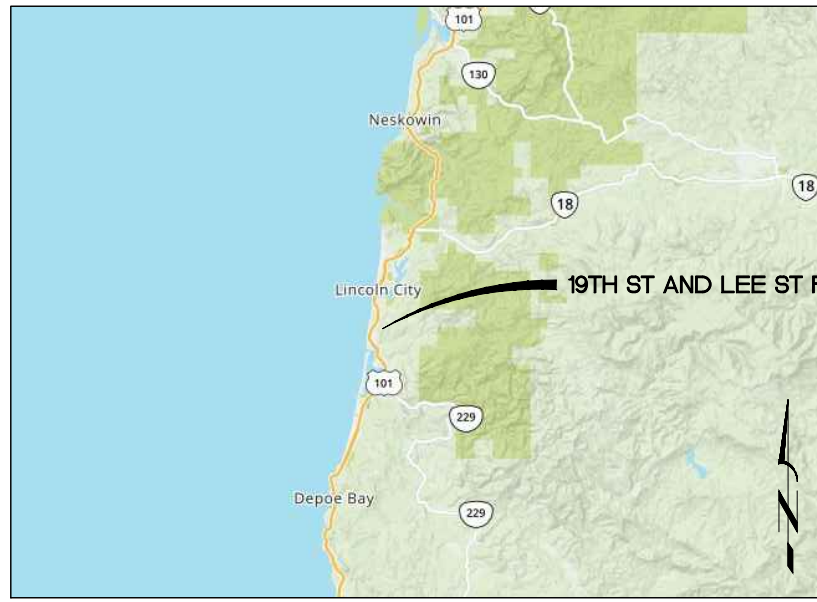


# CITY OF LINCOLN CITY

## 19th ST & LEE ST PUMP STATION

### FEBRUARY 2021



VICINITY MAP

NOT TO SCALE

#### EXISTING LEGEND

- SANITARY SEWER MANHOLE
- SANITARY SEWER LINE
- STORM DRAIN MANHOLE
- CATCH BASIN
- STORM DRAIN LINE
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- TREE (TYPE VARIES ON DRAWING)
- FENCE
- PROPERTY LINE
- EXISTING ELECTRICAL LINE
- EXISTING CURB LINE
- EXISTING EASEMENT
- EXISTING WATER
- EXISTING GAS
- EXISTING PHONE

#### PROPOSED LEGEND

- WATER METER
- ASPHALT
- GRAVEL / HARD SURFACE
- CONTOUR
- RIGHT OF WAY
- CENTERLINE
- EASEMENT
- LOT LINE
- STORM MH
- GATE VALVE
- BUTTERFLY VALVE
- CHECK VALVE
- DITCH
- FENCE

#### OWNER

CITY OF LINCOLN CITY  
 P.O. BOX 50  
 801 SW HIGHWAY 101  
 LINCOLN CITY, OREGON 97367  
 CONTACT: TERRY CHAMBERLIN, PE  
 PH: (541) 996-1292

#### CIVIL ENGINEER

HBH CONSULTING ENGINEERS, INC.  
 501 E 1ST STREET  
 NEWBERG, OREGON 97132  
 CONTACT: NATALIE JENNINGS, P.E.  
 PH: (503) 554-9553  
 FAX: (503) 537-9554  
 EMAIL: njennings@hbh-consulting.com

#### SURVEYOR

BARKER SURVEYING  
 3657 KASHMIR WAY SE  
 SALEM, OREGON 97317  
 CONTACT: GREG L. WILSON, PLS  
 PH: (503) 588-8800

#### VERTICAL DATUM

BENCHMARK UTILIZED: L.C.G.C. 200205

ELEV: 81.45 (NAVD 88)

DATUM HAS VERTCON DATUM SHIFT OF +3.31'  
 FROM PUBLISH NGVD 29 VALUE OF 78.14'

2" BRASS CAP LOCATED AT THE CENTER ONE  
 1/4 CORNER OF SECTION 11, APPROXIMATELY 50' NORTHWESTERLY  
 FROM PUMP HOUSE AND ADJACENT TO TWO LARGE SPRUCE STUMPS.

#### PROJECT SITE LOCATION

2010 SE LEE AVE.  
 LINCOLN CITY, OR 97367

#### TAX LOT INFORMATION

THIS PROJECT IS LOCATED IN THE SE 1/4 OF SECTION 22, T 7 S, R 11  
 W.W.M. CITY OF LINCOLN CITY, LINCOLN COUNTY, OREGON

#### SHEET INDEX

- C-1 COVER SHEET
- C-2 EROSION CONTROL
- C-3 DEMOLITION PLAN
- C-4 SITE PLAN
- C-5 PIPE CONNECTIONS
- C-6 3-PHASE SERVICE BORING PLAN
- C-7 PUMP HOUSE
- C-8 PIPING SCHEMATIC
- C-9 PUMP STATION DETAILS 1
- C-10 PUMP STATION DETAILS 2

ELECTRICAL DRAWINGS TO BE ADDED LATER.  
 STRUCTURAL DRAWINGS TO BE ADDED LATER.

#### ABBREVIATIONS

⊙	AT	ODFW	OREGON DEPARTMENT OF FISH & WILDLIFE
AC	ASPHALT OR ASBESTOS CEMENT (PIPE)	P/L	PROPERTY LINE
ADPT	ADAPTER	PVC	POLYVINYL CHLORIDE
BV	BUTTERFLY VALVE	PVI	POINT OF VERTICAL INTERSECTION
CB	CATCH BASIN	RJ	RESTRAINED JOINT
C/L	CENTERLINE	ROW	RIGHT OF WAY
OMP	CORRUGATED METAL PIPE	RT	RIGHT
CO	CLEAN OUT	S	SOUTH
COTG	CLEAN OUT TO GRADE	SE	SOUTH EAST
CY	CUBIC YARDS	SW	SOUTH WEST
DR	DRIVE	STM	STORM DRAIN
DI	DUCTILE IRON	SF	SQUARE FEET
E	EAST	SAN	SANITARY SEWER
ELEV	ELEVATION	ST	STREET
EOP	EDGE OF PAVEMENT	STA	STATION
EX OR EXIST.	EXISTING	S=	SLOPE EQUALS
FCA	FLANGE COUPLING ADAPTER	S/W	SIDEWALK
FH	FIRE HYDRANT	TB	THRUST BLOCK
FLG	FLANGE	TYP	TYPICAL
GUT	GUTTER	VER	VERTICAL
GV	GATE VALVE	W	WEST
HDPE	HIGH DENSITY POLYETHYLENE	W/	WITH
HOR	HORIZONTAL	WTR	WATER
HP	HIGH POINT		
HYD	HYDRANT		
IE	INVERT ELEVATION		
LF	LINEAR FEET		
LN	LINE		
LP	LOW POINT		
LT	LEFT		
MH	MANHOLE		
MJ	MECHANICAL JOINT		
N	NORTH		
NE	NORTH EAST		
NTS	NOT TO SCALE		
NW	NORTH WEST		

#### LOCATE

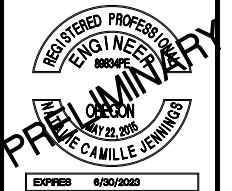
(48 HOUR NOTICE PRIOR TO EXCAVATION)

OREGON LAW REQUIRES YOU TO FOLLOW THE RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH 952-001-0090 & ORS 757.542 THROUGH 757.562 AND ORS 757.993. YOU MAY OBTAIN COPIES OF THE RULES FROM THE CENTER BY CALLING (503) 246-1987. ONE CALL SYSTEM NUMBER 1-800-332-2344.



19TH AND LEE PUMP STATION

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 Newberg, Oregon 97132  
 CONSULTING 503/554-9553 fax 503/537-9554  
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REV.	DATE	DESCRIPTION

