



August 4, 2022

Board of County Commissioners
 Clackamas County

Approval of an Intergovernmental Agreement between Water Environment Services and the Clackamas County Development Agency Relating to Sanitary Sewer Improvements in the Linwood Avenue Improvement Project. Total Value is up to \$1,078,790.00. Funding through the WES Sanitary Sewer Construction Funds. County General Funds are not involved.

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| Purpose/Outcomes | Approval of an Intergovernmental Agreement between Water Environment Services and the Clackamas County Development Agency Relating to Sanitary Sewer Improvements in the Linwood Avenue Improvement Project. Total Value is up to \$1,078,790.00. Funding through the WES Sanitary Sewer Construction Funds. County General Funds are not involved. |
| Dollar Amount and Fiscal Impact | Not to exceed \$78,790.00 for design work and an estimated \$1,000,000.00 for construction of improvements. |
| Funding Source | WES Sanitary Sewer Construction Funds. County General Funds are not involved. |
| Duration | Until all work is complete or December 31, 2023, whichever is sooner. |
| Previous Board Action/Review | The Board approved proceeding with a design contract for the Linwood Avenue Improvement project on October 10, 2019 and approved a subsequent contract amendment on July 29, 2021. This item was presented at Issues on August 2, 2022. |
| Strategic Plan Alignment | <ol style="list-style-type: none"> 1. This project supports the WES Strategic Plan to provide Enterprise Resiliency, and Performance and Operational Optimization by combining the projects. 2. This project supports the County Strategic Plan to build public trust through good government by realizing cost savings. |
| Counsel Review | Date of Counsel review: July 18, 2022. Name of County Counsel performing review: Amanda Keller. |
| Procurement Review | <ol style="list-style-type: none"> 1. Was the item processed through Procurement? No. 2. IGAs are not considered public contracts for procurement purposes, so they are not required to go through Procurement. |
| Contact Person | Jessica Rinner, Civil Engineering Supervisor, 503-742-4551 |
| Contract No. | N/A |

BACKGROUND:

The Development Agency (Agency) is nearing completion of the design of the Linwood Avenue Improvement Project. The design consultant coordinated with affected utilities in order to minimize conflicts with their facilities. With a project of this scale, there are instances where conflicts cannot be avoided and utilities need to be relocated.

Clackamas Water Environment Services (WES) has sanitary sewer lines, laterals, storm lines and related structures requiring adjustments to accommodate the planned improvements. WES

also requested the Agency include construction of a sewer forcemain to accommodate a planned pump station on WES property located on Linwood near Mill Park. In the interest of cost and planning efficiency, WES asked the Agency to include design and construction of the sewer forcemain in the Agency project.

The Intergovernmental Agreement (IGA) commits WES to reimburse the Agency for costs associated with design and construction of WES facilities on Linwood. WES will also allow the Agency to utilize the WES property at Linwood & Overland for construction staging, which should result in costs savings for the project.

Including the design and construction of WES facilities in the Linwood project increases efficiencies and results in costs savings by avoiding duplication of services and more complex coordination issues that would occur by treating the WES improvements as a separate project. Construction of the sewer forcemain in conjunction with the Linwood improvements will also avoid possible damage and disruption to the newly constructed improvements by a future WES project.

The IGA assumes construction of WES facilities will be included as part of the Agency project, provided costs are mutually acceptable. An estimated construction cost is included in the IGA. The IGA may be amended in the future to include the actual cost of construction of WES facilities as part of the overall project, with reimbursement of those costs by WES.

RECOMMENDATION:

WES staff recommends the Board, acting as the governing body of Water Environment Services, approve the Intergovernmental Agreement between Water Environment Services and the Clackamas County Development Agency Relating to Sanitary Sewer Improvements in the Linwood Avenue Improvement Project.

Respectfully submitted,



Ron Wierenga
Assistant Director
Water Environment Services

Attachments: Intergovernmental Agreement between Water Environment Services and Clackamas County Development Agency

COVER SHEET

- New Agreement/Contract
- Amendment/Change/Extension to _____
- Other _____

Originating County Department: _____

Other party to contract/agreement: _____

Description:

After recording please return to: _____

County Admin

Procurement

If applicable, complete the following:

Board Agenda Date/Item Number: _____

**INTERGOVERNMENTAL AGREEMENT
BETWEEN WATER ENVIRONMENT SERVICES
AND CLACKAMAS COUNTY DEVELOPMENT AGENCY**

THIS AGREEMENT (this "Agreement") is entered into and between Water Environment Services ("District"), an intergovernmental entity formed pursuant to ORS Chapter 190, and the Clackamas County Development Agency ("Agency"), the urban renewal agency of Clackamas County, collectively referred to as the "Parties" and each a "Party."

RECITALS

Oregon Revised Statutes Chapter 190.010 confers authority upon local governments to enter into agreements for the performance of any and all functions and activities that a party to the agreement, its officers or agencies have authority to perform.

The Agency is in the process of planning a roadway improvement project on Linwood Avenue in Clackamas County ("Linwood Project"). The District intends to construct a pump station on Linwood Avenue in the future and has requested that the Agency incorporate the construction of a force main and the extension of sanitary sewer connections to accommodate the new road width in the design for the Linwood Project.

In consideration of the mutual promises set forth below and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties hereby agree as follows:

TERMS

1. **Term.** This Agreement shall be effective upon execution, and shall expire upon the completion of each and every obligation of the Parties set forth herein, or December 31, 2023, whichever is sooner.
2. **Scope of Work and Party Obligations.** The Agency agrees to provide the services further identified in the Scope of Work, attached hereto as Exhibit A and incorporated herein ("Work"). The Parties each agree to fulfill their respective obligations, as set forth in the attached Exhibit A.
3. **Consideration.** The District agrees to pay Agency, from available and authorized funds, an amount not to exceed one million dollars (\$1,000,000) for accomplishing the Work required by this Agreement. The fee for design services, attached as Exhibit B, is \$78,790. It is presently estimated construction services will not exceed \$900,000. It is the intention of the Parties that the District shall pay the actual cost of the Work. If the actual cost of the Work exceed \$1,000,000, the Parties agree to execute an amendment necessary to ensure the District pays for any additional undisputed amounts.
4. **Payment.** Unless otherwise specified, the Agency shall submit monthly invoices for Work performed and shall include the total amount billed to date by the Agency prior to the current invoice. Invoices shall describe all Work performed with particularity, by whom it was performed, and shall itemize and explain all expenses for which reimbursement is claimed. Payments shall be made to Agency following the District's review and approval of invoices submitted by Agency. Agency shall not submit invoices for, and the District will not pay, any amount in excess of the maximum compensation amount set forth above.

5. Representations and Warranties.

- A. *Agency Representations and Warranties:* Agency represents and warrants to District that Agency has the power and authority to enter into and perform this Agreement, and this Agreement, when executed and delivered, shall be a valid and binding obligation of Agency enforceable in accordance with its terms.
- B. *District Representations and Warranties:* District represents and warrants to Agency that District has the power and authority to enter into and perform this Agreement, and this Agreement, when executed and delivered, shall be a valid and binding obligation of District enforceable in accordance with its terms.
- C. The warranties set forth in this section are in addition to, and not in lieu of, any other warranties provided.

6. Termination.

- A. Either the District or the Agency may terminate this Agreement at any time upon thirty (30) days written notice to the other party.
- B. Either the District or the Agency may terminate this Agreement in the event of a breach of the Agreement by the other. Prior to such termination however, the Party seeking the termination shall give the other Party written notice of the breach and of the Party's intent to terminate. If the breaching Party has not entirely cured the breach within fifteen (15) days of deemed or actual receipt of the notice, then the Party giving notice may terminate the Agreement at any time thereafter by giving written notice of termination stating the effective date of the termination. If the default is of such a nature that it cannot be completely remedied within such fifteen (15) day period, this provision shall be complied with if the breaching Party begins correction of the default within the fifteen (15) day period and thereafter proceeds with reasonable diligence and in good faith to effect the remedy as soon as practicable. The Party giving notice shall not be required to give more than one (1) notice for a similar default in any twelve (12) month period.
- C. The District or the Agency shall not be deemed to have waived any breach of this Agreement by the other Party except by an express waiver in writing. An express written waiver as to one breach shall not be deemed a waiver of any other breach not expressly identified, even though the other breach is of the same nature as that waived.
- D. The District may terminate this Agreement in the event the District fails to receive expenditure authority sufficient to allow the District, in the exercise of its reasonable administrative discretion, to continue to perform under this Agreement, or if federal or state laws, regulations or guidelines are modified or interpreted in such a way that either the Project under this Agreement is prohibited or the District is prohibited from paying for such work from the planned funding source.
- E. Any termination of this Agreement shall not prejudice any rights or obligations accrued to the Parties prior to termination.

7. Indemnification.

- A. Subject to the limits of the Oregon Constitution and the Oregon Tort Claims Act or successor statute, the District agrees to indemnify and defend the Agency, its officers, elected officials, agents and employees from and against all costs, losses, damages, claims or actions and all expenses incidental to the investigation and

defense thereof arising out of or based upon damages or injuries to persons or property caused by the negligent or willful acts of the District or its officers, elected officials, owners, employees, agents, or its subcontractors or anyone over which the District has a right to control.

B. Subject to the limits of the Oregon Constitution and the Oregon Tort Claims Act or successor statute, the Agency agrees to indemnify and defend the District, its officers, elected officials, agents and employees from and against all costs, losses, damages, claims or actions and all expenses incidental to the investigation and defense thereof arising out of or based upon damages or injuries to persons or property caused by the negligent or willful acts of the Agency or its officers, elected officials, owners, employees, agents, or its subcontractors or anyone over which the Agency has a right to control.

