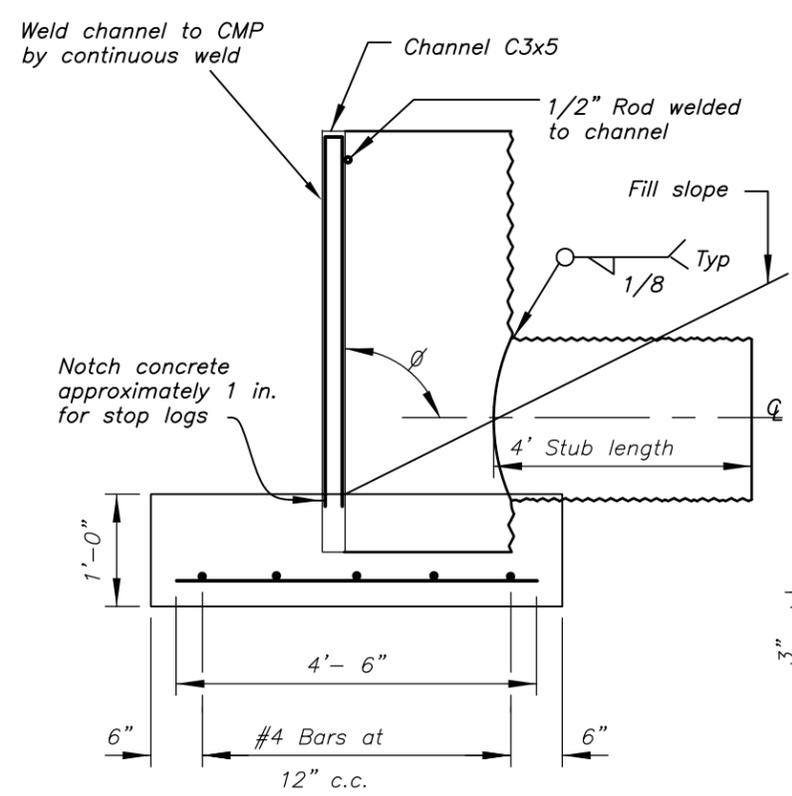
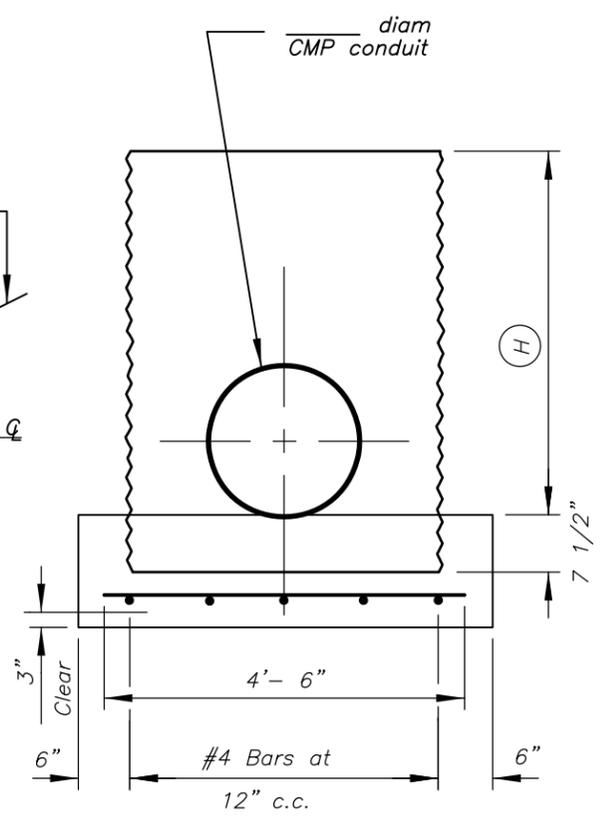


PLAN



SIDE ELEVATION



DOWNSTREAM ELEVATION

TABLE SHOWING DIMENSIONS AND MATERIAL

	Dimensions
Nominal Length (H) In Feet Of CMP Riser And Channels	
Gage Of Riser In Inches	
Gage Of Conduit In Inches	
∅ Angle In Degrees	
MATERIALS	
Number Of #4 Reinforcing Bars 4'- 6" Long	10
Weight Of #4 Reinforcing Bars In Pounds	30
Volume Of Concrete In Cubic Yards	1.0
Number Of 1/2 Inch Rods 48" Long	1.0
Number Of 2"X 6" Stop Logs (Approximate Length 48")	
Quantity Required	

- NOTES:
- The riser height shall be limited to 4 feet.
  - The conduit diameter shall be limited to 12" thru 27".
  - The corrugated metal riser with 4 feet conduit stub shall be fabricated from galvanized steel or aluminum. If fabricated from steel, any zinc coating damaged by welding shall be repaired as follow:
    - All loose and cracked coating shall be removed by wire brushing and all dirt and greasy material by a suitable solvent.
    - The damaged area shall be painted with two coats of Zinc Dust-Zinc Oxide Primer, follow by a heavy coat of Fibrated Asphalt Mastic.
  - Corrugated aluminum risers and conduits shall be separated from the reinforced concrete base by at least 2 layers of plastic tape with a total thickness of at least 24 mils or by a heavy coat of Akai- Resistant Bituminous paint.
  - Lumber used for stop-logs shall be 2"x 6" nominal Southern Yellow Pine (SYP) No. 2 pressure treated to 0.4 pounds retention or equivalent. This is suitable for a maximum weir length of 4 feet and a maximum water depth of 4 feet. Use tongue and groove or equivalent for watertightness if needed. Tongue and Groove (Yes) (No)
  - For additional details see Missouri Construction Specification 410-B.
  - Welded steel pipe may be substituted for the CMP as approved by NRCS. Minimum wall thickness shall be 0.25 inches.

DRAFT  
NOT FOR  
CONSTRUCTION

Date \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked \_\_\_\_\_  
 Approved \_\_\_\_\_

CMP or WSP STOP LOG  
WATER CONTROL STRUCTURE



File Name \_\_\_\_\_  
 Drawing Name  
 29-N-417  
 Sheet \_\_\_\_\_ of \_\_\_\_\_