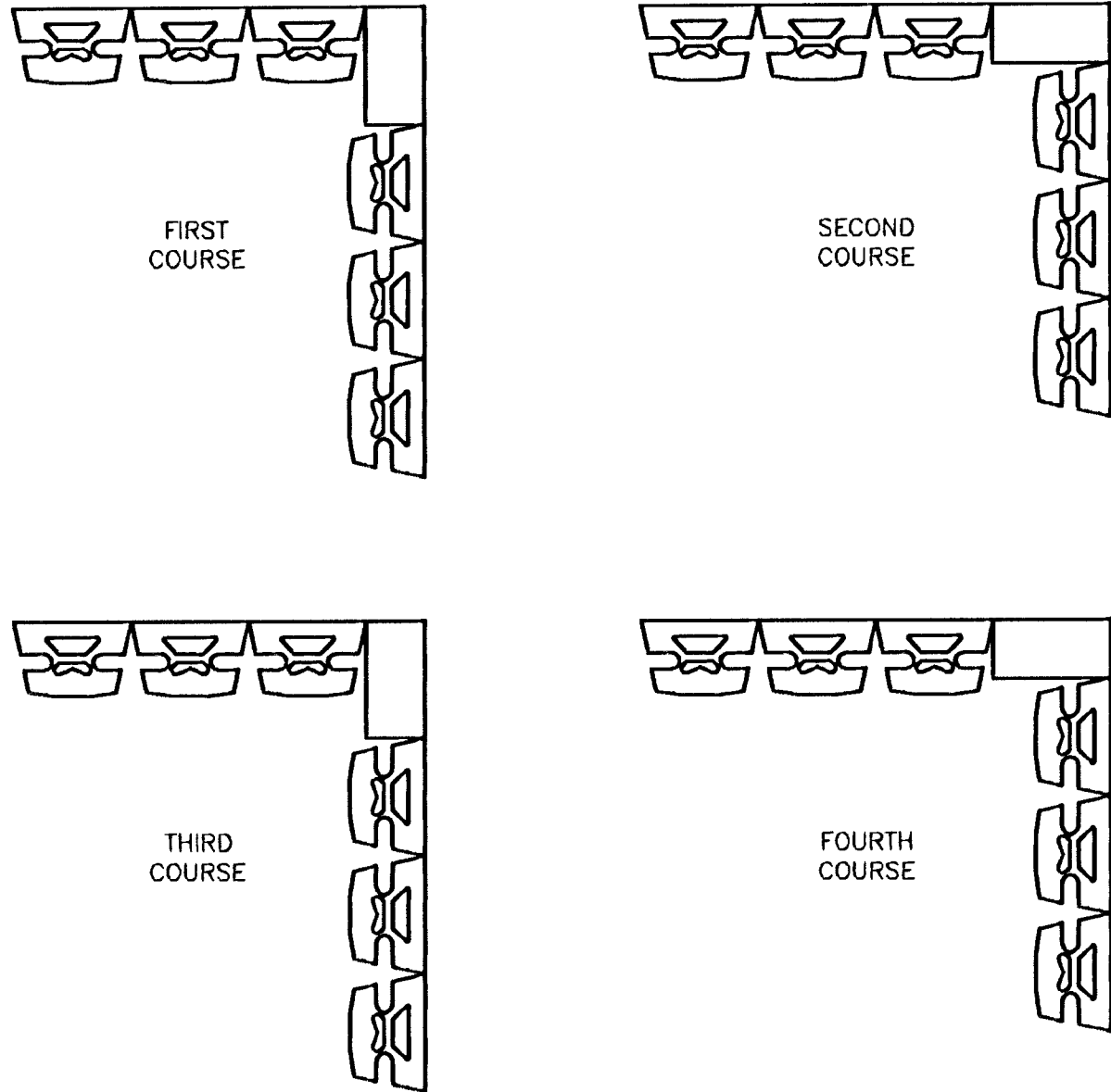
