PROPOSED SEGMENTAL RETAINING WALLS BRAUNDT STREET AND CTH PH LA CROSSE COUNTY ONALASKA, WISCONSIN

WALL NOTES

- 1. In preparation of wall design, soil strength parameters were taken from the project plans. It is the responsibility of the owner or owner's representative to verify the soil strength parameters are representative of the soils available for wall construction. If the soil strength parameters are found to be inconsistent with those provided, this design is no longer valid and it is the responsibility of the owner or owner's representative to notify VEC so the retaining wall system can be redesigned. Failure to notify VEC may result in failure of the retaining wall.
- 2. Design Soil Parameters:
 - a. Retained soil: Imported/on-site soils, phi = 28 degrees, gamma = 125 pcf.
- b. Foundation soil: Imported/on-site soils, phi = 28 degrees, gamma = 125 pcf.
- 3. Any excavation below the wall should have proper 1:1 lateral oversizing. Excavation oversizing should be measured from the front to the back of the leveling pad.
- 4. This set of segmental retaining wall plans are based on the project plans prepared by SEH, dated 7/14/17. If other plans are produced that contain different information than that referenced, this plan may need to be revised and/or the wall may need to be redesigned.
- 5. This set of segmental retaining wall plans are based specifically on the wall being constructed with Rockwood Classic 8" and Rockwood Legend segmental retaining wall blocks. Absolutely no substitutions allowed.
- 6. The design life of the segmental retaining wall is 75 years minimum.
- 7. Location of the segmental retaining wall in relation to property lines, utility easements, watershed easements, or any other type of easements are the responsibility of the owner or the site civil engineer. VEC assumes no liability for the location of the segmental retaining wall, or if construction of the proposed segmental retaining wall encroaches any property lines or easements.
- 8. It is imperative that the site surveying of the segmental retaining wall be done by the site civil engineer or surveyor and must be based on computer generated site/grading plans and not profile plans done by VEC. Surveying of the segmental retaining wall must take into account the design batter indicated on the enclosed plans and details. Failure to take into account wall batter for segmental retaining wall surveying will produce incorrect locations of all top of wall and shall be corrected at no cost to VEC or the segmental retaining wall contractor.
- 9. Wall geometry, locations, slopes and surcharge loads for the segmental retaining wall were assumed from the project plans referenced above. If conditions vary greatly in the field from those shown on this plan, VEC must be notified prior to construction of the segmental retaining wall to review the design and/or plans. Modifications to the design and/or plans may be required after the review, and may take up to ten business days to complete.
- 10. If there are discrepancies between any information on these plans and information in the project specifications, the more restrictive information takes precedence.

SH	EET INDEX	
SHEET NO.	SHEET DESCRIPTION	V
WI	TITLE PAGE & WALL NOTES	ſΙ
W2 - W3	WALL ELEVATION VIEW	
W4 - W5	SECTIONS AND DETAILS	
W5	WALL-SPECIFIC CROSS-SECTION	レ

