This addendum forms a part of the Contract Documents and modifies the original Documents dated **April 5, 2023,** as noted below. Acknowledge receipt of this addendum in the space provided on the Official Bid Form. Failure to do so may subject the Bidder to disqualification.

ADD SPECIFICATION SECTION 32 8400 – PLANTING IRRIGATION
Add Specification Section 32 8400 - Planting Irrigation, **in its entirety**.

ADD SPECIFICATION SECTION 32 9113 – PLANTING SOIL PREPARATION
Add Specification Section 32 9100 - Planting Soil Preparation, **in its entirety**.

ADD SPECIFICATION SECTION 32 9300 – PLANTING
Add Specification Section 32 9300 - Planting, **in its entirety**.

REVISIONS TO PROJECT DRAWINGS G1.01 – COVER SHEET
Updated governing codes section to reflect current dates.

REVISIONS TO PROJECT DRAWINGS C5.0 – SITE UTILITY PLAN
Changes to sanitary sewer line requirements.

REVISIONS TO PROJECT DRAWINGS L1 – PLANTING PLAN
Changes to planting and seeding layout.

REVISIONS TO PROJECT DRAWINGS L2 – IRRIGATION PLAN
Changes to valves, lateral line placement and sizing, sprinkler layout and sleeving.

ADD BOLI PREVAILING WAGE RATES AMENDMENT DATED APRIL 5, 2023
Add BOLI Prevailing Wage Rates Amendment Dated April 5, 2023, **in its entirety**.

PRE-BID MEETING SIGN IN SHEET
Please review the attached sign in sheet, if corrections are required, please send them to kristi.nelson@hmkco.org

ATTACHMENTS

SPECIFICATION SECTION 32 8400 – PLANTING IRRIGATION
SPECIFICATION SECTION 32 9113 – PLANTING SOIL PREPARATION
SPECIFICATION SECTION 32 9300 – PLANTING
PROJECT DRAWINGS G0.01 – COVER SHEET
PROJECT DRAWINGS C5.0 – SITE UTILITY PLAN
PROJECT DRAWINGS L1 – PLANTING PLAN
PROJECT DRAWINGS L2 – IRRIGATION PLAN
BOLI Prevailing Wage Rates Amendment Dated April 5, 2023
PreBid Meeting Sign in Sheet

END OF ADDENDUM 1

SECTION 32 84 00
PLANTING IRRIGATION

PART 1 - GENERAL

1.01 SUMMARY

A. Section Includes
1. Providing labor, material and equipment to install the irrigation system and related Work as indicated on the Drawings and includes, but is not necessarily limited to:
   a. Lawn and shrub sprinkler system
   b. Main Line, automatic controller and valves
   c. Sleeve under paving
   d. Balancing and adjusting irrigation system.

1.02 REFERENCES

A. American Society for Testing and Materials (ASTM):
1. ASTM A53: Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
2. ASTM D1784: Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds.
3. ASTM D1785: Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40 and 80.
4. ASTM D2466: Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40.
5. ASTM D2564: Standard Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems.
6. ASTM F656: Standard Specification for Primers for Use in Solvent Cement Joints of Poly (Vinyl Chloride) (PVC) Plastic Pipe and Fittings.

1.03 SUBMITTALS

A. Product Data
1. Submit copies of manufacturer's product data for all materials to be used for this portion of work.

B. Water Pressure Tests:
1. Submit report of water pressure tests at irrigation water supply connection(s).
2. Submit report of irrigation pressure tests for main line prior to backfilling.

C. Closeout Submittals
1. Operation and Maintenance Data
   a. The Landscape Contracting Business shall provide an Irrigation Valve Schedule, laminated on both sides with plastic, for placement inside the appropriate controller cabinet.
   b. The Landscape Contracting Business shall provide a clean, legible print of the final Project Record Drawing with all zones clearly color-coded. The Landscape Contracting Business shall laminate both sides with plastic. Submit to Owner's Representative for approval.
   c. The Landscape Contracting Business shall provide copies of all equipment operation instructions, parts lists, service manuals, specification sheets, warranty information, winterization instructions, precipitation rates for irrigation heads, and circuit operating time for each zone; properly collated, punched and bound in a three (3) ring binder.
   d. Submit project manuals to Owner's Representative for review and approval.
2. Valve and Sprinkler Adjustment Keys:
   a. Provide (2) set of keys to quick couplers (include hose swivel), valve boxes, and controller to Owner.
   b. Provide sprinkler and rotor head adjustment keys.
3. Record documentation:

a. The Landscape Contracting Business shall maintain a current record of all pipe, wire, and equipment placement, and shall record all variations or changes approved by the Owner's Representative. Changes in layout of proposed work shall be recorded on the Record Drawing Set in blue pencil or ink. Additions to the proposed scope of work shall be recorded on the Record Drawing Set in green pencil or ink. Deletions either in the proposed scope of work or by a change in layout shall be recorded on the Record Drawing Set in red pencil or ink.
b. Record drawings must be submitted to the Architect for review and approval.

4. Warranties

1.04 SITE OBSERVATION VISITS

A. Scheduling and Coordination:
1. The Architect shall be notified by the Landscape Contracting Business 48 hours in advance of all site observation visits requested.
2. The Landscape Construction Professional shall be present at each site observation visit.
3. All Work that is to be viewed by the Architect shall be ready and in place. The Architect has the right to have changes made to any or all of the Work.

B. The following site observations will be required for this contract; mainline pressure test, head layout and trenching (to include layout and depth(s), head coverage test, final irrigation punch list.

C. Additional site observation visits may be required by the Architect at any time. If more than one site observation visit is required for a particular portion of Work because of excessive deficiencies (as determined by Owner or Architect), the Landscape Contracting Business shall be charged for additional visits and reports required.

1.05 SITE CONDITIONS

A. Existing Utilities:
1. Locate and identify, with visible marking, existing underground utilities in areas of work. Utilities to remain in place shall be protected during excavation operations.
2. Consult with utility owner for instructions before proceeding if uncharted piping or other utilities are encountered during execution of work.
3. Cooperate with Owner and public or private utility companies in keeping their respective services and facilities in operation. Coordinate temporary interruptions to existing services and facilities and provide temporary utility services.

B. Damages:
1. Any structures or facilities damaged by work of this project shall be restored to equal or better than original condition at the offending Landscape Contracting Business's expense and to the satisfaction of the Owner's Representative.
2. Repair damage caused by leaks or breaks in equipment and materials furnished or installed in this contract for one year after date of final acceptance.

C. Weather Requirements:
1. Do not solvent weld PVC pipe when ambient temperature is below 40ºF or above 95ºF.
2. Do not solvent weld PVC pipe in wet conditions.

D. Site Conditions:
1. Complete removal of materials deleterious to plant growth as indicated in Section 329113 – Soil Preparation prior to start of irrigation installation.
2. Protect Work and materials of this Section and Work and materials of others at all times.
3. Maintain sidewalks and paved areas clean at all times.
4. Restore any established grade changed during the course of this work to original contours.
5. Maintain vehicles and equipment in clean condition to prevent soiling of roads, walks, and other paved or surfaced areas.

1.06 QUALITY ASSURANCE

A. Regulatory Requirements
   1. All work detailed herein and, on the drawings, shall be accomplished in strict accordance with the applicable Local, State and Federal codes and regulations.
   2. The Landscape Contracting Business shall be responsible for obtaining and paying for all necessary permits to accomplish the work described herein.
B. Qualifications
   1. Irrigation Installer: The landscape construction professional as defined in ORS 671.520 and performing work under this section of the contract shall hold a valid landscape contractor's license in accordance with ORS 671.510 to 671.760.
C. Substitutions
   1. Submit requests for product substitution approval to Architect. Substitutions will be permitted only if approved in writing by the Architect.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Storage and Handling Requirements:
   1. Use all means necessary to protect irrigation system materials before, during, and after installation until completion of this Section.
   2. In the event of damage, immediately make all repairs and replacements necessary to the approval of the Architect and at no additional cost to the Owner.

1.08 MAINTENANCE

A. Furnish service and maintenance of entire system until completion and acceptance of landscape planting work.
B. Provide maintenance of plantings until final completion of all landscape work. Clean filter screens in last two heads of each lateral (or for driplines, flush) at completion of installation work, or as necessary to remove all debris.
C. Adjust controller and sprinkler heads as required during maintenance period.
D. After the system has been completed, instruct the Owner/Owner's maintenance personnel in the operation and maintenance of the irrigation system.

1.09 WARRANTIES

A. Equipment Warranty: Provide manufacturer's standard warranty for all specified equipment.
B. Installer's Warranty:
   1. Warranty all irrigation pipes to be free of leaks for one year from the date of final acceptance.
   2. Warranty shall include repair of trench backfill that settles more than 1" and repair of plantings, paving, and improvements damaged by settlement of trench backfill soils during warranty period.
   3. Guarantee all installation against defects in materials and workmanship, which may occur during normal usage for a period of one year after final acceptance of the Work.
   4. System shall be in good working condition, free of debris in lines or heads and with no leaks. All heads plumb and adjusted for complete coverage.
   5. Defects that occur during the guarantee period shall be promptly repaired without cost to the Owner.
   6. Landscape Contracting Business shall not be responsible for damage due to vandalism, negligence of the Owner or Acts of Nature.

PART 2 - PRODUCTS

2.01 GENERAL

A. All proposed materials and equipment of the system shall be new and shall be brands and types as shown in Drawings or as specified herein.

2.02 PVC PIPE

A. Polyvinyl Chloride Plastic (PVC) Pipe: PVC 1120, Type 1, normal impact, I.P.S., N.S.F. approved or accepted substitute.
   1. Main and Lateral (Zone) Lines: Schedule 40 PVC pipe, conforming to ASTM D1784, ASTM D1785 and PS22.
   2. PVC pipe to be new, defect free, continuously and permanently marked with manufacturer's name or trademark, size, schedule and type of pipe.

2.03 PVC PIPE FITTINGS

A. PVC Fittings: PVC 1120, schedule 40, type 1, normal impact, I.P.S., N.S.F. approved meeting requirements of ASTM D2466 or accepted substitute.
B. PVC nipples to be standard weight schedule 80, with molded threads.

2.04 PVC SOLVENT CEMENT

A. For pipe diameter up to 1-1/2": Weld-On 721 blue color, or accepted substitute, meeting N.S.F. approval for Type I and II PVC and requirements of ASTM D2564.
B. For pipe diameter 2" and larger: Weld-On 711 gray color, or accepted substitute, meeting N.S.F. approval for Type I and II PVC and requirements of ASTM D2564.

