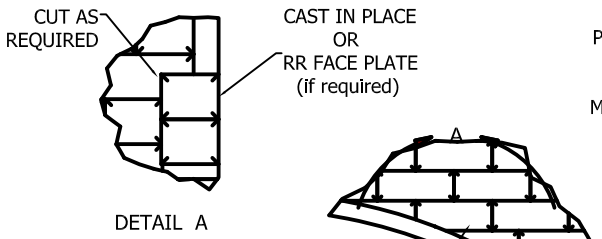
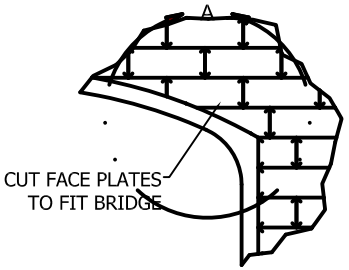
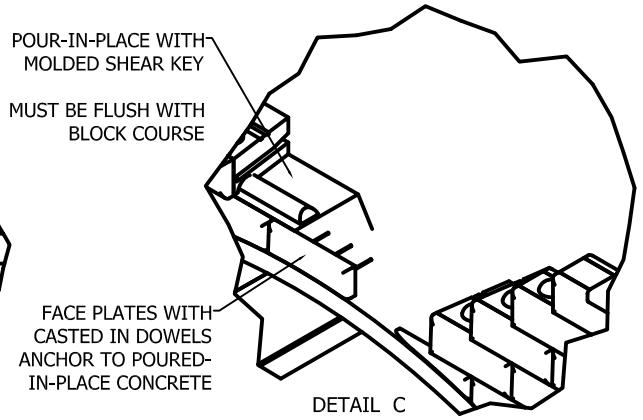


DETAIL A

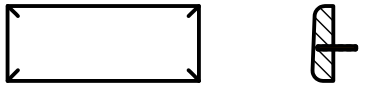


DETAIL B

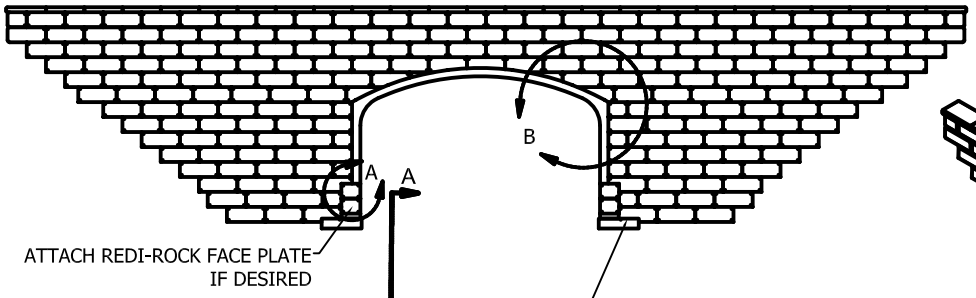


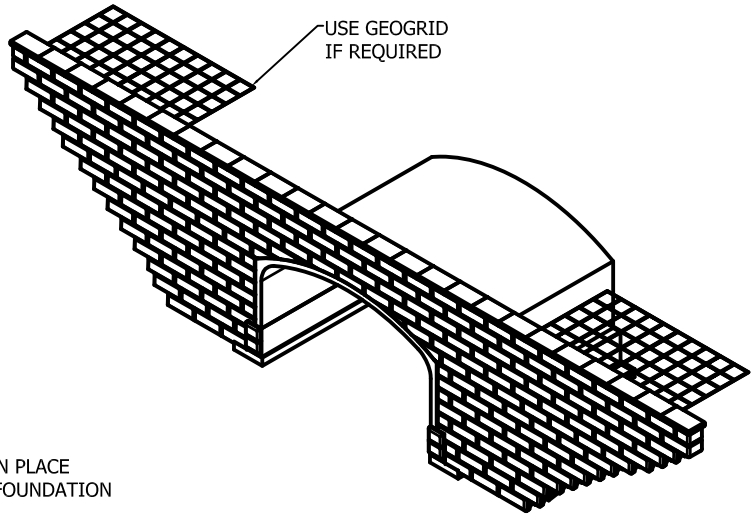
DETAIL C

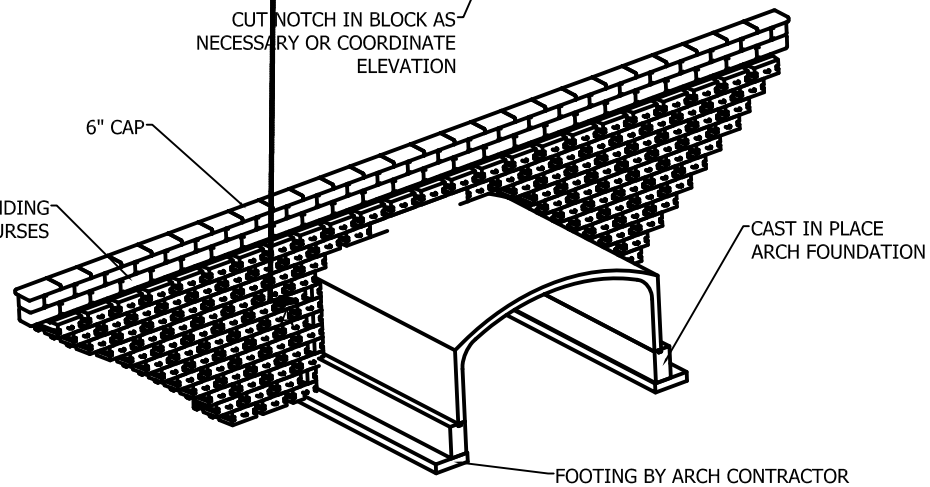
FACE PLATE WITH CASTED IN DOWEL
(LOCATION AND NUMBER OF DOWELS WILL
VARY DEPENDING ON HOW
FACE PLATE IS CUT)



SECTION D-D







This drawing is for reference only. Determination of the suitability and/or manner of use of any details contained in this document is the sole responsibility of the design engineer of record. Final project designs, including all construction details, shall be prepared by a licensed professional engineer using the actual conditions of the proposed site.

