GENERAL NOTES

FORCES BACKFILL WITH FILTER FABRIC 1'-0" THICK SHALL BE PLACED BEHIND THE WINGWALLS ONLY AND EXTEND TO 6" BELOW THE EMBANKMENT SURFACE. GROSGRAIN FABRIC SHALL BE PLACED BETWEEN THE FORCES BACKFILL AND REPLACED EXCAVATION ADJACENT TO THE STRUCTURE. IT SHALL TURN UNDER THE BOTTOM OF THE FORCES BACKFILL AND RETURN 6" ABOVE THE TOP ELEVATION OF THE WEEPHOLE.

WEEPHOLES SHALL BE PLACED 6" TO 10" ABOVE THE NORMAL WATER ELEVATION ON GROUND LINE AND SHALL HAVE A MAXIMUM SPACING OF 30'-0". A MINIMUM OF ONE WEEPHOLE SHALL BE PROVIDED FOR EACH WINGWALL.

PREFORMED EXPANSION JOINT FILLER, PREFORMED EXPANSION JOINT INSERTS. A 1" THICK STRIP SHALL BE PLACED ALONG THE FOOTING BETWEEN THE SIDES OF THE MIDDLE CULVERT AND THE ENDS OF THE WINGWALLS. PAYMENT FOR MATERIALS AND INSTALLATION SHALL BE INCLUDED WITH ITEM 516 - 1" PREFORMED EXPANSION JOINT FILLER.

SEALING OF BOX CULVERT AND FORESLOPE WALL ALL EXPOSED. FORESLOPE WALL AND PRECAST BOX CULVERT OUTLET BEVEL SHOWN. LIMITS OF ITEM 512 - SEALING CONCRETE SURFACES

LIMITS OF ITEM 512- SEALING CONCRETE SURFACES

B - SEAL ENTIRE CONCRETE SURFACE AREA
NOTES

1. FOR CULVERT LOCATION PLAN, SEE SHEET xx/xx.
2. FOR PRECAST BOX CULVERT DETAILS, SEE SHEET xx/xx.
3. THE BAR SIZE NUMBER IS SPECIFIED ON THE PLANS IN THE BAR MARK COLUMN. THE FIRST DIGIT INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE, WW5 IS A NO.5 BAR. BAR DIMENSIONS SHOWN ARE OUT TO THE BAR SIZE NUMBER. FOR EXAMPLE, WW501 IS A 2'-5" FOR #5 BARS; 2'-11" FOR #6 BARS.
4. THE LAP SPLICE LENGTHS USED IN THESE DETAILS ARE AS FOLLOWS: 2'-5" FOR #5 BARS; 2'-11" FOR #6 BARS.
5. THE BAR SIZE NUMBER IS SPECIFIED ON THE PLANS AS FOLLOWS: 2'-5" FOR #5 BARS; 2'-11" FOR #6 BARS.

LEGEND:

C.J.  CONSTRUCTION JOINT  N.F.  NEAR FACE
C.V.  CLEAR  T.B.  BOTTOM
DIA.  DIAMETER  TYP.  TYPICAL
D.F.  DIA.  FITTING  INC.  INCREMENT
F.F.  FAR FACE  TOP AND BOTTOM
F.R.  FAR RADIUS
MIN.  MINIMUM  TRB  TRB
MAX.  MAXIMUM
N.F.  NEAR FACE  TYP.  TYPICAL
P.E.F.  PREFORMED EXPANSION  INC.  INCREMENT
P.C.F.  PREFORMED JOINT FILLER

IF SPAN > 12', DESIGN HERE
CULVERT REINFORCING
INSERT DRT BOX
CULVERT REINFORCING
DESIGN HERE
IF SPAN > 12',

TYPE-1
TYPE-2
TYPE-3
TYPE-4
TYPE-5
TYPE-6
TYPE-7
NOTES

1. FOR CULVERT LOCATION PLAN, SEE SHEET xx/xx.
2. FOR PRECAST BOX CULVERT DETAILS, SEE SHEET xx/xx.
3. THE BAR SIZE NUMBER IS SPECIFIED ON THE PLANS.
4. THE LAP SPLICE LENGTHS USED IN THESE DETAILS ARE AS FOLLOW: 2'-5" FOR #5 BARS; 2'-11" FOR #6 BARS.
5. ALL REINFORCING STEEL SHALL BE EPOXY COATED.

AS FOLLOWS: 2'-5" FOR #5 BARS; 2'-11" FOR #6 BARS.

THE LAP SPLICE LENGTHS USED IN THESE DETAILS ARE SPECIFIED ON THE PLANS.

1' PEJF AT (TYP.)

CUTOFF WALL

FOOTING

WINGWALL

LEGEND:

C.J. CONSTRUCTION JOINT
C.D. CLEAR DIA.
DIA. DIAMETER
F.F. EACH FACE
F.F. FAR FACE
F.P. FOCUSED EXPANSION JOINT FILLER
N.F. NEAR FACE
S.E. SERIES
S.T. STRAIGHT
T.B. TOP AND BOTTOM
IN. INCREMENT

FOOTING PLAN

WINGWALL ELEVATION

(CUT OFF WALL)

SECTION A-A

(POROUS BACKFILL NOT SHOWN FOR CLARITY)

SECTION B-B

(FOOTING NOT SHOWN)
NOTES

1. FOR CULVERT LOCATION PLAN, SEE SHEET xxx/xx.

2. FOR PRECAST BOX CULVERT DETAILS, SEE SHEET xxx/xx.

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2. FOR PRECAST BOX CULVERT DETAILS, SEE SHEET xxx/xx.

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