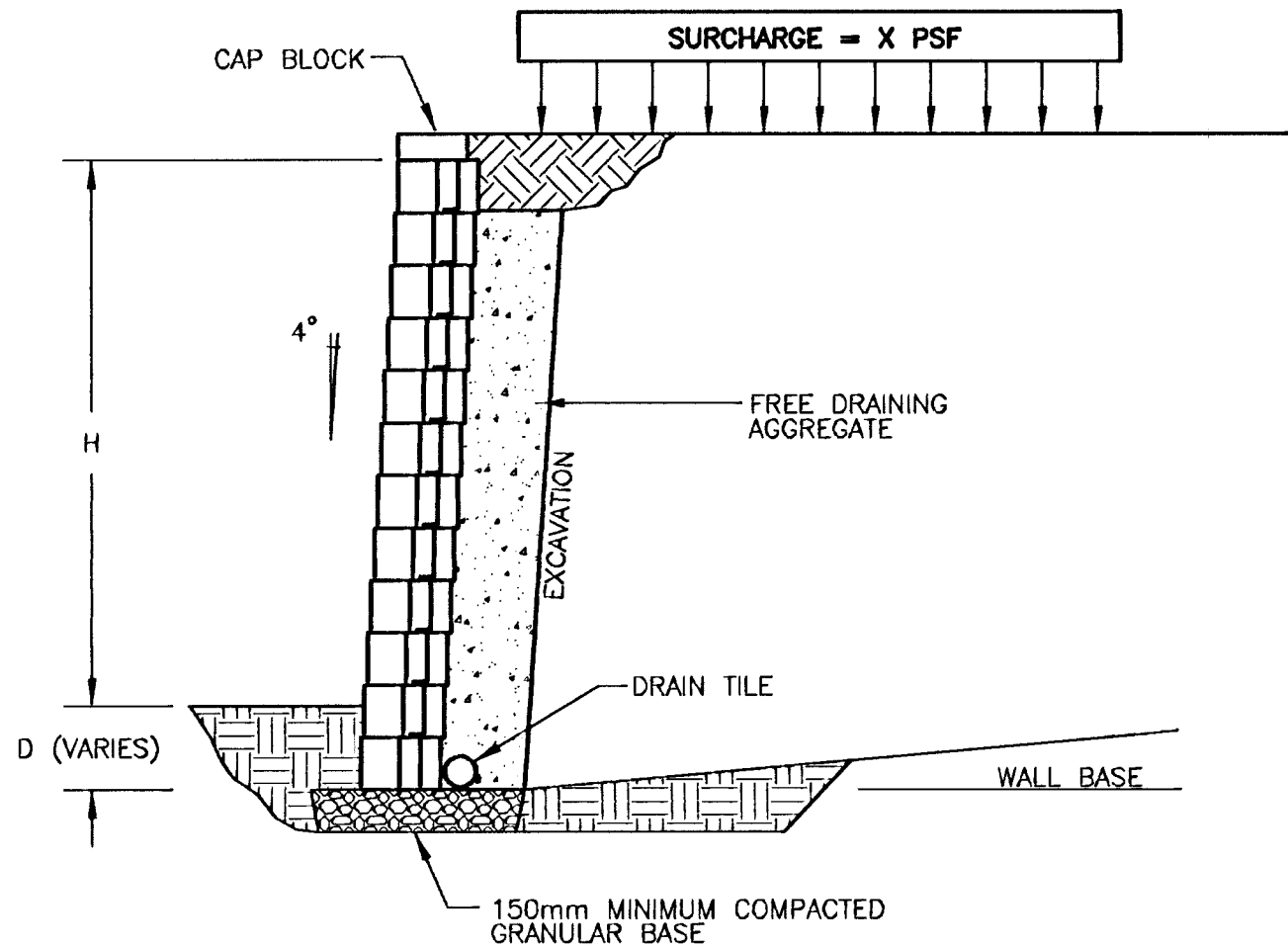


