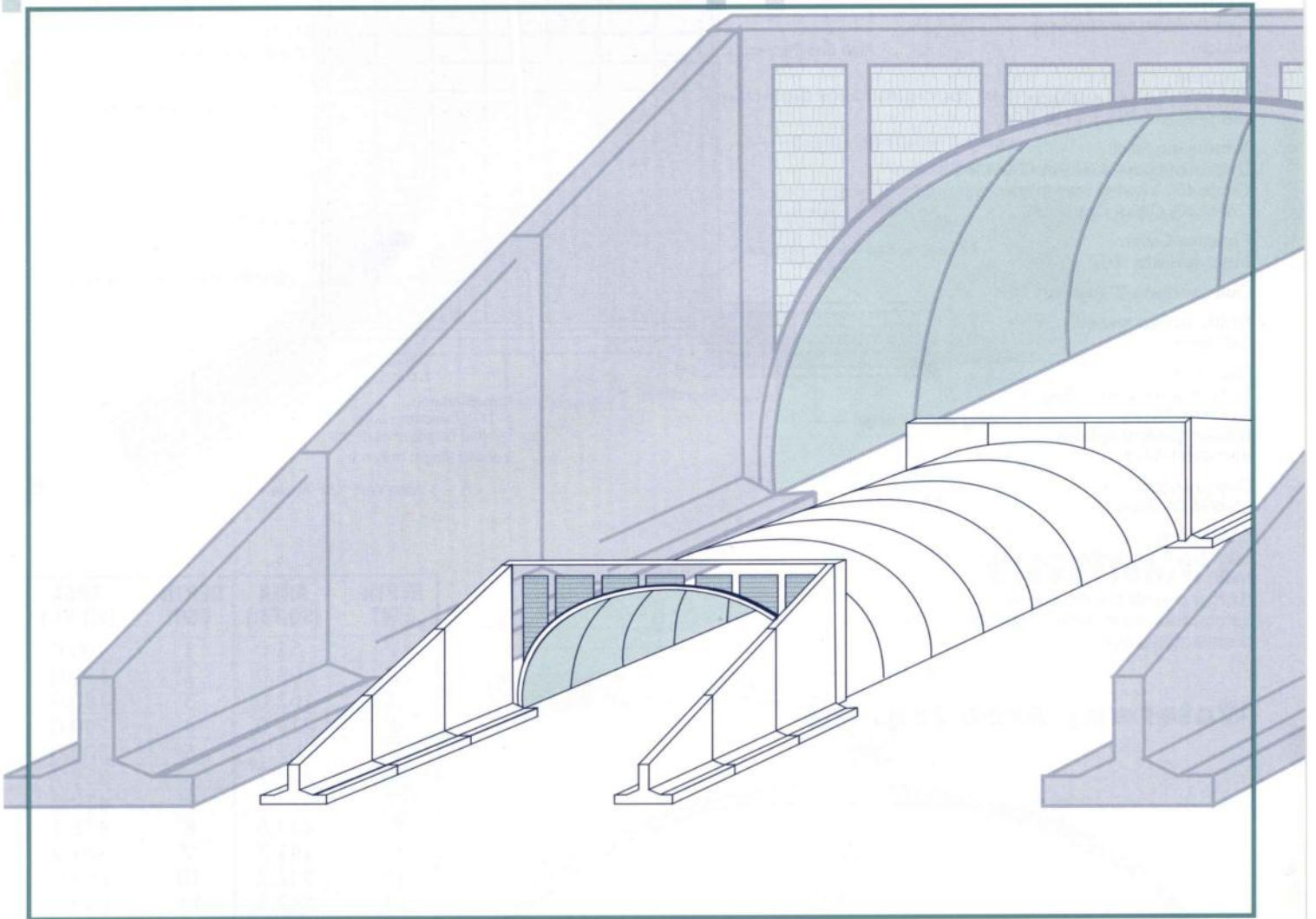


TYPE E54T, E60T

TYPE E54T, E60T

BEBO ARCH SYSTEM

... The Economical Solution



SHAW
PIPE

BEBO

ARCH SYSTEM

Standard Layout

Plan View

General Notes:

Design Standards:
 CSA CAN3-A23.3 "Design of Concrete Structures"
 CAN/CSA-S6 "Design of Highway Bridges"
 AASHTO "Standard Specifications for Highway Bridges"

Concrete:
 CSA CAN3-A23.1 5,000 psi compressive strength (28 days)

Reinforcing Steel:
 Deformed bars CAN/CSA G30.12
 Grade 400 Welded wire fabric CAN/CSA G30.5 Grade 450

Concrete Cover:
 Inner surfaces 1 1/2"

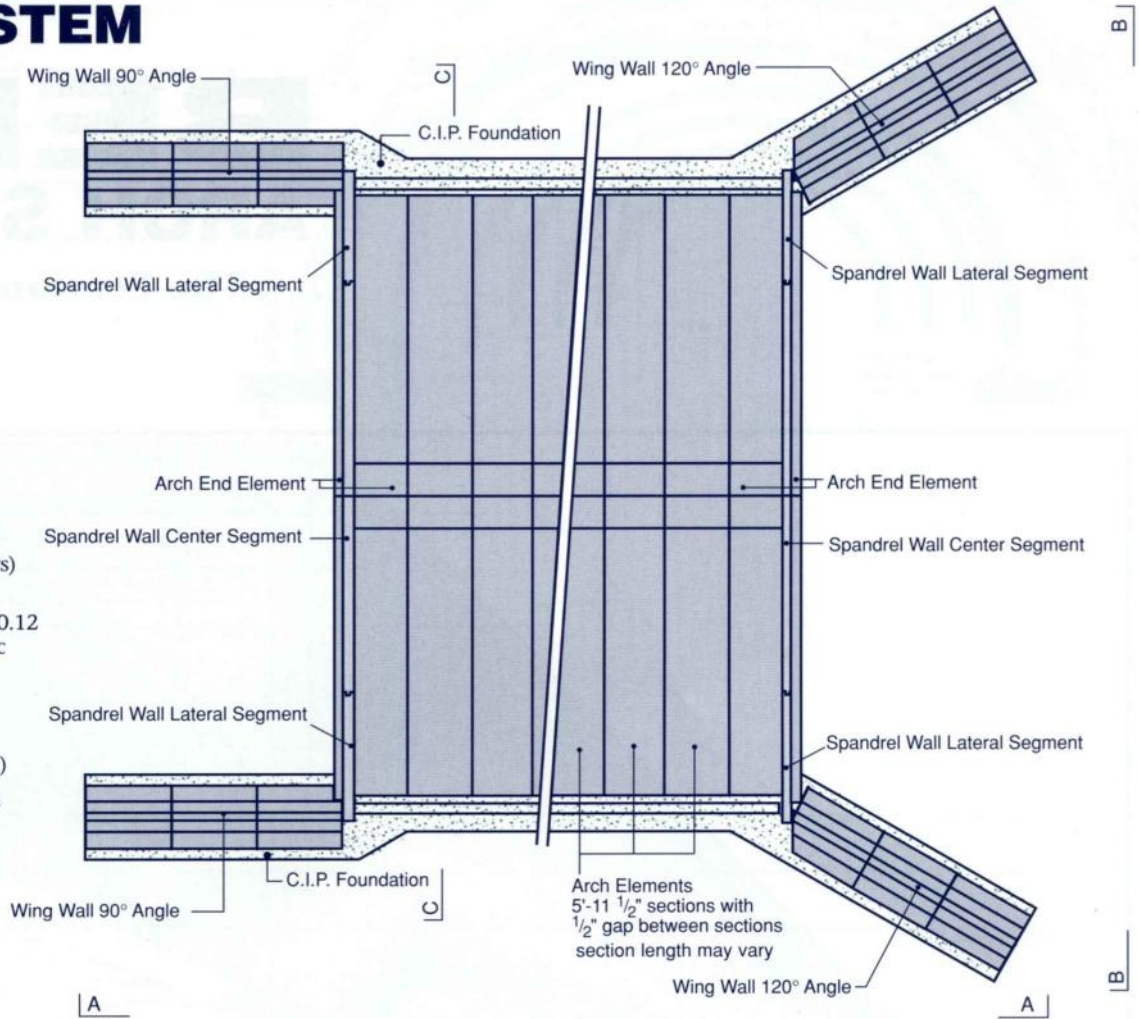
Outer surfaces 2" (against fill)

