Package 2 - Addendum No. 3
March 6, 2015
Mahlum Project No. 2013912
RSA Project No. 1314

Eugene School District 4J
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ADDENDUM NO. 3

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated February 18, 2015 as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

S P E C I F I C A T I O N S

1. SECTION 06 40 00 - ARCHITECTURAL WOODWORK

   A. Clarification: All veneer wall paneling, wood veneer perforated wall paneling and wood veneer perforated ceiling panels are specified in this section. Any keynoting on the drawings referring to Section 06 41 00 for these products should be 06 40 00.

2. SECTION 06 41 00 – ARCHITECTURAL WOOD CASEWORK

   A. Paragraphs 2.04.A.1 and 2: Delete "through color."

3. SECTION 08 44 13 – GLAZED ALUMINUM CURTAIN WALLS

   A. Article 2.04: Add the following new Paragraph M:

      "M. Silicone Flashing: Extruded silicone strips, single side ribbed; widths as indicated on Drawings.
         1. Proglaze ETA Clear by Tremco Commercial Sealants & Waterproofing: www.tremcosealants.com."

4. SECTION 09 21 16 – GYPSUM BOARD SYSTEMS

   A. Article 2.4: Add the following new Paragraph N.

      "N. "W" Reveal Molding: Extruded aluminum.
         1. WReveal by Fry Reglet Corporation: www.fryreglet.com.
         2. Substitutions: Section 01 60 00 - Product Requirements."

5. SECTION 09 51 00 – ACOUSTICAL CEILINGS

   A. Paragraph 2.01.B.7: Change to "Square."

   B. Paragraph 2.01.B.11.a: Change to Ultima Lay-In Square Lay-In."

6. SECTION 10 51 00 - LOCKERS

   A. Replace Section with attached new Section 10 51 00. Clarification: Hallway lockers have been changed to Heavy Duty Knock-Down type.

7. SECTION 10 22 26.33 – SLIDING PANEL PARTITIONS

   A. Article 1.01: Change Paragraph A to read: "A. Sliding panel partitions." Clarification: The specified system is single sliding panels.

8. SECTION 11 40 00 – FOOD SERVICE EQUIPMENT

   A. Article 4.1, Item 54 – Deli Counter: Add "Remote Compressor on Base of Unit."
   B. Article 4.1, Item 60 – Salad Bar: Revise to read: "Model BLC-4-RM-BU". Add "Remote Compressor on Base of Unit."
   C. Article 4.1, Item 61 – Sneeze Guard: Revise to read: "Model CDG-4M."

9. SECTION 11 61 33 – RIGGING SYSTEMS

   A. Add new Section 11 61 33 attached. Clarification: Pipe grid rigging and light bars have been added at Drama/Platform. Installed grid to be field painted flat black.

10. SECTION 11 61 43 – STAGE CURTAINS

    A. Replace Section with attached new Section 11 61 43. Clarification: Changes made to curtain materials and tracks.

11. SECTION 11 66 23 – GYMNASIUM EQUIPMENT

    A. Paragraph 2.02.C: Change Wall-Mounted to Post-Mount. Clarification: Post to be set in concrete.

    B. Paragraph 2.02.C.1: Change to read: "Distance of Backboard from Post: 48 inches or as indicated on Drawings."

    C. Paragraph 2.02.E: Change to read: "Backboards: Fiberglass, rectangular-shaped at interior, fan-shaped at exterior:"

12. SECTION 31 20 00 – EARTH MOVING

    A. Paragraph 3.5.B.1.a: Change to read: "In areas of conventional slab or footing: Excavate the underlying plastic clay to a depth of 5 feet, to be confirmed by Geotechnical Engineer during construction. The limits of the excavation should extend at least 5 feet beyond the outside edge of any foundation or slab." Clarification: The only area of conventional slab and footing is at the Service Court; Paragraph 3.5 B.1.b. applies to the extent of the building footprint and depth is measured from finish floor elevation.

13. SECTION 32 12 16 – ASPHALT PAVING

    A. Paragraph 2.3.C.1: Change color to White.

    B. Paragraph 2.3.C.2: Change color to White.

C. Delete Paragraph E and F. Add new Paragraph F as follows:

"F. Flexible Bollards: Surface mount delineators. Color to be white with reflecting sheeting.
1. Dura-Post High Impact Delineators by Safe-Hit.
2. Boomerang Reboundable Surface Mount Delineators by Three D Traffic Works."

PACKAGE 1 - DRAWING SHEETS

14. SHEET C-201 – UTILITY PLAN

A. Replace Sheet with attached new Sheet C-201. Clarification: Modifications to utilities.

15. SHEET C-202 – UTILITY PLAN

A. Replace Sheet with attached new Sheet C-202. Clarification: Modification to utilities.

16. SHEET C-203 – UTILITY PLAN

A. Replace Sheet with attached new Sheet C-203. Clarification: Modification to utilities.

17. SHEET L-100.1 – DEMOLITION PLAN

A. Replace Sheet with attached new Sheet L-100.1. Clarification: Removed four existing trees at island south of existing RMS school for utility work improvements. See Electrical and Civil Sheets.

18. SHEET L-100.2 – TREE PROTECTION AND REMOVAL PLAN

A. Replace Sheet with attached new Sheet L-100.2. Clarification: Removed four existing trees, (#49-#52) at island south of existing RMS school for utility work improvements. See Electrical and Civil Sheets. Added removal of existing trees, #49-#52, to tree protection and removal schedule.

19. SHEET L-101.0 – OVERALL SITE PLAN

A. Replace Sheet with attached new Sheet L-101.0. Clarification: Adjusted location of area drain and concrete header at northeast grassy swale. Removed concrete header along northeast building edge. Added electrical pull vault locations and note to plans. Added wall light symbol to drawing and legend. Added bike/skate stop symbol to drawing at entry masonry ramp wall. Changed concrete walls shown to masonry walls at ramp and school sign wall east of stairs. Refer to Architectural Details, Sheet A522. Removed four existing trees, (#49-#52) at island south of existing RMS school for utility work improvements. See Electrical and Civil Sheets. Adjusted perpendicular sidewalk ramp at parking lot.

20. SHEET L-101.1 – WEST SITE PLAN

A. Replace Sheet with attached new Sheet L-101.1. Clarification: Adjusted location of area drain and concrete header at northeast grassy swale. Removed concrete header along northeast building edge. Added Fire suppression vault note east of bus drop off to plans per Civil sheets. Added wall light symbol to drawing and legend. Added bike/skate stop symbol to drawing at entry ramp wall and legend. Removed wheel stop detail reference from sheet legend. Changed concrete walls shown to masonry walls at ramp and school sign wall east of stairs. Refer to Architectural Details, Sheet A522. Added masonry wall label and detail flag. Changed "ramp" label to 'Sloped Sidewalk, 4.6%," at north entry area. Adjusted and label perpendicular sidewalk ramp at parking lot. Added 'Accessible Route' labels and arrows along west side of parking lot and sports field.

21. SHEET L-101.2 – CENTRAL SITE PLAN

    A. Replace Sheet with attached new Sheet L-101.2. Clarification: Added wall light symbol to drawing and legend. Removed wheel stop detail reference from sheet legend.

22. SHEET L-102.1 – WEST LAYOUT PLAN

    A. Replace Sheet with attached new Sheet L-102.1. Clarification: Changed northing and easting point of AD Rim at northeast grassy swale. Added northing and easting points at grassy swale concrete header. Adjusted wall light points #44-#50, See Light Schedule. Deleted wall light points #51-#57, See Light Schedule. Updated dimensions at perpendicular sidewalk ramp at the parking lot.

23. SHEET L-102.2 – CENTRAL LAYOUT PLAN

    A. Replace Sheet with attached new Sheet L-102.2. Clarification: Adjusted wall light points #44-#50, See Light Schedule. Deleted wall light points #51-#57, See Light Schedule.

24. SHEET L-103.1 – WEST GRADING PLAN

    A. Replace Sheet with attached new Sheet L-103.1. Clarification: Changed elevation of AD Rim at northeast grassy swale. Added elevations at fire suppression vault location.

25. SHEET L-104.0 – MAINLINE & IRRIGATION NOTES

    A. Replace Sheet with attached new Sheet L-104.0. Clarification: Relocated backflow prevention device, master valve and flow sensor per Civil sheets. Changed zone calculations for valves #51 and #57.

26. SHEET L-104.1 – WEST IRRIGATION PLAN

    A. Replace Sheet with attached new Sheet L-104.1. Clarification: Relocated backflow prevention device, master valve and flow sensor per Civil sheets. Adjusted irrigation heads to accommodate for expanded plant bed and reduced grassy swale at northeast corner.

27. SHEET L-104.2 – CENTRAL IRRIGATION PLAN

    A. Replace Sheet with attached new Sheet L-104.2. Clarification: Deleted (2) two irrigation tree bubblers at plant bed north of parking lot. Adjusted (4) four irrigation tree bubblers at plant bed north of parking lot.

28. SHEET L-105.0 – GENERAL NOTES & PLANT LIST

    A. Replace Sheet with attached new Sheet L-105.0. Clarification: Added Stewartia pseudocamellia, Japanese Stewartia tree species. Deleted Picea glauca conica ‘MonRon’ Tiny Tower, Tiney Tower Alberta Spruce, site shrub.

29. SHEET L-105.1 – WEST LANDSCAPE PLAN

    A. Replace Sheet with attached new Sheet L-105.1. Clarification: Relocated backflow prevention device, master valve and flow sensor per Civil sheets. Adjusted planting to accommodate for expanded plant bed and reduced grassy swale at northeast corner. Adjusted planting east of bus drop off area.

30. SHEET L-106.2 – SITE DETAILS

    A. Replace Sheet with attached new Sheet L-106.2. Clarification: Updated Detail #1. Updated Detail #2. Updated Detail #6. Added Detail #7 – Masonry Wall.

31. SHEET L-106.3 – SITE DETAILS

    A. Replace Sheet with attached new Sheet L-106.3. Clarification: Added Detail #12 – Perpendicular Sidewalk Ramp.

A P P R O V A L S

The following are approved based on information submitted to the Architect. Approval does not alter requirements of the Contract Documents. Contractor shall coordinate installation of approved products which the Contractor elects to use, making such changes as may be required for the Work to be complete in all respects.

SECTION	ITEM	MANUFACTURERS/PRODUCT
03 35 20	Polished Concrete Finish	Consolideck by PROSOCO, Inc
	Approved Installers	Valley Flooring, Inc
04 20 01	Cavity Mortar Diverter	Mortar Trap by Hohmann & Barnard Inc
07 13 00	Composite Laminate Membrane	Blueskin WP200 by Henry
07 21 00	Composite Insulation Polyisocyanurate Insulation	Atlas ACFoam Nail Base Atlas ACFoam Insulation
07 41 13	Metal Roof Panels	SpanLok hp by AEP Span AMS Armor Lock by Architectural Metal Solutions
08 14 16	Wood Doors	VT Industries
08 43 13	Aluminum Storefront System Operable Sash	Model 403 by EFCO Model 325X by EFCO
08 44 13	Curtain Wall System	Model 5600 by EFCO
08 91 00	Wall Louvers	Greenheck
09 83 11	Non-Tackable Acoustical Panels	Sound Concepts Lamvin, Inc
	Tackable Acoustical Panels	Sound Concepts Lamvin, Inc
09 84 00	Ceiling Diffusers	Interact Pyramid Diffuser by Sound Concepts

10 51 00	Metal Lockers, Hallway	Art Metal Products Republic Storage Systems Lyon, LLC
	Metal Lockers, Locker Room	Art Metal Products Republic Storage Systems Lyon, LLC
11 40 00	Item 6 – Walk-In Freezer Item 8 – Walk-In Cooler	Imperial Imperial
23 05 93	Testing and Balancing	Precision Test & Balancing, Inc

END OF ADDENDUM NO. 3

LOCKERS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Metal lockers; knocked down type.

B. Hallway wardrobe locker units with hinged doors.

C. Locker room units with hinged doors.

D. Metal tops and filler panels.

E. Locker benches.

1.02 RELATED REQUIREMENTS

A. Section 03 30 00 - Cast-in-Place Concrete: Concrete base construction.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Manufacturer's published data on locker construction, sizes and accessories.

C. Shop Drawings: Indicate locker plan layout, numbering plan and combination lock code.

D. Samples: Submit two samples 3 x 6 inches in size, of each color scheduled.

E. Manufacturer's Installation Instructions: Indicate component installation assembly.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Protect locker finish and adjacent surfaces from damage.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Metal Lockers:
1. List Industries Inc: www.listindustries.com.
2. Penco Products, Inc: www.pencoproducts.com.
3. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 METAL LOCKERS

A. Lockers: Knocked-down type, made of formed sheet steel, stretcher leveled; metal edges finished smooth without burrs; baked enamel finished inside and out.
1. Color: As noted below.

B. Locker Body: Formed and flanged; with steel stiffener ribs.
1. Body and Shelves: 24 gage, 0.0239 inch.

C. Frames: Formed channel shape, welded and ground flush, welded to body, resilient gaskets and latching for quiet operation.
1. Door Frame: 16 gage, 0.0598 inch, minimum.

D. Doors (Hallway Lockers): Hollow channel edge construction, 1-3/16 inch thick; welded construction, channel reinforced top and bottom with intermediate stiffener ribs, grind and finish edges smooth.
1. Door Outer Face: 14 gage, 0.0747 inch, minimum.
2. Form recess for operating handle and locking device.
3. Provide louvers in door face, top and bottom, for ventilation.

Deleted: 1.03 REFERENCE STANDARDS¶
A. . ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2013.¶

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E. Doors (Locker Room): Hollow channel edge construction, 1-3/16 inch thick; channel reinforced top and bottom with intermediate stiffener ribs, grind and finish edges smooth.
   1. Door Outer Face: 14 gage, 0.0747 inch.
   2. Provision for operating handle and locking device.
   3. Expanded metal face, diamond perforations for ventilation.

F. Hinges: Two for doors under 42 inches high; three for doors over 42 inches high; weld securely to locker body and door.
   1. Hinge Thickness: 14 gage, 0.0747 inch.

G. Sloped Top: 16 gage, 0.0598 inch, with closed ends and corners.

H. Trim16 gage, 0.0598 inch.

I. Coat Hooks: Stainless steel or zinc-plated steel.

J. Number Plates: Provide oval shaped brass plates. Form numbers 1 inch high of block font style with ADA designation, in contrasting color.

K. Locks (Hallway Lockers): Integral combination locks; resettable; master key access control.

L. Locks (Locker Rooms): User furnished pad locks.

M. Keyless Lock (ADA units): Electronic push button access control; ADA compliant.
   1. Model DK-ATS with integral pull by Digilock.
   2. Substitutions: See Section 01 60 00 - Product Requirements.

2.03 HALLWAY WARDROBE LOCKER UNITS

A. Basis of Design: Heavy-Duty Corridor KD Lockers by List Industries.

B. Size:
   1. Width: 15 inches.
   2. Depth: 15 inches.
   3. Height: 72 inches.

C. Configuration: double tier.

D. Mounting: Surface mounted and surface mounted.

E. Base: Metal base.
   1. Base Height: 4 inch; continuous.

F. Top: Sloped.

G. Locking: Equipped for built-in combination locks.

H. Ventilation Method: Louvered top and bottom frame and top and bottom of door.

I. Class: Quiet.

J. Accessories: Two single prong wall hooks, hat shelf.

K. ADA Accessible Lockers: 5 percent of total number of lockers indicated on Drawings; locate where directed by Owner.

L. Colors: To match List Industries colors as noted below.
   1. Base: 717 Grand Slam.
   2. Doors:
      a. Color 1: 717 Grand Slam.
      b. Color 2: 722 Tidal Wave.
      c. Color 3: 733 Frolic.

2.04 LOCKER ROOM LOCKER UNITS

A. Basis of Design: Heavy-Duty Vented KD Locker by List Industries.

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B. Size:
   1. Width: 12 inches.
   2. Depth: 15 inches.
   3. Height: 72 inches.

C. Configuration: Two tier.

D. Mounting: Surface mounted and surface mounted.

E. Base: Fabricate for concrete base.
   1. Base Height: 4 inch.

F. Top: Sloped.

G. Locking: Equipped for padlock hasps.

H. Ventilation Method: Perforated face.

I. Class: Conventional.

J. Accessories: None.

K. ADA Accessible Lockers: 5 percent of total number of lockers indicated on Drawings; locate where directed by Owner.

L. Color: To match List Industries colors as note below.
   1. Frame and Doors: 721 Relay Red.

2.05 LOCKER BENCHES

A. Locker Room Benches:

1. Bench: Laminated hardwood, 9-1/2 inch wide x 1-1/4 inch thick; factory sealed and finished clear.

   a. Lengths: As indicated on Drawings.

2. Pedestals: 6 inch diameter cast iron with mounting flanges.

   a. Provide 2 pedestals for benches up to 8 feet.

   b. Provide 3 pedestals for benches over 8 feet.

2.06 **FABRICATION**

A. Locker Body: Formed and flanged; with steel stiffener ribs; electric spot welded.

B. Frames: Formed channel shape, welded and ground flush, welded to body, resilient gaskets and latching for quiet operation.

C. Doors: Hollow channel edge construction, 1-3/16 inch thick; welded construction, channel reinforced top and bottom with intermediate stiffener ribs, grind and finish edges smooth.

D. Hinges: Two for doors under 42 inches high; three for doors over 42 inches high; weld securely to locker body and door.

E. Locking device supplied by Owner; except at noted otherwise.

F. Number Plates: Provide rectangular shaped brass plates. Form numbers 1/2 to 3/4 inch high of block font style with ADA designation, in contrasting color.

G. Provide ventilation openings at top and bottom of each locker.

H. Form recess for operating handle and locking device.

I. Finish edges smooth without burrs.

J. Fabricate sloped metal tops, ends and closure pieces.

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K. Provide end panels and filler strips. Center lockers in locker bays; provide equal width closures at each end of locker runs.

2.07 FINISHING

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A. Clean, degrease, and neutralize metal; prime and finish with one coat of baked enamel.

B. Paint locker bodies and doors in contrasting colors.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that prepared bases are in correct position and configuration.

B. Verify bases and embedded anchors are properly sized.

3.02 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Install lockers plumb and square.

C. Place and secure on prepared base.

D. Secure lockers with anchor devices to suit substrate materials. Minimum Pullout Force: 100 lb.

E. Bolt or rivet adjoining locker units together to provide rigid installation.

F. Install end panels, filler panels, and sloped tops.

G. Install accessories.

H. Replace components that do not operate smoothly.

I. Provide continuous metal base at lockers as indicated on Drawings.

3.03 CLEANING

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A. Clean locker interiors and exterior surfaces.

END OF SECTION

RIGGING SYSTEMS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Stage pipe grid rigging system, fixed.

B. Light bars.

C. Mounting accessories.

1.02 RELATED SECTIONS:

A. Section 05 12 00 - Structural Steel: Steel supports.

B. Section 09 21 16 - Gypsum Board Assemblies: Framing and furring.

C. Section 09 90 00 - Painting and Coating: Field finishes.

D. Section 11 61 43 - Stage Curtains.

1.03 REFERENCES

A. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2012.

B. ASTM A53/A53M - Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless; 2012.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Manufacturer's literature, catalog cuts, and other data to demonstrate compliance with the specified requirements.

C. Shop Drawings: Shop drawings and installation drawings indicating grid layout, support, connections and seismic bracing.

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.

B. Installer's Qualifications: Company specializing in the products specified in this section with minimum three years documented experience.

1.06 PROJECT CONDITIONS

A. Coordinate the work with installation of structural supports and framing.

B. Verify conditions at site affecting work to ensure the best and most complete installation per industry standards.

PART 2 PRODUCTS

2.01 GRID

A. Pipe and Light Bars: ASTM A153, 1-1/2 inch diameter Schedule 40 black iron pipe; provide internal sleeve splicing where required.

B. Cross Connect Clamps: Formed steel with U-bolts.

C. Ledger: ASTM A36/A36M; 2 x 6 inch steel angle.

D. Isolation Pads: 60 durometer waffle pads.

E. Grid Hangers: Provide quantity, type and extent as indicated on Drawings.

F. Products:
   1. Studio Pip Grid by Stage Craft Industries: www.stagecraft.com
   2.
   3. Substitutions: See Section 01 60 00 - Product Requirements.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that support are set and ready to receive the work.

B. Determine that conditions are acceptable to receive the work of this section. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to the installer. Starting of the work will be construed as acceptance of conditions.

3.02 INSTALLATION

A. Install rigging system in accordance with manufacturer's instructions.

B. Install grid system level and plumb to stage floor at height indicated on Drawings.

C. Provide mounting brackets, suspension rods, diagonal braces and other devices recommended by manufacturer for suspension system.

D. Coordinate with other work above ceiling

E. Install wall ledger at perimeter wall.

F. Install grid at 48 x 48 inch spacing or as indicated on Drawings; clamp and secure intersection joints; secure grid to wall ledger; provide intermediate hangers supported to roof structure.

G. Locate light bars as indicated on Drawings.

H. Provide intermediate hangers supported to roof structure; minimum 96 inches on center each direction.

I. Provide isolation pads at each connection point to prevent vibration transmission between building structure and rigging grid.

END OF SECTION

STAGE CURTAINS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Stage curtains.

B. Curtain track assemblies.

C. Mounting accessories.

1.02 RELATED SECTIONS:

A. Section 05 12 00 - Structural Steel: Steel supports.

B. Section 09 21 16 - Gypsum Board Assemblies: Framing and furring.

C. Section 09 90 00 - Painting and Coating: Field finishes.

1.03 REFERENCES

A. ASTM A 153 - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware

B. ASTM A 526 - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Commercial Quality.

C. ASTM B 221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.

D. NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Manufacturer's literature, catalog cuts, and other data to demonstrate compliance with the specified requirements.

C. Certification: Curtain Fabric, certification of compliance with flame resistance requirements

D. Shop Drawings: Shop drawing and details sufficient to enable adequate provision in the work of adjacent trades to interface with the work of this section.

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.

B. Installer's Qualifications: Company specializing in the products specified in this section with minimum five years documented experience.

C. Curtain Flame Spread Resistance: Certified to comply with California Flame Resistance Regulation No. A-358-NFPA 701 small scale approved after 10 solvent dry cleanings. Permanently label curtains as one of the following:
   1. Permanently and inherently flame resistant
   2. Requires flame resistant treatment after dry cleaning.

1.06 PROJECT CONDITIONS

A. Coordinate the work with installation of structural supports and framing.

B. Take field measurement to determine sizes required.

C. Verify conditions at site affecting work to ensure the best and most complete installation per industry standards.

D. Do not start installation curtains until after wall and ceiling finishes are complete.

PART 2 PRODUCTS

2.01 STAGE CURTAINS

A. Front Curtain Fabric:
1. Material: Woven cotton velour, napped fabric of 100% cotton, 54 inch width minimum; not less than 43 backing ends per inch, 21.6 pile ends per inch, and 30 picks per inch; 660 pile tufts per square inch; fire-retardant treated; other characteristics as follows:
2. Fabric Weight: Fabric weighing not less than 23 ounces per linear yard before flame proofing, with pile height of approximately 125 mils.
3. Curtains to be Lined with Black Denim cloth of l00% cotton, 54" minimum width for viewing from both sides.
4. Color: To match K&M 1053 Corn Flower Blue.
5. Manufacturers:
   a. DeBall by Stagecraft Industries, Inc.
   b. Memorable by K&M Fabrics, Inc.
   c. Wilson by Melfabco, Inc.
   d. Substitutions: See Section 01 60 00 - Product Requirements.

B. Cyclorama Curtain Fabric:
1. Material: Double-faced; 100% cotton short-napped; fire-retardant treated; minimum 50% sewn-in fullness.
2. Fabric Weight: 12 oz/yd.
3. Color: Black.
4. Products:
   a. Black 12oz SuperSet by Stagecraft Industries.
   b. S & K Theatrical Draperies: www.sktheatricaldraperies.com.
   c. Substitutions: See Section 01 60 00 - Product Requirements.

C. Valance Curtains: Fabric 12 oz/yd SuperSet, denim lined.

D. Masking Curtains: Fabric, 12 oz/yd SuperSet, denim lined.

2.02 TRACKS

A. Front Curtain Track System:
1. Track: Aluminum; fabricate of not less than 11 gauge extruded aluminum, with track in one continuous piece. Provide curtain carriers of molded nylon or aluminum bodies with nylon ball-bearings wheels. Provide end stops for track.
2. Products:
   a. Atlas Silk Model 201 by H & H Specialties, Inc: www.hhspecialties.com.
   b. Substitutions: See Section 01 60 00 - Product Requirements.

B. Cyclorama Curtain Track System:
1. Track: Aluminum; fabricate of not less than 11 gauge extruded aluminum, curve sections as indicated on Drawings. Provide curtain carriers of molded nylon or aluminum bodies with nylon ball-bearings wheels. Provide end stops for track.
2. Product:
   a. Atlas Silk Series 316 by H & H Specialties, Inc: www.hhspecialties.com.
   b. Substitutions: See Section 01 60 00 - Product Requirements.

2.03 FABRICATION - CURTAINS

A. General: Provide not less than 50% additional fullness for curtains, unless otherwise indicated. Horizontal seams and fabric less than half-width are not permitted. Curtain to be double sided.

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B. Vertical Hems: Provide vertical hems not less than 3 inches wide, double-stitched and machine-sewn with no salvage material visible from front of curtain.

C. Turnbacks: Provide turnbacks, formed by folding 24 inches of face fabric back at each end of panels and securing by sewing across top hem grommeting through both layers of fabric. Do not new turnbacks vertically.

D. Top Hems: Reinforce top hems by double-stitching 3-1/2 inches wide heavy jute webbing to top edge with minimum 1inch of face fabric turned under.

E. Pleats: Provide fullness in curtains by sewing 6 inches of additional material into box pleats spaced at 12 inches centers along top hem reinforcing. Provide not less than #2 brass grommets spaced at 12 inches and centered on box pleats, for tie lines or "S" hooks.

F. Bottom Hems: Except for curtains which hang to floor, provide bottom hems not less than 6 inches deep. For floor-length curtains, provide 6 inches hems with separate cadmium-plated jack chain. Stitch chain pocket so chain rides 2 inches above bottom edge of curtain.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that support are set and openings are ready to receive the work.

B. Determine that conditions are acceptable to receive the work of this section. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to the installer. Starting of the work will be construed as acceptance of conditions.

3.02 INSTALLATION

A. Install stage curtains and tracks in accordance with manufacturer's instructions.

B. Provide track mounting brackets, suspension rods, diagonal braces and other devices recommended by manufacturer for suspension system.