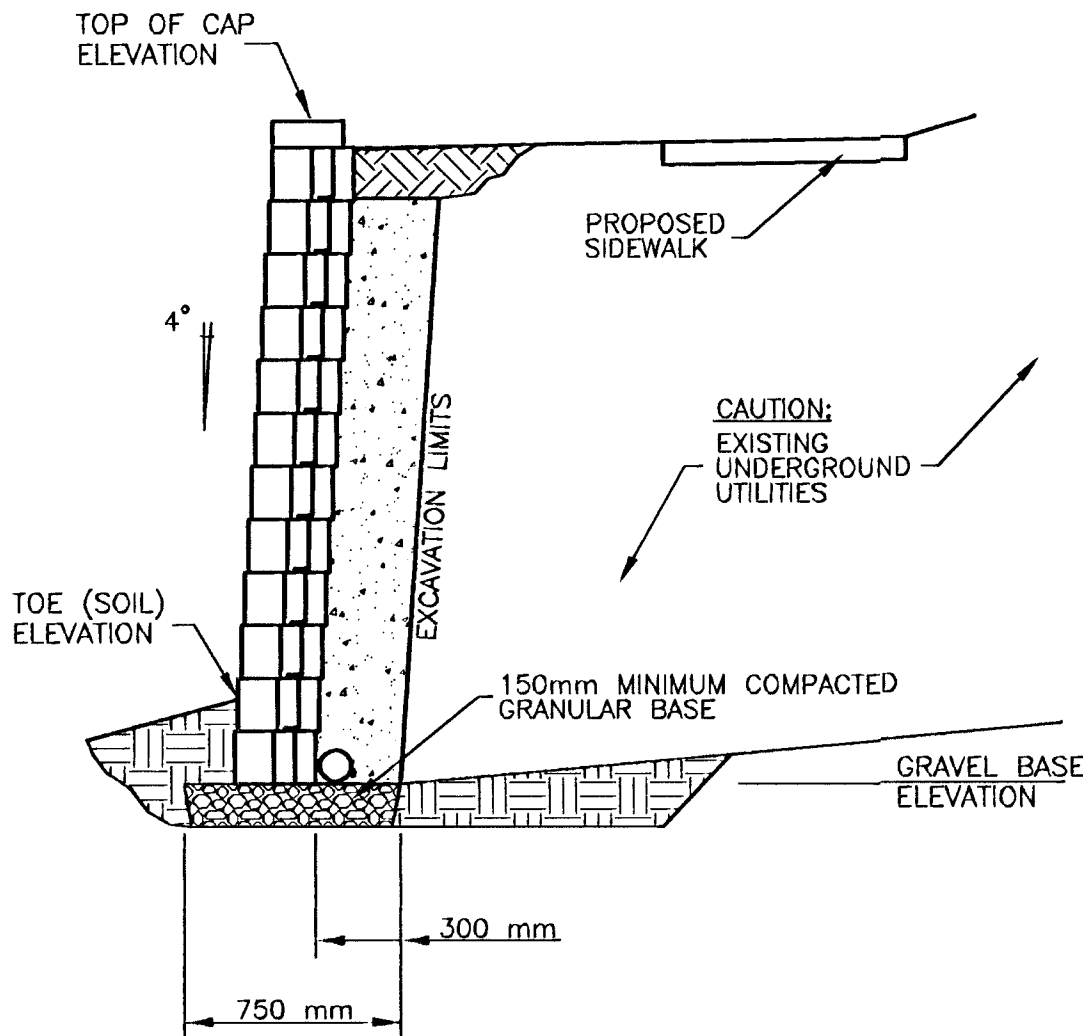
BY	DATE
REFERENCES NOTED	
REFERENCES CHECKED	



