CONCRETE HEADWALL DETAIL

ADJUST PIPE ALIGNMENT TO FIT WALL OPENING

EXTEND PIPE 6" BEYOND FACE OF BLOCK

PROVIDE RIP-RAP EROSION PROTECTION

PLAN VIEW

CROSS SECTION

ELEVATION

CONCRETE HEADWALL

6"

18"

18"

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CORE OPENING FOR PIPE THROUGH BLOCK

PROVIDE #6 BAR T&B IN FRONT AND REAR FACES AROUND OPENING

PROVIDE EROSION PROTECTION

FACE ELEVATION

SECTION THROUGH WALL

CORED PIPE OUTLET

NOT TO SCALE

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NOTE:
WAVE AND ICE CONSIDERATIONS SHOULD BE EVALUATED TO DETERMINE THE MINIMUM BORDER HEIGHT AND RIPRAPH REQUIREMENTS. EROSION OF THE BASE AND WAVE OVERTOPPING CAN DESTABILIZE THE BORDER. ICE LOADS MAY ALSO CONTROL THE DESIGN.

POND BORDER WALL
CONCRETE BASE

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**POND BORDER WALL**

**ROCK BASE**

**NOT TO SCALE**

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DETENTION WALL CROSS SECTION

NOTE: NON-STANDARD APPLICATION — REQUIRES ADAPTATION TO SPECIFIC PROJECT.

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SPILLWAY ELEVATION

NOT TO SCALE

NOTE:
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CONCRETE COPING DETAIL

NOT TO SCALE

CONCRETE BARRIER & TIE BARS PER BARRIER DETAILS

#6 BENT DOWEL BAR @ 48" o.c.

#4 BAR CONTINUOUS

CENTER ADDITIONAL #4 BAR WHERE HEIGHT OF COPING EXCEEDS 24"

4"±

#4 BAR CONTINUOUS

TOP OF WALL (PER SCHEDULE)

LIFTING/ALIGNMENT LOOP

COPING WIDTH

24"

BASE COURSE

T MIN. \ T MAX.

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STONE STRONG SYSTEMS
www.stonestrong.com

STONE STRONG SYSTEMS
MISC. APPLICATIONS
DATE: 2/10/16
FILE: 08_BARRIER.COPING
CAST--IN--PLACE CONCRETE
BRIDGE SEAT/BACKWALL

TOP OF WALL/BRIDGE
SEAT ELEVATION

STONE STRONG
24SF RETAINING
WALL TOP UNIT

AUTOMATIC SET BACK
(4" PER UNIT)

STONE STRONG
24SF RETAINING
WALL UNIT

REINFORCEMENT IN EACH STONE
STRONG UNIT BLOCK CELL.
FILL EACH CELL FULL w/
4,000 PSI CONCRETE.

TOP OF CONCRETE
FOOTING ELEVATION
GRADE

BRIDGE ABUTMENT SECTION
NOT TO SCALE

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LIGHT POLE

FORM POLE BASE ABOVE TOP UNIT

STONE STRONG 24SF TOP UNIT

STIRRUPS

REINFORCING

WALL BASE (SEE DETAIL)

FORM 20mm CHAMFER FULL AROUND

FILL VOIDS w/CONCRETE FULL HEIGHT OF WALL

FORM ACROSS OPENING

STIRRUPS

REINFORCING

BOLTS PER ELECTRICAL (EXTENDED INTO UNIT BELOW)

24 SF UNIT LIGHT POLE
NOT TO SCALE

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