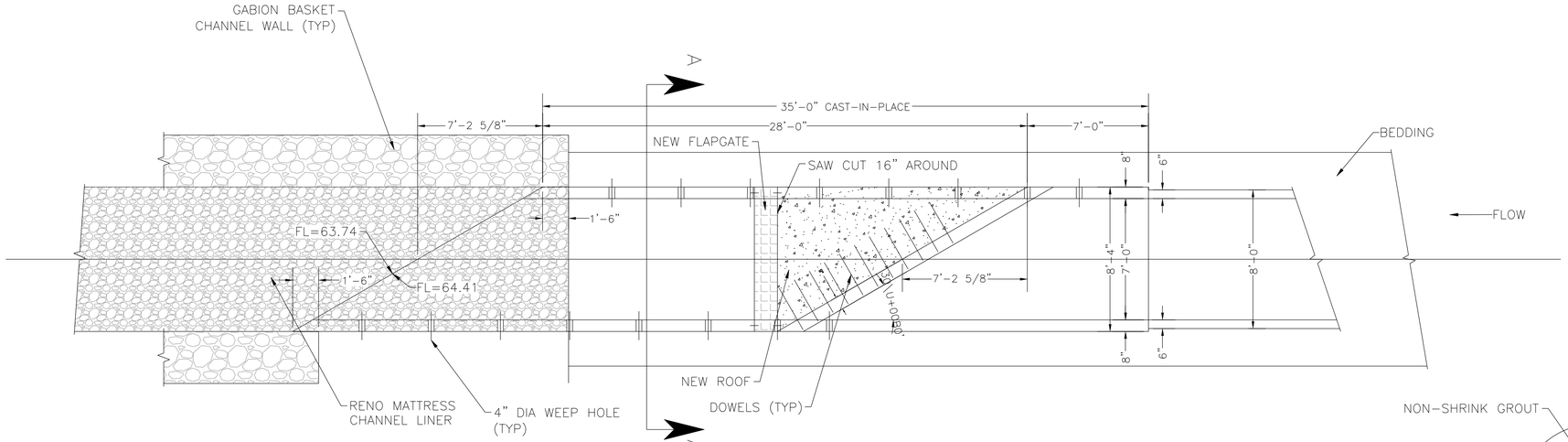
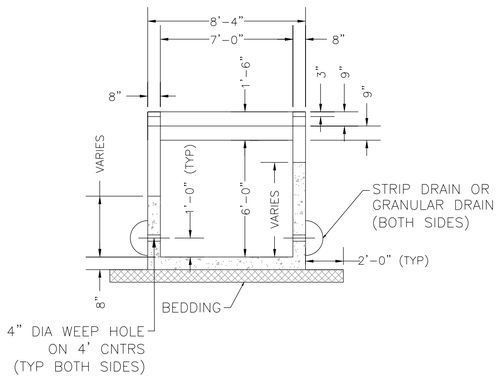
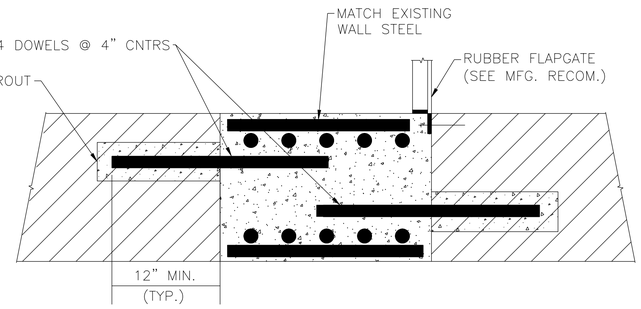


