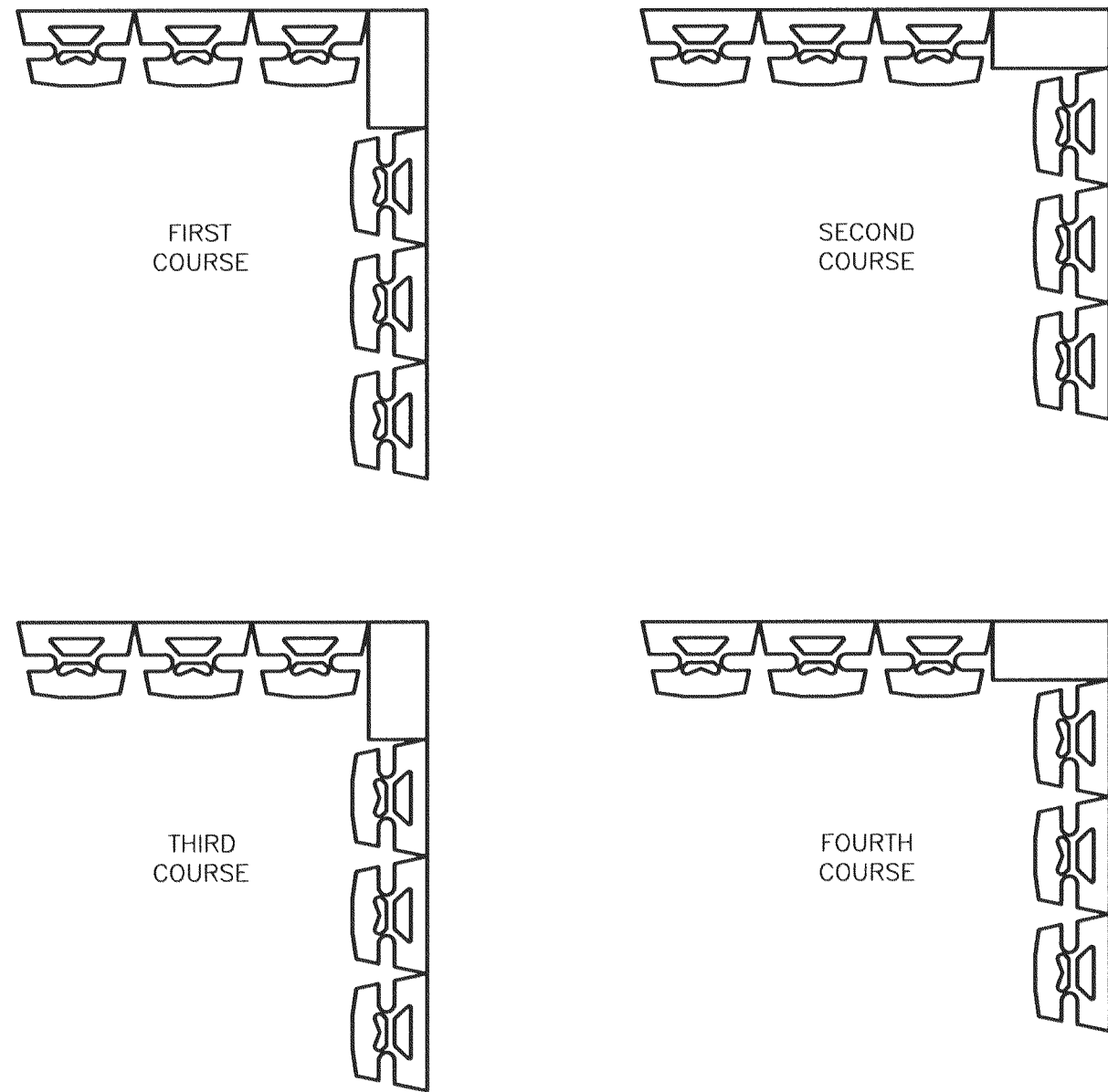
