

TEMPORARY SEDIMENT TRAP

3d4-C

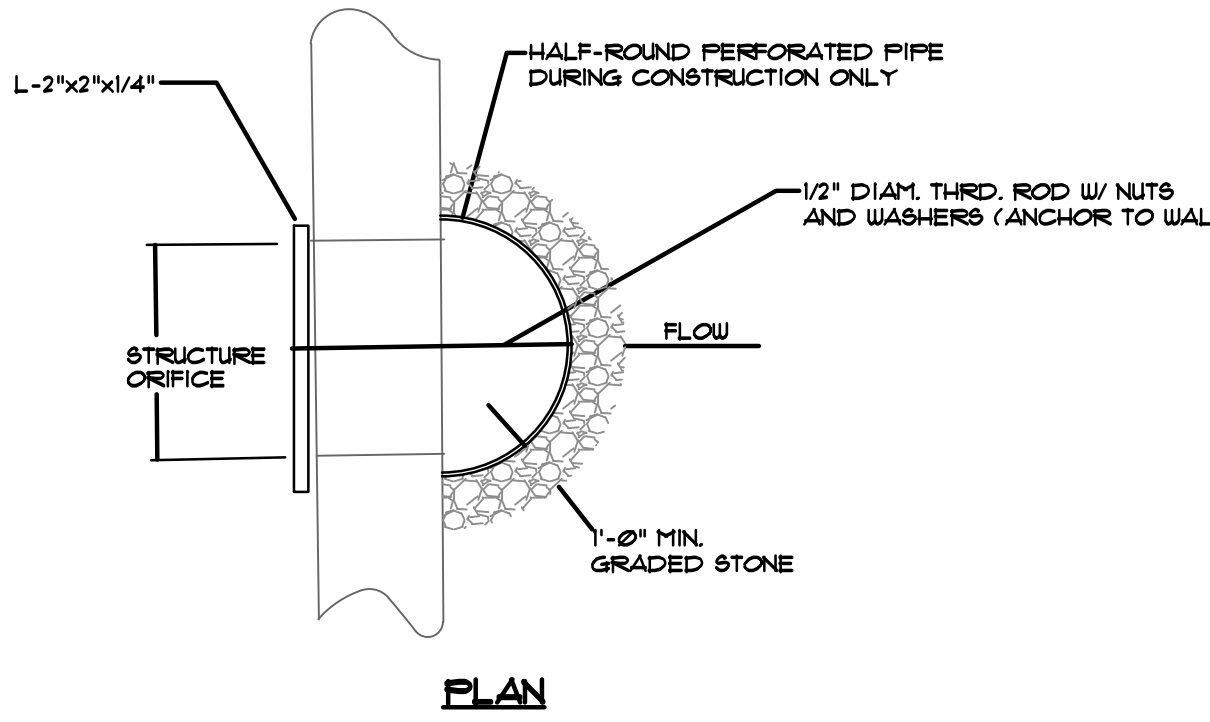
NOT TO SCALE

POND 'A' Rt-P
 SEDIMENT STORAGE CALCULATIONS
 (TO BE SHOWN ON EROSION & SEDIMENT CONTROL PLAN)

POND 'A' STORAGE CALCULATIONS:

1. REQUIRED STORMWATER STORAGE = 126.96 CY (As required by local ordinance)
2. REQUIRED SEDIMENT STORAGE = 48225 CY (ELEVATION: 125.5) (6.1 cy/ac x 6.75 ac disturbed area) (21.0 ACRES/4 PONDS)
3. TOTAL REQUIRED STORAGE = 126.96 + 48225 = 17911 CY
4. AVAILABLE STORAGE = 13183 CY
5. IS THE AVAILABLE STORAGE (4) GREATER THAN THE TOTAL REQUIRED STORAGE (3)?
 X yes no
6. IF "no", THE SEDIMENT STORAGE CAPACITY OF THE POND MUST BE INCREASED. CHOOSE THE METHOD TO BE USED:
 RAISE THE INVERT OF THE OUTLET STRUCTURE ___ INCHES
 UNDERCUT THE POND ___ FEET
 OTHER: _____
7. CLEAN-OUT ELEVATION = 124.02 FT (elevation corresponding to 22 cy/ac x 6.75 ac disturbed area)
8. IS THE LENGTH-WIDTH RATIO 2:1 OR GREATER?
 X yes no
9. IF "no", THE LENGTH OF FLOW MUST BE INCREASED. CHOOSE THE METHOD TO BE USED:
 BAFFLES (Type of baffle: _____)
 OTHER: _____

