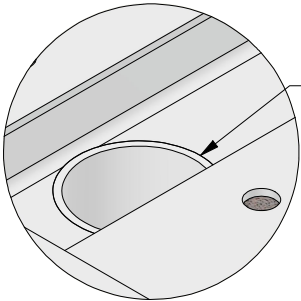
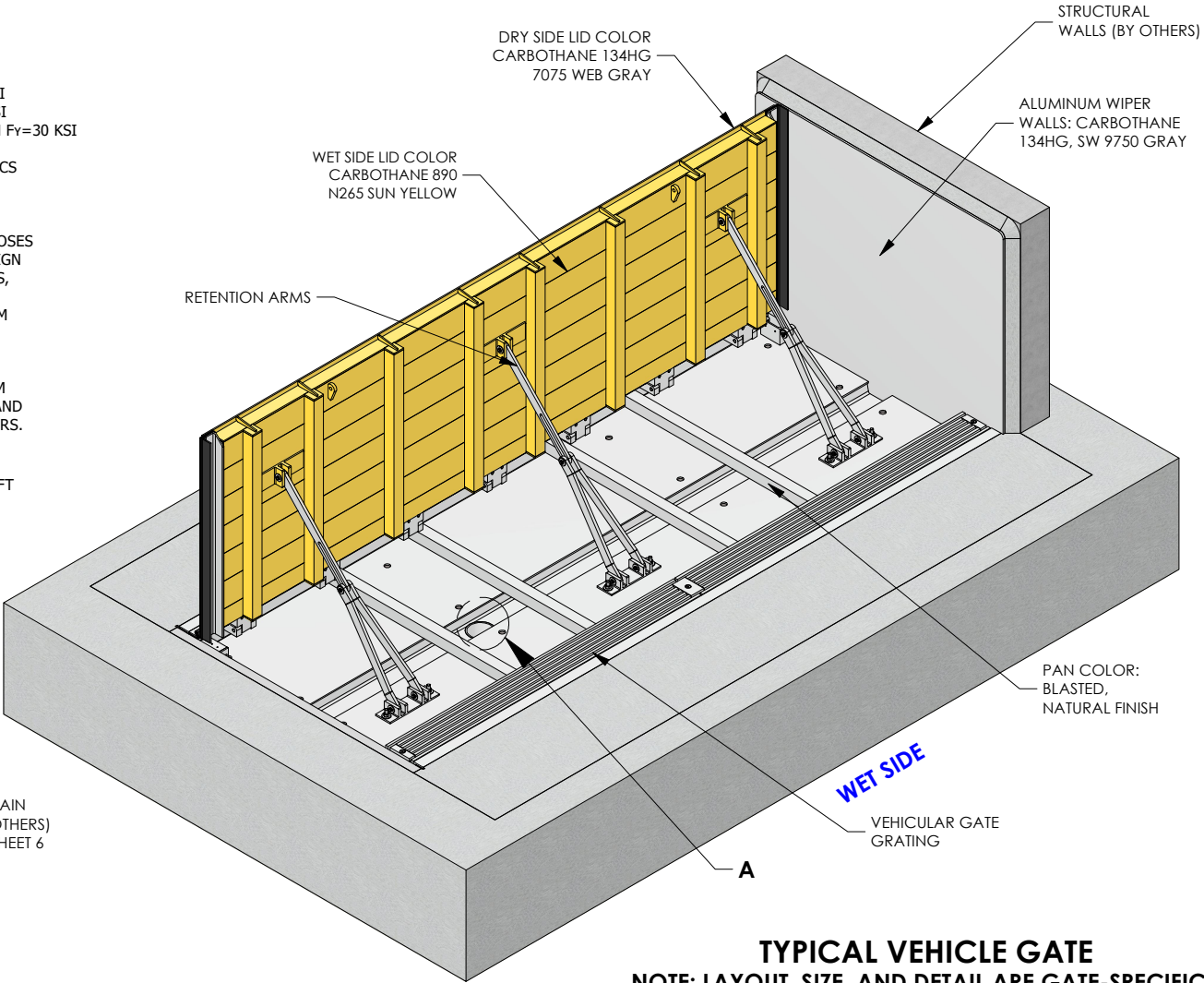


STRUCTURAL SPECIFICATIONS:

- 1. FLOODGATE MATERIAL TO BE ALUMINUM AS FOLLOWS:
 - LID EXTRUSION - CUSTOM EXTRUSION - GRADE 6005A-T5 MIN Fy=31 KSI
 - LID AND PAN STIFFENER - TUBING - GRADE 6061-T6 MIN Fy=35 KSI
 - SMOOTH SHEET/PLATE - GRADE 5052 MIN Fy=25.8 KSI
 - AND GRADE 6061 MIN Fy=35 KSI
- RETENTION ARMS - BAR - GRADE 6061-T6 MIN Fy=35 KSI
- FLAT BARS, ANGLES, CHANNELS AND HINGES - GRADE 6061 MIN Fy=35 KSI
- 2. HINGE AND RETENTION PINS TO BE STAINLESS STEEL GRADE 304 Fy=50 KSI
- 3. BOLTS, FASTENERS AND ANCHORS TO BE STAINLESS STEEL GRADE 304 MIN Fy=30 KSI
- 4. ANCHOR BOLTS TO BE STAINLESS STEEL - GRADE 304 SET IN HILTI 200 INJECTABLE, TWO-COMPONENT, HYBRID ADHESIVE APPLIED PER HILTI SPECS
- 5. ALUMINUM TO BE WELDED WITH ALUMINUM WIRE - PER 4043 AWS A5.10
- 6. GROUT TO BE COMMERCIAL-GRADE NON-SHRINKING GROUT
- 7. ALL CONCRETE FOUNDATION POURS AND THEIR TIE-DOWNS TO EXISTING FOUNDATIONS SHOWN IN THESE DRAWINGS ARE FOR ILLUSTRATIVE PURPOSES ONLY. DESIGN OF THE CONCRETE FOUNDATION SLABS IS BY OTHERS. DESIGN AND SUPERVISION OF INSTALLATION OF RETENTION ARMS, ANCHOR BOLTS, AND GATE ANCHORS ARE BY FLOODBREAK. ALL CONCRETE TO BE 4000 PSI MINIMUM 28-DAY STRENGTH. REINFORCED IN EACH DIRECTION WITH ASTM A615 MIN Fy=60 KSI. SPECIAL ATTENTION SHALL BE TO PROPER SUPPORT OF RETENTION ARM ANCHOR BOLTS INTO THE SUPPORTING CONCRETE.
- 8. FLOODBREAK RECOMMENDS ALL ENCASING CONCRETE FILL TO BE MINIMUM 3500PSI TO MEET HS-20/25 LOADING REQUIREMENTS. FINAL MIX DESIGN AND ANY REINFORCEMENT REQUIREMENTS SPECIFIED AND INSTALLED BY OTHERS.
- 9. ALL GASKET MATERIAL TO BE EPDM RUBBER.
- 10. TOTAL WEIGHT: ~18.6 LBS/FT² FOR STANDARD VEHICULAR GATE
~23.0 LBS/FT² FOR VEHICULAR GATE WITH HYDRAULIC LIFT