8. **Insurance.** The Parties agree to maintain levels of insurance, or self-insurance, sufficient to satisfy their obligations under this Agreement and all requirements under applicable law.

9. **Notices; Contacts.** Legal notice provided under this Agreement shall be delivered personally, by email or by certified mail to the individuals identified below. Any communication or notice so addressed and mailed shall be deemed to be given upon receipt. Any communication or notice sent by electronic mail to an address indicated herein is deemed to be received 2 hours after the time sent (as recorded on the device from which the sender sent the email), unless the sender receives an automated message or other indication that the email has not been delivered. Any communication or notice by personal delivery shall be deemed to be given when actually delivered. Either Party may change the Party contact information, or the invoice or payment addresses by giving prior written notice thereof to the other Party at its then current notice address.

A. Jessica Rinner, PE, or their designee will act as liaison for the District.

Contact Information:

Water Environment Services
150 Beaver Creek Road
Oregon City, OR 97045
M – 503-484-0365
JRinner@clackamas.us

Ken Itel, Senior Project Planner, or their designee will act as liaison for the Agency.

Contact Information:

Clackamas County Development Agency
150 Beaver Creek Road
Oregon City, OR 97045
M – 503-742-4324
Kennethite@clackamas.us

10. General Provisions.

- A. **Oregon Law and Forum.** This Agreement, and all rights, obligations, and disputes arising out of it will be governed by and construed in accordance with the laws of the State of Oregon and the ordinances of the District and Clackamas County without giving effect to the conflict of law provisions thereof. Any claim between District and Agency that arises from or relates to this Agreement 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 District 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. Agency, by execution of this Agreement, hereby consents to the in personam jurisdiction of the courts referenced in this section.
- B. **Compliance with Applicable Law.** Both Parties shall comply with all applicable local, state and federal ordinances, statutes, laws and regulations. All provisions of law required to be a part of this Agreement, whether listed or otherwise, are hereby integrated and adopted herein. Failure to comply with such obligations is a material breach of this Agreement.
- C. **Non-Exclusive Rights and Remedies.** Except as otherwise expressly provided herein, the rights and remedies expressly afforded under the provisions of this Agreement 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.
- D. **Access to Records.** Agency shall retain, maintain, and keep accessible all records relevant to this Agreement ("Records") for a minimum of six (6) years, following Agreement termination or full performance or any longer period as may be required by applicable law, or until the conclusion of an audit, controversy or litigation arising out of or related to this Agreement, whichever is later. Agency shall maintain all financial records in accordance with generally accepted accounting principles. All other Records shall be maintained to the extent necessary to clearly reflect actions taken. During this record retention period, Agency shall permit the District's authorized representatives' access to the Records at reasonable times and places for purposes of examining and copying.
- E. **Work Product.** All work performed under this Agreement shall be considered work made for hire and shall be the sole and exclusive property of the District. The District shall own any and all data, documents, plans, copyrights, specifications, working papers and any other materials produced in connection with this Agreement. On completion or termination of the Agreement, the Agency shall promptly deliver these materials to the District's Project Manager.

- F. **Hazard Communication.** Agency shall notify District prior to using products containing hazardous chemicals to which District employees may be exposed, which includes any hazardous, toxic, or dangerous substance, waste, or material that is the subject of environmental protection legal requirements or that becomes regulated under any applicable local, state or federal law, including but not limited to the items listed in the United States Department of Transportation Hazardous Materials Table (49 CFR §172.101) or designated as hazardous substances by Oregon Administrative Rules, Chapter 137, or the United States Environmental Protection Agency (40 CFR Part 302), and any amendments thereto. Upon District's request, Agency shall immediately provide Material Safety Data Sheets for the products subject to this provision.
- G. **Debt Limitation.** This Agreement is expressly subject to the limitations of the Oregon Constitution and Oregon Tort Claims Act, and is contingent upon appropriation of funds. Any provisions herein that conflict with the above referenced laws are deemed inoperative to that extent.
- H. **Severability.** If any provision of this Agreement is found to be unconstitutional, illegal or unenforceable, this Agreement nevertheless shall remain in full force and effect and the offending provision shall be stricken. The Court or other authorized body finding such provision unconstitutional, illegal or unenforceable shall construe this Agreement without such provision to give effect to the maximum extent possible the intentions of the Parties.
- I. **Integration, Amendment and Waiver.** Except as otherwise set forth herein, this Agreement constitutes the entire agreement between the Parties on the matter of the Project. There are no understandings, agreements, or representations, oral or written, not specified herein regarding this Agreement. No waiver, consent, modification or change of terms of this Agreement shall bind either Party unless in writing and signed by both Parties and all necessary approvals have been obtained. Such waiver, consent, modification or change, if made, shall be effective only in the specific instance and for the specific purpose given. The failure of either Party to enforce any provision of this Agreement shall not constitute a waiver by such Party of that or any other provision.
- J. **Interpretation.** The titles of the sections of this Agreement are inserted for convenience of reference only and shall be disregarded in construing or interpreting any of its provisions.
- K. **Independent Contractor.** Each of the Parties hereto shall be deemed an independent contractor for purposes of this Agreement. No representative, agent, employee or contractor of one Party shall be deemed to be a representative, agent, employee or contractor of the other Party for any purpose, except to the extent specifically provided herein. Nothing herein is intended, nor shall it be construed, to create between the Parties any relationship of principal and agent, partnership, joint venture or any similar relationship, and each Party hereby specifically disclaims any such relationship.

- L. **No Third-Party Beneficiary.** Agency and District are the only parties to this Agreement and are the only parties entitled to enforce its terms. Nothing in this Agreement 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 this Agreement.
- M. **Subcontract and Assignment.** Agency shall not enter into any subcontracts for any of the work required by this Agreement, or assign or transfer any of its interest in this Agreement by operation of law or otherwise, without obtaining prior written approval from the District, which shall be granted or denied in the District's sole discretion. District's consent to any subcontract shall not relieve Agency of any of its duties or obligations under this Agreement.
- N. **Counterparts.** This Agreement may be executed in several counterparts (electronic or otherwise), each of which shall be an original, all of which shall constitute the same instrument.
- O. **Survival.** All provisions in Sections 5, 7, and 10 (A), (C), (D), (G), (H), (I), (J), (L), (O), (R), (T), and (U) shall survive the termination of this Agreement, together with all other rights and obligations herein which by their context are intended to survive.
- P. **Necessary Acts.** Each Party shall execute and deliver to the others all such further instruments and documents as may be reasonably necessary to carry out this Agreement.
- Q. **Time is of the Essence.** Agency agrees that time is of the essence in the performance this Agreement.
- R. **Successors in Interest.** The provisions of this Agreement shall be binding upon and shall inure to the benefit of the parties hereto, and their respective authorized successors and assigns.
- S. **Force Majeure.** Neither Agency nor District shall be held responsible for delay or default caused by events outside of the Agency or District's reasonable control including, but not limited to, fire, terrorism, riot, acts of God, or war. However, Agency shall make all reasonable efforts to remove or eliminate such a cause of delay or default and shall upon the cessation of the cause, diligently pursue performance of its obligations under this Agreement.
- T. **Confidentiality.** Agency acknowledges that it and its employees or agents may, in the course of performing their responsibilities under this Agreement, be exposed to or acquire confidential information. Any and all information of any form obtained by Agency or its employees or agents in the performance of this Agreement shall be deemed confidential information of the District ("Confidential Information"). Agency agrees to hold Confidential Information in strict confidence, using at least the same degree of care that Agency 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 Agreement.

U. **No Attorney Fees.** In the event any arbitration, action or proceeding, including any bankruptcy proceeding, is instituted to enforce any term of this Agreement, each party shall be responsible for its own attorneys' fees and expenses.

IN WITNESS HEREOF, the Parties have executed this Agreement by the date set forth opposite their names below.

Water Environment Services

Clackamas County Development Agency

Chair

Chair

Date

Date

Exhibit A

SCOPE OF WORK

The Agency agrees to contract for the design and construction of approximately 1,800 linear feet of 12" diameter sanitary sewer force main and the extensions of 23 existing sanitary sewer service connections as part of the Linwood Project.

Agency Obligations:

- a. Agency will include an amendment to its contract with the design consultant for the Linwood Project to include force main and lateral extension designs requested by District.
- b. The Agency will coordinate with the District in the design, permitting, engineering and construction associated with the Work.
- c. The Agency will submit plans to District for review prior to bidding for construction phase of the Work.
- d. The Agency will provide prompt notice to the District of any anticipated delays in the schedule.
- e. The Agency will perform all necessary inspections of the Work except the force main and lateral extensions.
- f. Agency will complete the competitive procurement process related to the construction contract, to include the force main and lateral extensions, no later than November 30, 2022. Agency will provide the District with an opportunity to review and approve the portion of the bid related to the Work prior to Agency's acceptance.
- g. Agency will provide management of the construction Work, keeping District informed, routing submittals, RFI's, and Change orders for sewer related work to District for review.
- h. Agency and/or its contractor will acquire any necessary permits for utilizing the District's property located at 9620 SE Linwood Avenue, Milwaukie, OR 97222 (Tax Lots 12E29CB04100 and 12E29CB04200), for construction staging, and will comply with the conditions imposed by said permits.

District Obligations:

- a. The District will pay for the actual cost of the design of the sanitary sewer force main and service connection extensions.
- b. The District will coordinate with the Agency in the design, permitting, engineering and construction associated with the Work.
- c. When requested, the District will provide timely feedback and review regarding plans, design, permitting, and engineering and construction issues. Timely

feedback is defined as any reasonable deadline specified by the Agency in carrying out the above-mentioned tasks.