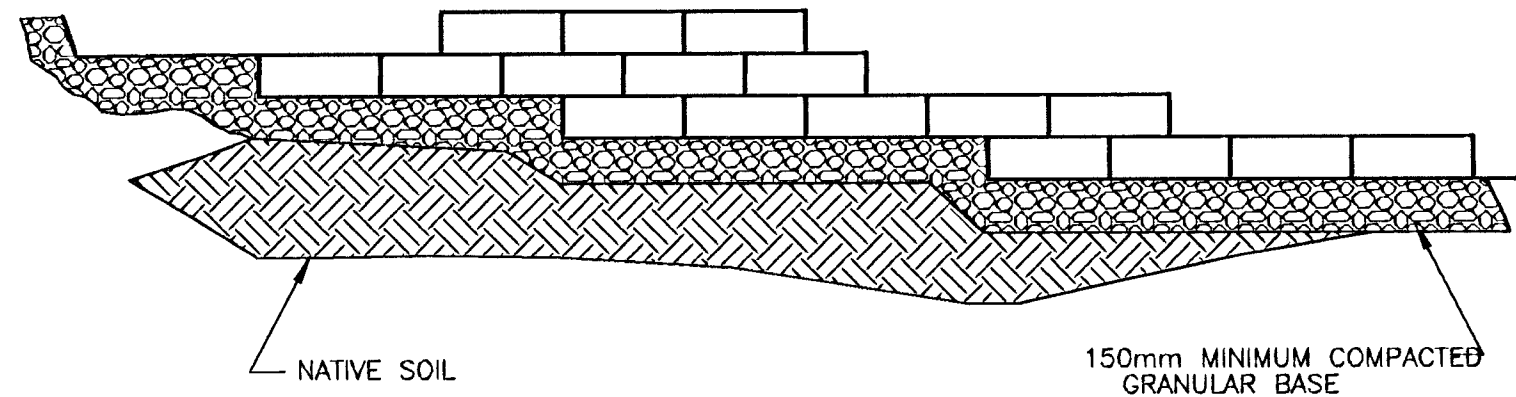
ANCHOR VERTICA – STRAIGHT UNITS
TYPICAL 90° OUTSIDE CORNERS