2.05 PVC PRIMER

A. "Weld-On P70" or approved equal. All approved equals shall meet the requirements ASTM F-656.

2.06 PVC SLEEVES

A. Pipe Sleeves shall be SCH. 40 PVC. All sleeves to be twice the size of passing pipe. All wires to valves to be in separate sleeves, adequate for carrying twice the intended number of wires.

2.07 SPRINKLER HEADS

A. Make, size, type and performance as called out on the drawings.

2.08 LOW VOLUME IRRIGATION

A. Pressure Regulator: TBD
B. Distribution components:
   1. TBD
C. Emission Devices:
   1. TBD

2.10 VALVES AND ACCESSORIES

A. Control Valves: See schedule on the Drawings.
B. Main Line Isolation Valves:
   1. Ball Valves: One piece sealed unit, PVC type, Spears or Equal.
   2. Gate Valves: Brass
   3. Size: Same size as line on which it is installed, unless otherwise indicated on the Drawings.
C. Valve Boxes for Control and Isolation Valves: 12" minimum size box, with locking lid, and with 3" and/or 6" extensions as needed to facilitate required installation.
   1. Valve boxes shall be no closer than 12 inches apart, when multiple valve boxes are placed together.
   2. Manufacturer: Carson, Armor, or approved equal with "T" top lid.
D. Manual Drain Valves: Brass manual valve with "T" stem. Valves shall be 1" size.

E. Quick Coupling Valves: See schedule on the Drawings.
F. Valve Boxes for Quick Coupling Valves and Manual Drain Valves: Carson, Armor, or approved equal, 10” diameter round valve boxes, one box for each valve.
G. Air-relief Valves:
   1. Manufacturer & Model: Nelson ACV200B Air Control Valve with brass base.
   2. Size: Same size as line on which it is installed, unless otherwise recommended by the manufacturer.
H. Pressure Reducing Valve: See Drawings.

2.11 IRRIGATION CONTROLLER

A. Existing irrigation controller to be reused.
B. All new control wires to be installed for proposed irrigation control valves.

2.12 WIRE AND ELECTRICAL CONNECTORS

A. Irrigation Control Wire: Control wire shall be single strand insulated copper wire designed for 24 volts or greater, Type UF, UL approved for direct burial in NEC Class II circuits. Size of wire shall be in accordance with manufacturer's recommendation and shall meet the minimum requirements for operation of the control valves installed, but in no case smaller than number fourteen (14) gauge. Common wire shall be white and control wires shall be red.
B. Electrical connectors: watertight electrical connectors. DBY or DBR by 3M, 'One Step' 20111SP by King Safety or equal as approved by Architect before installation.
C. Locator wire: All main lines to be marked with continuous 14-gauge, single-strand locator wire, with light blue color coating. Provide minimum 3’-0” long coiled loop of locator wire in each valve box.

2.13 OTHER MATERIAL

A. All materials not specifically described but required for a complete and proper irrigation system installation, shall be new and first quality of their respective kinds.
B. Pipe Joint Tape: Minimum of 1/2" Teflon tape intended for use in wrapping threaded PVC and/or galvanized pipe fittings and joints, as required.
C. Drain Rock: 1/4" round clean, washed pea gravel.

PART 3 – EXECUTION

3.01 GENERAL

A. Existing Conditions:
   1. Prior to all work of this Section, carefully inspect the installed work of all other trades and verify that all such work is complete to the point where this installation may properly commence. Do not start work until conditions are satisfactory.
   2. Verify that any existing irrigation systems are operational prior to beginning work.
   3. Report conditions detrimental to operation of irrigation and completion of work.
   4. Start of Work in this Section denotes acceptance of existing conditions.
B. Do not allow work to be covered or enclosed until it has been reviewed, pressure tested, and approved by the Architect.
C. Code Requirements:
   1. Installation of materials and equipment shall be in accordance with manufacturer's written specifications and recommendations, and all local and state codes.
   2. Contractor is responsible for identifying conflicts between manufacturer's written specifications and recommendations, local and state codes, and the Contract Documents.
   3. Contractor shall correct work installed to meet manufacturer’s or code requirements at no additional cost.

D. Minor changes necessary to conform to ground conditions may be made without the Architect's approval. Changes shall be recorded on the Record Drawings.
E. Obtain written permission to shut off any water lines prior to work. Keep disruptions in service to a minimum.

3.02 PIPE TRENCHING

A. Trenching locations shown on Drawing are diagrammatic. Adjust to actual site conditions and ease of trenching.
B. Stake tree locations and route pipe trenches so they do not pass through tree pits.
C. Provide the following depth of backfill over top of pipe:
   1. Lateral Line: 10" minimum
   2. Main Line: 16" minimum
   3. Sleeves under vehicular pavement: 24" minimum
D. Remove debris, trash, rocks, and other foreign material from irrigation trenches.
E. Irrigation lines to have a firm, uniform bearing surface for entire length of each line.
F. Wedging or blocking of pipe other than specified thrust blocking is not permitted.
G. Backfill trenches in layers of not more than 6" in depth and compact each layer.

3.03 PIPE

A. Exercise care in handling and storing pipe and fittings. Materials or portions of materials that are damaged shall be discarded and replaced.
B. Remove foreign matter and dirt from inside pipe or fittings before lowering into trench.
C. Install pipe and fittings per manufacturer's specifications with specified materials. Use Teflon tape on threaded joints.
D. Install locator wire on top side of pipe.
   1. Tape locator wire to pipe at no less than 20'-0" intervals.
   2. Sections of locator wire shall be spliced together with watertight splice connectors, to provide a continuous run.
E. Install concrete thrust blocks at changes of direction for main line pipe 2-1/2" or greater in diameter. Pour a minimum of 1 cubic foot of pre-mixed concrete against pipe and firm soil, in accordance with pipe manufacturer's recommendations.
F. Snake pipe in trenches where applicable to allow for expansion and contraction as recommended by manufacturer.
G. Cut pipe ends square and remove burrs.
H. Repair settlement of backfilled trenches during warranty period and completely restore and repair plantings, paving and other site improvements disturbed by irrigation construction.
I. Carefully clean all pipe of scale, sand, dirt, etc., prior to assembling. Avoid using an excess of cement when making joints. All excess cement shall be continuously wiped off as it appears on the surface of the pipe after making joints. Allow at least 15 minutes set-up curing time before moving or handling.
J. Thoroughly flush pipe through all sections before installing valves, heads, or drains.
K. Provide 2" clearance between all pipes in same trenches.

3.04 IRRIGATION SLEEVES

A. Install sleeves for irrigation lines and/or control wire under pavement prior to placing pavement materials.
   1. Extend sleeves beyond pavement edge a minimum of 6".
   2. If length of required sleeve is greater than the length of a single piece of pipe, solvent weld joints, otherwise sleeves shall be one continuous length of pipe.
B. Tape ends of sleeve closed with a minimum of three layers of duct tape to keep soil out of sleeve until irrigation lines and/or control wire are installed.
C. Permanently attach a single length of 14-gauge locator wire to the entire length of the sleeve.
D. Stake both ends of sleeves with a readily visible stake extending 12" above grade and below grade to the bottom of sleeve. Remove stakes after sleeves are recorded on Record Drawings and after

irrigation lines and/or control wires are installed and inspected.

3.05 SPRINKLER HEAD LOCATION

A. Install irrigation heads of types, sizes, and coverage indicated in Irrigation Legend at locations shown on the Drawings.
   1. Minor changes in head location may be necessary to achieve the required coverage.
   2. Make changes at no additional expense to the Owner.
   3. Notify the Architect for approval prior to making major changes.
   4. Document changes on the Record Drawings.

B. Locate heads no closer than 6” from any adjacent edge of paving, curb, wall, or fence.

C. All heads shall be installed plumb, and set with top of pop-up heads flush with finish grade allowing for bark or sod. Install heads in straight lines to each other where possible.

D. Heads shall be immediately adjusted to keep water off the building and pavement.

3.06 DRAIN VALVES

A. Install manual drain valves at all low points of mainline. Valves shall be accessible through a 4" PVC sleeve and have a 1 cubic foot minimum pea gravel sump to drain into. Provide owner with valve key.

3.07 QUICK COUPLING VALVES

A. Install quick coupling valves on double swing joint assemblies plumb and flush to grade. Angle of nipple relative to main line shall be no more than 45 degrees and no less than 10 degrees. Install quick coupling valves as detailed on the Drawings.

3.08 AUTOMATIC SPRINKLER EQUIPMENT

A. Control Wire:
   1. Wire shall be laid in trenches traveling via the main line whenever possible and attached with electrical tape at 10-foot intervals.
   2. Wire splices to be moisture proof using specified electrical connectors according to manufacturer’s installation instructions. Make splices only in valve boxes. Provide minimum 1'-0" length of coiled slack between wire splices and a 24" expansion loop at each control valve.
   3. All splices shall be noted on as-builds.
   4. All control wire shall have 16 inches minimum cover.
   5. Place communication wire in sleeves when under paving, and in conduit when not in common trench with mainline and/or lateral lines. No taping of wire inside sleeve.
   6. Install 1 extra control wire and 1 extra common wire along entire route of main line.
   7. Connect control valve decoders to irrigation controller according to manufacturer’s instructions.

B. Control Valves:
   1. Valve boxes to be installed with top of box 1/2” above finish grade.
   2. Install valves in box allowing room to perform ongoing maintenance.
   3. Place drain rock in valve box to within 2" of bottom of valve assembly.
   4. A maximum of two one-inch valves may be installed per valve box. Install one control valve assembly per valve box for valves larger than one inch.
   5. Provide jumbo valve box if necessary to allow room for maintenance.

3.09 FLUSHING, TESTING, AND ADJUSTING

A. Thoroughly flush all main and lateral (zone) lines before testing and installation of irrigation heads and before backfilling trenches.

B. Do not install irrigation heads until after main line pressure testing and lateral line leak testing has been completed and approved.

C. Do not backfill irrigation trenches before main line pressure testing and lateral line leak testing has

been completed and approved.

1. Soil may be placed in trenches between fittings and couplings to insure stability of line under pressure.
2. Fittings and couplings must be left uncovered for visual inspection for full period of test.
3. Do not test until last solvent welded joint has had a minimum of 24 hours to set and cure, or longer if required by manufacturer's instructions.

