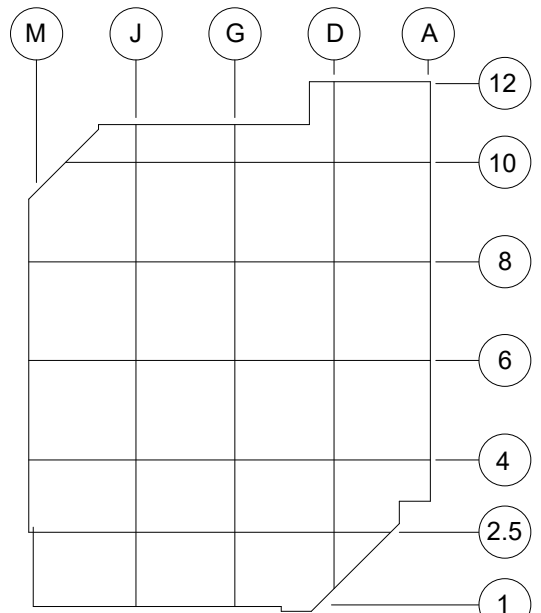


PROJECT LOCATION

6701 EVANSTAD DR N
MAPLE GROVE, MN 55369

SHEET NOTES

1. CONNECT FOR VENTING DURING SOLVENT WASTE TRANSFER OUT OF TANK.
2. DRYLINK STYLE SPLIT VALVE FOR SOLVENT WASTE TRANSFER OUT OF TANK.
3. HOSE CONNECTION FOR CONNECTING TANK OUTLET LINE TO WIP RETURN PUMP FOR WIP.
4. DRUM TO BE GROUNDED DURING SOLVENT WASTE DISCHARGE.
5. ROUTE TO SAFE LOCATION 6" ABOVE FINISHED FLOOR.
6. ON LOW PRESSURE IN TANK HEADSPACE, STOP ALL MOTORS/AGITATORS AND PLACE VALVES ON INLET AND OUTLET OF TANK IN FAIL STATE.
7. DRAIN TO PORTABLE SOLVENT WASTE CAN.
8. N/A
9. SAFETY STOP ALL MOTORS/AGITATORS AND PLACE VALVES IN FAIL STATE.
10. N/A
11. BALL VALVE TO HAVE LOCKABLE HANDLE.
12. PORTABLE PUMP TO BE CONNECTED FOR WIP PROCESS ONLY.
13. ALL SOLVENT PIPING MUST HAVE HIGH PRESSURE TRI-CLAMPS
14. V-BALL CONTROL VALVE ON SOLVENT LINE TO BE FIRE-SAFE WITH FUSIBLE PLUG IN ACTUATOR.
15. FIRE-SAFE BALL VALVE WITH FUSIBLE LINK RATED FOR 165 DEG F AND SPRING CLOSED
16. HDPE TUBING 1" ID, 151 PSI WORKING PRESSURE BY OWNER
17. SUPPORT SYSTEM FOR DISPOSABLE TUBING TO BE INSTALLED USING DTR (DEFINED TUBING ROUTING) EXTRUDED PLASTIC SUPPORTS, MOUNTING CLIPS, END CAPS, ETC. - DTR CONFIGURATION PROVIDED BY OWNER
18. VALVE WILL CONTROL FOR BLANKETING AND PRODUCT TRANSFER. VALVE WILL CONTROL TO 1-2 PSIG FOR BLANKETING WITH THE BACK PRESSURE VENT ACTIVELY OPEN. VALVE WILL CONTROL TO 1-10 PSIG WITH THE VENT LINE INACTIVE FOR TRANSFER OF FLUIDS TO PROCESS. DURING PRODUCT TRANSFER, THE PRESSURE CONTROL SETPOINT WILL CHANGE BASED ON THE RATE OF VOLUMETRIC CHANGE PER THE TANK LEVEL TRANSMITTER. THE VALVE SHOULD START LOW AND AIM TO REACH OWNER PROGRAMMABLE SET POINT OF THE VOLUMETRIC FLOW RATE BASED ON THIS LEVEL DIFFERENTIAL.
19. SPOOL PIECE TO PROVIDE 6" OF CLEARANCE FOR RUPTURE DISK INSTALLATION.



