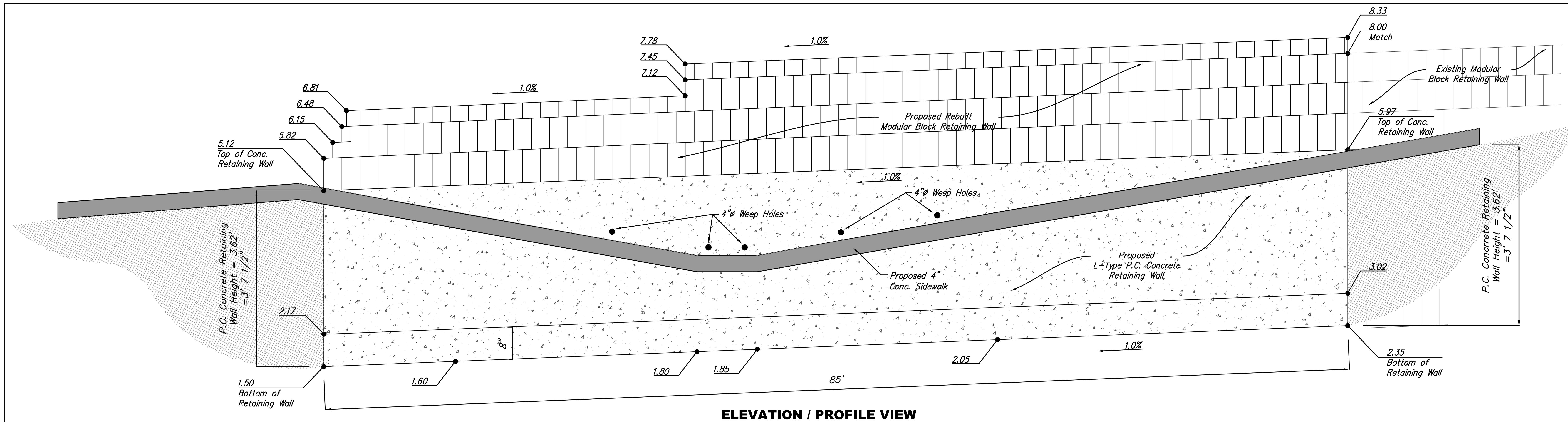


1 ELEVATION / PROFILE VIEW RETAINING WALL SYSTEM
NOT TO SCALE: (LOOKING NORTH)

NOTES:
Weep Holes 4"ø. Weep Hole Centers = 4" Above Sidewalk

NOTES:

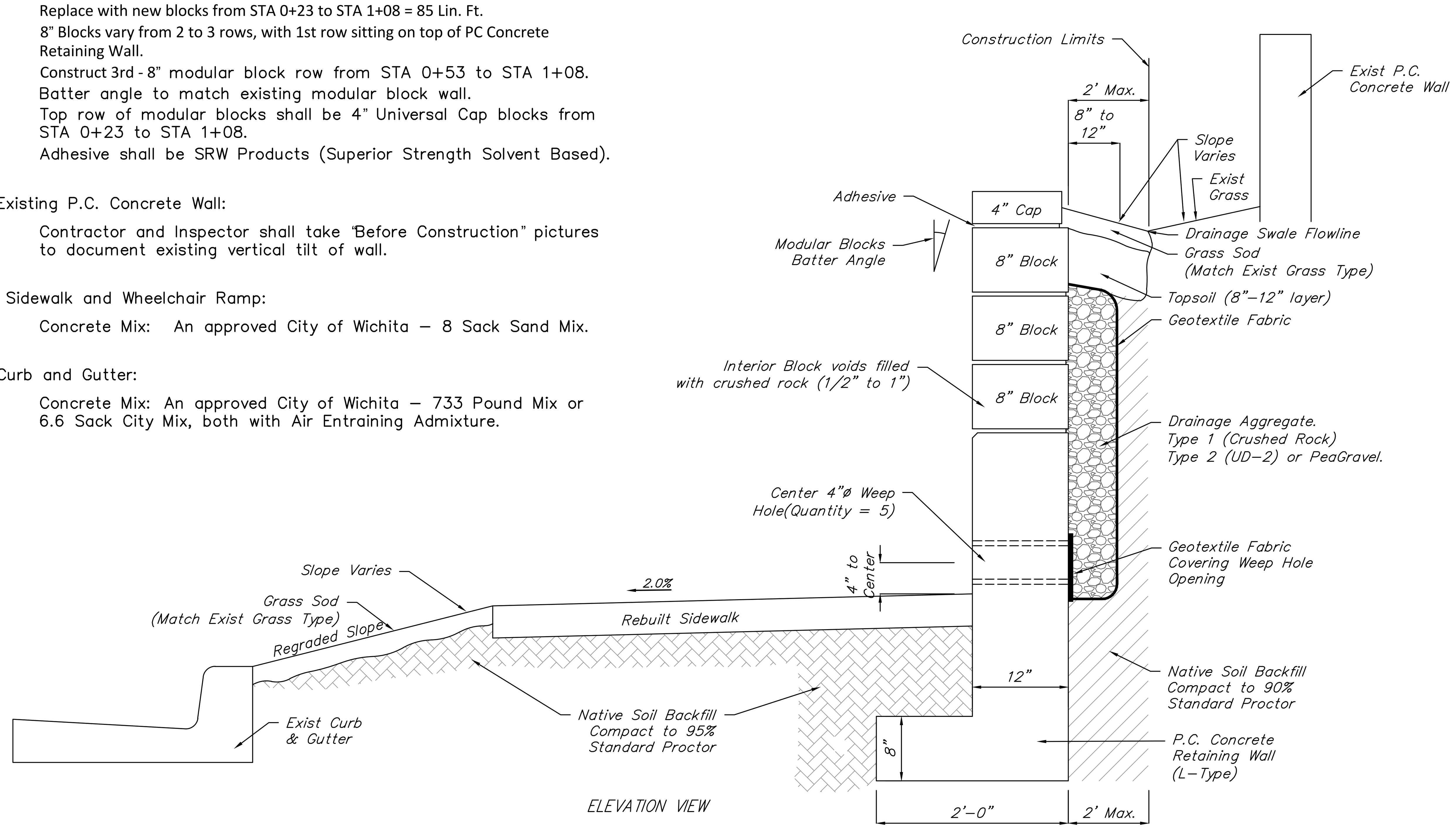
1) P.C. Concrete Retaining Wall (L-Type):
   - Location: STA 0+23 to STA 1+08 = 85 Lin. Ft.
   - Location: Construct along north edge of relocated sidewalk.
   - Height: 3'-7 1/2" = 3.62 Ft.
   - Slope: Top and bottom of wall slope down 1.0% to the West.
   - Drainage Aggregate: Construct layer along entire length of retaining wall system.
   - Concrete Mix: Grade (4.0) (AE) meeting KDOT specifications.
   - Bevel: Bevel all exposed edges with a 3/4" triangular molding.
   - Reinforcing: Use Reinforcing Steel conforming to ASTM A615, Grade 60.

2) Modular Block Retaining Wall:
   - Remove existing blocks from STA 0+28 to STA 1+08 = 80 Lin. Ft.
   - Replace with new blocks from STA 0+23 to STA 1+08 = 85 Lin. Ft.
   - 8" Blocks vary from 2 to 3 rows, with 1st row sitting on top of PC Concrete Retaining Wall.
   - Construct 3rd - 8" modular block row from STA 0+53 to STA 1+08. Batter angle to match existing modular block wall.
   - Top row of modular blocks shall be 4" Universal Cap blocks from STA 0+23 to STA 1+08.
   - Adhesive shall be SRW Products (Superior Strength Solvent Based).

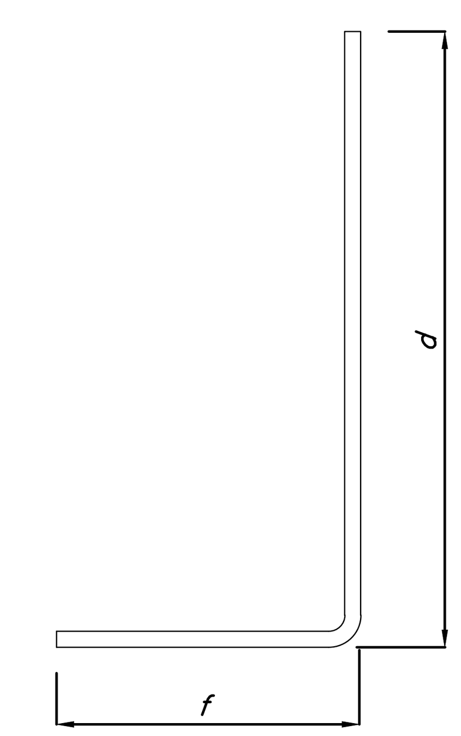
3) Existing P.C. Concrete Wall:
   - Contractor and Inspector shall take "Before Construction" pictures to document existing vertical tilt of wall.

