

ANSI D 22' x 34"

GENERAL NOTES

- A. GENERAL
1.

TOPOGRAPHIC, BATHYMETRIC AND PROPERTY INFORMATION SHOWN HEREIN ARE REFERENCED FROM PRELIMINARY MAPPING PREPARED BY LANGAN DATED SEPTEMBER 2019. SURVEY DATA WERE COLLECTED BETWEEN APRIL 2019 AND AUGUST 2019.
2.

UNDERGROUND STRUCTURES SHOWN HEREON HAVE BEEN LOCATED FROM RECORD DRAWINGS PROVIDED BY THE BATTERY PARK CITY AUTHORITY (BPCA). THE ENGINEER HAS NOT PHYSICALLY LOCATED OR CONFIRMED THE PRESENCE OF THE ACTUAL UNDERGROUND STRUCTURES. THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF EXCAVATION
- B. APPLICABLE CODES AND STANDARDS
1.

NEW YORK CITY BUILDING CODE (2014)
2.

MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE 7)
3.

BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318)
4.

SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS (AISC 360)
5.

AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS (8TH EDITION)
6.

UNITED STATES ARMY CORPS OF ENGINEERS (USACE) ENGINEER MANUAL (EM) 1110-2-2502 RETAINING AND FLOOD WALLS

DESIGN CRITERIA

- A. LOADS
1.

DEAD LOADS (MATERIAL WEIGHTS)

CONCRETE

150 PCF

STEEL

490 PCF

SOIL

120 PCF

SALTWATER

64 PCF

FRESHWATER

62.4 PCF
2.

LIVE LOADS

PEDESTRIAN

100PSF

VEHICLE

FIRE TRUCK: HS-20

PICKUP TRUCK: H5

MAINTENANCE VEHICLE: TAYLOR-DUNN ET3000 OR TORO WORKMAN HD
3.

WIND DESIGN PARAMETERS

BASIC WIND SPEED

127 MPH (3-SECOND GUST)

EXPOSURE CATEGORY

C
4.

FLOOD LOAD

DEBRIS IMPACT OBJECT WEIGHT

2000LBS

DEBRIS IMPACT WATER VELOCITY

1.69FT/S

SEE COASTAL ENGINEERING MEMO FOR FLOOD LOAD CRITERIA
5.

SEISMIC DESIGN PARAMETERS

RISK CATEGORY

II - BUILDING AND SITE STRUCTURES

IV - FLOOD PROTECTION STRUCTURES

SEISMIC IMPORTANCE FACTOR

1.0 - BUILDING AND SITE STRUCTURES

1.5 - FLOOD PROTECTION STRUCTURES

SITE CLASS

E

SS

0.278g

S1

0.071g

SDS

0.447g

SD1

0.167g
6.

SNOW LOAD

GROUND SNOW LOAD

20PSF

EXPOSURE FACTOR

0.8

THERMAL FACTOR

1.2

IMPORTANCE FACTOR

1.2

- B. MATERIALS
1.

STRUCTURAL STEEL

SHAPES, PLATES, AND BARS

ASTM A36

SHEET PILE

ASTM A572 GR 60

H-PILES

ASTM A572 GR 50

WELDING

AWS D1.1 MOST RECENT EDITION
2.

CONCRETE

a.

SECANT PILES AND FLOOD ALIGNMENT STRUCTURES:

MINIMUM 28-DAY COMPRESSIVE STRENGTH

TBD

PORTLAND CEMENT

TYPEII

MAXIMUM WATER/CEMENT RATIO

0.38

REINFORCING

ASTM A615 GR. 60 EPOXY COATED

MINIMUM CONCRETE COVER

3 INCHES (CAST AGAINST EARTH)

2.5 INCHES (OTHER)

b.

ALL OTHER CONCRETE:

MINIMUM 28-DAY COMPRESSIVE STRENGTH

5000PSI

PORTLAND CEMENT

TYPEII

MAXIMUM WATER/CEMENT RATIO

0.38

CORROSION INHIBITOR

DCI OR APPROVED EQUAL

REINFORCING

ASTM A615 GR. 60

MINIMUM CONCRETE COVER

3 INCHES (CAST AGAINST EARTH)

2 INCHES (OTHER)

STEEL CONSTRUCTION NOTES

- 1)

ALL STEEL CONNECTIONS, FABRICATIONS, SHAPES, BOLTS, NUTS AND WASHERS SHALL BE HOT-DIPPED GALVANIZED WITH THE EXCEPTION OF THE STEEL SHEET PILE.
- 2)

STEEL SHEET PILE SHALL BE COATED WITH A MARINE GRADE EPOXY.
- 3)

ALL GALVANIZATION SHALL CONFORM TO ASTM A123 OR F2329 AS APPLICABLE. REPAIR OF DAMAGED GALVANIZED COATING SHALL BE IN ACCORDANCE WITH ASTM A780.

CONCRETE CONSTRUCTION NOTES

- 1)

ALL CONCRETE SHALL BE NORMAL WEIGHT HARD ROCK TYPE.
- 2)

CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY, BEARING A REGISTERED CIVIL ENGINEER'S STAMP, AND APPROVED BY THE ENGINEER PRIOR TO USE.
- 3)

ALL EXPOSED FORMED CONCRETE EDGES SHALL BE CHAMFERED 3/4 INCHES UNLESS NOTED OTHERWISE.

ABBREVIATIONS

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAYOFFICIALS
ACI	AMERICAN CONCRETE INSTITUTE
AISC	AMERICAN INSTITUE OF STEEL CONSTRUCTION
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
AWS	AMERICAN WELDING SOCIETY
BFE	BASE FLOOD ELEVATION
BOF	BOTTOM OF FOOTING
BPCA	BATTERY PARK CITY AUTHORITY
CONC	CONCRETE
CONT'D	CONTINUED
DFE	DESIGN FLOOD ELEVATION
DIA	DIAMETER
EL	ELEVATION
FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY
FT	FEET
LBS	POUNDS
LOP	LINE OF PROTECTION
MAX	MAXIMUM
MHHW	MEAN HIGHER HIGH WATER
MHW	MEAN HIGH WATER
MIN	MINIMUM
MLLW	MEAN LOWER LOW WATER
MLW	MEAN LOW WATER
MPH	MILES PER HOUR
MSL	MEAN SEA LEVEL
PCF	POUNDS PER CUBIC FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
S	SECOND
TBD	TO BE DETERMINED
TOF	TOP OF FOOTING
TOW	TOP OF WALL
TYP	TYPICAL

DATUMS

HORIZONTAL: NORTH AMERICAN DATUM 1983 (NAD83) NEW YORK STATE PLANE EAST

VERTICAL: NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88)

TIDAL DATUM:

WATER LEVEL	ELEVATION (FT)	NOTES
2050 100-YEAR STORM	+15.5 TO +18	INCLUDING 30" SEA LEVEL RISE
FEMA 2007 BFE	+10 TO +13	PER FEMA FIRM MAP 3604970184F
MHHW	+2.28	
MHW	+1.96	
MSL	-0.2	
MLW	-2.57	
MLLW	-2.77	

REFERENCE TIDAL STATION: 8518750, THE BATTERY, NY

THE WORK SHOWN ON THESE DRAWINGS ARE IN AREAS THAT MAY BE COVERED OR AFFECTED BY TIDAL WATERS. THE CONTRACTOR SHALL PLAN THE WORK ACCORDINGLY. TIDAL DATA IS BASED ON NOAA 1983-2001 TIDAL EPOCH BUT IS NOT GUARANTEED TO REPRESENT ACTUAL LEVELS OR DURATIONS WHICH MAY OCCUR DURING CONSTRUCTION. ACTUAL TIDES WILL VARY FROM THE LEVELS INDICATED AND THAT OF PUBLISHED TIDE TABLES. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS/HER OWN ESTIMATIONS OF TIDES WHICH MAY OCCUR DURING THE CONSTRUCTION. VARIATION OF TIDAL LEVELS OR DURATIONS FROM THOSE INDICATED OR THE CONTRACTOR'S ESTIMATION OF TIDE LEVELS SHALL NOT BE CONSIDERED A BASIS FOR CLAIM FOR ADDITIONAL COMPENSATION OR DELAY OF THE WORK.



PROJECT

SOUTH BATTERY PARK
RESILIENCY DESIGN
SERVICES

CLIENT

HUGH L. CAREY
BATTERY PARK CITY
AUTHORITY

CONSULTANT



AECOM DESIGN AND ENGINEERING
605 3rd Ave, 2nd Floor, New York, NY 10016
212.973.2900 tel www.aecom.com

SUB-CONSULTANT

MAGNUSSON KLEMENCIC ASSOCIATES
1301 Fifth Avenue, Suite 3200
Seattle, WA 98101-2699
206.292.1200 tel 206.292.1201 fax
www.mka.com

SITE WORKS
150 West 28th St.
Suite 605
New York, NY 10001
212.255.8350 siteworkscm.com



KEY PLAN

REGISTRATION

PRELIMINARY
NOT FOR CONSTRUCTION

ISSUE/REVISION

	YYYY-MM-DD	
I/R	DATE	DESCRIPTION

PROJECT/TERM CONTRACT NUMBER

Contract No. 18-2586

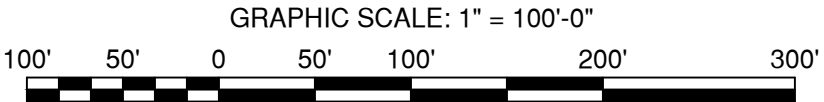
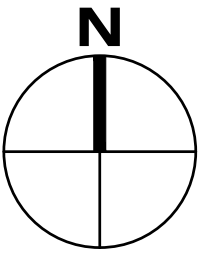
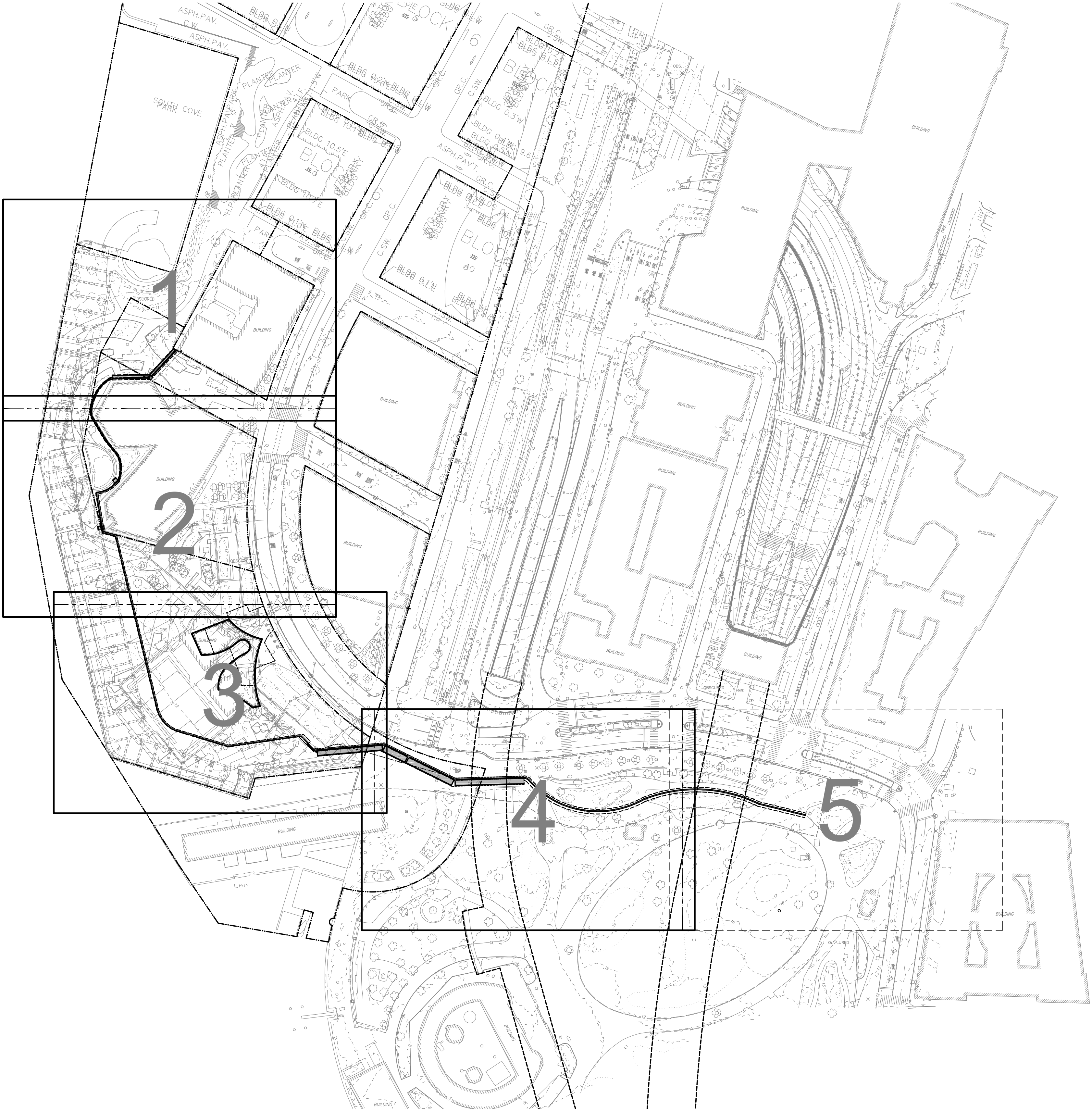
SHEET TITLE

STRUCTURAL GENERAL
NOTES 1

SHEET NUMBER

S001

Last saved by: LOUIS DIAZ(2019-08-20) Last Plotter: 2019-09-23
Filename: C:\WORKING\AECOM_LSI\01_NAT REDD\1\AECOM\COMMD0284681\SBP\CS001.R00.DWG



PROJECT

SOUTH BATTERY PARK
RESILIENCY DESIGN
SERVICES

CLIENT

HUGH L. CAREY
BATTERY PARK CITY
AUTHORITY

CONSULTANT



AECOM DESIGN AND ENGINEERING
605 3rd Ave, 2nd Floor, New York, NY 10016
212.973.2900 tel www.aecom.com

SUB-CONSULTANT

MAGNUSSON KLEMENCIC ASSOCIATES
1301 Fifth Avenue, Suite 3200
Seattle, WA 98101-2699
206.292.1200 tel 206.292.1201 fax
www.mka.com

SITE WORKS

150 West 28th St.
Suite 605
New York, NY 10001
212.255.8350 siteworkscm.com



KEY PLAN

REGISTRATION

PRELIMINARY
NOT FOR CONSTRUCTION

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT/TERM CONTRACT NUMBER

Contract No. 18-2586

SHEET TITLE

KEY PLAN

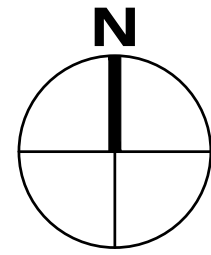
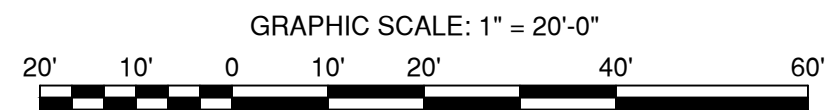
SHEET NUMBER

