

**CONDITIONALLY  
APPROVED  
DEPT OF SAFETY AND  
PROFESSIONAL SERVICES  
DIVISION OF INDUSTRY SERVICES**

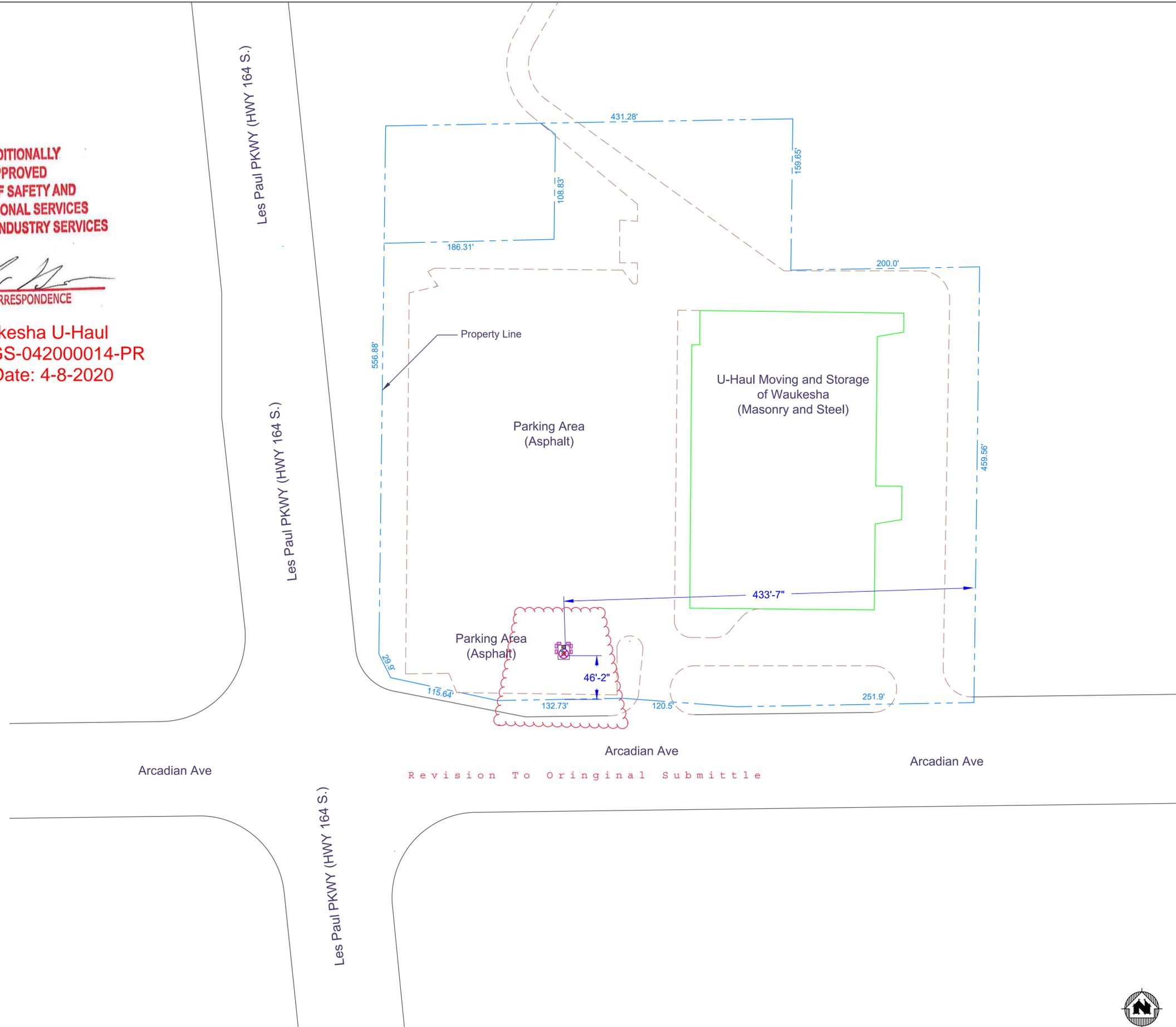
*Chris Klein*  
SEE CORRESPONDENCE

Project: Waukesha U-Haul  
Permit No.: GS-042000014-PR  
Pages: 1-3; Date: 4-8-2020

Tank Owner:  
U-Haul  
4716 Verona Rd.  
Madison, WI 53711

Tank Location:  
U-Haul Moving & Storage  
of Les Paul PKWY  
925 HWY 164 S  
Waukesha, WI 53186

Tank Installer:  
Ferrell North America  
7500 College Blvd Suite 1000  
Overland Park, KS 66210



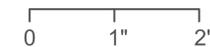
Revision To Original Submittle

Legend for Linetypes

- Property Line
- Roadway
- Building
- Existing Fencing
- Pavement
- Crash Protection
- Liquid Line
- Vapor Line
- Bypass Line
- Propane Tank
- Fire Extinguisher
- ESV Remote Loc.



