

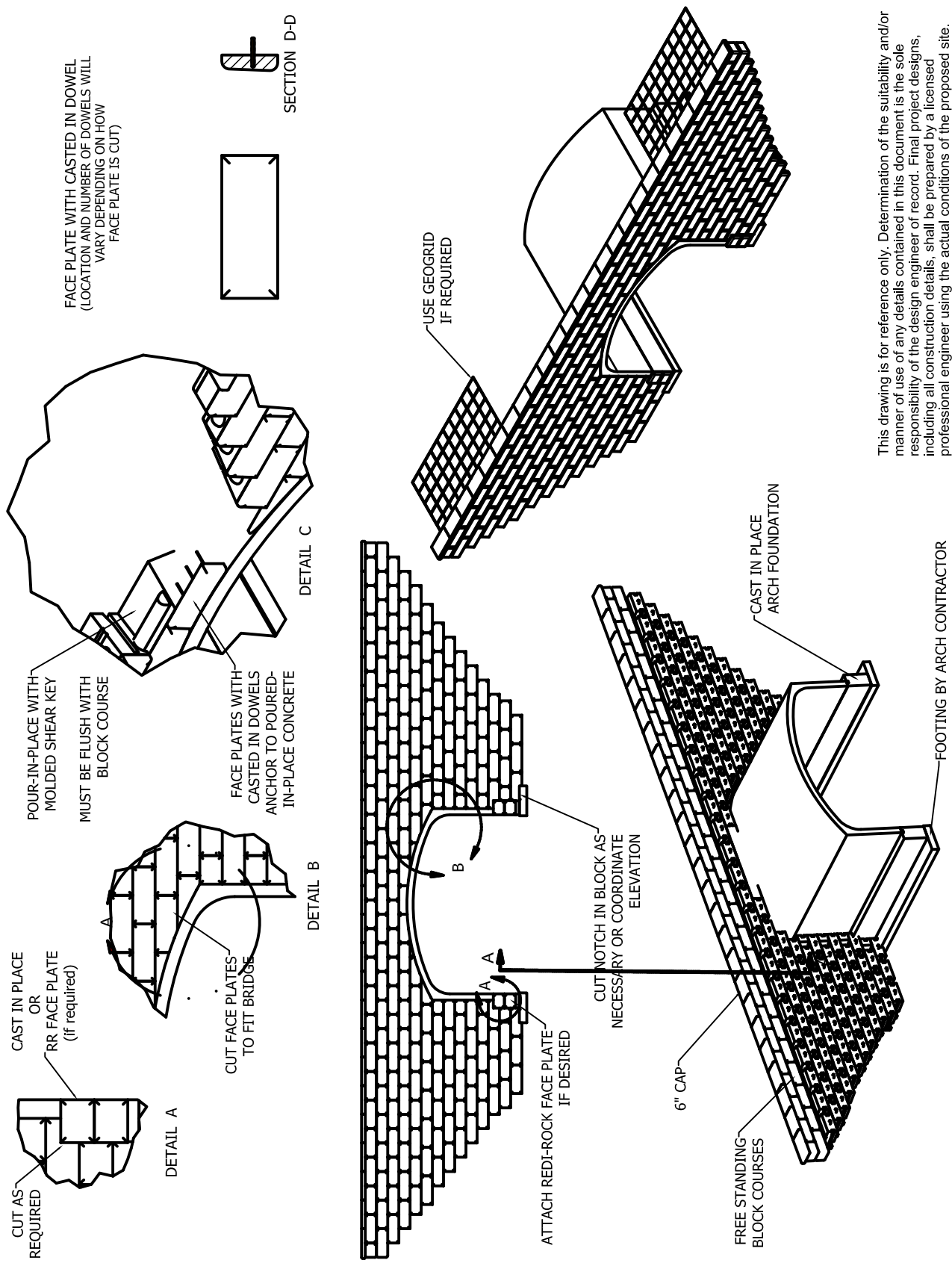
Notes for Special Custom Retaining Wall Block

1. Specialized 5" R.R.I. Block faces can be poured with corrosion resistant steel rebar set in place so that it protrudes out the back of the faces. These faces may then be put in place and the concrete leveling pad / support beam can be formed and poured in place, allowing the faces to be secured to the poured concrete by the protruding rebar.
2. Specialized 5" R.R.I. Block faces can be adhered to the face of the poured in place concrete leveling pad / support beam with concrete adhesive.

