

FLOODPROOFING CERTIFICATE FOR NON-RESIDENTIAL STRUCTURES

Paperwork Burden Disclosure Notice

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General: This information is provided pursuant to Public Law 96-511 (the Paperwork Reduction Act of 1980, as amended), dated December 11, 1980, to allow the public to participate more fully and meaningfully in the Federal paperwork review process.

Authority: Public Law 96-511, amended; 44 U.S.C. 3507; and 5 CFR 1320.

Privacy Act Statement

Authority: Title 44 CFR § 61.7 and 61.8.

Principal Purpose(s): This information is being collected for the primary purpose of estimating the risk premium rates necessary to provide flood insurance for new or substantially improved structures in designated Special Flood Hazard Areas.

Routine Use(s): The information on this form may be disclosed as generally permitted under 5 U.S.C. § 552a(b) of the Privacy Act of 1974, as amended. This includes using this information as necessary and authorized by the routine uses published in DHS/FEMA-003 – National Flood Insurance Program Files System or Records Notice 73 Fed. Reg. 77747 (December 19, 2008); DHS/FEMA/NFIP/LOMA-1 – National Flood Insurance Program (NFIP) Letter of Map Amendment (LOMA) System of Records Notice 71 Fed. Reg. 7990 (February 15, 2006); and upon written request, written consent, by agreement, or as required by law.

Disclosure: The disclosure of information on this form is voluntary; however, failure to provide the information requested may result in the inability to obtain flood insurance through the National Flood Insurance Program or being subject to higher premium rates for flood insurance. Information will only be released as permitted by law.

Purpose of the Floodproofing Certificate for Non-Residential Structures

Under the National Flood Insurance Program (NFIP), the floodproofing of non-residential buildings may be permitted as an alternative to elevating to or above the Base Flood Elevation (BFE). A floodproofing design certification is required for non-residential structures that are floodproofed. This form is to be used for that certification.

A floodproofed building is a building that has been designed and constructed to be watertight (substantially impermeable to floodwaters) below the BFE and with structural components having the capability of resisting hydrostatic and hydrodynamic loads and effects of buoyancy. Before a floodproofed building is designed, numerous planning considerations, including flood warning time, uses of the building, mode of entry to and exit from the building and the site in general, floodwater velocities, flood depths, debris impact potential, and flood frequency, must be addressed to ensure that dry floodproofing will be a viable floodplain management measure.

The minimum NFIP requirement is to floodproof a building to the BFE. However, when it is rated for flood insurance one-foot is subtracted from the floodproofed elevation. Therefore, a building has to be floodproofed to one foot above the BFE to receive the same favorable flood insurance rates as a building elevated to the BFE.

Additional guidance can be found in FEMA Publication 936, Floodproofing Non-Residential Buildings (2013), available on FEMA's website at <https://www.fema.gov/media-library/assets/documents/34270>.

FLOODPROOFING CERTIFICATE FOR NON-RESIDENTIAL STRUCTURES

The floodproofing of non-residential buildings may be permitted as an alternative to elevating to or above the Base Flood Elevation; however, a floodproofing design certification is required. This form is to be used for that certification. Floodproofing of a residential building does not alter a community's floodplain management elevation requirements or affect the insurance rating unless the community has been issued an exception by FEMA to allow floodproofed residential basements. The permitting of a floodproofed residential basement requires a separate certification specifying that the design complies with the local floodplain management ordinance.

BUILDING OWNER'S NAME 18700 Hayden Road, LLC, an Ohio limited liability company		FOR INSURANCE COMPANY USE POLICY NUMBER COMPANY NAIC NUMBER
STREET ADDRESS (Including Apt., Unit, Suite, and/or Bldg. Number) OR P.O. ROUTE AND BOX NUMBER 18710 N. Hayden Road		
OTHER DESCRIPTION (Lot and Block Numbers, etc.)		
CITY Scottsdale	STATE AZ	Zip Code 85255

SECTION I – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

Provide the following from the proper FIRM:

COMMUNITY NUMBER	PANEL NUMBER	SUFFIX	DATE OF FIRM INDEX	FIRM ZONE	BASE FLOOD ELEVATION (in AO Zones, Use Depth)
04013C	1320	L	Sep. 18, 2020	AO	1'

Indicate elevation datum used for Base Flood Elevation shown above: ☐ NGVD 1929 ☒ NAVD 1988 ☐ Other/Source: _____

SECTION II – FLOODPROOFED ELEVATION CERTIFICATION (By a Registered Professional Land Surveyor, Engineer, or Architect)

All elevations must be based on finished construction.

Floodproofing Elevation Information:

Building is floodproofed to an elevation of 1625 . 50 feet (In Puerto Rico only: _____ . _____ meters).

☐ NGVD 1929 ☒ NAVD 1988 ☐ Other/Source: _____

(Elevation datum used must be the same as that used for the Base Flood Elevation.)

Height of floodproofing on the building above the lowest adjacent grade is 9.60 feet (In Puerto Rico only: _____ meters).

For Unnumbered A Zones Only:

Highest adjacent (finished) grade next to the building (HAG) 1623 . 50 feet (In Puerto Rico only: _____ . _____ meters).

☐ NGVD 1929 ☐ NAVD 1988 ☒ Other/Source: HAG based on natural grade in Flood Zone AO as req'd.


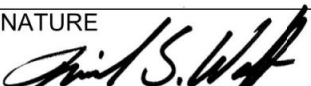
(NOTE: For insurance rating purposes, the building's floodproofed design elevation must be at least 1 foot above the Base Flood Elevation to receive rating credit. If the building is floodproofed only to the Base Flood Elevation, then the building's insurance rating will result in a higher premium. See the Instructions section for information on documentation that must accompany this certificate if being submitted for flood insurance rating purposes.)

FLOODPROOFING CERTIFICATE FOR NON-RESIDENTIAL STRUCTURES

Non-Residential Floodproofed Elevation Information Certification:

Section II certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information

I certify that the information in Section II on this Certificate represents a true and accurate interpretation and determination by the undersigned using the available information and data. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

CERTIFIER'S NAME Michael S. Wolf, P.E.	LICENSE NUMBER (or Affix Seal) 38929				
TITLE Director of Land Development	COMPANY NAME Hubbard Engineering				
ADDRESS 1201 S. Alma School Rd., Suite 12000	CITY Mesa			STATE Arizona	ZIP CODE 85210
SIGNATURE 	DATE 12-01-2020			PHONE +1 (480) 892-3313	

SECTION III – FLOODPROOFED CERTIFICATION (By a Registered Professional Engineer or Architect)



Non-Residential Floodproofed Construction Certification:

I certify the structure, based upon development and/or review of the design, specifications, as-built drawings for construction and physical inspection, has been designed and constructed in accordance with the accepted standards of practice (ASCE 24-05, ASCE 24-14 or their equivalent) and any alterations also meet those standards and the following provisions.

The structure, together with attendant utilities and sanitary facilities is watertight to the floodproofed design elevation indicated above, is substantially impermeable to the passage of water, and shall perform in accordance with the 44 Code of Federal Regulations (44 CFR 60.3(c)(3)).

All structural components are capable of resisting hydrostatic and hydrodynamic flood forces, including the effects of buoyancy, and anticipated debris impact forces.

I certify that the information in Section III on this certificate represents a true and accurate determination by the undersigned using the available information and data. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

CERTIFIER'S NAME Danial Hanes, AIA	LICENSE NUMBER (or Affix Seal) 64038				
TITLE Managing Member	COMPANY NAME The Columbus Architectural Studio				
ADDRESS 405 North Front St, Columbus OH 43215	CITY Columbus			STATE OH	ZIP CODE 43215
SIGNATURE 	DATE 2020-12-16			PHONE 614 370-7413	

Copy all pages of this Floodproofing Certificate and all attachments for 1) community official, 2) insurance agent/company, and 3) building owner.