4) Sidewalk and Wheelchair Ramp:
   - Concrete Mix: An approved City of Wichita – 8 Sack Sand Mix.

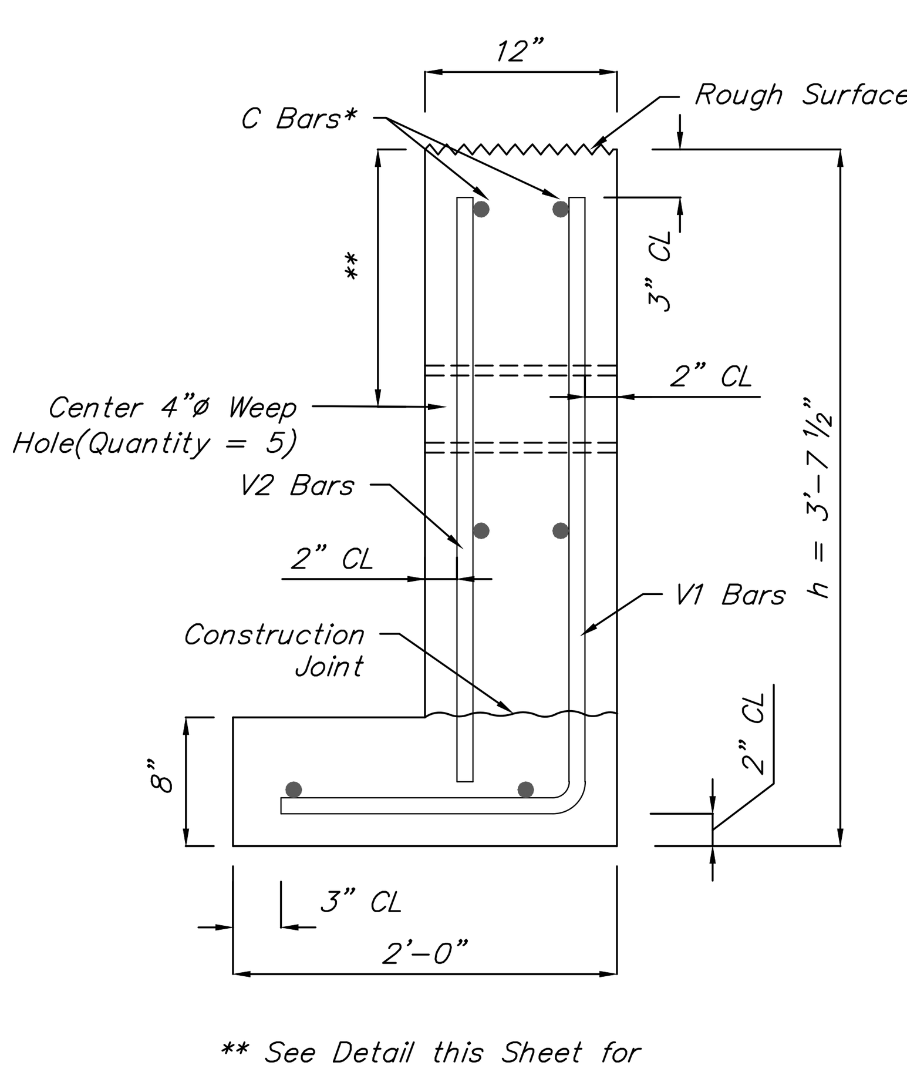
5) Curb and Gutter:
   - Concrete Mix: An approved City of Wichita – 733 Pound Mix or 6.6 Sack City Mix, both with Air Entraining Admixture.