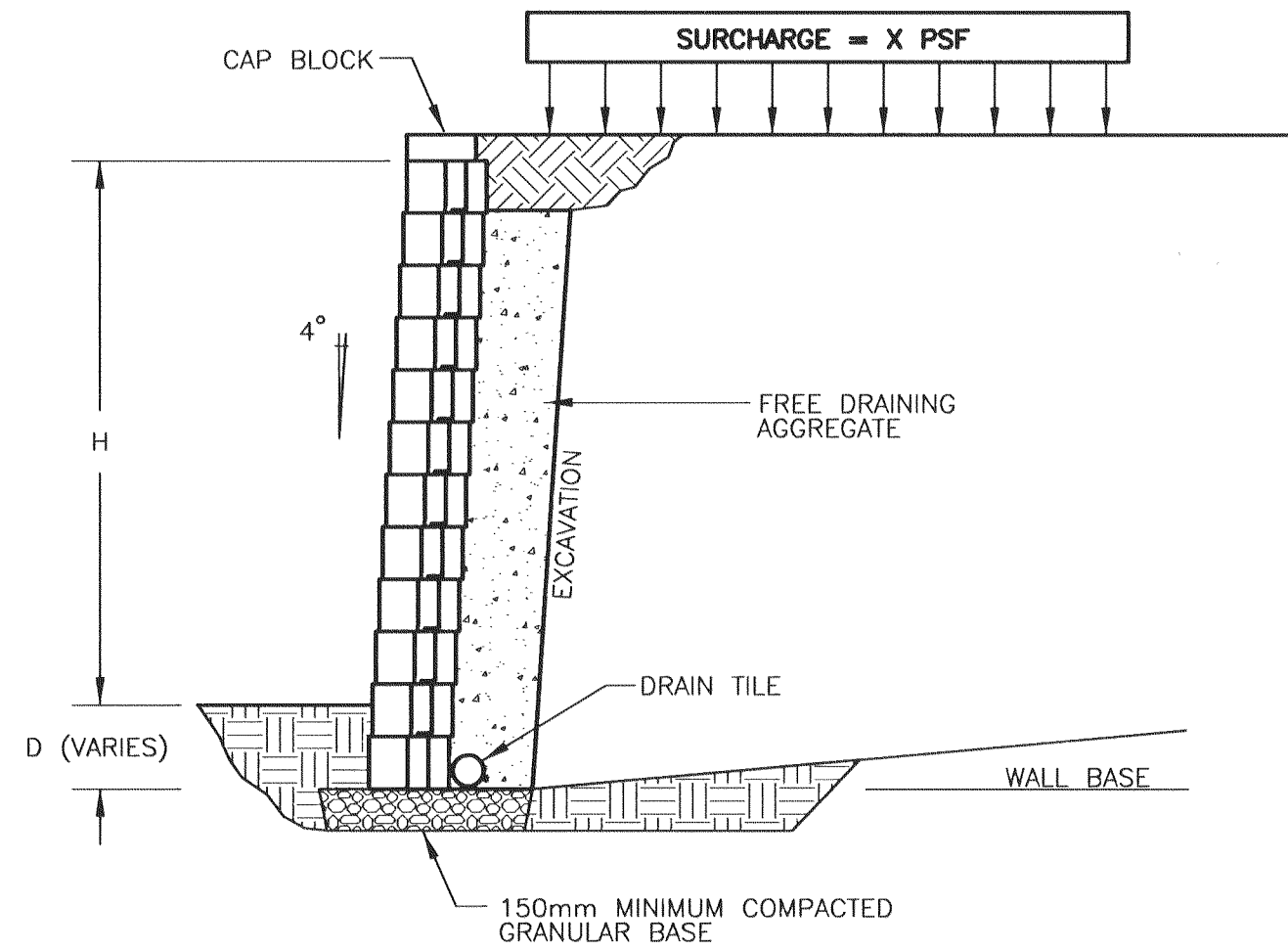