FLOODPROOFING CERTIFICATE FOR NON-RESIDENTIAL STRUCTURES

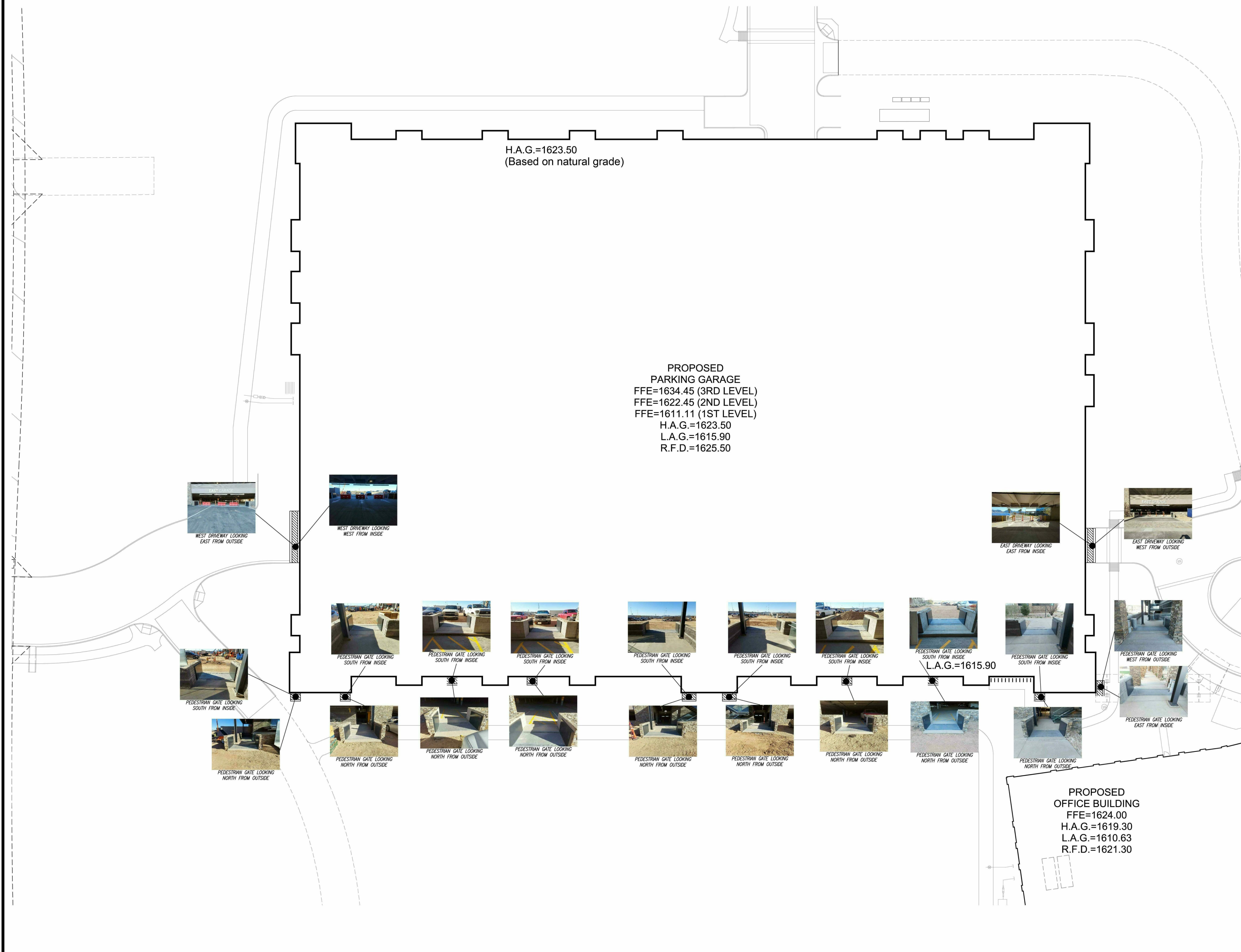
Instructions for Completing the Floodproofing Certificate for Non-Residential Structures

To receive credit for floodproofing, a completed Floodproofing Certificate for Non-Residential Structures is required for non-residential and business buildings in the Regular Program communities, located in zones A1–A30, AE, AR, AR Dual, AO, AH, and A with BFE.

In order to ensure compliance and provide reasonable assurance that due diligence had been applied in designing and constructing floodproofing measures, the following information must be provided with the completed Floodproofing Certificate:

- Photographs of shields, gates, barriers, or components designed to provide floodproofing protection to the structure.
- Written certification that all portions of the structure below the BFE that will render it watertight or substantially impermeable to the passage of water and must perform in accordance with Title 44 Code of Federal Regulations (44 CFR 60.3 (c)(3)).
- A comprehensive Maintenance Plan for the entire structure to include but not limited to:
Exterior envelope of the structure
All penetrations to the exterior of the structure
All shields, gates, barriers, or components designed to provide floodproofing protection to the structure
All seals or gaskets for shields, gates, barriers, or components
Location of all shields, gates, barriers, and components as well as all associated hardware, and any materials or specialized tools necessary to seal the structure.

P:\2018\18114\Draw\18114-203\Exhibit\18114-203_Flood Certification Exhibit-Photocasting Feb 05, 2021 - 1:30pm Thru



30 0 30 60
scale feet

Call before you dig.
1.800.STAKE.IT
602.263.1100

FLOODPLAIN CERTIFICATION EXHIBIT
SCOTTSDALE NATIONWIDE OFFICE BUILDING - PH 1
A PORTION OF THE SOUTHEAST QUARTER OF SECTION 26
TOWNSHIP 4 NORTH, RANGE 4 EAST OF THE GILA AND SALT RIVER
MERIDIAN, MARICOPA COUNTY, ARIZONA

Project No. 18114-203	Date 12/15/20	Sheet No. SHT: 1 OF 1
Project Manager M.S.W.	Project Engineer B.R.S.	

**HUBBARD
ENGINEERING**
www.hubbardengineering.com
1201 S. Alma School Rd., Ste. 12000 - Mesa, AZ 85210
Ph: 480.892.3313



5909 West Loop South
Suite 200
Bellaire, TX 77401
(713) 980-6610
Fax (713) 629-9936
info@floodbreak.com

Installation Report

CUSTOMER	Layton Construction (Nationwide)
GATE SN	01059
DATE	9/15/2020
LOCATION	18710 Hayden Road Scottsdale, AZ 85255

Outside of Flood Gate

OK	PROBLEM	N/A	DESCRIPTION
X			Gate Level
X			Lid opens and closes with $\frac{3}{4}$ reveal
X			Wiper wall installed level / plum
	See Note		Wiper wall holes / and connection splice filled and sanded
X			Wiper wall painted with supplied 2-part paint
X			Wiper wall grouted with high flow non shrink ground and sealed with Sikaflex
X			Grating sits in place flush
X			Primary gasket Installed
X			Wiper / secondary gasket installed
	See Note		All cold joints sealed with Sika self-leveling sealant
X			Anchor bolts installed 6" deep

Inside of Flood Gate

OK	PROBLEM	N/A	DESCRIPTION
X			Reveal is even on both sides (3/4")
X			Retention arms have washers / retaining clip
X			Retention arms operating correctly
X			Prop rods operate correctly
X			Prop rod pins installed
X			Anchor bolts installed 6" deep
	See Note		Anchor bolts are held below resting lid elevation
X			Pressure plates installed and silicone used in corner of pan
X			PVC (or other non-reactive) drain line is run into FloodBreak drain location
X			The drain runs back to the wet side of the barrier
	See Note		The line is cut flush or below the top of the pan elevation and any gaps are filled with silicone.