NOTE THE CMP DIAMETER AND HEIGHT IF A HALF-ROUND CMP RETROFIT IS TO BE USED.
 Diameter = 60 inches Height = 3 feet

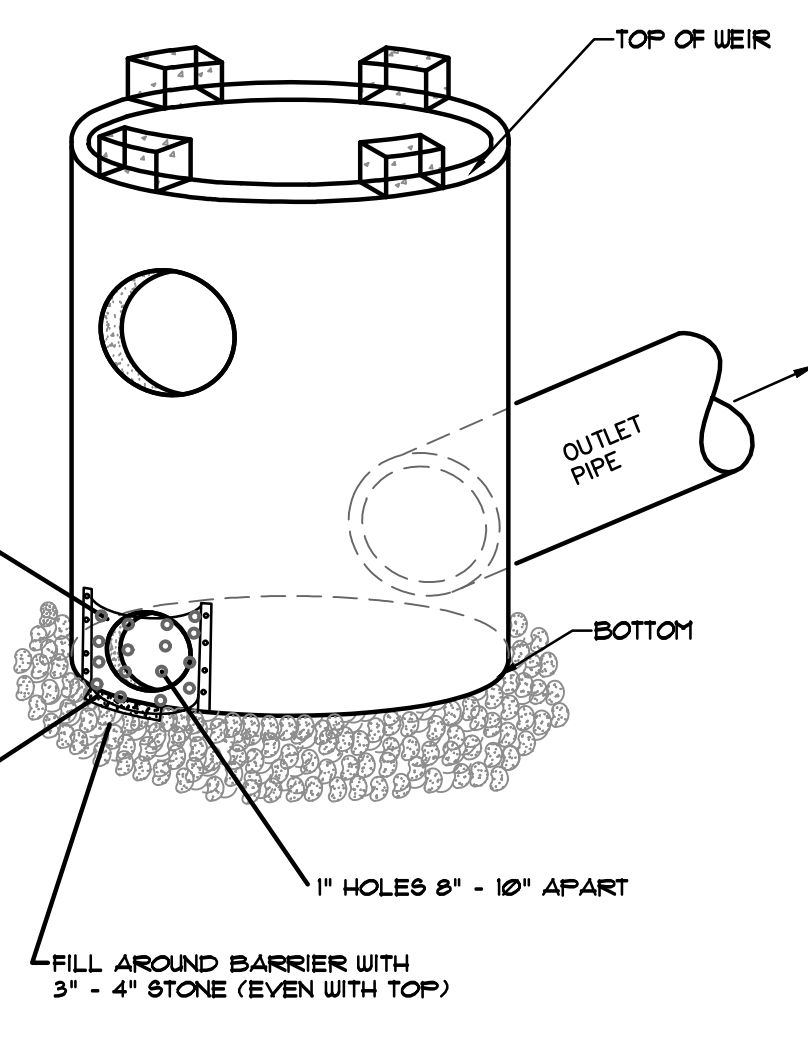


PERFORATED HALF-ROUND PIPE WITH STONE FILTER

Rt-P

STRUCTURE RETROFIT

POND 'A'



ISOMETRIC

POND 'B' Rt-P
 SEDIMENT STORAGE CALCULATIONS
 (TO BE SHOWN ON EROSION & SEDIMENT CONTROL PLAN)

POND 'A' STORAGE CALCULATIONS:

1. REQUIRED STORMWATER STORAGE = 86325 CY (As required by local ordinance)
2. REQUIRED SEDIMENT STORAGE = 48225 CY (ELEVATION: 123.0) (6.1 cy/ac x 6.75 ac disturbed area) (21.0 ACRES/4 PONDS)
3. TOTAL REQUIRED STORAGE = 86325 + 48225 = 13184 CY
4. AVAILABLE STORAGE = 2351 CY
5. IS THE AVAILABLE STORAGE (4) GREATER THAN THE TOTAL REQUIRED STORAGE (3)?
 X yes no
6. IF "no", THE SEDIMENT STORAGE CAPACITY OF THE POND MUST BE INCREASED. CHOOSE THE METHOD TO BE USED:
 RAISE THE INVERT OF THE OUTLET STRUCTURE ___ INCHES
 UNDERCUT THE POND ___ FEET
 OTHER: _____
7. CLEAN-OUT ELEVATION = 120.02 FT (elevation corresponding to 22 cy/ac x 6.75 ac disturbed area)
8. IS THE LENGTH-WIDTH RATIO 2:1 OR GREATER?
 X yes no
9. IF "no", THE LENGTH OF FLOW MUST BE INCREASED. CHOOSE THE METHOD TO BE USED:
 BAFFLES (Type of baffle: _____)
 OTHER: _____

NOTE THE CMP DIAMETER AND HEIGHT IF A HALF-ROUND CMP RETROFIT IS TO BE USED.
 Diameter = 60 inches Height = 3 feet

POND 'C' Rt-P
 SEDIMENT STORAGE CALCULATIONS
 (TO BE SHOWN ON EROSION & SEDIMENT CONTROL PLAN)

POND 'A' STORAGE CALCULATIONS:

1. REQUIRED STORMWATER STORAGE = 126441 CY (As required by local ordinance)
2. REQUIRED SEDIMENT STORAGE = 48225 CY (ELEVATION: 121.0) (6.1 cy/ac x 6.75 ac disturbed area) (21.0 ACRES/4 PONDS)
3. TOTAL REQUIRED STORAGE = 126441 + 48225 = 176666 CY
4. AVAILABLE STORAGE = 2242 CY
5. IS THE AVAILABLE STORAGE (4) GREATER THAN THE TOTAL REQUIRED STORAGE (3)?
 X yes no
6. IF "no", THE SEDIMENT STORAGE CAPACITY OF THE POND MUST BE INCREASED. CHOOSE THE METHOD TO BE USED:
 RAISE THE INVERT OF THE OUTLET STRUCTURE ___ INCHES
 UNDERCUT THE POND ___ FEET
 OTHER: _____
7. CLEAN-OUT ELEVATION = 120.02 FT (elevation corresponding to 22 cy/ac x 6.75 ac disturbed area)
8. IS THE LENGTH-WIDTH RATIO 2:1 OR GREATER?
 X yes no
9. IF "no", THE LENGTH OF FLOW MUST BE INCREASED. CHOOSE THE METHOD TO BE USED:
 BAFFLES (Type of baffle: _____)
 OTHER: _____