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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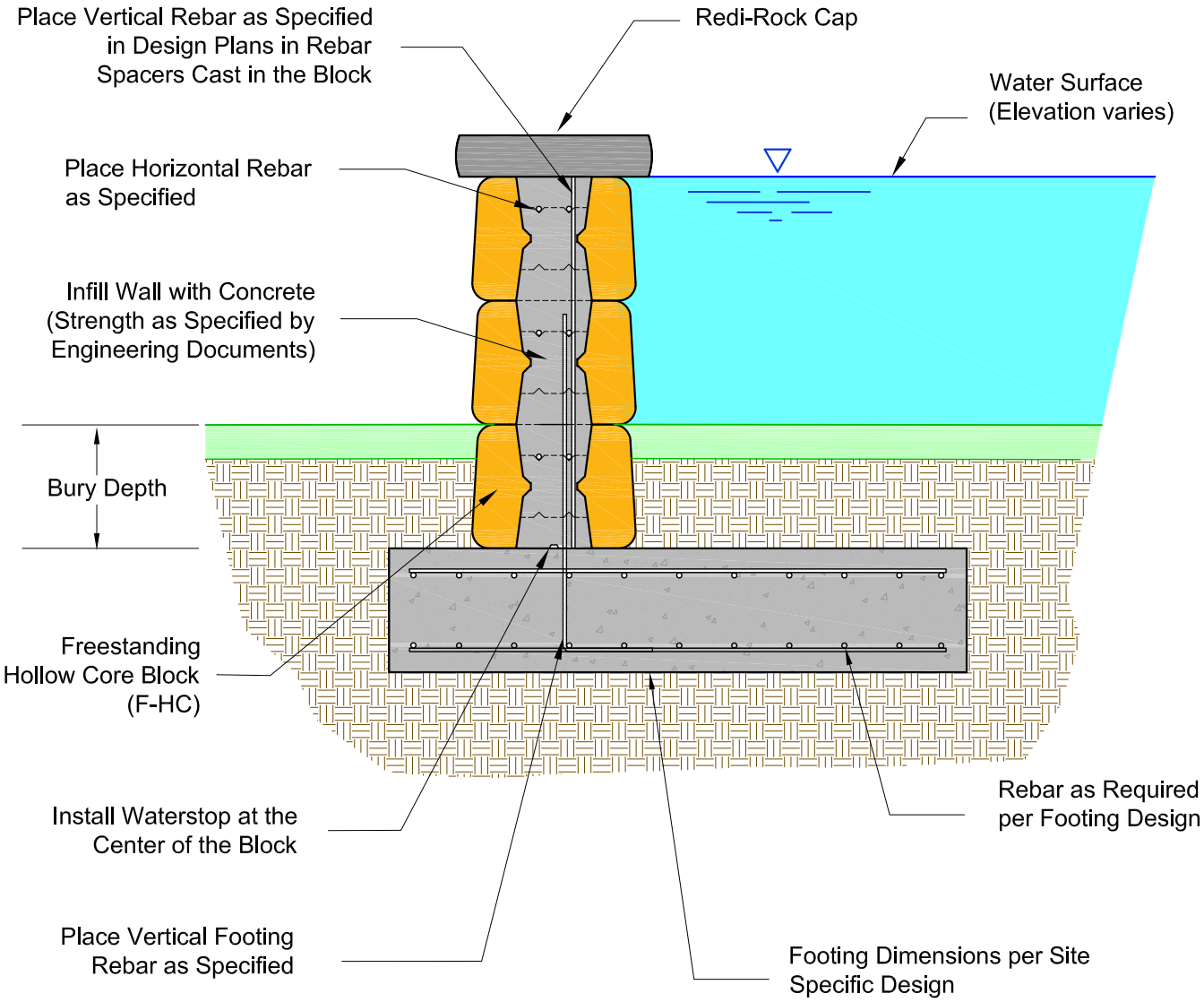
CONCEPTUAL FLOOD CONTROL WALL



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.