C. Coordinate with other work above ceiling

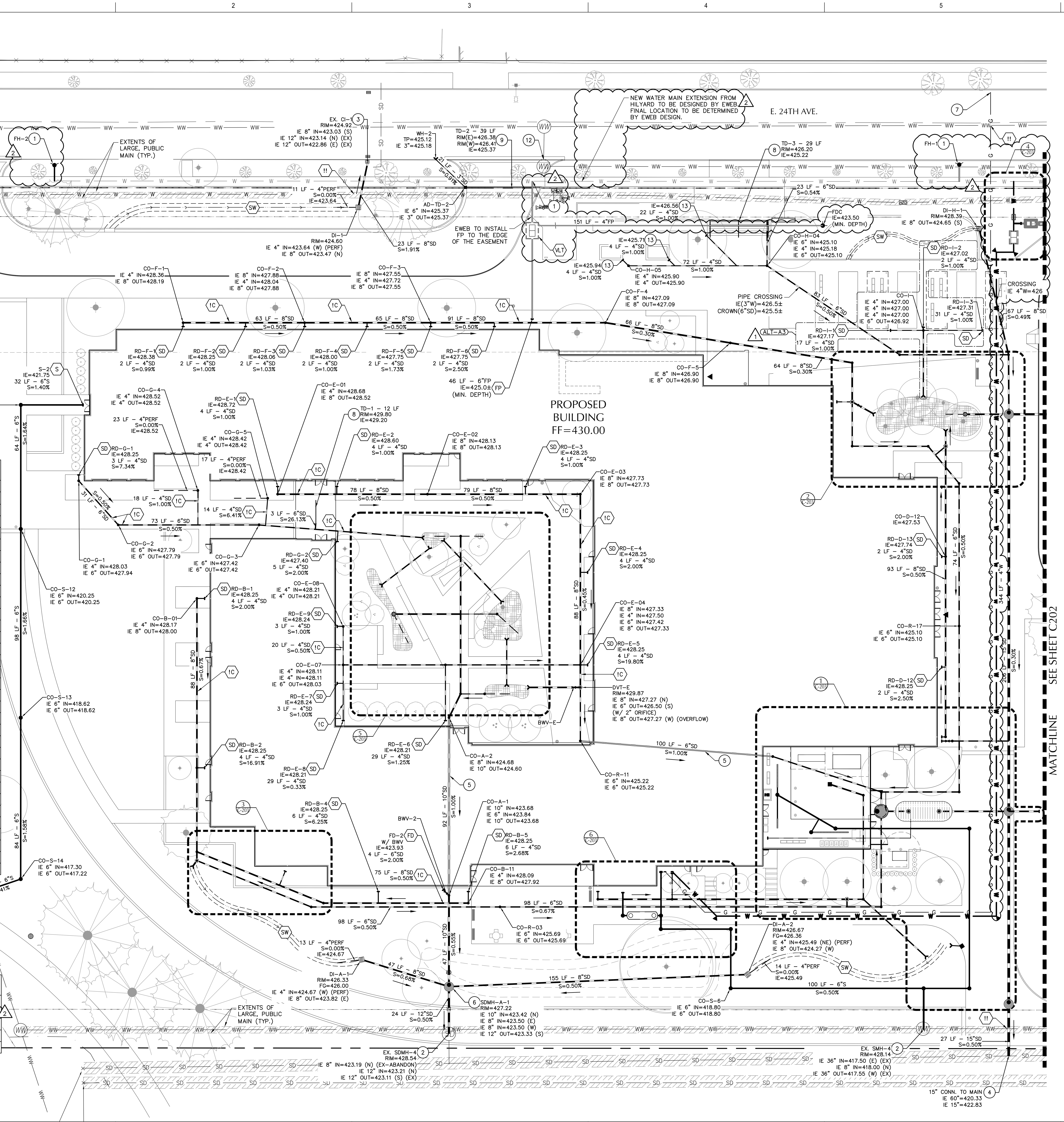
D. Install protective cover on track after installation and before adjacent ceilings are installed.

E. Curtains: Install curtains to track carriers with heavy-duty “S” hooks or snap hooks.

3.03 CLEANING

A. Clean materials just prior to occupancy.

END OF SECTION



STRUCTURE TABLE

STRUCTURE ID	NORTHING	EASTING
3" WM	5631.31	4296.47
AD-TD-2	5646.67	4012.25
BWV-2	5281.28	4002.12
CO-A-1	5279.73	4003.75
CO-B-01	5433.66	3873.11
CO-B-11	5275.77	4013.75
CO-D-12	5455.35	4261.20
CO-E-01	5487.69	3914.94
CO-E-07	5399.23	3948.91
CO-E-08	5419.15	3948.91
CO-F-1	5576.57	3865.94
CO-F-2	5576.57	3928.93
CO-F-3	5576.57	3994.28
CO-F-4	5576.57	4084.90
CO-F-5	5566.10	4149.62
CO-G-1	5494.63	3811.84
CO-G-2	5471.78	3832.31
CO-G-3	5471.76	3905.31
CO-G-4	5489.61	3873.60
CO-G-5	5485.60	3909.77
CO-H-04	5606.07	4168.66
CO-H-05	5606.09	4096.81
CO-R-03	5273.79	4030.21
CO-R-17	5419.35	4268.22
CO-S-5	5262.30	4149.83
CO-S-6	5231.62	4149.82
CO-S-11	5533.97	3781.81
CO-S-12	5469.67	3781.79
CO-S-13	5371.85	3781.76
CO-S-14	5288.22	3781.74
DI-1	5636.34	3956.74
DI-A-2	5238.77	4158.50
DI-H-1	5625.31	4278.53

STRUCTURE TABLE

STRUCTURE ID	NORTHING	EASTING
FDC	5626.87	4197.52
SDMH-A-1	5232.49	4003.74
VLT	5624.30	4046.92
WH-2	5661.17	3996.93

SHEET NOTES

1. PIPE BEDDING AND BACKFILL FOR ALL UTILITIES SHALL BE DONE PER DETAIL 1/C-301. AT ALL BUILDING CONNECTIONS, INSTALL CLAY LENS PER DETAIL 1/C-301.
2. STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE UNLESS NOTED OTHERWISE.
3. INSTALL THRUST BLOCK ON FIRE AND WATER LINES PER DETAIL 1/C-302.

(X) KEY NOTES

1. COORDINATE WATER SERVICE POINTS OF CONNECTION WITH EWEB. EWEB TO PERFORM THE FOLLOWING WORK: TAP WATER MAIN FOR ON-SITE SERVICES, INSTALL DOMESTIC FROM MAIN TO AND INCLUDING WATER METER, INSTALL FIRE PROTECTION TO EDGE OF EASEMENT, AND INSTALL PUBLIC FIRE HYDRANTS. CONTRACTOR TO COORDINATE AN SCHEDULE WORK. (2)
2. CONNECT TO EXISTING MANHOLE.
3. CONNECT TO EXISTING CATCH BASIN.
4. CONNECT TO EXISTING 60-INCH PUBLIC STORM MAIN. COORDINATE SCHEDULE AND METHOD OF CONNECTION WITH CITY OF EUGENE. LATERAL SIZE AND APPROXIMATE IE AS NOTED.
5. SEE PLUMBING PLANS FOR CONSTRUCTION OF STORM DRAINS WITHIN BUILDING FOOTPRINT.
6. INSTALL TERMINAL BACKWATER VALVE ON ALL "IN" PIPES. (14/C-301)
7. COORDINATE WITH NW NATURAL TO CONNECT TO 2" GAS MAIN IN 24th AVE. GAS PIPING, VALVES, FITTINGS, AND METER SHOWN FOR REFERENCE ONLY. CONTRACTOR TO COORDINATE FINAL DESIGN AND LOCATION WITH NW NATURAL.
8. DECORATIVE TRENCH GRATE. USE JAMISON GRATE AS PRODUCED BY URBAN ACCESSORIES TO FIT SELECTED TRENCH DRAIN.
9. STANDARD TRENCH DRAIN. USE ADA COMPLIANT LOCKABLE HEAVY DUTY TRENCH GRATE – CLASS C.
10. RAIN GARDEN TO INCLUDE COMPACTED CLAY LENS. (12/C-301)
11. PROVIDE CONNECTION TO FIELD SUBDRAINAGE. SEE LANDSCAPE PLANS. (ALT-A2)
12. ADJUST EXISTING STRUCTURE TO GRADE.
13. CONNECT TO CONCRETE WALL FOOTING DRAIN. SEE LANDSCAPE PLANS.
14. CLEAN OUT EXISTING AREA DRAIN TO ENSURE DRAINAGE.
15. CONNECT TO EXIST. 36-INCH PUBLIC SANITARY MAIN. IE AS NOTED.

UTILITY LABEL LEGEND

STRUCTURE LABEL

XX XX-XX
RIM=
IE IN = XX.X
IE OUT = XX.X

- UTILITY TYPE (SD=STORM DRAINAGE, S=SANITARY SEWER, W=WATER, FP=FIRE PROTECTION)
- STRUCTURE TYPE CALLOUT
- ID NUMBER (WHERE APPLICABLE)
- STRUCTURE INFO (WHERE APPLICABLE)

PIPE LABEL

XXLF – XX" XX
S=X.XX%

- UTILITY LENGTH
- UTILITY SIZE
- UTILITY TYPE
- SLOPE (WHERE APPLICABLE)

STRUCTURE TYPE

CALLOUT	DESCRIPTION	DETAIL REF.
BEND	BEND, ANGLE AS NOTED	
BWV	BACKWATER VALVE	3/C-301
CB	TRAPPED CATCH BASIN	2/C-301
CO	CLEANOUT TO GRADE	5/C-301
CU	CULVERT INLET/OUTLET	4/C-301
CONN	CONNECTION	
DI	DITCH INLET	10/C-301
DVT	STORM DIVERTER	3/C-303
FD	FOUNDATION DRAINAGE CONN.	
FDC	FIRE DEPARTMENT CONNECTION	4/C-302
FH	FIRE HYDRANT	5/C-302
GI	GREASE INTERCEPTOR	8/C-302
GV	GATE VALVE	
LF	LINEAL FEET	
OF	OUTFALL	8/C-301
OV	OVERFLOW INLET	11/C-301
SMH	48" DIA. SANITARY MH	
SDMH	48" DIA. STORM DRAIN MH	15/C-301
S-TRAP	SANITARY TRAP	9/C-301
TB	THRUST BLOCK	1/C-302
TD	TRENCH DRAIN	6/C-301
TD-AD	TRENCH DRAIN AREA DRAIN	6/C-301
WH	WEEP HOLE AT CURB	7/C-302
WM	WATER METER	
WQMH	WATER QUALITY MANHOLE	4/C-303

SHEET LEGEND

Symbol	Description	Detail
RG	RAIN GARDEN	12/C-301
SW	GRASSY SWALE	13/C-301
S	CONNECT TO WASTE LINE. SEE PLUMBING PLANS FOR CONTINUATION. SIZE AS NOTED.	
SD	CONNECT TO STORM DRAIN/ROOF DRAIN. SEE ARCHITECTURAL PLANS FOR CONTINUATION. SIZE AND IE AS NOTED.	9/C-302
W	CONNECT TO COLD WATER SYSTEM. SEE PLUMBING PLANS FOR CONTINUATION. SIZE AS NOTED.	
FP	CONNECT TO FIRE PROTECTION SYSTEM. SIZE AS NOTED. SEE PLUMBING PLANS FOR CONTINUATION.	
G	CONNECT TO GAS METER. CONTRACTOR TO COORDINATE WITH GAS COMPANY. SEE PLUMBING FOR CONTINUATION.	
IR	IRRIGATION POINT OF CONNECTION. SEE IRRIGATION PLANS FOR CONTINUATION.	
VLT	6" DOUBLE DETECTOR CHECK FIRE BACKFLOW AND VAULT	2/C-302
RP	3" REDUCED PRESSURE DEVICE ABOVE-GROUND ENCLOSURE	3/C-302
FD	PERIMETER FOUNDATION DRAIN. INSTALL AROUND ENTIRE BUILDING PERIMETER. PROTECT WITH BACKWATER VALVE & CONNECT TO STORM SYSTEM. IE AS NOTED.	6/C-302
RWH	RAINWATER HARVESTING CISTERN AND ASSOCIATED FITTINGS.	1/C-303
TRP	P-TRAP TO BE AUTO-PRIMED AND VENTED. P-TRAP AND DRAIN MUST BE INSTALLED BY A LICENSED PLUMBING CONTRACTOR. SEE PLUMBING PLANS FOR AUTO-PRIME CONNECTION AND VENT.	9/C-301
!!	UTILITY CROSSING. POTHOLE EXISTING UTILITY PRIOR TO CONSTRUCTION AND REPORT ELEVATION, SIZE, AND HORIZONTAL LOCATION TO KPFF. PROVIDE 12" MIN. CLEARANCE, U.N.O.	
!C	PIPE COVER < 2'. USE HDPE ASTM F-714 OR AWWA C906(DR 21), PVC AWWA C900/C905, OR DI (DR 21).	

SCALE 1 INCH = 20 FEET (20 0 20 40)

Robertson | Sherwood | Architects pc — mahlum

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kpff
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F: 541.684.4909
www.kpff.com

REGISTERED PROFESSIONAL ENGINEER 56481 — Digital Signature — OREGON — JUL. 19, 2002 — MATTHEW M. KEENAN
EXPIRATION DATE: 6/30/15

EUGENE SCHOOL DISTRICT 4J

REPLACEMENT ROOSEVELT MIDDLE SCHOOL
CIP NUMBER 410.566.001
680 EAST 24TH AVENUE
EUGENE, OREGON 97405
CIP NUMBER 410.566.001

MARK	DATE	DESCRIPTION
2	3-6-2015	ADDENDUM 3
1	2-18-2015	SUPPLEMENTAL INFO 1

ISSUE DATE:	FEBRUARY 18, 2015
ISSUE:	CONSTRUCTION DOCUMENTS
VOLUME:	PACKAGE 1
PROJECT NO:	2013912.00
DRAWN BY:	AB, AF
CHECKED BY:	MK

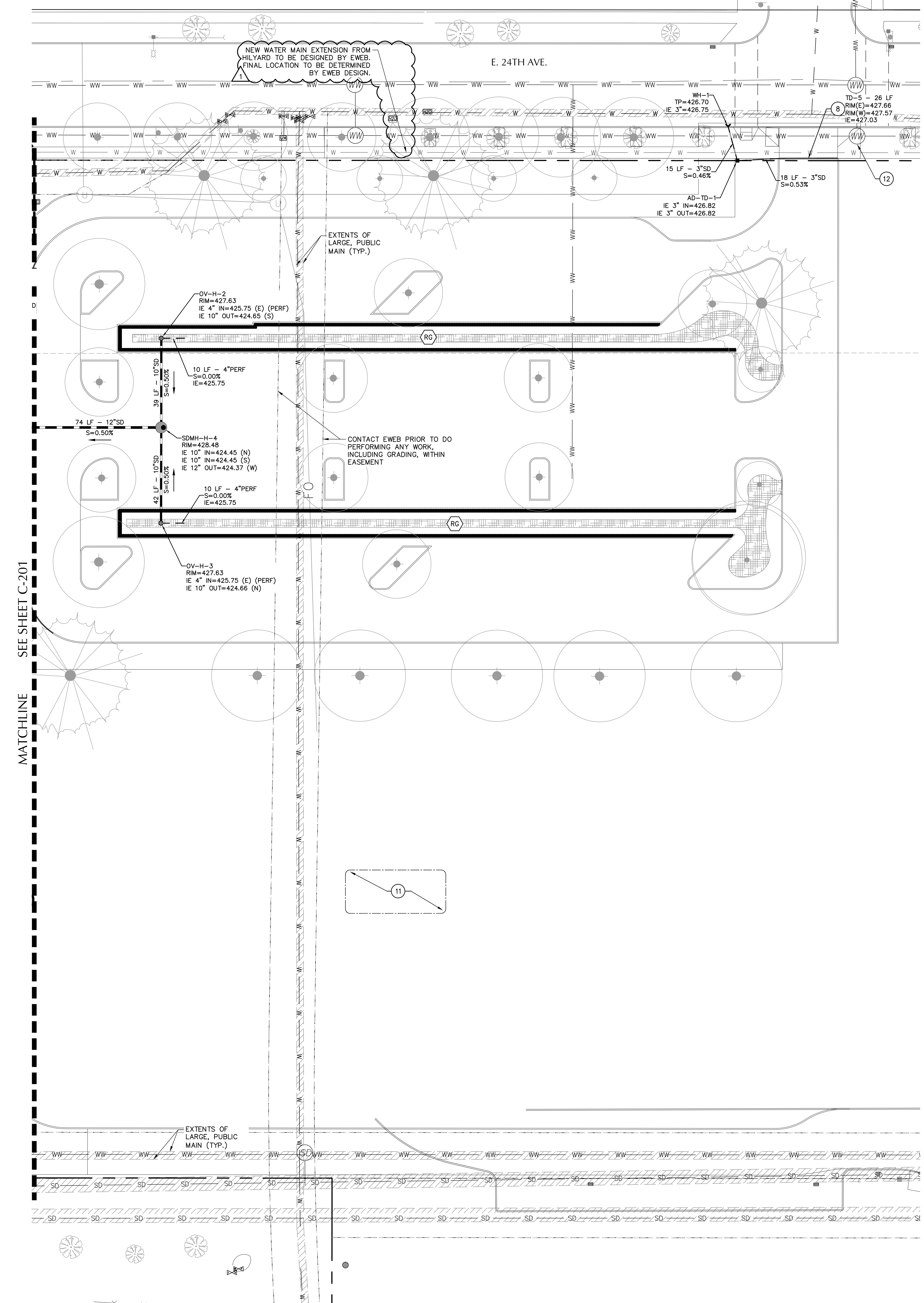
UTILITY PLAN

C-201

File: O:\c\p\2013\313832-Roosevelt-Middle-School\CAD\PLOT\3832-02UT.dwg TAB:C-201
Plotted: 3/6/15 at 11:37am By: ABackus
XREFs: 3832xtb 3832xsv RMS_Site_PL 3832xgr RMS_Grading_Plan

STRUCTURE TABLE

STRUCTURE ID	NORTHING	EASTING
AD-TD-1	5646.02	4620.63
OV-H-2	5568.19	4368.17
OV-H-3	5487.20	4368.04
SDMH-H-4	5529.10	4368.16
WH-1	5660.96	4616.61



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2. STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE UNLESS NOTED OTHERWISE.
3. INSTALL THRUST BLOCK ON FIRE AND WATER LINES PER DETAIL 1/C-302.

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GV	GATE VALVE	
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SMH	48" DIA. SANITARY MH	
SDMH	48" DIA. STORM DRAIN MH	15/C-301
S-TRAP	SANITARY TRAP	9/C-301
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SHEET LEGEND

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IR	IRRIGATION POINT OF CONNECTION. SEE IRRIGATION PLANS FOR CONTINUATION.	
VLT	6" DOUBLE DETECTOR CHECK FIRE BACKFLOW AND VAULT	2/C-302
RP	3" REDUCED PRESSURE DEVICE ABOVE-GROUND ENCLOSURE	3/C-302
FD	PERIMETER FOUNDATION DRAIN. INSTALL AROUND ENTIRE BUILDING PERIMETER. PROTECT WITH BACKWATER VALVE & CONNECT TO STORM SYSTEM. IE AS NOTED.	6/C-302
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!C	PIPE COVER < 2'. USE HDPE ASTM F-714 OR AWWA C906(DR 21), PVC AWWA C900/C905, OR DI (DR 21).	

SCALE 1 INCH = 20 FEET
20 0 20 40

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REGISTERED PROFESSIONAL ENGINEER 56481 OREGON JUL. 19, 2002 MATTHEW M. KEENAN
Digital Signature
EXPIRATION DATE: 6/30/15

EUGENE SCHOOL DISTRICT 4J

REPLACEMENT ROOSEVELT MIDDLE SCHOOL
CIP NUMBER 410.566.001
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CIP NUMBER 410.566.001

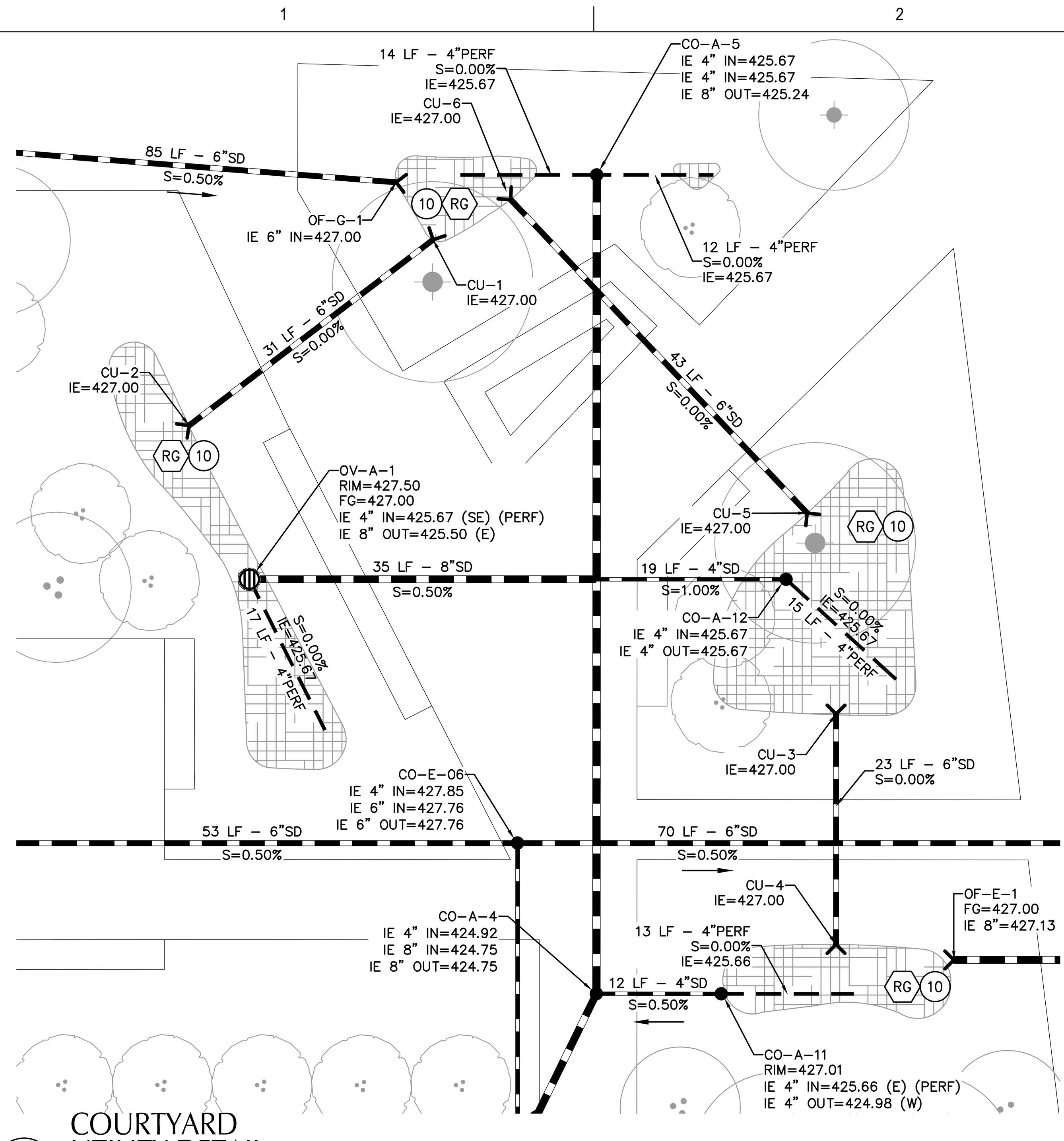
MARK	DATE	DESCRIPTION
1	3-6-2015	ADDENDUM 3

ISSUE DATE: FEBRUARY 18, 2015
ISSUE: CONSTRUCTION DOCUMENTS
VOLUME: PACKAGE 1
PROJECT NO: 2013912.00
DRAWN BY: AB, AF
CHECKED BY: MK

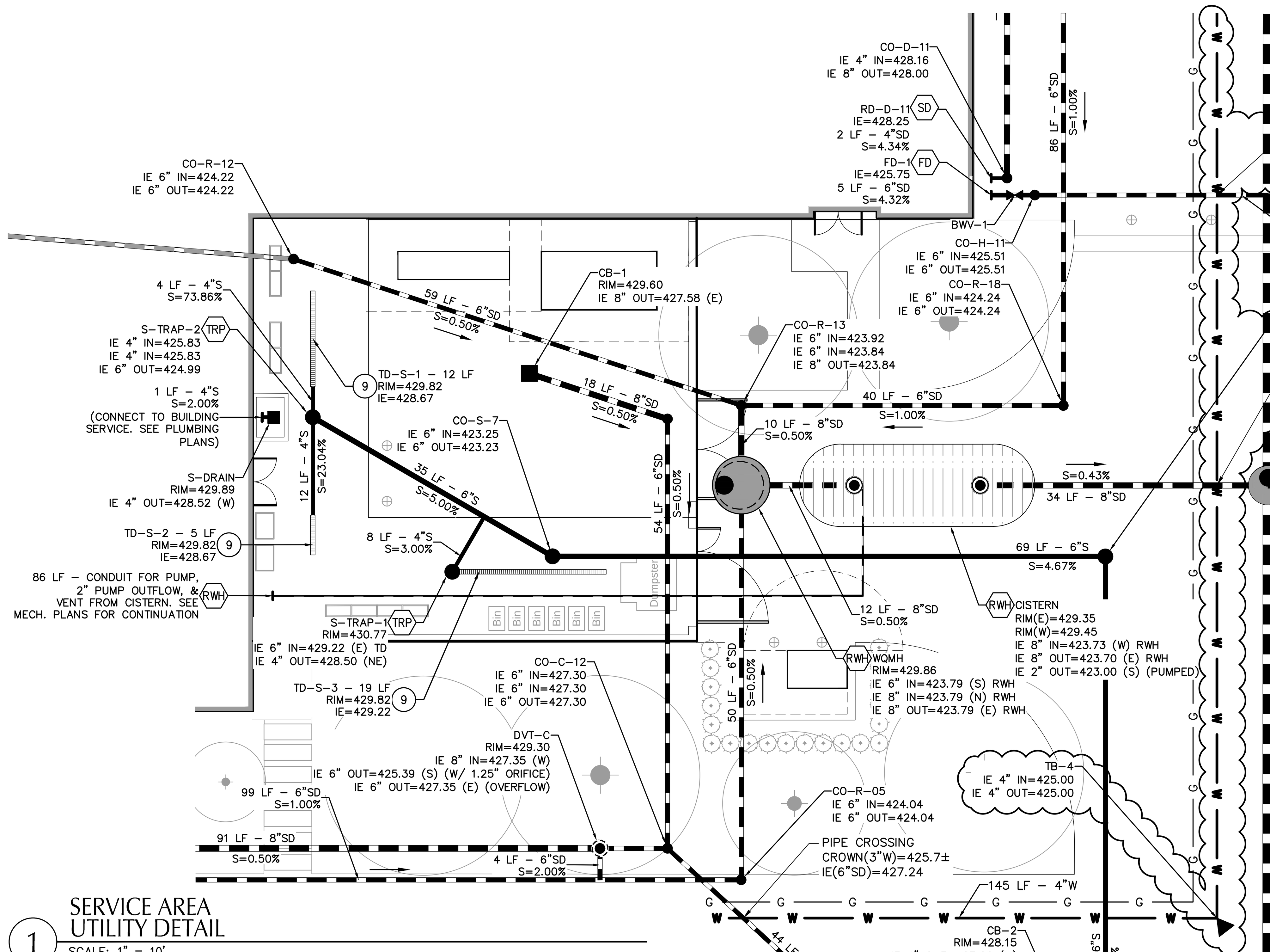
ORIGINAL SHEET SIZE: 30"x42"