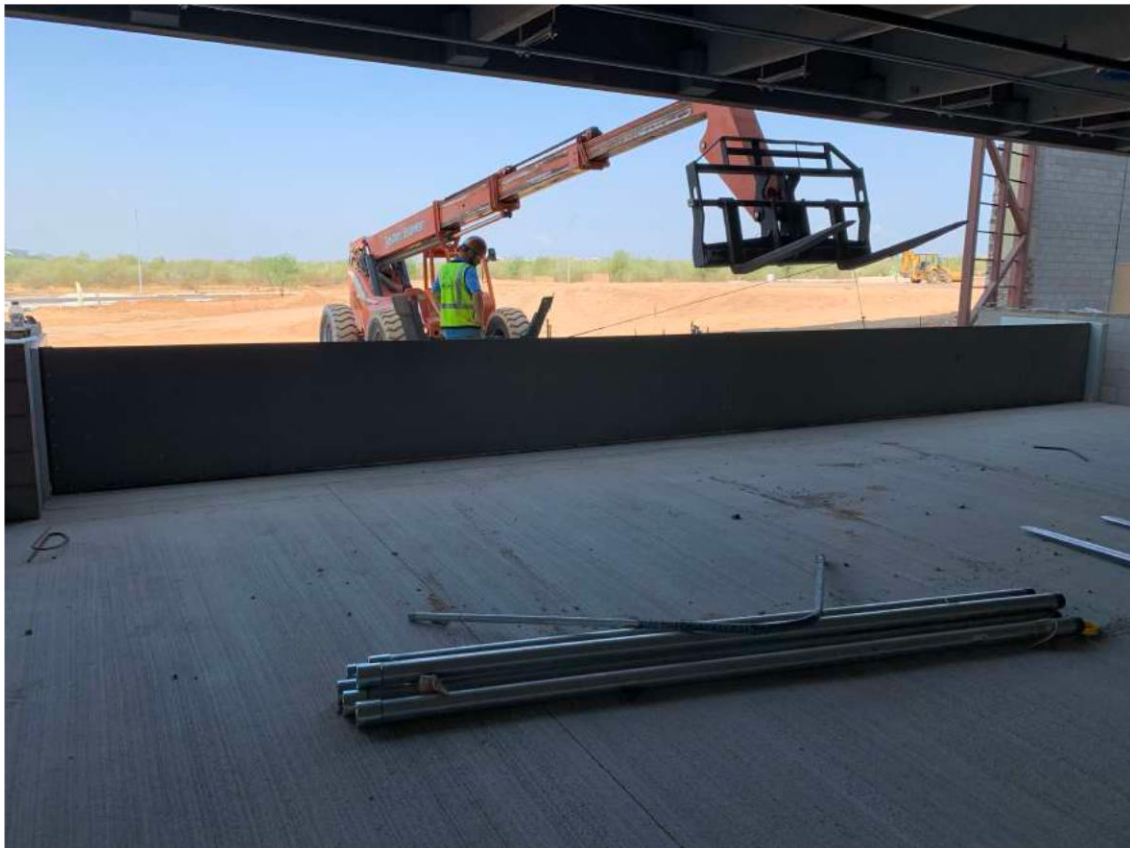
	See Note	All construction and concrete debris removed from inside of pan and surrounding areas
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FloodBreak Rep:	Gary Stanizeski
Date:	9/15/2020

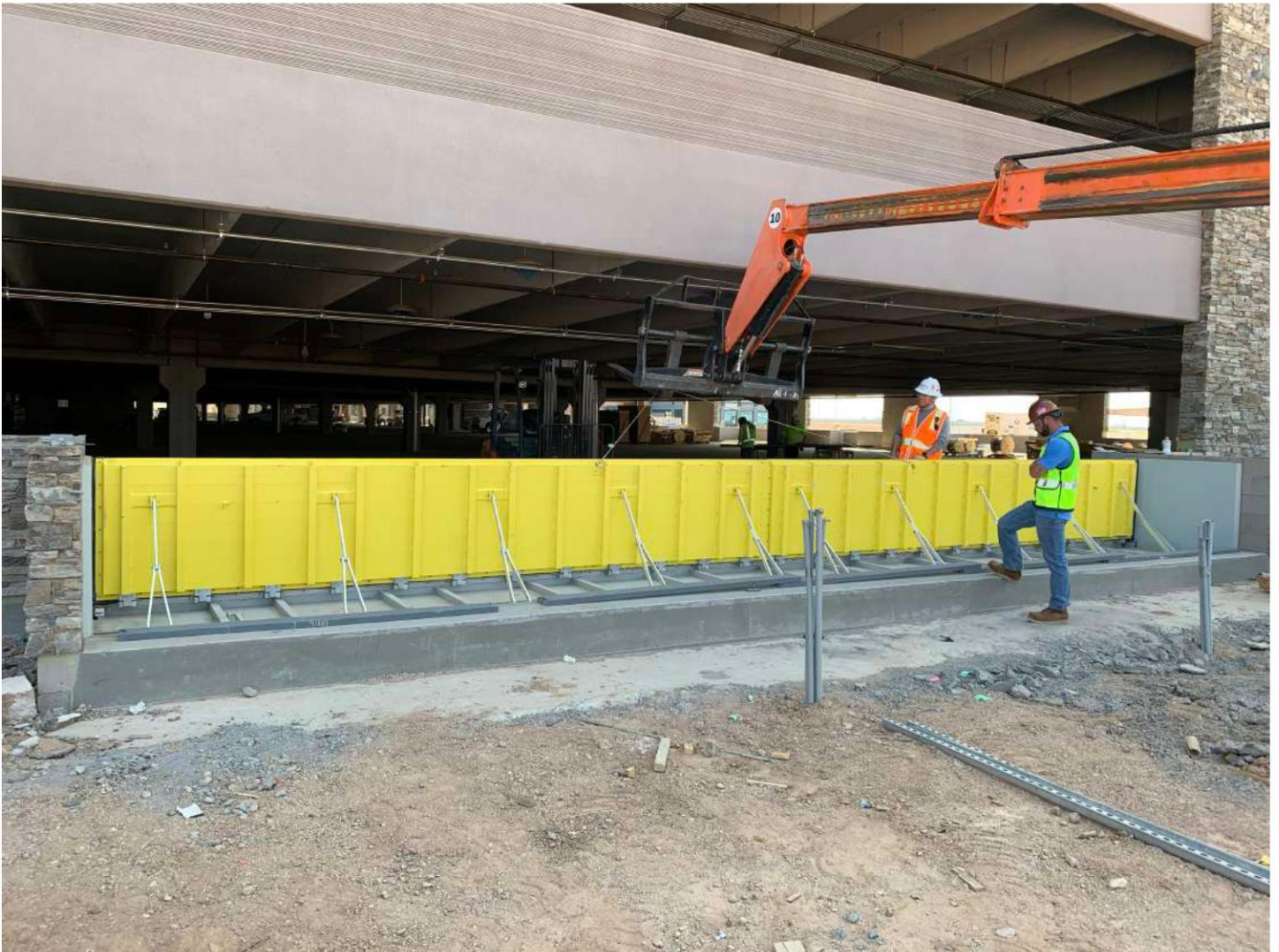
COMMENTS

- Wiper wall connection line needs to be filled and sanded.
- Drain is obstructed by dry concrete debris. Needs to be removed.
- One retention arm anchor bolt is not below stiffener elevation. Needs to be cut down.
- Cold joint needs to be cleaned out and sealed with Sika self-leveling sealant.
- Gate and pan need to be cleaned to remove construction debris.











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Installation Report

CUSTOMER	Layton Construction (Nationwide)
GATE SN	01060
DATE	9/15/2020
LOCATION	18710 Hayden Road Scottsdale, AZ 85255

Outside of Flood Gate

OK	PROBLEM	N/A	DESCRIPTION
X			Gate Level
X			Lid opens and closes with $\frac{3}{4}$ reveal
X			Wiper wall installed level / plum
	See Note		Wiper wall holes / and connection splice filled and sanded
X			Wiper wall painted with supplied 2-part paint
X			Wiper wall grouted with high flow non shrink ground and sealed with Sikaflex
X			Grating sits in place flush
X			Primary gasket Installed
X			Wiper / secondary gasket installed
	See Note		All cold joints sealed with Sika self-leveling sealant
X			Anchor bolts installed 6" deep

