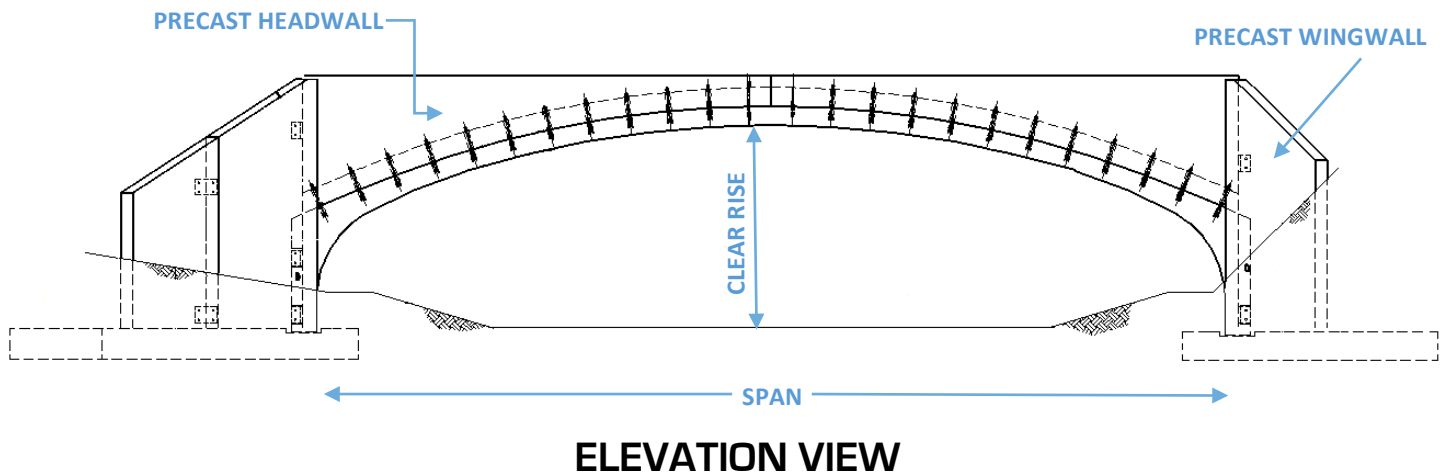
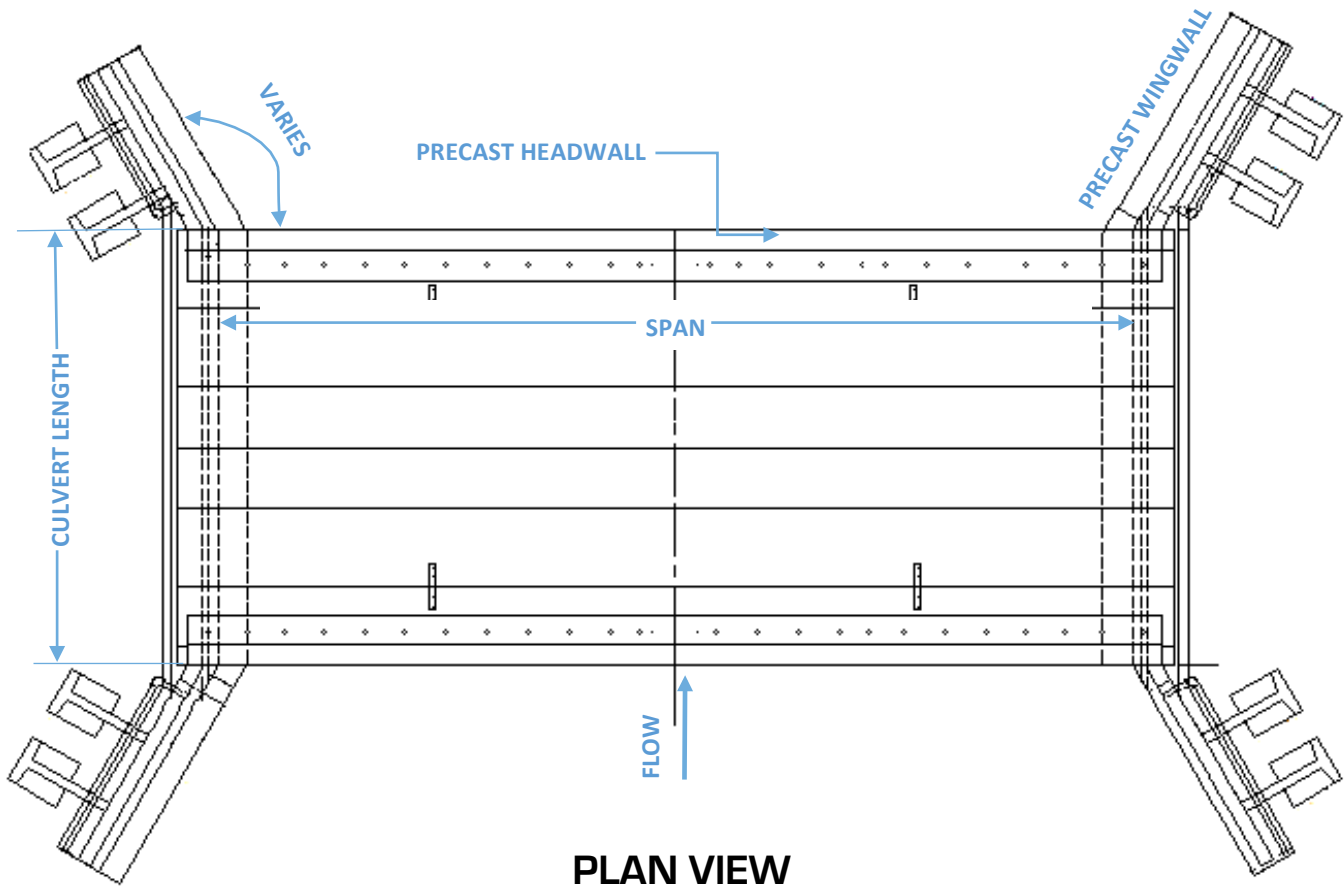


