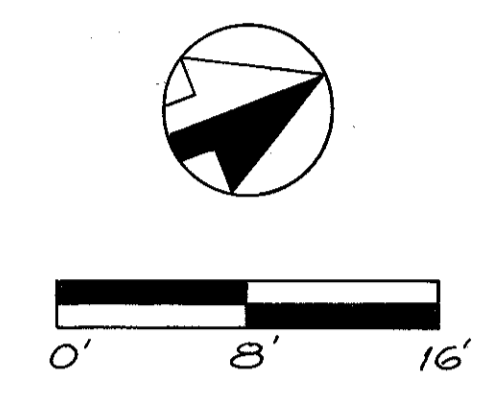
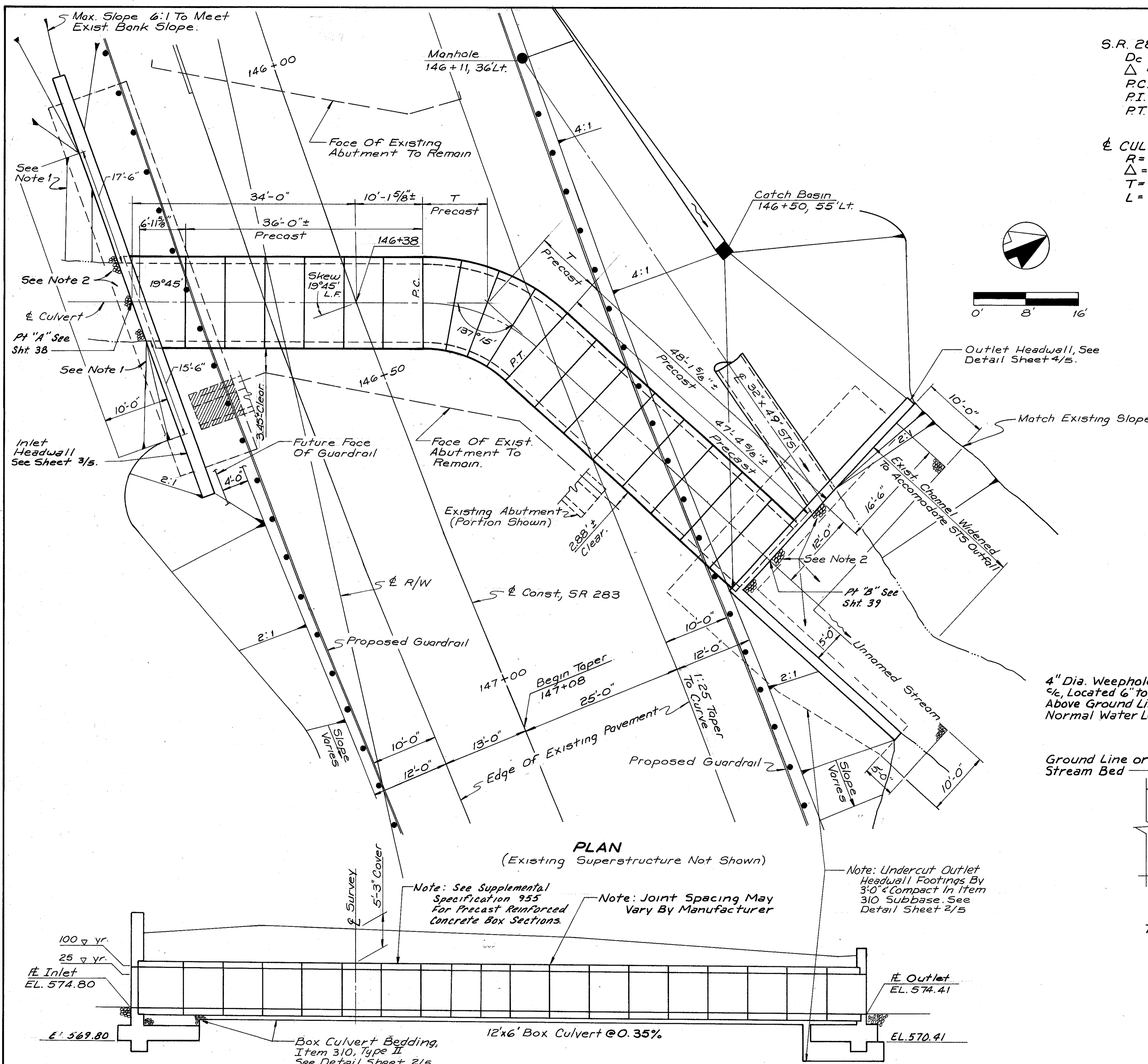


**S.R. 283 CURVE DATA:**  
 $D_c = 3^\circ 56' 57''$   
 $\Delta = 21^\circ 46' 15''$   
 $P.C. = 144 + 51.44$   
 $P.I. = 147 + 30.44$   
 $P.T. = 150 + 02.71$

**CULVERT CURVE DATA:**  
 $R = 25.00'$   
 $\Delta = 42^\circ 45'$   
 $T = 9.78'$   
 $L = 18.65'$

**NOTE 1:** Existing Bank Slope ( $1\frac{1}{2} \pm 1$ )  
**NOTE 2:** Rock Channel Protection To Be Type B With Filter. Thickness Shall Be 2'-6".