2 RETAINING WALL SYSTEM (TYPICAL)
NOT TO SCALE



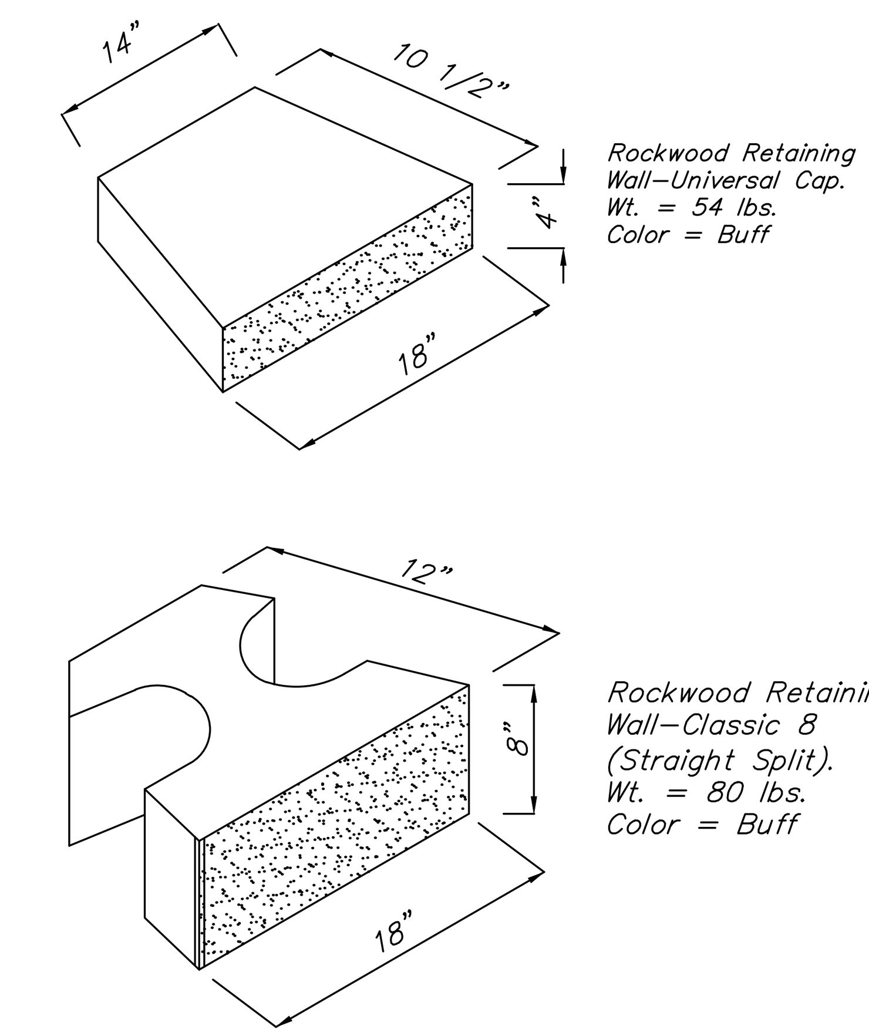
3 L-SHAPE REINFORCING STEEL BAR (V1)
NOT TO SCALE