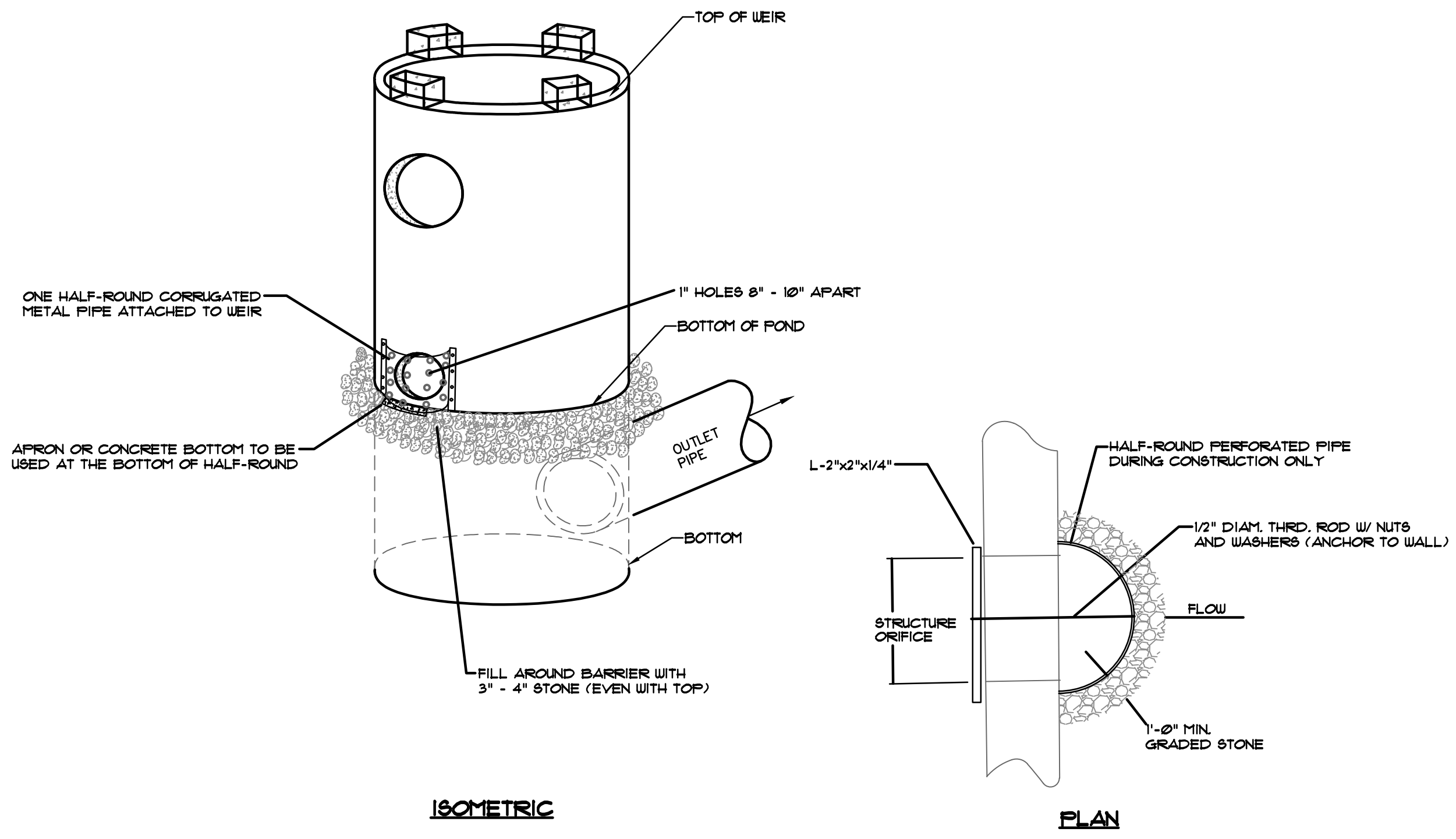
NOTE THE CMP DIAMETER AND HEIGHT IF A HALF-ROUND CMP RETROFIT IS TO BE USED.
 Diameter = 60 inches Height = 3 feet

POND 'D' Rt-P
 SEDIMENT STORAGE CALCULATIONS
 (TO BE SHOWN ON EROSION & SEDIMENT CONTROL PLAN)

POND 'A' STORAGE CALCULATIONS:

1. REQUIRED STORMWATER STORAGE = 138441 CY (As required by local ordinance)
2. REQUIRED SEDIMENT STORAGE = 48225 CY (ELEVATION: 113.0) (6.1 cy/ac x 6.75 ac disturbed area) (21.0 ACRES/4 PONDS)
3. TOTAL REQUIRED STORAGE = 138441 + 48225 = 382666 CY
4. AVAILABLE STORAGE = 2341 CY
5. IS THE AVAILABLE STORAGE (4) GREATER THAN THE TOTAL REQUIRED STORAGE (3)?
 X yes no
6. IF "no", THE SEDIMENT STORAGE CAPACITY OF THE POND MUST BE INCREASED. CHOOSE THE METHOD TO BE USED:
 RAISE THE INVERT OF THE OUTLET STRUCTURE ___ INCHES
 UNDERCUT THE POND ___ FEET
 OTHER: _____
7. CLEAN-OUT ELEVATION = 116.02 FT (elevation corresponding to 22 cy/ac x 6.75 ac disturbed area)
8. IS THE LENGTH-WIDTH RATIO 2:1 OR GREATER?
 X yes no
9. IF "no", THE LENGTH OF FLOW MUST BE INCREASED. CHOOSE THE METHOD TO BE USED:
 BAFFLES (Type of baffle: _____)
 OTHER: _____