UTILITY PLAN

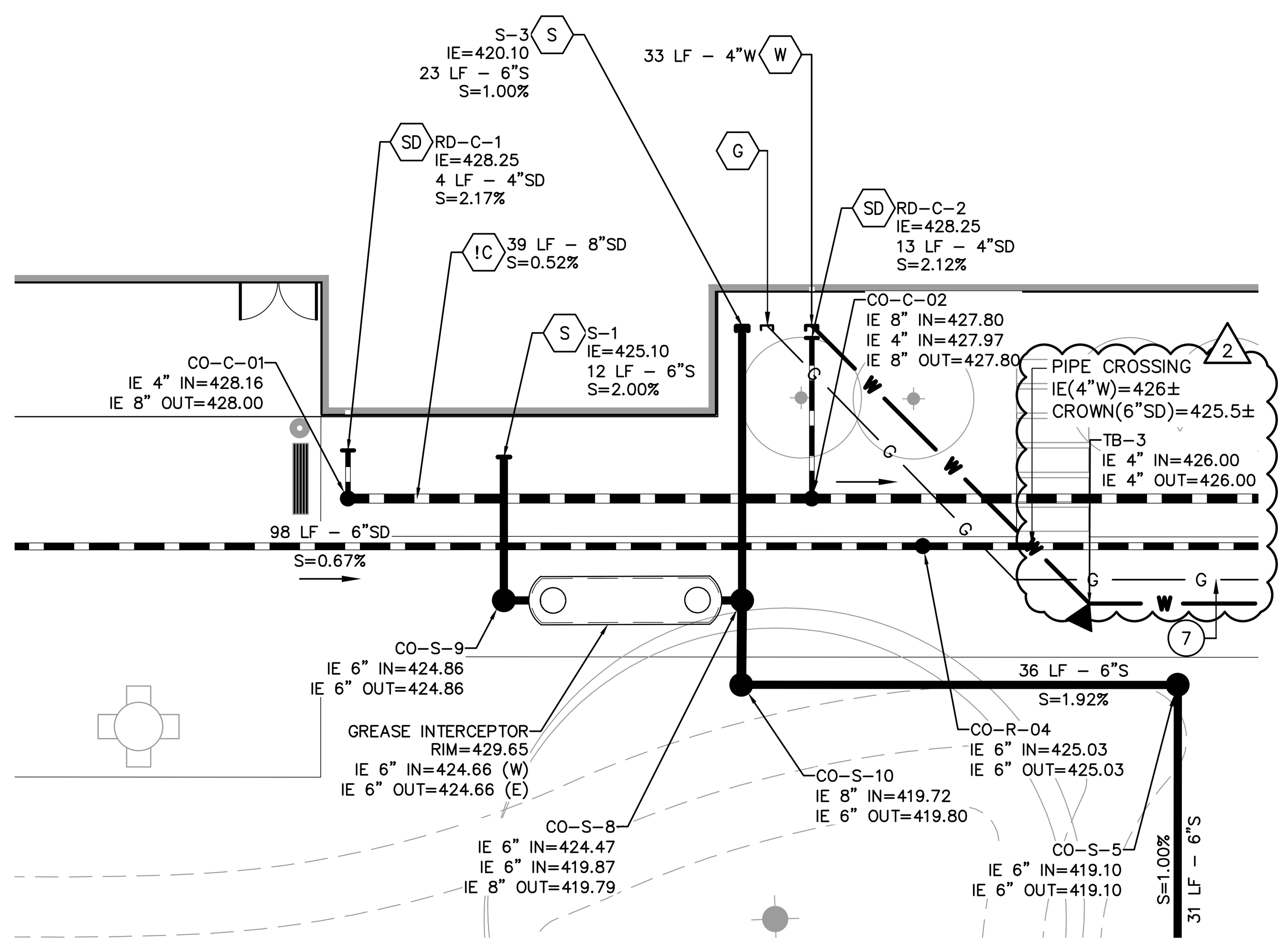
C-202



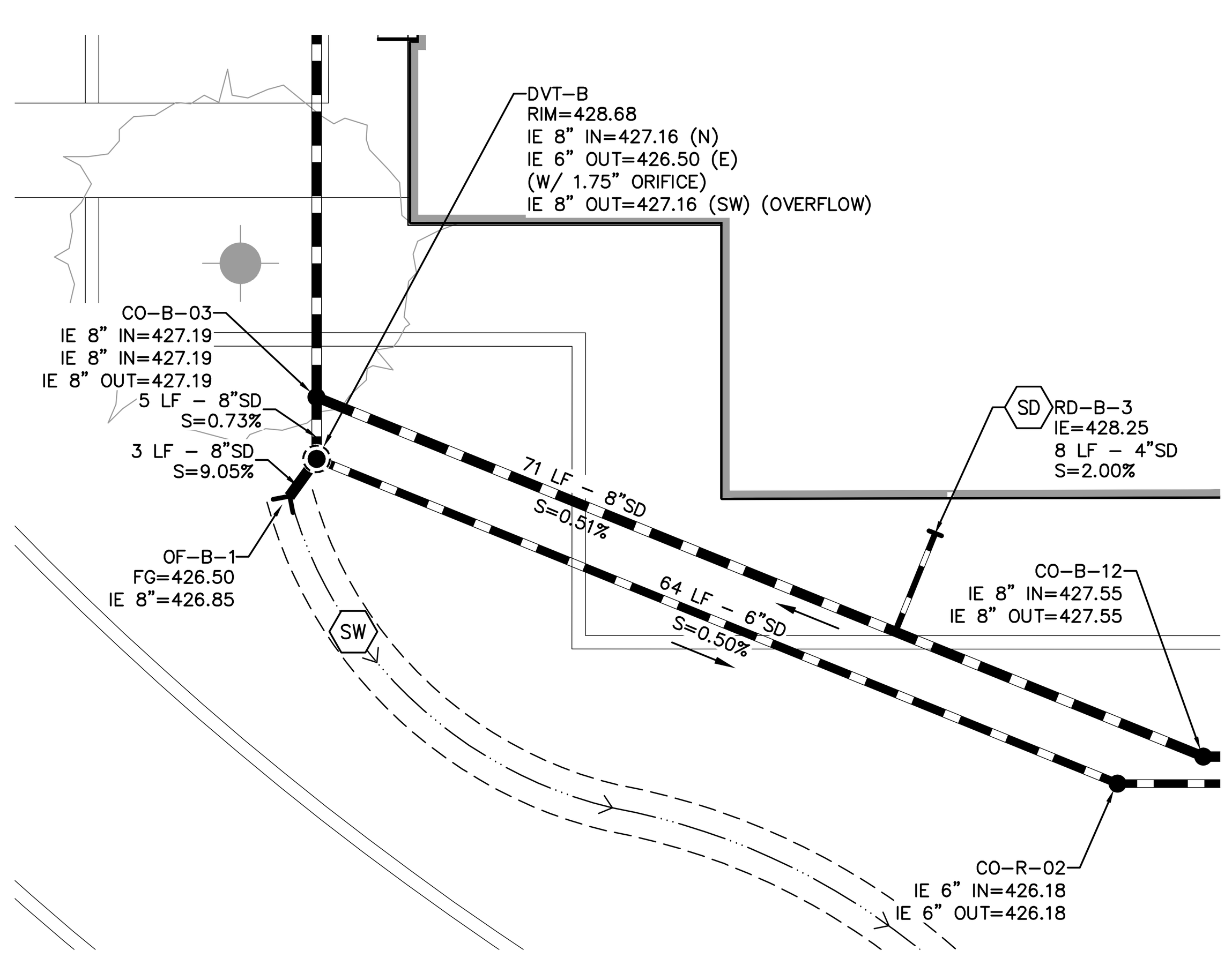
5 COURTYARD UTILITY DETAIL
SCALE: 1" = 10'



1 SERVICE AREA UTILITY DETAIL
SCALE: 1" = 10'



6 UTILITY DETAIL
SCALE: 1" = 10'



3 UTILITY DETAIL
SCALE: 1" = 10'

STRUCTURE TABLE

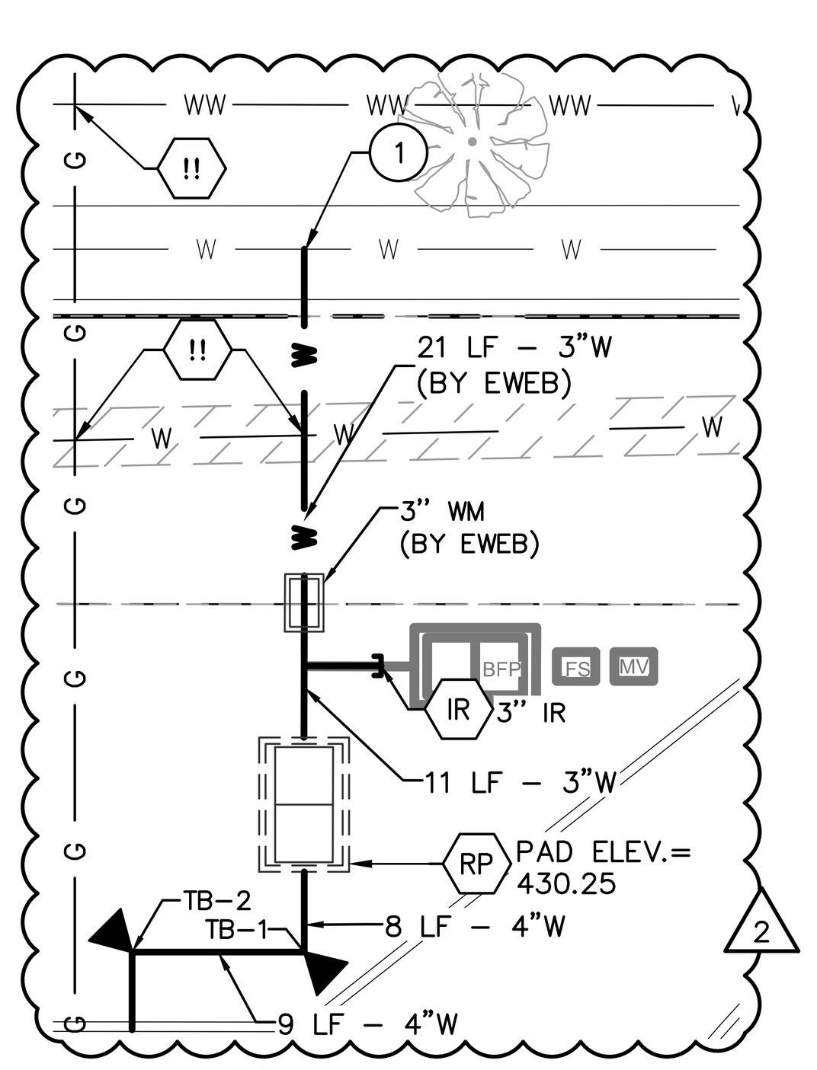
STRUCTURE ID	NORTHING	EASTING
3" WM	5631.31	4296.47
BWV-1	5359.77	4262.15
CB-1	5337.38	4201.20
CB-2	5253.49	4269.63
CISTERN	5323.35	4249.90
CO-A-4	5384.20	4009.78
CO-A-5	5465.93	4009.80
CO-A-11	5384.19	4022.25
CO-A-12	5425.57	4028.70
CO-B-03	5302.39	3873.07
CO-B-12	5275.77	3938.71
CO-C-01	5277.77	4080.93
CO-C-02	5277.77	4119.45
CO-C-11	5331.67	4218.55
CO-C-12	5277.77	4218.55
CO-D-11	5361.91	4261.18
CO-E-06	5399.23	4001.91
CO-F-6	5555.80	4212.77
CO-H-01	5559.95	4293.82
CO-H-02	5559.96	4237.36
CO-H-11	5359.78	4264.66
CO-R-02	5273.77	3932.36
CO-R-04	5273.82	4128.66
CO-R-05	5273.82	4227.80

STRUCTURE TABLE

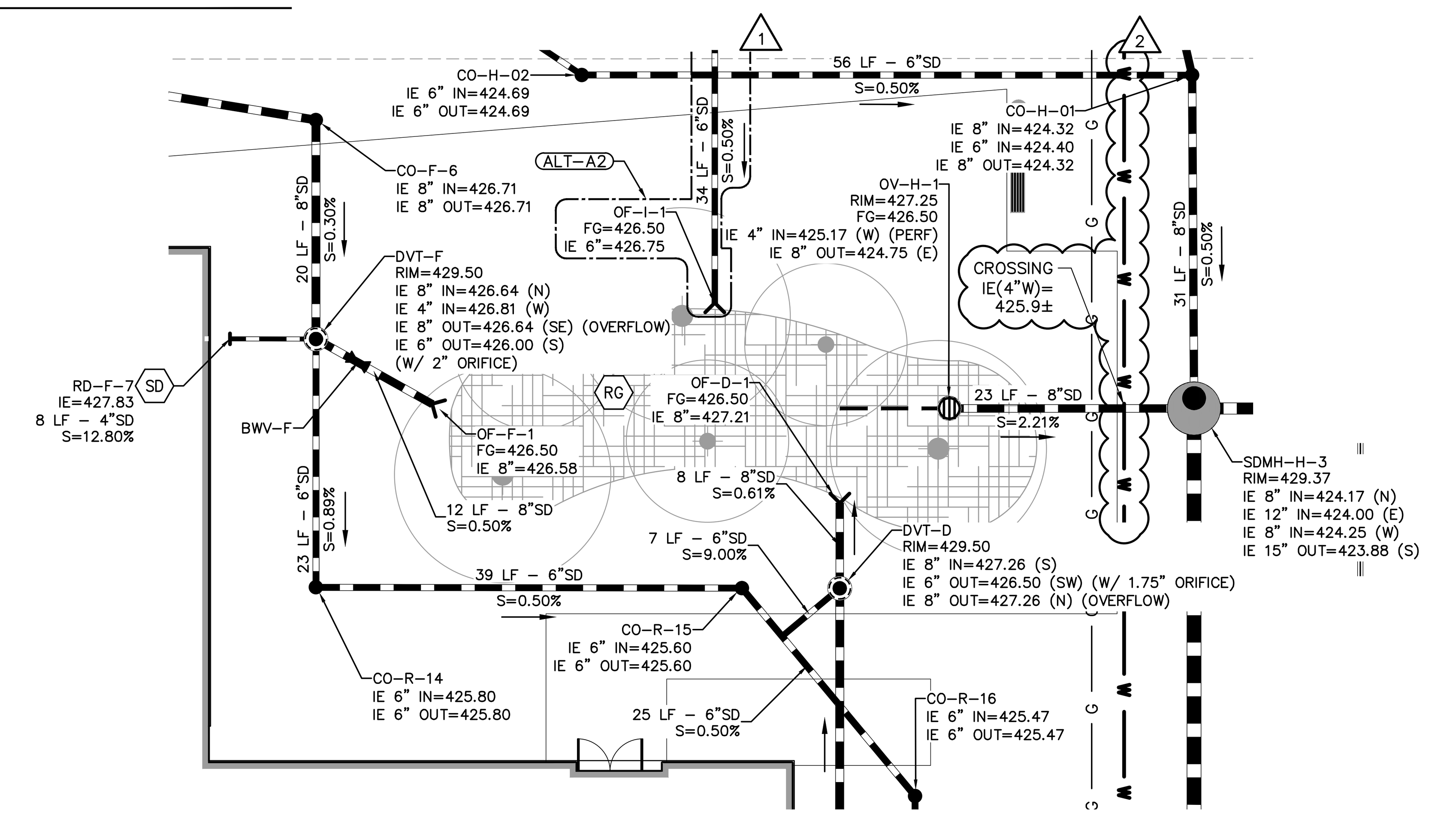
STRUCTURE ID	NORTHING	EASTING
CO-R-12	5351.74	4171.60
CO-R-13	5333.37	4227.81
CO-R-14	5512.58	4212.77
CO-R-15	5512.50	4252.17
CO-R-16	5493.28	4268.19
CO-R-18	5333.36	4268.25
CO-S-2	5314.41	4273.52
CO-S-3	5231.58	4273.52
CO-S-4	5231.59	4249.82
CO-S-5	5262.30	4149.83
CO-S-7	5314.43	4204.11
CO-S-8	5269.31	4113.66
CO-S-9	5269.32	4093.88
CO-S-10	5262.31	4113.59
CU-1	5459.47	3993.48
CU-2	5440.91	3969.11
CU-3	5412.11	4033.70
CU-4	5389.12	4033.70
CU-5	5432.17	4030.81
CU-6	5463.48	4001.21
DVT-B	5297.81	3873.07
DVT-C	5277.77	4210.07
DVT-D	5512.49	4261.22
DVT-F	5535.54	4212.77

STRUCTURE TABLE

STRUCTURE ID	NORTHING	EASTING
FDC	5626.87	4197.52
FH-1	5658.48	4268.27
FP-CONN	5649.89	4046.90
GREASE INTERCEPTOR	5269.31	4103.97
OF-E-1	5387.57	4045.44
OF-G-1	5465.20	3989.79
OV-A-1	5425.57	3975.15
OV-H-1	5529.13	4271.35
RP-EN	5620.79	4296.46
S-DRAIN	5331.90	4169.04
S-TRAP-1	5312.50	4191.52
S-TRAP-2	5331.90	4174.01
SDMH-H-1	5223.46	4293.91
SDMH-H-2	5323.33	4293.93
SDMH-H-3	5529.12	4293.99
TB-1	5613.10	4296.47
TB-2	5613.10	4287.52
TB-3	5269.05	4142.49
TB-4	5269.01	4287.52
WQMH	5323.35	4227.81



4 WATER CONNECTIONS UTILITY DETAIL
SCALE: 1" = 10'



2 UTILITY DETAIL
SCALE: 1" = 10'

SHEET NOTES

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2. STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE UNLESS NOTED OTHERWISE.
3. INSTALL THRUST BLOCK ON FIRE AND WATER LINES PER DETAIL 1/C-302.

(X) KEY NOTES

1. COORDINATE WATER SERVICE POINTS OF CONNECTION WITH EWEB. EWEB TO PERFORM THE FOLLOWING WORK: TAP WATER MAIN FOR ON-SITE SERVICES, INSTALL DOMESTIC FROM MAIN TO AND INCLUDING WATER METER, INSTALL FIRE PROTECTION TO EDGE OF EASEMENT, AND INSTALL PUBLIC FIRE HYDRANTS. CONTRACTOR TO COORDINATE AN SCHEDULE WORK. (2)
2. CONNECT TO EXISTING MANHOLE.
3. CONNECT TO EXISTING CATCH BASIN.
4. CONNECT TO EXISTING 60-INCH PUBLIC STORM MAIN. COORDINATE SCHEDULE AND METHOD OF CONNECTION WITH CITY OF EUGENE. LATERAL SIZE AND APPROXIMATE IE AS NOTED.
5. SEE PLUMBING PLANS FOR CONSTRUCTION OF STORM DRAINS WITHIN BUILDING FOOTPRINT.
6. INSTALL TERMINAL BACKWATER VALVE ON ALL "IN" PIPES. (14/C-301)
7. COORDINATE WITH NW NATURAL TO CONNECT TO 2" GAS MAIN IN 24th AVE. GAS PIPING, VALVES, FITTINGS, AND METER SHOWN FOR REFERENCE ONLY. CONTRACTOR TO COORDINATE FINAL DESIGN AND LOCATION WITH NW NATURAL.
8. DECORATIVE TRENCH GRATE. USE JAMISON GRATE AS PRODUCED BY URBAN ACCESSORIES TO FIT SELECTED TRENCH DRAIN.
9. STANDARD TRENCH DRAIN. USE ADA COMPLIANT LOCKABLE HEAVY DUTY TRENCH GRATE – CLASS C.
10. RAIN GARDEN TO INCLUDE COMPACTED CLAY LENS. (12/C-301)
11. PROVIDE CONNECTION TO FIELD SUBDRAINAGE. SEE LANDSCAPE PLANS. (ALT-A2)
12. ADJUST EXISTING STRUCTURE TO GRADE.
13. CONNECT TO CONCRETE WALL FOOTING DRAIN. SEE LANDSCAPE PLANS.
14. CLEAN OUT EXISTING AREA DRAIN TO ENSURE DRAINAGE.
15. CONNECT TO EXIST. 36-INCH PUBLIC SANITARY MAIN. IE AS NOTED.

UTILITY LABEL LEGEND

STRUCTURE LABEL

XX XX-XX
RIM=
IE IN = XX.X
IE OUT = XX.X

- UTILITY TYPE (SD=STORM DRAINAGE, S=SANITARY SEWER, W=WATER, FP=FIRE PROTECTION)
- STRUCTURE TYPE CALLOUT
- ID NUMBER (WHERE APPLICABLE)
- STRUCTURE INFO (WHERE APPLICABLE)

PIPE LABEL

XXLF – XX" XX
S=X.XX%

- UTILITY LENGTH
- UTILITY SIZE
- UTILITY TYPE
- SLOPE (WHERE APPLICABLE)

STRUCTURE TYPE

CALLOUT	DESCRIPTION	DETAIL REF.
BEND	BEND, ANGLE AS NOTED	
BWV	BACKWATER VALVE	3/C-301
CB	TRAPPED CATCH BASIN	2/C-301
CO	CLEANOUT TO GRADE	5/C-301
CU	CULVERT INLET/OUTLET	4/C-301
CONN	CONNECTION	
DI	DITCH INLET	10/C-301
DVT	STORM DIVERTER	3/C-303
FD	FOUNDATION DRAINAGE CONN.	
FDC	FIRE DEPARTMENT CONNECTION	4/C-302
FH	FIRE HYDRANT	5/C-302
GI	GREASE INTERCEPTOR	8/C-302
GV	GATE VALVE	
LF	LINEAL FEET	
OF	OUTFALL	8/C-301
OV	OVERFLOW INLET	11/C-301
SMH	48" DIA. SANITARY MH	
SDMH	48" DIA. STORM DRAIN MH	15/C-301
S-TRAP	SANITARY TRAP	9/C-301
TB	THRUST BLOCK	1/C-302
TD	TRENCH DRAIN	6/C-301
TD-AD	TRENCH DRAIN AREA DRAIN	6/C-301
WH	WEEP HOLE AT CURB	7/C-302
WM	WATER METER	
WQMH	WATER QUALITY MANHOLE	4/C-303

SHEET LEGEND

Symbol	Description	Detail Ref.
RG	RAIN GARDEN	12/C-301
SW	GRASSY SWALE	13/C-301
S	CONNECT TO WASTE LINE. SEE PLUMBING PLANS FOR CONTINUATION. SIZE AS NOTED.	
SD	CONNECT TO STORM DRAIN/ROOF DRAIN. SEE ARCHITECTURAL PLANS FOR CONTINUATION. SIZE AND IE AS NOTED.	9/C-302
W	CONNECT TO COLD WATER SYSTEM. SEE PLUMBING PLANS FOR CONTINUATION. SIZE AS NOTED.	
FP	CONNECT TO FIRE PROTECTION SYSTEM. SIZE AS NOTED. SEE PLUMBING PLANS FOR CONTINUATION.	
G	CONNECT TO GAS METER. CONTRACTOR TO COORDINATE WITH GAS COMPANY. SEE PLUMBING FOR CONTINUATION.	
IR	IRRIGATION POINT OF CONNECTION. SEE IRRIGATION PLANS FOR CONTINUATION.	
VLT	6" DOUBLE DETECTOR CHECK FIRE BACKFLOW AND VAULT	2/C-302
RP	3" REDUCED PRESSURE DEVICE ABOVE-GROUND ENCLOSURE	3/C-302
FD	PERIMETER FOUNDATION DRAIN. INSTALL AROUND ENTIRE BUILDING PERIMETER. PROTECT WITH BACKWATER VALVE & CONNECT TO STORM SYSTEM. IE AS NOTED.	6/C-302
RWH	RAINWATER HARVESTING CISTERN AND ASSOCIATED FITTINGS.	1/C-303
TRP	P-TRAP TO BE AUTO-PRIMED AND VENTED. P-TRAP AND DRAIN MUST BE INSTALLED BY A LICENSED PLUMBING CONTRACTOR. SEE PLUMBING PLANS FOR AUTO-PRIME CONNECTION AND VENT.	9/C-301
!!	UTILITY CROSSING. POTHOLE EXISTING UTILITY PRIOR TO CONSTRUCTION AND REPORT ELEVATION, SIZE, AND HORIZONTAL LOCATION TO KPFF. PROVIDE 12" MIN. CLEARANCE, U.N.O.	
!C	PIPE COVER < 2'. USE HDPE ASTM F-714 OR AWWA C906(DR 21), PVC AWWA C900/C905, OR DI (DR 21).	

SCALE 1 INCH = 20 FEET
20 0 20 40

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F: 541.684.4909
www.kpff.com

REGISTERED PROFESSIONAL ENGINEER
56481
Digital Signature
OREGON
JUL. 19, 2002
MATTHEW M. KEENAN
EXPIRATION DATE: 6/30/15

EUGENE SCHOOL DISTRICT 4J

REPLACEMENT ROOSEVELT MIDDLE SCHOOL
CIP NUMBER 410.566.001
680 EAST 24TH AVENUE
EUGENE, OREGON 97405
CIP NUMBER 410.566.001

MARK	DATE	DESCRIPTION
2	3-6-2015	ADDENDUM 3
1	2-18-2015	SUPPLEMENTAL INFO 1

ISSUE DATE: FEBRUARY 18, 2015
ISSUE: CONSTRUCTION DOCUMENTS
VOLUME: PACKAGE 1
PROJECT NO: 2013912.00
DRAWN BY: AB, AF
CHECKED BY: MK

UTILITY PLAN

C-203

File: O:\c\p\2013\313832-Roosevelt-Middle-School\CAD\PLOT\3832-02UT.dwg TAB:C-203
Plotted: 3/6/15 at 11:37am By: ABa...
XREFs: 3832xtb 3832xsv RMS_Site_PL 3832xar RMS_Grading_Plan

PHASE ONE WORK
See Civil/Erosion Control Plans

PHASE TWO WORK
See Civil/Erosion Control Plans

EXISTING CONCRETE CURB
To Remain

EXISTING CONCRETE WALK
To Remain

EXISTING CONCRETE
To Be Removed

SAWCUT EXISTING
CONCRETE

EXISTING CONCRETE WALK
To Remain

EXISTING CONCRETE WALK
To Remain

EXISTING AC PAVING
To Remain

EXISTING AC PAVING
To Remain

EXISTING CONCRETE CURB
To Remain

(55) EXISTING BIKE RACKS
Salvage for re-use. See new location on Site Plan, L101.1. Approximate location shown.

428.86
TINK MANHOLE

419.66
60" CONC CULV

420.17
60" CONC CULV

NOTES

1. All survey information provided by:
   Branch Engineering Inc.
   310 5th Street
   Springfield, OR 97477
   P: 541.746.0637
   F: 541.746.0389
   Date: 02.12.2014
2. See Architectural and Engineering Drawings for additional work.
3. Construction/Tree Protection Fence: See Sheet L100.2 - Tree Protection Plan.
4. Verify exact locations of routing of existing underground utilities prior to starting excavation. Repair and damage to existing pipes, utilities or related facilities at Contractor's expense in a manner approved by Owner's Representative.
5. At lawn & plant bed areas strip and remove top 4 inches of sod/mulch. Salvage topsoil for reuse at location shown on Civil Plans, EC-201 & EC- 202.
6. Install additional protection measures when working in tree protection zone. Install temporary drip irrigation, bark chips, steel plates, and crushed rock to minimize compaction of soils.
7. Refer to Civil Utilities Plan for all existing utility impacts.
8. Refer to Civil and Survey Sheets for work within existing Easements. Contact EWEB prior to performing any work, including Grading, within Easement.

LEGEND

- PROPERTY LINE
- SITE LIMIT LINE (Approximate)
- EASEMENT
  See Note #8.
- EXISTING TREE
  To Remain
- EXISTING TREE
  To Be Removed
- EXISTING SIGN
  To Remain
- GOAL 5 WETLAND WATER RESOURCE SITE SETBACK BOUNDARY
- SAWCUT
- ZONE OF PROTECTION (1 / L100.2)
  See Sheet L100.2 for
  Tree Protection Plan
- CRITICAL ROOT ZONE
  See Sheet L100.2 for
  Tree Protection Plan
- DEMO EXISTING BUILDING
  See Building Asbestos Diagram and Legend
  See Specifications
- DEMO EXISTING HARDSCAPES
  Demolish existing paving, hardscape elements and landscape elements within hatched area. Saw cut edges in paving. Grub out and remove stumps. See Civil, Electric and Architectural for additional work.
- DEMO LAWN/LANDSCAPE AREA
  Grub out and remove stumps and sod. Strip 3" of existing sod and salvage 12" of existing topsoil and stockpile for re-use. Coordinate review of salvaged soil for stock pile with Landscape Architect and Owner's Representative prior to work.
- FUTURE WORK ZONE
  No demolition or removal work in this area. Backfill to grade with suitable soil where any trees have been removed. Area to be reconstructed by Owner in separate Package.
- FUTURE WORK ZONE
  Backfill to grade with suitable fill. Area to be reconstructed by Owner in separate Package.
- GOAL 5 WETLAND WATER RESOURCE SITE
  Protected Area, No Work within this area

BUILDING ASBESTOS DIAGRAM

** Diagram provided by Owner and is shown for reference only. Verify in field prior to removal. Coordinate work with Owner's asbestos removal contractor. See Specifications.

- Below Grade Concrete Tunnel
  To Be Removed
- (1) Tunnel: 11'-10" x 5'-3"
- (2) Tunnel: 11'-2" x 4'-9"
- (3) Tunnel: 12'-6" x 3'-11"
- (4) Tunnel: 3'-6" x 2'-6"
- (5) Tunnel: 3' x 4'-2"
- (6) 3" asphalt @ floor crawl space
- (7) 1'-0" crawl space @ adjacent grade below
- Assumed asbestos containing pipe insulation in below grade concrete pipe chases. Coordinate demo w. Owner's asbestos removal contractor.
- Asbestos containing pipe insulation concealed in floors and walls. Coordinate demo w. Owner's asbestos removal contractor.

