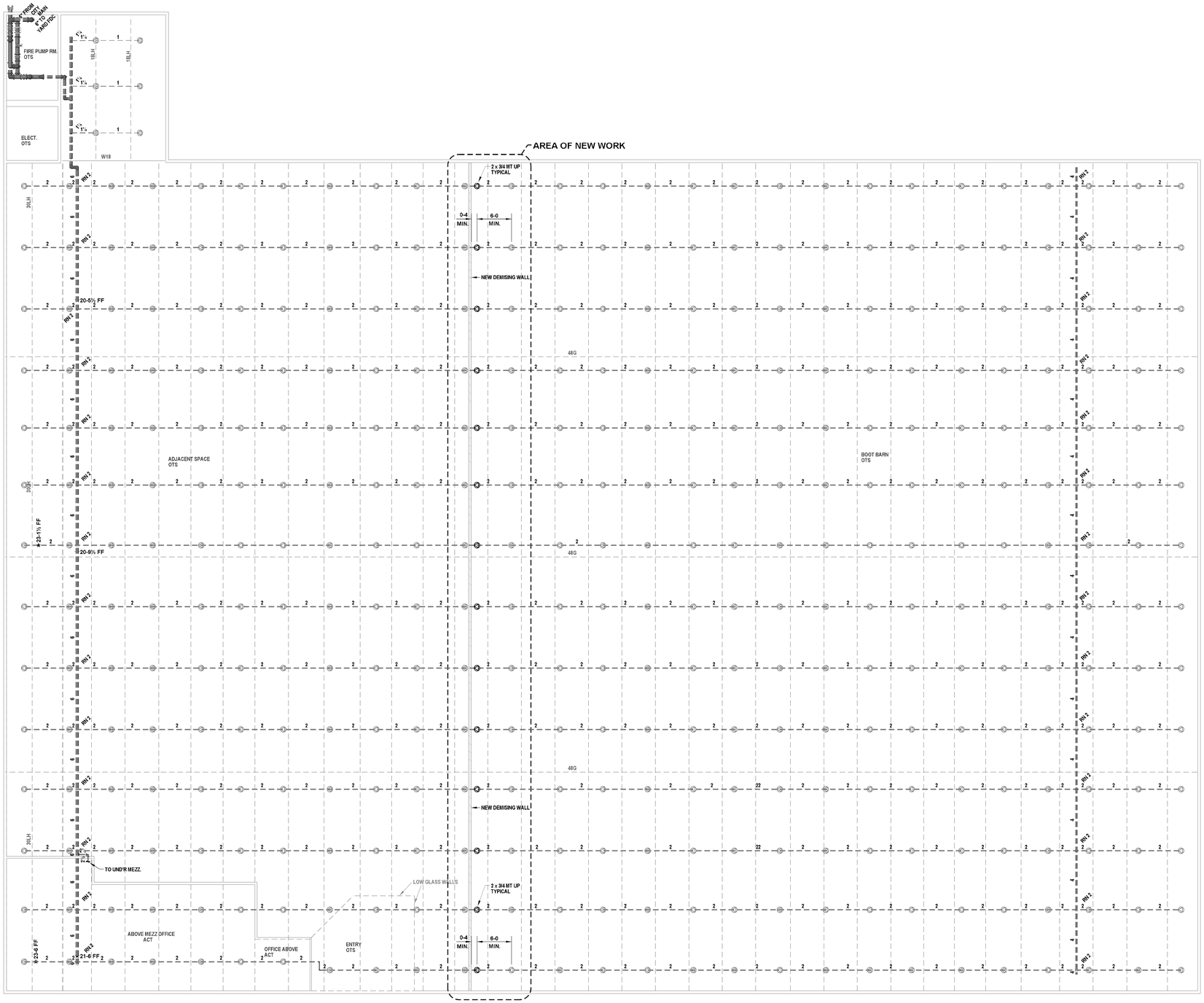


EXISTING FIRE SPRINKLER PLAN

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

-10 0 10 20 40

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

SCOPE OF WORK:

- ADD HEADS ALONG NEW DEMISING WALL.

CLARIFICATIONS:

- ALL AREAS PROTECTED BY A WET SYSTEM MUST BE MAINTAINED AT A MINIMUM OF 40°F (BY OTHERS) IN ORDER TO PREVENT THE PIPE FROM FREEZING.

EXCLUSIONS:

- RELOCATION OF EXISTING MAIN AND BRANCHLINE PIPING.
- HYDRAULIC CALCULATIONS
- INSTALLATION OF SPECIALTY SYSTEMS: DRY SYSTEM, KITCHEN HOOD, EXHAUST DUCT.
- CHANGE OUT OF EXISTING HEADS TO QUICK RESPONSE.
- CUTTING, PATCHING, AND PAINTING OF STRUCTURE.
- PAINTING, PREPARATION OR CLEANING OF PIPE.
- SHUTDOWN FEES, WSST, BONDS
- ANY AND ALL ELECTRICAL OR ALARM WORK.