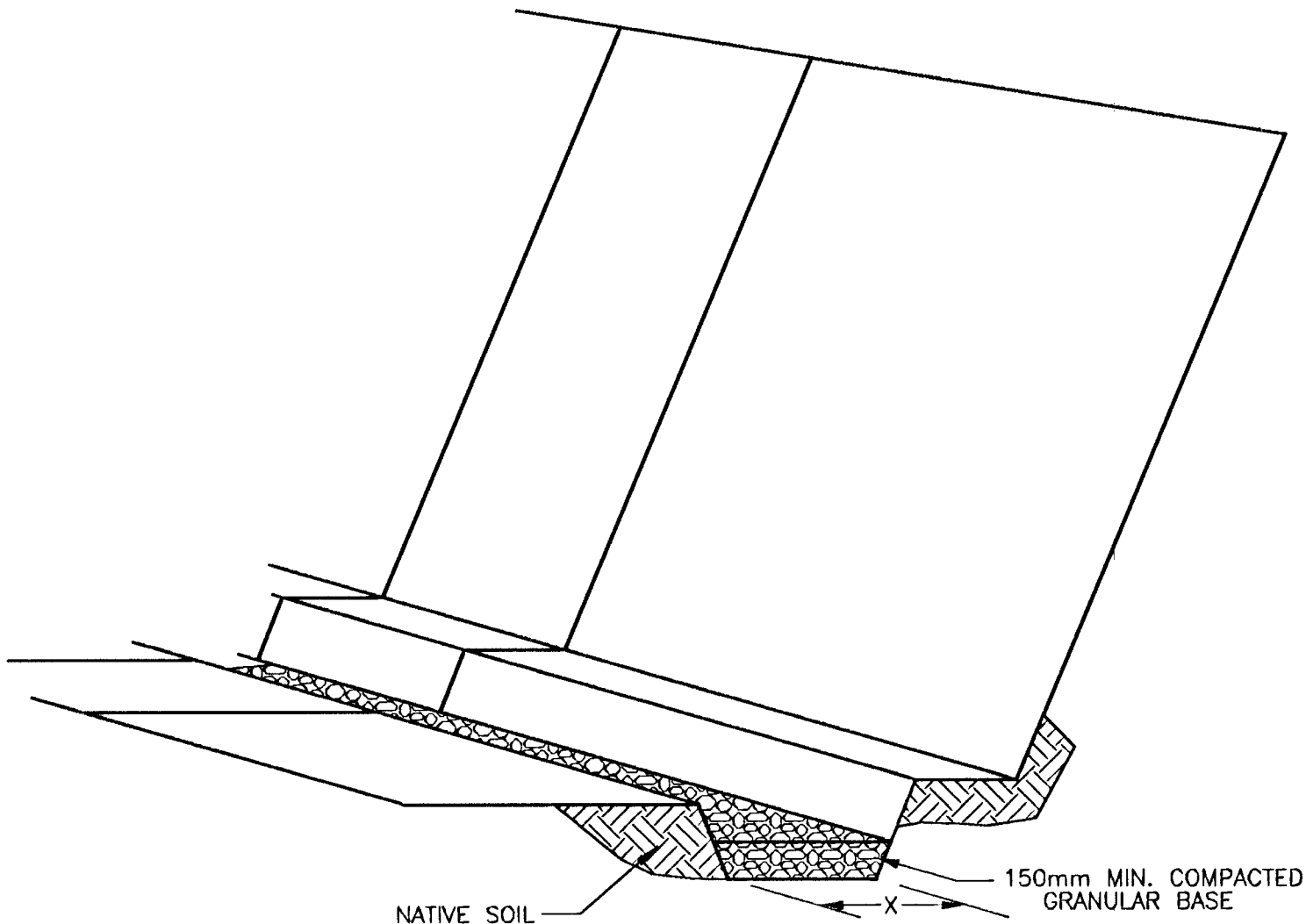
ANCHOR VERTICA – SURCHARGE BEHIND WALL



ANCHOR VERTICA – DIMENSIONS

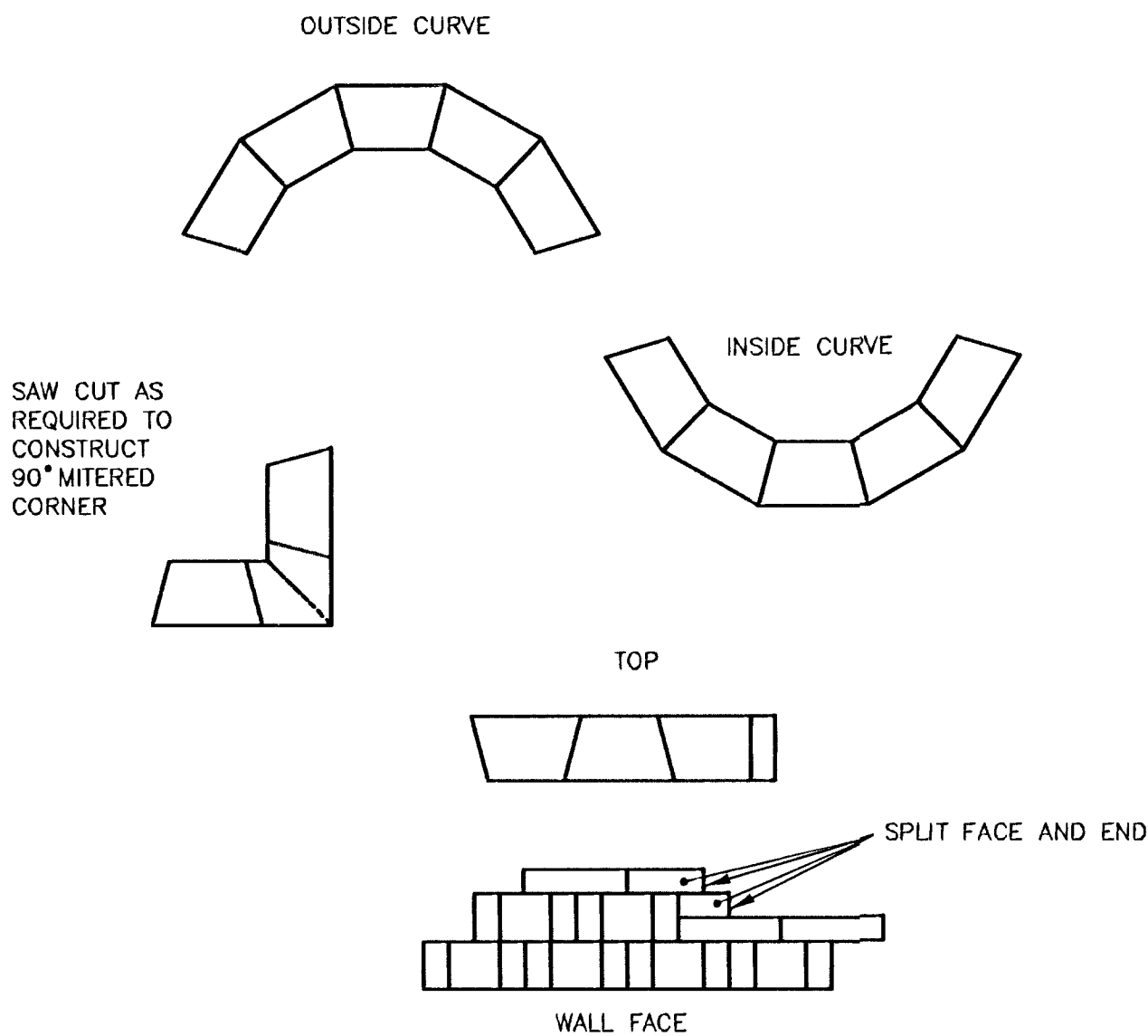


TYPICAL STEP-UP DETAIL
(ALL PRODUCTS)



NOTE: X IS DEPENDENT ON ANCHOR PRODUCT USED.

TYPICAL BASE PREPARATION
(ALL PRODUCTS)



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

ANCHOR VERTICA/VERTICA PRO
DESIGN DETAILS – CAP BLOCK

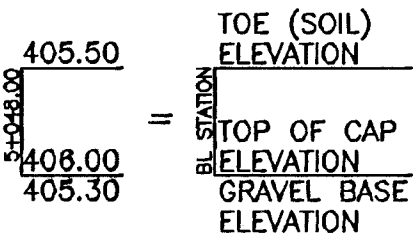
FHWA REGION NO.	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER	TOTAL SHEETS
7	KANSAS	87N-0195-01	2001	47	127

RETAINING WALL LOCATION SCHEDULE

BEGIN	P.I.	END
STA. 8+364.529, 22 312 LT.	STA. 8+389.529, 22 313 LT.	STA. 8+389.442, 47 313 LT.
STA. 8+384.529, 22 407 RT.	STA. 8+389.529, 22 407 RT.	STA. 8+389.538, 27 407 RT.

LOCATIONS ARE MAPLE BASELINE STATIONS AND OFFSETS TO FACE OF RETAINING WALL.

ANCHOR WALL FINISHED GRADES DETAIL