Finish all exposed edges with 3/4" bevel

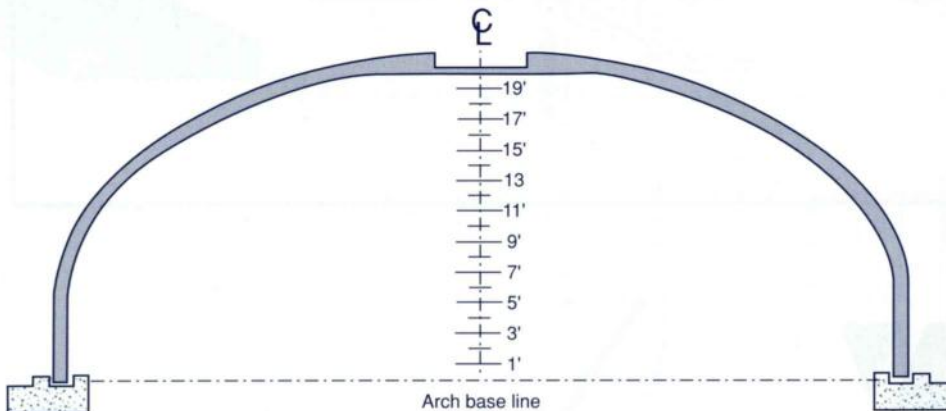
Foundation:
 To be designed according to local conditions
 (Precast footing options also available.)

