NOTES

1. Survey information provided by: Balzhiser Hubbard Engineers
   100 West 13th Ave
   Eugene, OR 97401
   P: (541) 686-8478
   F: (541) 345-5303
   Dated: Oct. 28th, 2011

2. Elevations have been simplified. Add 400' to simplified elevations.

3. Verify exact locations and routing of existing underground utilities prior to starting excavation. Repair any damage to existing pipes, utilities or related facilities at Contractor's expense in a manner approved by Owner's Representative.

4. Install new utilities so that rim elevations are flush with finish grades at pavement, lawn and plant beds. Adjust rim elevations of existing utilities accordingly.

5. All accessible components including, but not limited to signs, ramps, tactile warning, markings, etc. shall conform to all Oregon State Standards for parking and access for the disabled. Owner Representative approval prior to installing any related work.

6. Verify existing elevations where new work abuts existing to remain. Notify Owner's Representative of any discrepancies.

7. In addition to improvements shown, repair all areas disturbed or damaged by construction impacts to the condition that existed prior to Construction.

LEGEND

PROJECT LIMIT
Approximate
EXISTING CONTOUR
EXISTING TREE TO REMAIN
PROPOSED CONTOUR
440
SPOT ELEVATION
See Note #1
40.25
VERIFY/MATCH EXISTING ELEVATION
40.25 v/m
TOP OF WALL ELEVATION
TOW 45.00
TOP/BOTTOM OF STAIR ELEVATION
TS 45.00
BS 43.00
TOP/BOTTOM OF CURB ELEVATION
TC 45.00
BC 44.50
TRENCH DRAIN RIM ELEVATION
TD RIM
40.00
AREA DRAIN RIM ELEVATION
AD RIM
40.00
BREAK IN PLANE
Arrow Indicates Direction of Flow

Grading Plan

ISSUE DATE:
PROJECT NO.:
CHECKED BY:
REVISIONS

NOT FOR CONSTRUCTION
PRELIMINARY

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**NOTES**

1. Verify exact locations and routing of existing and proposed underground utilities prior to starting any excavation. Any damage to existing pipes, underground utilities or related facilities to be repaired at contractor's expense in a manner approved by Landscape Architect.

2. Barricade and protect trunks, limbs, roots and root zones beyond dripline of existing trees and plant materials to remain as directed by Landscape Architect. Cut no limbs or roots larger than 1.5” in diameter without approval of Landscape Architect. Notify Landscape Architect prior to performing any excavation within protection areas.

3. Irrigation layout is schematic. It is intended that all irrigation lines will be routed through lawns and plant beds except where noted on drawing. Adjust routing of irrigation lines, heads and sleeves as necessary for any existing or proposed utilities.

4. Locate irrigation zone valve assemblies within plant beds where possible. Any irrigation zone valves diagrammatically located in pavement areas are to be installed in plant beds.

5. Locate irrigation valves, lateral lines, and stake boxes to avoid conflict with tree plantings.

6. Install spray heads 3” from adjacent pavement, walls, curbs, and planting edges; 6” from curbs in parking areas (3” if aligned with striping) unless directed otherwise by Landscape Architect.

7. Adjust radius on spray heads as necessary to minimize overspray while achieving full and even coverage of planted areas.

8. Verify static pressure of XX psi at point of connection. Notify Landscape Architect prior to any construction if pressure is lower than XX psi.

9. Provide all necessary wiring required to make the irrigation system a fully serviceable and operational controlled installation at the completion of the project.
NOTES

1. All survey information provided by:
Balzhiser & Hubbard Engineers
100 West 13th Avenue
Eugene, OR 97401
P: 541.686.8478
F: 541.345.5303
Dated: October 28, 2011

2. Verify exact locations and routing of existing underground utilities prior to starting excavation. Repair any damage to existing pipes, utilities or related facilities at Contractor’s expense in a manner approved by Owner’s Representative.

3. Do not install any plant materials until Landscape Architect has reviewed and approved irrigation system installation. Once coverage begins, soil preparation and finish grading. Remove the shape and finish grade of plant beds as directed by Landscape Architect.

4. Protect all existing trees and plants from damage when excavating, trenching, and installing underground utilities. Protect all existing paving, sidewalks, curb and gutters at the time of excavation and trenching. All cut, added, and removed tree and plant materials to be approved by Landscape Architect. Trees, shrubs, palms, and grasses must be removed from the project area. No tree shall be cut with approved scope.

5. Fines to grade to top of checklist. This item is in addition.

6. Prune all other plant materials as directed by Landscape Architect.

7. Make minor adjustments in lawns to accommodate the irrigation system as installed.

8. Plant quantities shown are for Contractor’s convenience only. Contractor is responsible to provide 100% coverage of entire area of planting times.

9. Triangle spa and shrubs as needed, unless otherwise noted.

10. Trees, shrubs, and ground cover planted too deep will not be accepted. See typical tree planting detail.

11. Quantity and be maintained for bedding. Dimensions are based on an emplacement at 3% need for adjusting within the Plan that repair area. See in place for final requirements.
**NOTES**

1. Use teflon tape on all threaded pipe joints.

2. Backflow prevention device/ master valve and flow sensor.

3. Install Isolation Valve to be easily accessible and operable.

4. Install sprinkler head 3 inches from pavement or curbs.

**SITE DETAILS**

Install sprinkler head flush with finish grade of lawn or top of mulch in plant beds.

