



February 22, 2024

BCC Agenda Date/Item: _____

Board of County Commissioners
Clackamas County

In the Matter of Approving a Contract with North Santiam Paving for the Loop Road and Parking Lot F Construction Project. Total contract value is \$4,145,600 through February 28, 2025. Funding is through budgeted County General Funds and is eligible for 50% reimbursement from the Oregon Courthouse Capital Construction & Improvement Fund.

| | | | |
|-------------------------------------|--|---------------------------|--------------|
| Previous Board Action/Review | Briefed at Issues February 20, 2024 | | |
| Performance Clackamas | Build (maintain) a strong infrastructure. Ensure a safe, healthy and secure communities. | | |
| Counsel Review | Yes | Procurement Review | Yes |
| Contact Person | Steven Bloemer | Contact Phone | 503-805-9870 |

EXECUTIVE SUMMARY: As the new County Courthouse Project located on the Red Soils Campus takes shape, there are several ancillary projects that are required to be completed to support the new Courthouse’s expected occupancy date in May of 2025. The main support project is the extension and realignment of Loop Road north from Courthouse Road to Warner-Milne Road, and the expansion and reconstruction of the current Parking Lot ‘F’, located southeast of the Public Services Building (PSB).

While the project will be separate from the main Courthouse development, the expectation is to have the two projects running concurrently through calendar year 2024 to streamline and facilitate construction phasing, site access and the timely procurement of materials and services. With the completion of this project, the County will have added 461 paved vehicle stalls, and a completed Loop Road that will provide safe and ample parking and access for employees and visitors.

This bid was advertised in accordance with ORS and LCRB Rules on Dec. 5, 2023, and closed on Jan. 18, 2024. Seven general contracting companies submitted proposals, and after review, North Santiam Paving was determined to be lowest, responsive bidder and recommended for the award of this contract.

RECOMMENDATION: Staff respectfully recommends that the Board approve and sign this contract with North Santiam Paving for the Loop Road and Parking Lot F Construction Project.

Respectfully submitted,

Elizabeth Comfort
Director Finance

For Filing Use Only



CLACKAMAS COUNTY
PUBLIC IMPROVEMENT CONTRACT
 Contract #9137

This Public Improvement Contract (the “Contract”), is made by and between the Clackamas County, a political subdivision of the State of Oregon (“Owner”), and North Santiam Paving Co. (the “Contractor”), both collectively the “Parties”. This Contract shall become effective on the date this Contract has been signed by all the Parties and shall expire upon completion the completion of all obligations under the terms of this Contract unless terminated earlier by the Parties.

All capitalized terms in this Contract shall have the meanings identified in the Clackamas County General Conditions for Public Improvement Contracts (10/13/2021) (“General Conditions”) referenced within the Instructions to Bidders.

Project Name: #2023-102 Loop Road and Parking Lot F Construction

1. Contract Price, Contract Documents and Work.

The Contractor hereby agrees to perform all Work described in, and reasonably inferred from, the Contract Documents. In consideration of the Contractor performing the Work in accordance with the terms of the Contract, the Owner agrees to pay the Contractor the sum of **four million one hundred forty-five thousand six hundred dollars (\$4,145,600.00)** (the "Contract Price"). Payment will be made in accordance with the terms and conditions provided in the Contract Documents. The Contract Price is the amount contemplated by the Base Bid as indicated in the accepted Bid.

The following documents are incorporated by reference in this Contract and made a part hereof:

- Notice of Contract Opportunity
- Supplemental Instructions to Bidders
- Bid Form
- Clackamas County General Conditions
- Prevailing Wage Rates
- Plans, Specifications and Drawings
- Instructions to Bidders
- Bid Bond
- Performance Bond and Payment Bond
- Supplemental General Conditions
- Payroll and Certified Statement Form
- Addenda 1-4

2. Representatives.

Contractor has named Ronald R. Bochsler as its Authorized Representative to act on its behalf. Owner designates, or shall designate, its Authorized Representative as indicted below (check one):

Unless otherwise specified in the Contract Documents, the Owner designates Steven Bloemer as its Authorized Representative in the administration of this Contract. The above-named individual shall be the initial point of contact for matters related to Contract performance, payment, authorization, and to carry out the responsibilities of the Owner.

Name of Owner’s Authorized Representative shall be submitted by Owner in a separate writing.

3. Key Persons.

The Contractor’s personnel identified below shall be considered Key Persons and shall not be replaced during the project without the written permission of Owner, which shall not be unreasonably withheld. If the Contractor intends to substitute personnel, a request must be given to Owner at least 30 days prior to the intended time of substitution. When replacements have been approved by Owner, the Contractor shall provide a transition period of at least 10 working days during which the original and replacement personnel shall be working on the project concurrently. Once a replacement for any of these staff members is authorized, further

replacement shall not occur without the written permission of Owner. The Contractor's project staff shall consist of the following personnel:

Project Executive: Ronald R. Bochsler shall be the Contractor's project executive, and will provide oversight and guidance throughout the project term.

Project Manager: Casey Bochsler shall be the Contractor's project manager and will participate in all meetings throughout the project term.

4. Contract Dates.

The Contractor agrees to complete the Work in accordance with the following key dates:

COMMENCEMENT DATE: Specific Date or Upon Issuance of Notice to Proceed

SUBSTANTIAL COMPLETION DATE: June 1, 2025

FINAL COMPLETION DATE: June 30, 2025

Time is of the essence for this Contract. It is imperative that the Work in this Contract reach Substantial Completion and Final Completion by the above specified dates.

5. Insurance Certificates.

In accordance with Section G.3.5 of the General Conditions, and Item 1 of the Supplemental General Conditions. Contractor shall furnish proof of the required insurance naming Clackamas County as an additional insured. Insurance certificates may be returned with the signed Contract or may be emailed to the County Contract Analyst.

7. Tax Compliance.

The Contractor shall comply with all federal, state and local laws, regulation, executive orders and ordinances applicable to this Contract. Contractor represents and warrants that it has complied, and will continue to comply throughout the duration of this Contract and any extensions, with all tax laws of this state or any political subdivision of this state, including but not limited to ORS 305.620 and ORS chapters 316, 317, and 318. Any violation of this section shall constitute a material breach of this Contract and shall entitle County to terminate this Contract, to pursue and recover any and all damages that arise from the breach and the termination of this Contract, and to pursue any or all of the remedies available under this Contract or applicable law.

8. Confidential Information.

Contractor acknowledges that it and its employees or agents may, in the course of performing their responsibilities under this Contract, be exposed to or acquire information that is confidential to Owner. Any and all information of any form obtained by Contractor or its employees or agents in the performance of this Contract shall be deemed confidential information of Owner ("Confidential Information"). Contractor agrees to hold Confidential Information in strict confidence, using at least the same degree of care that Contractor uses in maintaining the confidentiality of its own confidential information, and not to copy, reproduce, sell, assign, license, market, transfer or otherwise dispose of, give, or disclose Confidential Information to third parties or use Confidential Information for any purpose unless specifically authorized in writing under this Contract.

9. Counterparts. This Contract may be executed in several counterparts, all of which when taken together shall constitute an agreement binding on all Parties, notwithstanding that all Parties are not signatories to the same counterpart. Each copy of the Contract so executed shall constitute an original.

10. Integration.

All provisions of state law required to be part of this Contract, whether listed in the General or Special Conditions or otherwise, are hereby integrated and adopted herein. Contractor acknowledges the obligations thereunder and that failure to comply with such terms is a material breach of this Contract.

The Contract Documents constitute the entire agreement between the parties. There are no other understandings, agreements or representations, oral or written, not specified herein regarding this Contract. Contractor, by the signature below of its authorized representative, hereby acknowledges that it has read this Contract, understands it, and agrees to be bound by its terms and conditions.

11. Compliance with Applicable Law. Contractor shall comply with all federal, state, county, and local laws, ordinances, and regulations applicable to the Work to be done under this Contract including, but not limited to, compliance with the prohibitions set forth in ORS 652.220, compliance of which is a material element of this Contract and failure to comply is a material breach that entitles County to exercise any rights and remedies available under this Contract including, but not limited to, termination for default.

12. Responsibility for Taxes. Contractor is solely responsible for payment of any federal, state, or local taxes required as a result of the Contract or the Work including, but not limited, to payment of the corporate activity tax imposed under enrolled HB 3427 (2019 Oregon regular legislative session). Contractor may not include its federal, state, or local tax obligations as part of the cost to perform the Work.

In witness whereof, Owner executes this Contract and the Contractor does execute the same as of the day and year first above written.

Contractor DATA:
North Santiam Paving Co.
P.O. Box 516
Stayton, Oregon 97383

Contractor CCB # 53247 Expiration Date: 4/27/2025
Oregon Business Registry # 104940-11 Entity Type: DBC State of Formation: Oregon

Payment information will be reported to the IRS under the name and taxpayer ID# provided by the Contractor. Information must be provided prior to contract approval. Information not matching IRS records could subject Contractor to 28 percent backup withholding.

North Santiam Paving Co.

Clackamas County


Authorized Signature Date JAN 31, 2024

Chair Date

RONALD R BOCHSLER - PRESIDENT
Name / Title Printed

Recording Secretary

APPROVED AS TO FORM

 02/05/2024

County Counsel Date



CLACKAMAS COUNTY PUBLIC IMPROVEMENT CONTRACT OPPORTUNITY

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CLACKAMAS COUNTY
NOTICE OF PUBLIC IMPROVEMENT CONTRACT OPPORTUNITY

INVITATION TO BID #2023-102
Loop Road and Parking Lot F Construction
December 5, 2023

Clackamas County ("County") through its Board of County Commissioners is accepting sealed bids for the **Loop Road and Parking Lot F Construction** Project until **January 4, 2024, 2:00 PM**, Pacific Time, ("Bid Closing") at the following location:

Bidding Documents can be downloaded from the state of Oregon procurement website ("OregonBuys") at the following address: <https://oregonbuys.gov/bsv/view/login/login.xhtml>, Document No.S-C01010-00008846.

Prospective Bidders will need to sign in to download the information and that information will be accumulated for a Plan Holder's List. Prospective Bidders are responsible for obtaining any Addenda from Website listed above.

Submitting Proposals: Bid Locker

Proposals will only be accepted electronically thru a secure online bid submission service, **Bid Locker**. *Email submissions to Clackamas County email addresses will no longer be accepted.*

- A. Completed proposal documents must arrive electronically via Bid Locker located at <https://bidlocker.us/a/clackamascountry/BidLocker>.
- B. Bid Locker will electronically document the date and time of all submissions. Completed documents must arrive by the deadline indicated in Section 1 or as modified by Addendum. **LATE PROPOSALS WILL NOT BE ACCEPTED.**
- C. Proposers must register and create a profile for their business with Bid Locker in order to submit for this project. It is free to register for Bid Locker.
- D. Proposers with further questions concerning Bid Locker may review the Vendor's Guide located at <https://www.clackamas.us/how-to-bid-on-county-projects>.

Engineers Estimate: \$8,100,000.00

Contact Information

Procurement Process and Technical Questions: Ryan Rice, rrice@clackamas.us.

Bids will be opened and publicly read aloud at the above Delivery address after the Bid Closing. Bid results will also be posted to the OregonBuys listing shortly after the opening.

Prevailing Wage

Prevailing Wage Rates requirements apply to this Project because the maximum compensation for all Owner-contracted Work is more than \$50,000. Contractor and all subcontractors shall comply with the provisions of ORS 279C.800 through 279C.870, relative to Prevailing Wage Rates. The Bureau of Labor and Industries (BOLI) wage rates and requirements set forth in the following BOLI booklet (and any listed amendments to that booklet), which are incorporated herein by reference, apply to the Work authorized under this Agreement:

PREVAILING WAGE RATES for Public Works Contracts in Oregon, October 5, 2023, which can be downloaded at the following web address: http://www.oregon.gov/boli/WHD/PWR/Pages/pwr_state.aspx
The Work will take place in Clackamas County, Oregon. Clackamas County encourages bids from Minority, Women, and Emerging Small Businesses.



CLACKAMAS COUNTY PUBLIC IMPROVEMENT CONTRACT

INSTRUCTIONS TO BIDDERS

Clackamas County Local Contract Review Board Rules (“LCRB Rules”) govern this procurement process. LCRB Rules may be found at: <http://www.clackamas.us/code/documents/appendixc.pdf>. The Instructions to Bidders is applicable to the procurement process for Clackamas County, or any component unit thereof identified on the Notice of Public Improvement Contract Opportunity, herein after referred to as the “Owner.”

Article 1. Scope of Work

The work contemplated under this contract with the Owner, includes all labor, materials, transportation, equipment and services necessary for, and reasonably incidental to, the completion of all construction work in connection with the project described in the Project Manual which includes, but is not necessarily limited to, the Notice of Public Improvement Contract Opportunity, Instructions to Bidders, Supplemental Instructions to Bidders, Bid Form, Bid Bond, Public Improvement Contract Form, Performance Bond, Payment Bond, Clackamas County General Conditions for Public Improvement Contracts (10/13/2021), Supplemental General Conditions, and Plans, Specifications and Drawings.

Article 2. Examination of Site and Conditions

Before making a Bid, the Bidder shall examine the site of the work and ascertain all the physical conditions in relation thereto. The Bidder shall also make a careful examination of the Project Manual including the plans, specifications, and drawings and other contract documents, and shall be fully informed as to the quality and quantity of materials and the sources of supply of the materials. Failure to take these steps will not release the successful Bidder from entering into the contract nor excuse the Bidder from performing the work in strict accordance with the terms of the contract at the

price established by the Bid.

The Owner will not be responsible for any loss or for any unanticipated costs, which may be suffered by the successful Bidder, as a result of such Bidder's failure to be fully informed in advance with regard to all conditions pertaining to the work and the character of the work required, including site conditions. No statement made by an elected official, officer, agent, or employee of the Owner in relation to the physical or other conditions pertaining to the site of the work will be binding on the Owner, unless covered by the Project Manual or an Addendum.

Article 3. Interpretation of Project Manual and Approval of Materials Equal to Those Provided in the Specifications

If any Bidder contemplating submitting a Bid for the proposed contract is in doubt as to the true meaning of any part of the plans, specifications or forms of contract documents, or detects discrepancies or omissions, such Bidder may submit to the Architect (read "Engineer" throughout in lieu of Architect as appropriate) a written request for an interpretation thereof at least ten (10) calendar days prior to the date set for the Bid Closing.

When a prospective Bidder seeks approval of a particular manufacturer's material, process or item of equal value, utility or merit other than that designated by the Architect in the Project Manual, the Bidder may submit to the Architect a written request for approval of such substitute at least ten (10) calendar days prior to the date set for the Bid Closing. The prospective Bidder submitting the request will be responsible for its prompt delivery.

Requests of approval for a substitution from that specified shall be accompanied by samples, records of performance, certified copies of tests by

impartial and recognized laboratories, and such other information as the Architect may request.

To establish a basis of quality, certain processes, types of machinery and equipment or kinds of materials may be specified in the Project Manual either by description of process or by designating a manufacturer by name and referring to a brand or product designation or by specifying a kind of material. Whenever a process is designated or a manufacturer's name, brand or item designation is given, or whenever a process or material covered by patent is designated or described, it shall be understood that the words "or approved equal" follow such name, designation or description, whether in fact they do so or not.

Any interpretation of the Project Manual or approval of manufacturer's material will be made only by an Addendum duly issued. All Addenda will be posted to the OregonBuys listing and will become a part of the Project Manual. The Owner will not be responsible for any other explanation or interpretation of the Project Manual nor for any other approval of a particular manufacturer's process or item for any Bidder.

When the Architect approves a substitution by Addendum, it is with the understanding that the Contractor guarantees the substituted article or material to be equal or better than the one specified.

Article 4. Security to Be Furnished by Each Bidder

Each Bid must be accompanied by either 1) a cashier's check or a certified check drawn on a bank authorized to do business in the State of Oregon, or 2) a Bid bond described hereinafter, executed in favor of the Owner, for an amount equal to ten percent (10%) of the total amount Bid as a guarantee that, if awarded the contract, the Bidder will execute the contract and provide a performance bond and payment bond as required. The successful Bidder's check or Bid bond will be retained until the Bidder has entered into a contract satisfactory to Owner and furnished a one hundred percent (100%) performance bond and one hundred percent (100%) payment bond. The Owner

reserves the right to hold the Bid security as described in Article 10 hereof. Should the successful Bidder fail to execute and deliver the contract as provided for in Article 12 hereof, including a satisfactory performance bond and payment bond within twenty (20) calendar days after the Bid has been accepted by the Owner, then the contract award made to such Bidder may be considered canceled and the Bid security may be forfeited as liquidated damages at the option of the Owner. The date of the acceptance of the Bid and the award of the contract as contemplated by the Project Manual shall mean the date of acceptance specified in the Notice of Intent to Award.

Article 5. Execution of Bid Bond

Should the Bidder elect to utilize a Bid bond as described in Article 4 in order to satisfy the Bid security requirements, such form must be completed in the following manner:

- A. Bid bonds must be executed on the County forms, which will be provided to all prospective Bidders by the Owner.
- B. The Bid bond shall be executed on behalf of a bonding company licensed to do business in the State of Oregon.
- C. In the case of a sole individual, the bond need only be executed as principal by the sole individual. In the case of a partnership, the bond must be executed by at least one of the partners. In the case of a corporation, the bond must be executed by stating the official name of the corporation under which is placed the signature of an officer authorized to sign on behalf of the corporation followed by such person's official capacity, such as president, etc. The corporation seal should then be affixed to the bond.
- D. The name of the surety must be stated in the execution over the signature of its duly authorized attorney-in-fact and accompanied by the seal of the surety corporation.

Article 6. Execution of the Bid Form

Each Bid shall be made in accordance with: (i) the sample Bid Form accompanying these instructions; (ii) the appropriate signatures for a sole individual, partnership, corporation or limited liability corporation shall be added as noted in Article 5C above; (iii) numbers pertaining to base Bids shall be stated both in writing and in figures; and (iv) the Bidder's address shall be typed or printed.

The Bid Form relates to Bids on a specific Project Manual. Only the amounts and information asked for on the Bid Form furnished will be considered as the Bid. Each Bidder shall Bid upon the work exactly as specified and provided in the Bid Form. The Bidder shall include in the Bid a sum to cover the cost of all items contemplated by the Contract. The Bidder shall Bid upon all alternates that may be indicated on the Bid Form. When Bidding on an alternate for which there is no charge, the Bidder shall write the words "No Charge" in the space provided on the Bid Form. If one or more alternates are shown on the Bid Form, the Bidder shall indicate whether each is "add" or "deduct."

Article 7. Prohibition of Alterations to Bid

Bids that are incomplete, or contain ambiguities or have differing conditions required by the Bidder, including requested changes or exceptions to the Public Improvement Contract form or other portions of the Project Manual, may be rejected in Owner's sole and absolute discretion.

Article 8. Submission of Bid

Each Bid shall be sealed in an envelope, properly addressed to the Owner, showing on the outside of the envelope the name of the Bidder and the name of the project. Bids will be received at the time and place stated in the Notice of Public Improvement Contract Opportunity.

Article 9. Bid Closing and Opening of Bids

All Bids must be received by the Owner at the place and time set for the Bid Closing. Any Bids received after the scheduled Bid Closing time for

receipt of Bids will be rejected.

At the time of opening and reading of Bids, each Bid received will be publicly opened and read aloud, irrespective of any irregularities or informalities in such Bids.

Generally, Bid results will be posted to the OregonBuys Website within a couple hours of the opening.

Article 10. Acceptance or Rejection of Bids by Owner

Unless all Bids are rejected, the Owner will award a contract based on the lowest responsive Bid from a responsible Bidder. If that Bidder does not execute the contract, it will be awarded to the next lowest responsible Bidder or Bidders in succession.

The Owner reserves the right to reject all Bids and to waive minor informalities. The procedures for contract awards shall be in compliance with the provisions of the LCRB Rules in effect at that time.

The Owner reserves the right to hold the Bid and Bid security of the three lowest Bidders for a period of thirty (30) calendar days from and after the time of Bid opening pending award of the contract. Following award of the contract the Bid security of the three lowest Bidders may be held twenty (20) calendar days pending execution of the contract. All other Bids will be rejected and Bid security will be returned.

In determining the lowest Bidder, the Owner reserves the right to take into consideration any or all authorized base Bids as well as alternates or combinations indicated in the Bid Form.

If no Bid has been accepted within thirty (30) calendar days after the opening of the Bids, each of the three lowest Bidders may withdraw the Bid submitted and request the return of the Bid security.

Article 11. Withdrawal of Bid

At any time prior to the Bid Closing, a Bidder may withdraw its Bid. This will not preclude the

submission of another Bid by such Bidder prior to the time set for the Bid Closing.

After the time set for the Bid Closing, no Bidder will be permitted to withdraw its Bid within the time frames specified in Article 10 for award and execution, except as provided for in that Article.

Article 12. Execution of Contract, Performance Bond and Payment Bond

The Owner will provide the successful Bidder with contract forms within seven (7) calendar days after the completion of the award protest period. The Bidder is required to execute the contract forms as provided, including a performance bond and a payment bond from a surety company licensed to do surety business in the State of Oregon, within seven (7) calendar days after receipt of the contract forms. The contract forms shall be delivered to the Owner in the number called for and to the location as instructed by the Owner.

Article 13. Recyclable Products

Contractors will use recyclable products to the maximum extent economically feasible in the performance of the Contract.

Article 14. Clarification or Protest of the Solicitation Document or Specifications

Any request for clarification or protest of the solicitation document or specifications must be submitted in the manner provided for in the applicable section of the LCRB Rules to the Procurement Representative referenced in the Notice of Public Improvement Contract Opportunity.

A protest of the Solicitation Document must be received within seven (7) business days of the issuance of the Bid or within three (3) business days of issuance of an addendum.

Requests for clarification may be submitted no less than five (5) business days prior to the Bid Closing Date.

Article 15. Protest of Intent to Award

Owner will name the apparent successful Bidder in a "Notice of Intent to Award" letter. Identification of the apparent successful Bidder is procedural only and creates no right in the named Bidder to the award of the contract. Competing Bidders will be notified by publication of the Notice of Intent to Award on the OregonBuys Website of the selection of the apparent successful Bidder(s) and Bidders shall be given seven (7) calendar days from the date on the "Notice of Intent to Award" letter to review the file at the Procurement Division office and file a written protest of award, pursuant to C-049-0450. Any award protest must be in writing and must be delivered by email, hand delivery, or mail to the Procurement Division Director at: Procurement Division, 2051 Kaen Road, Oregon City, OR 97045.

Article 16. Disclosure of First-Tier Subcontractors

Within two (2) working hours after the Bid Closing, all Bidders shall submit to the County a disclosure form identifying any first-tier subcontractors (those entities that would be contracting directly with the prime contractor) that will be furnishing labor and materials on the contract, if awarded, whose subcontract value would be equal to or greater than: (a) Five percent (5%) of the total contract price, but at least \$15,000; or (b) \$350,000, regardless of the percentage of the total contract price.

Disclosures may be submitted with the Bid or may be hand delivered to the Bid Closing address or emailed to the Contract Information Analyst listed on the Notice of Contract Opportunity.



**CLACKAMAS COUNTY
PUBLIC IMPROVEMENT CONTRACT**

SUPPLEMENTAL INSTRUCTIONS TO BIDDERS

Project Name #2023-102 Loop Road and Parking Lot F Construction

The following modify the Clackamas County “Instructions to Bidders” for this Project. Where a portion of the Instructions to Bidders has been modified by these Supplemental Instructions to Bidders, the unaltered portions shall remain in effect.

- 1. Electronic Submissions:** The County is requiring all bids for this project be electronically submitted. Complete Bids (including all attachments) will only be accepted electronically thru a secure online bid submission service, Bid Locker. Email submissions to Clackamas County email addresses will no longer be accepted.
<https://bidlocker.us/a/clackamascounty/BidLocker>.

Bids will be publicly read aloud via the computer application, Zoom. Bidders will be allowed to video conference or listen by phone to the bid results. The projects Zoom meeting can be accessed via the information below:

Join Zoom Meeting

<https://clackamascounty.zoom.us/j/86483935771>

Meeting ID: 864 8393 5771

One tap mobile

+16699006833,,86483935771# US (San Jose)

+17193594580,,86483935771# US

****The Apparent Low bid results will be posted to the projects OregonBuys listing as soon as possible following the bid opening.**

- 2. Good Faith Effort:** Clackamas County encourages participation in contracts by Historically Underrepresented Businesses. “Historically Underrepresented Businesses” are State of Oregon-certified and self-identified minority, women and emerging small business as well as firms that are certified federally or by another state or entity with substantially similar requirements as the State of Oregon.

Bidders must perform Good Faith Effort (defined below) and submit **Form 1 and Form 2** for the Bidders Bid to be considered responsive. **Form 1 and Form 2** must be submitted within **two (2) hours** after the Closing Date and Time. Form 1 and Form 2 may be submitted to either the Contact Information Analyst listed on Notice of Contract Opportunity or via the <https://bidlocker.us/a/clackamascounty/BidLocker> listing.

“Good Faith Effort” is a requirement of a prime contractor to reach out to at least three Historically Underrepresented Business Subcontractors for each division of work that

will be subcontracted out and to complete the required forms. If fewer than three Historically Underrepresented Business Subcontractors are reasonably available for a particular division of work, the Bidder must specifically note the reason for there being fewer than three contacts. The outreach should be performed with sufficient time to give the subcontractors at least 5 calendar days to respond to the opportunity. Form 3, which documents the actual amount of subcontractors on the project, must be submitted with the project final pay application. Compliance with the Good Faith Effort and submission of Forms 1, 2 and 3 is a contractual requirement for final payment.

The sufficiency of the documentation or the performance of Good Faith Effort shall be in the sole and absolute determination of Clackamas County. Only those Bidders that Clackamas County has determined have not sufficiently performed Good Faith Effort shall have protest rights of the determination for such Bidder. No Bidder shall have protest rights of the sufficiency of any other Bidder completing Good Faith Effort.

**CLACKAMAS COUNTY
GOOD FAITH EFFORT
SUBCONTRACTOR AND SELF-PERFORMED WORK LIST
(FORM 1)**

Prime Contractor Name: North Santiam Paving Co.

Total Contract Amount: TBD

Project Name: #2023-102 Loop Road and Parking Lot F Construction

PRIME SELF-PERFORMING: Identify below ALL GFE Divisions of Work (DOW) to be self-performed. Good Faith Efforts are otherwise required.

| DOW BIDDER WILL SELF-PERFORM (GFE not required) | |
|--|--|
| Excavation | |
| Underground Utilities | |
| Rocking | |
| Asphalt Paving | |

PRIME CONTRACTOR SHALL DISCLOSE AND LIST ALL SUBCONTRACTORS, including those Minority-owned, Woman-owned, and Emerging Small Businesses ("MW/ESB") that you intend to use on the project. Delivery via bid locker <https://bidlocker.us/a/clackamascounty/BidLocker> within 2 hours of the BID/Quote Closing Date/Time.

| LIST ALL SUBCONTRACTORS BELOW Use correct legal name of Subcontractor (No Assumed Business Names) | Division of Work (Painting, electrical, landscaping, etc.) List ALL DOW performed by Subcontractors | DOLLAR AMOUNT OF SUBCONTRACT | If Certified or self-reporting MBE/WBE/ESB Subcontractor | | |
|--|---|------------------------------------|---|-------------------------------------|--------------------------|
| | | | Check box <input checked="" type="checkbox"/> | | |
| | | | MBE | WBE | ESB |
| Name Andres Landscape Address PO Box 1131 City/St/Zip Oregon City, OR 97045 Phone# (503) 632-3366 OCCB# 203183 | Landscape | \$429,500 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Name D & D Concrete and Utilities Inc. Address 8319 S Gribble Rd City/St/Zip Canby, OR 97013 Phone# (503) 266-5229 OCCB# 219262 | Concrete | \$399,761 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Name NorthStar Electrical Contractors Address 11055 SW Clay St City/St/Zip Sherwood, OR 97140 Phone# (503) 612-0840 OCCB# 90454 | Electrical | \$556,000 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Name CBK Constructors LLC Address PO Box 722 City/St/Zip Canby, OR 97013 Phone# (503) 866-1305 OCCB# 186219 | Fence | \$15,000 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

GFE SUBCONTRACTOR AND SELF-PERFORMED WORK LIST (FORM 1) cont'd

Prime Contractor Name: North Santiam Paving Co. Total Contract Amount: TBD

Project Name: #2023-102 Loop Road and Parking Lot Construction

| LIST ALL SUBCONTRACTORS BELOW Use <u>correct legal name</u> of Subcontractor (No Assumed Business Names) | Division of Work (Painting, electrical, landscaping, etc.) List ALL DOW performed by Subcontractors | DOLLAR AMOUNT OF SUBCONTRACT | If Certified or self-reporting MBE/WBE/ESB Subcontractor Check box <input checked="" type="checkbox"/> | | |
|--|--|---|--|-------------------------------------|-------------------------------------|
| | | | MBE | WBE | ESB |
| Name High Quality Traffic Control LLC Address 15400 Libby Ln SE City/St/Zip Jefferson, OR 97352 Phone# OCCB# (503) 949-8656 233615 | Flagging | TBD | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Name Address City/St/Zip Phone# OCCB# | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Name Address City/St/Zip Phone# OCCB# | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Name Address City/St/Zip Phone# OCCB# | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Name Address City/St/Zip Phone# OCCB# | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Name Address City/St/Zip Phone# OCCB# | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Name Address City/St/Zip Phone# OCCB# | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

**CLACKAMAS COUNTY
GOOD FAITH EFFORT
M/WESB CONTACT / BIDS RECEIVED LOG
(FORM 2)**

Prime Contractor: North Santiam Paving Co.
Project: #2023-102 Loop Road and Parking Lot F Construction

Prime Contractor must contact or endeavor to contact at least 3 M/WESB Subcontractors for each Division of Work. Prime Contractor shall record its contacts with M/WESB Subcontractors through use of this log (or equivalent) entering all required information. All columns shall be completed where applicable. Additional forms may be copied if needed.

| NAME OF M/WESB SUBCONTRACTOR | Divisions of Work (Painting, electrical, landscaping, etc.) | Date Solicitation Letter / Fax Sent | PHONE CONTACT | | BID ACTIVITY Check Yes or No | | | REJECTED BIDS (if bid received & not used) | | Notes |
|-------------------------------------|---|-------------------------------------|---------------|-----------------------|--|--|--|---|---|-------|
| | | | Date of Call | Person Receiving Call | Will Bid | Bid Received | Bid Used | Bid Amount | Reason Not Used (Price, Scope or Other. If Other, explain in Notes>>) | |
| A.B. Utility Contractors Inc | Concrete | 12/29/23 | 1/17/24 | No Answer | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Bartlett Construction | Concrete / Saw Cutting | 12/29/23 | 1/17/24 | Paul | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Berrien Concrete LLC | Concrete | 12/29/23 | 1/17/24 | Message | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Price High | |
| Guido Construction Inc | Concrete | 12/29/23 | 1/17/24 | Dorena | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Zavala Corporation | Concrete | 12/29/23 | 1/17/24 | Message | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Bedrock Commercial Concrete Cutting | Saw Cutting / Concrete | 12/29/23 | 1/17/24 | Message | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Price High | |
| Brothers Concrete Cutting Inc | Saw Cutting | 12/29/23 | 1/17/24 | T.J. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |

**CLACKAMAS COUNTY
GOOD FAITH EFFORT
M/W/ESB CONTACT / BIDS RECEIVED LOG
(FORM 2)**

Prime Contractor: North Santiam Paving Co.
Project: #2023-102 Loop Road and Parking Lot F Construction

Prime Contractor must contact or endeavor to contact at least 3 M/W/ESB Subcontractors for each Division of Work. Prime Contractor shall record its contacts with M/W/ESB Subcontractors through use of this log (or equivalent) entering all required information. All columns shall be completed where applicable. Additional forms may be copied if needed.

| NAME OF M/W/ESB SUBCONTRACTOR | Divisions of Work (Painting, electrical, landscaping, etc.) | Date Solicitation Letter / Fax Sent | PHONE CONTACT | | BID ACTIVITY Check Yes or No | | | REJECTED BIDS (if bid received & not used) | | Notes |
|----------------------------------|---|-------------------------------------|---------------|-----------------------|--|--|--|---|---|-------|
| | | | Date of Call | Person Receiving Call | Will Bid | Bid Received | Bid Used | Bid Amount | Reason Not Used (Price, Scope or Other. If Other, explain in Notes>>) | |
| Fritz Cutting and Coring | Saw Cutting | 12/29/23 | 1/17/24 | Message | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| A+ Flagging Inc | Flagger / Pilot Car | 12/29/23 | 1/17/24 | Chris | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| High Quality Traffic Control LLC | Flagger / Pilot Car | 12/29/23 | 1/17/24 | Shelly | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| IMN Traffic Specialties LLC | Flagger / Pilot Car | 12/29/23 | 1/17/24 | Message | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Lord & Associates Inc | Flagger / Pilot Car | 12/29/23 | 1/17/24 | Message | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Egami Construction Inc | Signs / Striping | 12/29/23 | 1/17/24 | Reed | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Gage It Construction LLC | Signs / Rail | 12/29/23 | 1/17/24 | Message | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |

**CLACKAMAS COUNTY
GOOD FAITH EFFORT
M/W/ESB CONTACT / BIDS RECEIVED LOG
(FORM 2)**

Prime Contractor: North Santiam Paving Co.

Project: #2023-102 Loop Road and Parking Lot F Construction

Prime Contractor must contact or endeavor to contact at least 3 M/W/ESB Subcontractors for each Division of Work. Prime Contractor shall record its contacts with M/W/ESB Subcontractors through use of this log (or equivalent) entering all required information. All columns shall be completed where applicable. Additional forms may be copied if needed.

| NAME OF M/W/ESB SUBCONTRACTOR | Divisions of Work (Painting, electrical, landscaping, etc.) | Date Solicitation Letter / Fax Sent | PHONE CONTACT | | BID ACTIVITY Check Yes or No | | | REJECTED BIDS (if bid received & not used) | | Notes |
|---|---|-------------------------------------|---------------|-----------------------|--|---|--|---|---|-------|
| | | | Date of Call | Person Receiving Call | Will Bid | Bid Received | Bid Used | Bid Amount | Reason Not Used (Price, Scope or Other. If Other, explain in Notes>>) | |
| JBL Signs Striping and Supplies | Signs / Striping | 12/29/23 | 1/17/24 | Message | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| DT Striping LLC | Striping | 12/29/23 | 1/17/24 | Message | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Cartello Construction | Signs / Markers | 12/29/23 | 1/17/24 | No Answer | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Coral Sales Company | Signs / Markers | 12/29/23 | 1/17/24 | No Answer | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| CBK Constructors LLC | Rails | 12/29/23 | 1/17/24 | Christina | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Pacific Rim Service and Construction Co | Signs / Rails | 12/29/23 | 1/17/24 | Ben | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Faison Construction Inc. | Rails | 12/29/23 | 1/17/24 | No Answer | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Price High | |

**CLACKAMAS COUNTY
GOOD FAITH EFFORT
M/W/ESB CONTACT / BIDS RECEIVED LOG
(FORM 2)**

Prime Contractor: North Santiam Paving Co.
Project: #2023-102 Loop Road and Parking Lot F Construction

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| NAME OF M/W/ESB SUBCONTRACTOR | Divisions of Work (Painting, electrical, landscaping, etc.) | Date Solicitation Letter / Fax Sent | PHONE CONTACT | | BID ACTIVITY Check Yes or No | | | REJECTED BIDS (if bid received & not used) | | Notes |
|---|---|-------------------------------------|---------------|-----------------------|--|--|--|---|---|-------|
| | | | Date of Call | Person Receiving Call | Will Bid | Bid Received | Bid Used | Bid Amount | Reason Not Used (Price, Scope or Other. If Other, explain in Notes>>) | |
| Pac Green Landscape | Landscape | 12/29/23 | 1/17/24 | No Answer | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| Andersons Erosion Control Inc. | Landscape | 12/29/23 | 1/17/24 | Jim | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Price High | |
| Fox Erosion Control and Landscape Inc. | Landscape | 12/29/23 | 1/17/24 | Terry | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| Valley Growers Nursery & Landscape Inc. | Landscape | 12/29/23 | 1/17/24 | Message | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| Cox Electric Inc | Electrical | 12/29/23 | 1/17/24 | No Answer | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| Affordable Electric Inc. | Electrical | 12/29/23 | 1/17/24 | Message | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| Nexus Electrical Group LLC | Electrical | 12/29/23 | 1/17/24 | No Answer | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |

**CLACKAMAS COUNTY
GOOD FAITH EFFORT
M/W/ESB CONTACT / BIDS RECEIVED LOG
(FORM 2)**

Prime Contractor: North Santiam Paving Co.
Project: #2023-102 Loop Road and Parking Lot F Construction

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| NAME OF M/W/ESB SUBCONTRACTOR | Divisions of Work (Painting, electrical, landscaping, etc.) | Date Solicitation Letter / Fax Sent | PHONE CONTACT | | BID ACTIVITY Check Yes or No | | | REJECTED BIDS (if bid received & not used) | | Notes |
|---------------------------------|---|-------------------------------------|---------------|-----------------------|--|--|--|---|---|-------|
| | | | Date of Call | Person Receiving Call | Will Bid | Bid Received | Bid Used | Bid Amount | Reason Not Used (Price, Scope or Other. If Other, explain in Notes>>) | |
| Arck Construction Company | Testing / Inspection | 12/29/23 | 1/17/24 | Kristal | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| FEL Testing and Inspection Inc. | Testing / Inspection | 12/29/23 | 1/17/24 | Rachel | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| NVL Laboratories Inc. | Testing / Inspection | 12/29/23 | 1/17/24 | No Answer | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Kurahashi & Assoc Company | Survey | 12/29/23 | 1/17/24 | Greg | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | | Price High | |
| Recorp LLC | Survey | 12/29/23 | 1/17/24 | Message | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | | Price High | |
| PTS Surveying Inc. | Survey | 12/29/23 | 1/17/24 | No Answer | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| | | | | | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |



CLACKAMAS COUNTY
PUBLIC IMPROVEMENT CONTRACT

BID BOND

Project Name: #2023-102 Loop Road and Parking Lot F Construction

We, North Santiam Paving Co, as "Principal,"
(Name of Principal)

and Federal Insurance Company, an Indiana Corporation,
(Name of Surety)

authorized to transact Surety business in Oregon, as "Surety," hereby jointly and severally bind ourselves, our respective heirs, executors, administrators, successors and assigns to pay unto Clackamas County ("Obligee") the sum of (\$ 10% of Bid Amount)

Ten Percent of Amount Bid dollars.

WHEREAS, the condition of the obligation of this bond is that Principal has submitted its proposal or bid to an agency of the Obligee in response to Obligee's procurement document (No.2023-12) for the project identified above which proposal or bid is made a part of this bond by reference, and Principal is required to furnish bid security in an amount equal to ten (10%) percent of the total amount of the bid pursuant to the procurement document.

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a Contract with the Obligee in accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such Contract and give such bond or bonds, if the Principal shall pay to the Obligee the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the Obligee may in good faith contract with another party to perform the Work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

IN WITNESS WHEREOF, we have caused this instrument to be executed and sealed by our duly authorized legal representatives this 2nd day of January, 2024.

Principal: North Santiam Paving Co

Surety: Federal Insurance Company

By: [Signature]
Signature

By: Attorney-In-Fact [Signature]

PRESIDENT
Official Capacity

Shellie Loop- Attorney-In-Fact
Name

Attest: [Signature]
Corporation Secretary

P O Box 190
Address

Stayton OR 97383
City State Zip

503-769-7105 503-769-7805
Phone Fax



Power of Attorney

Federal Insurance Company | Vigilant Insurance Company | Pacific Indemnity Company
Westchester Fire Insurance Company | ACE American Insurance Company

Know All by These Presents, that FEDERAL INSURANCE COMPANY, an Indiana corporation, VIGILANT INSURANCE COMPANY, a New York corporation, PACIFIC INDEMNITY COMPANY, a Wisconsin corporation, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY corporations of the Commonwealth of Pennsylvania, do each hereby constitute and appoint Kimberly Smith of Albany, Oregon; Deborah D. Ford-Bates of Lebanon, Oregon; Julee Korkow and Shellie Loop of Stayton, Oregon

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY have each executed and attested these presents and affixed their corporate seals on this 30th day of July, 2021.

Dawn M. Chloros

Dawn M. Chloros, Assistant Secretary

Stephen M. Haney

Stephen M. Haney, Vice President



STATE OF NEW JERSEY
County of Hunterdon ss.

On this 30th day of July, 2021 before me, a Notary Public of New Jersey, personally came Dawn M. Chloros and Stephen M. Haney, to me known to be Assistant Secretary and Vice President, respectively, of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY, the companies which executed the foregoing Power of Attorney, and the said Dawn M. Chloros and Stephen M. Haney, being by me duly sworn, severally and each for herself and himself did depose and say that they are Assistant Secretary and Vice President, respectively, of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY and know the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of said Companies; and that their signatures as such officers were duly affixed and subscribed by like authority.

Notarial Seal



KATHERINE J. ADELAAR
NOTARY PUBLIC OF NEW JERSEY
No. 2316968
Commission Expires July 18, 2024

Katherine J. Adelaar
Notary Public

CERTIFICATION

Resolutions adopted by the Boards of Directors of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY on August 30, 2016; WESTCHESTER FIRE INSURANCE COMPANY on December 11, 2006; and ACE AMERICAN INSURANCE COMPANY on March 20, 2009:

"RESOLVED, that the following authorizations relate to the execution, for and on behalf of the Company, of bonds, undertakings, recognizances, contracts and other written commitments of the Company entered into in the ordinary course of business (each a "Written Commitment"):

- (1) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise.
- (2) Each duly appointed attorney-in-fact of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise, to the extent that such action is authorized by the grant of powers provided for in such person's written appointment as such attorney-in-fact.
- (3) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to appoint in writing any person the attorney-in-fact of the Company with full power and authority to execute, for and on behalf of the Company, under the seal of the Company or otherwise, such Written Commitments of the Company as may be specified in such written appointment, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.
- (4) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to delegate in writing to any other officer of the Company the authority to execute, for and on behalf of the Company, under the Company's seal or otherwise, such Written Commitments of the Company as are specified in such written delegation, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.
- (5) The signature of any officer or other person executing any Written Commitment or appointment or delegation pursuant to this Resolution, and the seal of the Company, may be affixed by facsimile on such Written Commitment or written appointment or delegation.

FURTHER RESOLVED, that the foregoing Resolution shall not be deemed to be an exclusive statement of the powers and authority of officers, employees and other persons to act for and on behalf of the Company, and such Resolution shall not limit or otherwise affect the exercise of any such power or authority otherwise validly granted or vested."

I, Dawn M. Chloros, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY (the "Companies") do hereby certify that

- (i) the foregoing Resolutions adopted by the Board of Directors of the Companies are true, correct and in full force and effect,
- (ii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Whitehouse Station, NJ, this 2nd Day of January, 2024



Dawn M. Chloros

Dawn M. Chloros, Assistant Secretary

IN THE EVENT YOU WISH TO VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT:
Telephone (908) 903-3493 Fax (908) 903-3656 e-mail: surety@chubb.com



CLACKAMAS COUNTY
PUBLIC IMPROVEMENT CONTRACT

BID FORM

PROJECT: #2023-102 Loop Road and Parking Lot F Construction
BID CLOSING: January 4, 2024, 2:00 PM, Pacific Time
BID OPENING: January 4, 2024, 2:05 PM, Pacific Time

FROM: North Santiam Paving Co.
Bidder's Name (must be full legal name, not ABN/DBA)

TO: <https://bidlocker.us/a/clackamascountry/BidLocker>

1. Bidder is (check one of the following and insert information requested):

- a. An individual; or
- b. A partnership registered under the laws of the State of _____; or
- c. A corporation organized under the laws of the State of Oregon; or
- d. A limited liability corporation organized under the laws of the State of _____;

and authorized to do business in the State of Oregon hereby proposes to furnish all material and labor and perform all work hereinafter indicated for the above project in strict accordance with the Contract Documents for the Basic Bid as follows:

Four Million, One Hundred Forty-Five Thousand, Dollars (\$ 4,145,600.00)
Six Hundred Dollars and Zero Cents

and the Undersigned agrees to be bound by the following documents:

- Notice of Public Improvement Contract Opportunity
 - Instructions to Bidders
 - Bid Bond
 - Public Improvement Contract Form
 - Clackamas County General Conditions
 - Prevailing Wage Rates
 - Plans, Specifications and Drawings
 - Supplemental Instructions to Bidders
 - Bid Form
 - Performance Bond and Payment Bond
 - Supplemental General Conditions
 - Payroll and Certified Statement Form
- ADDENDA numbered 1 through 4, inclusive (fill in blanks)

2. The Undersigned proposes to add to or deduct from the Base Bid indicated above the items of work relating to the following Alternate(s) as designated in the Specifications: N/A.

3. The Undersigned proposes to add to or deduct from the Base Bid indicated above the items or work relating to the following Unit Price(s) as designated in the Specifications, for which any adjustments in the Contract amount will be made in accordance with Section D of the Clackamas County General Conditions: Lump Sum Bid.

4. The work shall be completed within the time stipulated and specified in the Contract Documents.

5. Accompanying herewith is Bid Security which is equal to ten percent (10%) of the total amount of the Basic Bid, plus the total sum of all Alternatives (if any).

6. The Undersigned agrees, if awarded the Contract, to execute and deliver to Clackamas County, within twenty (20) calendar days after receiving the Contract forms, a Contract Form, and a satisfactory Performance Bond and Payment Bond each in an amount equal to one hundred percent (100%) of the Contract sum, using forms provided by the Owner. The surety requested to issue the Performance Bond and Payment Bond will be:

Federal Insurance Group - Chubb

(name of surety company - not insurance agency)

The Undersigned hereby authorizes said surety company to disclose any information to the Owner concerning the Undersigned's ability to supply a Performance Bond and Payment Bond each in the amount of the Contract.

7. The Undersigned further agrees that the Bid Security accompanying the Bid is left in escrow with Clackamas County; that the amount thereof is the measure of liquidated damages which the Owner will sustain by the failure of the Undersigned to execute and deliver the above-named Contract Form, Performance Bond and Payment Bond, each as published, and that if the Undersigned defaults in either executing the Contract Form or providing the Performance Bond and Payment Bond within twenty (20) calendar days after receiving the Contract forms, then the Bid Security shall become the property of the Owner at the Owner's option; but if the Bid is not accepted within thirty (30) calendar days of the time set for the opening of the Bids, or if the Undersigned executes and timely delivers said Contract Form, Performance Bond and Payment Bond, the Bid Security shall be returned.

8. The Undersigned certifies that: (i) This Bid has been arrived at independently and is being submitted without collusion with and without any agreement, understanding, or planned common course of action with any other vendor of materials, supplies, equipment or services described in the invitation to bid designed to limit independent bidding or competition; and (ii) the contents of the Bid have not been communicated by the Undersigned or its employees or agents to any person not an employee or agent of the Undersigned or its surety on any Bond furnished with the Bid and will not be communicated to such person prior to the official opening of the Bid.

9. The undersigned HAS, HAS NOT (*check one*) paid unemployment or income taxes in Oregon within the past 12 months and DOES, DOES NOT (*check one*) a business address in Oregon. The undersigned acknowledges that, if the selected bidder, that the undersigned will have to pay all applicable taxes and register to do business in the State of Oregon before executing the Contract Form.

10. The Undersigned agrees, if awarded a contract, to comply with the provisions of ORS 279C.800 through 279C.870 pertaining to the payment of the prevailing rates of wage.

11. Contractor's CCB registration number is 53247. As a condition to submitting a bid, a Contractor must be registered with the Oregon Construction Contractors Board in accordance with ORS 701.035 to 701.055, and disclose the registration number. Failure to register and disclose the number will make the bid unresponsive and it will be rejected, unless contrary to federal law.

12. The successful Bidder hereby certifies that all subcontractors who will perform construction work as described in ORS 701.005(2) were registered with the Construction Contractors Board in accordance with ORS 701.035 to 701.055 at the time the subcontractor(s) made a bid to work under the contract.

13. The successful Bidder hereby certifies that, in compliance with the Worker's Compensation Law of the State of Oregon, its Worker's Compensation Insurance provider is SAIF Corporation, Policy No. 812128, and that Contractor shall submit Certificates of Insurance as required.

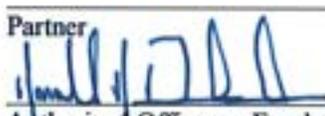
14. Contractor's Key Individuals for this project (supply information as applicable):
Project Executive: Ronald R. Bochsler, Cell Phone: (503) 769-3436
Project Manager: Pete Sipos, Cell Phone: (503) 932-4162
Job Superintendent: TBD, Cell Phone: _____
Project Engineer: TBD, Cell Phone: _____

15. The Undersigned certifies that it has not discriminated against minority, women, or emerging small businesses in obtaining any subcontracts for this project.

16. The Undersigned certifies that it has a drug testing program in accordance with ORS 279C.505.

REMINDER: Bidder must submit the below First-Tier Subcontractor Disclosure Form.

By signature below, Contractor agrees to be bound by this Bid.

NAME OF FIRM North Santiam Paving Co.
ADDRESS PO Box 516 / 41203 Kingston-Lyons Dr
Stayton, OR 97383
TELEPHONE NO (503) 769-3436
EMAIL quotes@nspor.com
SIGNATURE 1) _____
Sole Individual
or 2) _____
Partner
or 3)  _____
Authorized Officer or Employee of Corporation
Ronald R. Bochsler, President

***** END OF BID *****

FIRST-TIER SUBCONTRACTOR DISCLOSURE FORM
PROJECT: #2023-102 Loop Road and Parking Lot F Construction

BID OPENING: January 4, 2024, 2:00 PM, Pacific Time

Failure to submit this Form by the disclosure deadline will result in a nonresponsive bid.

INSTRUCTIONS:

This First-Tier Subcontractor Disclosure Form ("Form") must be submitted and received at the location specified in the Notice of Public Improvement Contract Opportunity on the advertised Bid Closing, and within two working hours after the advertised Bid Closing Time.

Proposals will only be accepted electronically thru a secure online bid submission service, **Bid Locker**. *Email submissions to Clackamas County email addresses will no longer be accepted.*

- A. Completed proposal documents must arrive electronically via Bid Locker located at <https://bidlocker.us/a/clackamascounty/BidLocker>.
- B. Bid Locker will electronically document the date and time of all submissions. Completed documents must arrive by the deadline indicated in Section 1 or as modified by Addendum. **LATE PROPOSALS WILL NOT BE ACCEPTED.**
- C. Proposers must register and create a profile for their business with Bid Locker in order to submit for this project. It is free to register for Bid Locker.
- D. Proposers with further questions concerning Bid Locker may review the Vendor's Guide located at <https://www.clackamas.us/how-to-bid-on-county-projects>.

Subcontractor lists may be submitted with the bid in the same envelope or email at the Bid Closing date and time. Subcontractor lists **MUST** be submitted within **two (2) hours** of the Bid Closing date and time.

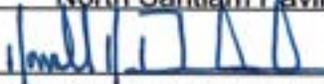
List below the name of each subcontractor that will be furnishing labor, or labor and materials, for which disclosure is required, the category of work that the subcontractor will be performing, and the dollar value of the subcontract. Enter **"NONE"** if the value of the project bid is less than \$100,000 or there are no subcontractors that need to be disclosed. **ATTACH ADDITIONAL SHEETS IF NECESSARY.**

| | SUBCONTRACTOR NAME | DOLLAR VALUE | CATEGORY OF WORK |
|----|-----------------------------------|--------------|------------------|
| 1. | Andres Landscape | \$429,000 | Landscape |
| 2. | Picon Pacheco LLC dba | | |
| 3. | D & D Concrete and Utilities Inc. | \$399,760 | Concrete |
| 4. | North Star Electrical Contractors | \$556,000 | Electrical |
| 5. | | | |
| 6. | | | |

The above listed first-tier subcontractor(s) are providing labor, or labor and material, with a Dollar Value equal to or greater than:

- a) 5% of the total Contract Price, but at least \$15,000. If the Dollar Value is less than \$15,000 do not list the subcontractor above; or
- b) \$350,000 regardless of the percentage of the total Contract Price.

Firm Name: North Santiam Paving Co.

Bidder Signature:  Phone # (503) 769-3436
 Ronald R. Bochslar, President



**CLACKAMAS COUNTY
PUBLIC IMPROVEMENT CONTRACT
SUPPLEMENTAL GENERAL CONDITIONS**

PROJECT: #2023-102 Loop Road and Parking Lot F Construction

The following modifies the October 13, 2021 Clackamas County General Conditions for Public Improvement Contracts (“County General Conditions”) for this Contract. Except as modified below, all other terms and conditions of the County General Conditions shall remain in effect.

1. Indemnity, Bonding, and Insurance

Remove and replace section G.3.4.1 with the following:

Commercial General Liability: Upon execution of a Contract, Contractor shall obtain, and keep in effect at Contractor's expense for the term of the Contract, Commercial General Liability Insurance (“CGL”) covering bodily injury and property damage in the amount of not less than \$2,000,000 per claim and \$4,000,000 per occurrence in a form satisfactory to Owner. This insurance shall include personal injury liability, products and completed operations, and contractual liability coverage for the indemnities provided under the Contract (to the extent contractual liability coverage for the indemnity is available in the marketplace), and shall be issued on an occurrence basis written on ISO Form GC 00 01 (12 04 or later) or an equivalent form approved in advance by Owner. The CGL shall provide separation of insured language. The policy or policies obtained by Contractor for purposes of fulfilling the requirements of this section shall be primary insurance with respect to the Owner. Any insurance or self-insurance maintained by the County shall be excess and shall not contribute to it.

2. Good Faith Effort

As a condition of Contractor being awarded a Contract for this Project, Contractor must complete Good Faith Effort outreach and documentation as described in the Supplemental Instructions to Bidders of the Solicitation Document.

The Contractor may not change who is performing each Division of Work identified in Form 1 of the Good Faith Effort without the express written advance approval of Owner. This includes substituting identified subcontractors, self-performance of a Division of Work that was identified to be performed by a subcontractor, or the Contractor subcontracting a Division of Work that was identified to be self-performed by the Contractor.

Contractor shall be required to submit the completed Form 3 with its final pay application as a condition of final payment.



CLACKAMAS COUNTY GENERAL CONDITIONS FOR PUBLIC IMPROVEMENT CONTRACTS

October 13, 2021

INSTRUCTIONS: The attached **Clackamas County General Conditions for Public Improvement Contracts ("County General Conditions")** apply to all designated Public Improvement contracts. Changes to the County General Conditions (including any additions, deletions or substitutions) should only be made by attaching Public Improvement Supplemental General Conditions. The text of these County General Conditions should not otherwise be altered.

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**CLACKAMAS COUNTY GENERAL CONDITIONS
FOR PUBLIC IMPROVEMENT CONTRACTS
("County General Conditions")**

**SECTION A
GENERAL PROVISIONS**

A.1 DEFINITION OF TERMS

In the Contract Documents the following terms shall be as defined below:

APPLICABLE LAWS, means all federal, state and local laws, codes, rules, regulations and ordinances, as amended applicable to the Work, to the Contract, or to the parties individually.

APPROVED BY CONTRACTING AGENCY, for purposes of ORS 279C.570(2), means the date a progress payment is approved by the Clackamas County Treasurer's office.

ARCHITECT/ENGINEER, means the Person appointed by the Owner to make drawings and specifications and, to provide contract administration of the Work contemplated by the Contract to the extent provided herein or by supplemental instruction of Owner (under which Owner may delegate responsibilities to the Architect/Engineer), in accordance with ORS Chapter 671 (Architects) or ORS Chapter 672 (Engineers) and administrative rules adopted thereunder.

AVOIDABLE DELAYS, mean any delays other than Unavoidable Delays, and include delays that otherwise would be considered Unavoidable Delays but that: (a) Could have been avoided by the exercise of care, prudence, foresight, and diligence on the part of the Contractor or its Subcontractors; (b) Affect only a portion of the Work and do not necessarily prevent or delay the prosecution of other parts of the Work nor the completion of the whole Work within the Contract Time; (c) Do not impact activities on the accepted critical path schedule; and (d) Are associated with the reasonable interference of other contractors employed by the Owner that do not necessarily prevent the completion of the whole Work within the Contract Time.

BIDDER, means a bidder in connection with Instructions to Bidders or a proposer in connection with a Request for Proposals, or Solicitation Document. May also be referenced as "Offeror," "Quoter" or "Proposer" based on the type of Solicitation Document.

CHANGE ORDER, means a written order which, when fully executed by the Parties to the Contract, constitutes a change to the Contract Documents. Change Orders shall be issued in accordance with the changes provisions in Section D and, if applicable, establish a Contract Price or Contract Time adjustment. A Change Order shall not be effective until executed by both parties.

CLAIM, means a demand by Contractor pursuant to Section D.3 for review of the denial of Contractor's initial request for an adjustment of Contract terms, payment of money, extension of Contract Time or other relief, submitted in accordance with the requirements and within the time limits established for review of Claims in these County General Conditions.

CONTRACT, means the written agreement between the Owner and the Contractor comprised of the Contract Documents which describe the Work to be done and the obligations between the parties.

CONTRACT DOCUMENTS, means the Contract, County General Conditions, Supplemental General Conditions if any, Plans, Specifications, the accepted Offer, Solicitation Document and addenda thereto, Instructions to Offerors, and Supplemental Instructions to Offerors.

CONTRACT PERIOD, as set forth in the Contract Documents, means the total period of time beginning with the full execution of a Contract

and, if applicable, the issuance of a Notice to Proceed and concluding upon Final Completion.

CONTRACT PRICE, means the total price reflected in the Contract.

CONTRACT TIME, means any incremental period of time allowed under the Contract to complete any portion of the Work as reflected in the Project schedule.

CONTRACTOR, means the Person awarded the Contract for the Work contemplated.

DAYS, are calendar days, including weekdays, weekends and holidays, unless otherwise specified.

DEFECTIVE WORK, means Work that is not completed in accordance with the Specifications or the requirements of the Contract.

DIRECT COSTS, means, unless otherwise provided in the Contract Documents: the cost of materials, including sales tax and the cost of delivery; cost of labor which shall only include the applicable prevailing wage and fringe benefit (if applicable, and if paid to or on behalf of the employee) rate plus a maximum of a twelve percent (12%) markup on the prevailing wage (but not the fringe benefit) to cover Contractor's labor burden including but not limited to social security, Medicare, unemployment insurance, workers' compensation insurance, sick leave pay; substantiated Project cost increases for specific insurance (including, without limitation, Builder's Risk Insurance and Builder's Risk Installation Floater) or bond premiums; rental cost of equipment, and machinery required for execution of the Work; and the additional costs of field personnel directly attributable to the Work; travel expense reimbursement only if specifically authorized and only to the extent allowable under the County Contractor Travel Reimbursement Policy, hereby incorporated by reference.

FINAL COMPLETION, means the final completion of all requirements under the Contract, including Contract Closeout as described in Section K but excluding Warranty Work as described in Section I.2, and the final payment and release of all retainage, if any.

FORCE MAJEURE, means an act, event or occurrence caused by fire, riot, war, acts of God, terrorism, nature, sovereign, or public enemy, strikes, freight embargoes or any other act, event or occurrence that is beyond the control of the party to the Contract who is asserting Force Majeure.

NOTICE TO PROCEED, means the official written notice from the Owner stating that the Contractor is to proceed with the Work defined in the Contract Documents.

OFFER, means a bid in connection with Instructions to Bidders or a proposal in connection with a Request for Proposals, or Solicitation Document to do the work stated in the Solicitation Document at the price quoted. May also be referenced as "Bid," "Quote," or "Proposal" based on the type of Solicitation Document.

OVERHEAD, means those items which may be included in the Contractor's markup (general and administrative expense and profit) and that shall not be charged as Direct Cost of the Work, including without limitation such Overhead expenses as wages or salary of personnel above the level of foreman (i.e., superintendents and project managers), labor rates and fringe benefits above the applicable prevailing wage and fringe benefit (if applicable, and if paid to or on behalf of the employee), Contractor's labor burden for fringe benefit if paid to the employee, expenses of Contractor's offices and supplies at the Project Site (e.g. job trailer) and at Contractor's principal place of business and including expenses of personnel staffing the Project Site office and Contractor's principal place of business, and Commercial General Liability Insurance and Automobile Liability Insurance.

OWNER, means, Clackamas County or any component unit thereof including Clackamas County Development Agency, Clackamas County Service District No. 1, Surface Water Management Agency of Clackamas County, Tri-City Service District, Water Environment Services, North Clackamas Parks and Recreation District, Clackamas County Extension & 4-H Service District, Library Service District of Clackamas County, Enhanced Law Enforcement District, and Clackamas County Service District No. 5. Owner may elect, by written notice to Contractor, to delegate certain duties to more than one agent, including without limitation, to an Architect/Engineer. However, nothing in these County General Conditions is intended to abrogate the separate design professional responsibilities of Architects under ORS Chapter 671 or of Engineers under ORS Chapter 672.

PERSON, means a natural person or entity doing business as a sole proprietorship, a partnership, a joint venture, a corporation, a limited liability company or partnership, a nonprofit, a trust, or any other entity possessing the legal capacity to contract.

PLANS, means the drawings which show the location, type, dimensions, and details of the Work to be done under the Contract.

PRODUCT DATA, means illustrations, standard schedules, performance charts, instructions, brochures, diagrams and other information furnished by the Contractor to illustrate materials or equipment for some portion of the Work.

PROJECT, means the total undertaking to be accomplished for Owner by architects/engineers, contractors, and other others, including planning, study, design, construction, testing, commissioning, start-up, of which the Work to be performed under the Contract Documents is a part.

PROJECT SITE, means the specific real property on which the Work is to be performed, including designated contiguous staging areas, that is identified in the Plans, Specifications and Drawings.

PUNCH LIST, means the list of Work yet to be completed or deficiencies which need to be corrected in order to achieve Final Completion of the Contract.

RECORD DOCUMENT, means the as-built Plans, Specifications, testing and inspection records, product data, samples, manufacturer and distributor/supplier warranties evidencing transfer of ownership to Owner, operational and maintenance manuals, shop drawings, correspondence, certificate(s) of occupancy, and other documents listed in Subsection B.9.1 of these County General Conditions, recording all Services performed.

SAMPLES, means physical examples which illustrate materials, equipment or workmanship and establish standards by which the Work will be judged.

SHOP DRAWINGS, means drawings, diagrams, schedules and other data specially prepared for the Work by the Contractor or a Subcontractor (including any subcontractor), manufacturer, supplier, or distributor to illustrate some portion of the Work.

SOLICITATION DOCUMENT, means an Invitation to Bid, Request for Proposals, Request for Quotes, or other written document issued by Owner that outlines the required Specifications necessary to submit an Offer.

SPECIFICATION, means any description of the physical or functional characteristics of the Work, or of the nature of a supply, service or construction item included in the Solicitation Document. Specifications may include a description of any requirement for inspecting, testing or preparing a supply, service or construction item for delivery and the quantities or qualities of materials to be furnished under the Contract. Specifications generally will state the results or products to be obtained and may, on occasion, describe the method and manner of doing the

Work to be performed. Specifications may be incorporated by reference and/or may be attached to the Contract.

SUBCONTRACTOR, means a Person having a direct contract with the Contractor, or another Subcontractor of any tier, to perform one or more items of the Work.

SUBSTANTIAL COMPLETION, means the date when the Owner accepts in writing the construction, alteration or repair constituting the Work or any designated portion thereof as having reached that state of completion when it may be used or occupied for its intended purpose. Substantial Completion of facilities with operating systems occurs only after thirty (30) continuous Days of successful, trouble-free operation of the operating systems as provided in Section K.3.2.

SUBSTITUTIONS, means items that in function, performance, reliability, quality, and general configuration are the same or better than the product(s) specified. Substitutions also means the performance of the Work by a labor force other than what is submitted in the Offer.

SUPPLEMENTAL GENERAL CONDITIONS, means those conditions that remove from, add to, or modify these County General Conditions. Public Improvement Supplemental General Conditions may be included in the Solicitation Document or may be a separate attachment to the Contract.

UNAVOIDABLE DELAYS, mean delays other than Avoidable Delays that are: (a) to the extent caused by any actions of the Owner, or any other employee or agent of the Owner, or by a separate contractor employed by the Owner; (b) to the extent caused by any Project Site conditions which differ materially from the conditions that would normally be expected to exist and inherent to the construction activities defined in the Contract Documents; or (c) to the extent caused by Force Majeure acts, or events or occurrences.

WORK, means the furnishing of all materials, equipment, labor, transportation, services, incidentals, those permits and regulatory approvals not provided by the owner necessary to successfully complete any individual item or the entire Contract and the carrying out of duties and obligations imposed by the Contract Documents for the Project.

A.2 SCOPE OF WORK

The Work contemplated under the Contract includes all labor, materials, transportation, equipment and services for, and incidental to, the completion of all work in connection with the Project described in the Contract Documents. The Contractor shall perform all Work necessary so that the Project can be legally occupied and fully used for the intended use as set forth in the Contract Documents.

A.3 INTERPRETATION OF CONTRACT DOCUMENTS

A.3.1 Unless otherwise specifically defined in the Contract Documents, words which have well-known technical meanings or construction industry meanings are used in the Contract Documents in accordance with such recognized meanings. Contract Documents are intended to be complementary. Whatever is called for in one, is interpreted to be called for in all. However, in the event of conflicts or discrepancies among the Contract Documents, interpretations will be based on the following descending order of precedence:

- (a) The Contract and any amendments thereto, including Change Orders, with those of later date having precedence over those of an earlier date;
- (b) The Supplemental General Conditions;
- (c) County General Conditions;
- (d) Plans and Specifications;
- (e) The Solicitation Document, and any addenda thereto.

A.3.2 In the case of an inconsistency between Plans and Specifications or within either document not clarified by addendum, the better quality or greater quantity of Work shall be provided in accordance with the Owner's interpretation in writing as determined in Owners sole discretion.

A.3.3 If the Contractor finds discrepancies in, or omissions from the Contract Documents, or if the Contractor is in doubt as to their meaning, the Contractor shall at once notify the Owner. Matters concerning and interpretation of requirements of the Contract Documents will be decided by the Owner in the Owner's sole discretion, who may delegate that duty in some instances to the Architect/Engineer. Responses to Contractor's requests for interpretation of Contract Documents will be made in writing by Owner (or the Architect/Engineer) within any time limits agreed upon or otherwise with reasonable promptness. Contractor shall not proceed without direction in writing from the Owner (or Architect/Engineer).

A.3.4 References to standard specifications, manuals, codes of any technical society, organization or association, to the laws or regulations of any governmental authority, whether such reference be specific or by implication, shall mean the latest standard specification, manual, code, laws or regulations in effect in the jurisdiction where the Project Site is located on the first published date of the Solicitation Document, except as may be otherwise specifically stated.

A.4 EXAMINATION OF PLANS, SPECIFICATIONS, AND PROJECT SITE

A.4.1 It is understood that the Contractor, before submitting an Offer, has made a careful examination of the Contract Documents; has become fully informed as to the quality and quantity of materials and the character of the Work required; and has made a careful examination of the location and conditions of the Work and the sources of supply for materials. The Owner will in no case be responsible for any loss or for any unanticipated costs that may be suffered by the Contractor as a result of the Contractor's failure to acquire full information in advance in regard to all conditions pertaining to the Work. No oral agreement or conversation with any officer, agent, or personnel of the Owner, or with the Architect/Engineer either before or after the execution of the Contract, shall affect or modify any of the terms or obligations herein contained. Contractor shall at all times be responsible for all utility locates regardless of the ownership of such utility infrastructure or service.

A.4.2 Should the Plans or Specifications fail to particularly describe the materials, kind of goods, or details of construction of any aspect of the Work, Contractor shall have the duty to make inquiry of the Owner and Architect/Engineer as to what is required prior to performance of the Work. Absent Specifications to the contrary, the materials or processes that would normally be used to produce first quality finished Work shall be considered a part of the Contract requirements.

A.4.3 Any design errors or omissions noted by the Contractor shall be reported promptly to the Owner, including without limitation, any nonconformity with Applicable Laws.

A.4.4 If the Contractor believes that adjustments to cost or Contract Time are involved because of clarifications or instructions issued by the Owner (or Architect/Engineer) in response to the Contractor's notices or requests for information, the Contractor must submit a written request to the Owner, setting forth the nature and specific extent of the request, including all time and cost impacts against the Contract as soon as possible, but no later than thirty (30) Days after receipt by Contractor of the clarifications or instructions issued. If the Owner denies Contractor's request for additional compensation, additional Contract Time, or other relief

that Contractor believes results from the clarifications or instructions, the Contractor may proceed to file a Claim under Section D.3, Claims Review Process. If the Contractor fails to perform the obligations of Sections A.4.1 to A.4.3, the Contractor shall pay such costs and damages to the Owner as would have been avoided if the Contractor had performed such obligations.

A.4.5 If the Contractor believes that adjustments to cost or Contract Time are involved because of an Unavoidable Delay caused by differing Project Site conditions, the Contractor shall notify the Owner immediately of differing Project Site conditions before the area has been disturbed. The Owner will investigate the area and make a determination as to whether or not the conditions differ materially from either the conditions stated in the Contract Documents or those which could reasonably be expected in execution of this particular Contract. If Contractor and the Owner agrees that a differing Project Site condition exists, any adjustment to compensation or Contract Time will be determined based on the process set forth in Section D.2.2 for adjustments to or deletions from Work. If the Owner disagrees that a differing Project Site condition exists and denies Contractor's request for additional compensation or Contract Time, Contractor may proceed to file a Claim under Section D.3, Claims Review Process.

A.5 INDEPENDENT CONTRACTOR STATUS

The service or services to be performed under the Contract are those of an independent contractor as defined in ORS 670.600. Contractor represents and warrants that it is not an officer, employee or agent of the Owner as those terms are used in ORS 30.265.

A.6 RETIREMENT SYSTEM STATUS AND TAXES

Contractor represents and warrants that it is not a contributing member of the Public Employees' Retirement System and will be responsible for any federal or state taxes applicable to payment received under the Contract. Contractor will not be eligible for any benefits from these Contract payments of federal Social Security, employment insurance, workers' compensation or the Public Employees' Retirement System, except as a self-employed individual. Unless the Contractor is subject to backup withholding, Owner will not withhold from such payments any amount(s) to cover Contractor's federal or state tax obligations.

A.7 GOVERNMENT EMPLOYMENT STATUS

A.7.1 If this payment is to be charged against federal funds, Contractor represents and warrants that it is not currently employed by the Federal Government. This does not preclude the Contractor from holding another contract with the Federal Government.

SECTION B ADMINISTRATION OF THE CONTRACT

B.1 OWNER'S ADMINISTRATION OF THE CONTRACT

B.1.1 The Owner shall administer the Contract as described in the Contract Documents throughout the term of the Contract, including the one-year period for correction of Work. The Owner will act as provided in the Contract Documents, unless modified in writing in accordance with other provisions of the Contract. In performing these tasks, the Owner may rely on the Architect/Engineer or other agents to perform some or all of these tasks.

B.1.2 The Owner may visit the Project Site at intervals appropriate to the stage of the Contractor's operations (1) to become generally familiar with and to keep the Owner informed about the progress and quality of the portion of the Work completed, (2) to endeavor to guard the Owner against defects and deficiencies in the Work, and (3) to determine in general if Work is being performed in a manner indicating that the Work, when fully completed, will be in accordance with the Contract Documents. The Owner will not

make exhaustive or continuous on-Project Site inspections to check the quality or quantity of the Work. Unless otherwise required in a Change Order, the Owner will neither have control over or charge of, nor be responsible for the construction means, methods, techniques, sequences or procedures, or for the safety precautions and programs in connection with the Work.

B.1.3 Except as otherwise provided in the Contract Documents or when direct communications have been specifically authorized, the Owner and Contractor shall communicate with each other within a reasonable time frame about matters arising out of or relating to the Contract. Communications by and with the Architect/Engineer's consultants shall be through the Architect/Engineer. Communications by and with Subcontractors and material suppliers shall be through the Contractor. Communications by and with separate contractors shall be through the Owner.

B.1.4 Based upon the Architect/Engineer's evaluations of the Contractor's Application for Payment, or unless otherwise stipulated by the Owner, the Architect/Engineer will review and certify the amounts due the Contractor and will issue Certificates for Payment in such amounts.

B.2 CONTRACTOR'S MEANS AND METHODS; MITIGATION OF IMPACTS

B.2.1 The Contractor shall supervise and direct the Work, using the Contractor's best skill and attention. The Contractor shall be solely responsible for and have control over construction means, methods, techniques, sequences and procedures and for coordinating all portions of the Work under the Contract, unless the Contract Documents give other specific instructions concerning these matters. If the Contract Documents give specific instructions concerning construction means, methods, techniques, sequences or procedures, the Contractor shall evaluate the Project Site safety thereof and, except as stated below, shall be fully and solely responsible for the Project Site safety of such means, methods, techniques, sequences or procedures.

B.2.2 The Contractor is responsible to protect and maintain the Work during the course of construction and to mitigate any adverse impacts to the Project, including those caused by authorized changes, which may affect cost, schedule, or quality.

B.2.3 The Contractor is responsible for the actions of all its personnel, laborers, suppliers, agents, and Subcontractors on the Project. The Contractor shall enforce strict discipline and good order among Contractor's employees and other persons carrying out the Work. The Contractor shall not permit employment of persons who are unfit or unskilled for the tasks assigned to them.

B.3 MATERIALS AND WORKMANSHIP

B.3.1 The intent of the Contract Documents is to provide for the construction and completion of every detail of the Work described. All Work shall be performed in a professional manner and, unless the means or methods of performing a task are specified elsewhere in the Contract Documents, Contractor shall employ methods that are generally accepted and used by the industry, in accordance with industry standards.

B.3.2 The Contractor is responsible to perform the Work as required by the Contract Documents. Defective Work shall be corrected at the Contractor's sole expense and within a reasonable time frame.

B.3.3 Work done and materials furnished may be subject to inspection and/or observation and testing by the Owner to determine if they conform to the Contract Documents. Inspection of the Work by the Owner does not relieve the Contractor of responsibility for the Work in accordance with the Contract Documents.

B.3.4 Contractor shall furnish adequate facilities, as required, for the Owner to have safe access to the Work including without limitation walkways, railings, ladders, tunnels, and platforms. Producers, suppliers, and fabricators shall also provide proper facilities and access to their facilities.

B.3.5 The Contractor shall furnish Samples of materials for testing by the Owner and include the cost of the Samples in the Contract Price.

B.4 PERMITS

Contractor shall obtain and pay for all necessary permits, licenses and fees, except for those specifically excluded in the Supplemental General Conditions, as required for the project. Contractor shall be responsible for all violations of the law. Contractor shall give all requisite notices to public authorities.

B.5 COMPLIANCE WITH GOVERNMENT REGULATIONS

B.5.1 Contractor shall comply with Applicable Laws, as amended pertaining to the Work and the Contract. Failure to comply with such requirements shall constitute a breach of Contract and shall be grounds for Contract termination. Without limiting the generality of the foregoing, Contractor expressly agrees to comply with the following, as applicable and as may be amended from time to time: (i) Title VI and VII of Civil Rights Act of 1964, as amended; (ii) Section 503 and 504 of the Rehabilitation Act of 1973, as amended; (iii) the Health Insurance Portability and Accountability Act of 1996; (iv) the Americans with Disabilities Act of 1990, as amended; (v) ORS Chapter 659A; as amended; (vi) all regulations and administrative rules established pursuant to any applicable laws; and (vii) all other applicable requirements of federal, state, county or other local government entity statutes, rules and regulations.

B.5.2 Contractor shall comply with all applicable requirements of federal and state civil rights and rehabilitation statutes, rules and regulations, and

(a) Contractor shall not discriminate against Disadvantaged, Minority, Women or Emerging Small Business enterprises, as those terms are defined in ORS 200.005, or a business enterprise that is owned or controlled by or that employs a disabled veteran, as that term is defined in ORS 408.225, in the awarding of subcontracts.

(b) Contractor shall maintain, in current and valid form, all licenses and certificates required by Applicable Laws or the Contract when performing the Work.

B.5.3 Contractor shall certify that it shall not accept a bid from Subcontractors to perform Work unless such Subcontractors are registered with the Construction Contractors Board in accordance with ORS 701.021 at the time they submit their bids to the Contractor.

B.5.4 Contractor shall certify that each landscape contracting business, as defined in ORS 671.520(2), performing Work under the Contract holds a valid landscape construction professional license issued pursuant to ORS 671.560.

B.5.5 The following notice is applicable to Contractors who perform excavation Work. ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the center at (877) 668-4001.

B.5.6 Failure to comply with any or all of the requirements of B.5.1 through B.5.5 shall be a material breach of Contract and constitute

grounds for Contract termination. Damages or costs resulting from such noncompliance shall be the responsibility of Contractor.

- B.5.7 The Contractor shall include in each subcontract those provisions required under ORS 279C.580.
- B.5.8 Contractor shall comply with ORS 652.220, compliance of which is a material element of this Contract and failure to comply is a material breach that entitles County to exercise any rights and remedies available under this Contract including, but not limited to, termination for default.

B.6 SUPERINTENDENCE

Contractor shall keep on the Project Site, during the progress of the Work, a competent superintendent and any necessary assistants who shall be satisfactory to the Owner and who shall represent the Contractor on the Project Site. Directions given to the superintendent by the Owner shall be confirmed in writing to the Contractor.

B.7 INSPECTION

- B.7.1 Owner shall have access to the Work at all times.
- B.7.2 Inspection of the Work will be made by the Owner at its discretion. The Owner will have authority to reject Work that does not conform to the Contract Documents in the Owner's sole discretion. Any Work found to be not in conformance with the Contract Documents, in the discretion of the Owner, shall be removed and replaced at the Contractor's expense.
- B.7.3 Contractor shall make or obtain at the appropriate time all tests, inspections and approvals of portions of the Work required by the Contract Documents or by Applicable Laws or orders of public authorities having jurisdiction. Unless otherwise provided, the Contractor shall make arrangements for such tests, inspections and approvals with an independent testing laboratory or entity acceptable to the Owner, or with the appropriate public authority, and shall bear all related costs of tests, inspections and approvals. Tests or inspections conducted pursuant to the Contract Documents shall be made promptly to avoid unreasonable delay in the Work. The Contractor shall give the Owner timely notice of when and where tests and inspections are to be made so that the Owner may be present for such procedures. Required certificates of testing, inspection or approval shall, unless otherwise required by the Contract Documents, be secured by the Contractor and promptly delivered to the Owner.
- B.7.4 As required by the Contract Documents, Work done or material used without required inspection or testing and/or without providing timely notice to the Owner may be ordered removed at the Contractor's expense.
- B.7.5 If directed to do so by Owner or other permitting authority any time before the Work is accepted, the Contractor shall uncover portions of the completed Work for inspection. After inspection, the Contractor shall restore such portions of Work to the standard required by the Contract. If the Work uncovered is unacceptable or was done without required testing or inspection or sufficient notice to the Owner, the uncovering and restoration shall be done at the Contractor's expense. If the Work uncovered is acceptable and was done with sufficient notice to the Owner, the uncovering and restoration will be paid for pursuant to a Change Order.
- B.7.6 If any testing or inspection reveals failure of the portions of the Work to comply with requirements established by the Contract Documents, all costs made necessary by such failure, including those of repeated procedures and compensation for the Owner's and Architect/Engineer's services and expenses, shall be at the Contractor's expense.

- B.7.7 In Owner's sole discretion, it may authorize other interested parties to inspect the Work affecting their interests or property. Their right to inspect shall not make them a party to the Contract and shall not interfere with the rights of the parties of the Contract. Instructions or orders of such parties shall be transmitted to the Contractor, through the Owner.

B.8 SUBCONTRACTS AND ASSIGNMENT

- B.8.1 Contractor shall require each Subcontractor, to the extent of the Work to be performed by the Subcontractor, to be bound by the terms and conditions of these General Conditions and Supplemental General Conditions, and to assume toward the Contractor all of the obligations and responsibilities which the Contractor assumes toward the Owner thereunder, unless (1) the same are clearly inapplicable to the subcontract at issue because of legal requirements or industry practices, or (2) specific exceptions are requested by Contractor and approved in writing by Owner. Where appropriate, Contractor shall require each Subcontractor to enter into similar agreements with sub-subcontractors at any level.
- B.8.2 At Owner's request, Contractor shall submit to Owner prior to their execution either Contractor's form of subcontract, or the subcontract to be executed with any particular Subcontractor. If Owner disapproves such form, Contractor shall not execute the form until the matters disapproved are resolved to Owner's satisfaction. Owner's review, comment upon or approval of any such form shall not relieve Contractor of its obligations under this Agreement or be deemed a waiver of such obligations of Contractor.
- B.8.3 Contractor shall not assign, sell, or transfer its rights, or delegate its responsibilities under the Contract, in whole or in part, without the prior written approval of the Owner. No such written approval shall relieve Contractor of any obligations of the Contract, and any transferee shall be considered the agent of the Contractor and bound to perform in accordance with the Contract Documents. Contractor shall remain liable as between the original parties to the Contract as if no assignment had occurred.

B.9 OWNER'S RIGHT TO DO WORK

Owner reserves the right to perform other or additional work at or near the Project Site with other agents than those of the Contractor. If such work takes place within or next to the Project Site, Contractor shall coordinate work with the other contractors or agents, cooperate with all other contractors or forces, carry out the Work in a way that will minimize interference and delay for all agents involved, place and dispose of materials being used so as not to interfere with the operations of another, and join the Work with the work of the others in an acceptable manner and perform it in proper sequence to that of the others. The Owner will resolve any disagreements that may arise between or among Contractor and the other contractors over the method or order of doing all work (including the Work). In case of unavoidable interference, the Owner will establish work priority (including the Work) in the Owner's sole discretion.

B.10 OTHER CONTRACTS

In all cases and at any time, the Owner has the right to execute other contracts related to or unrelated to the Work of the Contract. The Contractor of the Contract shall fully cooperate with any and all other contractors without additional cost to the Owner in the manner described in Section B.13.

B.11 ALLOWANCES

- B.11.1 The Contractor shall include in the Contract Price all allowances stated in the Contract Documents. Items covered by allowances

shall be supplied for such amounts and by such persons or entities as the Owner may direct.

- B.11.2 Unless otherwise provided in the Contract Documents:
- (a) when finally reconciled, allowances shall cover the cost of the Contractor's materials and equipment delivered at the Project Site and all required taxes, less applicable trade discounts;
 - (b) Contractor's costs for unloading and handling at the Project Site, labor, installation costs, Overhead, profit and other expenses contemplated for stated allowance amounts shall be included in the Contract Price but not in the allowances;
 - (c) whenever costs are more than or less than allowances, the Contract Price shall be adjusted accordingly by Change Order. The amount of the Change Order shall reflect (i) the difference between actual costs and the allowances under Section B.17.2(a) and (ii) changes in Contractor's costs under Section B.17.2(b);
 - (d) Unless Owner requests otherwise, Contractor shall provide to Owner a proposed fixed price for any allowance work prior to its performance.