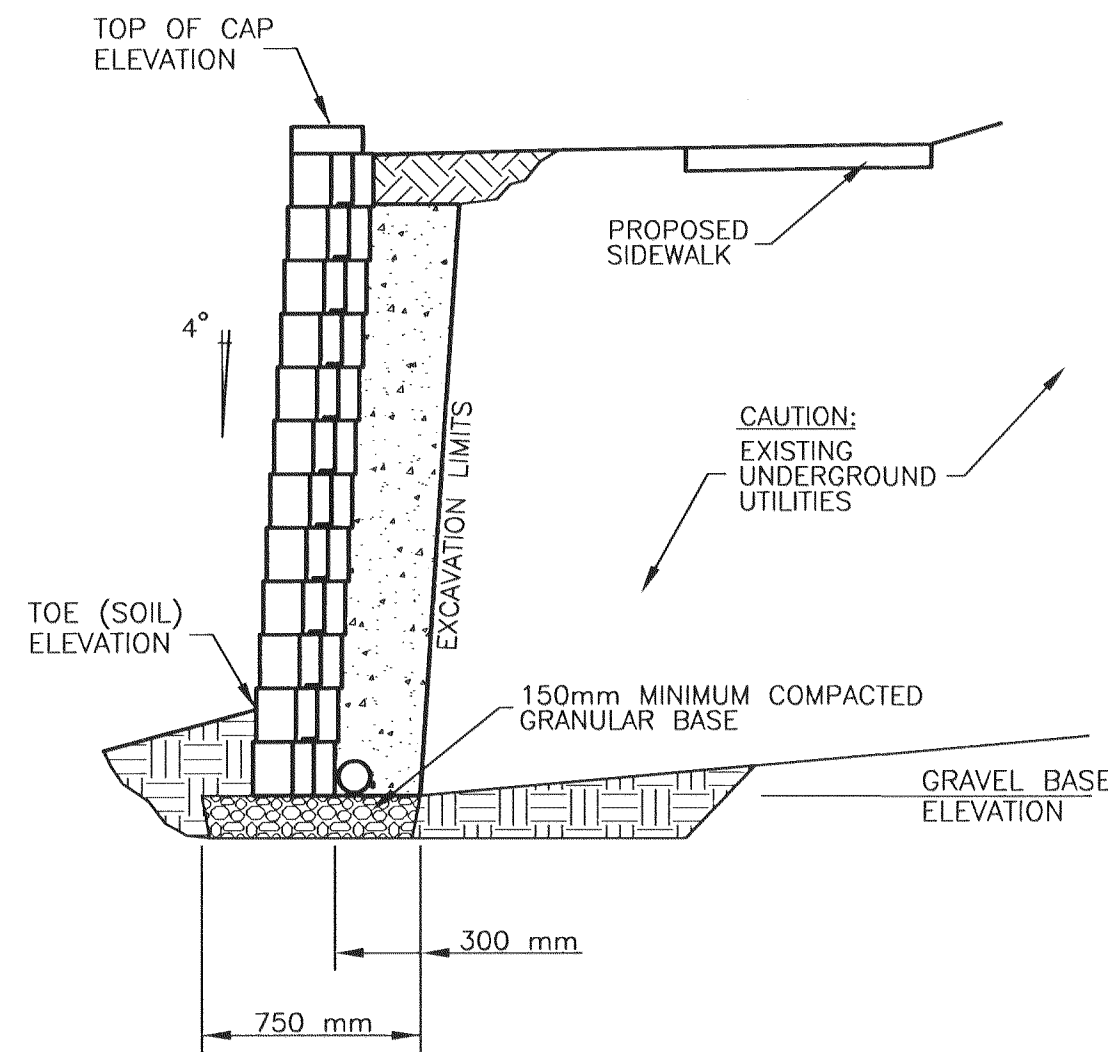
FHWA REGION NO.	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER	TOTAL SHEETS
7	KANSAS	87TE 0195-01	2003	32	



