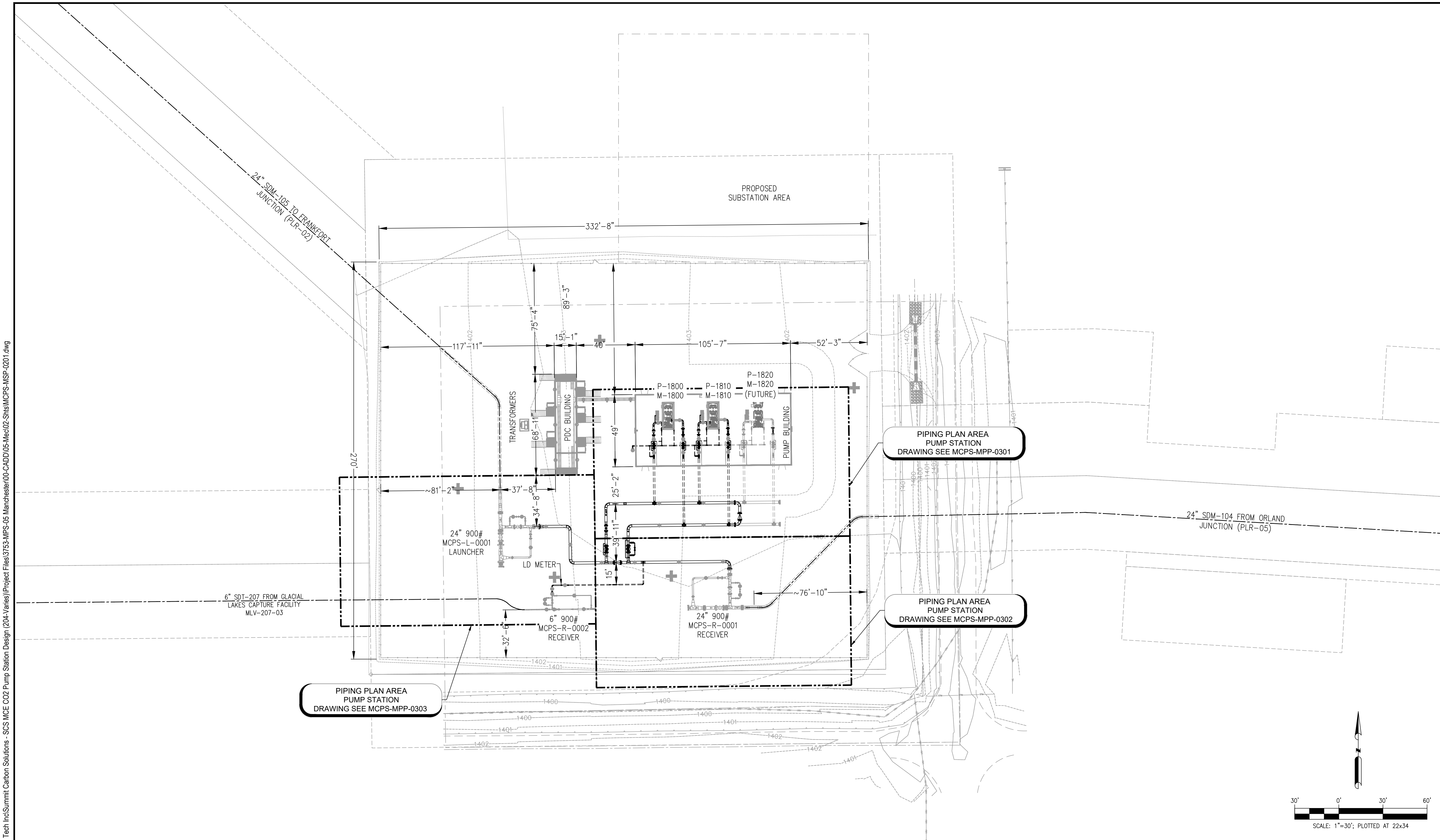


Appendix 3 - Typical Aboveground Facility Layouts

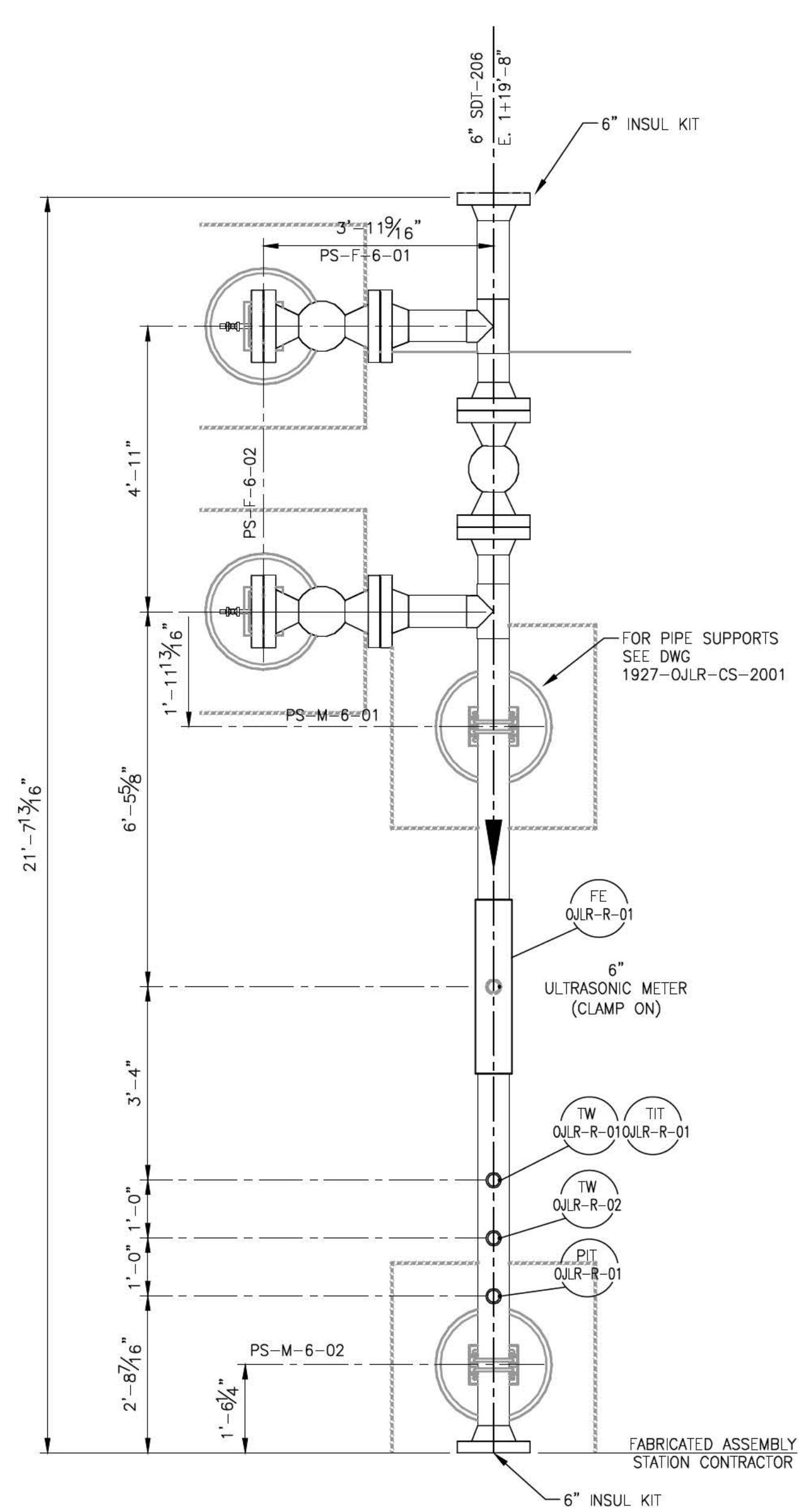
