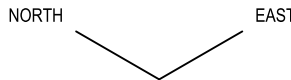
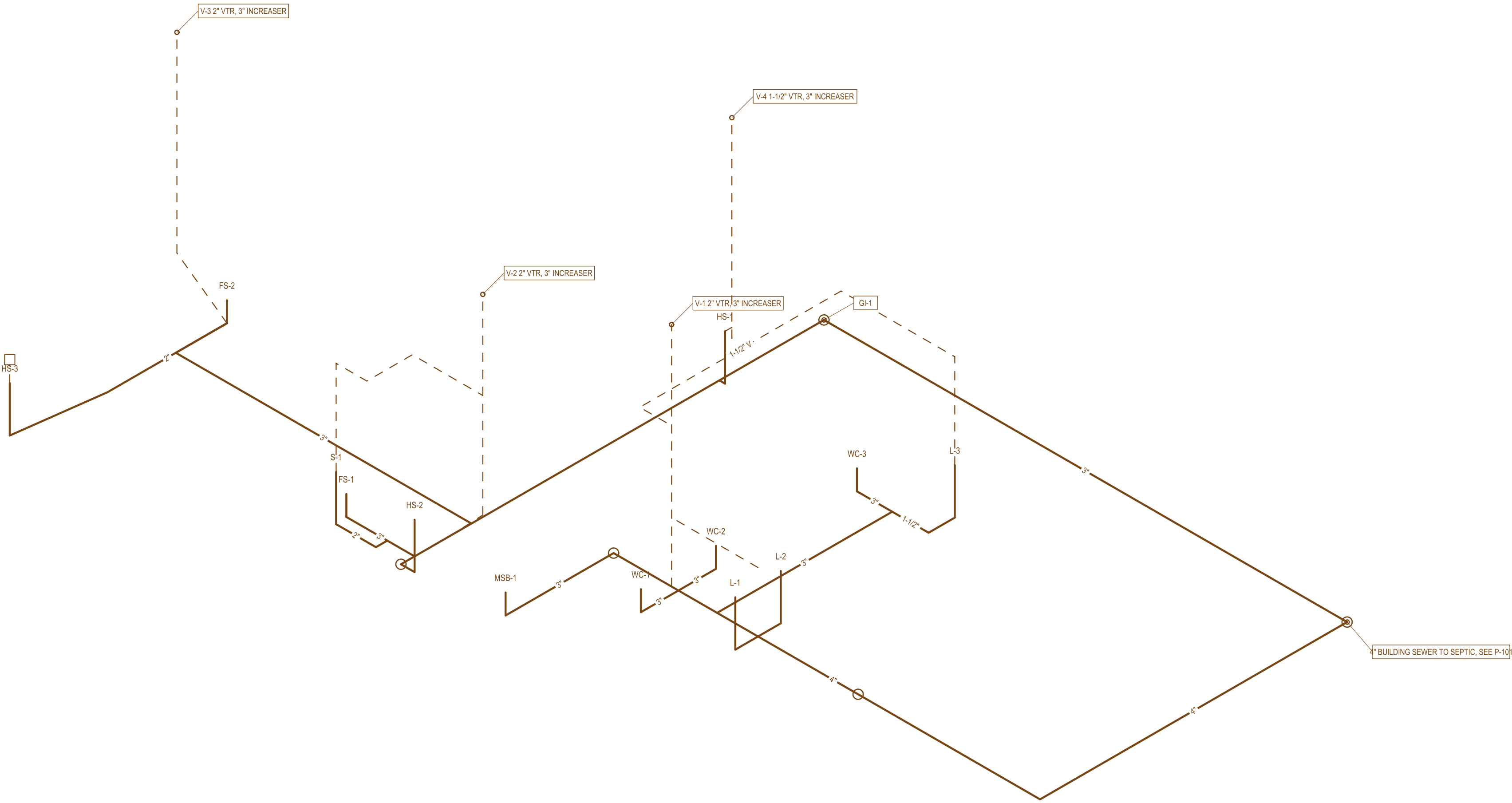