- d. The District will respond in a timely manner to the Agency's requests to execute applications or documents and to provide information or approval to the Agency specifically related to completing the Work.
- e. The District agrees to not unreasonably withhold consent to extensions in the schedule.
- f. Upon notification or request from the Agency, the District will perform all necessary inspections of force main and lateral extension pipe installation.
- g. District will pay as-bid prices for construction Work associated with sanitary sewer force main and service connection extensions.
- h. District will coordinate with the Agency and its selected contractor to utilize its property, located at 9620 SE Linwood Avenue, Milwaukie, OR 97222 (Tax Lots 12E29CB04100 and 12E29CB04200), for construction staging for the Linwood Project.



Linwood Avenue Improvements

WES Scope of Services
Harper Houf Peterson Righellis Inc.
March 30, 2022

Description of Amendment:

Water Environmental Services (WES) desires to have HHPR, who is under contract with the Clackamas County Development Agency, provide Engineering Services as required to incorporate various WES elements of work into the overall Linwood Avenue Improvements Plans. Specific elements of WES design work to be incorporated are detailed below:

- Approximately 1800 LF of 12" Sanitary Force Main
 - WES has future plans to construct a 12" sanitary sewer force main in Linwood Avenue for a future pump station on WES owned taxlots 12E29CB04200 and 12E29CB04100 located near SE Overland St. To eliminate the disturbance of the new roadway improvements in the future, WES would like to install the 12" sanitary sewer force main in Linwood Avenue with the Clackamas County roadway improvements.
- Extension of Existing Sanitary Sewer Laterals (23 Total) and Installation of New Lateral (1 Total)
 - WES has an existing sanitary sewer main located in Linwood Avenue. Many of the adjacent properties are on septic and are setup up to convert in the future. Sanitary stubs exist beyond the existing road footprint but do not extend to the existing ROW. WES would like to extend the sanitary sewer laterals and cleanouts to the existing ROW to reduce impacts to the new roadway improvements for future sanitary connections. WES also has plans to install one new sanitary lateral connection.

The Scope of Services is as follows:

Task 10: Water Environmental Services (WES) Services

As part of the overall management of the project, the Consultant will:

Task 10.A Preparation of Plans

Prepare plans and drawing sheet set up for review and approval by WES. The following sheets are anticipated:

- Up to five (5) new plan and profile sheets for 12" sanitary force main and sanitary lateral extensions.
- Up to two (2) detail sheets.

Task 10.B: Design and Review Comments

HHPR will incorporate WES's design into the project drawings and provide a copy of the sheets to WES for review. WES's review will be independent of any % complete review set, as we are currently approaching 100% completion. Upon receipt, WES will provide review comments within 1 week to allow any required revisions to be incorporated into the final plans.

Task 10.C: Final Plan Submittal – Bid Document Preparation

Prepare final construction drawings for bidding and construction. Submit final drawings to WES for final review and approval. Make minor corrections as needed (issue changes as addenda if required).

Task 10.D: Prepare Project Specifications and Engineer's Estimates

Prepare special provisions for the installation of the water improvements, and other construction elements of the project. Provide a bid schedule for the project, along with an engineer's estimate. Incorporate project specifications in the 2021 APWA/ODOT format for bidding with Clackamas County.

Task 10.E: Bidding Assistance

Answer questions from the County Staff during the bidding process. Provide written or verbal clarification of bid items and/or plans as requested.

Task 10.F: Construction Support

Provide general engineering support during construction of the installation of the 12" sanitary force main and extension of sanitary laterals. WES will provide primary inspection of WES work and will participate in final walkthrough and generation of punch list items. HHPR will assist WES in review of submittals and RFI's.

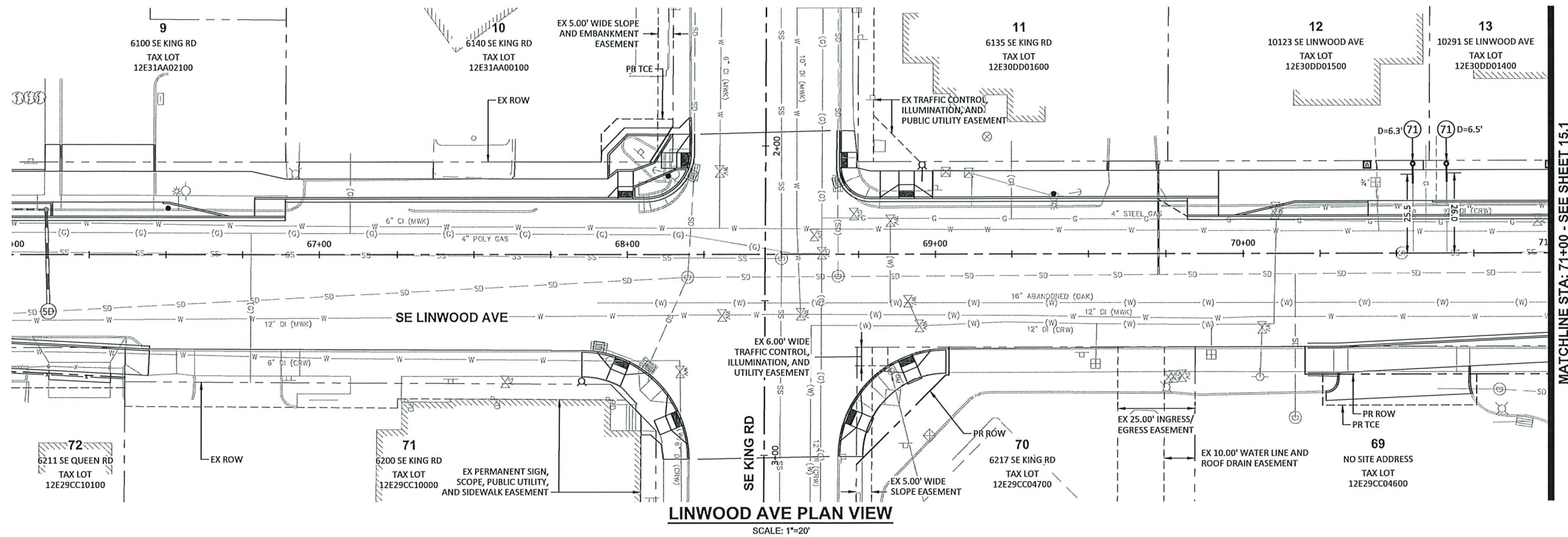
Task 10.G: As-Built Drawings

Complete as-built drawings of the project to reflect changes made during construction. The as-built drawings will be generated from contractor and inspector notes (new survey will not be completed). Provide digital Autocad and PDF files to WES.

Task 10.H: Conflict Potholing (Budget Item)

HHPR will coordinate with WES and identify locations for where potholing data will be beneficial to the design to avoid conflicts. HHPR will communicate these locations and have data collected by VacX. Rough estimate provided by VacX indicated it would be \$1,500/pothole. A budget item of \$9,000 is included.

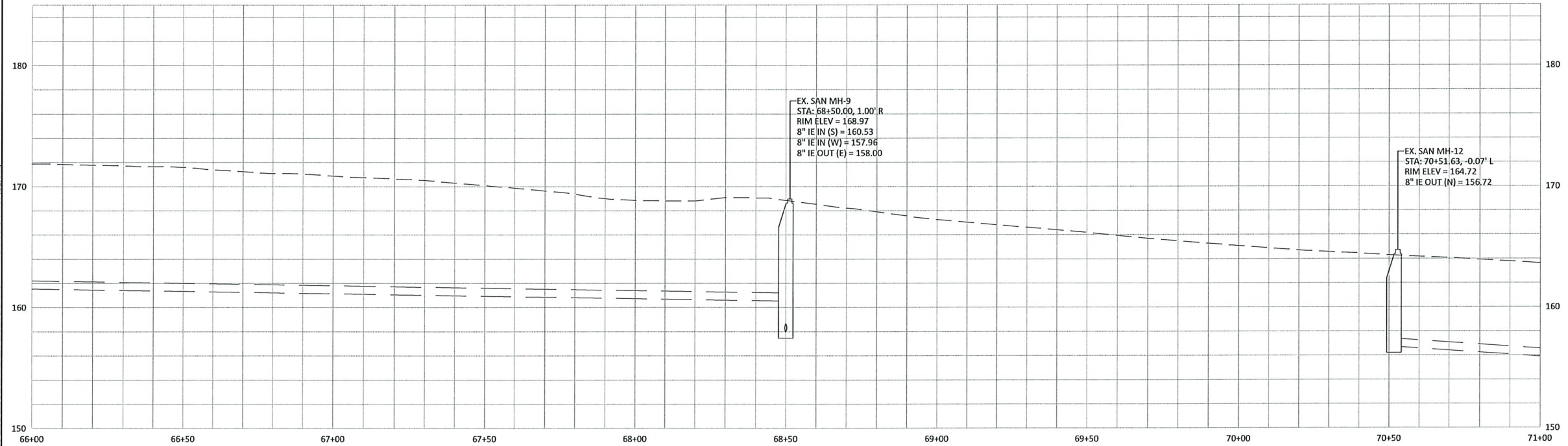
EXHIBIT A



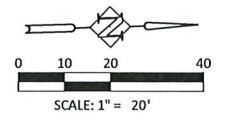
CONSTRUCTION NOTES:
 (71) EXTEND EXISTING SANITARY LATERAL AND INSTALL CLEANOUT PER DETAIL ON SHEET 15.6. APPROXIMATE DEPTH (D) OF EXISTING LATERAL NOTED ON PLANS. FIELD VERIFY LOCATION OF EXISTING LATERAL STUB PRIOR TO BEGINNING WORK. CONNECTION LOCATION SHOWN ON PLANS IS APPROXIMATE.