GENERAL NOTES:

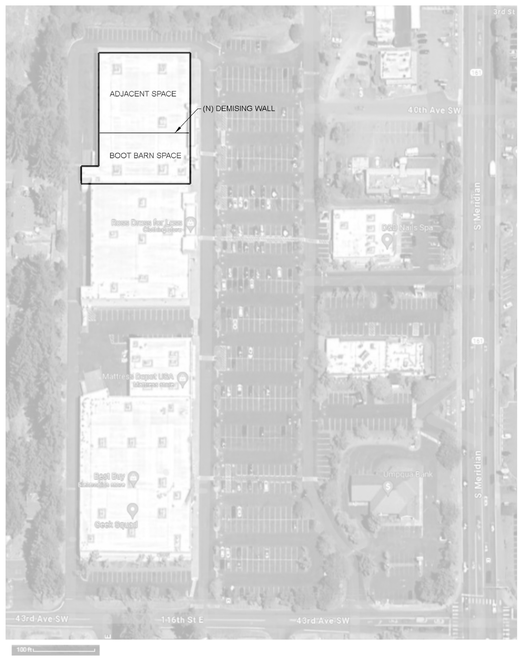
- ALL MATERIAL AND EQUIPMENT TO BE NEW AND UL AND/OR FM APPROVED.
- JOINING OF PIPE AND FITTINGS, THREADED AND WELDED, SHALL BE IN ACCORDANCE WITH NFPA #13.
- PIPE HANGER AND METHOD OF HANGING TO BE IN ACCORDANCE WITH NFPA #13.
- PIPING SHALL BE IN ACCORDANCE WITH NFPA #13.

DESIGN CRITERIA:

- DESIGN AND TESTING BASED ON NFPA 13 (2019) AND PUYALLUP CODES.
- EXISTING CRITERIA - HIGH PILED STORAGE, W/ HEAD SPACING OF 8' X 11'.
- NEW BOOT BARN CRITERIA - MERCHANTILE - OH2 - 0.2 / 1500 SQ. FT., 130 SQ. FT MAX. HEAD SPACING, W/ 15FT MAX. BETWEEN HEADS.
- NEW DESIGN CRITERIA IS EQUAL OR LESS THAN THAT OF THE EXISTING, THUS NEW HYDRAULIC CALCULATIONS ARE NOT PROVIDED.

BUILDING INFO:

- PARCEL # = 0419095021
- OWNER: WRI-URS SOUTH HILL LLC, C/O KIMCO REALTY CORPORATION PROPERTY TAX DEPT, 500 N BROADWAY STE 201, JERICHO, NY 11753



VICINITY / KEY PLAN

SCALE: 1" = 100'-0"

Expires DEC 31, 24
WASHINGTON STATE CERTIFICATE OF COMPETENCY FIRE SPRINKLER SYSTEMS
Theodore M. Queen
4930-0205-C Level 3
Archer Construction, Inc.
ARCHEI*216DR
Signature 10-21-24 Date

SPRINKLER LEGEND:

6 = EXISTING PIPE

REVISIONS

DATE	DESCRIPTION	BY
-	-	-

WATER SUPPLY

STATIC	40 PSI
RESIDUAL	38 PSI
GPM FLOWING	950 GPM
DATE & TIME	10/5/2010
TEST IS OLDER BUT	
HYDRAULICS HAVE NOT	
CHANGED PER TED	
HARDIMAN, FRUITLAND	
WATER 4/3/24	
LOCATION: PARKING LOT	
NOTES: FIRE PUMP	

HYDRAULIC DESIGN INFORMATION

AREA	HAZARD CLASSIFICATION	TYPE	DENSITY	AREA SIZE	COVERAGE PER SPRINKLER	HOSE	SYST. DEMAND @ BOR

HANGER ATTACHMENT

A	BEAM CLAMP
B	SIDE BEAM BRACKET
C	EYE SOCKET
D	NUT & PLATE WASHER
E	KWIK-BOLT
F	HDI-P
G	SAMMY SIDEWINDER
H	SAMMY SUPERSCREW
J	COACH SCREW ROD
K	CEILING FLANGE
T	TRAPEZE

ABBREVIATIONS

CL	CENTERLINE OF PIPE
CTS	CUT TO SUIT
FO	FIELD OPIDER
IFOW	INSIDE FACE OF WALL
OFOW	OUTSIDE FACE OF WALL
NAS	NO AUTO. SPRINKLERS
UNO	UNLESS NOTED OTHERWISE
COJ	CUT ON JOB

SYMBOLS

★ FF	(CL) ABOVE FINISHED FLOOR
★ BB	(CL) BOTTOM OF BEAM
★ TB	(CL) TOP OF BEAM
★ TS	(CL) TOP OF STEEL / BOTTOM OF DECK
	RIGID COUPLING
	FLEXIBLE COUPLING

SPRINKLER SYMBOLS

SYM	MAKE	MODEL	SIN#	TYPE	FINISH	K-FAC.	THREAD	TEMP	CANOPY	QTY
Ⓥ	RELIABLE	GXLO	R2921	SR SSU	BRASS	11.2	3/4"	286°	N/A	14
										-
Ⓥ	EXISTING		TO REMAIN	SR SSU	BRASS	11.2	3/4"	286°	N/A	
									TOTAL PROJECT SPRINKLERS =	14

ARCHER
WSCL#: ARCHEI*219DR
FIRE SPRINKLER DIVISION
7855 S 206TH STREET, KENT, WA 98032
PHONE 253-872-7222 FAX 253-872-7277

PROJECT: Boot Barn Demising Wall
4102 S. Meridian, Ste D
Puyallup, WA 98373

CONTRACT W/: Powell Ryka
CONTACT: Ryan Brehm
PHONE: (425) 828-4774

FIRE SPRINKLER PIPING PLAN

PERMIT NO:	-
JOB NO:	R24-053
AUTHORITY:	PUYALLUP
DESIGNER:	Queen
SCALE:	As Noted
DATE:	10/21/24
REVISED:	/ /
PLOTTED:	/ /

FP 1 OF 1