STATE PROJECT 5991-02-54 STATE PROJECT 5991-05-55 FEDERAL PROJECT WISC 2018042 FEDERAL PROJECT WISC 2018043

SMITH RESTORATION

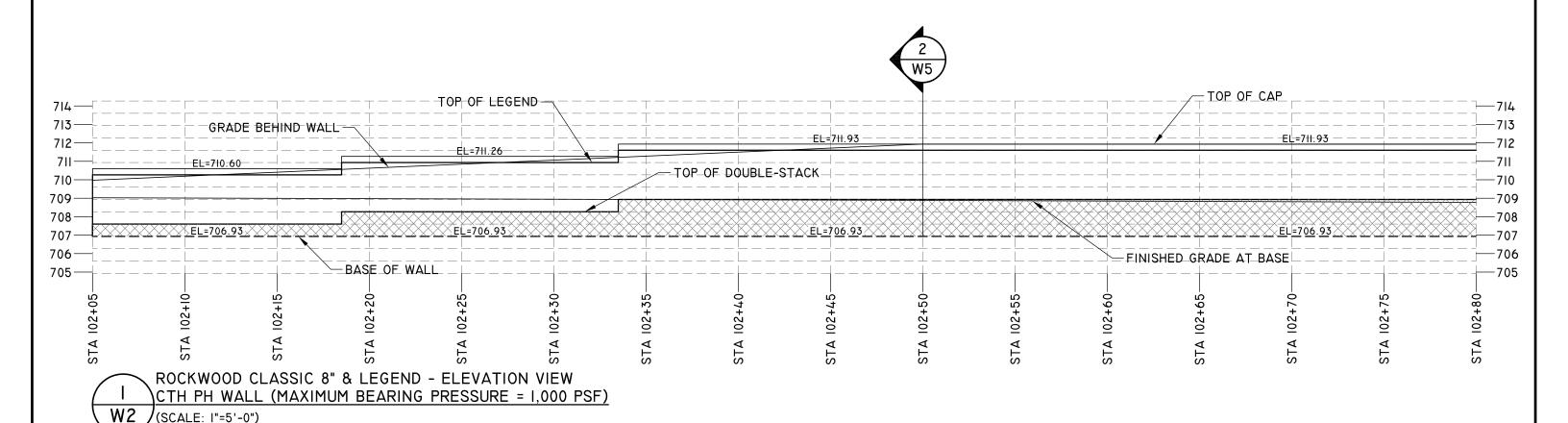
Vickery Engineering & Consulting, LLC



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PF		ED SEGMENTAL RETAINING WALL	Scale:	0	SHE
ONAL	_ASKA	UNDT STREET AND CTH PH , LA CROSSE COUNTY, WISCONSIN	NONE	VERIFY LINE ABOVE MEASURES	
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Rev. No:	DATE:	DESCRIPTION:	VEC PROJECT No:	RCP 18-003	
			DRAWN BY:	RWV	
			REVIEWED BY:	VEC	
			DATE:	4/22/18	



LEGEND



- DETAIL NUMBER - SHEET NUMBER



INDICATES ROCKWOOD LEGEND/CLASSIC 8" DOUBLE-STACKED UNITS

NOTES

) ENDS OF WALLS MAY BE
ADJUSTED AS NEEDED IN THE
FIELD AT THE TIME OF
CONSTRUCTION TO BLEND
INTO THE EXISTING TERRAIN.



INDICATES LOCATION OF SECTION CUT

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FROFUSED SEGMENTAL RETAINING WALL			SCALE:		
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REV. No:	DATE:	DESCRIPTION:	VEC PROJECT No:	RCP 18-003	1
			DRAWN BY:	RWV	1
			REVIEWED BY:	VEC	1
			DATE:	4/22/18	1

STATE PROJECT 599I-02-54

STATE PROJECT 599I-05-55

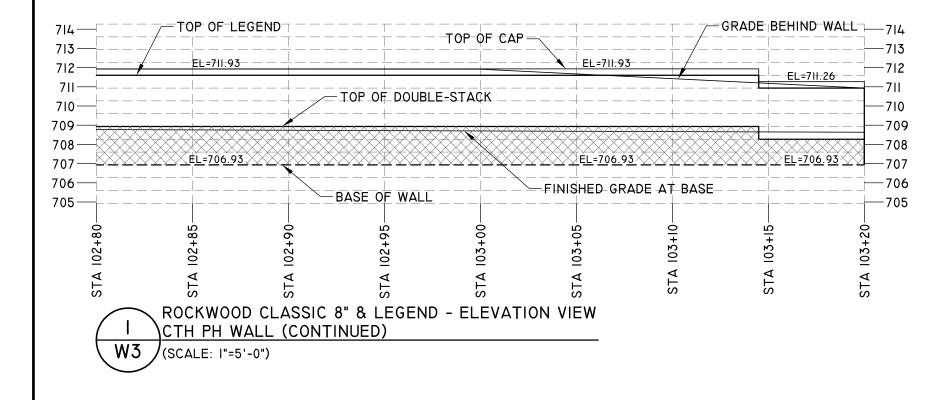
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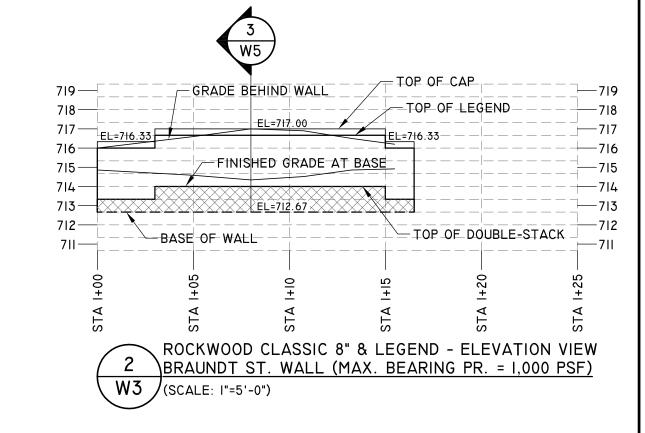
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W2