Inside of Flood Gate

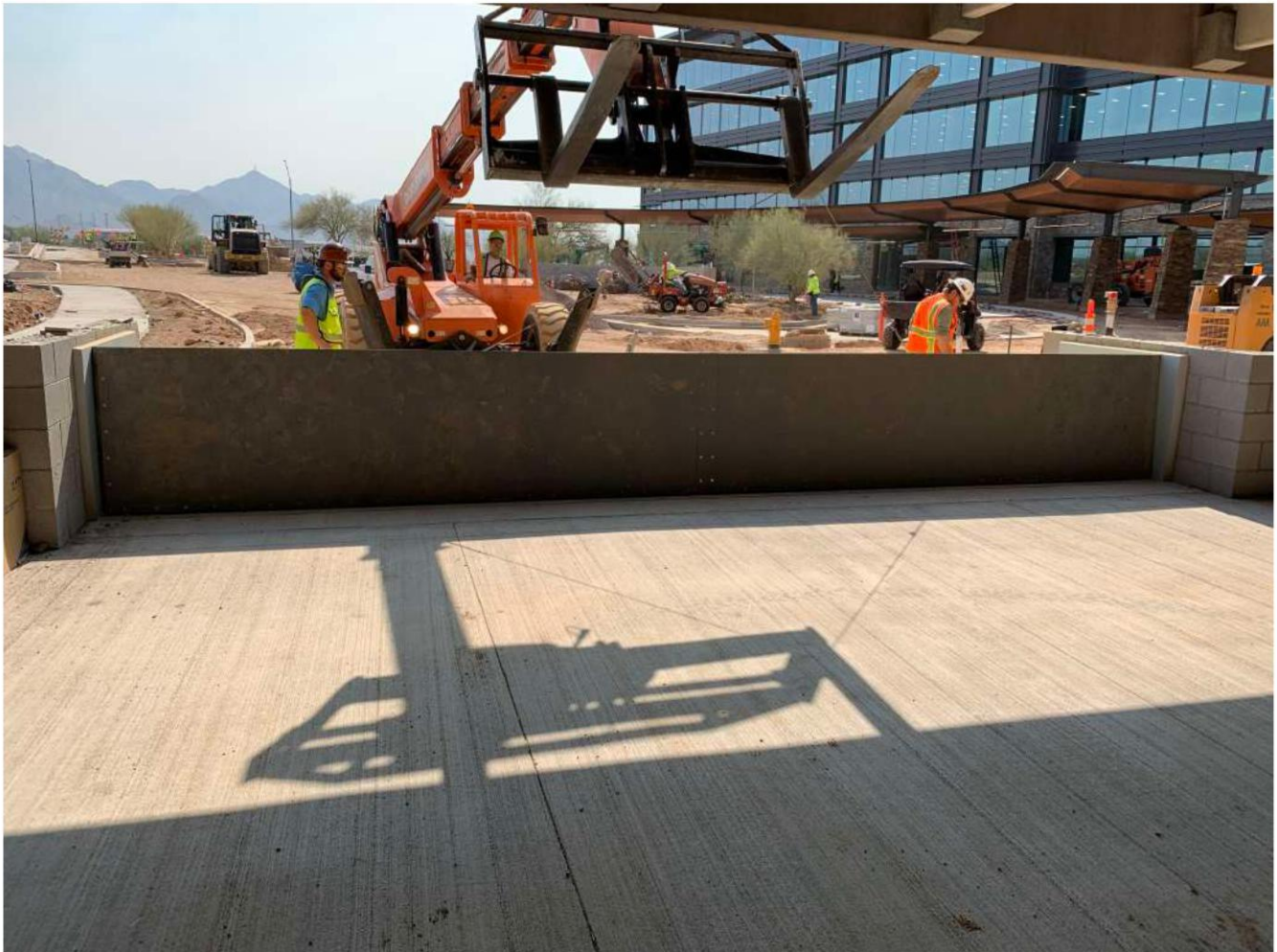
OK	PROBLEM	N/A	DESCRIPTION
X			Reveal is even on both sides (3/4")
X			Retention arms have washers / retaining clip
X			Retention arms operating correctly
X			Prop rods operate correctly
X			Prop rod pins installed
X			Anchor bolts installed 6" deep
X			Anchor bolts are held below resting lid elevation
X			Pressure plates installed and silicone used in corner of pan
X			PVC (or other non-reactive) drain line is run into FloodBreak drain location
X			The drain runs back to the wet side of the barrier
X			The line is cut flush or below the top of the pan elevation and any gaps are filled with silicone.

	See Note	All construction and concrete debris removed from inside of pan and surrounding areas
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FloodBreak Rep:	Gary Stanizeski
Date:	9/15/2020

COMMENTS

- Wiper wall connection line needs to be filled and sanded.
- Cold joint needs to be cleaned out and sealed with Sika self-leveling sealant.
- Gate and pan need to be cleaned to remove construction debris.









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Installation Report

CUSTOMER	Layton Construction (Nationwide)
GATE SN	01061
DATE	9/15/2020
LOCATION	18710 Hayden Road Scottsdale, AZ 85255

Outside of Flood Gate

OK	PROBLEM	N/A	DESCRIPTION
X			Gate Level
X			Lid opens and closes with $\frac{3}{4}$ reveal
X			Wiper wall installed level / plum
	See Note		Wiper wall holes / and connection splice filled and sanded
X			Wiper wall painted with supplied 2-part paint
X			Wiper wall grouted with high flow non shrink ground and sealed with Sikaflex
X			Grating sits in place flush
X			Primary gasket Installed
X			Wiper / secondary gasket installed
	See Note		All cold joints sealed with Sika self-leveling sealant
X			Anchor bolts installed 6" deep

Inside of Flood Gate

OK	PROBLEM	N/A	DESCRIPTION
X			Reveal is even on both sides ($\frac{3}{4}$ ")
X			Retention arms have washers / retaining clip
X			Retention arms operating correctly
X			Prop rods operate correctly
X			Prop rod pins installed
X			Anchor bolts installed 6" deep
X			Anchor bolts are held below resting lid elevation
X			Pressure plates installed and silicone used in corner of pan
X			PVC (or other non-reactive) drain line is run into FloodBreak drain location
X			The drain runs back to the wet side of the barrier
	See Note		The line is cut flush or below the top of the pan elevation and any gaps are filled with silicone.

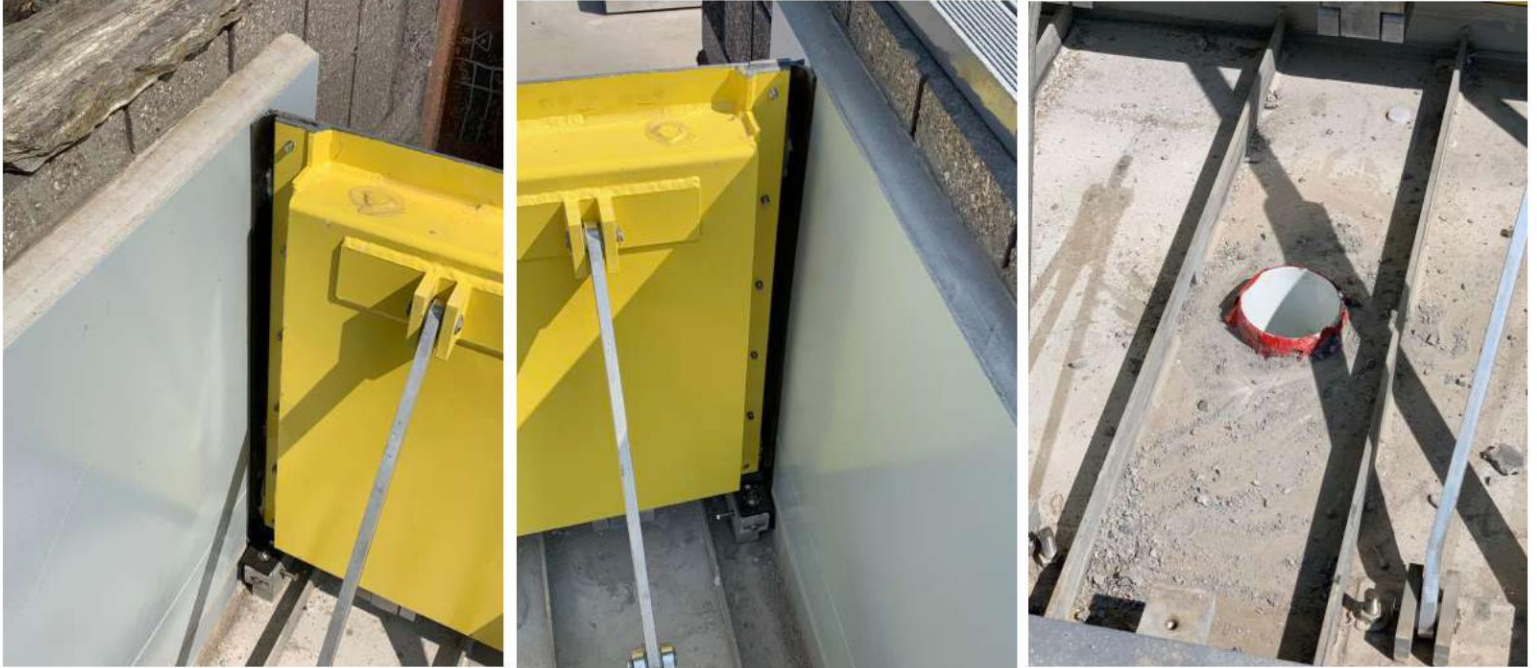
	See Note	All construction and concrete debris removed from inside of pan and surrounding areas
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FloodBreak Rep:	Gary Stanizeski
Date:	9/15/2020