NOTE THE CMP DIAMETER AND HEIGHT IF A HALF-ROUND CMP RETROFIT IS TO BE USED.
 Diameter = 60 inches Height = 3 feet

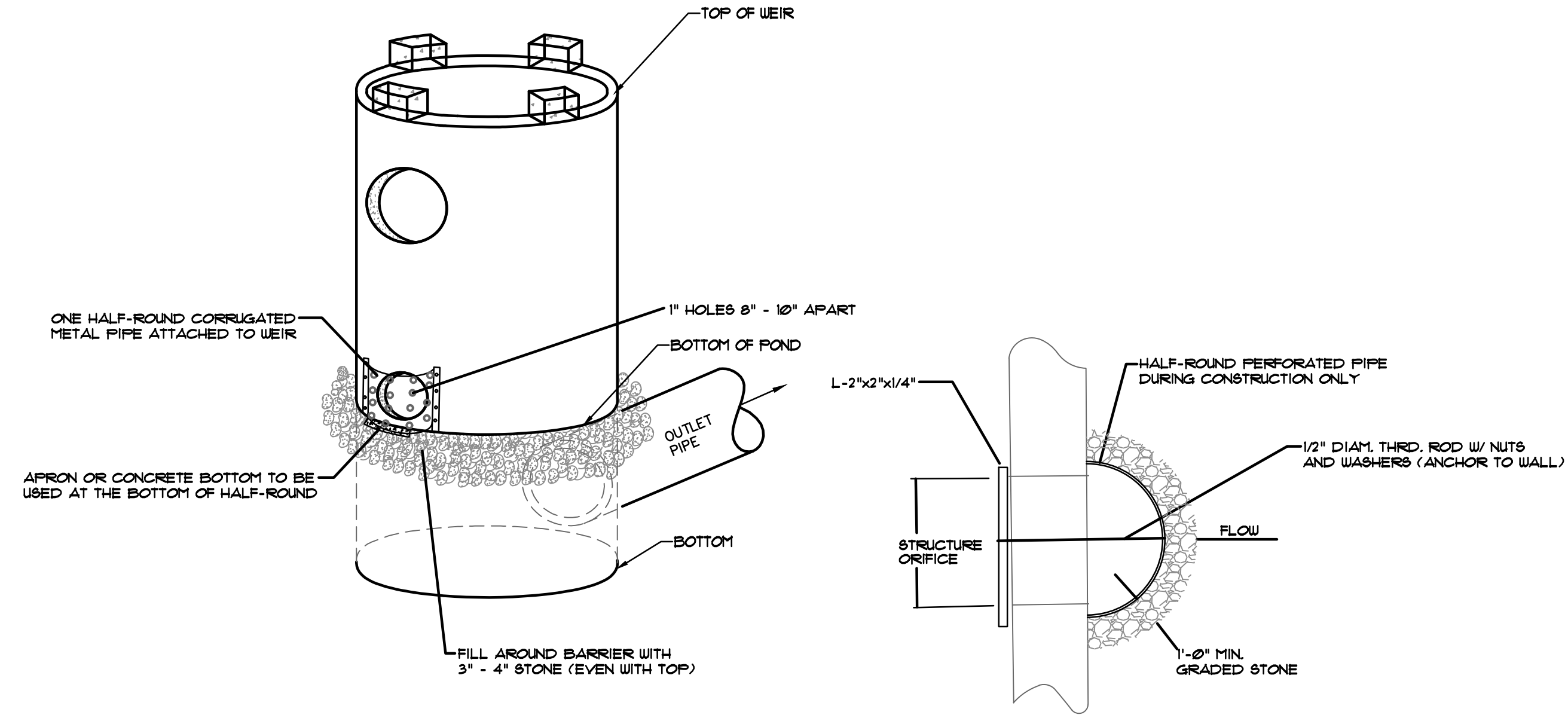


PERFORATED HALF-ROUND PIPE WITH STONE FILTER

Rt-P

STRUCTURE RETROFIT

POND 'B'