D. Before testing, fill main lines with water and expel air from pipes.

E. In System with Concrete Thrust Blocks:
1. Allow minimum 5 days cure before testing.
2. Allow 3-day cure for high early strength concrete.

F. Main line pressure testing:
1. Minimum Pressure Test on Main Lines, Valves, Joints and Fittings: 100 PSI shall be sustained in the lines for one hour.
2. Close all valves and cap all piping and fittings as necessary to isolate main line and conduct pressure testing.
3. Do not apply pressure tests until after the last solvent weld joint has set up for 24 hours.
4. Testing to be performed with a certified liquid-filled pressure gauge.
5. Perform final pressure test in the presence of the Architect.

G. Lateral (zone) line leak testing:
1. Perform lateral line leak testing for each control valve in numerical sequence, immediately after main line pressure testing has been approved, in the presence of the Architect.
2. Open each control valve, one at a time, under main line dynamic pressure to demonstrate the absence of leaks at valves, pipe joints, and fittings.
3. Tests shall be observed and approved by the Owner's Representative prior to backfill.

H. Where inspected work does not comply with specified requirements or if pressure tests fail, replace rejected work until compliance is achieved.

I. Coverage testing:
1. Change, reset or adjust heads and/or nozzles as required to provide uniform coverage and match final grades.
2. Perform final coverage test by operating each control valve in the presence of the Architect when the irrigation system has been completely installed and adjusted.

J. Locator wires must be tested and approved. Wire tests to be conducted by Owner or designated representative.

K. After work has been tested and is in good working order, trenches shall be backfilled with excavated earth or imported topsoil according to soil preparation specifications.

3.10 CLEAN UP

A. Remove all excess material, equipment and debris from the area and return features and plant material to original condition or better.

END OF SECTION 32 84 00

SECTION 32 91 13
PLANTING SOIL PREPARATION

PART 1 – GENERAL

1.01 SUMMARY
A. Section includes:
1. Soil materials
2. Placing existing and imported topsoil in lawn and planting areas
3. Preparing planting soil materials and areas to be planted

1.02 REFERENCES
A. Definition of Noxious Weed: As designated on State of Oregon Dept. of Agriculture's Noxious Weed List. Species include but are not limited to Blackberry, Canada Thistle, Dandelion, Horsetail, Morning Glory, Nut Sedge, Poison Oak, Rush Grass, Annual Bluegrass, Bermuda Grass, Brome, Crabgrass, Johnson Grass, Nut Grass, and Quack Grass.

1.03 SUBMITTALS
A. Submit written verification of source and type of imported topsoil.
B. Submit analysis of existing (on-site) and imported topsoil from licensed soils testing laboratory for approval prior to reuse of existing topsoil or delivery of imported topsoil. Analysis shall reflect soil collected at source not more than 30 days from time of shipment to site.
C. Submit certification of quantities of topsoil, fertilizer and organic soil amendments delivered to the site.
D. Submit written guarantee of additional fertilizers/organic material as needed to meet the recommendations for plantings.
E. Submit manufacturer's or vender's certified analysis of compost, fertilizers, and soil amendments.

1.04 QUALITY ASSURANCE
A. Regulatory Requirements: Meet State of Oregon licensing requirements for the application of herbicides.
B. Packing and Shipping: Deliver commercial fertilizer in original containers with labels indicating weight, chemical analysis and name of manufacturer.
C. Storage and Protection:
1. Store fertilizers and amendments in dry place and protect from contamination.
2. Protect soil materials from deterioration by moisture, erosion, freezing temperatures, and chemical contamination during storage and handling.
3. Protect existing and new improvements from damage and staining.
4. Provide protective cover and barriers as necessary to prevent damage and staining.
D. Disposal of Waste Material
1. Arrange and pay for removal and disposal off site, of all excavated and waste materials encountered in the work.

1.05 SITE OBSERVATION VISITS
A. Scheduling and Coordination
1. The Architect shall be notified by the Landscape Contracting Business 48 hours in advance of all site observation visits requested.
2. The Landscape Contracting Business shall be present at each site observation visit.
3. All Work that is to be viewed by the Architect shall be ready and in place.
4. The Architect has the right to have changes made to any or all of the Work.
B. Site Observation Meetings
1. Sub-grade Check
2. Topsoil Acceptance
3. Final Grade Check

1.06 SITE CONDITIONS
A. Protection of Existing Site
1. Protect storm drainage lines, site improvements, and underground utilities.
2. Stake location of underground utilities and avoid excavation in these areas beyond safe limits.

3. Hand excavate where required to avoid utility line damage.

B. Environmental Requirements: Prepare soil only when topsoil is not in a wet, muddy, or frozen condition.
C. Complete subgrade preparation prior to placing topsoil.
D. Scheduling: Schedule preparation of areas to be seeded within 48 hours prior to application of seed.

PART 2 – PRODUCTS

2.01 MATERIALS

A. Topsoil
   1. Provide analysis of existing topsoil to Architect for approval if existing soil will be reused and prepared for planting.
      a. Soil sample shall be taken from four different locations on the site at a depth between six and twelve inches.
      b. A written verification describing the sampling locations and process taken shall be provided to the Architect.
      c. Soil test shall include sieve analysis; magnesium, nitrogen, phosphorous, boron, zinc, and potassium levels; soluble salt level; pH.
      d. Test results shall include specific recommendations for soil amendments to adjust the soil to meet the description noted in this section.
   2. Topsoil shall be good grade of sandy loam
      a. 15% – 60% sand
      b. 20% – 60% silt
      c. 5% - 25% clay
   3. It shall be free of noxious weeds, alkali, nematodes, harmful chemicals, debris, weed seeds, roots, waste materials and other material harmful to plant growth.
   4. It shall be fertile, friable, natural surface soil, free of subsoil clay lumps or stones larger than 1-1/2 inches in any dimension.

B. Lime
   1. Dolomite limestone, calcium magnesium carbonate, 50% passing through a 100 mesh sieve, 95% to 100% passing through a 20 mesh sieve, agricultural ground grade, minimum neutralizing value of 90%.
   2. Addition of Lime shall be per soil analysis recommendation.

C. Soil Amendment and fertilizers
   1. Compost: 1/4-inch minus fir or hemlock sawdust, or organic waste material aged a minimum of 2 years, well composted, stable, and weed-free organic matter.
   2. In addition, the organic material shall have the following physical characteristics as follows:
   3. Natural organic or inorganic granular fertilizers dry and free flowing complying with Oregon State fertilizer laws and bearing guaranteed analysis of manufacturer.
   4. Mycorrhizae Soil Amendment: Plant Success Mycorrhizae Tablets or approved equal.

PART 3 – EXECUTION

3.01 SUBGRADE PREPARATION

A. Existing on-site subsoil and topsoil shall be removed to depths as required for imported topsoil, amendment requirements, decorative bark mulch and finish grade surface requirements.
B. Remove all gravel, aggregate base rock material, asphalt, concrete, roots of any dead tree or tree/plant to be removed, and all construction debris, from planting beds to a minimum depth of 18” inches below finish grade, and a minimum depth of 12” inches below finish grade for areas to be seeded.
C. With the subgrade exposed to the appropriate depth, scarify subgrade in two directions 90 degrees to each other to a minimum depth of 4”, where topsoil is scheduled to be placed, to ensure interfacing of subsoil and topsoil, and to achieve specified compaction density.
D. Do not excavate or till within the “Tree Protection Zone” (TPZ) of any existing tree to remain, unless directed by Architect.

3.02 SOIL PREPARATION

A. Stockpiling
1. Stockpile and protect existing excavated topsoil to be reused, or imported topsoil in a designated location, away from potential contamination from construction operations.

B. Tree, Shrub, and Groundcover Planting Areas
1. Place 18" depth of topsoil where trees are to be placed in a diameter of 3 times the root ball.
2. Place 12” depth of topsoil in planting areas, or the depth required to achieve finish grade surface requirements, less the bark mulch. Finish grades to be 2” below adjacent finish paving surfaces unless indicated otherwise.
3. Spread 3" depth of compost, and 13.5 pounds per 1,000 square feet of Planting Bed Fertilizer.
4. Apply additional soil amendments as required by soil test analysis at the rate indicated by the analysis.
5. Till soil amendments into topsoil to a minimum depth of 8.
6. Place Mycorrhizae Tablets in each plant pit at the time of planting according to the manufacturer’s specifications.

C. Lawn Areas and Areas to be Seeded
1. Place 4" depth of topsoil.
2. Apply lime 2 weeks prior to seeding if indicated by soil test analysis at the rate indicated by the analysis.
3. Spread 2" depth of compost and 6.7 pounds per 1,000 square feet of Lawn Fertilizer.
4. Apply additional soil amendments as required by soil test analysis at the rate indicated by the analysis.
5. Till soil amendments into topsoil to a minimum depth of 6".
6. Finish grades to be ½” below adjacent top of walks and other paved surfaces unless indicted otherwise.
7. Finish of all growing medium surfaces shall be true to intended grades, smooth, uniform, and firm against deep foot printing.
8. Areas shall be cleanly raked and manicured ready to accept seed.
9. Immediately prior to seeding, the soil surface shall be scarified by raking to a depth of 3/4 inch. Scarification shall be perpendicular to the slope.

D. Finish Grading Areas
1. Remove high spots and fill depressions.
2. Drag and hand rake lawn areas to produce smooth, even grades.
3. Maintain existing grades at limits of Work.
4. Slope to grades acceptable to the Architect.
5. Provide positive, 2% minimum drainage and as shown on the Drawings.
6. Provide positive, 2% drainage away from each tree.
7. Remove or break up soil clods larger than 1".
8. Remove sticks, trash, debris, and material deleterious to plant life.
9. Compact prepared topsoil to 80% density and float seeded planting areas to 1/2” and shrub planting areas to 2” below elevations indicated on the drawings.

3.03 COMPLETION

A. Adjusting and Cleaning
1. Restore eroded, settled, or compacted soil to specified condition prior to landscape planting and seeding.
2. Remove excess topsoil and soil amendments from adjacent paving, curb, and walk surfaces.
3. Provide protective cover and barriers as necessary to prevent damage and staining.
4. Remove debris, topsoil, fertilizer, limestone, textural soil amendment, and soil mixes from curbs, walks, paving, and other improvement surfaces daily.
5. Broom and hose down curb, pavement, and walk areas daily as necessary to maintain clean surfaces.
6. Transport surplus materials to a legal disposal area.