1 SANITARY AND VENT RISER DIAGRAM

NOT TO SCALE (ISOMETRIC FROM THE PLAN ROUTES)



FIXTURE UNIT BASIS (UPC TABLES 702.1 AND 610.3, ASSEMBLY)

FIXTURE	QTY	DFU EA	WSFU EA TOTAL / HW	MIN TRAP
WC 1.6 GPF TANK	3	8.0	3.5 / -	3"
LAVATORY	3	1.0	1.0 / 0.75	1-1/4"
BOTTLE FILLER	1	1.0	0.75 / -	1-1/4"
MOP BASIN	1	3.0	3.0 / 2.25	3"
HAND SINK HS-1, 2	2	1.0	1.0 / 0.75	1-1/4"
BAR SINK HS-3	1	2.0	2.0 / 1.5	1-1/2"
3-COMP SINK	1	3.0	3.0 / 2.25 *	1-1/2" (2" DR)
FLOOR SINK FS-1	1	2.0	-	2"
FS-2 (IM-1 ONLY)	1	1.0	0.5 / - *	2"
HOSE BIB	2	-	2.5 + 1.0	-
UPC TOTAL		35.0	28.25 / 9.75	* BY NOTE 2 OF 610.3

TOTALS FROM DESIGN.XLSX PIPE SIZING

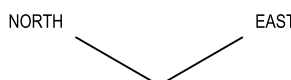
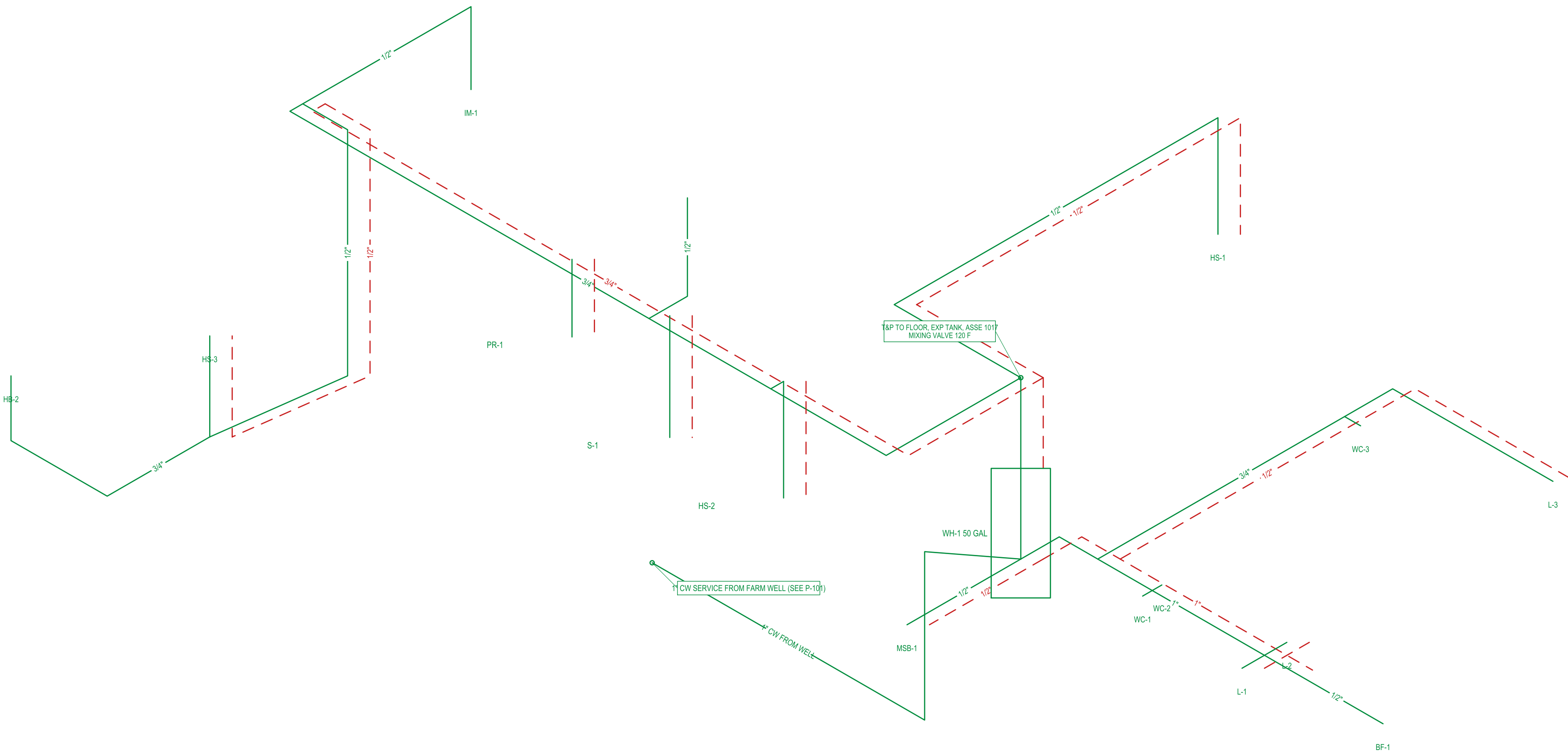
SYSTEM	LOAD	PIPELINE	DRAWN
DOMESTIC WATER MAIN	28.25 WSFU UPC (TOOL 31.95)	1"	1"
BUILDING DRAIN (TOILETS)	25 DFU, 3 WC (UPC)	3"	4" (NOTE 2)
BUILDING SEWER	35 DFU (UPC)	3"	4" (NOTE 2)
STAGING COLLECTOR	10 DFU (UPC), VIA GI-1	2-1/2"	3"
LP GAS HEADER	150 MBH / 60 CFH LP	1-1/4" (NG)	3/4" (LP)