B.12 SUBMITTALS, SHOP DRAWINGS, PRODUCT DATA AND SAMPLES

- B.12.1 The Contractor shall prepare and keep current, for the Architect's/Engineer's approval (or for the approval of Owner if approval authority has not been delegated to the Architect/Engineer), a schedule and list of submittals which is coordinated with the Contractor's construction schedule and allows the Architect/Engineer reasonable time to review submittals. Owner reserves the right to finally approve the schedule and list of submittals. Submittals include, without limitation, Shop Drawings, Product Data, and Samples.
- B.12.2 Shop Drawings, Product Data, Samples and similar submittals are not Contract Documents. The purpose of their submittal is to demonstrate for those portions of the Work for which submittals are required by the Contract Documents the way by which the Contractor proposes to conform to the information given and the design concept expressed in the Contract Documents. Review of submittals by the Architect/Engineer is not conducted for the purpose of determining the accuracy and completeness of other details such as dimensions and quantities, or for substantiating instructions for installation or performance of equipment or systems, or for approval of safety precautions or, unless otherwise specifically stated by the Architect/Engineer, of any construction means, methods, techniques, sequences or procedures, all of which remain the responsibility of the Contractor as required by the Contract Documents. The Architect/Engineer's review of the Contractor's submittals shall not relieve the Contractor of its obligations under the Contract Documents. The Architect/Engineer's approval of a specific item shall not indicate approval of an assembly of which the item is a component. Informational submittals upon which the Architect/Engineer is not expected to take responsive action may be so identified in the Contract Documents. Submittals which are not required by the Contract Documents may be returned by the Architect/Engineer without action.
- B.12.3 The Contractor shall review for compliance with the Contract Documents, approve and submit to the Architect/Engineer Shop Drawings, Product Data, Samples and similar submittals required by the Contract Documents with reasonable promptness and in such sequence as to cause no delay in the Work or in the activities of the Owner or of separate contractors. Submittals which are not marked as reviewed for compliance with the Contract Documents

and approved by the Contractor may be returned by the Architect/Engineer without action.

- B.12.4 By approving and submitting Shop Drawings, Product Data, Samples and similar submittals, the Contractor represents that the Contractor has determined and verified materials, field measurements and field construction criteria related thereto, or will do so, and has checked and coordinated the information contained within such submittals with the requirements of the Work and of the Contract Documents.
- B.12.5 The Contractor shall perform no portion of the Work for which the Contract Documents require submittal and review of Shop Drawings, Product Data, Samples or similar submittals until the respective submittal has been approved by the Architect/Engineer.
- B.12.6 The Work shall be in accordance with approved submittals except that the Contractor shall not be relieved of responsibility for deviations from requirements of the Contract Documents by the Architect/Engineer's review or approval of Shop Drawings, Product Data, Samples or similar submittals unless the Contractor has specifically informed the Architect/Engineer in writing of such deviation at the time of submittal and (i) the Architect/Engineer has given written approval to the specific deviation as a minor change in the Work, or (ii) a Change Order has been executed by Owner authorizing the deviation. The Contractor shall not be relieved of responsibility for errors or omissions in Shop Drawings, Product Data, Samples or similar submittals by the Architect/Engineer's review or approval thereof.
- B.12.7 In the event that Owner elects not to have the obligations and duties described under this Section B.18 performed by the Architect/Engineer, or in the event no Architect/Engineer is employed by Owner on the Project, all obligations and duties assigned to the Architect/Engineer hereunder shall be performed by the Owner.

B.13 SUBSTITUTIONS

The Contractor may make Substitutions only with the written consent of the Owner, after evaluation by the Owner and only in accordance with a Change Order. Substitutions shall be subject to the requirements of the Solicitation Document. By making requests for Substitutions, the Contractor represents that the Contractor has personally investigated the proposed substitute product; represents that the Contractor will provide the same warranty for the Substitution that the Contractor would for the product originally specified unless approved otherwise; certifies that the cost data presented is complete and includes all related costs under the Contract including redesign costs, and waives all claims for additional costs related to the Substitution which subsequently become apparent; and will coordinate the installation of the accepted Substitution, making such changes as may be required for the Work to be completed in all respects.

B.14 USE OF PLANS AND SPECIFICATIONS

Plans, Specifications and related Contract Documents furnished to Contractor by Owner or Owner's Architect/Engineer shall be used solely for the performance of the Work under the Contract. Contractor and its Subcontractors and suppliers are authorized to use and reproduce applicable portions of such documents appropriate to the execution of the Work, but shall not claim any ownership or other interest in them beyond the scope of the Contract, and no such interest shall attach. Unless otherwise indicated, all common law, statutory and other reserved rights, in addition to copyrights, are retained by Owner.

SECTION C
WAGES AND LABOR

C.1 PREVAILING WAGE RATES ON PUBLIC WORKS

Contractor shall comply fully with the provisions of ORS 279C.800 through 279C.870. Pursuant to ORS 279C.830(1)(d), Contractor shall pay workers at not less than the specified minimum hourly rate of wage, and shall include that requirement in all subcontracts. If the Work is subject to both the state prevailing wage rate law and the federal Davis-Bacon Act, Contractor shall pay the higher of the applicable state or federal prevailing rate of wage. Contractor shall provide written notice to all workers of the number of hours per day and days per week such workers may be required to work.

C.2 PAYROLL CERTIFICATION AND FEE REQUIREMENTS

- C.2.1 In accordance with ORS 279C.845, the Contractor and every Subcontractor shall submit written certified statements to the Owner on the form prescribed by the Commissioner of the Bureau of Labor and Industries ("BOLI"), certifying the hourly rate of wage paid each worker which the Contractor or the Subcontractor has employed on the Project and further certifying that no worker employed on the Project has been paid less than the prevailing rate of wage or less than the minimum hourly rate of wage specified in the Contract, which certificate and statement shall be verified by the oath of the Contractor or the Subcontractor that the Contractor or Subcontractor has read the certified statement, that the Contractor or Subcontractor knows the contents of the certified statement, and, that to the Contractor's or Subcontractor's best knowledge and belief, the certified statement is true. The certified statements shall set out accurately and completely the payroll records for the prior week, including the name and address of each worker, the worker's correct classification, rate of pay, daily and weekly number of hours worked, deductions made, and actual wages paid. Certified statements for each week during which the Contractor or Subcontractor has employed a worker on the Project shall be submitted once a month, by the fifth (5th) business day of the following month. The Contractor and Subcontractors shall preserve the certified statements for a period of ten (10) years from the date of completion of the Contract.
- C.2.2 Pursuant to ORS 279C.845(7), the Owner shall retain 25 percent of any amount earned by the Contractor on the Project until the Contractor has filed the certified statements required by section C.2.1. The Owner shall pay to the Contractor the amount retained under this subsection within 14 days after the Contractor files the required certified statements, regardless of whether a Subcontractor has failed to file certified statements.
- C.2.3 Pursuant to ORS 279C.845(8), the Contractor shall retain 25 percent of any amount earned by a first-tier Subcontractor on this Project until the first-tier Subcontractor has filed with the Owner the certified statements required by C.2.1. Before paying any amount retained under this subsection, the Contractor shall verify that the first-tier Subcontractor has filed the certified statement. Within 14 days after the first-tier Subcontractor files the required certified statement the Contractor shall pay the first-tier Subcontractor any amount retained under this subsection.
- C.2.4 In accordance with statutory requirements and administrative rules promulgated by the Commissioner of the Bureau of Labor and Industries, the fee required by ORS 279C.825(1) will be paid by Owner to the Commissioner.

C.3 PROMPT PAYMENT AND CONTRACT CONDITIONS

- C.3.1 As a condition to Owner's performance hereunder, the Contractor shall:
- C.3.1.1 Make payment promptly, as due, to all persons supplying to Contractor labor or materials for the prosecution of the Work provided for in the Contract.
- C.3.1.2 Pay all contributions or amounts due the State Industrial Accident Fund or successor program from such Contractor or Subcontractor incurred in the performance of the Contract.
- C.3.1.3 Not permit any lien or claim to be filed or prosecuted against the Owner on account of any labor or material furnished. Contractor will not assign any claims that Contractor has against Owner, or assign any sums due by Owner, to Subcontractors, suppliers, or manufacturers, and will not make any agreement or act in any way to give Subcontractors a claim or standing to make a claim against the Owner.
- C.3.1.4 Pay to the Department of Revenue all sums withheld from employees pursuant to ORS 316.167.
- C.3.2 If Contractor fails, neglects or refuses to make prompt payment of any claim for labor or services furnished to the Contractor of a Subcontractor by any person in connection with the Project as such claim becomes due, the proper officer(s) representing the Owner may pay the claim and charge the amount of the payment against funds due or to become due Contractor under the Contract. Payment of claims in this manner shall not relieve the Contractor or the Contractor's surety from obligation with respect to any unpaid claims.
- C.3.3 Contractor shall include in each subcontract for property or services entered into by the Contractor and a first-tier subcontractor, including a material supplier, for the purpose of performing a construction contract, a payment clause that obligates the Contractor to pay the first-tier Subcontractor for satisfactory performance under its subcontract within ten (10) Days out of such amounts as are paid to the Contractor by the Owner under such contract.
- C.3.4 If the Contractor or a first-tier subcontractor fails, neglects or refuses to pay a person that provides labor or materials in connection with the Contract within 30 days after receiving payment from the contracting agency or a contractor, the Contractor or first-tier subcontractor owes the person the amount due plus interest charges that begin at the end of the 10-day period within which payment is due under ORS 279C.580 (4) and that end upon final payment, unless payment is subject to a good faith dispute as defined in ORS 279C.580. The rate of interest on the amount due is nine percent per annum. The amount of interest may not be waived.
- C.3.5 If the Contractor or a subcontractor fails, neglects or refuses to make payment to a person furnishing labor or materials in connection with the Contract, the person may file a complaint with the Construction Contractors Board, unless payment is subject to a good faith dispute as defined in ORS 279C.580.
- C.3.6 All employers, including Contractor, that employ subject workers who work under the Contract in the State of Oregon shall comply with ORS 656.017 and provide the required Workers' Compensation coverage, unless such employers are exempt under ORS 656.126. Contractor shall ensure that each of its Subcontractors complies with these requirements.
- C.3.7 In accordance with ORS 279C.570, for all subcontracts that exceed \$500,000 that the Contractor withholds retainage, the Contractor shall place amounts deducted as retainage into an interest-bearing escrow account. Interest on the retainage amount accrues from the

date the payment request is approved until the date the retainage is paid to the Subcontractor to which it is due.

C.4 PAYMENT FOR MEDICAL CARE

As a condition to Owner's performance hereunder, Contractor shall promptly, as due, make payment to any person, co-partnership, association or corporation furnishing medical, surgical, and hospital care or other needed care and attention, incident to sickness or injury, to the employees of the Contractor, of all sums of which the Contractor agrees to pay for the services and all moneys and sums that the Contractor collected or deducted from the wages of employees under any law, contract or agreement for the purpose of providing or paying for the services.

C.5 HOURS OF LABOR

As a condition to Owner's performance hereunder, no person shall be employed to perform Work under the Contract for more than ten (10) hours in any one day or forty (40) hours in any one week, except in cases of necessity, emergency or where public policy absolutely requires it. In such instances, Contractor shall pay the employee at least time and a half pay:

- (a) For all overtime in excess of eight (8) hours a day or forty (40) hours in any one week when the work week is five consecutive Days, Monday through Friday; or
- (b) For all overtime in excess of ten (10) hours a day or forty (40) hours in any one week when the work week is four consecutive Days, Monday through Friday; and
- (c) For all Work performed on Saturday and on any legal holiday specified in ORS 279C.540.

This Section C.5 will not apply to Contractor's Work under the Contract to the extent Contractor is currently a party to a collective bargaining agreement with any labor organization.

This Section C.5 shall not excuse Contractor from completion of the Work within the time required under the Contract.

**SECTION D
CHANGES IN THE WORK**

D.1 CHANGES IN WORK

D.1.1 The terms of the Contract shall not be waived, altered, modified, supplemented or amended in any manner whatsoever, without prior written agreement and then only after any necessary approvals have been obtained. A Change Order is required to modify the Contract, which shall not be effective until its execution by the parties to the Contract and all approvals required by public contracting laws have been obtained.

D.1.2 It is mutually agreed that changes in Plans, quantities, or details of construction may be necessary or desirable during the course of construction. Within the general scope of the Contract, the Owner may at any time, without notice to the sureties and without impairing the Contract, require changes it deems necessary or desirable within the scope of this Project and consistent with this Section D.1. All changes to the Work shall be documented and Change Orders shall be executed under the conditions of the Contract Documents. Such changes may include, but are not limited to:

- (a) Modification of specifications and design.
- (b) Increases or decreases in quantities.
- (c) Increases or decreases to the amount of Work.
- (d) Addition or elimination of any Work item.
- (e) Change in the duration of the Project.

- (f) Acceleration or delay in performance of Work.
- (g) Deductive changes.

Deductive changes are those that reduce the scope of the Work, and shall be made by mutual agreement whenever feasible. In cases of suspension or partial termination under Section J, Owner reserves the right to unilaterally impose a deductive change and to self-perform such Work, for which the provisions of Section B.13 (Owner's Right to Do Work) shall then apply. Adjustments in compensation shall be made under Section D.1.3, in which costs for deductive changes shall be based upon a Direct Costs adjustment together with the related percentage markup specified for profit, Overhead and other indirect costs, unless otherwise agreed to by Owner.

D.1.3 The Owner and Contractor agree that adjustments to or deletions from the Work shall be administered and compensated according to the following:

- (a) Unit Pricing: Unit pricing may be utilized at the Owner's option when unit prices or solicitation alternates were provided that established the cost for adjustments to Work, and a binding obligation exists under the Contract on the parties covering the terms and conditions of the adjustment to Work.
- (b) Fixed Fee: If the Owner elects not to utilize unit pricing, or in the event that unit pricing is not available or appropriate, fixed pricing may be used for adjustments to or deletions from the Work. In fixed pricing, the basis of payments or total price shall be agreed upon in writing between the parties to the Contract, and shall be established before the Work is done whenever feasible. Notwithstanding the foregoing, the mark-ups set forth in Section D.1.3(c) shall be utilized in establishing fixed pricing, and such mark-ups shall not be exceeded. Cost and price data relating to adjustments to or deletions from the Work shall be supplied by Contractor to Owner upon request, but Owner shall be under no obligation to make such requests.
- (c) Time and Material: In the event that unit pricing and fixed pricing are not utilized, then adjustments to or deletions from the Work shall be performed on a cost reimbursement basis for Direct Costs. Such Work shall be compensated on the basis of the actual, reasonable and allowable cost of labor, equipment, and material furnished on the Work performed. The Contractor or Subcontractor who performs the Work shall be allowed to add up to ten percent (10%) markup to the Direct Costs as full compensation for profit, Overhead and other indirect costs for Work performed with the Contractor's or Subcontractor's own agents

Each ascending tier Subcontractor or the Contractor that did not perform the Work, will be allowed to add up to five percent (5%) supplemental markup on the Direct Costs of the Work (but not the above allowable markups) covered by a Change Order. No additional markup shall be permitted for any third tier or greater descending Subcontractor.

Example: \$20,000 of Direct Costs Work performed by a 2nd Tier Subcontractor

| | Markup | Allowed Total Fee Plus Markup |
|-------------------------------------|--------|-------------------------------|
| General Contractor | 5% | \$1,000.00 |
| 1 st Tier Sub Contractor | 5% | \$1,000.00 |
| 2 nd Tier Sub Contractor | 10% | \$22,000.00 |

- (d) Payments made to the Contractor shall be complete compensation for Overhead, profit, and all costs that were incurred by the Contractor or by other agents furnished by the Contractor, including Subcontractors, for adjustments to or deletions from the Work pursuant to a Change Order. Owner may establish a maximum cost for additional Work under this Section D.1.3, which shall not be exceeded for reimbursement without additional written

authorization from Owner in the form of a Change Order. Contractor shall not be required to complete such additional Work without additional authorization.

- D.1.4 Any necessary adjustment of Contract Time that may be required as a result of adjustments to or deletions from the Work must be agreed upon by the parties before the start of the revised Work unless Owner authorizes Contractor to start the revised Work before agreement on Contract Time adjustment.

Contractor shall submit any request for additional compensation (and additional Contract Time if Contractor was authorized to start Work before an adjustment of Contract Time was approved) as soon as possible but no later than thirty (30) Days after receipt of Owner's request for additional Work. If Contractor's request for additional compensation or adjustment of Contract Time is not made within the thirty (30) Day time limit, Contractor's requests pertaining to that additional Work shall be barred. The thirty (30) Day time limit for making requests shall not be extended for any reason, including without limitation Contractor's claimed inability to determine the amount of additional compensation or adjustment of Contract Time, unless an extension is granted in writing by Owner. If the Owner denies Contractor's request for additional compensation or adjustment of Contract Time, Contractor may proceed to file a Claim under Section D.3, Claims Review Process. No other reimbursement, compensation, or payment will be made, except as provided in Section D.1.5 for impact claims.

- D.1.5 If any adjustment to Work under Section D.1.3 causes an increase or decrease in the Contractor's cost of, or the Contract Time required for the performance of any other part of the Work under the Contract, Contractor shall submit a written request to the Owner, setting forth the nature and specific extent of the request, including all time and cost impacts against the Contract as soon as possible, but no later than thirty (30) Days after receipt of Owner's request for adjustments to or deletions from the Work by Contractor.

The thirty (30) Day time limit applies to claims of Subcontractors, suppliers, or manufacturers who may be affected by Owner's request for adjustments to or deletions from the Work and who request additional compensation or an extension of Contract Time to perform; Contractor has responsibility for contacting its Subcontractors, suppliers, or manufacturers within the thirty (30) Day time limit, and including their requests with Contractor's requests. If the request involves Work to be completed by Subcontractors, or materials to be furnished by suppliers or manufacturers, such requests shall be submitted to the Contractor in writing with full analysis and justification for the adjustments to compensation and Contract Time requested. The Contractor shall analyze and evaluate the merits of the requests submitted by Subcontractors, suppliers, and manufacturers to Contractor prior to including those requests and Contractor's analysis and evaluation of those requests with Contractor's requests for adjustments to compensation or Contract Time that Contractor submits to the Owner. Failure of Subcontractors, suppliers, manufacturers or others to submit their requests to Contractor for inclusion with Contractor's requests submitted to Owner within the time period and by the means described in this section shall constitute a waiver of these Subcontractor claims. The Owner will not consider direct requests or claims from Subcontractors, suppliers, manufacturers or others not a party to the Contract. The consideration of such requests and claims under this section does not give any Person, not a party to the Contract the right to bring a claim against Owner, whether in this claims process, in litigation, or in any dispute resolution process.

If the Owner denies the Contractor's request for adjustment to compensation or Contract Time, the Contractor may proceed to file a Claim under Section D.3, Claims Review Process.

- D.1.6 No request or Claim by the Contractor for additional costs or an adjustment of Contract Time shall be allowed if made after receipt of final payment application under the Contract. Final payment application must be made by Contractor within the time required under Section E.6.4.

- D.1.7 It is understood that changes in the Work are inherent in construction of this type. The number of changes, the scope of those changes, and the effect they have on the progress of the original Work cannot be defined at this time. The Contractor agrees that it will work in good faith with Owner to undertake changes, when agreed upon by execution of a Change Order. Each change will be evaluated for extension of Contract Time and increase or decrease in compensation based on its own merit.

D.2 DELAYS

- D.2.1 Contractor shall not be entitled to additional compensation or additional Contract Time for Avoidable Delays.

- D.2.2 In the event of Unavoidable Delays, Contractor may be entitled to the following:

- (a) Contractor may be entitled to additional compensation or additional Contract Time, or both, for Unavoidable Delays described in Section D.2.1.2 (a) and (b).
- (b) Contractor may be entitled to additional Contract Time for Unavoidable Delays described in Section D.2.1.2(c) and (d).

In the event of any requests for additional compensation or additional Contract Time, or both, as applicable, arising under this Section D.2.2 for Unavoidable Delays, other than requests for differing Project Site conditions for which a review process is established under Section A.4.5, Contractor shall submit a written notification of the delay to the Owner within two (2) Days of the occurrence of the cause of the delay. This written notification shall state the cause of the potential delay, the Project components impacted by the delay, and the anticipated additional Contract Time extension or the additional compensation, or both, as applicable, resulting from the delay. Within seven (7) Days after the cause of the delay has been mitigated, or in no case more than thirty (30) Days after the initial written notification, the Contractor shall submit to the Owner, a complete and detailed request for additional compensation or additional Contract Time, or both, as applicable, resulting from the delay. If the Owner denies Contractor's request for additional compensation or adjustment of Contract Time, the Contractor may proceed to file a Claim under Section D.3, Claims Review Process.

If Contractor does not timely submit the notices required under this Section D.2, Contractor's Claim shall be barred.

D.3 CLAIMS REVIEW PROCESS

- D.3.1 All Contractor Claims shall be referred to the Owner for review. Contractor's Claims, including Claims for adjustments to compensation or Contract Time, shall be submitted in writing by Contractor to the Owner within five (5) Days after a denial of Contractor's initial request for an adjustment of Contract terms, payment of money, extension of Contract Time or other relief, provided that such initial request has been submitted in accordance with the requirements and within the time limits established in these County General Conditions. Within thirty (30) Days after the initial Claim, Owner shall receive from Contractor a complete and detailed description of the Claim (the "Detailed Notice") that includes all information required by Section D.3.2. Unless the Claim is made in accordance with these time requirements, it shall be barred.

D.3.2 The Detailed Notice of the Claim shall be submitted in writing by Contractor and shall include all information, records and documentation necessary for the Owner to properly and completely evaluate the claim, including, but not limited to a detailed, factual statement of the basis of the Claim, pertinent dates, Contract provisions which support or allow the Claim, reference to or copies of any documents which support the Claim, the dollar value of the Claim, and the Contract Time adjustment requested for the Claim. If the Claim involves Work to be completed by Subcontractors, the Contractor will analyze and evaluate the merits of the Subcontractor claim prior to forwarding it and that analysis and evaluation to the Owner. The Owner will not consider direct claims from Subcontractors, suppliers, manufacturers, or others not a party to the Contract. Contractor agrees that it will make no agreement, covenant, or assignment, nor will it commit any other act that will permit or assist any Subcontractor, supplier, manufacturer, or other to directly or indirectly make a claim against Owner.

D.3.3 The Owner, through the Architect/Engineer (or other employee or agent assigned by the Owner) will review all Claims and take one or more of the following preliminary actions within ten (10) Days of receipt of the Detailed Notice of a Claim: (1) request additional supporting information from the Contractor; (2) inform the Contractor and Owner in writing of the time required for adequate review and response; (3) reject the Claim in whole or in part and identify the reasons for rejection; (4) recommend approval of all or part of the Claim; (5) arrange a meeting with the Contractor for formal review of the Claim; or (6) propose an alternate resolution.

D.3.4 Once the Engineer or Project Manager determines the Owner is in receipt of a properly submitted claim, the Engineer or Project Manager may arrange a meeting, as agreed by the parties, with the Contractor in order to present the claim for formal review and discussion. A person authorized by the Contractor to execute Change Orders on behalf of the Contractor must be present and attend all claim meetings.

D.3.5 The Owner's decision, through the Architect/Engineer (or other employee or agent assigned by the Owner), shall be final and binding on the Contractor unless appealed by written notice to the Owner within fifteen (15) Days of receipt of the decision. The Contractor must present written documentation supporting the Claim within fifteen (15) Days of the notice of appeal. After receiving the appeal documentation, the Owner, through the appropriate department director, shall review the materials and render a decision within thirty (30) Days after receiving the appeal documents.

D.3.6 If, at any step in the claim decision or review process, the Contractor fails to promptly submit requested information or documentation that the Owner deems necessary to analyze the claim, the Contractor is deemed to have waived its right to further review, and the Claim will not be considered properly filed and preserved.

D.3.7 Both parties agree to exercise their best efforts in good faith to resolve all disputes within sixty (60) Days of the issuance of the appeal in Section D. 3.4 above. If the parties are unable to resolve their issues through mediation or otherwise, either party may seek redress through all available remedies in equity or in law.

D.3.8 Unless otherwise directed by Owner, Contractor shall proceed with the Work while any Claim, or mediation or litigation arising from a Claim, is pending. Regardless of the review period or the final decision of the Owner, the Contractor shall continue to diligently pursue the Work as identified in the Contract Documents. In no case is the Contractor justified or allowed to cease or delay Work, in whole or in part, without a written stop work order from the Owner.

SECTION E PAYMENTS

E.1 SCHEDULE OF VALUES

The Contractor shall submit, by or before the pre-construction conference (as described in Section H.1.3), a schedule of values ("Schedule of Values") for the Contract Work. This schedule shall provide a breakdown of values for the Contract Work and will be the basis for progress payments. The breakdown shall demonstrate reasonable, identifiable, and measurable components of the Work. Unless objected to by the Owner, this schedule shall be used as the basis for reviewing Contractor's applications for payment. If objected to by Owner, Contractor shall revise the schedule of values and resubmit the same for approval of Owner.

E.2 APPLICATIONS FOR PAYMENT

E.2.1 Owner shall make progress payments on the Contract monthly as Work progresses, in accordance with the requirements of this Section E.2 and ORS 279C.570. Applications for payment shall be based upon estimates of Work completed and the Schedule of Values. As a condition precedent to Owner's obligation to pay, all applications for payment shall be approved by the Owner. A progress payment shall not be considered acceptance or approval of any Work or waiver of any defects therein. Owner shall pay to Contractor interest in accordance with ORS 279C.570 for overdue invoices, not including retainage, due the Contractor. Overdue invoices will be those that have not been paid within the earlier of:

- (a) Thirty (30) days after receipt of the invoice; or
- (b) Fifteen (15) days after the payment is approved by the County.

Notwithstanding the foregoing, in instances when an application for payment is filled out incorrectly, or when there is any defect or impropriety in any submitted application or when there is a good faith dispute, Owner shall so notify the Contractor within fifteen (15) Days stating the reason or reasons the application for payment is defective or improper or the reasons for the dispute. A defective or improper application for payment, if corrected by the Contractor within seven (7) Days of being notified by the Owner, shall not cause a payment to be made later than specified in this section unless interest is also paid. Payment of interest will be postponed when payment on the principal is delayed because of disagreement between the Owner and the Contractor.

Owner reserves the right, instead of requiring the Contractor to correct or resubmit a defective or improper application for payment, to reject the defective or improper portion of the application for payment and pay the remainder of the application for such amounts which are correct and proper.

Owner, upon written notice to the Contractor, may elect to make payments to the Contractor only by means of Electronic Funds Transfers ("EFT") through Automated Clearing House ("ACH") payments. If Owner makes this election, the Contractor shall arrange for receipt of the EFT/ACH payments.

E.2.2 Contractor shall submit to the Owner an application for each payment and, if required, receipts or other vouchers showing payments for materials and labor including payments to Subcontractors. Contractor shall include in its application for payment a schedule of the percentages of the various parts of the Work completed, based on the Schedule of Values which shall aggregate to the payment application total, and shall include, on the face of each copy thereof, a certificate in substantially the following form:

"I, the undersigned, hereby certify that the above bill is true and correct, and the payment therefore, has not been received.

Signed: _____
Dated: _____"

E.2.3 Generally, applications for payment will be accepted only for materials that have been installed. Under special conditions, applications for payment for stored materials will be accepted at Owner's sole discretion. Such a payment, if made, will be subject to the following conditions:

- (a) The request for stored material shall be submitted at least thirty (30) Days in advance of the application for payment on which it appears. Applications for payment shall be entertained for major equipment, components or expenditures only.
- (b) The Contractor shall submit applications for payment showing the quantity and cost of the material stored.
- (c) The material shall be stored in a bonded warehouse and Owner shall be granted the right to access the material for the purpose of removal or inspection at any time during the Contract Period.
- (d) The Contractor shall name the Owner as co-insured on the insurance policy covering the full value of the property while in the care and custody of the Contractor until it is installed. A certificate noting this coverage shall be issued to the Owner.
- (e) Payments shall be made for materials and equipment only. The submitted amount in the application for payment shall be reduced by the cost of transportation from the storage site to the Project Site and for the cost of an inspector to verify delivery and condition of the goods at the storage site. The cost of storage and inspection shall be borne solely by the Contractor.
- (f) Within sixty (60) Days of the application for payment, the Contractor shall submit evidence of payment covering the material and/or equipment stored and of payment for the storage site.
- (g) Payment for stored materials and/or equipment shall in no way indicate acceptance of the materials and/or equipment or waive any rights under the Contract for the rejection of the Work or materials and/or equipment not in conformance with the Contract Documents.
- (h) All required documentation shall be submitted with the respective application for payment.

E.2.4 The Owner reserves the right to withhold all or part of a payment, or may nullify in whole or part any payment previously made, to such extent as may be necessary in the Owner's opinion to protect the Owner from loss because of:

- (a) Work that is defective and not remedied, or that has been demonstrated or identified as failing to conform with Applicable Laws or the Contract Documents;
- (b) third party claims filed or evidence reasonably indicating that such claims will likely be filed unless security acceptable to the Owner is provided by the Contractor;
- (c) failure of the Contractor to make payments properly to Subcontractors or for labor, materials or equipment (in which case Owner may issue checks made payable jointly to Contractor and such unpaid persons under this provision, or directly to Subcontractors and suppliers at any level under Section C.3.2);

- (d) reasonable evidence that the Work cannot be completed for the unpaid balance of the Contract Price;
- (e) damage to the Work, Owner or Owner's agent;
- (f) reasonable evidence that the Work will not be completed within the Contract Time required by the Contract, and that the unpaid balance would not be adequate to cover actual or liquidated damages for the anticipated delay;
- (g) failure to carry out the Work in accordance with the Contract Documents; or
- (h) assessment of liquidated damages, when withholding is made for offset purposes.

E.2.5 Subject to the provisions of the Contract Documents, the amount of each progress payment shall be computed as follows:

- (a) Take that portion of the Contract Price properly allocable to completed Work as determined by multiplying the percentage completion of each portion of the Work by the share of the total Contract Price allocated to that portion of the Work in the Schedule of Values, less retainage as provided in Section E.5. Pending final determination of cost to the Owner of changes in the Work, no amounts for changes in the Work can be included in applications for payment until the Contract Price has been adjusted by a Change Order;
- (b) Add that portion of the Contract Price properly allocable to materials and equipment delivered and suitably stored at the Project Site for subsequent incorporation in the completed construction (or, if approved in advance by the Owner pursuant to Section E.2.3, suitably stored off the Project Site at a location agreed upon in writing), less retainage as provided in Section E.5;
- (c) Subtract the aggregate of previous payments made by the Owner; and
- (d) Subtract any amounts for which the Owner has withheld or nullified payment as provided in the Contract Documents.

E.2.6 Contractor's applications for payment shall not include requests for payment for portions of the Work for which the Contractor does not intend to pay to a Subcontractor or material supplier.

E.2.7 The Contractor warrants to Owner that title to all Work covered by an application for payment will pass to the Owner no later than the time of payment. The Contractor further warrants that upon submittal of an application for payment all Work for which payments are received from the Owner shall be free and clear of liens, claims, security interests or encumbrances in favor of the Contractor, Subcontractors, material suppliers, or other persons or entities making a claim by reason of having provided financing, labor, materials and equipment relating to the Work.

E.2.8 If Contractor disputes any determination by Owner with regard to any application for payment, Contractor nevertheless shall continue to expeditiously perform the Work. No payment made hereunder shall be or be construed to be final acceptance or approval of that portion of the Work to which such partial payment relates or shall relieve Contractor of any of its obligations hereunder.

E.3 PAYROLL CERTIFICATION REQUIREMENT

Owner's receipt of payroll certification pursuant to Section C.2 of the Contract shall be a condition precedent to Owner's obligation to pay any progress payments or final payment otherwise due.

E.4 DUAL PAYMENT SOURCES

Contractor shall not be compensated for Work performed under the Contract from any state agency other than the agency that is a party to the Contract.

E.5 RETAINAGE

E.5.1 Retainage shall be withheld and released in accordance with the requirements set forth in Local Contract Review Board Rules or the applicable County standard.

E.5.1.1 Owner may reserve as retainage from any progress payment an amount not to exceed five percent of the payment. As Work progresses, Owner may reduce the amount of retainage on or may eliminate retainage on any remaining monthly Contract payments after fifty (50) percent of the Work under the Contract is completed if, in the Owner's discretion, such Work is progressing satisfactorily. Elimination or reduction of retainage shall be allowed only upon written application by the Contractor, which application shall include written approval of Contractor's surety; except that when the Work is ninety-seven and a half percent (97.5%) completed in Owner's estimation, the Owner may, at its discretion and without application by the Contractor, reduce the retained amount to hundred (100) percent of the value of the Work remaining to be done. Upon receipt of written application by the Contractor, Owner shall respond in writing within a reasonable time.

E.5.1.2 If retainage is withheld, unless the Contractor requests and the Owner accepts a form of retainage described in options (a) or (b) below, the Owner (except as otherwise provided below for a contract of \$500,000 or less), will deposit the retainage in an interest-bearing escrow account as required by ORS 279C.570(2). The Contractor shall execute such documentation and instructions respecting the interest-bearing escrow account as the Owner may require to protect its interests, including but not limited to a provision that no funds may be paid from the account to anyone without the Owner's advance written authorization. For a Contract over \$500,000, if the Contractor requests that the Owner deposit the retainage in an interest-bearing account under ORS 279C.560(5), the Owner will use an interest-bearing escrow account as stated above. For a Contract of \$500,000 or less, if the Contractor requests that the Owner deposit the retainage in an interest-bearing account under ORS 279C.560(5), the Owner will use an interest-bearing account (in a bank, savings bank, trust company or savings association) as provided under ORS 279C.450(5).

In accordance with the provisions of ORS 279C.560, Local Contract Review Board Rules, or the applicable County standard, unless the Owner finds in writing that accepting bonds, securities or other instruments described in option (a) below or a security bond described in option (b) below poses an extraordinary risk that is not typically associated with the bond, security or instrument, the Owner will approve the Contractor's written request:

- a. to be paid amounts which would otherwise have been retained from progress payments where Contractor has deposited acceptable bonds, securities or other instruments of equal value with Owner or in a custodial account or other mutually-agreed account satisfactory to Owner, with an approved bank or trust company to be held in lieu of the cash retainage for the benefit of Owner. Interest or earnings on the bonds, securities or other instruments shall accrue to the Contractor. The Contractor shall execute and provide such documentation and instructions respecting the bonds, securities and other instruments as the Owner may require to protect its interests. To be permissible, the bonds, securities and other instruments must be of a character approved by Owner; or

- b. that the Contractor be allowed, with the approval of the Owner, Owner allow Contractor to deposit a surety bond for the benefit of Owner, in a form acceptable to Owner, in lieu of all or a portion of funds retained, or to be retained. Such bond and any proceeds therefrom shall be made subject to all claims and liens in the manner and priority as set forth for retainage under ORS 279C.550 to ORS 279C.625.

When the Owner has accepted the Contractor's election of option (a) or (b), Owner may recover from Contractor any additional costs incurred through such election by reducing Contractor's final payment. Where the Owner has agreed to Contractor's request for option (b), Contractor shall accept like bonds from Subcontractors and suppliers on the Project from which Contractor has required retainages.

E. 5.1.3 The retainage held by Owner shall be included in and paid to the Contractor as part of the final payment of the Contract Price. The Owner shall pay to Contractor interest at the rate of two thirds of one percent per month on the final payment due Contractor, interest to commence forty-five (45) Days after the date which Owner receives Contractor's final approved application for payment and Work under the Contract has been completed and accepted and to run until the date when final payment is tendered to Contractor. The Contractor shall notify Owner in writing when the Contractor considers the Work complete and deliver to Owner its final application for payment and Owner shall, within fifteen (15) Days after receiving the written notice and the application for payment, either accept the Work or notify the Contractor of Work yet to be performed on the Contract. If Owner does not within the time allowed notify the Contractor of Work yet to be performed to fulfill contractual obligations, the interest provided by this subsection shall commence to run forty-five (45) Days after the end of the fifteen (15) Day period.

E.5.1.4 Owner will reduce the amount of the retainage if the Contractor notifies the Owner that the Contractor has deposited in an escrow account with a bank or trust company, in a manner authorized by the Owner, bonds and securities of equal value of a kind approved by the Owner and such bonds and securities have in fact been deposited.

E.5.1.5 Contractor agrees that if Contractor elects to reserve a retainage from any progress payment due to any Subcontractor or supplier, such retainage shall not exceed five percent of the payment, and such retainage withheld from Subcontractors and suppliers shall be subject to the same terms and conditions stated in Subsection E.5 as apply to Owner's retainage from any progress payment due to Contractor.

E.5.1.6 The Contractor shall comply with all applicable legal requirements for withholding and releasing retainage and for prompt payments, including but not limited to those in ORS Chapters 279C and 701, and 49 CFR 26.29.

E.6 FINAL PAYMENT

E.6.1 Upon completion of all the Work under the Contract, the Contractor shall notify the Owner, in writing, that Contractor has completed Contractor's obligations under the Contract and shall prepare its application requesting final payment. The amount of final payment will be the difference between the total amount due the Contractor pursuant to the Contract Documents and the sum of all payments previously made. Upon receipt of such notice and application for payment, the Owner will inspect the Work, and, if acceptable, submit to Contractor a recommendation as to acceptance of the completed Work and the final estimate of the amount due the Contractor. If the Work is not acceptable, Owner will notify Contractor within fifteen (15) Days of Contractor's request for final payment. Upon approval of this final application for payment by the Owner and compliance by the Contractor with

provisions in Section K, and Contractor's satisfaction of other provisions of the Contract Documents as may be applicable, the Owner shall pay to the Contractor all monies due under the provisions of these Contract Documents.

- E.6.2 Neither final payment nor any remaining retained percentage shall become due until the Contractor submits to the Owner (1) a certificate evidencing that insurance required by the Contract Documents to remain in force after final payment is currently in effect and will not be canceled or allowed to expire until at least thirty (30) Days' prior written notice has been given to the Owner, (2) a written statement that the Contractor knows of no substantial reason that the insurance will not be renewable to cover the period required by the Contract Documents, (3) consent of surety, if any, to final payment and (4), if required by the Owner, other data establishing payment or satisfaction of obligations, such as receipts, releases and waivers of liens, claims, security interests or encumbrances arising out of the Contract, to the extent and in such form as may be designated by the Owner. If a Subcontractor refuses to furnish a release or waiver required by the Owner, the Contractor may furnish a bond satisfactory to the Owner to indemnify the Owner against such lien. If such lien remains unsatisfied after payments are made, the Contractor shall refund to the Owner all money that the Owner may be compelled to pay in discharging such lien.
- E.6.3 Acceptance of final payment by the Contractor, a Subcontractor or material supplier shall constitute a waiver of claims by that payee except those previously made in writing and identified by that payee as unsettled at the time of final application for payment.
- E.6.4 Contractor agrees to submit its final payment application within ninety (90) Days after Substantial Completion, unless written extension is granted by Owner. Contractor shall not delay final payment application for any reason, including without limitation nonpayment of Subcontractors, suppliers, manufacturers or others not a party to the Contract, or lack of resolution of a dispute with Owner or any other person of matters arising out of or relating to the Contract. If Contractor fails to submit its final payment application within ninety (90) Days after Substantial Completion, and Contractor has not obtained written extension by Owner, all requests or Claims for additional costs or an extension of Contract Time shall be barred.

SECTION F PROJECT SITE CONDITIONS

F.1 USE OF PREMISES

Contractor shall confine equipment, storage of materials and operation of Work to the limits indicated by Contract Documents, Applicable Laws, permits or directions of the Owner. Contractor shall follow the Owner's instructions regarding use of premises, if any.

F.2 PROTECTION OF WORKERS, PROPERTY AND THE PUBLIC

- F.2.1 Contractor shall maintain continuous and adequate protection of all of the Work from damage and shall protect the Owner, workers and property from injury or loss arising in connection with the Contract. Contractor shall remedy acceptably to the Owner any damage, injury, or loss, except such as may be directly due to errors in the Contract Documents or caused by authorized representatives or personnel of the Owner. Contractor shall adequately protect adjacent property as provided by law and the Contract Documents.
- F.2.2 Contractor shall take all necessary precautions for the safety of all personnel on the Project Site or otherwise engaged in the undertaking of the Work and shall comply with the Contract Documents, best practices and all applicable provisions of federal, state and municipal safety laws and building codes to prevent

accidents or injury to persons on, about or adjacent to the premises where the Work is being performed. Contractor shall erect and properly maintain at all times, as required by the conditions and progress of the Work, all necessary safeguards for protection of workers and the public against any hazards created by construction. Contractor shall designate a responsible employee or associate on the Project Site, whose duty shall be the prevention of accidents. The name and position of the person designated shall be reported to the Owner. The Owner has no responsibility for Project Site safety. Project Site safety shall be the responsibility of the Contractor.

- F.2.3 Contractor shall not enter upon private property without first obtaining permission from the property owner or its duly authorized representative. Contractor shall be responsible for the preservation of all public and private property along and adjacent to the Work contemplated under the Contract and shall use every precaution necessary to prevent damage thereto. In the event the Contractor damages any property, the Contractor shall at once notify the property owner and make, or arrange to make, full restitution. Contractor shall, immediately and in writing, report to the Owner, all pertinent facts relating to such property damage and the ultimate disposition of the claim for damage.
- F.2.4 Contractor shall be responsible for protection of adjacent work areas including impacts brought about by activities, equipment, labor, utilities, vehicles and materials on the Project Site.
- F.2.5 Contractor shall at all times direct its activities in such a manner as to minimize adverse effects on the environment. Handling of all materials shall be conducted so no release will occur that may pollute or become hazardous.
- F.2.6 In an emergency affecting the safety of life or limb or of the Work or of adjoining property, the Contractor, without special instruction or authorization from the Owner, shall act reasonably to prevent threatened loss or injury, and shall so act, without appeal, if instructed by the Owner. Any compensation claimed by the Contractor on account of emergency work shall be determined in accordance with section D.
- F.2.7 Contractor shall comply with all Owner safety rules and regulations, if applicable. Prior to commencement of any Work, Contractor and Subcontractors shall be required to complete an Owner Contractor Safety Orientation and submit all Owner required safety plans.
- F.2.8 Contractor shall demonstrate that an employee drug testing program is in place.

F.3 CUTTING AND PATCHING

- F.3.1 If applicable, Contractor shall be responsible for coordinating all cutting, fitting, or patching of the Work to make its several parts come together properly and fit to receive or be received by work of other contractors or Subcontractors shown upon, or reasonably implied by, the Contract Documents.
- F.3.2 If applicable, Contractor shall be responsible for restoring all cut, fitted, or patched surfaces to an original condition; provided, however, that if a different condition is specified in the Contract Documents, then Contractor shall be responsible for restoring such surfaces to the condition specified in the Contract Documents.

F.4 CLEANING UP

From time to time as may be prudent or ordered by the Owner and, in any event, immediately after completion of the Work, the Contractor shall, at its own expense, clean up and remove all refuse and unused materials of any kind resulting from the Work. If Contractor fails to do so within twenty-four (24) hours after notification by the Owner the work may be

done by others and the cost charged to the Contractor and deducted from payment due the Contractor.

F.5 ENVIRONMENTAL CONTAMINATION

F.5.1. Contractor shall be held responsible for and shall indemnify, defend (with counsel of Owner's choice), and hold harmless Owner from and against any costs, expenses, damages, claims, and causes of action, or any of them, resulting from all spills, releases, discharges, leaks and disposal of environmental pollution, including storage, transportation, and handling during the performance of the Work or Contractor's obligations under the Contract which occur as a result of, or are contributed by, the negligence or actions of Contractor or its personnel, agents, or Subcontractors or any failure to perform in accordance with the Contract Documents (except to the extent otherwise void under ORS 30.140). Nothing in this section F.5.1 shall limit Contractor's responsibility for obtaining insurance coverages required under Section G.3 of the Contract, and Contractor shall take no action that would void or impair such coverages.

F.5.1.1 Contractor agrees to promptly dispose of such spills, releases, discharge or leaks to the satisfaction of Owner and regulatory agencies having jurisdiction in a manner that complies with Applicable Laws. Cleanup shall be at no cost to the Owner and shall be performed by properly qualified and, if applicable, licensed personnel.

F.5.1.2 Unless otherwise approved in the Solicitation Document, Contractor shall obtain the Owner's written consent prior to bringing onto the Project Site any (i) environmental pollutants or (ii) hazardous substances or materials, as the same or reasonably similar terms are used in any Applicable Laws. In any event, Contractor shall provide prior written notice to Owner when hazardous materials are brought on to the Project Site. The Contractor, at all times, shall:

- (a) properly handle, use and dispose of all environmental pollutants and hazardous substances or materials on the Project Site, in accordance with all Applicable Laws;
- (b) be responsible for any and all spills, releases, discharges, or leaks of (or from) environmental pollutants or hazardous substances or materials which Contractor has brought onto the Project Site; and
- (c) promptly clean up and remediate, without cost to the Owner, such spills, releases, discharges, or leaks to the Owner's satisfaction and in compliance with all Applicable Laws.

F.5.2 Contractor shall report all reportable quantity releases, as such releases are defined in Applicable Laws. Upon discovery, regardless of quantity, Contractor must verbally report all releases to the Owner in a prompt manner. A written follow-up report shall be submitted to Owner within 48 hours of the telephonic report. Such written report shall contain, as a minimum:

- (a) Description of items released (identity, quantity, manifest numbers, and any and all other documentation required by law).
- (b) Whether amount of items released is EPA/DEQ reportable, and, if so, when reported.
- (c) Exact time and location of release, including a description of the area involved.
- (d) Containment procedures initiated.

(e) Summary of communications about the release between Contractor and State, local or federal officials other than Owner. Any communication to the press will be done by Owner and Contractor will defer to Owner.

(f) Description of cleanup procedures employed or to be employed at the Project Site, including disposal location of spill residue.

(g) Personal injuries, if any, resulting from, or aggravated by, the release.

F.6 ENVIRONMENTAL CLEAN-UP

F.6.1 Unless disposition of environmental pollution is specifically a part of the Contract, or was caused by the Contractor (reference F.5 Environmental Contamination), Contractor shall immediately notify Owner of any hazardous substance(s) which Contractor discovers or encounters during performance of the Work required by the Contract. "Hazardous substance(s)" means any hazardous, toxic and radioactive materials and those substances defined as "hazardous substances," "hazardous materials," "hazardous wastes," "toxic substances," or other similar designations in any federal, state, or local law, regulation, or ordinance, including without limitation asbestos, polychlorinated biphenyl ("PCB"), or petroleum, and any substances, materials or wastes regulated by 40 CFR, Part 261 and defined as hazardous in 40 CFR S 261.3. In addition to notifying Owner of any hazardous substance(s) discovered or encountered, Contractor shall immediately cease working in any particular area of the Project where a hazardous substance(s) has been discovered or encountered if continued work in such area would present a risk or danger to the health or wellbeing of Contractor's or any Subcontractor's work force, property or the environment.

F.6.2 Upon being notified by Contractor of the presence of hazardous substance(s) on the Project Site, not brought on to the Project Site by Contractor, Owner shall arrange for the proper disposition of such hazardous substance(s).

F.7 DEMOLITION

F.7.1 For demolition tasks, if any, the Contractor shall salvage or recycle construction and demolition debris, if feasible and cost-effective.

SECTION G INDEMNITY, BONDING, AND INSURANCE

G.1 RESPONSIBILITY FOR DAMAGES / INDEMNITY

G.1.1 Contractor shall be responsible for all damage to property, injury to persons, and loss, expense, inconvenience, and delay that may be caused by, or result from, the carrying out of the Work to be done under the Contract, or from any act, omission or neglect of the Contractor, its Subcontractors, employees, guests, visitors, invitees and agents.

G.1.2 To the fullest extent permitted by law, Contractor shall indemnify, defend (with counsel approved by Owner) and hold harmless the Owner and its elected officials, officers, directors, agents, and employees (collectively "Indemnitees") from and against all liabilities, damages, losses, claims, expenses, demands and actions of any nature whatsoever which arise out of, result from or are related to: (a) any damage, injury, loss, expense, inconvenience or delay described in this Section G.1; (b) any accident or occurrence which happens or is alleged to have happened in or about the Project Site or any place where the Work is being performed, or in the vicinity of either, at any time prior to the time the Work is fully completed in all respects; (c) any failure of the Contractor to

observe or perform any duty or obligation under the Contract Documents which is to be observed or performed by the Contractor, or any breach of any agreement, representation or warranty of the Contractor contained in the Contract Documents or in any subcontract; (d) the negligent acts or omissions of the Contractor, a Subcontractor or anyone directly or indirectly employed by them or any one of them or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss or expense is caused in part by a party indemnified hereunder (except to the extent otherwise void under ORS 30.140); and (e) any lien filed upon the Project or bond claim in connection with the Work. Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity which would otherwise exist as to a party or person described in this Section G.1.2.

G.1.3 In claims against any person or entity indemnified under Section G.1.2 by an employee of the Contractor, a Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, the indemnification obligation under Section G.1.2 shall not be limited on amount or type of damages, compensation or benefits payable by or for the Contractor or a Subcontractor under workers' compensation acts, disability benefit acts or other employee benefit acts.

G.2 PERFORMANCE AND PAYMENT SECURITY; PUBLIC WORKS BOND

G.2.1 When the Contract Price is \$50,000 or more, the Contractor shall furnish and maintain in effect at all times during the Contract Period a performance bond in a sum equal to the Contract Price and a separate payment bond also in a sum equal to the Contract Price. Contractor shall furnish such bonds even if the Contract Price is less than the above thresholds if otherwise required by the Contract Documents.

G.2.2 Bond forms furnished by the Owner and notarized by Contractor's surety company authorized to do business in Oregon are the only acceptable forms of performance and payment security, unless otherwise specified in the Contract Documents.

G.2.3 Before execution of the Contract, the Contractor shall file with the Construction Contractors Board, and maintain in full force and effect, the separate public works bond required by Oregon Revised Statutes, Chapter 279C.830 and 279C.836, unless otherwise exempt under those provisions. The Contractor shall also include in every subcontract a provision requiring the Subcontractor to have a public works bond filed with the Construction Contractors Board before starting Work, unless otherwise exempt, and shall verify that the Subcontractor has filed a public works bond before permitting any Subcontractor to start Work.

G.3 INSURANCE

G.3.1 Primary Coverage: Insurance carried by Contractor under the Contract shall be the primary coverage. The coverages indicated are minimums unless otherwise specified in the Contract Documents.

G.3.2 Workers' Compensation: All employers, including Contractor, that employ subject workers who work under the Contract in the State of Oregon shall comply with ORS 656.017 and provide the required Workers' Compensation coverage, unless such employers are exempt under ORS 656.126. This shall include Employer's Liability Insurance with coverage limits of not less than the minimum amount required by statute for each accident. Contractors who perform the Work without the assistance or labor of any employee need not obtain such coverage if the Contractor certifies so in writing. Contractor shall ensure that each of its Subcontractors complies with these requirements. The Contractor shall require proof of such Workers' Compensation coverage by receiving and keeping on file a certificate of insurance from each

Subcontractor or anyone else directly employed by either the Contractor or its Subcontractors.

G.3.3 Builder's Risk Insurance:

G.3.3.1 Builder's Risk: During the term of the Contract, for new construction the Contractor shall obtain and keep in effect Builder's Risk insurance on an all risk forms, including earthquake and flood, for an amount equal to the full amount of the Contract, plus any changes in values due to modifications, Change Orders and loss of materials added. Such Builder's Risk shall include, in addition to earthquake and flood, theft, vandalism, mischief, collapse, transit, debris removal, and architect's fees "soft costs" associated with delay of Project due to insured peril. Any deductible shall not exceed \$50,000 for each loss, except the earthquake and flood deductible which shall not exceed 2 percent of each loss or \$50,000, whichever is greater. The deductible shall be paid by Contractor. The policy will include as loss payees Owner, the Contractor and its Subcontractors as their interests may appear.

G.3.3.2 Builder's Risk Installation Floater: For Work other than new construction, Contractor shall obtain and keep in effect during the term of the Contract, a Builder's Risk Installation Floater for coverage of the Contractor's labor, materials and equipment to be used for completion of the Work performed under the Contract. The minimum amount of coverage to be carried shall be equal to the full amount of the Contract. The policy will include as loss payees Owner, the Contractor and its Subcontractors as their interests may appear. Owner may waive this requirement at its sole and absolute discretion.

G.3.3.3 Such insurance shall be maintained until Owner has occupied the facility.

G.3.3.4 A loss insured under the Builder's Risk insurance shall be adjusted by the Owner and made payable to the Owner as loss payee. The Contractor shall pay Subcontractors their just shares of insurance proceeds received by the Contractor, and by appropriate agreements, written where legally required for validity, shall require Subcontractors to make payments to their Sub-subcontractors in similar manner. The Owner shall have power to adjust and settle a loss with insurers.

G.3.4 General Liability Insurance:

G.3.4.1 Commercial General Liability: Upon execution of a Contract, Contractor shall obtain, and keep in effect at Contractor's expense for the term of the Contract, Commercial General Liability Insurance ("CGL") covering bodily injury and property damage in the amount of not less than \$1,000,000 per claim and \$2,000,000 per occurrence in a form satisfactory to Owner. This insurance shall include personal injury liability, products and completed operations, and contractual liability coverage for the indemnities provided under the Contract (to the extent contractual liability coverage for the indemnity is available in the marketplace), and shall be issued on an occurrence basis written on ISO Form GC 00 01 (12 04 or later) or an equivalent form approved in advance by Owner. The CGL shall provide separation of insured language. The policy or policies obtained by Contractor for purposes of fulfilling the requirements of this section shall be primary insurance with respect to the Owner. Any insurance or self-insurance maintained by the County shall be excess and shall not contribute to it.

G.3.4.2 Automobile Liability: Contractor shall obtain, at Contractor's expense, and keep in effect during the term of the Contract, Automobile Liability Insurance covering owned, and/or hired vehicles, as applicable. The coverage may be written in combination with the Commercial General Liability Insurance. Contractor shall provide proof of insurance of not less than \$1,000,000 per claim and \$2,000,000 per occurrence. Contractor

and its Subcontractors shall be responsible for ensuring that all non-owned vehicles maintain adequate Automobile Liability insurance while on Project Site.

- G.3.4.3 Owner may adjust the insurance amounts required in Section G.3.4.1 and G.3.4.2 based upon institution specific risk assessments through the issuance of Supplemental General Conditions and a Contract.
- G.3.4.4 To the extent that the Contract Documents require the Contractor to provide professional design services, design-build, or certifications related to systems, materials, or equipment, the Contractor shall (1) purchase and maintain professional liability/errors-and-omissions insurance with limits of not less than \$1,000,000 for each claim and \$2,000,000 general annual aggregate and (2) cause those Subcontractors (of any tier) who are providing professional design services including any design-build services to procure and maintain professional liability/errors-and-omissions insurance with limits of not less than \$1,000,000 for each claim and \$2,000,000 general annual aggregate. This policy shall be for the protection of the Owner, its elected officials, officers, agents and employees against liability for damages because of personal injury, bodily injury, death, or damage to property, including loss of use thereof, and damages because of negligent acts, errors and omissions in any way related to the Contract. The Owner, at its option, may require a complete copy of the above policy.
- G.3.4.5 "Tail" Coverage: If any of the required liability insurance is arranged on a "claims made" basis, "tail" coverage will be required at the completion of the Contract for a duration of 36 months or the maximum time period available in the marketplace if less than 36 months. Contractor shall furnish certification of "tail" coverage as described or continuous "claims made" liability coverage for 36 months following Final Completion. Continuous "claims made" coverage will be acceptable in lieu of "tail" coverage, provided its retroactive date is on or before the effective date of the Contract. Owner's receipt of the policy endorsement evidencing such coverage shall be a condition precedent to Owner's obligation to make final payment and to Owner's final acceptance of Work or services and related warranty (if any).
- G.3.4.6 Umbrella Liability (if required by Owner through issuance of Supplemental General Conditions): Contractor shall obtain, at Contractor's expense, and keep in effect during the term of the Contract, Umbrella liability Insurance over and above the general liability, automobile liability and workers' compensation coverage if required by Owner in specified limits at time of requirement.
- G.3.4.7 Pollution Liability may be required by Owner through issuance of Supplemental General Conditions.
- G.3.5 Additional Insured: The general liability insurance coverage, automobile liability, umbrella, and pollution liability if required, shall include the Owner as additional insureds but only with respect to the Contractor's activities to be performed under the Contract. The additional-insured endorsement for CGL insurance must be written on ISO Form CG 20 10 (10 01) and CG 20 37 (10 01), or their equivalent, but shall not use either of the following forms: CG 20 10 (10 93) or CG 20 10 (03 94). Proof of insurance must include a copy of the endorsement showing "Clackamas County, its elected officials, agents, officers, and employees" as scheduled insureds.

If Contractor cannot obtain an insurer to name the Owner as additional insureds, Contractor shall obtain at Contractor's expense, and keep in effect during the term of the Contract, Owners and Contractors Protective Liability Insurance, naming the Owner as additional insureds with not less than a \$2,000,000

limit per occurrence. This policy must be kept in effect for 36 months following Final Completion. As evidence of coverage, Contractor shall furnish the actual policy to Owner prior to execution of the Contract.

- G.3.6 Notice of Cancellation or Change: If the Contractor receives a non-renewal or cancellation notice from an insurance carrier affording coverage required herein, or receives notice that coverage no longer complies with the insurance requirements herein, Contractor agrees to notify Owner by fax within five (5) business days with a copy of the non-renewal or cancellation notice, or written specifics as to which coverage is no longer in compliance. When notified by Owner, the Contractor agrees to stop Work pursuant to the Contract at Contractor's expense, unless all required insurance remain in effect. Any failure to comply with the reporting provisions of this insurance, except for the potential exhaustion of aggregate limits, shall not affect the coverages provided to the Owner and its institutions, divisions, officers, and employees.
- Owner shall have the right, but not the obligation, of prohibiting Contractor from entering the Project Site until a new certificate(s) of insurance is provided to Owner evidencing the replacement coverage. The Contractor agrees that Owner reserves the right to withhold payment to Contractor until evidence of reinstated or replacement coverage is provided to Owner.
- G.3.7 Certificate(s) of Insurance/Insurance Carrier Qualification: As evidence of the insurance coverage required by the Contract, the Contractor shall furnish certificate(s) of insurance to the Owner prior to execution of the Contract. The certificate(s) will specify all of the parties who are additional insureds or loss payees for the Contract. A renewal certificate shall be sent to Owner at least 10 days prior to coverage expiration. Insurance coverage required under the Contract shall be obtained from insurance companies or entities acceptable to the Owner and that are eligible to provide such insurance under Oregon law. Eligible insurers include admitted insurers that have been issued a certificate of authority from the Oregon Department of Consumer and Business Services authorizing them to conduct an insurance business and issue policies of insurance in the state of Oregon, and certain non-admitted surplus lines insurers that satisfy the requirements of applicable Oregon law and which are subject to approval by the Owner. The Contractor shall be financially responsible for all deductibles, self-insured retentions and/or self-insurance included hereunder. Any deductible, self-insured retention and/or self-insurance in excess of \$50,000 shall be subject to approval by the Owner in writing and shall be a condition precedent to the effectiveness of any Contract.

SECTION H SCHEDULE OF WORK

H.1 CONTRACT PERIOD

- H.1.1 Time is of the essence. The Contractor shall at all times carry on the Work diligently, without delay and punctually fulfill all requirements herein.
- H.1.2 Notice to Proceed. Unless otherwise directed in the Contract Documents, Contractor shall commence Work on the Project Site within fifteen (15) Days of the Notice to Proceed. Notwithstanding the Notice to Proceed, Contractor shall not be authorized to proceed with the Work until all initial Contract requirements, including the Contract, performance bond and payment bond, and certificates of insurance, have been fully executed and submitted in a form acceptable to Owner.
- H.1.3 Unless otherwise not required in the Construction Documents, Contractor shall participate in a pre-construction conference with the Owner's representative and designated design team. The

purpose of this pre-construction conference is to review the Contractor's proposed Schedule of Values and to review any other Project logistics to be coordinated between the parties.

H.1.4 Unless specifically extended by a Change Order, all Work shall be complete by the date contained in the Contract Documents. The Owner shall have the right to accelerate the completion date of the Work, which may require the use of overtime. Such accelerated Work schedule shall be an acceleration in performance of Work under Section D.1.2(f) and shall be subject to the provisions of Section D.1.

H.1.5 The Owner shall not waive any rights under the Contract by permitting the Contractor to continue or complete in whole or in part the Work after the date described in Section H.1.2 above.

H.2 SCHEDULE

H.2.1 Contractor shall provide, by or before the pre-construction conference, the initial as-planned schedule for review and acceptance by the Owner. The submitted schedule must illustrate Work by Project components, labor trades, and long lead items broken down by building and/or floor where applicable. If Owner shall so elect, Contractor shall provide the schedule in CPM format showing the graphical network of planned activities, including i) a reasonably detailed list of all activities required to complete the Work; ii) the time and duration that each activity will take to completion; and iii) the dependencies between the activities. Schedules lacking adequate detail, or unreasonably detailed, will be rejected. The schedule shall include the following: Notice to Proceed or the date the Work commences, if no Notice to Proceed is issued by Owner, Substantial Completion, and Final Completion. Schedules shall be updated monthly, unless otherwise required by the Contract Documents, and submitted with the monthly application for payment. Acceptance of the Schedule by the Owner does not constitute agreement by the Owner as to the Contractor's sequencing, means, methods, or durations. Any positive difference between the Contractor's scheduled completion and the Contract completion date is float owned by the Owner. Owner reserves the right to negotiate the float if it is deemed to be in Owner's best interest to do so. In no case shall the Contractor make a claim for delays if the Work is completed within the Contract Time but after Contractor's scheduled completion.

H.2.2 All Work shall be completed during normal weekdays (Monday through Friday) between the hours of 7:00 a.m. and 5:00 p.m. unless otherwise specified in the Contract Documents. Unless otherwise specified in the Contract Documents, no Work shall be performed during the following holidays:

- New Year's Day
- Martin Luther King Day
- Memorial Day
- Independence Day
- Labor Day
- Veterans Day
- Thanksgiving Day
- Christmas Day
- President's Day

When a holiday falls on a Sunday, the following Monday shall be recognized as a legal holiday. When a holiday falls on Saturday, the preceding Friday shall be recognized as a legal holiday.

H.3 PARTIAL OCCUPANCY OR USE

The Owner may occupy or use any completed or partially completed portion of the Work at any stage, provided such occupancy or use is consented to by public authorities having

jurisdiction over the Work. Such partial occupancy or use may commence whether or not the portion is substantially complete, provided the Owner and Contractor have reasonably accepted in writing the responsibilities assigned to each of them. Approval by the Contractor to partial occupancy or use shall not be unreasonably withheld. Immediately prior to such partial occupancy or use, the Owner and Contractor shall jointly inspect the area to be occupied or portion of the Work to be used in order to determine and record the condition of the Work. Partial occupancy or use of a portion or portions of the Work shall not constitute acceptance of Work not complying with the requirements of the Contract Documents.

SECTION I CORRECTION OF WORK

I.1 CORRECTION OF WORK BEFORE FINAL PAYMENT

The Contractor warrants to the Owner that materials and equipment furnished under the Contract will be of good quality and new unless otherwise required or permitted by the Contract Documents, that the Work will be free from defects, and that the Work will conform to the requirements of the Contract Documents. Work failing to conform to these requirements shall be deemed defective. Contractor shall promptly remove from the premises and replace all defective materials and equipment as determined by the Owner, whether incorporated in the Work or not. Removal and replacement shall be without loss or expense to the Owner, and Contractor shall bear the cost of repairing all Work destroyed or damaged by such removal or replacement. Contractor shall be allowed a period of no longer than thirty (30) Days after Substantial Completion for completion of defective (Punch List) work. At the end of the thirty-day period, or earlier if requested by the Contractor, Owner shall arrange for inspection of the Work by the Architect/Engineer. Should the work not be complete, and all corrections made, the costs for all subsequent reinspections shall be borne by the Contractor. If Contractor fails to complete the Punch List work within the thirty (30) Day period, Owner may perform such work and Contractor shall reimburse Owner all costs of the same within ten (10) Days after demand without affecting Contractor's obligations.

I.2 WARRANTY WORK

I.2.1 Neither the final certificate of payment nor any provision of the Contract Documents shall relieve the Contractor from responsibility for Defective Work and, unless a longer period is specified, Contractor shall correct all defects that appear in the Work within a period of one year from the date of issuance of the written notice of Substantial Completion by the Owner except for latent defects which will be remedied by the Contractor at any time they become apparent. The Owner shall give Contractor notice of defects with reasonable promptness. Contractor shall perform such warranty work within a reasonable time after Owner's demand and at Contractor's sole expense. If Contractor fails to complete the warranty work within such period as Owner determines reasonable, or at any time in the event of warranty work consisting of emergency repairs, Owner may perform such work and Contractor shall reimburse Owner all costs of the same within ten (10) Days after demand, without affecting Contractor's obligations. The Contractor shall perform the warranty Work by correcting defects within twenty-four (24) hours of notification by Owner, unless otherwise specified in the Contract Documents. Should the Contractor fail to respond within the specified response time, the Owner may, at its option, complete the necessary repairs using another contractor or its agents. If Owner completes the repairs using Owner's agent, Contractor shall pay Owner at the rate of one and one-half (1½) times the standard hourly rate of Owner's agent, plus related overhead and any direct non-salary costs. If Owner completes the repairs using another contractor, Contractor shall pay Owner the amount of Owner's direct costs billed by the other contractor for the work, plus the direct salary costs and related overhead and direct non-salary expenses of Owner's agents who

are required to monitor that contractor's work. Work performed by Owner using Owner's own agents or those of another contractor shall not affect the Contractor's contractual duties under these provisions, including warranty provisions.

- I.2.2 Nothing in this Section I.2 provision shall negate guarantees or warranties for periods longer than one year including without limitation, such guarantees or warranties required by other sections of the Contract Documents for specific installations, materials, processes, equipment or fixtures.
- I.2.3 In addition to Contractor's warranty, manufacturer's warranties shall pass to the Owner and shall not take effect until such portion of the Work covered by the applicable warranty has been accepted in writing by the Owner.
- I.2.4 The one-year period for correction of Work shall be extended with respect to portions of Work performed after Substantial Completion by the period of time between Substantial Completion and the actual performance of the Work, and shall be extended by corrective Work performed by the Contractor pursuant to this Section, as to the Work corrected. The Contractor shall remove from the Project Site portions of the Work which are not in accordance with the requirements of the Contract Documents and are neither corrected by the Contractor nor accepted by the Owner.
- I.2.5 Nothing contained in this Section I.2 shall be construed to establish a period of limitation with respect to other obligations which the Contractor might have under the Contract Documents. Establishment of the period for correction of Work as described in this Section I.2 relates only to the specific obligation of the Contractor to correct the Work, and has no relationship to the time within which the obligation to comply with the Contract Documents may be sought to be enforced, nor to the time within which proceedings may be commenced to establish the Contractor's liability with respect to the Contractor's obligations other than specifically to correct the Work.
- I.2.6 If the Owner prefers to accept Work which is not in accordance with the requirements of the Contract Documents, the Owner may do so instead of requiring its removal and correction, in which case the Contract Price will be reduced as appropriate and equitable as determined by Owner. Such adjustment shall be effected whether or not final payment has been made.

SECTION J

SUSPENSION AND/OR TERMINATION OF THE WORK

J.1 OWNER'S RIGHT TO SUSPEND THE WORK

- J.1.1 The Owner has the authority to suspend portions or all of the Work due to the following causes:
 - (a) Failure of the Contractor to correct unsafe conditions;
 - (b) Failure of the Contractor to carry out any provision of the Contract;
 - (c) Failure of the Contractor to carry out orders;
 - (d) Conditions, in the opinion of the Owner, which are unsuitable for performing the Work;
 - (e) Time required to investigate differing Project Site conditions; or
 - (f) Any reason considered to be in the public interest.
- J.1.2 The Owner shall notify Contractor and the Contractor's Surety in writing of the effective date and time of the suspension, and Owner shall notify Contractor and Contractor's surety in writing to resume Work.

J.2 CONTRACTOR'S RESPONSIBILITIES

- J.2.1 During the period of the suspension, Contractor is responsible to continue maintenance at the Project just as if the Work were in progress. This includes, but is not limited to, protection of completed Work, maintenance of access, protection of stored materials, temporary facilities, and clean-up.
- J.2.2 When the Work is recommenced after the suspension, the Contractor shall replace or renew any Work damaged during the suspension, remove any materials or facilities used as part of temporary maintenance, and complete the Work in every respect as though its prosecution had been continuous and without suspension.

J.3 COMPENSATION FOR SUSPENSION

Depending on the reason for suspension of the Work, the Contractor or the Owner may be due compensation by the other party. If the suspension was required due to acts or omissions of Contractor, the Owner may assess the Contractor actual costs of the suspension in terms of administration, remedial work by the Owner's agents or another contractor to correct the problem associated with the suspension, rent of temporary facilities, and other actual costs related to the suspension, and any liquidated damages arising from the delay. If the suspension was caused by acts or omissions of the Owner, the Contractor may be due compensation which shall be defined using Section D, Changes in Work. If the suspension was required through no fault of the Contractor or the Owner, neither party shall owe the other for the impact.

J.4 OWNER'S RIGHT TO TERMINATE CONTRACT

- J.4.1 The Owner may, without prejudice to any other right or remedy, and after giving Contractor seven (7) Days' written notice and an opportunity to cure, terminate the Contract in whole or in part under the following conditions:
 - (a) If Contractor should, voluntarily or involuntarily, seek protection under the United States Bankruptcy Code and Contractor as debtor-in-possession or the Trustee for the estate fails to assume the Contract within a reasonable time;
 - (b) If Contractor should make a general assignment for the benefit of Contractor's creditors;
 - (c) If a receiver should be appointed on account of Contractor's insolvency;
 - (d) If Contractor should repeatedly refuse or fail to supply an adequate number of skilled workers or proper materials to carry on the Work as required by the Contract Documents, or otherwise fail to perform the Work in a timely manner;
 - (e) If Contractor should repeatedly fail to make prompt payment to Subcontractors or for material or labor, or should disregard laws, ordinances or the instructions of the Owner;
 - (f) If Contractor is otherwise in breach of any part of the Contract; or
 - (g) If Contractor is in violation of Applicable Laws, either in the conduct of its business or in its performance of the Work.

- J.4.2 At any time that any of the above occurs, Owner may exercise all rights and remedies available to Owner at law or in equity, and, in addition, Owner may take possession of the premises and of all materials and appliances and finish the Work by whatever method it may deem expedient. In such case, the Contractor shall not be entitled to receive further payment until the Work is completed. If

the Owner's cost of finishing the Work exceeds the unpaid balance of the Contract Price, Contractor shall pay the difference to the Owner.

J.5 TERMINATION FOR CONVENIENCE, NON-APPROPRIATION OF FUNDS, OR FORCE MAJEURE

- J.5.1 Owner may terminate the Contract in whole or in part whenever Owner determines: (a) that termination of the Contract is in the best interest of Owner or the public; (b) that the Owner failed to receive funding, appropriations, allocations or other expenditure authority as contemplated by Owner's budget and Owner determines, in its sole determination, and its assessment and ranking of the policy objectives explicit or implicit in Owner's budget, Owner may determine it is necessary to and may terminate the Contract.; or (c) in the event of Force Majeure.
- J.5.2 The Owner shall provide the Contractor with seven (7) Days prior written notice of a termination for Owner's or for public convenience. After such notice, the Contractor shall provide the Owner with immediate and peaceful possession of the premises and materials located on and off the premises for which the Contractor received progress payment under Section E. Compensation for Work terminated by the Owner under this provision will be according to Section E. In no circumstance shall Contractor be entitled to lost profits for Work not performed due to termination. If the Contract is terminated for public convenience, neither the Contractor nor its Surety shall be relieved of liability for damages or losses suffered by the Owner as a result of defective, unacceptable or unauthorized Work completed or performed.

J.6 ACTION UPON TERMINATION

- J.6.1 Upon receiving a notice of termination, and except as directed otherwise by the Owner, Contractor shall immediately cease placing further subcontracts or orders for materials, services, or facilities. In addition, Contractor shall terminate all subcontracts or orders to the extent they relate to the Work terminated and, with the prior written approval of the Owner, settle all outstanding liabilities and termination settlement proposals arising from the termination of subcontracts and orders.
- J.6.2 As directed by the Owner, Contractor shall, upon termination, transfer title and deliver to the Owner all Record Documents, information, and other property that, if the Contract had been completed, would have been required to be furnished to the Owner.
- J.6.3 Upon Owner's notice of termination pursuant to either Section J.4 or J.5, if Owner shall so elect, Contractor shall assign to the Owner such subcontracts and orders as Owner shall specify. In the event Owner elects to take assignment of any such subcontract or order, Contractor shall take such action and shall execute such documents as Owner shall reasonably require for the effectiveness of such assignment and Contractor shall ensure that no contractual arrangement between it and its subcontractors or suppliers of any tier or sub-tier shall prevent such assignment.

SECTION K CONTRACT CLOSE OUT

K.1 RECORD DOCUMENTS

As a condition of final payment (refer also to section E.6), Contractor shall comply with the following: Contractor shall provide Record Documents for the entire Project to Owner. Record Documents shall depict the Project as constructed and shall reflect each and every change, modification, and deletion made during the construction. Record Documents are part of the Work and shall be provided prior to the Owner's issuance of final payment. Record Documents include all modifications to the Contract Documents unless otherwise directed.

K.2 OPERATION AND MAINTENANCE MANUALS

As part of the Work, Contractor shall submit two completed operation and maintenance manuals ("O & M Manuals") for review by the Owner prior to submission of any pay request for more than 75% of the Work. Owner's receipt of the O & M Manuals shall be a condition precedent to any payment thereafter due. The O & M Manuals shall contain a complete set of all submittals, all product data as required by the specifications, training information, telephone list and contact information for all consultants, manufacturers, installer and suppliers, manufacturer's printed data, record and shop drawings, schematic diagrams of systems, appropriate equipment indices, warranties and bonds. The Owner shall review and return one O & M Manual for any modifications or adjustments required. Prior to submission of its final pay request, Contractor shall deliver two (2) complete and approved sets of O & M Manuals in paper form and one (1) complete and approved set in electronic form to the Owner and Owner's receipt of the O & M Manuals shall be a condition precedent to Owner's obligation to make final payment.

K.3 COMPLETION NOTICES

- K.3.1 Contractor shall provide Owner written notice of both Substantial and Final Completion. The certificate of Substantial Completion shall state the date of Substantial Completion, the responsibilities of the Owner and Contractor for security, maintenance, heat, utilities, damage to the Work and insurance, and the time within which the Contractor shall finish all items on the Punch List accompanying the Certificate. Both completion notices must be signed and notarized by the Contractor and signed by the Architect/Engineer (if applicable) and Owner to be valid. The Owner shall provide the final signature on the notices. The notices shall take effect on the date they are signed by the Owner.
- K.3.2 Substantial Completion of a facility with operating systems (e.g., mechanical, electrical, HVAC) shall be that degree of completion that has provided a minimum of thirty (30) continuous Days of successful, trouble-free operation, which period shall begin after all performance and acceptance testing has been successfully demonstrated to the Owner. All equipment contained in the Work, plus all other components necessary to enable the Owner to operate the facility in the manner that was intended, shall be complete on the Substantial Completion date. The Contractor may request that a Punch List be prepared by the Owner with submission of the request for the Substantial Completion notice.

K.4 TRAINING

As part of the Work, and prior to submission of the final application for payment, the Contractor shall schedule with the Owner training sessions for all equipment and systems as required by the Contract Documents. Contractor shall schedule training sessions at least two weeks in advance of the date of training to allow Owner to provide its personnel with adequate notice. If assignments arise because of termination under Section J.4, then such assignments shall not relieve Contractor of liability hereunder. The O & M Manual shall be used as a basis for training. In addition to any off-Project Site training required by the Contract Documents, training shall include a formal session conducted at the Project Site after the equipment and/or system is completely installed and operational in its normal operating environment.

K.5 EXTRA MATERIALS

As part of the Work, Contractor shall provide spare parts, extra maintenance materials, and other materials or products in the quantities specified in the Contract Documents prior to final payment. Delivery point for extra materials shall be designated by the Owner.

K.6 ENVIRONMENTAL CLEAN-UP

As part of the Final Completion notice, or as a separate written notice submitted with or before the notice of Final Completion, the Contractor shall notify the Owner that all environmental and pollution clean-up, remediation and closure have been completed in accordance with all Applicable Laws and pursuant to the authority of all agencies having jurisdiction, and Contractor shall provide Owner with any and all documentation related to the same, including but not limited to directives, orders, letters, certificates and permits related to or arising from such environmental pollution. The notice shall reaffirm the indemnification given under Section F.5.1 above. Contractor's completion of its obligations under this Section K.6 and Owner's receipt of documents evidencing such completion shall be a condition precedent to Owner's obligation to make final payment.

K.7 CERTIFICATE OF OCCUPANCY

Owner's receipt of an unconditioned certificate of occupancy from the appropriate state and/or local building officials shall be a condition precedent to Owner's obligation to make final payment, except to the extent failure to obtain an unconditional certificate of occupancy is due to the fault or neglect of Owner.

K.8 OTHER CONTRACTOR RESPONSIBILITIES

The Contractor shall be responsible for returning to the Owner all property of Owner issued to Contractor during construction such as keys, security passes, Project Site admittance badges, and all other pertinent items. Upon notice from Owner, Contractor shall be responsible for notifying the appropriate utility companies to transfer utility charges from the Contractor to the Owner. The utility transfer date shall not be before Substantial Completion and may not be until Final Completion, if the Owner does not take beneficial use of the facility and the Contractor's agents continue with the Work.

The Owner's property is drug free and weapons free areas and the use of tobacco products is only allowed in designated areas. Contractor shall be required to ensure that its employees, Subcontractors and agents shall comply with these requirements.

SECTION L GENERAL PROVISIONS

L.1 NO THIRD PARTY BENEFICIARIES

Owner and Contractor are the only parties to the Contract and are the only parties entitled to enforce its terms. Nothing in the Contract gives, is intended to give, or shall be construed to give or provide any benefit or right, whether directly, indirectly, or otherwise, to third persons unless such third persons are individually identified by name herein and expressly described as intended beneficiaries of the terms of the Contract.

L.2 SEVERABILITY

If any provision of the Contract is declared by a court to be unenforceable, illegal, or in conflict with any law, the validity of the remaining terms and provisions shall not be affected and the rights and obligations of the parties shall be construed and enforced as if the Contract did not contain the particular provision held to be invalid.

L.3 ACCESS TO RECORDS

L.3.1 Contractor shall keep, at all times on the Project Site, one record copy of the complete Contract Documents, including the Plans, Specifications, addenda, and Change Orders (if any) in good order and marked currently to record field changes and selections made during construction, and one record copy of Shop Drawings, Product Data, Samples and similar submittals, and shall at all times give the Owner access thereto.

L.3.2 Contractor shall retain and the Owner and its duly authorized representatives shall have access, for a period not less than ten (10)

years, to all Record Documents, financial and accounting records, and other books, documents, papers and records of Contractor which are pertinent to the Contract, including records pertaining to Overhead and indirect costs, for the purpose of making audit, examination, excerpts and transcripts. If for any reason, any part of the Work or the Contract shall be subject to litigation, Contractor shall retain all such records until all litigation is resolved and Contractor shall continue to provide Owner and/or its agents with full access to such records until such time as all litigation is complete and all periods for appeal have expired and full and final satisfaction of any judgment, order or decree is recorded and Owner receives a record copy of documentation from Contractor.

L.4 WAIVER

Failure of the Owner to enforce any provision of the Contract shall not constitute a waiver or relinquishment by the Owner of the right to such performance in the future nor of the right to enforce any other provision of the Contract.

L.5 SUCCESSORS IN INTEREST

The provisions of the Contract shall be binding upon and shall accrue to the benefit of the parties to the Contract and their respective permitted successors and assigns.

L.6 GOVERNING LAW

The Contract shall be governed by and construed in accordance with the laws of the State of Oregon without giving effect to the conflict of law provisions thereof.

L.7 APPLICABLE LAW

Contractor hereto agrees to comply in all ways with applicable local, state and federal ordinances, statutes, laws and regulations.

L.8 NON-EXCLUSIVE RIGHTS AND REMEDIES

Except as otherwise expressly provided herein, the rights and remedies expressly afforded under the provisions of the Contract shall not be deemed exclusive, and shall be in addition to and cumulative with any and all rights and remedies otherwise available at law or in equity. The exercise by either Party of any one or more of such remedies shall not preclude the exercise by it, at the same or different times, of any other remedies for the same default or breach, or for any other default or breach, by the other Party.

L.9 INTERPRETATION

The titles of the sections of the Contract are inserted for convenience of reference only and shall be disregarded in construing or interpreting any of its provisions.

L.10 DEBT LIMITATION

The Contract is expressly subject to the debt limitation of Oregon counties set forth in Article XI, Section 10, of the Oregon Constitution, and is contingent upon funds being appropriated therefore. Any provisions herein which would conflict with law are deemed inoperative to that extent.

L.11 LITIGATION

Any Claim between Owner and Contractor that arises from or relates to the Contract and that is not resolved through the Claims Review Process in Section D.3 shall be brought and conducted solely and exclusively within the Circuit Court of Clackamas County for the State of Oregon; provided, however, if a Claim must be brought in a federal forum, then it shall be brought and conducted solely and exclusively within the United States District Court for the District of Oregon. In no event shall this section be construed as a waiver by the County of any form of defense or

immunity, whether sovereign immunity, governmental immunity, immunity based on the Eleventh Amendment to the Constitution of the United States or otherwise, from any claim or from the jurisdiction of any court. CONTRACTOR, BY EXECUTION OF THE CONTRACT, HEREBY CONSENTS TO THE IN PERSONAM JURISDICTION OF THE COURTS REFERENCED IN THIS SECTION.

L. 12 SURVIVAL

All warranty, indemnification, and record retention provisions of the Contract, and all of Contractor's other obligations under the Contract that are not fully performed by the time of Final Completion or termination, and all other rights and obligations which by their context are intended to survive, shall survive Final Completion or any termination of the Contract.

L.13 ACCESS TO RECORDS

L.13.1. Contractor shall keep, at all times on the Work site, one record copy of the complete Contract Documents, including the Plans, Specifications, Construction Change Directives and addenda, in good order and marked currently to record field changes and selections made during construction, and one copy of Shop Drawings, Project Data, Samples and similar submittals, and shall at all times give the Owner access thereto.

L.13.2 Contractor shall retain and the Owner and its duly authorized representatives shall have access, for a period not less than ten (10) years, to all Record Documents, financial and accounting records, and other books, documents, papers and records of Contractor which are pertinent to the Contract, including records pertaining to Overhead and indirect costs, for the purpose of making audit, examination, excerpts and transcripts. If for any reason, any part of the Work or this Contract shall be subject to litigation, Contractor shall retain all such records until all litigation is resolved and Contractor shall continue to provide Owner and/or its agents with full access to such records until such time as all litigation is complete and all periods for appeal have expired and full and final satisfaction of any judgment, order or decree is recorded and Owner receives a record copy of documentation from Contractor.