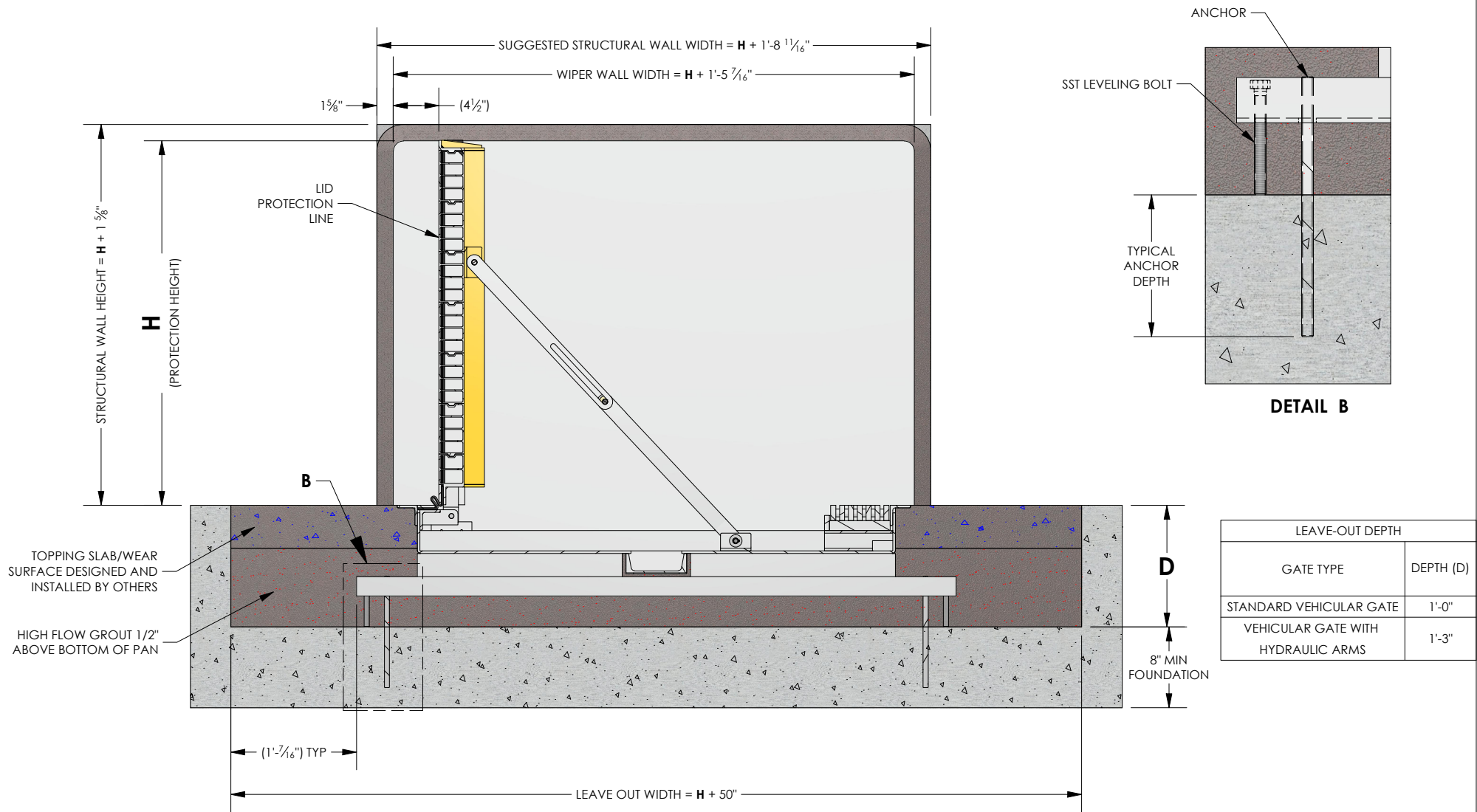


DETAIL A

TYPICAL VEHICLE GATE
NOTE: LAYOUT, SIZE, AND DETAIL ARE GATE-SPECIFIC

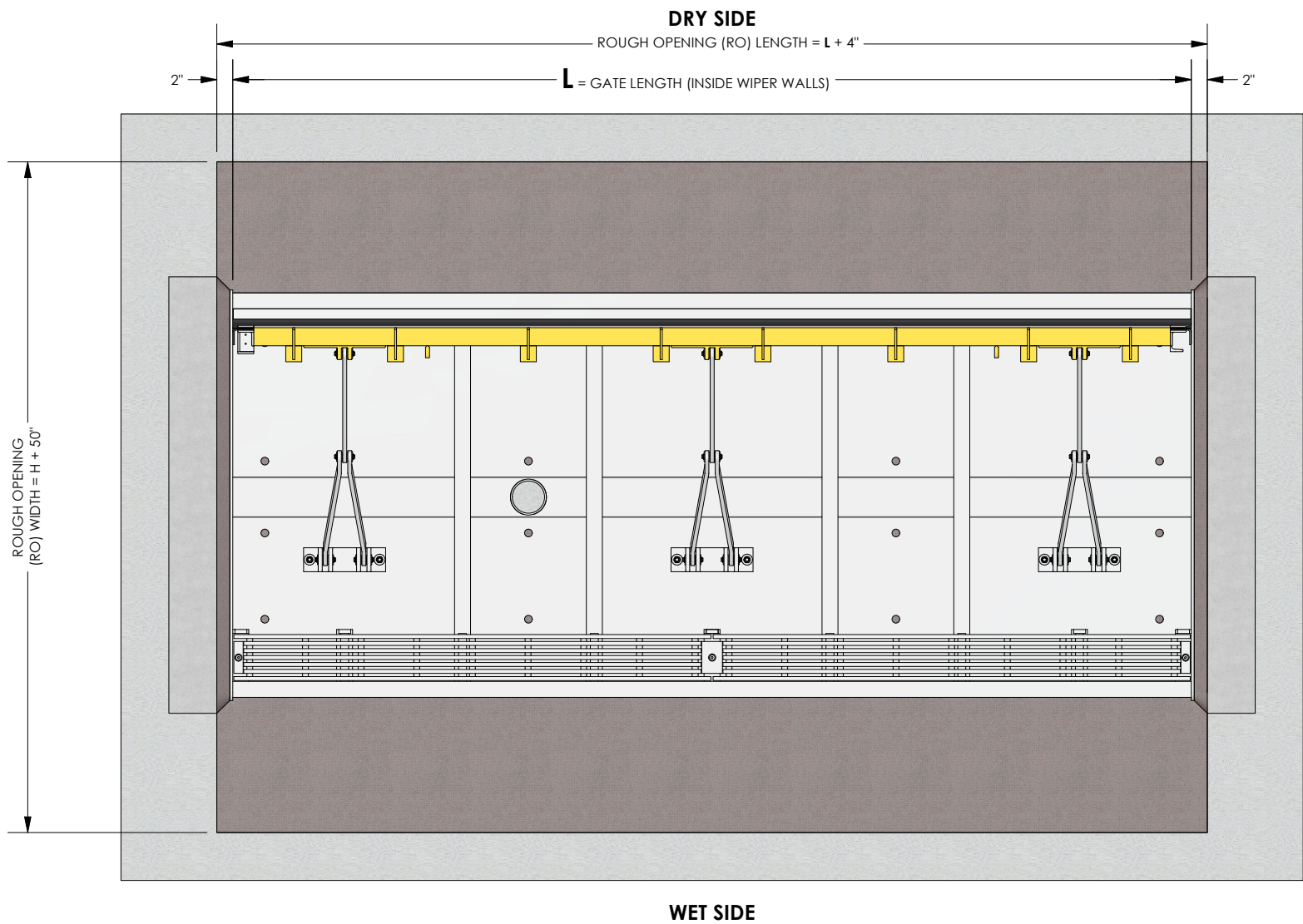
LEFT WALL HIDDEN FOR CLARITY

FINISH	SEE WO	CONTRACT	TBD	FloodBreak REVOLUTIONARY FLOOD CONTROL http://floodbreak.com	
SERIAL	TBD	PRODUCT	VEHICLE GATE		
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		DRAWN			EXAMPLE VEHICULAR GATE
		CHECKED			
		APPROVED			
DO NOT SCALE DRAWING		SHEET SIZE	DRAWING		REV
		A	XXXXX-VGEX-00000-00		0
		SCALE	N/A		SHEET 1 OF 6



FINISH	SEE WO	CONTRACT	TBD		<h1 style="margin: 0;">FloodBreak</h1> <h2 style="margin: 0;">REVOLUTIONARY FLOOD CONTROL</h2> <p style="margin: 0;">http://floodbreak.com</p>	
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			DRAWN			
			CHECKED			
APPROVED					TITLE	
DO NOT SCALE DRAWING					EXAMPLE VEHICULAR GATE	
					SHEET SIZE: A DRAWING: XXXXX-VGEX-00000-00 SCALE: N/A	REV: 0 SHEET: 2 OF 6

PLAN VIEW RELATIVE TO LEAVE-OUT



WET SIDE

FINISH	SEE WO	CONTRACT	TBD	
SERIAL	TBD	PRODUCT	VEHICLE GATE	
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		DRAWN		
		CHECKED		
		APPROVED		
DO NOT SCALE DRAWING		SHEET SIZE		DRAWING
		A		XXXXX-VGEX-00000-00
		SCALE		N/A
		SHEET		3 OF 6

FloodBreak

REVOLUTIONARY FLOOD CONTROL

<http://floodbreak.com>

TITLE

EXAMPLE
VEHICULAR GATE

REV

0

STRUCTURAL WALL
(BY OTHERS)