S300

HUDSON RIVER
U.S. PIERHEAD LINE ESTABLISHED BY THE SECRETARY

S10°45'21"W
1913.88'

MATCHLINE SHEET S302



PROJECT

SOUTH BATTERY PARK
RESILIENCY DESIGN
SERVICES

CLIENT

HUGH L. CAREY
BATTERY PARK CITY
AUTHORITY

CONSULTANT

AECOM

AECOM DESIGN AND ENGINEERING
605 3rd Ave, 2nd Floor, New York, NY 10016
212.973.2900 tel www.aecom.com

SUB-CONSULTANT

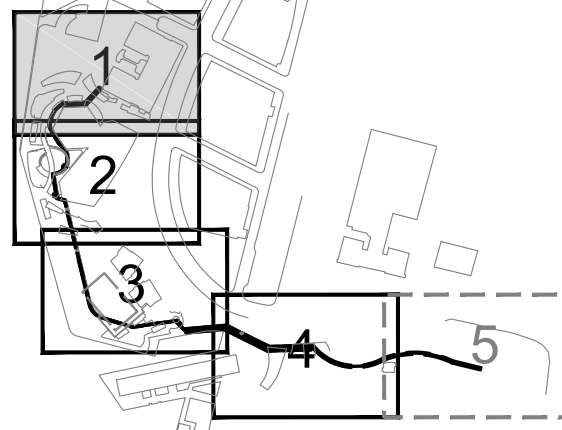
MAGNUSSON KLEMENCIC ASSOCIATES
1301 Fifth Avenue, Suite 3200
Seattle, WA 98101-2699
206.292.1200 tel 206.292.1201 fax
www.mka.com

SITE WORKS

150 West 28th St.
Suite 605
New York, NY 10001
212.255.8350 siteworkscm.com



KEY PLAN



REGISTRATION

PRELIMINARY
NOT FOR CONSTRUCTION

ISSUE/REVISION

Y	M	D	DESCRIPTION

PROJECT/TERM CONTRACT NUMBER

Contract No. 18-2586

SHEET TITLE

ALIGNMENT WALL &
FOUNDATION PLAN 1

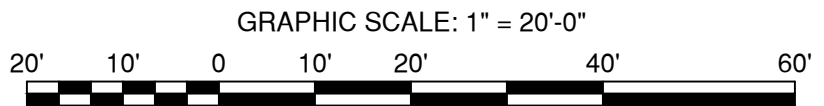
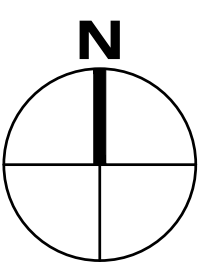
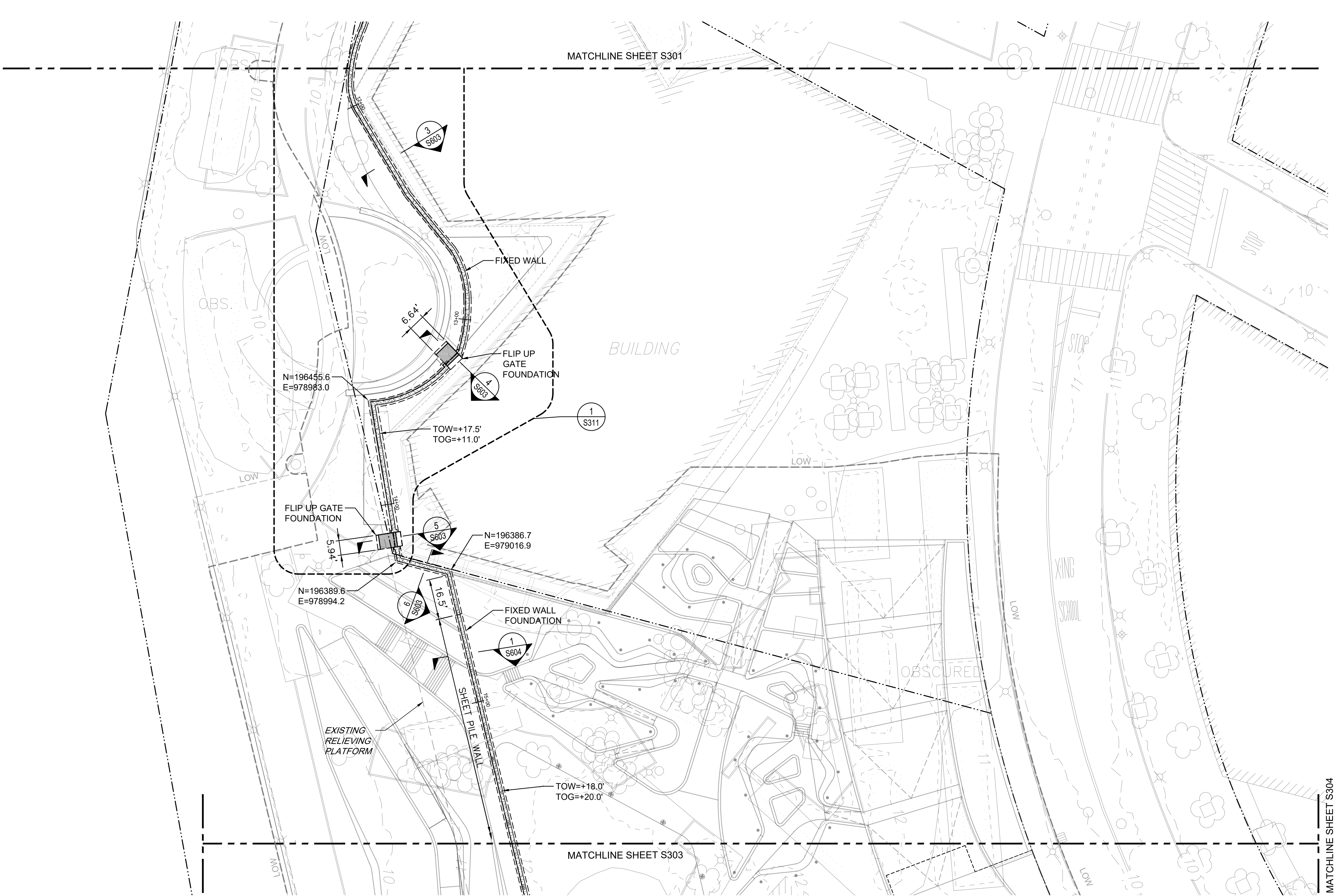
SHEET NUMBER

S301

ANSI D 22" x 34"

Last saved by: LIZANCI (2016-09-23) Last Printed: 2016-09-24
Filename: C:\P\WORK\AECOM\COM\DWG\024681\SBPCS02R00.DWG

Printed on 100% Post-Consumer Recycled Content Paper



PROJECT

SOUTH BATTERY PARK
RESILIENCY DESIGN
SERVICES

CLIENT

HUGH L. CAREY
BATTERY PARK CITY
AUTHORITY

CONSULTANT



AECOM DESIGN AND ENGINEERING
605 3rd Ave, 2nd Floor, New York, NY 10016
212.973.2900 tel www.aecom.com

SUB-CONSULTANT

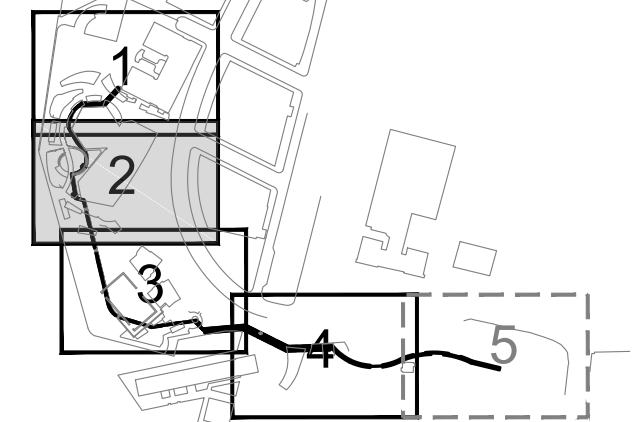
MAGNUSSON KLEMENCIC ASSOCIATES
1301 Fifth Avenue, Suite 3200
Seattle, WA 98101-2699
206.292.1200 tel 206.292.1201 fax
www.mka.com

SITE WORKS

150 West 28th St.
Suite 605
New York, NY 10001
212.255.8350 siteworkscm.com



KEY PLAN



REGISTRATION

PRELIMINARY
NOT FOR CONSTRUCTION

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT/TERM CONTRACT NUMBER

Contract No. 18-2586

SHEET TITLE

ALIGNMENT WALL &
FOUNDATION PLAN 2

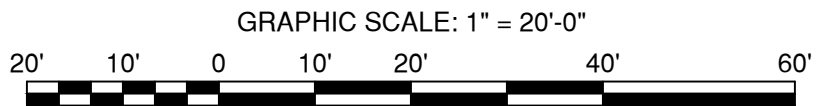
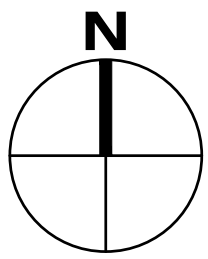
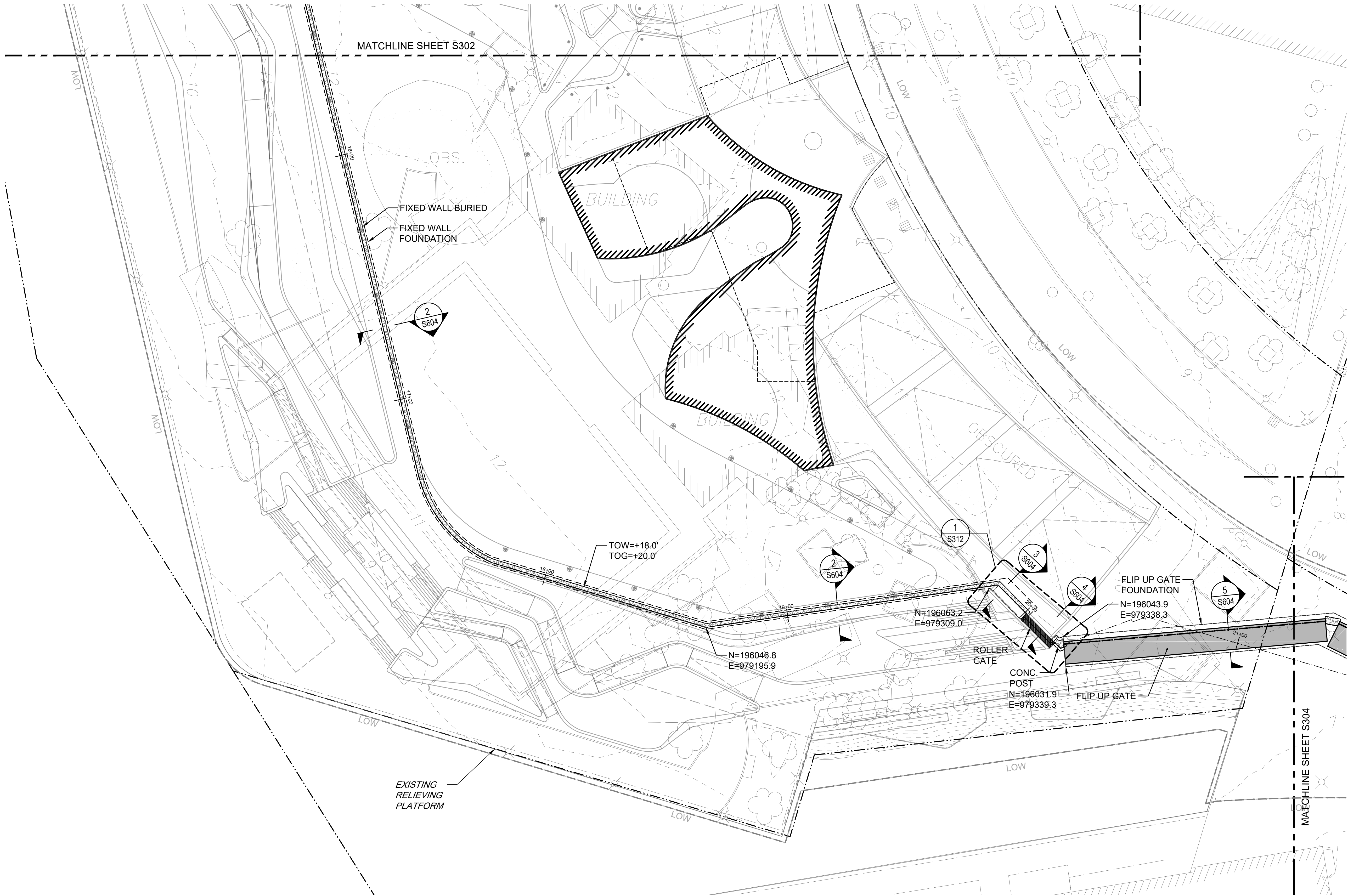
SHEET NUMBER

S302

ANSI D 22" x 34"

Last saved by: LIZANCHI (2016-09-23) Last Printed: 2016-09-24
Filename: C:\P\WORK\AECOM\COM\DWG\024681\SBPCS303R00.DWG
LIZANCHI@AECOM.COM

Printed on 100% Post-Consumer Recycled Content Paper



PROJECT

SOUTH BATTERY PARK
RESILIENCY DESIGN
SERVICES

CLIENT

HUGH L. CAREY
BATTERY PARK CITY
AUTHORITY

CONSULTANT



AECOM DESIGN AND ENGINEERING
605 3rd Ave, 2nd Floor, New York, NY 10016
212.973.2900 tel www.aecom.com

SUB-CONSULTANT

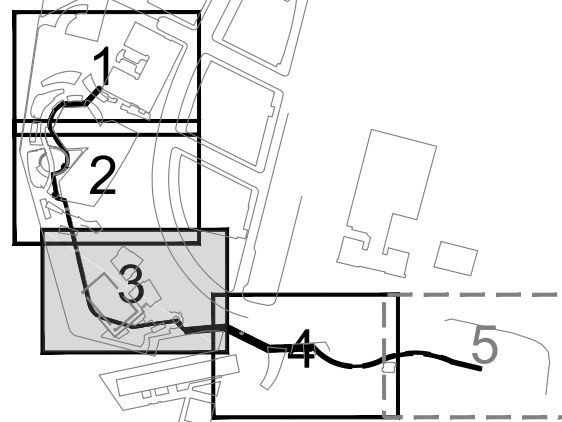
MAGNUSSON KLEMENCIC ASSOCIATES
1301 Fifth Avenue, Suite 3200
Seattle, WA 98101-2699
206.292.1200 tel 206.292.1201 fax
www.mka.com