L.14 WAIVER

Failure of the Owner to enforce any provision of this Contract shall not constitute a waiver or relinquishment by the Owner of the right to such performance in the future nor of the right to enforce any other provision of this Contract.

L. 15 NO ATTORNEY FEES.

In the event any arbitration, action or proceeding, including any bankruptcy proceeding, is instituted to enforce any term of this Contract, each party shall be responsible for its own attorneys' fees and expenses.



**CLACKAMAS COUNTY
PUBLIC IMPROVEMENT CONTRACT
PERFORMANCE BOND**

Bond No.: K4175624A
 Solicitation: #2023-102
 Project Name: Loop Road and Parking Lot F Construction

| | | |
|--------------------------------------|--------------------------|--------------------|
| Federal Insurance Company(Surety #1) | Bond Amount No. 1: | \$**4,145,600.00** |
|(Surety #2)* | Bond Amount No. 2:* | \$ |
| * If using multiple sureties | Total Penal Sum of Bond: | \$**4,145,600.00** |

We, North Santiam Paving Co as Principal, and the above identified Surety(ies), authorized to transact surety business in Oregon, as Surety, hereby jointly and severally bind ourselves, our respective heirs, executors, administrators, successors and assigns firmly by these presents to pay unto Clackamas County, the sum of (Total Penal Sum of Bond) Four Million On Hundred Forty Five Thousand Six Hundred and No Cents** (Provided, that we the Sureties bind ourselves in such sum "jointly and severally" as well as "severally" only for the purpose of allowing a joint action or actions against any or all of us, and for all other purposes each Surety binds itself, jointly and severally with the Principal, for the payment of such sum only as is set forth opposite the name of such Surety); and

WHEREAS, the Principal has entered into a contract with Clackamas County, along with the plans, specifications, terms and conditions of which are contained in the above-referenced Solicitation; and

WHEREAS, the terms and conditions of the contract, together with applicable plans, standard specifications, special provisions, schedule of performance, and schedule of contract prices, are made a part of this Performance Bond by reference, whether or not attached to the contract (all hereafter called "Contract"); and

WHEREAS, the Principal has agreed to perform the Contract in accordance with the terms, conditions, requirements, plans and specifications, and all authorized modifications of the Contract which increase the amount of the work, the amount of the Contract, or constitute an authorized extension of the time for performance, notice of any such modifications hereby being waived by the Surety:

NOW, THEREFORE, THE CONDITION OF THIS BOND IS SUCH that if the Principal herein shall faithfully and truly observe and comply with the terms, conditions and provisions of the Contract, in all respects, and shall well and truly and fully do and perform all matters and things undertaken by Contractor to be performed under the Contract, upon the terms set forth therein, and within the time prescribed therein, or as extended as provided in the Contract, with or without notice to the Sureties, and shall defend, indemnify, and save harmless Clackamas County and its elected officials, officers, employees and agents, against any direct or indirect damages or claim of every kind and description that shall be suffered or claimed to be suffered in connection with or

arising out of the performance of the Contract by the Principal or its subcontractors, and shall in all respects perform said contract according to law, then this obligation is to be void; otherwise, it shall remain in full force and effect for so long as any term of the Contract remains in effect.

Nonpayment of the bond premium will not invalidate this bond nor shall Clackamas County, be obligated for the payment of any premiums.

This bond is given and received under authority of Oregon Revised Statutes Chapter 279C and the Clackamas County Local Contractor Review Board Rules, the provisions of which hereby are incorporated into this bond and made a part hereof.

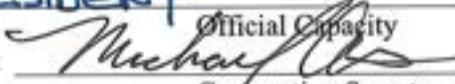
IN WITNESS WHEREOF, WE HAVE CAUSED THIS INSTRUMENT TO BE EXECUTED AND SEALED BY OUR DULY AUTHORIZED LEGAL REPRESENTATIVES.

Dated this 31st day of January, 2024.

PRINCIPAL: North Santiam Paving Co

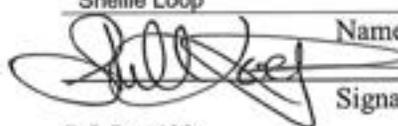
By:  Signature

PRESIDENT Official Capacity

Attest:  Corporation Secretary

SURETY: Federal Insurance Company
[Add signatures for each if using multiple bonds]

BY ATTORNEY-IN-FACT:
[Power-of-Attorney must accompany each bond]

Shellie Loop Name
 Signature
P O Box 190 Address
Stayton OR 97383
City State Zip
503-769-7105 503-769-7805
Phone Fax

CHUBB

Power of Attorney

Federal Insurance Company | Vigilant Insurance Company | Pacific Indemnity Company
Westchester Fire Insurance Company | ACE American Insurance Company

Know All by These Presents, that FEDERAL INSURANCE COMPANY, an Indiana corporation, VIGILANT INSURANCE COMPANY, a New York corporation, PACIFIC INDEMNITY COMPANY, a Wisconsin corporation, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY corporations of the Commonwealth of Pennsylvania, do each hereby constitute and appoint Kimberly Smith of Albany, Oregon; Deborah D. Ford-Bates of Lebanon, Oregon; Julee Korkow and Shellie Loop of Stayton, Oregon-

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY have each executed and attested these presents and affixed their corporate seals on this 30th day of July, 2021.

Dawn M. Chloros

Dawn M. Chloros, Assistant Secretary

Stephen M. Haney

Stephen M. Haney, Vice President



STATE OF NEW JERSEY
County of Hunterdon ss.

On this 30th day of July, 2021 before me, a Notary Public of New Jersey, personally came Dawn M. Chloros and Stephen M. Haney, to me known to be Assistant Secretary and Vice President, respectively, of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY, the companies which executed the foregoing Power of Attorney, and the said Dawn M. Chloros and Stephen M. Haney, being by me duly sworn, severally and each for herself and himself did depose and say that they are Assistant Secretary and Vice President, respectively, of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY and know the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of said Companies; and that their signatures as such officers were duly affixed and subscribed by like authority.

Notarial Seal



KATHERINE J. ADELAAR
NOTARY PUBLIC OF NEW JERSEY
No. 2316885
Commission Expires July 18, 2024

Katherine J. Adelaar
Notary Public

CERTIFICATION

Resolutions adopted by the Boards of Directors of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY on August 30, 2016; WESTCHESTER FIRE INSURANCE COMPANY on December 11, 2006; and ACE AMERICAN INSURANCE COMPANY on March 20, 2009:

*RESOLVED, that the following authorizations relate to the execution, for and on behalf of the Company, of bonds, undertakings, recognizances, contracts and other written commitments of the Company entered into in the ordinary course of business (each a "Written Commitment"):

- (1) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise.
- (2) Each duly appointed attorney-in-fact of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise, to the extent that such action is authorized by the grant of powers provided for in such person's written appointment as such attorney-in-fact.
- (3) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to appoint in writing any person the attorney-in-fact of the Company with full power and authority to execute, for and on behalf of the Company, under the seal of the Company or otherwise, such Written Commitments of the Company as may be specified in such written appointment, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.
- (4) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to delegate in writing to any other officer of the Company the authority to execute, for and on behalf of the Company, under the Company's seal or otherwise, such Written Commitments of the Company as are specified in such written delegation, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.
- (5) The signature of any officer or other person executing any Written Commitment or appointment or delegation pursuant to this Resolution, and the seal of the Company, may be affixed by facsimile on such Written Commitment or written appointment or delegation.

FURTHER RESOLVED, that the foregoing Resolution shall not be deemed to be an exclusive statement of the powers and authority of officers, employees and other persons to act for and on behalf of the Company, and such Resolution shall not limit or otherwise affect the exercise of any such power or authority otherwise validly granted or vested.

I, Dawn M. Chloros, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY (the "Companies") do hereby certify that

- (i) the foregoing Resolutions adopted by the Board of Directors of the Companies are true, correct and in full force and effect,
- (ii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Whitehouse Station, NJ, this 31st Day of January, 2024



Dawn M. Chloros

Dawn M. Chloros, Assistant Secretary

IN THE EVENT YOU WISH TO VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT:
Telephone (908) 903- 3493 Fax (908) 903- 3656 e-mail: surety@chubb.com



CLACKAMAS COUNTY
PUBLIC IMPROVEMENT CONTRACT

PAYMENT BOND

Bond No.: K4175624A
Solicitation: #2023-102
Project Name: Loop Road and Parking Lot F Construction

| | | |
|--------------------------------------|--------------------------|----------------------------|
| Federal Insurance Company(Surety #1) | Bond Amount No. 1: | \$ <u>**4,145,600.00**</u> |
| (Surety #2)* | Bond Amount No. 2:* | \$ <u>.....</u> |
| * If using multiple sureties | Total Penal Sum of Bond: | \$ <u>**4,145,600.00**</u> |

We, North Santiam Paving Co, as Principal, and the above identified Surety(ies), authorized to transact surety business in Oregon, as Surety, hereby jointly and severally bind ourselves, our respective heirs, executors, administrators, successors and assigns firmly by these presents to pay unto Clackamas County, the sum of (Total Penal Sum of Bond) Four Million On Hundred Forty Five Thousand-Six Hundred and No Cents** (Provided, that we the Sureties bind ourselves in such sum "jointly and severally" as well as "severally" only for the purpose of allowing a joint action or actions against any or all of us, and for all other purposes each Surety binds itself, jointly and severally with the Principal, for the payment of such sum only as is set forth opposite the name of such Surety); and

WHEREAS, the Principal has entered into a contract with Clackamas County, along with the plans, specifications, terms and conditions of which are contained in above-referenced Solicitation; and

WHEREAS, the terms and conditions of the contract, together with applicable plans, standard specifications, special provisions, schedule of performance, and schedule of contract prices, are made a part of this Payment Bond by reference, whether or not attached to the contract (all hereafter called "Contract"); and

WHEREAS, the Principal has agreed to perform the Contract in accordance with the terms, conditions, requirements, plans and specifications, and schedule of contract prices which are set forth in the Contract and any attachments, and all authorized modifications of the Contract which increase the amount of the work, or the cost of the Contract, or constitute authorized extensions of time for performance of the Contract, notice of any such modifications hereby being waived by the Surety:

NOW, THEREFORE, THE CONDITION OF THIS BOND IS SUCH that if the Principal shall faithfully and truly observe and comply with the terms, conditions and provisions of the Contract, in all respects, and shall well and truly and fully do and perform all matters and things by it undertaken to be performed under said Contract and any duly authorized modifications that are made, upon the terms set forth therein, and within the time prescribed therein, or as extended therein as provided in the Contract, with or without notice to the Sureties, and shall defend, indemnify, and save harmless Clackamas County and its elected officials, officers, employees and agents, against any claim for direct or indirect damages of every kind and description that shall be suffered or claimed to be suffered in connection with or arising out of the performance of the Contract by the Contractor or its subcontractors, and shall promptly pay all persons supplying labor, materials or both to the Principal or its subcontractors for prosecution of the work provided in the Contract; and shall promptly pay all contributions due the State Industrial Accident Fund and the State Unemployment Compensation Fund from the Principal or its subcontractors in connection with the performance of the Contract; and shall pay over to the Oregon Department of Revenue all sums required to be deducted and retained from the wages of employees of the Principal and its subcontractors pursuant to ORS 316.167, and

shall permit no lien nor claim to be filed or prosecuted against Clackamas County on account of any labor or materials furnished; and shall do all things required of the Principal by the laws of this State, then this obligation shall be void; otherwise, it shall remain in full force and effect for so long as any term of the Contract remains in effect.

Nonpayment of the bond premium will not invalidate this bond nor shall Clackamas County be obligated for the payment of any premiums.

This bond is given and received under authority of Oregon Revised Statutes Chapter 279C and the Clackamas County Local Contractor Review Board Rules, the provisions of which hereby are incorporated into this bond and made a part hereof.

IN WITNESS WHEREOF, WE HAVE CAUSED THIS INSTRUMENT TO BE EXECUTED AND SEALED BY OUR DULY AUTHORIZED LEGAL REPRESENTATIVES:

Dated this 31st day of January, 2024.

PRINCIPAL: North Santiam Paving

By:  Signature

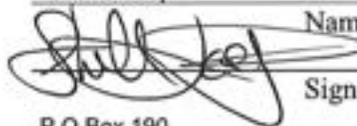
PRESIDENT Official Capacity

Attest:  Corporation Secretary

SURETY: Federal Insurance Company
[Add signatures for each if using multiple bonds]

BY ATTORNEY-IN-FACT:
[Power-of-Attorney must accompany each bond]

Shellie Loop Name

 Signature

P O Box 190 Address

Stayton OR 97383

City State Zip

503-769-7105 503-769-7805

Phone Fax

CHUBB[®]

Power of Attorney

Federal Insurance Company | Vigilant Insurance Company | Pacific Indemnity Company
Westchester Fire Insurance Company | ACE American Insurance Company

Know All by These Presents, that FEDERAL INSURANCE COMPANY, an Indiana corporation, VIGILANT INSURANCE COMPANY, a New York corporation, PACIFIC INDEMNITY COMPANY, a Wisconsin corporation, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY corporations of the Commonwealth of Pennsylvania, do each hereby constitute and appoint Kimberly Smith of Albany, Oregon; Deborah D. Ford-Bates of Lebanon, Oregon; Julie Korkow and Shellie Loop of Stayton, Oregon-----

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY have each executed and attested these presents and affixed their corporate seals on this 30th day of July, 2021.

Dawn M. Chloros

Dawn M. Chloros, Assistant Secretary

Stephen M. Haney

Stephen M. Haney, Vice President



STATE OF NEW JERSEY

County of Hunterdon

SS.

On this 30th day of July, 2021 before me, a Notary Public of New Jersey, personally came Dawn M. Chloros and Stephen M. Haney, to me known to be Assistant Secretary and Vice President, respectively, of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY, the companies which executed the foregoing Power of Attorney, and the said Dawn M. Chloros and Stephen M. Haney, being by me duly sworn, severally and each for herself and himself did depose and say that they are Assistant Secretary and Vice President, respectively, of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY and know the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of said Companies; and that their signatures as such officers were duly affixed and subscribed by like authority.

Notarial Seal



KATHERINE J. ADELAAR
NOTARY PUBLIC OF NEW JERSEY
No. 2318885
Commission Expires July 18, 2024

Katherine J. Adelaar
Notary Public

CERTIFICATION

Resolutions adopted by the Boards of Directors of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY on August 30, 2016; WESTCHESTER FIRE INSURANCE COMPANY on December 11, 2006; and ACE AMERICAN INSURANCE COMPANY on March 20, 2009:

"RESOLVED, that the following authorizations relate to the execution, for and on behalf of the Company, of bonds, undertakings, recognizances, contracts and other written commitments of the Company entered into in the ordinary course of business (each a "Written Commitment"):

- (1) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise.
- (2) Each duly appointed attorney-in-fact of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise, to the extent that such action is authorized by the grant of powers provided for in such person's written appointment as such attorney-in-fact.
- (3) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to appoint in writing any person the attorney-in-fact of the Company with full power and authority to execute, for and on behalf of the Company, under the seal of the Company or otherwise, such Written Commitments of the Company as may be specified in such written appointment, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.
- (4) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to delegate in writing to any other officer of the Company the authority to execute, for and on behalf of the Company, under the Company's seal or otherwise, such Written Commitments of the Company as are specified in such written delegation, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.
- (5) The signature of any officer or other person executing any Written Commitment or appointment or delegation pursuant to this Resolution, and the seal of the Company, may be affixed by facsimile on such Written Commitment or written appointment or delegation.

FURTHER RESOLVED, that the foregoing Resolution shall not be deemed to be an exclusive statement of the powers and authority of officers, employees and other persons to act for and on behalf of the Company, and such Resolution shall not limit or otherwise affect the exercise of any such power or authority otherwise validly granted or vested."

I, Dawn M. Chloros, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, PACIFIC INDEMNITY COMPANY, WESTCHESTER FIRE INSURANCE COMPANY and ACE AMERICAN INSURANCE COMPANY (the "Companies") do hereby certify that

- (i) the foregoing Resolutions adopted by the Board of Directors of the Companies are true, correct and in full force and effect,
- (ii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Whitehouse Station, NJ, this 31st Day of January, 2024



Dawn M. Chloros

Dawn M. Chloros, Assistant Secretary

IN THE EVENT YOU WISH TO VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT:
Telephone (908) 903-3493 Fax (908) 903-3656 e-mail: surety@chubb.com



CLACKAMAS COUNTY
PUBLIC IMPROVEMENT CONTRACT
PROJECT INFORMATION, PLANS, SPECIFICATIONS AND DRAWINGS

PROJECT: #2023-102 Loop Road and Parking Lot F Construction

PROJECT OVERVIEW

The work includes building demolition, layout and construction of parking areas, pedestrian access, and the realignment of Loop Road, and other Work as indicated in the Contract Documents. This is a stand-alone project and will be independent, but concurrent, with the Courthouse project currently in progress.

The contractor shall supply all materials and labor to complete their portion of the project in compliance with all local codes and regulations according to project specifications, drawings, and detailed requirements specified below.

Work includes, but is not limited to: civil, utilities, building demolition, clearing and grading, paving, cast in place concrete, landscaping and pavement markings.

1. The Contractor shall apply and pay for all necessary permits or licenses to perform the work associated with or described in this BID, other than permits supplied by the County. Contractor must obtain and pay for performance and payment bonds which shall be a required part of the Contract.
2. It is understood that work to be performed by the Contractor is based upon the specified structure in the existing location and condition, and that Clackamas County assumes no responsibility and makes no guarantee or representation as to the condition thereof prior to, or subsequent to, the execution of the contract.
3. Work hours are Monday through Friday 6:30am to 5:30pm. Afterhours and weekend work may be allowed depending upon Jurisdictional approval.
4. Selected Contractor shall convene a pre-construction meeting after contract award and before ordering materials or commencing any work. The Contractor shall provide a duration schedule for the project including anticipated delivery dates of materials. The pre-con shall be held at a mutually agreed upon location.

LICENSING

Subcontractors must be currently licensed in good standing with the Oregon Construction Contractor's Board and have or obtain a Metro or City of Oregon City license to bid on this project.

Engineers Estimate: \$8,100,000.00

Key Dates:

Time is of the essence for this Project. Note the Liquidated Damages requirements as described in the Supplemental General Conditions.

MILESTONES (all dates are estimated and maybe move adjusted as needed)

| | |
|--|--------------------------------------|
| 3/1/24..... | Issue Notice To Proceed |
| 3/6/24..... | Building/site turnover |
| 3/6/24..... | Construction Start (212 days) |
| 12/31/24..... | Construction Complete |
| 10/1/24-12/31/24..... | Loop Road Construction |
| 8/1/24-12/31/24..... | Parking Lots |
| 1/1/25-1/31/25..... | Final Roadworks |
| 5/1/25..... | Turnover for Courthouse Construction |
| Tentative schedule/milestones (NLT, but can be early): | |

The Scope further includes the following Plans, Specifications and Drawings:

- Building Permit Set- Specification Manual 74-23103-00, Dated September 11, 2023 (346 Pages)
- Clackamas County Courthouse Loop Road Extension & Parking Lot F Building Permit Set (65 pages)



INVITATION TO BID #2023-102
Loop Road and Parking Lot F Construction
ADDENDUM NUMBER 1
December 20, 2023

On December 5, 2023, Clackamas County (“County”) published Invitation to Bid #2023-102 (“BID”). The County has found that it is in its interest to amend the BID through the issuance of this Addendum #1. Except as expressly amended below, all other terms and conditions of the original BID and subsequent Addenda shall remain unchanged.

1. The Bid Due Date is hereby changed from January 4, 2024 at 2:00PM to **January 11, 2024 at 2:00PM.**

End of Addendum #1



INVITATION TO BID #2023-102
Loop Road and Parking Lot F Construction
ADDENDUM NUMBER 2
December 28, 2023

On December 5, 2023, Clackamas County (“County”) published Invitation to Bid #2023-102 (“BID”), and Addendum #2 on December 20, 2023. The County has found that it is in its interest to amend the BID through the issuance of this Addendum #2. Except as expressly amended below, all other terms and conditions of the original BID and subsequent Addenda shall remain unchanged.

- 1. The following changes are hereby made to the Project Specifications and Drawings:**
Remove and replace drawing L504 (Plant Material Listing) with the updated version titled Plant Material Listing – L504 Dated December 28, 2023.

Attachments:

- Plant Material Listing – L504 Dated December 28, 2023

End of Addendum #2

L503 PLANTINGS

| TREES | QTY | BOTANICAL NAME | COMMON NAME | SIZE | CONDITION | REMARKS |
|---------|-----|---------------------------|--------------------------|--------------|-------------|---------------------------|
| CED DEO | 7 | Cedrus deodara | Deodar Cedar | 6'-8' Height | B&B or Cont | Evenly branched, matching |
| PIC DEN | 6 | Picea glauca 'Densata' | Black Hills White Spruce | 6'-8' Height | B&B or Cont | Matching, full. |
| QUE SKY | 7 | Quercus robur 'Fastigita' | Skyrocket® English Oak | 2" cal | B&B or Cont | Matching, full. |
| SHRUBS | QTY | BOTANICAL NAME | COMMON NAME | SIZE | CONDITION | REMARKS |
| LON PIL | 64 | Lonicera pileata | Privet Honeysuckle | #3 | | Full and Bushy |
| RHA IN2 | 61 | Rhaphiolepis indica | Indian Hawthorn | #5 | Container | Full and Bushy |

LANDSCAPE SCHEDULE

PARKING LOT

| TREES | QTY | BOTANICAL NAME | COMMON NAME | SIZE | CONDITION | REMARKS | |
|------------------|-----|--|-----------------------------|--------------|-------------|---------------------------|----------------|
| ACE MAC | 0 | Acer macrophyllum | Big-Leaf Maple | 2" cal | B&B or Cont | Evenly branched, matching | |
| PIC DEN | 30 | Picea glauca 'Densata' | Black Hills White Spruce | 6'-8' Height | B&B or Cont | Matching, full. | |
| PRU SAR | 30 | Prunus sargentii | Sargent Cherry | 2" cal | B&B or Cont | Matching, full. | |
| QUE GAR | 30 | Quercus garryana | Oregon Oak | 2" cal | B&B or Cont | Evenly branched, matching | |
| THU PLI | 8 | Thuja plicata | Western Red Cedar | 6'-8' Height | B&B or Cont | Evenly branched, matching | |
| ZEL GRE | 28 | Zelkova serrata 'Green Vase' | Green Vase Sawleaf Zelkova | 2" cal | B&B or Cont | Evenly branched, matching | |
| QUE SKY | 3 | Quercus robur 'Fastigita' | Skyrocket® English Oak | 2" cal | B&B or Cont | Matching, full. | |
| SHRUBS | QTY | BOTANICAL NAME | COMMON NAME | SIZE | CONDITION | REMARKS | |
| ARB COM | 6 | Arbutus unedo 'Compacta' | Dwarf Strawberry Tree | #5 | | Full and Bushy | |
| PRU MOU | 382 | Prunus laurocerasus 'Mount Vernon' | Mount Vernon Laurel | #1 | | Full and Bushy | |
| SKI JPN | 196 | Skimmia japonica | Skimmia | #5 | | Full and Bushy | |
| VIB DAV | 407 | Viburnum davidii | David Viburnum | #3 | | Full and Bushy | |
| LON PIL | 64 | Lonicera pileata | Privet Honeysuckle | #3 | | Full and Bushy | |
| GRASSES / SEDGES | QTY | BOTANICAL NAME | COMMON NAME | SIZE | CONDITION | REMARKS | |
| CAR PRA | 685 | Carex testacea 'Prairie Fire' | Prairie Sedge | #3 | | Full and Bushy | |
| PEN HAM | 836 | Pennisetum alopecuroides 'Hameln' | Hameln Dwarf Fountain Grass | #3 | | Full and Bushy | |
| GROUNDCOVERS | QTY | BOTANICAL NAME | COMMON NAME | SIZE | CONDITION | O.C. SPACING | REMARKS |
| ARC EMC | 582 | Arctostaphylos uva-ursi 'Emerald Carpet' | Emerald Carpet Manzanita | #1 | | 2'-0" | Full and Bushy |

RAINGARDEN #5 (7,834 sf) (Zone A = 7,1136 sf and 8,183 herbacious plants)

| TREES | QTY | BOTANICAL NAME | COMMON NAME | SIZE | O.C. SPACING | CONDITION |
|----------------------------|------|---------------------|--------------------------|--------------|--------------|-----------|
| ACE CIR | 3 | Acer circinatum | Vine Maple | #15 | 8'-0" | A/B |
| COR NUT | 8 | Cornus nuttallii | Pacific Dogwood | 6'-8' Height | 10'-0" | A/B |
| MAL FUS | 12 | Malus fusca | Pacific Crab Apple | 2" cal | 10'-0" | A |
| THU PLI | 6 | Thuja plicata | Western Red Cedar | 6'-8' Height | 20'-0" | A/B |
| SMALL SHRUBS / GROUNDCOVER | QTY | BOTANICAL NAME | COMMON NAME | SIZE | O.C. SPACING | CONDITION |
| COR KEL | 0 | Cornus kelseyii | Kelsey Dogwood | #1 | 1'-0" | A/B |
| SYM ALB | 118 | Symphoricarpos alba | Snowberry | #1 | 3'-0" | A/B |
| HERBACIOUS | QTY | BOTANICAL NAME | COMMON NAME | SIZE | O.C. SPACING | CONDITION |
| CAR TES | 2729 | Carex testacea | New Zealand Orange Sedge | #1 | 1'-0" | A |
| JUN PAT | 2727 | Juncus patens | Spreading Rush | #1 | 1'-0" | A/B |
| SCI MIC | 2727 | Scirpus microcarpus | Smallfruited bullrush | #1 | 1'-0" | A |

Autodesk Docs://74-23103-00 Clackamas CC Loop Road/74-23103-00_CCC Loop Road_AR_2022.rvt 5/19/2023 3:55:10 PM



INVITATION TO BID #2023-102
Loop Road and Parking Lot F Construction
ADDENDUM NUMBER 3
January 8, 2024

On December 5, 2023, Clackamas County (“County”) published Invitation to Bid #2023-102 (“BID”), and Addendum #1 on December 20, 2023, and Addendum #2 on December 28, 2023. The County has found that it is in its interest to amend the BID through the issuance of this Addendum #3. Except as expressly amended below, all other terms and conditions of the original BID and subsequent Addenda shall remain unchanged.

- 1. The following changes are hereby made to the Project Specifications and Drawings:**
Remove and replace drawings with the attached drawing set titled *Clackamas County Courthouse Loop Road Extension and Parking Lot – Bid Addendum #3, dated 1/08/2024.*

Attachments:

- Clackamas County Courthouse Loop Road Extension and Parking Lot – Bid Addendum #3, dated 1/08/2024. (58 Pages)

End of Addendum #3

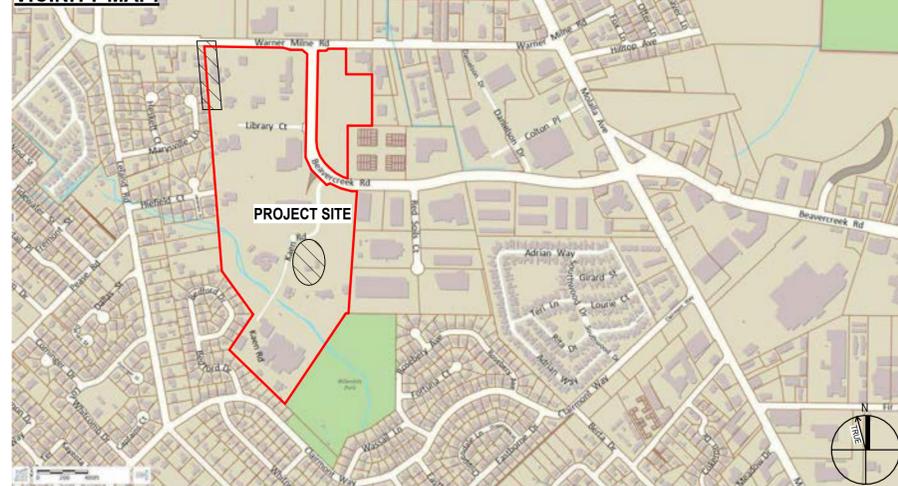
CLACKAMAS COUNTY COURTHOUSE LOOP ROAD EXTENSION & PARKING LOT F

BID ADDENDUM #3 1000 COURTHOUSE ROAD OREGON CITY, OR 01/08/2024

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VICINITY MAP:



SITE INFORMATION:

PARCEL NUMBERS: 3-2E-05C - 00812

SITE ADDRESS: 1000 COURTHOUSE RD,
OREGON CITY, OR 97045
FORMERLY: 2125 Kaen Road

PREVIOUS LU APPROVAL: CP-05-01 General Development
Plan amended by MAS-19-00001 Plan Amendment

GLUA-22-00033: General Land Use Application
MAS-22-00004: Detailed Development Plan
NROD-22-00020: Natural Resources Overlay District

PROPERTY SIZE: ~59 acres

ZONING: Mixed Use Employment (MUE)

OVERLAY DISTRICTS: Natural Resource

DEFERRED SUBMITTALS:
SEGMENTAL RETAINING WALL AT SOUTH EDGE OF PARKING LOT.

CODE REQUIREMENTS:
OREGON ACCESSIBILITY CODE
2021 OREGON ELECTRICAL SPECIALTY CODE

PROJECT DIRECTORY:

PROPERTY OWNER:
CLACKAMAS COUNTY
2051 KAEN ROAD
OREGON CITY, OR 97045
TEL: (971) 806-3379
ATTN: NANCY BUSH
EMAIL: NBUSH@CLACKAMAS.US

ARCHITECT:
DLR GROUP
110 SW YAMHILL STREET, SUITE 105
PORTLAND, OR 97204
TEL: (206) 461-6059
ATTN: ERICA LOYND
EMAIL: ELOYND@DLRGROUP.COM

CIVIL ENGINEER:
HARPER HOUF PETERSON RIGHELLIS, INC.
205 SE SPOKANE ST., SUITE 200
PORTLAND, OR 97202
TEL: (503) 221-1131
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EMAIL: RON@HPR.COM

LANDSCAPE ARCHITECT:
CAMERON MCCARTHY
133 SW 2ND AVE, SUITE 410
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ATTN: MATT KOEHLER
EMAIL: MKOEHLER@CAMERONMCCARTHY.COM

ELECTRICAL:
DLR GROUP
110 SW YAMHILL STREET, SUITE 105
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TEL: (206) 461-6059
ATTN: SEAN AVERY
EMAIL: SAVERY@DLRGROUP.COM

LIGHTING:
DLR GROUP
110 SW YAMHILL STREET, SUITE 105
PORTLAND, OR 97204
TEL: (206) 461-6059
ATTN: MARK SNELL
EMAIL: MSNELL@DLRGROUP.COM

GENERAL ABBREVIATIONS

| | | | |
|---------|---------------------------------------|--------|------------------------|
| # | NUMBER | SIM | SIMILAR |
| & | AND | SPEC | SPECIFICATION(S) |
| @ | AT | STD | STANDARD |
| | | STL | STEEL |
| ADA | AMERICANS WITH DISABILITY ACT | STOR | STORAGE |
| ADDN | ADDITION OR ADDITIONAL | STRUCT | STRUCTURAL |
| AFF | ABOVE FINISHED FLOOR | SYM | SYMMETRICAL |
| AFG | ABOVE FINISHED GRADE | | |
| AHJ | AUTHORITY HAVING JURISDICTION | TEMP | TEMPORARY |
| ALT | ALTERNATE | TYP | TYPICAL |
| ANSI | AMERICAN NATIONAL STANDARDS INSTITUTE | | |
| APPROX | APPROXIMATE | UNEX | UNEXCAVATED |
| ARCH | ARCHITECTURAL | UNFIN | UNFINISHED |
| | | UNO | UNLESS NOTED OTHERWISE |
| BLDG | BUILDING | | |
| BSMT | BASEMENT | VERT | VERTICAL |
| | | VEST | VESTIBULE |
| | | VIF | VERIFY IN FIELD |
| CL | CENTER LINE | | |
| CLG | CEILING | W | WEST |
| CM | CENTIMETER | W/ | WITH |
| CONC | CONCRETE | W/O | WITHOUT |
| CONN(S) | CONNECTION(S) | | |
| CONST | CONSTRUCTION | | |
| CONT | CONTINUOUS | | |
| CONTR | CONTRACT(OR) | | |
| CTR | CENTER | | |
| D | DEPTH | | |
| DEG | DEGREE | | |
| DEMO | DEMOLISH OR DEMOLITION | | |
| DIA | DIAMETER | | |
| DIM | DIMENSION | | |
| DIV | SPECIFICATION DIVISION | | |
| DN | DOWN | | |
| DTL | DETAIL | | |
| DWG(S) | DRAWING(S) | | |
| E | EAST | | |
| EA | EACH | | |
| EC | ELECTRICAL CONTRACTOR | | |
| EL | ELEVATION | | |
| ELEC | ELECTRICAL | | |
| ENG | ENGINEER | | |
| EQ | EQUAL | | |
| EQUIP | EQUIPMENT | | |
| EQUIV | EQUIVALENT | | |
| EXST | EXISTING | | |
| EXT | EXTERIOR | | |
| FIN | FINISHED | | |
| FL | FLOOR | | |
| FT | FEET | | |
| FUT | FUTURE | | |
| GC | GENERAL CONTRACTOR | | |
| GOVT | GOVERNMENT | | |
| H | HEIGHT | | |
| HORIZ | HORIZONTAL | | |
| HT | HEIGHT | | |
| i.e. | THAT IS | | |
| IBC | INTERNATIONAL BUILDING CODE | | |
| IN | INCH | | |
| INT | INTERIOR | | |
| LB(S) | POUND(S) | | |
| M | METER | | |
| MAX | MAXIMUM | | |
| MC | MECHANICAL CONTRACTOR | | |
| MECH | MECHANICAL | | |
| MEZZ | MEZZANINE | | |
| MFR | MANUFACTURER | | |
| MIN | MINIMUM | | |
| MISC | MISCELLANEOUS | | |
| MM | MILLIMETER | | |
| N | NORTH | | |
| N/A | NOT APPLICABLE | | |
| NIC | NOT IN CONTRACT | | |
| NTS | NOT TO SCALE | | |
| OC | ON CENTER | | |
| OPP | OPPOSITE | | |
| OVHD | OVERHEAD | | |
| PAR | PARALLEL | | |
| PENT | PENTHOUSE | | |
| PLYWD | PLYWOOD | | |
| QTY | QUANTITY | | |
| REQ(D) | REQUIRE(D) | | |
| REV | REVISION(S) | | |
| RM | ROOM | | |
| RND | ROUND | | |
| S | SOUTH | | |
| SCHED | SCHEDULE | | |
| SECT | SECTION | | |
| SHT | SHEET | | |

SITE SYMBOLS

| | | | |
|--|--|--|--------------------------|
| | PROPERTY LINE | | AREA INLET |
| | LOT LINE | | CURB INLET |
| | EASEMENT LINE | | MANHOLE |
| | BUILDING LINE, EXISTING | | HEAD WALL |
| | BUILDING LINE, NEW W/DOOR OPENING AND STRUCTURAL STOOB | | FLARED END |
| | PRIMARY CONTOUR, EXISTING | | CLEAN OUT |
| | PRIMARY CONTOUR, NEW | | CAP |
| | SECONDARY CONTOUR, EXISTING | | THRUST BLOCK |
| | SECONDARY CONTOUR, NEW | | VALVE |
| | SLOPE, PAVEMENT | | POST INDICATOR VALVE |
| | DRAINAGE DITCH OR SWALE | | REDUCER |
| | STREET CENTERLINE | | FIRE HYDRANT |
| | CURB, THICKENED EDGE | | POWER POLE |
| | CURB, EXISTING | | LIGHT POLE |
| | CURB, NEW | | TELEPHONE MANHOLE |
| | PAVING CONTRACTION JOINT | | TELEPHONE BOX |
| | PAVING KEYED CONSTRUCTION JOINT | | SPRINKLER HEAD, 360° |
| | PAVING TIED CONSTRUCTION JOINT | | SPRINKLER HEAD, 270° |
| | PAVING EXPANSION JOINT | | SPRINKLER HEAD, 180° |
| | FENCE, SECURITY | | SPRINKLER HEAD, 90° |
| | FENCE, BARBED WIRE | | QUICK COUPLING |
| | FENCE, CHAIN LINK | | TREE, EXISTING DECIDUOUS |
| | FENCE, WOOD | | TREE, EXISTING CONIFER |
| | SEED LIMIT | | SHADE TREE |
| | SOD LIMIT | | ORNAMENTAL TREE |
| | FOUNDATION DRAIN, NON-PERFORATED | | DECIDUOUS TREE |
| | FOUNDATION DRAIN, PERFORATED | | SHRUB |
| | SUBDRAIN, PERFORATED | | CLIPPED SHRUB |
| | SANITARY SEWER | | |
| | FORCE MAIN | | |
| | WATER | | |
| | FIRE | | |
| | GAS | | |
| | HPS | | |
| | MPS | | |
| | LPS | | |
| | UG/E/UGT | | |
| | OHP | | |
| | HOT | | |
| | LAT | | |

GENERAL NOTES

- GENERAL NOTES APPLY TO ALL SHEETS.
- DIMENSIONS ARE ACTUAL AND ARE TO FACE OF STUDS, FACE OF CONCRETE WALLS, FACE OF CMU WALLS, FACE OF FRAMES, OR CENTERLINE OF COLUMNS, UNLESS NOTED OTHERWISE.
- COORDINATE WITH MECHANICAL AND ELECTRICAL CONTRACTORS THE SIZE AND LOCATION OF EQUIPMENT PADS SHOWN ON PLANS.
- CONSTRUCTION DOCUMENTS ARE COMPLEMENTARY. SEE DRAWING FOR QUANTITIES AND LOCATION OF WORK. SEE SPECIFICATIONS FOR QUALITIES AND CONDITIONS OF WORK.
- WORK: ALL ASPECTS OF THE WORK AND ITEMS NOT SPECIFICALLY MENTIONED, BUT NECESSARY TO MAKE A COMPLETE WORKING INSTALLATION, SHALL BE INCLUDED AND INDICATED IN THE CONTRACTOR'S BID.
- GENERAL SHEET NOTES ONLY APPLY TO PARTICULAR DRAWING OR SERIES OF DRAWINGS.
- NO ASBESTOS OR PCB CONTAINING MATERIALS SHALL BE USED ON THIS PROJECT.
- DO NOT SCALE DRAWINGS. DIMENSIONS NOTED PREVAIL. NOTIFY ARCHITECT IN CASE OF DISCREPANCY.
- HORIZONTAL AND VERTICAL DIMENSIONS ARE MINIMUM DIMENSIONS. CLEARANCES ARE GIVEN TO FINISH SURFACES. GO TO VERIFY ALL CLEARANCES. NOTIFY ARCHITECT IN CASE OF DISCREPANCY.

GENERAL SYMBOLS

| | | | |
|--|------------------------------|--|--------------------------------|
| | DETAIL NUMBER | | EARTH |
| | CROSS REFERENCE | | GRAVEL |
| | SHEET NUMBER | | SAND |
| | BUILDING ELEVATION | | CONCRETE |
| | INTERIOR ELEVATION | | PRECAST CONCRETE |
| | SIMILAR OR TYPICAL REFERENCE | | STEEL |
| | WALL SECTION | | STONE |
| | DETAIL REFERENCE | | CONCRETE MASONRY UNIT |
| | BUILDING SECTION | | BRICK VENEER |
| | SHEET NOTE | | GYM FLOOR |
| | REFERENCE KEYNOTE | | WOOD (CONTINUOUS BLOCKING) |
| | COLUMN GRID LINE | | WOOD (NON-CONTINUOUS BLOCKING) |
| | ROOM NAME | | WOOD (TRIM/FINISH) |
| | ROOM NUMBER/NAME | | GLASS |
| | REVISION NUMBER | | SHINGLES |
| | LEVEL ELEVATION | | PLYWOOD (LARGE SCALE) |
| | FINISH FLOOR ELEVATION | | GYPSUM WALL BOARD |
| | SPOT ELEVATION | | BLANKET INSULATION |
| | | | RIGID INSULATION |
| | | | SPRAY FOAM INSULATION |
| | | | MINERAL WOOL INSULATION |
| | | | PROTECTION BOARD |
| | | | CARPET (LARGE SCALE) |
| | | | ACOUSTIC TILE (LARGE SCALE) |
| | | | TILE (LARGE SCALE) |

Autodesk Docs/174-23103-00 Clackamas CC Loop Road/74-23103-00_CCC Loop Road_AR_2022.rvt 1/8/2024 3:53:17 PM

CLACKAMAS COUNTY COURTHOUSE LOOP ROAD EXTENSION & PARKING LOT F

CLACKAMAS COUNTY, OR
1000 COURTHOUSE ROAD
OREGON CITY, OR 97045

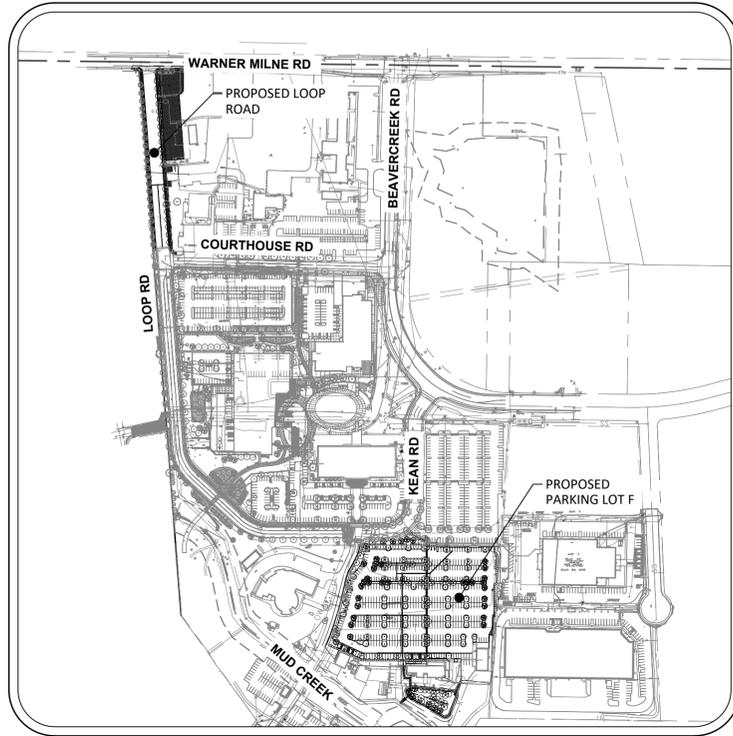
BID ADDENDUM #3

REVISIONS
01/08/2024

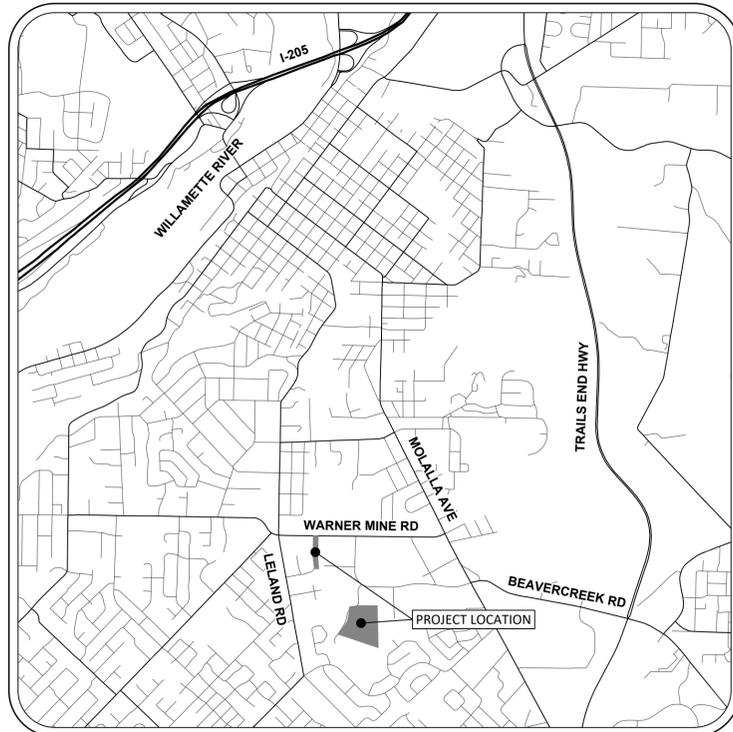
74-23103-00

GENERAL NOTES, SYMBOLS AND ABBREVIATIONS

CLACKAMAS COUNTY COURTHOUSE LOOP ROAD EXTENSION & PARKING LOT F EROSION AND SEDIMENT CONTROL PLAN - 1200-C



SITE MAP
SCALE: 1" = 300'



VICINITY MAP
N.T.S.

PROJECT LOCATION:

2125 KAEN RD
OREGON CITY, OREGON 97045
CLACKAMAS COUNTY, OREGON
LATITUDE = N45-19-58, LONGITUDE = W122-36-0.17

PROPERTY DESCRIPTION:

TAX LOT 812, TAX MAP 32E05C
LOCATED IN THE SOUTHWEST 1/4 OF SECTION 5, TOWNSHIP 3 SOUTH,
RANGE 2 EAST, WILLAMETTE MERIDIAN,
CLACKAMAS COUNTY, OREGON
EXISTING USE: COMMERCIAL BUILDINGS, PARKING LOTS, GRASSY AREAS
EXISTING ZONE DESIGNATION: MUE (MIXED USE EMPLOYMENT)
SITE AREA: 80.4 ACRES

PROJECT TEAM

OWNER:

CLACKAMAS COUNTY
150 BEAVERCREEK RD
OREGON CITY, OREGON, 97045

ARCHITECT

DLR GROUP
110 SW YAMHILL ST, SUITE 105
PORTLAND, OR 97204
CONTACT: ERICA LOYND
PHONE: (503) 274-2675
EMAIL: ELOYND@DLRGROUP.COM

ENGINEERING/SURVEYING:

HARPER HOUF PETERSON RIGHELLIS, INC.
205 SE SPOKANE STREET, SUITE 200
PORTLAND, OREGON 97202
CONTACT: KIM SHERA, P.E.
PHONE: (503) 221-1131
EMAIL: KIMS@HHPR.COM

CONTRACTOR:

COMPANY: TBD
ADDRESS: TBD
CONTACT: TBD
PHONE: TBD
EMAIL: TBD

PERMITTEE'S SITE INSPECTOR:

COMPANY/AGENCY: HARPER HOUF PETERSON RIGHELLIS, INC.
INSPECTOR: LUCAS MELAC
ADDRESS: 205 SE SPOKANE STREET, SUITE 200
PORTLAND, OREGON 97202
PHONE: (503) 221-1171
E-MAIL: LUCASM@HHPR.COM
CESCL #83751

**SHEET INDEX
EROSION AND SEDIMENT
CONTROL PLANS**

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| C-112 | ESCP - GENERAL NOTES |
| C-119 | ESCP - EXISTING CONDITIONS, DEMO, CLEARING, GRADING, EXCAVATION, & LAND DEVELOPMENT PLAN |
| C-120 | ESCP - UTILITY, STREET & VERTICAL CONSTRUCTION PLAN |
| C-121 | ESCP - FINAL LANDSCAPING & STABILIZATION PLAN |
| C-122 | ESCP - DETAILS |
| C-123 | ESCP - DETAILS |
| C-124 | ESCP - DETAILS |

RATIONALE STATEMENT

A COMPREHENSIVE LIST OF AVAILABLE BEST MANAGEMENT PRACTICES (BMP) OPTIONS BASED ON DEQ'S GUIDANCE MANUAL HAS BEEN REVIEWED TO COMPLETE THIS EROSION AND SEDIMENT CONTROL PLAN. SOME OF THE ABOVE LISTED BMP'S WERE NOT CHOSEN BECAUSE THEY WERE DETERMINED TO NOT EFFECTIVELY MANAGE EROSION PREVENTION AND SEDIMENT CONTROL FOR THIS PROJECT BASED ON SPECIFIC SITE CONDITIONS, INCLUDING SOIL CONDITIONS, TOPOGRAPHIC CONSTRAINTS, ACCESSIBILITY TO THE SITE, AND OTHER RELATED CONDITIONS. AS THE PROJECT PROGRESSES AND THERE IS A NEED TO REVISE THE ESC PLAN, AN ACTION PLAN WILL BE SUBMITTED.

ATTENTION EXCAVATORS:

OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THESE RULES FROM THE CENTER BY CALLING 503-232-1987. IF YOU HAVE ANY QUESTIONS ABOUT THE RULES, YOU MAY CONTACT THE CENTER. YOU MUST NOTIFY THE CENTER AT LEAST TWO BUSINESS DAYS, BEFORE COMMENCING AN EXCAVATION. CALL 503-246-6699.

INITIAL _____

THE PERMITTEE IS REQUIRED TO MEET ALL THE CONDITIONS OF THE 1200C PERMIT. THIS ESCP AND GENERAL CONDITIONS HAVE BEEN DEVELOPED TO FACILITATE COMPLIANCE WITH THE 1200C PERMIT REQUIREMENTS. IN CASES OF DISCREPANCIES OR OMISSIONS, THE 1200C PERMIT REQUIREMENTS SUPERCEDE REQUIREMENTS OF THIS PLAN.

NARRATIVE DESCRIPTION

EXISTING SITE CONDITIONS

THE CURRENT SITE (LOOP ROAD VICINITY) CONSISTS OF PAVED PARKING AREAS AND A PAVED DRIVE, WITH A COMMERCIAL BUILDING MIDWAY THROUGH THE SITE.

THE CURRENT SITE (PARKING LOT F VICINITY) CONSISTS OF MOSTLY GRAVEL PARKING WITH GRASSY AREAS AND FIVE COMMERCIAL BUILDINGS ON THE SOUTHERN HALF OF THE SITE. A WETLAND EXISTS ALONG THE SOUTHERN BORDER OF THE SITE.

DEVELOPED CONDITIONS

THE PROJECT IS PROPOSING THE CONSTRUCTION OF PAVED PARKING LOTS, SIDEWALKS, AN EXTENSION OF LOOP ROAD, SITE UTILITIES, LANDSCAPING, AND NEW STORMWATER FACILITIES.

NATURE OF CONSTRUCTION ACTIVITY AND ESTIMATED TIME TABLE

- CLEARING, GRUBBING, & DEMO WITH STOCKPILING: SPRING 2024
- MASS GRADING & SITE PREPPING: SUMMER 2024
- STREET & UTILITY CONSTRUCTION: SUMMER/FALL 2024
- FINAL STABILIZATION: JANUARY 2025 - SPRING 2025

TOTAL SITE AREA = 9.07 ACRES
TOTAL DISTURBED AREA = 7.22 ACRES
PERCENT OF SITE DISTURBED = 79.6%

PROJECT CUT AND FILL DATA:
CUT (CU. YD.) = 2,580
FILL (CU. YD.) = 4,830
NET VOLUME (CU. YD.) = 2,250

SITE SOIL CLASSIFICATION:

SITE SOIL IS CLASSIFIED AS BORNSTEDT SILT LOAM AND COTTRELL SILTY CLAY LOAM, RANGING FROM 0-8% SLOPES. THESE SOILS HAVE A MEDIUM POTENTIAL OF EROSION. EROSION CONTROL MEASURES WILL BE INSTALLED BEFORE CONSTRUCTION BEGINS.

RECEIVING WATER BODIES:

NEAREST WATER BODY: THE PROJECT DRAINS TO THE SOUTH/SOUTHWEST TO MUD CREEK.

HOURS OF OPERATION:

7 AM TO 6 PM, MONDAY THROUGH FRIDAY;
9 AM TO 6 PM, SATURDAY;
NO CONSTRUCTION ON SUNDAY

NEAREST RAIN GAUGE:

ORC03 - WILLAMETTE RIVER BELOW OREGON CITY FALLS
NESDID ID: D10637AE
LOCATED AT THE INTERSECTION OF MCLAUGHLIN BLVD & 6TH ST IN OREGON CITY, OREGON
LATITUDE: N45°21'28"
LONGITUDE: W122°36'35"

CONTRACTOR LIST

COMPANY: TBD
ADDRESS: TBD
CONTACT: TBD
PHONE: TBD
EMAIL: TBD

24-HR EMERGENCY CONTACT

COMPANY: TBD
ADDRESS: TBD
CONTACT: TBD
PHONE: TBD
EMAIL: TBD

SITE STEWARD

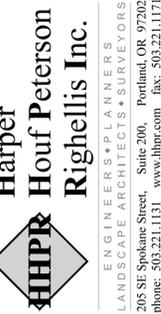
COMPANY: TBD
ADDRESS: TBD
CONTACT: TBD
PHONE: TBD
EMAIL: TBD

BMP MATRIX FOR CONSTRUCTION PHASES

REFER TO DEQ GUIDANCE MANUAL FOR A COMPREHENSIVE LIST OF AVAILABLE BMPs.

| BMP'S | CONSTRUCTION PHASE | | |
|--------------------------------|--|---|-----------------------------------|
| | DEMO, CLEARING, GRADING, EXCAVATING & LAND DEVELOPMENT | UTILITY, STREET & VERTICAL CONSTRUCTION | FINAL LANDSCAPING & STABILIZATION |
| CONCRETE TRUCK WASHOUT | X | X | |
| **CONSTRUCTION ENTRANCE | X | X | |
| DUST CONTROL | X | X | |
| HAZ WASTE MANAGEMENT | X | X | |
| **INLET PROTECTION | X | X | |
| **NATURAL BUFFER ZONE | X | X | |
| OUTLET PROTECTION | | X | |
| PROPER SIGNAGE | X | X | X |
| PLASTIC SHEETING | X | X | |
| **PRESERVE EXISTING VEGETATION | X | X | X |
| **SEDIMENT FENCING (PERIMETER) | X | X | |
| SPILL KIT ONSITE | X | X | |
| PERMANENT STABILIZATION | | | X |
| **WATTLES | X | X | |
| TEMPORARY SEEDING AND PLANTING | X | X | |

**SIGNIFIES BMP THAT WILL BE INSTALLED PRIOR TO ANY GROUND DISTURBING ACTIVITY.



CLACKAMAS COUNTY COURTHOUSE LOOP
ROAD EXTENSION & PARKING LOT F
CLACKAMAS COUNTY, OR
1000 COURTHOUSE ROAD
OREGON CITY, OR 97045

100% CD /
PERMIT SET

11/21/2023
REVISIONS

74-23103-00

ESCP - COVER
SHEET

STANDARD EROSION AND SEDIMENT CONTROL PLAN NOTES:

1. INCLUDE A LIST OF ALL PERSONNEL (BY NAME AND POSITION) THAT ARE RESPONSIBLE FOR THE DESIGN, INSTALLATION AND MAINTENANCE OF STORMWATER CONTROL MEASURES (E.G. ESCP DEVELOPER, BMP INSTALLER (SEE SECTION 4.10), AS WELL AS THEIR INDIVIDUAL RESPONSIBILITIES. (SECTION 4.4.C.II)
2. VISUAL MONITORING INSPECTION REPORTS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS. (SECTION 6.5)
3. INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS. (SECTION 6.5.Q)
4. RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY. (SECTION 4.7)
5. THE PERMIT REGISTRANT MUST IMPLEMENT THE ESCP. FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBED IN THE ESCP IS A VIOLATION OF THE PERMIT. (SECTIONS 4 AND 4.11)
6. THE ESCP MUST BE ACCURATE AND REFLECT SITE CONDITIONS. (SECTION 4.8)
7. SUBMISSION OF ALL ESCP REVISIONS IS NOT REQUIRED. SUBMITTAL OF THE ESCP REVISIONS IS ONLY UNDER SPECIFIC CONDITIONS.SUBMIT ALL NECESSARY REVISION TO DEQ OR AGENT WITHIN 10 DAYS. (SECTION 4.9)
8. SEQUENCE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION. (SECTION 2.2.2)
9. CREATE SMOOTH SURFACES BETWEEN SOIL SURFACE AND EROSION AND SEDIMENT CONTROLS TO PREVENT STORMWATER FROM BYPASSING CONTROLS AND PONDING. (SECTION 2.2.3)
10. IDENTIFY, MARK, AND PROTECT (BY CONSTRUCTION FENCING OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, AND VEGETATION AREAS TO BE PRESERVED. IDENTIFY VEGETATIVE BUFFER ZONES BETWEEN THE SITE AND SENSITIVE AREAS (E.G., WETLANDS), AND OTHER AREAS TO BE PRESERVED, ESPECIALLY IN PERIMETER AREAS. (SECTION 2.2.1)
11. PRESERVE EXISTING VEGETATION WHEN PRACTICAL AND RE-VEGETATE OPEN AREAS. RE-VEGETATE OPEN AREAS WHEN PRACTICABLE BEFORE AND AFTER GRADING OR CONSTRUCTION. IDENTIFY THE TYPE OF VEGETATIVE SEED MIX USED. (SECTION 2.2.5)
12. MAINTAIN AND DELINEATE ANY EXISTING NATURAL BUFFER WITHIN THE 50-FEET OF WATERS OF THE STATE. (SECTION 2.2.4)
13. INSTALL PERIMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION AS WELL AS ALL SEDIMENT BASINS, TRAPS, AND BARRIERS PRIOR TO LAND DISTURBANCE. (SECTIONS 2.1.3)
14. CONTROL BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS AND DOWNSTREAM CHANNELS AND STREAMBANKS. (SECTIONS 2.1.1. AND 2.2.16)
15. CONTROL SEDIMENT AS NEEDED ALONG THE SITE PERIMETER AND AT ALL OPERATIONAL INTERNAL STORM DRAIN INLETS AT ALL TIMES DURING CONSTRUCTION, BOTH INTERNALLY AND AT THE SITE BOUNDARY. (SECTIONS 2.2.6 AND 2.2.13)
16. ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK. (SECTION 2.2.14)
17. APPLY TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS AS GRADING PROGRESSES. TEMPORARY OR PERMANENT STABILIZATIONS MEASURES ARE NOT REQUIRED FOR AREAS THAT ARE INTENDED TO BE LEFT UNVEGETATED, SUCH AS DIRT ACCESS ROADS OR UTILITY POLE PADS.(SECTIONS 2.2.20 AND 2.2.21)
18. ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS. (SECTION 2.3.7)
19. KEEP WASTE CONTAINER LIDS CLOSED WHEN NOT IN USE AND CLOSE LIDS AT THE END OF THE BUSINESS DAY FOR THOSE CONTAINERS THAT ARE ACTIVELY USED THROUGHOUT THE DAY. FOR WASTE CONTAINERS THAT DO NOT HAVE LIDS, PROVIDE EITHER (1) COVER (E.G., A TARP, PLASTIC SHEETING, TEMPORARY ROOF) TO PREVENT EXPOSURE OF WASTES TO PRECIPITATION, OR (2) A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS (E.G., SECONDARY CONTAINMENT). (SECTION 2.3.7)
20. PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMPS SUCH AS: CONSTRUCTION ENTRANCE, GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ONSITE, OR USE AN EXIT TIRE WASH. THESE BMPS MUST BE IN PLACE PRIOR TO LAND-DISTURBING ACTIVITIES. (SECTION 2.2.7)
21. WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE. (SECTION 2.2.7.F)
22. CONTROL PROHIBITED DISCHARGES FROM LEAVING THE CONSTRUCTION SITE, I.E., CONCRETE WASH-OUT, WASTEWATER FROM CLEANOUT OF STUCCO, PAINT AND CURING COMPOUNDS. (SECTIONS 1.5 AND 2.3.9)
23. ENSURE THAT STEEP SLOPE AREAS WHERE CONSTRUCTION ACTIVITIES ARE NOT OCCURRING ARE NOT DISTURBED. (SECTION 2.2.10)
24. PREVENT SOIL COMPACTION IN AREAS WHERE POST-CONSTRUCTION INFILTRATION FACILITIES ARE TO BE INSTALLED. (SECTION 2.2.12)
25. USE BMPS TO PREVENT OR MINIMIZE STORMWATER EXPOSURE TO POLLUTANTS FROM SPILLS; VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE; OTHER CLEANING AND MAINTENANCE ACTIVITIES; AND WASTE HANDLING ACTIVITIES. THESE POLLUTANTS INCLUDE FUEL, HYDRAULIC FLUID, AND OTHER OILS FROM VEHICLES AND MACHINERY, AS WELL AS DEBRIS, FERTILIZER, PESTICIDES AND HERBICIDES, PAINTS, SOLVENTS, CURING COMPOUNDS AND ADHESIVES FROM CONSTRUCTION OPERATIONS. (SECTIONS 2.2.15 AND 2.3)
26. PROVIDE PLANS FOR SEDIMENTATION BASINS THAT HAVE BEEN DESIGNED PER SECTION 2.2.17 AND STAMPED BY AN OREGON PROFESSIONAL ENGINEER. (SEE SECTION 2.2.17.A)
27. IF ENGINEERED SOILS ARE USED ON SITE, A SEDIMENTATION BASIN/IMPOUNDMENT MUST BE INSTALLED. (SEE SECTIONS 2.2.17 AND 2.2.18)
28. PROVIDE A DEWATERING PLAN FOR ACCUMULATED WATER FROM PRECIPITATION AND UNCONTAMINATED GROUNDWATER SEEPAGE DUE TO SHALLOW EXCAVATION ACTIVITIES. (SEE SECTION 2.4)
29. IMPLEMENT THE FOLLOWING BMPS WHEN APPLICABLE: WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURES, EMPLOYEE TRAINING ON SPILL PREVENTION AND PROPER DISPOSAL PROCEDURES, SPILL KITS IN ALL VEHICLES, REGULAR MAINTENANCE SCHEDULE FOR VEHICLES AND MACHINERY, MATERIAL DELIVERY AND STORAGE CONTROLS, TRAINING AND SIGNAGE, AND COVERED STORAGE AREAS FOR WASTE AND SUPPLIES. (SECTION 2.3)
30. USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. (SECTION 2.2.9)
31. THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS TO MINIMIZE NUTRIENT RELEASES TO SURFACE WATERS. EXERCISE CAUTION WHEN USING TIME-RELEASE FERTILIZERS WITHIN ANY WATERWAY RIPARIAN ZONE. (SECTION 2.3.5)
32. IF AN ACTIVE TREATMENT SYSTEM (FOR EXAMPLE, ELECTRO-COAGULATION, FLOCCULATION, FILTRATION, ETC.) FOR SEDIMENT OR OTHER POLLUTANT REMOVAL IS EMPLOYED, SUBMIT AN OPERATION AND MAINTENANCE PLAN (INCLUDING SYSTEM SCHEMATIC, LOCATION OF SYSTEM, LOCATION OF INLET, LOCATION OF DISCHARGE, DISCHARGE DISPERSION DEVICE DESIGN, AND A SAMPLING PLAN AND FREQUENCY) BEFORE OPERATING THE TREATMENT SYSTEM. OBTAIN ENVIRONMENTAL MANAGEMENT PLAN APPROVAL FROM DEQ BEFORE OPERATING THE TREATMENT SYSTEM. OPERATE AND MAINTAIN THE TREATMENT SYSTEM ACCORDING TO MANUFACTURER'S SPECIFICATIONS. (SECTION 1.2.9)
33. TEMPORARILY STABILIZE SOILS AT THE END OF THE SHIFT BEFORE HOLIDAYS AND WEEKENDS, IF NEEDED. THE REGISTRANT IS RESPONSIBLE FOR ENSURING THAT SOILS ARE STABLE DURING RAIN EVENTS AT ALL TIMES OF THE YEAR. (SECTION 2.2)
34. AS NEEDED BASED ON WEATHER CONDITIONS, AT THE END OF EACH WORKDAY SOIL STOCKPILES MUST BE STABILIZED OR COVERED, OR OTHER BMPS MUST BE IMPLEMENTED TO PREVENT DISCHARGES TO SURFACE WATERS OR CONVEYANCE SYSTEMS LEADING TO SURFACE WATERS. (SECTION 2.2.8)
35. SEDIMENT FENCE: REMOVE TRAPPED SEDIMENT BEFORE IT REACHES ONE THIRD OF THE ABOVE GROUND FENCE HEIGHT AND BEFORE FENCE REMOVAL. (SECTION 2.1.5.B)
36. OTHER SEDIMENT BARRIERS (SUCH AS BIOBAGS): REMOVE SEDIMENT BEFORE IT REACHES TWO INCHES DEPTH ABOVE GROUND HEIGHT AND BEFORE BMP REMOVAL. (SECTION 2.1.5.C)
37. CATCH BASINS: CLEAN BEFORE RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT. SEDIMENT BASINS AND SEDIMENT TRAPS: REMOVE TRAPPED SEDIMENTS BEFORE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT AND AT COMPLETION OF PROJECT. (SECTION 2.1.5.D)
38. WITHIN 24 HOURS, SIGNIFICANT SEDIMENT THAT HAS LEFT THE CONSTRUCTION SITE, MUST BE REMEDIATED. INVESTIGATE THE CAUSE OF THE SEDIMENT RELEASE AND IMPLEMENT STEPS TO PREVENT A RECURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN-UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DEPARTMENT OF STATE LANDS REQUIRED TIMEFRAME. (SECTION 2.2.19.A)
39. THE INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGE WAYS MUST NOT OCCUR. VACUUMING OR DRY SWEEPING AND MATERIAL PICKUP MUST BE USED TO CLEANUP RELEASED SEDIMENTS. (SECTION 2.2.19)

STANDARD EROSION AND SEDIMENT CONTROL PLAN NOTES:

40. DOCUMENT ANY PORTION(S) OF THE SITE WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED OR WILL BE TEMPORARILY INACTIVE FOR 14 OR MORE CALENDAR DAYS. (SECTION 6.5.F.)
41. PROVIDE TEMPORARY STABILIZATION FOR THAT PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES CEASE FOR 14 DAYS OR MORE WITH A COVERING OF BLOWN STRAW AND A TACKIFIER, LOOSE STRAW, OR AN ADEQUATE COVERING OF COMPOST MULCH UNTIL WORK RESUMES ON THAT PORTION OF THE SITE. (SECTION 2.2.20)
42. DO NOT REMOVE TEMPORARY SEDIMENT CONTROL PRACTICES UNTIL PERMANENT VEGETATION OR OTHER COVER OF EXPOSED AREAS IS ESTABLISHED. ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED, ALL TEMPORARY EROSION CONTROLS AND RETAINED SOILS MUST BE REMOVED AND DISPOSED OF PROPERLY, UNLESS NEEDED FOR LONG TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE. (SECTION 2.2.21)
- CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND CREATION OF BARE GROUND.
- TEMPORARY STABILIZATION OF THE SITE MUST OCCUR AT THE END OF EACH WORK DAY.
- SEDIMENT CONTROLS MUST BE INSTALLED AND MAINTAINED ON ALL DOWN GRADIENT SIDES OF THE CONSTRUCTION SITE AT ALL TIMES DURING CONSTRUCTION. THEY MUST REMAIN IN PLACE UNTIL PERMANENT VEGETATION OR OTHER PERMANENT COVERING OF EXPOSED SOIL IS ESTABLISHED.
- ALL ACTIVE INLETS MUST HAVE SEDIMENT CONTROLS INSTALLED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION. UNLESS OTHERWISE APPROVED, A SURFACE MOUNTED AND ATTACHABLE, U-SHAPED FILTER BAG IS REQUIRED FOR ALL CURB INLET CATCH BASINS.
- SIGNIFICANT AMOUNTS OF SEDIMENT WHICH LEAVES THE SITE MUST BE CLEANED UP WITHIN 24 HOURS AND PLACED BACK ON THE SITE AND STABILIZED OR PROPERLY DISPOSED. THE CAUSE OF THE SEDIMENT RELEASE MUST BE FOUND AND PREVENTED FROM CAUSING A RECURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DEPARTMENT OF STATE LANDS REQUIRED TIME FRAME.
- SEDIMENT MUST NOT BE INTENTIONALLY WASHED INTO STORM SEWERS, DRAINAGE WAYS, OR WATER BODIES.
- SEDIMENT MUST BE REMOVED FROM BEHIND ALL SEDIMENT CONTROL MEASURES WHEN IT HAS REACHED A HEIGHT OF 1/3RD THE BARRIER HEIGHT, AND PRIOR TO THE CONTROL MEASURES REMOVAL.
- CLEANING OF ALL STRUCTURES WITH SUMPS MUST OCCUR WHEN THE SEDIMENT RETENTION CAPACITY HAS BEEN REDUCED BY 50% AND AT COMPLETION OF PROJECT.
- ANY USE OF TOXIC OR OTHER HAZARDOUS MATERIALS MUST INCLUDE PROPER STORAGE, APPLICATION, AND DISPOSAL.
- THE PERMITTEE MUST PROPERLY MANAGE HAZARDOUS WASTES, USED OILS, CONTAMINATED SOILS, CONCRETE WASTE, SANITARY WASTE, LIQUID WASTE, OR OTHER TOXIC SUBSTANCES DISCOVERED OR GENERATED DURING CONSTRUCTION.
- THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS. NUTRIENT RELEASES FROM FERTILIZERS TO SURFACE WATERS MUST BE MINIMIZED. TIME RELEASE FERTILIZERS SHOULD BE USED AND CARE SHOULD BE MADE IN APPLICATION OF FERTILIZERS WITHIN ANY WATER WAY RIPARIAN ZONE.
- OWNER OR DESIGNATED PERSON SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES, IN ACCORDANCE WITH CURRENT CLEAN WATER SERVICES STANDARDS AND STATE, AND FEDERAL REGULATIONS.
- PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BOUNDARIES OF THE CLEARING LIMITS, VEGETATED BUFFERS, AND ANY SENSITIVE AREAS SHOWN ON THIS PLAN SHALL BE CLEARLY DELINEATED IN THE FIELD. UNLESS OTHERWISE APPROVED, NO DISTURBANCE IS PERMITTED BEYOND THE CLEARING LIMITS. THE OWNER/PERMITTEE MUST MAINTAIN THE DELINEATION FOR THE DURATION OF THE PROJECT.
NOTE: VEGETATED CORRIDORS TO BE DELINEATED WITH ORANGE CONSTRUCTION FENCE OR APPROVED EQUAL.
- PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BMPS THAT MUST BE INSTALLED ARE GRAVEL CONSTRUCTION ENTRANCE, PERIMETER SEDIMENT CONTROL, AND INLET PROTECTION. THESE BMPS MUST BE MAINTAINED FOR THE DURATION OF THE PROJECT.
- IF VEGETATIVE SEED MIXES ARE SPECIFIED, SEEDING MUST TAKE PLACE NO LATER THAN OCTOBER 1ST; THE TYPE AND PERCENTAGES OF SEED IN THE MIX ARE AS IDENTIFIED ON THE PLANS OR AS SPECIFIED BY THE DESIGN ENGINEER.
- WATER-TIGHT TRUCKS MUST BE USED TO TRANSPORT SATURATED SOILS FROM THE CONSTRUCTION SITE. AN APPROVED EQUIVALENT IS TO DRAIN THE SOIL ON SITE AT A DESIGNATED LOCATION USING APPROPRIATE BMPS; SOIL MUST BE DRAINED SUFFICIENTLY FOR MINIMAL SPILLAGE.
- ALL PUMPING OF SEDIMENT LADEN WATER MUST BE DISCHARGED OVER AN UNDISTURBED, PREFERABLY VEGETATED AREA, AND THROUGH A SEDIMENT CONTROL BMP.
- THE ESC PLAN MUST BE KEPT ONSITE. ALL MEASURES SHOWN ON THE PLAN MUST BE INSTALLED PROPERLY TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER A SURFACE WATER SYSTEM, ROADWAY, OR OTHER PROPERTIES.
- THE ESC MEASURES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE MEASURES SHALL BE UPGRADED AS NEEDED TO MAINTAIN COMPLIANCE WITH ALL REGULATIONS.
- WRITTEN ESC LOGS ARE SUGGESTED TO BE MAINTAINED ONSITE AND AVAILABLE TO DISTRICT INSPECTORS UPON REQUEST.
- IN AREAS SUBJECT TO WIND EROSION, APPROPRIATE BMPS MUST BE USED WHICH MAY INCLUDE THE APPLICATION OF FINE WATER SPRAYING, PLASTIC SHEETING, MULCHING, OR OTHER APPROVED MEASURES.
- ALL EXPOSED SOILS MUST BE COVERED.

POLLUTION GENERATING ACTIVITIES:

1. FUEL/HYDRAULIC FLUID/OIL FROM VEHICLE AND CONSTRUCTION EQUIPMENT
2. SEDIMENT/DEBRIS/FERTILIZER/PESTICIDES/HERBICIDES FROM CLEARING AND LANDSCAPING

NO POLLUTANTS SHALL BE ALLOWED TO BE DISCHARGED INTO THE STORM SYSTEM. THE CONTRACTOR SHALL PROVIDE DEQ APPROVED SPILL AND CONTAINMENT FACILITIES IN MATERIAL STORAGE LOCATION SHOWN ON PLANS.

AUTHORIZED NON-STORMWATER DISCHARGES:

THE FOLLOWING NON-STORMWATER DISCHARGES FROM CONSTRUCTION SITES ARE AUTHORIZED IF THE TERMS AND CONDITIONS OF THIS PERMIT ARE MET, ALL NECESSARY CONTROLS ARE IMPLEMENTED TO MINIMIZE SEDIMENT TRANSPORT, THE DISCHARGE IS NOT A SIGNIFICANT SOURCE OF POLLUTANTS AND NOT CONTAMINATED, AND THE DISCHARGE IS NOT PROHIBITED BY LOCAL ORDINANCE.

1. WATER AND ASSOCIATED DISCHARGES FROM EMERGENCY FIREFIGHTING ACTIVITIES;
2. FIRE HYDRANT FLUSHING;
3. PROPERLY MANAGED LANDSCAPE IRRIGATION;
4. WATER USED TO WASH EQUIPMENT AND VEHICLES (EXCLUDING THE ENGINE, UNDERCARRIAGE, AND WHEELS/TIRES) PROVIDED THERE IS NO DISCHARGE OF SOAPS, SOLVENTS, OR DETERGENTS USED;
5. WATER USED TO CONTROL DUST;
6. POTABLE WATER INCLUDING UNCONTAMINATED WATER LINE FLUSHINGS;
7. EXTERNAL BUILDING WASHDOWN, PROVIDED SOAPS, SOLVENTS, AND DETERGENTS ARE NOT USED, AND EXTERNAL SURFACES DO NOT CONTAIN HAZARDOUS SUBSTANCES;
8. PAVEMENT WASH WATERS, PROVIDED SPILLS OR LEAKS OF TOXIC OR HAZARDOUS SUBSTANCES HAVE NOT OCCURRED (UNLESS ALL SPILL MATERIAL HAS BEEN REMOVED) AND WHERE SOAPS, SOLVENTS, AND DETERGENTS ARE NOT USED. DIRECTING PAVEMENT WASH WATERS INTO ANY SURFACE WATER, STORM DRAIN INLET, OR STORMWATER CONVEYANCE IS PROHIBITED, UNLESS THE CONVEYANCE IS CONNECTED TO A SEDIMENT BASIN, SEDIMENT TRAP, OR SIMILARLY EFFECTIVE CONTROL FOR THE POLLUTANTS PRESENT. PER 2.2.19.B, HOISING OF ACCUMULATED SEDIMENTS ON PAVEMENT INTO ANY STORMWATER CONVEYANCE IS PROHIBITED;
9. UNCONTAMINATED AIR CONDITIONING OR COMPRESSOR CONDENSATE;
10. UNCONTAMINATED, NON-TURBID DISCHARGES OF GROUNDWATER OR SPRING WATER;
11. FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS SUCH AS SOLVENTS OR CONTAMINATED GROUNDWATER; AND
12. CONSTRUCTION DEWATERING ACTIVITIES (INCLUDING GROUNDWATER DEWATERING AND WELL DRILLING DISCHARGE ASSOCIATED WITH THE REGISTERED CONSTRUCTION ACTIVITY), PROVIDED THAT:
 - A. THE WATER IS LAND APPLIED IN A WAY THAT RESULTS IN COMPLETE INFILTRATION WITH NO POTENTIAL TO DISCHARGE TO A SURFACE WATER OF THE STATE, OR THE USE OF A SANITARY OR COMBINED SEWER DISCHARGE IS AUTHORIZED WITH LOCAL SEWER DISTRICT APPROVAL; OR
 - B. BEST MANAGEMENT PRACTICES AND A TREATMENT SYSTEM APPROVED BY DEQ OR AGENT (SEE SECTION 1.2.9) ARE USED TO ENSURE COMPLIANCE WITH DISCHARGE AND WATER QUALITY REQUIREMENTS IN SECTION 2.4.

SPILL PREVENTION PROCEDURES:

1. DISCHARGES OF TOXIC OR HAZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE ARE PROHIBITED. WHERE A LEAK, SPILL, OR OTHER RELEASE CONTAINING HAZARDOUS SUBSTANCE OR OIL OCCURS DURING A 24-HOUR PERIOD, THE REGISTRANT MUST NOTIFY THE OREGON EMERGENCY RESPONSE SYSTEM AT (800) 425-0311 AS SOON AS THE REGISTRANT HAS KNOWLEDGE OF THE RELEASE. CONTACT INFORMATION MUST BE IN LOCATIONS THAT ARE READILY ACCESSIBLE AND AVAILABLE TO ALL EMPLOYEES.
2. REFERENCE THE SPILL PREVENTION CONTROL AND COUNTERMEASURE (SPCC) PLANS DEVELOPED FOR ALL CONSTRUCTION ACTIVITIES ON SITE. PROVIDE A COPY ON SITE AT ALL TIMES.
3. WASTE MANAGEMENT ON-SITE SHALL MEET THE FOLLOWING CONDITIONS:
 - A. LOCATE ACTIVITIES AWAY FROM WATERS OF THE STATE AND STORMWATER INLETS OR CONVEYANCES SO THAT STORMWATER COMING INTO CONTACT WITH THESE ACTIVITIES CANNOT REACH WATERS OF THE STATE;
 - B. ENSURE ADEQUATE SUPPLIES ARE AVAILABLE AT ALL TIMES TO HANDLE SPILLS, LEAKS, AND DISPOSAL OF LIQUIDS, AND PROVIDE SECONDARY CONTAINMENT (E.G. SPILL BERMS, DECKS, SPILL CONTAINMENT PALLETS);
 - C. HAVE A SPILL KIT AVAILABLE ON SITE AND ENSURE PERSONNEL ARE AVAILABLE TO RESPOND EXPEDITIOUSLY IN THE EVENT OF A LEAK OR SPILL;
 - D. CLEAN UP SPILLS OR CONTAMINATED SURFACES IMMEDIATELY USING DRY CLEAN UP MEASURES (DO NOT CLEAN CONTAMINATED SURFACES BY HOISING THE AREA DOWN), AND ELIMINATE THE SOURCE OF THE SPILL TO PREVENT A DISCHARGE OR A CONTINUATION OF AN ONGOING DISCHARGE; AND
 - E. STORE MATERIALS IN A COVERED AREA (E.G., PLASTIC SHEETING, TEMPORARY ROOFS), OR IN SECONDARY CONTAINMENT TO PREVENT THE EXPOSURE OF THESE CONTAINERS TO PRECIPITATION OR STORMWATER RUNOFF, OR A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS FROM THESE AREAS.
 - F. MINIMIZE MATERIAL EXPOSURE IN CASES WHERE THE EXPOSURE TO PRECIPITATION OR TO STORMWATER WILL RESULT IN A DISCHARGE OF POLLUTANTS (E.G. ELEVATE MATERIALS FROM SOIL TO PREVENT LEACHING OF POLLUTANTS).
4. FERTILIZERS MAY BE USED TO ESTABLISH VEGETATION IN LOCATIONS SHOWN ON SHEET EC1.4 SUCH THAT FERTILIZERS ARE INSTALLED PER PROJECT SPECIFICATIONS. SEE LANDSCAPE PLANS/SPECIFICATIONS FOR MORE INFORMATION.

INSPECTION FREQUENCY:

| INSPECTION FREQUENCY | |
|--|--|
| SITE CONDITION | MINIMUM FREQUENCY |
| 1. ACTIVE PERIOD | ON INITIAL DATE THAT LAND DISTURBANCE ACTIVITIES COMMENCE. WITHIN 24 HOURS OF ANY STORM EVENT, INCLUDING RUNOFF FROM SNOW MELT, THAT RESULTS IN DISCHARGE FROM THE SITE. AT LEAST ONCE EVERY 14 DAYS, REGARDLESS OF WHETHER STORMWATER RUNOFF IS OCCURRING |
| 2. INACTIVE PERIODS GREATER THAN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. | THE INSPECTOR MAY REDUCE THE FREQUENCY OF INSPECTIONS IN ANY AREA OF THE SITE WHERE THE STABILIZATION STEPS IN SECTION 2.2.20 HAVE BEEN COMPLETED TO TWICE PER MONTH FOR THE FIRST MONTH, NO LESS THAN 14 CALENDAR DAYS APART, THEN ONCE PER MONTH. |
| 3. PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WEATHER | IF SAFE, ACCESSIBLE AND PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT DISCHARGE POINT OR DOWNSTREAM LOCATION OF THE RECEIVING WATERBODY. |
| 4. PERIODS DURING WHICH CONSTRUCTION ACTIVITIES ARE SUSPENDED AND RUNOFF IS UNLIKELY DUE TO FROZEN CONDITIONS. | VISUAL MONITORING INSPECTIONS MAY BE TEMPORARILY SUSPENDED. IMMEDIATELY RESUME MONITORING UPON THAWING, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY. |
| 5. PERIODS DURING WHICH CONSTRUCTION ACTIVITIES ARE CONDUCTED AND RUNOFF IS UNLIKELY DURING FROZEN CONDITIONS. | VISUAL MONITORING INSPECTIONS MAY BE REDUCED TO ONCE A MONTH. IMMEDIATELY RESUME MONITORING UPON THAWING, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY. |

- HOLD A PRE-CON MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE EC INSPECTOR.
- ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200C PERMIT REQUIREMENTS.
- INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ 1200C PERMIT REQUIREMENTS.
- CHANGES TO THE APPROVED ESC PLAN MUST BE SUBMITTED TO DEQ IN THE FORM OF AN ACTION PLAN.