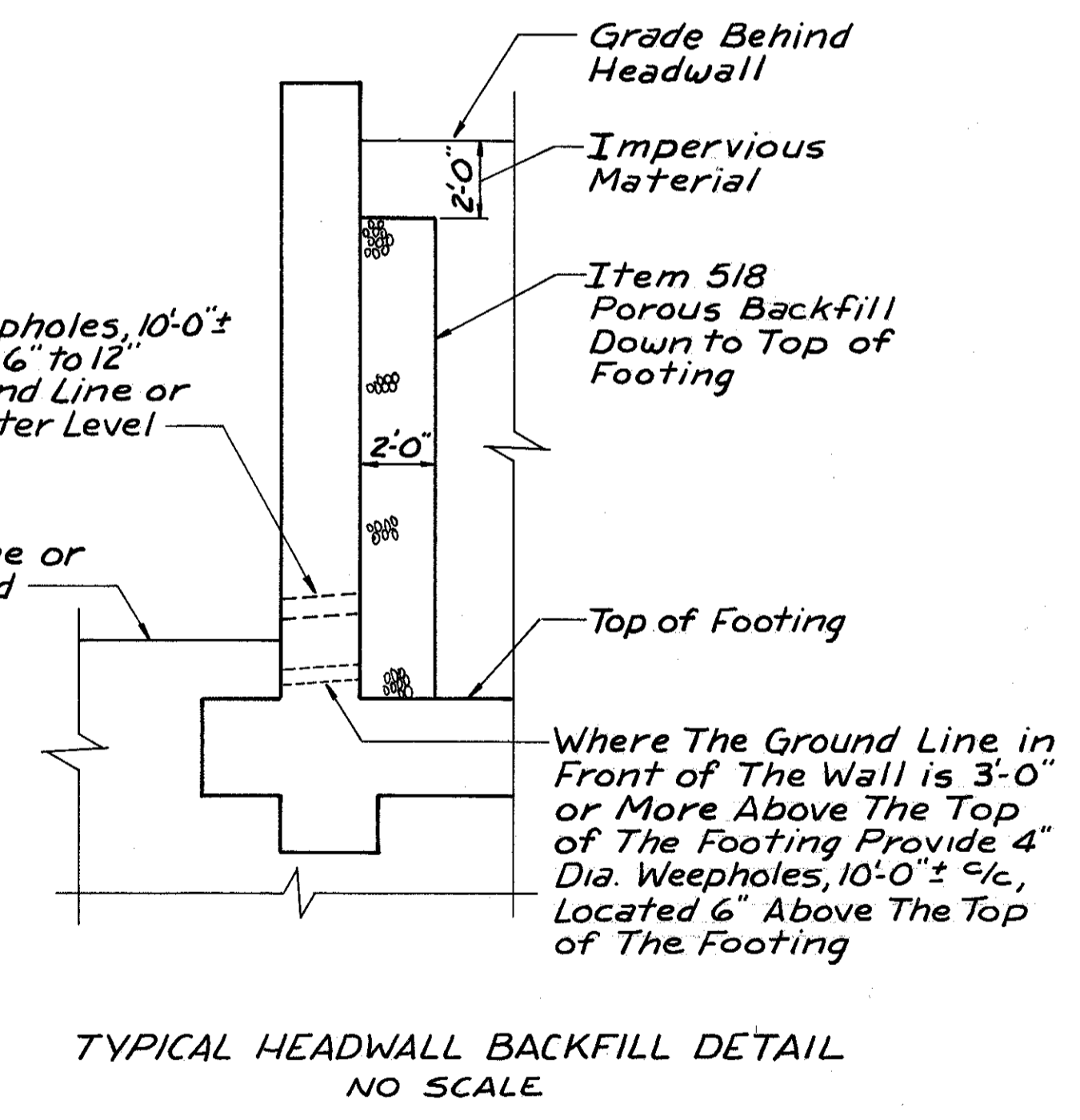


**EXISTING STRUCTURE**

Type: Single Span Concrete Beam With Concrete Slab & Concrete Substructure On Piling.  
 Span: 50'-0" ± Clear Span.  
 Roadway: 24'-0" ± f/f Curbs.  
 Skew: 30° - 03'-41" L.F.  
 Wearing Surface: Asphalt Concrete  
 Superelevation: 4% ±  
 Alignment: 3'-5" - 57.1" Curve Left  
 Approach Slabs: 17'-0" Long, 16'-0" Wide  
 Year Built: 1926  
 Condition: Good

**HYDRAULIC DATA**

Drainage Area = 2.20 Square Miles  
 $Q(25) = 380 \text{ cfs}$      $Q(100) = 510 \text{ cfs}$   
 $T.W.(25) = 578.8 \text{ MSL}$      $T.W.(100) = 579.3 \text{ MSL}$   
 $H.W.(25) = 579.7 \text{ MSL}$      $H.W.(100) = 580.9 \text{ MSL}$   
 Outlet  $V(25) = 7.2 \text{ fps}$     Outlet  $V(100) = 8.7 \text{ fps}$



**LEGEND**

- Rock Channel Protection, Type B (With Filter)
- Existing Structure To Be Removed See Sheet 10 For Note "For Information Only" And Sht. 37 "Gen. Notes"
- STS Storm Sewer

**PROPOSED STRUCTURE**

Type: Single Cell Precast Concrete Box Culvert With 0° & 90° Wingwalls.  
 Size: 12'-0" x 6'-0"  
 Loading: HS 20-44  
 Skew: 19° - 45' L.F. From Tangent At Station 146+38

Burgess & Niple, Limited **bn** 1/5  
 Engineers and Architects

**GENERAL PLAN AND ELEVATION**  
 LAK-283-0419  
 OVER  
 UNNAMED STREAM  
 LAKE COUNTY STA. 146+38

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
WAC	JWT	JWT			