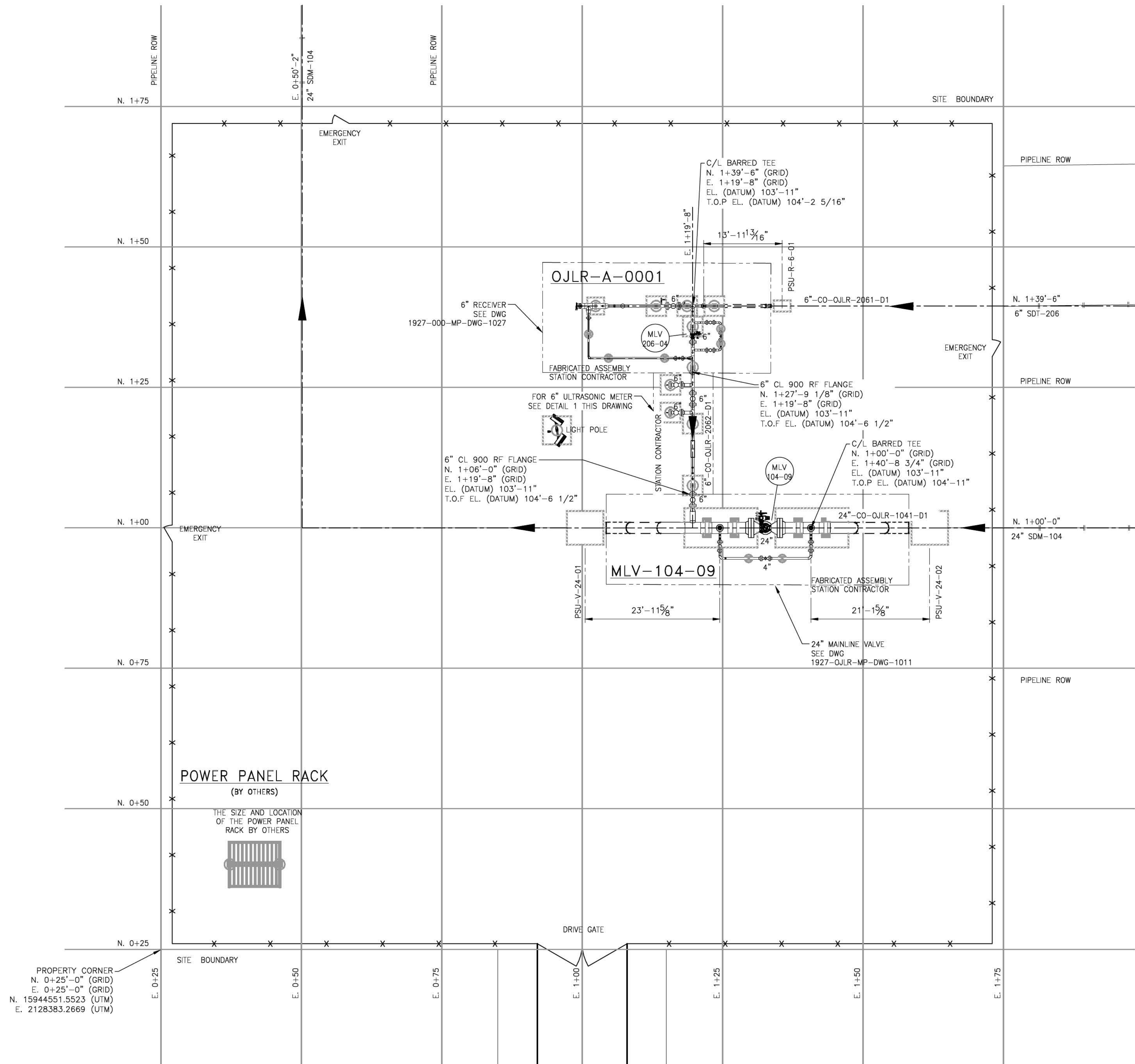
C:\Users\Nancy\ACD\docs\Tetra Tech Inc\Summit Carbon Solutions - SCS MCE CO2 Pump Station Design (204-Vares)\Project Files\3753-MPS-05 Manchester00-CADD\05-Mech\02-Shis\MCPSP-MSP-0201.dwg



