Industrial Fiberglass Specialties, Inc.
521 Kiser Street
Dayton, OH 45404-1641
Tel: 937-222-9000
Fax: 937-222-9020

A. General Service Conditions

Date _____/_____/_____

Specification No. _____

Project Name _____

Location _____

City _____ State _____

Client/End User _____ Telephone No. _____

Contact Name _____ Fax No. _____

Consultant/Engineer _____ Telephone No. _____

Contact Name _____ Fax No. _____

Piping Required:
Diameter _____ in. Length _____ ft.
Diameter _____ in. Length _____ ft.
Diameter _____ in. Length _____ ft.
Diameter _____ in. Length _____ ft.
Diameter _____ in. Length _____ ft.

Total Length _____ ft.

Please Note: When reporting the following information, please specify maximum operating values WITHOUT safety factors applied. Safety factors will be applied during design.

Type of Fluid Conveyed _____
_____

Fluid Specific Gravity _____

Fluid Temperature Min. _____°F
Max. _____°F

Specified Materials

Liner Resin _____

Liner Thickness _____

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Outside Air Temperature Min. _____ºF
Max. _____ºF

Internal Pressure @ Centerline _____ PSI

Internal Pressure
Max. Normal _____ PSI
Min. Normal _____ PSI
Max. Transient _____ PSI
Min. Transient _____ PSI

Load Transmitted by
Equipment or Structure _____
ft./lbs. or lbs.

Structural Wall Resin
☐ Isophthalic _____
☐ Vinylester _____
☐ Furan _____
☐ Special _____

Structural Wall Minimum Continuous Glass Content by Weight _____

Type of flanges to mate with pipe:
☐ Standard Flat Face
☐ Raise Face
☐ Wafer Flange
☐ Expansion Joint
☐ With Limit Rods

Special Conditions _____

_____

_____

B. Service Conditions for Buried Pipe

Burial Data

Depth of Burial Max. _____ Ft.
Min. _____ Ft.

Natural Ground Water Elevation Near Pipe _____ Ft.

Maximum Flood Water Elevation _____ Ft.

Frost Depth _____ Ft.

Bedding

Type or Class _____

Stability of Surrounding Bedding with Regard to Variable Supporting Strength
☐ Stable ☐ Unstable

Expected Differential Settlement @ Wall Penetrations or Hard Points _____ In.

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Specified Trench Shape Adjacent to Pipe

☐ None ☐ Sloping Walls ☐ Vertical Side Walls

Soil Conditions

	Native Undisturbed Soil @ Pipe Centerline Elevation	Backfill Materials
Type	_____	☐ Native ☐ Imported
Soil Density	_____ PCF	_____ PCF
% Fines Passing Through #200 Mesh Sieve	_____ %	_____ %
Standard Penetration Resistance (Blows/ft. of Penetration)	_____	_____
Modulus of Soil Reaction @ -4 ft. from Grade	_____ PSI	_____ PSI
Deflection Lag Factor (1.25 Minimum Rock & 1.5 Minimum Natural Trench)	_____	
Specified Compaction (Standard Proctor)	_____ %	

Subaqueous Pipe

Mean Tide Elevation

High Tide _____ Ft.

Low Tide _____ Ft.

Maximum Wave Height _____ Ft.

Entrapped Air _____ %

Expected Differential Settlement _____ Ft.

Pile Support Spacing (If Required) _____ Ft.
(Note: Magnify overburden load by 2 if piles are used.)

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C. Service Conditions for Above Ground (Non-Buried) Pipe

Design Wind Loads on Pipe _____ PSF

Design Ice Load _____ lbs./L.F.

External Exposure

- ☐ Sunlight Radiation
- ☐ Mechanical Abuse
- ☐ Chemical Spills

Name Chemicals _____

_____

_____

Available Support Spacing or
Desired Span _____ Ft.

Reaction Force Structure
Can Resist @ Bends _____ lbs.

Thermal Expansion of
Support Structure _____ in./in./^{o}F

Temperature & Pressure Expansion
of Equipment Tie-in _____ in.

Desired Method for Resisting Internal Pressure
and Temperature Expansion at Bends

- ☐ Free-end
- ☐ Allow Elbows to Translate
- ☐ Fixed-end
- ☐ Anchor Pipe @ Direction Changes
- ☐ Use Expansion Joints, Gaskets, etc.