ANCHOR WALL DESIGN DETAILS

STRUCTURE SUMMARY
WALL TYPE: ANCHOR WALL UNIT TYPE: GRAVITY STRUCTURE
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/m³): 20.5
CENTER OF GRAVITY (mm): 146.1

CAP UNITS
UNIT HEIGHT (mm): 102
UNIT WIDTH (mm): 254
UNIT LENGTH (mm): 371.8
SETBACK (mm): NONE
WEIGHT (infield) (kg): 19.1
UNIT WEIGHT (infield) (kN/m³): 19.48
CENTER OF GRAVITY (mm): 127

NOTE: SIMILAR TYPE SEGMENTAL RETAINING WALL BY ALTERNATE MANUFACTURERS 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.

MAPLE IMPROVEMENTS-135TH ST. W. TO 119TH ST. W. SEGMENTAL RETAINING WALL					REVISED
SRB 224 NORTH MAIN WICHITA, KANSAS 67203 http://www.faird.com/~srb 316-264-8008 FAX 264-4821 E-Mail: urb@faird.com SAVOY, RUOGLER & BOHM, P.A. ENGINEERING & SURVEYING					47
PROJECT NUMBER 472-78-245-83262-000-000-001					127
DRAWN MWS	DESIGN JDS	REVIEW JDS	DATE Sept. 27, 2001	UTILITY	SRB JOB 1217T