TITLE: Site Installation



SCALE:  
1" = 50'

DRAWN BY: Neil Block	DATE: 02/05/2020	SHT. NO. 1 OF 3	Cust. P.O. NO. 28342
APPD BY: Dick Klein	DATE: 02/05/2020		

Revisions to original Submittle

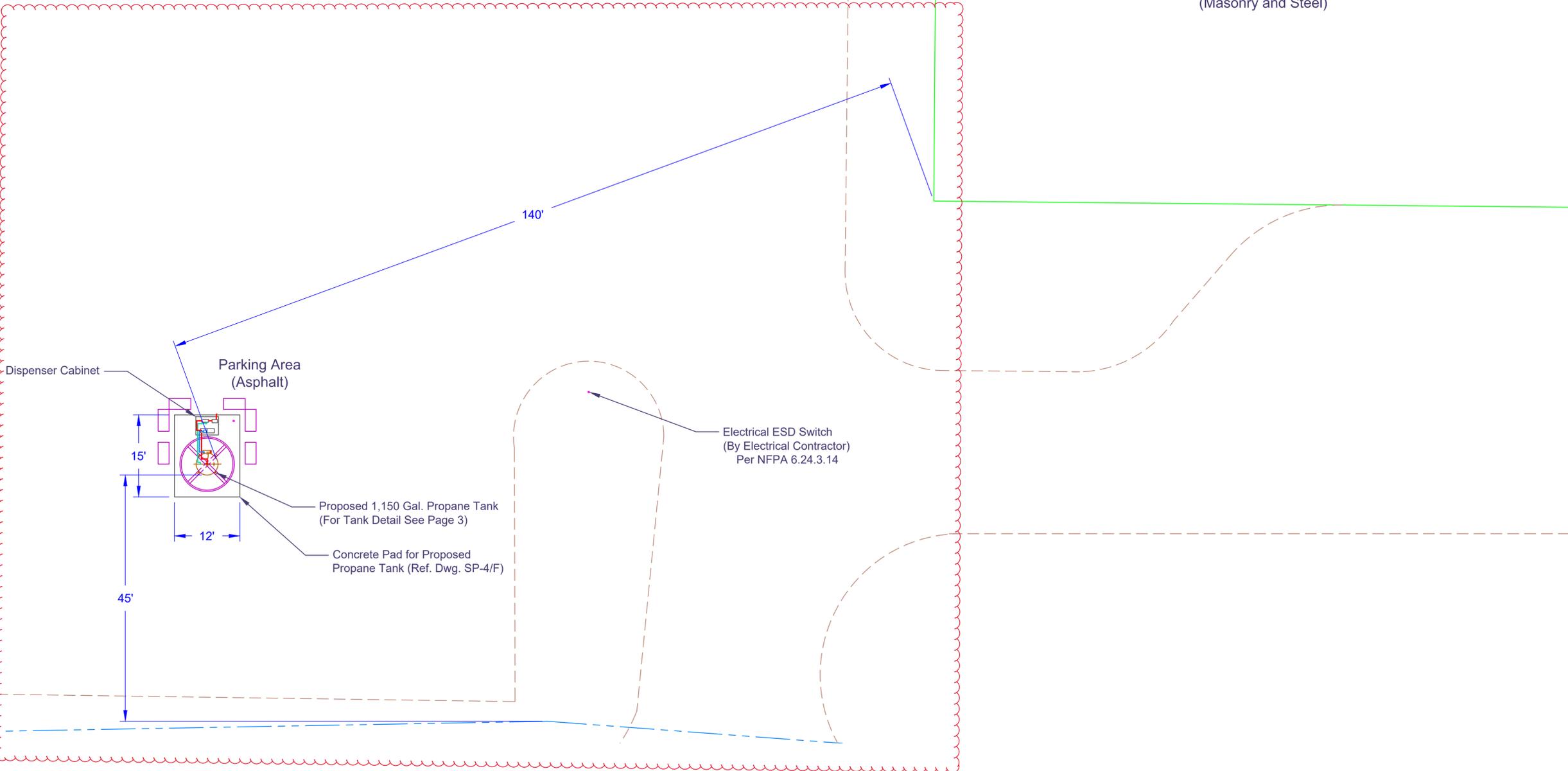
Parking Area  
(Asphalt)

