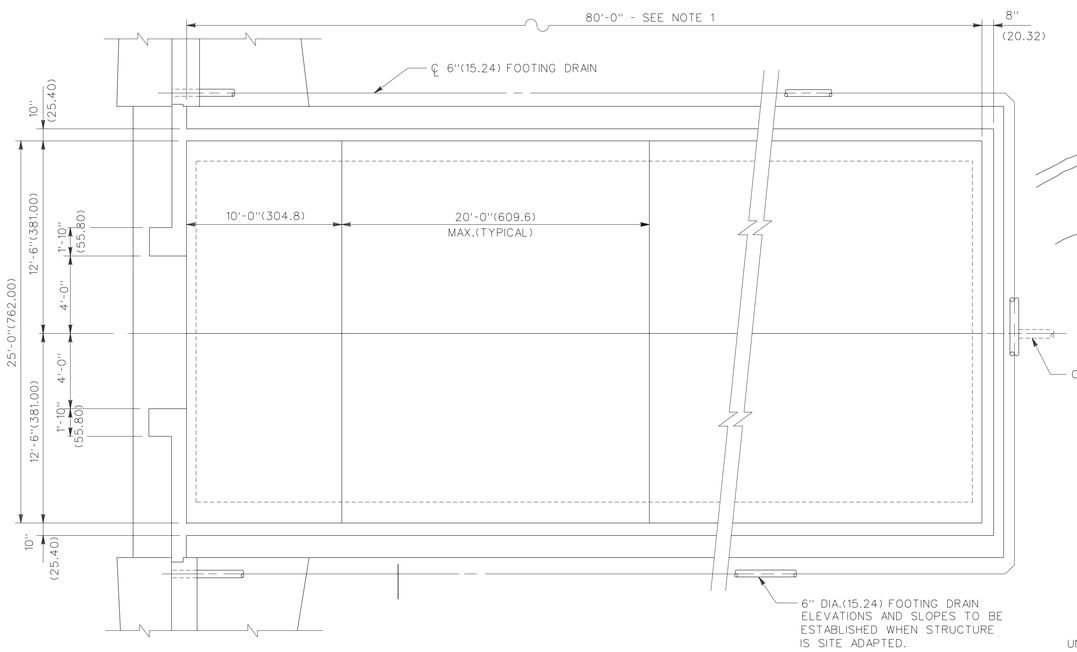
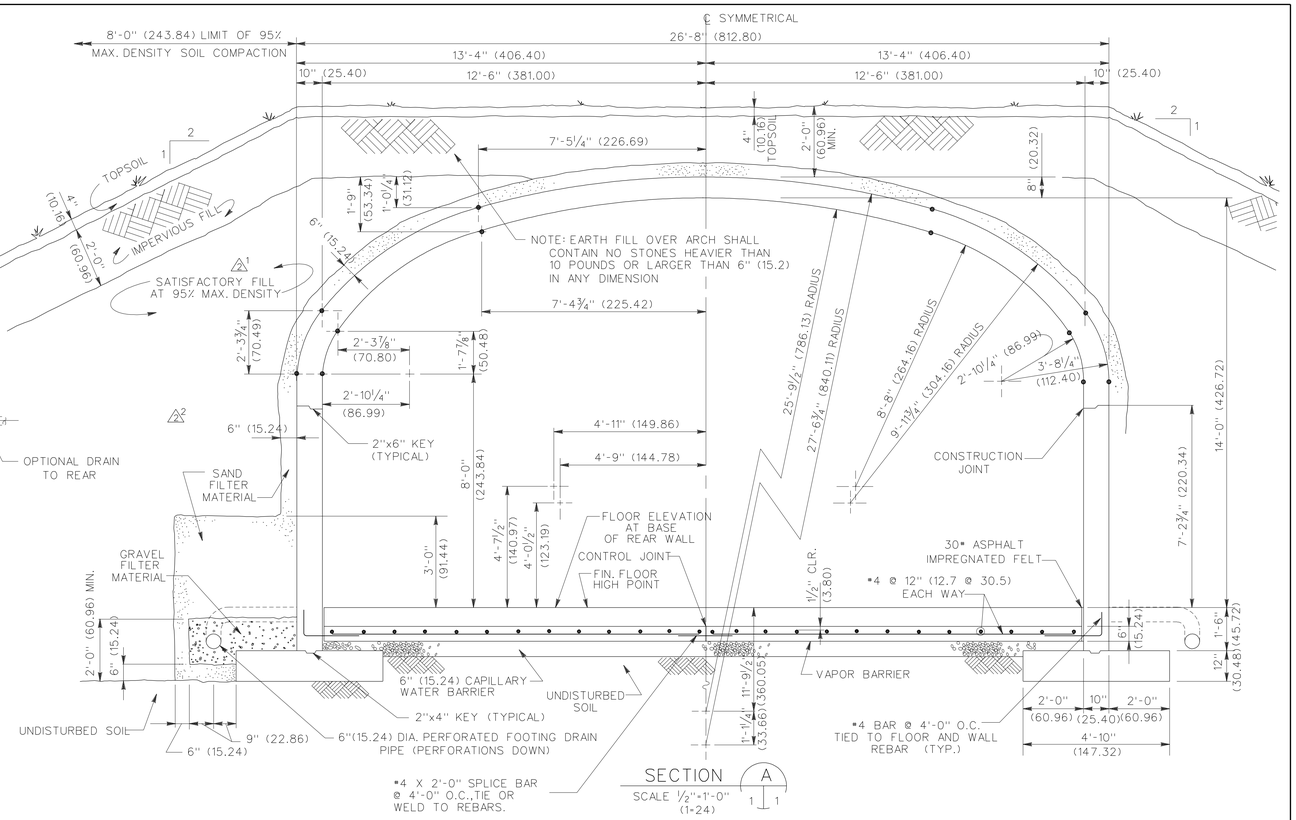


