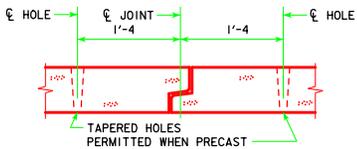
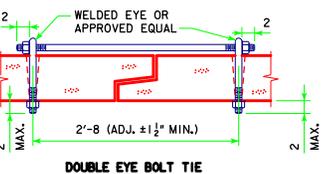
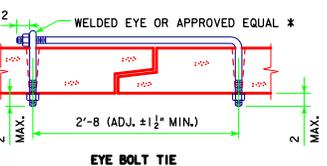
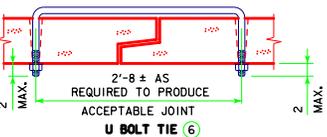
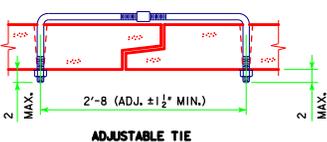


ENGLISH SIGN PRECAST CULVERTS.DGN - PRCB G2-13 - THIS SHEET ISSUED 01-13.

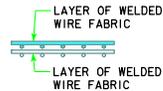


TYPICAL TIE LAYOUT

NOTE:
HOLES SHALL BE CAST OR DRILLED 1'-4\"/>

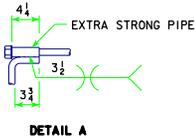


APPROVED CONCRETE BOX TIES

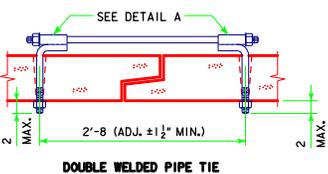
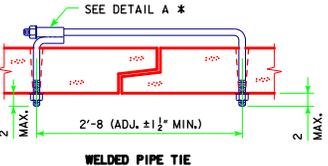


FABRIC LAYER DETAIL

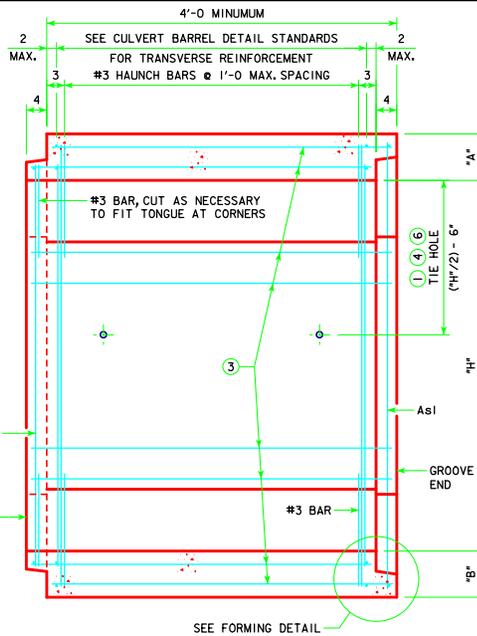
NOTE:
WHEN MORE THAN ONE LAYER OF WELDED WIRE FABRIC IS USED TO OBTAIN THE REQUIRED REINFORCEMENT AREAS, THE WIRES OF THE WELDED WIRE FABRIC SHALL BE PLACED AS SHOWN.



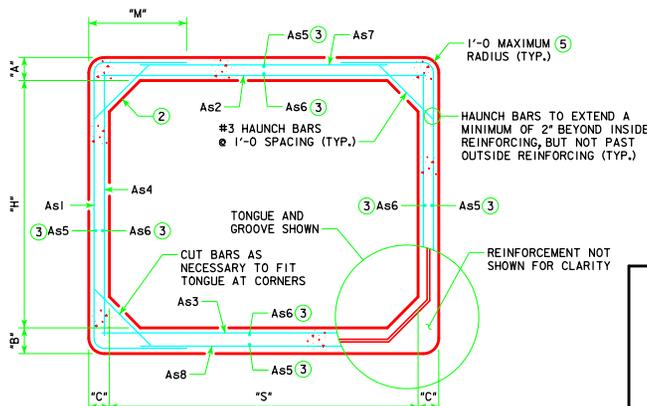
* THE CONNECTIONS SHALL BE PLACED AT THE DOWNSTREAM END WHEN THE CONNECTIONS ARE PLACED INSIDE OF STRUCTURE.



APPROVED CONCRETE BOX TIES



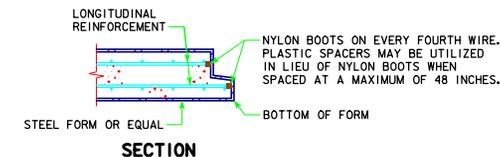
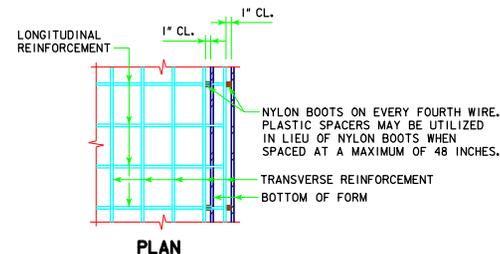
LONGITUDINAL BARREL SECTION
(REINFORCEMENT BAR OPTION SHOWN)



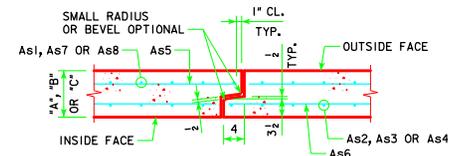
TRANSVERSE BARREL SECTION
(REINFORCEMENT BAR OPTION SHOWN)

NOTES:

- ① CULVERT TIES ARE TO BE 1"Ø RODS. SEE THIS SHEET FOR CONNECTION DETAILS.
- ② HAUNCH SIZES ARE TO BE 12" VERTICAL, 12" HORIZONTAL ON ALL BOX SIZES.
- ③ LONGITUDINAL REINFORCEMENT DENOTED AS As5 & As6 MUST BE PLACED IN SLAB, FLOOR, AND WALLS AND MUST BE 0.06 IN²/FT. MIN.
- ④ REFER TO APPLICABLE END SECTION DETAIL SHEET FOR BARREL TO END SECTION CONNECTION TIE HOLE LOCATIONS.
- ⑤ OPTIONAL SQUARED CORNERS WITH 3/4" TO 2" CHAMFER.
- ⑥ U BOLT TIES ARE REQUIRED FOR BIKE, PEDESTRIAN, AND CATTLE PATHS WITH NUTS ON FILL SIDE.



FORMING DETAIL



TONGUE AND GROOVE JOINT DETAIL

| | | |
|--------------------------------|---------------------------------|--|
| LATEST REVISION DATE | APPROVED BY BRIDGE ENGINEER | STANDARD DESIGN SINGLE PRECAST REINFORCED CONCRETE BOX CULVERTS JANUARY, 2013 |
| TYPICAL CULVERT BARREL DETAILS | | PRCB G2-13 |