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ROAD EXTENSION & PARKING LOT F
CLACKAMAS COUNTY, OR
1000 COURTHOUSE ROAD
OREGON CITY, OR 97045

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11/21/2023 REVISIONS

74-23103-00

ESCP - GENERAL NOTES

C-112

CONCRETE WASH GENERAL NOTES:

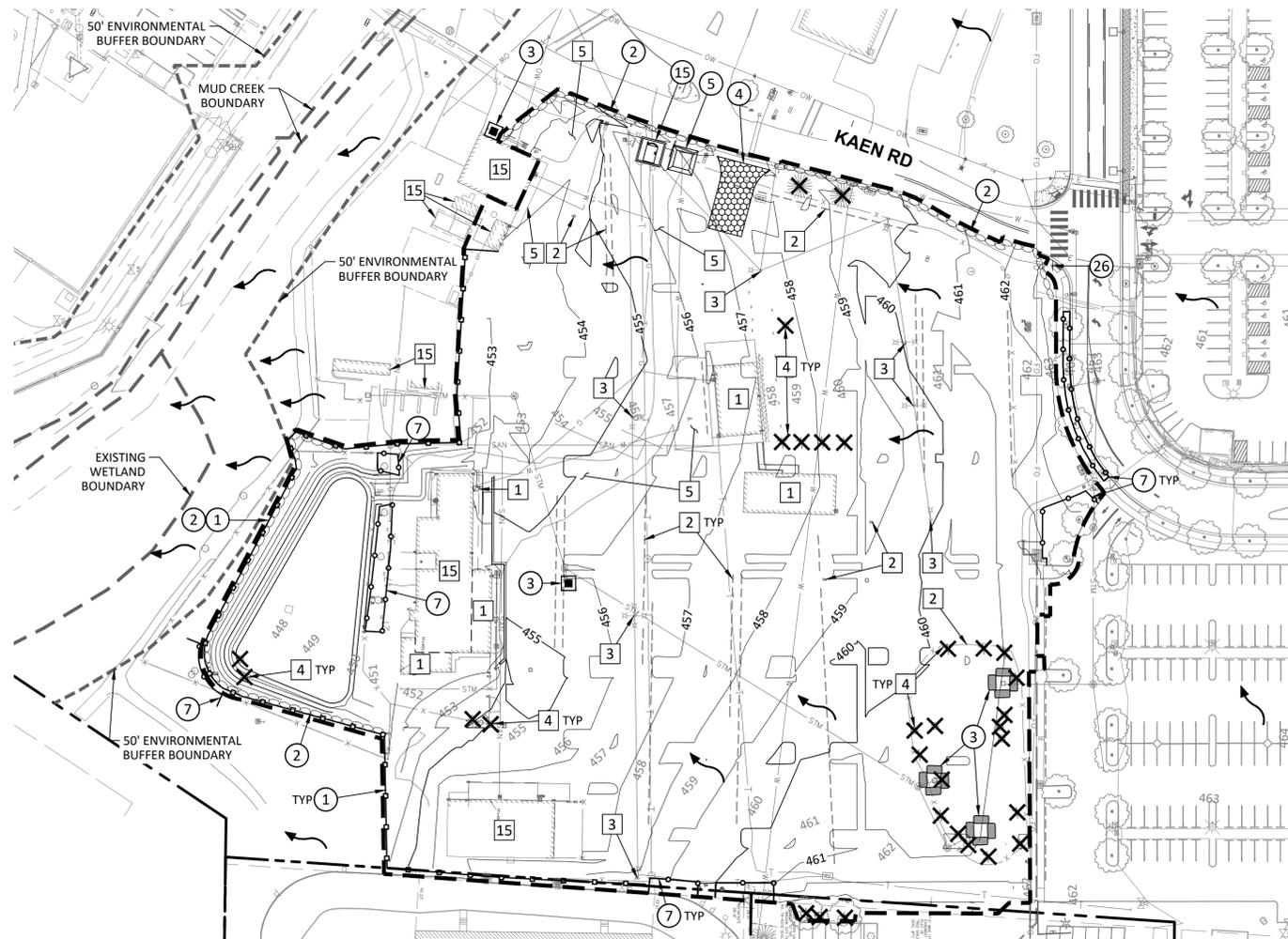
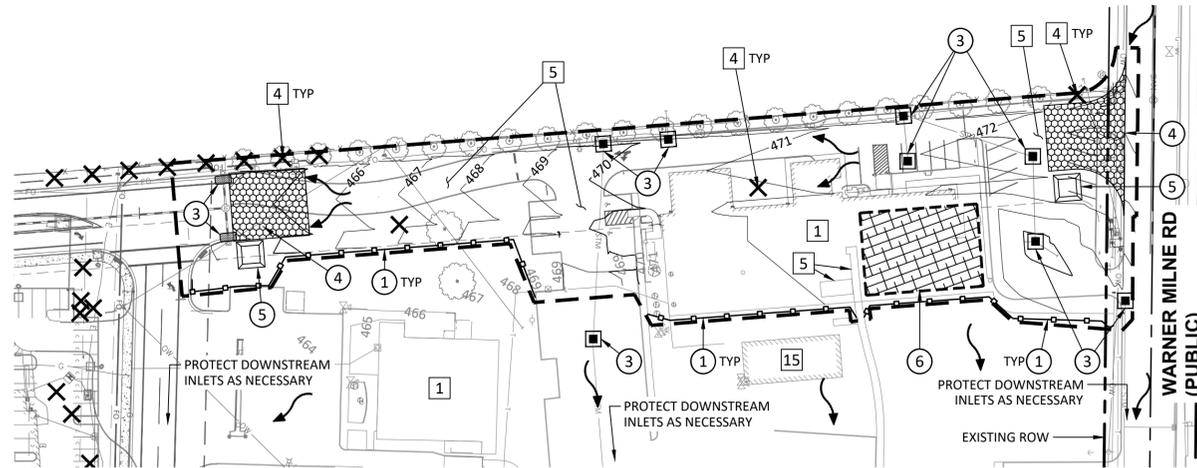
- WASH CONCRETE TRUCKS AND EQUIPMENT IN AN APPROPRIATELY PROTECTED AREA OR IN DESIGNATED CONCRETE WASHOUT AREAS ONLY.
- DIRECT ALL CONCRETE WASH WATER INTO AN IMPERMEABLE-LINED PIT OR LEAK-PROOF CONTAINER DESIGNED SO THAT OVERFLOWS WILL NOT OCCUR DUE TO INADEQUATE SIZING OR PRECIPITATION.
- LOCATE ACTIVITIES AWAY FROM WATERS OF THE STATE AND STORMWATER INLETS OR CONVEYANCES SO THAT STORMWATER COMING INTO CONTACT WITH THESE ACTIVITIES CANNOT REACH WATERS OF THE STATE.
- CONCRETE WASH MAY NOT ADVERSELY AFFECT GROUNDWATER.
- CONCRETE WASHOUT AND WASTE CONCRETE MANAGEMENT AREAS MUST BE MAINTAINED AND FUNCTIONAL.
- HANDLE (E.G. THROUGH DISPOSAL, REUSE OR RECYCLE) WASH WATER AS WASTE. DO NOT DISPOSE OF CONCRETE WASH WATER OR WASH OUT CONCRETE TRUCKS ONTO THE GROUND, OR INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS.
- NOT DUMP EXCESS CONCRETE ON SITE, EXCEPT IN DESIGNATED CONCRETE WASHOUT AREAS.
- HANDLE (E.G. THROUGH DISPOSAL, REUSE OR RECYCLE) HARDENED CONCRETE WASTE CONSISTENT WITH HANDLING OF OTHER CONSTRUCTION WASTES.
- CONCRETE SPILLAGE OR CONCRETE DISCHARGE TO SURFACE WATERS OF THE STATE IS PROHIBITED.

PRE-CONSTRUCTION, CLEARING, AND DEMOLITION NOTES:

- ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, GRAVEL CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- SEDIMENT BARRIERS APPROVED FOR USE INCLUDE SEDIMENT FENCE, BERMS CONSTRUCTED OUT OF MULCH, CHIPPINGS, OR OTHER SUITABLE MATERIAL, STRAW WATTLES, OR OTHER APPROVED MATERIALS.
- SENSITIVE RESOURCES INCLUDING, BUT NOT LIMITED TO, TREES, WETLANDS, AND RIPARIAN PROTECTION AREAS SHALL BE CLEARLY DELINEATED WITH ORANGE CONSTRUCTION FENCING OR CHAIN LINK FENCING IN A MANNER THAT IS CLEARLY VISIBLE TO ANYONE IN THE AREA. NO ACTIVITIES ARE PERMITTED TO OCCUR BEYOND THE CONSTRUCTION BARRIER.
- CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, STREET SWEEPING AND VACUUMING, MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- RUN-ON AND RUN-OFF CONTROLS SHALL BE IN PLACE AND FUNCTIONING PRIOR TO BEGINNING SUBSTANTIAL CONSTRUCTION ACTIVITIES. RUN-ON AND RUN-OFF CONTROL MEASURES INCLUDE: SLOPE DRAINS (OUTLET PROTECTION), CHECK DAMS, SURFACE ROUGHENING, AND BANK STABILIZATION.

GRADING, STREET AND UTILITY EROSION AND SEDIMENT CONSTRUCTION NOTES:

- SEED USED FOR TEMPORARY OR PERMANENT SEEDING SHALL BE COMPOSED OF ONE OF THE FOLLOWING MIXTURES, UNLESS OTHERWISE AUTHORIZED:
 - VEGETATED CORRIDOR AREAS REQUIRE NATIVE SEED MIXES. SEE RESTORATION PLAN FOR APPROPRIATE SEED MIX.
 - DWARF GRASS MIX (MIN. 100 LB./AC.)
 - DWARF PERENNIAL RYEGRASS (80% BY WEIGHT)
 - CREeping RED FESCUE (20% BY WEIGHT)
 - STANDARD HEIGHT GRASS MIX (MIN. 100LB./AC.)
 - ANNUAL RYEGRASS (40% BY WEIGHT)
 - TURF-TYPE FESCUE (60% BY WEIGHT)
- SLOPE TO RECEIVE TEMPORARY OR PERMANENT SEEDING SHALL HAVE THE SURFACE ROUGHENED BY MEANS OF TRACK-WALKING OR THE USE OF OTHER APPROVED IMPLEMENTS. SURFACE ROUGHENING IMPROVES SEED BEDDING AND REDUCES RUN-OFF VELOCITY.
- LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING WITH APPROVED MIX AND APPLICATION RATE.
- TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE: COVERING EXPOSED SOIL WITH PLASTIC SHEETING, STRAW MULCHING, WOOD CHIPS, OR OTHER APPROVED MEASURES.
- STOCKPILED SOIL OR STRIPPINGS SHALL BE PLACED IN A STABLE LOCATION AND CONFIGURATION. DURING "WET WEATHER" PERIODS, STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING OR STRAW MULCH. SEDIMENT FENCE IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.
- EXPOSED CUT OR FILL AREAS SHALL BE STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS OR MATS, MID-SLOPE SEDIMENT FENCES OR WATTLES, OR OTHER APPROPRIATE MEASURES. SLOPES EXCEEDING 25% MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES.
- AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER, PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED MEASURES.
- CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, TIRE WASHES, STREET SWEEPING, AND VACUUMING MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- ACTIVE INLETS TO STORM WATER SYSTEMS SHALL BE PROTECTED THROUGH THE USE OF APPROVED INLET PROTECTION MEASURES. ALL INLET PROTECTION MEASURES ARE TO BE REGULARLY INSPECTED AND MAINTAINED AS NEEDED.
- SATURATED MATERIALS THAT ARE HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF SEDIMENT AND SEDIMENT-LADEN WATER.
- AN AREA SHALL BE PROVIDED FOR THE WASHING OUT OF CONCRETE TRUCKS IN A LOCATION THAT DOES NOT PROVIDE RUN-OFF THAT CAN ENTER THE STORM WATER SYSTEM. IF THE CONCRETE WASH-OUT AREA CAN NOT BE CONSTRUCTED GREATER THAN 50' FROM ANY DISCHARGE POINT, SECONDARY MEASURES SUCH AS BERMS OR TEMPORARY SETTLING PITS MAY BE REQUIRED. THE WASH-OUT SHALL BE LOCATED WITHIN SIX FEET OF TRUCK ACCESS AND BE CLEANED WHEN IT REACHES 50% OF THE CAPACITY.
- SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE TRANSFERRED TO THE STORM WATER SYSTEM. SWEEPINGS SHALL BE PICKED UP AND DISPOSED IN THE TRASH.
- USE BMPS SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.



GENERAL ESC NOTES

- BMP'S SHOWN ARE THE MINIMUM REQUIRED. ADDITIONAL MEASURES MAY BE NECESSARY DURING CONSTRUCTION AS FIELD CONDITIONS DICTATE IN ACCORDANCE WITH CITY AND DEQ PERMIT REQUIREMENTS.
- ALL PROPOSED SLOPE GRADING SHALL CONFORM TO I.B.C. REQUIREMENTS FOR BENCHING AND GRADING.
- ALL DISTURBED SOIL AREAS NOT SHOWN ON LANDSCAPE PLAN SHALL BE COVERED IN PLASTIC OR SEEDED.
- PROTECT ALL VEGETATION UNLESS OTHERWISE SHOWN OR DIRECTED.

EROSION CONTROL KEYNOTES:

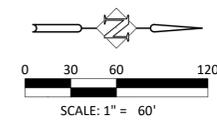
- INSTALL SEDIMENT FENCE PER DETAIL ON SHEET C-123.
- INSTALL WATTLES PER DETAIL ON SHEET C-123.
- INSTALL INLET PROTECTION. INSTALL TYPE 4 INLET PROTECTION (BIO-FILTER BAGS) ON CURB INLETS AND TYPE 5 INLET PROTECTION (INLET SACKS) ON CATCH BASINS AND BEEHIVES. REFER TO LEGEND THIS SHEET AND DETAILS ON SHEET C-122.
- CONSTRUCT GRAVEL CONSTRUCTION ENTRANCE PER DETAIL ON SHEET C-122. INSTALL AT THE BEGINNING OF CONSTRUCTION AND MAINTAIN UNTIL FINAL PAVING IS COMPLETED. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, STREET SWEEPING AND VACUUMING MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- INSTALL CONCRETE TRUCK WASHOUT BASIN, ECO-PAN OR APPROVED EQUAL, PER DETAIL ON SHEET C-124. CONTRACTOR TO LOCATE ON-SITE.
- APPROXIMATE LOCATION FOR SOIL STOCKPILE AREA, CONTRACTOR TO LOCATE ON SITE. COVER STOCKPILE PER PLASTIC SHEETING DETAIL ON SHEET C-124.
- INSTALL 6' TALL CHAIN LINK TREE PROTECTION FENCING.
- APPROXIMATE LOCATION FOR PORTA-POTTY. CONTRACTOR TO LOCATE ON-SITE.
- PROPOSED PROJECT INFORMATION SIGN INCLUDING (1) OREGON CITY PERMIT NUMBER OR IDENTIFICATION, (2) NAME AND PHONE NUMBER OF THE PERMIT HOLDER, (3) NAME, PHONE NUMBER, CELL PHONE NUMBER, FAX NUMBER AND EMAIL ADDRESS OF THE SITE STEWARD RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL THROUGHOUT THE PROJECT DURATION.

DEMOLITION KEYNOTES:

- EXISTING BUILDING TO BE REMOVED (BY OTHERS). REMOVE CONNECTED CONCRETE, UTILITIES, AND OTHER BUILDING RELATED FIXTURES.
- REMOVE EXISTING SITE FEATURE. REFER TO SHEETS L001 THROUGH L003 FOR MORE INFORMATION.
- REMOVE EXISTING SITE LIGHT AND ASSOCIATED OVERHEAD LINES. REFER TO SHEETS L001 THROUGH L003 FOR MORE INFORMATION.
- REMOVE EXISTING TREE/VEGETATION. REFER TO SHEETS L001 THROUGH L003 FOR MORE INFORMATION.
- REMOVE EXISTING HARDSCAPE SURFACING. REFER TO SHEETS L001 THROUGH L003 FOR MORE INFORMATION.
- EXISTING BUILDING TO REMAIN. REFER TO SHEETS L001 THROUGH L003 FOR MORE INFORMATION.

LEGEND:

| | |
|---|-------------|
| EXISTING GROUND CONTOUR MAJOR / MINOR | --- 410 --- |
| PROPOSED CONTOUR (5') | — 410 — |
| PROPOSED CONTOUR (1') | — 411 — |
| SEDIMENT FENCE | —●—●—●—●— |
| WATTLES | —○—○—○—○— |
| CONSTRUCTION ENTRANCE | ▢ |
| PLASTIC SHEETING | ▧ |
| INLET PROTECTION (SEE PLAN FOR TYPE) | ■ |
| FLOW ARROW | → |
| CONCRETE WASH | □ |
| PORT-A-POTTY | ⌂ |
| TREE PROTECTION FENCING (SEE LANDSCAPE PLANS) | —○—○—○—○— |
| EXISTING TREE/SHRUB TO BE REMOVED | ✕ |
| LIMITS OF DISTURBANCE | --- --- |



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REGISTERED PROFESSIONAL ENGINEER
 NO. 72,311
PRELIMINARY
 OREGON
 NOV. 12, 2022
 KIMBERLY ANN SHEPPA
 EXPIRES: 06/30/2024

CLACKAMAS COUNTY COURTHOUSE LOOP
 ROAD EXTENSION & PARKING LOT F
 CLACKAMAS COUNTY, OR
 1000 COURTHOUSE ROAD
 OREGON CITY, OR 97045

100% CD / PERMIT SET
 11/21/2023 REVISIONS

74-23103-00
 ESCP - EXISTING CONDITIONS, DEMO, CLEARING, GRADING, EXCAVATION, & LAND DEVELOPMENT PLAN

C-119

CONCRETE WASH GENERAL NOTES:

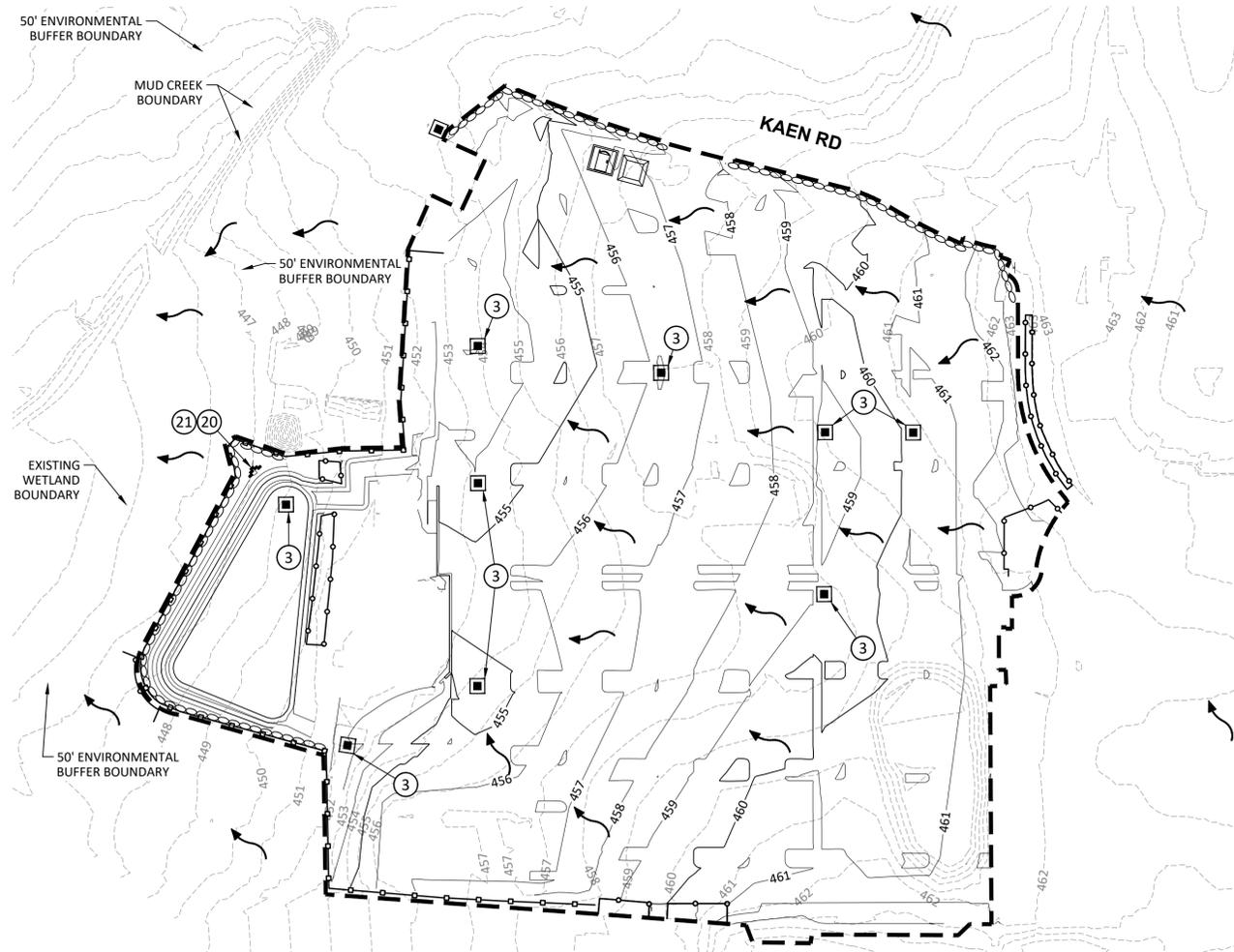
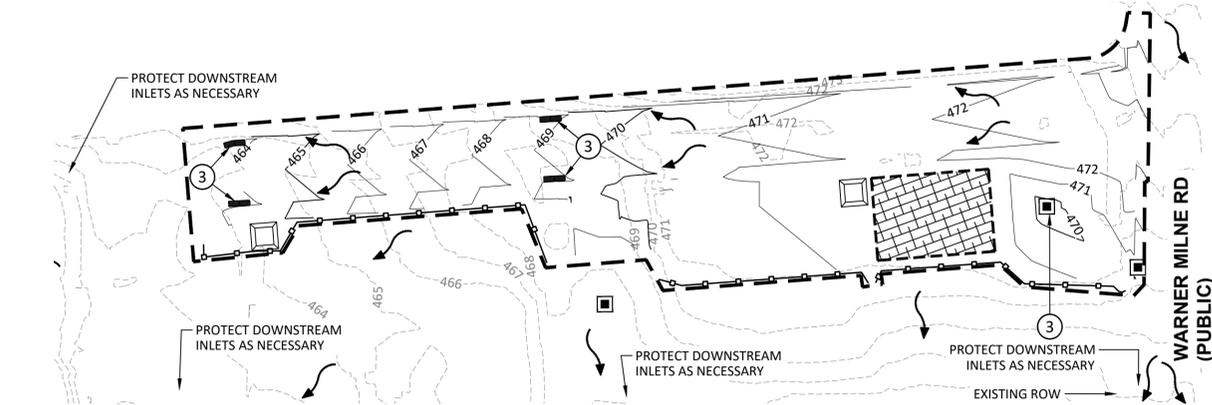
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2. DIRECT ALL CONCRETE WASH WATER INTO AN IMPERMEABLE-LINED PIT OR LEAK-PROOF CONTAINER DESIGNED SO THAT OVERFLOWS WILL NOT OCCUR DUE TO INADEQUATE SIZING OR PRECIPITATION.
3. LOCATE ACTIVITIES AWAY FROM WATERS OF THE STATE AND STORMWATER INLETS OR CONVEYANCES SO THAT STORMWATER COMING INTO CONTACT WITH THESE ACTIVITIES CANNOT REACH WATERS OF THE STATE.
4. CONCRETE WASH MAY NOT ADVERSELY AFFECT GROUNDWATER.
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7. NOT DUMP EXCESS CONCRETE ON SITE, EXCEPT IN DESIGNATED CONCRETE WASHOUT AREAS.
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9. CONCRETE SPILLAGE OR CONCRETE DISCHARGE TO SURFACE WATERS OF THE STATE IS PROHIBITED.

GENERAL ESC NOTES:

1. BMP'S SHOWN ARE THE MINIMUM REQUIRED. ADDITIONAL MEASURES MAY BE NECESSARY DURING CONSTRUCTION AS FIELD CONDITIONS DICTATE IN ACCORDANCE WITH CITY AND DEQ PERMIT REQUIREMENTS.
2. ALL PROPOSED SLOPE GRADING SHALL CONFORM TO I.B.C. REQUIREMENTS FOR BENCHING AND GRADING.

GRADING, STREET AND UTILITY EROSION AND SEDIMENT CONSTRUCTION NOTES:

1. SEED USED FOR TEMPORARY OR PERMANENT SEEDING SHALL BE COMPOSED OF ONE OF THE FOLLOWING MIXTURES, UNLESS OTHERWISE AUTHORIZED:
 - A. VEGETATED CORRIDOR AREAS REQUIRE NATIVE SEED MIXES. SEE RESTORATION PLAN FOR APPROPRIATE SEED MIX.
 - B. DWARF GRASS MIX (MIN. 100 LB./AC.)
 1. DWARF PERENNIAL RYEGRASS (80% BY WEIGHT)
 2. CREEPING RED FESCUE (20% BY WEIGHT)
 - C. STANDARD HEIGHT GRASS MIX (MIN. 100LB./AC.)
 1. ANNUAL RYEGRASS (40% BY WEIGHT)
 2. TURF-TYPE FESCUE (60% BY WEIGHT)
2. SLOPE TO RECEIVE TEMPORARY OR PERMANENT SEEDING SHALL HAVE THE SURFACE ROUGHENED BY MEANS OF TRACK-WALKING OR THE USE OF OTHER APPROVED IMPLEMENTS. SURFACE ROUGHENING IMPROVES SEED BEDDING AND REDUCES RUN-OFF VELOCITY.
3. LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING WITH APPROVED MIX AND APPLICATION RATE.
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5. STOCKPILED SOIL OR STRIPPINGS SHALL BE PLACED IN A STABLE LOCATION AND CONFIGURATION. DURING "WET WEATHER" PERIODS, STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING OR STRAW MULCH. SEDIMENT FENCE IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.
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10. SATURATED MATERIALS THAT ARE HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF SEDIMENT AND SEDIMENT-LADEN WATER.
11. AN AREA SHALL BE PROVIDED FOR THE WASHING OUT OF CONCRETE TRUCKS IN A LOCATION THAT DOES NOT PROVIDE RUN-OFF THAT CAN ENTER THE STORM WATER SYSTEM. IF THE CONCRETE WASH-OUT AREA CAN NOT BE CONSTRUCTED GREATER THAN 50' FROM ANY DISCHARGE POINT, SECONDARY MEASURES SUCH AS BERMS OR TEMPORARY SETTLING PITS MAY BE REQUIRED. THE WASH-OUT SHALL BE LOCATED WITHIN SIX FEET OF TRUCK ACCESS AND BE CLEANED WHEN IT REACHES 50% OF THE CAPACITY.
12. SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE TRANSFERRED TO THE STORM WATER SYSTEM. SWEEPINGS SHALL BE PICKED UP AND DISPOSED IN THE TRASH.
13. USE BMP'S SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.



GENERAL ESC NOTES

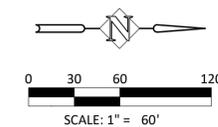
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3. ALL DISTURBED SOIL AREAS NOT SHOWN ON LANDSCAPE PLAN SHALL BE COVERED IN PLASTIC OR SEEDED.
4. PROTECT ALL VEGETATION UNLESS OTHERWISE SHOWN OR DIRECTED.

EROSION CONTROL KEYNOTES:

2. INSTALL WATTLES PER DETAIL ON SHEET C-123.
3. INSTALL INLET PROTECTION. INSTALL TYPE 4 INLET PROTECTION (BIO-FILTER BAGS) ON CURB INLETS AND TYPE 5 INLET PROTECTION (INLET SACKS) ON CATCH BASINS AND BEEHIVES. REFER TO LEGEND THIS SHEET AND DETAILS ON SHEET C-122.
20. PROPOSED STORM OUTFALL LOCATION. UPON COMPLETION OF PIPE CONSTRUCTION, INSTALL PERMANENT RIP RAP PER OREGON CITY STD. DRG. NO. 632 ON SHEET C-163. SEE SHEET C-164 FOR ADDITIONAL OUTFALL DETAILS.
21. INSTALL BIOFILTER BAGS PER OUTLET PROTECTION - RIP RAP DETAIL ON SHEET C-123.

LEGEND:

| | |
|---|----------------------|
| EXISTING GROUND CONTOUR MAJOR / MINOR | --- 410 --- |
| PROPOSED CONTOUR (5') | ----- 410 ----- |
| PROPOSED CONTOUR (1') | ----- 411 ----- |
| SEDIMENT FENCE | —●—●—●—●—●— |
| WATTLES | —○—○—○—○—○— |
| PROPOSED ASPHALT PAVING | [Grid Pattern] |
| PLASTIC SHEETING | [Diagonal Hatching] |
| INLET PROTECTION (SEE PLAN FOR TYPE) | [Square Symbols] |
| FLOW ARROW | → |
| CONCRETE WASH | [Square with X] |
| PORT-A-POTTY | [Rectangular Symbol] |
| TREE PROTECTION FENCING (SEE LANDSCAPE PLANS) | —○—○—○—○—○— |
| LIMITS OF DISTURBANCE | --- --- |
| PROPOSED STORM PIPES | --- --- |



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REGISTERED PROFESSIONAL ENGINEER
PRELIMINARY
 OREGON
 NOV. 12, 2007
 KIMBERLY ANN SHERPA
 EXPIRES: 06/30/2024

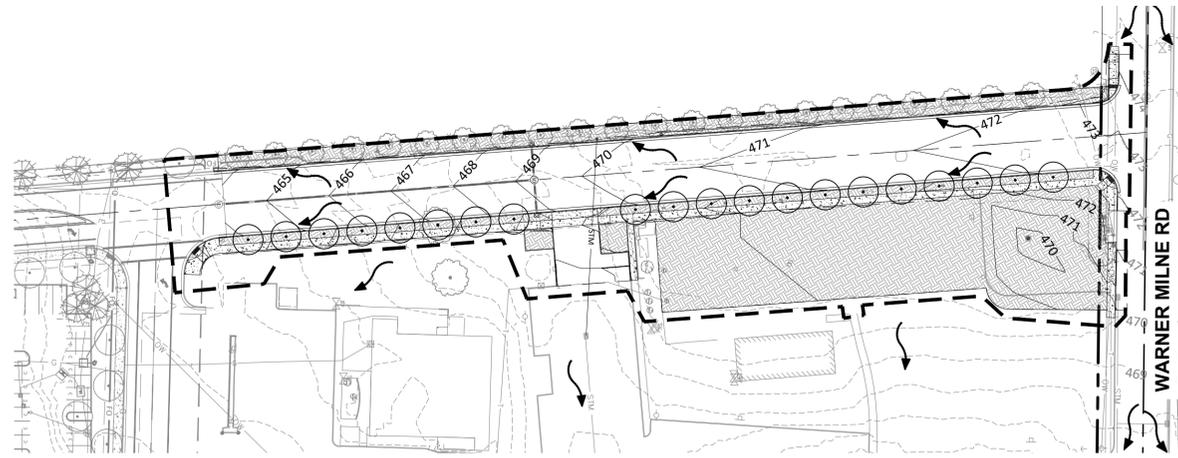
CLACKAMAS COUNTY COURTHOUSE LOOP
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 OREGON CITY, OR 97045

100% CD / PERMIT SET

11/21/2023 REVISIONS

74-23103-00
 ESCP - UTILITY, STREET & VERTICAL CONSTRUCTION PLAN

C-120

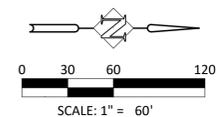
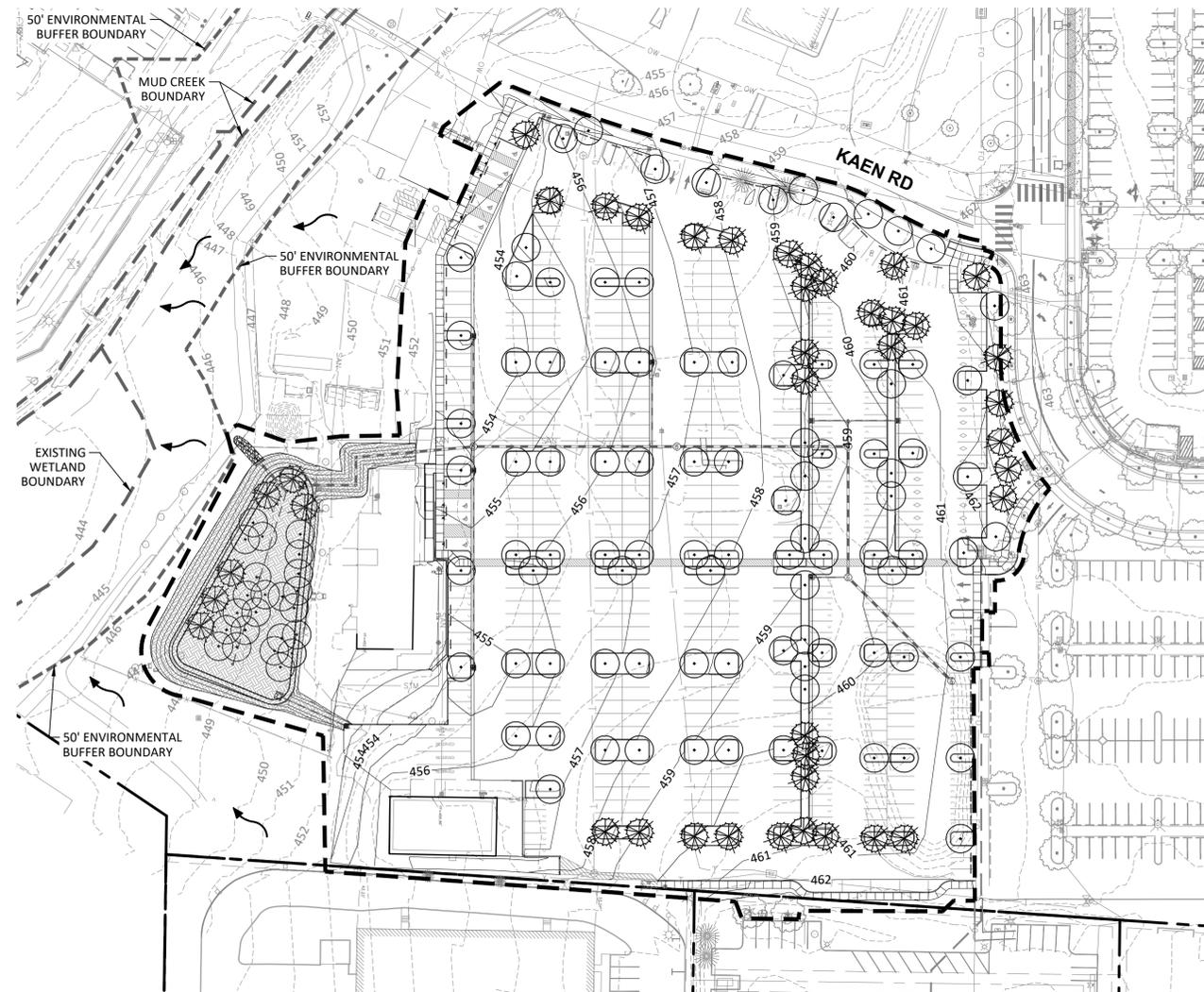


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1. BMP'S SHOWN ARE THE MINIMUM REQUIRED. ADDITIONAL MEASURES MAY BE NECESSARY DURING CONSTRUCTION AS FIELD CONDITIONS DICTATE IN ACCORDANCE WITH CITY AND DEQ PERMIT REQUIREMENTS.
2. ALL PROPOSED SLOPE GRADING SHALL CONFORM TO I.B.C. REQUIREMENTS FOR BENCHING AND GRADING.
3. ALL DISTURBED SOIL AREAS NOT SHOWN ON LANDSCAPE PLAN SHALL BE COVERED IN PLASTIC OR SEEDED.
4. PROTECT ALL VEGETATION UNLESS OTHERWISE SHOWN OR DIRECTED.
5. ALL PERIMETER SEDIMENT FENCING AND INLET PROTECTION TO BE REMOVED UPON COMPLETION OF FINAL LANDSCAPING/STABILIZATION.

LEGEND:

| | |
|---------------------------------------|-----------------|
| EXISTING GROUND CONTOUR MAJOR / MINOR | ----- 410 ----- |
| PROPOSED CONTOUR (5') | ----- 410 ----- |
| PROPOSED CONTOUR (1') | ----- 411 ----- |
| FLOW ARROW | → |
| LIMITS OF DISTURBANCE | ----- |
| PROPOSED STORM PIPES | ----- |
| PROPOSED FINAL LANDSCAPING | ▨ |



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 LANDSCAPE ARCHITECTS * SURVEYORS
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REGISTERED PROFESSIONAL ENGINEER
 NO. 72,311
PRELIMINARY
 OREGON
 NOV. 12, 2022
 KIMBERLY ANN SHERPA
 EXPIRES: 06/30/2024

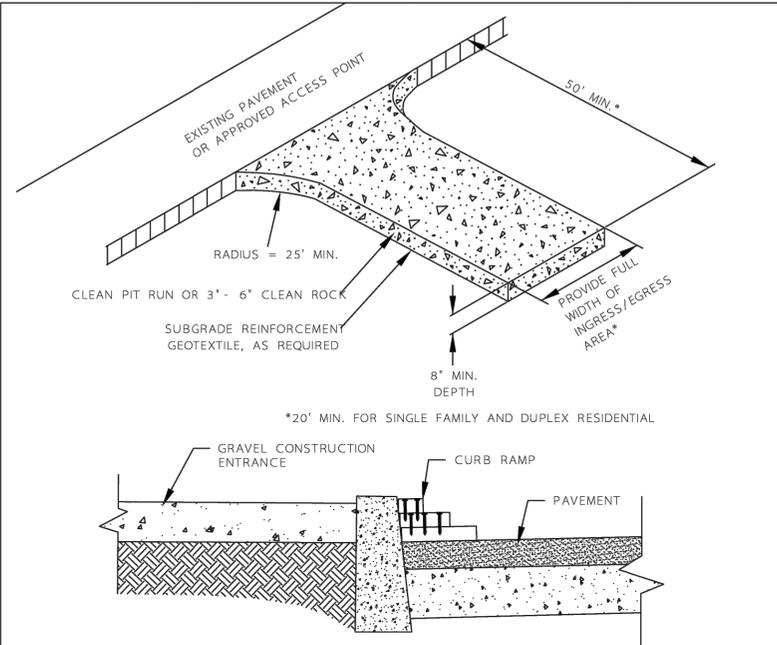
CLACKAMAS COUNTY COURTHOUSE LOOP
 ROAD EXTENSION & PARKING LOT F
 CLACKAMAS COUNTY, OR
 1000 COURTHOUSE ROAD
 OREGON CITY, OR 97045

100% CD / PERMIT SET

11/21/2023 REVISIONS

74-23103-00
 ESCP - FINAL LANDSCAPING & STABILIZATION PLAN

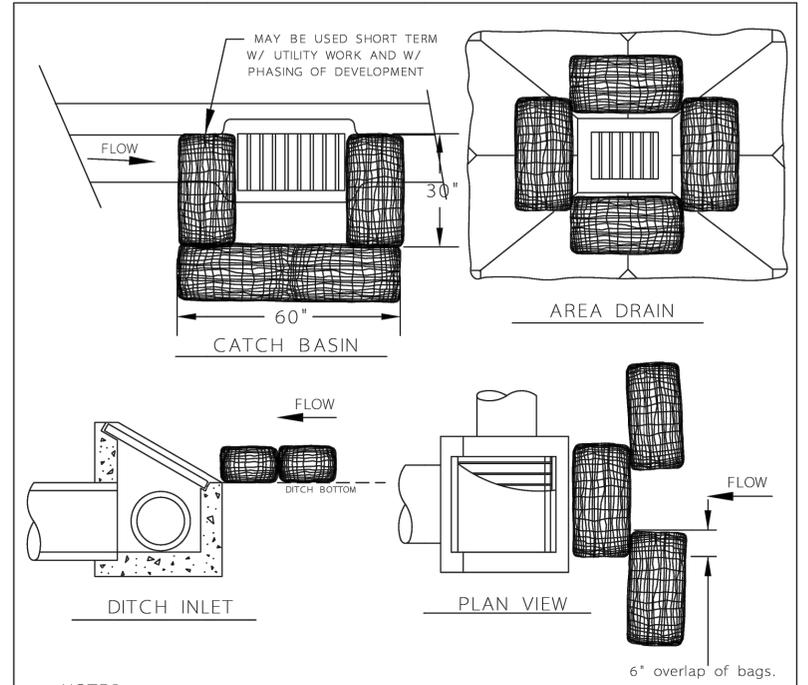
C-121



- NOTES:**
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
 4. WHERE RUNOFF CONTAINING SEDIMENT LADEN WATER IS LEAVING THE SITE VIA THE CONSTRUCTION ENTRANCE, OTHER MEASURES SHALL BE IMPLEMENTED TO DIVERT RUNOFF THROUGH AN APPROVED FILTERING SYSTEM.
 5. **DIMENSIONS**
SINGLE FAMILY
 20' LONG BY 20' WIDE 8" DEEP OF 3/4" MINUS CLEAN ROCK.
COMMERCIAL
 50' LONG BY 20' WIDE 3'-6" CLEAN ROCK.
 GOVERNING AUTHORITY MAY REQUIRE GEOTEXTILE FABRIC TO PREVENT SUB-SOIL PUMPING.

CONSTRUCTION ENTRANCE

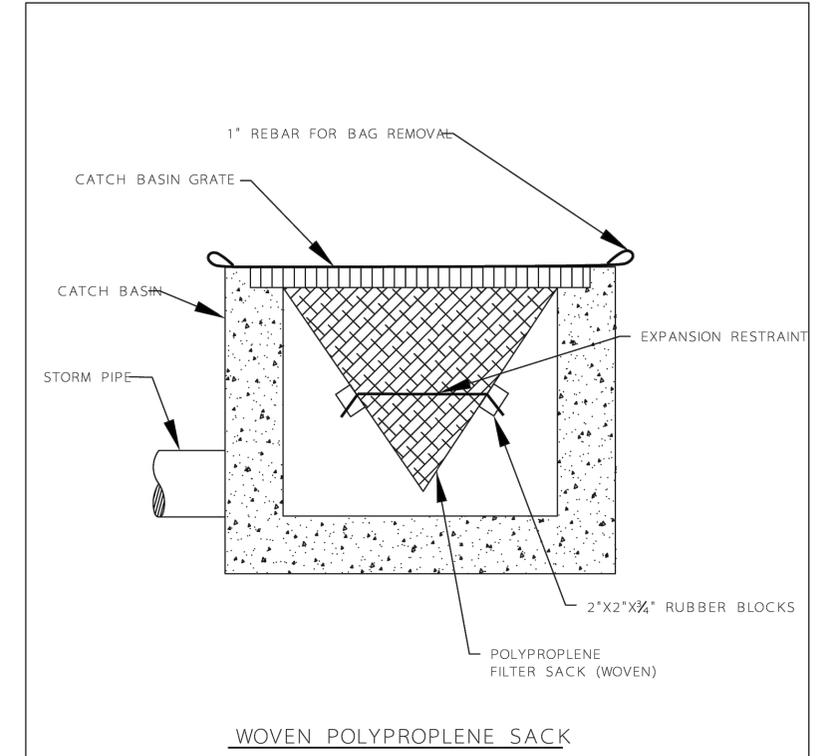
DETAIL DRAWING 4 - 13 REVISED 01 - 09



- NOTES:**
1. ADDITIONAL MEASURES MUST BE CONSIDERED DEPENDING ON SOIL TYPES.
 2. BIO-FILTER BAGS SHOULD BE STAKED WHERE APPLICABLE USING (2) 1"x2" WOODEN STAKES OR APPROVED EQUAL PER BAG.
 3. WHEN USING 30" BIO-BAGS TO PROTECT A CATCH BASIN YOU MUST HAVE 4 BAGS AND THEY SHALL BE OVERLAPPED BY 6".

INLET PROTECTION TYPE 4

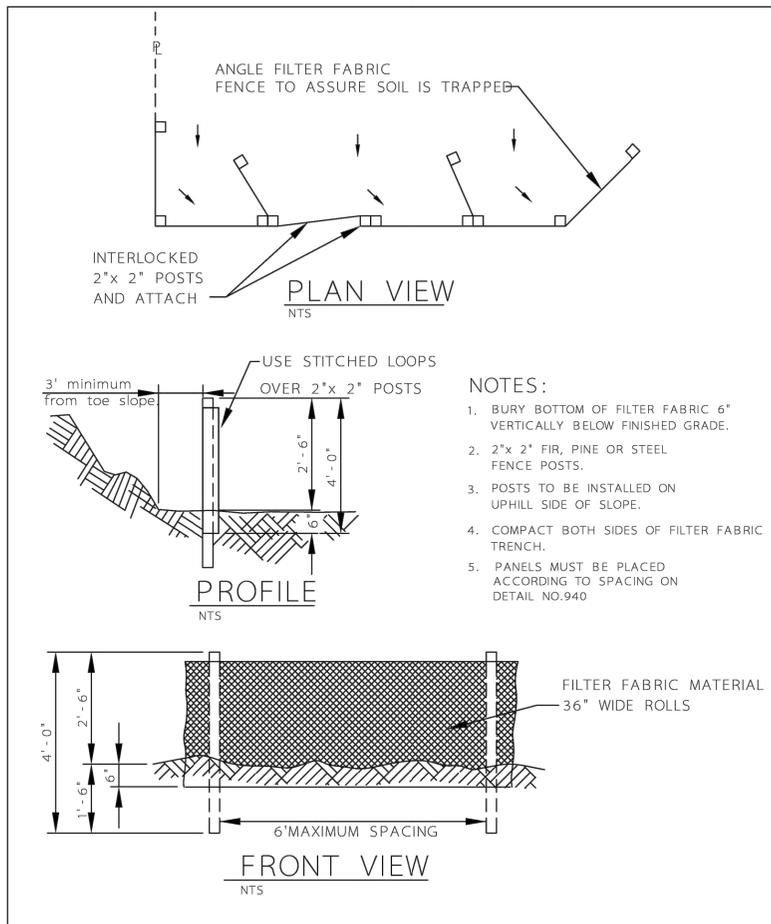
DETAIL DRAWING 4 - 18 REVISED 01 - 09



- NOTE:**
1. RECESSED CURB INLET CATCH BASINS MUST BE BLOCKED WHEN USING FILTER FABRIC INLET SACKS. SIZE OF FILTER FABRIC INLET SACKS TO BE DETERMINED BY MANUFACTURER.

INLET PROTECTION TYPE 5

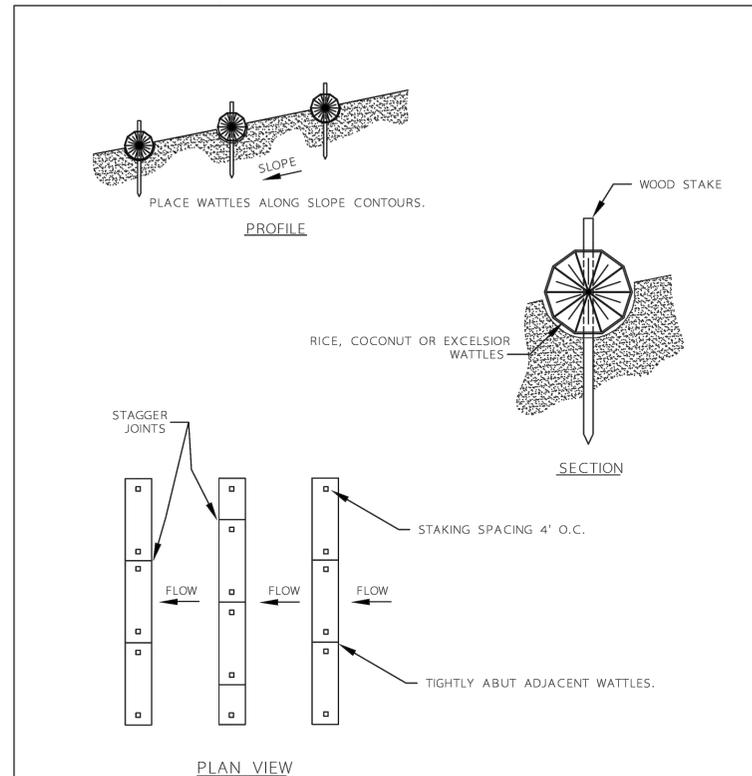
DETAIL DRAWING 4 - 19 REVISED 01 - 09



SEDIMENT FENCE

DETAIL DRAWING 4 - 23

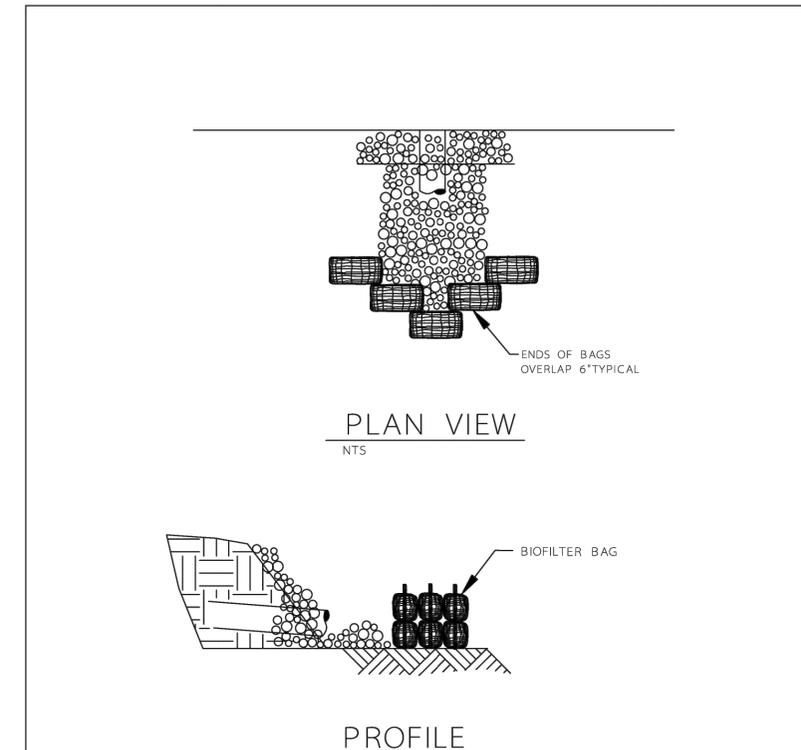
REVISED 01 - 09



WATTLES

DETAIL DRAWING 4 - 27

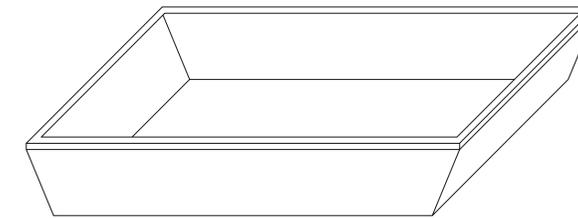
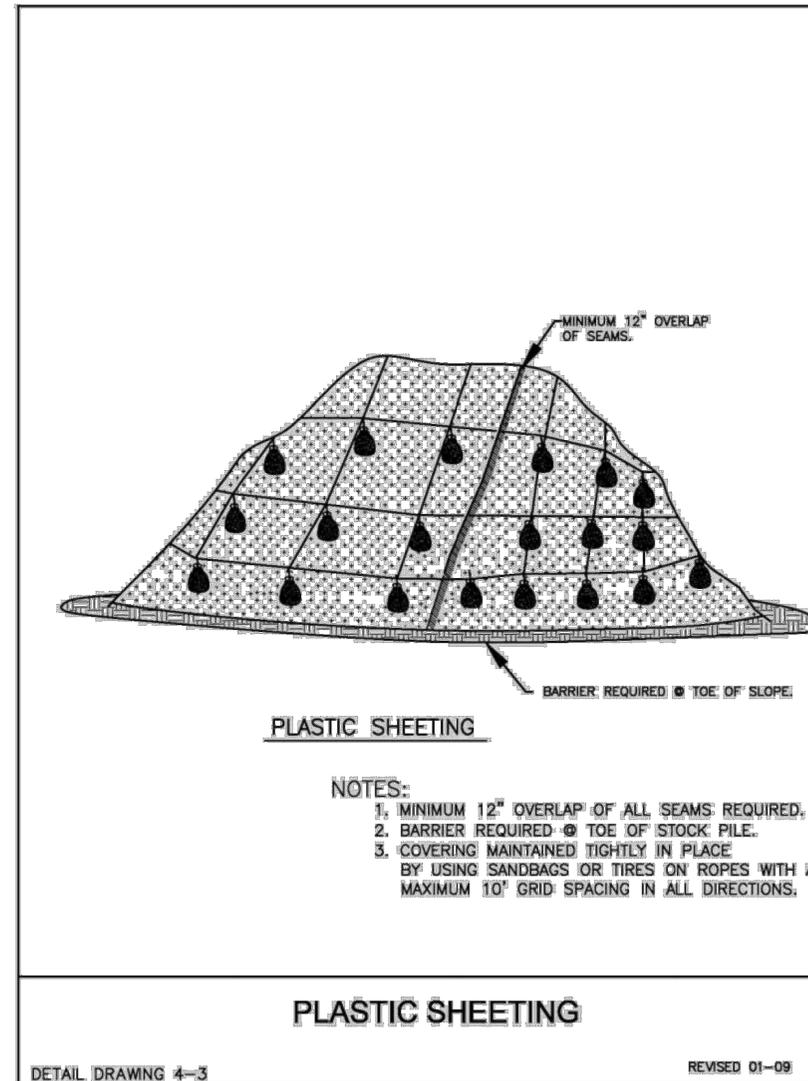
REVISED 01 - 09



OUTLET PROTECTION - RIP RAP

DETAIL DRAWING 4 - 7

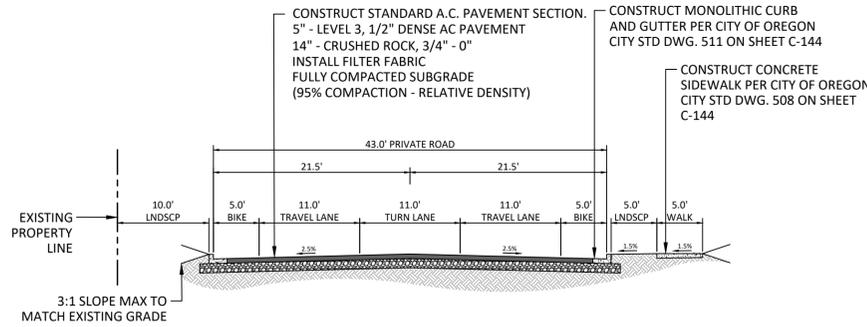
REVISED 01 - 09



NOTES:

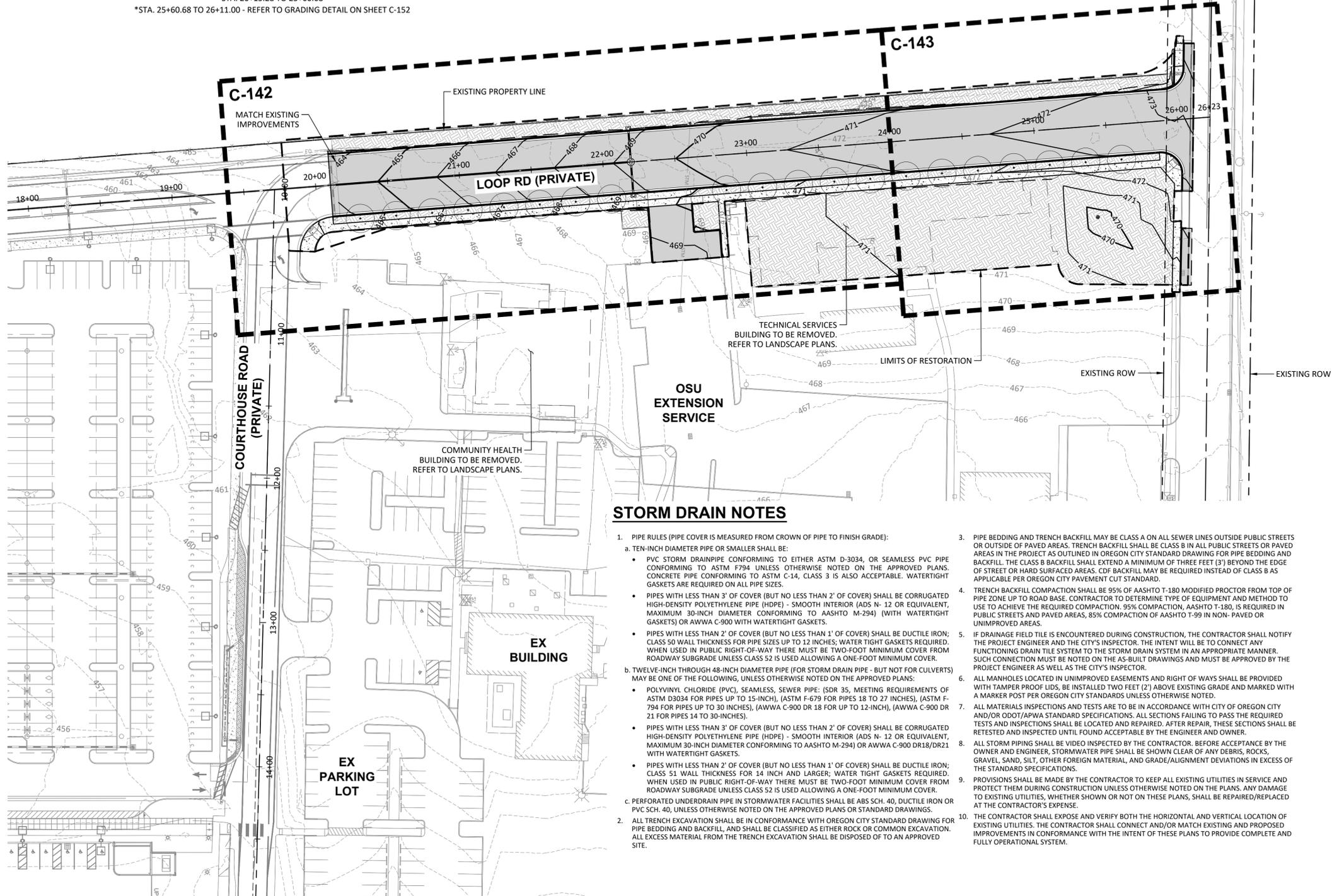
1. COLLECT AND RETAIN ALL THE CONCRETE WASHOUT WATER AND SOLIDS IN A LEAK PROOF BASIN.
2. INSPECT FREQUENTLY. DO NOT OVERFILL BASIN.
3. RECYCLE MATERIALS.
 - A. WASHWATER RECYCLING: WASHWATER SHOULD BE PASSED THROUGH A FILTER AND TREATMENT SYSTEM TO REMOVE SOLIDS REDUCE PH. WASHWATER MAY BE REUSED FOR CONCRETE WASHOUT WATER. DISPOSAL OF WASHWATER SHALL BE AT AN APPROVED DISPOSAL FACILITY. DO NOT DRAIN TO STORM OR SANITARY SYSTEM.
 - B. SOLIDS RECYCLING: COURSE AGGREGATE MATERIALS THAT ARE SEPARATED FROM WASHWATER MAY BE RETURN TO READY MIX PLANT. COORDINATE WITH READY MIX PLANT PRIOR TO CONSTRUCTION.
 - C. HARDENED CONCRETE RECYCLING: ALLOW CONCRETE WASHOUT TO HARDEN IN BASIN. THE HARDEN CONCRETE MAY BE DELIVERED TO RECYCLING PLANTS.

CONCRETE TRUCK WASHOUT BASIN
NTS



LOOP ROAD (MASTER PLAN STREET TYPE E)

STA. 20+15.28 TO 25+60.68
 *STA. 25+60.68 TO 26+11.00 - REFER TO GRADING DETAIL ON SHEET C-152

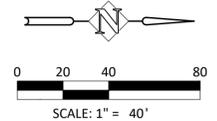


STORM DRAIN NOTES

- PIPE RULES (PIPE COVER IS MEASURED FROM CROWN OF PIPE TO FINISH GRADE):
 - TEN-INCH DIAMETER PIPE OR SMALLER SHALL BE:
 - PVC STORM DRAINPIPE CONFORMING TO EITHER ASTM D-3034, OR SEAMLESS PVC PIPE CONFORMING TO ASTM F794 UNLESS OTHERWISE NOTED ON THE APPROVED PLANS. CONCRETE PIPE CONFORMING TO ASTM C-14, CLASS 3 IS ALSO ACCEPTABLE. WATERTIGHT GASKETS ARE REQUIRED ON ALL PIPE SIZES.
 - PIPES WITH LESS THAN 3' OF COVER (BUT NO LESS THAN 2' OF COVER) SHALL BE CORRUGATED HIGH-DENSITY POLYETHYLENE PIPE (HDPE) - SMOOTH INTERIOR (ADS N-12 OR EQUIVALENT, MAXIMUM 30-INCH DIAMETER CONFORMING TO AASHTO M-294) (WITH WATERTIGHT GASKETS) OR AWWA C-900 WITH WATERTIGHT GASKETS.
 - PIPES WITH LESS THAN 2' OF COVER (BUT NO LESS THAN 1' OF COVER) SHALL BE DUCTILE IRON; CLASS 50 WALL THICKNESS FOR PIPE SIZES UP TO 12 INCHES; WATER TIGHT GASKETS REQUIRED. WHEN USED IN PUBLIC RIGHT-OF-WAY THERE MUST BE TWO-FOOT MINIMUM COVER FROM ROADWAY SUBGRADE UNLESS CLASS 52 IS USED ALLOWING A ONE-FOOT MINIMUM COVER.
 - TWELVE-INCH THROUGH 48-INCH DIAMETER PIPE (FOR STORM DRAIN PIPE - BUT NOT FOR CULVERTS) MAY BE ONE OF THE FOLLOWING, UNLESS OTHERWISE NOTED ON THE APPROVED PLANS:
 - POLYVINYL CHLORIDE (PVC), SEAMLESS, SEWER PIPE: (SDR 35, MEETING REQUIREMENTS OF ASTM D3034 FOR PIPES UP TO 15-INCH), (ASTM F-679 FOR PIPES 18 TO 27 INCHES), (ASTM F-794 FOR PIPES UP TO 30 INCHES), (AWWA C-900 DR 18 FOR UP TO 12-INCH), (AWWA C-900 DR 21 FOR PIPES 14 TO 30-INCHES).
 - PIPES WITH LESS THAN 3' OF COVER (BUT NO LESS THAN 2' OF COVER) SHALL BE CORRUGATED HIGH-DENSITY POLYETHYLENE PIPE (HDPE) - SMOOTH INTERIOR (ADS N-12 OR EQUIVALENT, MAXIMUM 30-INCH DIAMETER CONFORMING TO AASHTO M-294) OR AWWA C-900 DRI8/DR21 WITH WATERTIGHT GASKETS.
 - PIPES WITH LESS THAN 2' OF COVER (BUT NO LESS THAN 1' OF COVER) SHALL BE DUCTILE IRON; CLASS 51 WALL THICKNESS FOR 14 INCH AND LARGER; WATER TIGHT GASKETS REQUIRED. WHEN USED IN PUBLIC RIGHT-OF-WAY THERE MUST BE TWO-FOOT MINIMUM COVER FROM ROADWAY SUBGRADE UNLESS CLASS 52 IS USED ALLOWING A ONE-FOOT MINIMUM COVER.
- PERFORATED UNDERDRAIN PIPE IN STORMWATER FACILITIES SHALL BE ABS SCH. 40, DUCTILE IRON OR PVC SCH. 40, UNLESS OTHERWISE NOTED ON THE APPROVED PLANS OR STANDARD DRAWINGS.
- ALL TRENCH EXCAVATION SHALL BE IN CONFORMANCE WITH OREGON CITY STANDARD DRAWING FOR PIPE BEDDING AND BACKFILL, AND SHALL BE CLASSIFIED AS EITHER ROCK OR COMMON EXCAVATION. ALL EXCESS MATERIAL FROM THE TRENCH EXCAVATION SHALL BE DISPOSED OF TO AN APPROVED SITE.
- PIPE BEDDING AND TRENCH BACKFILL MAY BE CLASS A ON ALL SEWER LINES OUTSIDE PUBLIC STREETS OR OUTSIDE OF PAVED AREAS. TRENCH BACKFILL SHALL BE CLASS B IN ALL PUBLIC STREETS OR PAVED AREAS IN THE PROJECT AS OUTLINED IN OREGON CITY STANDARD DRAWING FOR PIPE BEDDING AND BACKFILL. THE CLASS B BACKFILL SHALL EXTEND A MINIMUM OF THREE FEET (3') BEYOND THE EDGE OF STREET OR HARD SURFACED AREAS. CDF BACKFILL MAY BE REQUIRED INSTEAD OF CLASS B AS APPLICABLE PER OREGON CITY PAVEMENT CUT STANDARD.
- TRENCH BACKFILL COMPACTION SHALL BE 95% OF AASHTO T-180 MODIFIED PROCTOR FROM TOP OF PIPE ZONE UP TO ROAD BASE. CONTRACTOR TO DETERMINE TYPE OF EQUIPMENT AND METHOD TO USE TO ACHIEVE THE REQUIRED COMPACTION. 95% COMPACTION, AASHTO T-180, IS REQUIRED IN PUBLIC STREETS AND PAVED AREAS, 85% COMPACTION OF AASHTO T-99 IN NON-PAVED OR UNIMPROVED AREAS.
- IF DRAINAGE FIELD TILE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE CITY'S INSPECTOR. THE INTENT WILL BE TO CONNECT ANY FUNCTIONING DRAIN TILE SYSTEM TO THE STORM DRAIN SYSTEM IN AN APPROPRIATE MANNER. SUCH CONNECTION MUST BE NOTED ON THE AS-BUILT DRAWINGS AND MUST BE APPROVED BY THE PROJECT ENGINEER AS WELL AS THE CITY'S INSPECTOR.
- ALL MANHOLES LOCATED IN UNIMPROVED EASEMENTS AND RIGHT OF WAYS SHALL BE PROVIDED WITH TAMPER PROOF LIDS, BE INSTALLED TWO FEET (2') ABOVE EXISTING GRADE AND MARKED WITH A MARKER POST PER OREGON CITY STANDARDS UNLESS OTHERWISE NOTED.
- ALL MATERIALS INSPECTIONS AND TESTS ARE TO BE IN ACCORDANCE WITH CITY OF OREGON CITY AND/OR ODOT/APWA STANDARD SPECIFICATIONS. ALL SECTIONS FAILING TO PASS THE REQUIRED TESTS AND INSPECTIONS SHALL BE LOCATED AND REPAIRED. AFTER REPAIR, THESE SECTIONS SHALL BE RETESTED AND INSPECTED UNTIL FOUND ACCEPTABLE BY THE ENGINEER AND OWNER.
- ALL STORM PIPING SHALL BE VIDEO INSPECTED BY THE CONTRACTOR. BEFORE ACCEPTANCE BY THE OWNER AND ENGINEER, STORMWATER PIPE SHALL BE SHOWN CLEAR OF ANY DEBRIS, ROCKS, GRAVEL, SAND, SILT, OTHER FOREIGN MATERIAL, AND GRADE/ALIGNMENT DEVIATIONS IN EXCESS OF THE STANDARD SPECIFICATIONS.
- PROVISIONS SHALL BE MADE BY THE CONTRACTOR TO KEEP ALL EXISTING UTILITIES IN SERVICE AND PROTECT THEM DURING CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN OR NOT ON THESE PLANS, SHALL BE REPAIRED/REPLACED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL EXPOSE AND VERIFY BOTH THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES. THE CONTRACTOR SHALL CONNECT AND/OR MATCH EXISTING AND PROPOSED IMPROVEMENTS IN CONFORMANCE WITH THE INTENT OF THESE PLANS TO PROVIDE COMPLETE AND FULLY OPERATIONAL SYSTEM.

STREET SYSTEM NOTES:

- ENGINEERED FILL SHALL BE PLACED ON AREAS STRIPPED OF ALL ORGANIC MATERIALS IN LIFTS NOT TO EXCEED 8-INCHES IN DEPTH AND EACH LAYER SHALL BE SEPARATELY AND THOROUGHLY COMPACTED. FILL MATERIALS SHALL BE PLACED WITHIN 2% OF THE OPTIMUM MOISTURE AND NO LESS THAN 95% COMPACTION PER AASHTO T 180. CONTRACTOR SHALL SUBMIT TEST RESULTS TO THE ENGINEER OF RECORD AND CITY PUBLIC WORKS INSPECTOR.
- MATERIAL IN SOFT SPOTS WITHIN THE ROADWAY SHALL BE REMOVED TO THE DEPTH REQUIRED TO PROVIDE A FIRM FOUNDATION AND SHALL BE REPLACED WITH 1-1/2"-0" CRUSHED ROCK. THE ENTIRE SUBGRADE SHALL BE THOROUGHLY COMPACTED AT THE LOWEST MOISTURE CONTENT AT WHICH A HANDFUL OF SOIL CAN BE MOLDED BY A FIRM CLOSING OF THE HAND. MINIMUM OF 95% COMPACTION AASHTO T 180 REQUIRED.
- THE SUB GRADE SHALL BE COMPACTED PER ODOT/APWA PART 3, SECTION 00330. CONTRACTOR SHALL SUBMIT TEST RESULTS TO THE ENGINEER OF RECORD AND CITY PUBLIC WORKS INSPECTOR. THE REQUIRED DENSITY OF TREATED AND UNTREATED SUBGRADE MATERIALS SHALL NOT BE LESS THAN 95% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T 180.
- CONTRACTOR SHALL NOTIFY THE ENGINEER AND CITY WHEN SUBGRADE IS COMPLETE, 24 HOURS PRIOR TO PLACEMENT OF ROCK BASE MATERIAL, AND 24 HOURS PRIOR TO FINAL PAVING FOR AN INSPECTION OF THE WORK. FAILURE TO DO SO WILL MAKE ANY SUBGRADE FAILURE OR DRAINAGE PROBLEMS THE RESPONSIBILITY OF THE CONTRACTOR.
- THE AGGREGATE ROAD BASE SHALL BE COMPACTED PER ODOT/APWA PART 6, SECTION 00640 AND 00641. WITH MATERIALS MAINTAINED WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT. CONTRACTOR SHALL BEGIN COMPACTION OF EACH LAYER IMMEDIATELY AFTER THE MATERIAL IS SPREAD AND CONTINUE UNTIL A DENSITY OF NOT LESS THAN 95% OF THE MAXIMUM DENSITY HAS BEEN ACHIEVED USING AASHTO T 180. CONTRACTOR SHALL SUBMIT TEST RESULTS TO THE ENGINEER OF RECORD AND CITY PUBLIC WORKS INSPECTOR. TESTING FREQUENCY SHALL BE ONE TEST PER EVERY 100 LINEAR FEET MINIMUM AND MORE FREQUENTLY AT THE DISCRETION OF THE CITY PUBLIC WORKS INSPECTOR IF TESTS ARE NOT MEETING A MINIMUM OF 95% COMPACTION PER AASHTO T-180.
- ASPHALT CONCRETE PAVEMENT MIX SHALL BE DESIGNED FROM A MIX FORMULA APPROVED BY ODOT FOR MATERIAL USED OR AS NOTED ON THESE PLANS. CONTRACTOR TO PROVIDE ENGINEER OF RECORD AND CITY WITH CERTIFICATE OF COMPLIANCE FROM ASPHALT PAVEMENT PLANT UNLESS OTHERWISE INDICATED.
- THE ASPHALT CONCRETE PAVEMENT MIX SHALL BE COMPACTED PER ODOT/APWA PART 7, SECTION 00744 WITH TESTING BY NUCLEAR GAUGE TO AT LEAST 92% OF THEORETICAL MAXIMUM DENSITY (RICE DENSITY) PER AASHTO T 209 ON ALL LIFTS. CONTRACTOR SHALL SUBMIT TEST RESULTS TO THE ENGINEER AND CITY. TESTING FREQUENCY SHALL BE ONE TEST PER EVERY 100 LINEAR FEET MINIMUM AND MORE FREQUENTLY AT THE DISCRETION OF THE CITY PUBLIC WORKS INSPECTOR IF TESTS ARE NOT MEETING A MINIMUM OF 92% COMPACTION PER AASHTO T-209.
- EXCESS EXCAVATION MAY BE SPREAD AND COMPACTED EVENLY ON THE SITE IN DEPTHS OF LESS THAN ONE FOOT PER THE SITE GRADING PLAN. VEGETATION AND TOPSOIL TO BE STRIPPED ON FILL AREAS PRIOR TO FILLING. COMPACTION OF 95% OF AASHTO T 180 IS REQUIRED IN BUILDABLE AREAS. CONTRACTOR SHALL ACHIEVE 85% COMPACTION IN NON-BUILDABLE AREAS. PROPER CITY OR COUNTY FILL PERMIT SHALL BE OBTAINED IF EXCESS EXCAVATION IS HAULED OFF SITE.
- MONUMENT BOX LOCATIONS SHALL BE PLACED AT THE BEGINNING, END, CENTERLINE INTERSECTION, POINT OF CURVATURE AND POINT OF TANGENCY FOR ALL STREETS, AND IN ACCORDANCE WITH CLACKAMAS COUNTY SURVEYOR STANDARDS. CONTACT PROJECT SURVEYOR FOR REQUIRED LOCATIONS. THE CONTRACTOR SHALL INSTALL THE MONUMENT BOXES IN STREET AREAS WHERE MARKED BY THE SURVEYOR AND IN ACCORDANCE WITH CLACKAMAS COUNTY MONUMENT STANDARDS AND CITY STREET STANDARDS.
- ALL MATERIALS, INSPECTIONS, AND TESTS SHALL BE IN ACCORDANCE WITH CITY OF OREGON CITY STANDARD SPECIFICATIONS AND THE MOST RECENT EDITION OF THE OREGON ODOT/APWA STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- MONOLITHIC CURB AND GUTTER IS REQUIRED UNLESS OTHERWISE NOTED.
- PROOF ROLL WITH A LOADED WATER TRUCK OR 10-11 CUBIC YARDS LOADED GRAVEL TRUCK IS REQUIRED PRIOR TO CURB PLACEMENT AND PRIOR TO PAVING.
- CONTRACTOR SHALL INSTALL ADA RAMPS AND SIDEWALKS AS SHOWN IN ACCORDANCE WITH CITY STANDARD DRAWINGS.
- ADA RAMPS AND SIDEWALKS SHALL BE A MINIMUM OF 4-INCH THICK CONCRETE WITH 4-INCHES OF COMPACTED 3/4"-0" CRUSHED ROCK BASE COURSE.
- DRIVEWAY APPROACHES SHALL BE A MINIMUM OF 6-INCH THICK CONCRETE WITH 6-INCH BY 6-INCH - 10 GAUGE STEEL MESH ON TOP OF BLOCKS OVER 4-INCHES OF COMPACTED 3/4"-0" CRUSHED ROCK BASE COURSE.
- ALL CONCRETE SHALL BE AIR ENTRAINED, MINIMUM 4.5%, WITH A MINIMUM COMPRESSIVE BREAKING STRENGTH OF 4,000 PSI AFTER 28 DAYS.
- PRIOR TO INSTALLATION OF CURB AND GUTTER, ADA RAMPS OR SIDEWALK, THE PROJECT ENGINEER OF RECORD AND CITY PUBLIC WORKS INSPECTOR SHALL BE CONTACTED TO INSPECT STRING LINE, FORMWORK, BASE COMPACTION, AND RELATED ITEMS.
- EXISTING PRIVATE UTILITIES SHALL BE RELOCATED IF NECESSARY. CONTRACTOR SHALL COORDINATE THIS WORK.
- ALL UTILITY CROSSINGS SHALL BE PLACED PRIOR TO PROOF ROLL TEST FOR CURB INSTALLATION. THE NUMBER OF CROSSINGS, EXACT LOCATION, DEPTH, CONDUIT TYPE, ETC. SHALL BE SPECIFIED BY THE PRIVATE UTILITY CARRIERS. CONTRACTOR SHALL COORDINATE.
- CONTRACTOR SHALL CONTACT CITY PUBLIC WORKS INSPECTOR TO SCHEDULE PRE-PAVING CONFERENCE PRIOR TO COMMENCING PAVING OPERATIONS.
- FURNISH A TWELVE-FOOT (12-FOOT) STRAIGHTEDGE. TEST WITH A TWELVE-FOOT (12-FOOT) STRAIGHTEDGE PARALLEL TO AND PERPENDICULAR TO THE CENTERLINE, AS DIRECTED. THE PAVEMENT SURFACE SHALL NOT VARY BY MORE THAN ONE-QUARTER-INCH (1/4 INCH). MARK AREAS NOT MEETING THE SURFACE TOLERANCE. THESE TOLERANCES SHALL APPLY WHEN WATER VALVE BOXES, MANHOLE CASTINGS AND OTHER UTILITY APPURTENANCES CAN BE ADJUSTED BEFORE OR DURING THE PAVING OPERATIONS.
- ALL NEW CURB, SIDEWALK, ADA RAMPS AND DRIVEWAYS SHALL BE FREE OF CRACKS, CHIPS, SPALLS AND OTHER DEFECTS. ALL REPAIRS TO THESE FACILITIES REQUIRE REMOVAL AND REINSTALLATION, SUCH REMOVAL SHALL BE TO THE NEAREST CONTRACTION OR EXPANSION JOINT.



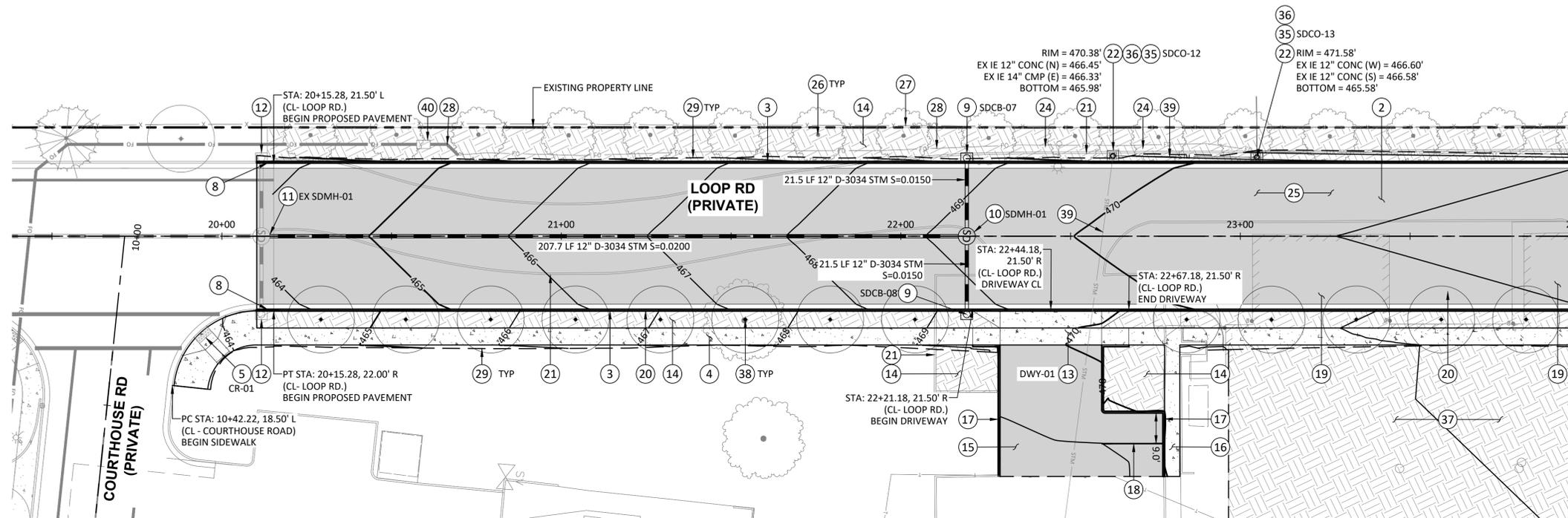
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REGISTERED PROFESSIONAL ENGINEER
 PRELIMINARY
 OREGON
 NOV. 12, 2007
 KIMBERLY ANN SHEPPA
 EXPIRES: 06/30/2024

CLACKAMAS COUNTY COURTHOUSE LOOP ROAD EXTENSION & PARKING LOT F
 CLACKAMAS COUNTY, OR
 1000 COURTHOUSE ROAD
 OREGON CITY, OR 97045

100% CD / PERMIT SET
 11/21/2023 REVISIONS

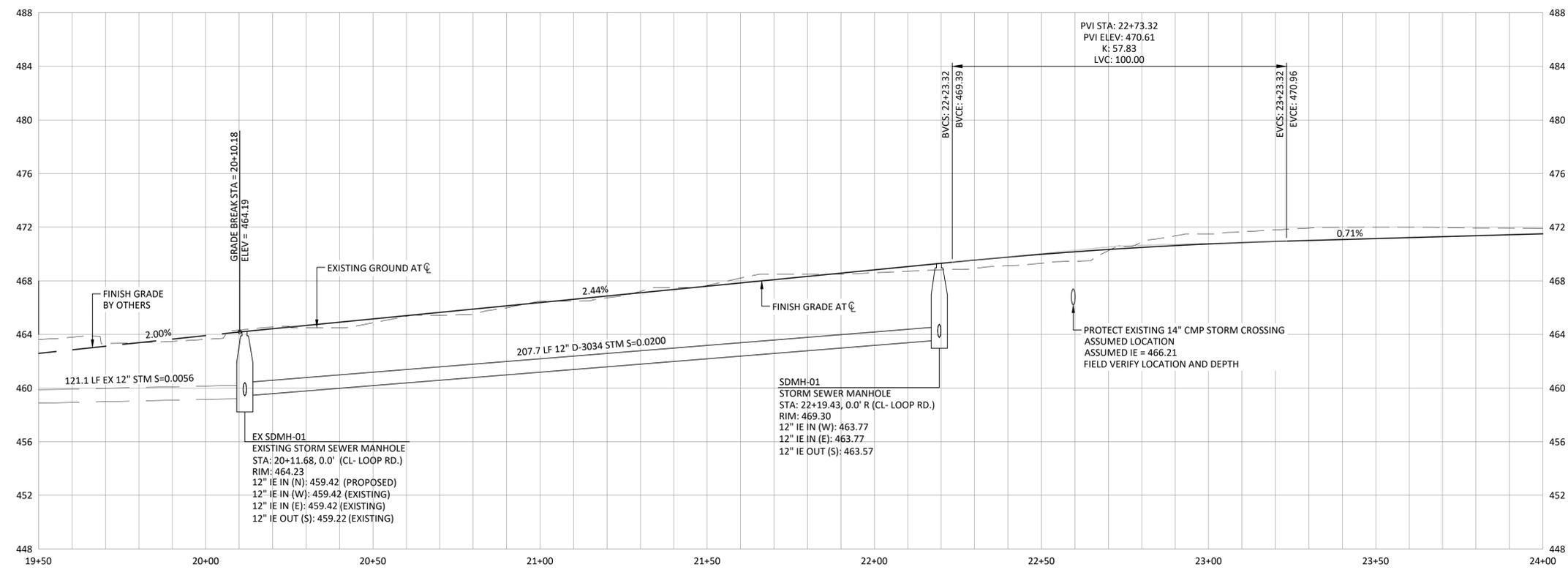
74-23103-00
 LOOP ROAD GRADING PLAN



MATCHLINE - STA. 24+00.00
SEE SHEET C-143

CONSTRUCTION NOTES:

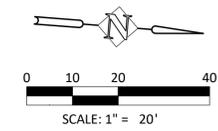
- 2) CONSTRUCT ASPHALT PAVEMENT PER TYPICAL SECTION ON SHEET C-141.
- 3) CONSTRUCT CURB AND GUTTER PER DETAIL ON SHEET C-144.
- 4) CONSTRUCT CONCRETE SIDEWALK PER DETAIL ON SHEET C-144.
- 5) CONSTRUCT PERPENDICULAR CURB RAMP WITH DETECTABLE WARNING PER DETAIL ON SHEET C-144. REFER TO SHEETS C-151 AND C-152 FOR GRADING DETAILS.
- 8) MATCH EXISTING CURB/SIDEWALK.
- 9) CONSTRUCT CG-3 CATCH BASIN PER ODOT STANDARD DRAWING. SEE THIS SHEET FOR DATA.
- 10) CONSTRUCT STORMWATER MANHOLE. SEE THIS SHEET FOR DATA. REFER TO SHEET C-162 FOR DETAIL.
- 11) CONNECT TO EXISTING STORM SEWER MANHOLE. REFER TO PIPE CONNECTION DETAIL ON SHEET C-162.
- 12) ADJUST EXISTING CATCH BASIN. CONFIRM RIM AND CATCH BASIN ELEVATIONS INSTALLED BY OTHERS.
- 13) CONSTRUCT STANDARD COMMERCIAL DRIVEWAY PER COOC STD. DWG. 505 ON SHEET C-144. REFER TO SHEET C-151 FOR GRADING.
- 14) PROPOSED LANDSCAPE. REFER TO LANDSCAPE PLANS.
- 15) SAWCUT, REMOVE, AND REPLACE EXISTING ASPHALT AS SHOWN OR DIRECTED. REFER TO SHEET C-151 FOR GRADING. REFER TO SHEET L603 ON LANDSCAPE PLANS FOR TYPE 1 AC PAVEMENT SECTION.
- 16) SAWCUT, REMOVE, AND REPLACE EXISTING SIDEWALK AS SHOWN OR DIRECTED. REFER TO SHEET C-151 FOR GRADING. REFER TO SHEET L603 ON LANDSCAPE PLANS FOR CONCRETE SECTION.
- 17) SAWCUT, REMOVE, AND REPLACE EXISTING STANDARD CURB AS SHOWN OR DIRECTED. REFER TO SHEET C-151 FOR GRADING. REFER TO SHEET L603 ON LANDSCAPE PLANS FOR STANDARD CURB DETAIL.
- 18) INSTALL 4" WIDE PARKING STALL STRIPING TO MATCH ADJACENT EXISTING STRIPES. COORDINATE WITH ENGINEER PRIOR TO INSTALLATION.
- 19) EXISTING BUILDING TO BE REMOVED PRIOR TO ROAD CONSTRUCTION.
- 20) REMOVE EXISTING TREE.
- 21) REMOVE EXISTING CURB.
- 22) REMOVE EXISTING CATCH BASIN. CONFIRM ALL EXISTING STORM CONNECTIONS ARE REROUTED TO NEW LINE PRIOR TO REMOVAL.
- 24) REMOVE EXISTING SIGN.
- 25) REMOVE EXISTING ASPHALT.
- 26) PROTECT EXISTING TREE.
- 27) PROTECT EXISTING FENCE.
- 28) PROTECT EXISTING FIBER OPTIC LINE. FIELD VERIFY LOCATION AND DEPTH AND COORDINATE ANY CONFLICTS WITH ENGINEER PRIOR TO CONSTRUCTION.
- 29) APPROXIMATE LIMITS OF GRADING. RESTORE ALL DISTURBED AREAS TO EXISTING CONDITION.
- 35) CONSTRUCT STORMWATER CLEANOUT. REFER TO SHEET C-162 FOR DETAIL.
- 36) CONNECT TO EXISTING STORM LINE. REFER TO SHEET C-162 FOR PIPE CONNECTION DETAIL.
- 37) REFER TO LANDSCAPE PLANS FOR SEEDING PLAN FOR RESTORATION OF EXISTING BUILDING TO BE DEMOLISHED.
- 38) PROPOSED STREET TREE. REFER TO LANDSCAPE PLANS.
- 39) PROTECT EXISTING STORM LINE IN PLACE. FIELD VERIFY DEPTH AND LOCATION.
- 40) PROTECT EXISTING FIBER VAULT.