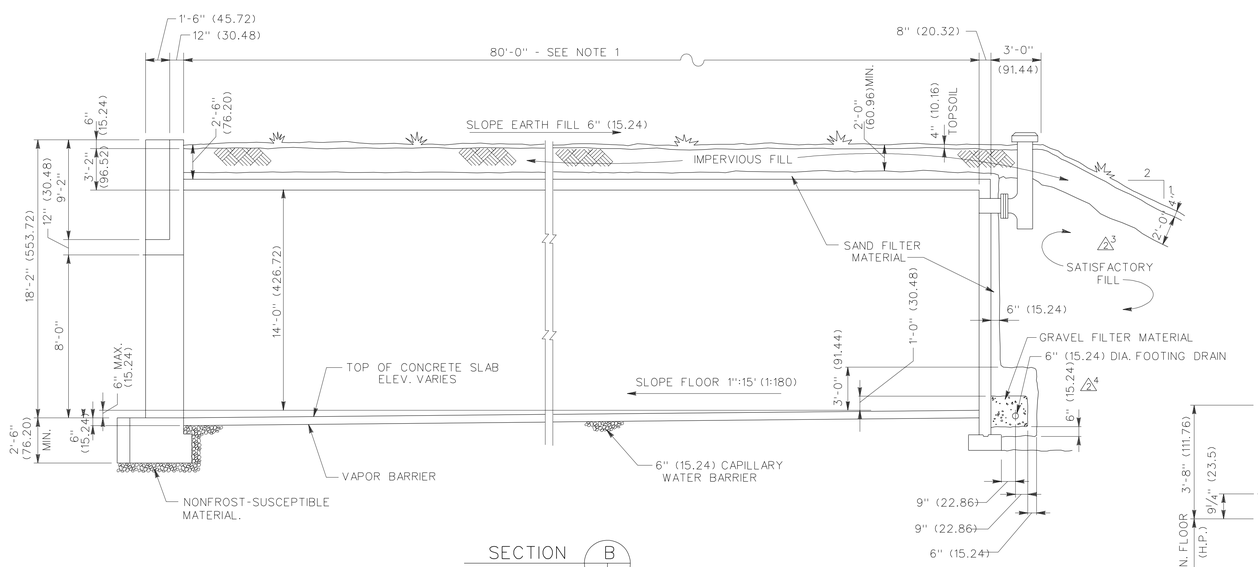
PLAN

SCALE: 1/4"=1'-0" (1=48)