SITE WORKS

150 West 28th St.
Suite 605
New York, NY 10001
212.255.8350 siteworkscm.com



KEY PLAN



REGISTRATION

PRELIMINARY
NOT FOR CONSTRUCTION

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT/TERM CONTRACT NUMBER

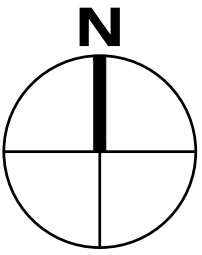
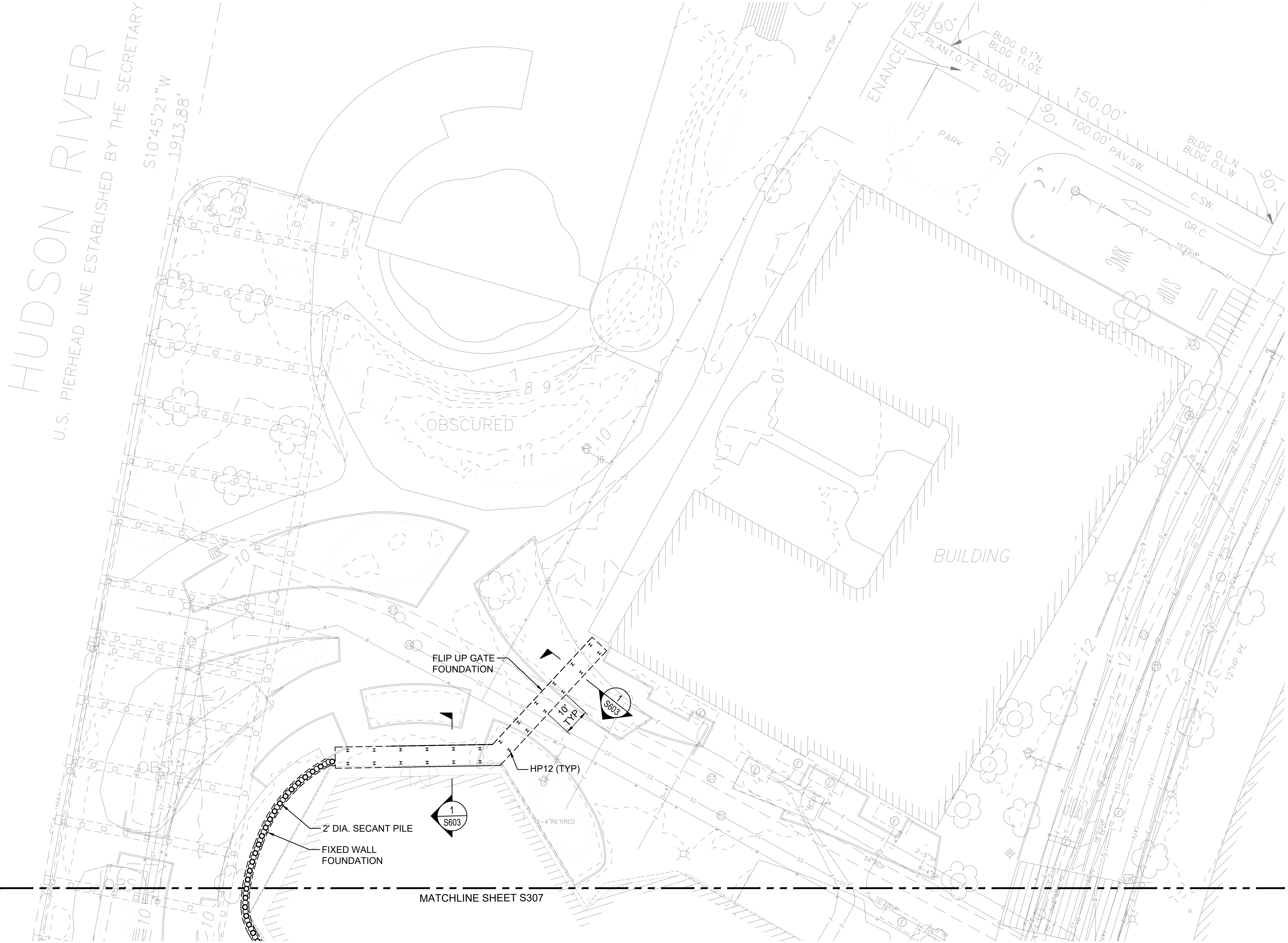
Contract No. 18-2586

SHEET TITLE

ALIGNMENT WALL &
FOUNDATION PLAN 3

SHEET NUMBER

S303



PROJECT

SOUTH BATTERY PARK
RESILIENCY DESIGN
SERVICES

CLIENT

HUGH L. CAREY
BATTERY PARK CITY
AUTHORITY

CONSULTANT



AECOM DESIGN AND ENGINEERING
605 3rd Ave, 2nd Floor, New York, NY 10016
212.973.2900 tel www.aecom.com

SUB-CONSULTANT

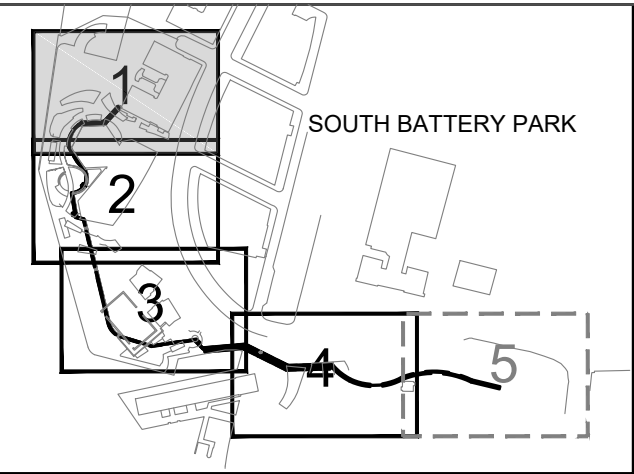
MAGNUSSON KLEMENCIC ASSOCIATES
1301 Fifth Avenue, Suite 3200
Seattle, WA 98101-2699
206.292.1200 tel 206.292.1201 fax
www.mka.com

SITE WORKS

150 West 28th St.
Suite 605
New York, NY 10001
212.255.8350 siteworkscm.com



KEY PLAN



REGISTRATION

PRELIMINARY
NOT FOR CONSTRUCTION

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT/TERM CONTRACT NUMBER

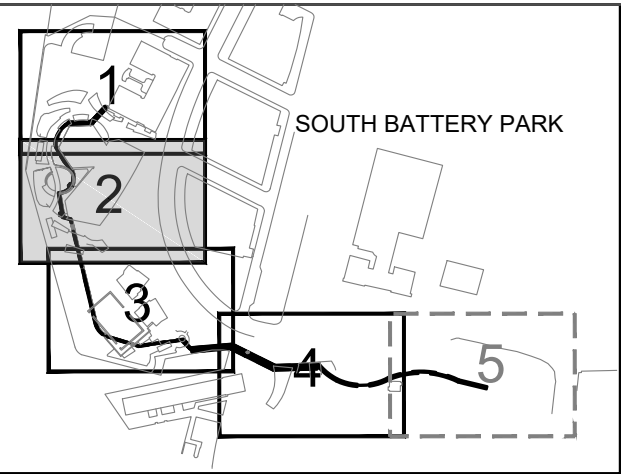
Contract No. 18-2586

SHEET TITLE

ALIGNMENT PILE LAYOUT
PLAN 1

SHEET NUMBER

S306



REGISTRATION

**PRELIMINARY
NOT FOR CONSTRUCTION**

ISSUE/REVISION

	YYYY-MM-DD	
I/R	DATE	DESCRIPTION

PROJECT/TERM CONTRACT NUMBER

Contract No. 18-2586

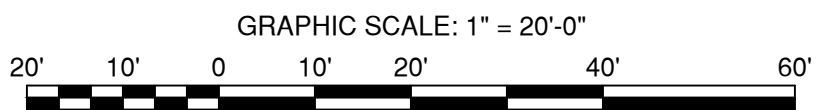
SHEET TITLE

ALIGNMENT PILE LAYOUT

PLAN 2

SHEET NUMBER

S307

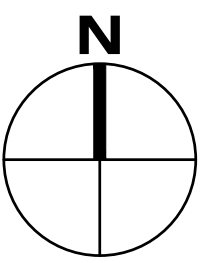
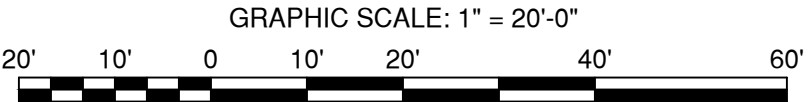
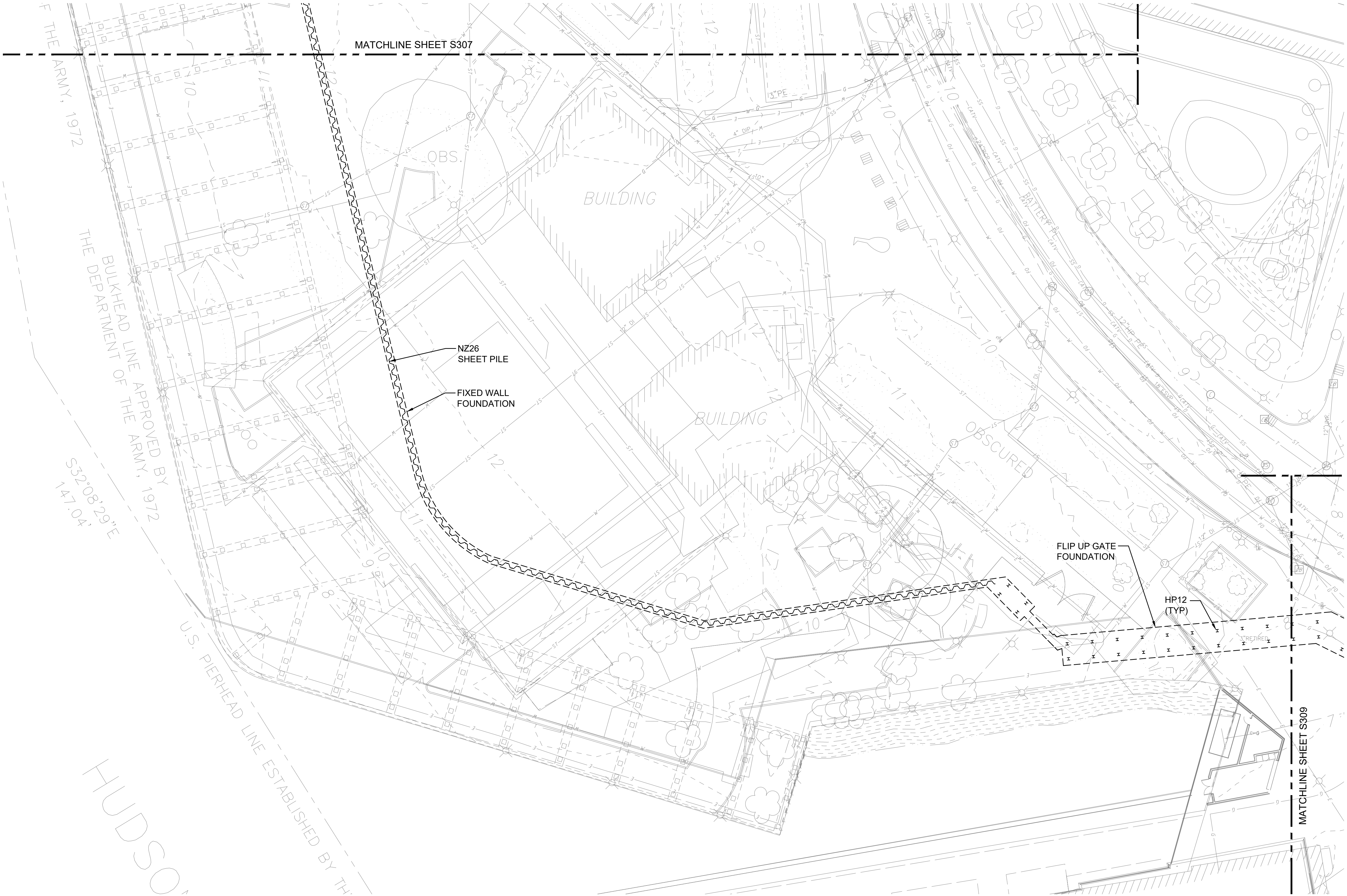


30% DRAFT DESIGN DOCUMENTS

ANSI D 22" x 34"

Last saved by: LIZANCI (2016-05-17) Last Printed: 2016-05-24
Filename: C:\P\WORK\AECOM\COM\DWG\024681\SBPCS308R00.DWG

Printed on 100% Post-Consumer Recycled Content Paper



AECOM

PROJECT

**SOUTH BATTERY PARK
RESILIENCY DESIGN
SERVICES**

CLIENT

**HUGH L. CAREY
BATTERY PARK CITY
AUTHORITY**

CONSULTANT

AECOM

AECOM DESIGN AND ENGINEERING
605 3rd Ave, 2nd Floor, New York, NY 10016
212.973.2900 tel www.aecom.com

SUB-CONSULTANT

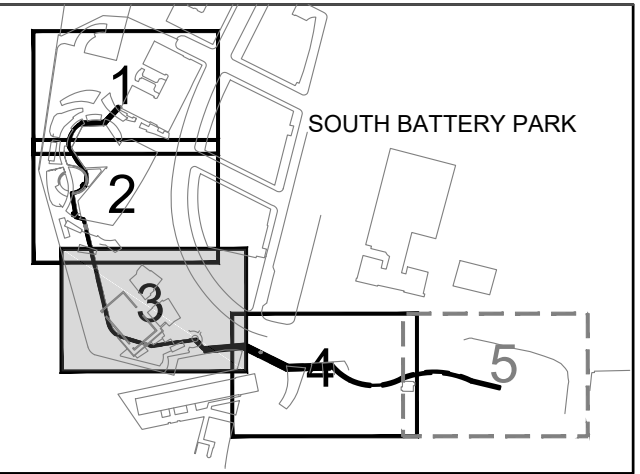
MAGNUSSON KLEMENCIC ASSOCIATES
1301 Fifth Avenue, Suite 3200
Seattle, WA 98101-2699
206.292.1200 tel 206.292.1201 fax
www.mka.com