MATCHLINE STA: 71+00 - SEE SHEET 15.1

LINWOOD AVE PLAN VIEW
 SCALE: 1"=20'



LINWOOD AVE - CENTERLINE PROFILE
 SCALE: 1"=20' (HORIZ.)
 1"=5' (VERT.)



P:\CLA\Clackamas County\CLA-93 (Linwood Ave)\CLAS3-DWG(S)\SHEETS\CLASS-15.0 SANITARY PLAN AND PROFILE.dwg

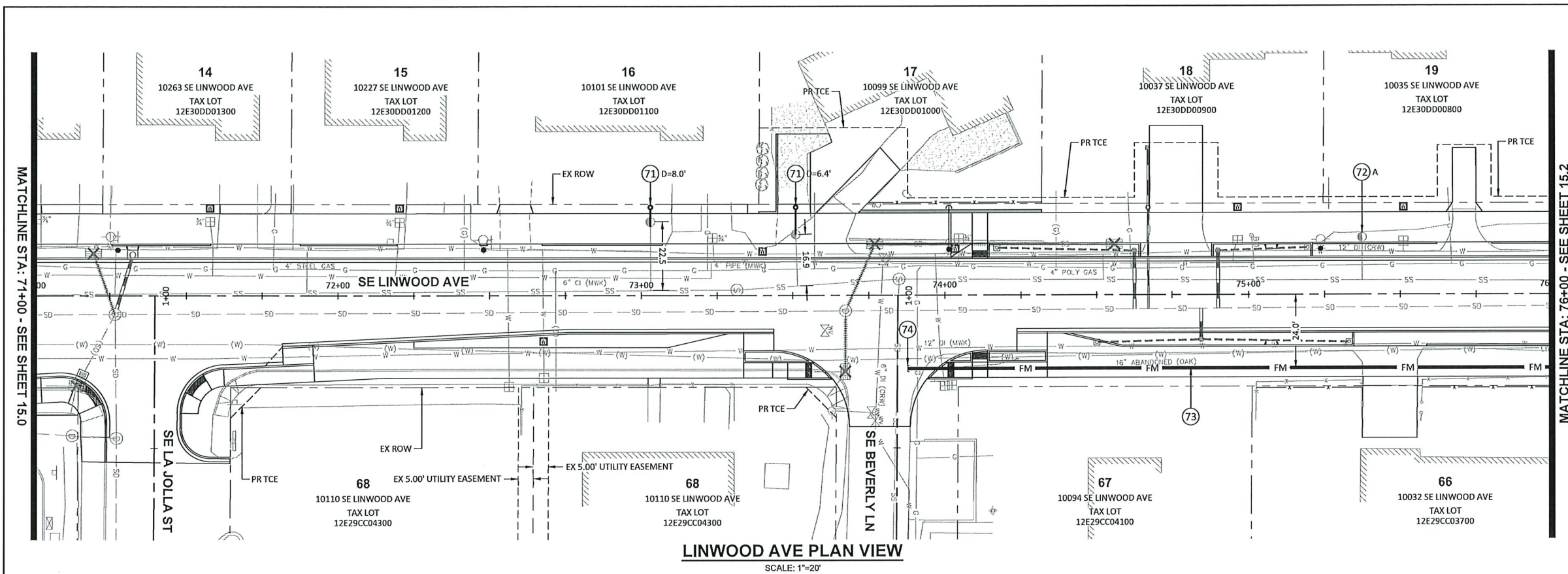
| | | |
|--|-----|--|
| <p>CLACKAMAS COUNTY DEVELOPMENT AGENCY DEVELOPMENT SERVICES BLDG. 150 BEAVERCREEK ROAD OREGON CITY, OR 97045</p> | | DESIGNED: HHPR TEAM DRAWN: HHPR TEAM CHECKED: DSH/JSH DATE: 8-11-21 |
| PREPARED FOR | | |
| REVISIONS | | |
| DATE | NO. | DESCRIPTION |



Harper Houf Peterson Righellis Inc.
 ENGINEERS • PLANNERS
 LANDSCAPE ARCHITECTS • SURVEYORS
 205 SE Spokane Street, Suite 200, Portland, OR 97202
 phone: 503.221.1131 www.hhpr.com fax: 503.221.1171

SANITARY PLAN AND PROFILE
SE LINWOOD AVENUE
 CLACKAMAS COUNTY, OREGON

| | |
|-----------|-------------|
| SHEET NO. | 15.0 |
| JOB NO. | CLA-93 |

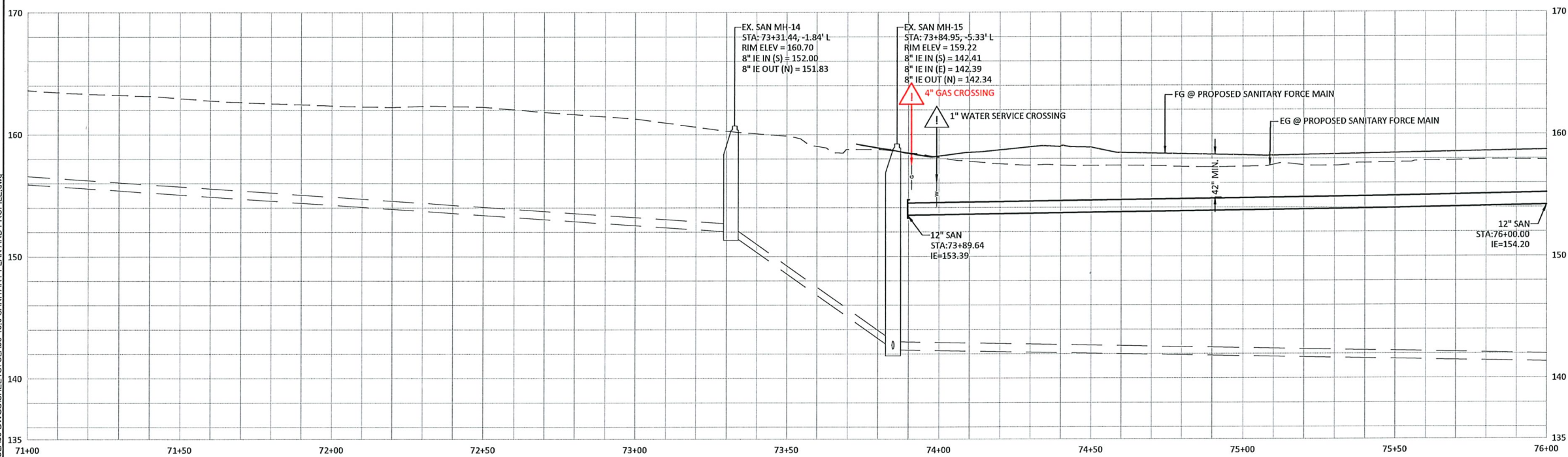


- CONSTRUCTION NOTES:**
- 71 EXTEND EXISTING SANITARY LATERAL AND INSTALL CLEANOUT PER DETAIL ON SHEET 15.6. APPROXIMATE DEPTH (D) OF EXISTING LATERAL NOTED ON PLANS. FIELD VERIFY LOCATION OF EXISTING LATERAL STUB PRIOR TO BEGINNING WORK. CONNECTION LOCATION SHOWN ON PLANS IS APPROXIMATE.
 - 72 RELOCATE (REL), ADJUST (A), OR PROTECT (P) EXISTING SANITARY CLEANOUT.
 - 73 CONSTRUCT 12" DIAMETER D.I. SANITARY FORCE MAIN.
 - 74 CAP 12" DIAMETER D.I. SANITARY FORCE MAIN.

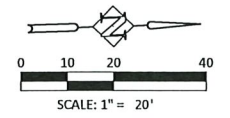
CAUTION:

PROPOSED UNDERGROUND UTILITY CROSSING. CONTRACTOR TO POTHOLE PRIOR TO BEGINNING WORK. DEFLECT AS REQUIRED OR INSTALL VERTICAL/HORIZONTAL BENDS ON SANITARY FORCE MAIN AS NECESSARY TO MAINTAIN MINIMUM REQUIRED SEPARATION BETWEEN UTILITIES. COORDINATE ADJUSTMENT OF UTILITY SERVICE LINE CROSSINGS AS REQUIRED. SEE ROADWAY SERIES 5.0 FOR WATER METER RELOCATIONS.

- NOTES:**
1. ALL JOINTS SHALL BE RESTRAINED WITH FIELD LOCK GASKETS.
 2. PROVIDE JOINT DEFLECTION TO MAINTAIN ADEQUATE CLEARANCE FROM OTHER UTILITIES. MAXIMUM DEFLECTION SHALL NOT EXCEED 3".
 3. COORDINATE ALL EXISTING 3/4" TO 2" GAS LINES SHALL BE RELOCATIONS PRIOR TO SANITARY FORCE MAIN WORK.



LINWOOD AVE - CENTERLINE PROFILE
SCALE: 1"=20' (HORIZ.)
1"=5' (VERT.)