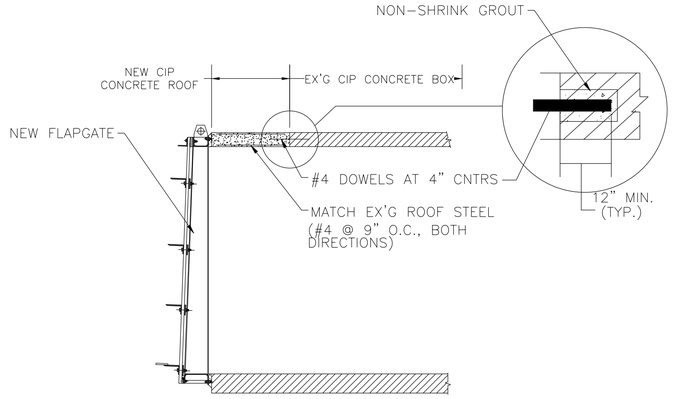

PLAN VIEW–EXISTING BOX CULVERT
NOT TO SCALE




SECTION A–A
NOT TO SCALE



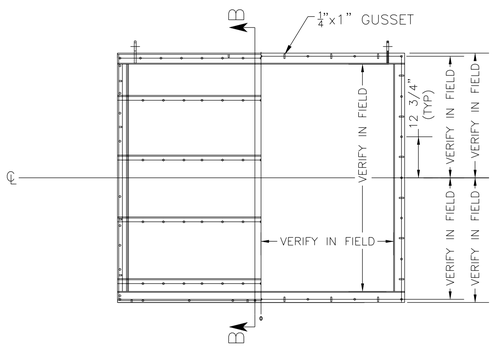

DETAIL AT SAWCUT AREA
(AROUND BOX CULVERT BARREL PERIMETER)
NOT TO SCALE



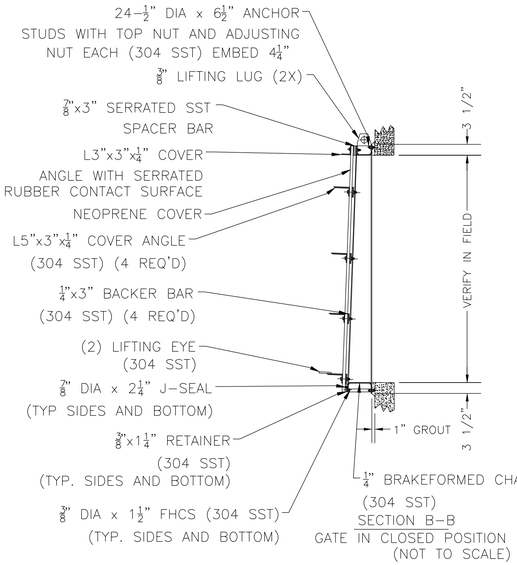

SECTION ALONG CENTERLINE OF BOX
NOT TO SCALE

INSTALLATION NOTES:
1. PROVIDE SHORING/SUPPORT WHERE SAW CUT WILL OCCUR ON VERTICAL SURFACES.
2. SAW CUT 16" THROUGH, ALL AROUND BOX CULVERT. LOCATE BACK SIDE OF CUT MINIMUM OF 6" DOWNSTREAM OF EASTWALL INTERSECTION WITH HUBGUARD.
3. INSTALL CUSTOM FIT FLEXIBLE RUBBER FLAPGATE PER MANUFACTURING RECOMMENDATIONS. CUSTOM FIT FLEXIBLE RUBBER FLAPGATE WILL BE FABRICATED TO FIELD MEASUREMENTS TO ACCOUNT FOR POSSIBLE WALL MOVEMENTS AND CAST-IN-PLACE WALL CONSTRUCTION TOLERANCES. LEAD TIME FOR FLAPGATE MANUFACTURING IS ANTICIPATED TO BE APPROXIMATELY 14 WEEKS.
4. REPLACE CONCRETE WALLS AND SLAB, MATCHING EXISTING REINFORCING STEEL.
5. INSTALL NEW BOX CULVERT ROOF EXTENSION TO BACK OF NEW FLAPGATE, MATCHING EXISTING ROOF STEEL AND DOWELING AS REQUIRED (MAINTAIN EXISTING HUBGUARD).

GENERAL NOTES:
1. EAST WALL DRAWINGS BASED ON DRAWINGS PROVIDED BY BAUGHMAN COMPANY DATED MARCH 2004.
2. FLAPGATE DETAILS BASED ON DRAWINGS PROVIDED BY HYDROGATE DATED OCTOBER 6, 2009.
3. DRAWING BASED ON DESIGN DRAWINGS, NOT AS-BUILT DRAWINGS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING COMPONENTS (TO INCLUDE CONCRETE DIMENSIONS AND STEEL REINFORCEMENT) PRIOR TO FABRICATING FLAP GATE.
4. ALL LABOR AND MATERIALS REQUIRED TO CONSTRUCT FUNCTIONING FLAP GATE SHALL BE SUBSIDIARY TO THIS ITEM.




FLAP GATE FRONT VIEW
GATE IN CLOSED POSITION
NOT TO SCALE




SECTION B–B
GATE IN CLOSED POSITION
(NOT TO SCALE)

STUD ANCHOR DETAIL
NOT TO SCALE

84" X 72" FLEXIBLE RUBBER FLAP GATE (WALL MOUNTED)
NOT TO SCALE

| MARK | DESCRIPTION | DATE | APPR. |
|---|---|---|---|

amec
AMEC Earth & Environmental, Inc.
1129 SW Wanamaker
Topeka, Kansas 66604
Phone: (785) 272-4630
Fax: (785) 272-4678

CITY OF WICHITA

LEVEE "P"
WICHITA-VALLEY CENTER LOCAL FLOOD PROTECTION PROJECT
WICHITA, KANSAS

PREPARED FOR
THE CITY OF WICHITA, KANSAS
455 N. Main
Wichita, KS 67202

DON W. DOTSON LICENSED 19964 12/24/09 KANSAS PROFESSIONAL ENGINEER

| DESIGNED BY: Don W. Dotson, P.E. | | DATE: 2009/Oct/26 |
|---|---|---|
| DWN BY: Staff | CKD BY: DWD | APP BY: MG |
| FILE NAME: 561500000-C-SP-217.dgn | | |
| AMEC PROJ. NO. 5-6150-0000 | | |

BOX CULVERT FLAP GATE DETAIL

SP-2.17

SHEET 23 OF 65