COMMENTS

- Wiper wall connection line needs to be filled and sanded.
- Cold joint needs to be cleaned out and sealed with Sika self-leveling sealant.
- Drain needs to be cut flush and sealed with silicone.
- Gate and pan need to be cleaned to remove construction debris.







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Installation Report

CUSTOMER	Layton Construction (Nationwide)
GATE SN	01062
DATE	9/15/2020
LOCATION	18710 Hayden Road Scottsdale, AZ 85255

Outside of Flood Gate

OK	PROBLEM	N/A	DESCRIPTION
X			Gate Level
X			Lid opens and closes with $\frac{3}{4}$ reveal
X			Wiper wall installed level / plum
	See Note		Wiper wall holes / and connection splice filled and sanded
X			Wiper wall painted with supplied 2-part paint
X			Wiper wall grouted with high flow non shrink ground and sealed with Sikaflex
X			Grating sits in place flush
X			Primary gasket Installed
X			Wiper / secondary gasket installed
	See Note		All cold joints sealed with Sika self-leveling sealant
X			Anchor bolts installed 6" deep

Inside of Flood Gate

OK	PROBLEM	N/A	DESCRIPTION
X			Reveal is even on both sides (3/4")
X			Retention arms have washers / retaining clip
X			Retention arms operating correctly
X			Prop rods operate correctly
X			Prop rod pins installed
X			Anchor bolts installed 6" deep
X			Anchor bolts are held below resting lid elevation
X			Pressure plates installed and silicone used in corner of pan
X			PVC (or other non-reactive) drain line is run into FloodBreak drain location
X			The drain runs back to the wet side of the barrier
X			The line is cut flush or below the top of the pan elevation and any gaps are filled with silicone.

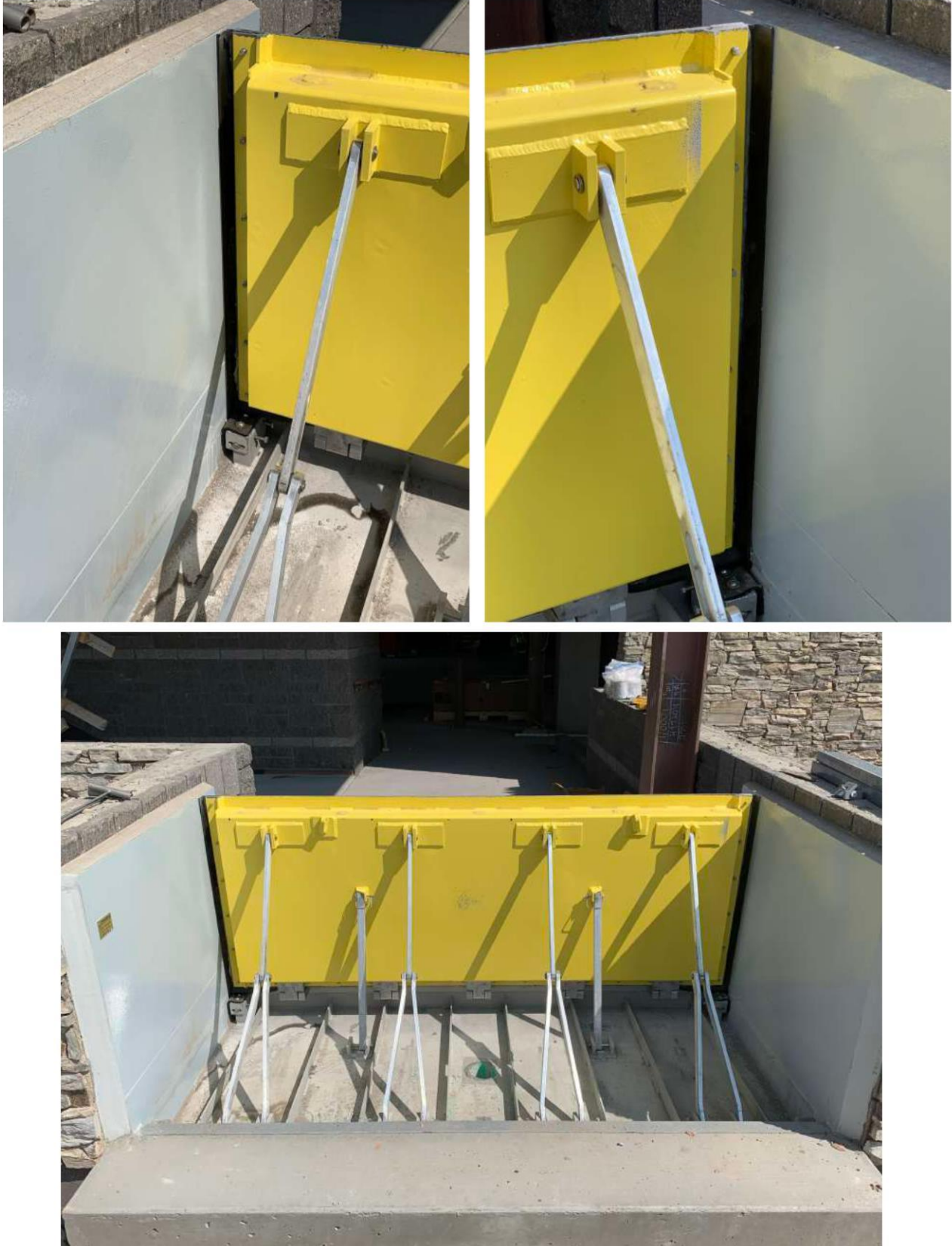
	See Note	All construction and concrete debris removed from inside of pan and surrounding areas
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FloodBreak Rep:	Gary Stanizeski
Date:	9/15/2020

COMMENTS

- Wiper wall connection line needs to be filled and sanded.
- Cold joint needs to be cleaned out and sealed with Sika self-leveling sealant.
- Gate and pan need to be cleaned to remove construction debris.





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Installation Report

CUSTOMER	Layton Construction (Nationwide)
GATE SN	01063
DATE	9/15/2020
LOCATION	18710 Hayden Road Scottsdale, AZ 85255

Outside of Flood Gate

OK	PROBLEM	N/A	DESCRIPTION
X			Gate Level
X			Lid opens and closes with $\frac{3}{4}$ reveal
X			Wiper wall installed level / plum
	See Note		Wiper wall holes / and connection splice filled and sanded
X			Wiper wall painted with supplied 2-part paint
X			Wiper wall grouted with high flow non shrink ground and sealed with Sikaflex
X			Grating sits in place flush
X			Primary gasket Installed
X			Wiper / secondary gasket installed
	See Note		All cold joints sealed with Sika self-leveling sealant
X			Anchor bolts installed 6" deep

Inside of Flood Gate

OK	PROBLEM	N/A	DESCRIPTION
X			Reveal is even on both sides (3/4")
X			Retention arms have washers / retaining clip
X			Retention arms operating correctly
X			Prop rods operate correctly
X			Prop rod pins installed
X			Anchor bolts installed 6" deep
X			Anchor bolts are held below resting lid elevation
X			Pressure plates installed and silicone used in corner of pan
X			PVC (or other non-reactive) drain line is run into FloodBreak drain location
X			The drain runs back to the wet side of the barrier
	See Note		The line is cut flush or below the top of the pan elevation and any gaps are filled with silicone.