NORTH

SCALE: 1" = 40' 0' 20' 40' 80'

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REGISTERED 285 LARRY K. GILBERT OREGON LANDSCAPE ARCHITECT

EUGENE SCHOOL DISTRICT 4J

4J

REPLACEMENT ROOSEVELT MIDDLE SCHOOL

680 EAST 24TH AVENUE
EUGENE, OREGON 97405

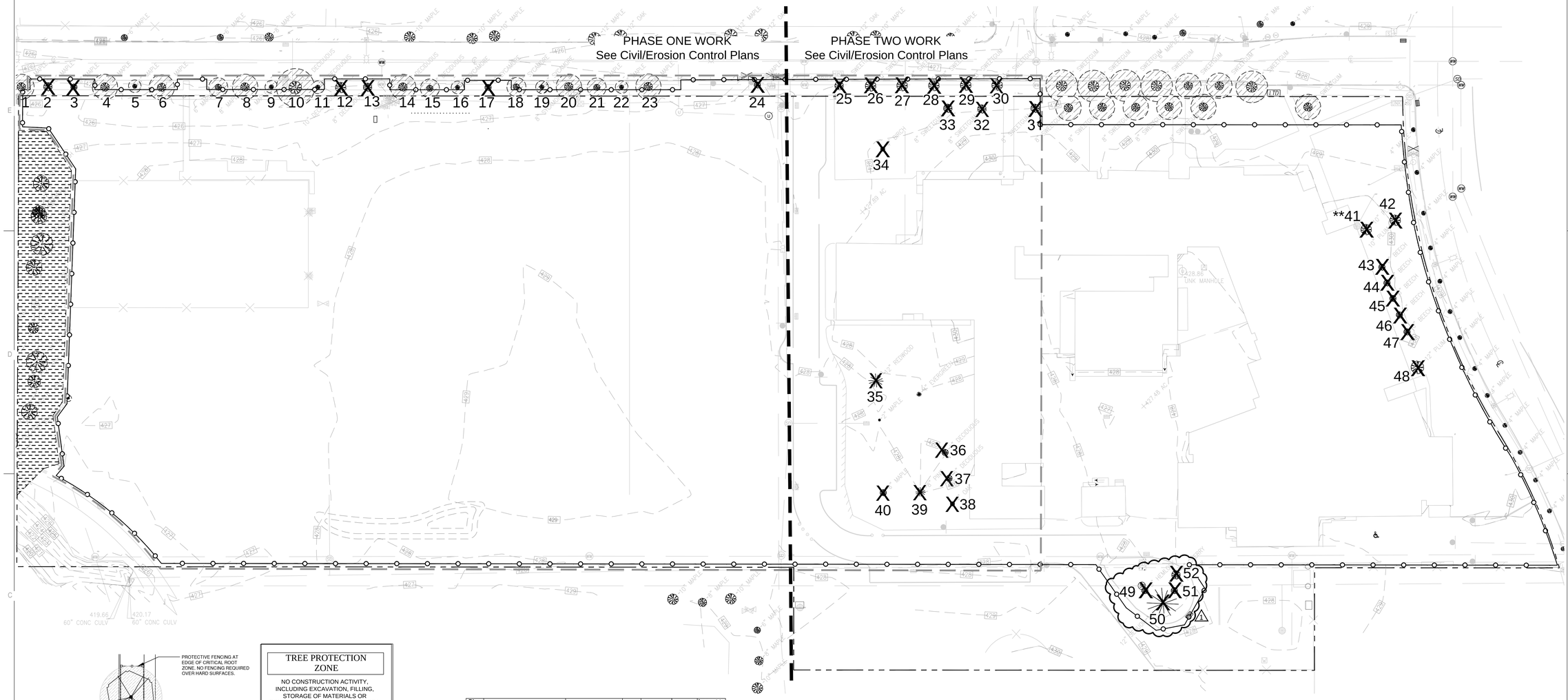
MARK	DATE	DESCRIPTION
1	3-06-2015	ADDENDUM 3

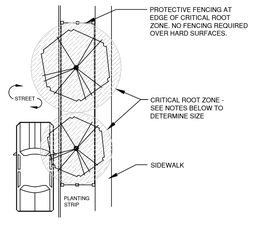
ISSUE DATE:	FEBRUARY 18, 2015
ISSUE:	CONSTRUCTION DOCUMENTS
VOLUME:	PACKAGE 1
PROJECT NO:	2013912.00
DRAWN BY:	NLR / KMK
CHECKED BY:	LKG

ORIGINAL SHEET SIZE: 30"x42"

DEMOLITION PLAN

L-100.1





TYPICAL STREET TREE PROTECTION DETAIL

TREE PROTECTION ZONE

NO CONSTRUCTION ACTIVITY, INCLUDING EXCAVATION, FILLING, STORAGE OF MATERIALS OR EQUIPMENT PERMITTED IN THIS AREA

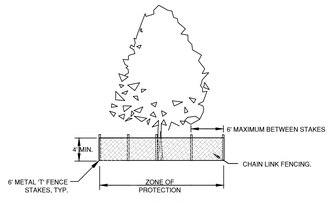
KEEP OUT

FOR MORE INFORMATION CONTACT

OR THE CITY OF EUGENE, PUBLIC WORKS, ENGINEERING 682-5580

City of EUGENE

TREE PROTECTION NOTICE



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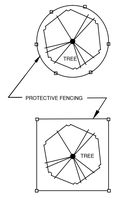

TYPICAL TREE PROTECTION
(NO PAVED SURFACES)

NOTES:

1. The critical root zone (CRZ) for trees 4" diameter or smaller shall be an area with a radius at least 5' from the trunk.
2. The CRZ for trees over 4" diameter shall be an area with a radius of at least 1'6" from the trunk for every 1" of diameter size.
3. No soil grade changes or compaction shall take place within the CRZ, except as approved.
4. No storage of material shall be allowed within the CRZ.
5. If work is done with the CRZ, care must be taken to minimize root disturbance. special care shall be taken during excavation and removal of existing curb, gutter, and sidewalks to avoid damage to tree roots. Locate existing tree roots using hand tools or other approved methods such as an air-spade.
6. Protective fencing is required when the work area is within the CRZ of trees, except where portions of the CRZ are covered with pavement such as streets or walks.
7. No root over 2" shall be cut without approval of the urban forester (or an approved arborist). Roots shall be cut with approved saws. No roots over 2" shall be cut or torn during trenching with power equipment such as backhoes and trenchers. Utility lines and irrigation or other pipes shall be installed by hand digging or tunneling under roots, as necessary, to avoid cutting roots 2" and larger.

TREE PROTECTION

CITY OF EUGENE STANDARD DRAWING L2-120
Required for trees within Right of Way

NTS (1)

Plan ID	Genus & Species	Common Name	DBH		Action	Impact to CRZ
1	Fraxinus americana	American Ash	8"	poor	protect	8%
2	Fraxinus americana	American Ash	8"	poor	remove	100%
3	Fraxinus americana	American Ash	6"	fair	remove	100%
4	Fraxinus americana	American Ash	8"	fair	protect	13%
5	Fraxinus latifolia	Oregon Ash	4"	fair	protect	0%
6	Fraxinus latifolia	Oregon Ash	8"	good	protect	14%
7	Fraxinus latifolia	Oregon Ash	6"	fair	protect	5%
8	Fraxinus americana	American Ash	8"	good	protect	12%
9	Catalpa bignonioides	Southern Catalpa	4"	fair	protect	0%
10	Catalpa	Catalpa	12"	excellent	protect	26%
11	Catalpa	Catalpa	4"	fair	protect	0%
12	Catalpa	Catalpa	10"	excellend	remove	100%
13	Catalpa	Catalpa	8"	poor	remove	100%
14	Catalpa	Catalpa	8"	good	protect	12%
15	Catalpa	Catalpa	6"	good	protect	9%
16	Platanus x acerifolia	London Plane Tree	4"	excellent	protect	0%
17	Platanus x acerifolia	London Plane Tree	6"	good	remove	100%
18	Platanus x acerifolia	London Plane Tree	6"	very good	protect	9%
19	Platanus x acerifolia	London Plane Tree	4"	very good	protect	0%
20	Platanus x acerifolia	London Plane Tree	8"	excellent	protect	11%
21	Acer rubrum	Red Maple	6"	excellent	protect	5%
22	Acer rubrum	Red Maple	4"	healthy	protect	0%
23	Acer platenoides	Norway Maple	8"	excellent	protect	11%
24	Tilia	Linden	6"	poor	remove	0%
25	Liquidambar styraciflua	Sweetgum	8"	very good	remove	11%
26	Liquidambar styraciflua	Sweetgum	10"	very good	remove	13%
27	Liquidambar styraciflua	Sweetgum	10"	very good	remove	13%
28	Liquidambar styraciflua	Sweetgum	10"	very good	remove	13%
29	Liquidambar styraciflua	Sweetgum	10"	very good	remove	13%
30	Liquidambar styraciflua	Sweetgum	10"	good	remove	13%
Plan ID	**Genus & Species**	**Common Name**	**DBH**	**Health/ Condition**	**Action**	**Impact to CRZ**
31	Liquidambar styraciflua	Sweetgum	8"	fair	remove	18%
32	Liquidambar styraciflua	Sweetgum	8"	fair	remove	0%
33	Liquidambar styraciflua	Sweetgum	8"	very good	remove	0%
35	Sequoia sempervirens	Coastal Redwood	12"	excellent	remove	0%
39	Pinus monticola	Western White Pine	8"	excellent	remove	0%
**41	Prunus sp.	Plum	10"	poor	remove	0%
42	Prunus sp.	Plum	10"	poor	remove	0%
48	Magnolia x soulangeana	Saucer Magnolia	12"	healthy	remove	0%
52	Prunus	Cherry	8"	moderate	remove	100%
50	Sequoiadendron giganteum	Giant Redwood	12"	healthy	remove	100%
Plan ID	**Genus & Species**	**Common Name**	**DBH**	**Health/ Condition**	**Action**	**Impact to CRZ**
34	Betula papyrifera	White Birch	4"	good	remove	100%
36	Liriodendron tulipifera	Tulip Tree	6"	very good	remove	100%
37	Liriodendron tulipifera	Tulip Tree	6"	excellent	remove	100%
38	Quercus coccinea	Scarlet Oak	4"	fair	remove	100%
40	Metasequoia glyptostroboides	Dawn Redwood	6"	excellent	remove	100%
43	Carpinus betulus	Hornbeam	6"	very good	remove	100%
44	Carpinus betulus	Hornbeam	6"	very good	remove	100%
45	Carpinus betulus	Hornbeam	6"	fair	remove	100%
46	Carpinus betulus	Hornbeam	6"	very good	remove	100%
47	Carpinus betulus	Hornbeam	6"	good	remove	100%
49	Tsuga	Hemlock	6"	healthy	remove	100%
51	Tsuga	Hemlock	6"	healthy	remove	100%

SEE NOTE 10

NOTES

1. All survey information provided by:
   Branch Engineering Inc.
   310 5th Street
   Springfield, OR 97477
   P: 541.746.0637
   F: 541.746.0389
   Date: 02.12.2014
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. If roots are encountered during construction and the Owner's Representative determines that modification of the work is not practical, cut roots in accordance with the following; Do not cut roots greater than 1.5 inches diameter without approval of the Owner's Representative. For roots greater than 1 inch diameter sharp pruning equipment such as saws and loppers must be used.
4. Do not allow exposed roots to dry out before permanent backfill is in place; provide temporary earth cover, pack with wet bark mulch, or 4 layers of wet untreated burlap, and temporarily support and protect from damage until roots are permanently relocated and covered with backfill. Water the soil to settle backfill and eliminate voids and air pockets.
5. Remove all vegetation within the boundary of the Limit of Work, as shown on drawing. Protect all vegetation outside of the Limit of Work unless shown on drawing to be removed or directed by Owner's Representative.
6. **Watering** - Water trees if required by Owner's Representative. Use a slow drip or soaker hose to provide necessary water until completion of project.

□□ **Tr□□Pr□□□□□□F□□□□** - Install fence during initial mobilization at the site and maintain until Substantial Completion. Fence is to be 6-foot chain link fence and secured with rigid metal posts 6' min. length and adequate strength to support fencing and resist wind and moderate live loads. Coordinate final location of fencing in field with Owner's Representative.

8□ □□□□ □□**Pr**□□□□□□ - Enclose or delineate areas with rigid chain link fencing. Obtain advance written authorization from the Landscape Architect for removal or modification of fencing. There shall be no work conducted in the enclosed area, no storage, no traffic, or other activities not previously approved.

□□ **Cr**□□□□**R**□□□□□□□**CR**□□- The CRZ for trees 4" diameter or smaller is an area with a radius at least 5' from the trunk. The CRZ for trees over 4" diameter shall be an area with a radius at least 1'-6" from the trunk for every 1" of diameter size or as determined by the Owner's Representative. Within this zone only trench-less boring at pre-authorized depths, "air-spade" trenching, or hand digging.

10. Tree #41 to be removed as part of Phase 1 work, per the recommendation and assessment of the Certified Arborist. See Arborist report containing specific documentation of tree health.

LEGEND

- SITE LIMIT LINE (Approximate)
- PROPERTY LINE
- PHASE BOUNDARY See Civil and Erosion Plans
- EXISTING TREE To Remain
- EXISTING TREE To Be Removed
- GOAL 5 WETLAND WATER RESOURCE SITE Protected Area, No Work within this area
- GOAL 5 WETLAND WATER RESOURCE SITE SETBACK BOUNDARY
- CRITICAL ROOT ZONE
- ZONE OF PROTECTION Protect as required for existing trees to remain.
- TREE PROTECTION FENCE See Note #7.
- CONSTRUCTION FENCE
- PLANT ID NUMBER

NORTH

0' 20' 40' 80'

SCALE: 1" = 40'

Robertson|Sherwood Architects PC mahlum

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REGISTERED 285 LARRY K. GILBERT OREGON LANDSCAPE ARCHITECT

EUGENE SCHOOL DISTRICT 4J

REPLACEMENT ROOSEVELT MIDDLE SCHOOL

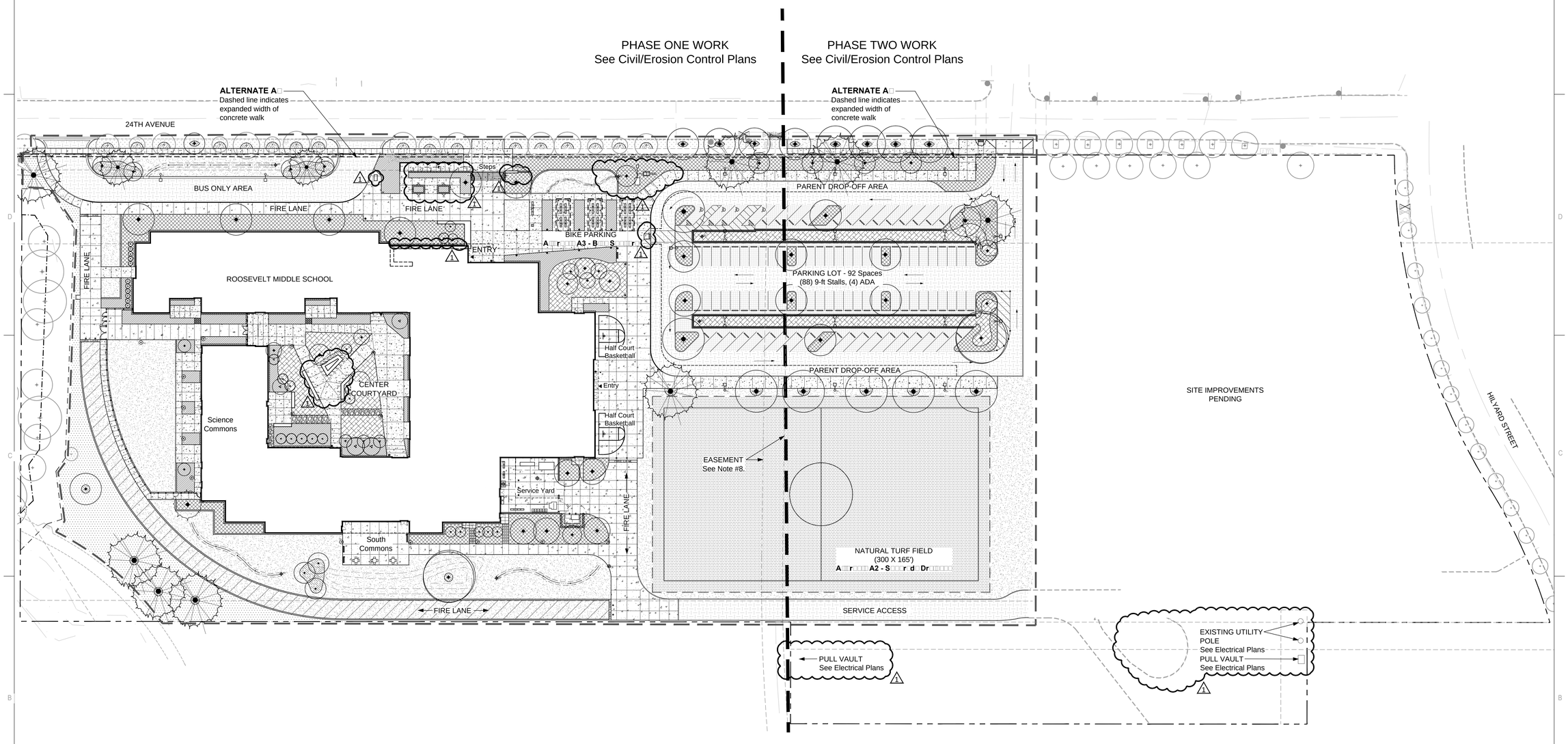
680 EAST 24TH AVENUE
EUGENE, OREGON 97405

MARK	DATE	DESCRIPTION
1	3-06-2015	ADDENDUM 3

ISSUE DATE: FEBRUARY 18, 2015
ISSUE: CONSTRUCTION DOCUMENTS
VOLUME: PACKAGE 1
PROJECT NO: 2013912.00
DRAWN BY: NLR / KMK
CHECKED BY: LKG
ORIGINAL SHEET SIZE: 30"x42"

TREE PROTECTION AND REMO□AL PLAN

L-100.2



SITE PLAN NOTES

1. All survey information provided by:
   Branch Engineering Inc.
   310 5th Street
   Springfield, OR 97477
   P: 541.746.0637
   F: 541.746.0389
   Date: 02.12.2014
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. Barricade and protect trunks, limbs, roots and root zones beyond dripline of existing trees and plant materials to remain as directed by Owner's Representative. Cut no limbs or roots larger than 2" in diameter without approval of Owner's Representative. Notify Owner's Representative prior to performing any excavation within protection areas.
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. Obtain Owner's 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 of damaged by construction impacts to the condition that existed prior to construction.
8. Refer to Civil and Survey Sheets for work within existing Easements. Contact EWEB prior to performing any work, including Grading, within Easement.
9. ADA Operator - Door operator at 36-inch with card reader at 42-inch mounted on 48-inch 4x4 painted galvanized HHS post with welded cap set in 12-inch diameter by 30-inch deep concrete footing.

LEGEND

1. See Sheets L101.1 and L101.2 for Notes and Legend information.

SPECIAL NOTE

ALTERNATE A
Base Bid includes improvements to existing 5-ft sidewalk at locations shown on drawings. Alternate includes demo of existing 5-ft sidewalk and replacing with a new 8-ft concrete sidewalk. If Alternate is selected sidewalk expansion will increase concrete areas and decrease landscaped areas as shown on plans. Concrete and landscaped areas will be increased or reduced by the following quantities:

- Concrete: +/- 3920 sf; in addition to the new concrete shown at the 5ft sidewalk included in the base bid.
  Base Bid Concrete: +/- 4,593 sf
- Planting Bed Type 1: +/- 240 sf. Delete 240 sf of plant bed.
  See Landscape Plan for additional information
- Planting Bed Type 2: +/- 1,400 sf. Delete 1400 sf of plant bed.
  See Landscape Plan for additional information
- Lawn Area: -720 sf. Delete 720 sf of lawn.
  See Landscape Plan for additional information
- Eco Lawn Irrigated: -70 sf. Delete 70 sf. of Eco Lawn.
  See Landscape Plan for additional information

OVERALL SITE PLAN

SCALE: 1" = 40'

0' 20' 40' 80'

NORTH

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REGISTERED 285 LARRY K. GILBERT OREGON LANDSCAPE ARCHITECT

EUGENE SCHOOL DISTRICT 4J

REPLACEMENT ROOSEVELT MIDDLE SCHOOL

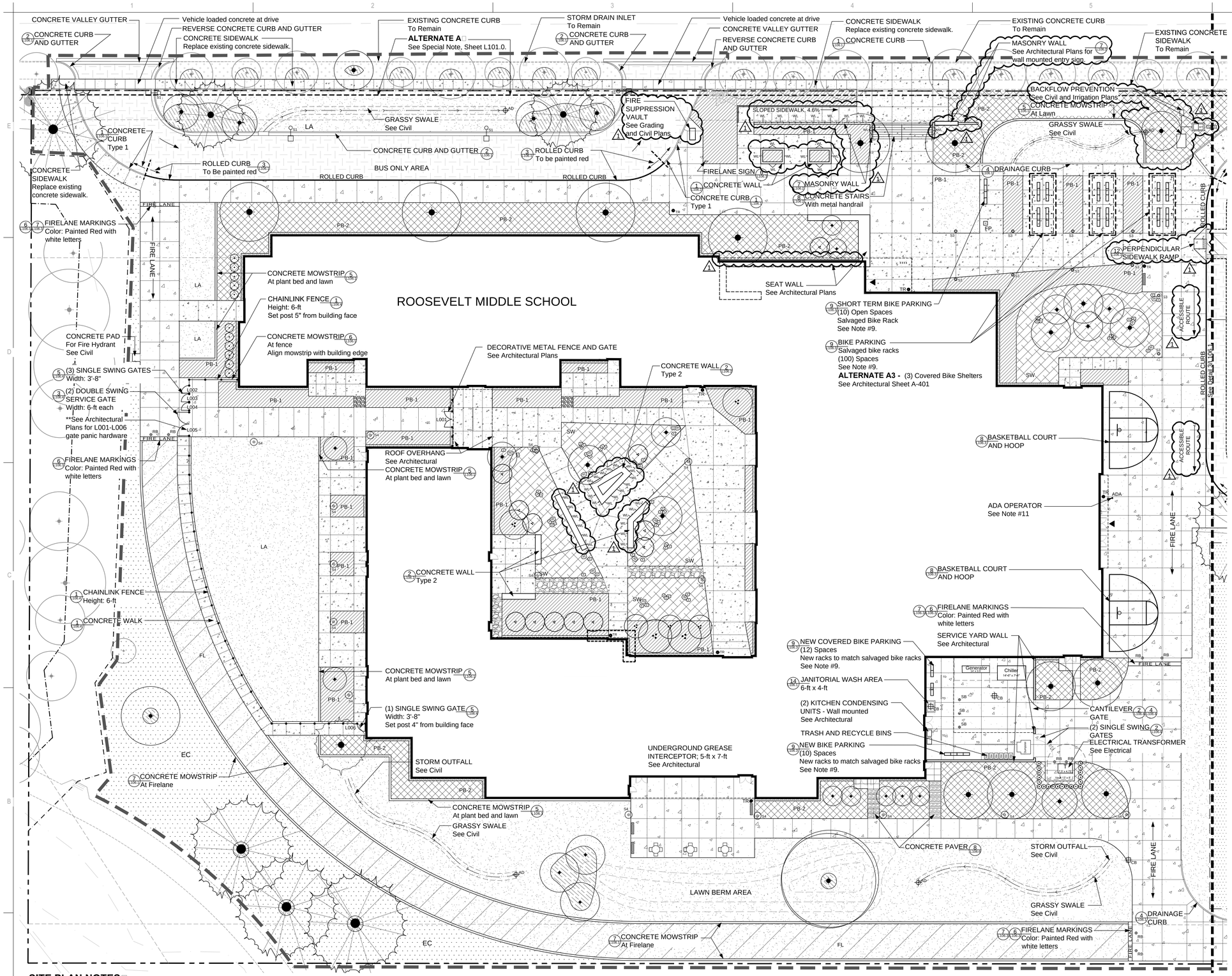
680 EAST 24TH AVENUE
EUGENE, OREGON 97405

MARK	DATE	DESCRIPTION
1	3-06-2015	ADDENDUM 3

ISSUE DATE: FEBRUARY 18, 2015
ISSUE: CONSTRUCTION DOCUMENTS
VOLUME: PACKAGE 1
PROJECT NO: 2013912.00
DRAWN BY: NLR / KMK
CHECKED BY: LKG
ORIGINAL SHEET SIZE: 30"x42"

OVERALL SITE PLAN

L-101.0



SITE PLAN NOTES

1. All survey information provided by:
   Branch Engineering Inc.
   310 5th Street
   Springfield, OR 97477
   P: 541.746.0637
   F: 541.746.0389
   Date: 02.12.2014
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. Barricade and protect trunks, limbs, roots and root zones beyond dripline of existing trees and plant materials to remain as directed by Owner's Representative. Cut no limbs or roots larger than 2" in diameter without approval of Owner's Representative. Notify Owner's Representative prior to performing any excavation within protection areas.
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. Obtain Owner's 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 of damaged by construction impacts to the condition that existed prior to construction.
8. **ALTERNATE A**: See Sheet L101.0 for **S**[illegible]**N**[illegible].
9. Salvage existing 14 bike racks (bike parking spaces for 110) for re-installation. Sand blast and prepare racks from new blue powder coating finish per painting Specifications 09 90 00. Verify color with Architect. Provide new anchors.
10. Refer to Civil and Survey Sheets for work within existing Easements. Contact EWEB prior to performing any work, including Grading, within Easement.
11. ADA Operator - Door operator at 36-inch with card reader at 42-inch mounted on 48-inch 4x4 painted galvanized HHS post with welded cap set in 12-inch diameter by 30-inch deep concrete footing.

