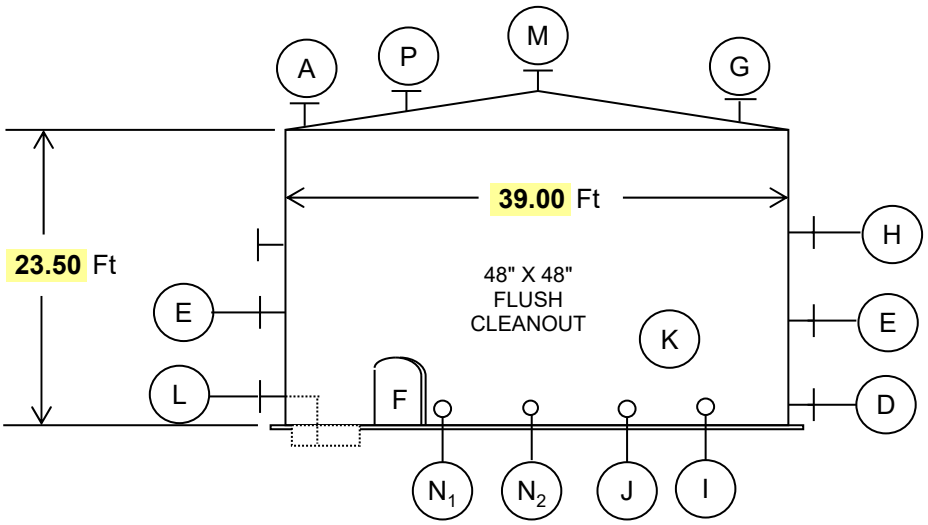
STORAGE TANK SPECIFICATION
(English Units)

Project No.	0.000	Rev. No.

Service :	Water Injection			Equipment No. :	800-TK-007
Location :		Unit :		Design Engineer :	
Manufacturer :		Model :		Mfr Ref. No. :	No. Req'd : Two
P&ID No.	SIK-PSA-WCP-PID001	Plot Plan No. :		Other Ref. Dwg No. :	



Shell Diameter :	39.00 Feet	Shell Height :	23.50 Feet	Nominal Volume :	5,000 Barrels
Roof Type :	Cone			Bottom Floor Type:	Sloped

OPERATING/DESIGN DATA

Fluid Stored :	WATER	Sp. Gr. :	0.7900
This Tank Service is considered:	Cyclic		
Vapor Pressure @ Max. Operating Temperature	5.5 psia		
Flash Point (Closed Cup) :	ºF	Operating	Design
Negative Pressure	oz/in.2	0.00	0.50
Positive Pressure	psig	1.00	2.00
(Hydro)test Pressure expressed in Psig		----	
Minimum Fluid Temperature	ºF		-25
Maximum Fluid Temperature	ºF		200
Emergency Vacuum Design ?	Yes	Set @	0.0.3 oz/in.2

METALLURGY

Component	Material	CA, in.	Remarks
Shell & Bottom	57370	0.1250	Normalized
Roof	516 Grade 5	0.1250	Normalized
Lining/Coating			
Stress Relieve ?	Yes for:		

NOZZLES/CONNECTIONS

Mark	Service	Qty	Size	Rating	Face
A	Roof Manway	2	24"	150#	F. F.
E	Shell Manway	2	24"	125#	R. F.
F	Flush Cleanout MW	1	48"x48"	125#	R. F.
G	Stilling Vent	1	6"	125#	F. F.
H	Temperature Indicator	1	1"	150#	L. J.
I	Outlet Nozzle	1	8"	150#	API
J	Fill Nozzle	1	10"	150#	L. J.
K	Mixer Manway	1	30"	150#	F. F.
L	Water Draw Nozzle	1	4"	150#	R. F.
M	Top Center Vent	1	8"	150#	API
N1	Sample Tap	1	3/4"	150#	R. F.
N2	Sample Tap	1	3/4"	150#	F. F.
P	Roof Nozzle	1	4"	150#	L. J.
D	Spare	1	2"	150#	API
				150#	API
				150#	API

CONSTRUCTION/FABRICATION

Code (as appl.):	API 650 LATEST EDITION	Internals (attach separate sheet, as req'd):	Others:
Design Specifications:		Sump	
Tank Insulation ?	No Thickness : in.	Seismic Zone 3	Design Wind Velocity 100 mph
Insulation Type:	Hot	Radiograph 85 %	Inspection Req'd ? Yes
Fireproofing ?	Yes Paint Spec.	EmptyTank Weight lb	Full of Water lb

Remarks

1. Items marked with an asterisk (*) to be completed by Vendor/Fabricator.
2. **Fixed cone roof with internal floating roof.**

Approvals

Rev	Date	Description	By	Chk.	Appr.	Rev	Date	Description	By	Chk.	Appr.
0		For Inquiry									