	See Note	All construction and concrete debris removed from inside of pan and surrounding areas
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FloodBreak Rep:	Gary Stanizeski
Date:	9/15/2020

COMMENTS

- Wiper wall connection line needs to be filled and sanded.
- Wiper wall needs to be sanded at base, gasket gets caught on dry paint.
- Cold joint needs to be cleaned out and sealed with Sika self-leveling sealant.
- Drain needs to be cut flush and concrete debris removed.
- Gate and pan need to be cleaned to remove construction debris.





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Installation Report

CUSTOMER	Layton Construction (Nationwide)
GATE SN	01064
DATE	9/15/2020
LOCATION	18710 Hayden Road Scottsdale, AZ 85255

Outside of Flood Gate

OK	PROBLEM	N/A	DESCRIPTION
X			Gate Level
X			Lid opens and closes with $\frac{3}{4}$ reveal
X			Wiper wall installed level / plum
	See Note		Wiper wall holes / and connection splice filled and sanded
X			Wiper wall painted with supplied 2-part paint
X			Wiper wall grouted with high flow non shrink ground and sealed with Sikaflex
X			Grating sits in place flush
X			Primary gasket Installed
X			Wiper / secondary gasket installed
	See Note		All cold joints sealed with Sika self-leveling sealant
X			Anchor bolts installed 6" deep

Inside of Flood Gate

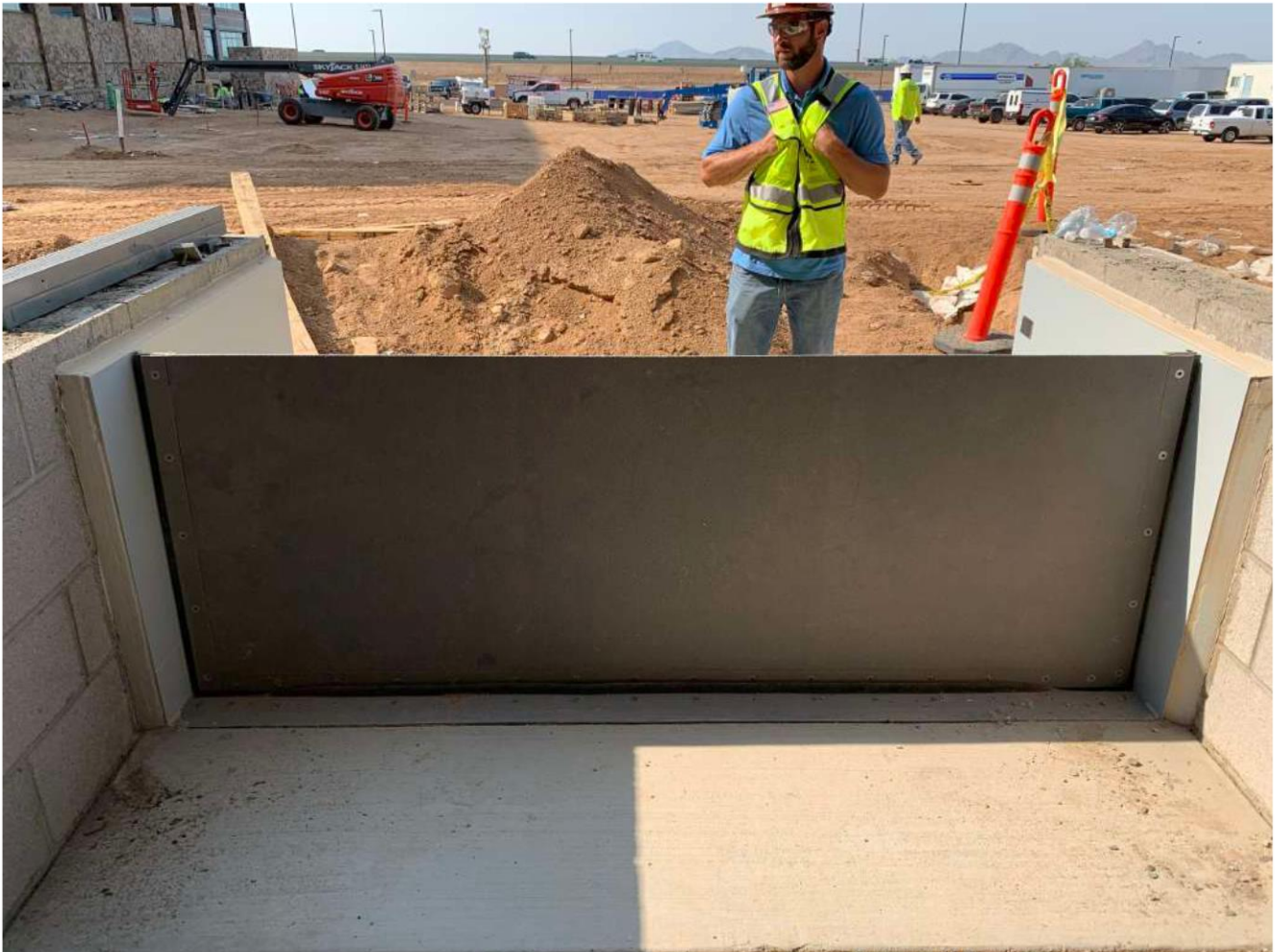
OK	PROBLEM	N/A	DESCRIPTION
X			Reveal is even on both sides (3/4")
X			Retention arms have washers / retaining clip
X			Retention arms operating correctly
X			Prop rods operate correctly
X			Prop rod pins installed
X			Anchor bolts installed 6" deep
X			Anchor bolts are held below resting lid elevation
X			Pressure plates installed and silicone used in corner of pan
X			PVC (or other non-reactive) drain line is run into FloodBreak drain location
X			The drain runs back to the wet side of the barrier
	See Note		The line is cut flush or below the top of the pan elevation and any gaps are filled with silicone.

	See Note	All construction and concrete debris removed from inside of pan and surrounding areas
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FloodBreak Rep:	Gary Stanizeski
Date:	9/15/2020

COMMENTS

- Wiper wall connection line needs to be filled and sanded.
- Cold joint needs to be cleaned out and sealed with Sika self-leveling sealant.
- Drain needs to be cut flush and concrete debris removed.
- Gate and pan need to be cleaned to remove construction debris.





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Installation Report

CUSTOMER	Layton Construction (Nationwide)
GATE SN	01065
DATE	9/15/2020
LOCATION	18710 Hayden Road Scottsdale, AZ 85255

Outside of Flood Gate

OK	PROBLEM	N/A	DESCRIPTION
X			Gate Level
X			Lid opens and closes with $\frac{3}{4}$ reveal
X			Wiper wall installed level / plum
	See Note		Wiper wall holes / and connection splice filled and sanded
X			Wiper wall painted with supplied 2-part paint
X			Wiper wall grouted with high flow non shrink ground and sealed with Sikaflex
X			Grating sits in place flush
X			Primary gasket Installed
X			Wiper / secondary gasket installed
	See Note		All cold joints sealed with Sika self-leveling sealant
X			Anchor bolts installed 6" deep