KEYPLAN

CLIENT

UPsher-SMITH

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CONSULTING ENGINEER

HORWITZ

7400 49th AVENUE NORTH
NEW HOPE, MN 55428
(763) 533-1900
www.horwitzinc.com

PROJECT TITLE

PROJECT KEYSTONE - PHASE 1

REV	BY	DATE	DESCRIPTION
1		03/17/23	AS RECORDED

LICENSEE

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Date 03/17/23 LIC NO

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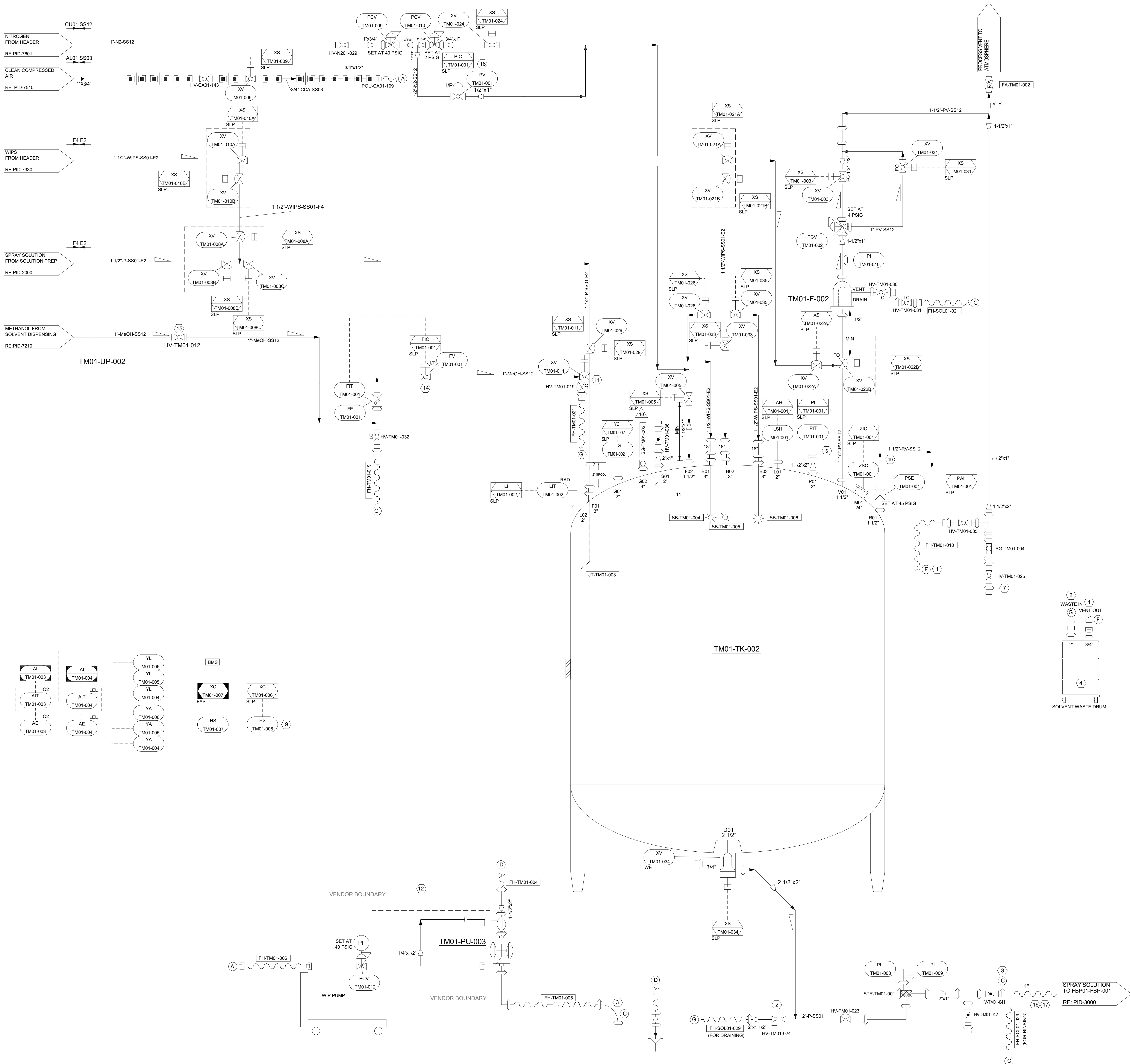
PROJ. NO.	2022.1720	DESIGNED BY:	Designer
SCALE:	1/2" = 1'-0"	CHECKED BY:	Checker
SHEET SIZE:	30x42	APPROVED BY:	Approver

DRAWING TITLE

SOLUTION HOLD TANK ROOM 3105

DRAWING NUMBER

PID-2005



TM01-TK-002
SOLUTION HOLD TANK
CAPACITY: 450 GAL
MOC: 316L SS

TM01-F-002
VENT FILTER
TYPE: SINGLE
ELEMENT: 0.2 MICRON
MOC: 316L SS

TM01-UP-003
UTILITY PANEL

TM01-PU-003
WASH-IN-PLACE PUMP
DESIGN CAPACITY: 30 GPM
DESIGN PRESSURE: 10 PSIG
MOC: 316L PTFE