Design Loads:
 CS-600 Truckload

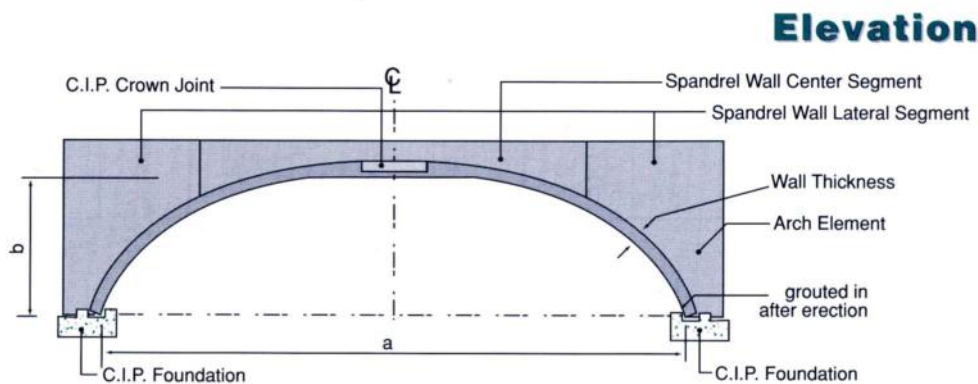
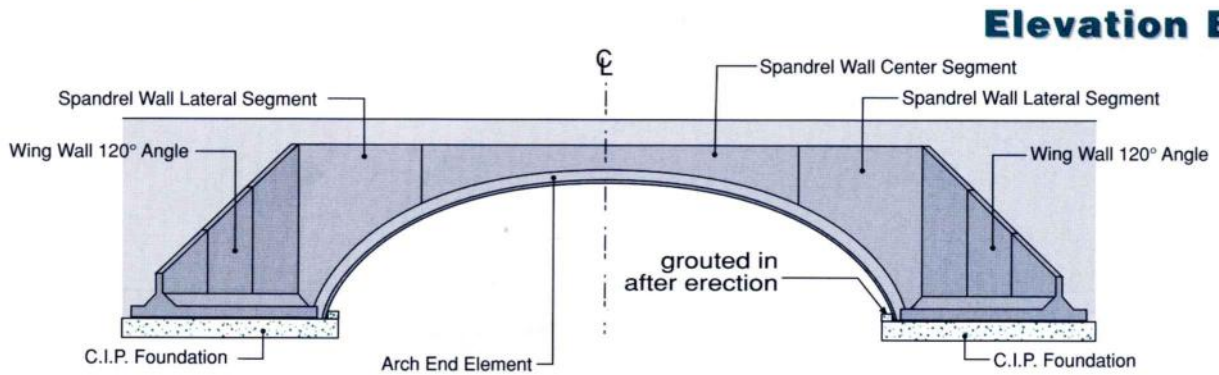
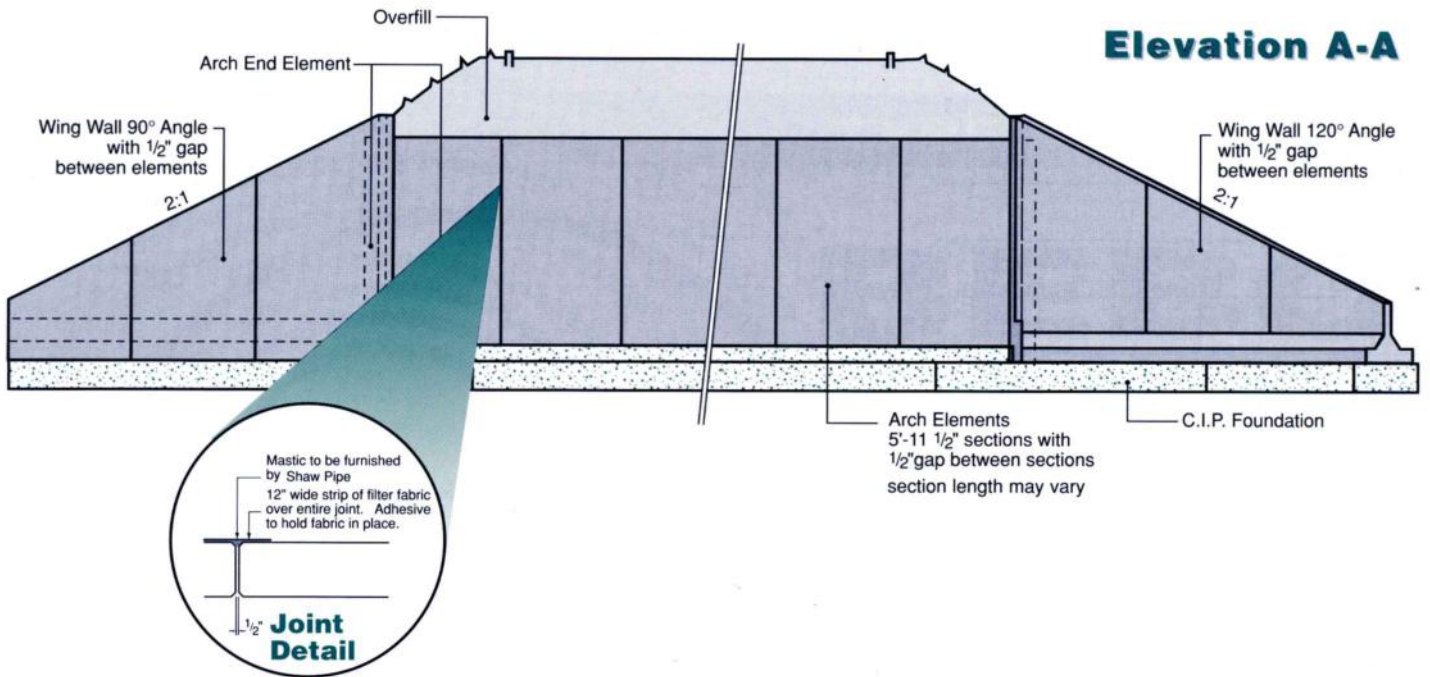
Earth Cover:
 Min. 1 1/2 ft (including pavement)
 Max. 15 ft
 (Larger overfill heights can be accommodated if further analysis is undertaken and



Waterway Area (sq. ft.)