LOOP ROAD PROFILE - STA: 19+50.00 TO STA: 24+00.00

SCALE: 1" = 20' (HORIZ.)
1" = 5' (VERT.)

| STORM DRAINAGE DATA | | | |
|---------------------|------------------------------|-----------|--|
| NUMBER | DESCRIPTION | RIM ELEV. | INVERT ELEV. |
| EX SDMH-01 | EXISTING STORM SEWER MANHOLE | 464.23 | EX 12" IE OUT (S) = 459.22 12" IE IN (N) = 459.42 EX 12" IE IN (W) = 459.42 EX 12" IE IN (E) = 459.42 |
| SDCB-07 | CG-3 CATCH BASIN | 465.62 | 12" IE OUT (E) = 464.09 |
| SDCB-08 | CG-3 CATCH BASIN | 469.60 | 12" IE OUT (W) = 464.09 |
| SDCO-12 | CLEANOUT | 467.47 | EX 12" IE IN (N) = 466.45 EX 12" IE OUT (E) = 466.33 |
| SDCO-13 | CLEANOUT | 471.33 | EX 12" IE OUT (S) = 466.58 EX 12" IE IN (W) = 466.60 |
| SDMH-01 | STORM SEWER MANHOLE | 469.30 | 12" IE OUT (S) = 463.57 12" IE IN (W) = 463.77 12" IE IN (E) = 463.77 |



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205 SE Spokane Street, Suite 200, Portland, OR 97202
phone: 503.221.1131 www.hhpr.com fax: 503.221.1171

REGISTERED PROFESSIONAL
ENGINEER
NOV. 12, 2007
PRELIMINARY
OR
KIMBERLY ANN SHEPPA
EXPIRES: 06/30/2024

CLACKAMAS COUNTY COURTHOUSE LOOP
ROAD EXTENSION & PARKING LOT F

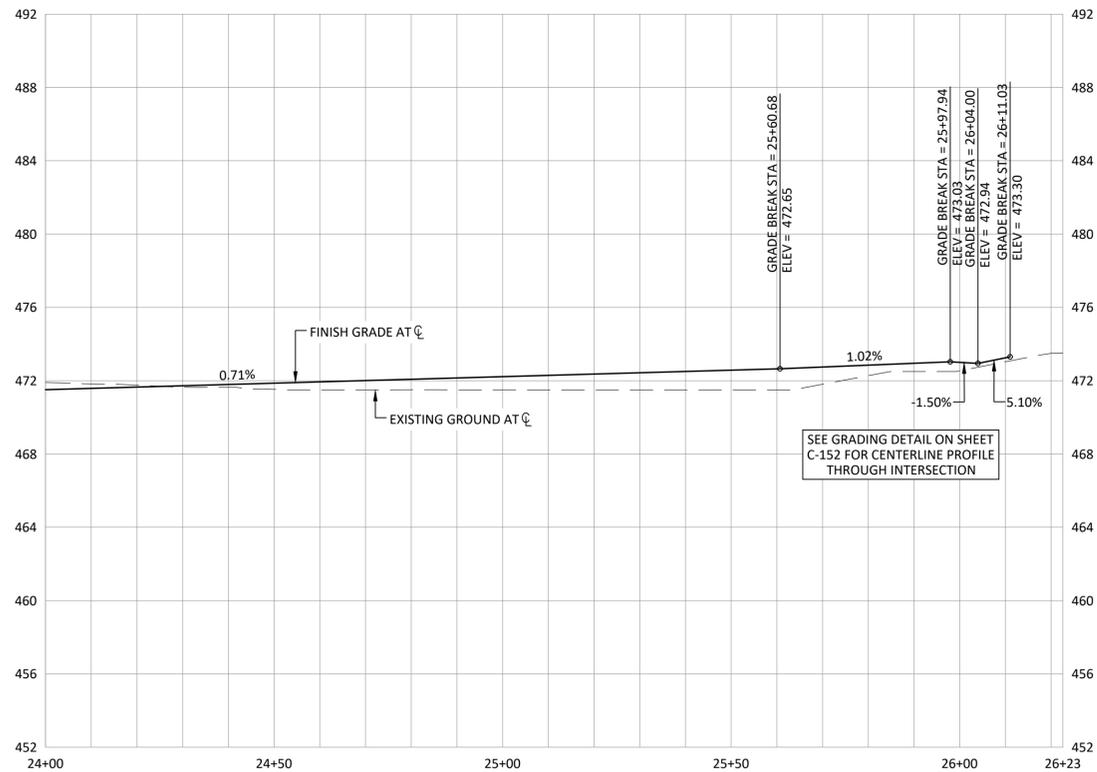
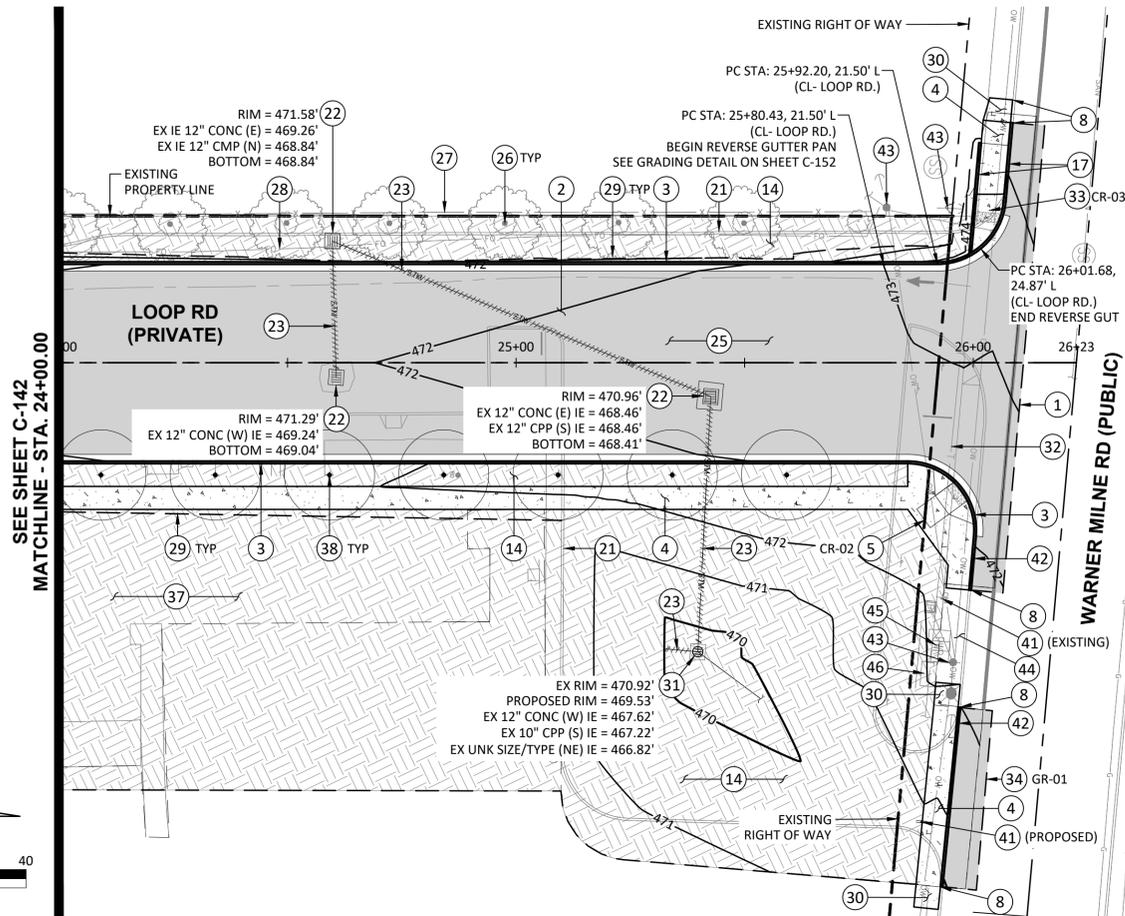
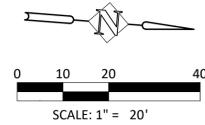
CLACKAMAS COUNTY, OR
1000 COURTHOUSE ROAD
OREGON CITY, OR 97045

100% CD / PERMIT SET

11/21/2023 REVISIONS

74-23103-00

LOOP ROAD PLAN & PROFILE



LOOP RD PROFILE - STA: 24+00.00 TO STA: 26+23.00
 SCALE: 1" = 20' (HORIZ.)
 1" = 5' (VERT.)

CONSTRUCTION NOTES:

- 1 SAWCUT AND REMOVE EXISTING PAVEMENT.
- 2 CONSTRUCT ASPHALT PAVEMENT PER TYPICAL SECTION ON SHEET C-141.
- 3 CONSTRUCT CURB AND GUTTER PER DETAIL ON SHEET C-144.
- 4 CONSTRUCT CONCRETE SIDEWALK PER DETAIL ON SHEET C-144.
- 5 CONSTRUCT PERPENDICULAR CURB RAMP WITH DETECTABLE WARNING PER DETAIL ON SHEET C-144. REFER TO SHEETS C-151 AND C-152 FOR GRADING DETAILS.
- 8 MATCH EXISTING CURB/SIDEWALK.
- 14 PROPOSED LANDSCAPE. REFER TO LANDSCAPE PLANS.
- 17 SAWCUT, REMOVE, AND REPLACE EXISTING STANDARD CURB AS SHOWN OR DIRECTED. REFER TO SHEET C-151 FOR GRADING. REFER TO SHEET L603 ON LANDSCAPE PLANS FOR STANDARD CURB DETAIL.
- 21 REMOVE EXISTING CURB.
- 22 REMOVE EXISTING CATCH BASIN. CONFIRM ALL EXISTING STORM CONNECTIONS ARE REROUTED TO NEW LINE PRIOR TO REMOVAL.
- 23 REMOVE EXISTING STORM LINE. CONFIRM ALL EXISTING STORM CONNECTIONS ARE REROUTED TO NEW LINE PRIOR TO REMOVAL.
- 25 REMOVE EXISTING ASPHALT.
- 26 PROTECT EXISTING TREE.
- 27 PROTECT EXISTING FENCE.
- 28 PROTECT EXISTING FIBER OPTIC LINE. FIELD VERIFY LOCATION AND DEPTH AND COORDINATE ANY CONFLICTS WITH ENGINEER PRIOR TO CONSTRUCTION.
- 29 APPROXIMATE LIMITS OF GRADING. RESTORE ALL DISTURBED AREAS TO EXISTING CONDITION.
- 30 CONSTRUCT SIDEWALK TRANSITION PANEL.
- 31 REMOVE AND REPLACE EXISTING CATCH BASIN WITH LANDSCAPE AREA DRAIN WITH 12" DOMED GRATE (NYLOPLAST 12" DRAIN BASIN WITH DOMED GRATE 1299 CGD OR APPROVED EQUAL). CONNECT TO EXISTING OUTGOING PIPE OF UNKNOWN SIZE AND MATERIAL PER PIPE CONNECTION DETAIL ON SHEET C-162. POTHOLE AND FIELD VERIFY EXISTING STORM LINE SIZE, MATERIAL, LOCATION, AND DEPTH.
- 32 PROTECT EXISTING UNDERGROUND TELECOM LINES.
- 33 CONSTRUCT CONCRETE CURB RAMP WITH DETECTABLE WARNING. REFER TO SHEET C-152 FOR GRADING DETAIL.
- 34 SAWCUT AND REMOVE EXISTING PAVEMENT. REFER TO SHEET C-152 FOR GRADING DETAILS.
- 37 REFER TO LANDSCAPE PLANS FOR SEEDING PLAN FOR RESTORATION OF EXISTING BUILDING TO BE DEMOLISHED.
- 38 PROPOSED STREET TREE. REFER TO LANDSCAPE PLANS.
- 41 RELOCATE EXISTING BUS STOP AS REQUIRED TO PROVIDE ADEQUATE DISTANCE FROM N LOOP ROAD INTERSECTION. COORDINATE WITH TRIMET.
- 42 CONSTRUCT STANDARD CURB PER COOC STD. DWG. 510 ON SHEET C-144.
- 43 PROTECT EXISTING UTILITY POLE.
- 44 PROTECT EXISTING SIDEWALK, CURB AND PAVEMENT.
- 45 PROTECT EXISTING POWER VAULT.
- 46 PROTECT EXISTING TELEPHONE RISERS.

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CLACKAMAS COUNTY COURTHOUSE LOOP
 ROAD EXTENSION & PARKING LOT F

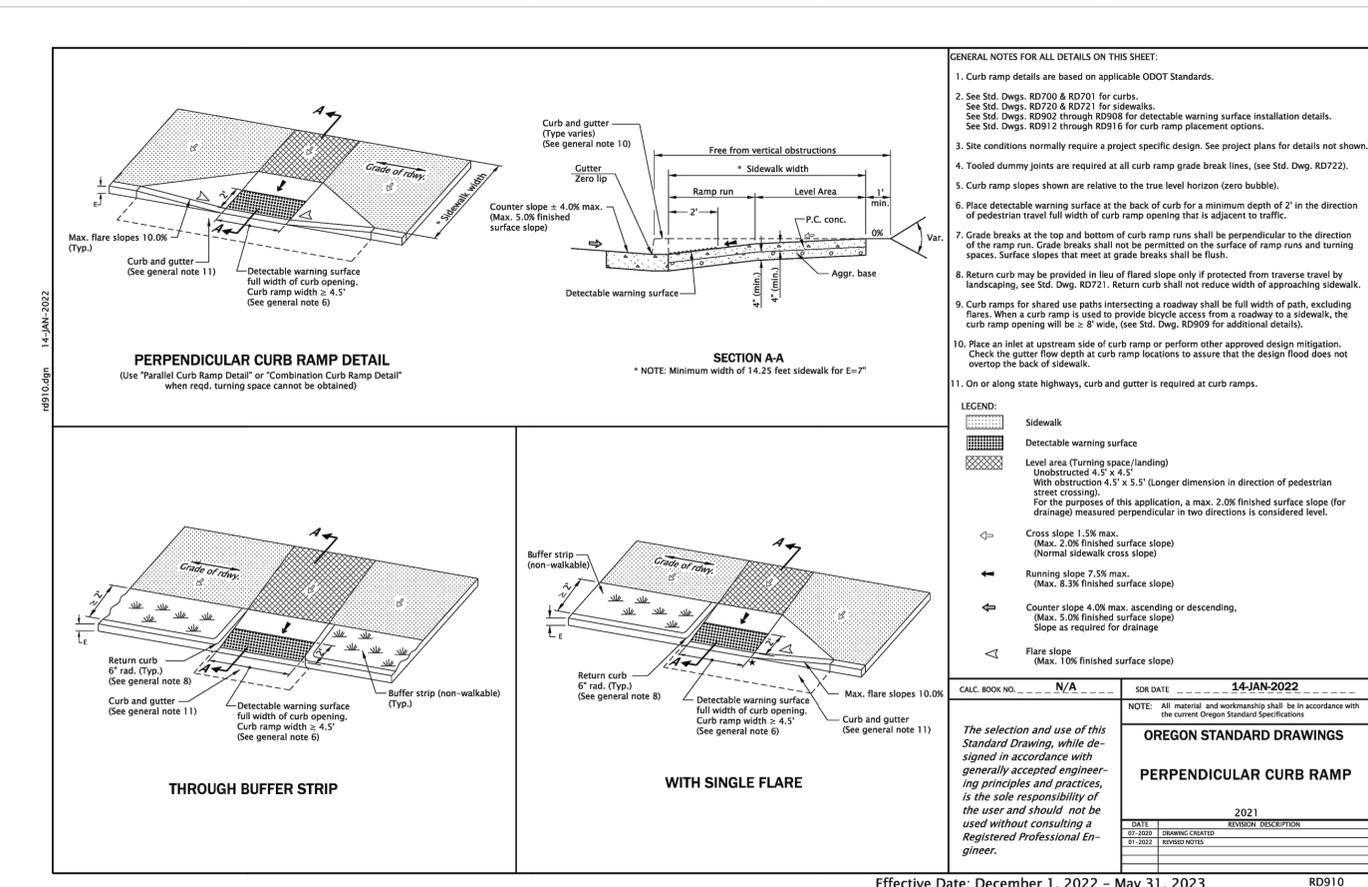
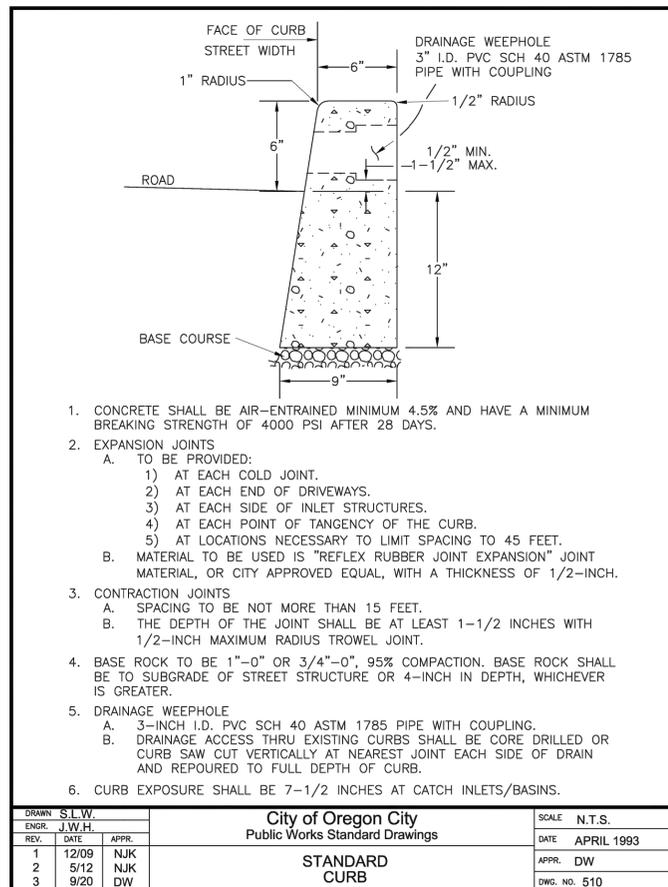
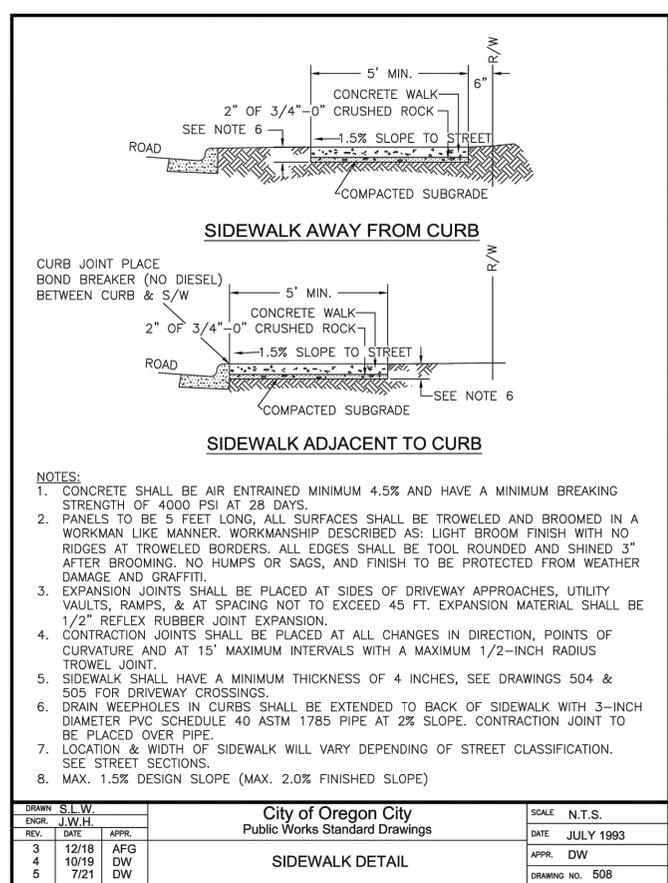
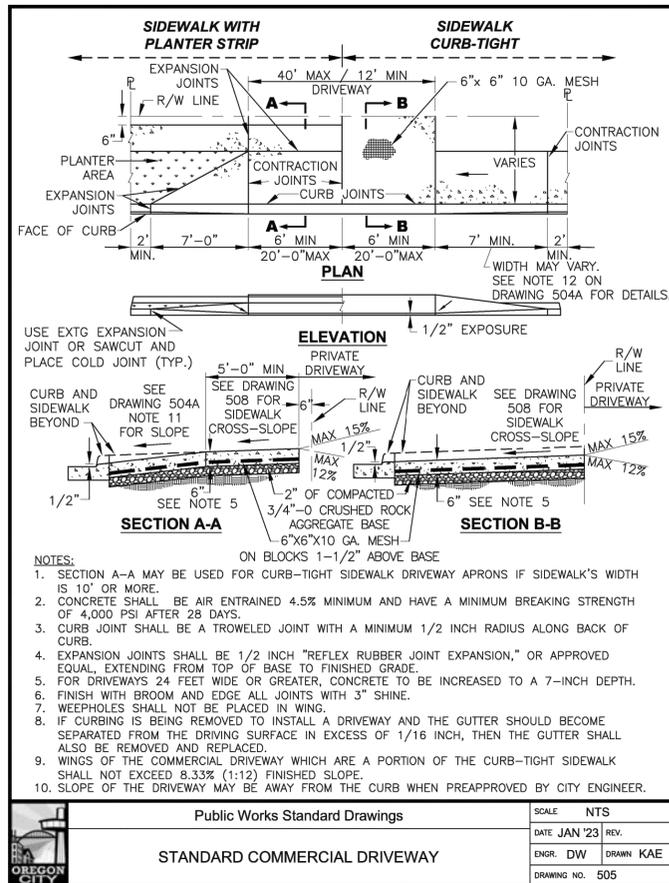
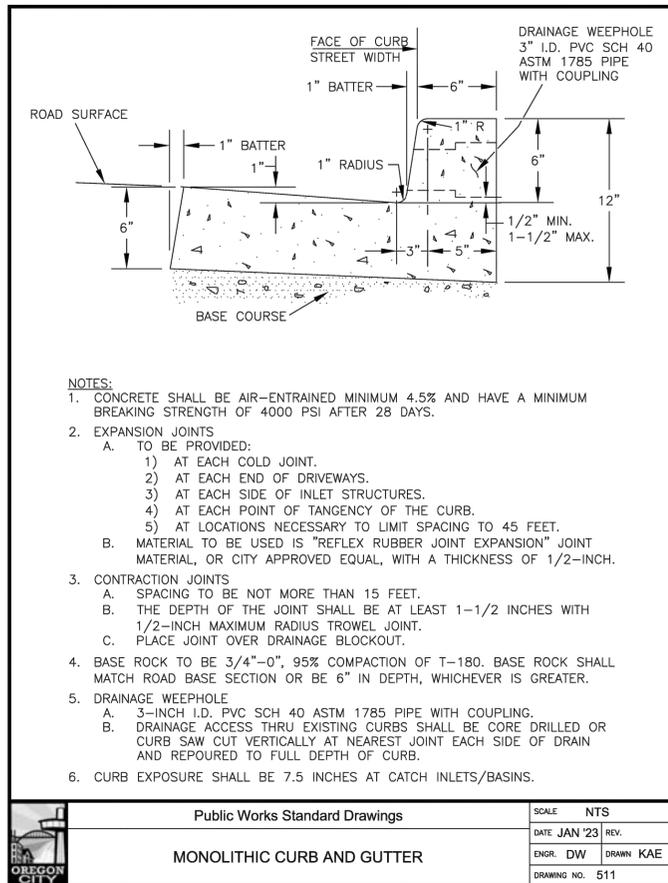
CLACKAMAS COUNTY, OR
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11/21/2023
 REVISIONS
 4 01/08/23 BID ADDENDUM

74-23103-00

LOOP ROAD PLAN & PROFILE



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CLACKAMAS COUNTY COURTHOUSE LOOP ROAD EXTENSION & PARKING LOT F

CLACKAMAS COUNTY, OR

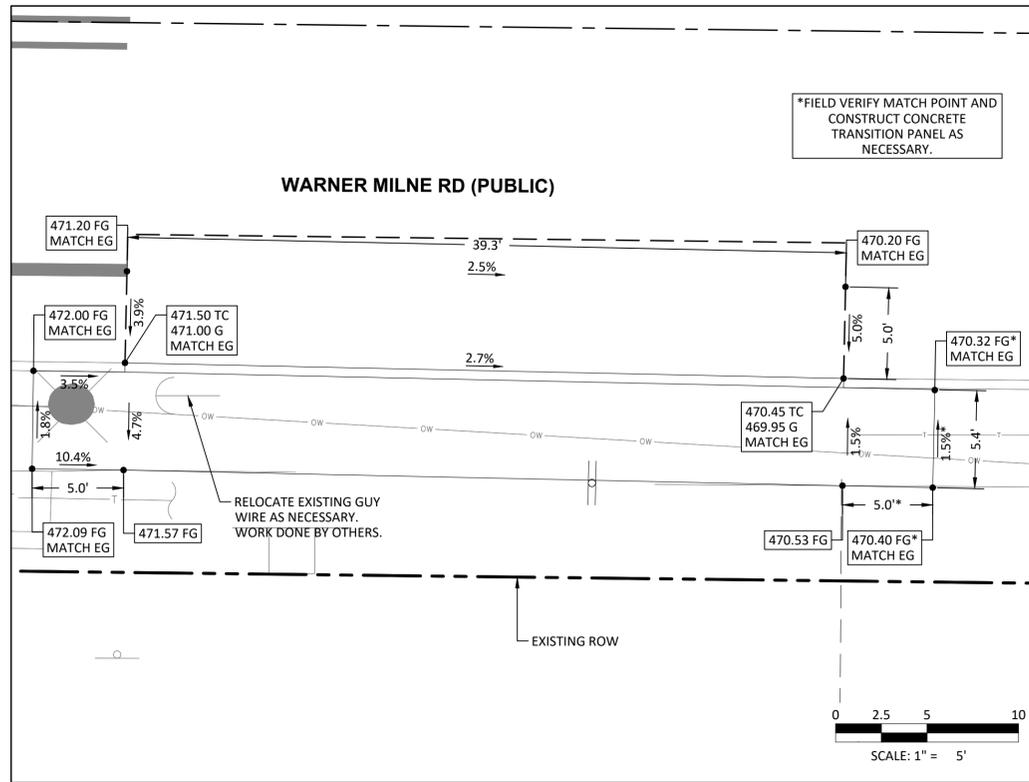
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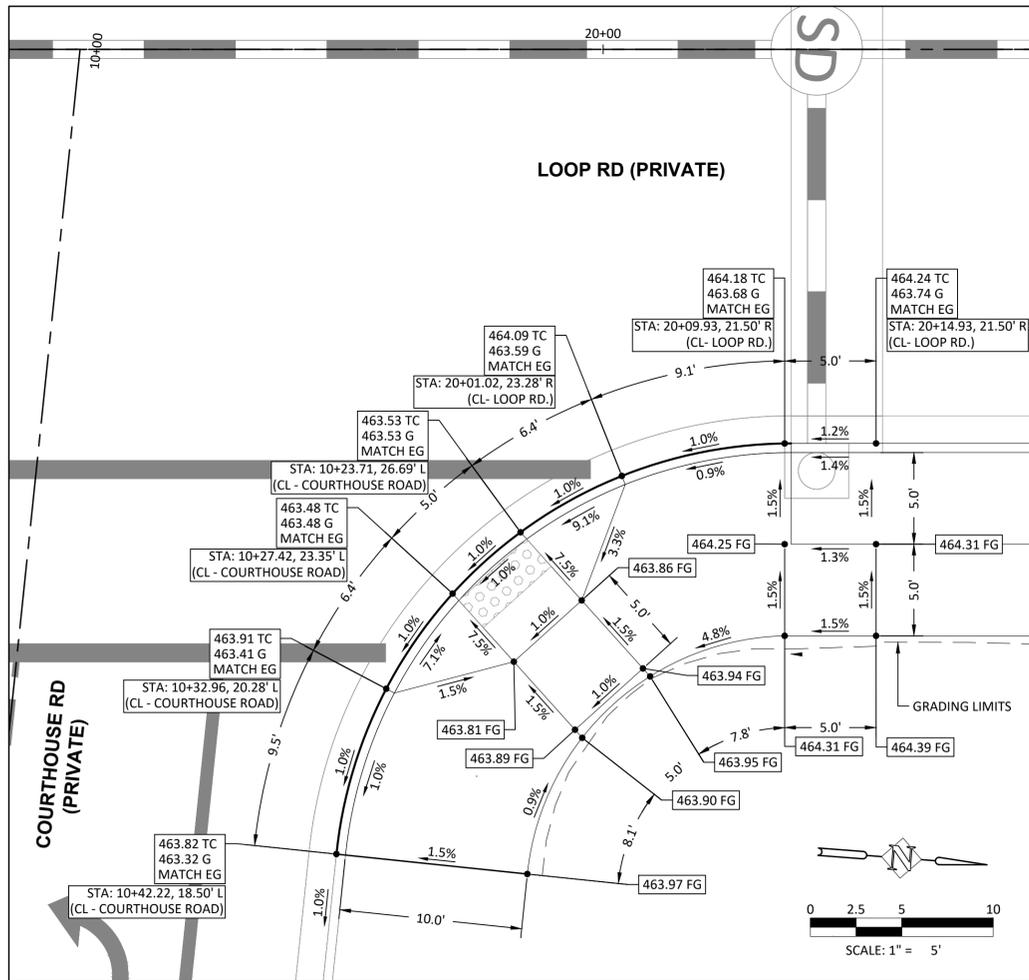
74-23103-00

DETAILS



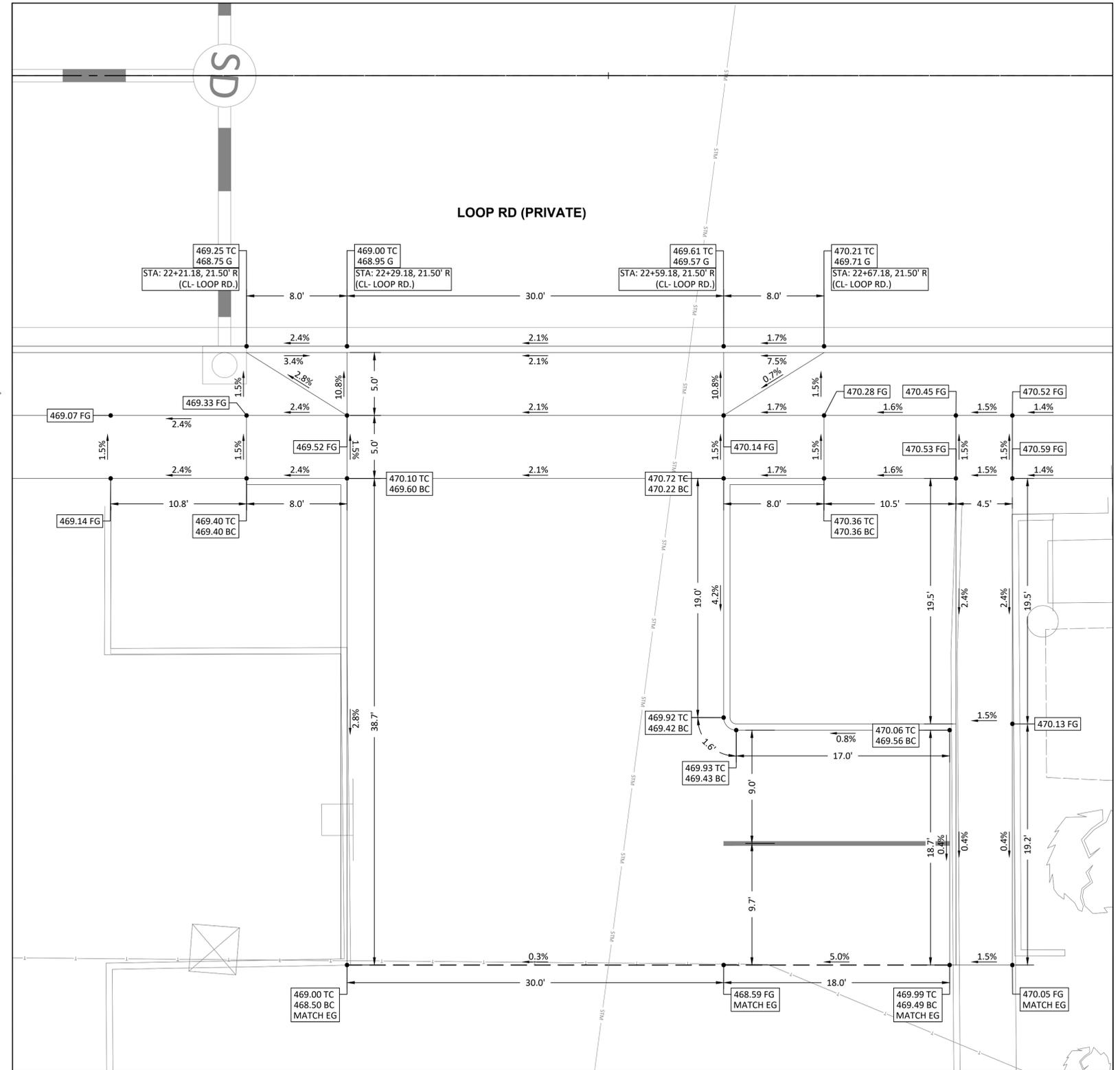
GRADING DETAIL 01 (GR-01)

SCALE: 1" = 5'



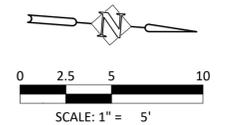
CURB RETURN 1 (CR-01)

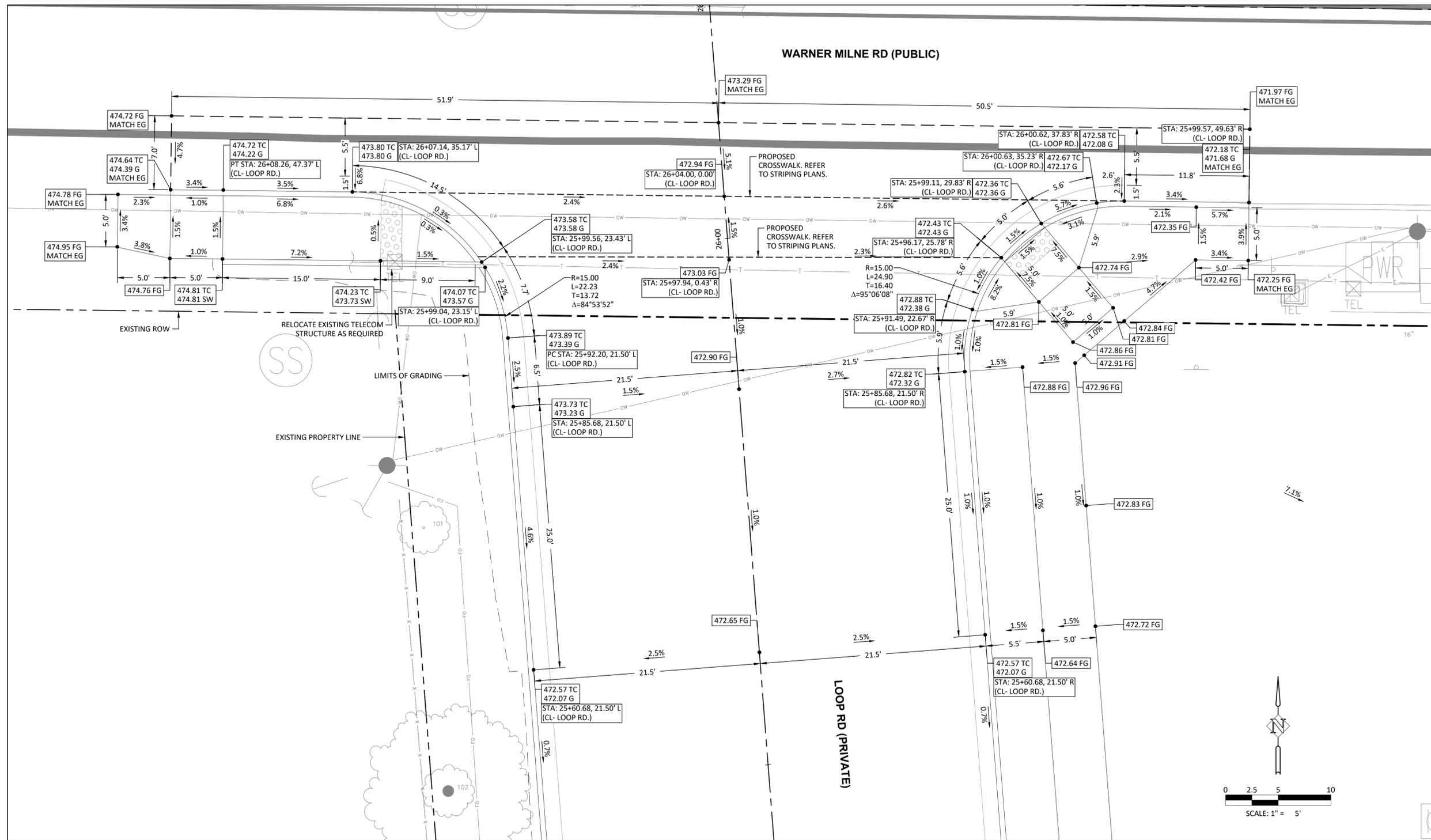
SCALE: 1" = 5'



DRIVEWAY 1 (DWY-01)

SCALE: 1" = 5'





CURB RETURN 2 AND 3 (CR-02 AND CR-03)

SCALE: 1" = 5'

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CLACKAMAS COUNTY COURTHOUSE LOOP ROAD EXTENSION & PARKING LOT F
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 GRADING DETAILS

STORMWATER AND UTILITY NOTES:

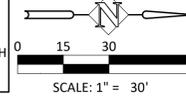
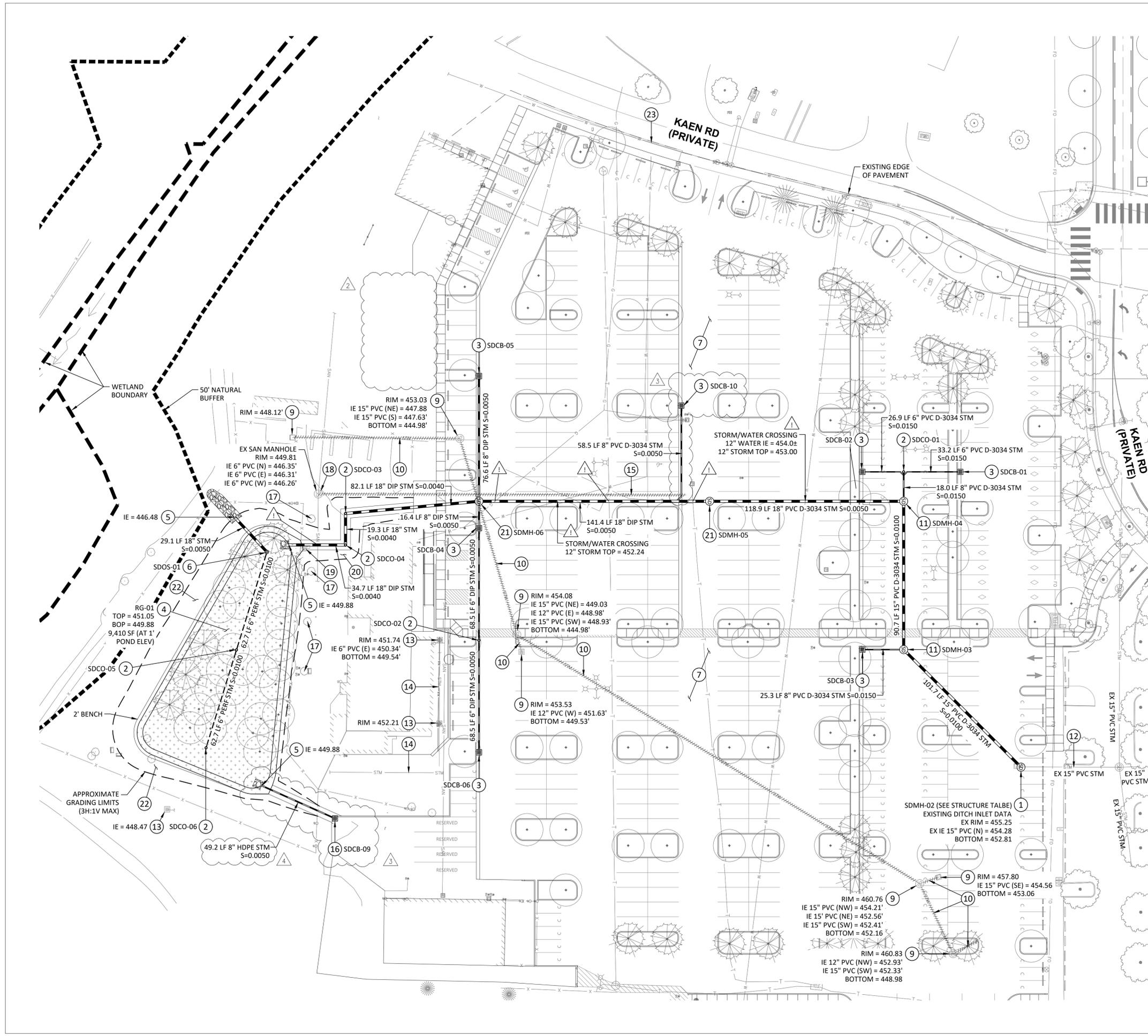
- 1 REMOVE EXISTING DITCH INLET AND CONSTRUCT FLAT TOP STORM SEWER MANHOLE. CONNECT TO EXISTING 15" PIPE. SEE DETAIL ON SHEET C-162. FIELD VERIFY LOCATION AND ELEVATION OF EXISTING 15" STORM PIPE PRIOR TO MANHOLE CONSTRUCTION.
- 2 CONSTRUCT CLEANOUT. SEE DATA ON THIS SHEET. REFER TO SHEET C-162 FOR DETAIL.
- 3 CONSTRUCT VALLEY GUTTER GRATE AND FRAME WITH CAST IN PLACE CONCRETE STRUCTURE. SEE DATA ON THIS SHEET. REFER TO SHEET C-163 FOR DETAIL.
- 4 CONSTRUCT RAIN GARDEN (RG-01) WITH 30 MIL PVC LINER PER OC FIGURE C-4 ON SHEET C-163. SEE SHEET C-164 FOR GRADING DETAIL.
- 5 CONSTRUCT STORM OUTFALL AS SHOWN ON PLAN. INSTALL ODOT CLASS 200 RIP RAP PER OC STD. DRG. NO. 632 ON SHEET C-163. 2.5' T X 7.5' W X 23' L. SEE GRADING DETAIL ON SHEET C-164.
- 6 CONSTRUCT OVERFLOW STRUCTURE. SEE DATA ON THIS SHEET. REFER TO SHEET C-163 FOR DETAIL.
- 7 PROPOSED PARKING LOT IMPROVEMENTS. SEE ARCHITECT PLAN FOR DETAILS.
- 9 REMOVE EXISTING STORM STRUCTURE. CONFIRM ALL EXISTING STORM CONNECTIONS ARE REROUTED TO NEW LINE PRIOR TO REMOVAL.
- 10 REMOVE EXISTING STORM LINE. CONFIRM ALL EXISTING STORM CONNECTIONS ARE REROUTED TO NEW LINE PRIOR TO REMOVAL.
- 11 PROPOSED STANDARD MANHOLE. SEE DATA ON THIS SHEET. REFER TO SHEET C-162 FOR DETAIL.
- 12 PROTECT EXISTING 15" STORM LINE. S = 0.0380.
- 13 PROTECT EXISTING CATCH BASIN.
- 14 PROTECT EXISTING 6" STORM LINE.
- 15 REMOVE EXISTING 6" SANITARY LINE. CONFIRM ALL SANITARY CONNECTIONS ARE ABANDONED PRIOR TO WORK.
- 16 CONSTRUCT LYNCH STYLE CATCH BASIN. SEE DATA ON THIS SHEET. REFER TO SHEET C-162 FOR DETAIL.
- 17 PROTECT EXISTING TREE.
- 18 PLUG EXISTING SANITARY LINE AT MANHOLE AND CONFIRM ALL SANITARY CONNECTIONS ARE ABANDONED PRIOR TO WORK.
- 19 RELOCATE EXISTING IRRIGATION BOX.
- 20 INSTALL 1' OF FILL OVER PROPOSED 18" STORM PIPE TO PROVIDE 1" MINIMUM COVER. GRADE 6" WIDE BENCH OVER TOP OF PIPE WITH 3:1 SIDE SLOPES. SEE GRADING DETAIL ON SHEET C-164. ARBORIST MUST BE PRESENT FOR STORM CONSTRUCTION AND GRADING OF 18" STORM LINE OUTSIDE OF THE PAVED PARKING LOT AND CONTRACTOR SHALL NOTIFY ARBORIST 2 DAYS PRIOR TO WORK BEING PERFORMED. CHRISTINE JOHNSON, 971-978-9381.
- 21 PROPOSED FLAT TOP MANHOLE. SEE DATA ON THIS SHEET. REFER TO SHEET C-162 FOR DETAIL.
- 22 RESTORE ALL DISTURBED AREAS TO EXISTING CONDITION.
- 23 CONTRACTOR TO INSTALL NEW METER AND BACKFLOW OFF OF EXISTING KAEN ROAD WATER MAIN FOR IRRIGATION POINT OF CONNECTION.

STORM DRAINAGE DATA

| NUMBER | DESCRIPTION | RIM ELEV. | INVERT ELEV. |
|---------|---|-----------|---|
| SDCB-01 | VALLEY GUTTER CATCH BASIN | 460.16 | 6" IE OUT (S) = 453.52 |
| SDCB-02 | VALLEY GUTTER CATCH BASIN | 458.11 | 6" IE OUT (N) = 453.42 |
| SDCB-03 | VALLEY GUTTER CATCH BASIN | 459.00 | 8" IE OUT (N) = 453.46 |
| SDCB-04 | VALLEY GUTTER CATCH BASIN | 454.43 | 6" IE IN (E) = 451.25 8" IE OUT (W) = 451.25 |
| SDCB-05 | VALLEY GUTTER CATCH BASIN | 453.00 | 8" IE OUT (E) = 451.33 |
| SDCB-06 | VALLEY GUTTER CATCH BASIN | 454.00 | 6" IE OUT (W) = 451.93 |
| SDCB-09 | LYNCH STYLE CATCH BASIN | 452.50 | 8" IE OUT (SW) = 450.13 |
| SDCB-10 | VALLEY GUTTER CATCH BASIN | 455.90 | 8" IE OUT (E) = 451.41 |
| SDCO-01 | CLEANOUT | 455.06 | 8" IE OUT (E) = 453.02 |
| SDCO-02 | CLEANOUT | 453.31 | 6" IE IN (E) = 451.59 6" IE OUT (W) = 451.59 |
| SDCO-03 | CLEANOUT | 452.66 | 18" IE IN (E) = 450.10 18" IE IN (N) = 450.10 |
| SDCO-04 | CLEANOUT | 452.57 | 18" IE OUT (W) = 450.02 18" IE OUT (S) = 450.02 |
| SDCO-05 | CLEANOUT | 450.38 | 6" IE IN (E) = 447.26 6" IE OUT (W) = 447.26 |
| SDCO-06 | CLEANOUT | 450.38 | 6" IE OUT (W) = 447.89 |
| SDMH-02 | STORM SEWER MANHOLE | 461.09 | 15" IE IN (N) = 454.30 15" IE OUT (SW) = 454.10 |
| SDMH-03 | STORM SEWER MANHOLE | 457.89 | 15" IE IN (NE) = 453.08 15" IE OUT (W) = 452.88 8" IE IN (S) = 453.08 |
| SDMH-04 | STORM SEWER MANHOLE | 459.01 | 8" IE IN (W) = 452.75 18" IE OUT (S) = 451.80 15" IE IN (E) = 451.97 |
| SDMH-05 | STORM SEWER MANHOLE | 456.87 | 18" IE IN (N) = 451.21 18" IE OUT (S) = 451.21 |
| SDMH-06 | STORM SEWER MANHOLE | 455.27 | 8" IE IN (E) = 451.17 8" IE IN (W) = 450.95 18" IE OUT (S) = 450.42 18" IE IN (N) = 450.50 |
| SDOS-01 | OVERFLOW STRUCTURE W/ 4.8" DIA. ORIFICE | 450.88 | 18" IE OUT (SW) = 446.63 6" IE IN (E) = 446.63 |

REFER TO LANDSCAPE PLANS FOR PARKING LOT DEMOLITION, GRADING, AND PAVING PLANS

CROSSING NOTICE:
PROPOSED STORM LINE CROSSES EXISTING UTILITY. POT HOLE AND FIELD VERIFY LOCATION AND DEPTH OF EXISTING UTILITY PRIOR TO STORM CONSTRUCTION

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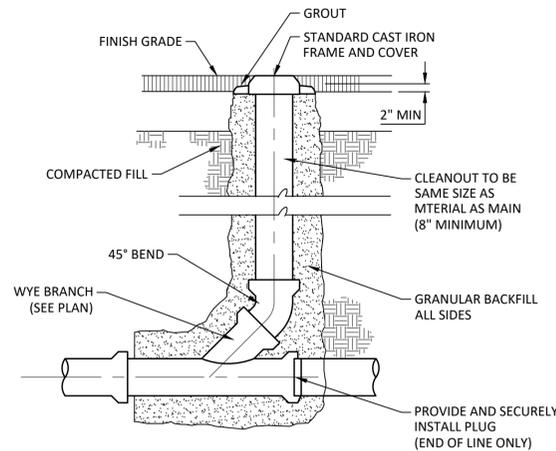
REGISTERED PROFESSIONAL ENGINEER
NOV. 12, 2007
PRELIMINARY
OREGON
KIMBERLY ANN SHERPA
EXPIRES: 06/30/2024

CLACKAMAS COUNTY COURTHOUSE LOOP ROAD EXTENSION & PARKING LOT
CLACKAMAS COUNTY, OR
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11/21/2023 REVISIONS
2 11/21/23 PERMIT REVISION 2
3 12/28/23 PERMIT REVISION 3
4 01/08/23 BID ADDENDUM

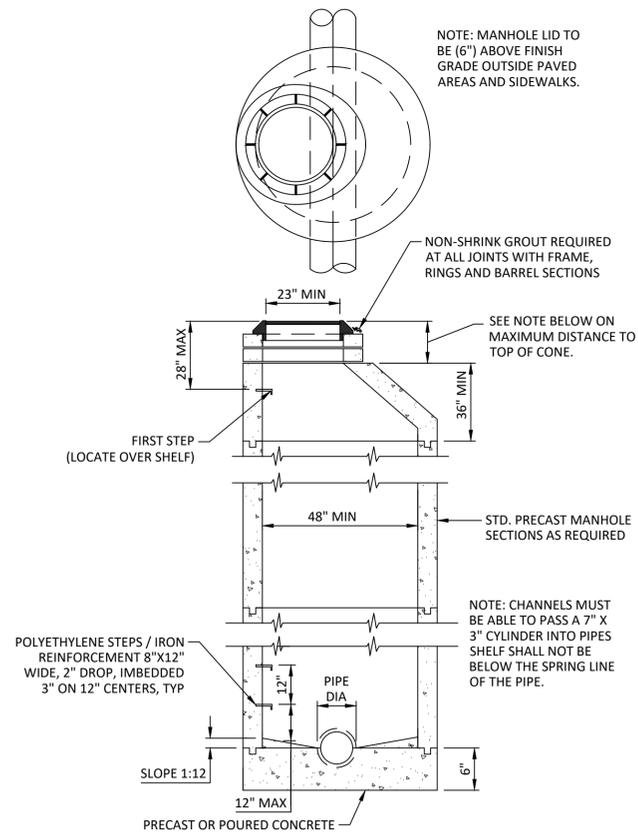
74-23103-00
STORM PLAN

C-161



STANDARD CLEANOUT

NTS



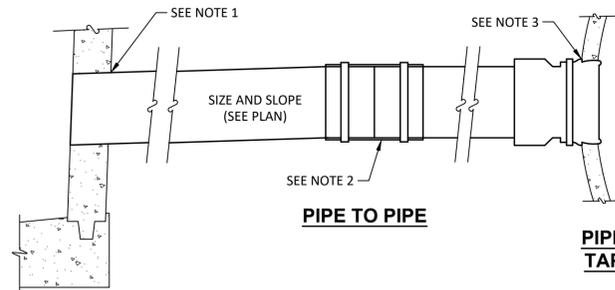
FOR STORM SEWER MANHOLES AND SANITARY MANHOLES AS NOTED ON THE PLANS 6" TO 21" PIPE

NOTE:

1. THE MAXIMUM DISTANCE FROM FINISH GRADE TO TOP OF MANHOLE CONE SHALL BE 24". FOR EXISTING MANHOLES WHICH REQUIRE ADJUSTMENT THAT WOULD EXCEED 24", THE MANHOLE SHALL BE RECONSTRUCTED TO ADD A 48" MANHOLE SECTION.
2. ROTATE CONE SO THAT MANHOLE FRAME AND COVER IS NOT IN THE WHEEL LINE.

48" MANHOLE

NTS



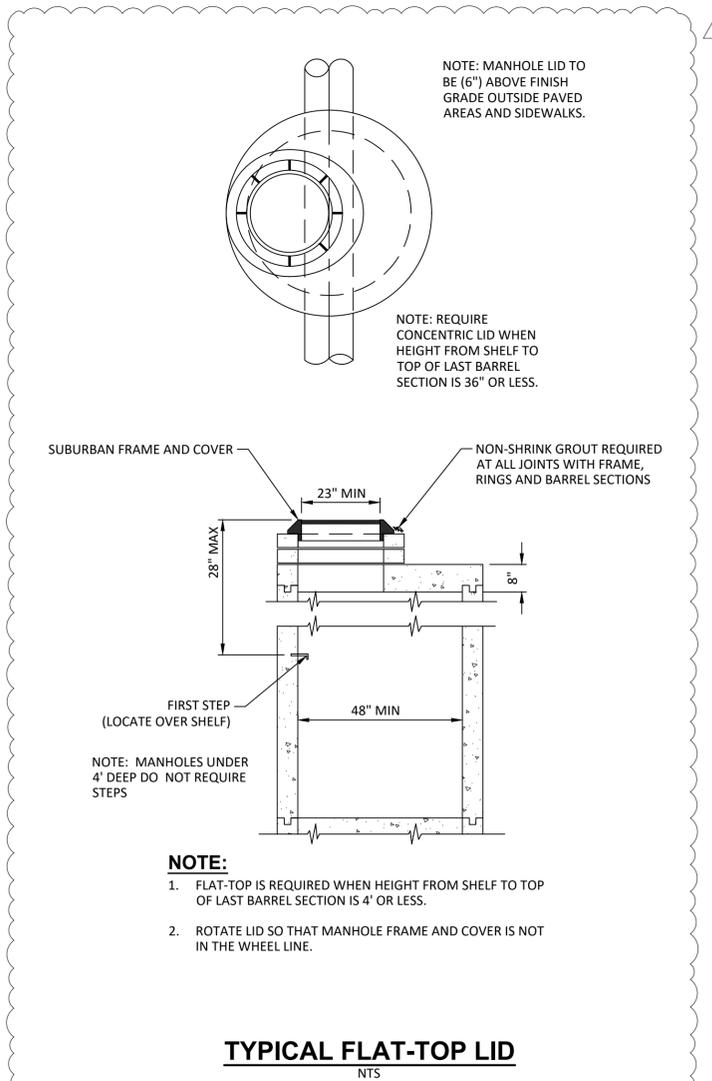
MANHOLE OR CATCH BASIN

NOTES:

1. BREAK OUT WALL 2" MIN., 4" MAX. CLEAR OF PIPE WALL. GROUT SPACE WITH NON-SHRINK GROUT. FOR SANITARY CONNECTION INSTALL SAND COLLAR AS DIRECTED BY WATER ENVIRONMENT SERVICES (WES).
2. USE "FERNCO" FLEXIBLE COUPLING WITH STAINLESS STEEL CLAMPS OR APPROVED EQUAL AS REQUIRED.
3. CUT HOLE INTO PIPE AND INSTALL "FOWLER" SEWER BOOT TAP OR APPROVED EQUAL.

PIPE CONNECTION

NTS

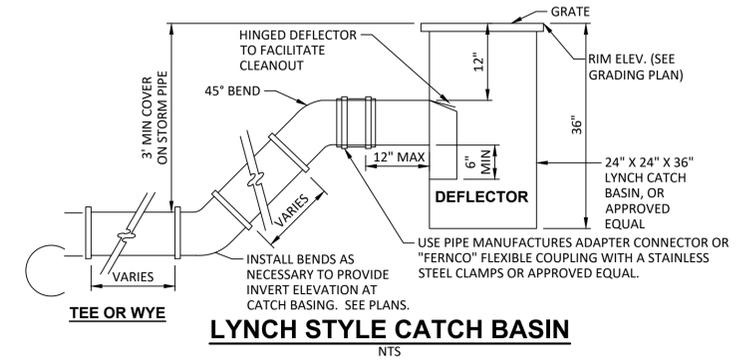


NOTE:

1. FLAT-TOP IS REQUIRED WHEN HEIGHT FROM SHELF TO TOP OF LAST BARREL SECTION IS 4" OR LESS.
2. ROTATE LID SO THAT MANHOLE FRAME AND COVER IS NOT IN THE WHEEL LINE.

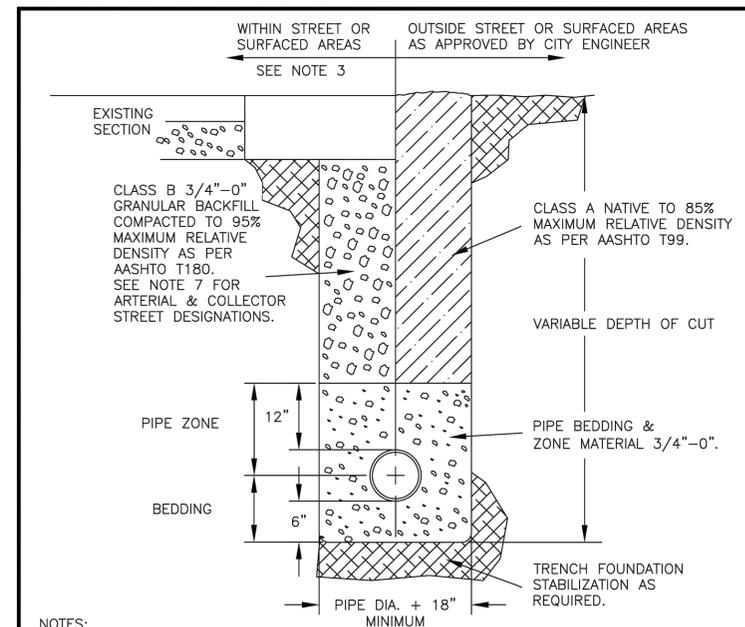
TYPICAL FLAT-TOP LID

NTS



LYNCH STYLE CATCH BASIN

NTS



NOTES:

1. ALL CUTS IN PAVEMENT SHALL BE SAW CUT.
2. ALL PAVEMENT PATCH JOINTS AND ALL CUT EDGES SHALL BE SAND SEALED PER ODOT SPECS AND OREGON CITY SPECIAL PROVISIONS SEC-00744.51.
3. REFER TO OREGON CITY PAVEMENT CUT STANDARDS AND STANDARD DETAIL DRAWINGS 532, 533 & 534.
4. THIS TRENCH BACKFILL REQUIREMENT APPLIES TO ALL UNDERGROUND CONDUITS.
5. CLASS "B" BACKFILL SHALL EXTEND 3 FEET BEYOND EDGE OF STREET OR SURFACED AREA.
6. BACKFILL SHALL BE PLACED AND COMPACTED IN A MAX. OF 24-INCH LIFTS. COMPACTION TESTING REQUIRED AT A FREQUENCY OF 1 TEST EVERY 100 FEET OF TRENCH MINIMUM.
7. EXISTING ARTERIAL & COLLECTOR STREET DESIGNATIONS REQUIRE CLSM (aka CDF) PER ODOT STANDARDS, SEC-00442 FOR ALL TRENCH TRANSVERSE OR PERPENDICULAR CROSSINGS OF VEHICLE TRAVEL LANES.

| | | | |
|--|----|-------------|--------------|
| Public Works Standard Drawings | | SCALE | NTS |
| PIPE BEDDING AND TRENCH BACKFILL - STORM & SANITARY SEWER & WATER PIPE | | DATE | JAN '23 REV. |
| ENGR. | DW | DRAWN | KAE |
| | | DRAWING NO. | 313 |

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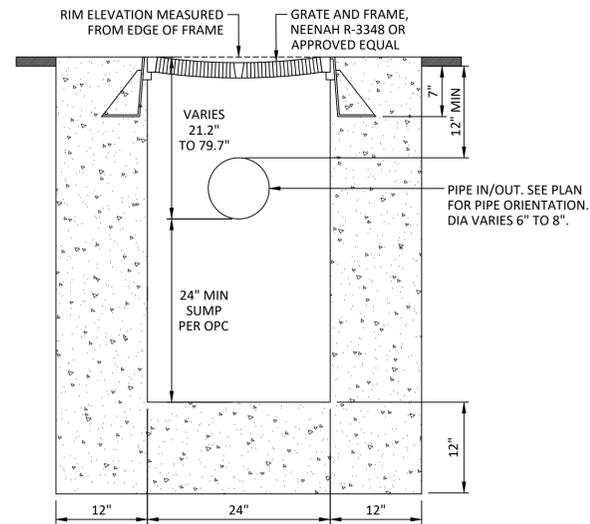
EXPIRES: 06/30/2024

CLACKAMAS COUNTY COURTHOUSE LOOP ROAD EXTENSION & PARKING LOT F

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1000 COURTHOUSE ROAD
OREGON CITY, OR 97045
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11/21/2023 REVISIONS
4 0168/24 BID ADDENDUM

74-23103-00
STORM DETAILS

C-162

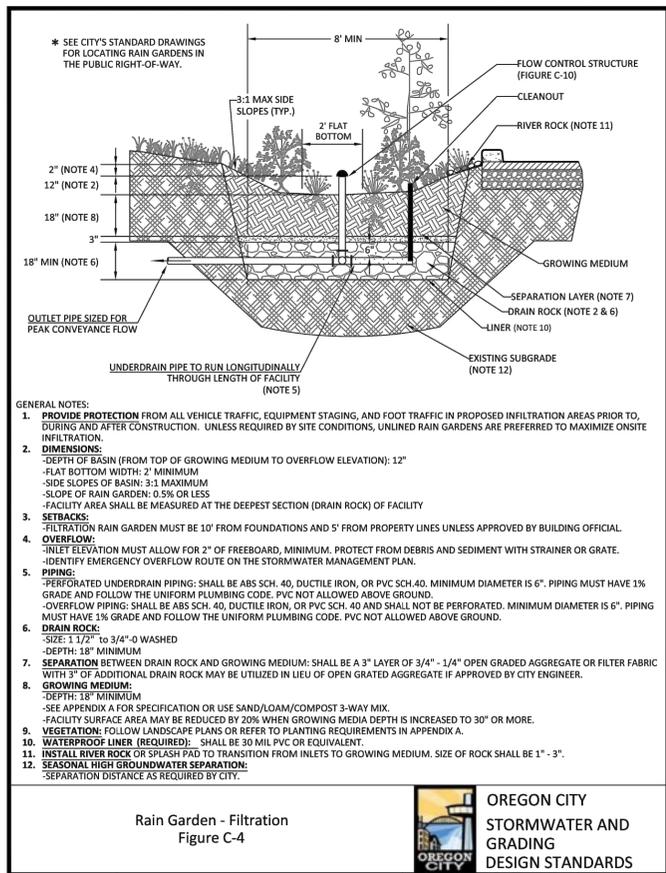
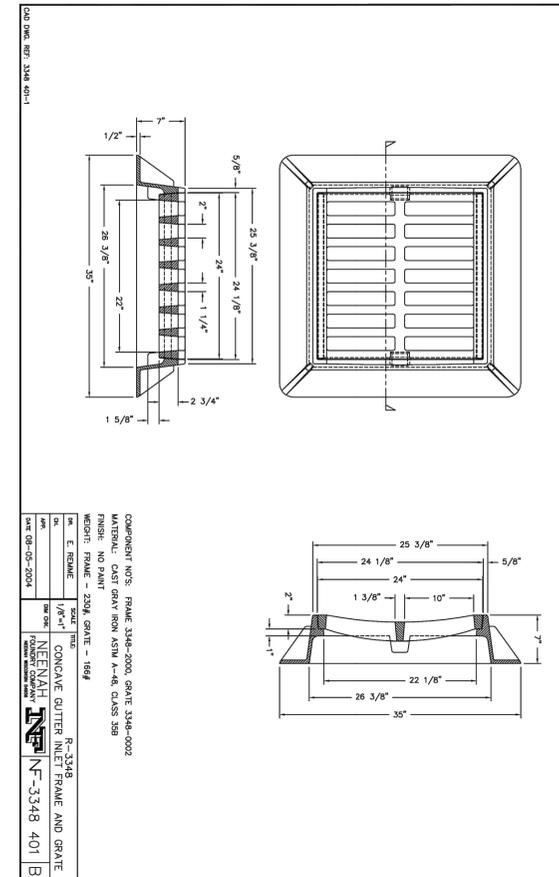


NOTES:

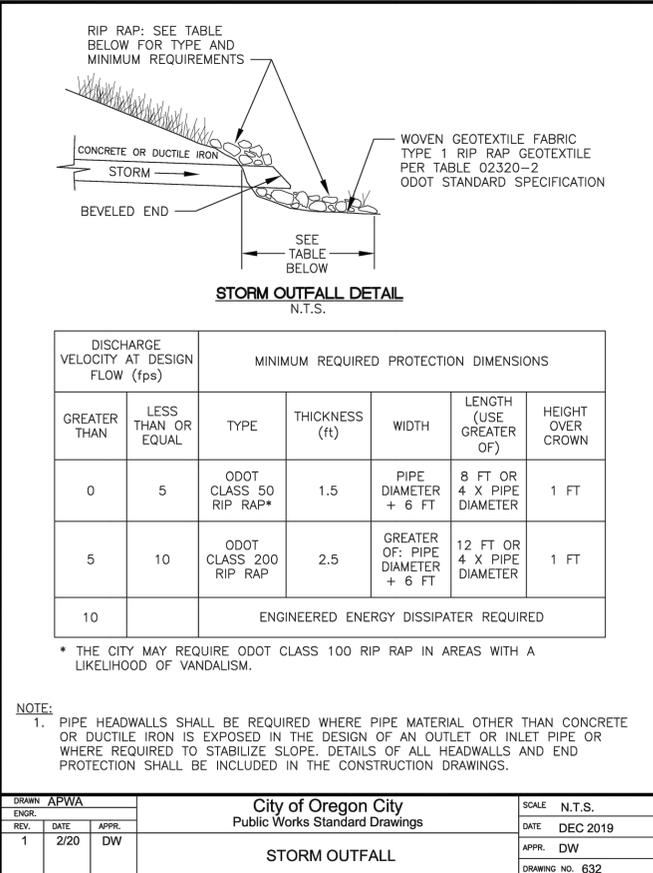
1. PRECAST OR POURED IN PLACE CONCRETE STRUCTURE. CONCRETE SHALL HAVE A 28-DAY ULTIMATE STRENGTH OF 4000 PSI. ALL STEEL REINFORCING TO BE GRADE 60 (#4 BARS 6" ON CENTER)
2. INSTALL SNOOT OR DOWNTURN PIPE ELBOW WITH MINIMUM 6" LENGTH DOWNTURN WATER SEAL ON OUTLET PIPE.

CONCRETE VALLEY GUTTER CATCH BASIN

N.T.S.



Rain Garden - Filtration
Figure C-4



City of Oregon City
Public Works Standard Drawings

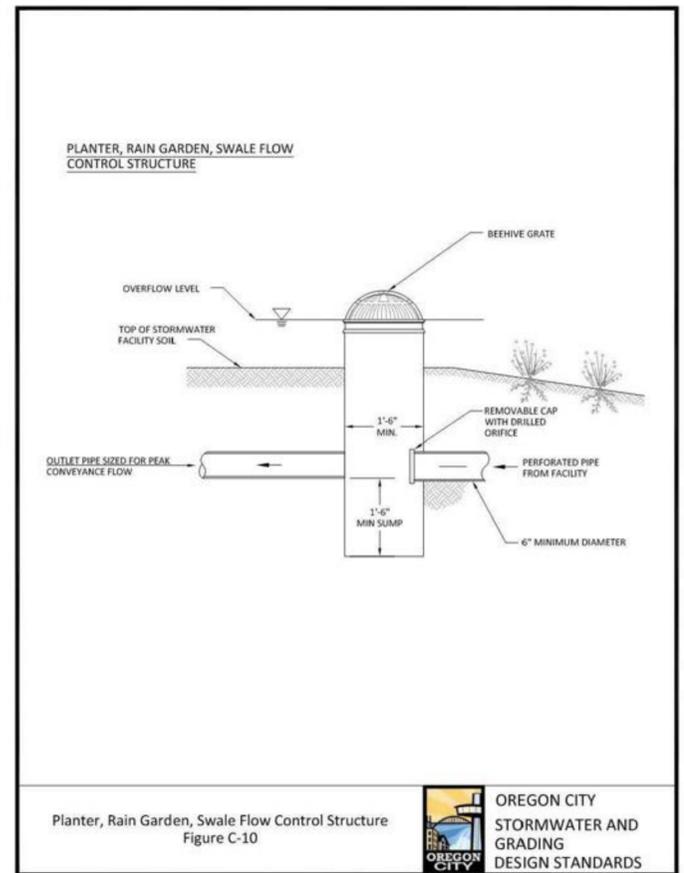
SCALE: N.T.S.

DATE: DEC 2019

APP. DW

DRAWING NO. 632

STORM OUTFALL



Planter, Rain Garden, Swale Flow Control Structure
Figure C-10



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3 12/28/23 PERMIT REVISION 3

74-23103-00
STORM DETAILS

SIGNING LEGEND

N INSTALL NEW SIGN (N).

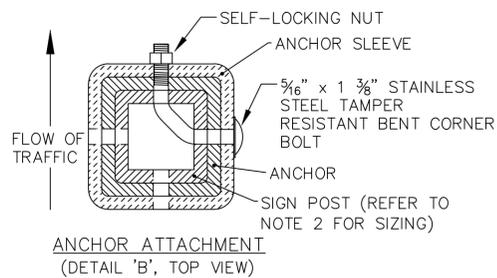
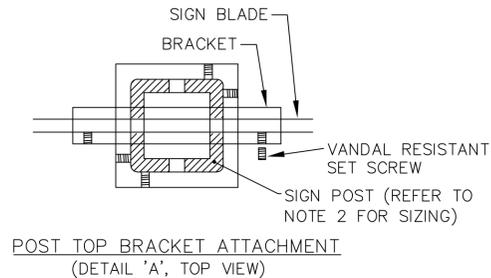
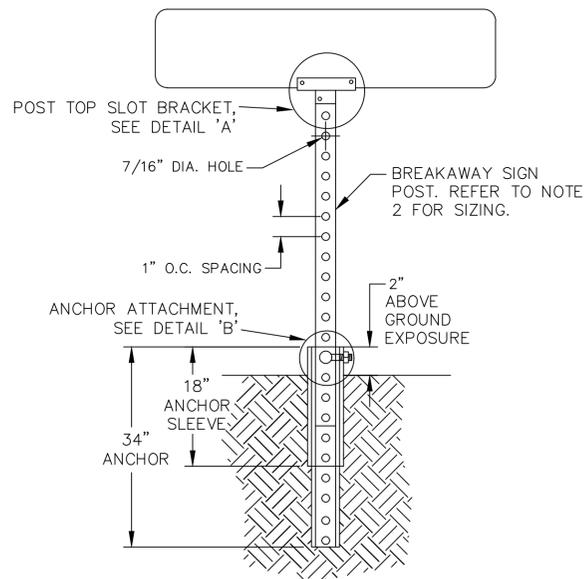
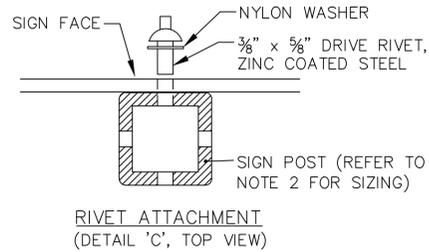
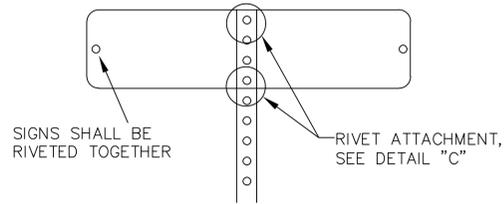
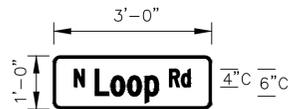
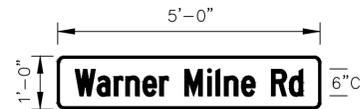
N
M INSTALL NEW SIGN (N) ON NEW (M) SIGN SUPPORT.

N = SIGN NUMBER
M = MATERIAL

MATERIAL OPTIONS:
ST = PERFORATED STEEL SQUARE TUBE



R1-1
SIGN NO. 1



SIGNING MATERIALS:

1. ALL SIGN MATERIALS SHALL CONFORM TO THE CURRENT MUTCD AND ODOT STANDARD SPECIFICATIONS.
2. GROUND MOUNTED: GREEN TYPE III OR TYPE IV BACKGROUND WITH SILVER-WHITE TYPE III OR TYPE IV PERMANENT LEGEND, OR SILVER-WHITE TYPE III OR TYPE IV SHEETING BACKGROUND OVERLAID WITH GREEN TRANSPARENT PASTE BACKGROUND WITH RETROREFLECTIVE SILVER-WHITE SCREENED LEGEND.
3. OVERHEAD MOUNTED: GREEN TYPE III OR TYPE IV SHEETING BACKGROUND WITH WHITE TYPE IX PERMANENT LEGEND.
4. PRIVATE STREETS: SILVER-WHITE TYPE III OR TYPE IV SHEETING BACKGROUND WITH BLACK NONREFLECTIVE SCREENED, CUT-OUT PERMANENT LEGEND.

SIGNING NOTES:

1. SIGN COMBINATION AND MINIMUM SIGN MOUNTING HEIGHT SHALL DETERMINE POST LENGTH. A 10' (MIN.) POST SHALL BE USED. A COMBINATION OF SIGNS GREATER THAN 36" IN HEIGHT SHALL REQUIRE A 12' (MIN.) POST.
2. SIGN POST SIZING SHALL BE BASED ON OREGON STANDARD DRAWING TM681 (PERMANENT PERFORATED STEEL SQUARE TUBE TABLE - 85 MPH). THE MINIMUM POST SIZE SHALL BE 2" X 2" 12-GA. SQUARE TUBE. IF SIGN PANEL AREA IS GREATER THAN THAT ALLOWED BY A 2.5" X 2.5" 12-GA. SQUARE TUBE, THEN A 2.5" X 2.5" 10-GA. SQUARE TUBE POST SHALL BE USED, WITH A SLIP BASE FOUNDATION PER OREGON STANDARD DRAWING TM688.
3. SIGN POSTS IN CONCRETE AREAS SHALL BE INSTALLED ON SURFACE-MOUNTED BREAKAWAY BASES
4. NYLON SPACERS SHALL BE USED TO PREVENT CONTACT BETWEEN GALVANIZED STEEL AND ALUMINUM MATERIAL SURFACES

E-LA



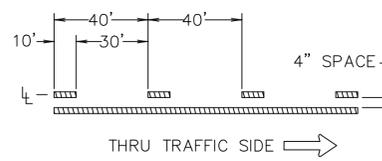
ELONGATED LEFT TURN ARROW (white)
FOR ARROW PROPORTION DETAILS, SEE CURRENT VERSION OF STANDARD HIGHWAY SIGNS

W-2



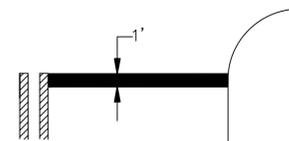
8" WHITE LINE

TWL



TWO-WAY LEFT TURN
4" YELLOW LINES

S

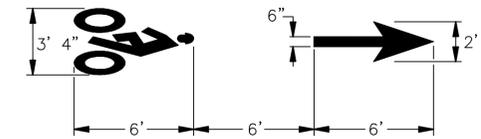


STOP BAR
1" WHITE BAR
INSTALL PER STANDARD DRAWING TM530

STRIPING NOTES:

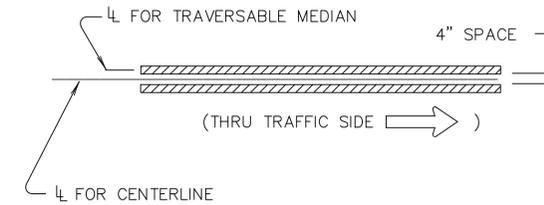
1. LOCATE CROSSWALKS AS PER ADA RAMP LOCATIONS OR 5' BACK OF EXTENDED FOG LINE, EDGE OF PAVEMENT OR CURB FACE, RAMPS MUST BE FULLY CONTAINED WITHIN THE MARKED CROSSWALK.
ALL PAVEMENT MARKING SHALL CONFORM TO THE 2021 ODOT SPECIFICATIONS CAN BE FOUND AT THE FOLLOWING WEBSITE:
https://www.oregon.gov/ODOT/Business/Pages/Standard_Specifications.aspx
2. ALL LONGITUDINAL MARKINGS MUST BE METHOD A EXTRUDED, SURFACE, NON-PROFILED, THERMOPLASTIC, UNLESS OTHERWISE NOTED.
3. MATCH POINTS TO EXISTING PAVEMENT MARKINGS AND STATION CALL-OUTS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED.
4. REMOVE ALL PAVEMENT MARKINGS THAT CONFLICT WITH THESE PLANS. PAVEMENT MARKINGS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.