DRAWN BY:	D. Cerminaro	TITLE: **Conceptual Flood Control Wall Section**	REDI-ROCK
APPROVED BY:	J. Johnson		
DATE:	20 December 2017		
SHEET:	1 of 2	FILE: F-HC Conceptual Flood Control Wall Section 122017.dwg	

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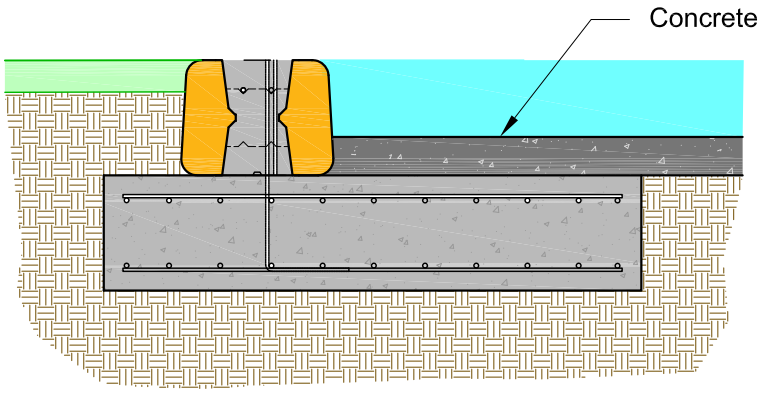
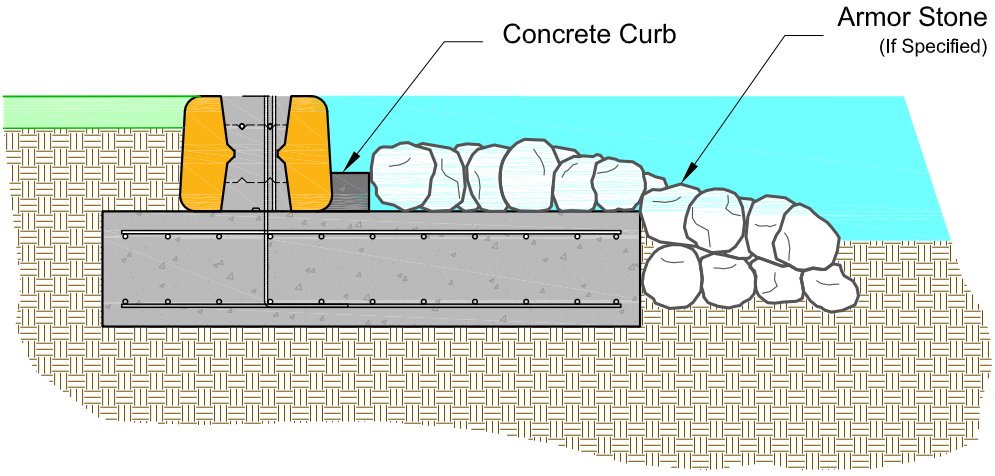
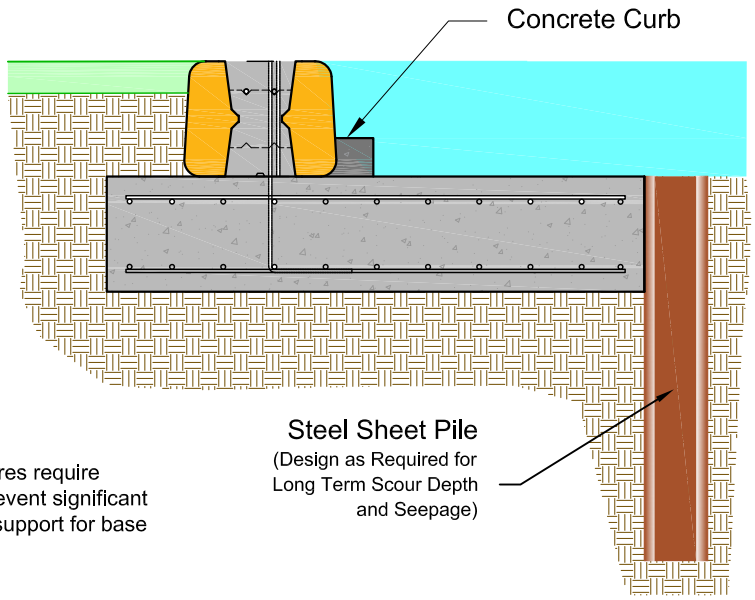
OPTIONAL BASE DETAILS FOR FLOOD CONTROL WALLS







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

DRAWN BY:	D. Cerminaro	TITLE: **Optional Base Details for Flood Control Walls**	REDI ROCK
APPROVED BY:	J. Johnson		
DATE:	20 December 2017		
SHEET:	2 of 2	FILE: F-HC Conceptual Flood Control Wall Section 122017.dwg	