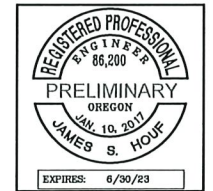
P:\CLA (Clackamas County)\CLA-83 (Linwood Ave)\CLA93-DWGSS(SHEETS)\CLA93-15.0 SANITARY PLAN AND PROFILE.dwg

PREPARED FOR

CLACKAMAS COUNTY
DEVELOPMENT AGENCY
DEVELOPMENT SERVICES BLDG.
150 BEAVERCREEK ROAD
OREGON CITY, OR 97045

| DATE | NO. | DESCRIPTION |
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| REVISIONS | | |

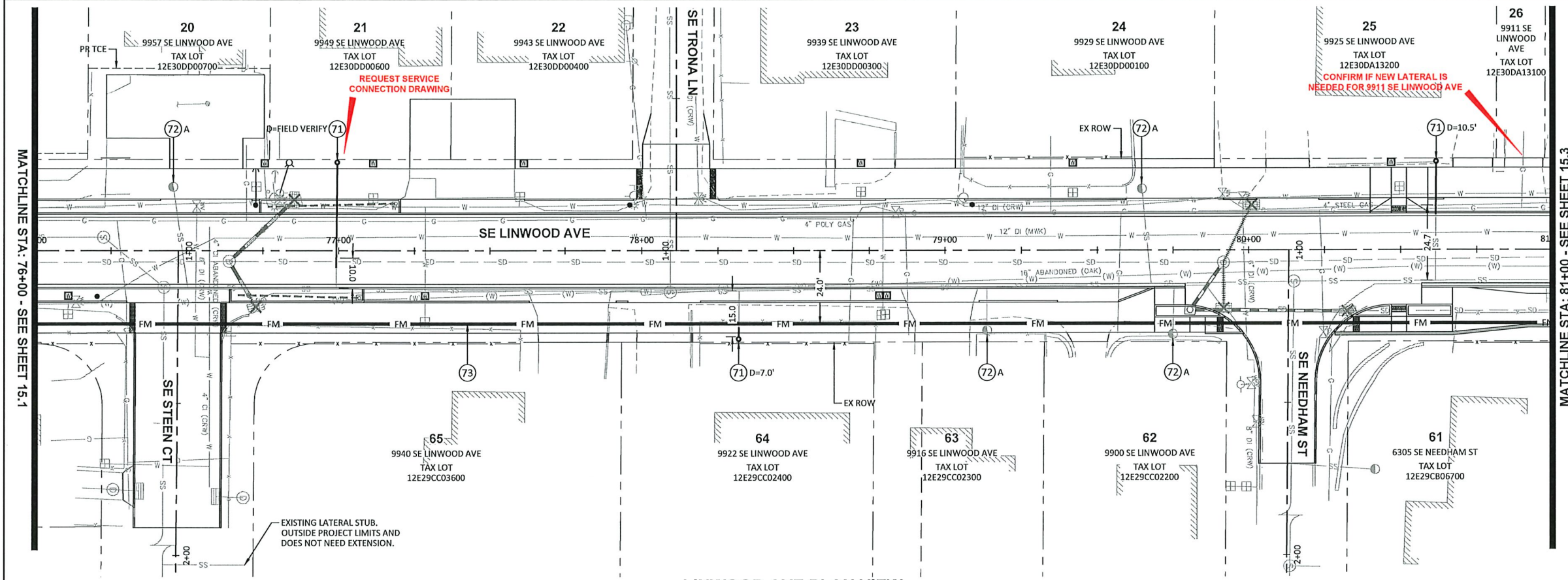
DESIGNED: HHPR TEAM
DRAWN: HHPR TEAM
CHECKED: DSH/JSH
DATE: 8-11-21



HHPR Harper Houf Peterson Righellis Inc.
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LANDSCAPE ARCHITECTS • SURVEYORS
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SANITARY PLAN AND PROFILE
SE LINWOOD AVENUE
CLACKAMAS COUNTY, OREGON

SHEET NO.
15.1
JOB NO. CLA-93

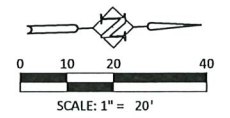
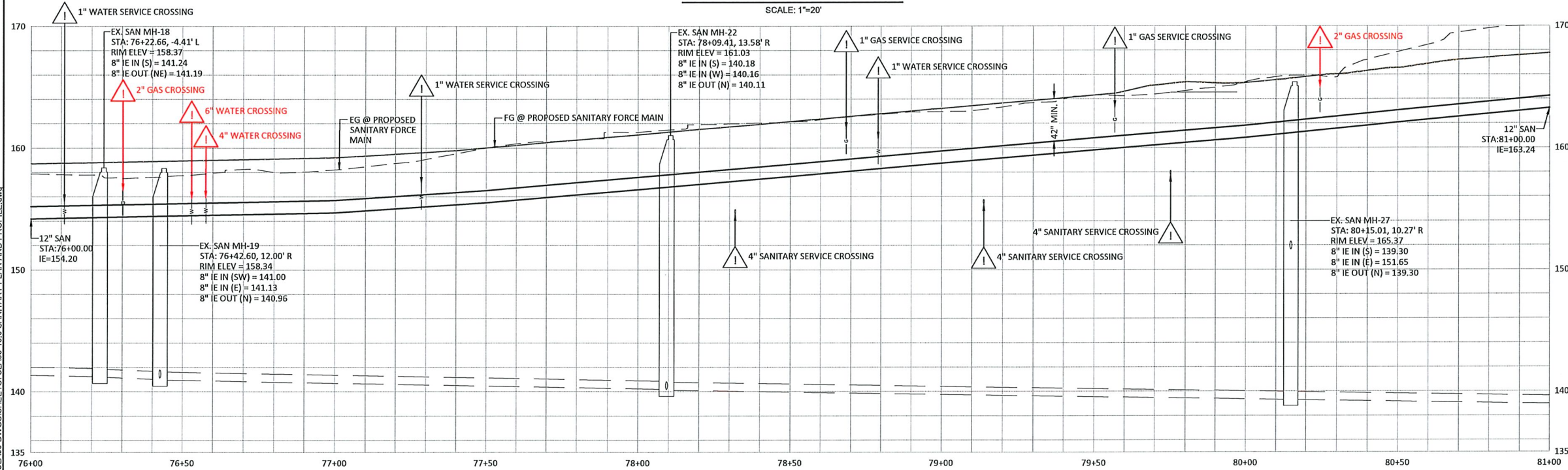


- CONSTRUCTION NOTES:**
- 71 EXTEND EXISTING SANITARY LATERAL AND INSTALL CLEANOUT PER DETAIL ON SHEET 15.6. APPROXIMATE DEPTH (D) OF EXISTING LATERAL NOTED ON PLANS. FIELD VERIFY LOCATION OF EXISTING LATERAL STUB PRIOR TO BEGINNING WORK. CONNECTION LOCATION SHOWN ON PLANS IS APPROXIMATE.
 - 72 RELOCATE (REL), ADJUST (A), OR PROTECT (P) EXISTING SANITARY CLEANOUT.
 - 73 CONSTRUCT 12" DIAMETER D.I. SANITARY FORCE MAIN.

CAUTION:

PROPOSED UNDERGROUND UTILITY CROSSING. CONTRACTOR TO POTHOLE PRIOR TO BEGINNING WORK. DEFLECT AS REQUIRED OR INSTALL VERTICAL/HORIZONTAL BENDS ON SANITARY FORCE MAIN AS NECESSARY TO MAINTAIN MINIMUM REQUIRED SEPARATION BETWEEN UTILITIES. COORDINATE ADJUSTMENT OF UTILITY SERVICE LINE CROSSINGS AS REQUIRED. SEE ROADWAY SERIES 5.0 FOR WATER METER RELOCATIONS.

- NOTES:**
1. ALL JOINTS SHALL BE RESTRAINED WITH FIELD LOCK GASKETS.
 2. PROVIDE JOINT DEFLECTION TO MAINTAIN ADEQUATE CLEARANCE FROM OTHER UTILITIES. MAXIMUM DEFLECTION SHALL NOT EXCEED 3".
 3. COORDINATE ALL EXISTING 1/2" TO 2" GAS LINES SHALL BE RELOCATIONS PRIOR TO SANITARY FORCE MAIN WORK.



PREPARED FOR

CLACKAMAS COUNTY
DEVELOPMENT AGENCY
DEVELOPMENT SERVICES BLDG.
150 BEAVERCREEK ROAD
OREGON CITY, OR 97045

| DATE | NO. | DESCRIPTION |
|-----------|-----|-------------|
| REVISIONS | | |

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| DESIGNED: | HHPR TEAM |
| DRAWN: | HHPR TEAM |
| CHECKED: | DSH/JSH |
| DATE: | 5-23-2022 |



Harper Houf Peterson Righellis Inc.