END OF SECTION 32 91 12

SECTION 32 93 00
PLANTING

PART 1 – GENERAL

1.01 SUMMARY

A. Work Included
   1. Planting trees, shrubs, and ground covers.
   2. Seeded lawns.
   3. Mulching.
   4. Plant establishment and warranty period.

1.02 RELATED SECTIONS

A. Section 32 84 00
B. Section 32 91 13

1.03 SUBMITTALS

A. Product Submittals
   1. Submit 1/2-gallon product sample of bark mulch prior to delivery at the site.
B. Informational Submittals
   1. Submit a certificate of confirmed plant orders within five days after Notice to Proceed including information on quantity ordered, location, phone number, and address of grower who has agreed to provide plant material.
   2. Submit Certificates required by law with plant shipments in the Closeout Manual.
C. Maintenance Submittals
   1. At least 14 days prior to the end of the contractual maintenance period, submit to Owner full and complete maintenance instruction of the plantings and furnishings.

1.04 SITE OBSERVATION VISITS

A. Scheduling and Coordination
   1. The Architect shall be notified by the Landscape Contracting Business 48 hours in advance of all site observation visits requested.
   2. The Landscape Construction Professional shall be present at each site observation visit.
   3. All Work that is to be viewed by the Architect shall be ready and in place.
   4. The Architect has the right to have changes made to any or all of the Work.
B. Site Observation Meetings
   1. Plant material Inspection before installation.
   2. Plant material layout
   3. Final completion checklist
C. Additional site observation visits may be required by the Architect at any time. If more than one site observation visit is required for a particular portion of Work because of excessive deficiencies (as determined by Owner or Architect), the Landscape Contracting Business may be charged for additional visits and reports required.

1.05 QUALITY ASSURANCE

A. Regulatory Requirements
   1. Comply with minimum requirements for plant quality, grade tolerances, and caliper to height ratios as specified in American Standards for Nursery Stock, ANSI Z60.1.
   2. Meet or exceed the specifications of federal, state, and county laws requiring inspection of plants and planting material for plant disease control.
B. Qualifications

a. Installer Qualifications: The landscape construction professional as defined in ORS 671.520 and performing work under this section of the contract shall hold a valid landscape contractor's license in accordance with ORS 671.510 to 671.760.

C. Substitutions
1. Submit substitution requests must be made no later than six (6) months prior to beginning landscape site work or at the time of bidding.

D. The Architect may reject plant material that does not meet specified standards.

E. Plant Names
1. Names and sizes of plants shall comply with the Standards of Practice of the American Association of Nurserymen, Inc.
2. Botanical names take precedence over common names.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Packing and Shipping
1. Notify Owner's Representative within 48 hours of delivery schedule so plant materials may be inspected upon delivery.
2. Deliver packaged materials in manufacturer's unopened containers, fully identified by name, brand, type, weight, and analysis.

B. Storage and Protection
1. Protect plants against damage and dehydration.
2. Cover plant roots and root balls with soil or other accepted material upon delivery, if not scheduled for planting within four hours.
3. Store plant materials in shade and protect against harmful weather.
4. Maintain plant materials that are not planted within four hours.
5. Store packaged materials to prevent damage and intrusion of foreign matter.
6. Do not deliver more plant material to the site that can be planted in one day without a temporary irrigation means in place and operating.

1.07 SITE CONDITIONS

A. Examine planting areas and site conditions prior to starting work.

B. Verification of conditions:
1. Verify location of underground utilities prior to starting work.
2. Start of Work indicates acceptance of existing site conditions.

C. Scheduling:
1. Conduct landscape work within the acceptable planting season for each kind of plant.

D. Environmental Requirements:
1. Do not plant when air temperature is less than 35ºF or above 90ºF.
2. Do not plant when ground is frozen, excessively wet or dry.
3. Do not plant when wind velocity exceeds 25 mph.

1.08 WARRANTIES

A. Warranty begins on date of Final Acceptance.

B. Plant materials shall be in healthy condition at end of one-year warranty period, or for one full growing season after installation, whichever is longer.

C. Replace unhealthy plants within 15 days or as approved by the Architect.

D. Corrective Work shall be done within 15 days or as approved by the Architect.

E. Contractor is not responsible for plants damaged by vandalism or theft during warranty period.

F. The Owner, Owner's Representative, and Contractor shall walk the site no less than 60 days prior to the end of the warranty period to review the site for dead or dying plant material.

1.09 MAINTENANCE SERVICE AND PERIOD

A. Maintenance Service by Installer
1. Begin 12 month maintenance service immediately after planting and continue until Final

Acceptance.
2. Protect and maintain plants for the duration of the plant establishment and maintenance period.
3. Water, weed, fertilize, spray, cultivate mulch, reset plants to correct grade and upright position, remove dead wood, and perform other necessary maintenance work necessary for healthy growth.
4. Remove leaves, cones, and plant litter from landscape areas.
5. Irrigate planting soils when necessary to avoid drying out of plant materials and to promote healthy growth.
6. Weed all planting beds by manual methods only. Use of chemicals will not be permitted.
7. Pruning and/or shearing of plants during the plant establishment period will not be permitted except to remove dead or damaged limbs.

PART 2 – PRODUCTS

2.01 PLANTS

A. Nursery Stock
   1. Healthy well branched and rooted, full foliaged when in leaf, free of disease, injury, insects, weeds, and weed roots.
   2. Typical of plant species and variety.
   3. Plants held in storage will be rejected if they show signs of growth during storage.
   4. Do not use cold storage plants unless authorized by Owner's Representative in writing.
   5. Where drawings indicate row planting, furnish plants matched in form.
   6. Plants larger than specified in plant list may be used when acceptable to Owner's Representative.

B. Plant Names
   1. Furnish plants true to name.
   2. Retain one plant tag per +/- 25 plants with common and botanical name. Tag shall remain with the plant after planting.

C. Balled and Burlap Plants (B&B)
   1. Ball and Burlap with natural ball of size to insure healthy growth.
   2. Dig with firm natural balls of earth of sufficient diameter and depth to encompass the feeding root system necessary for full recovery of the plant.
   1. Comply with ball sizes listed by American Standard for Nursery Stock.
   2. Cracked and mushroomed balls are not acceptable.

D. Container Grown Plants
   1. Furnish plants in removable containers or integral peat pots.
   2. Furnish plants well rooted to ensure healthy growth.
   3. Furnish plants grown in containers from six months to two years prior to delivery, with roots filling container but not root bound.

E. Trees
   1. Furnish species that mature at heights over 25 feet with a single main trunk.
   2. Do not furnish trees that have a main trunk with two co-dominated stems.
   3. Trees shall not contain pruning wounds with a diameter of more than 1 inch and wounds must be made at branch collar and have sound bark on all edges.
   4. Furnish evergreen trees branched to the ground.

F. Shrubs and Ground Covers
   1. Furnish plants with spread and height requirements typical for the species in the specified container size.
   2. Furnish plants in a moist and vigorous condition, free of dead wood, bruises, and root or branch injuries.

G. Plant List: As indicated on the Drawings.
   1. Contractor shall verify plant quantities indicated on the Drawings. Quantity errors on the Drawings are not the responsibility of the Owner or the Architect. Provide sufficient quantity of plants to complete work shown on the Drawings.

2.02 BARK MULCH

A. 1/2 -3/4 “Aged Bark” or “Dark Bark”.
B. Free from weeds, seeds, and material harmful to plant life.

2.03 STAKES AND GUYS

A. Wood Stakes
   1. Wood Species and Grade: 2" X 8' wood stake, as shown on Drawings.
B. Ties
   1. Heavy duty 1” stretch tie, reinforced rubber tie, or approved equal.
C. Plant Guys
   1. Broad belt-type strapping or plastic chain, minimum 1" width.

PART 3 – EXECUTION

3.01 PREPARATION

A. Comply with requirements in Section 32 91 13, Soil Preparation
B. Excavate pit to a minimum of three times diameter of root ball or root system, not less than 6" deeper for shrubs, and not to exceed depth of root ball for holes for balled trees.
C. Assure plant pit drainage by flooding prior to planting.
D. Immediately prior to planting, scarify bottom and sides of hole with shove

3.02 PLACEMENT OF TREES AND SHRUBS

A. Before digging holes, lay out location of all plants and adjust as necessary to existing conditions
B. Install plants upright and face plants to give best appearance and relationship to adjacent plants and structures.
C. Set top of root ball 1-1/2 inches above finished grade.
D. If hole is too deep, fill hole with compacted soil to correct levels. Deep planting is not permitted.
E. Install plants upright and face plants to give best appearance and relationship to adjacent plants and structures.
F. Remove root ball containers completely.
G. After trees have been set in plant pit, remove top and sides of wire baskets. Use bolt cutters to cut wire in several places and remove wire from plant pit. Remove fasteners and burlap wrapping from top third of root ball. Do not bury wire and fasteners in landscape; dispose of legally.
H. Trim broken and frayed roots and any circularly growing roots conforming to the container shape.
I. Adjust plant locations to minimize conflicts with irrigation equipment

3.03 PLANTING TREES AND SHRUBS

A. Cut off broken and frayed roots.
B. Place and compact prepared planting soil carefully to avoid injury to roots and fill voids.
C. When hole is filled to within 4" of finish grade, fill with water and let stand until water is absorbed by soil.
D. Backfill with prepared soil mix and compact to eliminate voids.
E. Place Mycorrhizae Tablets in each plant pit as specified in Section 32 91 13, Soil Preparation. Ensure tablets are in direct contact with plant roots or rootball.
F. Do not perform initial watering of trees and shrubs by irrigation system. Water plants thoroughly by hand with a hose immediately after planting.

3.04 PLANTING GROUND COVERS

A. Install plants at spacing indicated.
B. Dig holes large enough to allow spreading of roots.
C. Backfill with prepared soil mix and compact to eliminate voids.
D. Place Mycorrhizae Tablets in each plant pit as specified in Section 32 93 13, Soil Preparation. Ensure tablets are in direct contact with plant roots.

E. Slightly dish soil surface at each plant and water thoroughly.

3.05 PRUNING TREES AND SHRUBS

A. Prune trees and shrubs to remove damaged, diseased, or poorly connected branches.

3.06 BARK MULCHING

A. Apply 3 inch thick layer of mulch over planting beds within two days after planting.
B. Lift ground cover plant foliage above mulch where required to prevent mulch contact with plant foliage.
C. Do not place mulch within 3" of base/trunk of plants.