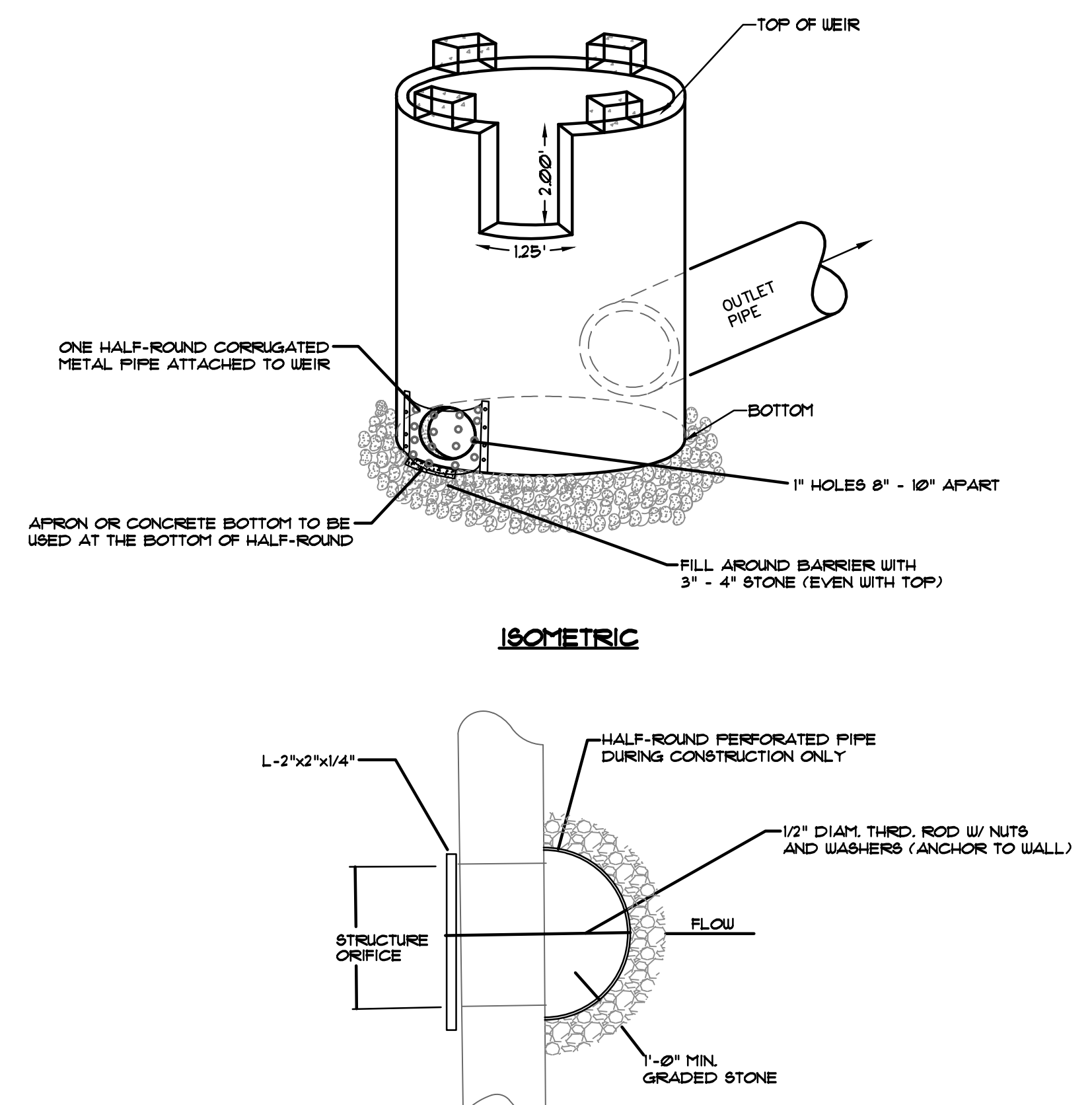


PERFORATED HALF-ROUND PIPE WITH STONE FILTER

Rt-P

STRUCTURE RETROFIT

POND 'C'



PERFORATED HALF-ROUND PIPE WITH STONE FILTER

Rt-P

STRUCTURE RETROFIT

POND 'D'