SITE WORKS

150 West 28th St.
Suite 605
New York, NY 10001
212.255.8350 siteworkscm.com



KEY PLAN



REGISTRATION

**PRELIMINARY
NOT FOR CONSTRUCTION**

ISSUE/REVISION

1/R	DATE	DESCRIPTION

PROJECT/TERM CONTRACT NUMBER

Contract No. 18-2586

SHEET TITLE

**ALIGNMENT PILE LAYOUT
PLAN 3**

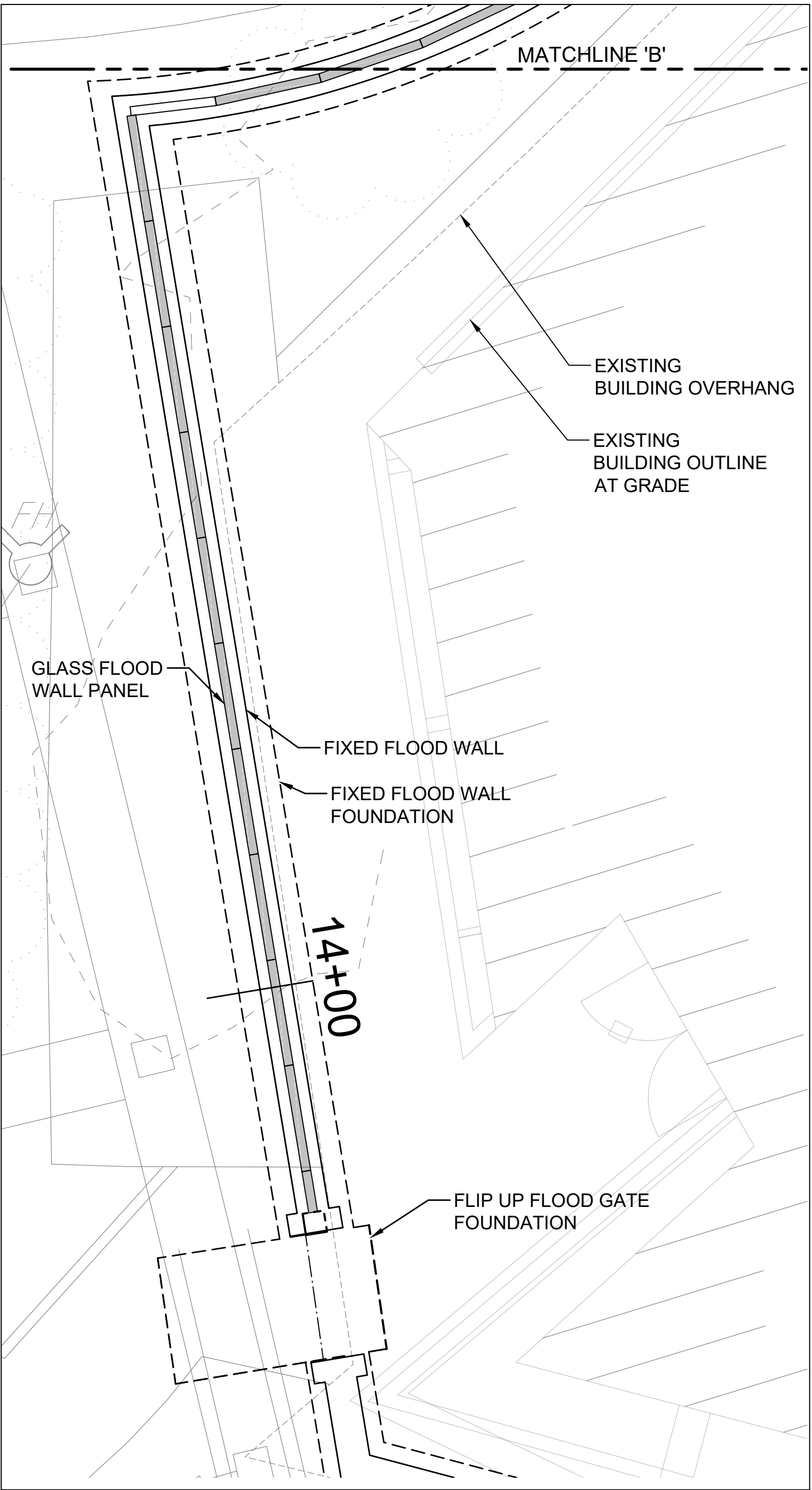
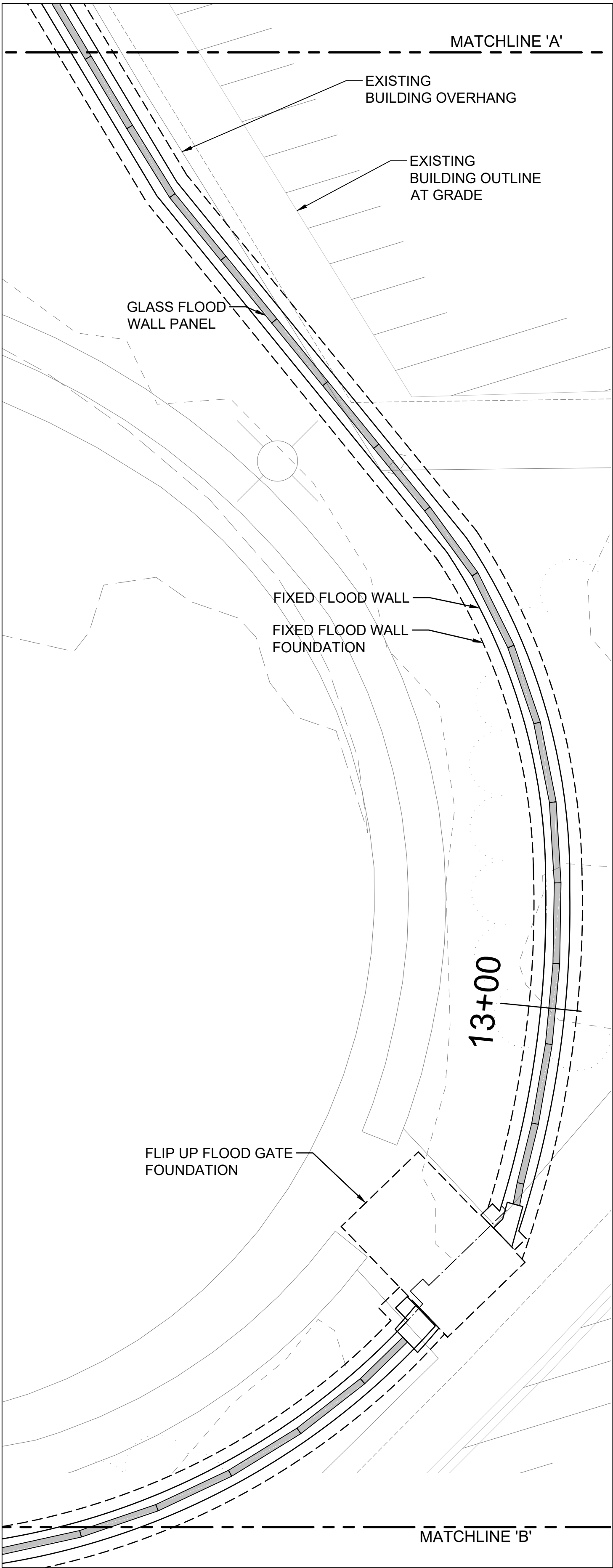
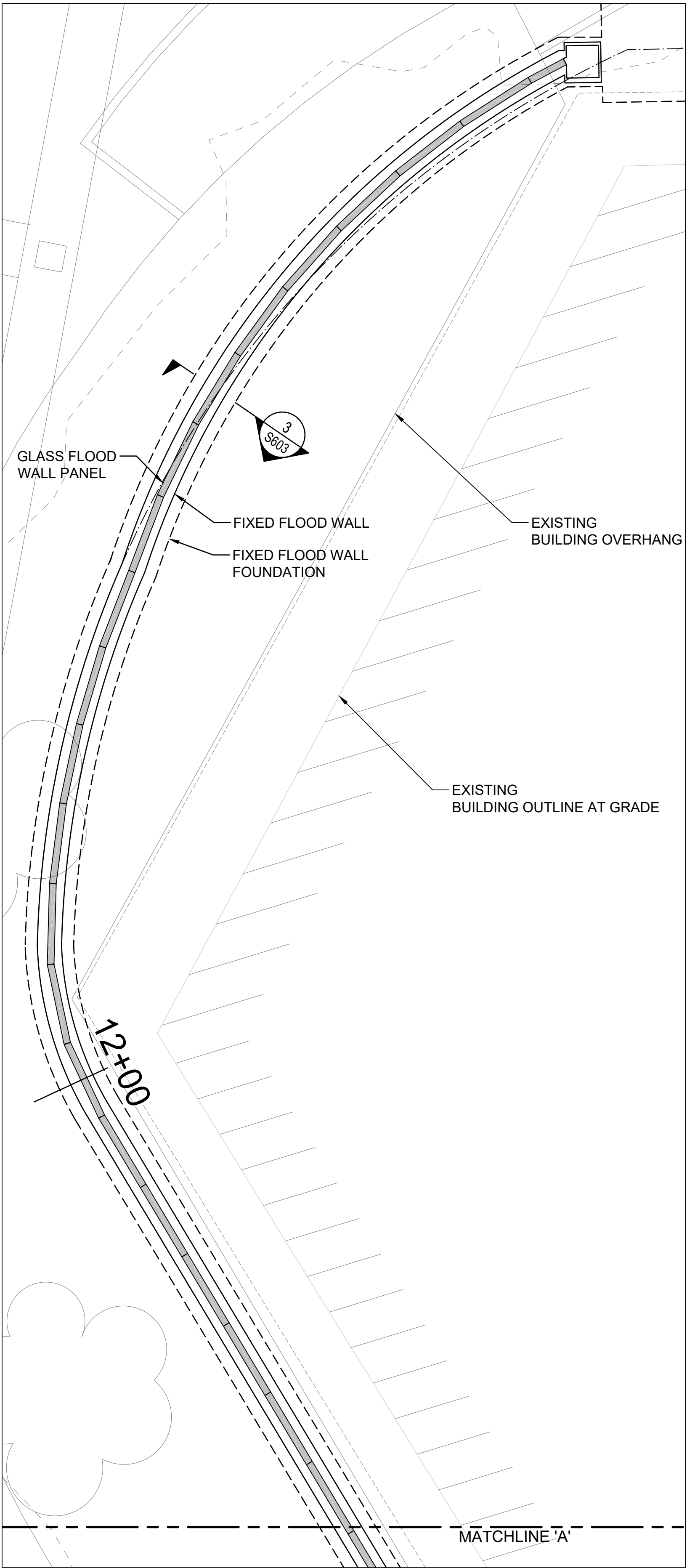
SHEET NUMBER

S308

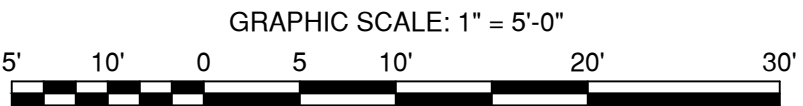
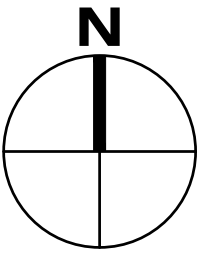
30% DRAFT DESIGN DOCUMENTS

ANSI D 22" x 34"

Last saved by: LIZANOF, 2016-09-29 15:09:29
Filename: C:\WORK\AECOM\AECOM_DSD\1417\REDDY_LIZANOF\AECOM.COM\DWG\024681\SBPCS311R00.DWG



GLASS FLOOD PANEL LAYOUT PLAN
SCALE: 1"=50'-0"



PROJECT

SOUTH BATTERY PARK
RESILIENCY DESIGN
SERVICES

CLIENT

HUGH L. CAREY
BATTERY PARK CITY
AUTHORITY

CONSULTANT



AECOM DESIGN AND ENGINEERING
605 3rd Ave, 2nd Floor, New York, NY 10016
212.973.2900 tel www.aecom.com

SUB-CONSULTANT

MAGNUSSON KLEMENCIC ASSOCIATES
1301 Fifth Avenue, Suite 3200
Seattle, WA 98101-2699
206.292.1200 tel 206.292.1201 fax
www.mka.com