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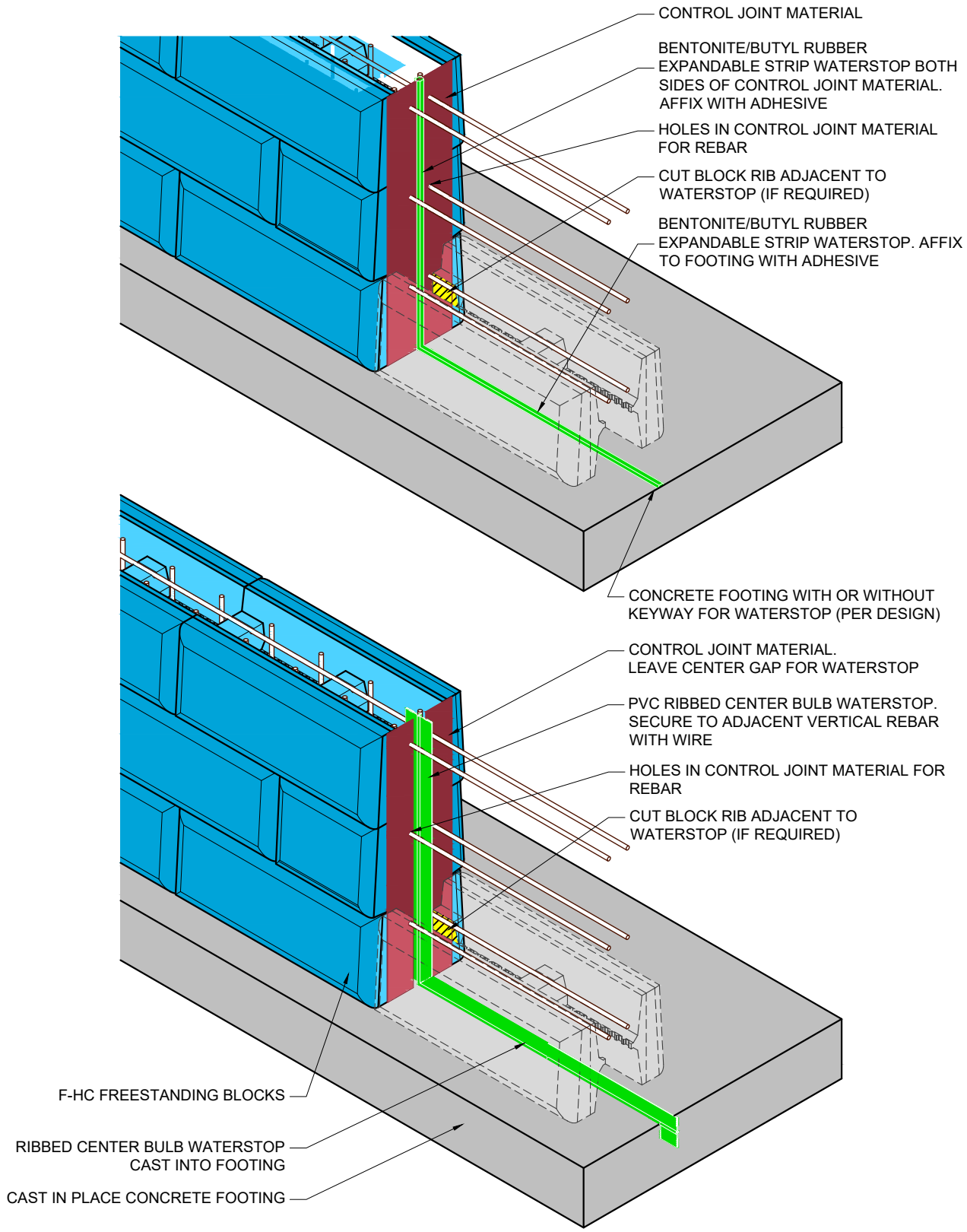

DRAWN BY:	N. LINDWALL
APPROVED BY:	J. JOHNSON
DATE:	12/20/17
SHEET:	1 of 1

TITLE:

F-HC FREESTANDING BLOCK WATERSTOP OPTIONS

FILE: F-HC Waterstop Options 122017.dwg

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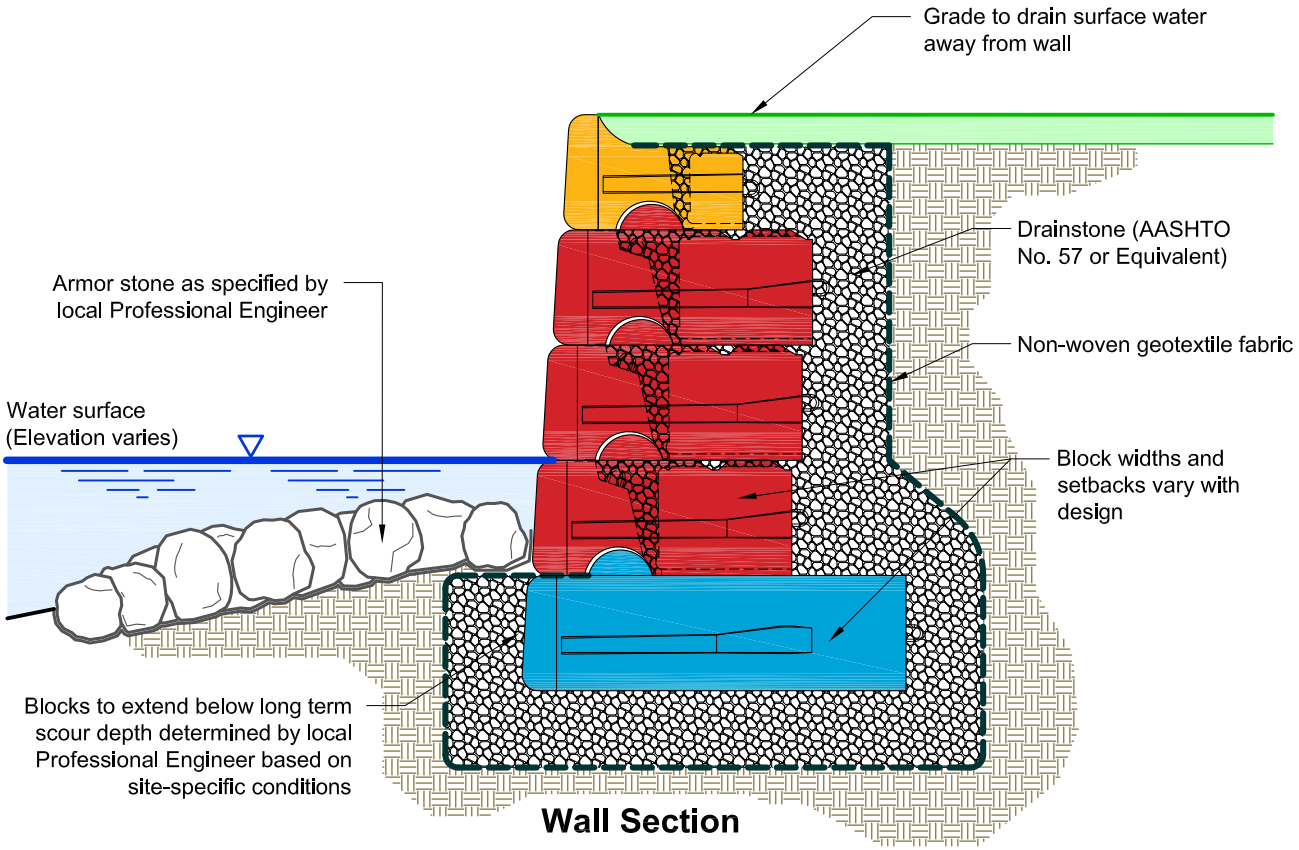
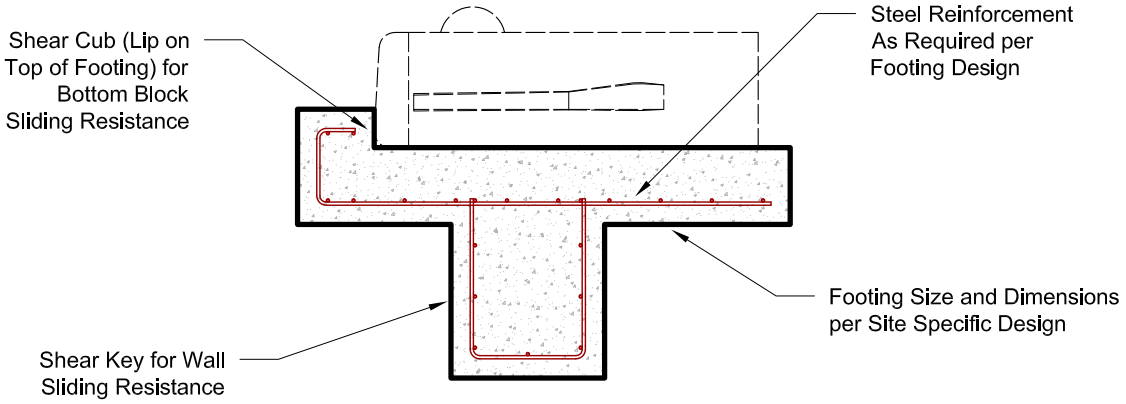
Conceptual Seawall Detail



Wall Section

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

DRAWN BY:	JRJ	TITLE:	Conceptual Seawall Detail Normal Setback Blocks
APPROVED BY:	JRJ		
DATE:	17MAR2016		
SHEET:	1 of 1	FILE:	1 Conceptual Seawall Detail - Normal 031716.dwg