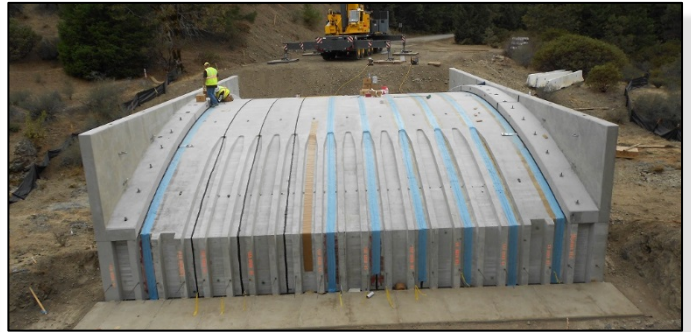
## DESIGN DETAILS

Precast Arch Units are cast off site and **typically installed in a single day**. Backfill can be placed the very next day.

**Precast Headwalls and Wingwalls** are set with the same crane to complete the installation.

The structure can be set on **strip footings, pedestal wall foundations, slab foundations or piles**.



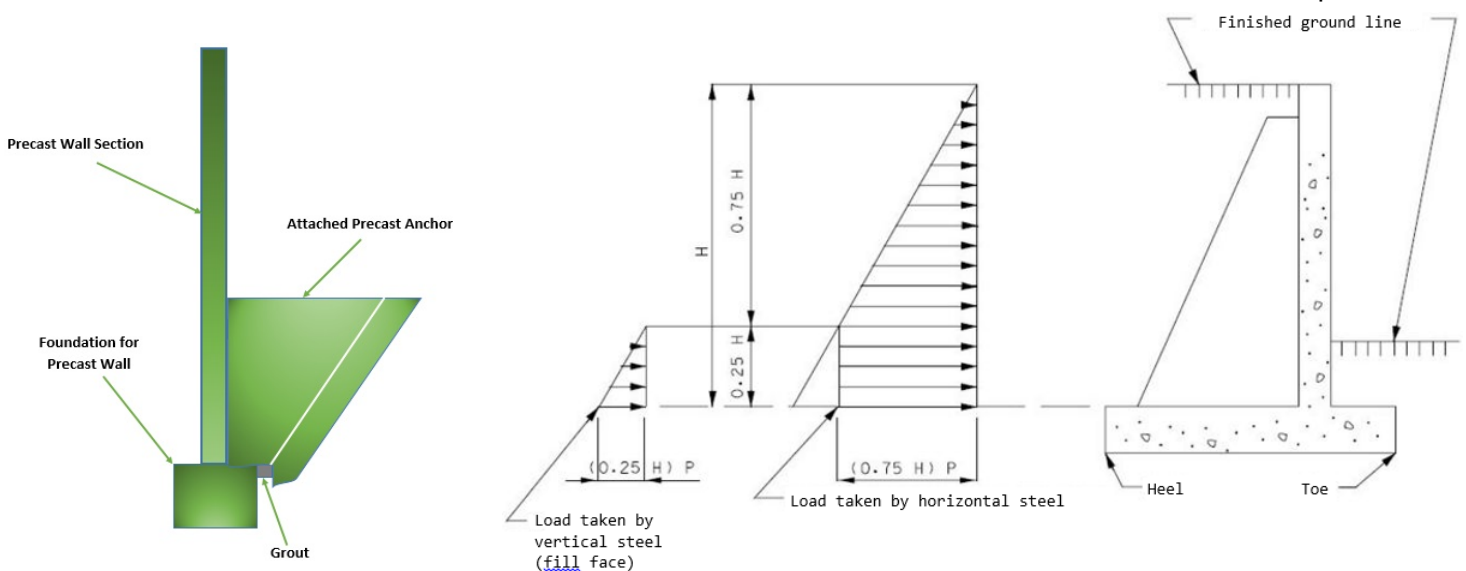


## MAXIMUM SKEWS BY SPAN

| Span (ft)     | 12     | 14     | 16     | 20     | 24     | 28    | 32    | 36    | 42    | 48    | 54    | 60    |
|---------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| Leg Max. (ft) | 7.75   | 7.75   | 7.75   | 7.75   | 7.75   | 5.75  | 5.75  | 5.75  | 5.75  | 4.75  | 3.75  | 3.75  |
| Max. Degrees  | 23.33° | 20.56° | 18.03° | 14.86° | 12.63° | 7.12° | 6.29° | 5.59° | 4.83° | 2.83° | 1.26° | 1.14° |
| Leg Min. (ft) | 2.00   | 2.00   | 2.00   | 2.00   | 2.00   | 2.00  | 2.00  | 2.00  | 2.00  | 2.25  | 2.50  | 2.50  |

## PRECAST WINGWALL BENEFITS

- Wall Cross Sections: Thinner
- Foundations: Reduced Widths
- Excavation Width: Reduced
- Installation: Faster, Less Disruption



**SPECS**

is a certified DBE, WBE, SBE, SB, EDWOSB and SWBE.