BS



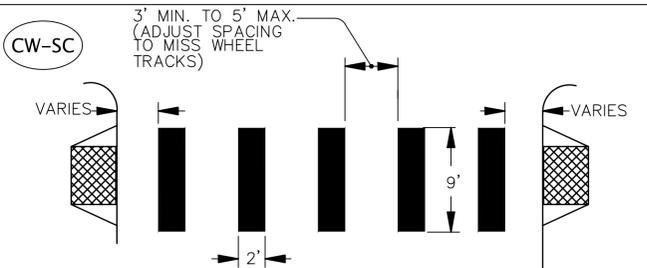
BIKE LANE STANDARD STENCIL (white)
CENTER MARKING WITHIN LANE WIDTH FOR PROPORTION DETAILS, SEE CURRENT VERSION OF STANDARD HIGHWAY SIGNS

ND



NARROW DOUBLE NO-PASS
TWO 4" YELLOW LINES

CW-SC



STAGGERED CONTINENTAL CROSSWALK
2" WHITE BARS

INSTALL PER OREGON STANDARD DRAWING TM530

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Portland, Oregon 97204
www.dksassociates.com



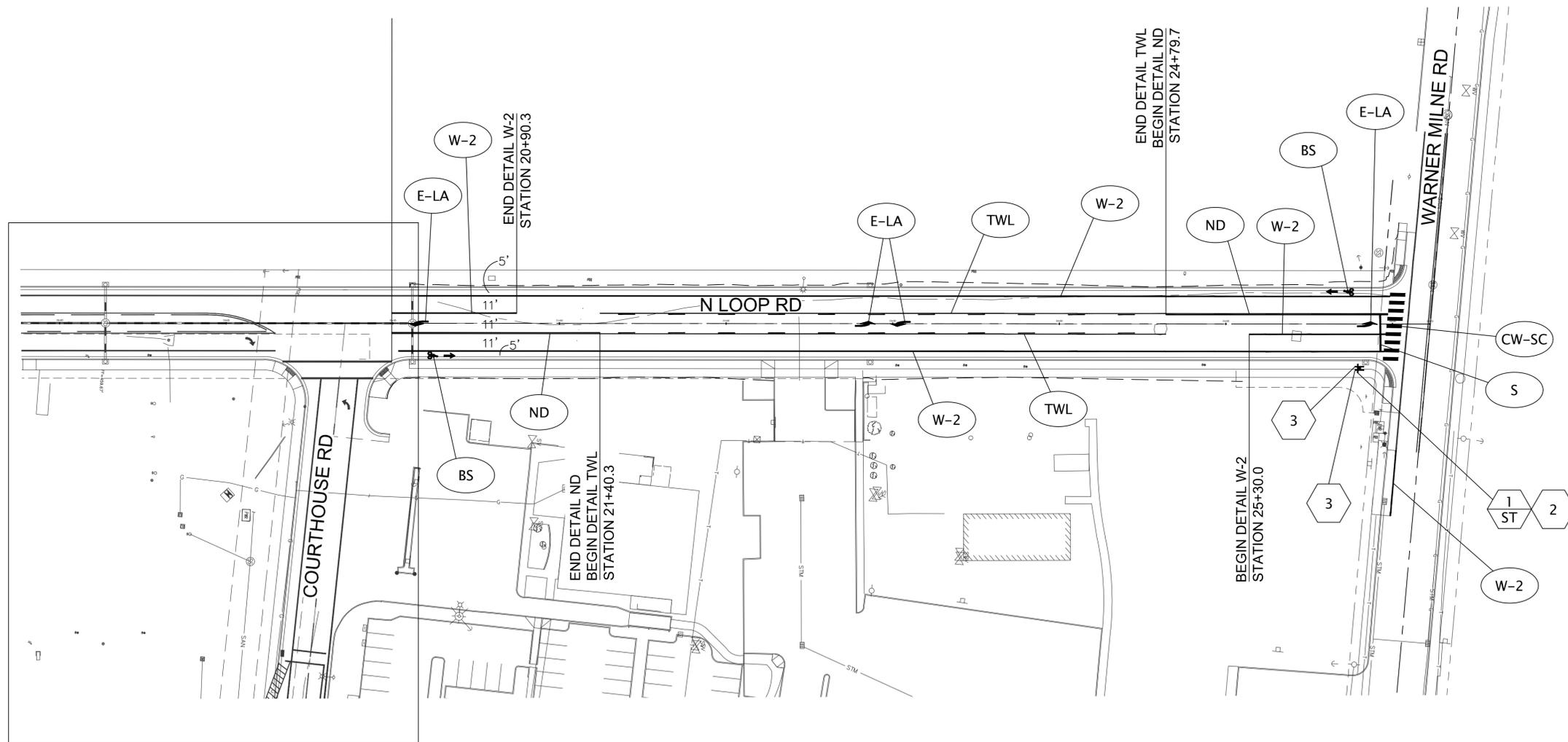
LOOP ROAD EXTENSION
& PARKING LOT F
CLACKAMAS COUNTY, OR
1000 COURTHOUSE ROAD
OREGON CITY, OR 97045

100% CD/
PERMIT SET
09/11/2023
REVISIONS

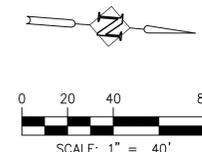
74-23103-00

LEGEND AND
DETAILS SHEET

SS-01



THIS AREA TO BE CONSTRUCTED BY ANOTHER PHASE OF THE PROJECT.



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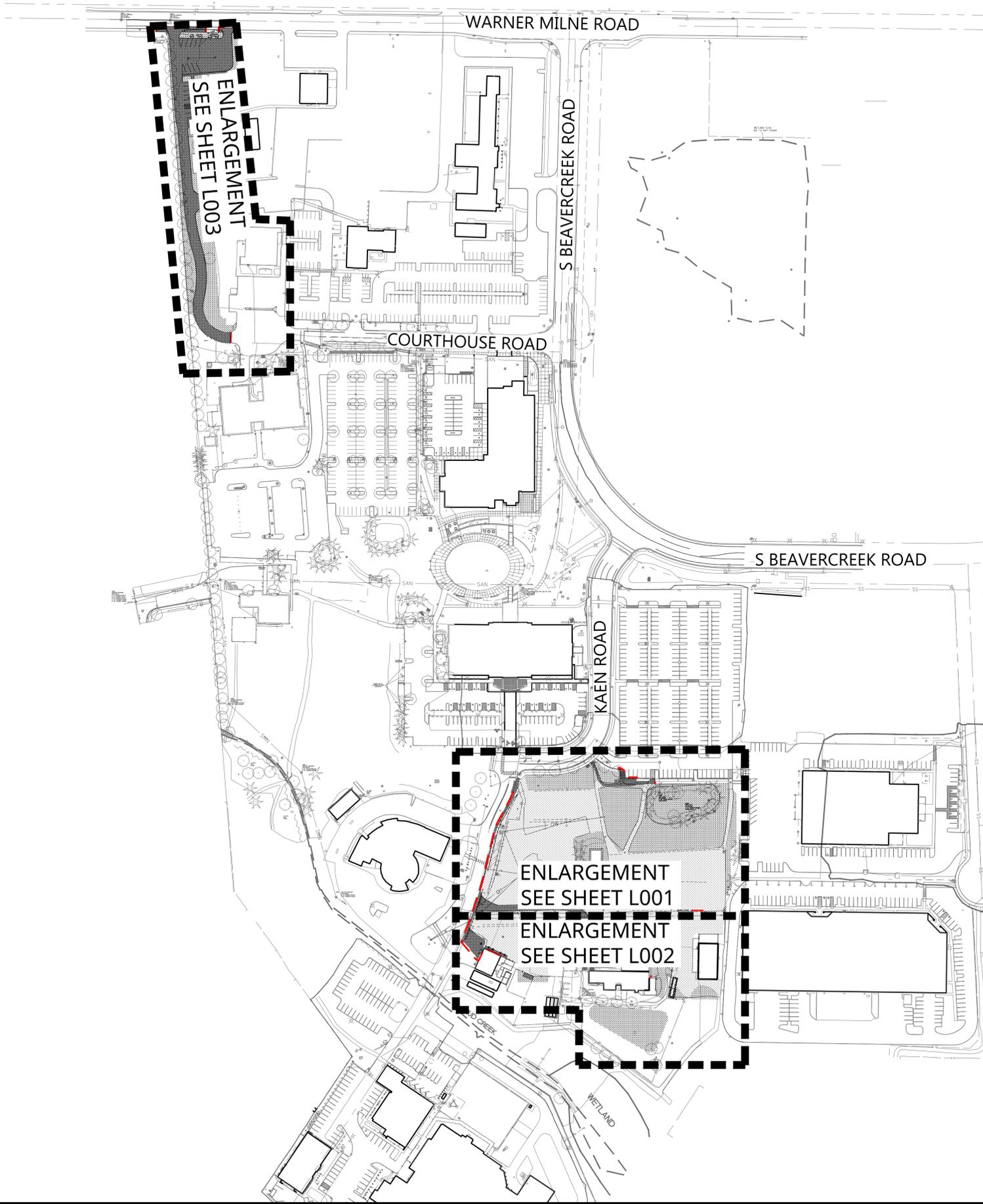
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SIGNING AND
STRIPING PLAN
SHEET

SS-02



DEMOLITION PLAN NOTES

1. All base information except tree and vegetation information provided by:
Harper Houf Peterson Righellis Inc.
205 SE Spokane Street
Suite 200
Portland, OR 97202
2. Tree Protection - Refer to Courthouse project for tree removal and protection. Based on Arborist Report by Todd Prager & Associates LLC, dated 9/14/2022
3. Refer to Oregon City Municipal Code, section 17.41.130 for regulated tree protection procedures during construction.
4. See Civil Plans for Utility demolition information.
5. Lighting removal to be coordinated with PGE. PGE work orders are listed below for this project:

PGE Work Order: **M3389458**
Customer name: Clackamas County
Site Address: 2104 Kaen Rd, Oregon City OR

PGE Work Order: **M3389477**
Customer name: Clackamas County
Site Address: 2104 Kaen Rd, Oregon City OR
6. All lighting at Kaen Rd can be replaced to meet current city requirements.
7. New meter, wiring fed from underground, lighting should be provided by general contractor, controlled and maintained by the county going forward.

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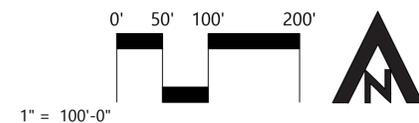
CLACKAMAS COUNTY COURTHOUSE LOOP ROAD
EXTENSION & PARKING LOT F

CLACKAMAS COUNTY, OR
1000 COURTHOUSE RD,
OREGON CITY, 97045

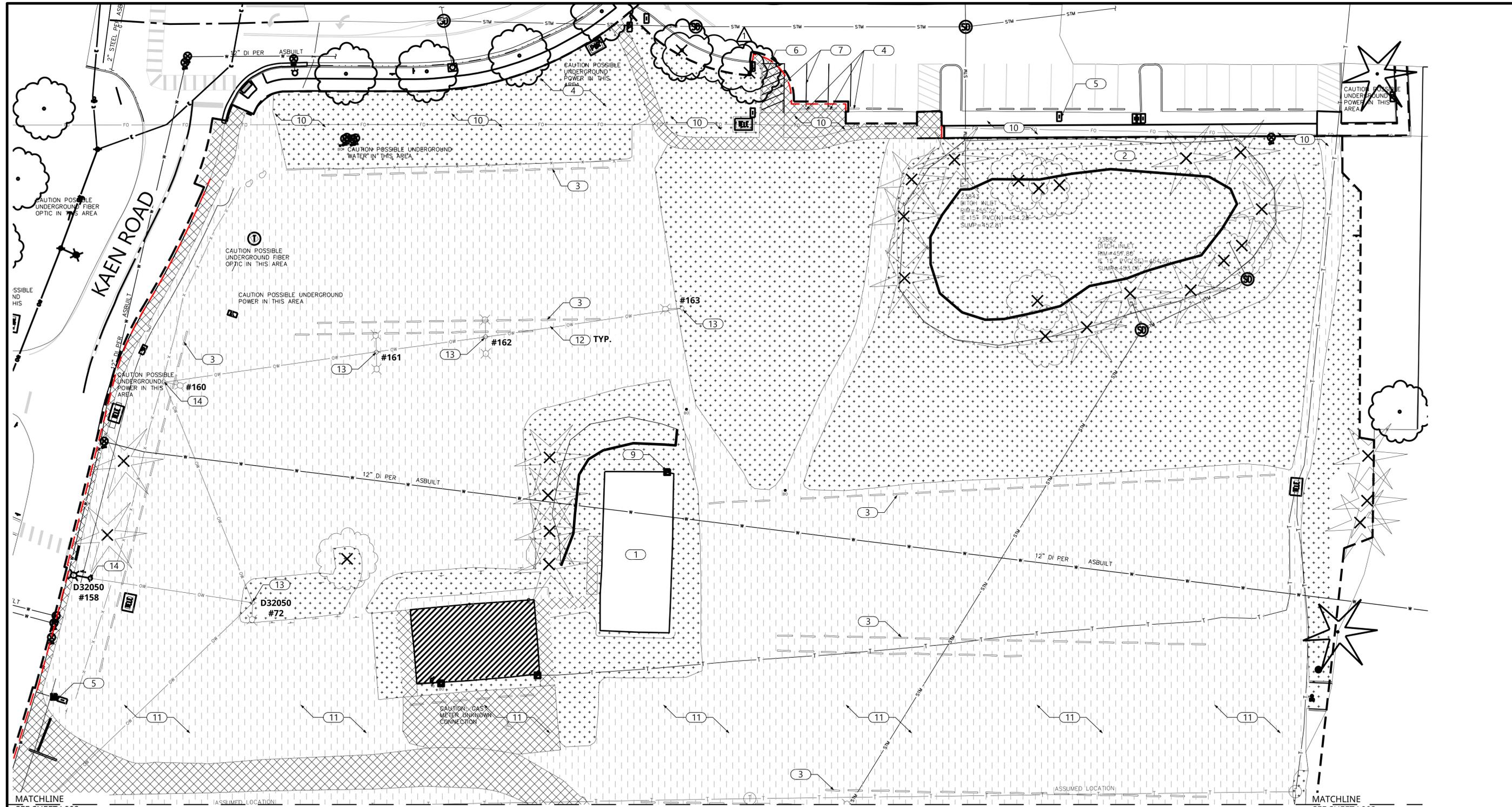
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DEMOLITION
PLAN -
OVERALL

L000



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DEMOLITION PLAN NOTES

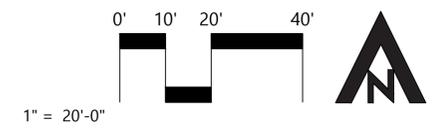
1. See Sheet L000 for Demolition Plan Notes.
2. Utility corridor location is approximate and should be confirmed before digging.
3. Existing PGE lighting and overhead lines designated for demo to be removed by PGE. Refer to Work Order #'s on sheet L000 for coordination with PGE.

LEGEND

| | | | |
|--|--|--|--|
| | LIMIT OF WORK | | EXISTING BUILDING TO BE DEMOLISHED By Others. |
| | SAWCUT LINE | | DEMO HARDSCAPE See Civil, Electrical, and Architectural for additional work. |
| | EXISTING TREES Protect to remain. | | DEMO LANDSCAPE AS REQUIRED FOR NEW IMPROVEMENTS Grub out and remove stumps. See Civil, Electrical, and Architectural for additional work. |
| | EXISTING TREES To be removed per approved permit for Clackamas County Courthouse project. See Sheets L102 and L103 on the CCC document set for reference. | | DEMO GRAVEL See Civil, Electrical, and Architectural for additional work. |

SHEET NOTES

- | | | |
|---|--|---|
| 1 RELOCATE EXISTING BUILDING PER ARCHITECTURAL. | 6 REMOVE CURB. | 13 LIGHTING TO BE REMOVED; COORDINATE WITH PGE. |
| 2 PROTECT EXISTING CONCRETE WALKWAY. | 7 REMOVE PAVEMENT MARKINGS. | 14 LIGHTING TO BE PRESERVED; COORDINATE REQUIRED UPDATES WITH PGE. |
| 3 SALVAGE AND REMOVE WHEEL STOPS FOR REUSE. REFER TO SITE PLAN FOR FINAL PLACEMENT, TYP. | 8 WATER METER TO BE PROTECTED AND CONVERTED. | |
| 4 CUT AND CAP IRRIGATION FOR LAWN AND VALVE BOX DURING CONSTRUCTION. RE-PIPE AND PLACE HEADS AT COMPLETION OF PROJECT FOR FULL AND OPERATIONAL IRRIGATION ZONE OF REVISED LAWN AREA. | 9 PROTECT EXISTING TRANSFORMER. | |
| 5 PROTECT EXISTING WATER METER AND VALVE BOXES TO EXTENT POSSIBLE, REPURPOSE FOR IRRIGATION USE. REPLACE IF DAMAGED. | 10 APPROXIMATE UTILIDOR LOCATION, VERIFY IN FIELD. | |
| | 11 APPROXIMATE UTILITY CONDUIT LOCATION, VERIFY IN FIELD. | |
| | 12 REMOVE OVERHEAD LINES; COORDINATE WITH PGE. | |



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CLACKAMAS COUNTY COURTHOUSE LOOP ROAD
EXTENSION & PARKING LOT F

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1000 COURTHOUSE RD.
OREGON CITY, 97045

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74-23103-00
**DEMOLITION
PLAN -
NORTH**

L001



MATCHLINE
SEE SHEET L001

MATCHLINE
SEE SHEET L001

KAEN ROAD

CAUTION: GAS
METER UNKNOWN
CONNECTION

CAUTION: GAS
METER UNKNOWN
CONNECTION

26619
SANITARY MANHOLE
RIM=449.81'
IE 6" PVC(N)=446.35'
IE 6" CONC(E)=446.31'
IE 6" CONC(W)=446.26'

OPEN
AIR
GARAGE

BARKDUST

DIRT PATH

6' CHAIN
LINK FENCE

6' CHAIN
LINK FENCE

6' CHAIN
LINK FENCE

DEMOLITION PLAN NOTES

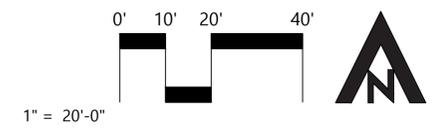
1. See Sheet L000 for Demolition Plan Notes.
2. Utility corridor location is approximate and should be confirmed before digging.
3. Existing PGE lighting and overhead lines designated for demo to be removed by PGE. Refer to Work Order #'s on sheet L000.

LEGEND

-  LIMIT OF WORK
-  SAWCUT LINE
-  EXISTING TREES
Protect to remain.
-  EXISTING TREES
To be removed per approved permit for Clackamas County Courthouse project. See Sheets L102 and L103 on the CCC document set for reference.
-  EXISTING BUILDING TO BE DEMOLISHED
By Others.
-  DEMO HARDSCAPE
See Civil, Electrical, and Architectural for additional work.
-  DEMO LANDSCAPE AS REQUIRED FOR NEW IMPROVEMENTS
Grub out and remove stumps. See Civil, Electrical, and Architectural for additional work.
-  DEMO GRAVEL
See Civil, Electrical, and Architectural for additional work.

SHEET NOTES

-  1 BUILDINGS TO BE REMOVED BY OWNER.
-  2 PROTECT EXISTING ELEMENTS
-  3 IDENTIFY WATER LINES ASSOCIATED WITH EXISTING METERS TO DETERMINE FUTURE USES
-  4 SALVAGE AND REMOVE WHEEL STOPS FOR REUSE. REFER TO SITE PLAN FOR FINAL PLACEMENT, TYP.
-  5 PROTECT EXISTING AREA DRAINS AND ASSOCIATED PIPES.
-  6 PROTECT STORAGE CONTAINER, COORDINATE WITH OWNERS REPRESENTATIVE FOR TEMPORARY LOCATION FOR CONTAINER DURING CONSTRUCTION.
-  7 OVERHEAD LINES TO BE REMOVED, COORDINATE WITH PGE.
-  8 LIGHTING TO BE REMOVED, COORDINATE WITH PGE.
-  9 LIGHTING TO BE PRESERVED, COORDINATE REQUIRED UPDATES WITH PGE.
-  10 TREES AND FENCING TO BE REMOVED BY OWNER.
-  11 IF NEEDED, TEMPORARILY REMOVE AND PROTECT FENCING DURING CONSTRUCTION. PUT BACK IN PLACE AFTER CONSTRUCTION.
-  12 REMOVE FENCING.
-  13 PROTECT EXISTING STORAGE CONTAINER AND BLOCK WALL.



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CLACKAMAS COUNTY COURTHOUSE LOOP ROAD
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OREGON CITY, 97045

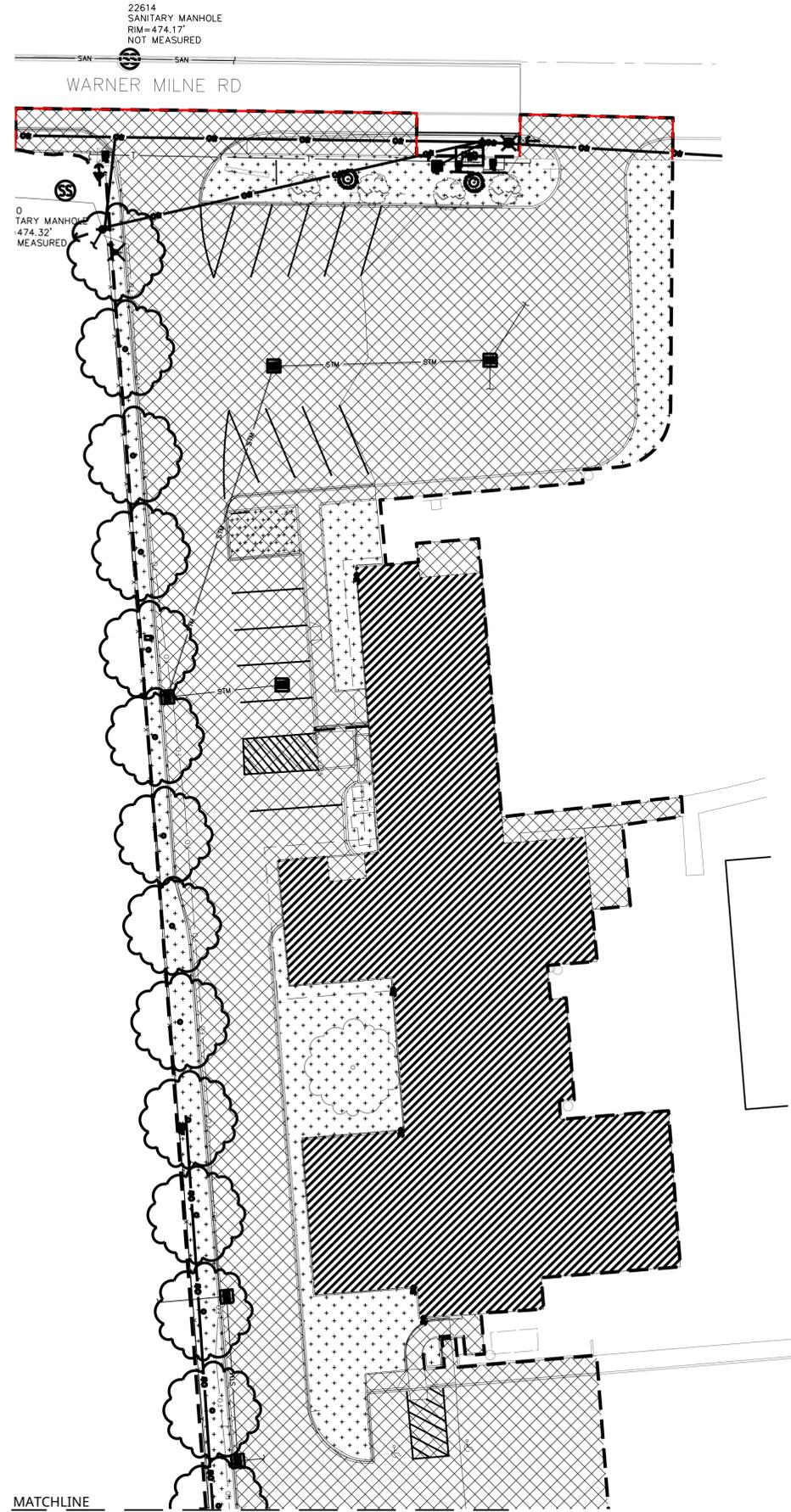
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74-23103-00
DEMOLITION
PLAN -
SOUTH

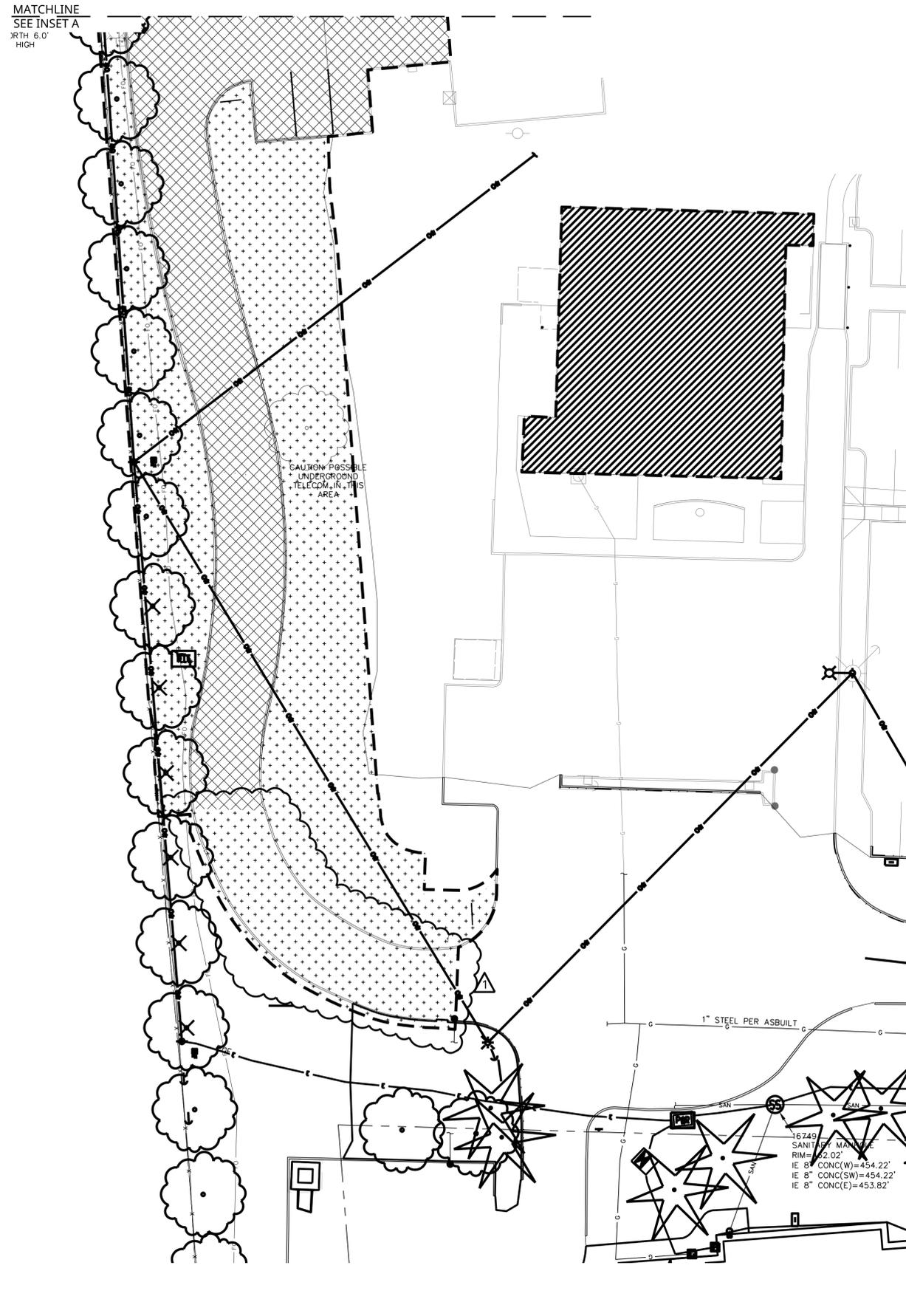
L002

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INSET A



INSET B



LEGEND

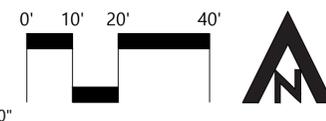
- LIMIT OF WORK
- SAWCUT LINE
- EXISTING TREES
Protect to remain.
- EXISTING TREES
To be removed per approved permit for Clackamas County Courthouse project. See Sheets L102 and L103 on the CCC document set for reference.
- EXISTING BUILDING TO BE DEMOLISHED
By Others.
- DEMO HARDSCAPE
See Civil, Electrical, and Architectural for additional work.
- DEMO LANDSCAPE AS REQUIRED FOR NEW IMPROVEMENTS
Grub out and remove stumps. See Civil, Electrical, and Architectural for additional work.
- DEMO GRAVEL
See Civil, Electrical, and Architectural for additional work.

DEMOLITION PLAN NOTES

1. See Sheet L000 for Demolition Plan Notes.

SHEET NOTES

- BUILDINGS TO BE REMOVED BY OWNER.



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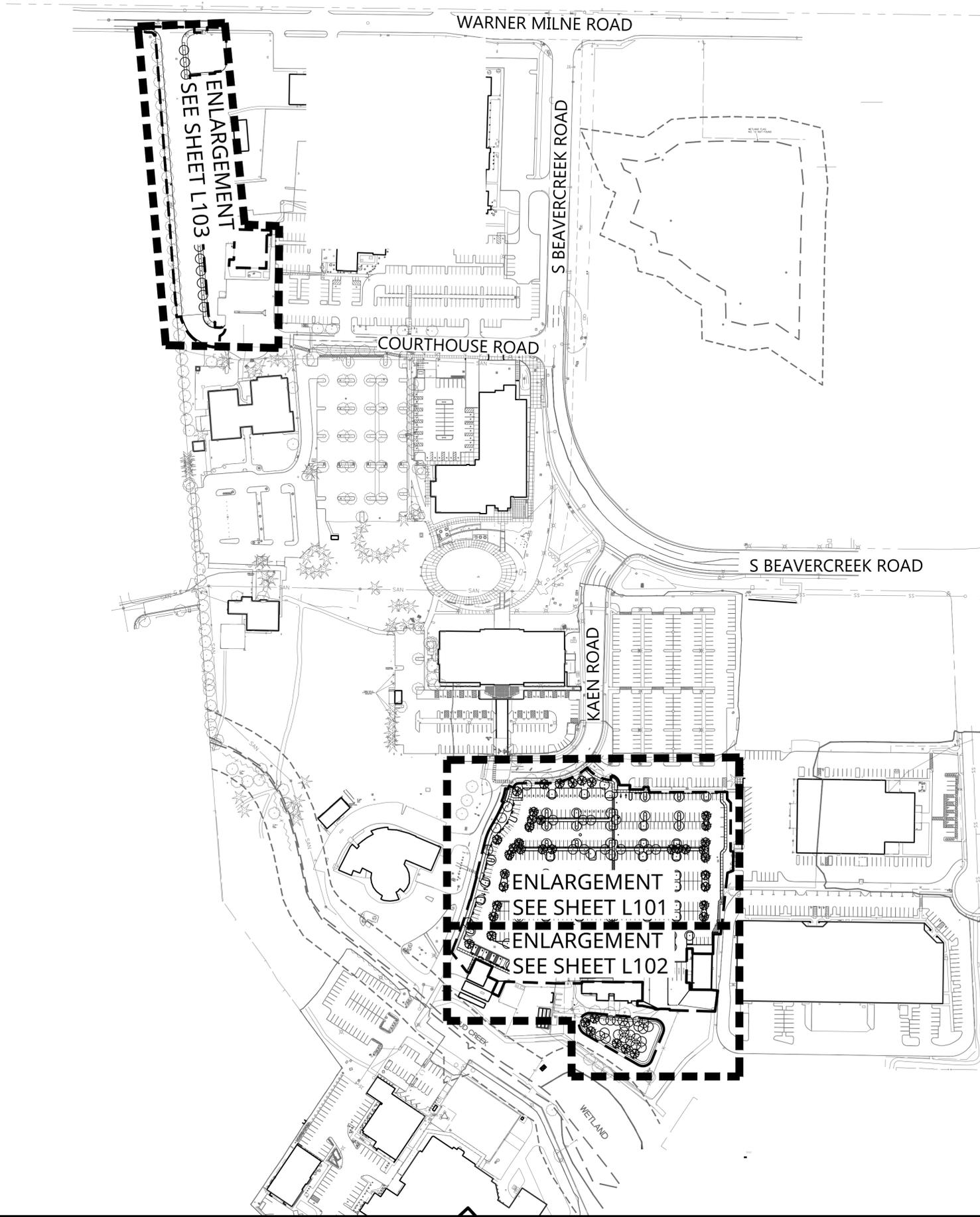
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DEMOLITION
PLAN -
LOOP ROAD

L003

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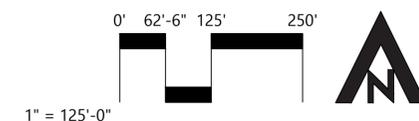
SITE PLAN NOTES

1. All survey information provided by:
HHPR
205 SE Spokane St., Suite 200
Portland, OR 97202
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 Landscape Architect. Notify Owner's Representative prior to performing any excavation within protection areas. See Preservation and Demolition Plans.
4. All accessible components including, but not limited to signs, ramps, tactile warning, markings, etc. shall conform to all Oregon Transportation Commission Standards for parking and access for the disabled, and the City of Oregon City Development Code. Obtain Owner's Representative approval prior to installing any related work.
5. Verify existing elevations where new work abuts existing to remain. Notify Owner's Representative of any discrepancies.
6. See Irrigation Mainline Plan for irrigation sleeve locations.
7. Match existing paving pattern to new concrete paving pattern at limit of work.

PARKING SUMMARY

PARKING SPACES

| | |
|---------------------------|--|
| Total Provided: 461 | Interior Planting Required: (461 x 45sf) 20,745 SF |
| Standard spaces: 286 | Interior Planting Provided: 20,823 SF |
| Compact spaces: 143 (31%) | |
| Accessible spaces: 9 | Impervious Area: 153,794 SF |
| Carpool spaces: 23 | Stormwater Planting Provided: 9804 SF |



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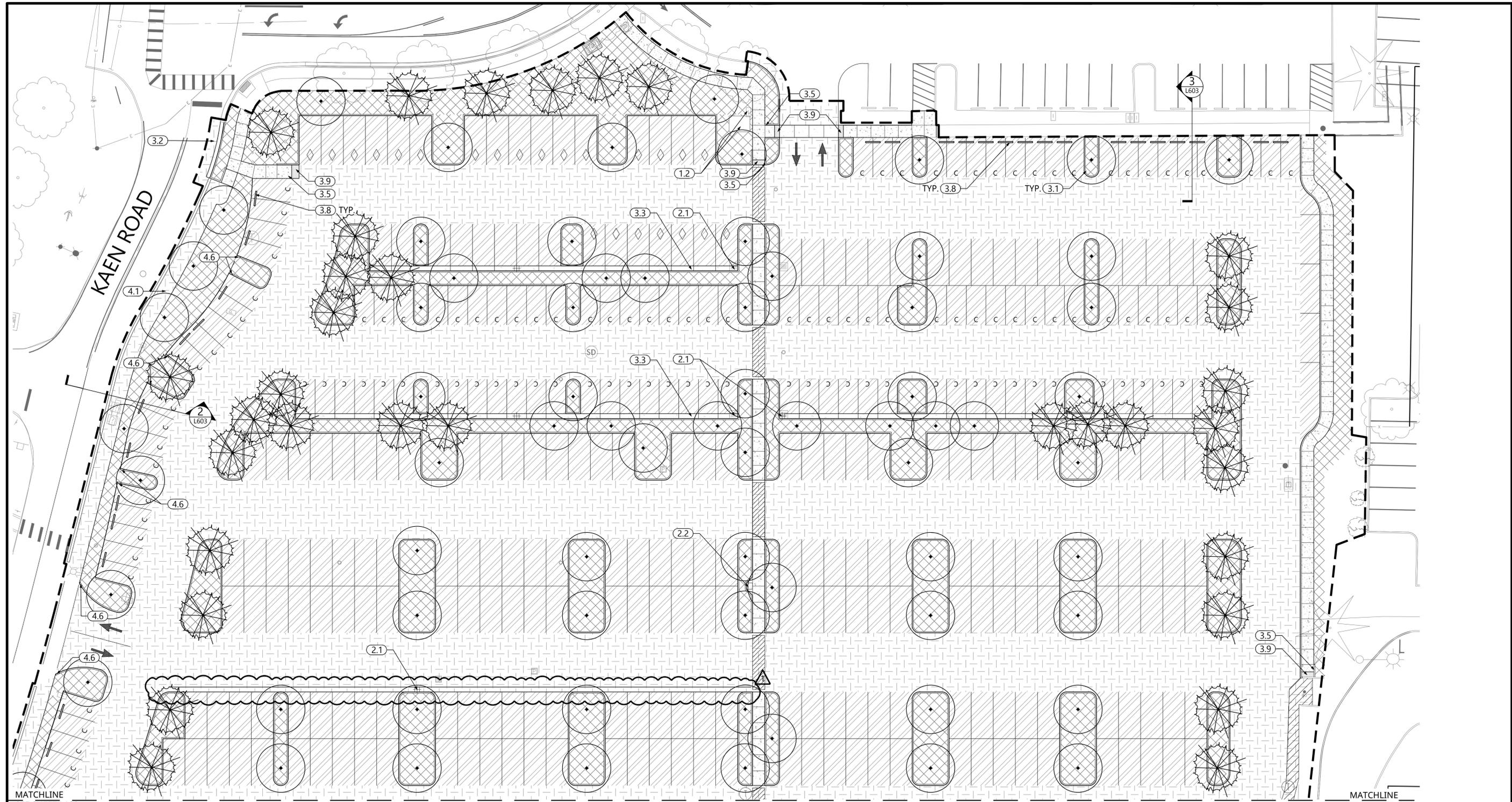
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SITE PLAN -
OVERALL

L100

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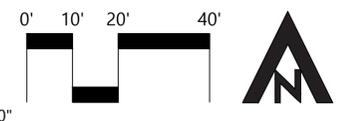
| LEGEND | |
|--------|--------------------------------------|
| | LIMIT OF WORK |
| | EXISTING TREES Protect to remain. |
| | PROPOSED CONIFEROUS TREE |
| | PROPOSED DECIDUOUS TREE |
| | ASPHALT PAVING - TYPE 1 |
| | ASPHALT PAVING - TYPE 2 |
| | CONCRETE PAVING - PEDESTRIAN |
| | CONCRETE PAVING - VEHICULAR |
| | PLANT BED |
| | STORMWATER FACILITY |
| | CRUSHED ROCK |

SITE PLAN NOTES
1. See Sheet L100 for Site Plan Notes.

| KEY NOTES | |
|--|------------------------------|
| 1. EXISTING ELEMENTS | See DEMO & PRESERVATION PLAN |
| 1.1 (E) PARKING LOT SCALE LIGHT POLE - TO REMAIN | |
| 1.2 (E) UTILITY - TO REMAIN | |
| 1.3 (E) DOOR | |
| 1.4 (E) FENCE GATE - TO REMAIN | |
| 2. OTHER CONSULTANT SCOPE | See PLANS BY OTHERS |
| 2.1 VALLEY GUTTER CATCH BASIN | See Civil |
| 2.2 PROPOSED PEDESTRIAN HEIGHT LIGHT POLE | See Electrical |
| 2.3 PROPOSED STREET/PARKING LIGHT POLE | See Electrical |
| 2.4 EMERGENCY PHONE TOWER WITH VIDEO CAPABILITY | See Electrical |

| 3. SITE PAVING / CONCRETE | | DETAIL REFERENCE |
|-------------------------------------|--|--------------------|
| 3.1 STANDARD CONCRETE CURB | | 4/L-602 |
| 3.2 CURB AND GUTTER | | 10/L-602 |
| 3.3 TYPE 1 VALLEY GUTTER | | 5/L-602 |
| 3.4 TYPE 2 VALLEY GUTTER | | 6/L-602 |
| 3.5 TYPE 1 CURB RAMP | | See Civil |
| 3.6 TYPE 2 CURB RAMP | | See Civil |
| 3.7 CRUSHED ROCK PAVING - VEHICULAR | | See Specifications |
| 3.8 CONCRETE CURB STOP | | See Specifications |
| 3.9 DETECTABLE WARNING STRIP | | See Specifications |

| 4. OTHER | |
|---|--|
| 4.1 LANE DELINEATORS AT 20'-0" O.C. SPACING | |
| 4.2 CONNECT EXISTING FENCE TO PROPOSED BUILDING | |
| 4.3 PROPOSED 6' HT. CHAINLINK FENCE | |
| 4.4 SEGMENTAL BLOCK WALL | |
| 4.5 MOUNTABLE CURB | |
| 4.6 CURB ENDING, TRANSITION LAST 18" FLUSH | |



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SITE PLAN -
NORTH

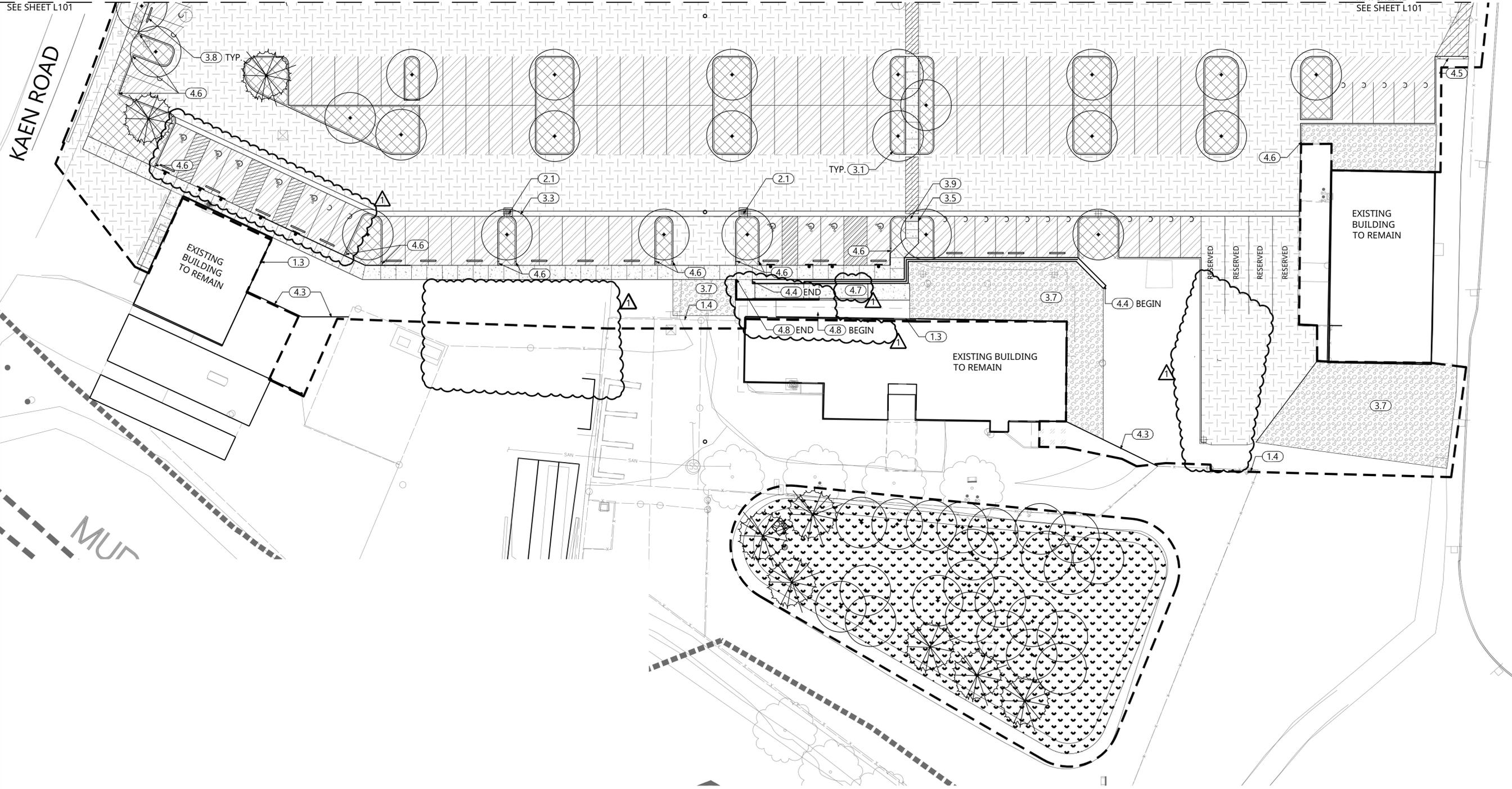
L101

MATCHLINE
SEE SHEET L101

MATCHLINE
SEE SHEET L101

KAEN ROAD

MUT



LEGEND

| | | | |
|--|--------------------------------------|--|------------------------------|
| | LIMIT OF WORK | | ASPHALT PAVING - TYPE 1 |
| | EXISTING TREES Protect to remain. | | ASPHALT PAVING - TYPE 2 |
| | PROPOSED CONIFEROUS TREE | | CONCRETE PAVING - PEDESTRIAN |
| | PROPOSED DECIDUOUS TREE | | CONCRETE PAVING - VEHICULAR |
| | | | PLANT BED |
| | | | STORMWATER FACILITY |
| | | | CRUSHED ROCK |

KEY NOTES

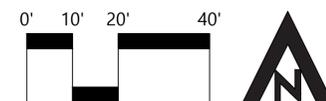
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|--|------------------------------|
| 1. EXISTING ELEMENTS | See DEMO & PRESERVATION PLAN |
| 1.1 (E) PARKING LOT SCALE LIGHT POLE - TO REMAIN | |
| 1.2 (E) UTILITY - TO REMAIN | |
| 1.3 (E) DOOR | |
| 1.4 (E) FENCE GATE - TO REMAIN | |
| 2. OTHER CONSULTANT SCOPE | See PLANS BY OTHERS |
| 2.1 VALLEY GUTTER CATCH BASIN | See Civil |
| 2.2 PROPOSED PEDESTRIAN HEIGHT LIGHT POLE | See Electrical |
| 2.3 PROPOSED STREET/PARKING LIGHT POLE | See Electrical |
| 2.4 EMERGENCY PHONE TOWER WITH VIDEO CAPABILITY | See Electrical |

- | | |
|-------------------------------------|--------------------|
| 3. SITE PAVING / CONCRETE | DETAIL REFERENCE |
| 3.1 STANDARD CONCRETE CURB | 4/L-602 |
| 3.2 CURB AND GUTTER | 10/L-602 |
| 3.3 TYPE 1 VALLEY GUTTER | 5/L-602 |
| 3.4 TYPE 2 VALLEY GUTTER | 6/L-602 |
| 3.5 TYPE 1 CURB RAMP | See Civil |
| 3.6 TYPE 2 CURB RAMP | See Civil |
| 3.7 CRUSHED ROCK PAVING - VEHICULAR | See Specifications |
| 3.8 CONCRETE CURB STOP | See Specifications |
| 3.9 DETECTABLE WARNING STRIP | See Specifications |

- | |
|---|
| 4. OTHER |
| 4.1 LANE DELINEATORS AT 20'-0" O.C. SPACING |
| 4.2 CONNECT EXISTING FENCE TO PROPOSED BUILDING |
| 4.3 PROPOSED 6' HT. CHAINLINK FENCE |
| 4.4 SEGMENTAL BLOCK WALL |
| 4.5 MOUNTABLE CURB |
| 4.6 CURB ENDING TRANSITION LAST 18" FLUSH |
| 4.7 SITE RAMP - SEE DETL 3/L605 |
| 4.8 TYPE 1 CONCRETE WALL |

SITE PLAN NOTES

1. See Sheet L100 for Site Plan Notes.



1" = 20'-0"

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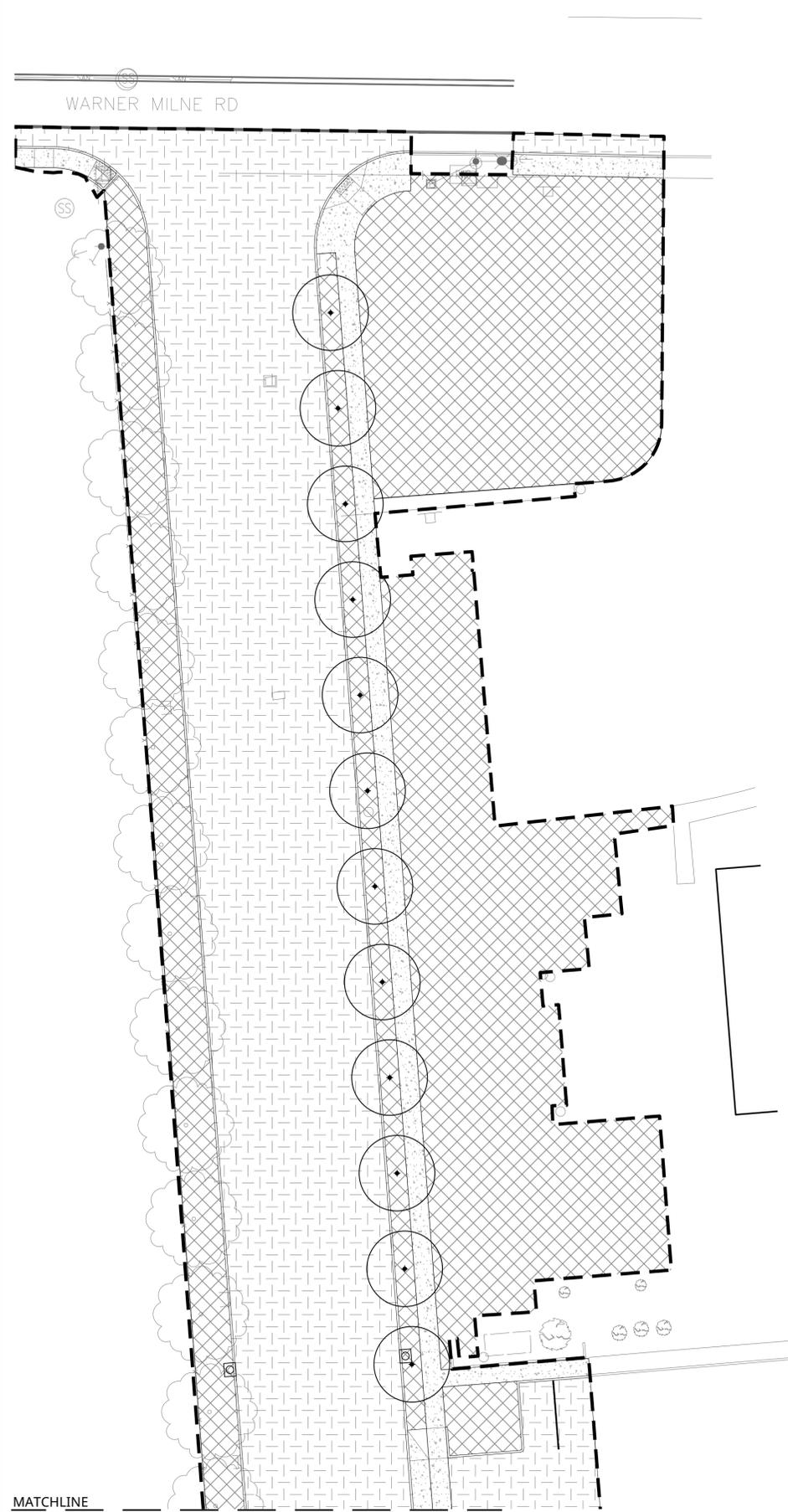
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JAN. 8, 2024

74-23103-00
SITE PLAN -
SOUTH

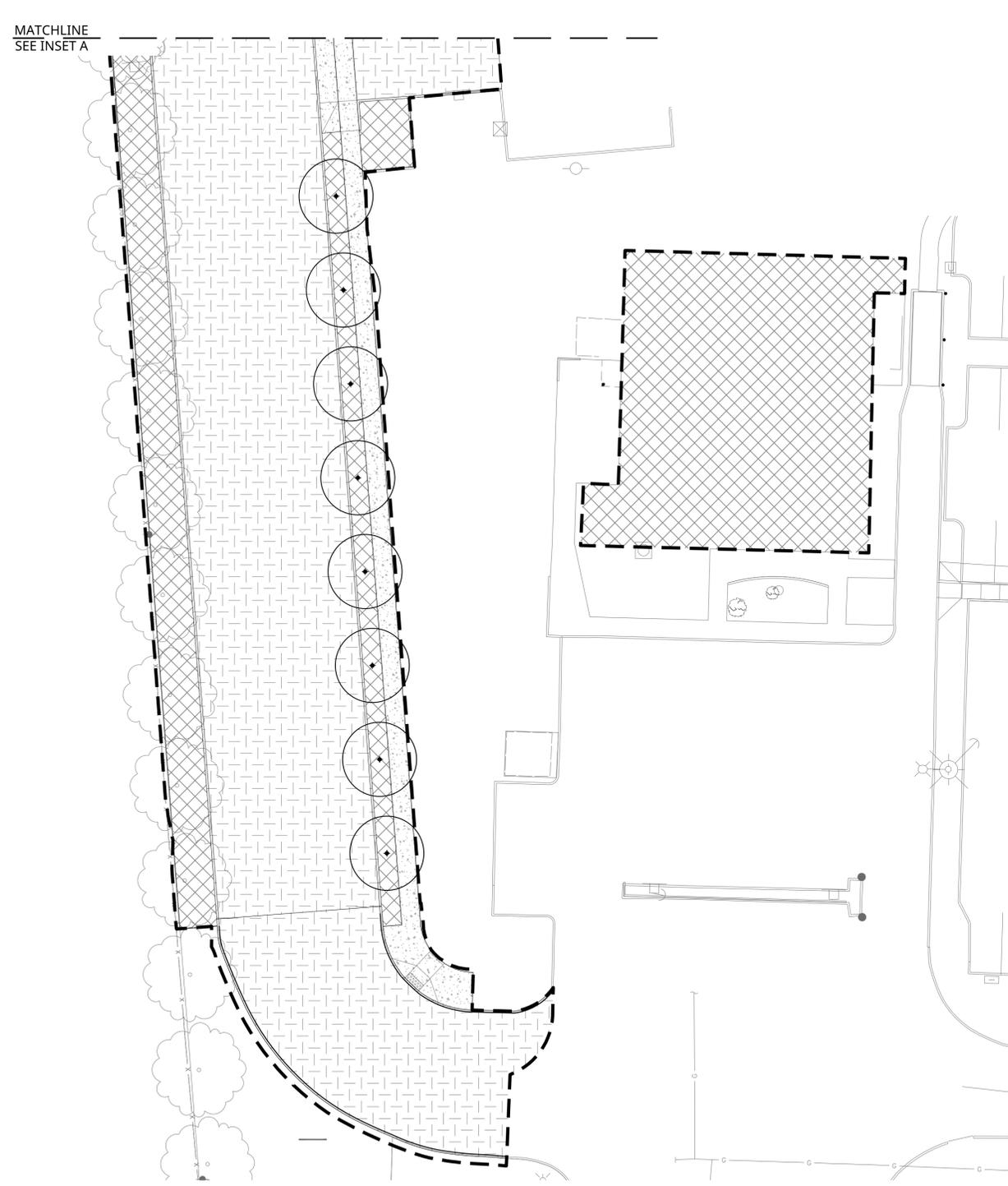
L102

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INSET A



INSET B

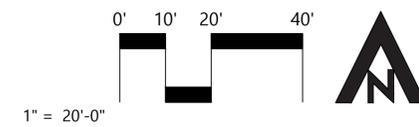


LEGEND

- LIMIT OF WORK
- EXISTING TREES
Protect to remain.
- PROPOSED CONIFEROUS TREE
- PROPOSED DECIDUOUS TREE
- ASPHALT PAVING - TYPE 1
- ASPHALT PAVING - TYPE 2
- CONCRETE PAVING - PEDESTRIAN
- CONCRETE PAVING - VEHICULAR
- PLANT BED
- STORMWATER FACILITY
- CRUSHED ROCK

SITE PLAN NOTES

1. See Sheet L100 for Site Plan Notes.



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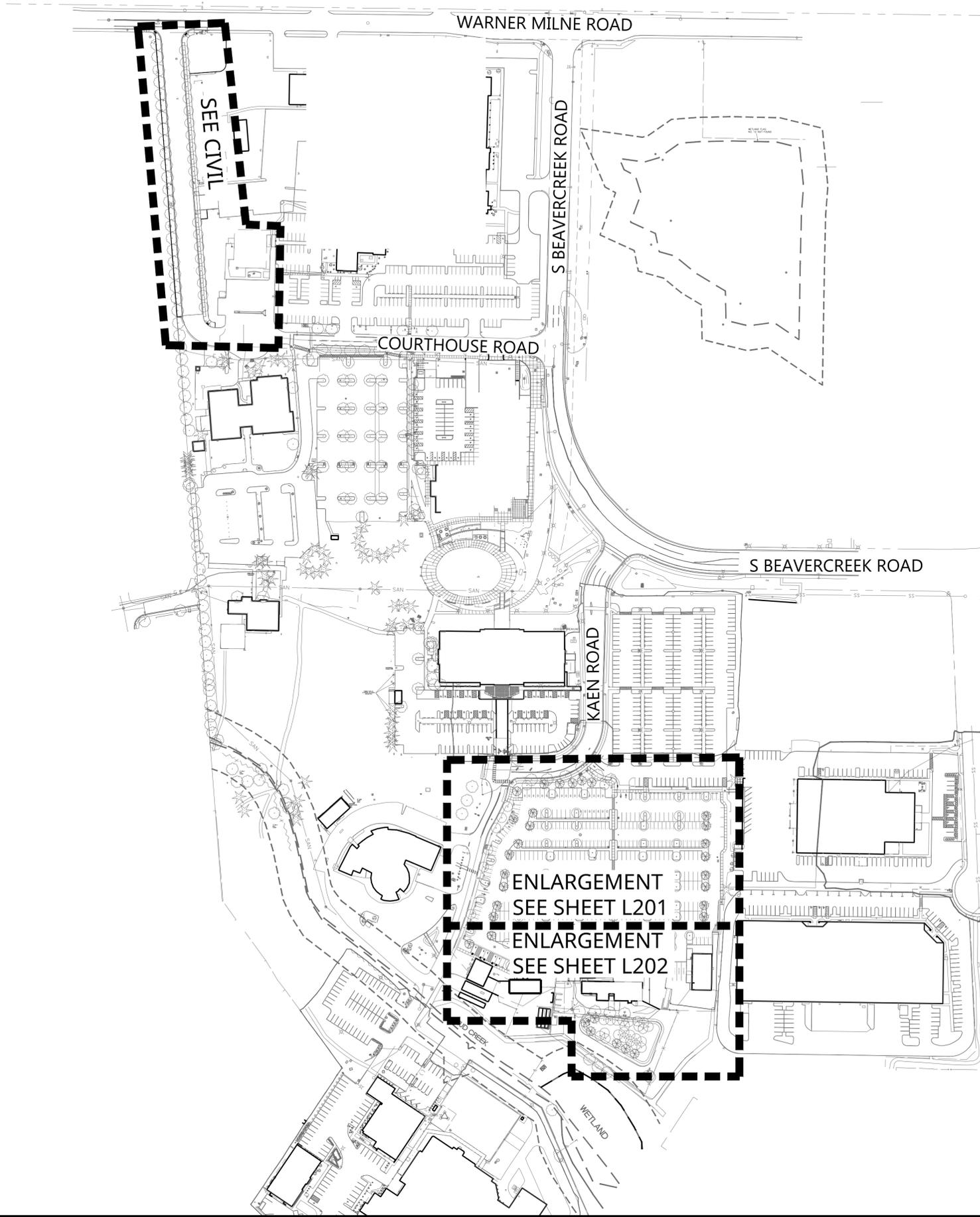
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SITE PLAN -
LOOP ROAD

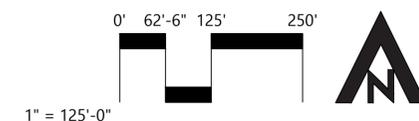
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GENERAL LAYOUT NOTES

1. All survey information provided by:
Harper Houf Peterson Righellis Inc.
205 SE Spokane Street, Suite 200
Portland, OR 97202
2. 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.
3. All concrete paving joints not specifically dimensioned shall be equally spaced between shown or noted limits.
4. All coordinates and dimensions are at face of element (curb, walk, building, or wall) unless noted otherwise.



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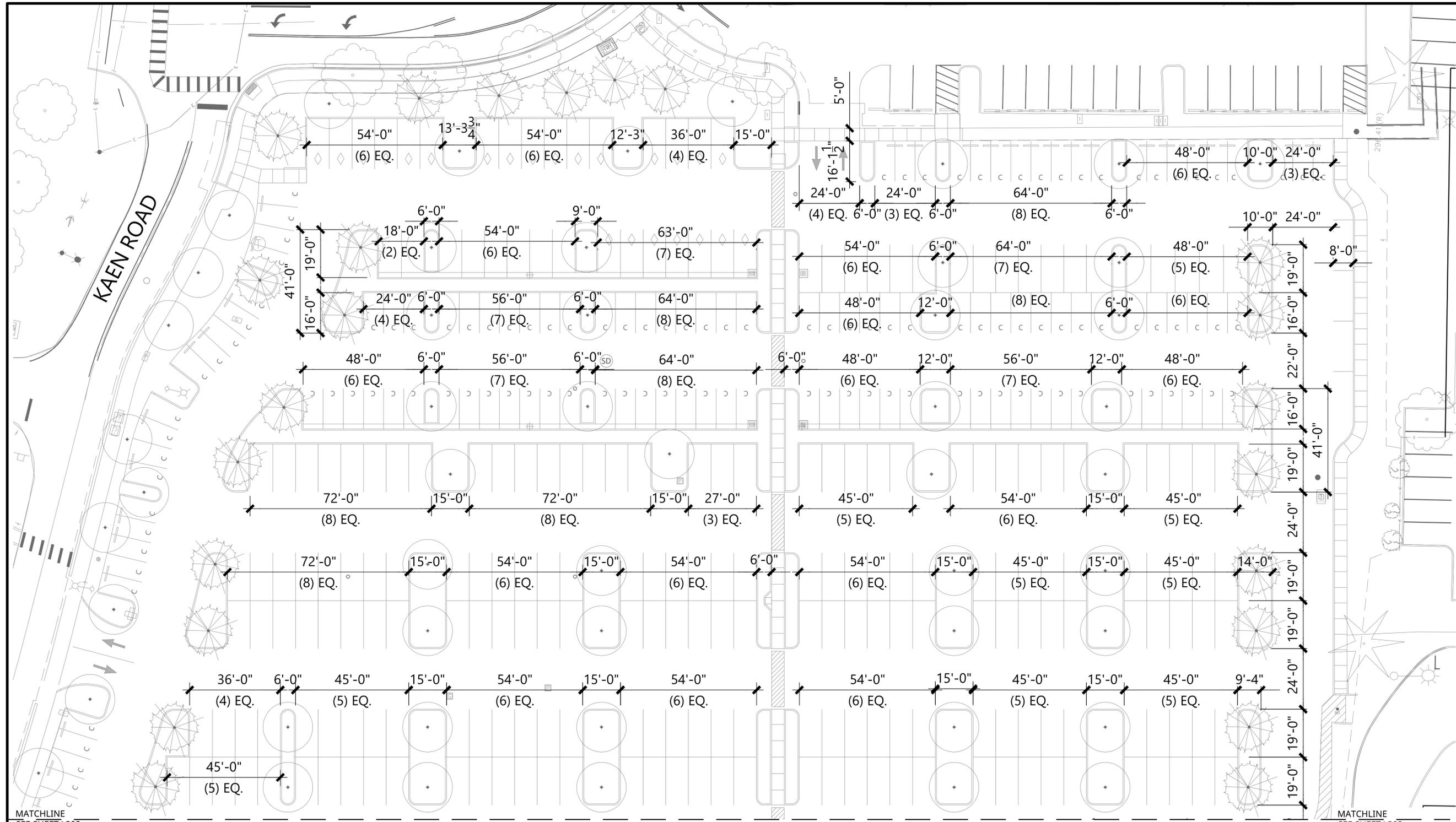
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LAYOUT PLAN
- OVERALL

L200

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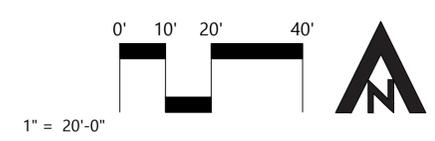


LAYOUT PLAN NOTES

- See Sheet L200 for Layout Plan Notes.

LEGEND

| | | | |
|--------|---|--------------------------------|--|
| EQ. | EQUAL | R22'-6" | RADIUS DIMENSION |
| POB # | POINT OF BEGINNING | N xxxxxx.xxxx E xxxxxx.xxxx | NORTHING/EASTING COORDINATE |
| ALIGN | ALIGN WITH ELEMENT | # | NORTHING/EASTING COORDINATE POINT |
| 22'-6" | DIMENSION | # | SURVEY CONTROL POINT (refer to point schedule and survey documents for details) |
| 22'-6" | DIMENSION From Baseline or Building Face | | |



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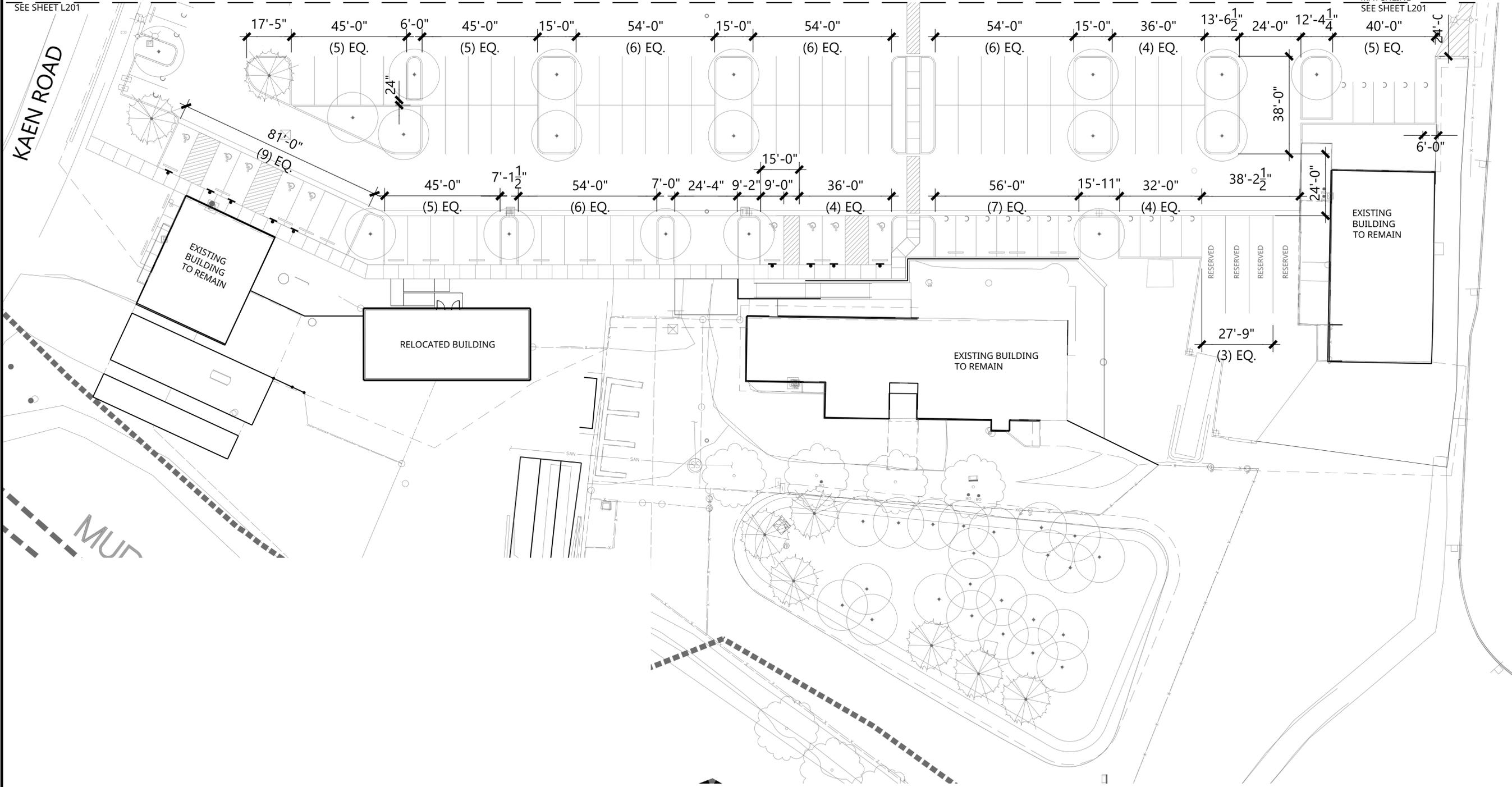
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LAYOUT PLAN
- NORTH

L201

MATCHLINE
SEE SHEET L201

MATCHLINE
SEE SHEET L201

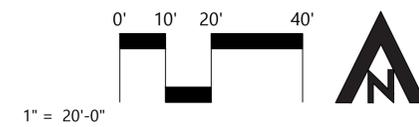


LAYOUT PLAN NOTES

- See Sheet L200 for Layout Plan Notes.

LEGEND

| | | | |
|-------|---|--|--|
| EQ. | EQUAL | | RADIUS DIMENSION |
| POB # | POINT OF BEGINNING | | NORTHING/EASTING COORDINATE |
| | ALIGN WITH ELEMENT | | NORTHING/EASTING COORDINATE POINT |
| | DIMENSION | | SURVEY CONTROL POINT (refer to point schedule and survey documents for details) |
| | DIMENSION From Baseline or Building Face | | |



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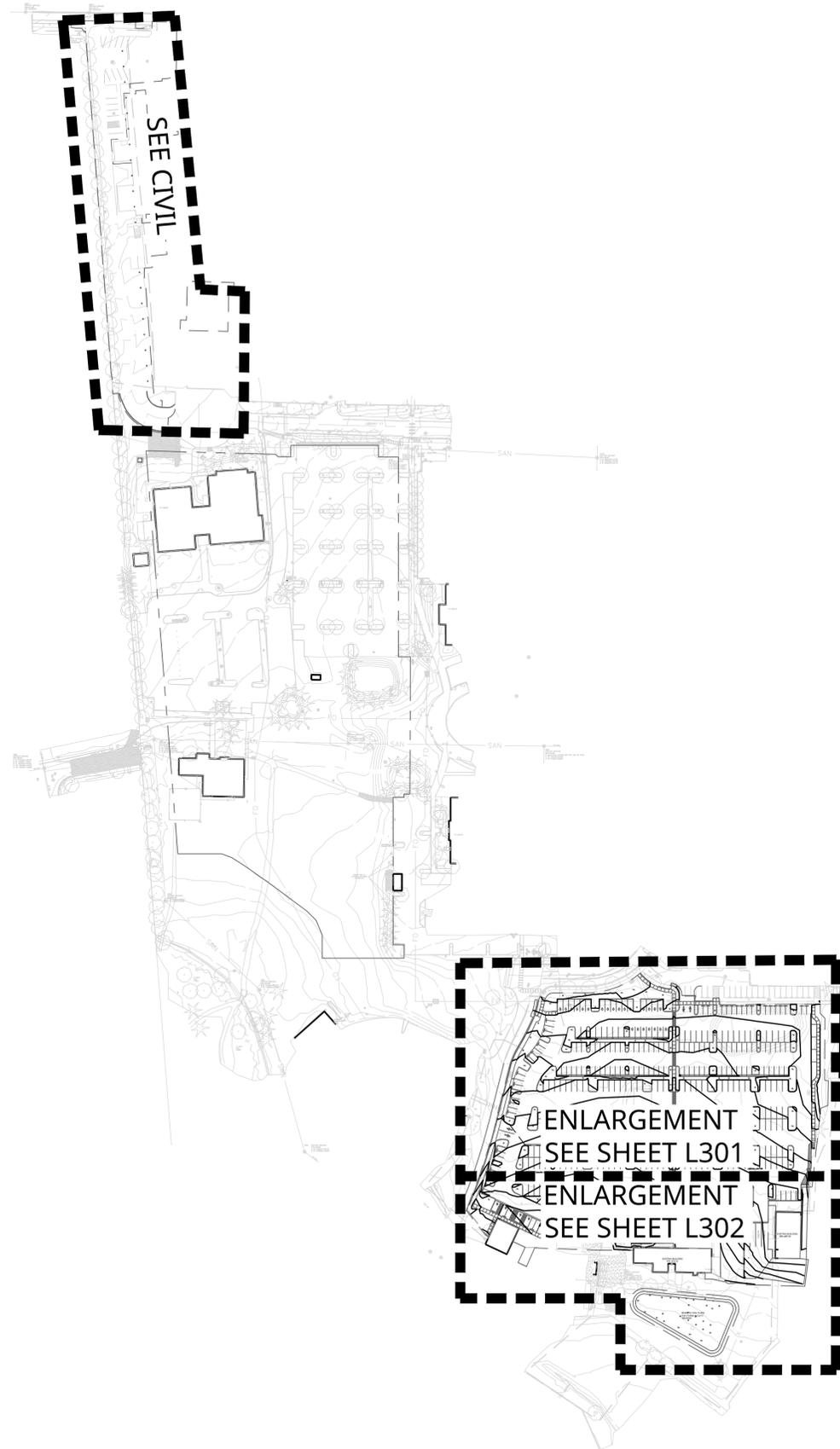
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LAYOUT PLAN
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L202

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GRADING PLAN NOTES

1. All survey information provided by:
HHPR
205 SE Spokane St., Suite 200
Portland, OR 97202
2. Refer to civil plans for roadway grading.
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. 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.
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. 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.
7. Verify existing elevations where new work abuts existing to remain. Notify Owner's Representative of any discrepancies prior to any construction.
8. Adjust rim elevations of existing utilities so that rims are flush with finish grade at new paving and lawns.
9. Blend all new elevations back to existing grade to create a uniform slope. Maximum slope, 4:1.
10. Construct smooth transitions between new paving improvements and existing paving to remain.

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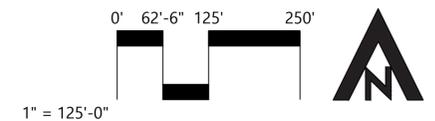
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EXTENSION & PARKING LOT F

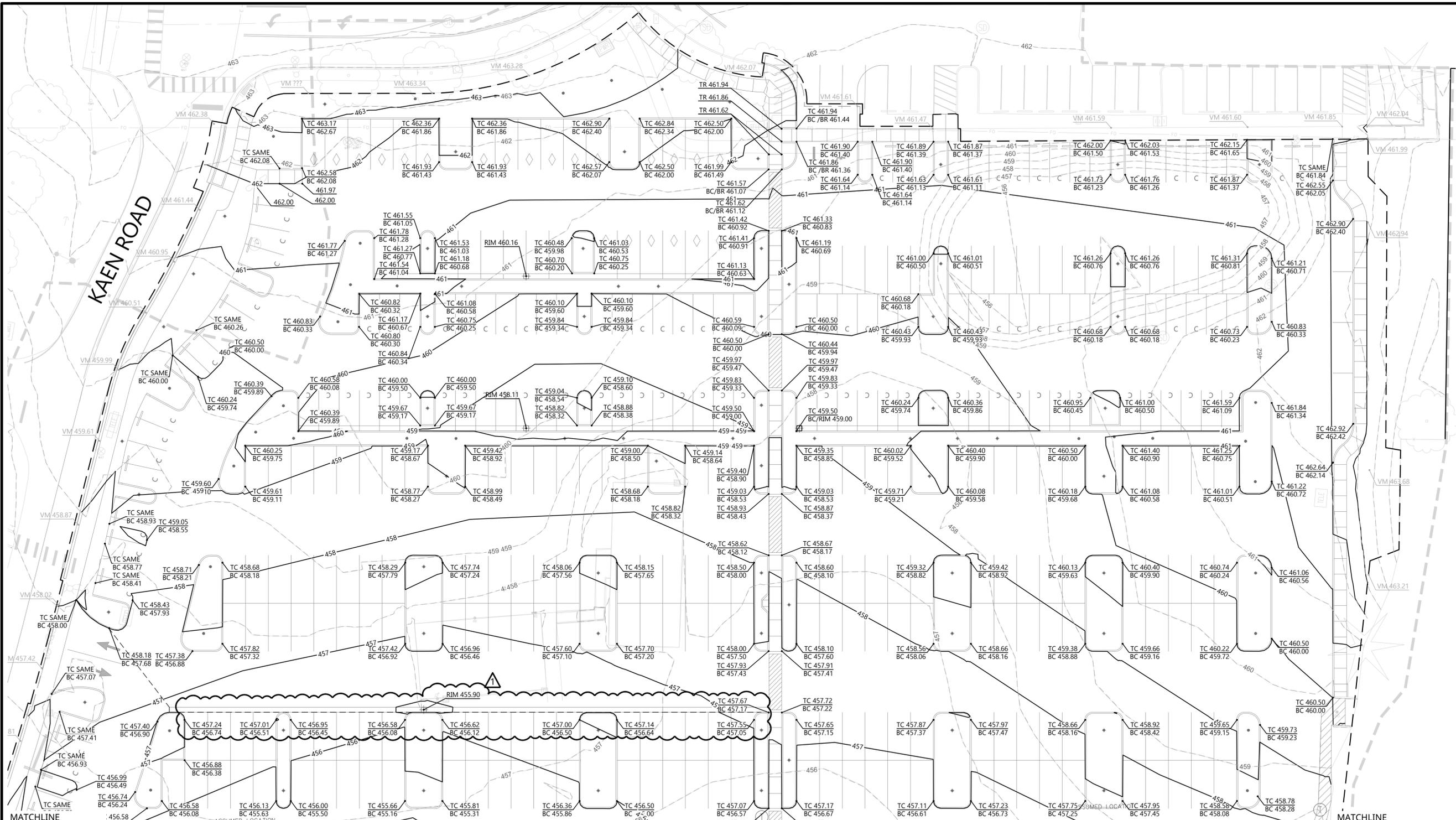
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GRADING PLAN
- OVERALL

L300



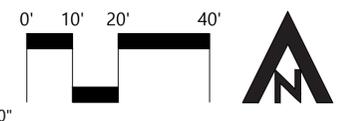


LEGEND

- LIMIT OF WORK
- - - - - EXISTING CONTOUR
- NEW CONTOUR
- DRAINAGE ARROW/
DIRECTION OF FLOW
- ⊕^{CB} CATCH BASIN
- 164.95 SPOT ELEVATION
- CB RIM
164.95 CATCH BASIN RIM - SEE CIVIL
- TW 164.95 TOP OF WALL ELEVATION
- BW 163.45 BOTTOM OF WALL ELEVATION
- VM 164.95 VERIFY/MATCH ELEVATION

GRADING PLAN NOTES

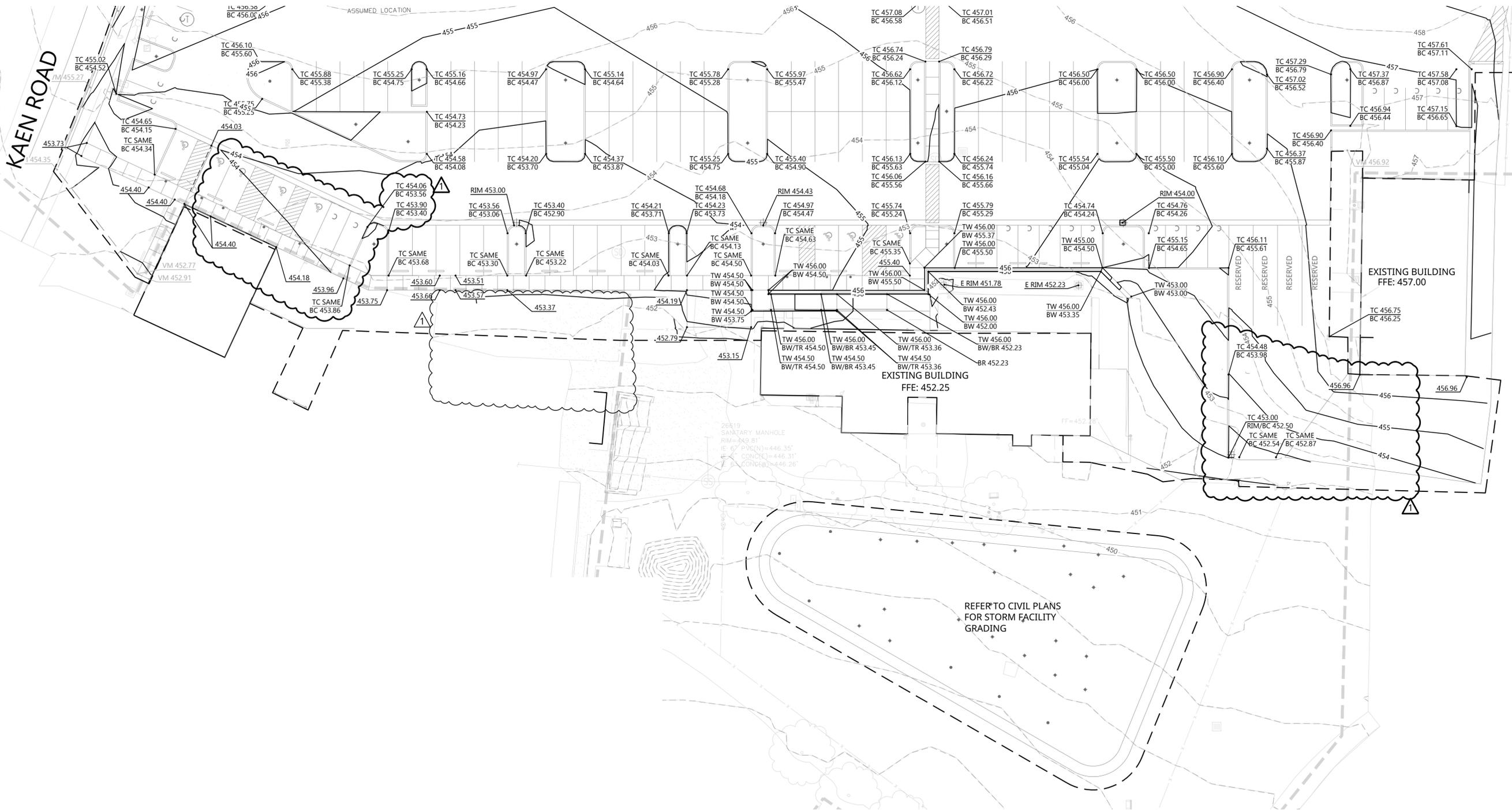
1. See Sheet L300 for Grading Plan Notes.



1" = 20'-0"

MATCHLINE
SEE SHEET L301

MATCHLINE
SEE SHEET L301

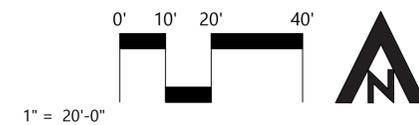


GRADING PLAN NOTES

- See Sheet L300 for Grading Plan Notes.