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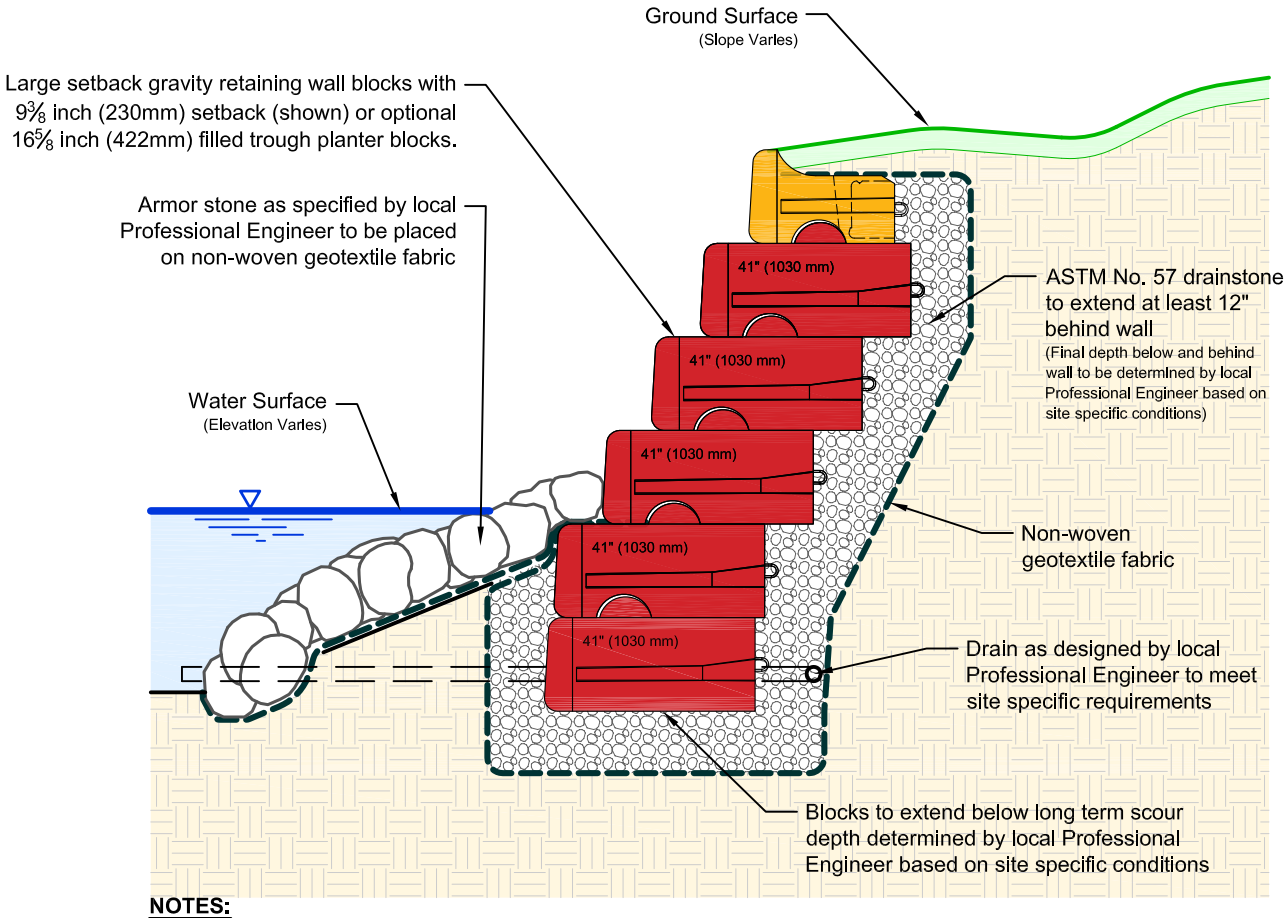
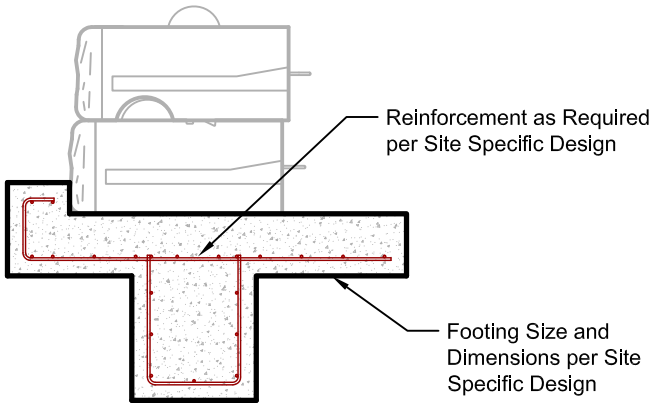


NOTES:

- Both 9⅜" (230mm) and 16⅝" (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
APPROVED BY:	JRJ		
DATE:	23MAR2016		
SHEET:	1 of 1	FILE:	2 Conceptual Seawall Detail - Large Setback 032316.dwg

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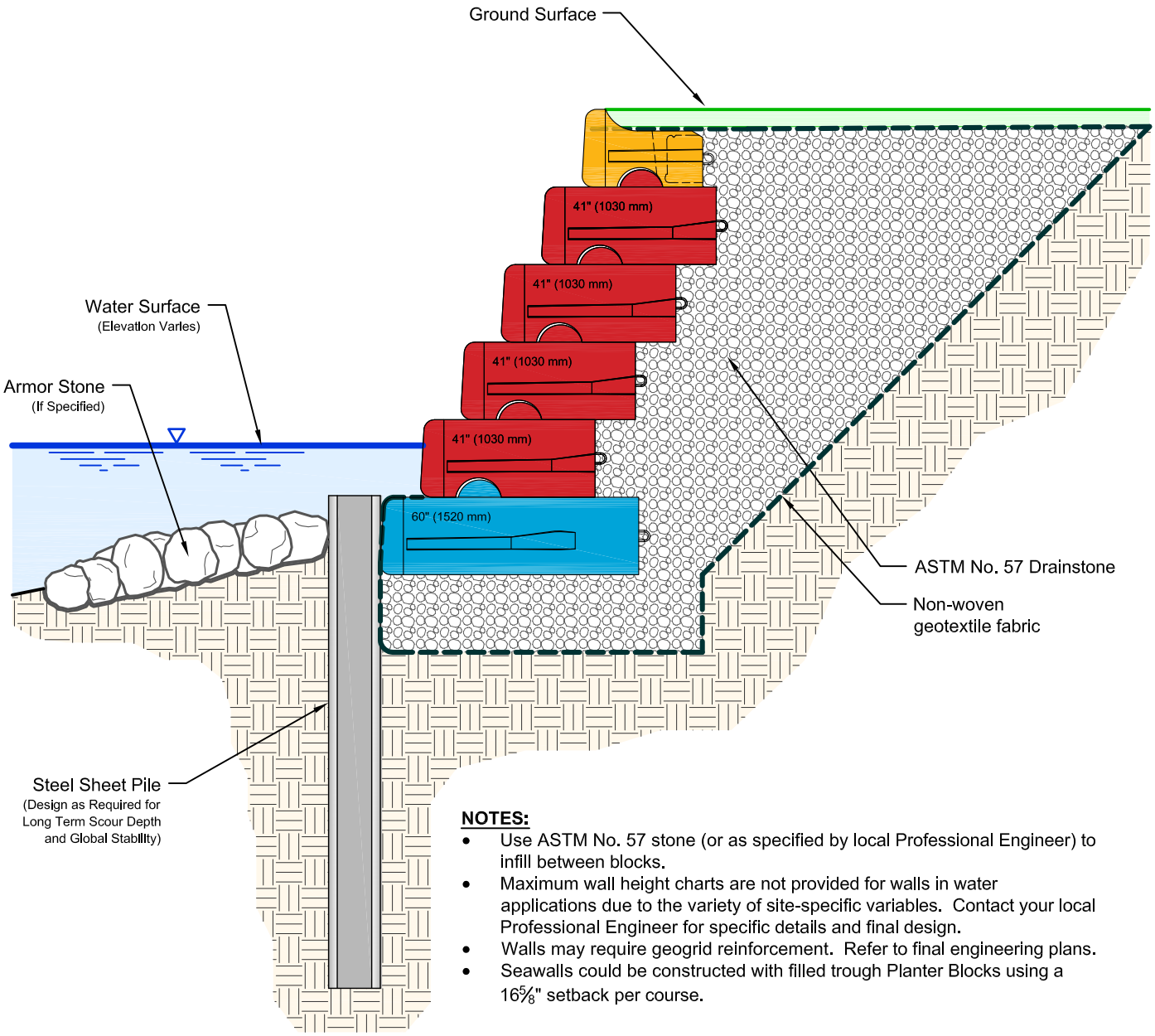
Conceptual Sheetpile Protected Seawall Detail