EQUIP ECCN:	-	-	-	-	-
DWG ECCN:	-	-	-	-	-
LICENSE:	C	12/27/22	NLH	MCPSP	ISSUED FOR BID
COUNTRY:	B	12/12/22	NLH	MCPSP	ISSUED FOR REVIEW
	A	10/21/22	NLH	MCPSP	ISSUED FOR REVIEW
REV	DATE	BY	PROJECT	DESCRIPTION	

SUMMIT CARBON SOLUTIONS
BEADLE COUNTY, SOUTH DAKOTA

SCS MIDWEST CARBON EXPRESS MPS-06 MANCHESTER (MCPSP) PIPING PLAN AREA			
DRAWN BY:	DATE:	DRAWING NUMBER:	REV:
NLH	10/21/22	MCPSP-MSP-0201	SHT. 1
SCALE:	1"=30'		OF 1



DETAIL 1
SCALE 1/2"=1'-0"

NOTES:

1. TRAP DESIGN, MATERIALS, AND FABRICATION SHALL BE IN ACCORDANCE WITH TITLE 49 CFR 195.
2. WELDING PROCEDURES AND WELDERS SHALL BE QUALIFIED PER API-1104.
3. 100 PERCENT OF ALL PIPING BUTT WELDS SHALL BE RADIOGRAPHED AND MEET THE ACCEPTANCE CRITERIA OF API-1104.
4. DESIGN PRESSURE: 2220 PSIG @100F. MOP: 2183 @ 120F.
5. CONTRACTOR TO FIELD VERIFY DIMENSIONS, COORDINATES AND ELEVATIONS PRIOR TO FABRICATION AND INSTALLATION.
6. FOR ABOVE GROUND SUPPORTS DETAILS SEE DWG. 1927-OJLR-CS-2001.
7. SEE P&ID FOR SP ITEMS, VALVE TAGS AND INSTRUMENT TAGS.
8. FOR LIGHT POLE FOUNDATION DETAILS SEE DWG. 1927-000-CS-106C.
9. INSULATION KIT PROVIDED AND INSTALLED WITH STATION PIPING.
10. REFERENCE DATUM ELEVATION OF 100'-0" IS EQUIVALENT TO FINISHED GRADE ELEVATION OF 1755'-0" MSL.

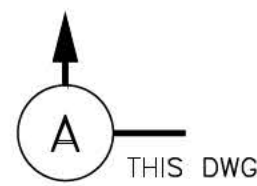
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NOT ISSUED FOR CONSTRUCTION