LEGEND

- LIMIT OF WORK (Approximate)
- PROPERTY LINE
- EASEMENT See Note #10.
- EXISTING TREES To Remain
- PROPOSED DECIDUOUS TREES See Planting Plan
- PROPOSED EVERGREEN TREES See Planting Plan
- GOAL 5 WATER RESOURCE SITE SETBACK
- GRASSY SWALE BASIN & FLOW LINE
- CHAINLINK FENCE
- DECORATIVE METAL FENCE
- CONCRETE PAVING - PEDESTRIAN 6 inch thick over 6 inch base
- CONCRETE PAVING - VEHICLE REINFORCED 8 inch thick over 15 inch base
- AC PAVING - HEAVY 4 inches over 15 inches See Civil
- AC PAVING - LIGHT 2-1/2 inches over 11 inches See Civil
- PB- 1 — PLANT BED - Type 1 At Grade, Bark Mulch
- PB- 2 — PLANT BED - Type 2 Above Grade, Bark Mulch
- SW — STORMWATER PLANTER Type: Rain Garden With Stone Mulch
- LA — LAWN See Landscape Plan
- LR — LAWN REPAIR Irrigated
- NT — NATURAL TURF FIELD **BASE BID**: Irrigated and seeded **ALTERNATE A2**: Subgrade Drainage System See Detail 11/L106.5
- EC — ECO LAWN Irrigated
- FL — REINFORCED LAWN AT FIRE LANE Irrigated
- MULCH AREA
- CONCRETE EDGE At building exterior
- CONCRETE WALK Finish: Exposed Aggregate
- DETECTABLE PAVING
- BIKE RACK Hoop Style # Indicated number of bikes per rack See Note #9
- TR — TRASH RECEPTACLE See Specifications
- BENCH See Specifications
- PICNIC TABLE See Specifications
- FP — FLAG POLE See Specifications
- CONCRETE WHEEL STOP
- CB AD — DRAINS See Civil & Grading Plan
- TD TD — TRENCH DRAIN See Civil & Grading Plan
- ACCESSIBLE PARKING SIGN
- RB — REMOVABLE BOLLARD See Specifications
- SB — STEEL BOLLARD See Specifications
- FB — FLEXIBLE PLASTIC BOLLARD See Specifications
- BASALT ACCENT STONE "S" - Small, "M" - Medium, See Specifications
- SITE LIGHTING See Electrical, Lighting Plan and Layout Plan See Specifications
- WL — WALL LIGHT/SITE LIGHTING See Electrical, Lighting Plan and Layout Plan See Specifications
- BIKE/ SKATE STOP

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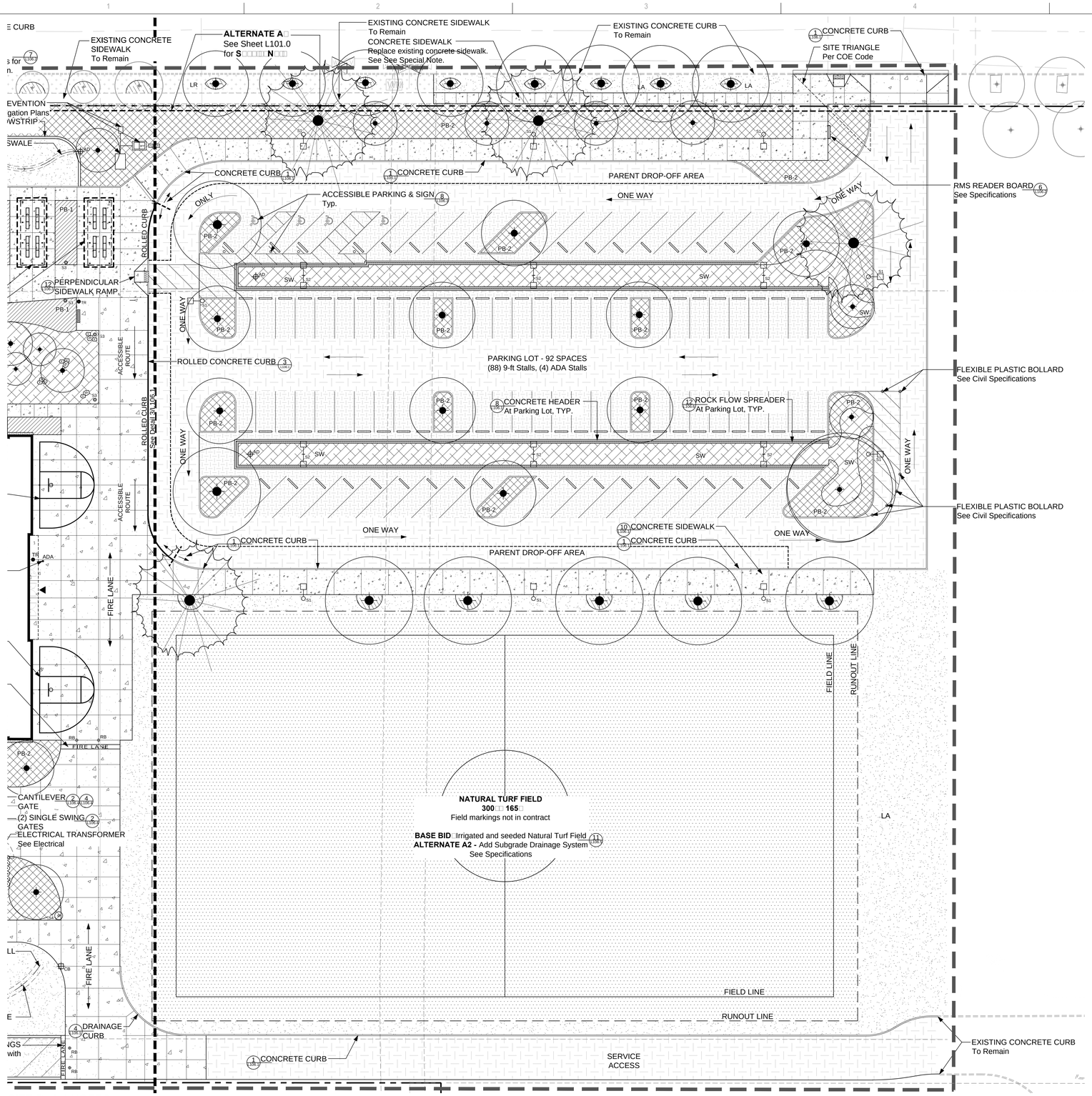
WEST SITE PLAN

L-101.1



SITE PLAN NOTES

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8. **ALTERNATE A**: See Sheet L101.0 for S N.

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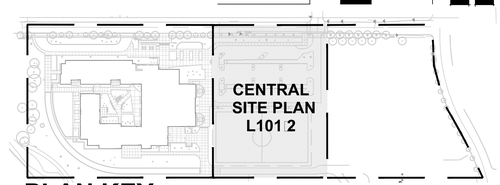
SCALE: 1" = 20'

0' 10' 20' 40'

NORTH



PLAN KEY

LEGEND

- LIMIT OF WORK (Approximate)
- PROPERTY LINE
- EASEMENT See Note #10.
- EXISTING TREES To Remain
- PROPOSED DECIDUOUS TREES See Planting Plan
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- SITE LIGHTING See Electrical, Lighting Plan and Layout Plan See Specifications
- WL: WALL LIGHT/SITE LIGHTING See Electrical, Lighting Plan and Layout Plan See Specifications
- BIKE/ SKATE STOP

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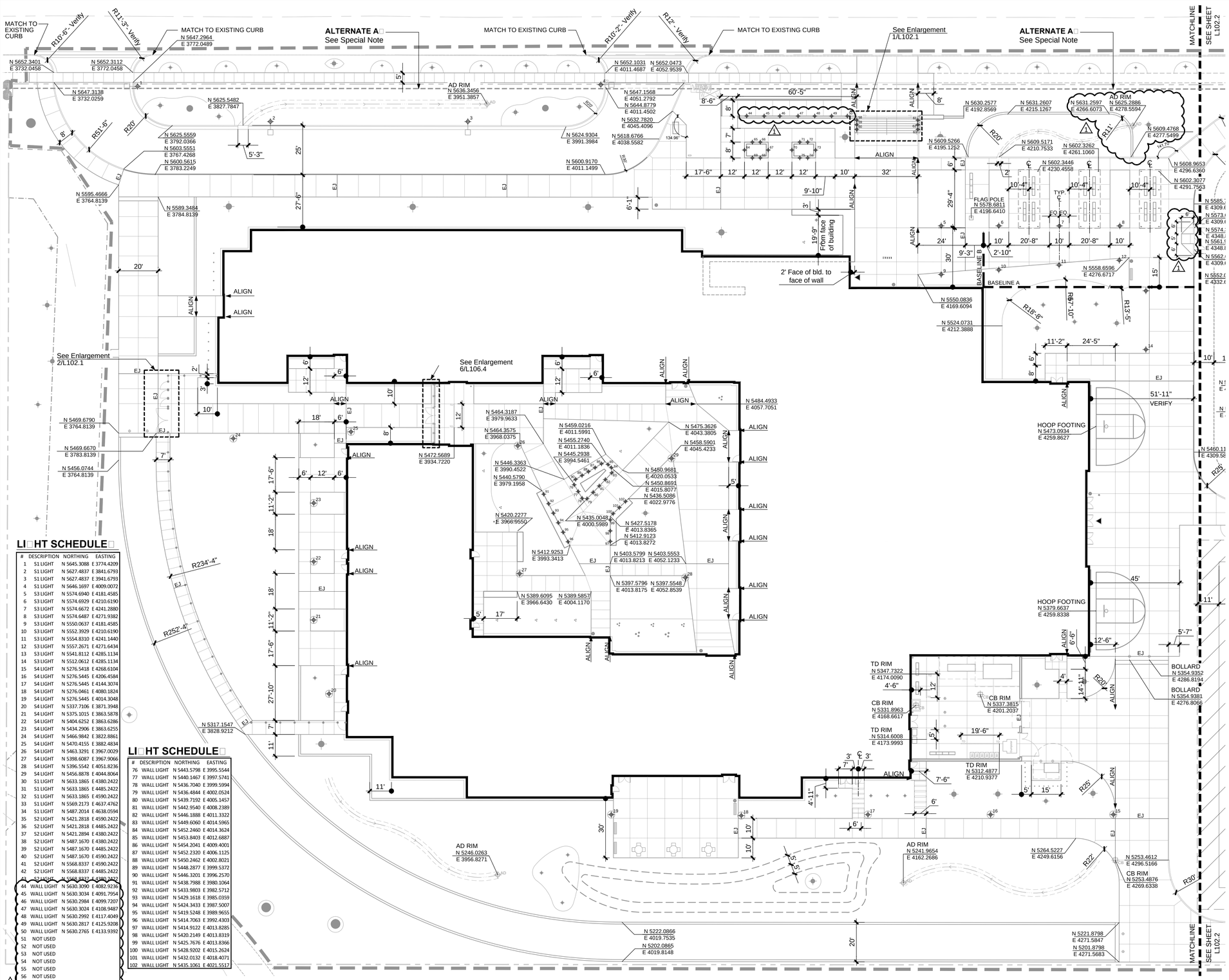
CENTRAL SITE PLAN

L-101.2



LEGEND

- SITE LIMIT LINE (Approximate)
- PROPERTY LINE
- 15' — DIMENSION
- 15' — DIMENSION From Building Face or Baseline
- R5' — RADIUS All radius 3' unless otherwise noted
- ALIGN — ALIGN WITH ELEMENT
- N 5475.2235 E 5959.0604 — NORTHING/EASTING COORDINATE
- E.Q. — EQUAL
- LIGHTING COORDINATE POINT See Light Schedule See Lighting Plan and Specifications for fixtures
- EJ — EXPANSION JOINT

SPECIAL NOTE

ALTERNATE A

Base Bid includes improvements to existing 5-ft sidewalk at locations shown on drawings. Alternate includes demo of existing 5-ft sidewalk and replacing with a new 8-ft concrete sidewalk. If Alternate is selected sidewalk expansion will increase concrete areas. Concrete areas will be increased by the following quantities:

Concrete: + 3920 sf; in addition to the new concrete shown at the 5ft sidewalk included in the base bid.
Base Bid Concrete: 4,593 sf

See Site Plan L101.0, L101.1 and L101.2.

LIGHT SCHEDULE

#	DESCRIPTION	NORTHING	EASTING
1	S1 LIGHT	N 5645.3088	E 3774.4209
2	S1 LIGHT	N 5627.4837	E 3841.6793
3	S1 LIGHT	N 5627.4837	E 3941.6793
4	S1 LIGHT	N 5646.1697	E 4009.0072
5	S3 LIGHT	N 5574.6940	E 4181.4585
6	S3 LIGHT	N 5574.6929	E 4210.6190
7	S3 LIGHT	N 5574.6672	E 4241.2880
8	S3 LIGHT	N 5574.6487	E 4271.9382
9	S3 LIGHT	N 5550.0637	E 4181.4585
10	S3 LIGHT	N 5552.3929	E 4210.6190
11	S3 LIGHT	N 5554.8310	E 4241.1440
12	S3 LIGHT	N 5557.2671	E 4271.6434
13	S3 LIGHT	N 5541.8112	E 4285.1134
14	S3 LIGHT	N 5512.0612	E 4285.1134
15	S4 LIGHT	N 5276.5418	E 4266.6104
16	S4 LIGHT	N 5276.5445	E 4206.4584
17	S4 LIGHT	N 5276.5445	E 4144.3074
18	S4 LIGHT	N 5276.0461	E 4080.1824
19	S4 LIGHT	N 5276.5445	E 4014.3048
20	S4 LIGHT	N 5337.7106	E 3871.3948
21	S4 LIGHT	N 5375.1015	E 3863.5878
22	S4 LIGHT	N 5404.6252	E 3863.6286
23	S4 LIGHT	N 5434.2906	E 3863.6255
24	S4 LIGHT	N 5466.9842	E 3822.8861
25	S4 LIGHT	N 5470.4155	E 3882.4834
26	S4 LIGHT	N 5463.3291	E 3967.0029
27	S4 LIGHT	N 5398.6087	E 3967.9066
28	S4 LIGHT	N 5396.5542	E 4051.8236
29	S4 LIGHT	N 5456.8878	E 4004.8064
30	S1 LIGHT	N 5633.1865	E 4380.2422
31	S1 LIGHT	N 5633.1865	E 4485.2422
32	S1 LIGHT	N 5633.1865	E 4590.2422
33	S1 LIGHT	N 5569.2173	E 4637.4762
34	S1 LIGHT	N 5487.2014	E 4638.0594
35	S2 LIGHT	N 5421.2818	E 4590.2422
36	S2 LIGHT	N 5421.2818	E 4485.2422
37	S2 LIGHT	N 5421.2894	E 4380.2422
38	S2 LIGHT	N 5487.1670	E 4380.2422
39	S2 LIGHT	N 5487.1670	E 4485.2422
40	S2 LIGHT	N 5487.1670	E 4590.2422
41	S2 LIGHT	N 5568.8337	E 4590.2422
42	S2 LIGHT	N 5568.8337	E 4485.2422
43	S2 LIGHT	N 5568.8337	E 4380.2422
44	WALL LIGHT	N 5630.3090	E 4082.9236
45	WALL LIGHT	N 5630.3034	E 4091.7954
46	WALL LIGHT	N 5630.2984	E 4099.7207
47	WALL LIGHT	N 5630.3024	E 4108.9487
48	WALL LIGHT	N 5630.2992	E 4117.4049
49	WALL LIGHT	N 5630.2817	E 4125.9208
50	WALL LIGHT	N 5630.2765	E 4133.9392
51	NOT USED		
52	NOT USED		
53	NOT USED		
54	NOT USED		
55	NOT USED		
56	NOT USED		
57	NOT USED		
58	NOT USED		
59	WALL LIGHT	See Detail 8/L106.2	
60	WALL LIGHT	See Detail 8/L106.2	
61	WALL LIGHT	See Detail 8/L106.2	
62	WALL LIGHT	See Detail 8/L106.2	
63	WALL LIGHT	See Detail 8/L106.2	
64	WALL LIGHT	N 5613.1019	E 4081.8128
65	WALL LIGHT	N 5617.0915	E 4085.8146
66	WALL LIGHT	N 5617.0894	E 4089.8146
67	WALL LIGHT	N 5613.0873	E 4093.8121
68	WALL LIGHT	N 5609.0973	E 4089.8104
69	WALL LIGHT	N 5609.0994	E 4085.8104
70	WALL LIGHT	N 5613.0866	E 4105.8121
71	WALL LIGHT	N 5617.0845	E 4109.8145
72	WALL LIGHT	N 5617.0824	E 4113.8145
73	WALL LIGHT	N 5613.0739	E 4117.8121
74	WALL LIGHT	N 5609.0824	E 4113.8102
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76	WALL LIGHT	N 5443.5798	E 3995.5544
77	WALL LIGHT	N 5440.1467	E 3997.5741
78	WALL LIGHT	N 5436.7040	E 3999.5994
79	WALL LIGHT	N 5436.4844	E 4002.0524
80	WALL LIGHT	N 5439.7192	E 4005.1457
81	WALL LIGHT	N 5442.9540	E 4008.2389
82	WALL LIGHT	N 5446.1888	E 4011.3322
83	WALL LIGHT	N 5449.6060	E 4014.5965
84	WALL LIGHT	N 5452.2460	E 4014.3624
85	WALL LIGHT	N 5453.8403	E 4012.6887
86	WALL LIGHT	N 5454.2041	E 4009.4001
87	WALL LIGHT	N 5452.2320	E 4006.1125
88	WALL LIGHT	N 5450.2462	E 4002.8021
89	WALL LIGHT	N 5448.2877	E 3999.5372
90	WALL LIGHT	N 5446.3201	E 3996.2570
91	WALL LIGHT	N 5438.7988	E 3980.1064
92	WALL LIGHT	N 5433.9803	E 3982.5712
93	WALL LIGHT	N 5429.1618	E 3985.0359
94	WALL LIGHT	N 5424.3433	E 3987.5007
95	WALL LIGHT	N 5419.5248	E 3989.9655
96	WALL LIGHT	N 5414.7063	E 3992.4303
97	WALL LIGHT	N 5414.9122	E 4013.8285
98	WALL LIGHT	N 5420.2149	E 4013.8319
99	WALL LIGHT	N 5425.7676	E 4013.8366
100	WALL LIGHT	N 5428.9202	E 4015.2624
101	WALL LIGHT	N 5432.0132	E 4018.4071
102	WALL LIGHT	N 5435.1061	E 4021.5517

LAYOUT PLAN NOTES

1. All survey information provided by:
   Branch Engineering Inc.
   310 5th Street
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   P: 541.746.0637
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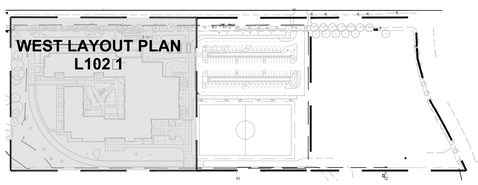
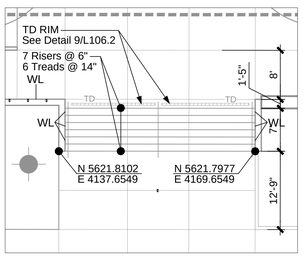
   Date: 02.12.2014
2. Verify existing conditions in the field. Notify Owner's Representative of any discrepancies.
3. Verify exact locations and routing of existing underground utilities prior to starting excavation. Repair any damage to existing pipes, utilities or related facilities at Contractor's expense in a manner approved by Owner's Representative.
4. Cease layout work and notify Owner's Representative of any discrepancies in project benchmarks, control points, coordinates, dimensions, degrees, locations, stakes, etc. Obtain approval prior to executing any layout work different from that shown or specified.
5. Locate all concrete paving joints as shown on Site and Layout Plans. All concrete paving joints not specifically dimensioned shall be equally spaced between shown or noted limits.
6. All coordinates and dimensions are at face of element (curb, walk, building, or wall) unless noted otherwise.
7. 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. Obtain Owner's Representative's approval prior to installing any related work.
8. See Civil Plans for locations of all drainage structures (deck drains, trench drains, catch basins and area drains). Coordinate exact location with Owner's Representative of concrete edge and jointing locations shown on Site Plan prior to installation.
9. Match new concrete sidewalk to existing sidewalk at nearest joint.

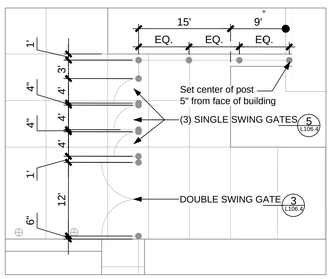
10 **ALTERNATE A**: See Special Note.



PLAN KEY



ENTRY STAIR LAYOUT ENLARGEMENT — 1 / L102.1



FENCE POST ENLARGEMENT PLAN — 1 / L102.1

SCALE: 1" = 20'

NORTH

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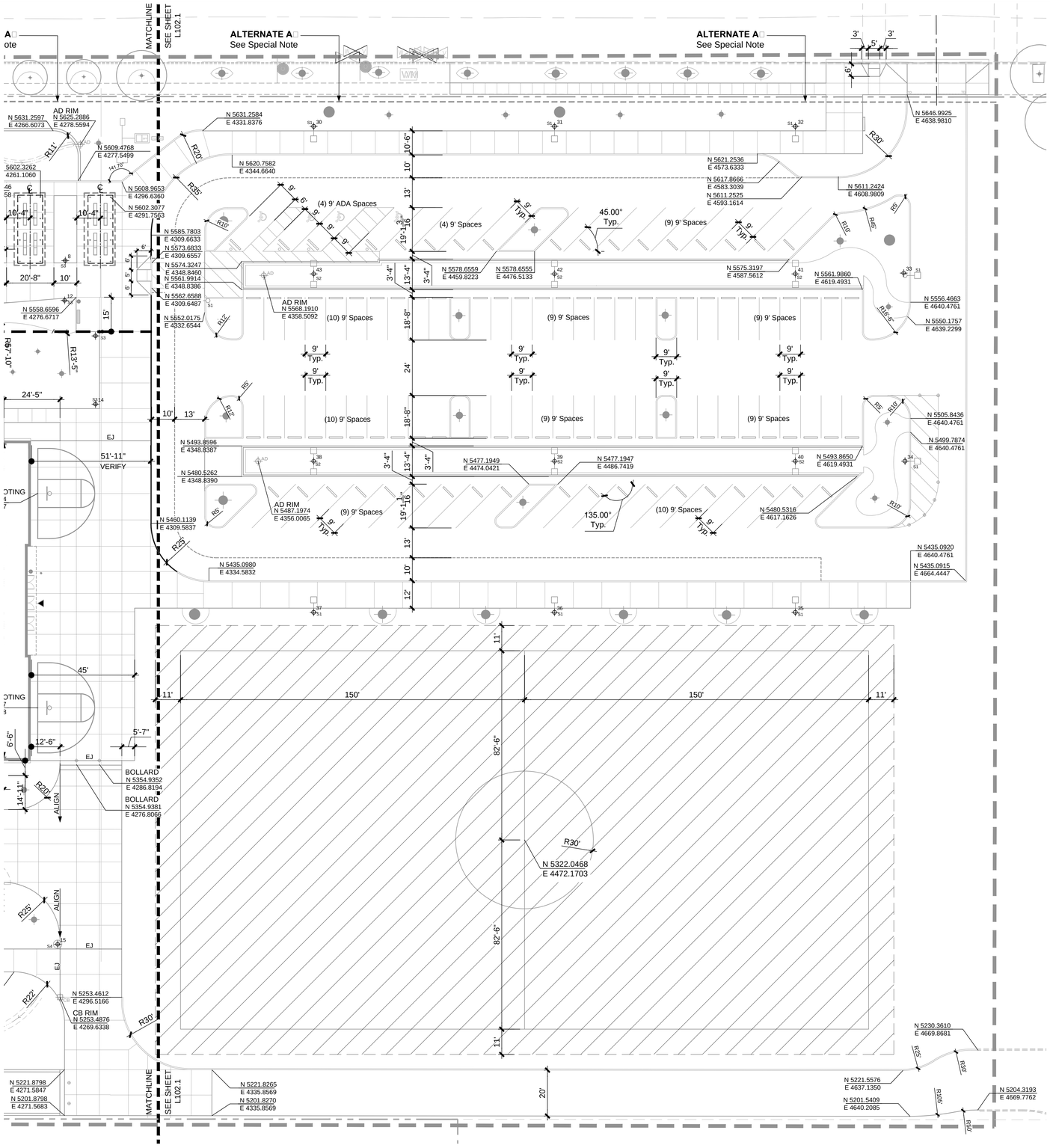
VOLUME: PACKAGE 1
PROJECT NO: 2013912.00
DRAWN BY: NLR / KMK
CHECKED BY: LKG
ORIGINAL SHEET SIZE: 30"x42"

WEST LAYOUT PLAN

L-102.1



SPECIAL NOTE

ALTERNATE A

Base Bid includes improvements to existing 5-ft sidewalk at locations shown on drawings. Alternate includes demo of existing 5-ft sidewalk and replacing with a new 8-ft concrete sidewalk. If Alternate is selected sidewalk expansion will increase concrete areas. Concrete areas will be increased by the following quantities:

C[illegible]**r**[illegible]: + 3920 sf; in addition to the new concrete shown at the 5ft sidewalk included in the base bid.
Base Bid Concrete: 4,593 sf

See Site Plan L101.0, L101.1 and L101.2.

LIGHT SCHEDULE

#	DESCRIPTION	NORTHING	EASTING
1	S1 LIGHT	N 5645.3088	E 3774.4209
2	S1 LIGHT	N 5627.4837	E 3841.6793
3	S1 LIGHT	N 5627.4837	E 3941.6793
4	S1 LIGHT	N 5646.1697	E 4009.0072
5	S3 LIGHT	N 5574.6940	E 4181.4585
6	S3 LIGHT	N 5574.6929	E 4210.6190
7	S3 LIGHT	N 5574.6672	E 4241.2880
8	S3 LIGHT	N 5574.6487	E 4271.9382
9	S3 LIGHT	N 5550.0637	E 4181.4585
10	S3 LIGHT	N 5552.3929	E 4210.6190
11	S3 LIGHT	N 5554.8310	E 4241.1440
12	S3 LIGHT	N 5557.2671	E 4271.6434
13	S3 LIGHT	N 5541.8112	E 4285.1134
14	S3 LIGHT	N 5512.0612	E 4285.1134
15	S4 LIGHT	N 5276.5418	E 4268.6104
16	S4 LIGHT	N 5276.5445	E 4206.4584
17	S4 LIGHT	N 5276.5445	E 4144.3074
18	S4 LIGHT	N 5276.0461	E 4080.1824
19	S4 LIGHT	N 5276.5445	E 4014.3048
20	S4 LIGHT	N 5337.7106	E 3871.3948
21	S4 LIGHT	N 5375.1015	E 3863.5878
22	S4 LIGHT	N 5404.6252	E 3863.6286
23	S4 LIGHT	N 5434.2906	E 3863.6255
24	S4 LIGHT	N 5466.9842	E 3822.8861
25	S4 LIGHT	N 5470.4155	E 3882.4834
26	S4 LIGHT	N 5463.3291	E 3967.0029
27	S4 LIGHT	N 5398.6087	E 3967.9066
28	S4 LIGHT	N 5396.5542	E 4051.8236
29	S4 LIGHT	N 5456.8878	E 4044.8064
30	S1 LIGHT	N 5633.1865	E 4380.2422
31	S1 LIGHT	N 5633.1865	E 4485.2422
32	S1 LIGHT	N 5633.1865	E 4590.2422
33	S1 LIGHT	N 5569.2173	E 4637.4762
34	S1 LIGHT	N 5487.2014	E 4638.0594
35	S2 LIGHT	N 5421.2818	E 4590.2422
36	S2 LIGHT	N 5421.2818	E 4485.2422
37	S2 LIGHT	N 5421.2894	E 4380.2422
38	S2 LIGHT	N 5487.1670	E 4380.2422
39	S2 LIGHT	N 5487.1670	E 4485.2422
40	S2 LIGHT	N 5487.1670	E 4590.2422
41	S2 LIGHT	N 5568.8337	E 4590.2422
42	S2 LIGHT	N 5568.8337	E 4485.2422
43	S2 LIGHT	N 5568.8337	E 4380.2422
44	WALL LIGHT	N 5630.3090	E 4082.9236
45	WALL LIGHT	N 5630.3034	E 4091.7954
46	WALL LIGHT	N 5630.2984	E 4099.7207
47	WALL LIGHT	N 5630.3024	E 4108.9487
48	WALL LIGHT	N 5630.2992	E 4117.4049
49	WALL LIGHT	N 5630.2817	E 4125.9208
50	WALL LIGHT	N 5630.2765	E 4133.9392
51	NOT USED		
52	NOT USED		
53	NOT USED		
54	NOT USED		
55	NOT USED		
56	NOT USED		
57	NOT USED		
58	WALL LIGHT	See Detail 8/L106.2	
59	WALL LIGHT	See Detail 8/L106.2	
60	WALL LIGHT	See Detail 8/L106.2	
61	WALL LIGHT	See Detail 8/L106.2	
62	WALL LIGHT	See Detail 8/L106.2	
63	WALL LIGHT	See Detail 8/L106.2	
64	WALL LIGHT	N 5613.1019	E 4081.8128
65	WALL LIGHT	N 5617.0915	E 4085.8146
66	WALL LIGHT	N 5617.0894	E 4089.8146
67	WALL LIGHT	N 5613.0873	E 4093.8121
68	WALL LIGHT	N 5609.0973	E 4089.8104
69	WALL LIGHT	N 5609.0994	E 4085.8104
70	WALL LIGHT	N 5613.0866	E 4105.8121
71	WALL LIGHT	N 5617.0845	E 4109.8145
72	WALL LIGHT	N 5617.0824	E 4113.8145
73	WALL LIGHT	N 5613.0739	E 4117.8121
74	WALL LIGHT	N 5609.0824	E 4113.8102
75	WALL LIGHT	N 5609.0845	E 4109.8104
76	WALL LIGHT	N 5443.5798	E 3995.5544
77	WALL LIGHT	N 5440.1467	E 3997.5741
78	WALL LIGHT	N 5436.7040	E 3999.5994
79	WALL LIGHT	N 5436.4844	E 4002.0524
80	WALL LIGHT	N 5439.7192	E 4005.1457
81	WALL LIGHT	N 5442.9540	E 4008.2389
82	WALL LIGHT	N 5446.1888	E 4011.3322
83	WALL LIGHT	N 5449.6060	E 4014.5965
84	WALL LIGHT	N 5452.2460	E 4014.3624
85	WALL LIGHT	N 5453.8403	E 4012.6887
86	WALL LIGHT	N 5454.2041	E 4009.4001
87	WALL LIGHT	N 5452.2320	E 4006.1125
88	WALL LIGHT	N 5450.2462	E 4002.8021
89	WALL LIGHT	N 5448.2877	E 3999.5372
90	WALL LIGHT	N 5446.3201	E 3996.2570
91	WALL LIGHT	N 5438.7988	E 3980.1064
92	WALL LIGHT	N 5433.9803	E 3982.5712
93	WALL LIGHT	N 5429.1618	E 3985.0359
94	WALL LIGHT	N 5424.3433	E 3987.5007
95	WALL LIGHT	N 5419.5248	E 3989.9655
96	WALL LIGHT	N 5414.7063	E 3992.4303
97	WALL LIGHT	N 5414.9122	E 4013.8285
98	WALL LIGHT	N 5420.2149	E 4013.8319
99	WALL LIGHT	N 5425.7676	E 4013.8366
100	WALL LIGHT	N 5428.9202	E 4015.2624
101	WALL LIGHT	N 5432.0132	E 4018.4071
102	WALL LIGHT	N 5435.1061	E 4021.5517

LEGEND

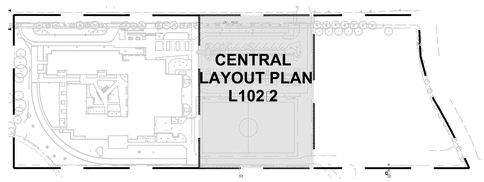
- SITE LIMIT LINE (Approximate)
- PROPERTY LINE
- 15' — DIMENSION
- 15' — DIMENSION From Building Face or Baseline
- R5' — RADIUS All radius 3' unless otherwise noted
- ALIGN — ALIGN WITH ELEMENT
- N 5475.2235 E 5959.0604 — NORTHING/EASTING COORDINATE
- E.Q. — EQUAL
- LIGHTING COORDINATE POINT See Light Schedule See Lighting Plan and Specifications for fixtures
- EJ — EXPANSION JOINT
- EXPANSION JOINT
- Subgrade Field Drainage Area **ALTERNATE A2**

LAYOUT PLAN NOTES

1. All survey information provided by:
   Branch Engineering Inc.
   310 5th Street
   Springfield, OR 97477
   P: 541.746.0637
   F: 541.746.0389
   Date: 02.12.2014
2. Verify existing conditions in the field. Notify Owner's Representative of any discrepancies.
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. Cease layout work and notify Owner's Representative of any discrepancies in project benchmarks, control points, coordinates, dimensions, degrees, locations, stakes, etc. Obtain approval prior to executing any layout work different from that shown or specified.
5. Locate all concrete paving joints as shown on Site and Layout Plans. All concrete paving joints not specifically dimensioned shall be equally spaced between shown or noted limits.
6. All coordinates and dimensions are at face of element (curb, walk, building, or wall) unless noted otherwise.
3. 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. Obtain Owner's Representative's approval prior to installing any related work.
4. See Civil Plans for locations of all drainage structures (deck drains, trench drains, catch basins and area drains). Coordinate exact location with Owner's Representative of concrete edge and jointing locations shown on Site Plan prior to installation.
5. Match new concrete sidewalk to existing sidewalk at nearest joint.
6. **ALTERNATE A**: See Special Note.