NOTES:

- 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.
- Seawalls could be constructed with filled trough Planter Blocks using a 16⅝" setback per course.

DRAWN BY:	JRJ	TITLE:	Conceptual Seawall Detail Sheetpile Scour Protection
APPROVED BY:	JRJ		
DATE:	17MAR2016		
SHEET:	1 of 1	FILE:	3 Conceptual Seawall Detail Sheetpile Scour 031716.dwg

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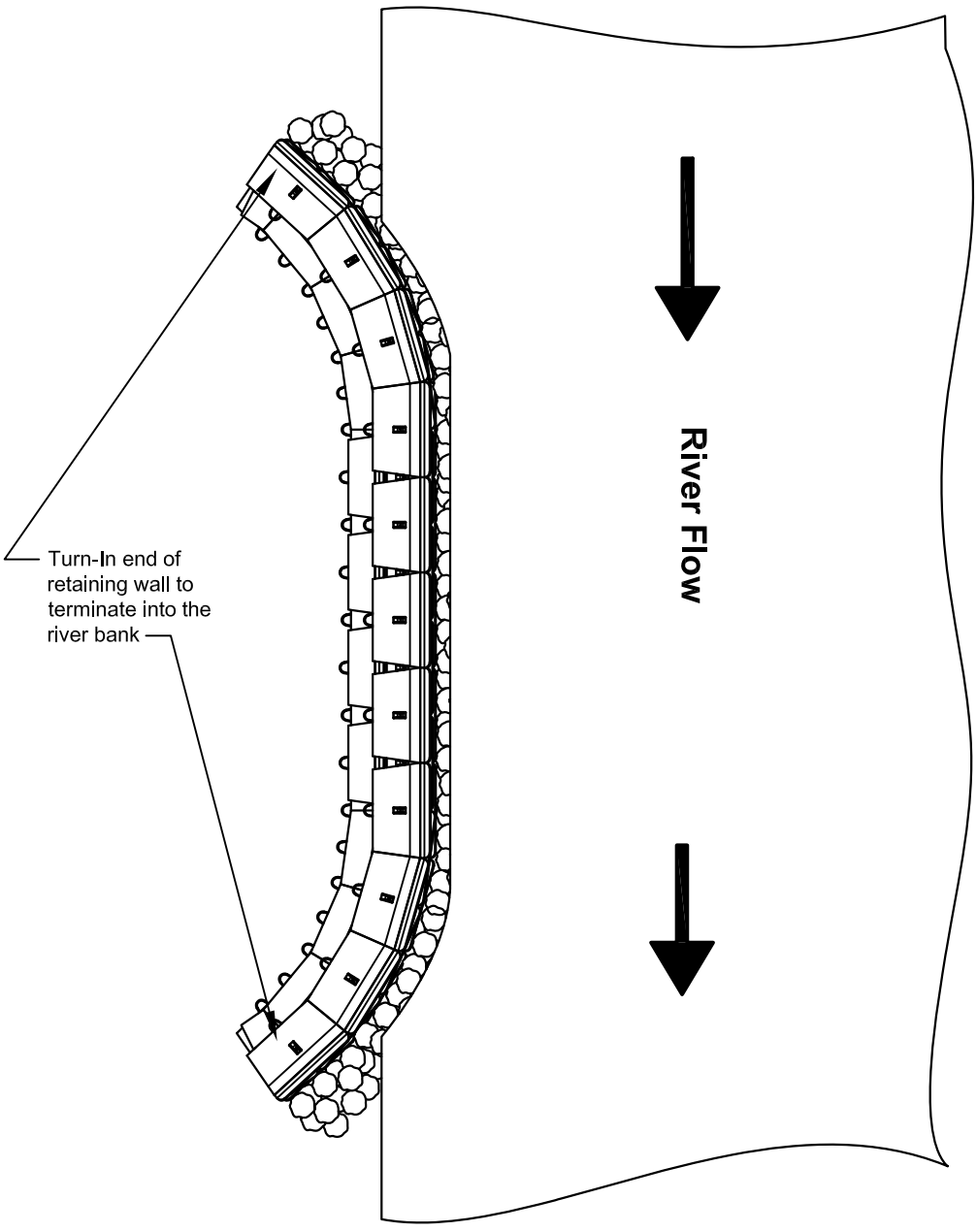
STREAM SEAWALL RADIAL TERMINATION INTO BANK