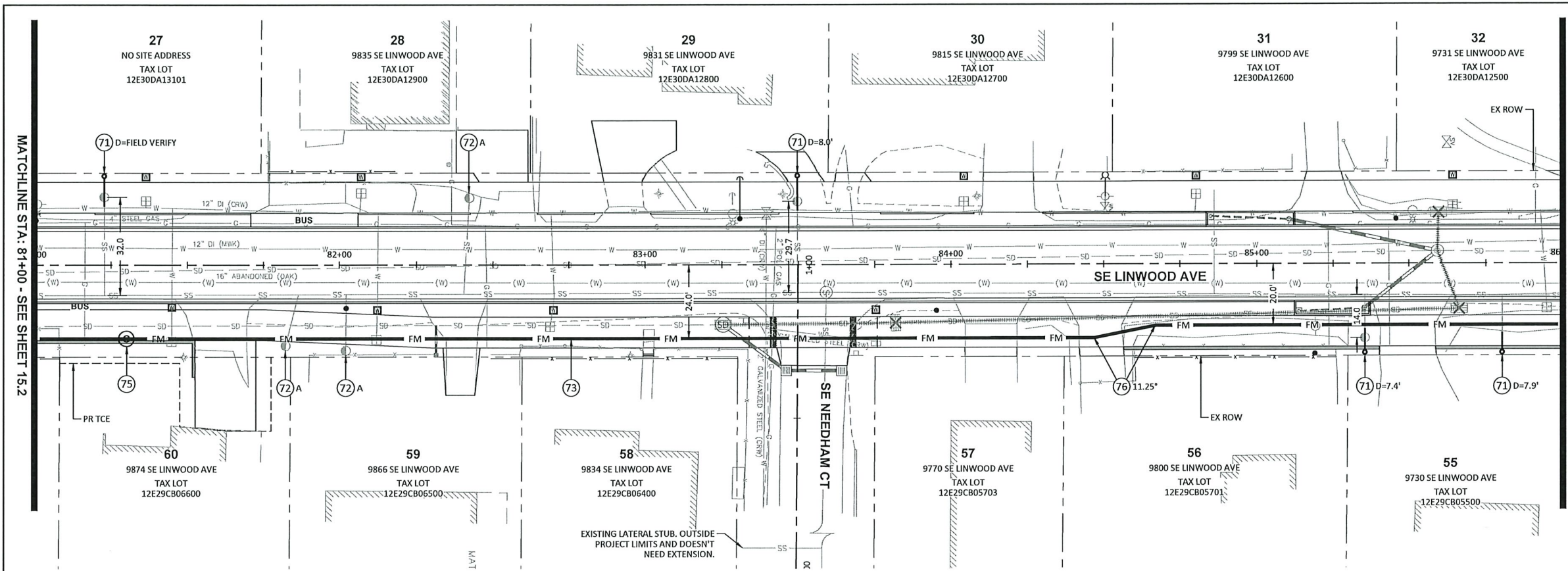
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SANITARY PLAN AND PROFILE
SE LINWOOD AVENUE
CLACKAMAS COUNTY, OREGON

| | |
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| SHEET NO. | 15.2 |
| JOB NO. | CLA-93 |

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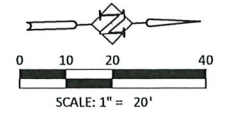
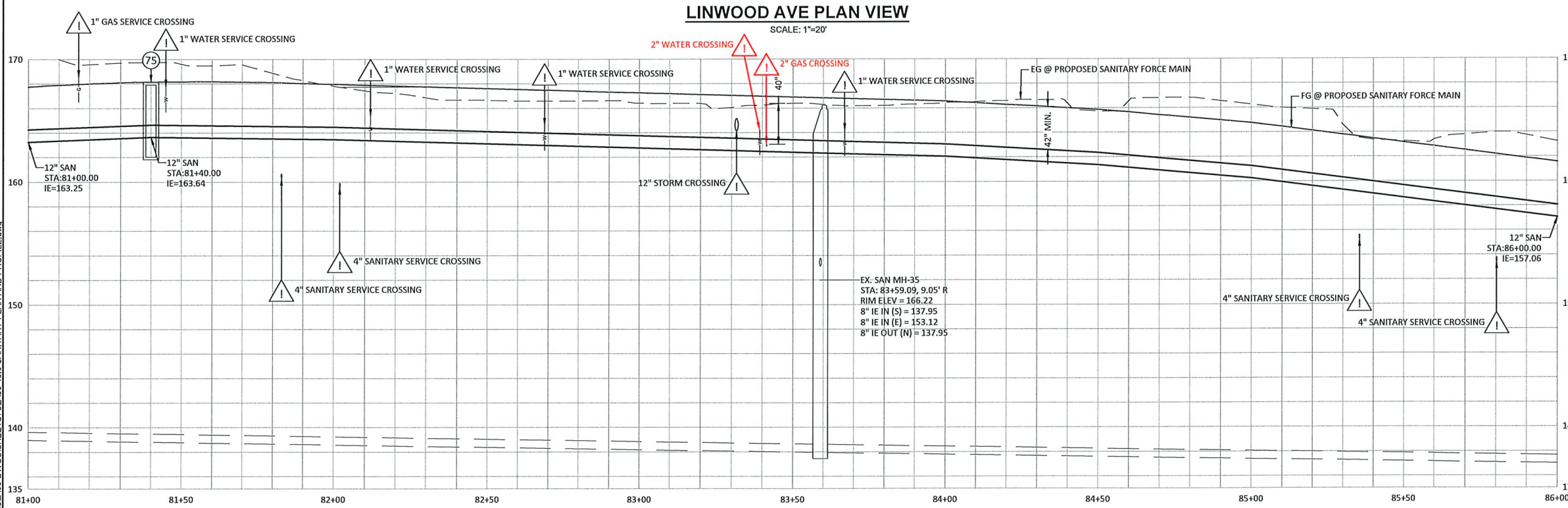


- CONSTRUCTION NOTES:**
- 71 EXTEND EXISTING SANITARY LATERAL AND INSTALL CLEANOUT PER DETAIL ON SHEET 15.6. APPROXIMATE DEPTH (D) OF EXISTING LATERAL NOTED ON PLANS. FIELD VERIFY LOCATION OF EXISTING LATERAL STUB PRIOR TO BEGINNING WORK. CONNECTION LOCATION SHOWN ON PLANS IS APPROXIMATE.
 - 72 RELOCATE (REL), ADJUST (A), OR PROTECT (P) EXISTING SANITARY CLEANOUT.
 - 73 CONSTRUCT 12" DIAMETER D.I. SANITARY FORCE MAIN.
 - 75 STA 81+30.00 TO 24.0 R, RIM ELEV=168.1, CONSTRUCT 2" AIR RELEASE/VACUUM VALVE. SEE DETAIL ON SHEET 15.6.
 - 76 INSTALL 12" MJ BEND WITH JOINT RESTRAINT. BEND DEGREE NOTED ON PLANS.

CAUTION:

PROPOSED UNDERGROUND UTILITY CROSSING. CONTRACTOR TO POTHOLE PRIOR TO BEGINNING WORK. DEFLECT AS REQUIRED OR INSTALL VERTICAL/HORIZONTAL BENDS ON SANITARY FORCE MAIN AS NECESSARY TO MAINTAIN MINIMUM REQUIRED SEPARATION BETWEEN UTILITIES. COORDINATE ADJUSTMENT OF UTILITY SERVICE LINE CROSSINGS AS REQUIRED. SEE ROADWAY SERIES 5.0 FOR WATER METER RELOCATIONS.

- NOTES:**
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 2. PROVIDE JOINT DEFLECTION TO MAINTAIN ADEQUATE CLEARANCE FROM OTHER UTILITIES. MAXIMUM DEFLECTION SHALL NOT EXCEED 3".
 3. COORDINATE ALL EXISTING 1/4" TO 2" GAS LINES SHALL BE RELOCATIONS PRIOR TO SANITARY FORCE MAIN WORK.



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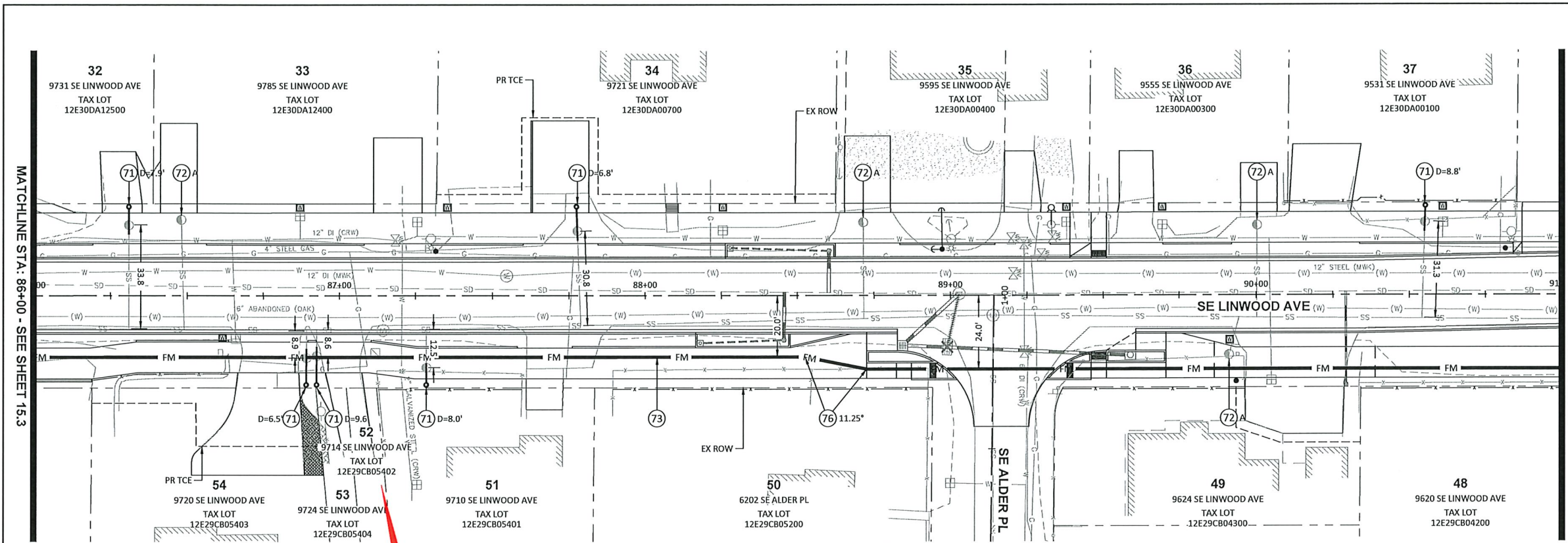
| <p>CLACKAMAS COUNTY DEVELOPMENT AGENCY DEVELOPMENT SERVICES BLDG. 150 BEAVERCREEK ROAD OREGON CITY, OR 97045</p> | | DESIGNED: HHPR TEAM DRAWN: HHPR TEAM CHECKED: DSH/JSH DATE: 8-11-21 | | | | | | |
|--|-----|--|------|-----|-------------|-----------|--|--|
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| DATE | NO. | DESCRIPTION | | | | | | |
| REVISIONS | | | | | | | | |