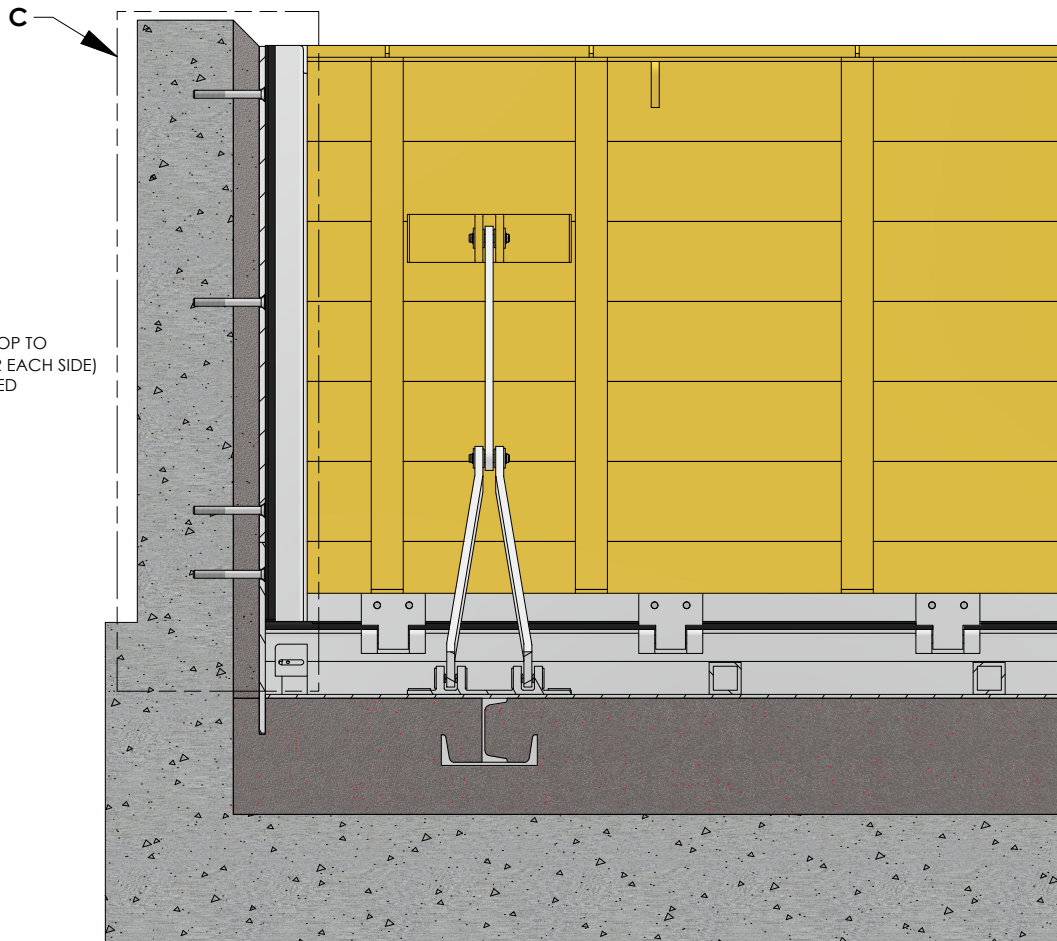
45° CHAMFERED GROUT
EACH EDGE

1½" NON-SHRINK GROUT SOLID FROM TOP TO
BOTTOM OF WIPER WALLS (TYPICAL FOR EACH SIDE)
EXPOSED GROUT SURFACES TO BE SEALED

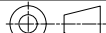
2½" MIN EMBED

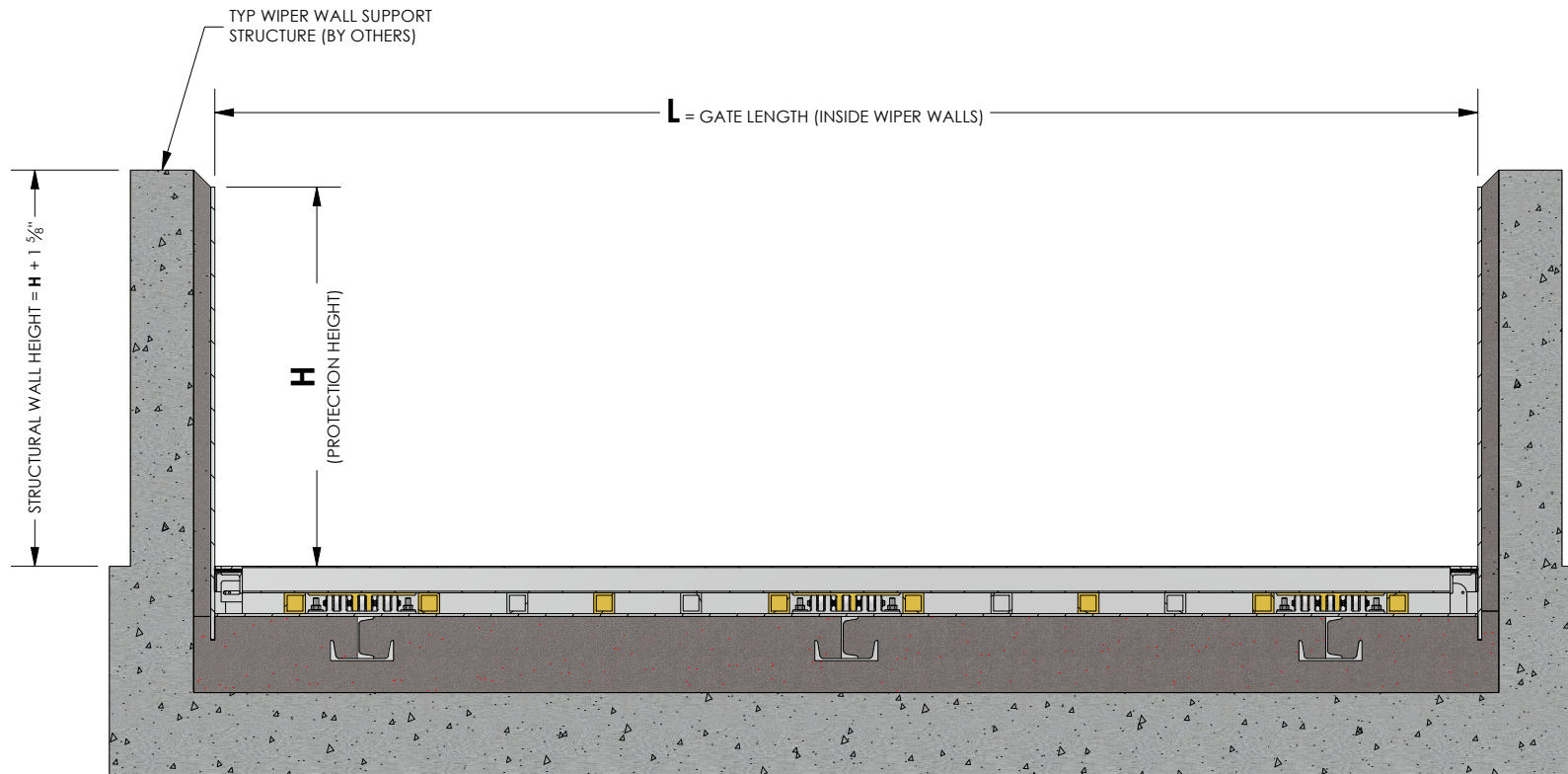
½" SST WEDGE ANCHOR BOLT

DETAIL C
WIPER WALL FRONT SECTION



GATE LONGITUDINAL SECTION OPEN
SECTION VIEW FROM WET SIDE
CROPPED FOR CLARITY

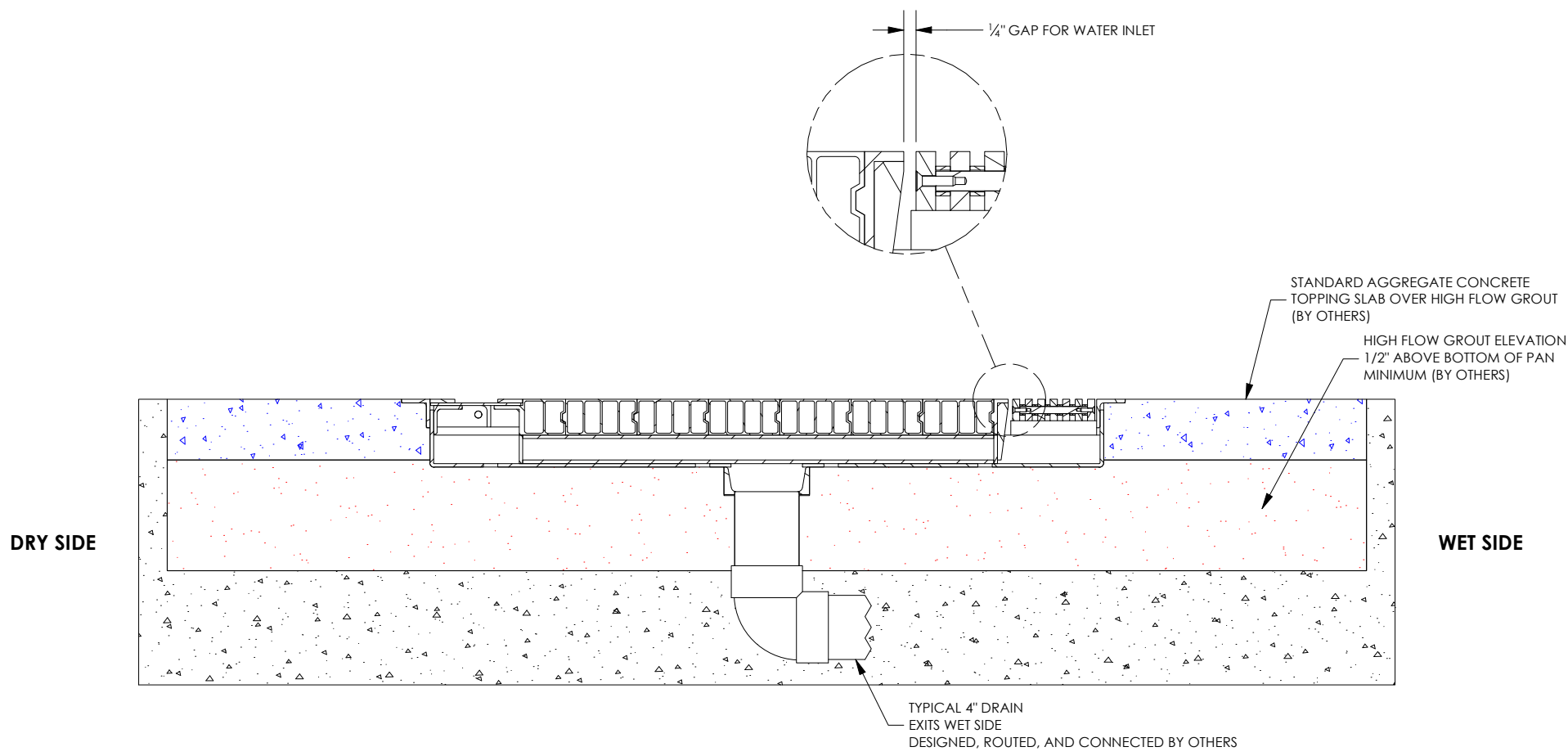
FINISH	SEE WO	CONTRACT	TBD		<div>FloodBreak</div> <div>REVOLUTIONARY FLOOD CONTROL</div> <div>http://floodbreak.com</div>		
SERIAL	TBD	PRODUCT	VEHICLE GATE				
