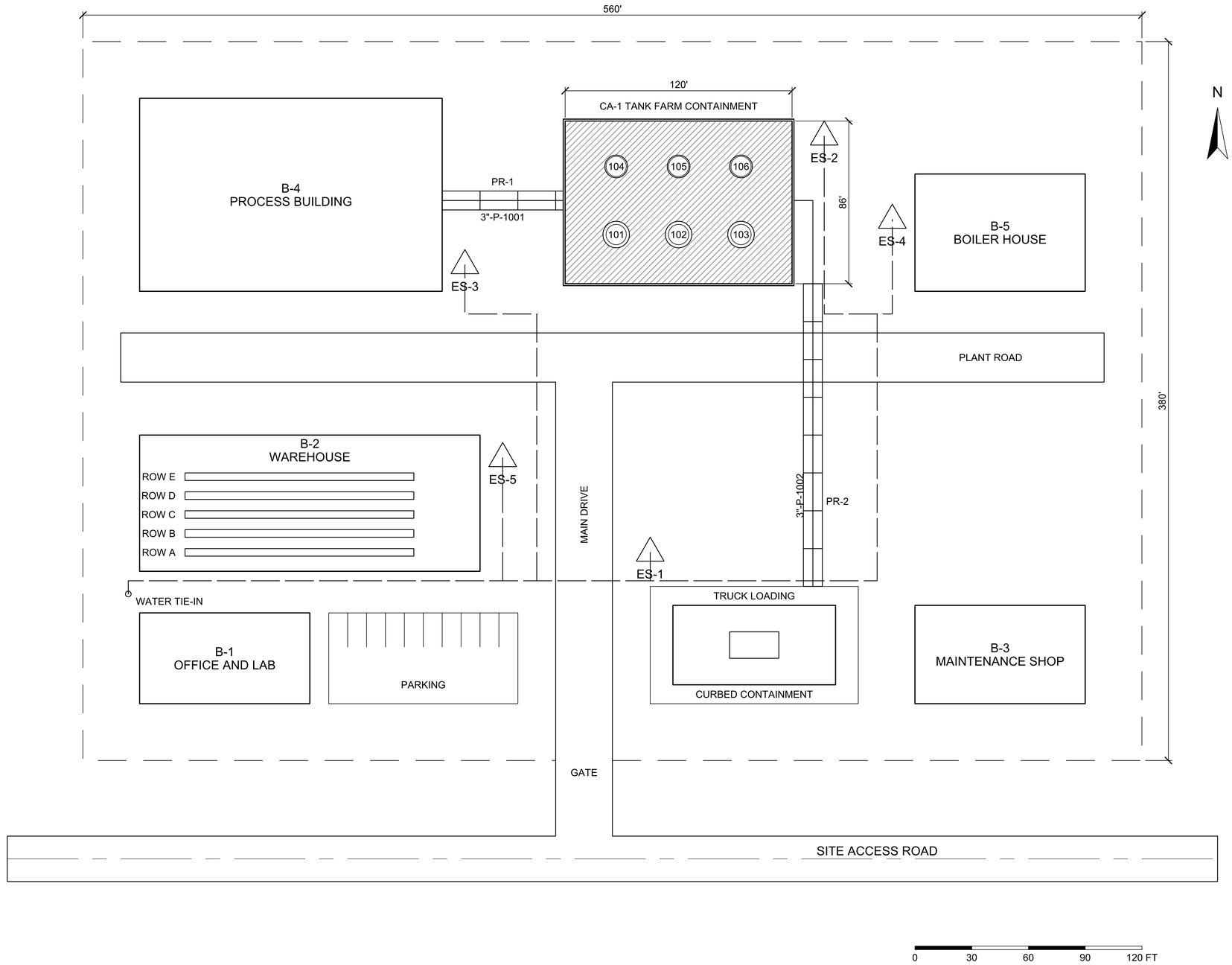


GENERAL NOTES
1. SAMPLE DRAWING OF A FICTIONAL SITE, PREPARED BY ARPE ENGINEERING TO SHOW ITS DRAFTING STANDARD. NOT A REAL FACILITY.
2. PLANNING DRAWING ONLY. NOT A BOUNDARY, TOPOGRAPHIC OR CONSTRUCTION SURVEY.
3. COORDINATES IN FEET FROM THE SOUTHWEST FENCE CORNER (0,0). BUILDING OUTLINES ARE ROOF LINES.
4. TANK SIZES, CAPACITIES, RAINFALL AND CONTAINMENT VALUES ARE FOR ILLUSTRATION ONLY.
5. LAYERS ARE NAMED BY DISCIPLINE.

LEGEND

- FENCE
- SECONDARY CONTAINMENT WALL OR CURB
- PROCESS LINE
- WATER SUPPLY TO SAFETY SHOWERS
- PIPE RACK OR STORAGE RACK
- ROAD CENTERLINE
- EMERGENCY SHOWER AND EYEWASH STATION
- (#) TANK TAG (TK-#)

TANK SCHEDULE (SAMPLE VALUES)

TAG	SERVICE	DIA x HT	NOMINAL GAL
TK-101	RAW MATERIAL A	14' x 20'	23,000
TK-102	RAW MATERIAL B	14' x 20'	23,000
TK-103	PRODUCT	14' x 20'	23,000
TK-104	CAUSTIC 50%	12' x 16'	13,500
TK-105	PROCESS WATER	12' x 16'	13,500
TK-106	WASTE	12' x 16'	13,500

CA-1 CONTAINMENT CAPACITY CHECK (SAMPLE)

ITEM	VOLUME	GALLONS
DIKE INSIDE AREA	10,320 SQ FT	
WALL HEIGHT	2.0 FT	
GROSS VOLUME	20,640 CU FT	154,400
LESS OTHER TANKS BELOW WALL	1,294 CU FT	9,700
NET CAPACITY	19,346 CU FT	144,700
LARGEST TANK (TK-101)	3,079 CU FT	23,000
RAIN, 9 IN (25-YR, 24-HR, SAMPLE)	7,740 CU FT	57,900
REQUIRED (LARGEST TANK PLUS RAIN)	10,819 CU FT	80,900
RESULT	NET / REQUIRED = 1.79	ADEQUATE

ENGINEER'S SEAL

NOT SEALED. SAMPLE DRAWING.

REV	DATE	DESCRIPTION	BY
A	10/27/2026	ISSUED AS SAMPLE	ARPE
B	10/30/2026	GENERAL NOTE 5 REVISED	ARPE

ARPE Engineering, TBPELS F-22694

SAMPLE PLANT (FICTIONAL SITE)

OVERALL SITE PLAN

SMP-C-101		B	CHKD: SAMPLE
SCALE: 1" = 30'-0"	DATE: 10/30/2026	DRAWN: ARPE	SAMPLE, FICTIONAL SITE