*** See Detail this Sheet for Variable distances and locations*

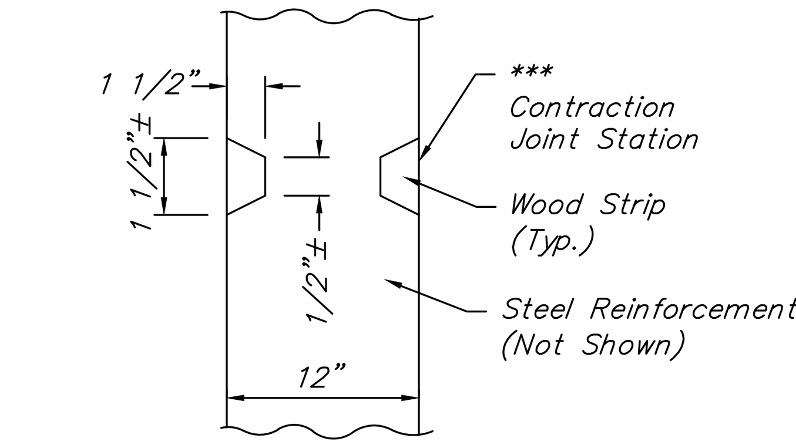
PROFILE VIEW

4 P.C. CONCRETE L-TYPE RETAINING WALL
NOT TO SCALE



ISOMETRIC VIEW

5 MODULAR BLOCK DIMENSIONS
NOT TO SCALE



PLAN VIEW

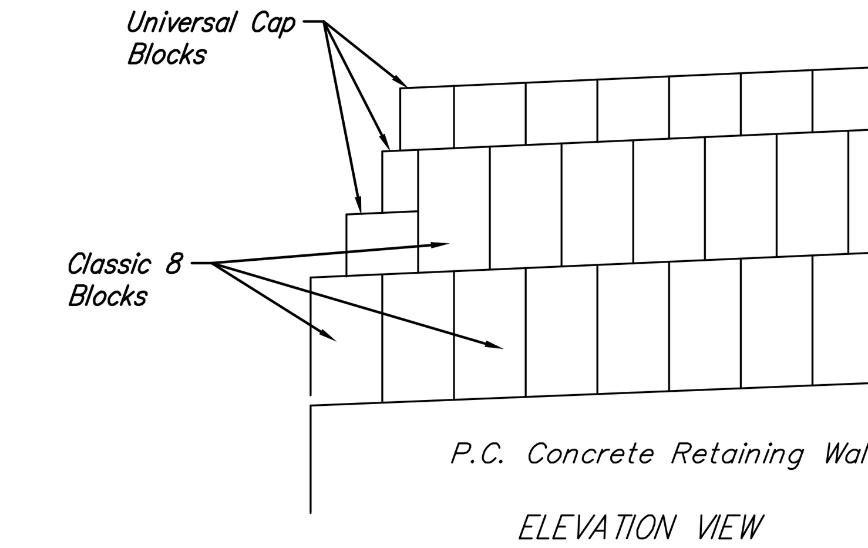
**** Sta.'s 10+76, 10+93.35, 11+11 & 11+30 (Remove South Side Wood Strips After Placement)*

6 P.C.CONCRETE RETAINING WALL CONTRACTION JOINTS
NOT TO SCALE

h	Bar	Size	Cutting Length	Spacing	d	f	Remarks
3'-7 1/2"	V1	#4	4'-9"	18"	3'-3"	1'-7"	L-Shape
	V2	#4	3'-2"	24"	–	–	Straight
	C	#4	6-Horizontal Bars– Continuous*				Straight

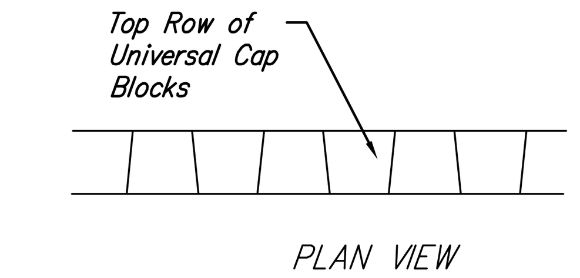
** 3" Clearance at Ends of Retaining Wall for C Bars. Minimum overlap Length = 18"*

7 REINFORCING STEEL SCHEDULE: L-TYPE RETAINING WALL



ELEVATION VIEW

8 ROCKWOOD RETAINING WALL - WEST END STEP-UP DETAIL
NOT TO SCALE



PLAN VIEW

9 ROCKWOOD RETAINING WALL - UNIVERSAL CAP BLOCKS (TYPICAL LAYOUT)
NOT TO SCALE

NOTES:

6) Modular block wall shall be constructed using manufactures preferred method for non-reinforced wall.

7) Modular block wall shall be constructed with Rockwood Retaining Wall - Classic 8 (Straight Split) and Universal Cap blocks. Colors shall be Buff.

8) Trim 1st row modular block bottoms to allow blocks to sit flat on top of P.C. Concrete Retaining Wall. Trim blocks, as necessary, to allow block wall to be angled.

9) Use SRW Products (Superior Strength Solvent Based) adhesive to secure Universal Cap blocks.

10) All details shown are typical details and may require adjustments based on site conditions.

11) Begin placing Universal Cap blocks at west end. Trim blocks to fit, as necessary.

12) Layout Universal Cap blocks prior to placing adhesive.

Sta	Distance From Top of Wall To Center of 4" Ø Weep Hole
0+46	11" = 0.9'
0+54	15 1/2" = 1.3'
0+57	15 1/2" = 1.3'
0+65	13" = 1.1'
0+73	10" = 0.8'

10 WEEP HOLE LOCATIONS IN WALL

BAUGHMAN COMPANY
315 Ellis St. Wichita, KS 67211 316-262-7271
BaughmanCo.com

21ST STREET & BROADMOOR INTERSECTION
21ST STREET & BROADMOOR
MODULAR BLOCK & RETAINING WALL SYSTEM DETAILS
PAVING & SIGNAL IMPROVEMENTS

PROJECT NUMBER: ####
INTERNAL NUMBER: 20-02-E500
DESIGN: ENG
DRAWN: JSB
DATE: Mar, 2022
SHEET 7 OF 30