SCALE: 1" = 20'

NORTH



PLAN KEY

Robertson|Sherwood|Architects PC mahlum

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REGISTERED 285 LANDSCAPE ARCHITECT OREGON LARRY K. GILBERT

EUGENE SCHOOL DISTRICT 4J

REPLACEMENT ROOSEVELT MIDDLE SCHOOL

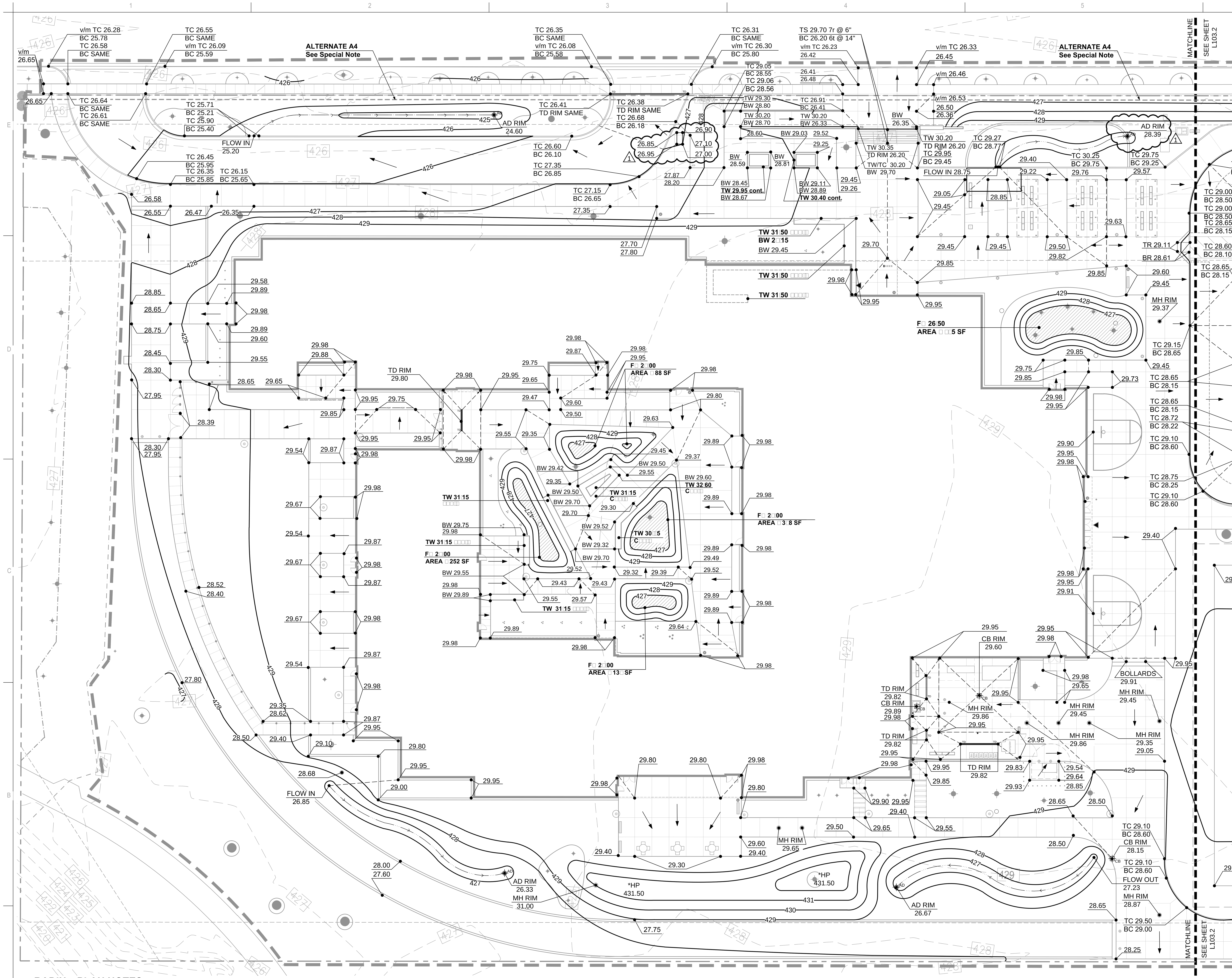
680 EAST 24TH AVENUE
EUGENE, OREGON 97405

MARK	DATE	DESCRIPTION
1	3-06-2015	ADDENDUM 3

ISSUE DATE: FEBRUARY 18, 2015
ISSUE: CONSTRUCTION DOCUMENTS
VOLUME: PACKAGE 1
PROJECT NO: 2013912.00
DRAWN BY: NLR / KMK
CHECKED BY: LKG
ORIGINAL SHEET SIZE: 30"x42"

CENTRAL LAYOUT PLAN

L-102.2



LE□END□

Symbol	Description
	LIMIT OF WORK (Approximate)
	PROPERTY LINE
429	EXISTING CONTOUR
429	PROPOSED CONTOUR
	TREE CENTER
30.40	SPOT ELEVATION
TC 30.40 / BC 29.90	TOP OF CURB ELEVATION / BOTTOM OF CURB ELEVATION
TW 30.40 / BW 29.90	TOP OF WALL ELEVATION / BOTTOM OF WALL ELEVATION
TW 30.40 cont.	TOP OF WALL ELEVATION CONTINUOUS
TS 430.40 / BS 429.90	TOP OF STAIR ELEVATION / BOTTOM OF STAIR ELEVATION
TR 430.40 / BR 429.90	TOP OF RAMP ELEVATION / BOTTOM OF RAMP ELEVATION
v/m 30.40	SPOT ELEVATION Verify/Match Existing Elevation Notify Landscape Architect if match elevation is significant different from shown.
CB Rim 29.50	CATCH BASIN RIM ELEVATION
AD Rim 29.50	AREA DRAIN RIM ELEVATION
TD Rim 29.50	TRENCH DRAIN RIM ELEVATION
HP	HIGH POINT
	BREAK IN PLANE Arrow indicated direction of flow
AD CB	DRAINS See Civil
TD TD	TRENCH DRAIN See Civil
	GRASSY SWALE BASIN & FLOW LINE
	STORMWATER PLANTER BASIN AREA See Civil for overflow inverts

SPECIAL NOTE

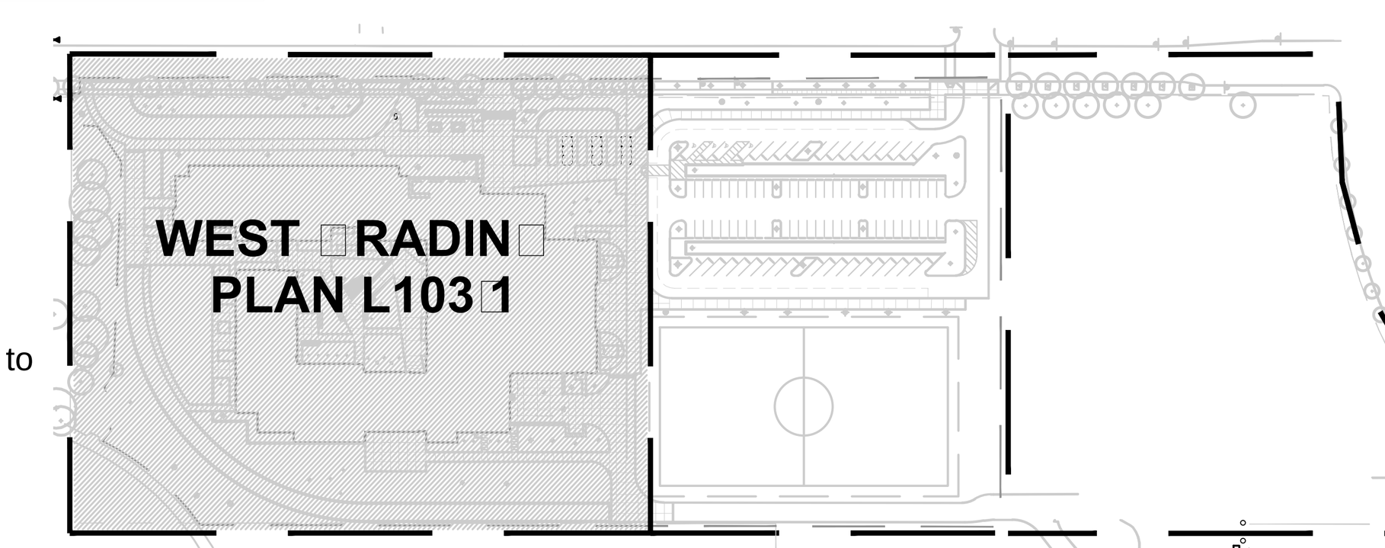
□ALTERNATE A□

Base Bid includes improvements to existing 5-ft sidewalk at locations shown on drawings. Alternate includes demo of existing 5-ft sidewalk and replacing with a new 8-ft concrete sidewalk.

See Site Plan L101.0, L101.1 and L101.2 for Base Bid and Alternate work. Contractor will be provided revised plans with horizontal and vertical controls for new improvements if Alternate is selected.

□RADIN□ PLAN NOTES□

1. All survey information provided by:
   Branch Engineering Inc.
   310 5th Street
   Springfield, OR 97477
   P: 541.746.0637
   F: 541.746.0389
   Date: 02.12.2014
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. Barricade and protect trunks, limbs, roots and root zones beyond dripline of existing trees and plant materials to remain as directed by Owner's Representative. Cut no limbs or roots larger than 2" in diameter without approval of Owner's Representative. Notify Owner's Representative prior to performing any excavation within protection areas.
4. 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. Obtain Owner's Representative approval prior to installing any related work.
5. 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.
6. Verify existing elevations where new work abuts existing to remain. Notify Owner's Representative of any discrepancies prior to any construction.
7. Adjust rim elevations of existing utilities so that rims are flush with finish grade at new paving and lawns.
8. Blend all new elevations back to existing grade to create a uniform slope. Maximum slope, 4:1.
9. Construct smooth transitions between new paving improvements and existing paving to remain.
10. Add 400 to all proposed spot elevations shown on plan. Elevations shown have been modified for clarity.
11□ A□□r□□□□A□□S□□S□□□□□N□□□
12. Refer to Civil and Survey sheets for work within existing easements. Contact EWEB prior to performing any work, including Grading, within Easement.



PLAN KEY

SCALE: 1" = 20' 0' 10' 20' 40' NORTH

Robertson Sherwood Architects mahlum

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REGISTERED LANDSCAPE ARCHITECT 285 LARRY K GILBERT OREGON

EUGENE SCHOOL DISTRICT 4J

REPLACEMENT ROOSEVELT MIDDLE SCHOOL

680 EAST 24TH AVENUE
EUGENE, OREGON 97405

MARK	DATE	DESCRIPTION
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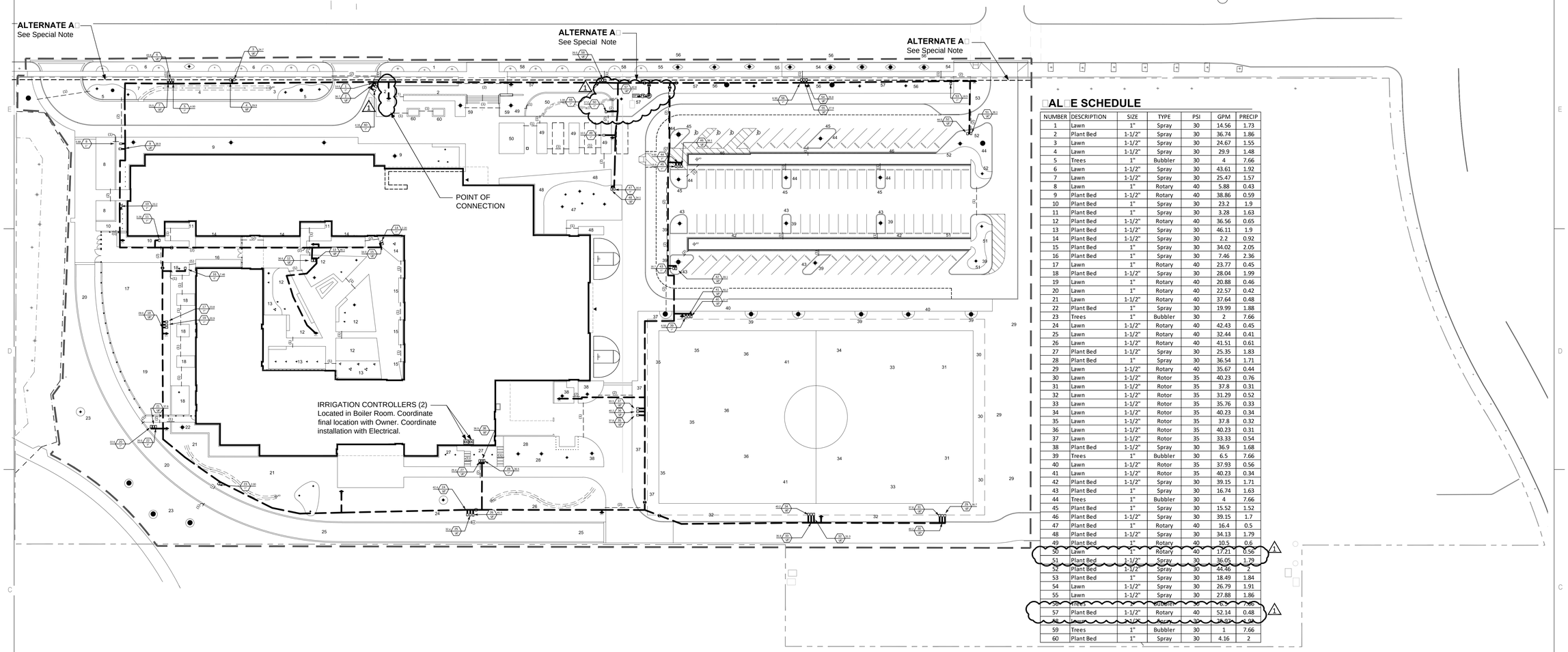
WEST □RADIN□ PLAN

L-103.1



SCHEDULE

NUMBER	DESCRIPTION	SIZE	TYPE	PSI	GPM	PRECIP
1	Lawn	1"	Spray	30	14.56	1.73
2	Plant Bed	1-1/2"	Spray	30	36.74	1.86
3	Lawn	1-1/2"	Spray	30	24.67	1.55
4	Lawn	1-1/2"	Spray	30	29.9	1.48
5	Trees	1"	Bubbler	30	4	7.66
6	Lawn	1-1/2"	Spray	30	43.61	1.92
7	Lawn	1-1/2"	Spray	30	25.47	1.57
8	Lawn	1"	Rotary	40	5.88	0.43
9	Plant Bed	1-1/2"	Rotary	40	38.86	0.59
10	Plant Bed	1"	Spray	30	23.2	1.9
11	Plant Bed	1"	Spray	30	3.28	1.63
12	Plant Bed	1-1/2"	Rotary	40	36.56	0.65
13	Plant Bed	1-1/2"	Spray	30	46.11	1.9
14	Plant Bed	1-1/2"	Spray	30	2.2	0.92
15	Plant Bed	1"	Spray	30	34.02	2.05
16	Plant Bed	1"	Spray	30	7.46	2.36
17	Lawn	1"	Rotary	40	23.77	0.45
18	Plant Bed	1-1/2"	Spray	30	28.04	1.99
19	Lawn	1"	Rotary	40	20.88	0.46
20	Lawn	1"	Rotary	40	22.57	0.42
21	Lawn	1-1/2"	Rotary	40	37.64	0.48
22	Plant Bed	1"	Spray	30	19.99	1.88
23	Trees	1"	Bubbler	30	2	7.66
24	Lawn	1-1/2"	Rotary	40	42.43	0.45
25	Lawn	1-1/2"	Rotary	40	32.44	0.41
26	Lawn	1-1/2"	Rotary	40	41.51	0.61
27	Plant Bed	1-1/2"	Spray	30	25.35	1.83
28	Plant Bed	1"	Spray	30	36.54	1.71
29	Lawn	1-1/2"	Rotary	40	35.67	0.44
30	Lawn	1-1/2"	Rotor	35	40.23	0.76
31	Lawn	1-1/2"	Rotor	35	37.8	0.31
32	Lawn	1-1/2"	Rotor	35	31.29	0.52
33	Lawn	1-1/2"	Rotor	35	35.76	0.33
34	Lawn	1-1/2"	Rotor	35	40.23	0.34
35	Lawn	1-1/2"	Rotor	35	37.8	0.32
36	Lawn	1-1/2"	Rotor	35	40.23	0.31
37	Lawn	1-1/2"	Rotor	35	33.33	0.54
38	Plant Bed	1-1/2"	Spray	30	36.9	1.68
39	Trees	1"	Bubbler	30	6.5	7.66
40	Lawn	1-1/2"	Rotor	35	37.93	0.56
41	Lawn	1-1/2"	Rotor	35	40.23	0.34
42	Plant Bed	1-1/2"	Spray	30	39.15	1.71
43	Plant Bed	1"	Spray	30	16.74	1.63
44	Trees	1"	Bubbler	30	4	7.66
45	Plant Bed	1"	Spray	30	15.52	1.52
46	Plant Bed	1-1/2"	Spray	30	39.15	1.7
47	Plant Bed	1"	Rotary	40	16.4	0.5
48	Plant Bed	1-1/2"	Spray	30	34.13	1.79
49	Plant Bed	1"	Rotary	40	10.5	0.6
50	Lawn	1"	Rotary	40	17.21	0.56
51	Plant Bed	1-1/2"	Spray	30	36.05	1.79
52	Plant Bed	1-1/2"	Spray	30	44.46	2
53	Plant Bed	1"	Spray	30	18.49	1.84
54	Lawn	1-1/2"	Spray	30	26.79	1.91
55	Lawn	1-1/2"	Spray	30	27.88	1.86
56	Trees	1"	Bubbler	30	4	7.66
57	Plant Bed	1-1/2"	Rotary	40	52.14	0.48
58	Lawn	1-1/2"	Rotor	35	34.38	0.58
59	Trees	1"	Bubbler	30	1	7.66
60	Plant Bed	1"	Spray	30	4.16	2

SPECIAL NOTE

ALTERNATE A

Sidewalk expansion will reduce irrigated areas at locations shown on plan. Use smaller radius nozzle to achieve full and even coverage of plant bed. See head schedule for approved nozzle types. Nozzle adjustments will result in additional heads at the following zones:

ZONE 2:
*Reduced plant bed width may require use of Rain Bird MPR nozzles not shown in head schedule.
Total additional heads required = 5

ZONE 3:
Total additional heads required = 6

ZONE 4:
Total additional heads required = 4

ZONE 7:
Total additional heads required = 5

ZONE 53:
Total additional heads required = 1

ZONE 57:
Total additional heads required = 18

IRRIGATION HEAD SCHEDULE

SYMBOL	MANUFACTURER/MODEL	PSI
2Q 2H 2F 4Q 4H 4F	Rain Bird 1800*-U-PRS SQ Series	30
Q T H F	Rain Bird 1800*-U-PRS U8 Series	30
Q T H F	Rain Bird 1800*-U-PRS U10 Series	30
Q T H TQ F	Rain Bird 1800*-U-PRS U12 Series	30
Q T H TQ F	Rain Bird 1800*-U-PRS U15 Series	30
Q H F	Rain Bird 1800*-PRS 5 Series MPR	30
0BHE-VAN 12HE-VAN 10HE-VAN 15HE-VAN	Rain Bird 1800*-PRS ADJ	30
M L V	Hunter MP1000 PROS-CV** Series	40
W W W	Hunter MP2000 PROS-CV** Series	40
W W W	Hunter MP3000 PROS-CV** Series	40
	Hunter MP3500 PROS-CV** Series	40
T	Hunter MP Corner PROS-CV** Series	40
	Hunter RZWS-36-25CV	30

* Use 1806 at Lawn, 1812 at Shrub Planting

** PROS-06 at Lawn, PROS-12 at Shrub Planting

SYMBOL	MANUFACTURER/MODEL	PSI	GPM	RADIUS
2.5	Rain Bird 5006-PC, FC-SAM-R	35	2.17	37'
5.0	Rain Bird 5006-PC, FC-SAM-R	35	4.47	41'

LEGEND

- PROPERTY LINE
- LIMIT OF WORK (Approximate)
- EXISTING TREES To Remain
- NEW TREE CENTER See Planting Plan
- IRRIGATION CONTROLLER See Specifications
- BACKFLOW PREVENTION DEVICE (9 L100.1)
- MASTER VALVE (5 L100.1)
- FLOW SENSOR (5 L100.1)
- ISOLATION VALVE (2 L100.1)
- QUICK COUPLER ASSEMBLY (4 L100.1)
- IRRIGATION MAINLINE Size: 3" throughout, unless noted.
- IRRIGATION SLEEVE 6 inch sleeve at quantity shown in (#). (1 L100.1)
- ZONE CONTROL VALVE ASSEMBLY (3 L100.1)
- 13 ZONE NUMBER
- ZONE CONTROL VALVE CALLOUT (Valve Number, GPM, Valve Size)

IRRIGATION PLAN NOTES

1. All survey information provided by:
   Branch Engineering Inc.
   310 5th Street
   Springfield, OR 97477
   P: 541.746.0637
   F: 541.746.0389
   Date: 02.12.2014
2. 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 Owner's Representative.
3. Barricade and protect trunks, limbs, roots and root zones beyond dripline of existing trees and plant materials to remain as directed by Owner's Representative. Cut no limbs or roots larger than 1.5" in diameter without approval of Owner's Representative. Notify Owner's Representative prior to performing any excavation within protection areas.
4. 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.
5. 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.
6. Locate Irrigation mainline, lateral lines, and valve boxes to avoid conflict with tree plantings.
7. Install spray heads 3" from adjacent pavement, walls, curbs, and planting edges; 6" from curbs in parking areas (3" if aligned with striping).
8. Adjust radius on irrigation heads as necessary to minimize overspray while achieving full and even coverage of planted areas.
9. Verify minimum static pressure of 65 psi at point of connection. Notify Owner's Representative prior to any construction if pressure is lower than 60 psi.
10. Provide all necessary wiring required to make the irrigation system a fully serviceable and operational controlled installation at the completion of the project.
11. Verify all pipe sizing with Schedule 40 Pipe Chart.
12. Mainline is intended to be straight segments with 45° elbows and should follow the adjacent walks as shown.
13. Install irrigation control, common, and communication wire in underground conduit where routing does not follow new or existing mainline.
14. All trenching & excavation within Zone of Protection shown on L100.2 is to be performed with the use of an air spade or by hand. Obtain Owner Representative's approval of trenching & excavation locations and methods prior to performing work.