SITE WORKS



150 West 28th St.
Suite 605
New York, NY 10001
212.255.8350 siteworkscm.com

KEY PLAN

REGISTRATION

PRELIMINARY
NOT FOR CONSTRUCTION

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT/TERM CONTRACT NUMBER

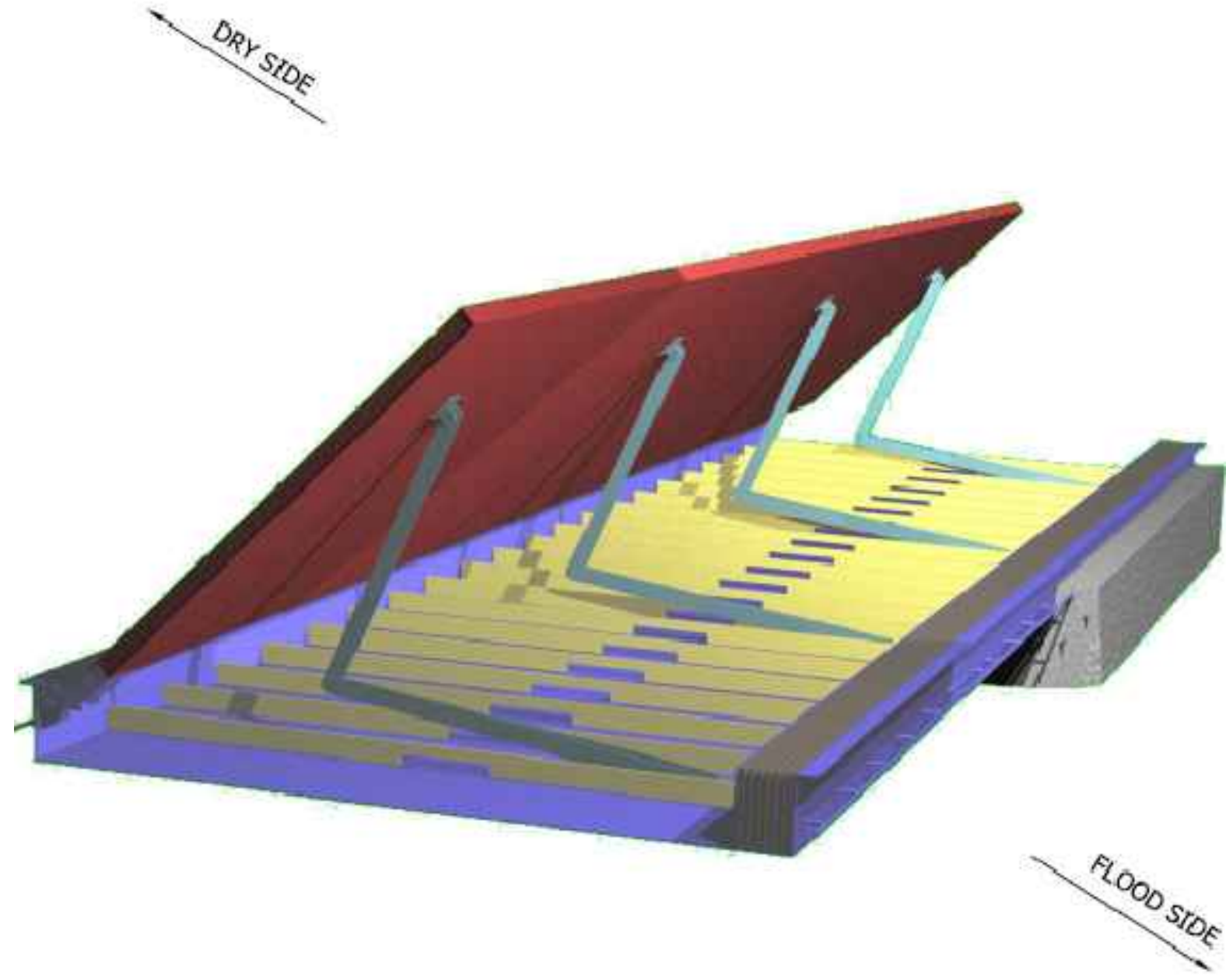
Contract No. 18-2586

SHEET TITLE

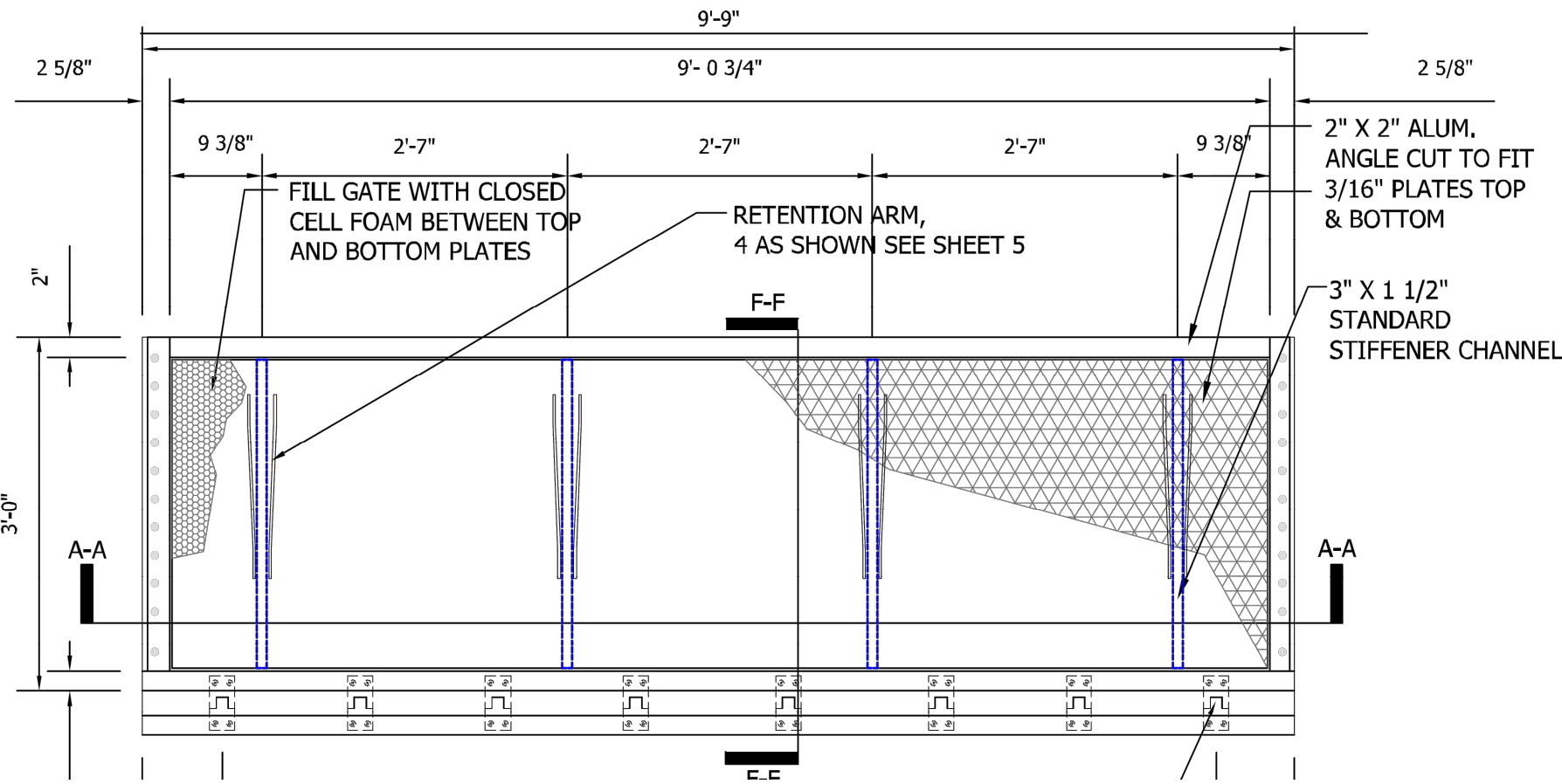
GLASS FLOOD PANEL
LAYOUT PLAN

SHEET NUMBER

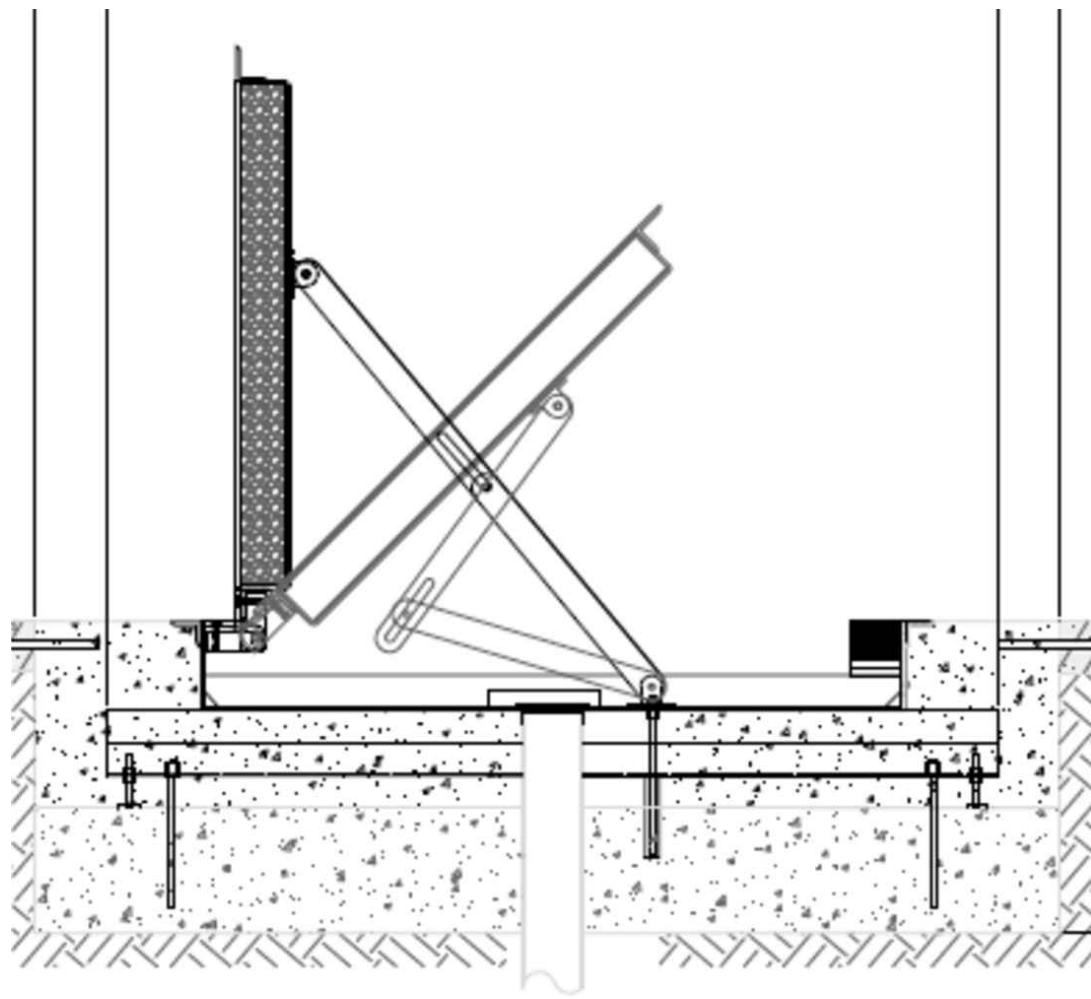
S311



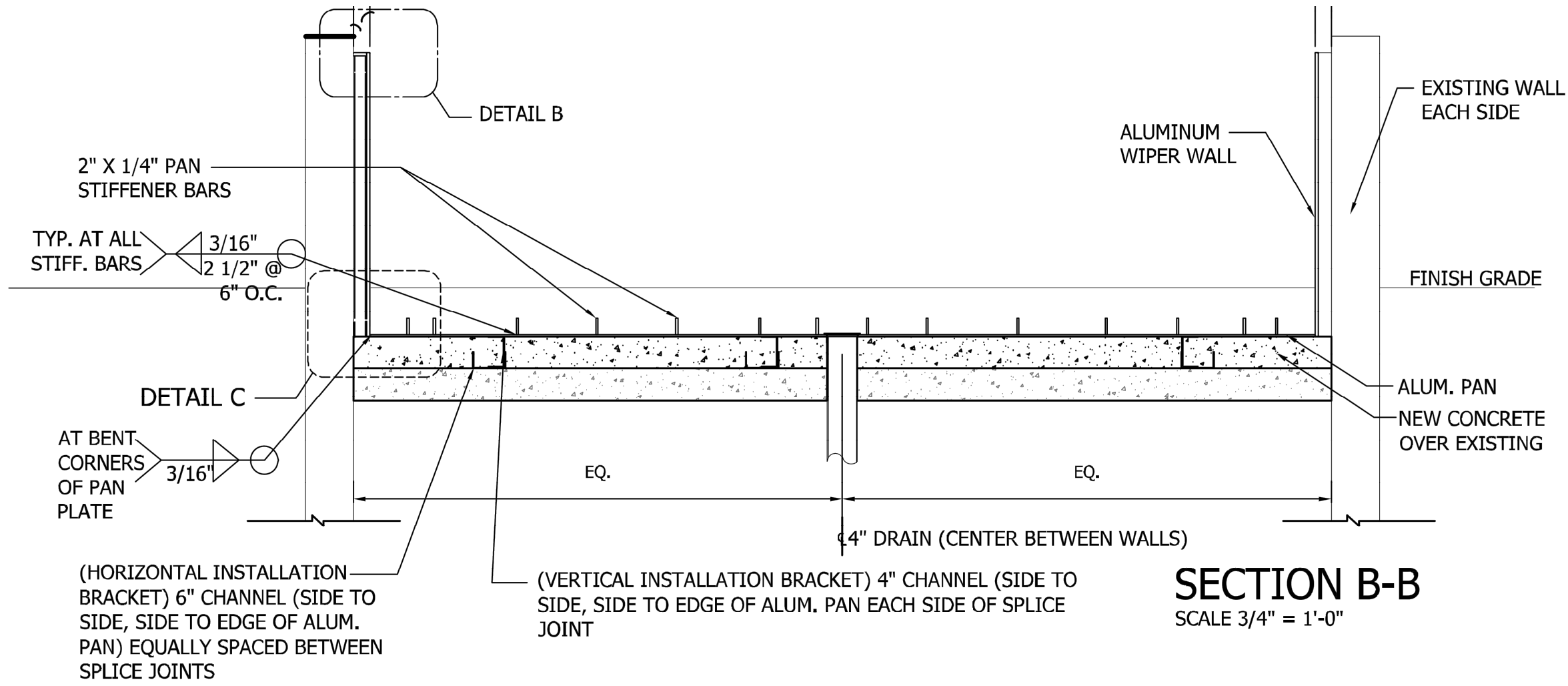
1 TYPICAL GATE SEGMENT
SCALE: N.T.S.



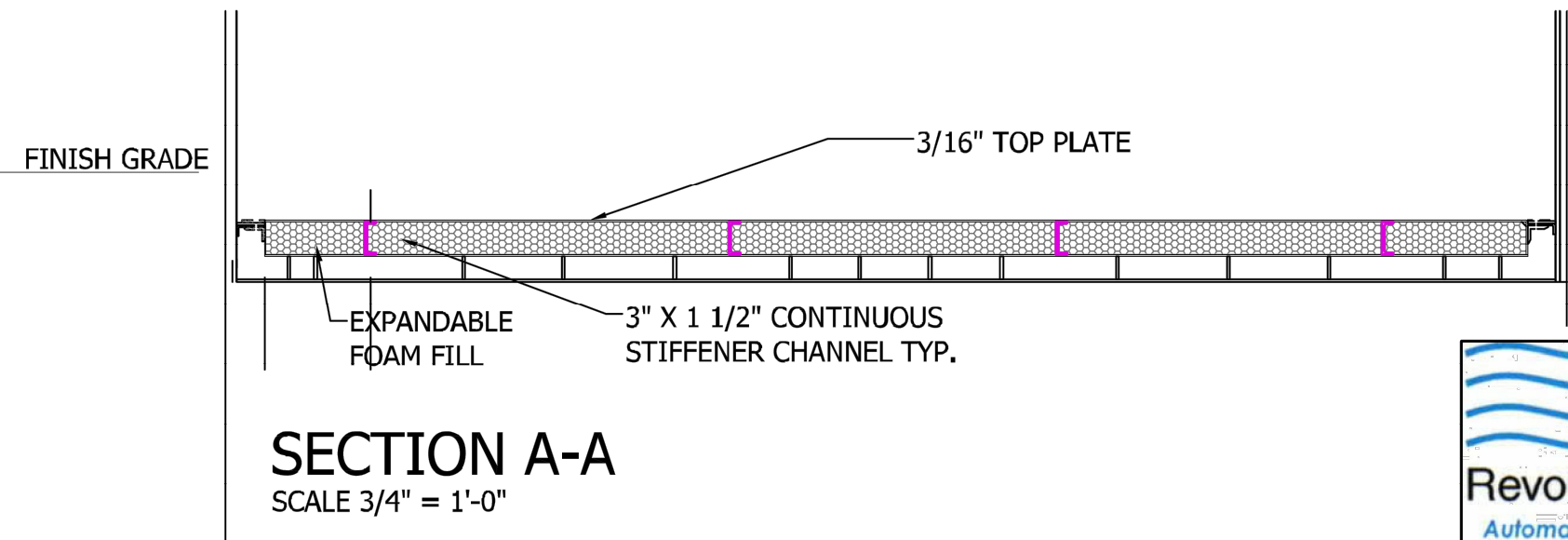
2 PLAN VIEW
SCALE: N.T.S.



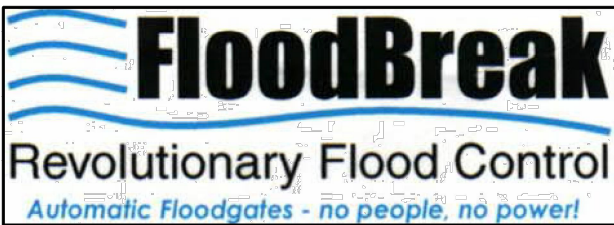
3 SCHEMATIC VIEW
SCALE: N.T.S.