ANCHOR VERTICA – STRAIGHT UNITS
TYPICAL 90° OUTSIDE CORNERS



ANCHOR VERTICA – SURCHARGE BEHIND WALL



ANCHOR VERTICA – DIMENSIONS

ANCHOR WALL DESIGN DETAILS

STRUCTURE SUMMARY

WALL TYPE: GRAVITY STRUCTURE
ANCHOR WALL UNIT TYPE: ANCHOR VERTICA (200mm)
CAP UNIT: YES
REINFORCEMENT: NONE

DESIGN SUMMARY

DESIGN METHOD: NCMA

SOIL DATA

RETAINED SOIL: BROWN SILT LOAM
LEVELING PAD SOIL: GRAVEL
FOUNDATION SOIL: BROWN SILTY CLAY LOAM

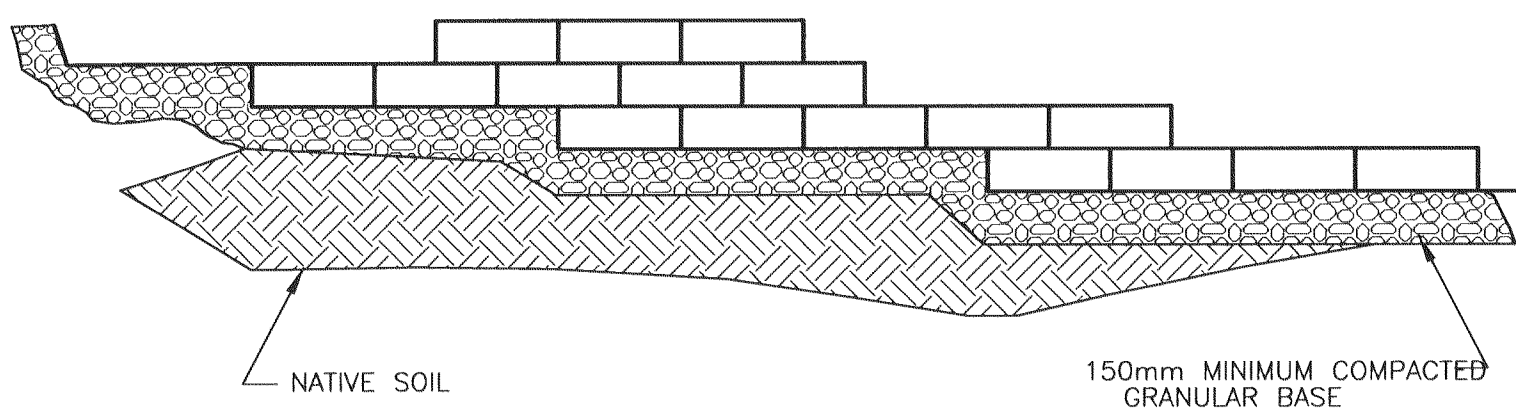
ANCHOR WALL UNITS

STANDARD UNITS
UNIT HEIGHT (mm): 203
UNIT WIDTH (mm): 292
UNIT LENGTH (mm): 457.2
SETBACK (mm): 14.27
WEIGHT (infield) (kg): 56.7
UNIT WEIGHT (infield) (kN/m^3): 20.5
CENTER OF GRAVITY (mm): 146.1