OR

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DRAWN BY:	JRJ	TITLE:	Culvert Crossing Headwall	 <p>05481 US 31 SOUTH, CHARLEVOIX, MI 49720 (866) 222-8400 ext 3010 • engineering@redi-rock.com www.redi-rock.com</p>
APPROVED BY:	JRJ	FILE:	5 Culvert Crossing Headwall 062215.dwg	
DATE:	06-22-2015			
SHEET:	1 of 1			



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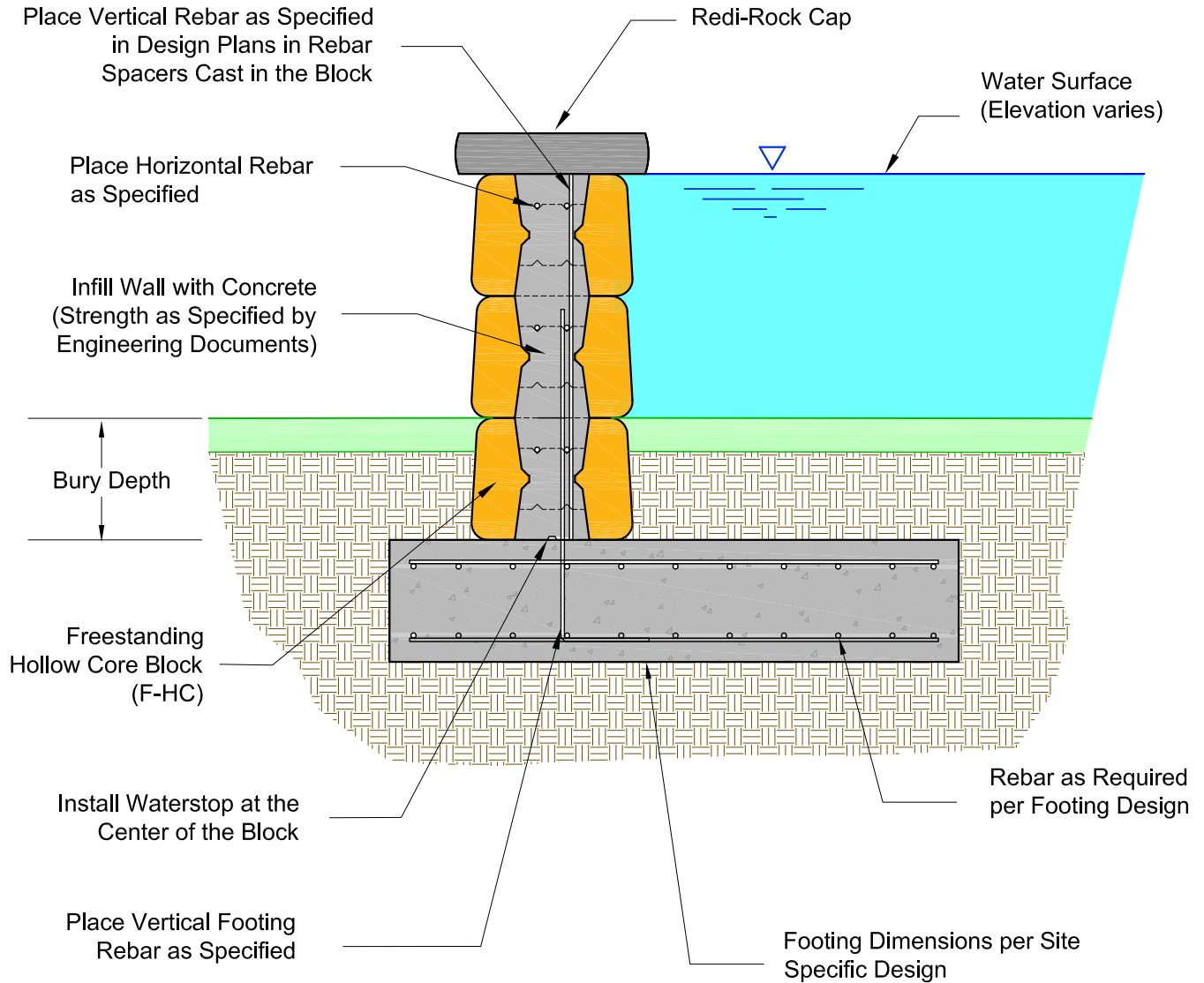
DRAWN BY:	JRJ
APPROVED BY:	JRJ
DATE:	06-22-2015
SHEET:	1 of 1

TITLE:	Headwalls and Wingwalls for Precast Arch
FILE:	4 Headwalls & Wingwalls for Precast Arch 062215.dwg

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CONCEPTUAL FLOOD CONTROL WALL