3.07 STAKING AND GUYING OF TREES

A. Guy and stake deciduous trees from two directions with guys, guy wire, and stakes as detailed on the Drawings.

3.10 SEEDED LAWNS

A. Refer to section 32 91 13 for soil preparation for areas to receive lawn seed.
B. Apply lawn seed at the rate and frequency specified by the supplier.

3.11 CLEAN UP

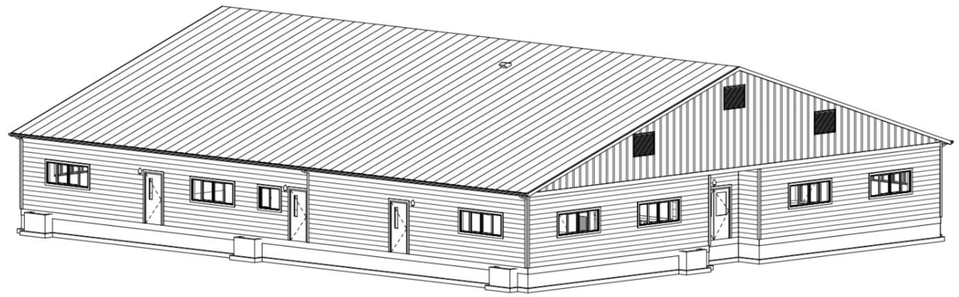
A. Remove mulch from paved areas and clean any stains resulting from this Work
B. Adjusting, Cleaning and Repair
   1. Remove excess materials and debris from the site upon completion of Work, or sooner, if directed.
   2. Hose and broom clean paved areas and leave site in neat and acceptable condition.
   3. Repair damage to underground utility lines and site improvements as a result of planting work.

END OF SECTION 32 93 00

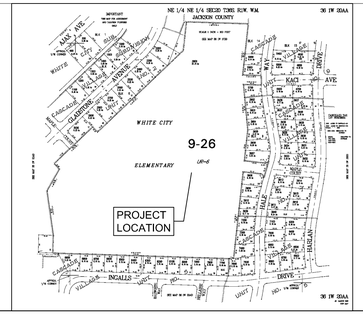
OWNER	PROJECT MANAGER	ARCHITECT	BUILDING DESIGNER	ELECTRICAL ENGINEER	CIVIL ENGINEER	MECHANICAL ENGINEER
EAGLE POINT SCHOOL DISTRICT CONTACT: SCOTT WHITMAN 11 N ROYAL AVE, PO BOX 548, EAGLE POINT OR 97524 541-830-6559 WHITMANS@EAGLEPNT.K12.OR.US	HMK COMPANY CONTACT: DAVID MCKAY 695 COMMERCIAL ST. SE SUITE 116 SALEM, OR 97301 971.304.0710 DAVID@HMKCO.ORG	ARKITEK: DESIGN & ARCHITECTURE CONTACT: CHRISTOPHER BROWN 426 A ST. SUITE 101 ASHLAND,OR 97520 541.591.9988 ARKITEK@ARKITEK.US	MODERN BUILDING SYSTEMS CONTACT: ALAN RASMUSSEN PO BOX 110 / 9493 PORTER RD AUMSVILE, OR 97325 5034794949 ARASMUSSEN@MODERNBUILDINGSYSTEMS.COM	DOUGLAS ENGINEERING PACIFIC, INC. CONTACT: MYRON K. HUDSON CSI 415 WILLIAMSON WAY, SUITE 7 ASHLAND, OR 97520 (541) 482-3938 ext 303 MHUDSON@DOUGLASENGINEERING.COM	POWELL ENGINEERING + CONSULTING CONTACT: TODD POWELL 1874 ROSSANLEY DR. MEDFORD, OR 97501 541.613.0723 TODD@POWELLENGINEERINGCONSULTING.COM	INSIGHT CONSULTING ENGINEERS, LLC. CONTACT: AARON MUELLER, P.E. 3825 CRATER LAKE HIGHWAY MEDFORD, OR 97504 563-272-1364 AARON.MUELLER@INSIGHTCONSULTINGENG.COM

TABLE ROCK ELEMENTARY SCHOOL

2830 MAPLE COURT, WHITE CITY, OR



VICINITY MAP - WHITE CITY, OREGON



MATERIALS LEGEND

	EARTH		DIMENSIONAL LUMBER
	GRAVEL, ROCK		BLOCKING / SHIM
	SAND, GROUT		WOOD
	CONCRETE		PLYWOOD
	MASONRY		CEILING / ACOUSTIC TILE / PANEL
	METAL		BATT INSULATION

GENERAL NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO PROCEEDING WITH ANY WORK.

2. DIMENSIONS TAKE PRECEDENCE OVER DRAWING. DO NOT SCALE DRAWING TO DETERMINE ANY LOCATIONS. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCY PRIOR TO CONTINUING WITH WORK. DIMENSIONS ARE TAKEN TO THE FOF, FOC, FOM, OR GRID, UNO.

3. ALL CONSTRUCTION SHALL COMPLY WITH THE 2014 O.S.S.C. BUILDING CODE AND METHODS AND SHALL MAINTAIN THE STRUCTURAL INTEGRITY OF ANY CONSTRUCTION UNTIL ALL FINAL LATERAL AND VERTICAL CARRYING SYSTEMS ARE COMPLETED.

4. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTIONS MEANS AND METHODS.

5. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION AND COORDINATION OF SUBCONTRACTORS WORK TO SECURE COMPLIANCE OF DRAWINGS AND SPECIFICATIONS FOR THE ACCURATE LOCATION OF STRUCTURAL MEMBERS, AND OPENINGS FOR MECHANICAL, ELECTRICAL, AND MISCELLANEOUS EQUIPMENT. CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND OPENING SIZES, CLEARANCES REQUIRED FROM MFR PRIOR TO CONSTRUCTION AND INSTALLATION OF EQUIPMENT, FURNISHINGS, ACCESSORIES ETC.

6. TRADE PERMITS, INCLUDING BUT NOT LIMITED TO, MECHANICAL, ELECTRICAL, ETC. SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION TO BE DESIGN-BUILD BY SUBCONTRACTOR.

7. DETAILS NOTED AS "TYPICAL" OR "TYP" APPLY IN ALL CASES WHETHER OR NOT SPECIFICALLY REFERENCED. DETAILS THAT ARE SPECIFICALLY REFERENCED SHALL TAKE PRECEDENCE OVER "TYPICAL" OR "TYP." DETAILS. SPECIFIC DETAILS AND NOTES SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND DETAILS.

8. WHERE COMPONENTS, ASSEMBLIES, ITEMS, EQUIP, ETC. ARE BASED UPON A PARTICULAR SUPPLIER, FABRICATOR AND/OR MFR. THE CONTRACTOR SHALL ENSURE, PROVIDE OPTIONS, ALLOW FOR, AND SHALL MAKE ANY CHANGES REQUIRED FOR THE APPROVED ALTERNATE TO MEET THE DESIGN INTENT OF THE DOCUMENTS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE GENERAL SECURITY OF THE SITE WHILE THE JOB IS IN PROGRESS AND UNTIL JOB COMPLETION. EACH CONTRACTOR/SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY AND PROTECTION OF ITS OWN MATERIALS, WORK PRODUCT AND EQUIPMENT.

10. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSES OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE PROSECUTION OF THE WORK. SEE CIVIL DRAWINGS FOR ADDITIONAL.

11. CONTRACTOR SHALL VERIFY ALL COMPONENTS TO BE INSTALLED W/ EXT. WALL FOR DIMENSIONAL ACCURACY AND FIT IN MASONRY COURSING PRIOR TO FABRICATION, PURCHASE, INSTALLATION, ETC.

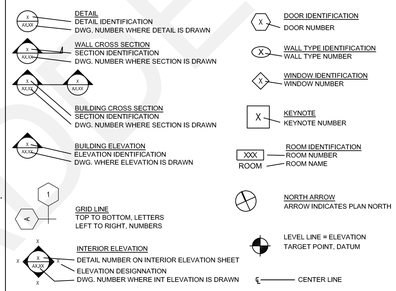
12. ALL UNPAINTED FERROUS METALS EXPOSED TO THE WEATHER SHALL BE GALVANIZED, UNO.

13. SEPARATE ALL AL AND OTHER METALS FROM DIS-SIMILAR METALS WITH BITUMINOUS TAPE OR PT.

14. APPROPRIATE SEALANT SHALL BE USED TO SEAL ALL JOINTS OF MILLWORK, TRIM, EQUIPMENT WALL MOUNTING PENETRATIONS TO PRODUCE A WATERTIGHT SEAL.

15. FASTENER SIZES AND CONNECTIONS PER STRUCTURAL ENGINEER OR AS NOTED. UNREFERENCED CONNECTIONS PER OSSC TABLE 2304.9.1.

LEGEND AND SYMBOLS



F.O.M.	FACE OF MASONRY
F.O.C.	FACE OF CONCRETE
F.O.C.	FACE OF COLUMN
F.O.S.	FACE OF STUD / STRUC
F.O.FIN.	FACE OF FINISH

SEE INDIVIDUAL SHEETS FOR ADDITIONAL LEGENDS AND SYMBOLS

GOVERNING CODES

THE DESIGN OF THIS PROJECT IS BASED ON THE FOLLOWING CODES:

- OREGON STRUCTURAL SPECIALTY CODE, 2019 ed.
- OREGON MECHANICAL SPECIALTY CODE, 2019 ed.
- OREGON PLUMBING SPECIALTY CODE, 2021 ed.
- OREGON ELECTRICAL SPECIALTY CODE, 2021 ed.
- OREGON ENERGY EFFICIENCY SPECIALTY CODE, 2021
- OREGON FIRE CODE, 2022 ed.