REGISTERED PROFESSIONAL ENGINEER
86,200
PRELIMINARY
JAMES S. HOUF
EXPIRES: 6/30/23

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SANITARY PLAN AND PROFILE
SE LINWOOD AVENUE
CLACKAMAS COUNTY, OREGON

SHEET NO. **15.3**
JOB NO. CLA-93



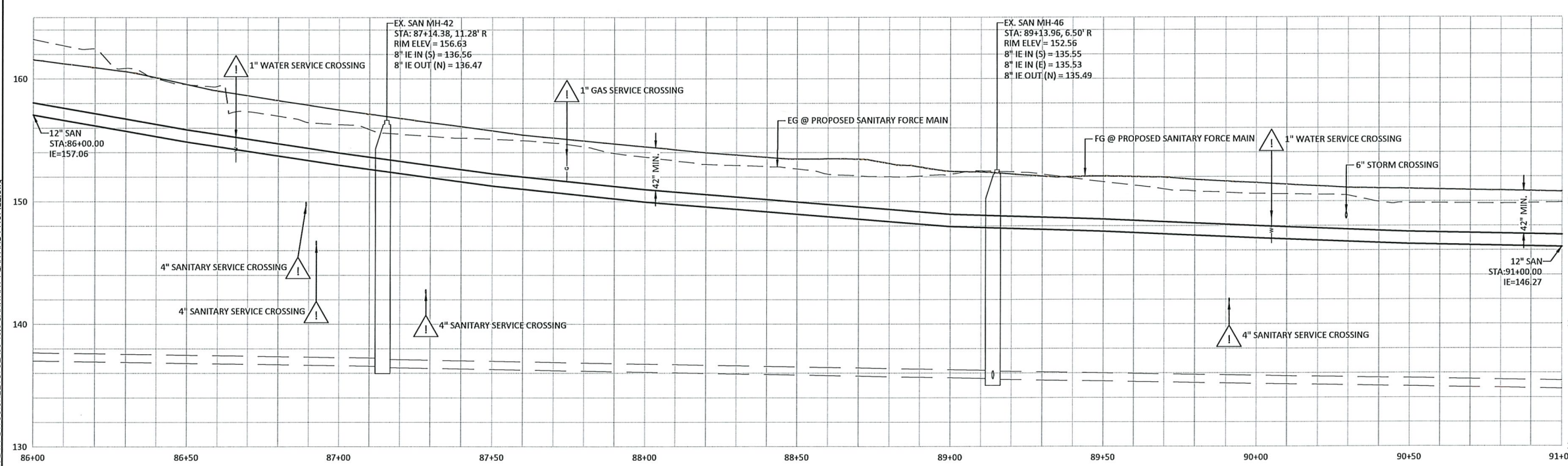
- CONSTRUCTION NOTES:**
- (71) EXTEND EXISTING SANITARY LATERAL AND INSTALL CLEANOUT PER DETAIL ON SHEET 15.6. APPROXIMATE DEPTH (D) OF EXISTING LATERAL NOTED ON PLANS. FIELD VERIFY LOCATION OF EXISTING LATERAL STUB PRIOR TO BEGINNING WORK. CONNECTION LOCATION SHOWN ON PLANS IS APPROXIMATE.
 - (72) RELOCATE (REL), ADJUST (A), OR PROTECT (P) EXISTING SANITARY CLEANOUT.
 - (73) CONSTRUCT 12" DIAMETER D.I. SANITARY FORCE MAIN.
 - (76) INSTALL 12" MJ BEND WITH JOINT RESTRAINT. BEND DEGREE NOTED ON PLANS.

CAUTION:

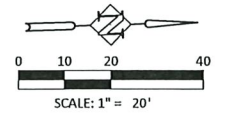
PROPOSED UNDERGROUND UTILITY CROSSING. CONTRACTOR TO POTHOLE PRIOR TO BEGINNING WORK. DEFLECT AS REQUIRED OR INSTALL VERTICAL/HORIZONTAL BENDS ON SANITARY FORCE MAIN AS NECESSARY TO MAINTAIN MINIMUM REQUIRED SEPARATION BETWEEN UTILITIES. COORDINATE ADJUSTMENT OF UTILITY SERVICE LINE CROSSINGS AS REQUIRED. SEE ROADWAY SERIES 5.0 FOR WATER METER RELOCATIONS.

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MISSING 9714 SE LINWOOD SERVICE CONNECTION DRAWING; THIRD CLEANOUT OBSERVED IN FIELD. ARE THEY CONNECTED? PER NEIGHBOR AND PHOTO IT APPEARS SANITARY WAS EXTENDED DOWN DRIVEWAY?

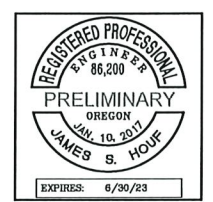


LINWOOD AVE - CENTERLINE PROFILE
SCALE: 1"=20' (HORIZ.), 1"=5' (VERT.)



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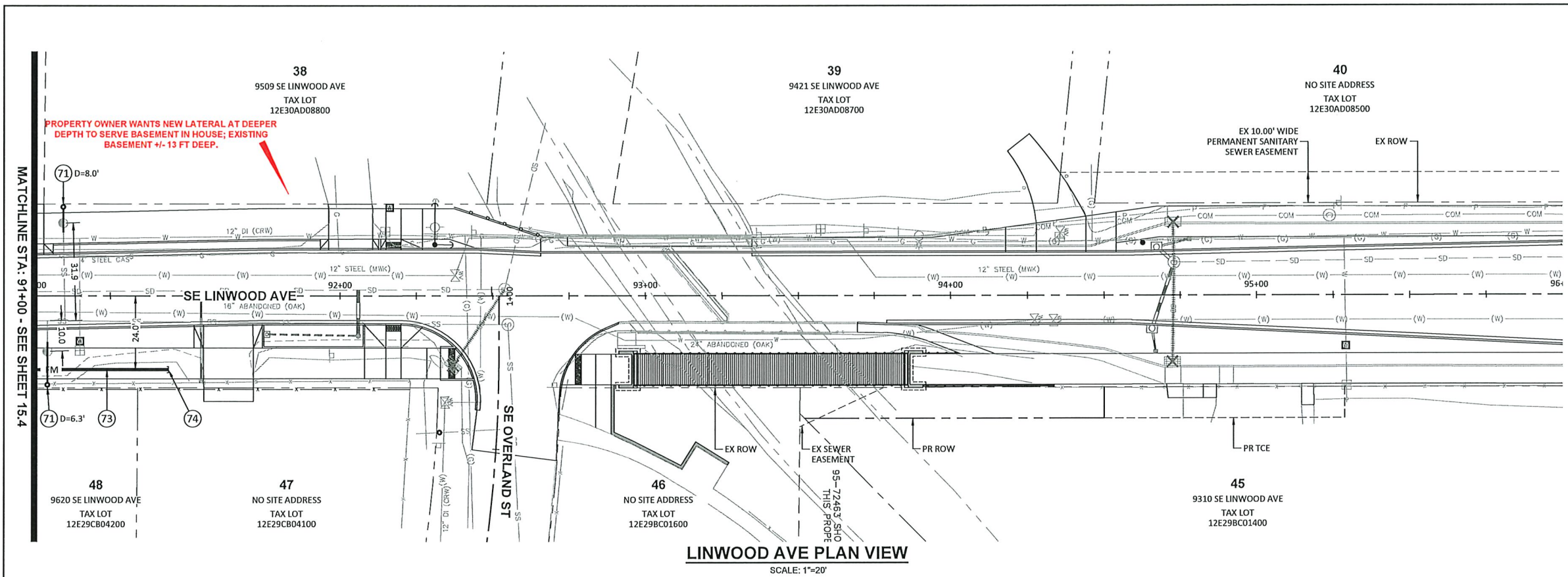
| <p>PREPARED FOR</p> <p>CLACKAMAS COUNTY DEVELOPMENT AGENCY DEVELOPMENT SERVICES BLDG. 150 BEAVERCREEK ROAD OREGON CITY, OR 97045</p> | | <p>DESIGNED: HHPR TEAM</p> <p>DRAWN: HHPR TEAM</p> <p>CHECKED: DSH/JSH</p> <p>DATE: 8-11-21</p> | | | | | | |
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SANITARY PLAN AND PROFILE
SE LINWOOD AVENUE
CLACKAMAS COUNTY, OREGON