SECTION B-B
SCALE 3/4" = 1'-0"



SECTION A-A
SCALE 3/4" = 1'-0"



4 SECTION VIEWS
SCALE: N.T.S.

NOTE: DETAILS ARE SHOWN FOR DEMONSTRATIVE PURPOSES ONLY.

PROJECT

SOUTH BATTERY PARK
RESILIENCY DESIGN
SERVICES

CLIENT

HUGH L. CAREY
BATTERY PARK CITY
AUTHORITY

CONSULTANT

AECOM

AECOM DESIGN AND ENGINEERING
605 3rd Ave, 2nd Floor, New York, NY 10016
212.973.2900 tel www.aecom.com

SUB-CONSULTANT

MAGNUSON KLEMENCIC ASSOCIATES
1301 Fifth Avenue, Suite 3200
Seattle, WA 98101-2699
206.292.1200 tel 206.292.1201 fax
www.mka.com

SITE WORKS

150 West 28th St.
Suite 605
New York, NY 10001
212.255.8350 siteworkscm.com



KEY PLAN

REGISTRATION

PRELIMINARY
NOT FOR CONSTRUCTION

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT/TERM CONTRACT NUMBER

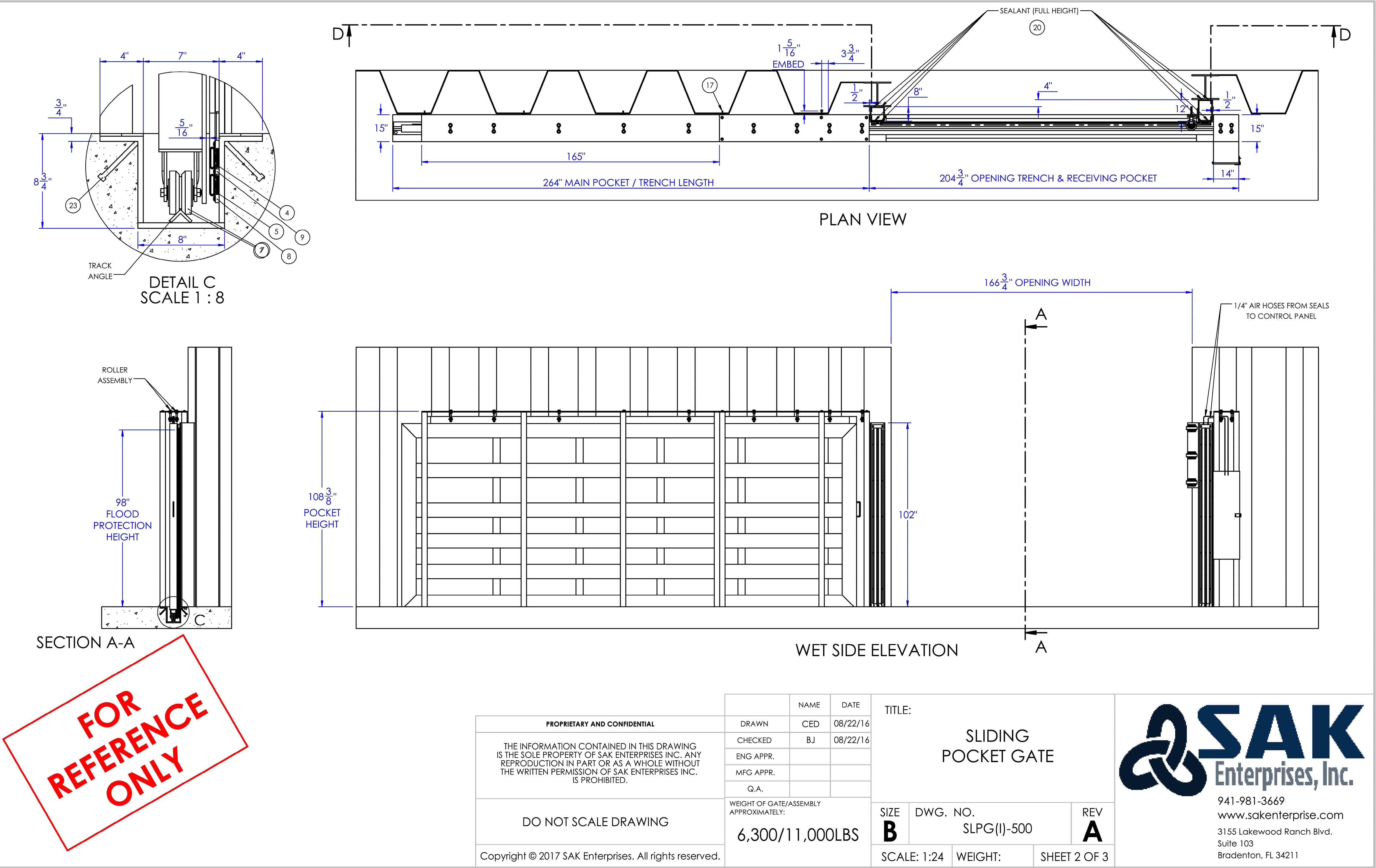
Contract No. 18-2586

SHEET TITLE

FLIP UP GATE DETAILS

SHEET NUMBER

S401



NOTE: DETAILS ARE SHOWN FOR DEMONSTRATIVE PURPOSES ONLY.

1 ROLLER GATE DETAILS
S402 SCALE: N.T.S.

PROJECT

SOUTH BATTERY PARK
RESILIENCY DESIGN
SERVICES

CLIENT

HUGH L. CAREY
BATTERY PARK CITY
AUTHORITY

CONSULTANT

AECOM

AECOM DESIGN AND ENGINEERING
605 3rd Ave, 2nd Floor, New York, NY 10016
212.973.2900 tel www.aecom.com

SUB-CONSULTANT

MAGNUSON KLEMENCIC ASSOCIATES
1301 Fifth Avenue, Suite 3200
Seattle, WA 98101-2699
206.292.1200 tel 206.292.1201 fax
www.mka.com

SITE WORKS

150 West 28th St.
Suite 605
New York, NY 10001
212.255.8350 siteworkscm.com



KEY PLAN

REGISTRATION

PRELIMINARY
NOT FOR CONSTRUCTION

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT/TERM CONTRACT NUMBER

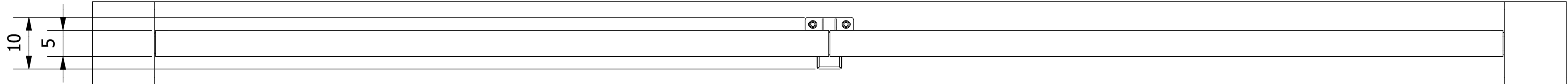
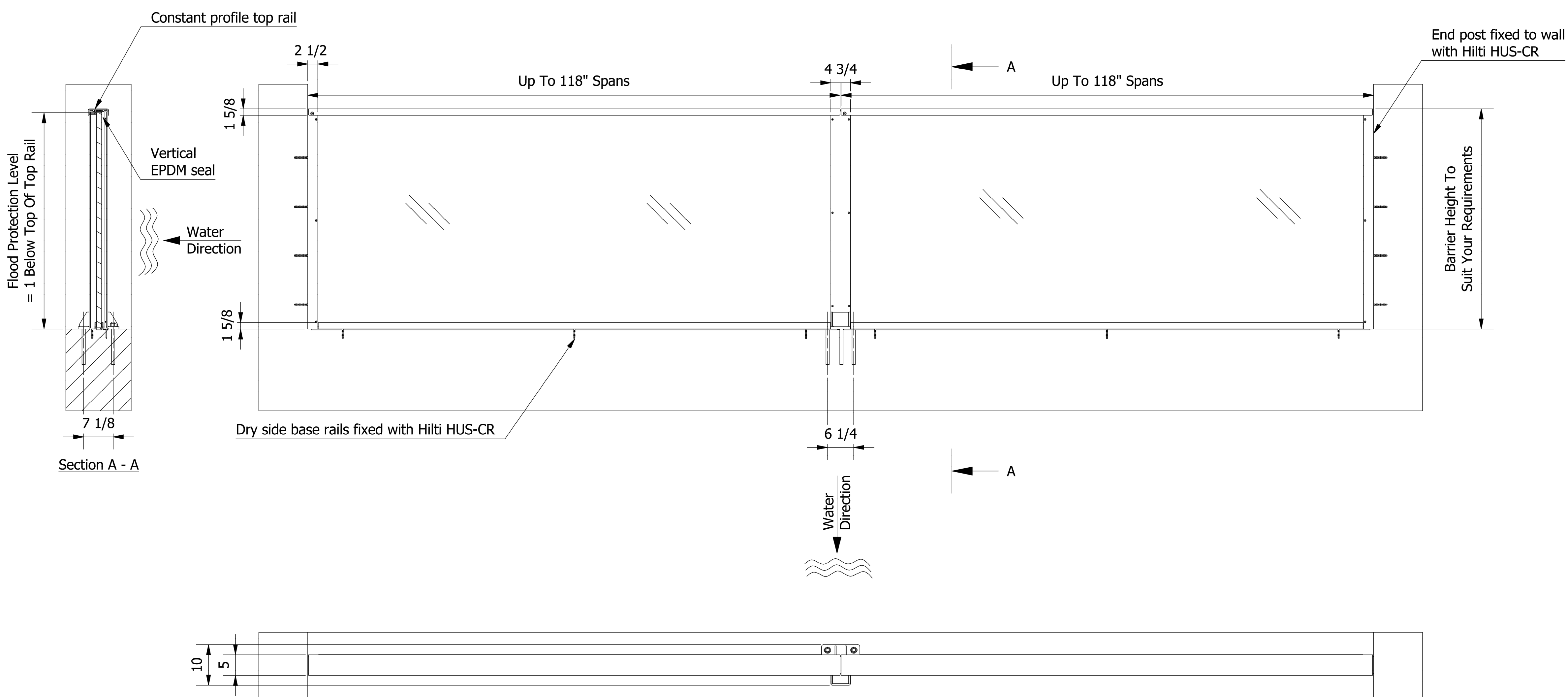
Contract No. 18-2586

SHEET TITLE

ROLLER GATE
DETAILS

SHEET NUMBER

S402



Status

For Info



+44 (0)1822 619 730

enquiries@floodcontrolint.com

FLOOD CONTROL INTERNATIONAL LTD operate a policy of continuous improvement & reserve the right to amend specifications without notice. All dimensions subject to manufacturers tolerances.

© Copyright of FLOOD CONTROL INTERNATIONAL LTD. All rights reserved. No part of this drawing to be reproduced without prior permission.

Project

-

NOTE: DETAILS ARE SHOWN FOR DEMONSTRATIVE PURPOSES ONLY.

1

S403

GLASS PANEL DETAILS

SCALE: N.T.S.

PROJECT

SOUTH BATTERY PARK
RESILIENCY DESIGN
SERVICES

CLIENT

HUGH L. CAREY
BATTERY PARK CITY
AUTHORITY

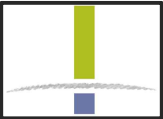
CONSULTANT

AECOM

AECOM DESIGN AND ENGINEERING
605 3rd Ave, 2nd Floor, New York, NY 10016
212.973.2900 tel www.aecom.com

SUB-CONSULTANT

MAGNUSSON KLEMENCIC ASSOCIATES
1301 Fifth Avenue, Suite 3200
Seattle, WA 98101-2699
206.292.1200 tel 206.292.1201 fax
www.mka.com

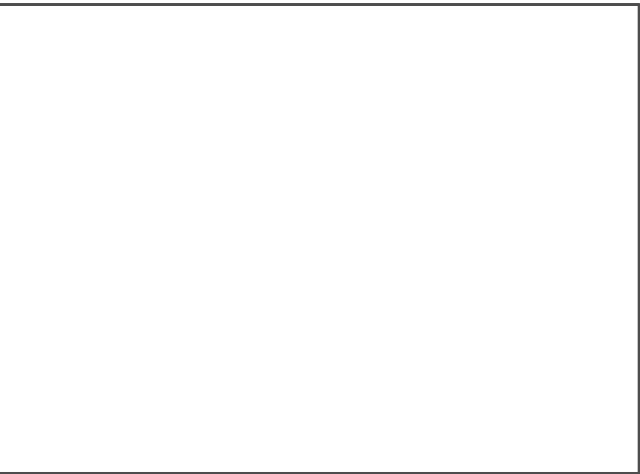


SITE WORKS

150 West 28th St.
Suite 605
New York, NY 10001
212.255.8350 siteworkscm.com



KEY PLAN



REGISTRATION

PRELIMINARY
NOT FOR CONSTRUCTION

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT/TERM CONTRACT NUMBER

Contract No. 18-2586

SHEET TITLE

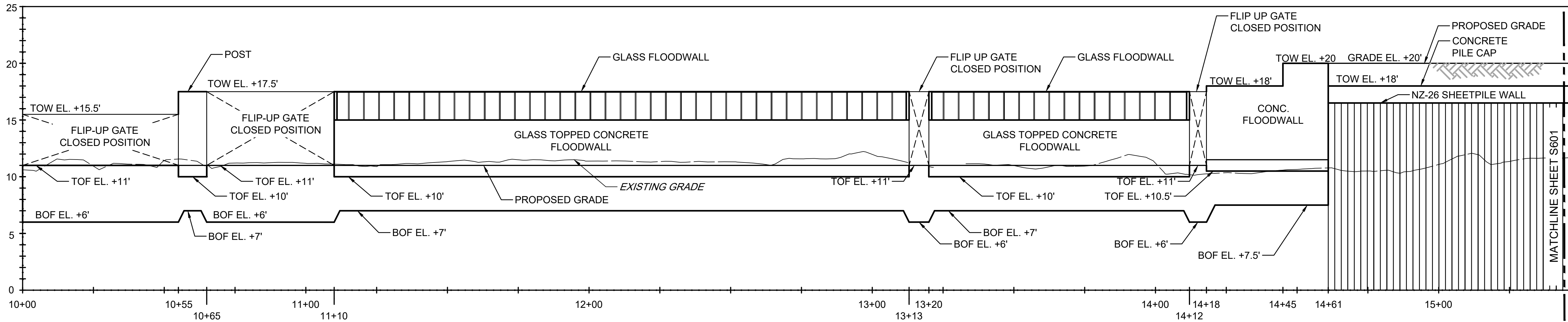
GLASS TOPPED
FLOOD WALL DETAILS

SHEET NUMBER

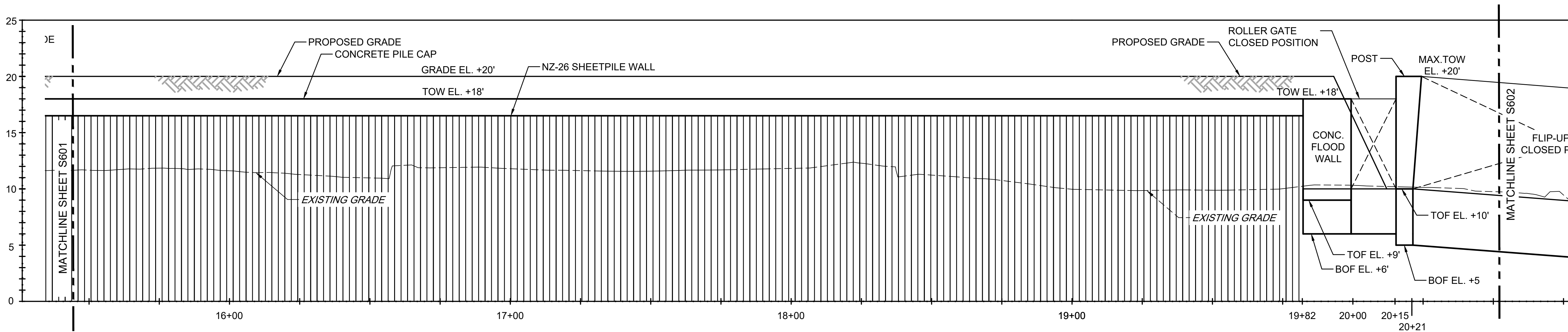
S403

ANSI D 22" x 34"