ABBREVIATIONS

ABV	ABOVE
ACT	ACOUSTIC CEILING TILE
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
B.O.	BOTTOM OF
BM	BEAM
CJ	CONTROL JOINT
CLG	CEILING
CLR	CLEAR
CLT	CROSS LAMINATED TIMBER
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CPT	CARPET
DBL	DOUBLE
DIA	DIAMETER
DIMS	DIMENSIONS
DW	DISHWASHER
EA	EACH
ELEC	ELECTRICAL
EQ	EQUAL(Y)
EX	EXISTING
FD	FLOOR DRAIN
FF	FINISHED FLOOR
FIN	FINISH(ED)
FRMG	FRAMING
FRZR	FREEZER
FTG	FOOTING
F.R.	FIRE RESISTANT
GA	GAUGE
GALV.	GALVANIZED
GWB	GYPSUM WALL BOARD
G.B.	GRAB BAR
G.I.	GALVANIZED IRON
G.S.	GALVANIZED STEEL
H	HIGH
HDBD	HARDBOARD
HDR	HEADER
HDWD	HARDWOOD
HGT	HEIGHT
HR	HOUR
HW	HOT WATER
INSUL	INSULATION
IR	INSIDE RADIUS
JST	JOIST
M	MIRROR
MAX	MAXIMUM
MB	MACHINE BOLT
MDL	MODEL
MECH	MECHANICAL
MTL	METAL
N.I.C.	NOT IN CONTRACT
(N)	NEW
O/	OVER, ON
OCC	OCCUPANCY
OPNG	OPENING
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
P	PAINT
PWD	PLYWOOD
P.T.	PRESSURE TREATED
RM	ROOM
R.O.	ROUGH OPENING
SEP	SEPARATION
SF	SQUARE FEET
SJ	SAW JOINT
SQ. FT.	SQUARE FEET
SHTG	SHEATHING
SIM	SIMILAR
T.O.	TOP OF
TS	TUBE STEEL
TYP	TYPICAL
TH	THRESHOLD
UL	UNDERWRITERS LABORATORY
UTIL	UTILITY
U.N.O.	UNLESS NOTED OTHERWISE
WD	WOOD

DRAWING INDEX

TABLE ROCK ELEMENTARY SCHOOL

2830 Maple Court
White City, OR 97503

arkitek:
design and architecture, llc.

426 a street
ashland, or 97520
tel.: 541.591.9988

REGISTERED ARCHITECT
CHRISTOPHER PLUMMER BROWN
6028
ASHLAND, OREGON
STATE OF OREGON

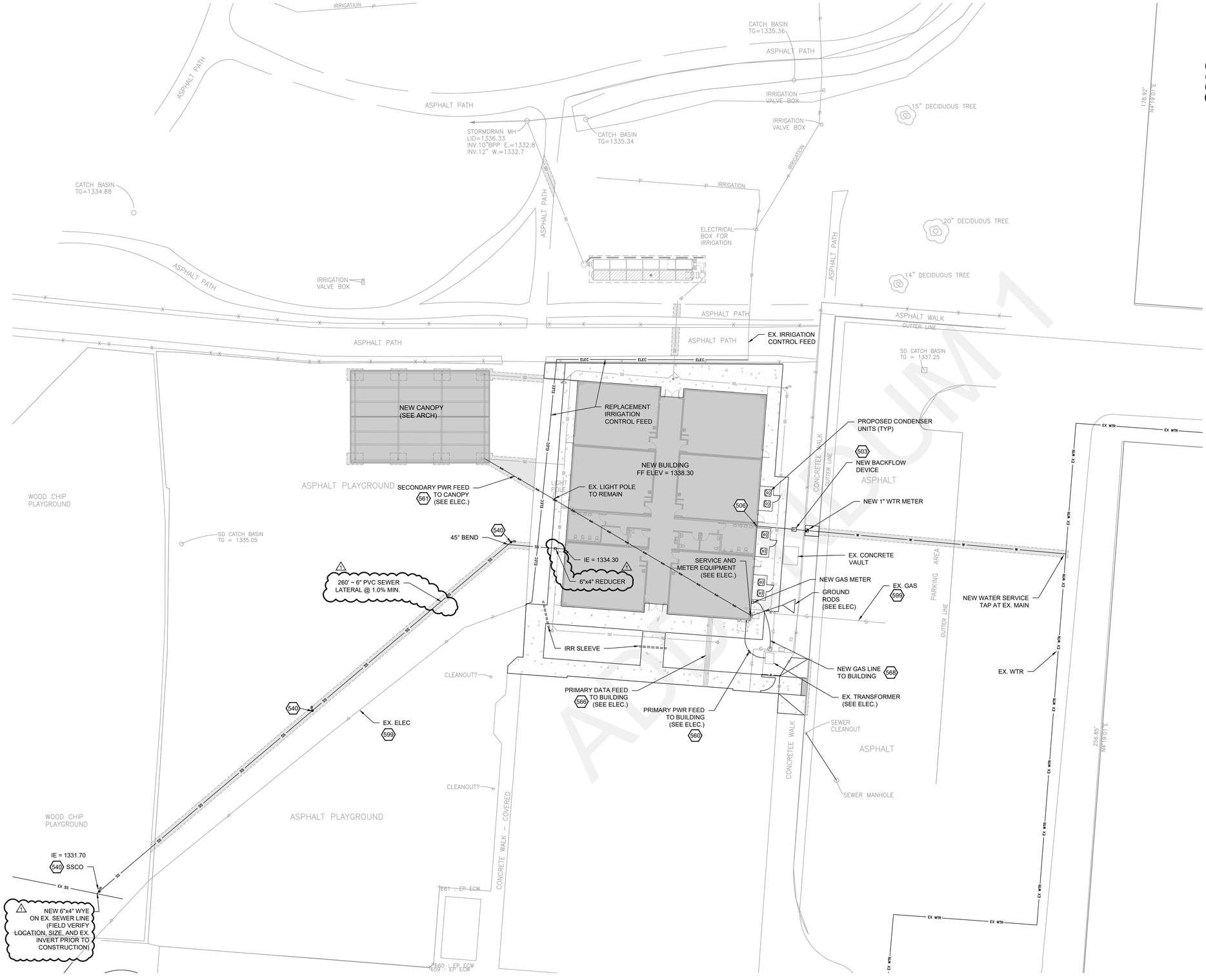
Revision		Date
1	ADDENDUM 1	4/14/23

Date	03.29.23
Job	22-012
Drawn By	JKA
Checked By	
Scale	AS NOTED

100% CD

Drawing Title
COVER SHEET

Drawing No.
G1.01



PLAN VIEW - SITE UTILITY PLAN

SCALE: 1" = 20' - 0" (24x36)

GENERAL NOTES

1. CONTRACTOR SHALL OBTAIN A SEWER CONNECTION PERMIT FROM RVSS PRIOR TO CONSTRUCTION.

KEYNOTES

- 503 STATE OF OREGON APPROVED BACKFLOW DEVICE. TESTING SHALL BE COMPLETED BY AN OREGON CERTIFIED BACKFLOW ASSEMBLY TESTER.
- 506 1.5" DOMESTIC WATER MAIN CONNECTION AT BUILDING WITH SHUT OFF VALVE. SEE PLUMBING.
- 540 SANITARY SEWER CLEANOUT. (540 C6.1)
- 560 PRIMARY POWER FEED TO BUILDING (SEE ELEC). CONTRACTOR TO COORDINATE WITH PPL ON SERVICE FEEDS TO BUILDING.
- 561 SECONDARY POWER FEED
- 566 PRIMARY DATA FEED TO BUILDING. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES ON SERVICE LATERALS TO BUILDING.
- 568 PRIMARY GAS SERVICE LINE TO BUILDING
- 599 EXISTING UNDERGROUND UTILITY. CONTRACTOR TO COORDINATE WITH APPROPRIATE UTILITY PRIOR TO CONSTRUCTION. REPLACE OR PROTECT DURING CONSTRUCTION AS DIRECTED BY FRANCHISE UTILITY.

UTILITY STATEMENT:

EXISTING UNDERGROUND UTILITIES ILLUSTRATED IN THESE PLANS ARE APPROXIMATED BASED ON MAPS OBTAINED FROM THE CITY OF MEDFORD PUBLIC WORKS, OR HAVE BEEN LOCATED BY A UTILITY LOCATE COMPANY. LAYOUT INDICATED IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. ALL LINES WITHIN PROJECTED WORK ZONE SHALL BE FIELD VERIFIED AS REQUIRED PRIOR TO CONSTRUCTION.

TABLE ROCK ELEMENTARY SCHOOL

2830 Maple Court
White City, OR 97503

arkitek: design and architecture, llc.
426 a street
ashland, or 97520
tel.: 541.591.9988

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REGISTERED PROFESSIONAL ENGINEER
56425PE
OREGON
JULY 13, 2004
TODD D. POWELL