SHEET NO.
15.4
JOB NO.
CLA-93



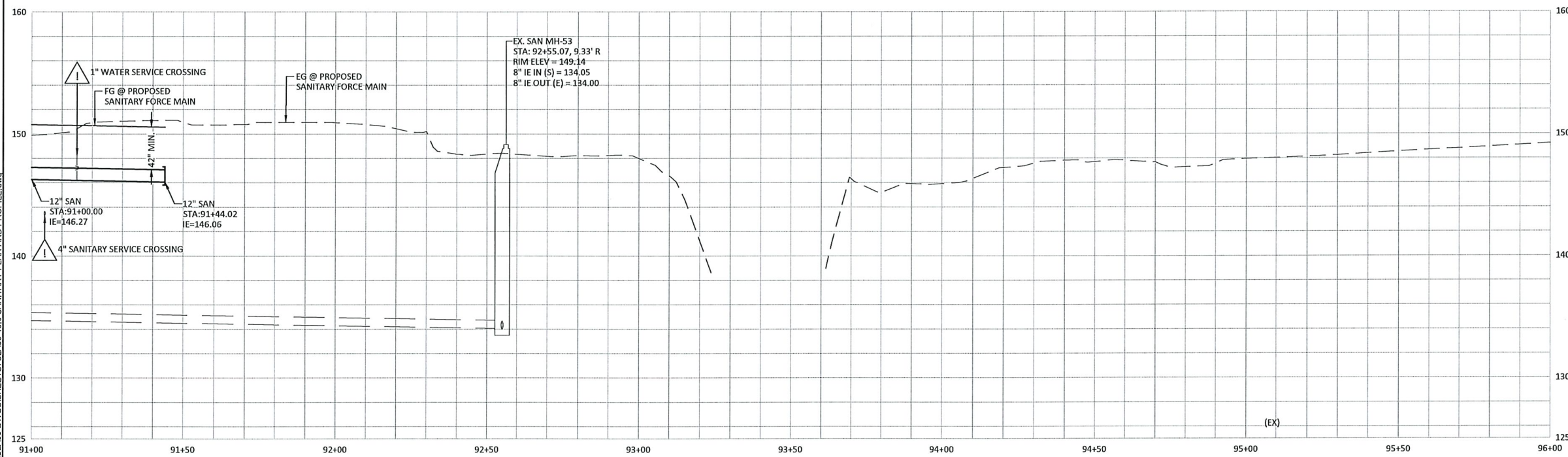
- CONSTRUCTION NOTES:**
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 - 74 CAP 12" DIAMETER D.I. SANITARY FORCE MAIN.

CAUTION:

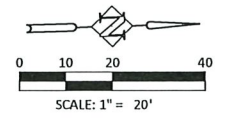
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LINWOOD AVE PLAN VIEW
SCALE: 1"=20'



LINWOOD AVE - CENTERLINE PROFILE
SCALE: 1"=20' (HORIZ.)
1"=5' (VERT.)



P:\CLA (Clackamas County)\CLA-93 (Linwood Ave)\CLA93-DWGSS\SHEETS\CLA93-15.0 SANITARY PLAN AND PROFILE.dwg

PREPARED FOR



CLACKAMAS COUNTY
DEVELOPMENT AGENCY
DEVELOPMENT SERVICES BLDG.
150 BEAVERCREEK ROAD
OREGON CITY, OR 97045

| DATE | NO. | DESCRIPTION |
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| REVISIONS | | |

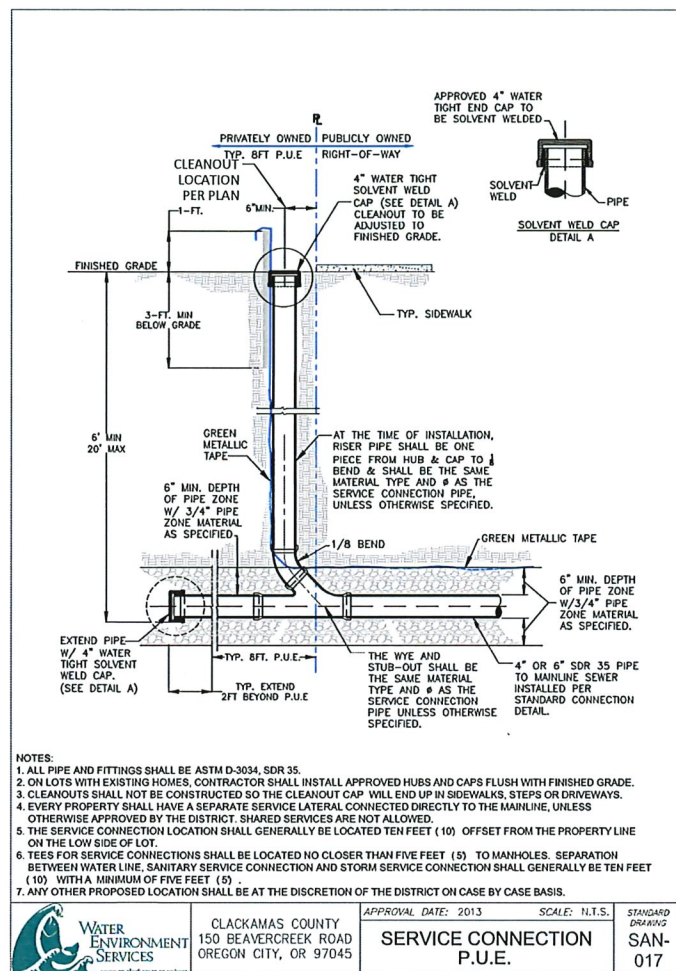
DESIGNED: HHPR TEAM
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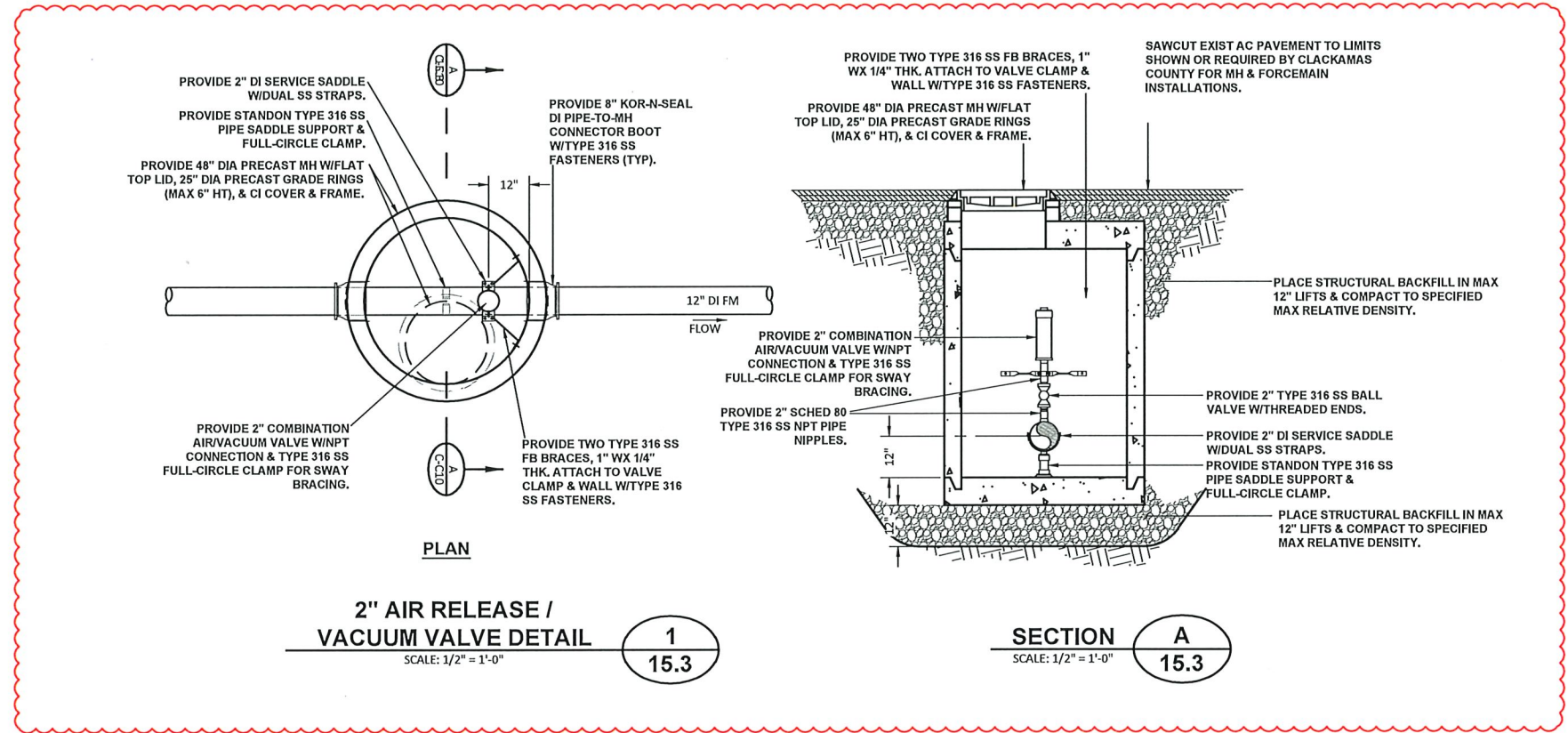
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SANITARY PLAN AND PROFILE
SE LINWOOD AVENUE
CLACKAMAS COUNTY, OREGON

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| SHEET NO. | 15.5 |
| JOB NO. | CLA-93 |



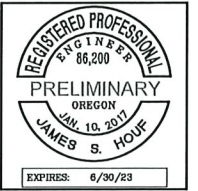
| | | | |
|--|---|--|--|
| | CLACKAMAS COUNTY 150 BEAVERCREEK ROAD OREGON CITY, OR 97045 | APPROVAL DATE: 2013 SERVICE CONNECTION P.U.E. | SCALE: 1/1"=1'-0" STANDARD DRAWING SAN-017 |
| | PREPARED FOR: | | |



DISCUSS AIR RELEASE VACUUM VALVE AND MANHOLE CONFIGURATION DETAILING

P:\CLA\Clackamas County\CLA-93 (Linwood Ave)\CLAGS-DWG\SS\CLAGS-15.0 SANITARY PLAN AND PROFILE.dwg

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|--|---|--|
| | CLACKAMAS COUNTY DEVELOPMENT AGENCY DEVELOPMENT SERVICES BLDG. 150 BEAVERCREEK ROAD OREGON CITY, OR 97045 | DESIGNED: HHPR TEAM DRAWN: HHPR TEAM CHECKED: DSH/JSH DATE: 5-23-2022 |
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