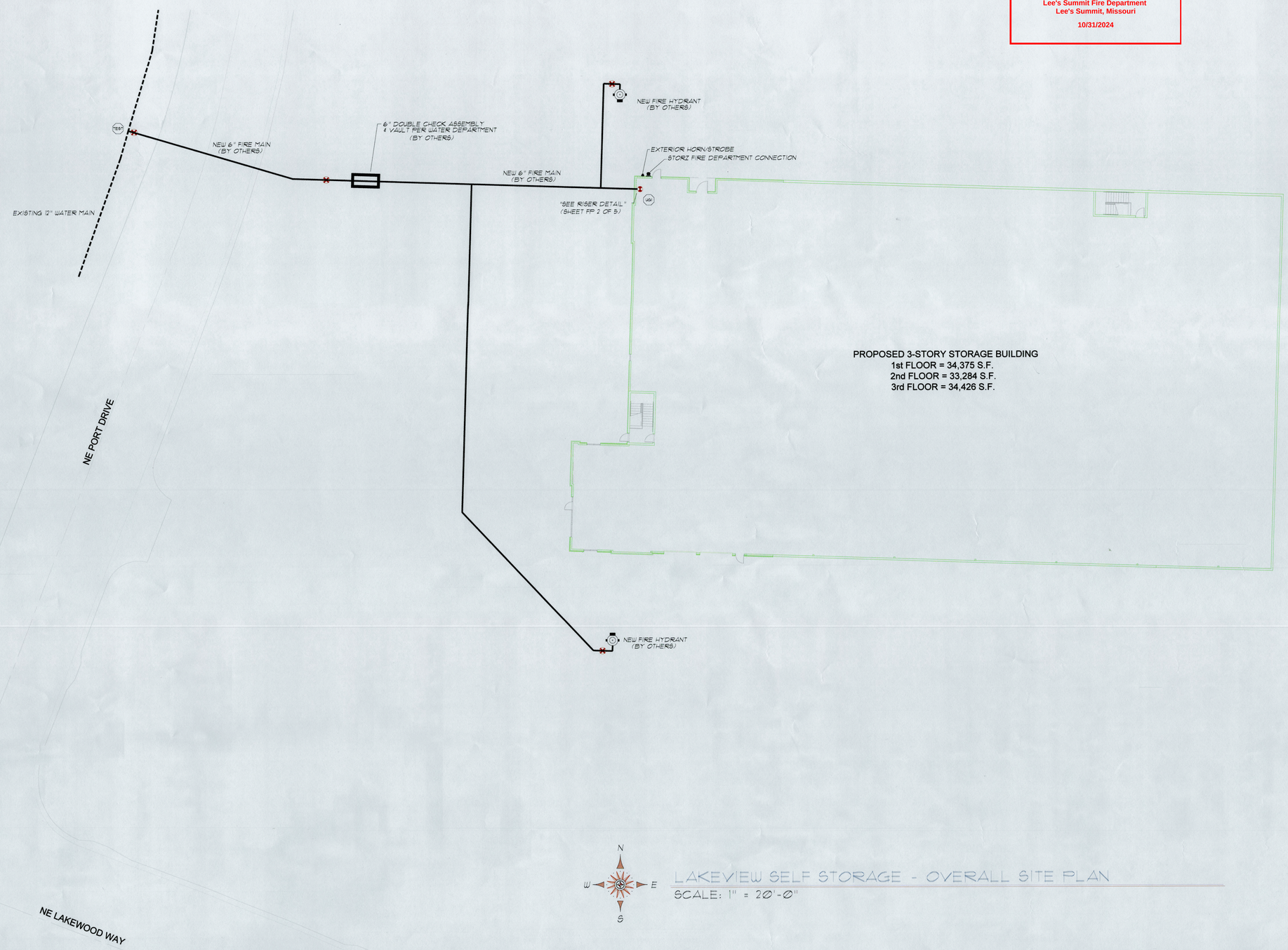
LAKEVIEW SELF STORAGE
4101 NE PORT DRIVE
LEE'S SUMMIT, MISSOURI

RELEASED FOR CONSTRUCTION
As Noted on Plan Review

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

10/31/2024



N
W E
S

LAKEVIEW SELF STORAGE - OVERALL SITE PLAN
SCALE: 1" = 20'-0"

FLOW TEST SUMMARY

STATIC PRESSURE:	92	psi
RESIDUAL PRESSURE:	64	psi
PITOT PRESSURE IF AVAILABLE:	N/A	psi
HYDRANT NOZZLE DIAMETER:	2 1/2	inch
HYDRANT NOZZLE BUTT COEFFICIENT:	.90	
WATER FLOW @ RESIDUAL PRESSURE:	2100	gpm
PROVIDED BY:	CITY OF LEES SUMMIT	
DATE: AUGUST 17, 2023	TIME:	10:20 am
(N/A = NOT AVAILABLE)		

STATE OF MISSOURI
TOM R. HAMPTON
E-17506
REGISTERED PROFESSIONAL ENGINEER
10/31/23

SUBMITTAL DRAWING

GENERAL NOTES

1. ALL ELECTRICAL WIRING BY OTHERS.
2. ALL UNDERGROUND PIPE INSTALLED BY OTHERS
3. FIRE SPRINKLER SYSTEM SHALL BE MONITORED IN AN APPROVED MANNER. MONITORING OF SYSTEM IS THE RESPONSIBILITY OF THE OWNER.
4. AFS FIRE IS TO PROVIDE ALL NECESSARY SIGNS FOR IDENTIFYING DEVICES & HYDRAULIC DATA.
5. OWNER TO MAINTAIN ADEQUATE HEAT WHERE WET SYSTEM PIPING IS INSTALLED.