RISER NOTES

1. RISERS ARE DRAWN FROM THE SAME 3D ROUTES AS P-101. VERTICAL SCALE COMPRESSED FOR CLARITY.
2. TOILET-SIDE BUILDING DRAIN IS 4 IN: IT CARRIES 25 DFU AND 3 WCS, AND 3 WCS IS THE UPC TABLE 703.2 LIMIT ON A 3 IN HORIZONTAL DRAIN. STAGING DRAINS SEPARATELY THROUGH GI-1 (10 DFU, 3 IN). BUILDING SEWER 4 IN CARRIES THE 35 DFU TOTAL (SEPTIC INLET AND CLEANOUT PRACTICE).
3. WATER CLOSET BRANCHES 3 IN MINIMUM (UPC TABLE 702.1). THE PIPELINE PRINTED 2 IN FOR THE TOILET ROOM BRANCHES; CORRECTED HERE AND LOGGED AS A TOOL GAP.
4. VENT STACKS 2 IN, INCREASE TO 3 IN AT LEAST 12 IN BELOW THE ROOF FOR FROST CLOSURE (COLD CLIMATE).
5. TEST DWV 10 FT WATER HEAD 15 MIN; WATER 100 PSI OR 1.5 x WORKING 15 MIN; GAS 3 PSI AIR 10 MIN MIN (OR PER AHJ).
6. DISINFECT THE POTABLE SYSTEM PER UPC 609.9 BEFORE USE. WELL SAMPLE (COUFORM, NITRATE) BEFORE OPENING.
7. S-1 CONNECTS DIRECT PER UPC 704.3, ON THE SEWER SIDE OF THE ADJACENT FS-1 TRAP (P-101 NOTE 6). CONFIRM WITH COUNTY ENVIRONMENTAL HEALTH; A FOOD-CODE AIR GAP ON S-1 WOULD CONFLICT WITH UPC 704.3.

2 DOMESTIC WATER RISER DIAGRAM

NOT TO SCALE (ISOMETRIC FROM THE PLAN ROUTES)



SUTTON MECHANICAL & ENVIRONMENTAL
PROJECT NO: 2026-12
PROJECT: FARMWILD ORANGERY
CLIENT: FARMWILD



PLUMBING RISER DIAGRAMS

DRAWN BY: MS
DATE: 2026-09-30

P-501
REV: A