Last saved by: MURPHY201505231
Filename: C:\P\WORK\AECOM\COM\DWG\201505231\SPCS601R00.DWG
Printed on 5/23/2015 10:23:23 AM
User: MURPHY201505231
Title: SOUTH BATTERY PARK RESILIENCY DESIGN SERVICES



1 PROFILE STA. 10+00 TO 15+50
SCALE: 20'=1'-0"
VERTICAL SCALE: 4:1



2 PROFILE STA. 15+50 TO 21+50
SCALE: 20'=1'-0"
VERTICAL SCALE: 4:1

PROJECT

SOUTH BATTERY PARK
RESILIENCY DESIGN
SERVICES

CLIENT

HUGH L. CAREY
BATTERY PARK CITY
AUTHORITY

CONSULTANT

AECOM

AECOM DESIGN AND ENGINEERING
605 3rd Ave, 2nd Floor, New York, NY 10016
212.973.2900 tel www.aecom.com

SUB-CONSULTANT

MAGNUSSON KLEMENCIC ASSOCIATES
1301 Fifth Avenue, Suite 3200
Seattle, WA 98101-2699
206.292.1200 tel 206.292.1201 fax
www.mka.com

SITE WORKS

150 West 28th St.
Suite 605
New York, NY 10001
212.255.8350 siteworkscm.com



KEY PLAN

REGISTRATION

PRELIMINARY
NOT FOR CONSTRUCTION

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT/TERM CONTRACT NUMBER

Contract No. 18-2586

SHEET TITLE

ALIGNMENT PROFILE 1

SHEET NUMBER

S601

SOUTH BATTERY PARK
RESILIENCY DESIGN
SERVICES

CLIENT

HUGH L. CAREY
BATTERY PARK CITY
AUTHORITY

CONSULTANT

AECOM

AECOM DESIGN AND ENGINEERING
605 3rd Ave, 2nd Floor, New York, NY 10016
212.973.2900 tel www.aecom.com

SUB-CONSULTANT

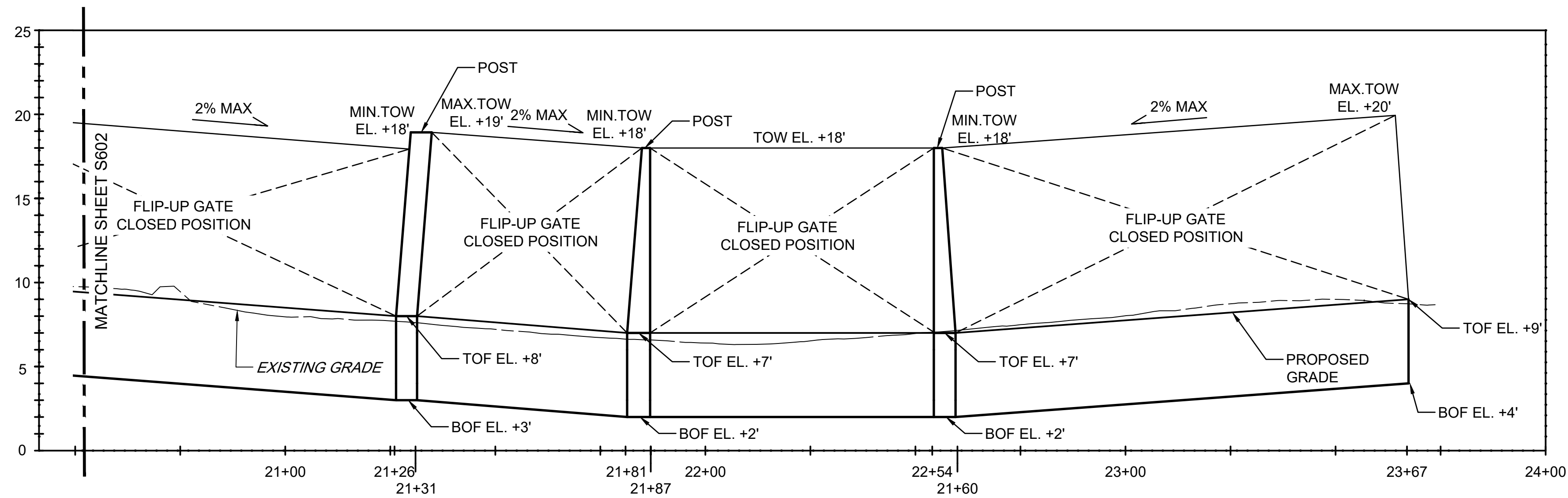
MAGNUSSON KLEMENCIC ASSOCIATES
301 Fifth Avenue, Suite 3200
Seattle, WA 98101-2699
206.292.1200 tel 206.292.1201 fax
www.mka.com