DEPTH E54T	AREA (SQ.FT.)	DEPTH E60T	AREA (SQ.FT.)
1'	54.0	1'	60.0
2'	108.0	2'	120.0
3'	162.0	3'	180.0
4'	216.0	4'	240.0
5'	269.9	5'	300.0
6'	323.7	6'	359.7
7'	377.1	7'	419.2
8'	429.8	8'	478.1
9'	481.7	9'	536.2
10'	532.7	10'	593.6
11'	582.3	11'	649.6
12'	630.4	12'	704.5
13'	676.7	13'	757.7
14'	720.1	14'	809.1
15'	762.9	15'	858.5
16'	801.1	16'	905.6
17'	836.4	17'	949.9
18'	867.4	18'	990.9
19'	893.0	19'	1028.1
20'	911.3	20'	1060.8
		21'	1087.9
		22'	1107.1



TYPE	A-SPAN (FT.)	B-RISE (FT.)	WEIGHT (LBS.)	WALL THICKNESS	TYPE	A-SPAN (FT.)	B-RISE (FT.)	WEIGHT (LBS.)	WALL THICKNESS
E54T/0	53'6 ⁷ / ₃₂ "	14'0"	29170	1'	E60T/0	59'10 ¹⁵ / ₁₆ "	17'0"	39160	1'2"
E54T/1	53'10 ¹³ / ₁₆ "	15'0"	31120	1'	E60T/1	60'	18'0"	40260	1'2"
E54T/2	54'	16'0"	31060	1'	E60T/2	60'	19'0"	41300	1'2"
E54T/3	54'	17'0"	31960	1'	E60T/3	60'	20'0"	42340	1'2"
E54T/4	54'	18'0"	32850	1'	E60T/4	60'	21'0"	43380	1'2"
E54T/5	54'	19'0"	33740	1'	E60T/5	60'	22'0"	44420	1'2"
E54T/6	54'	20'0"	34630	1'					

ARCH DESIGN DATA SHEET

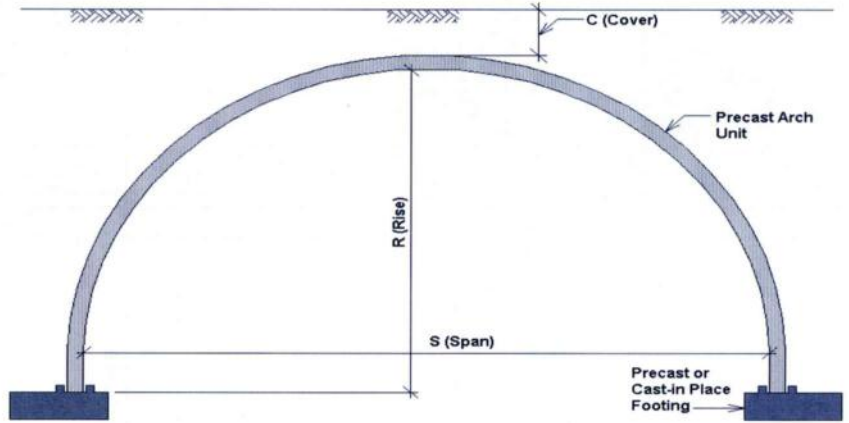
Project Title: _____

Location: _____

Contact: _____

Phone: _____

Fax: _____



Geometry

Span (S): _____

Width of Bridge (W): _____

Rise (R): _____

Loads

Minimum Cover (C^{min}): _____	Maximum Cover (C^{max}): _____
Specified Live Load: _____	Other Loads: _____
Allowable Bearing Pressure: _____	Backfill Density: _____