FEDERAL PROJECT WISC 2018042 FEDERAL PROJECT WISC 2018043

SMITH RESTORATION





W3

LEGEND



- DETAIL NUMBER - SHEET NUMBER



INDICATES ROCKWOOD LEGEND/CLASSIC 8" DOUBLE-STACKED UNITS

NOTES

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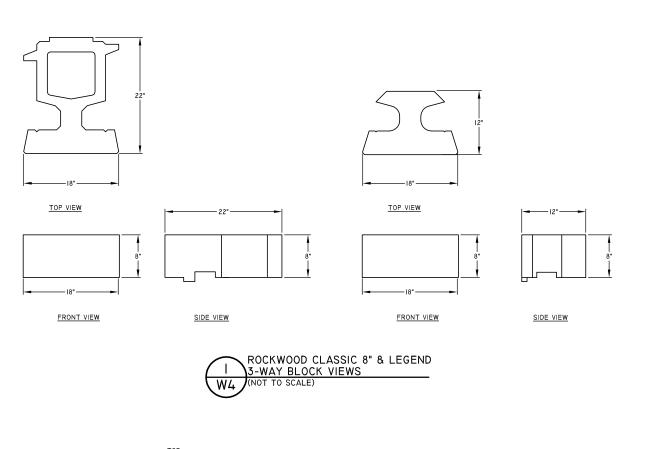
INDICATES LOCATION OF SECTION CUT

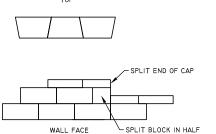


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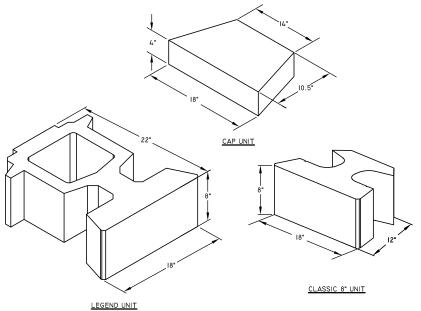


- 1. ALWAYS START CAPPING WALL FROM THE LOWEST ELEVATION.
- 2. LAYOUT CAPS PRIOR TO USING ADHESIVE.

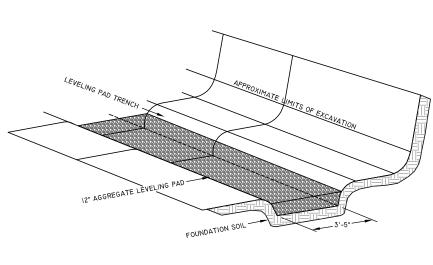
ROCKWOOD CLASSIC 8" & LEGEND CAP BLOCK DESIGN DETAILS

(NOT TO SCALE)

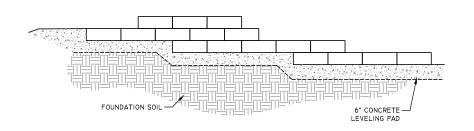
- CUT CAPS TO FIT. VARIOUS COMBINATIONS OF LONG AND SHORT CAP FACES WILL BE NECESSARY FOR RADII GREATER THAN THE MINIMUM.
- 4. ALTERNATE SHORT AND LONG CAP FACES EVERY OTHER CAP TO ACHIEVE A STRAIGHT ROW OF CAPS.
- 5. USE EXTERIOR-GRADE CONSTRUCTION ADHESIVE TO SECURE CAPS.
- REFER TO DETAIL 2 ON SHEET W4 FOR ADDITIONAL INFORMATION ON CAP DIMENSIONS.