FIRE PROTECTION MATERIALS

1. ALL COMPONENTS TO BE UL LISTED.
2. ALL HANGERS TO BE PER NFPA-13, 2013.
3. ALL PIPE 2" AND SMALLER WITH THREADED ENDS AND BLACK THREADED FITTINGS SHALL BE BLACK SCH. 40.
4. ALL PIPE 1¼" AND LARGER GROOVED ENDS AND LISTED GROOVED FITTINGS SHALL BE BLACK SCH. 10.
5. DROPS TO BE 1" BLACK SCH. 40 AND CUT ON THE JOB FIT FINISHED HARDLID CEILINGS WHERE APPLICABLE.
6. PROVIDE APPROVED FIRESTOPPING WHERE PIPE PENETRATES FIRE RATED FLOORS, WALLS & CEILINGS.

APPLICABLE CODE REQUIREMENTS

BUILDING USE - SELF STORAGE (GROUP S-1)
BUSINESS (GROUP B)

TYPE OF CONSTRUCTION - TYPE IIB

2018 INTERNATIONAL BUILDING CODE (IBC)
2018 INTERNATIONAL FIRE CODE (IFC)
NFPA 13 - 2016 EDITION
BUILDING IS FULLY SPRINKLERED

DESIGN CRITERIA

DESIGN CRITERIA NOTED INDIVIDUALLY
SEE INDIVIDUAL HYDRAULIC DEMAND BLOCKS

CALCULATION AREA * X

FILE NAME:	SHEET_1.HCALC
HCALC:	DESIGNAREA CLASSIFICATION
CONSTTYPEDEN AREA:	0.00 gpm / 0.00 sq.ft.
AREA PER SPRINKLER:	196.00 / PER. AREA
DENSITY:	0.00 GPM/SQ.FT.
SPACING:	0.00 ft. MAX SPRINKLER: 0.00 gpm
RESIDUAL PRESSURE:	0.00 psi
GPM PER SPRK:	0.00 gpm

SYMBOLS

"A-B-W" / "L-V-S"	CONTROL MEASUREMENT / PIPE ELEVATION HEIGHT
DWG. 1 / 2 - 27	CEILING HEIGHT ELEVATION
	PIPE RISE
	PIPE DROP
19	BRANCH LINE NUMBER
01	MAIN NUMBER
	COMMON CONNECTION
	2-WAY EARTHQUAKE BRACE
	4-WAY EARTHQUAKE BRACE
	PIPE HANGER
	CAP (THRD OR GRVD)
	SYSTEM RISER

ABBREVIATIONS

BOB	Bottom of Beam
BOD	Bottom of Deck
BOP	Bottom of Pipe
BTS	Below Top of Steel
FHV	Fire Hose Valve
N.I.C.	Nipple and Cap
N.S.	Not Specified
NTS	Not to Scale
OBJ	Open Bar Joist
PRV	Pressure Regd. Valve
RM	Roof Monitor
SP	Sprinkler
TOB	Top of Beam
TOP	Top of Pipe
TOS	Top of Steel
UON	Unless Otherwise Noted

IMPORTANT

IN LOCALITIES SUBJECT TO freezing conditions, THE OWNER MUST MAINTAIN ADEQUATE HEAT IN WET SPRINKLER SYSTEM AREAS, AND IN ENCLOSURES WHERE DRY PIPE DELUGE OR OTHER VALVES CONTROLLING WATER SUPPLIES TO SPRINKLER SYSTEMS ARE LOCATED.

THIS DRAWING, THE INFORMATION AND DESIGN APPLICATION HEREIN CONTAINED, IS THE PROPERTY OF PERFORMANCE FIRE SYSTEMS LLC AND IS LOANED UPON THE CONDITION THAT THE SAME WILL BE RETURNED TO PFS UPON REQUEST. INFORMATION CONTAINED HEREIN SHALL BE TREATED AS CONFIDENTIAL. REPRODUCTION OF THIS DRAWING OR ANY PART THEREOF, REQUIRES WRITTEN CONSENT FROM PERFORMANCE FIRE SYSTEMS LLC.

SPRINKLERS/NOZZLES

SYMBOL	COUNT	ORIENTATION	FINISH	TEMP.	K-FACTOR	NPT	ORIFICE	MANUFACTURER	MODEL #	ESCUTCHEON	SIN #

TOTAL QUANTITY OF SPRINKLERS ON SHEET:

SCALE: SEE PLAN
DRAWN BY: A.Aadahl
CHECKED BY:
CONTRACT NO: LS-01-23
DATE: 9/10/2023

DESIGN SUBMITTAL AND REVISION DATES
1 Submitted for Approval 9/10/2023
2
3

CONTRACTOR: STRICKLAND CONSTRUCTION
720 S ROGERS ROAD SUITE B
OLATHE, KANSAS 66062
CONTACT: TRACIE WILSON
VOICE: (913) 747-7214

PERFORMANCE FIRE SYSTEMS LLC
11425 WEST 59th STREET SOUTH
SAND SPRINGS, OK 74063
OKLAHOMA LICENSE #427092
Phone: (918) 630-7344
Fax: (539) 217-1167

CONTRACT:
LAKEVIEW SELF STORAGE
4101 NE PORT DRIVE
LEE'S SUMMIT, MISSOURI

SHEET DESCRIPTION:
HOUSEHOLD STORAGE

CONTRACT WITH:
STRICKLAND CONSTRUCTION

DRAWING NO.
FP - 1 of 5

W S N E

2022 PERFORMANCE FIRE SYSTEMS LLC
ALL RIGHTS RESERVED