

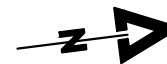
Site plan showing the proposed building footprint (FF=207.75) and existing structures. The plan includes a chimney, a stormwater combination swale (TOP=206.77), and various utility lines and easements. The building is situated on a lot with a street frontage on the left.

LAND SURVEYOR :	ARCHITECT :
FFN SURVEYING 7230 3RD STREET SE #145 TURNER, OR 97392 P: 503.558.3330 INFO@FFNSURVEYING.COM	LIFT ARCHITECTURE 1130 LIBERTY ST SE SUITE 230 SALEM, OR 97302 P: 503.420.8520 INFO@LIFTARCHITECTURE.COM

<b><u>WATER:</u></b> CITY OF SALEM 555 LIBERTY STREET SE SALEM, OREGON. 503.588.6311	<b><u>STORM DRAIN:</u></b> CITY OF SALEM 555 LIBERTY STREET SE SALEM, OREGON. 503.588.6311
<b><u>SEWER:</u></b> CITY OF SALEM 555 LIBERTY STREET SE SALEM, OREGON. 503.588.6311	<b><u>FIRE:</u></b> CITY OF SALEM 555 LIBERTY STREET SE SALEM, OREGON. 503.588.6311
<b><u>ELECTRIC:</u></b> PORTLAND GENERAL ELECTRIC KEN SPENCER KENNETH.SPENCER@PGN.COM 503.970.7200	<b><u>NATURAL GAS:</u></b> NORTHWEST NATURAL GAS COMPANY 3123 BROADWAY ST NE SALEM, OR. 97303 503.585.6611

CITY OF SALEM  
555 LIBERTY STREET SE  
SALEM, OREGON.  
503.588.6311

## SCALE: 1"=20'



*VICINITY MAP*  
NOT TO SCALE

1 - TITLE SHEET  
2 - PRELIMINARY GRADING PLAN  
3 - PRELIMINARY WET UTILITY PLAN  
4 - PRELIMINARY STORMWATER PLAN  
5 - STORMWATER DETAILS

PL	PROPERTY LINE	TYP.	TYPICAL
FF	FINISHED FLOOR	MIN.	MINIMUM
TC	TOP OF CURB	SS	SANITARY SEWER
FS	FINISHED SURFACE	SD	STORM DRAIN
FL	FLOW LINE	CF	CURB FACE
FG	FINISHED GRADE	WM	WATER METER
GB	GRADE BREAK	APD	FIRE DEPARTMENT CONNECTION
CL	CENTERLINE	ACC	ACCESSOR'S PARCEL MAP
R	RIDGE LINE	SQ.FT	SQUARE FEET
R/W	RIGHT OF WAY	INV.	INVERT
WV	WATER VALVE	BF	BACKFLOW
PR.	PROPOSED	CFS	CUBIC FEET PER SECOND
NAP	NOT A PART	SCH.	SCHEDULE
FT	FEET	PVC	POLYVINYL CHLORIDE
EV	ELECTRIC VEHICLE	SDR	SPECIAL DRAWING RIGHT
CAV	CLEAN AIR VEHICLE	PSI	POUNDS PER SQUARE INCH
STD.	STANDARD	NFPA	NATIONAL FIRE PREVENTION ASSOCIATION
AC.	ACRES	CBF	CATCH BASIN
CUP	CONDITIONAL USE PERMIT	D	DIAMETER
EX.	EXISTING	VCP	VITRIFIED CLAY PIPE

IN THE SE  $\frac{1}{4}$  OF SECTION 24, T.7S., R.3W., W.M.  
CITY OF SALEM, MARION COUNTY OREGON

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CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION FOR THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENTS SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOLD HARMLESS THE CITY, ITS EMPLOYEES, AND AGENTS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.

THE CONTRACTOR SHALL BE RESPONSIBLE TO REPORT DISCREPANCIES IN PLANS AND/OR FIELD CONDITIONS IMMEDIATELY TO THE DESIGN ENGINEER FOR RESOLUTION PRIOR TO CONSTRUCTION, AND SHALL BE RESPONSIBLE FOR DISCREPANCIES NOT SO REPORTED AND RESOLVED.

ATTENTION: OREGON LAW REQUIRES YOU  
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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.

(NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS 503-232-1987).

# Dig Safely.

Call the Oregon One-Call Center  
**DIAL 811 or 1-800-332-2344**

345 WESTFIELD ST. #107  
SILVERTON, OR. 97381  
503.308.8554  
ADMIN@7OAKSENGINEERING.COM

REGISTERED PROFESSIONAL  
ENGINEER  
96126PE  
**PRELIMINARY**  
OREGON  
MAY 12, 2020  
STEVEN JOHNSON

[illegible]

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IMMEDIATELY OF ANY DISCREPANCIES OR  
CONFLICTS.