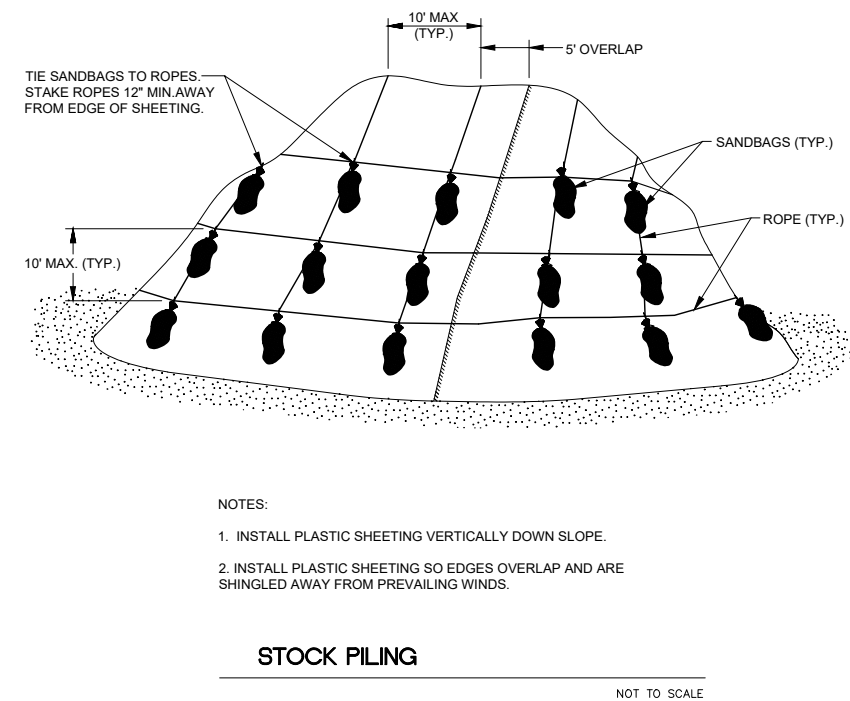
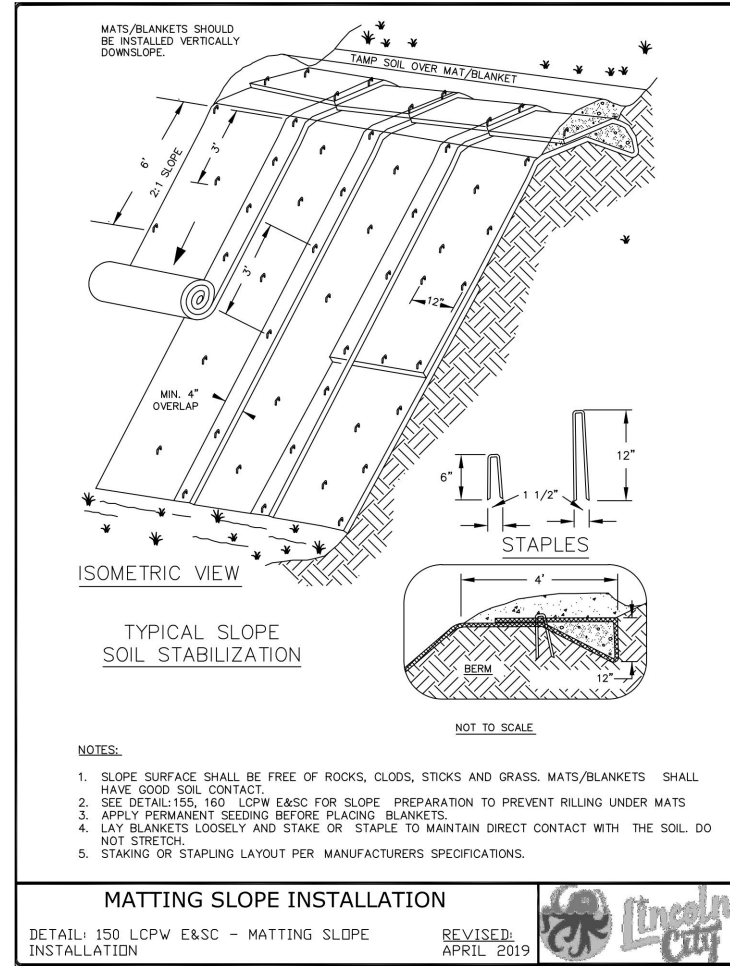
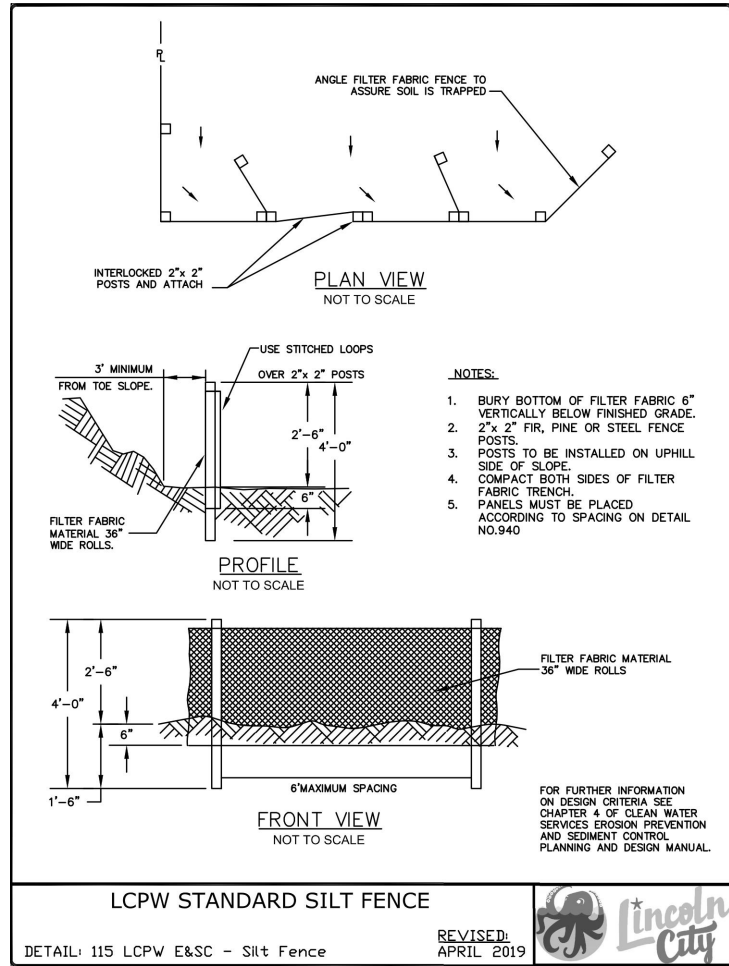
19TH AND LEE ST PUMP STATION  
 LINCOLN CITY, OR  
 COVER SHEET

C-1

2/28/2022

1 of 10

2019-019.04



**EROSION AND SEDIMENT CONTROL BMP IMPLEMENTATION:**

- 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.
- ALL "SEDIMENT BARRIERS (TO BE INSTALLED AFTER GRADING)" SHALL BE INSTALLED IMMEDIATELY FOLLOWING ESTABLISHMENT OF FINISHED GRADE AS SHOWN ON THESE PLANS.
- LONG TERM SLOPE STABILIZATION MEASURES SHALL BE IN PLACE OVER ALL EXPOSED SOILS BY OCTOBER.
- "WET WEATHER" CONSTRUCTION MEASURES NEED TO BE APPLIED BETWEEN OCTOBER 1ST AND MAY 31ST.
- SEED USED FOR TEMPORARY OR PERMANENT SEEDING SHALL BE COMPOSED OF ONE OF THE FOLLOWING MIXTURES, UNLESS OTHERWISE AUTHORIZED:
  - DWARF GRASS MIX (MIN. 100 LB./AC.)
  - BLUE WILDRIE - ELYMUS GLAUCUS (45%)
  - WESTERN FESCUE GRASS (30%)
  - CALIFORNIA BROME GRASS - BROMUS CARINATUS (10%)
  - CANADA BLUEGRASS - POA COMPRESSA (10%)
  - HEAL-ALL - PRUNELLA VULGARIS VAR. LANCEOLATA (5%)
- SLOPES 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 BE PROVIDED BY THE CITY OF LINCOLN CITY. LONG TERM SLOPE STABILIZATION MEASURES ARE NOT THE RESPONSIBILITY OF THE CONTRACTOR UNLESS THE CONTRACTOR DISTURBS AN AREA OUTSIDE THE PROJECT BOUNDS. SLOPE STABILIZATION MEASURES ARE TO INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING WITH APPROVED MIX AND APPLICATION RATE OR AN APPROVED COMBINATION OF SHRUBS AND VEGETATION.
- TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE COVERING EXPOSED SOIL WITH PLASTIC SHEETING, STRAW MULCHING, 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 THROUGHOUT 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.
- 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 FOR TRUCK ACCESS AND BE CLEANED WHEN IT REACHES 50% OF THE CAPACITY.
- SWEEPING FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE TRANSFERRED TO THE STORM WATER SYSTEM. SWEEPINGS SHALL BE PICKED UP AND DISPOSED IN THE TRASH.
- USE BMP'S SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.
- 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 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.
- 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 (WITH OUTLET PROTECTION), CHECK DAMS, SURFACE ROUGHENING, AND BANK STABILIZATION.