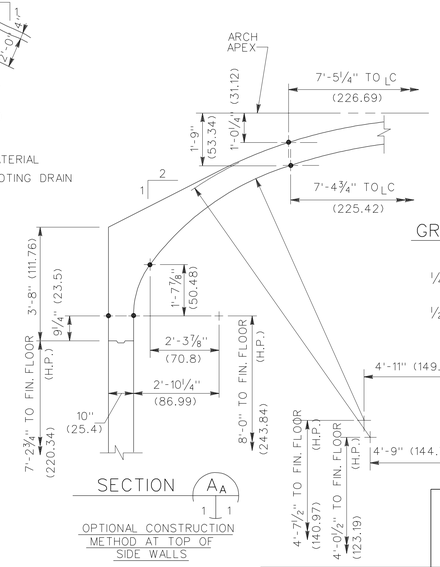
SECTION A

SCALE ½"=1'-0" (1=24)



SECTION B

SCALE: 1/4"=1'-0" (1=48)



SECTION A_A

OPTIONAL CONSTRUCTION METHOD AT TOP OF SIDE WALLS

NOTES:

1. MAXIMUM LENGTH WITH FLOOR SLOPE: 80'-0".
2. 8'-0" x 8'-0" DOOR OPENING.
3. CONCRETE SHALL HAVE 28 DAY ULTIMATE STRENGTH (f'c) OF 4,000 P.S.I.
4. REINFORCING STEEL SHALL BE ASTM A615 WITH THE FOLLOWING GRADES:
   TIES -GRADE 40
   ALL OTHERS -GRADE 60
5. DIMENSIONS SHOWN IN PARENTHESES ARE CENTIMETERS UNLESS OTHERWISE NOTED.(FOR INFO ONLY) ALL REBAR METRIC SIZES ARE IN MILLIMETERS.
6. DRAINS TO BE SITE ADAPTED TO DRAIN EITHER TO THE FRONT OR REAR OF THE MAGAZINE.
7. REINFORCING STEEL AND ALL METAL SHALL BE MADE ELECTRICALLY CONTINUOUS BY TYING OR WELDING.
8. AS AN OPTION, A NUMBER OF DRAINAGE COMPOSITE SYSTEMS THAT USES A FILTER FABRIC BONDED TO A DRAINAGE MAT MAY BE SUBSTITUTED FOR THE SAND AND GRAVEL FILTER SYSTEM AS SHOWN. SEE SPECIFICATION SECTION 2C.

GRAPHIC SCALES:

¼" = 1'-0" 5' 0 5'

½" = 1'-0" 4' 5'

SYMBOL	DESCRIPTION	DATE	APPROVAL
3	REV'D. TO TIE REBARS FOR LIGHTNING PROTECTION	17OCT97	WAW
2 5	GENERAL REVISIONS	30JUN90	AF
1	GENERAL REVISIONS/SIMONS-EASTERN CO.	19JUL84	JYM

BLACK & VEATCH
CONSULTING ENGINEERS
KANSAS CITY, MISSOURI

DEPARTMENT OF THE ARMY
OFFICE OF THE CHIEF OF ENGINEERS
MILITARY CONSTRUCTION - ENGINEERING DIVISION
WASHINGTON, D.C.

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CHIEF ADV. TECH. BR.

MAGAZINE, CONCRETE OVAL-ARCH, EARTH COVERED

PLAN AND SECTIONS

APPROVED: LEE S. GARRETTE
CHIEF ENGINEERING DIVISION MIL. PROGR., O.C.E.
DATE: 11APR79

APPROVED BY _____ FOR THE DEPARTMENT OF THE NAVY
DATE _____

APPROVED BY _____ FOR THE DEPARTMENT OF THE AIR FORCE
DATE _____

U. S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
HUNTSVILLE, ALABAMA

APPROVED FOR:
DATE: _____

SCALE:
SPEC. NO.
DRAWING NUMBER 33-15-74R
SHEET 1 OF 8

THIS MAGAZINE HAS BEEN ADAPTED FROM 33-15-74 AND CLASSIFIED AS NON-STANDARD 3 BAR MAGAZINE

NSM74S1.DGN