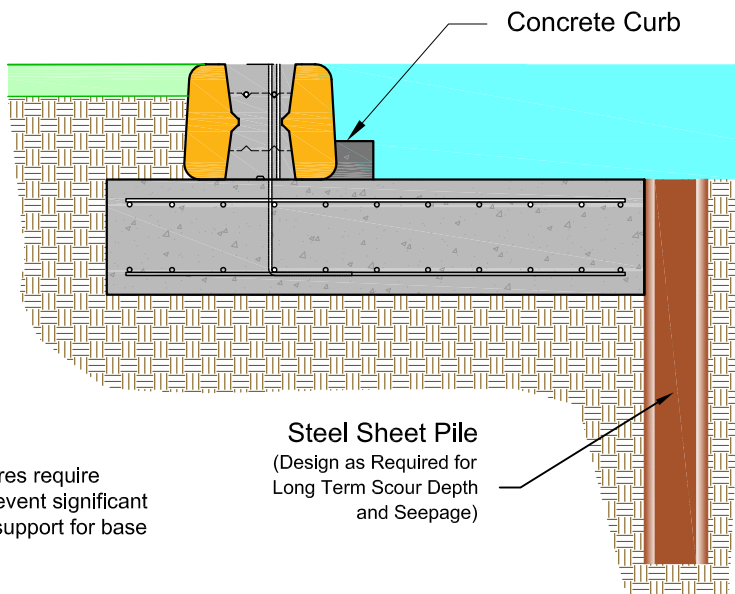
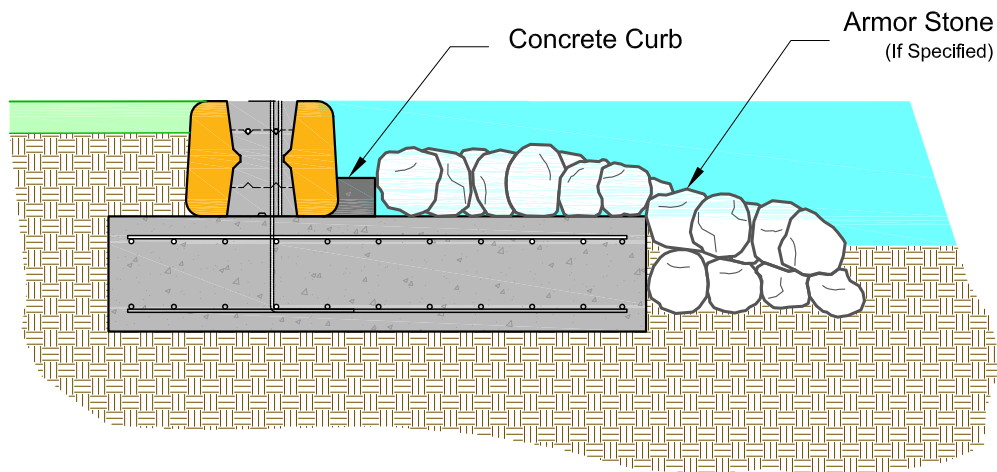
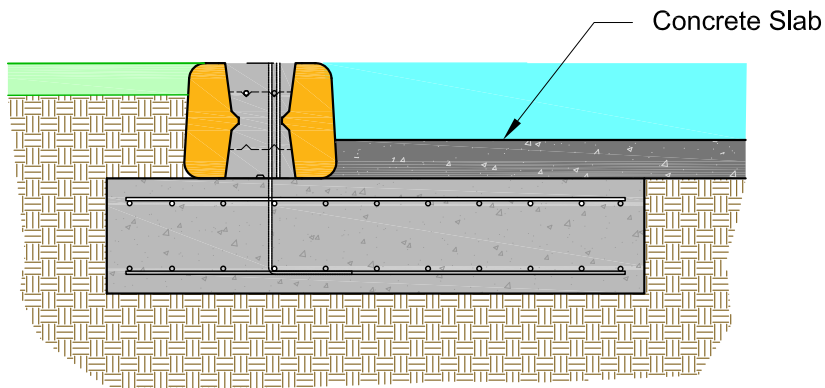


NOTE: Degree of water tightness depends on many factors. Slight seepage through joints can be expected using standard construction practices. See www.Redi-Rock.com for more information on flood control walls including detailed notes from full scale demonstration project testing.

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DRAWN BY:	D. Germinaro	TITLE: Conceptual Flood Control Wall Section	 05481 US 31 SOUTH, CHARLEVOIX, MI 49720 (866) 222-8400 ext 3010 • engineering@redi-rock.com www.redi-rock.com	
APPROVED BY:	J. Johnson			
DATE:	20 December 2017			
SHEET:	1 of 2	FILE:		F-HC Conceptual Flood Control Wall Section 122017.dwg

OPTIONAL BASE DETAILS FOR FLOOD CONTROL WALLS



NOTE: Flood control structures require long-term maintenance to prevent significant erosion and loss of soil and support for base of wall

