the Redwoods
- **District / Owner:** Redwoods Community College School District
- **Architect:** Dan Rosello
- **Structural Engineer:**

## Compacted Fill
- Fill material, acceptance tests: By Soil Engr.
- Compaction control, continuous: By Soil Engr.
- Compaction tests only as ordered
- Bearing capacity of compacted fill

## Reinforcing Steel
- Sample and test bar steel: Field Engr., May waive
- Sample and test mesh
- Inspect placing at job

## Structural Steel
- Sample and test as detailed below
- Shop fabrication inspection
- Field erection inspection
- Inspection of welds: Shop
- Inspection of welds: Field
- Inspection of riveting or bolting: Shop (H.S. only)
- Inspection of riveting or bolting: Field (H.S. only)
- Sample and test high strength bolts and washers

## Brick and Block
- Sample and test:
  - Test only
  - Inspection of placing
  - Core drill samples

## Ply Laminated Structural Lumbar
- Fabrication inspection
- Sample and test steel accessories
- Inspect fabrication of steel accessories

## Suitability Tests
<table>
<thead>
<tr>
<th>Material</th>
<th>Concrete</th>
<th>Gunite</th>
<th>Mortar</th>
<th>Grout</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Size</td>
<td>3.500</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Mix Designs:** Concrete, Gunite, Mortar or Grout

- Sodium sulphate
- Structural strength
- Los Angeles rattler
- Clay (Hydrometer method)
- Reactivity tests
- Volume change

**Notes:**
- Per lab discretion

## Copies of Reports to:
- **Architect**
- **Struct. Engr.**
- **DS A Inspector**

**SSS 103-1 (Revised 8/99)**
PART 1 GENERAL

1.01 SECTION INCLUDES

A. Work by Contractor.
B. Owner furnished products.
C. Contractor use of site and premises.
D. Future work.
E. Work Sequence.
F. List of Drawings.

1.02 WORK BY CONTRACTOR

A. Remodeling portions of the College of the Redwoods Eureka Campus for improvements to disabled access, including all labor and materials necessary to complete the sitework, building and utility connections as outlined on the Drawings listed below.

1.03 PRODUCTS SUPPLIED AND INSTALLED BY OWNER

A. Owner's Responsibilities:
   1. Arrange for and deliver Owner reviewed shop drawings, product data, and samples to Contractor.
   2. Arrange and pay for product delivery to site.
   3. On delivery, inspect products jointly with Contractor.
   4. Submit claims for transportation damage and replace damaged, defective, or deficient items.
   5. Arrange for manufacturer's warranties, inspections and service.

B. Contractors' Responsibilities:
   1. Contractor shall be responsible for coordinating and cooperating with contractors under separate contracts with Owner.

1.04 CONTRACTOR USE OF SITE

A. Access to Site: From College Avenue.
B. Construction Operations: Limited to areas noted on Drawings.
C. Time Restrictions for Performing Interior and Exterior Work: None.
D. Utility Outages and Shutdown: Approved by school administration.
1.05 PREPARATION FOR FUTURE WORK

A. Provide 2" PVC pipe under concrete walks to all planters enclosed by paving for future installation of sprinkler lines.

1.06 WORK SEQUENCE

A. Construct Work in stages according to the approved progress schedule. Coordinate construction schedule and operations with Owner.