NO.	REVISION-DESCRIPTION	BY	DATE	CHK'D	APP'D	APP'D
0		SSB	12 JUL 2023	DJ	TL	DA

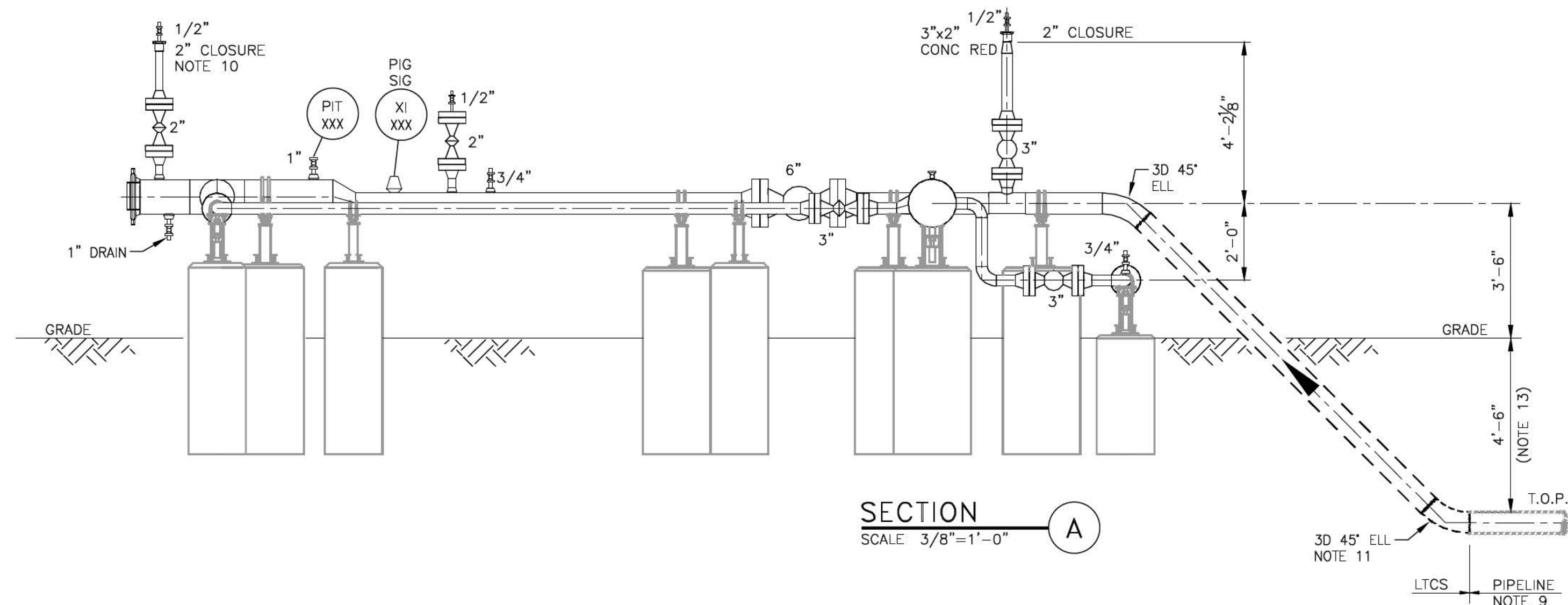
GULF INTERSTATE ENGINEERING TEXAS REGISTERED ENGINEERING FIRM F-2830	
DWN. BY:	SSB
DATE:	06 SEP 2022
CHK. BY:	DJ
12 JUL 2023	
DISC. ENGR:	TL
12 JUL 2023	
PROJ. MGR:	DA
12 JUL 2023	
CLIENT APP:	
SCALE:	1"=10'-0"

 SUMMIT CARBON SOLUTIONS	
SUMMIT CARBON SOLUTIONS PIPELINE PLOT/KEY PLAN ORLAND JUNCTION LAUNCHER /RECEIVER AREA :PLR-05	
AFE No.	DWG. NO: 1927-OJLR-MP-DWG-1001
REV: 0	



SCALE 3/8"=1'-0"

FOR LOCATION AND ORIENTATION SEE PLOT PLAN



SCALE 3/8"=1'-0"

8. CONTRACTOR TO FIELD ROUTE AND INSTALL 1" SS TUBING AND 1" SWAGELOCK SS-CHS16-EP-10 CHECK VALVE SP-3.
 9. TRANSITION BETWEEN LICS (D1 SPEC) AND PIPELINE STANDARD 54 PIPE SHALL BE BELOW GROUND. REFER TO PIPING SPECIFICATIONS AND SPECIFIC P&ID GRADES AND WALL THICKNESS. CONTRACTOR SHALL BACK BEVEL UN-EQUAL WALL THICKNESS PER ASME B31.4.
 10. CONTRACTOR SHALL EXTEND VENT PIPE TO 7'-0" ABOVE GRADE.
 11. SHIP LOOSE FOR FIELD INSTALLATION.
 12. CONTRACTOR TO FIELD VERIFY DIMENSIONS, COORDINATES AND ELEVATIONS PRIOR TO FABRICATION AND INSTALLATION.
 13. PIPELINE DEPTH OF COVER IS 4'-0" FOR NORTH DAKOTA, SOUTH DAKOTA, NEBRASKA AND IOWA. PIPELINE DEPTH OF COVER IS 4'-6" FOR MINNESOTA.
 14. SEE P&ID FOR SP ITEMS, VALVE TAGS AND INSTRUMENT TAGS.
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 GULF INTERSTATE ENGINEERING TEXAS REGISTERED ENGINEERING FIRM F-2835	
DWN. BY:	SSB
CHK. BY:	DJ
DISC. ENGR:	TL
PROJ. MGR:	DA
CLIENT APP:	
SCALE:	3/4" = 1'-0"

SUMMIT CARBON SOLUTIONS PIPELINE
PIPING PLAN AND SECTION
TYPICAL 6" RECEIVER

AFE No.

DWG. NO: 1927-000-MP-DWG-1027

REV: 2