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DRAWN BY: D. Cerminaro

APPROVED BY: J. Johnson

DATE: 20 December 2017

SHEET: 2 of 2

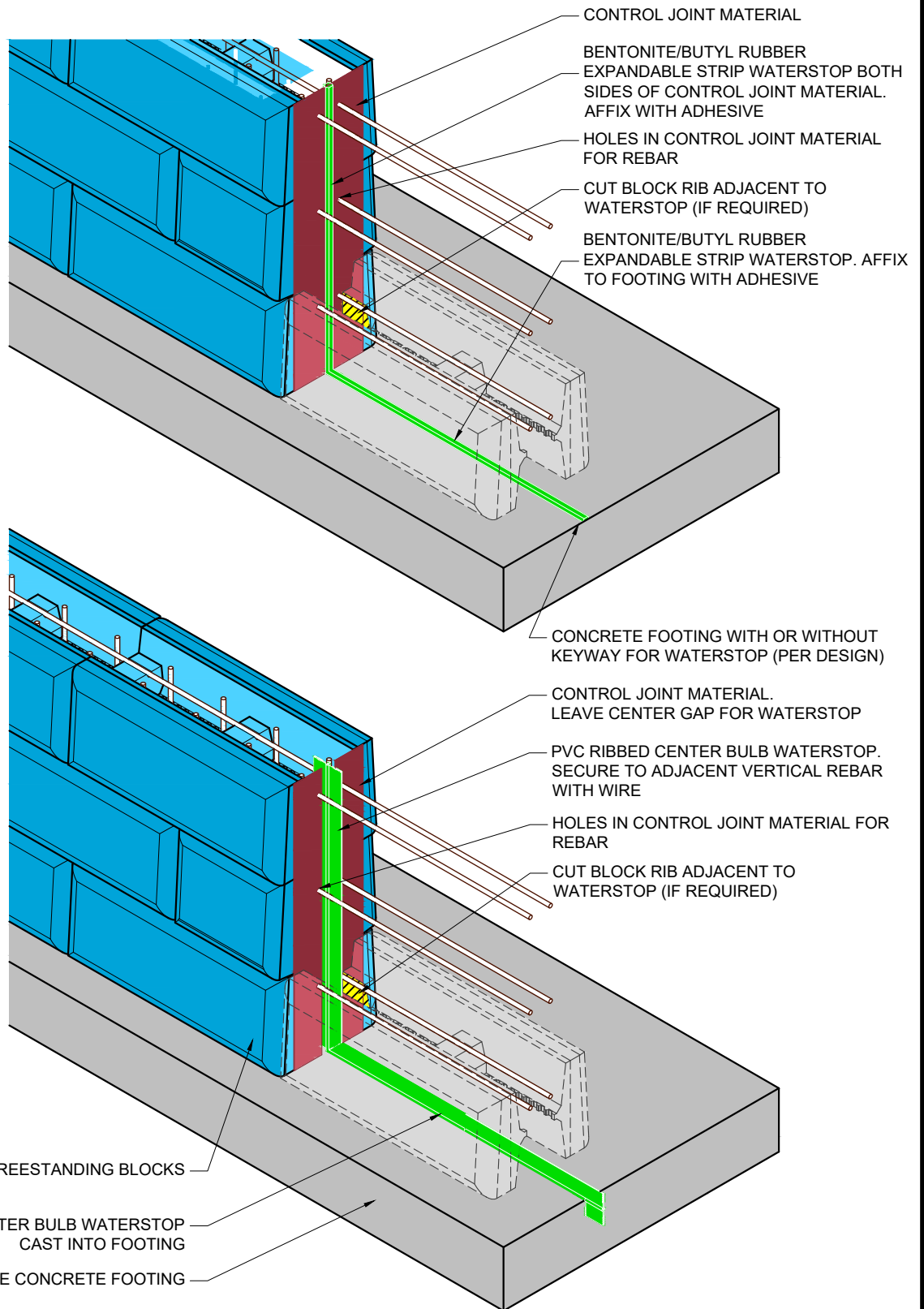
TITLE:

Optional Base Details for Flood Control Walls

FILE: F-HC Conceptual Flood Control Wall Section 122017.dwg

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DRAWN BY: N. LINDWALL

APPROVED BY: J. JOHNSON

DATE: 12/20/17

SHEET: 1 of 1

TITLE:

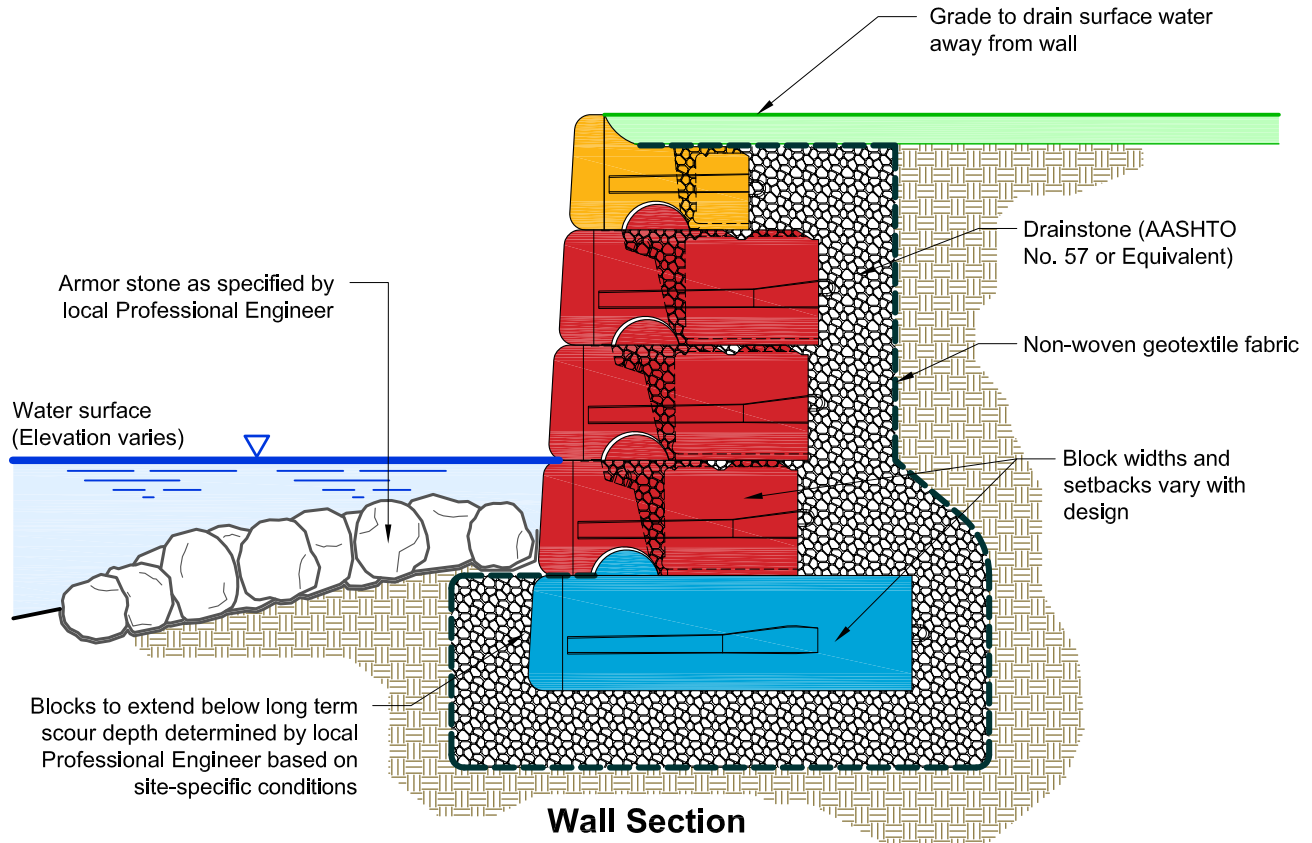
F-HC FREESTANDING BLOCK WATERSTOP OPTIONS

FILE: F-HC Waterstop Options 122017.dwg

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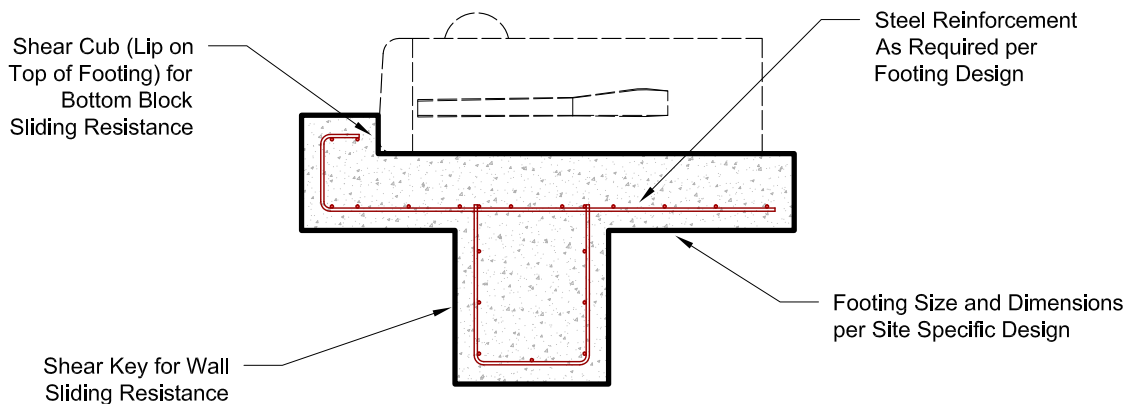
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Conceptual Seawall Detail




Notes:

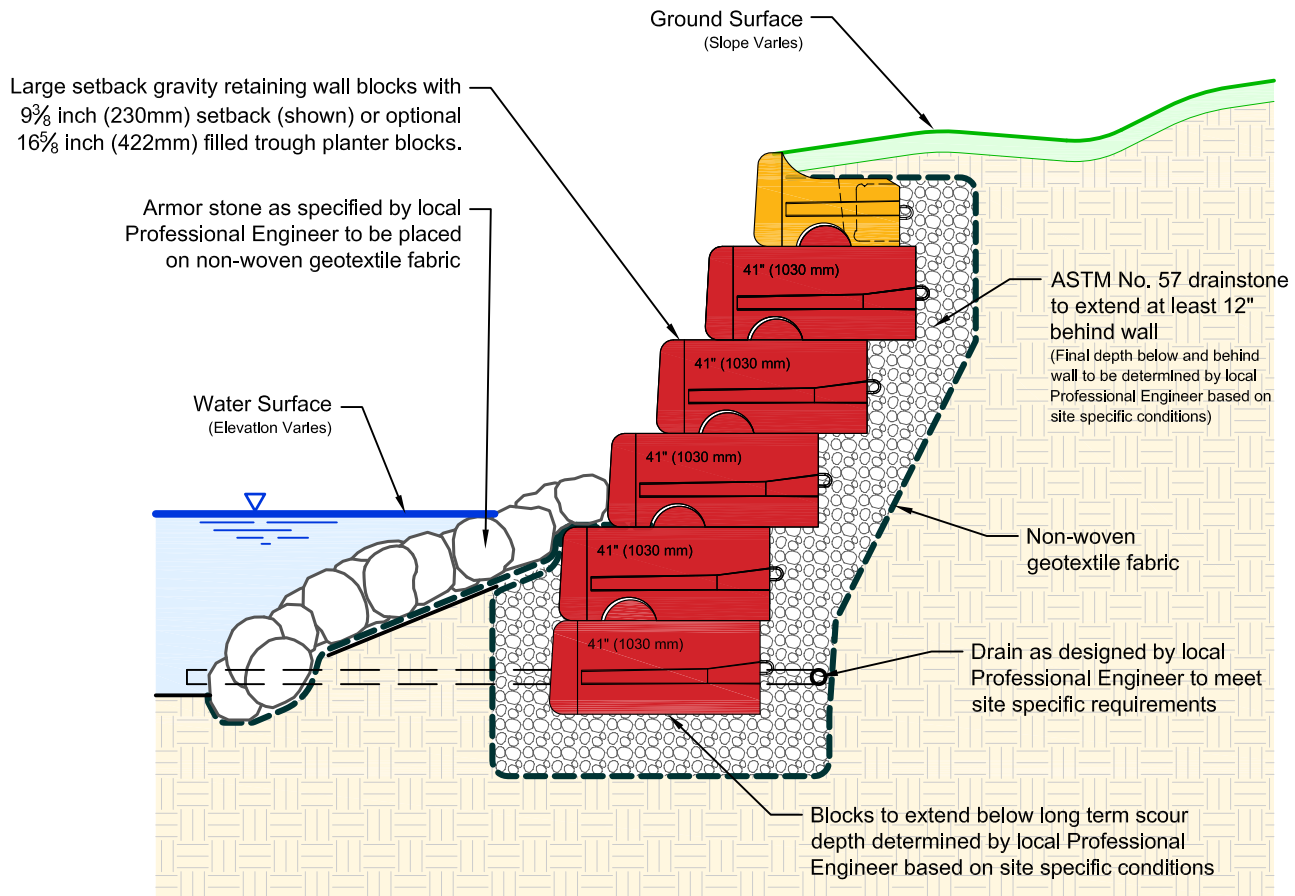
- Use ASTM No. 57 stone (or as specified by local Professional Engineer) to infill between blocks.
- Preliminary wall height charts do not apply and should not be used for walls in water applications due to the variety of site-specific variables.
- Contact your local Professional Engineer for specific details and final design.
- Walls may require geogrid reinforcement.
- Refer to final engineering plans.



Optional Concrete Footing

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DRAWN BY:	JRJ	Conceptual Seawall Detail Normal Setback Blocks	 05481 US 31 SOUTH, CHARLEVOIX, MI 49720 (866) 222-8400 ext 3010 • engineering@redi-rock.com www.redi-rock.com
APPROVED BY:	JRJ		
DATE:	17MAR2016		
SHEET:	1 of 1		
FILE:		1 Conceptual Seawall Detail - Normal 031716.dwg	

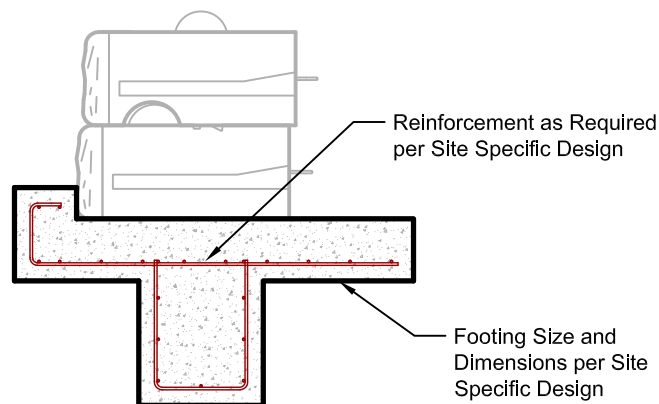


NOTES:

- Both 9 $\frac{3}{8}$ " (230mm) and 16 $\frac{5}{8}$ " (422mm) (with filled trough) setback blocks could be considered for seawall applications
- Use ASTM No. 57 stone (or as specified by local Professional Engineer) to infill between blocks.
- Maximum wall height charts are not provided for walls in water applications due to the variety of site-specific variables. Contact your local Professional Engineer for specific details and final design.
- Walls may require geogrid reinforcement. Refer to final engineering plans.