1.07 LIST OF DRAWINGS

<table>
<thead>
<tr>
<th>DRAWING INDEX</th>
</tr>
</thead>
<tbody>
<tr>
<td>G1.1 TITLE SHEET</td>
</tr>
<tr>
<td>A0.1 SITE PLAN</td>
</tr>
<tr>
<td>A1.1 SCHEDULES</td>
</tr>
<tr>
<td>A2.1 PARTIAL FLOOR PLAN &amp; INTERIOR ELEVATIONS – CREATIVE ARTS</td>
</tr>
<tr>
<td>A2.2 FOUNDATION PLAN, REFLECTED CEILING PLAN &amp; EXTERIOR ELEVATIONS - CREATIVE ARTS</td>
</tr>
<tr>
<td>A2.2A OVERALL FLOOR PLAN – CREATIVE ARTS</td>
</tr>
<tr>
<td>A2.3 PARTIAL FLOOR PLAN &amp; INTERIOR ELEVATIONS – SWIMMING POOL LOCKER ROOMS</td>
</tr>
<tr>
<td>A2.4 PARTIAL FLOOR PLAN &amp; INTERIOR ELEVATIONS – GYMNASIUM LOBBY</td>
</tr>
<tr>
<td>A2.4A OVERALL FLOOR PLAN – GYMNASIUM</td>
</tr>
<tr>
<td>A2.5 PARTIAL FLOOR PLAN &amp; INTERIOR ELEVATIONS – FORUM BUILDING, FIRST FLOOR</td>
</tr>
<tr>
<td>A2.6 FOUNDATION PLAN, REFLECTED CEILING &amp; EXTERIOR ELEVATIONS – FORUM BUILDING</td>
</tr>
<tr>
<td>A2.7 PARTIAL FLOOR PLAN &amp; INTERIOR ELEVATIONS – FORUM BUILDING, SECOND FLOOR</td>
</tr>
<tr>
<td>A2.7A OVERALL FLOOR PLAN – FORUM, FIRST FLOOR</td>
</tr>
<tr>
<td>A2.7B OVERALL FLOOR PLAN – FORUM, SECOND FLOOR</td>
</tr>
<tr>
<td>A3.1 SECTIONS</td>
</tr>
<tr>
<td>A8.1 DETAILS</td>
</tr>
<tr>
<td>A8.2 DETAILS</td>
</tr>
<tr>
<td>M1.1 MECHANICAL SCHEDULES, NOTES &amp; LEGENDS</td>
</tr>
<tr>
<td>M2.1 MECHANICAL FLOOR PLAN – CREATIVE ARTS</td>
</tr>
<tr>
<td>M2.2 MECHANICAL FLOOR PLAN – GYMNASIUM LOBBY</td>
</tr>
<tr>
<td>M2.3 MECHANICAL FLOOR PLAN – FORUM BUILDING</td>
</tr>
<tr>
<td>P1.1 PLUMBING SCHEDULES, NOTES, &amp; LEGENDS</td>
</tr>
<tr>
<td>P2.1 PLUMBING FLOOR PLAN – CREATIVE ARTS</td>
</tr>
<tr>
<td>P2.2 PLUMBING FLOOR PLAN – LOCKER ROOMS</td>
</tr>
<tr>
<td>P2.3 PLUMBING FLOOR PLAN – GYMNASIUM LOBBY</td>
</tr>
<tr>
<td>P2.4 PLUMBING FLOOR PLAN – FORUM BUILDING, FIRST FLOOR</td>
</tr>
<tr>
<td>P2.5 PLUMBING FLOOR PLAN – FORUM BUILDING, SECOND FLOOR</td>
</tr>
<tr>
<td>DRAWING INDEX</td>
</tr>
<tr>
<td>----------------</td>
</tr>
<tr>
<td>E1.1 DETAILS, SCHEDULES, &amp; SYMBOLS</td>
</tr>
<tr>
<td>E2.1 ELECTRICAL FLOOR PLAN – CREATIVE ARTS</td>
</tr>
<tr>
<td>E2.2 ELECTRICAL FLOOR PLAN – LOCKER ROOMS</td>
</tr>
<tr>
<td>E2.3 ELECTRICAL FLOOR PLAN – GYMNASIUM LOBBY</td>
</tr>
<tr>
<td>E2.4 ELECTRICAL FLOOR PLAN – FORUM BUILDING</td>
</tr>
</tbody>
</table>

END OF SECTION