Inside of Flood Gate

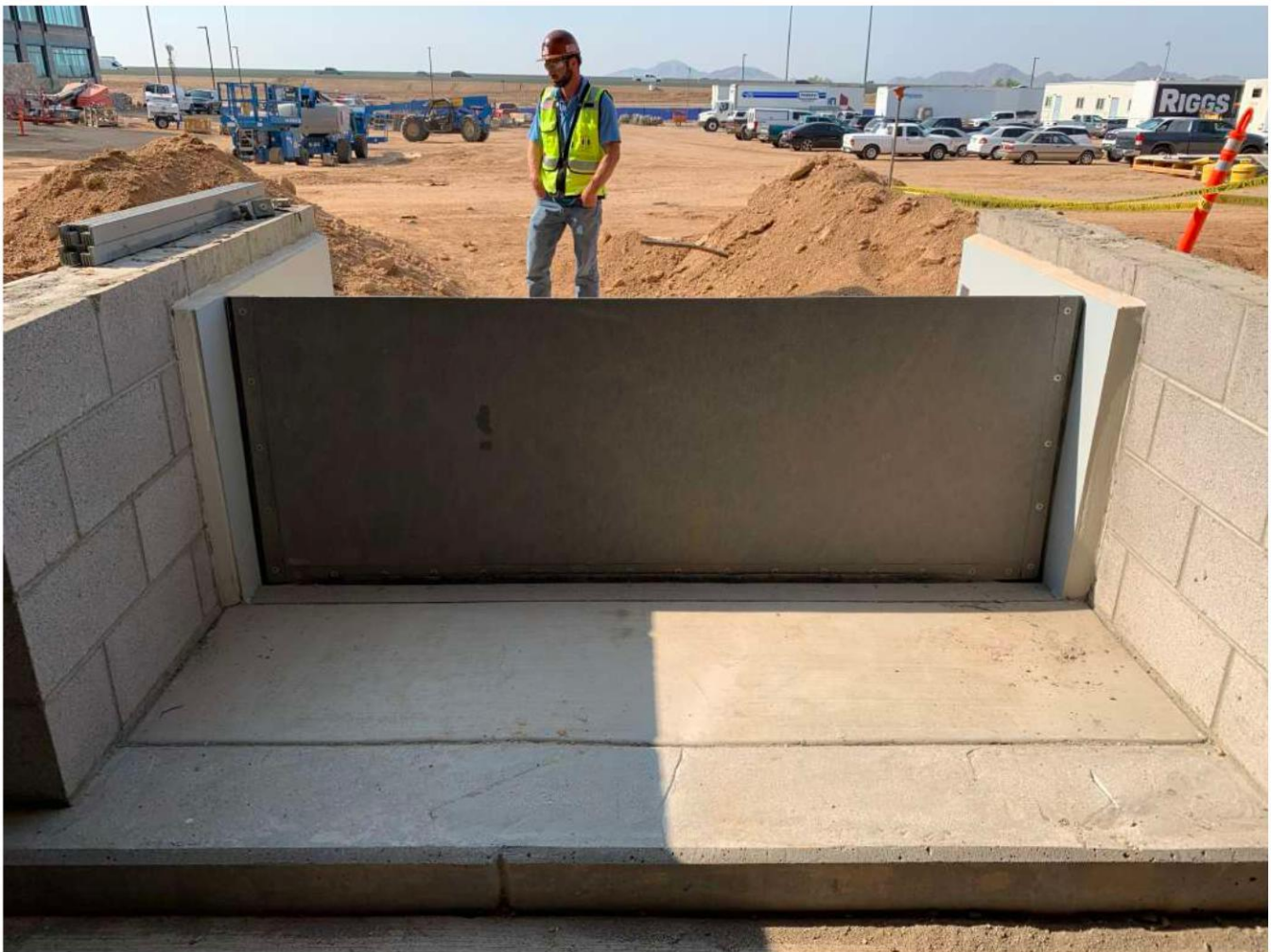
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X			Reveal is even on both sides (3/4")
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X			Retention arms operating correctly
X			Prop rods operate correctly
X			Prop rod pins installed
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X			The drain runs back to the wet side of the barrier
X			The line is cut flush or below the top of the pan elevation and any gaps are filled with silicone.

	See Note	All construction and concrete debris removed from inside of pan and surrounding areas
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FloodBreak Rep:	Gary Stanizeski
Date:	9/15/2020

COMMENTS

- Wiper wall connection line needs to be filled and sanded.
- Cold joint needs to be cleaned out and sealed with Sika self-leveling sealant.
- Gate and pan need to be cleaned to remove construction debris.





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Installation Report

CUSTOMER	Layton Construction (Nationwide)
GATE SN	01066
DATE	9/15/2020
LOCATION	18710 Hayden Road Scottsdale, AZ 85255

Outside of Flood Gate

OK	PROBLEM	N/A	DESCRIPTION
X			Gate Level
X			Lid opens and closes with $\frac{3}{4}$ reveal
X			Wiper wall installed level / plum
	See Note		Wiper wall holes / and connection splice filled and sanded
X			Wiper wall painted with supplied 2-part paint
X			Wiper wall grouted with high flow non shrink ground and sealed with Sikaflex
X			Grating sits in place flush
X			Primary gasket Installed
X			Wiper / secondary gasket installed
	See Note		All cold joints sealed with Sika self-leveling sealant
X			Anchor bolts installed 6" deep

Inside of Flood Gate

OK	PROBLEM	N/A	DESCRIPTION
X			Reveal is even on both sides (3/4")
X			Retention arms have washers / retaining clip
X			Retention arms operating correctly
X			Prop rods operate correctly
X			Prop rod pins installed
X			Anchor bolts installed 6" deep
X			Anchor bolts are held below resting lid elevation
X			Pressure plates installed and silicone used in corner of pan
X			PVC (or other non-reactive) drain line is run into FloodBreak drain location
X			The drain runs back to the wet side of the barrier
	See Note		The line is cut flush or below the top of the pan elevation and any gaps are filled with silicone.

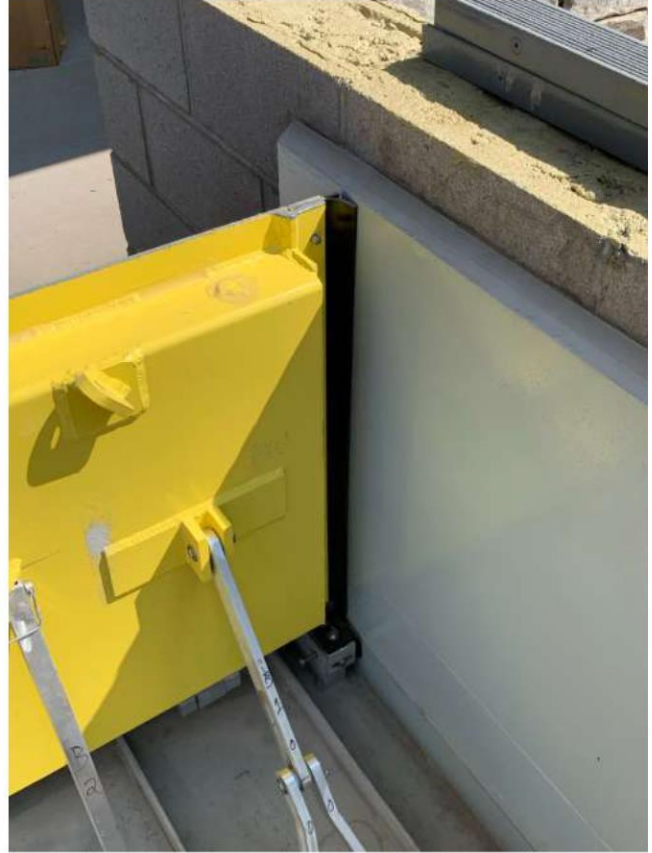
	See Note	All construction and concrete debris removed from inside of pan and surrounding areas
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FloodBreak Rep:	Gary Stanizeski
Date:	9/15/2020

COMMENTS

- Wiper wall connection line needs to be filled and sanded.
- Cold joint needs to be cleaned out and sealed with Sika self-leveling sealant.
- Dried concrete obstruction needs to be removed from drain.
- Gate and pan need to be cleaned to remove construction debris.