SEAWALL WITH LARGE SETBACK BLOCKS - CONCEPTUAL SECTION

(NO SCALE)

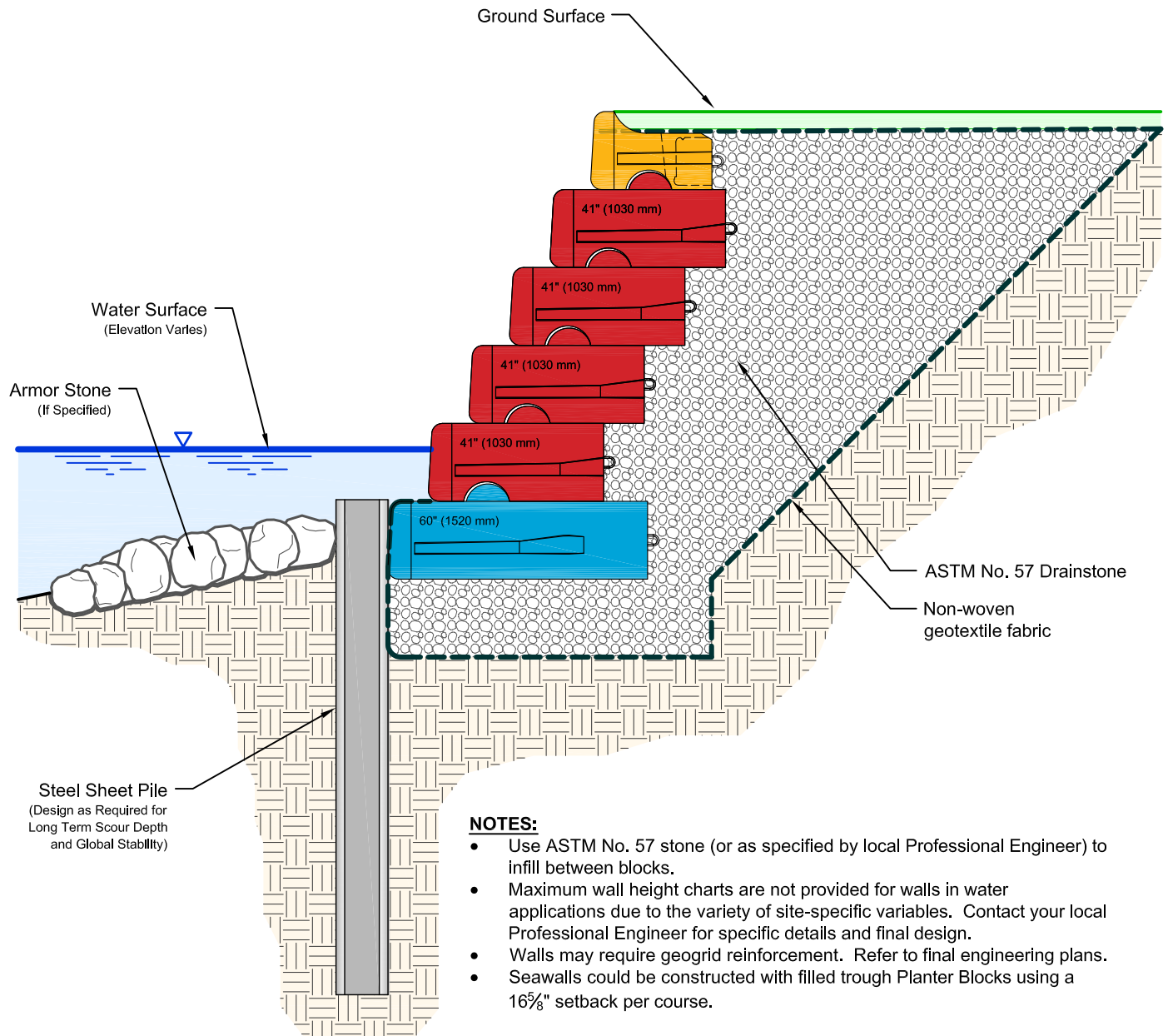


OPTIONAL CONCRETE FOOTING

(NO SCALE)

DRAWN BY:	JRJ	TITLE: Conceptual Seawall Detail Large Setback Blocks	 05481 US 31 SOUTH, CHARLEVOIX, MI 49720 (866) 222-8400 ext 3010 • engineering@redi-rock.com www.redi-rock.com
APPROVED BY:	JRJ		
DATE:	23MAR2016		
SHEET:	1 of 1	FILE: 2 Conceptual Seawall Detail - Large Setback 032316.dwg	

