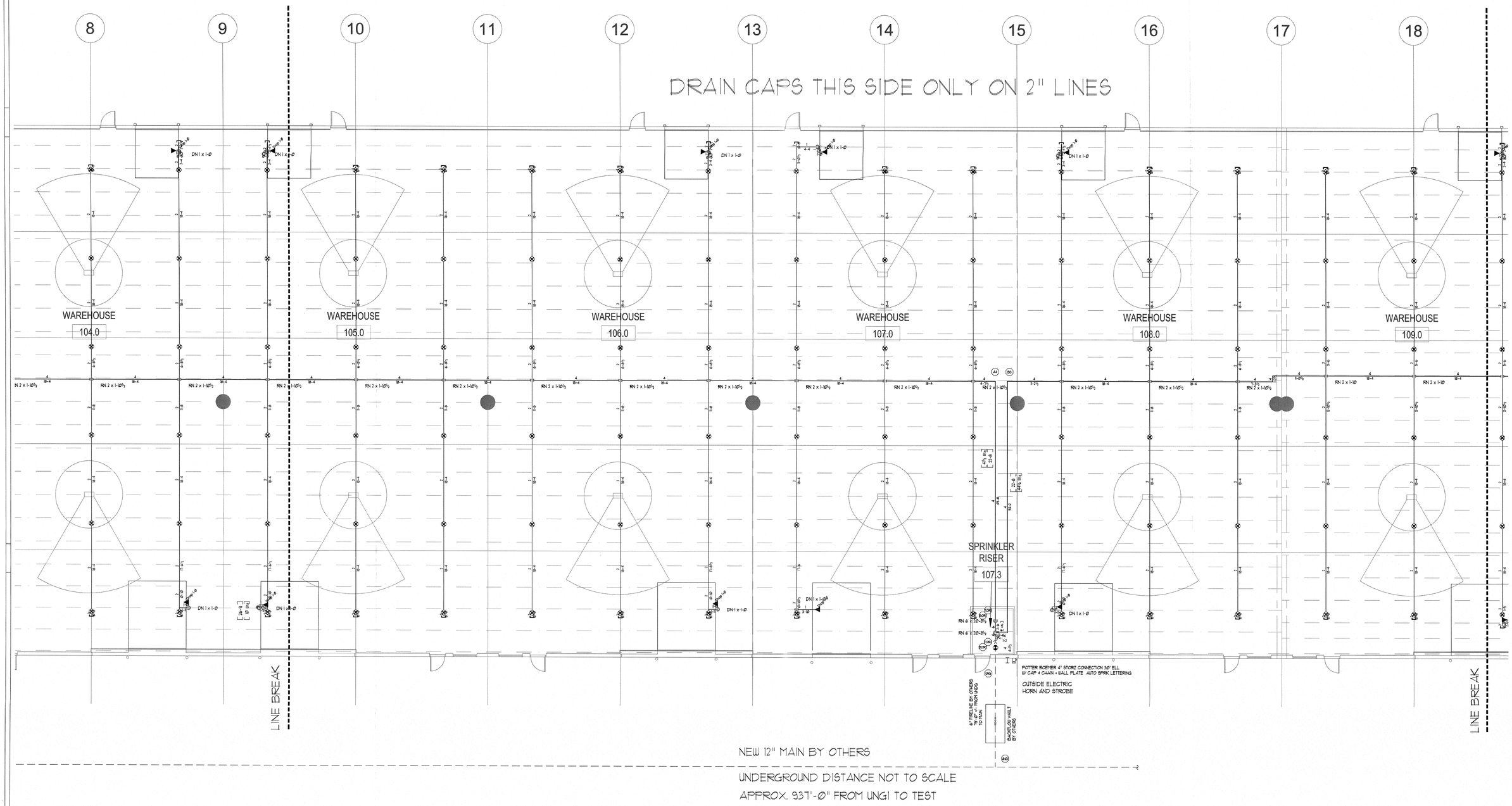

RELEASED FOR CONSTRUCTION
As Noted on Plan Review

Lee's Summit Fire Department
Lee's Summit, Missouri

05/03/2024

*SEE PAGE 1 FOR GENERAL NOTES

STATE OF MISSOURI — TOM R. HUTTON — E-10848 — REGISTERED PROFESSIONAL ENGINEER — 4/26/24

FIRE SPRINKLER CENTER

SCALE 1/8"=1'-0" SCALE 1/4"=1'-0"

LAKEWOOD BUSINESS CENTER
LOT 1
NE MAGUIRE BLVD.
LEE'S SUMMIT, MO 64064

REVIEWING AUTHORITY	LS FIRE DEPT.
HEADS THIS SHEET	92
TOTAL HEADS FOR JOB	260
SCALE	1/8" = 1'-0"
DRAWN BY	DANIAL LOGSTON
REVISION DATE	4-4-2024
DATE DRAWN	1-16-2024
CONTRACT NUMBER	J-2351
DRAWING NUMBER	3 OF 4

N

CONSTRUCTION:
INSULATED METAL DECK ROOF ON STEEL BEAMS & BAR JOIST @ ELEV. AS NOTED ON PLAN

PIPE TYPE:
SCREWED 2" AND SMALLER TO BE SCH. 40 PIPE. WELDED 2" AND LARGER TO BE SCH. 10 PIPE.

DESIGN CRITERIA:
PER NFPA #13, ORDINARY HAZARD GR II, .020 GPM/SQFT FOR 1500 SQFT, OPERATING
MAX 130 SQFT/HEAD SPACING + 250 GPM FOR HOSE ALLOWANCE.

FLOW TEST DATA:

STATIC :	105	PSI
RESIDUAL:	76	PSI
W/	2300	GPM

CONDUCTED BY LS WATER
ON 8-10-2023 @ 2:30AM
HYDRANTS #14-Ø11 AND #14-Ø13

DATE	REVISION
4-19-2024	SYSTEM NOW INCLUDES SPRS SAFETY

Symbols

Symbol	Description
○	Hydraulic Reference Points
℄=0'-0"	Elev. Below Top of Steel
EL=0'-0"	Elev. Above Finished Floor
+TOS 0'-0"	Elev. of Top of Steel
(8'-6")	Ceiling Height
	Denotes Hanger Location
o	Rise up or down

ALL PIPE CUTS ARE CENTER TO CENTER

Sprinkler Head Summary

Symbol	Count	NPT	Orif.	Make	Model	Finish	Style	Temp.	K=	SIN
⊗	84	3/4"	3/4"	RELIABLE	SR	BRASS	UPRIGHT GPR VELO ECOH	212°	14	R16553
◀	8	1/2"	1/2"	VIKING	QR	BRASS	HOR SIDEWALL	200°	5.6	VK305

NOTICE OF NONRESPONSIBILITY

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