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Installation Report

CUSTOMER	Layton Construction (Nationwide)
GATE SN	01067
DATE	9/15/2020
LOCATION	18710 Hayden Road Scottsdale, AZ 85255

Outside of Flood Gate

OK	PROBLEM	N/A	DESCRIPTION
X			Gate Level
X			Lid opens and closes with $\frac{3}{4}$ reveal
X			Wiper wall installed level / plum
	See Note		Wiper wall holes / and connection splice filled and sanded
X			Wiper wall painted with supplied 2-part paint
X			Wiper wall grouted with high flow non shrink ground and sealed with Sikaflex
X			Grating sits in place flush
X			Primary gasket Installed
X			Wiper / secondary gasket installed
	See Note		All cold joints sealed with Sika self-leveling sealant
X			Anchor bolts installed 6" deep

Inside of Flood Gate

OK	PROBLEM	N/A	DESCRIPTION
X			Reveal is even on both sides (3/4")
X			Retention arms have washers / retaining clip
X			Retention arms operating correctly
X			Prop rods operate correctly
X			Prop rod pins installed
X			Anchor bolts installed 6" deep
X			Anchor bolts are held below resting lid elevation
X			Pressure plates installed and silicone used in corner of pan
X			PVC (or other non-reactive) drain line is run into FloodBreak drain location
X			The drain runs back to the wet side of the barrier
	See Note		The line is cut flush or below the top of the pan elevation and any gaps are filled with silicone.

	See Note	All construction and concrete debris removed from inside of pan and surrounding areas
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FloodBreak Rep:	Gary Stanizeski
Date:	9/15/2020

COMMENTS

- Wiper wall connection line needs to be filled and sanded.
- Cold joint needs to be cleaned out and sealed with Sika self-leveling sealant.
- Dried concrete obstruction needs to be removed from drain.
- Gate and pan need to be cleaned to remove construction debris.







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Installation Report

CUSTOMER	Layton Construction (Nationwide)
GATE SN	01068
DATE	9/15/2020
LOCATION	18710 Hayden Road Scottsdale, AZ 85255

Outside of Flood Gate

OK	PROBLEM	N/A	DESCRIPTION
X			Gate Level
X			Lid opens and closes with $\frac{3}{4}$ reveal
X			Wiper wall installed level / plum
	See Note		Wiper wall holes / and connection splice filled and sanded
X			Wiper wall painted with supplied 2-part paint
X			Wiper wall grouted with high flow non shrink ground and sealed with Sikaflex
X			Grating sits in place flush
X			Primary gasket Installed
X			Wiper / secondary gasket installed
	See Note		All cold joints sealed with Sika self-leveling sealant
X			Anchor bolts installed 6" deep

Inside of Flood Gate

OK	PROBLEM	N/A	DESCRIPTION
X			Reveal is even on both sides ($\frac{3}{4}$ ")
X			Retention arms have washers / retaining clip
X			Retention arms operating correctly
X			Prop rods operate correctly
X			Prop rod pins installed
X			Anchor bolts installed 6" deep
X			Anchor bolts are held below resting lid elevation
X			Pressure plates installed and silicone used in corner of pan
X			PVC (or other non-reactive) drain line is run into FloodBreak drain location
X			The drain runs back to the wet side of the barrier
	See Note		The line is cut flush or below the top of the pan elevation and any gaps are filled with silicone.

	See Note	All construction and concrete debris removed from inside of pan and surrounding areas
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FloodBreak Rep:	Gary Stanizeski
Date:	9/15/2020

COMMENTS

- Wiper wall connection line needs to be filled and sanded.
- Cold joint needs to be cleaned out and sealed with Sika self-leveling sealant.
- Dried concrete obstruction needs to be removed from drain.
- Gate and pan need to be cleaned to remove construction debris.









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Installation Report

CUSTOMER	Layton Construction (Nationwide)
GATE SN	01069
DATE	9/15/2020
LOCATION	18710 Hayden Road Scottsdale, AZ 85255

Outside of Flood Gate

OK	PROBLEM	N/A	DESCRIPTION
X			Gate Level
X			Lid opens and closes with $\frac{3}{4}$ reveal
X			Wiper wall installed level / plum
	See Note		Wiper wall holes / and connection splice filled and sanded
X			Wiper wall painted with supplied 2-part paint
X			Wiper wall grouted with high flow non shrink ground and sealed with Sikaflex
X			Grating sits in place flush
X			Primary gasket Installed
X			Wiper / secondary gasket installed
	See Note		All cold joints sealed with Sika self-leveling sealant
X			Anchor bolts installed 6" deep

Inside of Flood Gate

OK	PROBLEM	N/A	DESCRIPTION
X			Reveal is even on both sides (3/4")
X			Retention arms have washers / retaining clip
X			Retention arms operating correctly
X			Prop rods operate correctly
X			Prop rod pins installed
X			Anchor bolts installed 6" deep
X			Anchor bolts are held below resting lid elevation
X			Pressure plates installed and silicone used in corner of pan
X			PVC (or other non-reactive) drain line is run into FloodBreak drain location
X			The drain runs back to the wet side of the barrier
	See Note		The line is cut flush or below the top of the pan elevation and any gaps are filled with silicone.

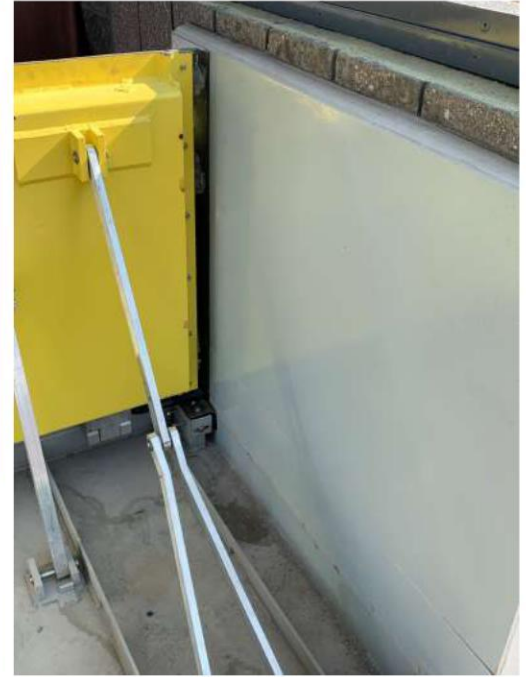
	See Note	All construction and concrete debris removed from inside of pan and surrounding areas
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FloodBreak Rep:	Gary Stanizeski
Date:	9/15/2020

COMMENTS

- Wiper wall connection line needs to be filled and sanded.
- Cold joint needs to be cleaned out and sealed with Sika self-leveling sealant.
- Dried concrete obstruction needs to be removed from drain.
- Gate and pan need to be cleaned to remove construction debris.







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Installation Report

CUSTOMER	Layton Construction (Nationwide)
GATE SN	01070
DATE	9/15/2020
LOCATION	18710 Hayden Road Scottsdale, AZ 85255

Outside of Flood Gate

OK	PROBLEM	N/A	DESCRIPTION
X			Gate Level
X			Lid opens and closes with $\frac{3}{4}$ reveal
X			Wiper wall installed level / plum
	See Note		Wiper wall holes / and connection splice filled and sanded
X			Wiper wall painted with supplied 2-part paint
X			Wiper wall grouted with high flow non shrink ground and sealed with Sikaflex
X			Grating sits in place flush
X			Primary gasket Installed
X			Wiper / secondary gasket installed
	See Note		All cold joints sealed with Sika self-leveling sealant
X			Anchor bolts installed 6" deep

Inside of Flood Gate

OK	PROBLEM	N/A	DESCRIPTION
X			Reveal is even on both sides (3/4")
X			Retention arms have washers / retaining clip
X			Retention arms operating correctly
X			Prop rods operate correctly
X			Prop rod pins installed
X			Anchor bolts installed 6" deep
X			Anchor bolts are held below resting lid elevation
X			Pressure plates installed and silicone used in corner of pan
X			PVC (or other non-reactive) drain line is run into FloodBreak drain location
X			The drain runs back to the wet side of the barrier
X			The line is cut flush or below the top of the pan elevation and any gaps are filled with silicone.

	See Note	All construction and concrete debris removed from inside of pan and surrounding areas
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FloodBreak Rep:	Gary Stanizeski
Date:	9/15/2020

COMMENTS

- Wiper wall connection line needs to be filled and sanded.
- Cold joint needs to be cleaned out and sealed with Sika self-leveling sealant.
- Gate and pan need to be cleaned to remove construction debris.