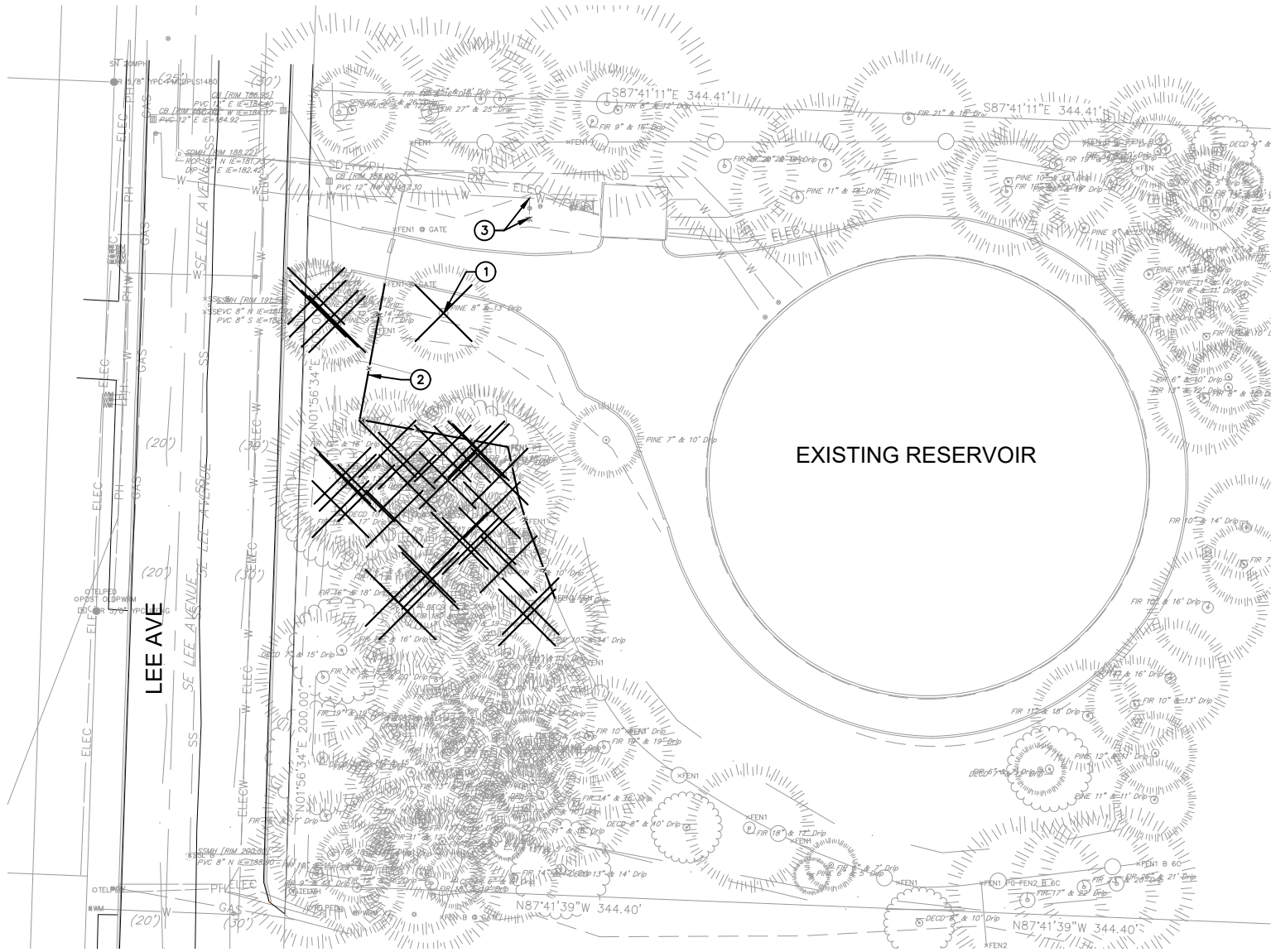


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 Newberg, Oregon 97132  
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REV.	DATE	DESCRIPTION
19		

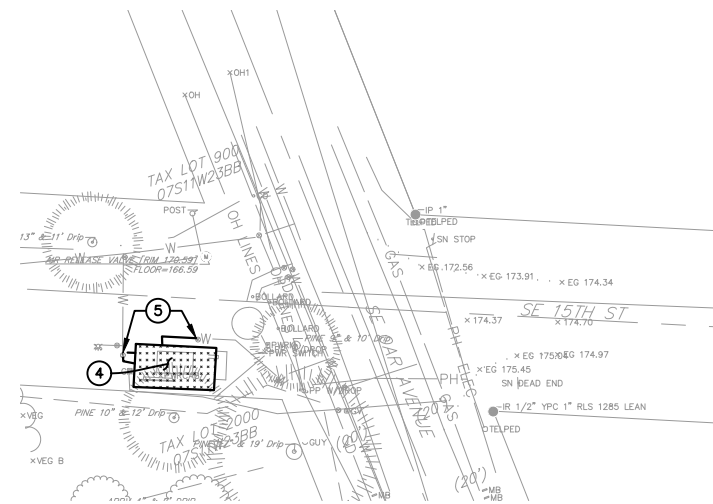
IF THIS LINE IS NOT 1/8" INCH SCALE IS NOT AS SHOWN

LINCOLN CITY  
 801 SW HIGHWAY 101, LINCOLN CITY, OR 97367  
**19TH AND LEE ST PUMP STATION**  
 LINCOLN CITY, OR  
**EROSION CONTROL**



RESERVOIR SITE

SCALE: 1" = 20'



EXISTING PUMP STATION

SCALE: 1" = 20'

**DEMOLITION PLAN GENERAL NOTES**

1. TREE REMOVAL IS THE RESPONSIBILITY OF CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR THE COST OR PROFIT FROM REMOVING ANY LUMBER FROM THE PROPERTY.
2. CONTRACTOR IS RESPONSIBLE FOR ALL DISPOSAL COSTS OF ANY REMOVED EQUIPMENT.
3. ENSURE THE ABANDONED PUMP STATION IS HYDRAULICALLY AND ELECTRICALLY STABLE IN THE CONDITION IT IS LEFT IN.

**⊗ DEMOLITION PLAN KEYED NOTES**

1. REMOVE (30) EXISTING TREES (TYP)
2. REMOVE AND RELOCATE SECTION OF EXISTING FENCE
3. REMOVE EXISTING FIRE HYDRANT AND CAP THE TEE DOWNSTREAM OF THE VALVE.
4. ABANDON EXISTING PUMP STATION AT SE 15TH ST.
5. CLOSE AND CAP VALVE WITH BLIND FLANGE WITH BLOWOFF.



EXPIRES 6/30/2028

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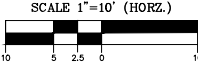
Designed By: NCJ | Drawn By: DRP | Checked By: ARC | Submittal No.: L:2019-019-0414-Design/DWG/Demo.dwg  
 File: OHA

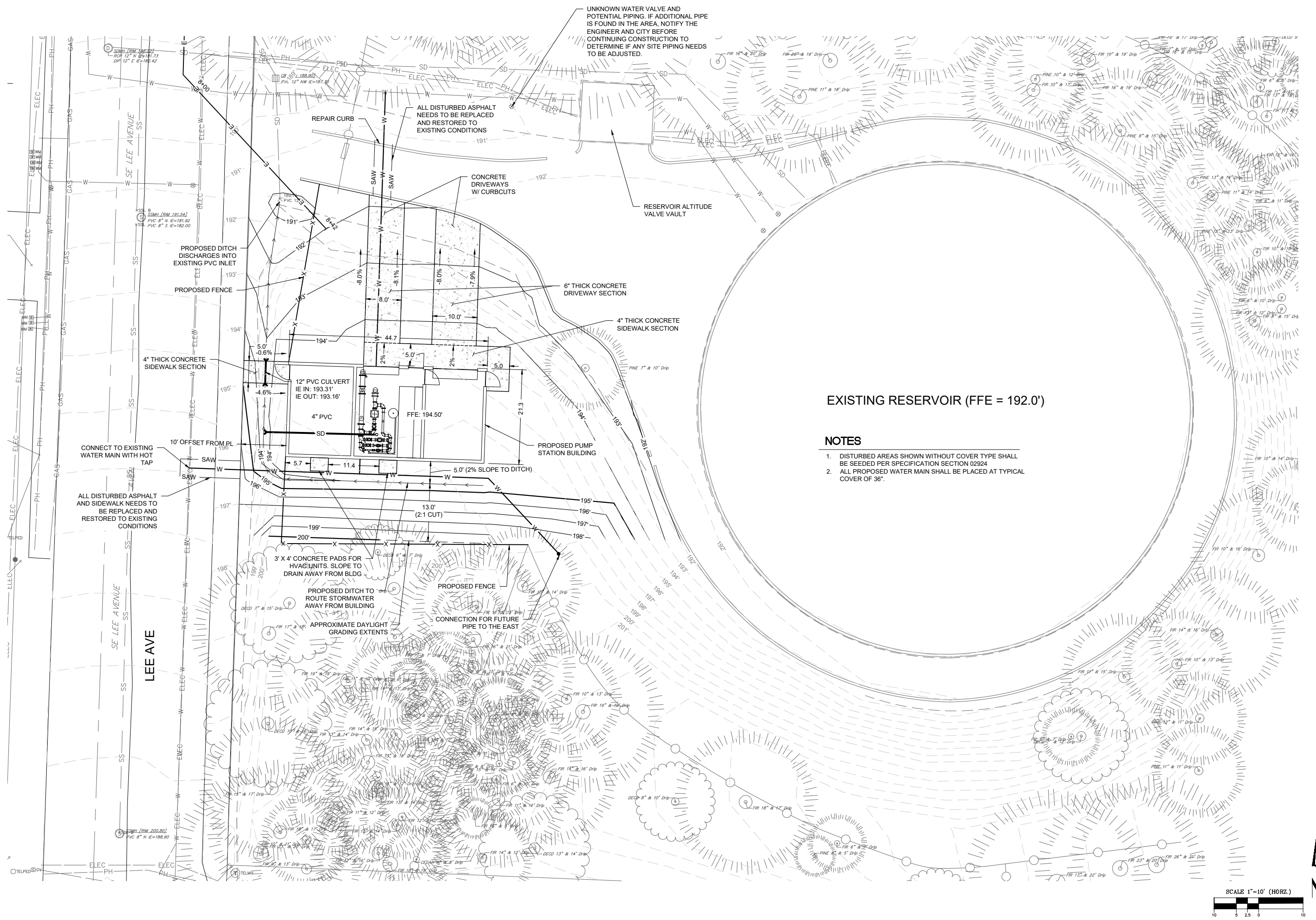
REV.	DATE	DESCRIPTION	BY

IF THIS LINE IS NOT 1 INCH SCALE IS NOT AS SHOWN

LINCOLN CITY  
 801 SW HIGHWAY 101, LINCOLN CITY, OR 97367  
**19TH AND LEE ST PUMP STATION  
 LINCOLN CITY, OR  
 DEMOLITION PLAN**