QC BY

**DRAWN BY**

PROJECT NAME:

## MULTI-FAMILY DEVELOPMENT

PROJECT ADDRESS:  
3021 & 3027 D STREET NE

SALEM OR, 97301

SHEET TITLE:

# TITLE SHEET

DATE: 01/21/2025

SHEET NUMBER:

1





NOTICE TO EXCAVATORS:

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POTENTIAL UNDERGROUND FACILITY OWNERS

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LEGEND:

HYDROLOGY SUBAREA BOUNDARY LINE



SUB-AREA LABEL

ENGINEERED METHOD SUMMARY										
PRE VS. POST CONSTRUCTION FLOW RATES										
FACILITY ID	PEAK FLOW RATE (CFS)									
	HALF OF THE 2 YEAR STORM		5 YEAR STORM		10 YEAR STORM		25 YEAR STORM		100 YEAR STORM	
PROJECT SITE	PRE	POST	PRE	POST	PRE	POST	PRE	POST	PRE	POST
A	0.1	0.08	0.16	0.09	0.2	0.09	0.25	0.1	0.34	0.27

\*Number were taken to the 100th place, and rounded accordingly.

CATCHMENT AND FACILITY TABLE			
AREA	TOTAL AREA (SF)/(AC.)	IMPERVIOUS AREA (SF)	PERVIOUS AREA (SF)
A	19,553	13,687	5,866



SCALE: 1"=10'

**7 OAKS**  
ENGINEERING

345 WESTFIELD ST. #107  
SALEM, OR. 97361  
503.581.8855  
ADMIN@7OAKSENGINEERING.COM

STAMP:



NO	DATE	ISSUE DESCRIPTION

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QC BY:

DRAWN BY:

PROJECT NAME:  
MULTI-FAMILY DEVELOPMENT

PROJECT ADDRESS:  
3021 & 3027 D STREET NE

SALEM OR, 97301

SHEET TITLE:

**PRELIMINARY  
STORMWATER  
PLAN**

DATE:  
01/21/2025

SHEET NUMBER:

**4**

JOB #00330

NOTICE TO EXCAVATORS:

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OVERFLOW ELEVATION

VARIABLE (NOTE 2)

18" MIN.

2"

3:1 MAX SIDE SLOPES (TYP)

5 FT. MIN. FLAT BOTTOM

2 FT. MIN. FLAT BOTTOM

FOR PARKING LOTS, TIRE STOPS OR CURBS W/ CUTS 12" X 12" CLEAR FLOW AREA AT CUTOUTS

50" MAX TYP.

VARIABLE (NOTE 5)

3"

SEE STANDARD PLAN 221 FOR OVERFLOW ELEVATION PIPING CONFIGURATION (NOTE 11)

GROWING MEDIUM (NOTE 7)

SEPARATION LAYER (NOTE 6)

WATERPROOF LINER (NOTE109)

DRAIN ROCK (NOTE 5)

NOTES:

1. PROVIDE PROTECTION FROM ALL VEHICLE TRAFFIC, EQUIPMENT STAGING, AND FOOT TRAFFIC IN PROPOSED INFILTRATION AREAS PRIOR TO, DURING, AND AFTER CONSTRUCTION.

2. DIMENSIONS:

A. WIDTH OF SWALE: 5 FT. - 12 FT.

B. DEPTH OF SWALE (FROM TOP OF GROWING MEDIUM TO OVERFLOW ELEVATION):

SIMPLIFIED 9"

ENGINEERED 6"-12"

C. LONGITUDINAL SLOPE OF SWALE: 6.0% OR LESS

D. FLAT BOTTOM WIDTH: 2 FT. MIN.

E. SIDE SLOPES OF SWALE: 3:1 MAXIMUM

3. LOCATION / SETBACK:

A. INFILTRATION VEGETATED SWALES MUST BE 10 FT. FROM FOUNDATION AND 5 FT. FROM PROPERTY LINES

4. OVERFLOW:

A. EMERGENCY OVERFLOW PATH SHALL BE IDENTIFIED ON THE STORMWATER MANAGEMENT PLAN

5. DRAIN ROCK:

A. SIZE: 1 1/2"-3/4" WASHED AGGREGATE

B. DEPTH: 0"-48"

6. SEPARATION BETWEEN DRAIN ROCK AND GROWING MEDIUM: SHALL BE A 3" LAYER OF 3/4"-1/4" OPEN GRADED AGGREGATE

7. GROWING MEDIUM:

A. DEPTH: 18" MINIMUM

B. SEE DESIGN STANDARDS FOR REQUIREMENTS

8. VEGETATION: SEE DESIGN STANDARDS FOR REQUIREMENTS

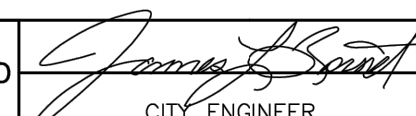
9. CHECK DAMS: SHALL BE PLACED ACCORDING TO FACILITY DESIGN. REFER TO STANDARD PLAN 220

10. ALONG STREETS: PROTECT SUBGRADE WITH WATERPROOF LINER (30 mil. PVC OR EQUAL) ALONG STREET EDGE TO BOTTOM OF SWALE. SEE STANDARD PLAN 233

11. PIPING: SEE STANDARD PLAN 221

CITY OF SALEM  
DEPARTMENT OF PUBLIC WORKS

STANDARD PLAN  
COMBINATION SWALE

APPROVED  CITY ENGINEER

DATE 11/01/14

DRAWN BY KAK 12/2013

CHECKED BY KR 12/2013

NO. 219

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345 WESTFIELD ST., #107  
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QC BY:

DRAWN BY:

PROJECT NAME:

MULTI-FAMILY DEVELOPMENT

PROJECT ADDRESS:

3021 & 3027 D STREET NE

SALEM OR, 97301

SHEET TITLE:

STORMWATER DETAILS

DATE: 01/21/2025

SHEET NUMBER: 5