LEGEND

| | |
|--|--------------------------------------|
| | LIMIT OF WORK |
| | EXISTING CONTOUR |
| | NEW CONTOUR |
| | DRAINAGE ARROW/ DIRECTION OF FLOW |
| | CATCH BASIN |
| | SPOT ELEVATION |
| | CATCH BASIN RIM - SEE CIVIL |
| | TOP OF WALL ELEVATION |
| | BOTTOM OF WALL ELEVATION |
| | VERIFY/MATCH ELEVATION |



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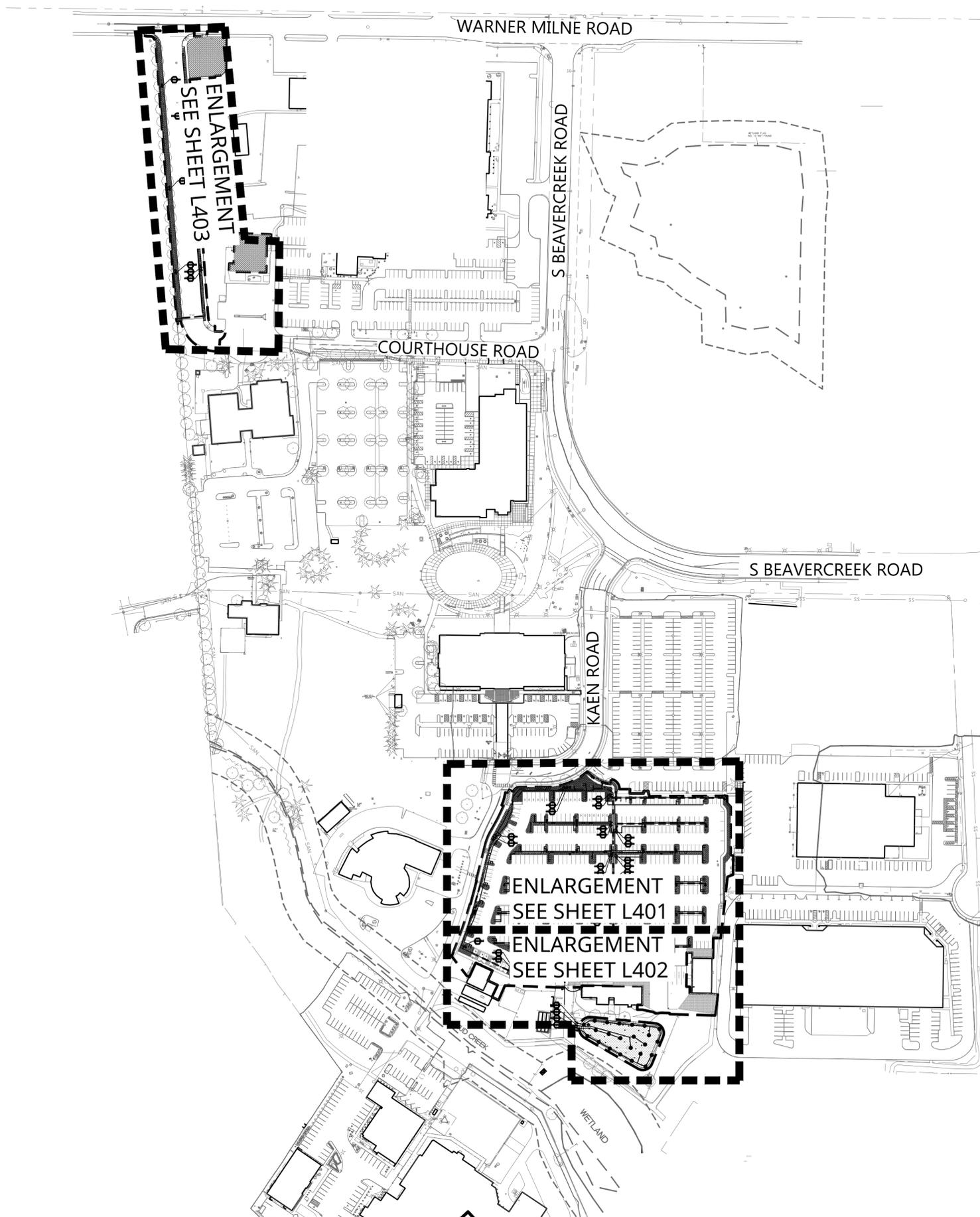
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GRADING PLAN
- SOUTH

L302

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VALVE SCHEDULE

| NUMBER | MODEL | SIZE | TYPE | GPM | PSI |
|--------|--------------|------|-------------------|-------|------|
| 1 | Hunter ICV-G | 1" | Area for Dripline | 14.49 | 33.0 |
| 2 | Hunter ICV-G | 1" | Bubbler | 11 | 38.2 |
| 3 | Hunter ICV-G | 1" | Bubbler | 10 | 34.5 |
| 4 | Hunter ICV-G | 1" | Area for Dripline | 12.88 | 33.0 |
| 5 | Hunter ICV-G | 1" | Area for Dripline | 14.24 | 37.1 |
| 6 | Hunter ICV-G | 1" | Area for Dripline | 12.38 | 33.5 |
| 7 | Hunter ICV-G | 1" | Area for Dripline | 6.22 | 35.4 |
| 8 | Hunter ICV-G | 1" | Bubbler | 12 | 37.3 |
| 9 | Hunter ICV-G | 1" | Area for Dripline | 15.91 | 33.8 |
| 10 | Hunter ICV-G | 1" | Bubbler | 12 | 38.4 |
| 11 | Hunter ICV-G | 1" | Area for Dripline | 15.34 | 33.7 |
| 12 | Hunter ICV-G | 1" | Bubbler | 6 | 36.4 |
| 13 | Hunter ICV-G | 1" | Area for Dripline | 11.34 | 38.4 |
| 14 | Hunter ICV-G | 1" | Area for Dripline | 11.16 | 38.8 |
| 15 | Hunter ICV-G | 1" | Bubbler | 8 | 36.3 |
| 16 | Hunter ICV-G | 1" | Area for Dripline | 10.08 | 36.6 |
| 17 | Hunter ICV-G | 1" | Area for Dripline | 11.83 | 37.1 |
| 18 | Hunter ICV-G | 1" | Area for Dripline | 13.9 | 37.0 |
| 19 | Hunter ICV-G | 1" | Area for Dripline | 9.55 | 35.7 |
| 20 | Hunter ICV-G | 1" | Bubbler | 12 | 37.9 |
| 21 | Hunter ICV-G | 1" | Shrub Rotary | 9.45 | 36.5 |
| 22 | Hunter ICV-G | 1" | Shrub Rotary | 9.45 | 35.3 |
| 23 | Hunter ICV-G | 1" | Shrub Rotary | 15.13 | 36.8 |
| 24 | Hunter ICV-G | 1" | Area for Dripline | 6.28 | 36.3 |
| 25 | Hunter ICV-G | 1" | Bubbler | 10 | 39.0 |
| 26 | Hunter ICV-G | 1" | Area for Dripline | 8.29 | 32.9 |
| 27 | Hunter ICV-G | 1" | Bubbler | 20 | 38.8 |
| 28 | Hunter ICV-G | 1" | Area for Dripline | 7.42 | 33.2 |
| 29 | Hunter ICV-G | 1" | Area for Dripline | 13.4 | 33.0 |
| 30 | Hunter ICV-G | 1" | Area for Dripline | 13.4 | 33.0 |
| 31 | Hunter ICV-G | 1" | Area for Dripline | 10.24 | 33.2 |
| 32 | Hunter ICV-G | 1" | Area for Dripline | 12.12 | 33.2 |
| 33 | Hunter ICV-G | 1" | Bubbler | 12 | 38.3 |
| 34 | Hunter ICV-G | 1" | Bubbler | 12 | 38.1 |
| 35 | Hunter ICV-G | 1" | Bubbler | 5 | 34.4 |
| 36 | Hunter ICV-G | 1" | Bubbler | 9 | 38.5 |
| 37 | Hunter ICV-G | 1" | Bubbler | 9 | 37.1 |
| 38 | Hunter ICV-G | 1" | Shrub Rotary | 16.07 | 36.9 |

LEGEND

| SYMBOL | MANUFACTURER/MODEL |
|--------|--|
| | Hunter MP3000 PROS-12-PRS30-CV |
| | Hunter MP3500 PROS-12-PRS30-CV |
| | Hunter RZWS-36 |
| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION |
| | Pipe Transition Point above grade |
| | Pipe transition point from PVC lateral to drip tubing with riser to above grade installation. |
| | Area to Receive Dripline Hunter HDL-04-12-CV HDL-04-12-CV: Hunter Dripline w/ 0.4 GPH emitters at 12" O.C. Check valve, dark brown tubing with tan striping. Dripline laterals spaced at 12" apart, with emitters offset for triangular pattern. Install with Hunter PLD barbed or PLD-LOC fittings. |
| | Area to Receive Dripline Hunter HDL-04-18-CV HDL-04-18-CV: Hunter Dripline w/ 0.4 GPH emitters at 18" O.C. Check valve, dark brown tubing with tan striping. Dripline laterals spaced at 18" apart, with emitters offset for triangular pattern. Install with Hunter PLD barbed or PLD-LOC fittings. |
| SYMBOL | MANUFACTURER/MODEL |
| | Hunter ICV-G 1" |
| | Hunter ICV-G 1-1/2" |
| | Hunter ICV-G 2" |
| | Quick Coupler Valve |
| | Shut Off Valve |
| | Superior 3200 1-1/2" |
| | Febco 850U 1" |
| | Hydro Point WTPRO3-C-H2O48-CWM |
| | 1.5" Flomec QS200-15 flow sensor |
| | Existing Water Meter 3/4" |
| | Irrigation Lateral Line: PVC Schedule 40 |
| | Irrigation Mainline: PVC Schedule 40 |
| | Pipe Sleeve: PVC Schedule 40 |
| | Valve Callout # - Valve Number # - Valve Flow # - Valve Size |
| | 2 Wire path in conduit from controller to mainline |

IRRIGATION PLAN NOTES

- 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.
- 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.
- Install spray heads 3" from adjacent pavement, walls, curbs, and planting edges; 6" from curbs in parking areas (3" if aligned with striping) unless directed otherwise by Owner's Representative.
- Adjust radius on spray heads as necessary to minimize overspray while achieving full and even coverage of planted areas.
- Install irrigation heads in parking lots aligned with parking stall striping, as shown on drawing.
- Verify static pressure at point of connection. Notify Owner's Representative prior to any construction if pressure is lower than verified static pressure.
- Provide all necessary wiring required to make the irrigation system a fully serviceable and operational controlled installation at the completion of the project.
- Locate Irrigation mainline, lateral lines, and valve boxes to avoid conflict with tree plantings.
- Verify location of (E) main lines and lateral lines. Repair any damages and confirm proper operation of (E) irrigation zones impacted by construction.
- Existing landscapes with existing irrigation prior to construction are not to be without water for longer than 10 days. Coordinate anticipated disruption of existing irrigation with Owner to allow for additional watering in advance of irrigation shutdown. It is critical all irrigation systems interrupted by construction are reconnected as soon as possible.

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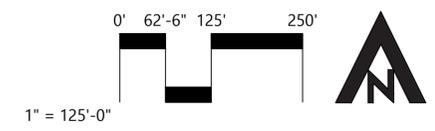
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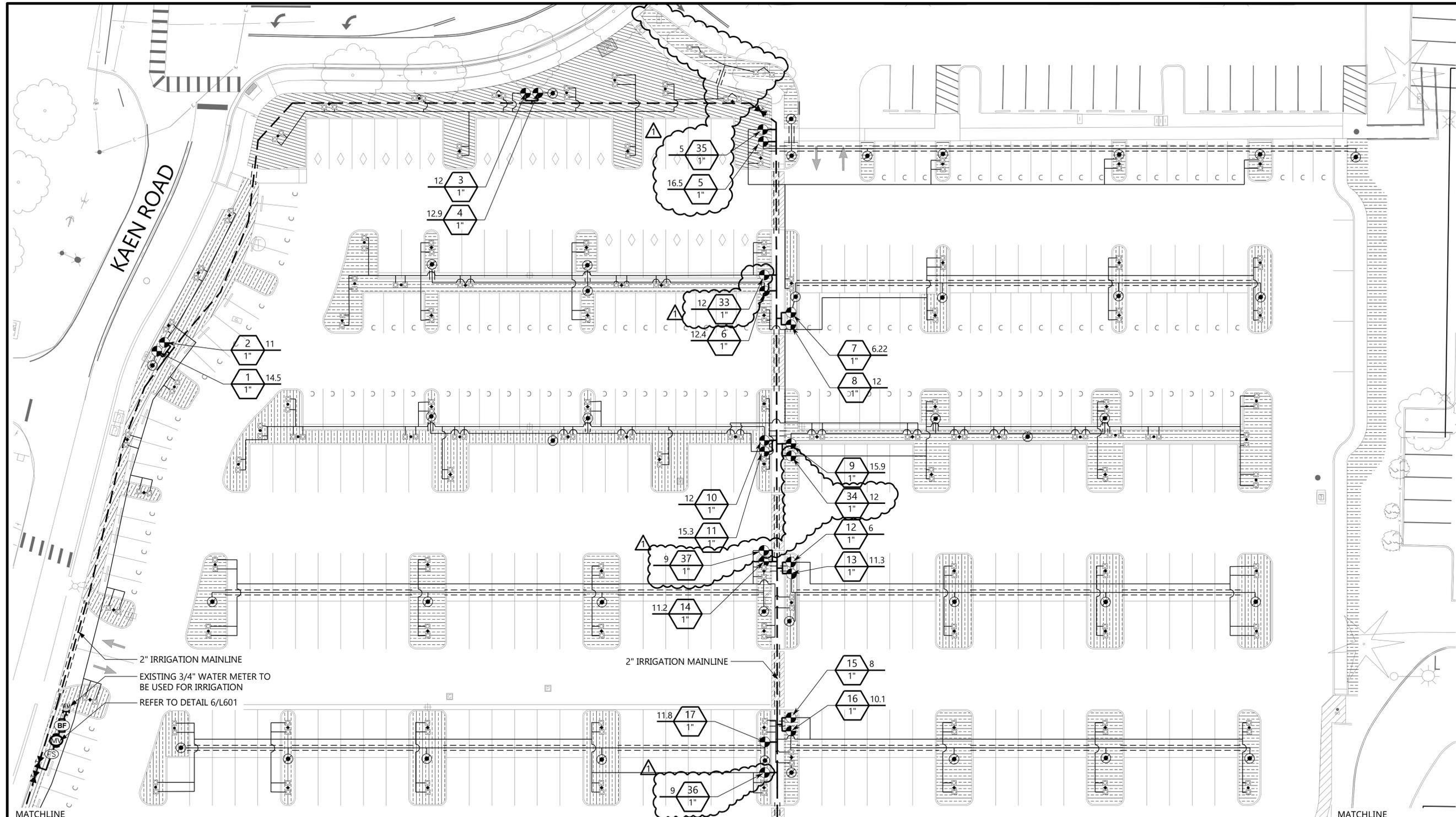
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IRRIGATION
MAINLINE PLAN
- OVERALL

L400





2" IRRIGATION MAINLINE
 EXISTING 3/4" WATER METER TO
 BE USED FOR IRRIGATION
 REFER TO DETAIL 6/L601

MATCHLINE
 SEE SHEET L402

MATCHLINE
 SEE SHEET L402

IRRIGATION PLAN NOTES

- See Sheet L400 for Irrigation Plan Notes.
- Existing water meter size will restrict irrigation flexibility to an estimated 12 gpm per valve. project will utilize drip irrigation to the extent possible.
- See sheet L601 and L602 for irrigation details

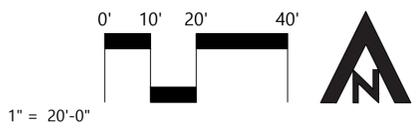
LEGEND

| SYMBOL | MANUFACTURER/MODEL |
|--------|--|
| | Hunter MP3000 PROS-12-PRS30-CV |
| | Hunter MP3500 PROS-12-PRS30-CV |
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| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION |
| | Pipe Transition Point above grade Pipe transition point from PVC lateral to drip tubing with riser to above grade installation. |
| | Area to Receive Dripline Hunter HDL-04-12-CV HDL-04-12-CV: Hunter Dripline w/ 0.4 GPH emitters at 12" O.C. Check valve, dark brown tubing with tan striping. Dripline laterals spaced at 12" apart, with emitters offset for triangular pattern. Install with Hunter PLD barbed or PLD-LOC fittings. |

Area to Receive Dripline
 Hunter HDL-04-18-CV
 HDL-04-18-CV: Hunter Dripline w/ 0.4 GPH emitters at 18" O.C. Check valve, dark brown tubing with tan striping. Dripline laterals spaced at 18" apart, with emitters offset for triangular pattern. Install with Hunter PLD barbed or PLD-LOC fittings.

| SYMBOL | MANUFACTURER/MODEL |
|--------|--------------------------------|
| | Hunter ICV-G 1" |
| | Hunter ICV-G 1-1/2" |
| | Hunter ICV-G 2" |
| | Quick Coupler Valve |
| | Shut Off Valve |
| | Superior 3200 1-1/2" |
| | Febco 850U 1" |
| | Hydro Point WTPRO3-C-H2O48-CWM |

| | |
|--|---|
| | 1.5" Flomec QS200-15 flow sensor |
| | Existing Water Meter 3/4" |
| | Irrigation Lateral Line: PVC Schedule 40 |
| | Irrigation Mainline: PVC Schedule 40 |
| | Pipe Sleeve: PVC Schedule 40 |
| | Valve Callout Valve Number Valve Flow Valve Size |



MATCHLINE
SEE SHEET L401

MATCHLINE
SEE SHEET L401

KAEN ROAD

MUT

IRRIGATION PLAN NOTES

1. See Sheet L400 for Irrigation Plan Notes.
2. Existing water meter size will restrict irrigation flexibility to an estimated 12 gpm per valve. project will utilize drip irrigation to the extent possible.
3. See sheet L601 and L602 for irrigation details.

LEGEND

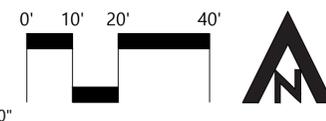
| SYMBOL | MANUFACTURER/MODEL | SYMBOL | MANUFACTURER/MODEL |
|--------|--|--------|--|
| | Hunter MP3000 PROS-12-PRS30-CV | | Area to Receive Dripline Hunter HDL-04-18-CV HDL-04-18-CV: Hunter Dripline w/ 0.4 GPH emitters at 18" O.C. Check valve, dark brown tubing with tan striping. Dripline laterals spaced at 18" apart, with emitters offset for triangular pattern. Install with Hunter PLD barbed or PLD-LOC fittings. |
| | Hunter MP3500 PROS-12-PRS30-CV | | Hunter ICV-G 1" |
| | Hunter RZWS-36 | | Hunter ICV-G 1-1/2" |
| | Pipe Transition Point above grade | | Hunter ICV-G 2" |
| | Pipe transition point from PVC lateral to drip tubing with riser to above grade installation. | | Quick Coupler Valve |
| | Area to Receive Dripline Hunter HDL-04-12-CV HDL-04-12-CV: Hunter Dripline w/ 0.4 GPH emitters at 12" O.C. Check valve, dark brown tubing with tan striping. Dripline laterals spaced at 12" apart, with emitters offset for triangular pattern. Install with Hunter PLD barbed or PLD-LOC fittings. | | Shut Off Valve |
| | | | Superior 3200 1-1/2" |
| | | | Febcso 850U 1" |
| | | | Hydro Point WTPRO3-C-H2O48-CWM |
| | 1.5" Flomec QS200-15 flow sensor | | Existing Water Meter 3/4" |
| | Irrigation Lateral Line: PVC Schedule 40 | | Irrigation Mainline: PVC Schedule 40 |
| | Pipe Sleeve: PVC Schedule 40 | | Valve Callout Valve Number Valve Flow Valve Size |
| | 2 Wire path in conduit from controller to mainline | | |

PROPOSED CONTROLLER
WALL MOUNTED, PROVIDE
110 OUTLET ON DEDICATED
CIRCUIT. CONNECT WIRE
FROM CONTROLLER TO
MAINLINE IN CONDUIT.

EXISTING BUILDING
TO REMAIN

EXISTING BUILDING
TO REMAIN

RESERVED
RESERVED
RESERVED
RESERVED



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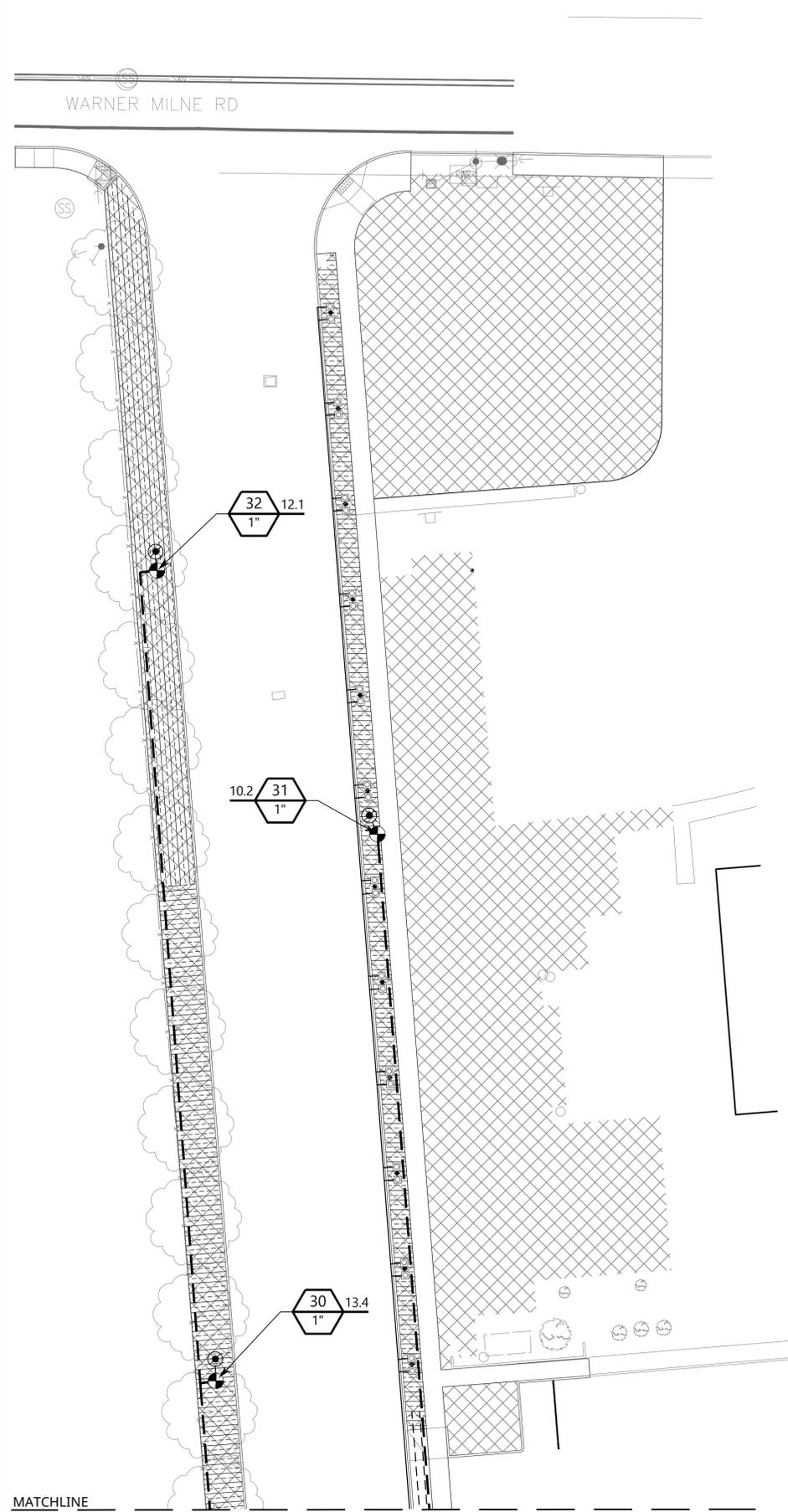
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REVISIONS
JAN.08, 2024

74-23103-00
IRRIGATION
MAINLINE PLAN
- SOUTH

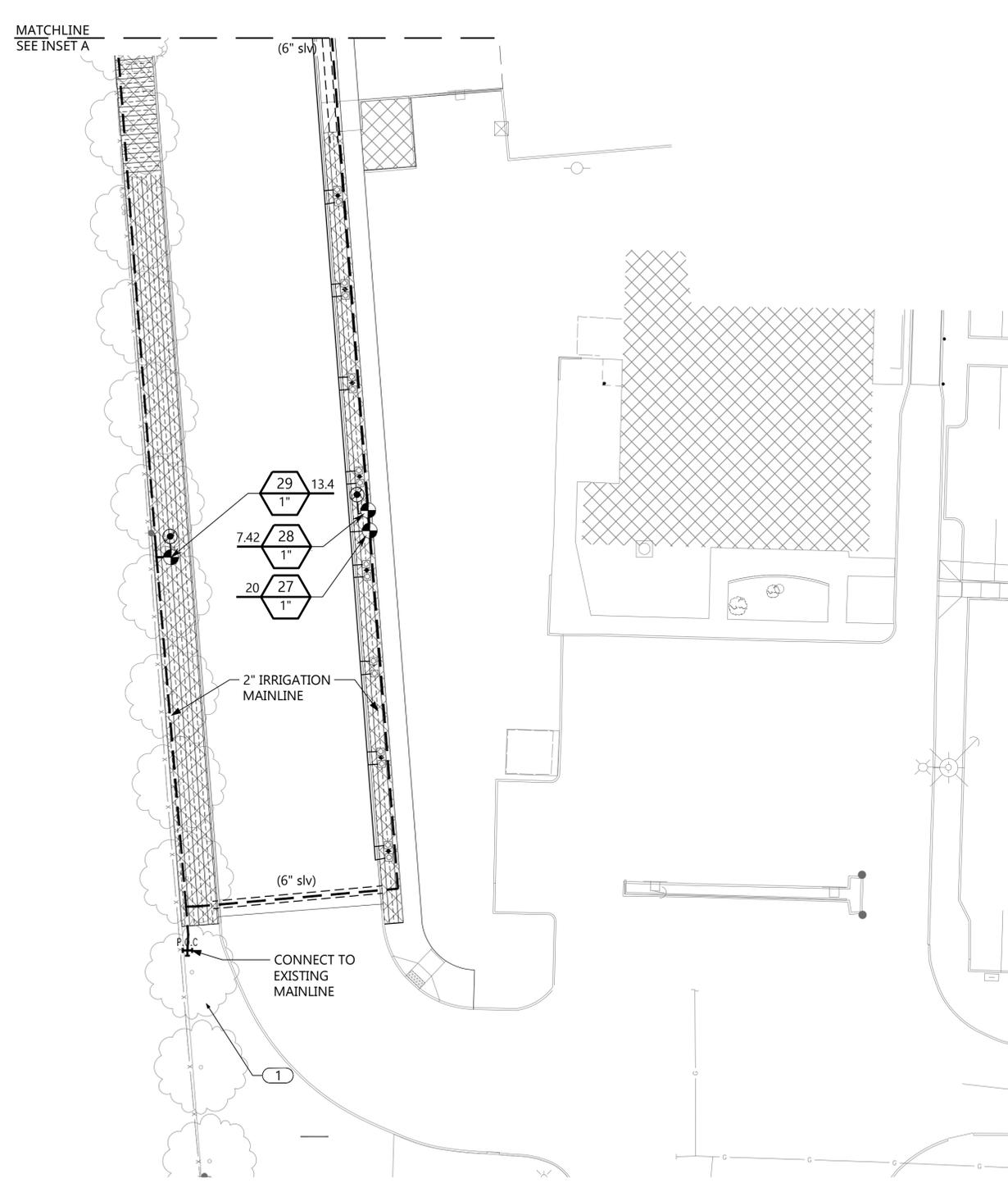
L402

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INSET A



INSET B



IRRIGATION PLAN NOTES

1. See Sheet L400 for Irrigation Plan Notes.
2. Irrigation water supply from Courthouse project.
3. See sheet L601 and L602 for irrigation details.

SHEET NOTES

- ① IRRIGATION SUPPLY FROM COURTHOUSE SYSTEM. THIS IS APPROXIMATE LOCATION OF 2" LINE AND 2 WIRE PATH CONNECTION IN A JUMBO VALVE BOX

LEGEND

| SYMBOL | MANUFACTURER/MODEL |
|--------|--------------------------------|
| | Hunter MP3000 PROS-12-PRS30-CV |
| | Hunter MP3500 PROS-12-PRS30-CV |
| | Hunter RZWS-36 |

| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION |
|--------|--|
| | Pipe Transition Point above grade Pipe transition point from PVC lateral to drip tubing with riser to above grade installation. |
| | Area to Receive Dripline Hunter HDL-04-12-CV HDL-04-12-CV: Hunter Dripline w/ 0.4 GPH emitters at 12" O.C. Check valve, dark brown tubing with tan striping. Dripline laterals spaced at 12" apart, with emitters offset for triangular pattern. Install with Hunter PLD barbed or PLD-LOC fittings. |
| | Area to Receive Dripline Hunter HDL-04-18-CV HDL-04-18-CV: Hunter Dripline w/ 0.4 GPH emitters at 18" O.C. Check valve, dark brown tubing with tan striping. Dripline laterals spaced at 18" apart, with emitters offset for triangular pattern. Install with Hunter PLD barbed or PLD-LOC fittings. |

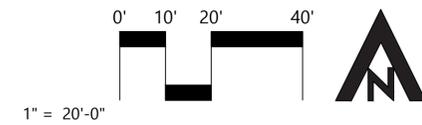
| SYMBOL | MANUFACTURER/MODEL |
|--------|----------------------------------|
| | Hunter ICV-G 1" |
| | Hunter ICV-G 1-1/2" |
| | Hunter ICV-G 2" |
| | Quick Coupler Valve |
| | Shut Off Valve |
| | Superior 3200 1-1/2" |
| | Febco 850U 1" |
| | Hydro Point WTPRO3-C-H2O48-CWM |
| | 1.5" Flomec QS200-15 flow sensor |
| | Existing Water Meter 3/4" |

| | |
|--|--|
| | Irrigation Lateral Line: PVC Schedule 40 |
| | Irrigation Mainline: PVC Schedule 40 |
| | Pipe Sleeve: PVC Schedule 40 |

| SYMBOL | DESCRIPTION |
|--------|---------------|
| | Valve Callout |
| | Valve Number |
| | Valve Flow |
| | Valve Size |

| | |
|--|--|
| | 2 Wire path in conduit from controller to mainline |
|--|--|

MATCHLINE
SEE INSET B



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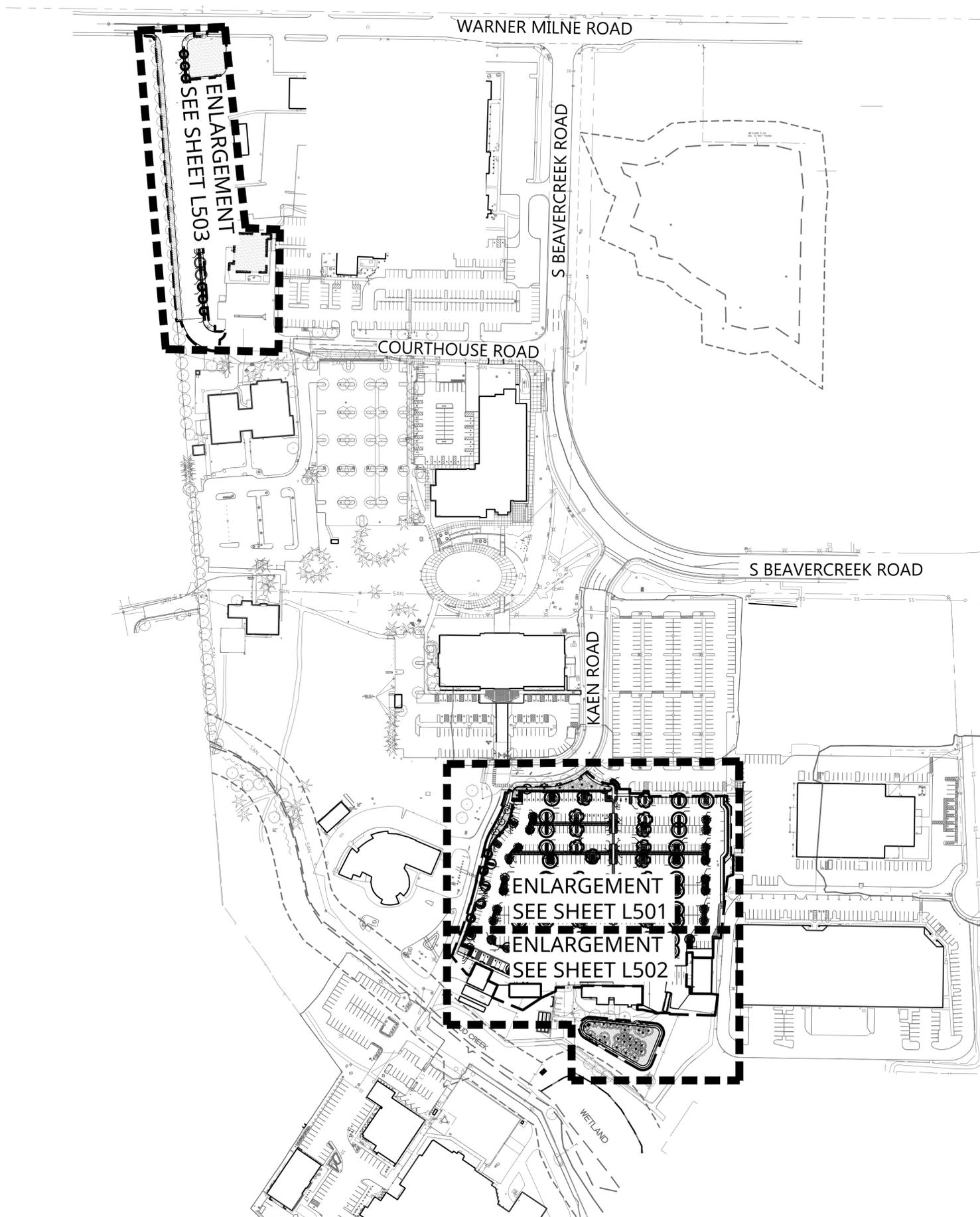
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IRRIGATION
MAINLINE PLAN
- LOOP ROAD

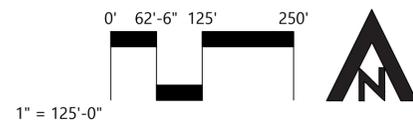
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LANDSCAPE PLAN NOTES

1. All proposed Landscape plant materials to be watered with a fully automatic underground irrigation system. A new 2" size Irrigation P.O.C. shall be provided for this project.
2. Verify exact locations and routing of existing underground utilities prior to starting excavation. Repair any damage to existing pipes, utilities, or related facilities at Contractor's expense in a manner approved by Owner's Representative.
3. Do not install any plant materials until 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. Refer to civil plans for stormwater facility sections, soil material and maintenance requirements.
5. Protect all existing trees and plant materials to remain including limbs, trunks, roots and root zones.
6. Finish grade is top of topsoil. Mulch is in addition.
7. Prune all new plant materials as directed by Owner's Representative.
8. Make minor adjustments in tree spacing as necessary to accommodate the irrigation system as installed.
9. Where new lawn abuts existing, provide a smooth transition and make repairs as necessary to existing lawn.
10. Plant quantities shown are for Contractor's convenience only. Contractor is responsible to provide 100% coverage of entire area at spacing shown.
11. Triangle space all shrubs and groundcovers, unless otherwise noted
12. Areas designated as "REVEGETATED SEEDING" to be seeded in a time of the year so that it will not require built in irrigation. Seeding to rely on rain and/or manual watering methods.



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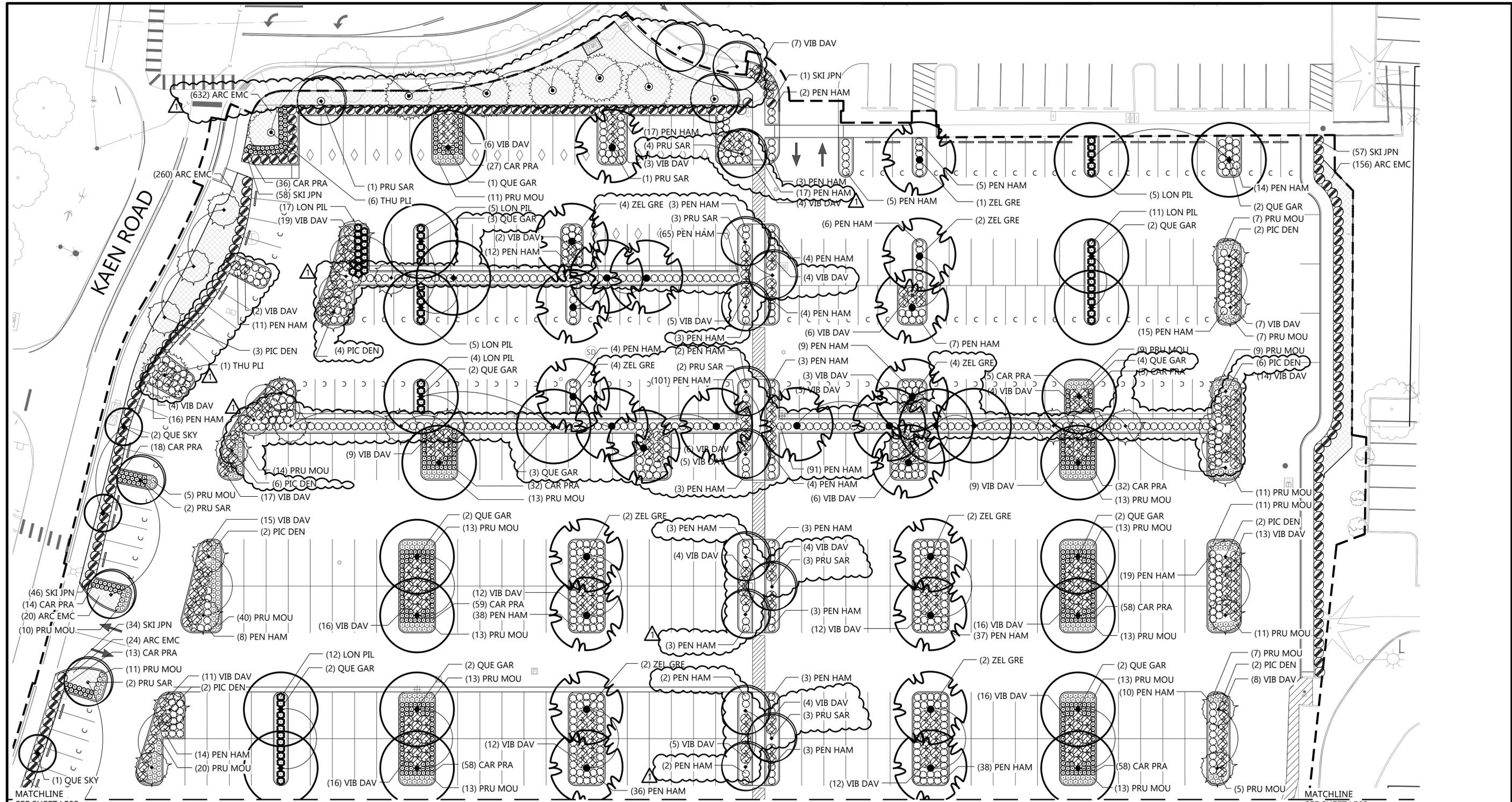
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74-23103-00
 LANDSCAPE
 PLAN -
 OVERALL

L500

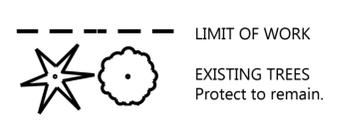
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LANDSCAPE GENERAL NOTES

1. See Sheet L500 for Landscape General Notes.
2. See Sheet L504 for full plant list.

LEGEND



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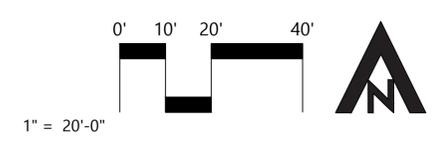
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EXTENSION & PARKING LOT F

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74-23103-00
LANDSCAPE
PLAN -
NORTH

L501

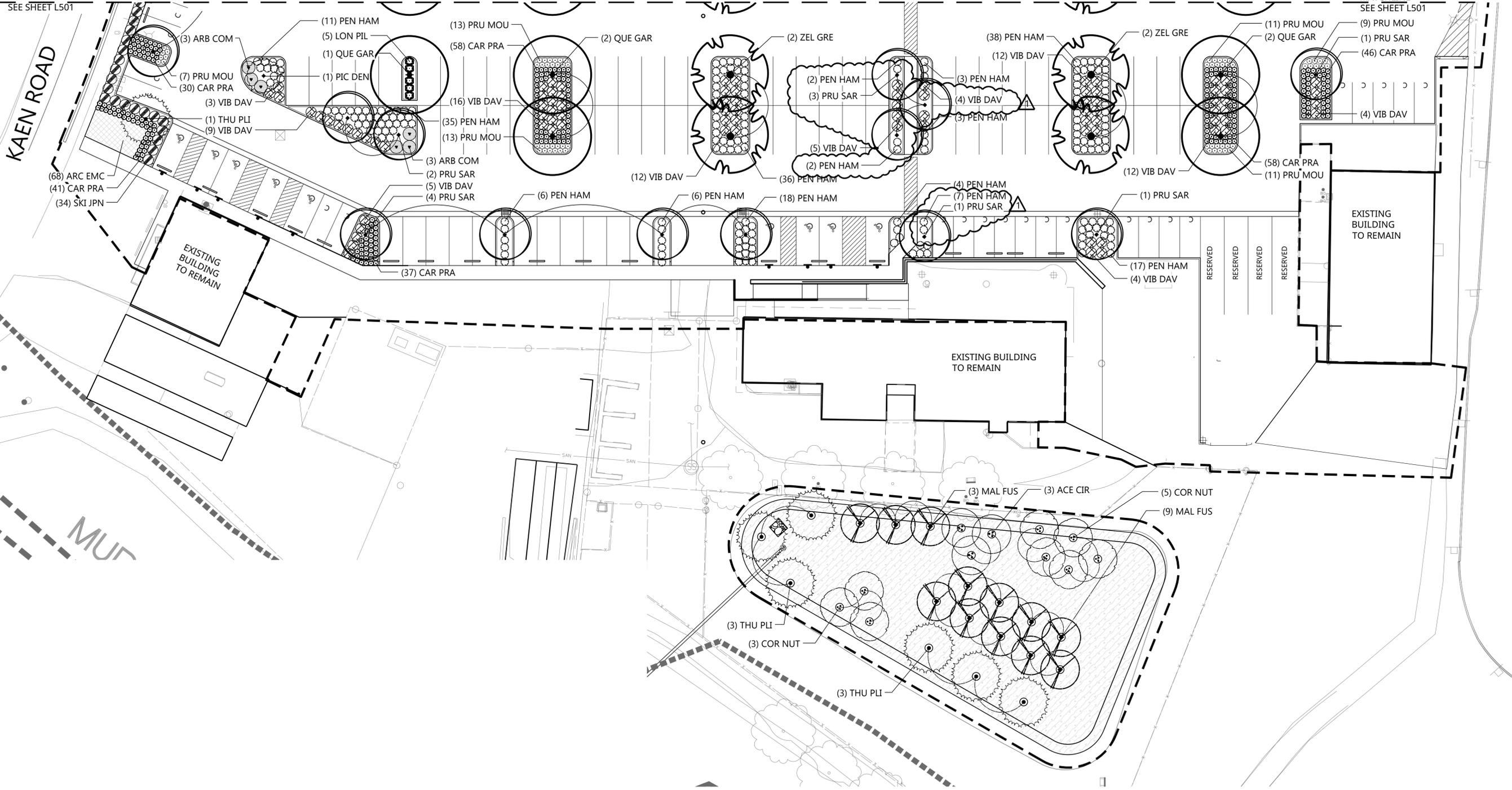


MATCHLINE
SEE SHEET L501

MATCHLINE
SEE SHEET L501

KAEN ROAD

MUT



EXISTING BUILDING TO REMAIN

EXISTING BUILDING TO REMAIN

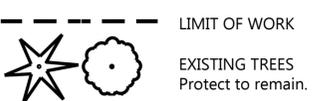
EXISTING BUILDING TO REMAIN

RESERVED
RESERVED
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LANDSCAPE GENERAL NOTES

1. See Sheet L500 for Landscape General Notes.
2. See Sheet L504 for full plant list.

LEGEND



1" = 20'-0"



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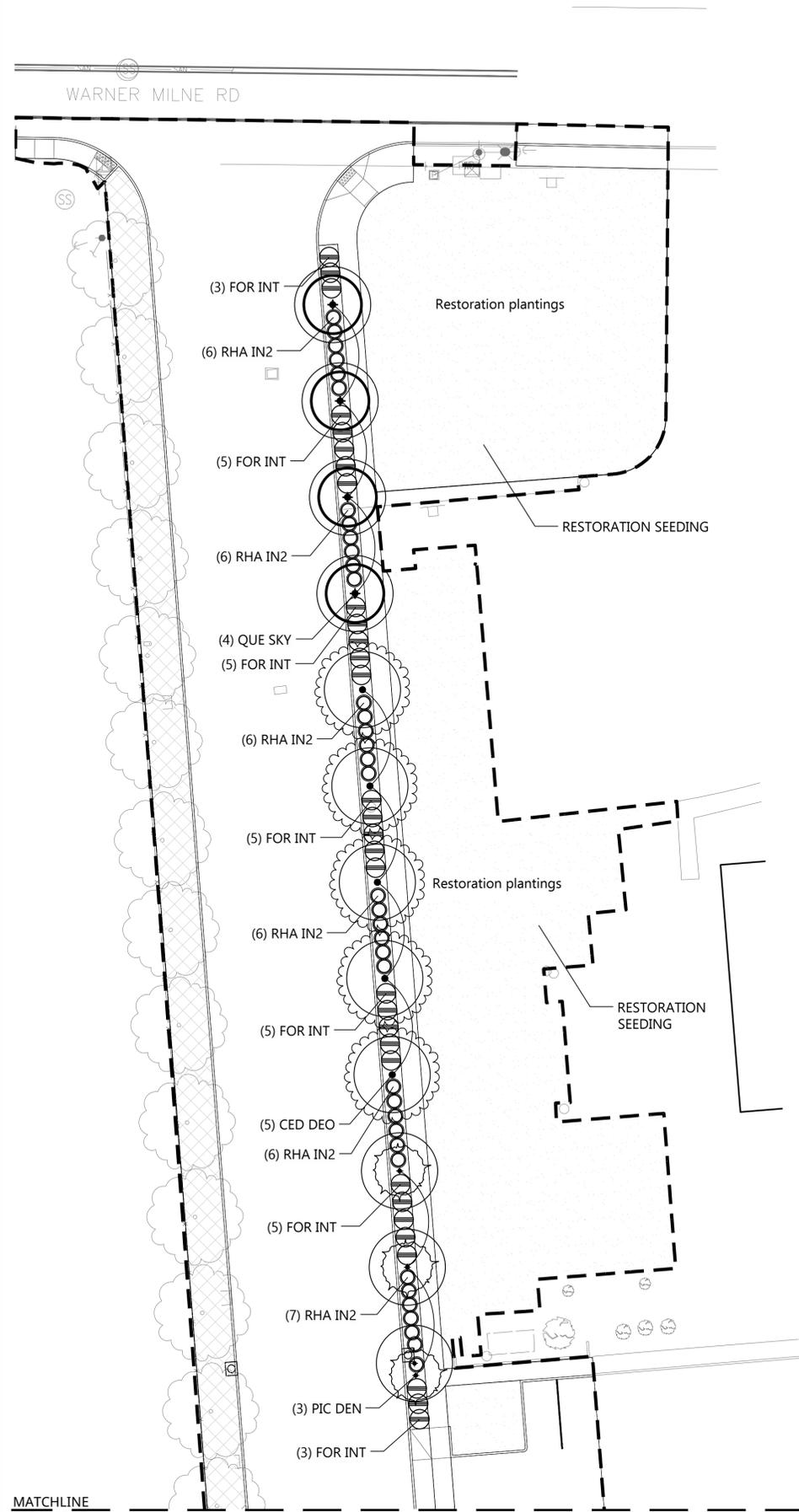
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LANDSCAPE
PLAN -
SOUTH

L502

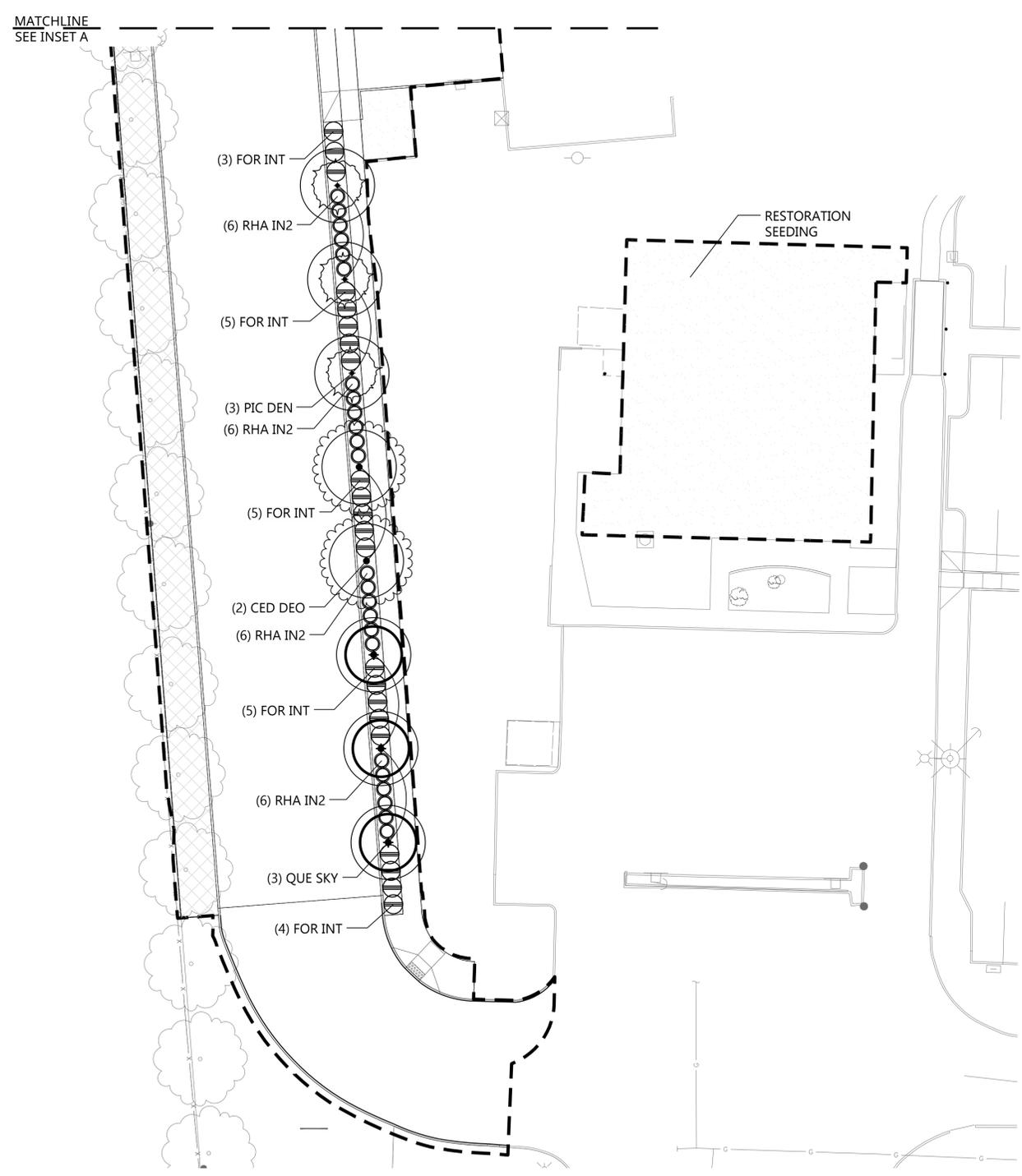
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INSET A

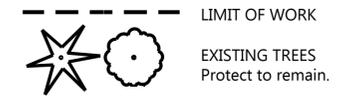


MATCHLINE
SEE INSET B

INSET B

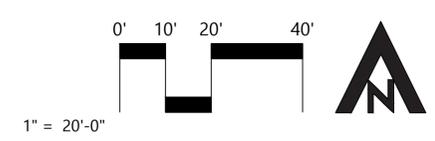


LEGEND



LANDSCAPE PLAN NOTES

1. See Sheet L500 for Landscape General Notes.
2. See Sheet L504 for full plant list.



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LANDSCAPE
PLAN -
LOOP ROAD

L503

L503 PLANTINGS

| TREES | QTY | BOTANICAL NAME | COMMON NAME | SIZE | CONDITION | REMARKS |
|---------|-----|---------------------------|--------------------------|--------------|-------------|---------------------------|
| CED DEO | 7 | Cedrus deodara | Deodar Cedar | 6'-8' Height | B&B or Cont | Evenly branched, matching |
| PIC DEN | 6 | Picea glauca 'Densata' | Black Hills White Spruce | 6'-8' Height | B&B or Cont | Matching, full. |
| QUE SKY | 7 | Quercus robur 'Fastigita' | Skyrocket® English Oak | 2" cal | B&B or Cont | Matching, full. |
| SHRUBS | QTY | BOTANICAL NAME | COMMON NAME | SIZE | CONDITION | REMARKS |
| LON PIL | 64 | Lonicera pileata | Privet Honeysuckle | #3 | | Full and Bushy |
| RHA IN2 | 61 | Rhaphiolepis indica | Indian Hawthorn | #5 | Container | Full and Bushy |

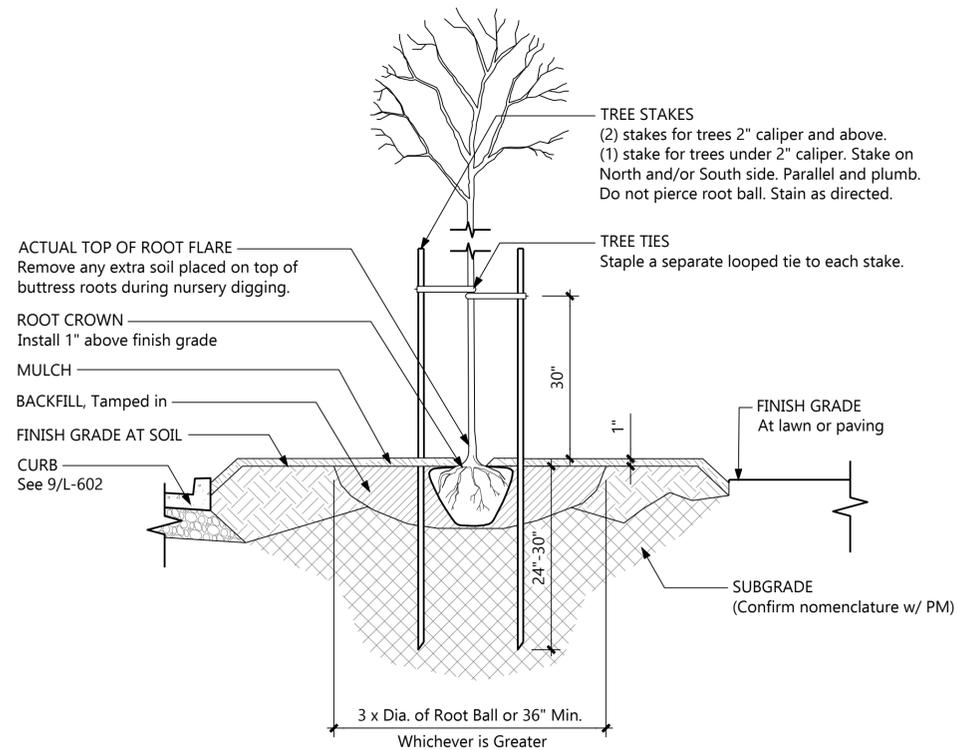
LANDSCAPE SCHEDULE

PARKING LOT

| TREES | QTY | BOTANICAL NAME | COMMON NAME | SIZE | CONDITION | REMARKS | |
|------------------|------|--|-----------------------------|--------------|-------------|---------------------------|----------------|
| ACE MAC | 0 | Acer macrophyllum | Big-Leaf Maple | 2" cal | B&B or Cont | Evenly branched, matching | |
| PIC DEN | 30 | Picea glauca 'Densata' | Black Hills White Spruce | 6'-8' Height | B&B or Cont | Matching, full. | |
| PRU SAR | 32 | Prunus sargentii | Sargent Cherry | 2" cal | B&B or Cont | Matching, full. | |
| QUE GAR | 30 | Quercus garryana | Oregon Oak | 2" cal | B&B or Cont | Evenly branched, matching | |
| THU PLI | 8 | Thuja plicata | Western Red Cedar | 6'-8' Height | B&B or Cont | Evenly branched, matching | |
| ZEL GRE | 28 | Zelkova serrata 'Green Vase' | Green Vase Sawleaf Zelkova | 2" cal | B&B or Cont | Evenly branched, matching | |
| QUE SKY | 3 | Quercus robur 'Fastigita' | Skyrocket® English Oak | 2" cal | B&B or Cont | Matching, full. | |
| SHRUBS | QTY | BOTANICAL NAME | COMMON NAME | SIZE | CONDITION | REMARKS | |
| ARB COM | 6 | Arbutus unedo 'Compacta' | Dwarf Strawberry Tree | #5 | | Full and Bushy | |
| PRU MOU | 382 | Prunus laurocerasus 'Mount Vernon' | Mount Vernon Laurel | #1 | | Full and Bushy | |
| SKI JPN | 196 | Skimmia japonica | Skimmia | #5 | | Full and Bushy | |
| VIB DAV | 407 | Viburnum davidii | David Viburnum | #3 | | Full and Bushy | |
| LON PIL | 64 | Lonicera pileata | Privet Honeysuckle | #3 | | Full and Bushy | |
| GRASSES / SEDGES | QTY | BOTANICAL NAME | COMMON NAME | SIZE | CONDITION | REMARKS | |
| CAR PRA | 685 | Carex testacea 'Prairie Fire' | Prairie Sedge | #3 | | Full and Bushy | |
| PEN HAM | 836 | Pennisetum alopecuroides 'Hameln' | Hameln Dwarf Fountain Grass | #3 | | Full and Bushy | |
| GROUNDCOVERS | QTY | BOTANICAL NAME | COMMON NAME | SIZE | CONDITION | O.C. SPACING | REMARKS |
| ARC EMC | 1160 | Arctostaphylos uva-ursi 'Emerald Carpet' | Emerald Carpet Manzanita | #1 | | 2'-0" | Full and Bushy |

RAINGARDEN #5 (7,834 sf) (Zone A = 7,1136 sf and 8,183 herbacious plants)

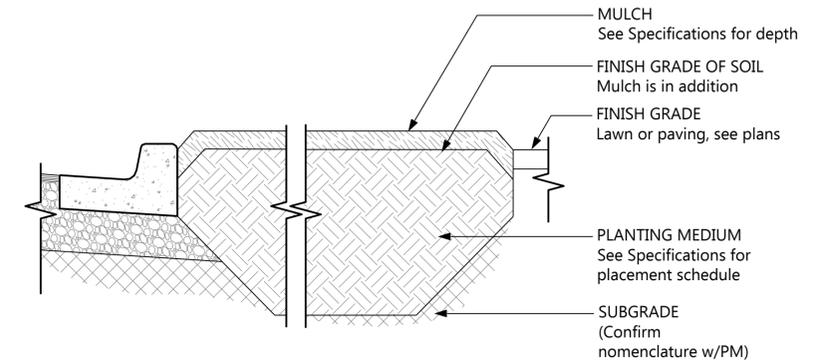
| TREES | QTY | BOTANICAL NAME | COMMON NAME | SIZE | O.C. SPACING | CONDITION |
|----------------------------|------|---------------------|--------------------------|--------------|--------------|-----------|
| ACE CIR | 3 | Acer circinatum | Vine Maple | #15 | 8'-0" | A/B |
| COR NUT | 8 | Cornus nuttallii | Pacific Dogwood | 6'-8' Height | 10'-0" | A/B |
| MAL FUS | 12 | Malus fusca | Pacific Crab Apple | 2" cal | 10'-0" | A |
| THU PLI | 6 | Thuja plicata | Western Red Cedar | 6'-8' Height | 20'-0" | A/B |
| SMALL SHRUBS / GROUNDCOVER | QTY | BOTANICAL NAME | COMMON NAME | SIZE | O.C. SPACING | CONDITION |
| COR KEL | 0 | Cornus kelseyii | Kelsey Dogwood | #1 | 1'-0" | A/B |
| SYM ALB | 118 | Symphoricarpos alba | Snowberry | #1 | 3'-0" | A/B |
| HERBACIOUS | QTY | BOTANICAL NAME | COMMON NAME | SIZE | O.C. SPACING | CONDITION |
| CAR TES | 2729 | Carex testacea | New Zealand Orange Sedge | #1 | 1'-0" | A |
| JUN PAT | 2727 | Juncus patens | Spreading Rush | #1 | 1'-0" | A/B |
| SCI MIC | 2727 | Scirpus microcarpus | Smallfruited bullrush | #1 | 1'-0" | A |



- NOTES**
1. Trees planted too deeply will not be accepted.
 2. Remove tree ties and stakes one year after planting unless directed otherwise.
 3. Provide trees planted in lawn with minimum 5 foot diameter bark area. Hold bark away from trunk.
 4. Remove burlap from top of root ball.

DECIDUOUS TREE PLANTING

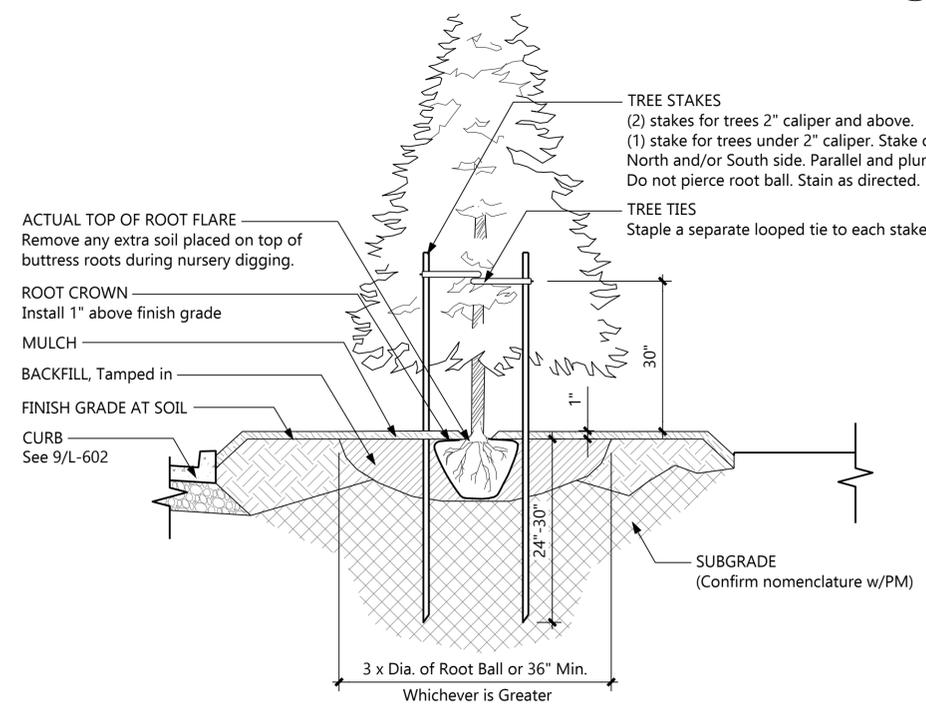
NTS **3**



- NOTES**
1. Finish Grade of soil material to be flush with adjacent paving. Mulch is in addition.

PLANT BED - AT GRADE

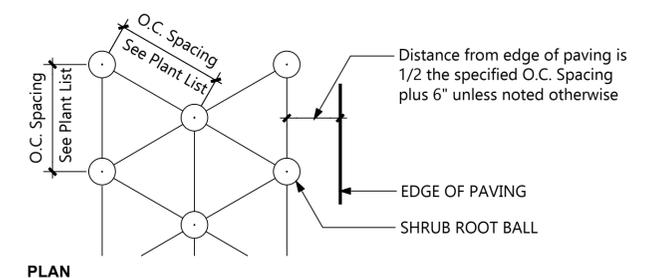
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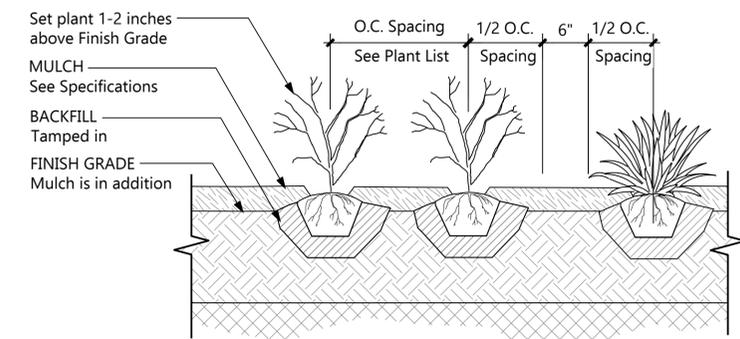
- NOTES**
1. Trees planted too deeply will not be accepted.
 2. Remove tree ties and stakes one year after planting unless directed otherwise.
 3. Provide trees planted in lawn with minimum 5 foot diameter bark area. Hold bark away from trunk.
 4. Remove burlap from top of root ball.

CONIFEROUS TREE PLANTING

NTS **4**



PLAN



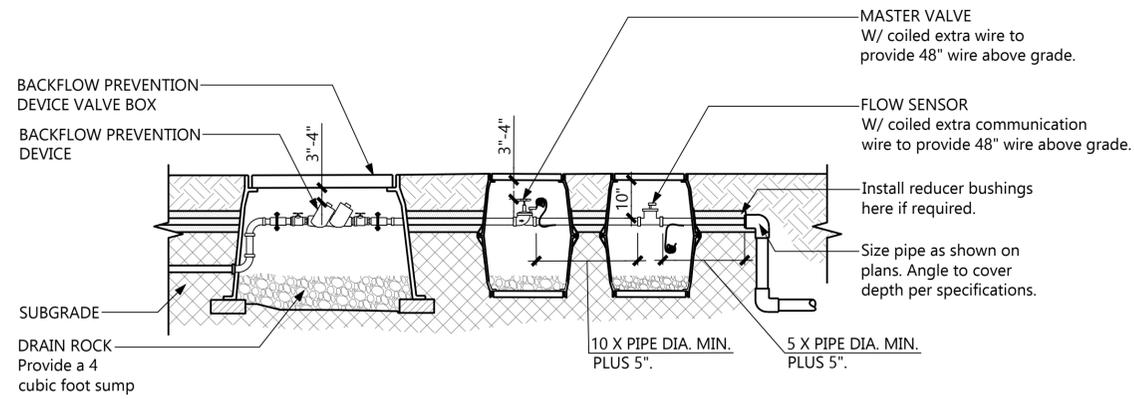
SECTION

- NOTE**
1. Allow additional spacing, minimum 6" + O.C. spacing, between plants of a different species. Cluster plants of same species while allowing extra space between plants of a different species. Coordinate with Owner's Representative prior to installation. See Specifications for mock-up requirements.

TRIANGULAR SHRUB SPACING

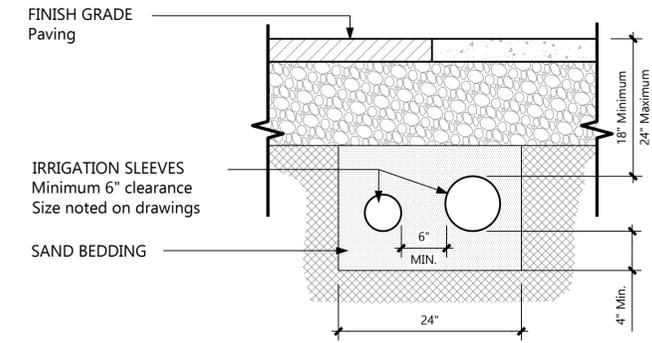
NTS **2**

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BACK FLOW PREVENTOR, MASTER VALVE, FLOW SENSOR

NTS 6

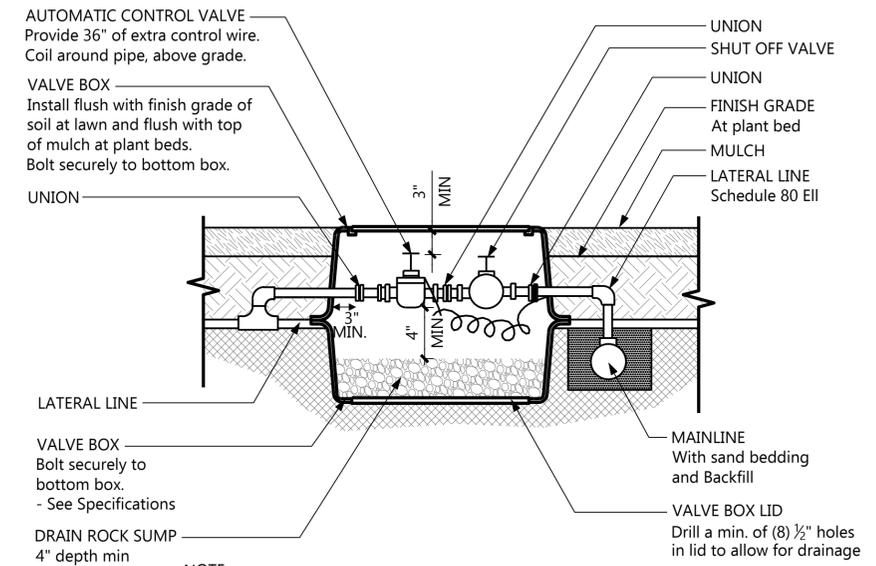


NOTES

1. Extend sleeves beyond pavement edge or back of curb as noted in specification. Cover open ends with duct tape
2. Install 2 x 4 red-top, wood location stakes @ both ends of sleeves and leave 2" above top of curb or pavement.

IRRIGATION SLEEVES

NTS 1

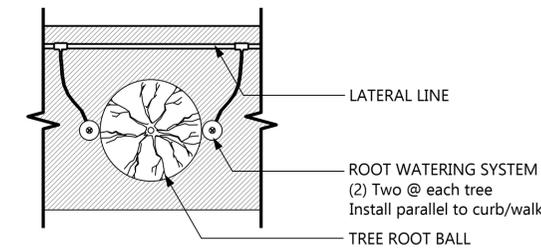


NOTE

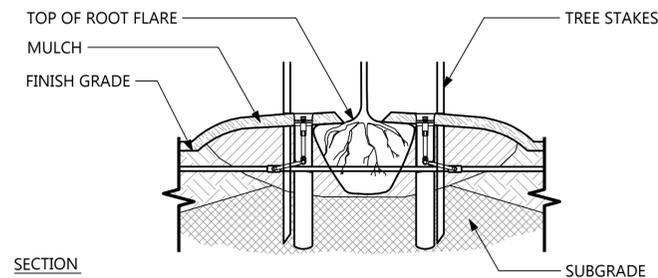
1. Use teflon tape on all threaded joints.

ZONE VALVE ASSEMBLY

NTS 2



PLAN



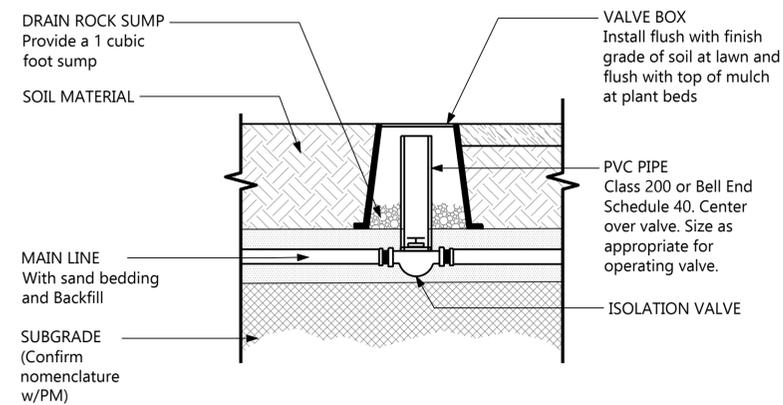
SECTION

NOTES

1. Position Root Zone Watering Assembly evenly and spaced around root ball of tree.
2. Install top of Root Watering System even with top of mulch.
3. Maintain 6" minimum clearance from edge of adjacent pavement, curb, or wall
4. Install Tree according to tree installation detail indication on drawings

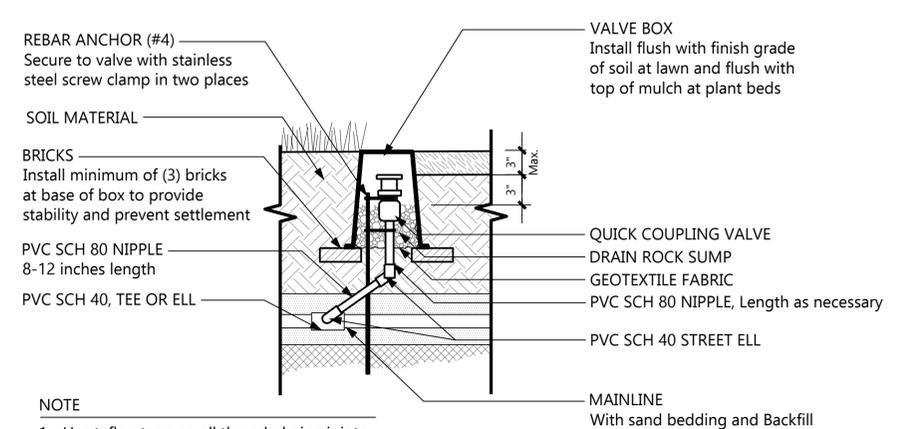
TREE ROOT WATERING SYSTEM
Smaller than 4" caliper or 20'-0" height

NTS 5



ISOLATION VALVE ASSEMBLY

NTS 4



NOTE

1. Use teflon tape on all threaded pipe joints.

QUICK COUPLER ASSEMBLY

NTS 3

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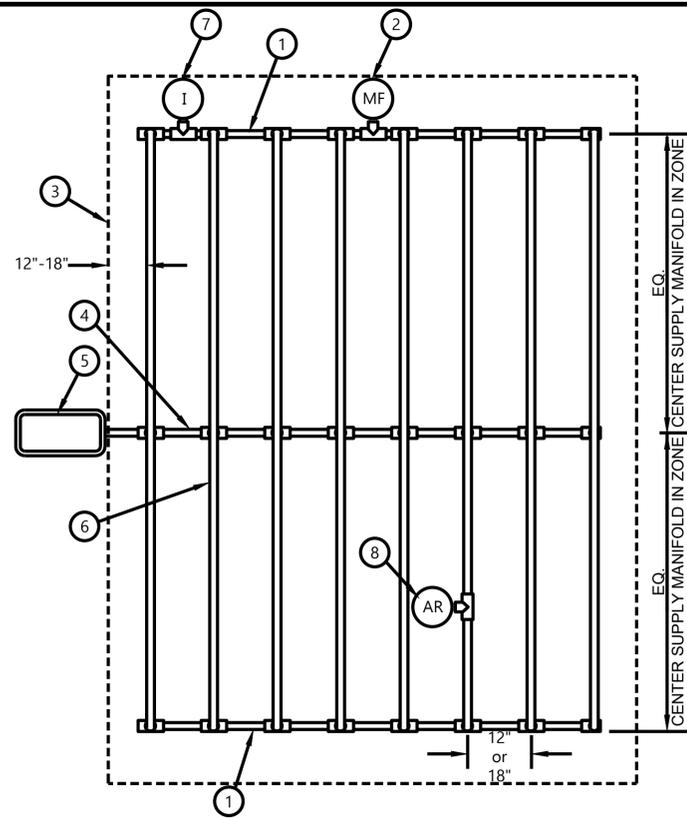
CLACKAMAS COUNTY COURTHOUSE LOOP ROAD
EXTENSION & PARKING LOT F

CLACKAMAS COUNTY, OR
1000 COURTHOUSE RD,
OREGON CITY, 97045

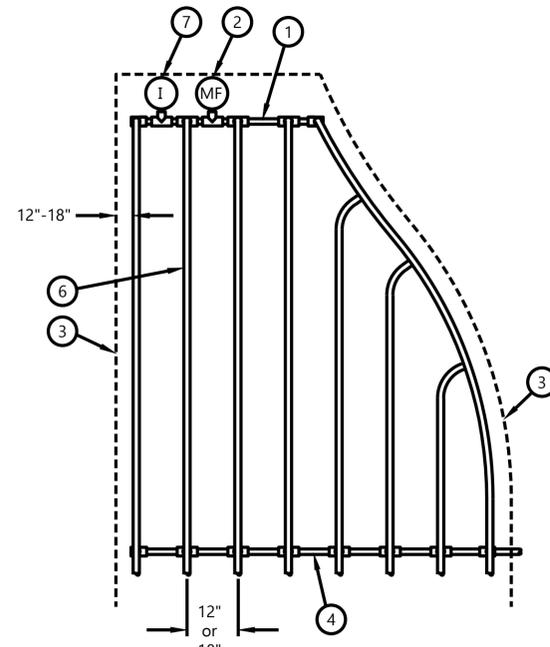
100%
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09/11/2023
REVISIONS

74-23103-00
IRRIGATION
DETAILS

L601



STANDARD LAYOUT DETAIL



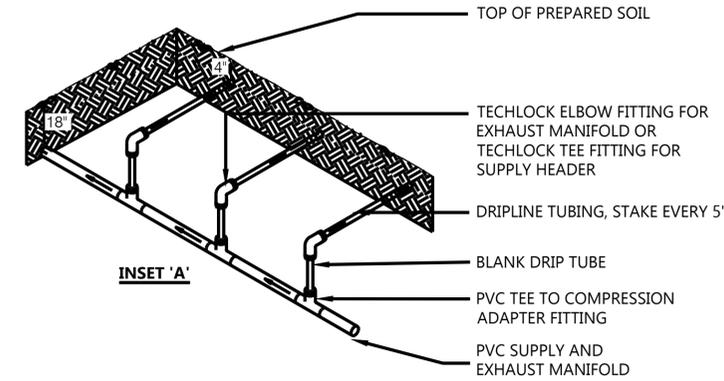
IRREGULAR LAYOUT DETAIL

DESIGN ASSUMPTIONS:

| | |
|---|---|
| HDL-04-12-CV | HDL-04-18-CV |
| 60 PSI design pressure 747 lf max. single run length | 60 PSI design pressure 529 lf max. single run length |

KEY NOTES:

- 1 1" PVC EXHAUST HEADER, SEE INSET 'A' FOR DETAILS
- 2 MANUAL LINE FLUSHING VALVE (1 PER VALVE)
- 3 PERIMETER OF AREA, CURB OR SIDEWALK.
- 4 1.5" PVC SUPPLY HEADER, SEE INSET 'A' FOR DETAILS
END-FEED LAYOUT IS ACCEPTABLE WHERE CENTER FEED IS NOT PRACTICAL.
- 5 DRIP ZONE CONTROL VALVE ASSEMBLY
(LOCATE WITHIN PLANT BED AREA)
- 6 DRIPLINE PER PLANS
- 7 HUNTER 'ECO-INDICATOR' (1 PER VALVE)
- 8 AIR RELIEF VALVE, PER 4/L-502



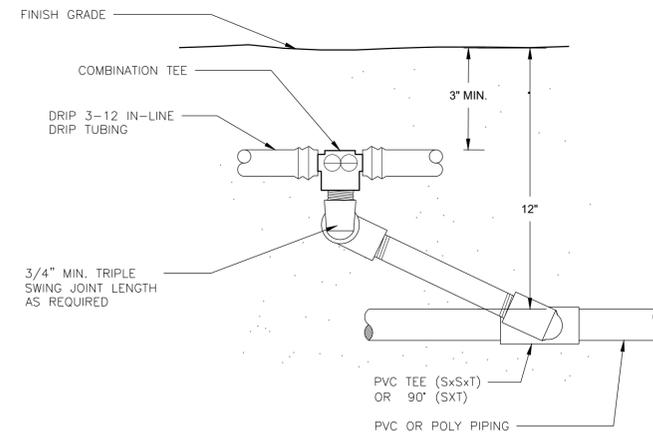
INSET 'A'

DRIP LAYOUT NOTES:

1. USE HUNTER (17MM) FITTINGS AS REQUIRED.
2. INSTALL A MINIMUM OF ONE DRIP INDICATOR PER ZONE WITHIN EYE SIGHT OF DRIP VALVE.
3. CENTER FEED LAYOUTS ALLOW FOR 2X MAX TUBING LENGTH OF END FEED LAYOUTS.
4. REFER TO DRIP IRRIGATION LAYOUT @ SLOPE WHEN ELEVATION WITHIN A ZONE EXCEEDS 8.5' OF ELEVATION CHANGE.
5. INSTALL AIR RELIEF VALVE AT HIGHEST POINT IN SYSTEM.
6. STAPLE DRIP TUBE EVERY 5' USING TL56 OR APPROVED.

DRIP SYSTEM LAYOUT - TYPE 1
LINEAR PLANT BED (HEADER)

NTS 1



DRIP START VALVE
SYSTEM TYPE 2

NTS 3

KEY NOTES:

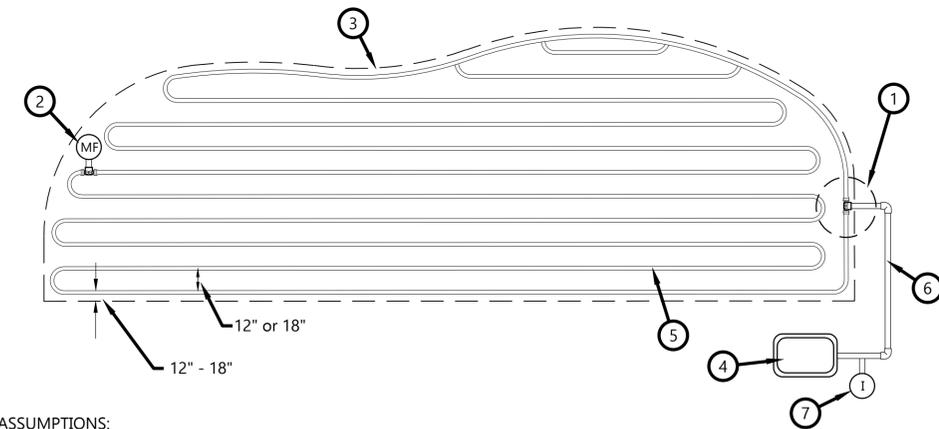
- 1 START CONNECTION PER DETAIL 3/L602
- 2 MANUAL LINE FLUSHING VALVE (1 PER VALVE)
- 3 PERIMETER OF AREA, CURB OR SIDEWALK.
- 4 DRIP ZONE CONTROL VALVE ASSEMBLY
(LOCATE WITHIN PLANT BED AREA)
- 5 DRIPLINE PER PLANS
- 6 1" PVC SUPPLY
- 7 HUNTER 'ECO-INDICATOR' (1 PER VALVE)

DRIP LAYOUT NOTES:

1. USE HUNTER (17MM) FITTINGS AS REQUIRED.
2. INSTALL A MINIMUM OF ONE DRIP INDICATOR PER ZONE WITHIN EYE SIGHT OF DRIP VALVE.
3. REFER TO DRIP IRRIGATION LAYOUT @ SLOPE WHEN ELEVATION WITHIN A ZONE EXCEEDS 8.5' OF ELEVATION CHANGE.
4. STAPLE DRIP TUBE EVERY 5' USING TL56 OR APPROVED STAPLES.