Drawn: Shawn Noe  
  
 2/28/2022  
 3 of 10  
 2019-019.04





UNKNOWN WATER VALVE AND POTENTIAL PIPING. IF ADDITIONAL PIPE IS FOUND IN THE AREA, NOTIFY THE ENGINEER AND CITY BEFORE CONTINUING CONSTRUCTION TO DETERMINE IF ANY SITE PIPING NEEDS TO BE ADJUSTED.

ALL DISTURBED ASPHALT NEEDS TO BE REPLACED AND RESTORED TO EXISTING CONDITIONS

CONCRETE DRIVEWAYS W/ CURBCUTS

RESERVOIR ALTITUDE VALVE VAULT

6" THICK CONCRETE DRIVEWAY SECTION

4" THICK CONCRETE SIDEWALK SECTION

EXISTING RESERVOIR (FFE = 192.0')

**NOTES**

1. DISTURBED AREAS SHOWN WITHOUT COVER TYPE SHALL BE SEEDED PER SPECIFICATION SECTION 02924
2. ALL PROPOSED WATER MAIN SHALL BE PLACED AT TYPICAL COVER OF 36".

CONNECT TO EXISTING WATER MAIN WITH HOT TAP

ALL DISTURBED ASPHALT AND SIDEWALK NEEDS TO BE REPLACED AND RESTORED TO EXISTING CONDITIONS

LEE AVE

PROPOSED DITCH DISCHARGES INTO EXISTING PVC INLET

PROPOSED FENCE

4" THICK CONCRETE SIDEWALK SECTION

10' OFFSET FROM RL

12" PVC CULVERT  
IE IN: 193.31'  
IE OUT: 193.16'

4" PVC

FFE: 194.50'

PROPOSED PUMP STATION BUILDING

13.0' (2:1 CUT)

3' X 4' CONCRETE PADS FOR HVAC UNITS. SLOPE TO DRAIN AWAY FROM BLDG

PROPOSED DITCH TO ROUTE STORMWATER AWAY FROM BUILDING

APPROXIMATE DAYLIGHT GRADING EXTENTS

PROPOSED FENCE

CONNECTION FOR FUTURE PIPE TO THE EAST



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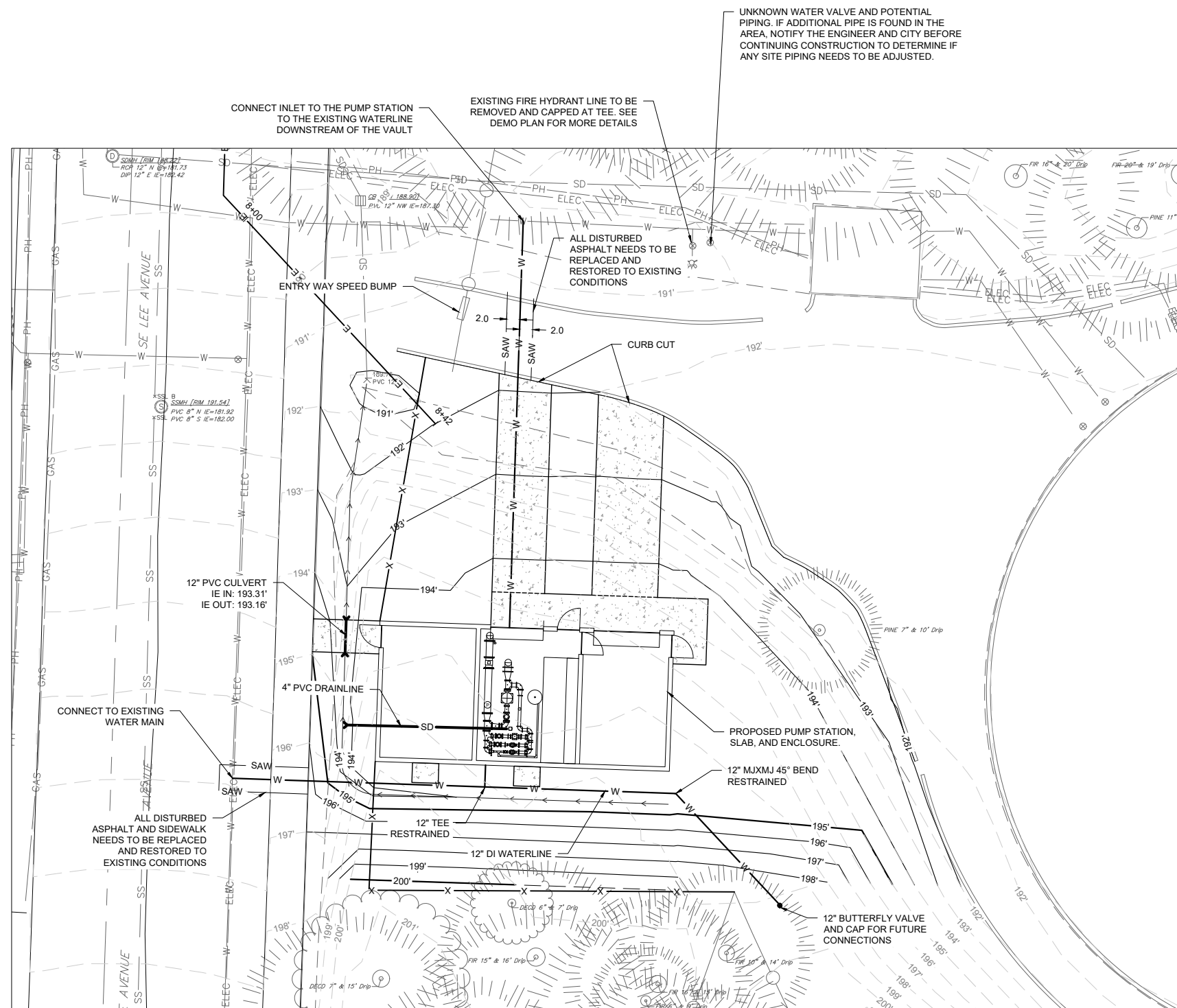
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**19TH AND LEE ST PUMP STATION  
SITE PLAN**

801 SW HIGHWAY 101, LINCOLN CITY, OR 97367

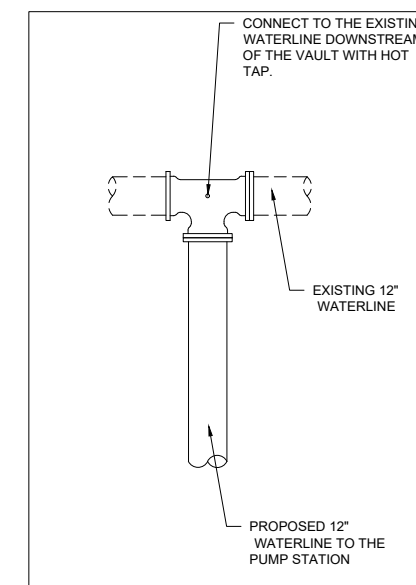
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2/28/2022  
2019-019.04