Design must adaquately 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	TITLE:	Stream Seawall Radial Termination Into Bank
APPROVED BY:	JRJ		
DATE:	06-22-2015		
SHEET:	1 of 1	FILE:	4 Stream Seawall Radial Termination Into Bank 062215.dwg

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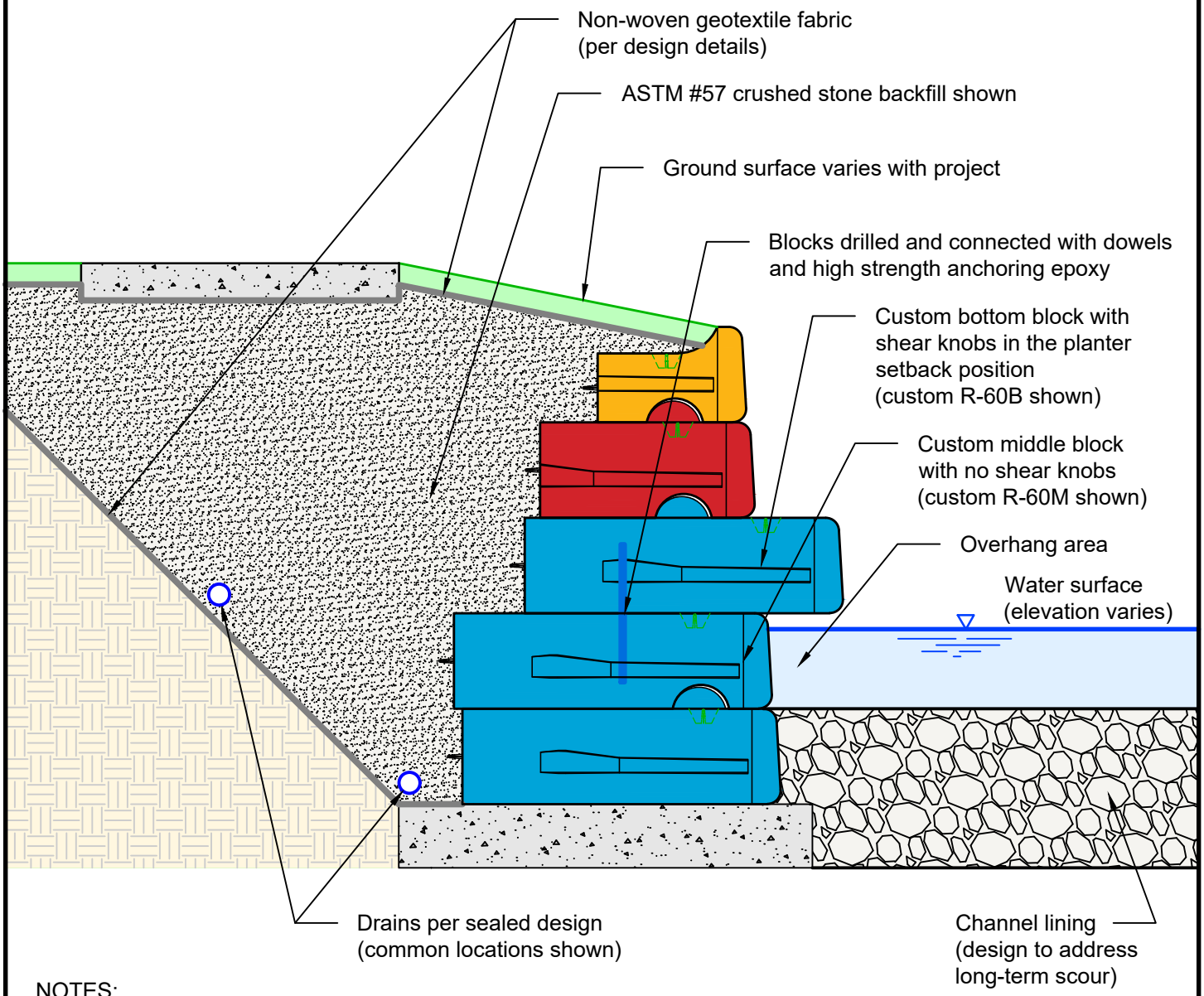
CONCEPTUAL OVERHANG BLOCK INSTALLATION



NOTES:

- Use ASTM No. 57 stone to infill between blocks.
- Project specific final design by a Professional Engineer competent in wall design required.
- All details including block sizes shown for reference only.
- Walls may require geogrid reinforcement.
- Crushed stone backfill shown as conceptual only.
- Refer to final engineering plans for all details.

DRAWN BY: J. Johnson	TITLE: Conceptual Waterfront Wall with Block Overhang	REDI ROCK
APPROVED BY:		3890 Charlevoix Ave, Suite 310, Petoskey, MI 49770
DATE: March 2, 2023		(866) 222-8400 ext 33010 • engineering@redi-rock.com
SHEET: 1 of 1	FILE: Waterfront Block Overhang Detail 030223.dwg	www.redi-rock.com