EXPIRES: 12/31/24

Revision		Date
1	ADDENDUM #1	04/14/23

Date	03.29.23
Job	22-037
Drawn By	
Checked By	TDP
Scale	

100% CD

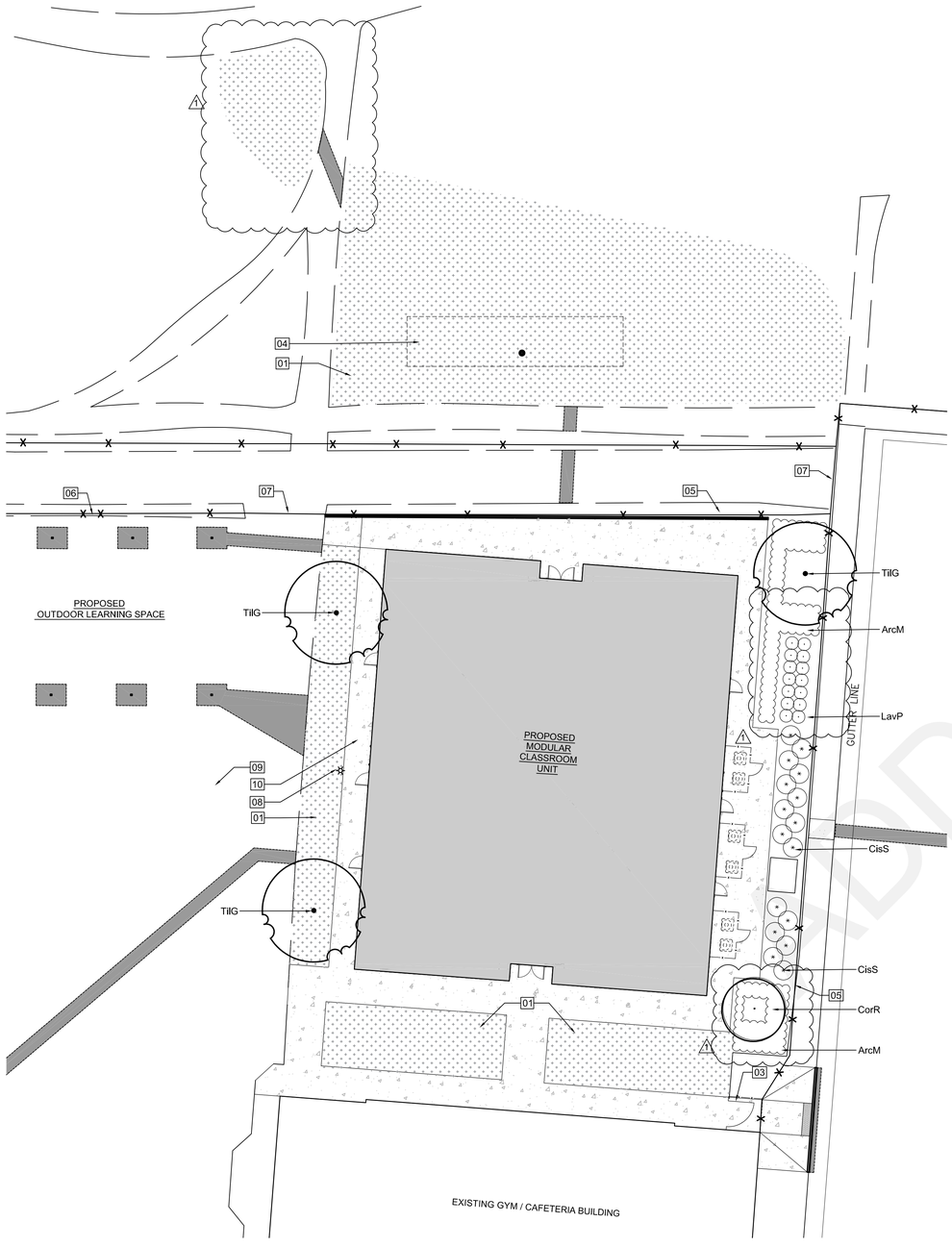
Drawing Title

SITE UTILITY PLAN

Drawing No.

C5.0

Drawing Name: C:\Users\Tek\Powell Engineering and Consulting, LLC\PEC Shared - Documents\All Staff\Projects\Current Projects\Arktek TRES P2\Drawings\CADD\Arktek TREM C1-C5.dwg Last Save: April 6, 2023 1:01 PM Plot Date: April 12, 2023 5:28 PM By: TPOWELL



1 PLANTING PLAN

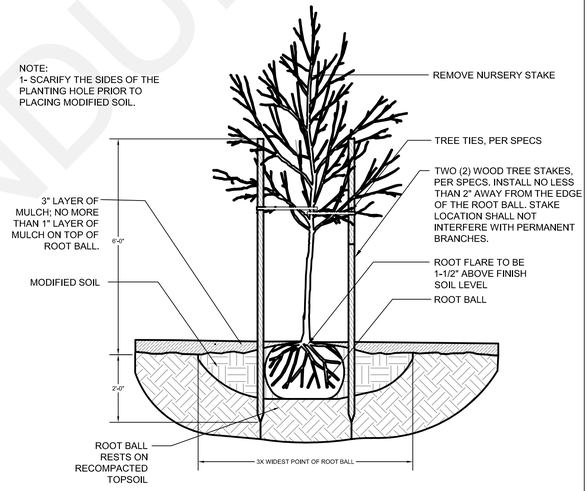
1" = 16'-0"

NORTH

PLANT LIST

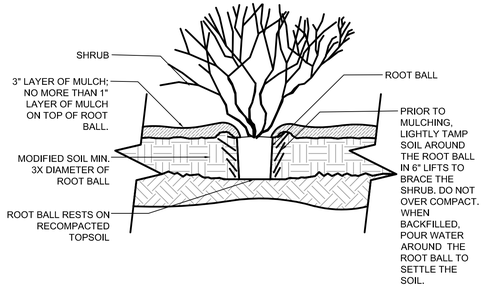
KEY	LATIN NAME	COMMON NAME	SIZE
TREES:			
CorR	CORNUS FLORIDA 'RUBRA'	PINK FLOWERING DOGWOOD	1.5" CAL
TilG	TILIA CORDATA 'GREENSPIRE'	LITTLE LEAF LINDEN	1.75" CAL
SHRUBS:			
ClsS	CISTUS 'SUNSET'	SUNSET ROCKROSE	3 GAL
LavP	LAVANDULA 'PROVENCE'	PROVENCE LAVENDER	1 GAL
GROUNDCOVERS:			
ArcM	ARCTOSTAPHYLOS UVA-URSI 'MASS'	KINNICKINNICK 'MASS.'	1 GAL

NOTE:
1- SCARIFY THE SIDES OF THE PLANTING HOLE PRIOR TO PLACING MODIFIED SOIL.



2 SHRUB PLANTING DETAIL, TYP.

1/2" = 1'-0"



3 SHRUB PLANTING DETAIL, TYP.

1/2" = 1'-0"

SHEET NOTES:

1. SEE CIVIL PLANS FOR PROPOSED UTILITY CONNECTIONS, GRADING, DRAINAGE, PROPOSED PAVED SURFACES, RAMPS, WALLS, AND STORMWATER SYSTEM.
2. EXAMINE SITE FOR CONDITIONS THAT WILL ADVERSELY EFFECT EXECUTION, PERFORMANCE, QUALITY OF WORK, AND SURVIVAL OF PLANT MATERIAL.
3. PROTECT UTILITY LINES AND SITE IMPROVEMENTS.
4. NEWLY DEVELOPED PLANTING BEDS TO RECEIVE 3" LAYER OF SHREDDED HEMLOCK OR FIR, 3/4" SCREENED, BARK MULCH.
5. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITY THAT WILL NOT BE PLANTED ARE TO BE SEEDED WITH LAWN.
6. PROTECT PLANTS AGAINST DAMAGE AND DEHYDRATION.
7. STORE POTTED PLANT MATERIALS IN SHADE AND PROTECT AGAINST HARMFUL WEATHER.
8. NURSERY STOCK SHALL BE HEALTHY, WELL BRANCHED AND ROOTED, FULL FOLIAGE WHEN IN LEAD, FREE OF DISEASE, INJURY, INSECTS, WEEDS, AND WEED ROOTS.
9. WHERE DRAWING INDICATES ROW PLANTING, FURNISH PLANTS WITH MATCHING FORM.
10. REMOVE ALL GRAVEL, CONCRETE, AND CONSTRUCTION DEBRIS FROM PLANTING BEDS TO A MINIMUM DEPTH OF 12" BELOW FINISH GRADE.
11. PLACE 12" DEPTH OF TOPSOIL AT ALL NEW PLANTING BEDS. SPREAD 4" DEPTH OF COMPOST AND TILL INTO TOPSOIL TO A DEPTH OF 8".
12. FOLLOW PLANTING INSTRUCTIONS IN DETAILS 2 AND 3 FOR TREES AND SHRUBS.
13. PLACE MYCORRHIZAE TABLETS IN EACH PLANT PIT AT THE TIME OF PLANTING ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

KEYNOTES:

01	(N) SEEDED LAWN. PREPARE SOIL AND SEED ALL AREAS IMPACTED BY CONSTRUCTION UNLESS OTHERWISE NOTED.
02	(N) PLANTED AREA WITH SHRUBS, TREES, AND GROUNDCOVERS
03	(N) PANIC GATE, SEE DETAIL 2/G2.02
04	(N) UNDERGROUND STORMWATER SYSTEM, SEE CIVIL
05	(E) CHAIN LINK FENCE
06	(E) PEDESTRIAN GATE
07	(E) VEHICLE GATE
08	(E) LIGHT POST
09	(E) ASPHALT PLAYGROUND
10	(N) CONCRETE SIDEWALK, SEE CIVIL

TABLE ROCK ELEMENTARY SCHOOL

2830 Maple Court
White City, OR 97503

arkitek:
design and
architecture, llc.