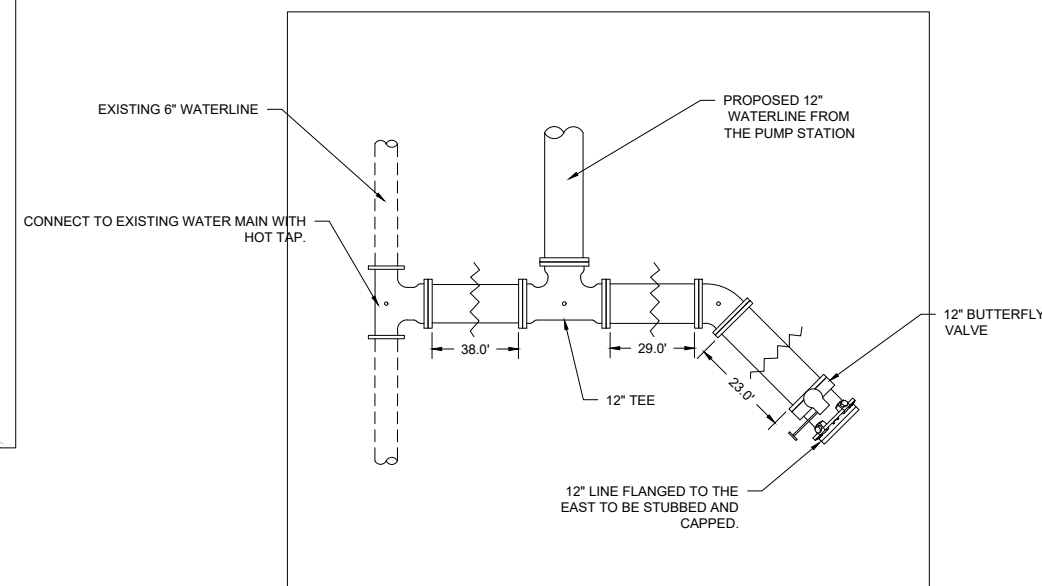


**PIPE CONNECTION TO EXISTING SYSTEM OVERVIEW**

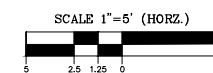
UNKNOWN WATER VALVE AND POTENTIAL PIPING. IF ADDITIONAL PIPE IS FOUND IN THE AREA, NOTIFY THE ENGINEER AND CITY BEFORE CONTINUING CONSTRUCTION TO DETERMINE IF ANY SITE PIPING NEEDS TO BE ADJUSTED.



**PIPE INLET CONNECTION TO EXISTING SYSTEM**  
N.T.S.



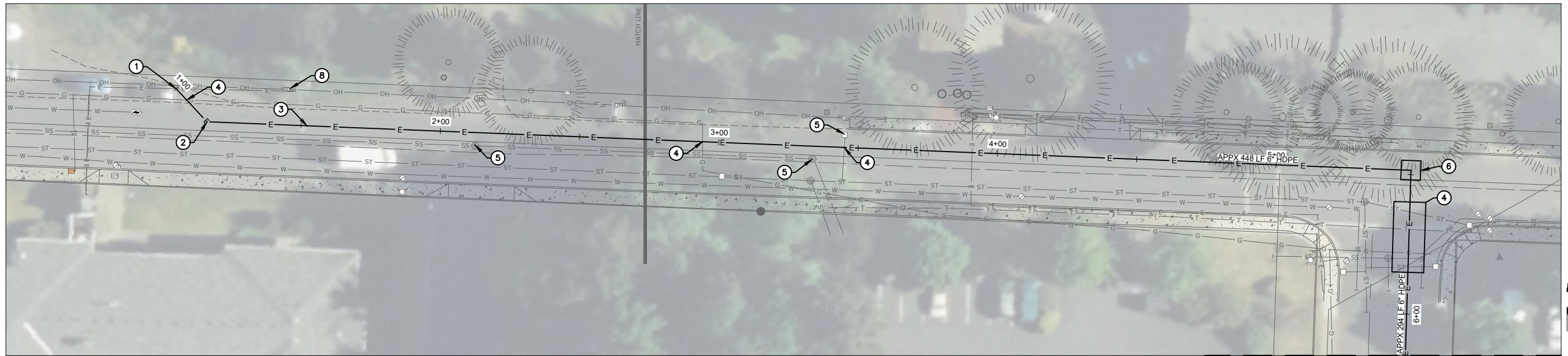
**PIPE OUTLET CONNECTION TO EXISTING SYSTEM**  
N.T.S.



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REV.	DATE	DESCRIPTION

19TH AND LEE ST PUMP STATION  
 LINCOLN CITY, OR  
**PIPE CONNECTIONS**



19th STREET SERVICE BORING PLAN

11x17: 1"=40'  
22x34: 1"=20'

MATCH LINE - SEE LEE AVENUE SERVICE BORING PLAN ON THIS SHEET



LEE AVENUE SERVICE BORING PLAN

11x17: 1"=40'  
22x34: 1"=20'

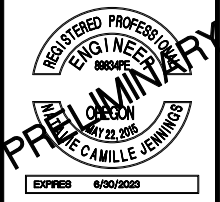
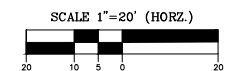
MATCH LINE - SEE 19th STREET SERVICE BORING PLAN ON THIS SHEET

⊗ SERVICE BORING PLAN KEYED NOTES

- BEGIN DIRECTIONAL BORE AT NEW CONDUIT TERMINATION POLE. USE 90 DEGREE FIBERGLASS SWEEPS (6" CONDUIT) FOR TRANSITION TO NEW POLE. POLES EXACT LOCATION TO BE DETERMINED.
- 45° CHANGE IN DIRECTION (FIBERGLASS LONG SWEEPS)
- BORE HDPE CONDUIT. SEE SERVICE BORING PLAN GENERAL NOTES ON THIS SHEET.
- UTILITY CROSSING. SEE SERVICE BORING PLAN GENERAL NOTES 2 & 3 ON THIS SHEET.
- STRUCTURE PROXIMITY. SEE SERVICE BORING PLAN GENERAL NOTE 3 ON THIS SHEET.
- INSTALL 776-MH-PCORP PRECAST VAULT WITH PCORP #7992595 FULL TRAFFIC RATED LID. SEE ELECTRICAL PLAN GENERAL NOTE 4 ON THIS SHEET. RECONSTRUCT STREET SECTION TO LINCOLN CITY STANDARDS AND SPECIFICATIONS.
- END HDPE DIRECTIONAL BORE AT NEW TRANSFORMER PAD PER ELECTRICAL SHEET E1. SEE E1 WITH PP MARKUPS 2-9-22 FOR CONDUIT TERMINATION AT VAULT NOTES
- EXISTING POLE #228701

SERVICE BORING PLAN GENERAL NOTES

- ELECTRICAL CONDUIT HDPE PIPING SHALL MEET SPECIFICATIONS AND REQUIREMENTS OF PACIFICORP STANDARD ZG 031. DEPTH OF PIPING TO BE 30" MINIMUM AND 48" MAXIMUM. CONTRACTOR TO CONTACT THE DESIGN ENGINEER AND PACIFICORP IMMEDIATELY IF A CONFLICT ARISES THAT REQUIRES A DEVIATION FROM THESE DEPTHS FOR REVIEW AND APPROVAL. CONDUIT INSTALLATION SHALL CONFORM TO PACIFICORP POLICY 343. BOTH OF THESE DOCUMENTS ARE AVAILABLE AT: <https://www.pacificpower.net/working-with-us/builders-contractors/electric-service-requirements.html>
- CONTRACTOR TO POTHOLE ALL ANTICIPATED CROSSINGS (MARKED OR UNMARKED ON THIS PLAN SET) BEFORE BEGINNING CONSTRUCTION OF THE HDPE BORE. CONTRACTOR TO ADJUST BORE VERTICAL ALIGNMENT ACCORDINGLY TO MAINTAIN MINIMUM 12" VERTICAL SEPARATION BETWEEN OUTER EDGE OF PIPING AT CROSSINGS. CONTRACTOR TO CONTACT THE DESIGN ENGINEER AND PACIFICORP IMMEDIATELY IF A CONFLICT ARISES THAT REQUIRES A DEVIATION FOR REVIEW AND APPROVAL.
- CONTRACTOR TO MAINTAIN MINIMUM 36" OUTER EDGE OF PIPE TO OUTER EDGE OF PIPE HORIZONTAL SEPARATION BETWEEN WATER, SANITARY, AND STORM UTILITIES AND STRUCTURES. CONTRACTOR MAINTAIN MINIMUM 12" OUTER EDGE OF PIPE TO OUTER EDGE OF PIPE SEPARATION BETWEEN GAS/COMMUNICATION UTILITIES AND STRUCTURES. CONTRACTOR TO DEFLECT PIPING FROM PROPOSED ALIGNMENT IF NECESSARY TO MEET THESE SPACING REQUIREMENTS.
- THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL EARTH UNDER THE VAULT IS COMPACTED TO WITHIN 2% SLOPE PRIOR TO SETTING THE VAULT. A CLEAN 6-INCH BASE OF ¾"-MINUS GRAVEL SHALL BE PROVIDED UNDER THE ENCLOSURE, AND MUST BE COMPACTED TO 90% OF DRY DENSITY. THE INTERFACE BETWEEN THE COVER/FRAME ASSEMBLY AND THE ENCLOSURE SHALL BE SEALED USING A WATERPROOF SUBSTANCE SUCH AS TAR OR MASTIC SEAL. RIM TO BE SET AT EXISTING GRADE.
- A SURVEY WAS NOT COMPLETED FOR THE ENTIRE LENGTH OF THE PROJECT. THERE ARE UTILITIES THAT EXIST THAT ARE NOT SHOWN ON THE PLANS. CONTRACTOR TO ORDER LOCATES FOR THE FULL PROJECT LENGTH, NOT JUST THE UTILITIES SHOWN TO FIND ALL UTILITY CONFLICTS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE CONDUIT, VAULT, AND BORING AND ITEMS SPECIFICALLY SHOWN ON THIS DRAWING AND THE ELECTRICAL DRAWINGS. THE ELECTRICAL SERVICE WIRE AND CONNECTIONS WILL BE PROVIDED BY PACIFICORP.