**SWING RISER ASSEMBLY**

Roller Type Heads

1. Use teflon tape on all threaded pipe joints.

2. Install Isolation Valve flush with finish grade at lawn or top of mulch in plant beds.

3. Install minimum of 3 bricks @ base of box to provide stability and prevent settlement.

4. Install flush with lawn or top of mulch.

5. ELS (1/2" x 90 deg. (Female x Female x Female pt))

6. PVC ELL (40 Schedule 80 x 40 Schedule 80)

7. PVC NIPPLE (40 Schedule 40 x 40 Schedule 40)

8. PVC NIPPLE (40 Schedule 40 x 40 Schedule 40)

**SWING RISER ASSEMBLY**

Non-Rotor Type Heads

1. Use teflon tape on all threaded pipe joints.

2. Install minimum of 3 bricks @ base of box to provide stability and prevent settlement.

**FLUX COUPLER ASSEMBLY**

1. Use flux tape on all threaded pipe joints.

2. Install Isolation Valve to be easily accessible and operable.

**ZONE VALVE ASSEMBLY**

1. Use teflon tape on all threaded pipe joints.

2. Install Isolation Valve flush with finish grade at lawn or top of mulch in plant beds.

3. Install minimum of 3 bricks @ base of box to provide stability and prevent settlement.

**IROCCION SLEEVES**

1. Use teflon tape on all threaded pipe joints.

2. Install Isolation Valve flush with finish grade at lawn or top of mulch in plant beds.

3. Install minimum of 3 bricks @ base of box to provide stability and prevent settlement.

4. Install flux tape on all threaded pipe joints.

5. Install Isolation Valve flush with finish grade at lawn or top of mulch in plant beds.

6. Install minimum of 3 bricks @ base of box to provide stability and prevent settlement.

7. Use flux tape on all threaded pipe joints.

8. Install Isolation Valve flush with finish grade at lawn or top of mulch in plant beds.

9. Install minimum of 3 bricks @ base of box to provide stability and prevent settlement.

10. Use flux tape on all threaded pipe joints.

11. Install Isolation Valve flush with finish grade at lawn or top of mulch in plant beds.

12. Install minimum of 3 bricks @ base of box to provide stability and prevent settlement.
**Metal Edging and Stone Mulch**

**Notes**
- Metal edging per manufacturer's installation instructions.

**Concrete Column B**
- Enlarged Plan

**Concrete Column Section**
- Column A and B

**Concrete Column B**
- Axonometric Drawing - For Reference Only

**Concrete Column A**
- Enlarged Plan

**Accessible Parking Space**

**Notes**
- Refer to manufacturer's information for installation instructions.

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**University Street Bike Shelter Enlargement**

**Notes**
- Refer to manufacturer's information for installation instructions.

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**Plantbed Grade**

**Notes**
- Refer to manufacturer's information for installation instructions.
CONCRETE STAIRS AND HAND RAIL SECTION

NOTES

1. Provide shop drawings of handrail for approval prior to manufacturing.
4. Provide positive drainage at each stair tread. 1.75% maximum slope.

REMOVABLE BOLLARD

NOTES

1. Removable Bollard: Owner Furnished Contractor Installed
2. Refer to manufacturer’s information for base detail, bolt pattern, and installation instructions.
3. Model: VI-BO-14/30/RB - Lock; Aluminum
4. Finish: Heavy Base Plain Flange, matching finish of handrail, with Stainless Steel Horizontal Grain
5. Provide shop drawings of handrail for approval prior to manufacturing.

CONCRETE STAIRS AND HAND RAIL SECTION

NOTES

1. See Grading Plan for stair riser/tread relationship.
2. Refer to Section 055213
3. Install intermediate posts for support
4. TENON PLATE DETAIL
5. SKATE STOP
6. WALL TRELLIS ELEVATION
7. WALL TRELLIS SECTION
8. FIRE LANE SIGN
9. SITE DETAILS

STORM PLANTER SCUPPER DETAIL

NOTES

At levels and outlet

SKATE STOP

NOTES

Refer to manufacturer’s instructions for appearance and details

CONCRETE FOUNDATION

NOTES

1. #4 Rebar; 12" on center each way.
2. CONCRETE CHEEKWALL
3. CONCRETE WALL LEDGE
4. CONCRETE TURRET WALL
5. CONCRETE WALL MOUNTING

CONCRETE STAIRS AND HAND RAIL SECTION

NOTES

1. 24" DIAMETER EXPANSION JOINT
2. 24" DIAMETER EXPANSION JOINT
3. 24" DIAMETER EXPANSION JOINT
4. 24" DIAMETER EXPANSION JOINT
5. 24" DIAMETER EXPANSION JOINT

FLAT PLATE DETAIL

NOTES

1. 1'-6" SOLID DOUBLE ANCHOR BOLT
2. 1'-6" SOLID DOUBLE ANCHOR BOLT
3. 1'-6" SOLID DOUBLE ANCHOR BOLT
4. 1'-6" SOLID DOUBLE ANCHOR BOLT
5. 1'-6" SOLID DOUBLE ANCHOR BOLT

EREB MEMORIAL UNION - RENOVATION & ADDITION

PACKAGE 4

SITE DETAILS

NOTES

1. CONCRETE WALL LEDGE
2. CONCRETE TURRET PANEL
3. CONCRETE.pretty}
4. CONCRETE WALL
5. LATTICE MOUNTING BRACKETS
6. CONCRETE WALL