DESIGN ASSUMPTIONS:

| | |
|--|--|
| HDL-04-12-CV | HDL-04-18-CV |
| 60 PSI design pressure. 747 lf max. single run length. 1,494 lf tubing with type drip system approach (center feed with start connection). | 60 PSI design pressure. 529 lf max. single run length. 1,058 lf tubing with type drip system approach (center feed with start connection). |



DRIP SYSTEM LAYOUT - TYPE 2
NON-LINEAR PLANT BED

NTS 2

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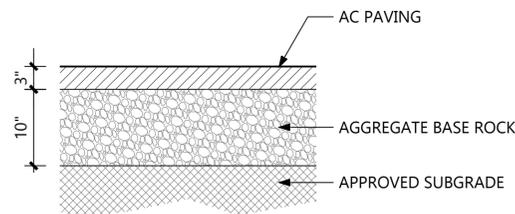
CLACKAMAS COUNTY COURTHOUSE LOOP ROAD
EXTENSION & PARKING LOT F

CLACKAMAS COUNTY, OR
1000 COURTHOUSE RD.
OREGON CITY, 97045

100%
CD / PERMIT SET
09/11/2023
REVISIONS

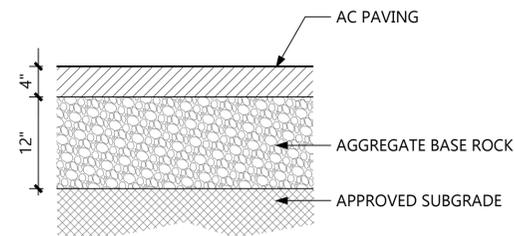
74-23103-00
IRRIGATION
DETAILS

L602



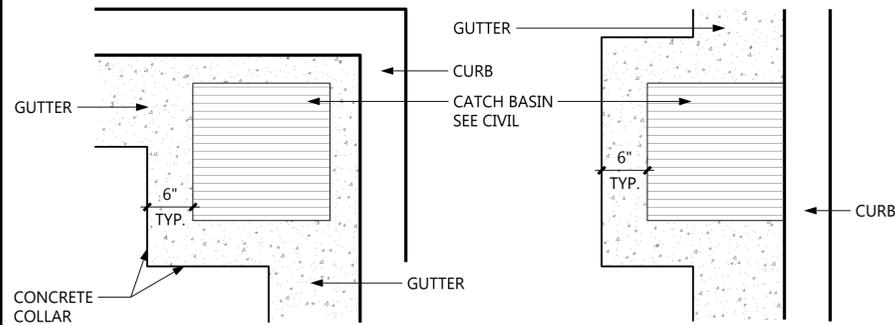
AC PAVING PROFILE - TYPE 1

NTS 7



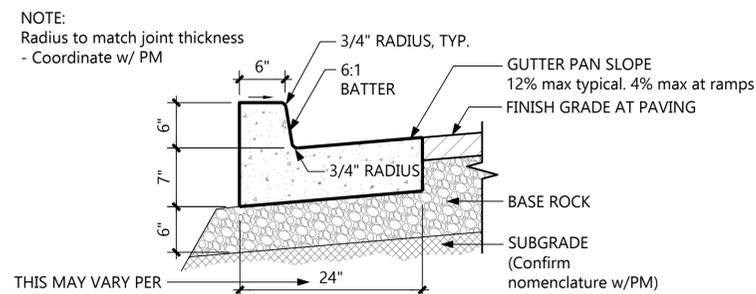
AC PAVING PROFILE - TYPE 2

NTS 8



CONCRETE COLLAR AT CATCH BASINS

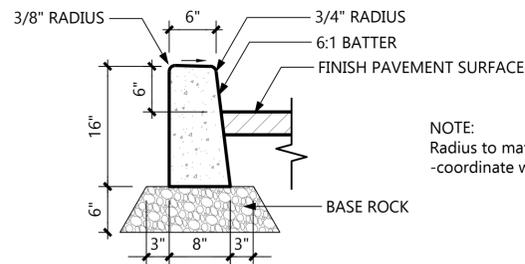
NTS 9



- NOTES
1. Slope top of curb toward gutter at 1.5%.
 2. Provide smooth transitions from and to connecting valley gutters.
 3. Match direction of gutter bar pitch to pitch of adjacent paving.
 4. Provide expansion joints @ 200' O.C. Max and @ all points of tangency.
 5. Sawcut green control joints @ 15' O.C. max.

CONCRETE CURB AND GUTTER

NTS 10



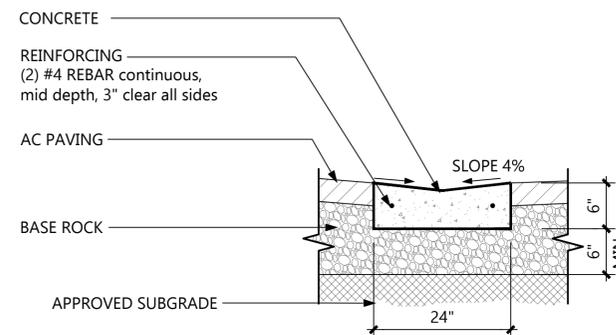
NOTE:
Radius to match joint thickness
-coordinate w/ PM

NOTES

1. Slope top of curb toward AC at 1.5% .
2. Provide expansion joints @ 200' o.c. max. and @ all points of tangency.
3. Sawcut green concrete control joints @ 15' max.
4. Drop top of curb @ ramp and aprons.

CONCRETE CURB - STANDARD

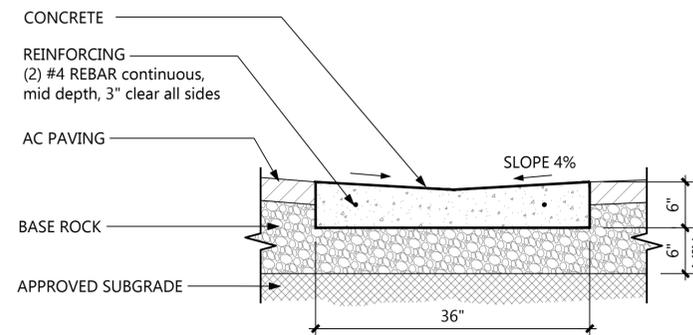
NTS 4



- NOTES
1. Provide expansion joints @ 100' O.C. Max and @ all points of tangency.
 2. Sawcut green control joints @ 20' O.C.

TYPE 1 VALLEY GUTTER

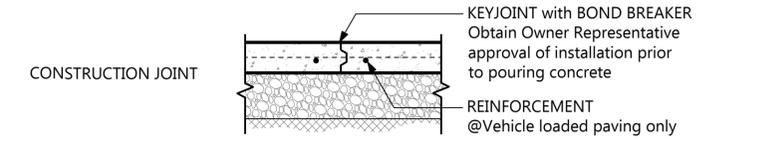
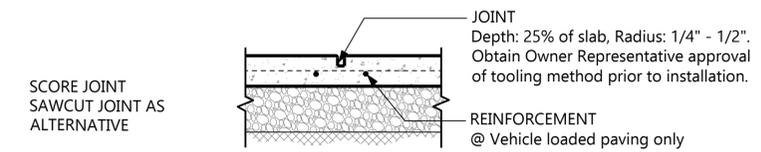
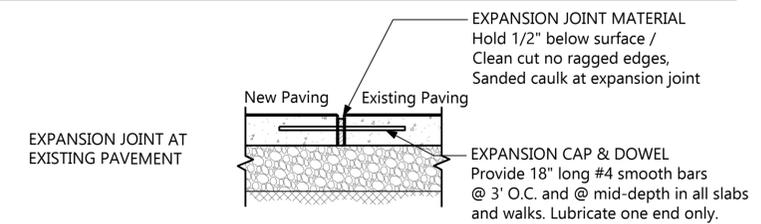
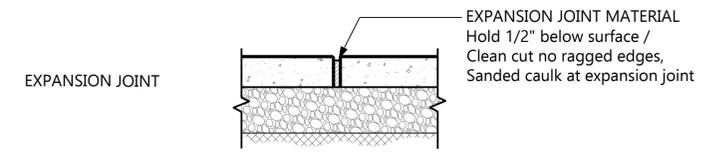
NTS 5



- NOTES
1. Provide expansion joints @ 100' O.C. Max and @ all points of tangency.
 2. Sawcut green control joints @ 20' O.C.

TYPE 2 VALLEY GUTTER

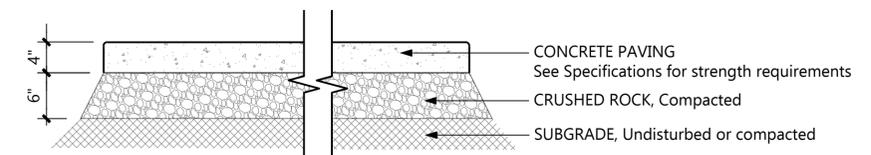
NTS 6



- NOTES
1. Locate joints where shown on Drawings and as Specified.
 2. Provide sample of concrete joint finishing tools for approval of joint radius and depth.
 3. Provide sanded caulk joint at all expansion joints. Coordinate color with Owner's Representative.

CONCRETE JOINTS

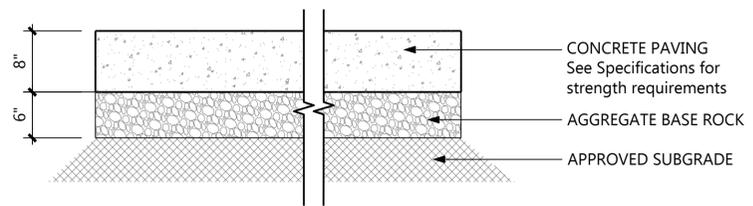
NTS 1



- NOTES
1. See specifications for concrete finish.
 2. Construct 1/2" radius at edge of paving.

CONCRETE PAVING - STANDARD PROFILE

NTS 2



- NOTES
1. See specifications for concrete finish.
 2. Construct 1/2 inch radius at edge of paving.

CONCRETE PAVING - VEHICULAR PROFILE

NTS 3

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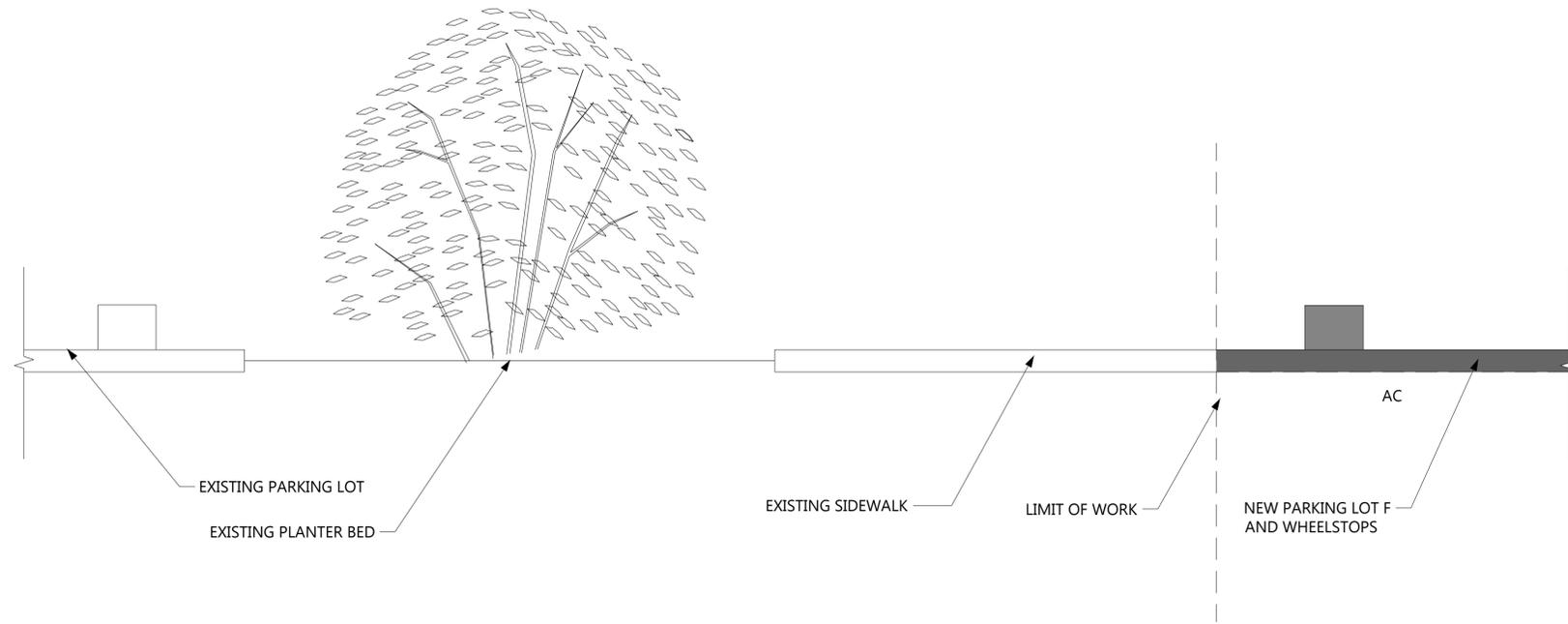
CLACKAMAS COUNTY COURTHOUSE LOOP ROAD
EXTENSION & PARKING LOT F

CLACKAMAS COUNTY, OR
1000 COURTHOUSE RD,
OREGON CITY, 97045

100%
CD / PERMIT SET
09/11/2023
REVISIONS

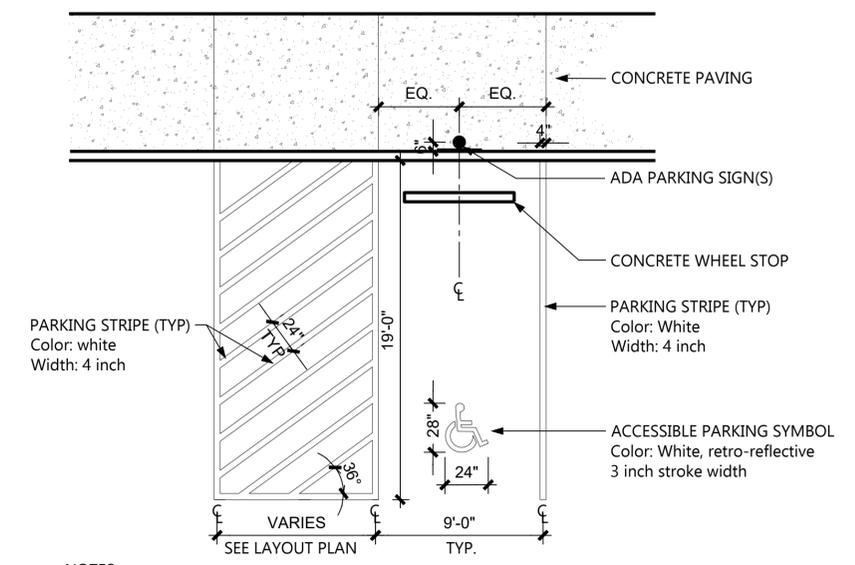
74-23103-00
SITE
DETAILS

L603



SITE SECTION AT NORTH PARKING LOT

NTS 3

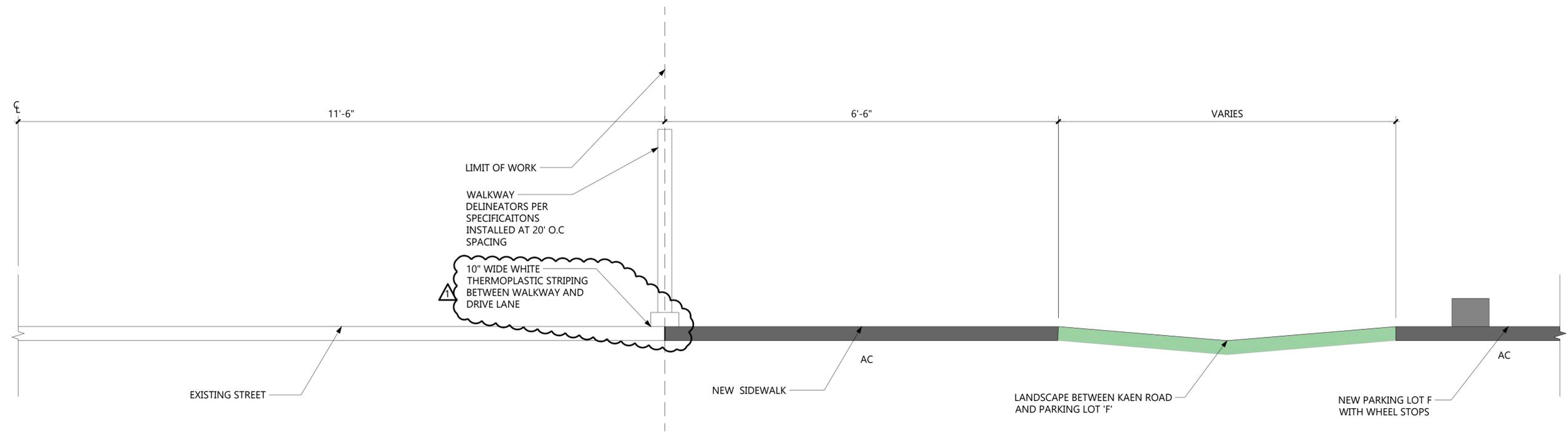


NOTES

1. Accessible markings shall conform to State of Oregon Standards, ORS 447.233, and any other applicable codes.
2. Refer to ORS 447.233 for required pavement markings and associated sizes, at parking stalls.
3. Refer to ORS 447.233 for signage requirement at parking stall loading/unloading aisles.

ADA PARKING STRIPING

NTS 1



SITE SECTION AT KAEN ROAD

NTS 2

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EXTENSION & PARKING LOT F

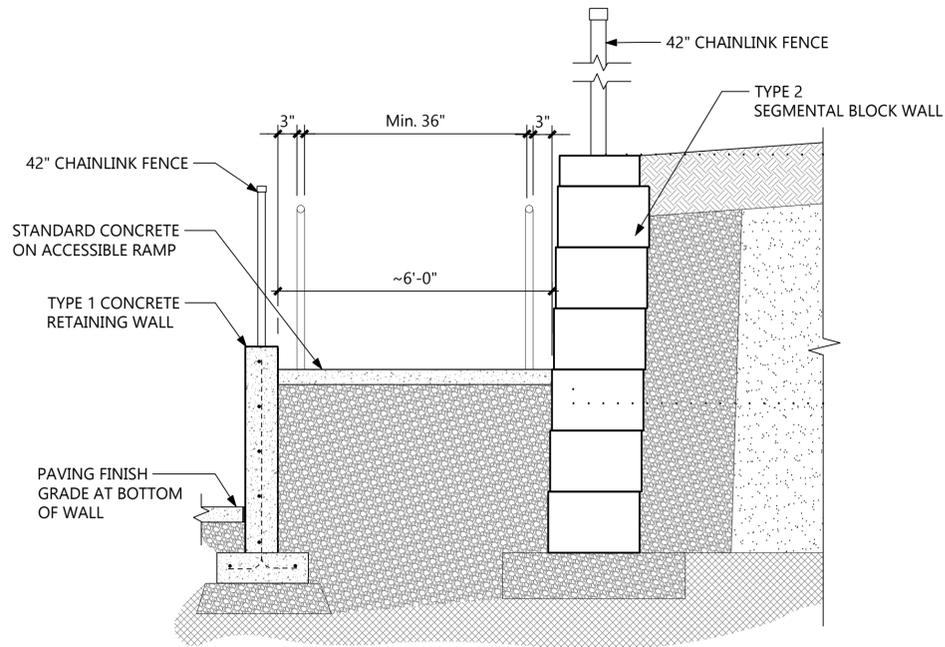
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100%
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09/11/2023
REVISIONS
▲ JAN. 08, 2024

74-23103-00
SITE
DETAILS

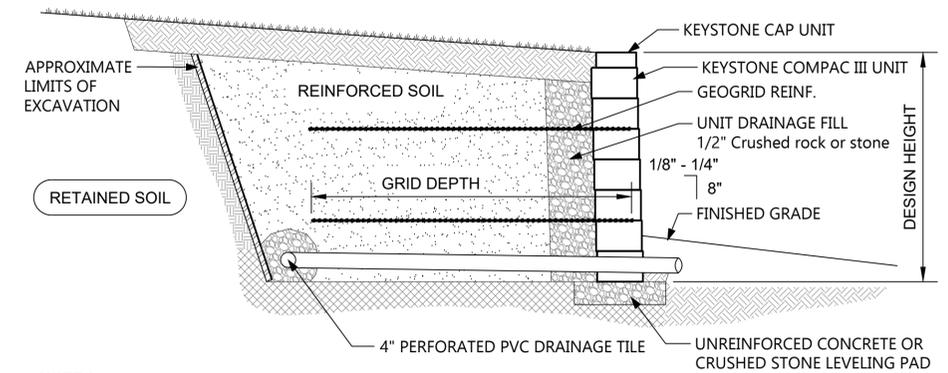
L604

Autodesk Docs://74-23103-00 Clackamas CC Loop Road/74-23103-00_CCC Loop Road_AR_2022.rvt 5/19/2023 3:55:10 PM



RAMP SECTION

NTS 3

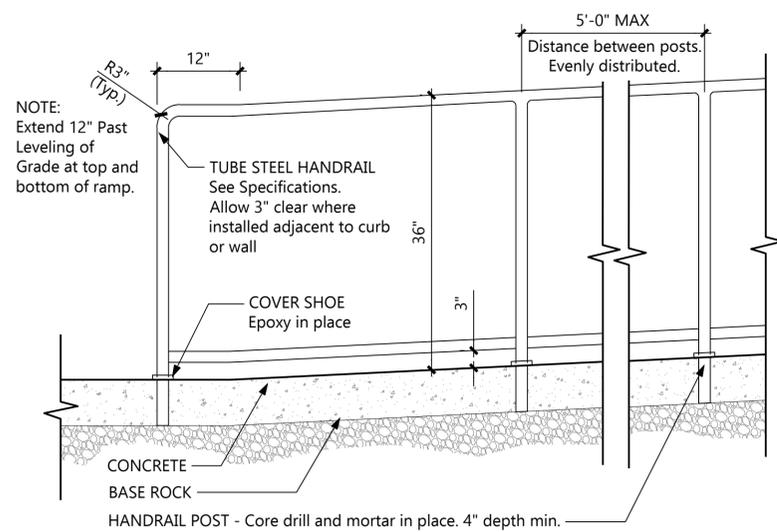


NOTES:

1. Detail provided for reference only. Contractor to provide stamped and engineered wall drawings for final approval.
2. Product: Keystone Compac iii
3. Coordinate fence installation with wall details.
4. Geogrid location to be determined by shop drawings. Use Marafi Miragrid 5XT or approved.

TYPE 2 SEGMENTAL BLOCK WALL
FOR REFERENCE ONLY - CONTRACTOR DESIGNED

NTS 1

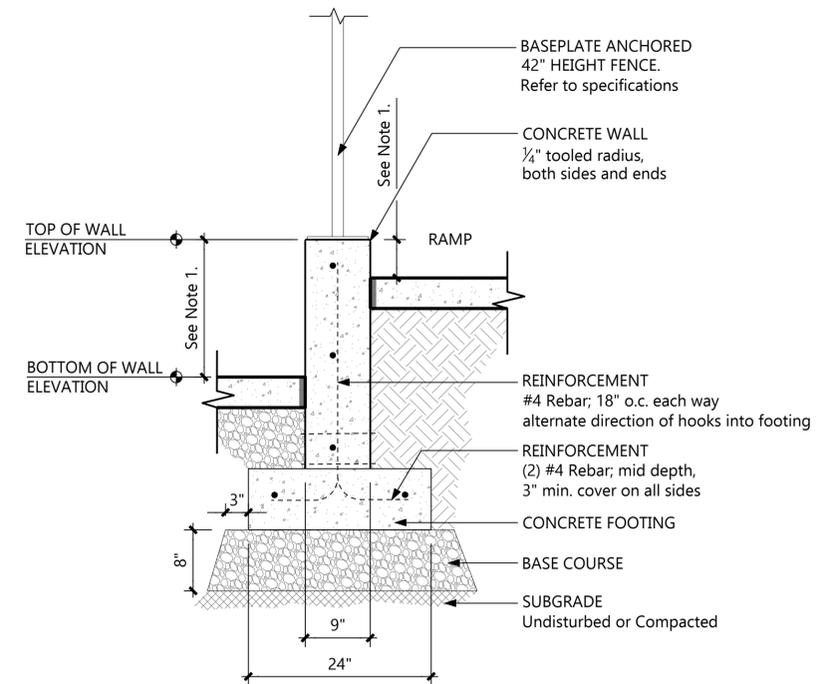


NOTE

1. Powder coat tube steel, color = black
2. Handrail diameter to meet ADA requirements for size.

HANDRAIL DETAIL
AT RAMP

NTS 4



NOTES

1. See Grading Plan for top of wall/bottom of wall elevation.
2. Wall Finish: Sack and Rub
3. Install liquid-applied damp proofing to back of wall, 6\"/>

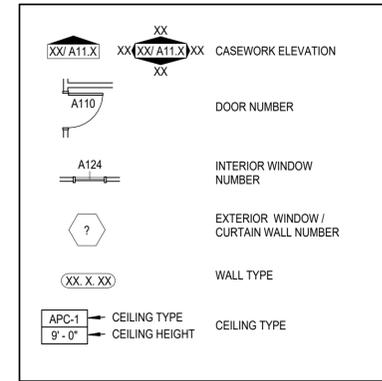
TYPE 1 CONCRETE WALL

NTS 2

ARCHITECTURAL ABBREVIATIONS

| | | | | | | | |
|-------|-----------------------------------|-------|--|---------|--|--------|-----------------------------------|
| A/E | ARCHITECT/ENGINEER | F | FABRIC | MB | MOP BASIN | ST | STAIR |
| AB | AIR BARRIER | F.O. | FACE OF | MBD | MARKER BOARD | STAG/D | STAGGERED |
| ABS | ASBESTOS | FAB | FABRICATE(D) | MBH | MOP/BROOM HOLDER | STC | SOUND TRANSMISSION CLASS |
| ACC | ADA ACCESSIBLE | FB | FACE BRICK | MC | MEDICINE CABINET | STRG | STRINGER |
| ACR | ACRYLIC | FD | FLOOR DRAIN | MEMB | MEMBRANE | SUBFL | SUBFLOOR |
| ACT | ACOUSTIC CEILING TILE | FDN | FOUNDATION | MH | MANHOLE | SUL | SULPHUR |
| AD | ACCESS DOOR | FE | FIRE EXTINGUISHER | MR/S | MIRROR WITH SHELF | SURF | SURFACE |
| ADJ | ADJUSTABLE | FEC | FIRE EXTINGUISHER CABINET | MTD | MOUNTED | SUSP | SUSPENDED |
| ADJT | ADJACENT | FF | FINISH FLOOR | MTG | MOUNTING | SVF | SHEET VINYL FLOORING |
| ADMIN | ADMINISTRATION | FH | FIRE HYDRANT | MUL | MULLION | SVF | SERVICE FIXTURE |
| AEC | AUTOMATED EXTERNAL DEFIBRILLATORS | FHC | FIRE HOSE CABINET | | | SVG | SERVICE FIXTURE GROUP |
| AL | ALUMINUM | FIG | FIGURE | NC | NOISE CRITERIA | T | TREAD |
| ALUM | ALUMINUM | FIX | FIXTURE | NFPA | NATIONAL FIRE PROTECTION ASSOCIATION | T&G | TONGUE AND GROOVE |
| AP | ACCESS PANEL | FLASH | FLASHING | NOM | NOMINAL | T.O. | TOP OF |
| APC | ACOUSTIC PANEL CEILING | FLEX | FLEXIBLE | O to O | OUT TO OUT | TAN | TANGENT |
| ASPH | ASPHALT | FLG | FLOORING | OA | OVERALL | TB | TOWEL BAR |
| AUTO | AUTOMATIC | FLM | FULL LENGTH MIRROR | OCFI | OWNER FURNISHED CONTRACTOR INSTALLED | TBD | TACK BOARD |
| AVG | AVERAGE | FLUOR | FLUORESCENT | OFF | OFFICE | TOP | TOILET COMPARTMENT PARTITION |
| AWP | ACOUSTIC WALL PANEL | FO | FINISH OPENING | OFI | OWNER FURNISHED OWNER INSTALLED | TERR | TERRAZZO |
| B.O. | BOTTOM OF | FOF | FACE OF CONCRETE | OH | OPPOSITE HAND | TFG | TINTED FLOAT GLASS |
| BCS | BABY CHANGING STATION | FOM | FACE OF FINISH | OPG(S) | OPENING(S) | TG | TEMPERED GLASS |
| BD | BOARD | FOS | FACE OF STUD | OSHA | OPERATIONAL SAFETY AND HEALTH ADMINISTRATION | TH | THRESHOLD |
| BLK | BLOCK | FOW | FACE OF WALL | OTB | OPEN TO BELOW | THK | THICK(NESS) |
| BLKG | BLOCKING | FP | FIREPROOFING | OVFL | OVERFLOW | TI | TENANT IMPROVEMENT |
| BLKHD | BULKHEAD | FR | FIRE RESISTANT | P | PAINT | TIG | TINTED INSULATING GLASS |
| BM(S) | BEAM(S) | FRP | FIBERGLASS REINFORCED PANEL | PAN B | PANIC BOLT | TMR | TILT MIRROR UNIT |
| BOT | BOTTOM | FRT | FIRE RESISTANCE TREATED | PB | PARTICLE BOARD | TOIL | TOILET |
| BRDG | BRIDGING | FS | FLOOR SINK | PC | PRECAST CONCRETE | TOP | TOP OF PAVING |
| BRG | BEARING | FSS | FOLDING SHOWER SEAT | PCD | PAPER CUP DISPENSER | TRANS | TRANSVERSE |
| BRKT | BRACKET | FTG | FOOTING | PCT | PORCELAIN CERAMIC TILE | TT | TERRAZZO TILE |
| BT | BATHTUB | FVC | FIRE VALVE CABINET | PD | PANIC DEVICE | TTD | TOILET TISSUE DISPENSER |
| BTWN | BETWEEN | FWC | FABRIC WALL COVERING | PERF | PERFORATED | TTG | TINTED TEMPERED FLOAT GLASS |
| | | | | PERP | PERPENDICULAR | TW | TACK WALL |
| | | G | GROUT | PG | PATTERN GLASS | | |
| | | GA | GAUGE | PIC | PORTABLE INSTRUMENT CONNECTION | UL | UNDERWRITERS LABORATORIES |
| | | GAL | GALLON | PIG | PATTERN INSULATING GLASS | UR | URINAL |
| | | GALV | GALVANIZED | PL | PLATE | US | UTILITY SHELF |
| | | GB | GRAB BAR | PL | PROPERTY LINE | UTIL | UTILITY |
| | | GD | GARBAGE DISPOSAL | PL | PLASTIC LAMINATE | | |
| | | GEN | GENERAL | PLAM | PLASTIC LAMINATE | VB | VAPOR BARRIER |
| | | GFA | GROSS FLOOR AREA | PLBG | PLUMBING | VB | VINYL BASE |
| | | GL | GLUE LAMINATED | PR | PAIR | VCB | VENTED COVE BASE |
| | | GL | GLASS | PREFAB | PREFABRICATED | VF | VINYL FLOOR |
| | | GMP | GUARANTEED MAXIMUM PRICE | PROJ | PROJECT(OR) (ION) | VOC | VOLATILE ORGANIC COMPOUND |
| | | GR | GUARD RAIL | PS | PROJECTION SCREEN | VOL | VOLUME |
| | | GR | GRADE | PT | POINT | VP | VENEER PLASTER |
| | | GRS | GALVANIZED RIGID STEEL | PT | POINT OF TANGENCY | VT | VINYL TILE |
| | | GWB | GYP SUM WALL BOARD | PTD | PAPER TOWEL DISPENSER | VWC | VINYL WALL COVERING |
| | | GYP | GYP SUM | PTDR | COMBINATION TOWEL DISPENSER/RECEPTACLE | | |
| | | | | PTN | PARTITION | W | WIDE |
| | | HC | HOLLOW CORE | PTN | PARTITION | WB | WALL BASE |
| | | HD | HAND DRYER | PVC | POLYVINYL CHLORIDE | WC | WATER CLOSET |
| | | HDF | HIGH DENSITY FIBERBOARD | PWL | SOUND POWER LEVEL | WC | WALL COVERING |
| | | HDR | HEADER | QGV | QUAD GAS VALVE | WCL | WATER CLOSET/LAVATORY COMBINATION |
| | | HDWD | HARDWOOD | QT | QUARRY TILE | WD | WOOD |
| | | HDWR | HARDWARE | QTR RND | QUARTER ROUND | WDF | WOOD FLOORING |
| | | HM | HOLLOW METAL | | | WDW | WINDOW |
| | | HR | HOUR | R | RISER | WG | POLISHED WIRE GLASS |
| | | HR | HANDRAIL | RAD | RADIUS | WI | WROUGHT IRON |
| | | HS | HARDWARE SET | RB | RUBBER BASE | WOM | WALK OFF MAT |
| | | HSS | HOLLOW STRUCTURAL SHAPE | RC | REMOTE CONTROL | WR | WASTE RECEPTACLE |
| | | HVAC | HEATING VENTILATING AND AIR CONDITIONING | RCP | REFLECTED CEILING PLAN | WRB | WEATHER RESISTANT BARRIER |
| | | | | RD | ROOF DRAIN | WW | WARM WHITE |
| | | IAW | IN ACCORDANCE WITH | REF | REFERENCE | WWF | WELDED WIRE FABRIC |
| | | ID | INSIDE DIAMETER | REFL | REFLECTED | | |
| | | IF | INSIDE FACE | REM | REMOVABLE | YD | YARD |
| | | IIP | INSULATED INFILL PANEL GLASS | RESIL | RESILIENT | | |
| | | IJ | ISOLATION JOINT | RF | RESILIENT FLOORING | | |
| | | IS | IN JOIST SPACE | RF | RUBBER FLOOR | | |
| | | INC | INCLUDE(ING) | RFM | RECESSED FLOOR MAT | | |
| | | INSUL | INSULATION | RH | ROBE HOOK | | |
| | | | | RI&C | ROUGH IN AND CONNECT | | |
| | | JAN | JANITOR | S | SINK | | |
| | | JBE | JOIST BEARING ELEVATION | SAT | SPRAYED ACOUSTIC TREATMENT | | |
| | | JBX | JUNCTION BOX | SAW | SOUND ABSORBING WALL UNITS | | |
| | | JCT | JUNCTION | SB | SPLASH BLOCK | | |
| | | JFB | JOINT FILLER BOARD | SC | SOLID CORE | | |
| | | JST | JOIST | SC | SHOWER CURTAIN | | |
| | | JT | JOINT | SCD | SEAT COVER DISPENSER | | |
| | | | | SCH | SHOWER CURTAIN HOOK | | |
| | | KCJ | KEYED CONSTRUCTION JOINT | SCR | SHOWER CURTAIN ROD | | |
| | | KD | KNOCKDOWN | SCT | STRUCTURAL CLAY TILE | | |
| | | KH | KITCHEN HOOD | SD | SOAP DISPENSER | | |
| | | KIT | KITCHEN | SECY | SECRETARY | | |
| | | L | ANGLE | SF | SQUARE FEET | | |
| | | LAB | LABORATORY | SG | SPANDREL GLASS | | |
| | | LAM | LAMINATED | SG | SPECIALTY GLASS | | |
| | | LAV | LAVATORY | SGL | SINGLE | | |
| | | LBR | LUMBER | SGV | SINGLE GAS VALVE | | |
| | | LDG | LOADING | SH | SHOWER | | |
| | | LF | LINEAR FOOT | SHM | SECURITY HOLLOW METAL | | |
| | | LG | LENGTH (LONG) | SLNT | SEALANT | | |
| | | LG | LAMINATED GLASS | SM | SHEET METAL | | |
| | | LIN | LINEAR | SND | SANITARY NAPKIN DISPOSAL | | |
| | | LINO | LINOLEUM | SNV | SANITARY NAPKIN VENDOR | | |
| | | LKR | LOCKER | SO | SENSOR OPERATED | | |
| | | LOC | LOCATION | SPL | SOUND PRESSURE LEVEL | | |
| | | LONG | LONGITUDINAL | SQ | SQUARE | | |
| | | LSC | LIFE SAFETY CODE | SR | SURFACE MOUNTED ELECTRICAL RACEWAY | | |
| | | LTG | LIGHTING | SS | SOLID SURFACE | | |
| | | LV | LOUVER | SSA | STORM SHELTER AREA | | |
| | | LVT | LUXURY VINYL TILE | SSM | SOLID SURFACE | | |
| | | | | SSS | STAINLESS STEEL SHELF | | |
| | | MAG | MAGNETIC | SST | STAINLESS STEEL | | |
| | | MAINT | MAINTENANCE | ST | STONE | | |
| | | MAN | MANUAL | | | | |
| | | MAS | MASONRY | | | | |
| | | MATL | MATERIAL | | | | |

ARCHITECTURAL SYMBOLS



CLACKAMAS COUNTY COURTHOUSE LOOP ROAD
EXTENSION & PARKING LOT F

DLR GROUP
© DLR Group

CLACKAMAS COUNTY, OR
1000 COURTHOUSE ROAD
OREGON CITY, OR 97045

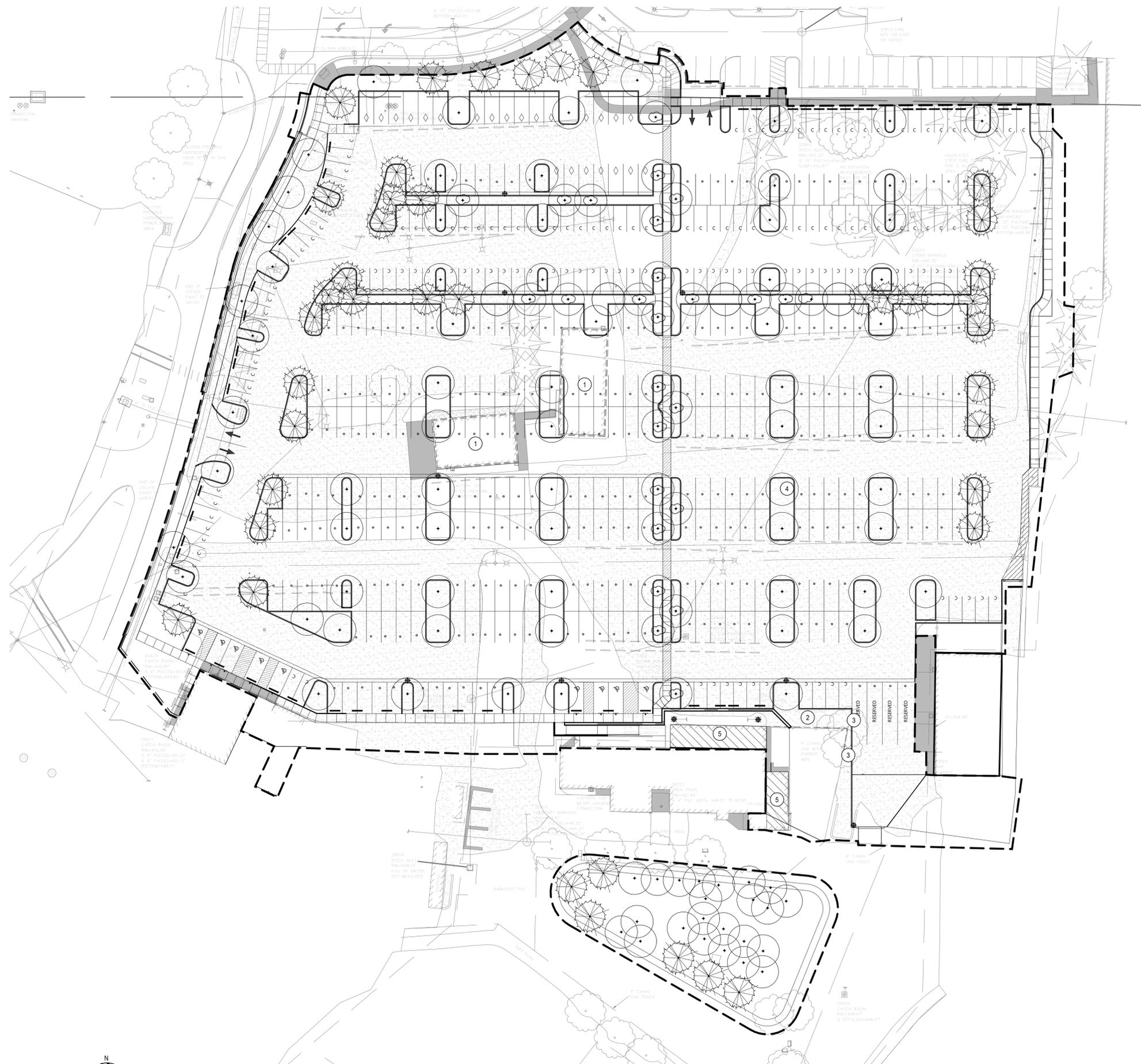
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ADDENDUM #1

REVISIONS
01/08/2024

74-23103-00

GENERAL NOTES,
ARCHITECTURAL
SYMBOLS &
ABBREVIATIONS

A0.1



OVERALL DEMOLITION PLAN, LEVEL 1

SCALE: 1/32" = 1'-0"

DEMOLITION GENERAL NOTES

DEMOLITION NOTES APPLY TO ALL DEMOLITION SHEETS.

THE CONTRACTOR SHALL:

- A. COORDINATE ALL DEMOLITION AND PHASING EFFORTS WITH THE ARCHITECT AND OWNER'S REPRESENTATIVE. EVERY EFFORT SHALL BE MADE TO MINIMIZE DISRUPTION OF OWNER'S OPERATIONS. EXCESSIVE NOISE OR VIBRATION SHALL BE PRE-APPROVED AND COORDINATED WITH THE OWNER'S REPRESENTATIVE. IN ALL CASES, PROVISIONS SHALL BE MADE FOR USER'S SAFETY.
- B. COORDINATE ANY DISRUPTION OF UTILITY SERVICES WITH THE OWNER AND AS SPECIFIED.
- C. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- D. THE OWNER SHALL RESERVE THE RIGHT TO SALVAGE ANY MATERIALS.
- E. PROVIDE PROTECTION FOR ALL EXISTING BUILDING MATERIALS AND EQUIPMENT FROM DAMAGE DUE TO ANY DEMOLITION OR CONSTRUCTION-RELATED INCIDENT PERFORMED UNDER THIS CONTRACT.
- F. REPAIR OR REPLACE ITEMS THAT ARE DAMAGED AS A RESULT OF DEMOLITION OR CONSTRUCTION TO MATCH EXISTING FINISH AND/OR CONDITION.
- G. EXISTING MATERIALS SHALL NOT BE REUSED UNLESS NOTED OTHERWISE OR AS AUTHORIZED BY ARCHITECT.
- H. VERIFY AND MAINTAIN THE LOCATION OF EXISTING POWER, COMMUNICATION AND DATA CABLES TO PREVENT INTERRUPTION OF THEIR SERVICE.

SHEET NOTES

- 1. BUILDING TO BE DEMOLISHED BY OWNER IN ITS ENTIRETY. ALL GRADING SHALL BE PROVIDED BY CONTRACTOR AFTER FULL REMOVAL IS COMPLETE.
- 2. FENCE AND GATE TO BE REMOVED AND RELOCATED BY OWNER.
- 3. TREE TO BE REMOVED BY OWNER.
- 4. REMOVE ALL SURFACE PAVING, GRAVEL, WHEELSTOPS, ETC. AS INDICATED ON CIVIL AND LANDSCAPE DRAWINGS.
- 5. PORTIONS OF BUILDING TO BE DEMOLISHED BY OWNER. ALL GRADING SHALL BE PROVIDED BY CONTRACTOR AFTER FULL REMOVAL IS COMPLETE.



CLACKAMAS COUNTY COURTHOUSE LOOP ROAD
EXTENSION & PARKING LOT F

CLACKAMAS COUNTY, OR
1000 COURTHOUSE ROAD
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LEVEL 01 -
DEMOLITION
PLAN

AD-111

| | | | |
|-----------|---|------|---|
| (R) | RELOCATED | SWBD | SWITCHBOARD |
| Ø | PHASE | | |
| A | AMPERE | TBB | TELECOMMUNICATIONS BONDING BACKBONE |
| AC | ABOVE COUNTER | TC | TIME CLOCK |
| AF | AMP FRAME (CIRCUIT BREAKER) | TGB | TELECOMMUNICATIONS GRONDING BUSBAR |
| AIC | AMPERE INTERRUPTING CAPACITY | TMGB | TELECOMMUNICATIONS MAIN GRONDING BUSBAR |
| AL | ALUMINUM | TO | TELECOMMUNICATIONS OUTLET |
| AMP | AMPERE | TR | TELECOMMUNICATIONS ROOM |
| AP | WIRELESS ACCESS POINT | TS | TAMPER SWITCH |
| AT | AMP TRIP (CIRCUIT BREAKER OR FUSE) | TV | TELEVISION |
| ATS | AUTOMATIC TRANSFER SWITCH | UG | UNDERGROUND |
| AV | AUDIO VIDEO, AUDIO-VISUAL | UPS | UNINTERRUPTABLE POWER SUPPLY |
| AWG | AMERICAN WIRE GAUGE | V | VOLT |
| BAS | BUILDING AUTOMATION SYSTEM | VA | VOLT-AMPERE |
| BJ | BONDING JUMPER | VFD | VARIABLE FREQUENCY DRIVE |
| BKR | BREAKER | W | WIRE |
| BMS | BUILDING MANAGEMENT SYSTEM | WA | TELECOMMUNICATIONS WORK AREA |
| C | CONDUIT | WG | WIRE GUARD |
| CATV | CABLE TELEVISION | WP | WEATHER-PROOF (NEMA 3R) |
| CB | CIRCUIT BREAKER | | |
| CCTV | CLOSED CIRCUIT TELEVISION | XFMR | TRANSFORMER |
| CFCI | CONTRACTOR FURNISHED CONTRACTOR INSTALLED | | |
| CKT | CIRCUIT | | |
| CTL | CONTROL | | |
| CU | COPPER | | |
| DB | DECIBEL | | |
| DC | DIRECT CURRENT | | |
| DISC | DISCONNECT | | |
| DP | DISTRIBUTION PANELBOARD | | |
| DW | DISHWASHER | | |
| ECS | EMERGENCY COMMUNICATION SYSTEM | | |
| EGB | ELECTRICAL GROUNDING BUSBAR | | |
| EMD | ESTIMATED MAXIMUM DEMAND | | |
| EMGB | ELECTRICAL MAIN GROUNDING BUSBAR | | |
| EP | EXPLOSION PROOF | | |
| ERMS | ENERGY REDUCTION MAINTENANCE SWITCH | | |
| EWC | ELECTRIC WATER COOLER | | |
| FA | FIRE ALARM | | |
| FAA | FIRE ALARM ANNUNCIATOR | | |
| FACP | FIRE ALARM CONTROL PANEL | | |
| FC | FOOT CANDLE | | |
| FLA | FULL LOAD AMPS | | |
| FS | FLOW SWITCH | | |
| FSD | FIRE SMOKE DAMPER | | |
| G | EQUIPMENT GROUNDING CONDUCTOR | | |
| GEN | GENERATOR | | |
| GFI, GFCI | GROUND FAULT CIRCUIT INTERRUPTER | | |
| GFPE | GROUND FAULT PROTECTION OF EQUIPMENT | | |
| GND | EQUIPMENT GROUNDING CONDUCTOR | | |
| HH | HANDHOLE | | |
| HOA | HAND-OFF-AUTOMATIC | | |
| HP | HORSE POWER | | |
| IC | INTERCOM | | |
| IG | ISOLATED GROUND | | |
| JB | JUNCTION BOX | | |
| KAIC | THOUSAND AMPERE INTERRUPTING CIRCUIT | | |
| KV | KILOVOLT | | |
| KVA | KILOVOLT AMPERES | | |
| KW | KILOWATT | | |
| LT | LIGHT | | |
| LTG | LIGHTING | | |
| MCA | MINIMUM CIRCUIT AMPACITY | | |
| MGB | MAIN CIRCUIT BREAKER | | |
| MCC | MOTOR CONTROL CENTER | | |
| MH | MANHOLE | | |
| MLO | MAIN LUGS ONLY | | |
| MOCP | MAXIMUM OVERCURRENT PROTECTION | | |
| MRTS | MOTOR RATED TOGGLE SWITCH | | |
| MSB | MAIN SWITCHBOARD | | |
| MTD | MOUNTED | | |
| MTG | MOUNTING | | |
| MTS | MAIN TRANSFER SWITCH | | |
| N | NEUTRAL | | |
| N.C. | NORMALLY CLOSED | | |
| N.O. | NORMALLY OPEN | | |
| NF | NON-FUSED | | |
| NL | NIGHT LIGHT | | |
| OFCI | OWNER FURNISHED CONTRACTOR INSTALLED | | |
| OS&Y | OUTSIDE SCREW AND YOKE | | |
| P | POLE(S) | | |
| PA | PUBLIC ADDRESS | | |
| PB | PULL BOX | | |
| PH | PHASE | | |
| PIV | POST INDICATOR VALVE | | |
| PNL | PANEL | | |
| PWR | POWER | | |
| RCP | REFLECTED CEILING PLAN | | |
| RECPT | RECEPTACLE | | |
| REF | REFERENCE | | |
| RESP | RESPONSIVE | | |
| SCCR | SHORT CIRCUIT CURRENT RATING | | |
| SD | SMOKE DAMPER | | |
| SEC | SECONDARY | | |
| SPD | SURGE PROTECTION DEVICE | | |

NOTES

GENERAL NOTES

- MODIFICATIONS TO EXISTING POWER DISTRIBUTION EQUIPMENT: MATCH EXISTING MANUFACTURER, SWITCH TYPE, FUSE TYPE, BREAKER TYPE AND KAIC RATING FOR ALL INSTALLED DEVICES.
- EXISTING PANEL DIRECTORIES AT PANELS AFFECTED BY WORK: PROVIDE UPDATED TYPED PANEL DIRECTORY. CONSULT OWNER FOR INPUT ON LABELING OF ALL EXISTING CIRCUITS.
- DEVICES AND LIGHT FIXTURES DENOTED 'ER' ARE EXISTING TO BE RELOCATED. NOTIFY A/E IF DEVICES OR FIXTURES ARE DAMAGED.

GENERAL DEMOLITION NOTES

- ITEMS INDICATED ON DEMOLITION PLANS ARE BASED ON AS-BUILT DRAWINGS AND FIELD OBSERVATIONS AND ARE INTENDED TO GIVE THE BIDDER A GENERAL REPRESENTATION OF EXISTING CONDITIONS.
- REMOVE ALL ITEMS SHOWN FULL-TONE OR NOTED ELSEWHERE IN THE DOCUMENTS TO BE REMOVED OR DEMOLISHED. DEMOLISH ADDITIONAL ITEMS NOT SHOWN ON DRAWINGS, BUT WHICH MUST BE REMOVED TO COMPLETE THE PROJECT.
- ITEMS SHOWN HALF-TONE ARE EXISTING TO REMAIN.
- RELOCATE ITEMS DENOTED 'ER'. SEE LIGHTING, POWER AND/OR SPECIAL SYSTEM SHEETS FOR NEW LOCATIONS. 'ER' IS DEFINED AS EXISTING (TO BE) RELOCATED.
- EXISTING CONDUIT MAY REMAIN IF ALL THE FOLLOWINGS ARE TRUE:
 - IT CAN BE REUSED TO FEED DEVICES INSTALLED UNDER THIS CONTRACT.
 - IT DOES NOT INTERFERE WITH OTHER TRADES.
 - IT WAS ORIGINALLY INSTALLED MEETING SPECIFICATIONS RELATED TO THIS PROJECT.
 - IT WILL NOT BE EXPOSED IN A FINISHED AREA (UNLESS NOTED OTHERWISE).
- PROVIDE ELECTRICAL DEMOLITION ASSOCIATED WITH MECHANICAL EQUIPMENT TO BE REMOVED. IN ADDITION TO DEVICES SHOWN, REFER TO MECHANICAL AND ARCHITECTURAL DEMOLITION SHEETS TO DETERMINE EQUIPMENT TO BE REMOVED.
- MAINTAIN FUNCTIONALITY OF ALL EXISTING LOW VOLTAGE SYSTEMS INCLUDING, BUT NOT LIMITED TO, TELECOM CABLING NETWORKS, INTERCOM, CLOCKS, FIRE ALARM, SAFETY AND SECURITY DURING ALL PHASES OF CONSTRUCTION. PROVIDE TEMPORARY INTERCONNECTIONS AS REQUIRED TO ACCOMMODATE CONSTRUCTION SCHEDULE.

GENERAL SITE PLAN NOTES

- ALL LIGHTING AND POWER CONDUCTORS SHALL BE INSTALLED BETWEEN 24" (MINIMUM) AND 36" (MAXIMUM) BELOW FINISHED GRADE.
- ALL COMMUNICATIONS CONDUIT AND CABLES SHALL BE INSTALLED 36" (MINIMUM) BELOW FINISHED GRADE.
- ALL CONDUCTORS FOR EXTERIOR LIGHTING AND POWER CIRCUITS SHALL BE #10 AWG MINIMUM.
- PROVIDE TRANSFORMER BASE AT ALL POLE MOUNTED FIXTURES, TAP 2 LEGS OF THREE PHASE FEEDER (CIRCUITS DENOTED), PROVIDE BALLAST FUSES AT TAP, AND PROVIDE BRANCH CIRCUITS TO FIXTURES.

GENERAL SITE DEMOLITION NOTES

- SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND CONSTRUCTION. COORDINATE WITH GENERAL CONSTRUCTION.
- DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES AND LIGHTING FIXTURES IN DEMOLITION AREAS UNLESS NOTED OTHERWISE.
- COORDINATE AND VERIFY REQUIREMENTS WITH NEW WORK IN AREA.

GENERAL LIGHTING NOTES

- SEE LIGHT FIXTURE SCHEDULE AND SYMBOLS LEGEND FOR MOUNTING HEIGHTS, UNLESS NOTED OTHERWISE.
- PROVIDE #10AWG MINIMUM CONDUCTORS FOR ALL EXTERIOR LIGHTING CIRCUITS.
- SEE ARCHITECTURAL BUILDING ELEVATIONS FOR LOCATION OF BUILDING MOUNTED EXTERIOR LIGHT FIXTURES.
- PROVIDE BEAD OF SILICONE SEALANT AROUND RECESSED BACK BOX PERIMETER AT ALL BUILDING MOUNTED EXTERIOR LIGHT FIXTURE LOCATIONS.
- CIRCUIT FIXTURES DENOTED WITH 'NL' AS UNSWITCHED NIGHT LIGHTS.
- FIXTURES DENOTED WITH LOWER CASE LETTERS SHALL BE CONTROLLED BY SWITCHES DENOTED WITH THE SAME LOWER CASE LETTER IN EACH ROOM.

GENERAL SYSTEMS NOTES

- DIVISION 26
- TELECOMMUNICATIONS OUTLETS: PROVIDE TWO-GANG BOX (2.25-INCH DEEP MINIMUM) WITH SINGLE-GANG STRAP MOUNT PLASTER RING AND 1-INCH CONDUIT STUBBED INTO ACCESSIBLE SPACE ABOVE FINISHED CEILING (EXCEPTION: VOICE-ONLY OR VIDEO-ONLY OUTLETS PER NOTE BELOW).
 - TELECOMMUNICATIONS OUTLET INDICATED AS ROUGH IN ONLY (NO SUBSCRIPTS); INSTALL PER NOTE ABOVE, WITH BLANK 302SS SINGLE-GANG WALL PLATE.
 - VOICE-ONLY OR VIDEO-ONLY TELECOMMUNICATIONS OUTLET: PROVIDE SINGLE-GANG BOX WITH 1-INCH CONDUIT STUBBED INTO ACCESSIBLE SPACE ABOVE FINISHED CEILING.
 - MISCELLANEOUS LOW VOLTAGE OUTLETS (CALL STATIONS, HANDSETS, VOLUME CONTROL, MICROPHONE OUTLETS, SURFACE-MOUNT WALL SPEAKERS AND FIRE ALARM DEVICES); PROVIDE SINGLE-GANG BOX WITH 3/4-INCH CONDUIT STUBBED INTO ACCESSIBLE SPACE ABOVE FINISHED CEILING.
 - INSULATED BUSHINGS: PROVIDE BUSHINGS ON ALL CONDUIT STUB UPS, INCLUDING BUT NOT LIMITED TO, OUTLETS FOR TELECOMMUNICATIONS, FIRE ALARM, SECURITY, ACCESS CONTROL, MASS NOTIFICATION, PUBLIC ADDRESS, ALL OTHER LOW VOLTAGE INTERCOMMUNICATIONS AND UNUSED STUB-UPS OR STUB-UPS INDICATED FOR FUTURE USE.
 - FLOOR BOXES CONTAINING TELECOMMUNICATIONS OUTLETS: FOR EACH LOW-VOLTAGE COMPARTMENT, ROUTE 1-INCH CONDUIT WITH PULL STRING UNDERFLOOR, UP NEAREST WALL, AND STUB INTO ACCESSIBLE SPACE ABOVE FINISHED CEILING. LABEL CONDUIT END 'FLOOR BOX'.
 - SLEEVES FOR LOW VOLTAGE CABLES: PROVIDE 2-INCH SLEEVES UNLESS NOTED OTHERWISE. COORDINATE WITH PATH OF DUCTWORK AND GWB CEILING TO ENSURE ACCESSIBILITY. EXTEND SLEEVES AS REQUIRED. INSTALL ALL SLEEVES 4-INCHES ABOVE HIGHER CEILING OF TWO ADJACENT SPACES. REFER TO ROOM FINISH SCHEDULES AND REFLECTED CEILING PLANS FOR CEILING HEIGHTS. STUB SLEEVES INTO JOIST SPACE OF FINISHED ROOMS WITH EXPOSED STRUCTURE. PROVIDE INSULATED BUSHINGS ON BOTH ENDS OF ALL SLEEVES, INCLUDING UNUSED SLEEVES. PROVIDE GROUT OR ESCUTCHEONS TO SECURE SLEEVES TO WALL. PROVIDE FIRE-RATED SLEEVES AT ALL FIRE-RATED WALLS.
 - PROVIDE ADDITIONAL CONDUIT, BOXES, CONDUCTORS AND OVERCURRENT PROTECTION FOR 120-VOLT BRANCH CIRCUITS NOT SPECIFICALLY COVERED UNDER DIVISION 26 WORK, BUT REQUIRED TO COMPLETE DIVISION 08 AND 28 WORK. DEVICES SHALL INCLUDE, BUT NOT BE LIMITED TO, POWER SUPPLIES FOR DOOR HARDWARE, ACCESS CONTROL, FIRE ALARM AND VIDEO SURVEILLANCE.
 - CARD READERS: PROVIDE RECESSED SINGLE-GANG BOX WITH GASKETED BLANK COVERPLATE AND EMPTY 1-INCH CONDUIT STUBBED INTO NEAREST ACCESSIBLE SPACE ABOVE FINISHED CEILING OR JOIST SPACE OF ADJACENT EXPOSED STRUCTURE. LABEL CONDUIT END 'CARD READER'.
 - PROVIDE WATERFALL DROPPOINTS AT ALL CABLE TRAY LOCATIONS ABOVE RUNWAYS, WALL/FLOOR MOUNTED RACKS, AND EQUIPMENT ENCLOSURES.
 - AUDIO VISUAL (AV) SYSTEMS: PROVIDE RECESSED BOXES, CONDUIT AND PULL STRINGS FOR ALL SYSTEM COMPONENTS.

LIGHTING SYMBOLS

LIGHTING FIXTURE TAG



AREA LIGHTING

- SITE LIGHTING - POLE
- POLE MOUNTED AREA LIGHTING FIXTURE
- ◻ POLE WITH POLE MOUNTED AREA LIGHTING FIXTURE
- ◻ WALL MOUNTED AREA LIGHTING FIXTURE
- ⊗ IN GRADE LIGHT FIXTURE
- ⊕ BOLLARD LIGHT FIXTURE

*** NOTE ***
 ALL NOTES ON THIS SHEET ARE APPLICABLE TO ALL OTHER SHEETS IN THIS SET.
 THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE APPLICABLE IN THIS SET OF DRAWINGS.

GENERAL NOTES

A. LUMINAIRES WITH ASSOCIATED POLES AND POWER LINES TO BE DEMOED AS SHOWN. DEMO CONDUIT AND WIRING BACK TO SOURCE OR LAST DEVICE TO REMAIN. CONTRACTOR TO COORDIANTE WITH PG&E FOR EXTENT OF SCOPE.

SHEET NOTES

- 1 EXISTING TO REMAIN AND RE-CIRCUIT. SEE SITE LIGHTING PLAN.
- 2 DEMO CONNECTION FROM SERVICE TRANSFORMER TO MODULAR BUILDING. TRANSFORMER TO REMAIN FOR RECONNECTION.
- 3 DEMO DATA CONNECTION TO MODULAR BUILDING. CONDUIT FROM SOURCE TO REMAIN FOR EXTENSION.



LOOP ROAD EXTENSION & PARKING LOT F

CLACKAMAS COUNTY, OR
1000 COURTHOUSE ROAD
OREGON CITY, OR 97045

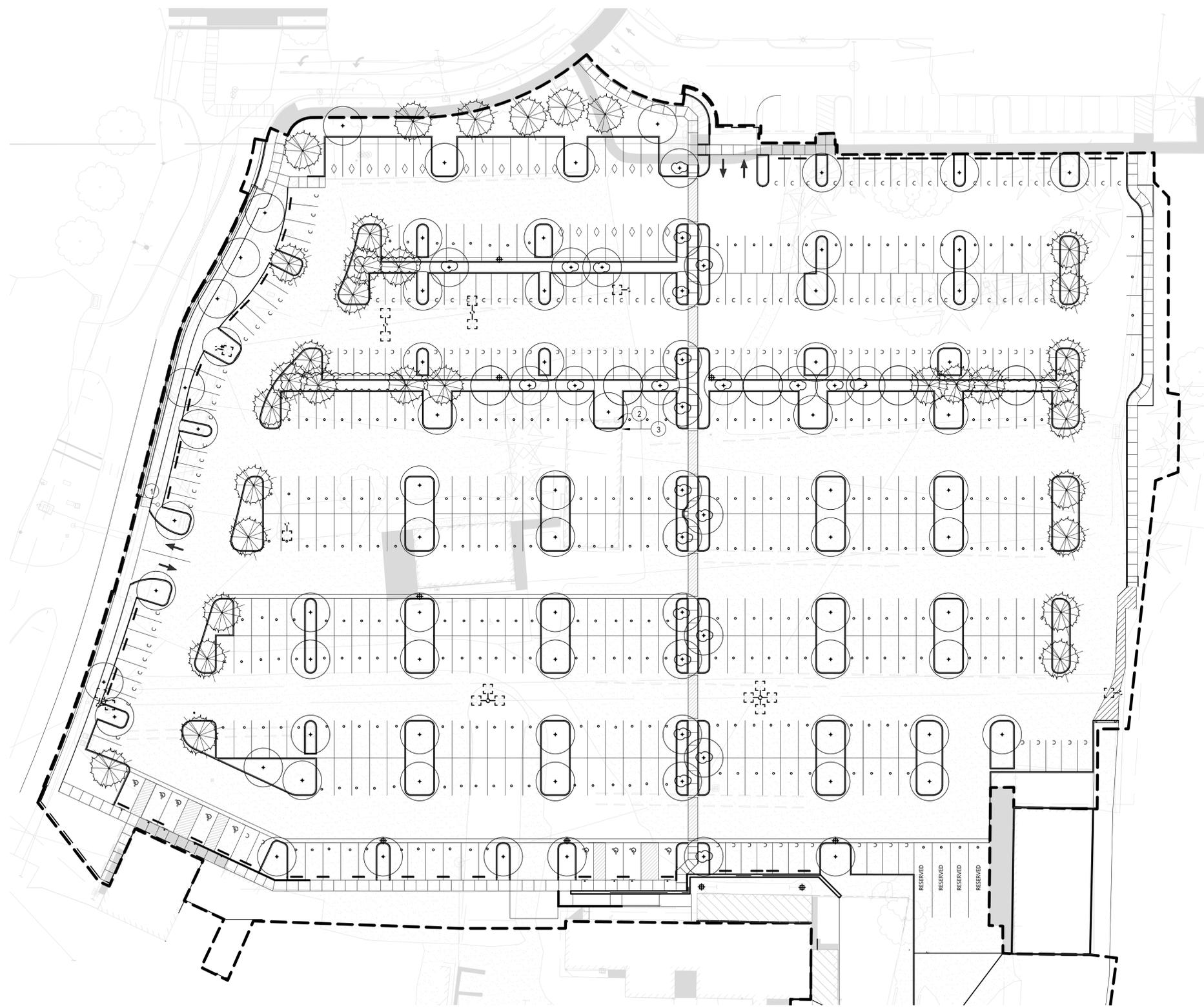
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74-23103-00

LIGHTING SITE
DEMOLITION
PLAN

ESD01



PARKING LOT F - DEMOLITION LIGHTING PLAN
SCALE: 1" = 30'-0"

Autodesk Docs://74-23103-00 Clackamas CC Loop Road/74-23103-00_CCC Loop Road_LITG_PL_2022.rvt
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GENERAL NOTES

- A. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND CONSTRUCTION. COORDINATE WITH GENERAL CONSTRUCTION.
- B. ALL LIGHTING AND POWER CONDUCTORS SHALL BE INSTALLED BETWEEN 24" (MINIMUM) AND 36" (MAXIMUM) BELOW FINISHED GRADE.
- C. ALL COMMUNICATIONS CONDUIT AND CABLES SHALL BE INSTALLED 36" (MINIMUM) BELOW FINISHED GRADE.
- D. ALL CONDUCTORS FOR EXTERIOR LIGHTING AND POWER CIRCUITS SHALL BE #10 AWG MINIMUM.

SHEET NOTES

- 1. PROVIDE NEW SINGLE PHASE SERVICE PEDESTAL WITH UTILITY METER PER PGE STANDARDS. SEE DETAIL 1 SHEET EL7.1 FOR ADDITIONAL INFORMATION.
- 2. PROVIDE NEW HANDHOLE FOR LIGHTING CIRCUITS. OLDCASTLE 17" X 30" X 18" #17301726 OR EQUAL.
- 3. PROVIDE NEW CIRCUIT TO EXISTING LIGHT POLE TO REMAIN FROM NEW LIGHTING SERVICE AS REQUIRED.
- 4. PROVIDE WR GFI RECEPTACLE WITH IN-USE COVER MOUNTED TO PEDESTAL.



LOOP ROAD EXTENSION & PARKING LOT F

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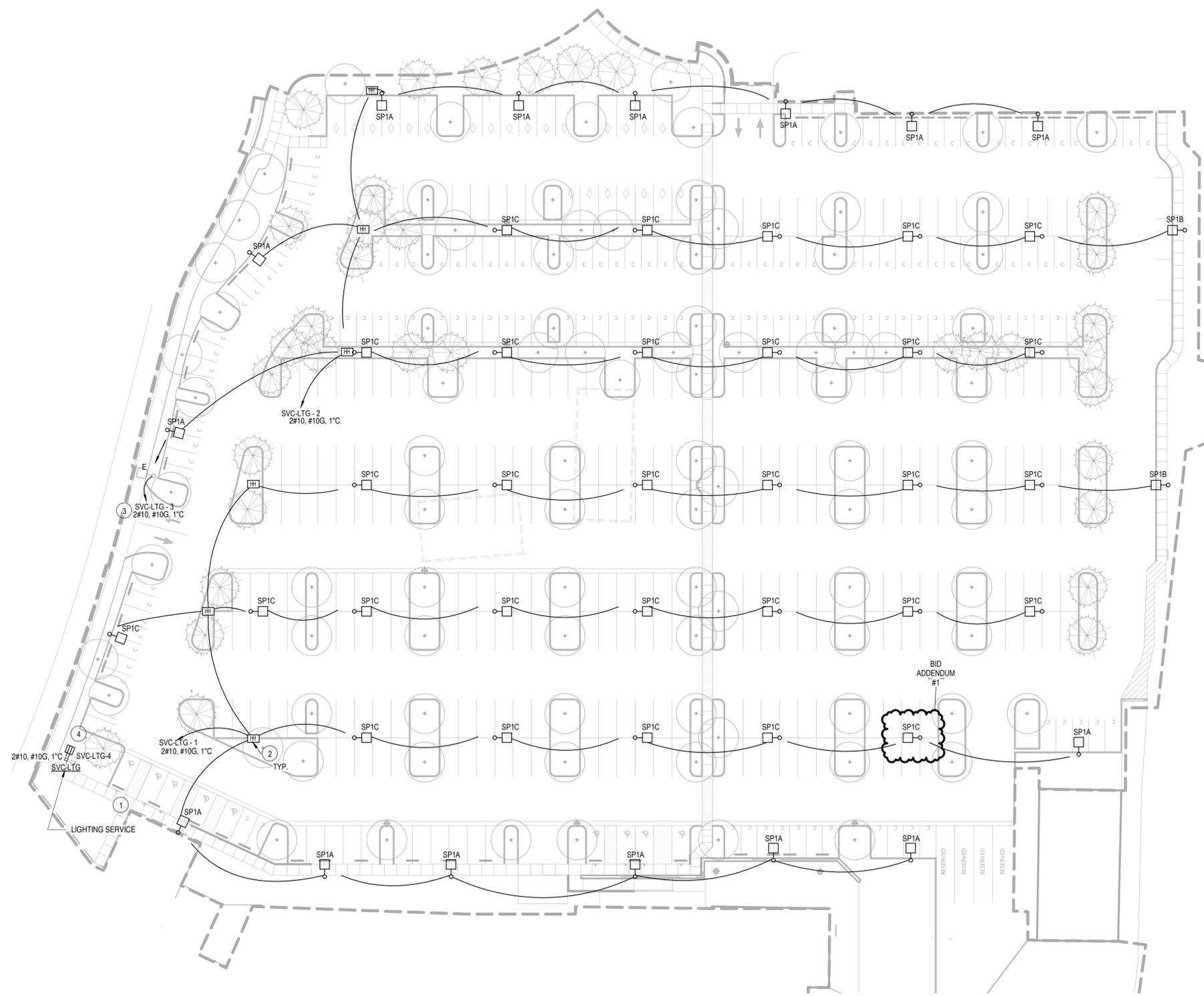
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09/11/2023
REVISIONS
PR-1 11/20/23
BID 1/8/24
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74-23103-00

LIGHTING SITE PLAN - PARKING LOT F

ELS01



PARKING LOT F - LIGHTING PLAN
SCALE: 1" = 30'-0"

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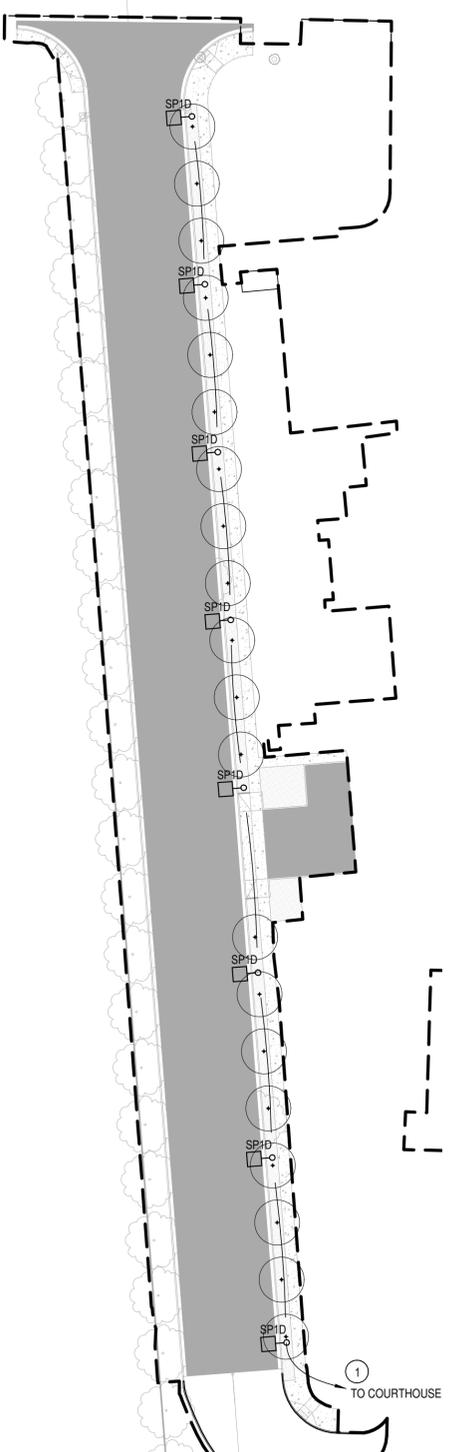
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B

C

D

E



GENERAL NOTES

- A. BURY CONDUITS A MINIMUM OF 30" WHERE NOT UNDERNEATH PAVEMENT.

SHEET NOTES

- 1 PROVIDE CIRCUIT FROM COURTHOUSE PANEL FOR LOOP ROAD LIGHTING.
- 1 PROVIDE CIRCUIT FROM COURTHOUSE PANEL FOR LOOP ROAD LIGHTING.



LOOP RD - LIGHTING PLAN

SCALE: 1" = 40'-0"

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LOOP ROAD EXTENSION & PARKING LOT F

CLACKAMAS COUNTY, OR
1000 COURTHOUSE ROAD
OREGON CITY, OR 97045

BUILDING PERMIT

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LIGHTING SITE PLAN - LOOP RD

ELS02

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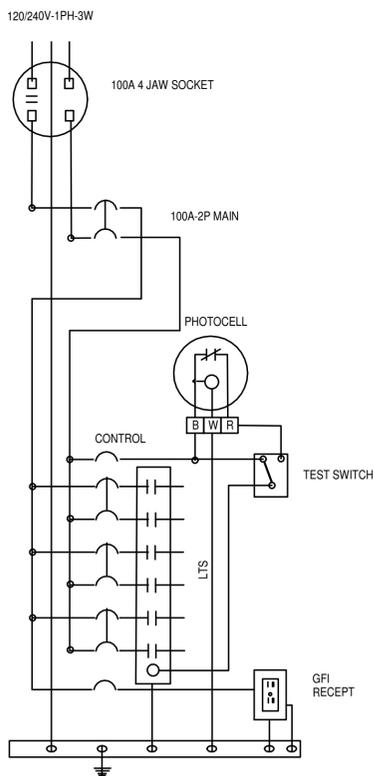
LIGHTING CONTROL NOTES:

- EXTRIOR LIGHTING SHALL BE CONTROLLED IN ACCORANCE WITH LOCAL AND STATE REQUIREMENTS, AND CAMPUS STANDARDS.
- EXTERIOR LIGHTING SHALL BE CONNECTED TO THE COURTHOUSE PROJECT CONTROL SYSTEM AND ADHERE TO ALL COURTHOUSE EXTERIOR LIGHTING CONTROL PROTOCOLS.
- EXTERIOR LIGHTING SERVICING PARKING AREAS SHALL BE PROGRAMMED TO TURN OFF AUTOMATICALLY WHEN SUFFICIENT DAYLIGHT IS AVAILABLE. WHEN DAYLIGHT IS NOT AVAILABLE, LIGHTING SHALL DIM TO 50% WHEN NO MOVEMENT IS SENSED FOR 15 MINUTES, AND RETURN TO 100% WHEN MOVEMENT IS SENSED.
- EXTERIOR LIGHTING SERVICING ROADWAY AREAS SHALL BE CONNECTED IN TANDEM WITH NEIGHBORING ROADWAY FIXTURES ON THE COURTHOUSE PROJECT. LIGHTING SHALL JOIN COURTHOUSE ROADWAY LIGHTING PROTOCOL, UTILIZING PHOTOCELL AND TIMECLOCK FUNCTIONS TO DEACTIVATE LUMINAIRES WHEN SUFFICIENT DAYLIGHT IS AVAILABLE, AND ACTIVATE WHEN DAYLIGHT IS NOT AVAILABLE.

LUMINAIRE SCHEDULE

NOTES:
 1. FURNISH ALL LIGHTING FIXTURES COMPLETE WITH MOUNTING ACCESSORIES TO MEET JOB REQUIREMENTS. VERIFY FIXTURE MOUNTING, LOCATION, AND FIXED OPTICAL ORIENTATION AGAINST ARCHITECT'S PLANS, ELEVATIONS, AND DETAIL DRAWINGS. EXACT LOCATION OF ALL FIXTURES SHALL BE CONFIRMED WITH THE ARCHITECT PRIOR TO ROUGHING IN.
 2. LED FIXTURES WILL USE INTEGRAL DRIVERS UNLESS OTHERWISE NOTED. DIMMABLE DRIVERS SHALL BE COMPATIBLE WITH LAMPS AND DIMMERS/CONTROL SYSTEM.
 3. ALL LIGHT FIXTURES ARE TO BE PROVIDED BY SPECIFIED MANUFACTURER OR APPROVED EQUAL. "ALTERNATE MANUFACTURER" AND "OR APPROVED" MEAN EQUIVALENT OR SUPERIOR IN PERFORMANCE, MATERIALS, WORKMANSHIP, AND APPEARANCE TO THE SPECIFIED EQUIPMENT.
 4. CONTRACTOR TO PROVIDE AND INSTALL ALL DRIVERS REQUIRED TO OPERATE LUMINAIRES SPECIFIED, INCLUDING REMOTE POWER SUPPLIES AND THE ENCLOSURES FOR SAME. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF COMPATIBILITY BETWEEN SPECIFIED LAMPS, SPECIFIED POWER SUPPLIES, DIMMING, AND OTHER CONTROL DEVICES SPECIFIED. NOTIFY ARCHITECT AND CONSULTANT OF AN INCOMPATIBILITY PRIOR TO ORDERING EQUIPMENT.
 5. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE COORDINATION OF ALL LIGHTING EQUIPMENT AND CONTROL DEVICES WITH CEILING, WALL, AND GROUND TYPES SPECIFIED PRIOR TO ORDERING LIGHTING EQUIPMENT. NOTIFY ARCHITECT AND CONSULTANT OF ANY INCOMPATIBILITY PRIOR TO ORDERING EQUIPMENT.
 6. ALL LED LUMINAIRES TO HAVE A FIVE-YEAR WARRANTY.
 7. SCHEDULED LUMEN OUTPUT REPRESENTS DELIVERED LUMENS.
 8. ENGINEER TO CONFIRM ALL WATTAGES, VOLTAGES, CIRCUITING, AND EMERGENCY COMPONENTS AS REQUIRED. ENGINEER TO VERIFY ALL CONTROLS REQUIRED WITH BASIS OF DESIGN AND SEQUENCE OF OPERATION.

| TYPE | CONSTRUCTION | | LIGHT SOURCE | | | ELECTRICAL | | PRODUCT | | NOTE |
|------|--|----------|--------------|--------|-----|------------|-----------|---------|-------------------|--|
| | DESCRIPTION | MOUNTING | LAMP | CCT | CRI | VOLT | WATTS (W) | MFR | MODEL | |
| SP1A | POLE-MOUNTED LED AREA LUMINAIRE WITH TYPE IV FORWARD THROW DISTRIBUTION; MOUNTED ON ROUND TAPERED STEEL 25-FOOT POLE | POLE | LED | 4000 K | 80 | 240 V | 63 W | COOPER | GALLEON II SERIES | PROVIDE INTEGRAL PHOTOCELL AND MOTION SENSOR |
| SP1B | POLE-MOUNTED LED AREA LUMINAIRE WITH TYPE IV WIDE DISTRIBUTION; MOUNTED ON ROUND TAPERED STEEL 25-FOOT POLE | POLE | LED | 4000 K | 80 | 240 V | 63 W | COOPER | GALLEON II SERIES | PROVIDE INTEGRAL PHOTOCELL AND MOTION SENSOR |
| SP1C | POLE-MOUNTED LED AREA LUMINAIRE WITH TYPE V DISTRIBUTION; MOUNTED ON ROUND TAPERED STEEL 25-FOOT POLE | POLE | LED | 4000 K | 80 | 240 V | 63 W | COOPER | GALLEON II SERIES | PROVIDE INTEGRAL PHOTOCELL AND MOTION SENSOR |
| SP1D | POLE-MOUNTED LED AREA LUMINAIRE WITH TYPE III DISTRIBUTION; MOUNTED ON ROUND TAPERED STEEL 30-FOOT POLE | POLE | LED | 4000 K | 80 | 240 V | 93 W | COOPER | GALLEON II SERIES | PROVIDE INTEGRAL PHOTOCELL |



DETAIL NOTES

- PROVIDE PGE STANDARD PAD MOUNTED 100A 120/240V SERVICE PEDESTAL WITH SPLIT BUS LOAD CENTER. BASIS OF DESIGN: EATON COMMERCIAL METER PEDSTAL CMP4111MC-1. PHOTOCELL/CONTACTOR CONTROL FOR HALF OF LOAD CENTER. COORDINATE WITH PGE FOR SERVICE CONNECTION.
- PROVIDE 10' COPPER CLAD GROUND ROD AT SERVICE WITH #4 CU GEC.

| LOAD SUMMARY | | | | | |
|---------------------|-----------|---------|-----------|------------------------------|------------|
| | | | | SWBD LOAD | CONN. LOAD |
| | | | | PARKING LOT LIGHTING - SOUTH | 1701 VA |
| | | | | PARKING LOT LIGHTING - SOUTH | 1260 VA |
| | | | | L | 275 VA |
| | | | | R | 180 VA |
| LOAD CLASSIFICATION | CONNECTED | DEMAND | ESTIMATED | PANEL TOTALS | |
| L | 3980 VA | 125.00% | 4975 VA | | |
| R | 180 VA | 100.00% | 180 VA | | |
| | | | | CONN. LOAD: 4160 VA | |
| | | | | EST. DEMAND LOAD: 5155 VA | |
| | | | | CONN. CURRENT: 17.3 A | |
| | | | | EST. DEMAND... 21.5 A | |

1 LIGHTING SERVICE SINGLE LINE DIAGRAM SCALE: 12" = 1'-0"



LOOP ROAD EXTENSION & PARKING LOT F

CLACKAMAS COUNTY, OR
1000 COURTHOUSE ROAD
OREGON CITY, OR 97045

BUILDING PERMIT

09/11/2023 REVISIONS

74-23103-00

LUMINAIRE SCHEDULE

EL7.1



INVITATION TO BID #2023-102
Loop Road and Parking Lot F Construction
ADDENDUM NUMBER 4
January 9, 2024

On December 5, 2023, Clackamas County (“County”) published Invitation to Bid #2023-102 (“BID”), and Addendum #1 on December 20, 2023, and Addendum #2 on December 28, 2023, and Addendum #3 on January 8, 2024. The County has found that it is in its interest to amend the BID through the issuance of this Addendum #4. Except as expressly amended below, all other terms and conditions of the original BID and subsequent Addenda shall remain unchanged.

1. The Bid Due Date is hereby changed from January 11, 2024 at 2:00PM to **January 18, 2024 at 2:00PM.**

Note: The County will not be fielding any further questions.

End of Addendum #4