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REV.	DATE	DESCRIPTION	BY

IF THIS LINE IS NOT 1/8" INCH SCALE IS NOT AS SHOWN

801 SW HIGHWAY 101, LINCOLN CITY, OR 97367  
**19TH AND LEE ST PUMP STATION**  
 LINCOLN CITY, OR  
**3-PHASE SERVICE BORING PLAN**

DATE: 2/28/2022  
 SHEET NO: 6 OF 10  
 PROJECT NO: 2019-019.04

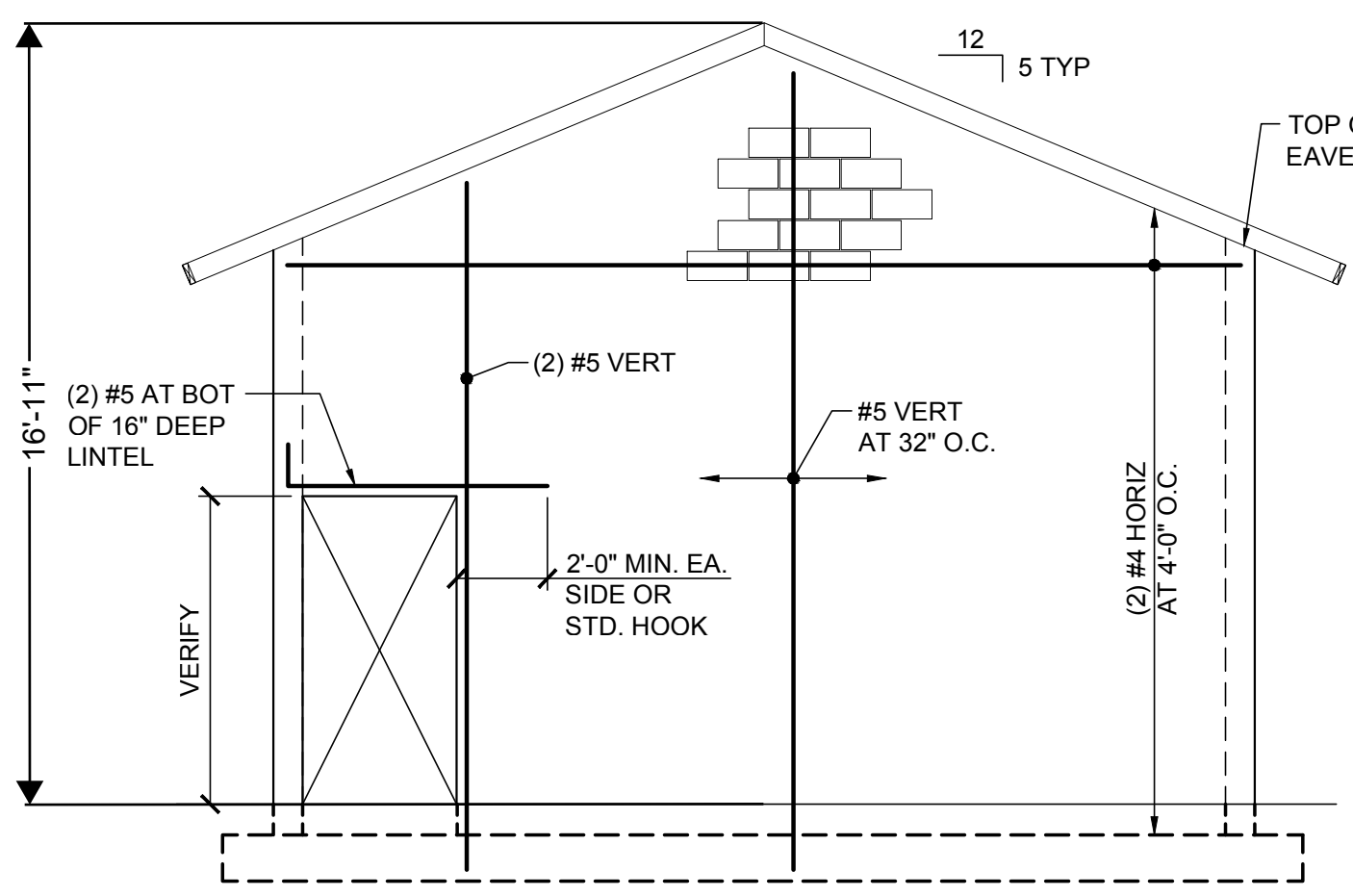


RENEWS: 12-31-2022

FOUNDATION SCHEDULE*		
MARK	SIZE	REINFORCING
FC2.0	2'-0" x 15" THICK CONTINUOUS	(3) #5 CONTINUOUS AT BOTTOM
FC2.8	2'-8" x 15" THICK CONTINUOUS	(4) #5 CONTINUOUS TOP & BOTTOM

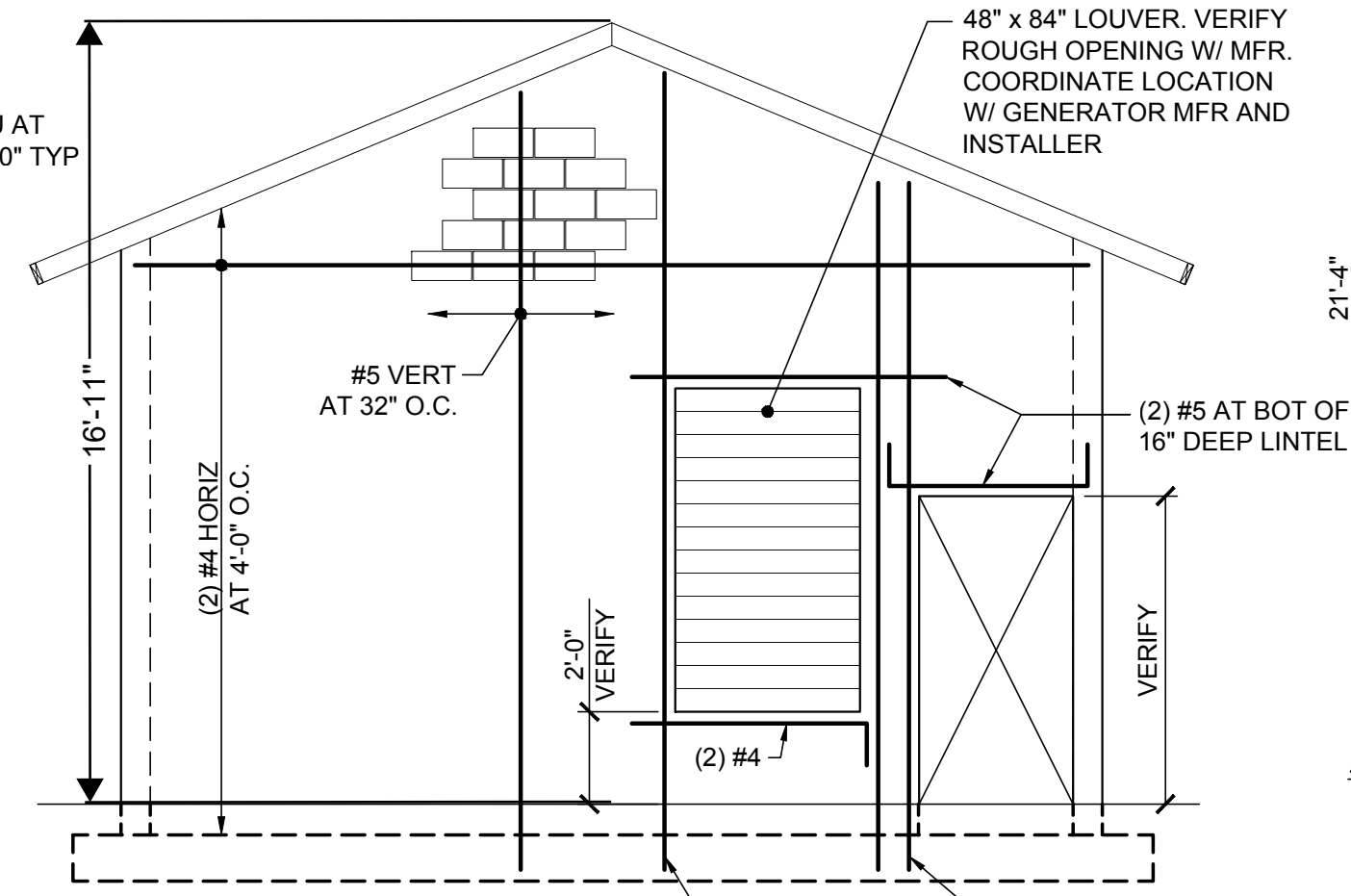
\*NOTE: SUBGRADE PREPARATION TO BE PER GEOENGINEERS INC. REPORT DATED AUGUST 2021.