Conceptual Sheetpile Protected Seawall Detail



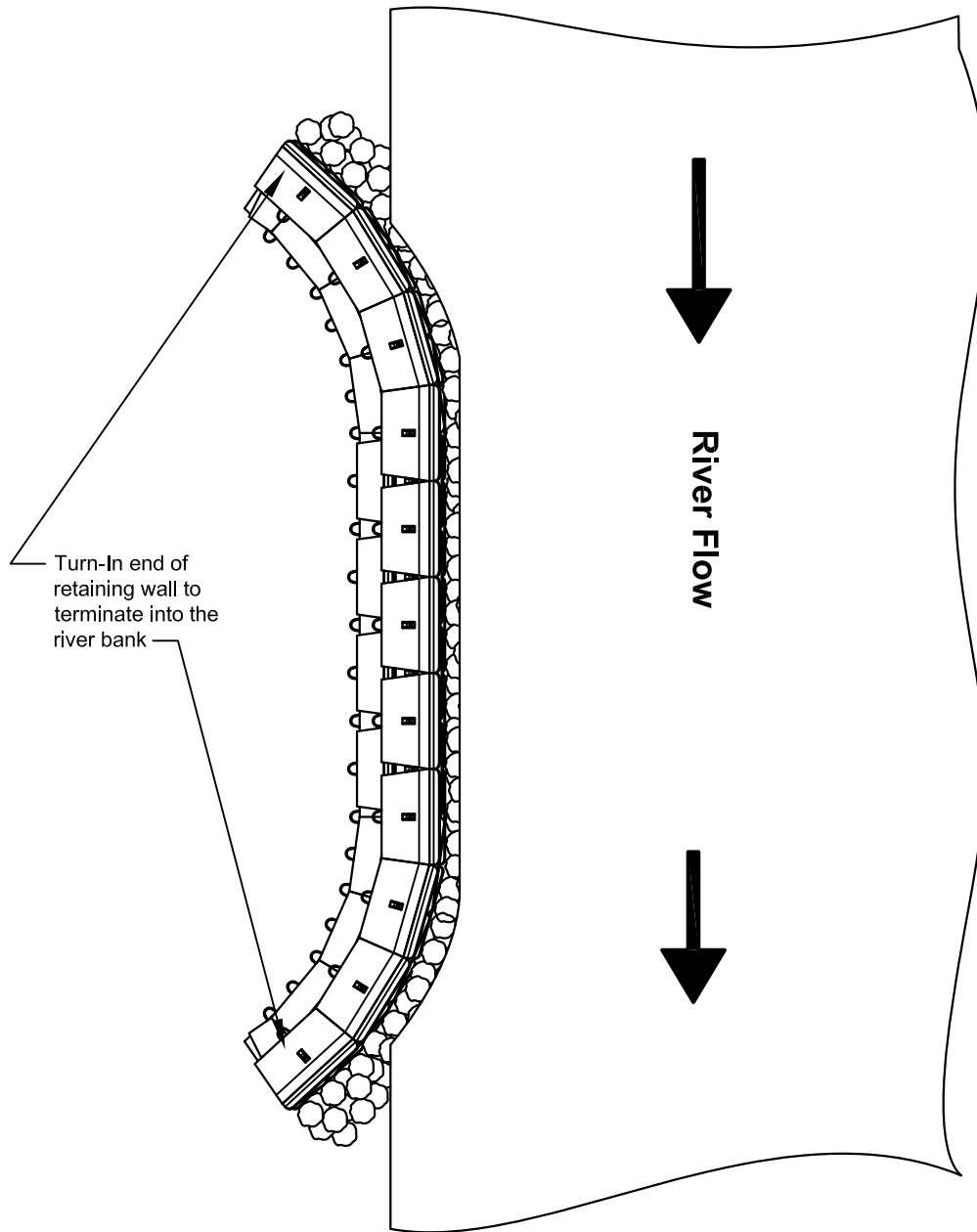
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DRAWN BY: JRJ
 APPROVED BY: JRJ
 DATE: 17MAR2016
 SHEET: 1 of 1

TITLE: Conceptual Seawall Detail
 Sheetpile Scour Protection
 FILE: 3 Conceptual Seawall Detail Sheetpile Scour 031716.dwg

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STREAM SEAWALL RADIAL TERMINATION INTO BANK



Design must adequately address turning walls into the bank at both ends to assure water will not erode material from behind the wall.

Redi-Rock walls are an effective channel hardscape product when properly designed and installed.

DRAWN BY:	JRJ
APPROVED BY:	JRJ
DATE:	06-22-2015
SHEET:	1 of 1

TITLE:	Stream Seawall Radial Termination Into Bank
FILE:	4 Stream Seawall Radial Termination Into Bank 062215.dwg

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