426 a street
ashland, or 97520
tel.: 541.591.9988

REGISTERED ARCHITECT
CHRISTOPHER PLUMMER BROWN
6022
ASHLAND, OREGON
STATE OF OREGON

Revision		Date
1	ADDENDUM 1	4/14/23

Date	03.29.23
Job	22-012
Drawn By	JKA
Checked By	
Scale	AS NOTED

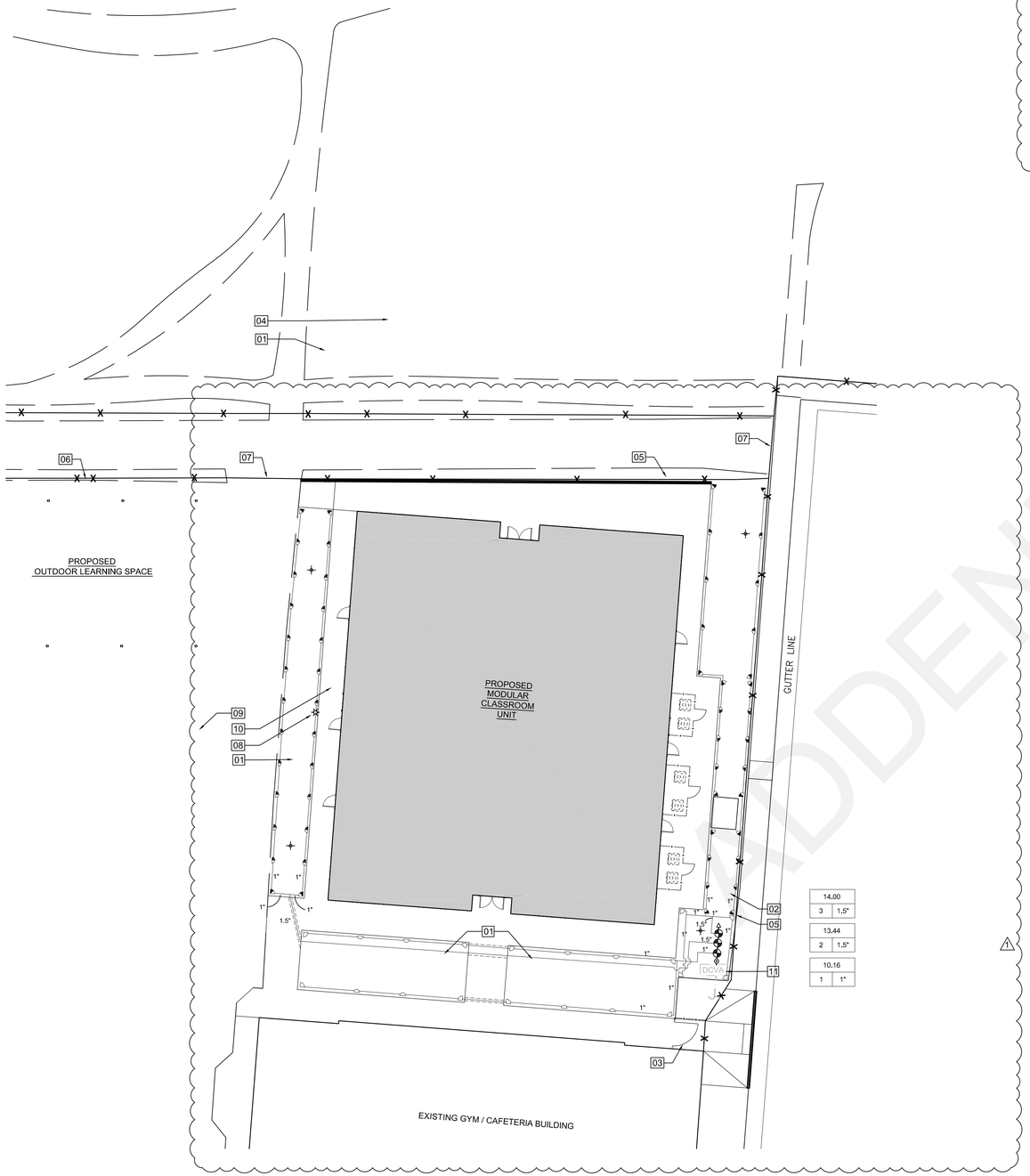
100% CD

Drawing Title
PLANTING PLAN

Drawing No.
L1

IRRIGATION LEGEND

SYMBOL	RADIUS	ARC	GPM	PSI	MODEL
	13'-18'	90°	.42	30	Rain Bird R-VAN-18-90
	13'-18'	180°	.85	30	Rain Bird R-VAN-18-180
	8'-14'	90°	.28	30	Rain Bird R-VAN-14-90
	8'-14'	180°	.56	30	Rain Bird R-VAN-14-180
	—	—	—	—	HUNTER ICV GLOBE VALVE w/ FLOW CONTROL.
	—	—	—	—	HUNTER HQ-44-LRC-R QUICK COUPLING VALVE
	—	—	—	—	MAIN LINE ISOLATION VALVE, AS SPECIFIED. LINE SIZE
					MAIN LINE, 3" SCH 40 PVC, UNLESS NOTED OTHERWISE
					LATERAL LINE, SCH 40 PVC. SIZE AS NOTED.
					EXISTING MAIN LINE



1 IRRIGATION PLAN
1" = 16'-0"

NORTH

SHEET NOTES:

1. IRRIGATION WILL BE AN AUTOMATIC SYSTEM AND WILL UTILIZE THE EXISTING MAIN LINE CONNECTIONS, VALVES, WIRE, AND BACKFLOW PREVENTION DEVICE OF THE ORIGINAL IRRIGATION SYSTEM WHEN POSSIBLE. IT IS THE CONTRACTORS RESPONSIBILITY TO ASSESS THE EXISTING IRRIGATION SYSTEM FOR ADAPTATION.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH GRADE DIFFERENCES, WALL/HARDSCAPE LOCATIONS, ETC. TO COORDINATE WORK FOR THE INSTALLATION OF IRRIGATION PIPE SLEEVES UNDER PAVEMENT.
3. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF SUFFICIENTLY SIZED SLEEVES FOR CONTROL WIRES AND NON-PRESSURE LATERAL LINE PIPING UNDER PAVED AREAS, IN ADDITION TO CONTROL WIRES AND LATERAL LINE PIPING.
4. SELECT THE MOST APPROPRIATE PATTERN NOZZLE TO FIT THE SITE CONDITIONS AND ADJUST THE FLOW CONTROL TO OBTAIN OPTIMUM SPRINKLER HEAD PRESSURE.
5. SET SPRINKLER HEADS PERPENDICULAR TO FINISH GRADE AT ALL IRRIGATED AREAS.
6. PREVENT OVERSPRAY ONTO WALKS, ROADWAYS, WALLS, FENCES AND BUILDINGS.
7. IRRIGATION RECONFIGURED ACCORDING TO DISTRICT DURING CONSTRUCTION.

KEYNOTES:

01	(N) SEEDED LAWN. PREPARE SOIL AND SEED ALL AREAS IMPACTED BY CONSTRUCTION UNLESS OTHERWISE NOTED.
02	(N) PLANTED AREA WITH SHRUBS, TREES, AND GROUNDCOVERS
03	(N) PANIC GATE, SEE DETAIL 2/G2.02
04	(N) UNDERGROUND STORMWATER SYSTEM, SEE CIVIL
05	(E) CHAIN LINK FENCE
06	(E) PEDESTRIAN GATE
07	(E) VEHICLE GATE
08	(E) LIGHT POST
09	(E) ASPHALT PLAYGROUND
10	(N) CONCRETE SIDEWALK, SEE CIVIL
11	(E) IRRIGATION DOUBLE CHECK VALVE ASSEMBLY

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1	ADDENDUM 1	4/14/23

Date	03.29.23
Job	22-012
Drawn By	JKA
Checked By	
Scale	AS NOTED

100% CD

Drawing Title
IRRIGATION PLAN

Drawing No.
L2

Occupation and Premium/Differential Pay	Base Rate	Fringe Rate
ASBESTOS WORKER/INSULATOR	**59.32**	**23.42**
Firestop Containment	**44.83**	**16.99**

CEMENT MASON
This trade is tended by "Concrete Laborer."

Group 1	**39.97**	**21.17**
Group 2	**40.81**	**21.17**
Group 3	**40.81**	**21.17**
Group 4	**41.64**	**21.17**

Zone Differential for Cement Mason
Add to Basic Hourly Rate

Zone A	**3.00** per hour
Zone B	**5.00** per hour
Zone C	**10.00** per hour

Zone A: Projects located 60-79 miles of the respective city hall of the Reference Cities listed below.
Zone B: Projects located 80-99 miles of the respective city hall of the Reference Cities listed below.
Zone C: Projects located 100 or more miles of the respective city hall of the Reference Cities listed below.

Reference Cities for Cement Mason

Bend	Eugene	Pendleton	Salem	Vancouver
Corvallis	Medford	Portland	The Dalles	

When a contractor takes current employees to a project that is located more than 59 miles from the city hall of the Reference City that is closest to the contractor's place of business, Zone Pay is to be paid for the distance between the city hall of the identified Reference City and the project site.

Note: All miles are to be determined on the basis of road miles using the normal route (shortest time – best road), from the city hall of the Reference City closest to the contractor's place of business and the project.

IRONWORKER

Zone 1 (Base Rate):	**42.27**	**32.53**

Zone Differential for Ironworker
Add to Basic Hourly Rate

Zone 2	**6.25/**hr. or $50.00 maximum per day
Zone 3	**9.38**/hr. or $75.00 maximum per day
Zone 4	**11.88/**hr. or $95.00 maximum per day

Zone 1: Projects located within 45 miles of city hall in the reference cities listed below.
Zone 2: More than 46 miles, but less than 60 miles.
Zone 3: More than 61 miles, but less than 100 miles.
Zone 4: More than 100 miles.

Note: Zone pay for Ironworkers shall be determined using the quickest route per Google Maps and computed from the city hall or dispatch center of the reference cities listed below **or** the residence of the employee, whichever is nearer to the project.

Occupation and Premium/Differential Pay	Base Rate / Fringe Rate

IRONWORKER (Continued)

Reference Cities and Dispatch Center

Medford Portland

LINE CONSTRUCTOR

Area 1 (All Regions)

Group 1	**67.80**	**25.20**
Group 2	**60.54**	**24.87**
Group 3	**35.58**	**15.44**
Group 4	**52.06**	**21.29**
Group 5	**45.41**	**18.09**
Group 6	**37.53**	**17.74**
Group 7	**20.71**	**12.56**

Reference Counties

All counties

Pursuant to ORS 279C.815(2)(b), the Line Constructor Area 1 rate is the highest rate of wage among the collective bargaining agreements for Line Constructor Area 1 and Area 2.

EAGLE POINT SCHOOL DISTRICT
TABLE ROCK ELEMENTARY SCHOOL PROJECT
PRE-BID MEETING
SIGN IN
APRIL 13, 2023

Company: Vitus Construction Contact: Marvin VonJesku
Address:
Email: corey@vitusconstruction.com
Phone: 541.855.7177 Cell:

Company: Insight Consulting Engineers Contact: Aaron Mueller
Address: 3732 Cherry Lane
Email: aaron.mueller@insightconsultingeng.com
Phone: 563.272.1364 Cell:

Company: Outlier Construction Contact: Ryan Beugli
Address: 841 O'Hare Parkway, Medford, OR 97504
Email: ryan@outlierbuilt.com
Phone: 541.622.2040 Cell: 541.613.2135

Company: Advanced Air Contact: Jonathan Penney
Address: 695 E Vilas Road
Email: jonathan@advancedairandmetal.com
Phone: Cell: 541.326.2550

Company: Advanced Air Contact: Zane Yarnell
Address: 695 E Vilas Road
Email: zane@advancedairandmetal.com
Phone: Cell: 541.890.6928

Company: Adroit Construction Contact: Tyler Hogenson
Address: PO Box 609, Ashland, OR 97520
Email: bids@adroitbuilt.com
Phone: Cell: 541.200.4382

The District will only accept Bids from those firms who signed in at the Mandatory Pre-Bid Meeting. The District will not accept responses where an attendee subrogates their attendance to a firm not in attendance.

EAGLE POINT SCHOOL DISTRICT
TABLE ROCK ELEMENTARY SCHOOL PROJECT
PRE-BID MEETING
SIGN IN
APRIL 13, 2023

Company: Metal Masters Contact: Mark Dukart
Address: 3825 Crater Lake Highway
Email: mark.dukart@metalmasters-inc.com
Phone: _____ Cell: 541.210.2643

Company: _____ Contact: _____
Address: _____
Email: _____
Phone: _____ Cell: _____

Company: _____ Contact: _____
Address: _____
Email: _____
Phone: _____ Cell: _____

Company: _____ Contact: _____
Address: _____
Email: _____
Phone: _____ Cell: _____

Company: _____ Contact: _____
Address: _____
Email: _____
Phone: _____ Cell: _____

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