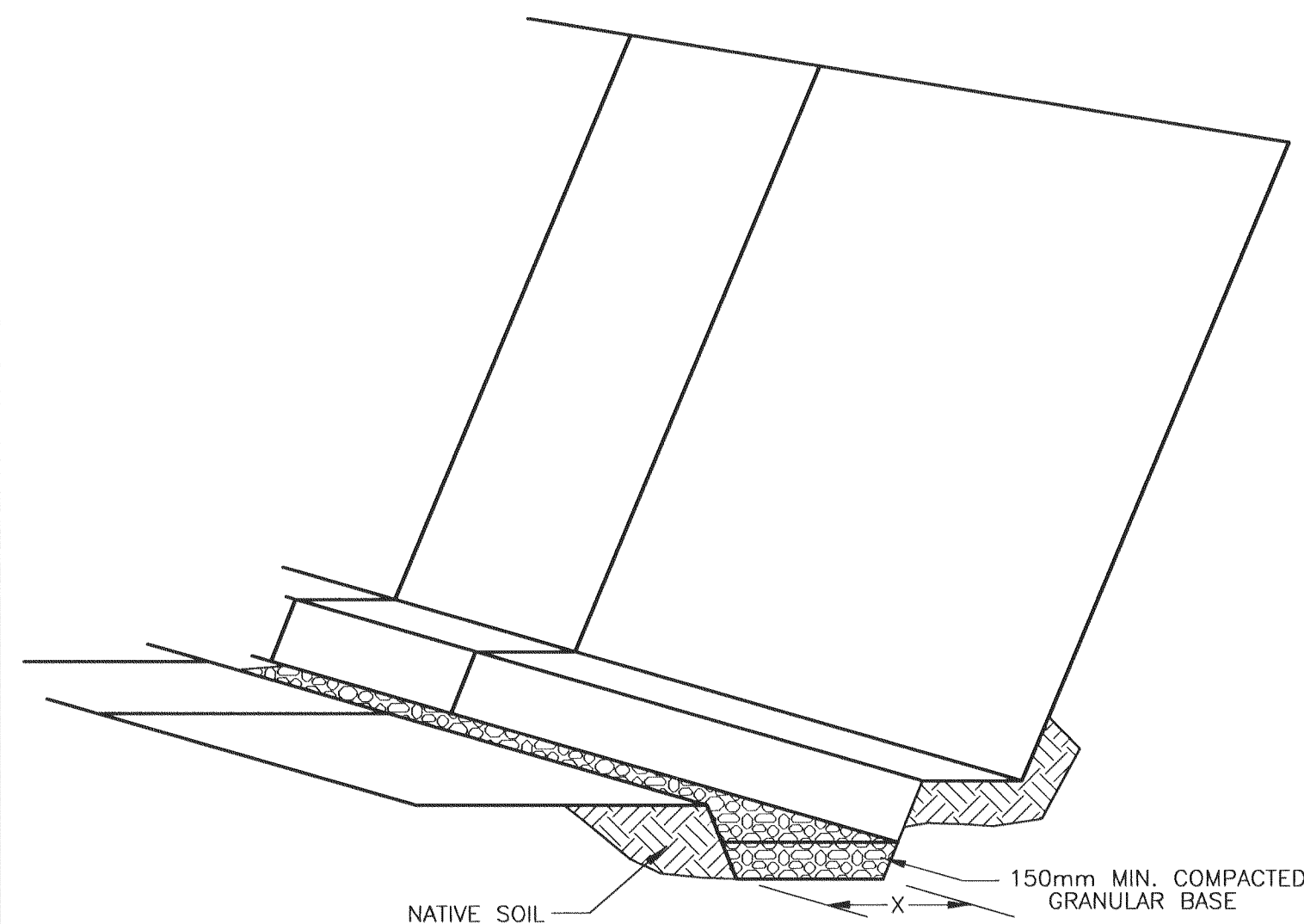
CAP UNITS

UNIT HEIGHT (mm): 102
UNIT WIDTH (mm): 254
UNIT LENGTH (mm): 371.6
SETBACK (mm): NONE
WEIGHT (infield) (kg): 19.1
UNIT WEIGHT (infield) (kN/m^3): 19.48
CENTER OF GRAVITY (mm): 127