\*\* GENERATOR ANCHORAGE: PROVIDE 5/8" DIAMETER GALVANIZED THREADED ROD EPOXY ANCHORS WITH 6" EMBED. AT (14) LOCATIONS USING HOLES IN MANUFACTURER'S FRAME. (OPTION: USE 5/8" DIA. STAINLESS STEEL SIMPSON TITEN-HD WITH 6" EMBED).



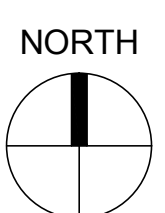
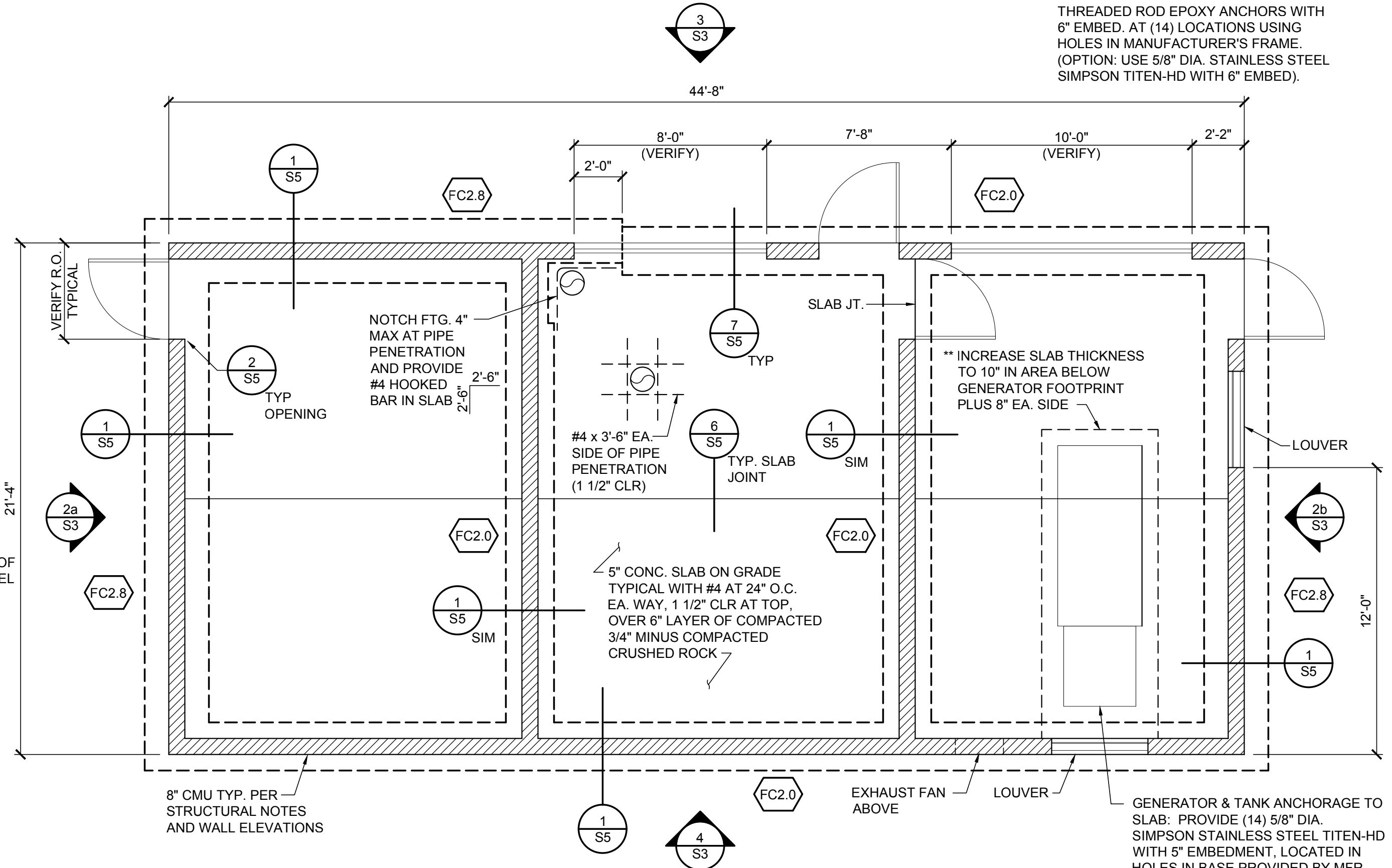
NOTE: SEE STRUCTURAL NOTES ON S1 FOR ADDITIONAL REINFORCING REQUIREMENTS

2a WEST ELEVATION  
1/4" = 1'-0"

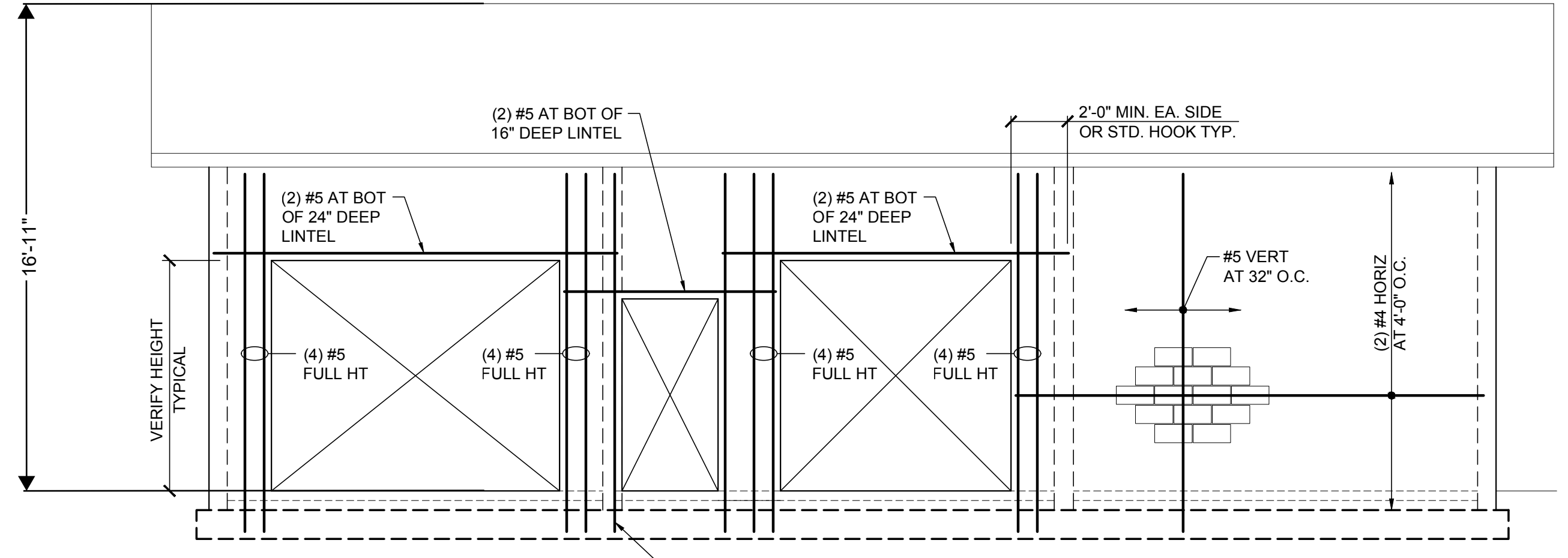


NOTE: SEE STRUCTURAL NOTES ON S1 FOR ADDITIONAL REINFORCING REQUIREMENTS

2b EAST ELEVATION  
1/4" = 1'-0"