U-Haul Moving and Storage  
of Les Paul PKWY  
(Masonry and Steel)

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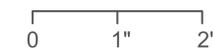


Legend for Linetypes

- Property Line
- Roadway
- Building
- Existing Fencing
- Pavement
- Crash Protection
- Liquid Line
- Vapor Line
- Bypass Line
- Propane Tank
- Fire Extinguisher
- ESV Remote Loc.



TITLE: Site Installation



SCALE: 1" = 10'	DRAWN BY: Neil Block	DATE: 02/05/2020	SHT. NO. 2 OF 3	Cust. P.O. NO. 28342
	APPD BY: Dick Klein	DATE: 02/05/2020		

Tank Owner:  
U-Haul  
4716 Verona Rd.  
Madison, WI 53711

Tank Location:  
U-Haul Moving & Storage  
of Les Paul PKWY  
925 HWY 164 S  
Waukesha, WI 53186

Tank Installer:  
Ferrell North America  
7500 College Blvd Suite 1000  
Overland Park, KS 66210

Tank Specifications:  
Tank #1  
Tank Manufacturer: Manchester Tank  
Year built: TBD  
Manufacturer serial #TBD  
National Board #TBD  
Surface Area: 166.5 SQFT      CFM's: 3556.18

Relief valve calculations for proposed 1,150 gallon storage tank:  
Surface Area = 166.5 Sq Ft , CFM Cap. = 3556.18 (NFPA - 58 Annex E)  
(1) Rego 8685G relief valve manifold is capable of 4035 SCFM discharge.

Valve & Pump Specifications:  
#1- Rego : #8685G 1-1/4" Tank Relief Valve;250 psi; 4,035 CFM  
#2- Rego: 1-1/4" Internal Valve with Manual ESV  
#3- Rego: #A3272G 3/4" Excess Flow Valve, Rego #A7506AP 3/4" Globe Valve  
#4- Rego: #L7579 1-1/4" Double Check Filler Valve with 1-3/4" Acme Hose Connection  
#5- Rego: #7573DC 3/4" Double Check Equalizing Valve, Rego #A3272G 3/4" Excess Flow Valve, Rego #A7506AP 3/4" Globe Valve  
#6- Bergquist Dispenser #D2A, Corken DL16 Pump, 3 HP XP Motor, Red Seal 4D-MD Meter Corken B166-1CAU 1" FPT Bypass Valve.

Installation Notes:  
1. All piping joints will be threaded and pipe material will be Schedule 80 A53 grade B or better.  
2. Fire extinguisher to have a minimum capacity of 18# with a B-C rating.  
3. Hydrostatic relief valves to be installed in each section of pipe and hose where liquid can be isolated between valves to relieve pressure.  
4. All fittings and valves to conform withNFPA-58 2011or better.  
5. Piping to be supported with steel supports at no more than 6' spacing.  
6. Positive shutoff valves to be provided with locking devices.  
7. Concrete pad for tank & dispenser to be installed per NFPA-58 2011 (5.2.4.3)