IRRIGATION NOTES & MAIN LINE PLAN

SCALE: 1" = 40'

NORTH

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www.cameronmccarthy.com

REGISTERED 285 LARRY K. GILBERT LANDSCAPE ARCHITECT OREGON

EUGENE SCHOOL DISTRICT 4J

REPLACEMENT ROOSEVELT MIDDLE SCHOOL

680 EAST 24TH AVENUE
EUGENE, OREGON 97405

MARK	DATE	DESCRIPTION
1	3-06-2015	ADDENDUM 3

ISSUE DATE: FEBRUARY 18, 2015
ISSUE: CONSTRUCTION DOCUMENTS
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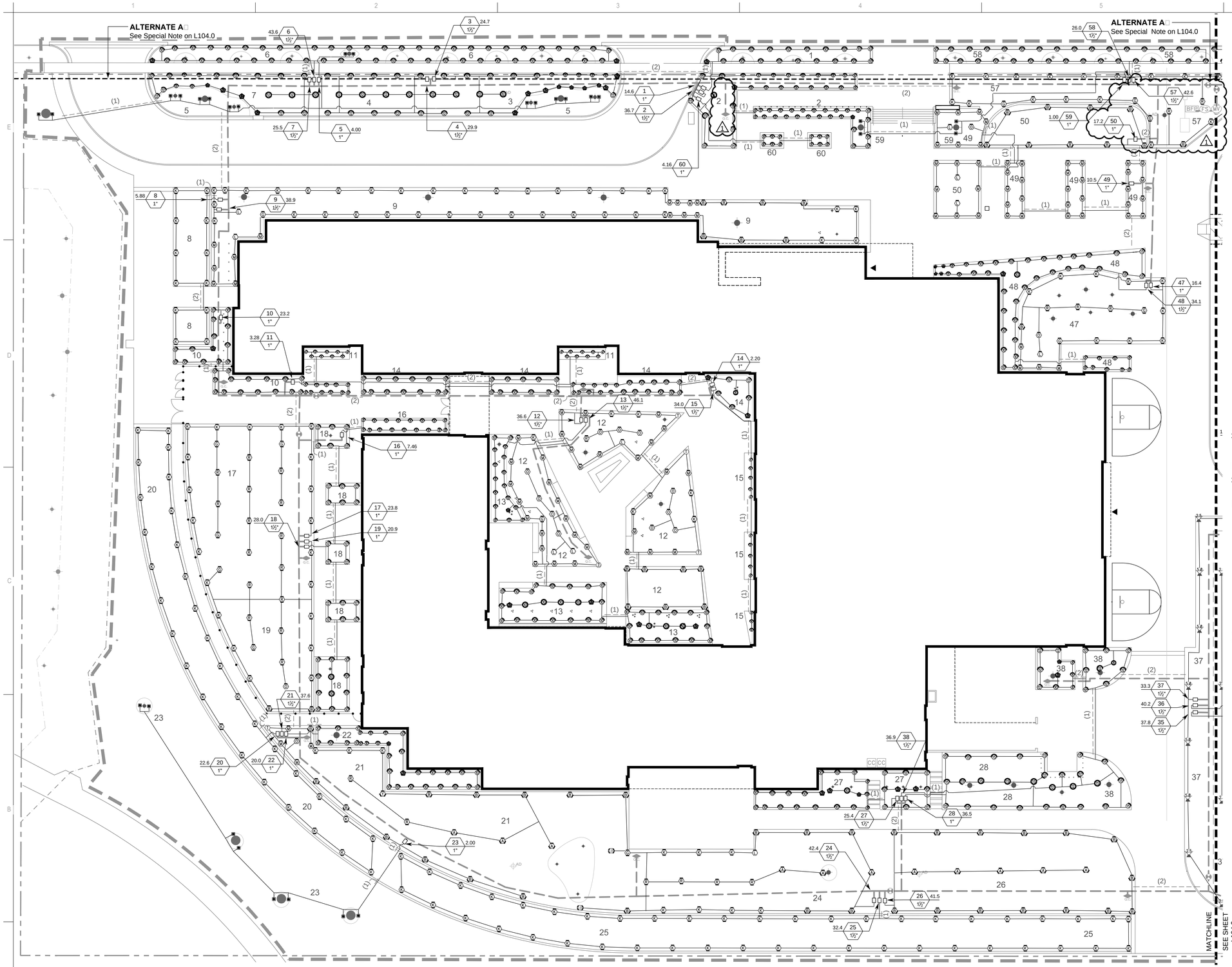
PROJECT NO: 2013912.00
DRAWN BY: NLR / KMK
CHECKED BY: LKG
ORIGINAL SHEET SIZE: 30"x42"

IRRIGATION NOTES & MAIN LINE PLAN

L-104.0



LEGEND

- PROPERTY LINE
- LIMIT OF WORK (Approximate)
- EXISTING TREES To Remain
- NEW TREE CENTER See Planting Plan
- CC — IRRIGATION CONTROLLER See Specifications
- BFP — BACKFLOW PREVENTION DEVICE (9 / 100.0)
- MV — MASTER VALVE (5 / 100.0)
- FS — FLOW SENSOR (5 / 100.0)
- ISOLATION VALVE (2 / 100.0)
- QUICK COUPLER ASSEMBLY (4 / 100.0)
- IRRIGATION MAINLINE Size: 3" throughout, unless noted.
- (1) — IRRIGATION SLEEVE At quantity shown in (#). See Note 14. (1 / 100.0)
- ZONE CONTROL VALVE ASSEMBLY (3 / 100.0)
- 13 — ZONE NUMBER
- Valve Number / GPM / Valve Size — ZONE CONTROL VALVE CALLOUT

VALVE SCHEDULE

1. See Sheet L104.0 for valve schedule

IRRIGATION PLAN NOTES

1. See Sheet L104.0 for all notes

IRRIGATION HEAD SCHEDULE (7 / 100.0; 8 / 100.0; 10 / 100.0)

SYMBOL	MANUFACTURER/MODEL	PSI
2Q 2H 2F 4Q 4H 4F	Rain Bird 1800*-U-PRS SQ Series	30
Q T H F	Rain Bird 1800*-U-PRS U8 Series	30
Q T H F	Rain Bird 1800*-U-PRS U10 Series	30
Q T H TQ F	Rain Bird 1800*-U-PRS U12 Series	30
Q T H TQ F	Rain Bird 1800*-U-PRS U15 Series	30
Q H F	Rain Bird 1800*-PRS 5 Series MPR	30
08HE-VAN 12HE-VAN 10HE-VAN 15HE-VAN	Rain Bird 1800*-PRS ADJ	30
M L U	Hunter MP1000 PROS-CV** Series	40
W G R	Hunter MP2000 PROS-CV** Series	40
B Y A	Hunter MP3000 PROS-CV** Series	40
B	Hunter MP3500 PROS-CV** Series	40
T	Hunter MP Corner PROS-CV** Series	40
	Hunter RZWS-36-25CV	30

* Use 1806 at Lawn, 1812 at Shrub Planting

** PROS-06 at Lawn, PROS-12 at Shrub Planting

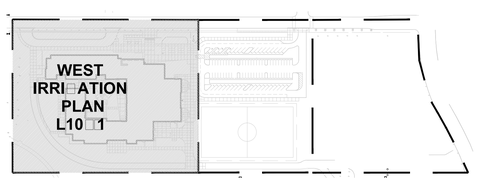
SYMBOL	MANUFACTURER/MODEL	PSI	GPM	RADIUS
2.5	Rain Bird 5006-PC, FC-SAM-R	35	2.17	37'
5.8	Rain Bird 5006-PC, FC-SAM-R	35	4.47	41'

PIPE SIZE SCHEDULE

SCHEDULE 40 PIPE	
GPM	**SIZE**
0-7	3/4"
7-11	1"
11-21	1 1/4"
21-29	1 1/2"
29-49	2"
49-69	2 1/2"
69-110	3"

SCALE: 1" = 20'

NORTH



PLAN KEY

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EUGENE SCHOOL DISTRICT 4J
4J

REPLACEMENT ROOSEVELT MIDDLE SCHOOL

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1	3-06-2015	ADDENDUM 3

ISSUE DATE: FEBRUARY 18, 2015
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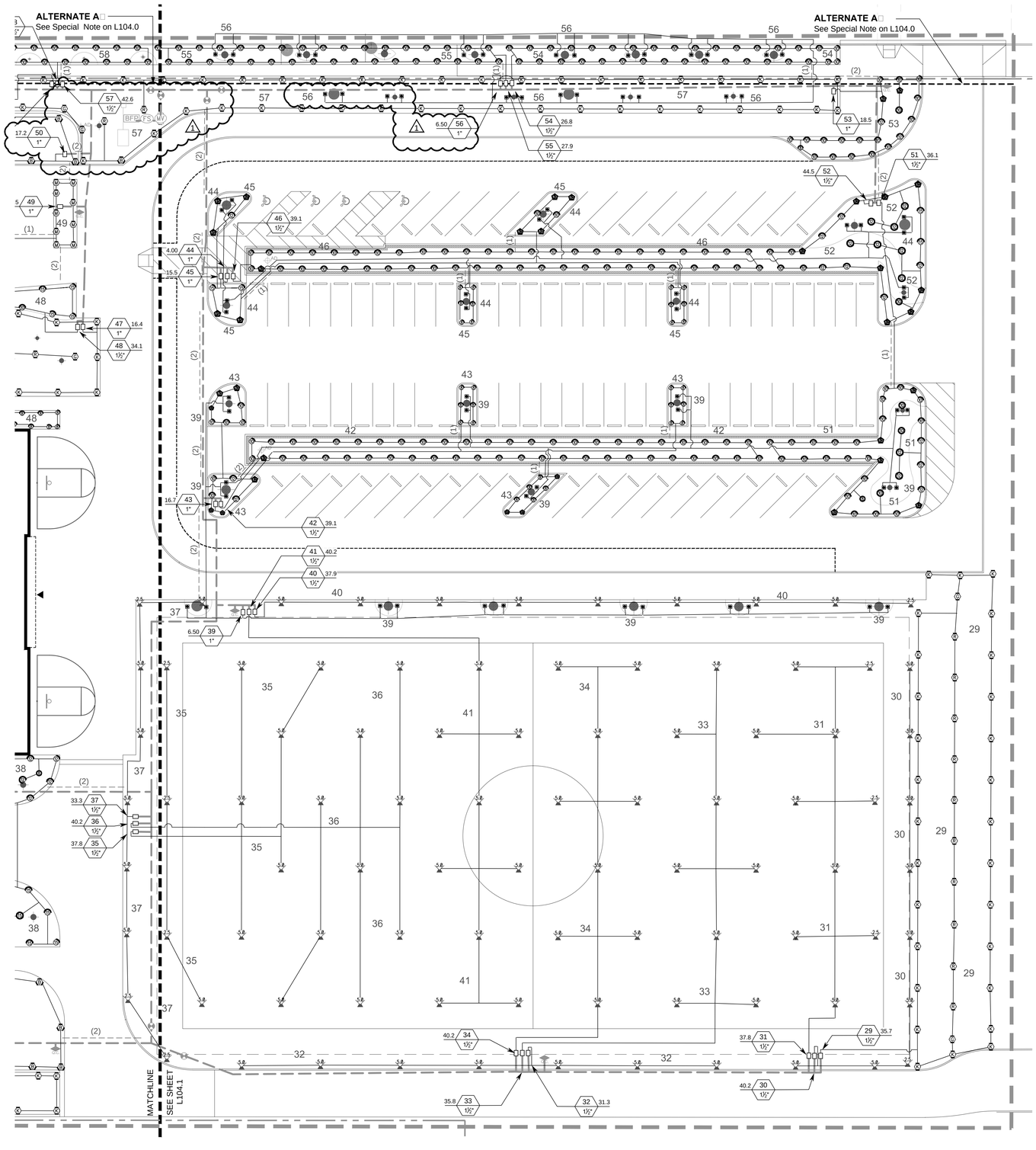
PROJECT NO: 2013912.00
DRAWN BY: NLR / KMK
CHECKED BY: LKG
ORIGINAL SHEET SIZE: 30"x42"

WEST IRRIGATION PLAN

L-104.1



IRRIGATION PLAN NOTES

1. See Sheet L104.0 for all notes

IRRIGATION HEAD SCHEDULE

SYMBOL	MANUFACTURER/MODEL	PSI
2Q 2H 2F 4Q 4H 4F	Rain Bird 1800*-U-PRS SQ Series	30
Q T H F	Rain Bird 1800*-U-PRS U8 Series	30
Q T H	Rain Bird 1800*-U-PRS U10 Series	30
Q T H TQ F	Rain Bird 1800*-U-PRS U12 Series	30
Q T H TQ F	Rain Bird 1800*-U-PRS U15 Series	30
Q H F	Rain Bird 1800*-PRS 5 Series MPR	30
08HE-VAN 12HE-VAN 10HE-VAN 15HE-VAN	Rain Bird 1800*-PRS ADJ	30
M L U	Hunter MP1000 PROS-CV** Series	40
X W	Hunter MP2000 PROS-CV** Series	40
R Y A	Hunter MP3000 PROS-CV** Series	40
3500	Hunter MP3500 PROS-CV** Series	40
T	Hunter MP Corner PROS-CV** Series	40
	Hunter RZWS-36-25CV	30

* Use 1806 at Lawn, 1812 at Shrub Planting

** PROS-06 at Lawn, PROS-12 at Shrub Planting

SYMBOL	MANUFACTURER/MODEL	PSI	GPM	RADIUS
2.5	Rain Bird 5006-PC, FC-SAM-R	35	2.17	37'
5.0	Rain Bird 5006-PC, FC-SAM-R	35	4.47	41'

PIPE SIZE SCHEDULE

SCHEDULE 40 PIPE	
GPM	**SIZE**
0-7	3/4"
7-11	1"
11-21	1 1/4"
21-29	1 1/2"
29-49	2"
49-69	2 1/2"
69-110	3"

LEGEND

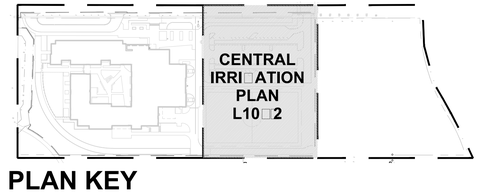
	PROPERTY LINE
	LIMIT OF WORK (Approximate)
	EXISTING TREES To Remain
	NEW TREE CENTER See Planting Plan
CC	IRRIGATION CONTROLLER See Specifications
BFP	BACKFLOW PREVENTION DEVICE (9 L106.1)
MV	MASTER VALVE (5 L106.1)
FS	FLOW SENSOR (6 L106.1)
	ISOLATION VALVE (2 L106.1)
QCC	QUICK COUPLER ASSEMBLY (4 L106.1)
	IRRIGATION MAINLINE Size: 3" throughout, unless noted.
(1)	IRRIGATION SLEEVE At quantity shown in (#). See Note 14. (1 L106.1)
	ZONE CONTROL VALVE ASSEMBLY (3 L106.1)
13	ZONE NUMBER
Valve Number, GPM, Valve Size	ZONE CONTROL VALVE CALLOUT

SCHEDULE

NUMBER	DESCRIPTION	SIZE	TYPE	PSI	GPM	PRECIP
1	Lawn	1"	Spray	30	14.56	1.73
2	Plant Bed	1-1/2"	Spray	30	36.74	1.86
3	Lawn	1-1/2"	Spray	30	24.67	1.55
4	Lawn	1-1/2"	Spray	30	29.9	1.48
5	Trees	1"	Bubbler	30	4	7.66
6	Lawn	1-1/2"	Spray	30	43.61	1.92
7	Lawn	1-1/2"	Spray	30	25.47	1.57
8	Lawn	1"	Rotary	40	5.88	0.43
9	Plant Bed	1-1/2"	Rotary	40	38.86	0.59
10	Plant Bed	1"	Spray	30	23.2	1.9
11	Plant Bed	1"	Spray	30	3.28	1.63
12	Plant Bed	1-1/2"	Rotary	40	36.56	0.65
13	Plant Bed	1-1/2"	Spray	30	46.11	1.9
14	Plant Bed	1-1/2"	Spray	30	2.2	0.92
15	Plant Bed	1"	Spray	30	34.02	2.05
16	Plant Bed	1"	Spray	30	7.46	2.36
17	Lawn	1"	Rotary	40	23.77	0.45
18	Plant Bed	1-1/2"	Spray	30	28.04	1.99
19	Lawn	1"	Rotary	40	20.88	0.46
20	Lawn	1"	Rotary	40	22.57	0.42
21	Lawn	1-1/2"	Rotary	40	37.64	0.48
22	Plant Bed	1"	Spray	30	19.99	1.88
23	Trees	1"	Bubbler	30	2	7.66
24	Lawn	1-1/2"	Rotary	40	42.43	0.45
25	Lawn	1-1/2"	Rotary	40	32.44	0.41
26	Lawn	1-1/2"	Rotary	40	41.51	0.61
27	Plant Bed	1-1/2"	Spray	30	25.35	1.83
28	Plant Bed	1"	Spray	30	36.54	1.71
29	Lawn	1-1/2"	Rotary	40	35.67	0.44
30	Lawn	1-1/2"	Rotor	35	40.23	0.76
31	Lawn	1-1/2"	Rotor	35	37.8	0.31
32	Lawn	1-1/2"	Rotor	35	31.29	0.52
33	Lawn	1-1/2"	Rotor	35	35.76	0.33
34	Lawn	1-1/2"	Rotor	35	40.23	0.34
35	Lawn	1-1/2"	Rotor	35	37.8	0.32
36	Lawn	1-1/2"	Rotor	35	40.23	0.31
37	Lawn	1-1/2"	Rotor	35	33.33	0.54
38	Plant Bed	1-1/2"	Spray	30	36.9	1.68
39	Trees	1"	Bubbler	30	6.5	7.66
40	Lawn	1-1/2"	Rotor	35	37.93	0.56
41	Lawn	1-1/2"	Rotor	35	40.23	0.34
42	Plant Bed	1-1/2"	Spray	30	39.15	1.71
43	Plant Bed	1"	Spray	30	16.74	1.63
44	Trees	1"	Bubbler	30	4	7.66
45	Plant Bed	1"	Spray	30	15.52	1.52
46	Plant Bed	1-1/2"	Spray	30	39.15	1.7
47	Plant Bed	1"	Rotary	40	16.4	0.5
48	Plant Bed	1-1/2"	Spray	30	34.13	1.79
49	Plant Bed	1"	Rotary	40	5.88	0.43
50	Lawn	1"	Rotary	40	17.21	0.56
51	Plant Bed	1-1/2"	Spray	30	36.08	1.75
52	Plant Bed	1-1/2"	Spray	30	44.46	2
53	Plant Bed	1"	Spray	30	18.49	1.84
54	Lawn	1-1/2"	Spray	30	26.79	1.91
55	Lawn	1-1/2"	Spray	30	27.88	1.86
56	Trees	1"	Bubbler	30	6.5	7.66
57	Plant Bed	1-1/2"	Rotary	40	52.14	0.48
58	Lawn	1-1/2"	Spray	30	25.97	1.92
59	Trees	1"	Bubbler	30	1	7.66
60	Plant Bed	1"	Spray	30	4.16	2

SCALE: 1" = 20'

NORTH



PLAN KEY

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ORIGINAL SHEET SIZE: 30"x42"

CENTRAL IRRIGATION PLAN

L-104.2

GENERAL PLANT LIST:

PLANT LIST

Qty	Key	Botanical Name	Common Name	Size	Spacing	Comments
Evergreen Trees						
	ABI GRA	Abies grandis	Grand Fir	8-10 ft.	as shown	full, evenly branched, matched
	MAG GRA	Magnolia grandiflora 'Little Gem'	Dwarf Southern Magnolia	2" ca.	as shown	full, evenly branched, matched
	PIN CON	Pinus contorta var. contorta	Shore Pine	2" ca.	as shown	full, evenly branched, matched
	PSE MEN	Pseudotsuga menziesii	Douglas Fir	8 ft.	as shown	full, evenly branched, matched
	TAX MED	Tasus x media 'Dark Green Pyramidal'	Dark Green Pyramidal Yew	5 ft.	as shown	full, evenly branched, matched
	THU OCC	Thuja occidentalis 'Degroot's Spire'	Degroot's Spire Arborvitae	6-8 ft.	as shown	full, evenly branched, matched
	THU PLI	Thuja plicata	Western Red Cedar	6-8 ft.	as shown	full, evenly branched, matched
Deciduous Trees						
	ACE CIR	Acer circinatum	Vine Maple	see coments	as shown	multi-trunk with a min. 3 stems, 1/2" caliper each
	ACE MON	Acer circinatum 'Monroe'	Cutleaf Vine Maple	see coments	as shown	multi-trunk with a min. 3 stems, 1/2" caliper each
	ACE MAC	Acer macrophyllum	Bigleaf Maple	2" ca.	as shown	full, evenly branched, matched
	ACE PAL	Acer palmatum 'Sagokaku'	Coral Bark Japanese Maple	1.5" ca.	as shown	full, evenly branched, matched
	BET 1	Betula nigra 'Heritage'	Heritage River Birch	see coments	as shown	multi-trunk with a min. 3 stems, 3/4" caliper each
	BET 2	Betula nigra 'Heritage'	Heritage River Birch	see coments	as shown	multi-trunk with a min. 3 stems, 1/2" caliper each
	CER CAN	Cercis canadensis 'Merlot'	Merlot Eastern Redbud	2" ca.	as shown	full, evenly branched, matched
	CHI RET	Chionanthus retusus	Chinese Fringe Tree	1.5" ca.	as shown	full, evenly branched, matched
	CLA KEN	Cladrastis kentukea	American Yellowwood	2" ca.	as shown	full, evenly branched, matched
	COR EDD	Cornus nuttallii x florida 'Eddie's White Wonder'	Eddie's White Wonder Flowering Dogwood	1.5" ca.	as shown	full, evenly branched, matched
	COR NUT	Cornus nuttallii 'Starlight'	Starlight Flowering Dogwood	1.5" ca.	as shown	full, evenly branched, matched
	GIN BIL	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry Ginkgo	2" ca.	as shown	full, evenly branched, matched
	PHE	Phellodendron sacalinense 'His Majesty'	His Majesty Corktree	2" ca.	as shown	full, evenly branched, matched
	QUE BIC	Quercus bicolor	Swamp Oak	2" ca.	as shown	full, evenly branched, matched
	QUE FOK	Quercus frainetto 'Schmidt'	Forest Green Oak	2" ca.	as shown	full, evenly branched, matched
	STE PSE	Stewartia pseudocamellia	Japanese Stewartia	1.5" ca.	as shown	full, evenly branched, matched
	STY JAP	Styrax japonicus 'Jack Snow'	Japanese Snowbell Asiatic	1.5" ca.	as shown	full, evenly branched, matched
	ULM JAP	Ulmus japonica x wilsoniana 'Morton'	Accolade Elm	2" ca.	as shown	full, evenly branched, matched
	ZEL SER	Zelkova serrata 'Halka'	Halka Zelkova	2" ca.	as shown	full, evenly branched, matched
Site Shrubs						
	ARC UVA	Arcstaphylos uva-ursi 'Green Supreme'	Green Supreme Manzanita	#1	12" o.c.	full and bushy
	AUC JAP	Aucuba japonica 'Rozannie'	Rozannie Japanese Aucuba	#3	30" o.c.	matched, full and bushy
	BLE SPI	Blechnum spicant	Deer Fern	#3	24" o.c.	full and bushy
	COR STO	Cornus stolonifera 'Farrow'	Arctic Fire Red Twig Dogwood	#5	3' o.c.	matched, full and bushy
	CRY FAL	Cyrtomium falcatum 'Rochfordianum'	Frochfordianum Hollyfern	#3	24" o.c.	matched, full and bushy
	DRY ERY	Dryopteris erythrosora 'Brilliance'	Brilliance Autumn Fern	#3	30" o.c.	full and bushy
	HAM MOL	Hamamelis mollis 'Pallida'	Yellow Witch Hazel	#3	as shown	full and bushy
	HYD QUE	Hydrangea quercifolia 'Pee Wee'	Pee Wee Hydrangea	#5	48" o.c.	matched, full and bushy
	LON INV	Lonicer involucrata	Twinflower	#5	60" o.c.	matched, full and bushy
	MAH REP	Mahonia repens	Creeping Mahonia	#2	24" o.c.	matched, full and bushy
	PRU LAU	Prunus laurocerasus 'Mt. Vernon'	Mt. Vernon Laurel	#2	36" o.c.	matched, full and bushy
	POL MUN	Polystichum munitum	Sword Fern	#2	36" o.c.	full and bushy
	POL POL	Polystichum polyblepharum	Japanese Tassel Fern	#2	18" o.c.	full and bushy
	POL SET	Polystichum setiferum	Alaskan Fern	#3	30" o.c.	full and bushy
	RHO FIR	Rhododendron 'Firestorm'	Firestorm Rhododendron	B&B or Cont.	18"-24" width	matched, full and bushy
	RHO RAM	Rhododendron 'Ramapo'	Ramapo Rhododendron	B&B or Cont.	18"-24" width	matched, full and bushy
	RHO UNI	Rhododendron 'Unique'	Unique Rhododendron	B&B or Cont.	18"-24" width	matched, full and bushy
	RHO YAK	Rhododendron 'Yaku Princess'	Yaku Princess Rhododendron	B&B or Cont.	24"-30" width	matched, full and bushy
	RIB SAN	Ribes sanguineum 'King Edward IIV'	King Edward IIV Red Flowering Currant	#3	48" o.c.	full and bushy
	SAR RUS	Sarcocca rustifolia	Fragrant Sweet Box	#3	36" o.c.	matched, full and bushy
	TAX BAC	Taxus baccata 'Repadens'	Spreading English Yew	#3	30" o.c.	matched, full and bushy
Perennials/Grasses/Groundcovers/Bulbs/Vines						
	ASA CAU	Asarum caudaum	Wild Ginger	4-inch	9" o.c.	full and bushy
	CAL KAR	Calamagrostis x acutiflora 'Karl Foerster'	Feather Reed Grass	#1	30" o.c.	full and bushy
	CAR ALB	Carex albula	Frosty Curls Sedge	#1	20" o.c.	full and bushy
	CAR DOL	Carex dolichostachya 'Kaga-nishiki'	Kaga-nihsiki Sedge	#1	18" o.c.	full and bushy
	CAR MOR	Carex morrowii 'Ice Dance'	Ice Dance Sedge	#1	18" o.c.	full and bushy
	HEM A	Hemerocallis 'Alabama Jubilee'	Alabama Jubilee Daylily	#2	20" o.c.	red flower, tall
	HEL ORI	Helleborous orientalis	Lenton Rose	#1	24" o.c.	full and bushy
	HYD ANO	Hydrangea anomala petiolaris	Climbing Hydrangea	#3	as shown	
	IRI TEN	Iris tenax	Oregon Iris	#1	8" o.c.	full and bushy
	LIR MUS	Liriopy muscari 'Big Blue'	Big Blue Lilyturf	#1	12" o.c.	full and busy
	NAR KIN	Narcissus 'King Alfred'	King Alfred Daffodil	bulb	12" o.c.	
	PEN HAM	Pennisetum alopecuroides 'Hameln'	Hameln Fountain Grass	#3	30" o.c.	full and bushy
	PEN LIL	Pennisetum alopecuroides 'Little Honey'	Little Honey Dwarf Fountain Grass	#3	16" o.c.	full and bushy
	RUD FUL	Rudbeckia fulgida 'Goldstrum'	Black Eyed Susan	#1	30" o.c.	full and bushy

STORMWATER FACILITY PLANT LIST:

Qty	Key	Botanical Name	Common Name	Size	Spacing	Comments
Stormwater Trees						
	ACE CIR	Acer circinatum	Vine Maple		as shown	multi-trunk with a min. 3 stems, 1/2" caliper each
	ACE MAC	Acer macrophyllum	Bigleaf Maple	2" ca.	as shown	full, evenly branched, matched
	ALN 1	Alnus rubra	Red Alder	1.5" ca.	as shown	full, evenly branched, matched
	ALN 2	Alnus rubra	Red Alder	3/4" ca.	as shown	full, evenly branched, matched
	AME GRA	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	1.5" ca.	as shown	full, evenly branched, matched
	NYS SYL	Nyssa Sylvatica 'Wildfire'	Wildfire Blackgum	1.5" ca.	as shown	full, evenly branched, matched
Stormwater Shrubs, Grasses, & Bulbs						
	CAM QUA	Camassia quamash	Camas	#1	24" o.c.	
	CAR DEN	Carex densa	Dense Sedge	#1	18" o.c.	Full and Bushy
	IRI TEN	Iris Tenax	Oregon Iris	#1	24" o.c.	
	JUN PAT	Juncus patens	California Rush	#1	18" o.c.	full and bushy

LANDSCAPE PLAN NOTES:

1. All survey information provided by:
   Branch Engineering Inc.
   310 5th Street
   Springfield, OR 97477
   P: 541.746.0637
   F: 541.746.0389
   Date: 02.12.2014
2. 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 Owner's Representative.
3. Do not install any plant materials until Owner's Representative has reviewed and approved irrigation system installation, area coverage balancing, soil preparation and finish grading. Refine the shape and finish grade of plant beds as directed by Owner's Representative.
4. Protect all existing trees and plant materials to remain including limbs, trunks, roots and root zones. Protect trunks, limbs, roots, and root zones at drip line of existing trees and plant materials to remain as directed by Owner's Representative. Cut no limbs or roots larger than 1.5" in diameter without approval of Owner's Representative. Sharp pruning equipment such as saws and loppers must be used for roots greater than 1" diameter. Roots shall be cut with approved saws.
5. Finish grade is top of soil. Mulch is in addition.
6. Prune all new plant materials as directed by Owner's Representative.
7. Make minor adjustments in tree spacing as necessary to accommodate the irrigation system as installed.
8. Where new lawn abuts existing, provide a smooth transition and make repairs as necessary to existing lawn.
9. Triangle space all shrubs and groundcovers, unless otherwise noted.
10. Trees, shrubs, and groundcovers planted too deeply will not be accepted. See typical planting details.
11. In addition to improvements shown, repair all areas disturbed or damaged by construction impacts to the condition that existed prior to construction.