ROCKWOOD CLASSIC 8" & LEGEND ISOMETRIC BLOCK VIEWS



ROCKWOOD CLASSIC 8" & LEGEND
TYPICAL BASE PREPARATION
W4 (NOT TO SCALE)



ROCKWOOD CLASSIC 8" & LEGEND TYPICAL STEP-UP DETAIL (NOT TO SCALE)

STATE PROJECT 599I-02-54 STATE PROJECT 599I-05-55 FEDERAL PROJECT WISC 20I8042 FEDERAL PROJECT WISC 20I8043

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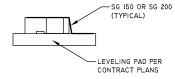


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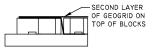
STEP I: INSTALL THE LEGEND BASE COURSE. PLACE A LAYER OF SG 150 OR SG 200 GEOGRID, 3'-6" LONG, OVER THE TOP OF THE LEGEND BLOCK AND ONTO THE LEVELING PAD BEHIND IT AS SHOWN. THE GEOGRID SHOULD EXTEND AT LEAST 13" BEHIND THE LEGEND BLOCK.



STEP 2: PLACE THE CLASSIC 8" UNIT ON TOP OF THE GEOGRID, WITHIN 2 INCHES OF THE BACK OF THE BLOCK. FILL THE VOID BETWEEN THE FRONT AND BACK COLUMN OF BLOCK WITH DRAINAGE AGGREGATE.



STEP 3: PLACE ANOTHER LAYER OF GEOGRID, EXTENDING FROM THE FRONT OF THE LEGEND TO THE BACK OF THE CLASSIC 8*.



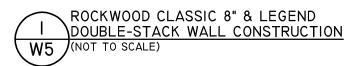
STEP 4: INSTALL THE NEXT COURSE OF LEGEND BLOCK (ON TOP OF THE PREVIOUS COURSE) AND THE NEXT LAYER OF GEOGRID, AS SHOWN BELOW.

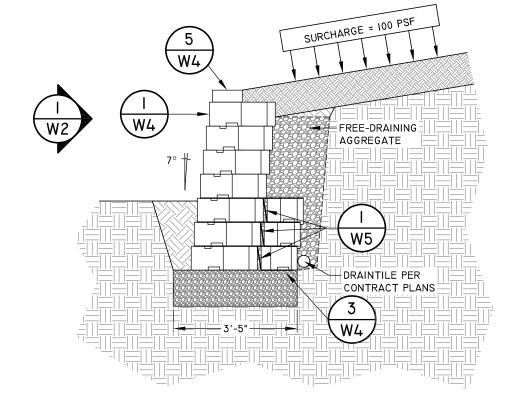


STEP 5: INSTALL THE NEXT COURSE OF CLASSIC 8" BLOCK (ON TOP OF THE PREVIOUS COURSE). BACKFILL THE VOIDS IN THE BLOCKS AND BETWEEN THE COLUMN OF BLOCKS WITH DRAINAGE AGGREGATE.

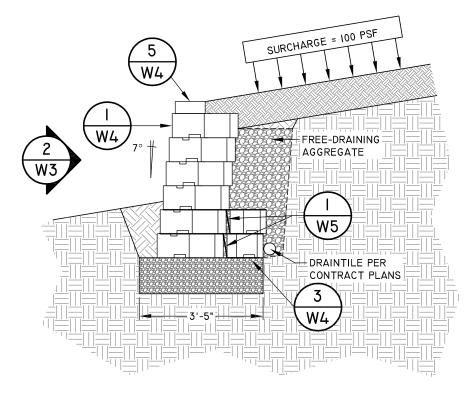


STEP 6: CONTINUE THESE STEPS, USING THE SAME GEOGRID LAYER PATTERN UNTIL THE DOUBLE-STACK PORTION OF THE





ROCKWOOD CLASSIC 8" & LEGEND CTH PH WALL AT STA 102+50±
W5 (SCALE: 3/8"=1'-0")



ROCKWOOD CLASSIC 8" & LEGEND BRAUND STREET WALL AT STA I+08±
(SCALE: 3/8"=I'-0")

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