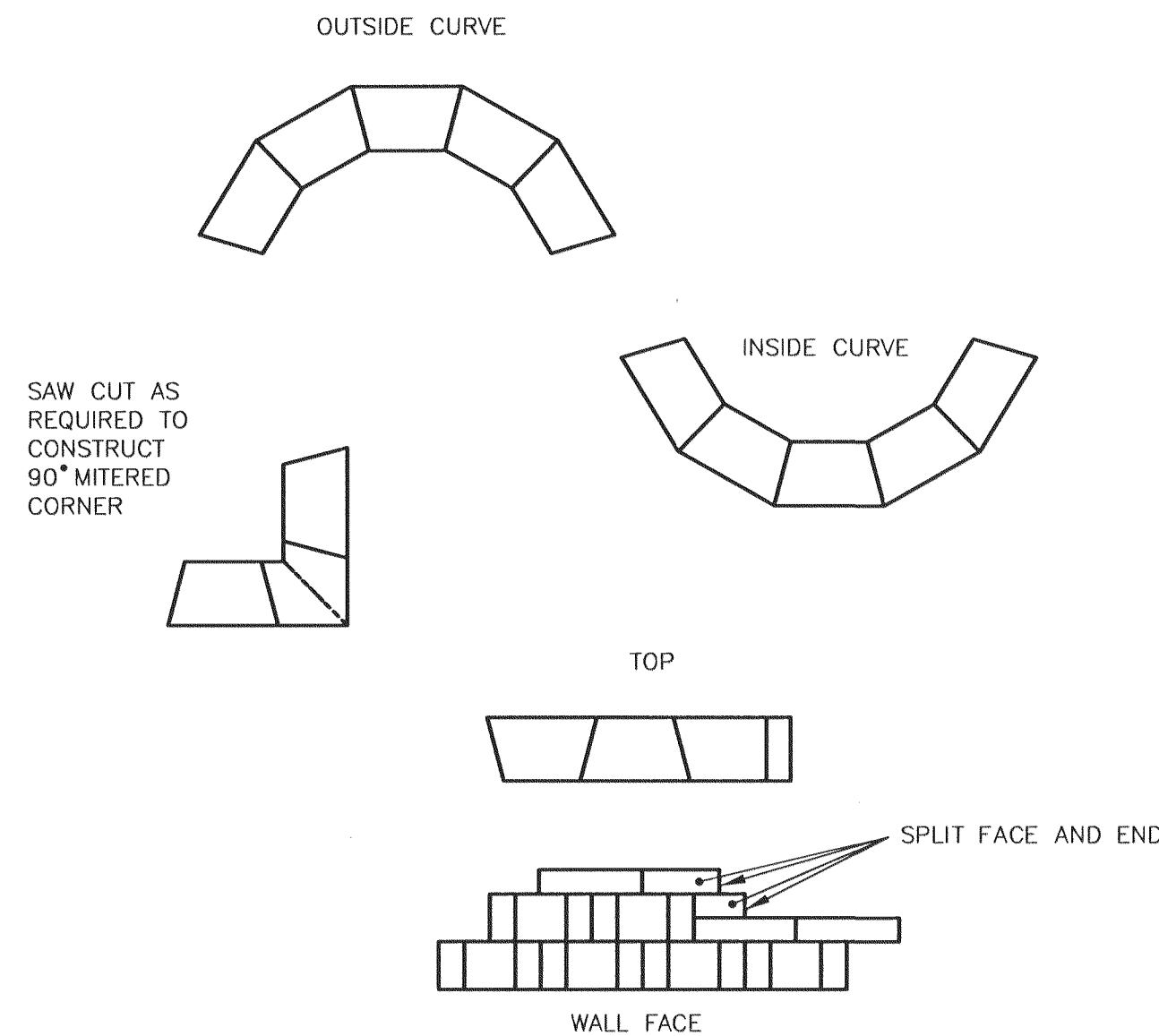
NOTE: SIMILAR TYPE SEGMENTAL RETAINING WALL BY ALTERNATE MANUFACTURERS (ANCHOR WALL, VERSA LOK, ROCKWOOD) MAY BE USED WITH THE PERMISSION OF THE ENGINEER. CONTRACTOR MUST SUBMIT DESIGN CRITERIA AND DETAILS TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.



TYPICAL STEP-UP DETAIL
(ALL PRODUCTS)



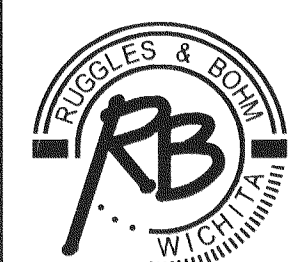
TYPICAL BASE PREPARATION
(ALL PRODUCTS)



- NOTES:
- USE ADHESIVE TO SECURE CAPS IN PLACE
 - ALTERNATE SHORT AND LONG CAP FACES EVERY OTHER CAP TO ACHIEVE A STRAIGHT WALL
 - VARIOUS COMBINATIONS OF LONG AND SHORT CAP FACES WILL BE NECESSARY FOR RADII GREATER THAN THE MINIMUM
 - CUT CAPS TO FIT
 - ALWAYS START CAPPING WALL FROM LOWEST ELEVATION

ANCHOR VERTICA/VERTICA PRO
DESIGN DETAILS – CAP BLOCK

SEGMENTAL RETAINING WALL



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E-mail: info@rbkansas.com

DRAWING FILE
retaining_wall

PROJECT NUMBER

DESIGN

TOR

DRAWN

RA

REVIEW

UTILITY

DATE

Apr. 13, 2004

SHEET

32

OF

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