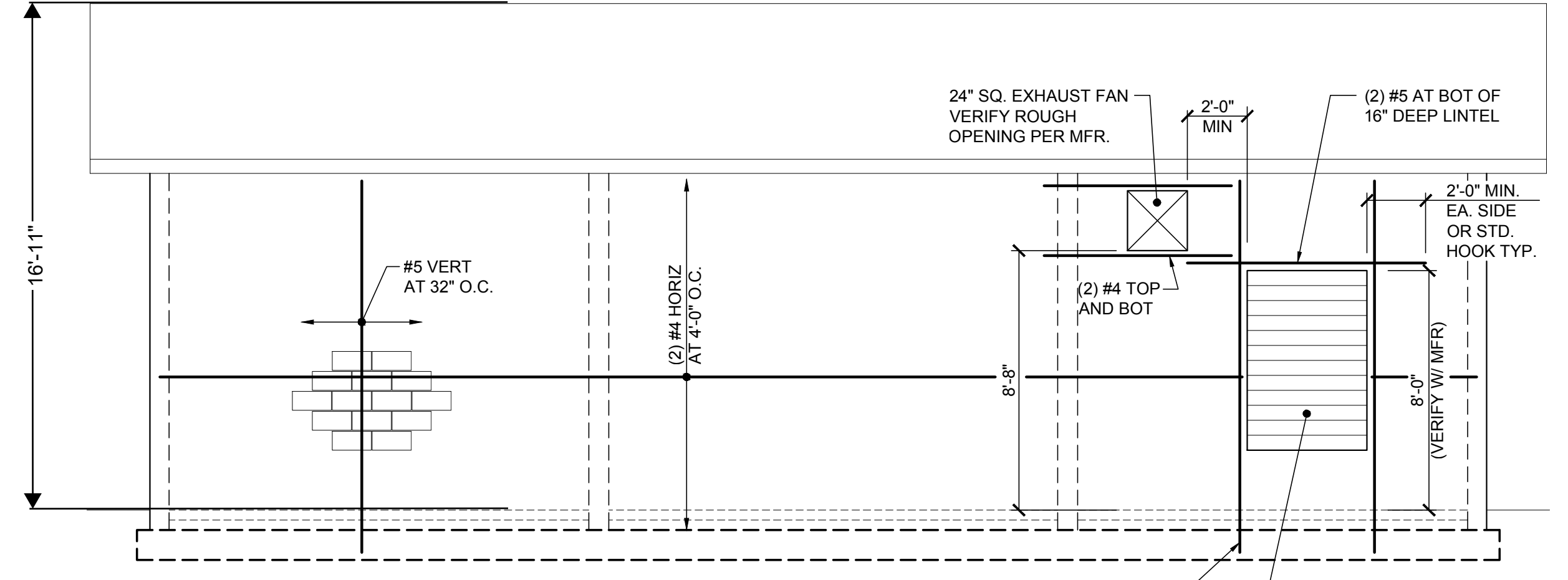


1 FOUNDATION PLAN  
1/4" = 1'-0"



NOTE: SEE STRUCTURAL NOTES ON S1 FOR ADDITIONAL REINFORCING REQUIREMENTS

3 NORTH ELEVATION  
1/4" = 1'-0"



NOTE: SEE STRUCTURAL NOTES ON S1 FOR ADDITIONAL REINFORCING REQUIREMENTS

4 SOUTH ELEVATION  
1/4" = 1'-0"

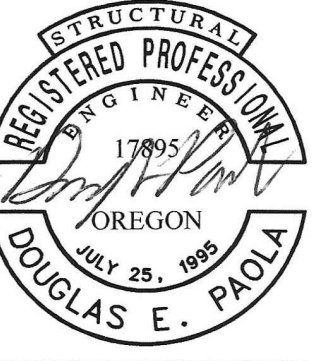
**H B H**  
ENGINEERS  
501 E First Street  
Newberg, Oregon 97132  
CONSULTING 503/554-9553 fax 503/537-9554  
email: mail@hbh-engineers.com

REV.	DATE	DESCRIPTION

IF THIS LINE IS NOT 1/4" INCH SCALE IS NOT AS SHOWN

19TH AND LEE ST PUMP STATION  
LINCOLN CITY, OR  
FOUNDATION AND  
ROOF FRAMING PLAN

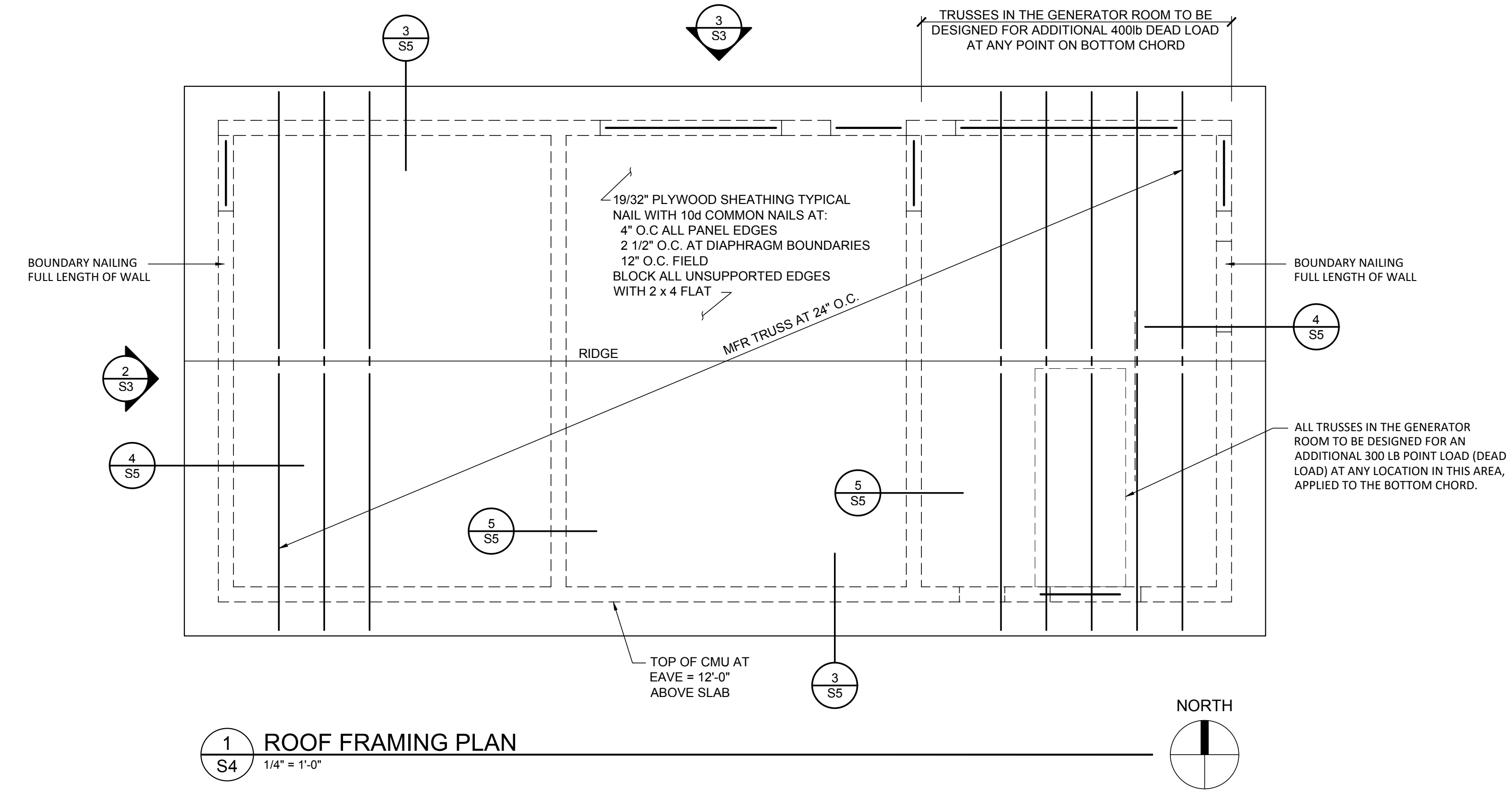
Structural - Civil Engineers  
WDY  
6443 SW Beaveron-Hillsdale Hwy, suite 210 Portland, OR 97221 ph: 503.203.8111 fx: 503.203.8122 www.wdy.com



RENEWS: 12-31-2022

**H B H**  
**CONSULTING ENGINEERS**  
 501 E First Street  
 Newberg, Oregon 97132  
 503/554-9553 fax 503/537-9554  
 email: mail@hbh-engineers.com

Designed By: \_\_\_\_\_  
 Drawn By: GBB  
 Checked By: DP  
 Submittal No: \_\_\_\_\_  
 File: \_\_\_\_\_



**1**  
**S4**  
**ROOF FRAMING PLAN**  
 1/4" = 1'-0"

REV.	DATE	DESCRIPTION	BY

IF THIS LINE IS NOT 1/4" INCH SCALE IS NOT AS SHOWN

**WDY** Structural - Civil Engineers  
 6443 SW Beaverton-Hillsdale Hwy, Suite 210 Portland, OR 97221 ph: 503.203.8111 fx: 503.203.8122 www.wdy.com

LINCOLN CITY, OREGON  
 801 SW HIGHWAY 101, LINCOLN CITY, OR 97367  
**19TH AID LEE T PUMP STATION**  
 LIN CITY, OR  
**ROOF FRAMING PLAN**

Date: 3/14/2022  
 Sheet No: **S4**  
 of \_\_\_\_\_





RENEWS: 12-31-2022

**H B H**  
CONSULTING  
ENGINEERS  
501 E First Street  
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503/554-9553 fax 503/537-9554  
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Drawn By: GBB Checked By: DP  
Submitted No:  
File:

REV.	DATE	DESCRIPTION

IF THIS LINE IS NOT 1 INCH SCALE IS NOT AS SHOWN

**19TH AND LEE ST PUMP STATION  
LINCOLN CITY, OR  
DETAILS**

Date: 3/14/2022

of