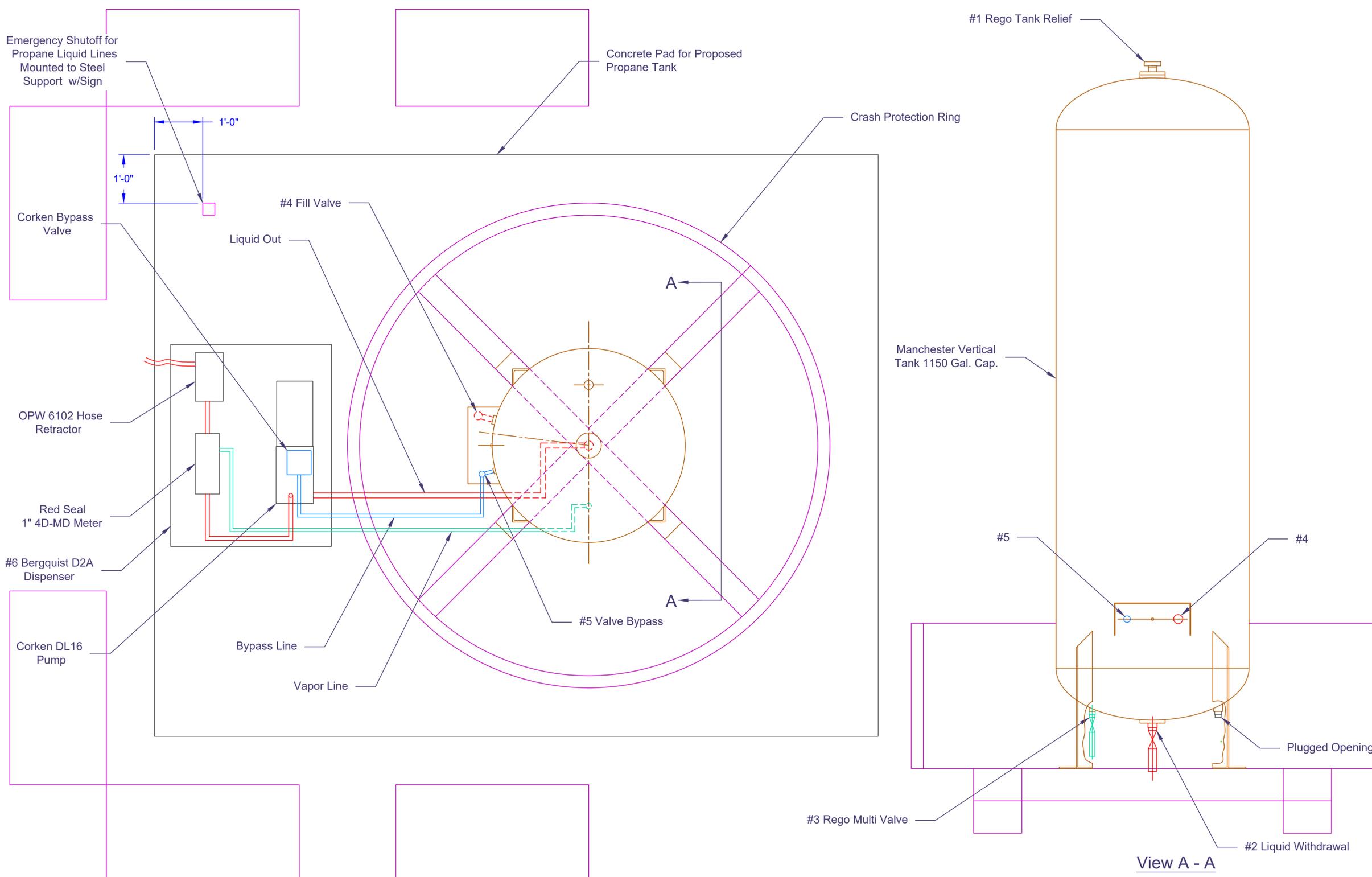
Legend for Linetypes

--- Property Line	— Liquid Line
— Roadway	— Vapor Line
— Building	— Bypass Line
— Existing Fencing	— Propane Tank
— Pavement	— Fire Extinguisher
— Crash Protection	— ESV Remote Loc.



TITLE: Site Installation

SCALE: 1" = 1'	DRAWN BY: Neil Block	DATE: 02/05/2020	SHT. NO. 3 OF 3	Cust. P.O. NO. 28342
	APPD BY: Dick Klein	DATE: 02/05/2020		



#1 Rego Tank Relief

Manchester Vertical Tank 1150 Gal. Cap.

#5

#4

#3 Rego Multi Valve

#2 Liquid Withdrawal

Plugged Opening

View A - A

Emergency Shutoff for Propane Liquid Lines Mounted to Steel Support w/Sign

Concrete Pad for Proposed Propane Tank

Crash Protection Ring

#4 Fill Valve

Liquid Out

A

A

#5 Valve Bypass

Bypass Line

Vapor Line

OPW 6102 Hose Retractor

Red Seal 1" 4D-MD Meter

#6 Bergquist D2A Dispenser

Corken DL16 Pump

Corken Bypass Valve

1'-0"

1'-0"