<div>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE INTELLECTUAL PROPERTY OF FLOODBREAK, LLC., AND IS COVERED BY U.S. PATENTS AT PAT: HTTP://FLOODBREAK.COM/PATENTS/ AND PATENTS PENDING. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FLOODBREAK, LLC. IS PROHIBITED.</div>			NAME	DATE	<div>TITLE</div> <div>EXAMPLE VEHICULAR GATE</div>		
		DRAWN					
		CHECKED					
		APPROVED			<div>SHEET SIZE</div> <div>DRAWING</div> <div>A</div> <div>XXXXX-VGEX-00000-00</div> <div>REV</div> <div>0</div>		
		<div>DO NOT SCALE DRAWING</div>			<div>SCALE</div> <div>N/A</div>	<div></div>	<div>SHEET</div> <div>4 OF 6</div>



**LONGITUDINAL SECTION IN CLOSED POSITION
(VIEW FROM WET SIDE)**

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		DRAWN			EXAMPLE VEHICULAR GATE
		CHECKED			
		APPROVED			
		DO NOT SCALE DRAWING			SHEET SIZE A
					DRAWING XXXXX-VGEX-00000-00
					SCALE N/A
					SHEET 5 OF 6
					REV 0

ENCASEMENT POURING DETAILS



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SERIAL	TBD	PRODUCT	VEHICLE GATE				
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		DRAWN			EXAMPLE VEHICULAR GATE		
		CHECKED					
		APPROVED					
		DO NOT SCALE DRAWING			SHEET SIZE	DRAWING	REV
					A	XXXXX-VGEX-00000-00	0
					SCALE	N/A	SHEET
							6 OF 6