STORMWATER TABULATIONS:

RAIN GARDEN 1: At Courtyard
TOTAL FACILITY SURFACE AREA PROVIDED = 88 SF

PLANTING SCHEME: I

GROUNDCOVER PLANTS REQUIRED:
Facility Surface Area Coverage Required = 100%
Plants Required:
(4" pots, 12-inches o.c.) 88
Surface Area Coverage Provided = 100%
Plants Provided:
(1 gallon plants, 18-inches o.c.) 44

RAIN GARDEN 2: At Courtyard
TOTAL FACILITY SURFACE AREA PROVIDED = 377 SF

PLANTING SCHEME: I

GROUNDCOVER PLANTS REQUIRED:
Facility Surface Area Coverage Required = 100%
Plants Required:
(4" pots, 12-inches o.c.) 377
Surface Area Coverage Provided = 100%
Plants Provided:
(1 gallon plants, 18-inches o.c.) 174

RAIN GARDEN 3: At Courtyard
TOTAL FACILITY SURFACE AREA PROVIDED = 137 SF

PLANTING SCHEME: I

GROUNDCOVER PLANTS REQUIRED:
Facility Surface Area Coverage Required = 100%
Plants Required:
(4" pots, 12-inches o.c.) 137
Surface Area Coverage Provided = 100%
Plants Provided:
(1 gallon plants, 18-inches o.c.) 64

RAIN GARDEN 4: At Courtyard
TOTAL FACILITY SURFACE AREA PROVIDED = 252 SF

PLANTING SCHEME: I

GROUNDCOVER PLANTS REQUIRED:
Facility Surface Area Coverage Required = 100%
Plants Required:
(4" pots, 12-inches o.c.) 252
Surface Area Coverage Provided = 100%
Plants Provided:
(1 gallon plants, 18-inches o.c.) 104

RAIN GARDEN 5: North of Gym
TOTAL FACILITY SURFACE AREA PROVIDED = 795 SF

PLANTING SCHEME: I

GROUNDCOVER PLANTS REQUIRED:
Facility Surface Area Coverage Required = 100%
Plants Required:
(4" pots, 12-inches o.c.) 795
Surface Area Coverage Provided = 100%
Plants Provided:
(1 gallon plants, 18-inches o.c.) 327
Trees Provided: 6

RAIN GARDEN 6: At Parking Lot
TOTAL FACILITY SURFACE AREA PROVIDED = 1,335 SF

PLANTING SCHEME: I

GROUNDCOVER PLANTS REQUIRED:
Facility Surface Area Coverage Required = 100%
Plants Required:
(4" pots, 12-inches o.c.) 1,335 SF
Surface Area Coverage Provided = 100%
Plants Provided:
(1 gallon plants, 18-inches o.c.) 528
Trees Provided: 1

RAIN GARDEN 7: At Parking Lot
TOTAL FACILITY SURFACE AREA PROVIDED = 1,480 SF

PLANTING SCHEME: I

GROUNDCOVER PLANTS REQUIRED:
Facility Surface Area Coverage Required = 100%
Plants Required:
(4" pots, 12-inches o.c.) 1,480
Surface Area Coverage Provided = 100%
Plants Provided:
(1 gallon plants, 18-inches o.c.) 583
Trees Provided: 2

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REGISTERED 285 LANDSCAPE ARCHITECT LARRY K. GILBERT OREGON

EUGENE SCHOOL DISTRICT 4J

REPLACEMENT ROOSEVELT MIDDLE SCHOOL

680 EAST 24TH AVENUE
EUGENE, OREGON 97405

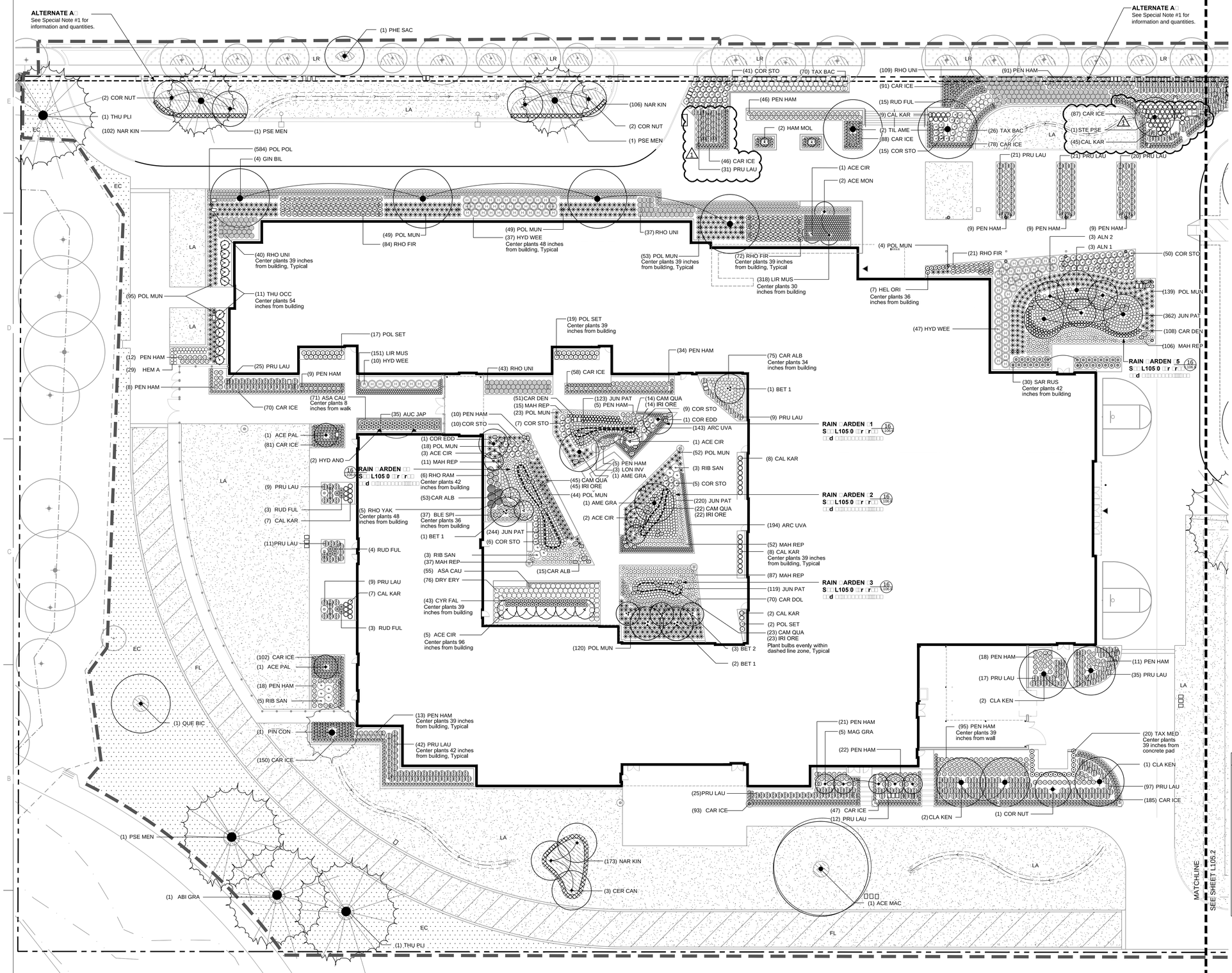
MARK	DATE	DESCRIPTION
1	3-06-2015	ADDENDUM 3

ISSUE DATE: FEBRUARY 18, 2015
ISSUE: CONSTRUCTION DOCUMENTS
VOLUME: PACKAGE 1

PROJECT NO: 2013912.00
DRAWN BY: NLR / KMK
CHECKED BY: LKG
ORIGINAL SHEET SIZE: 30"x42"

GENERAL NOTES & PLANT LIST

L-105.0



LEGEND

- PROPERTY LINE
- LIMIT OF WORK (Approximate)
- EXISTING TREES To Remain
- PROPOSED DECIDUOUS TREE See Tree List (6, L106)
- PROPOSED EVERGREEN TREE See Tree List (5, L106)
- LANDSCAPE PLANTINGS See Site Plan for mulch type (7, L106)
- GRASSY SWALE BASIN & FLOW LINE See Civil
- BULB PLANTING See Plant List for spacing
- LA — LAWN AREA
- FL — REINFORCED LAWN AT FIRE LANE (7, L106; 12, L106)
- LR — LAWN REPAIR
- EC — ECO-LAWN
- MULCH ONLY AREA
- BASALT ACCENT STONE "S" - Small, "M" - Medium, See Specifications (9, L106)
- IRRIGATION VALVE BOX See Irrigation Plan
- SITE LIGHTING See Electrical, Lighting Plan and Layout Plan

SPECIAL NOTE

PLANT SPACIN

Hold plantings back at plant bed edges, buildings, walls, and at plant beds in parking lot where car doors swing. Allow 6" unplanted space plus 1/2 the on center spacing from edge of paving to plant center at plant bed edges. At all other locations (buildings, walls, and plant beds in parking lots where car doors will swing) allow 24" unplanted space plus 1/2 the on center spacing from face of building, wall or curb to center of plants along those edges.

SPECIAL NOTE

ALTERNATE A

Sidewalk expansion will reduce landscaped areas at locations shown on plan. Plant quantities will be reduced by 1 row for all species except for Carex species. Reduce Carex plantings by 2 rows. See drawings for additional notes on 'Alternate A4 Adjustment.' Overall plant quantities will be reduced as follows:

SITE SHRUBS:

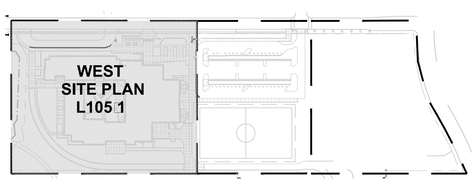
- Cornus stolonifera 'Farrow' (COR STO) = -17
- Prunus laurocerasus 'Mt. Vernon' (PRU LAU) = -30
- Rhododendron 'Unique' (RHO UNI) = -24
- Rhododendron 'Firestorm' (RHO FIR) = -12
- Taxux baccata 'Repadens' (TAX BAC) = -35

PERENNIALS / GRASSES / GROUNDCOVERS / BULBS / VINES

- Carex morrowii 'Ice Dance' (CAR MOR) = -120
- Pennisetum alopecuroides 'Hameln' (PEN HAM) = -30

SCALE: 1" = 20'

NORTH



PLAN KEY

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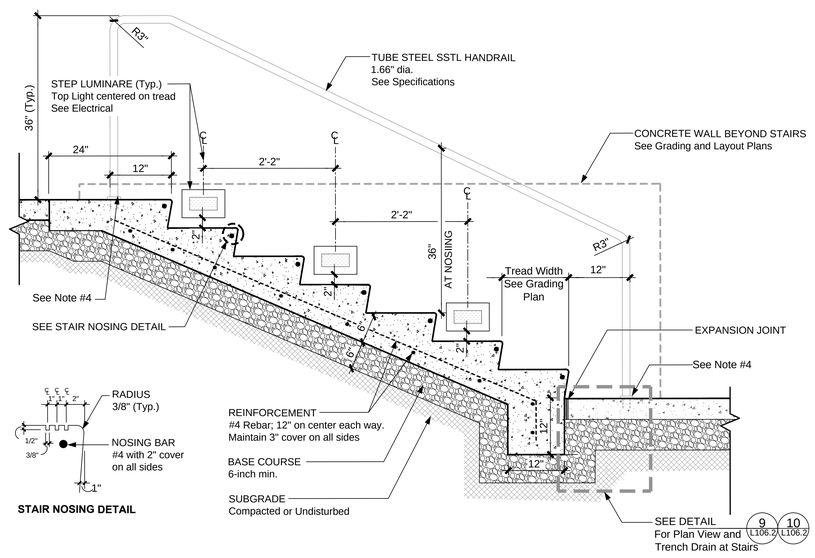
WEST LANDSCAPE PLAN

L-105.1



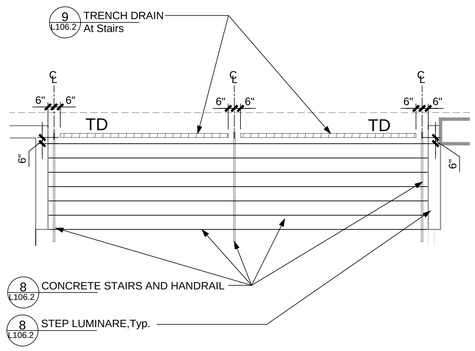
STAIR NOSING DETAIL

NOTES

1. See Grading Plan for stair riser/tread relationship.
2. Construct stair nosing to confrom with ADA Standard '4.93' Nosing.
3. Provide positive drainage at each stair tread. 2% maximum slope.
4. Core drill holes into concrete sidewalk to receive handrail posts. Grout in place. Install covershoe at surface and epoxy in place.

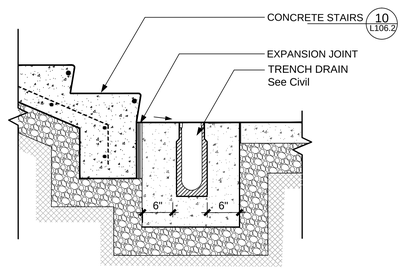
CONCRETE STAIRS AND HANDRAIL

NTS 8



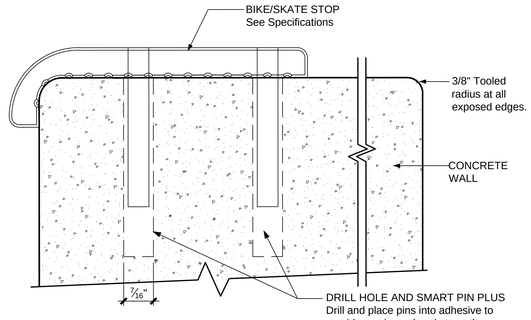
CONCRETE STAIRS, HANDRAIL & TRENCH DRAIN PLAN

NTS 10



TRENCH DRAIN
At Concrete Stairs

NTS 9

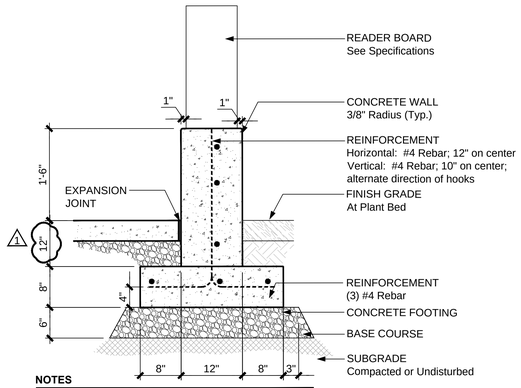


NOTES

1. Drill and epoxy mounting pins into predrilled holes per manufacturers specifications.
2. Spacing: Coordinate bike/skate stop locations with Owner's Representative prior to construction. In general, spacing to be approx. 36" on center. Do not install product at grout joint.

BIKE/SKATE STOP

NTS 5

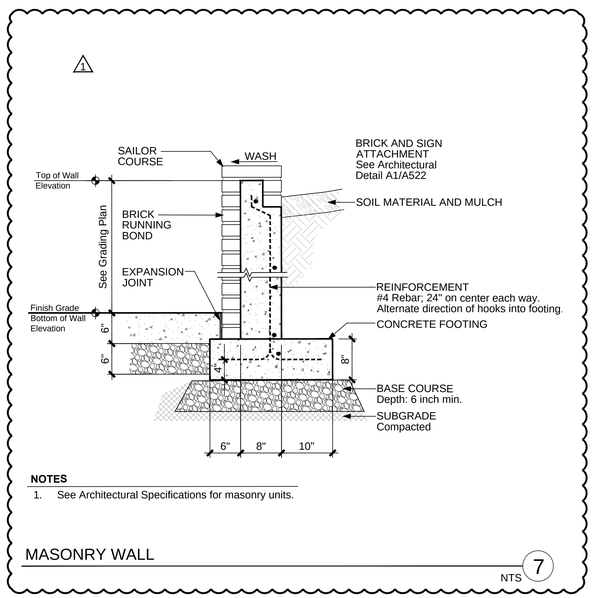


NOTES

1. See Grading Plan for Top of Wall elevation.
2. See Specifications for finish.
3. Sand Caulk at expansion joints.

READER BOARD

NTS 6

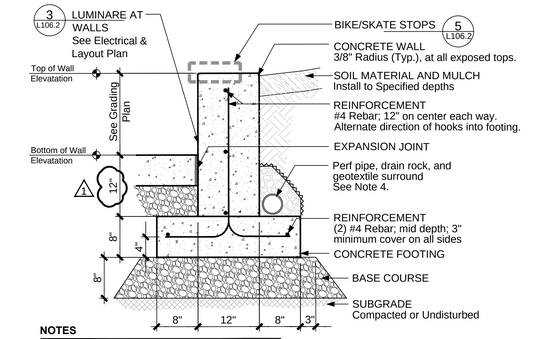


NOTES

1. See Architectural Specifications for masonry units.

MASONRY WALL

NTS 7

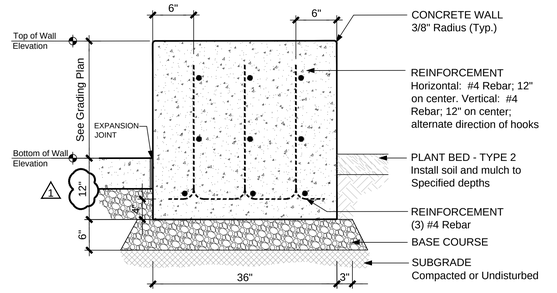


NOTES

1. See Grading Plan for Top of Wall elevation.
2. Refer to specifications for finishing site walls.
3. Sand Caulk at expansion joints.
4. Maintain positive slope to drain to storm drain.

CONCRETE WALL

NTS 1

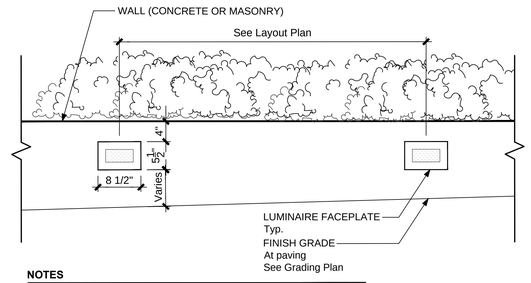


NOTES

1. See Grading Plan for Top of Wall elevation.
2. See Specifications for wall finish.
3. Sand Caulk at expansion joints.

CONCRETE SEAT WALL - TYPE 2
At Interior Courtyard

NTS 2

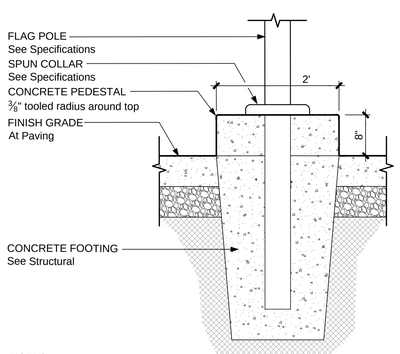


NOTES

1. See Electrical Plan.
2. See Layout Plan for location of fixtures.
3. Confirm fixture layout with Landscape Architect prior to installation.

LUMINARE AT WALLS

NTS 3



NOTES

1. See Specifications.
2. Install per manufacturer's recommendations.

FLAG POLE CONCRETE PEDESTAL

NTS 4

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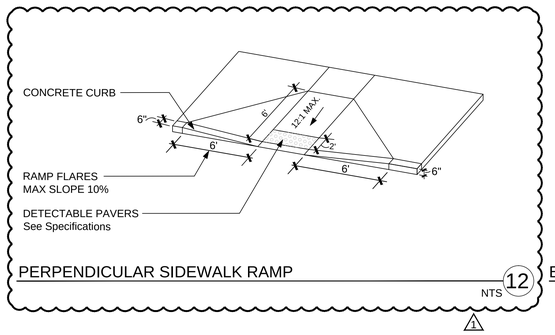
CHECKED BY:	LKG

ORIGINAL SHEET SIZE: 30"x42"

SITE DETAILS

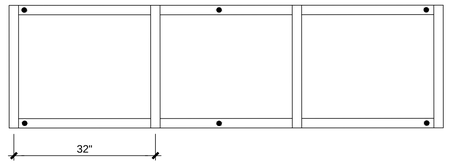
L-106.2



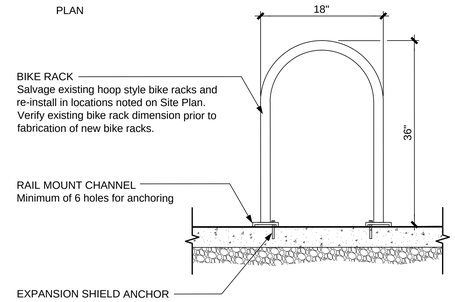
PERPENDICULAR SIDEWALK RAMP

NTS 12

1



PLAN

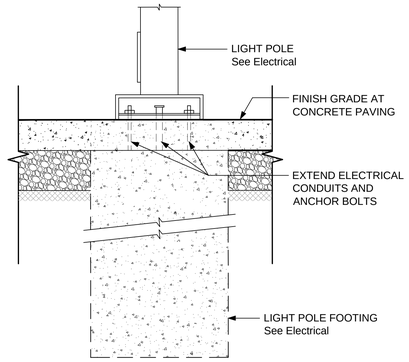


NOTES

1. Salvage existing 14 bike racks (bike parking spaces for 110) for re-installation. Sand blast and prepare racks for new blue powder coating finish per painting Specifications 09 90 00. Verify color with Architect. Provide new anchors.
2. New bikes to match existing. Detail provided for reference only.Verify sizes of existing bike racks. Color/Finish: Powder coat new blue. See painting Specifications 09 90 00. Verify color with Architect.

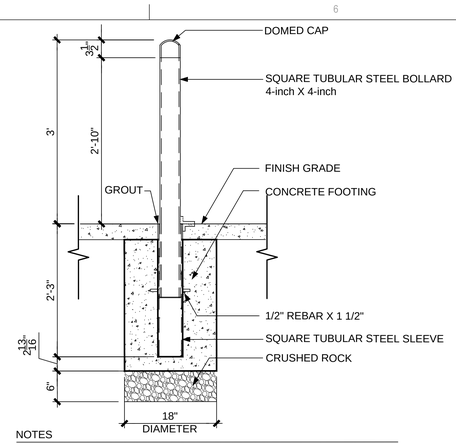
BIKE RACK - (SIMILAR TO EXISTING)

NTS 9



LIGHT POLE FOOTING - AT PAVEMENT

NTS 5

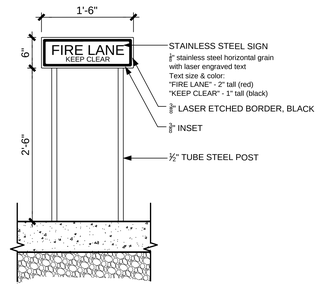


NOTES

1. Installation to be completed in accordance with manufacturers specifications.

REMOVABLE BOLLARD

NTS 1

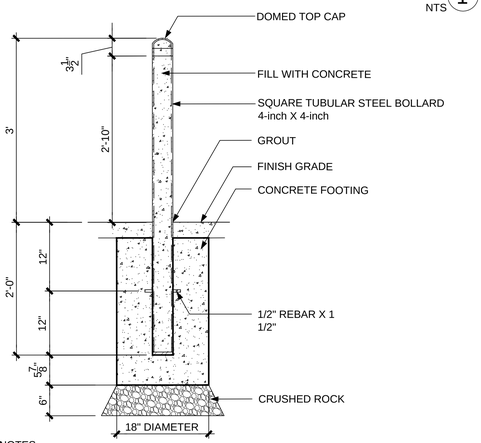


NOTES

1. Weld (6) metal metal studs, inset 3/4" from edge, on back of sign for anchoring into concrete walls or walk. Locate at corners and center of sign.
2. Epoxy signs into walls or concrete paving.
3. Refer to Site Plan for sign locations. Install signs along walk edge where lcoated in concrete paving. Coordinate final location with Owner's Representative prior to installation.

FIRE LANE MARKER

NTS 6

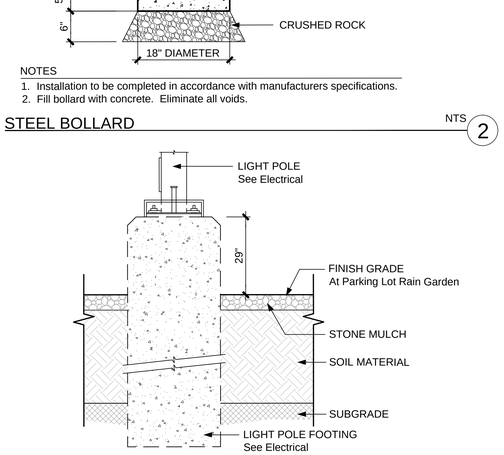


NOTES

1. Installation to be completed in accordance with manufacturers specifications.
2. Fill bollard with concrete. Eliminate all voids.

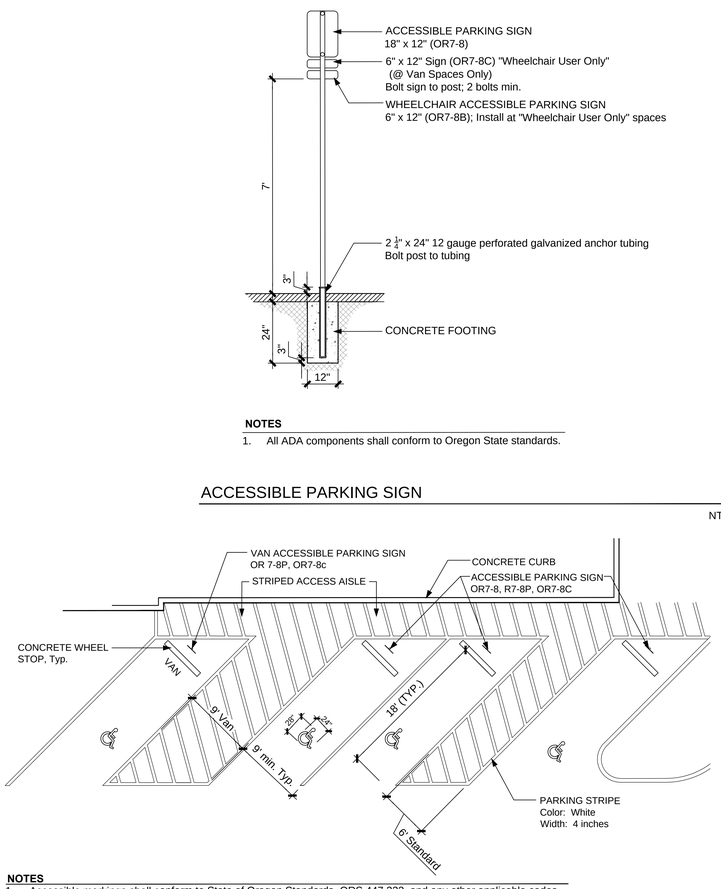
STEEL BOLLARD

NTS 2



LIGHT POLE - ABOVE GRADE
At Parking Lot Rain garden

NTS 3



NOTES

1. All ADA components shall conform to Oregon State standards.

ACCESSIBLE PARKING SIGN

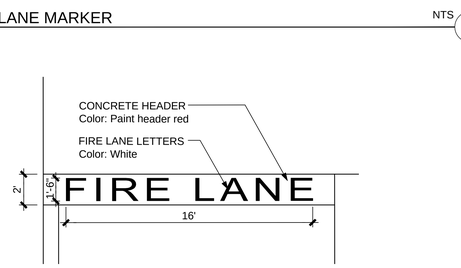
NTS 10

NOTES

1. Accessible markings shall conform to State of Oregon Standards, ORS 447.233, and any other applicable codes.

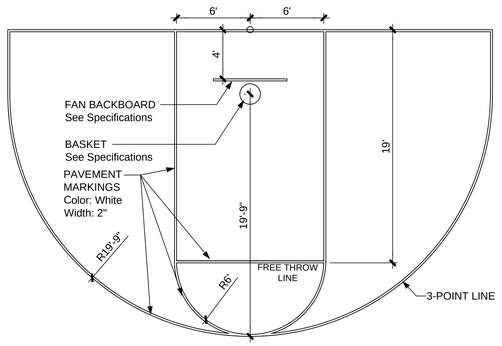
ACCESSIBLE PARKING SPACE - PLAN

NTS 11



FIRE LANE MARKINGS

NTS 7

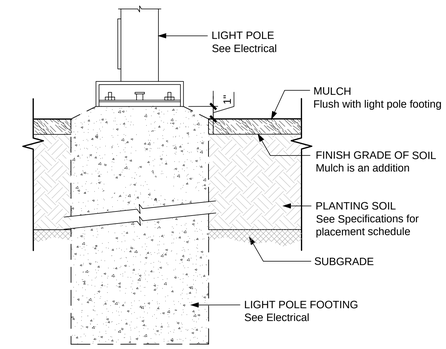


NOTES

1. Basketball court paving markings. Suitable for concrete paving. Color: White

BASKETBALL COURT STRIPING

NTS 8



LIGHT POLE FOOTING - AT PLANT BED

NTS 4

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