SITE WORKS

SITEWORKS

50 West 28th St.  **SiteWorkSCM**
Suite 605
New York, NY 10001
212.255.8350 siteworkscm.com

KEY PLAN



1
S602 PROFILE STA. 21+50 TO 24+00
SCALE: 20'=1'-0"
VERTICAL SCALE: 4:1

REGISTRATION

**PRELIMINARY
NOT FOR CONSTRUCTION**

ISSUE/REVISION

	YYYY-MM-DD	
I/R	DATE	DESCRIPTION

PROJECT/TERM CONTRACT NUMBER

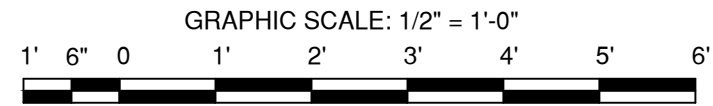
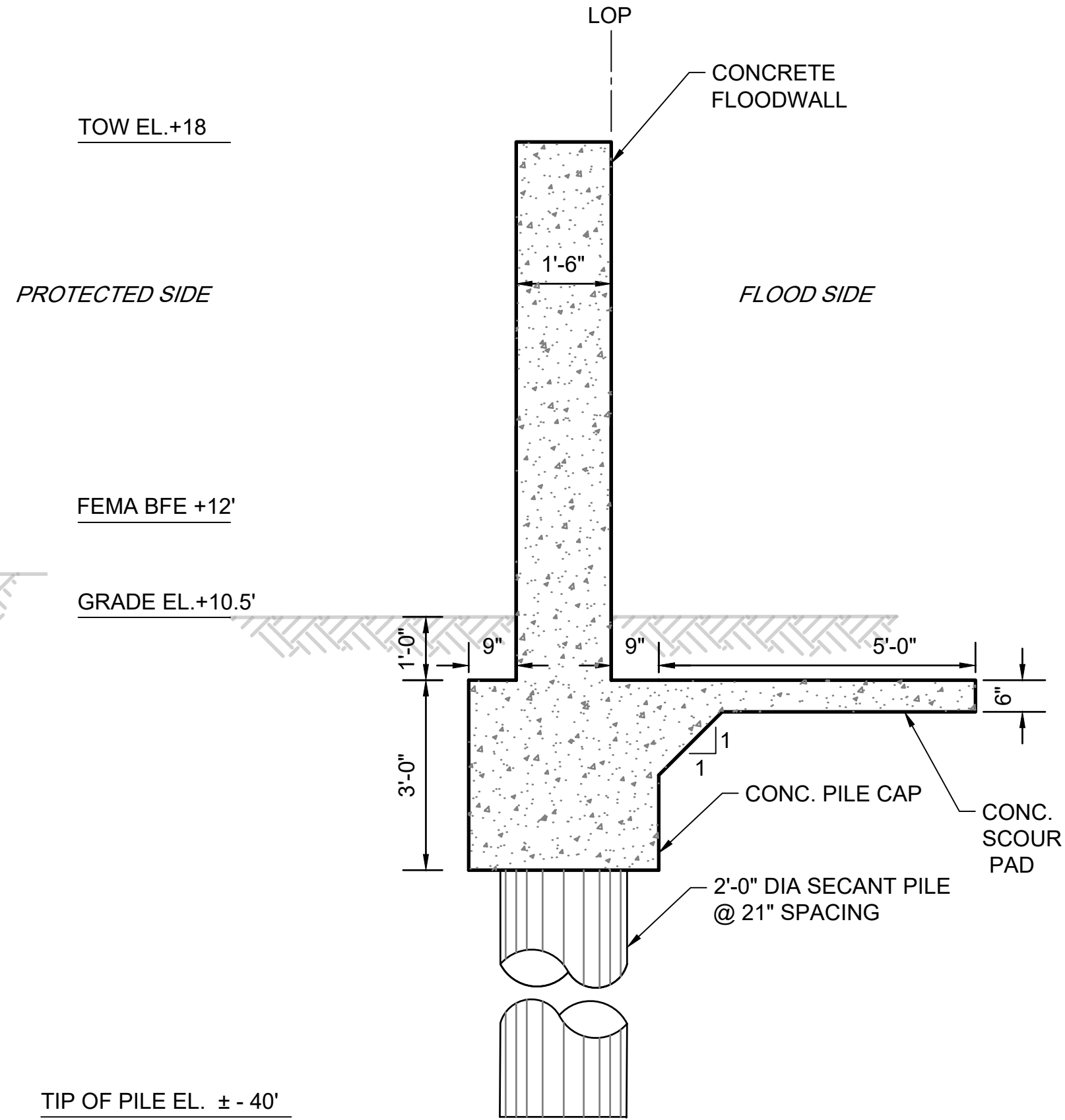
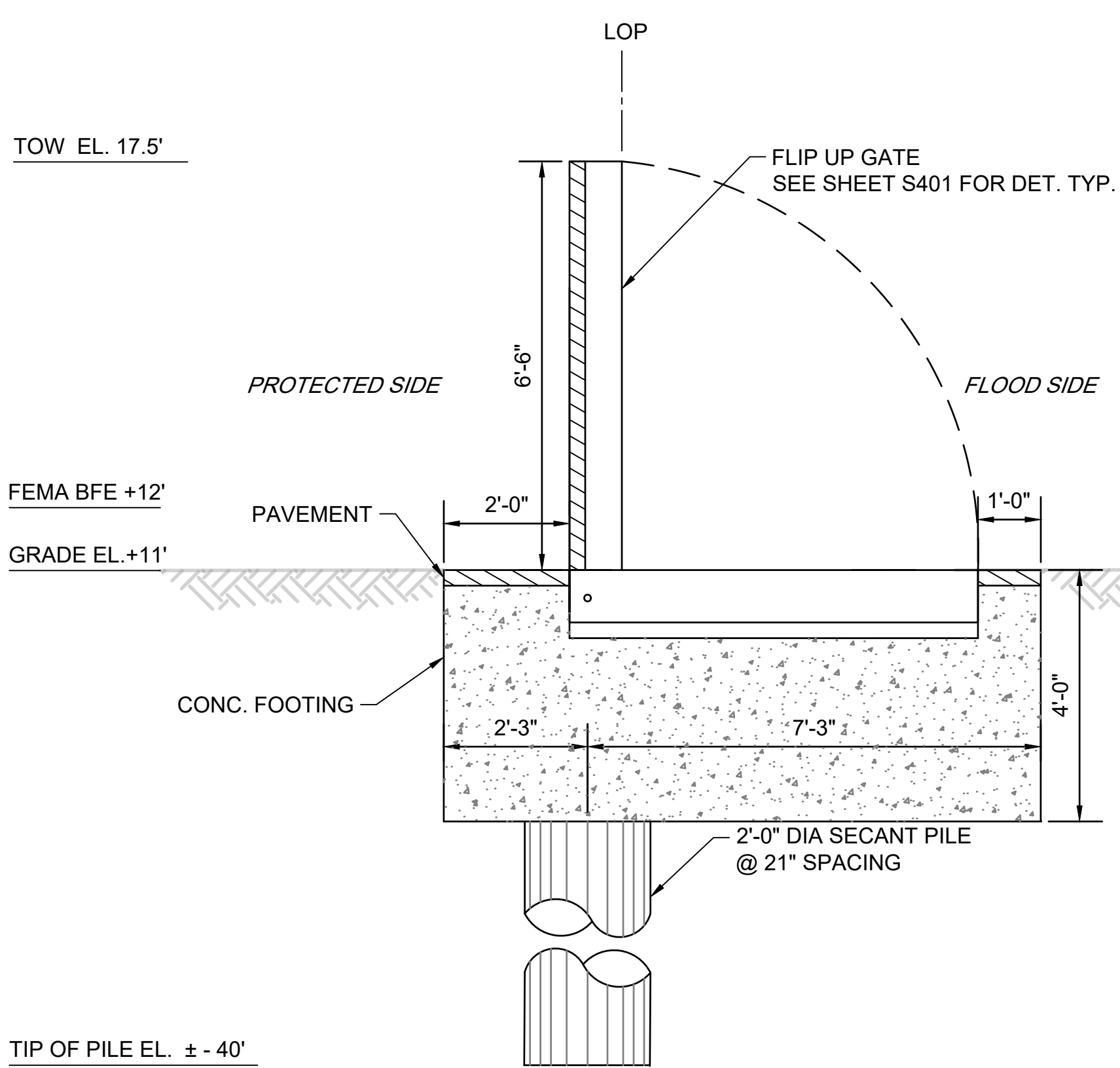
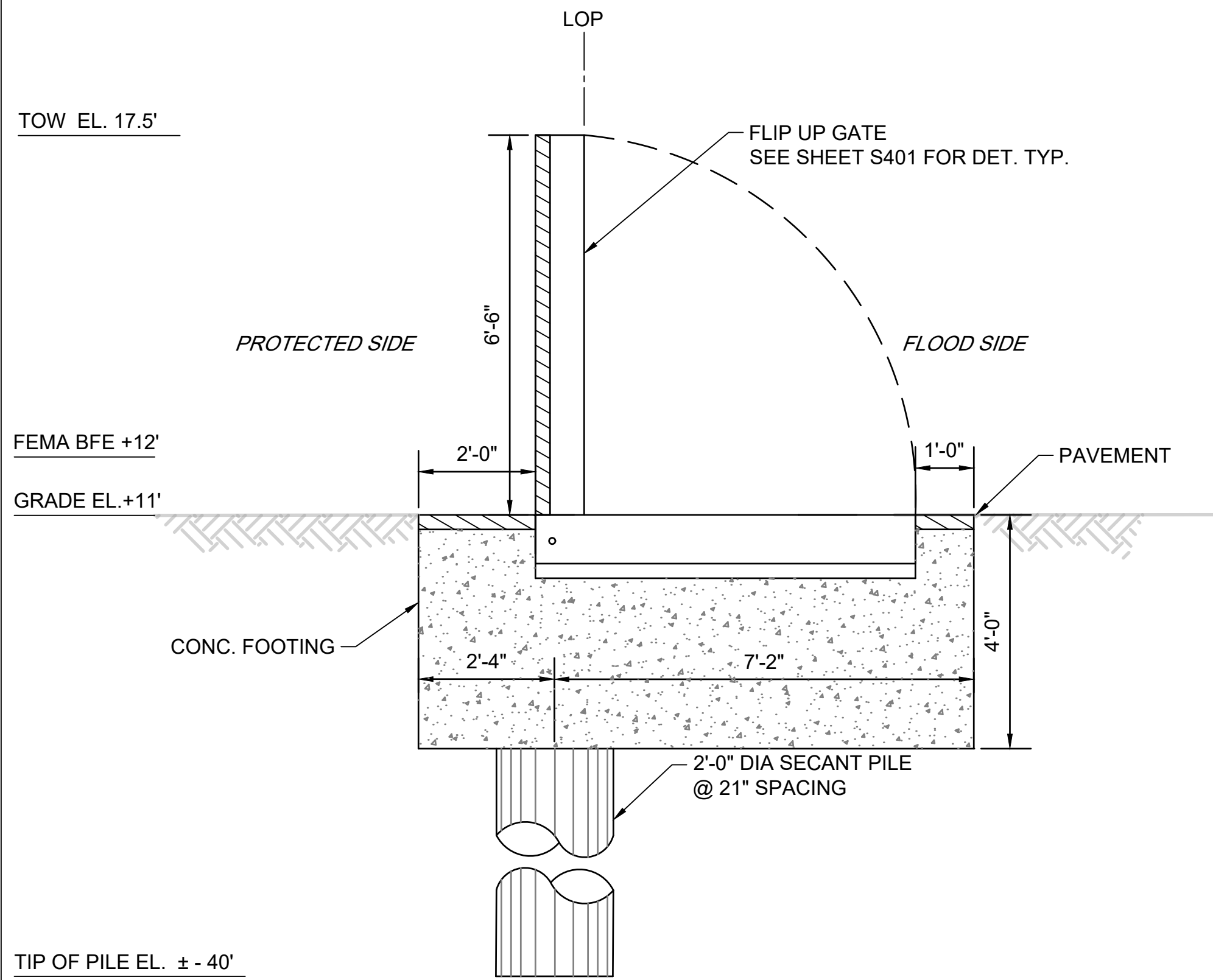
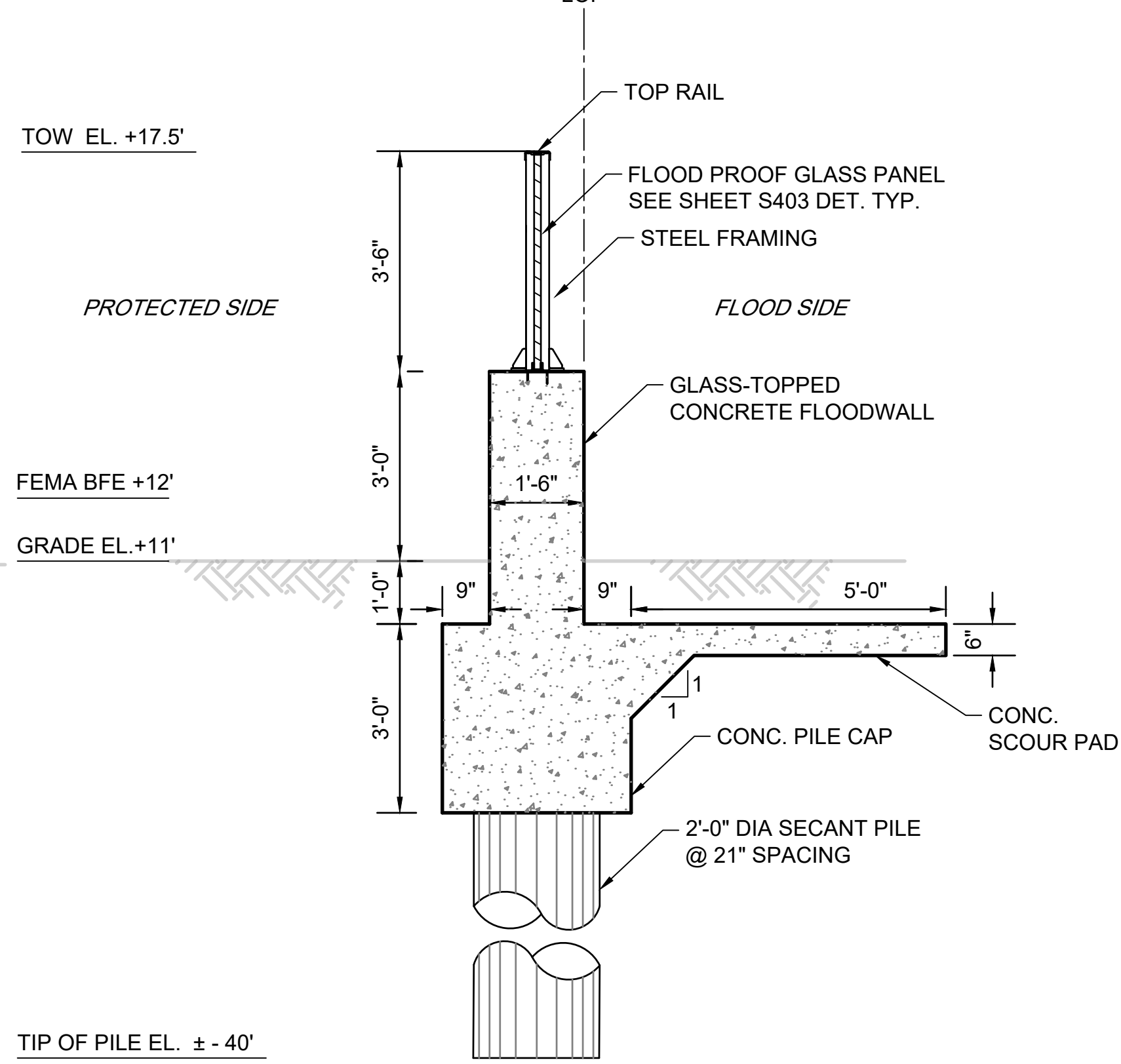
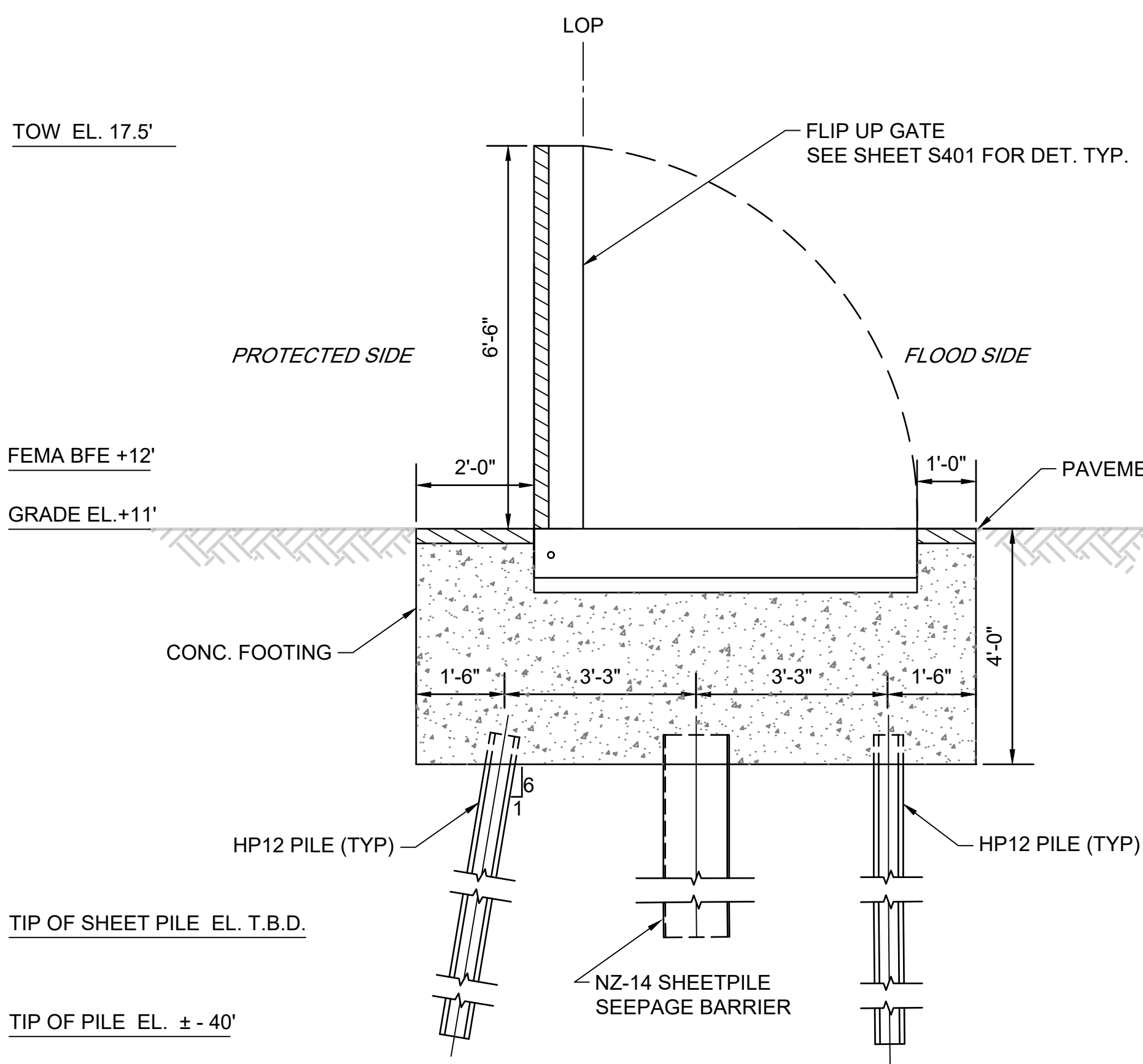
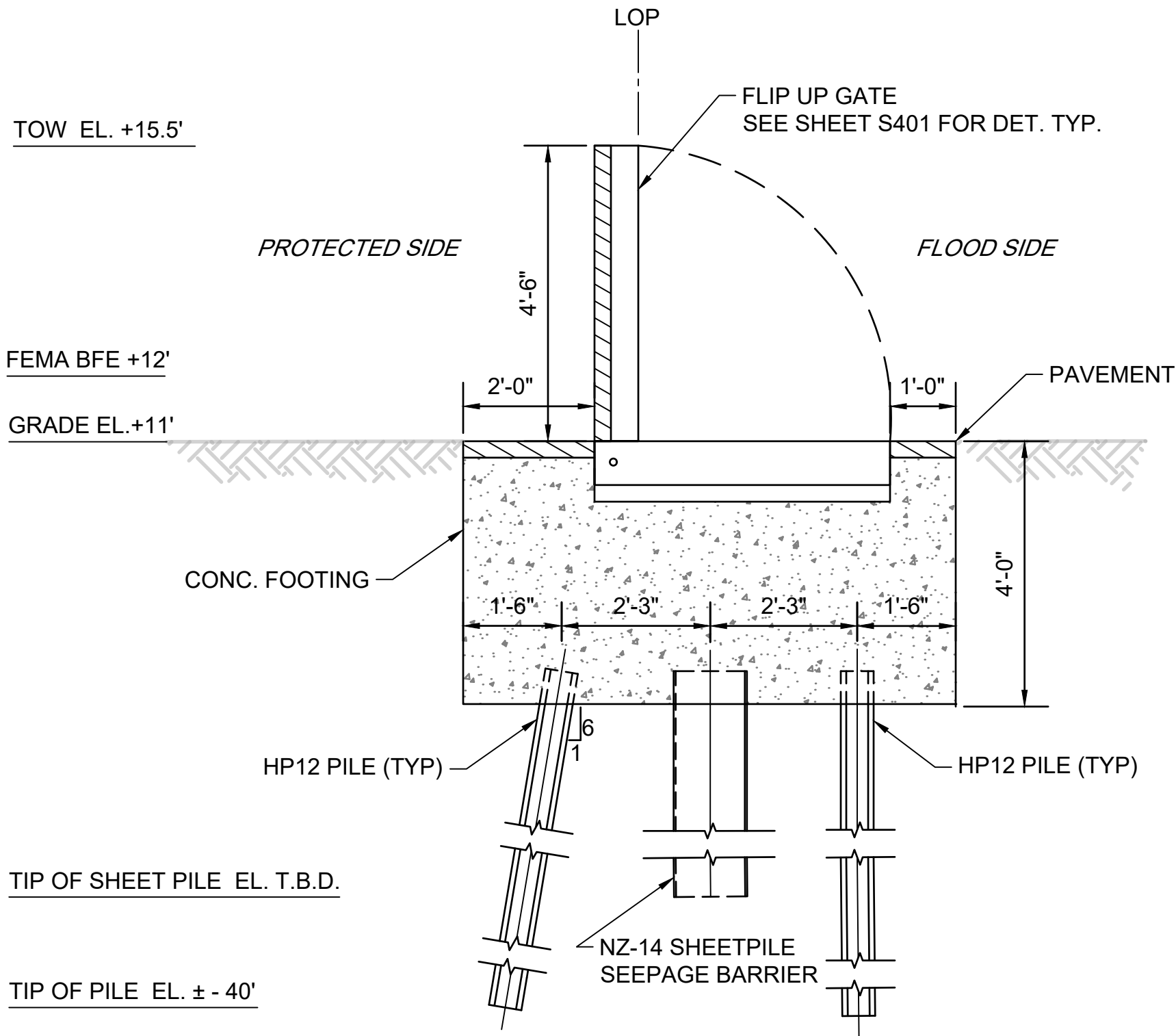
Contract No. 18-2586

SHEET TITLE

ALIGNMENT PROFILE 2

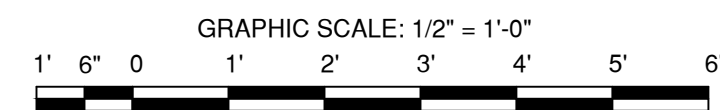
SHEET NUMBER

S602

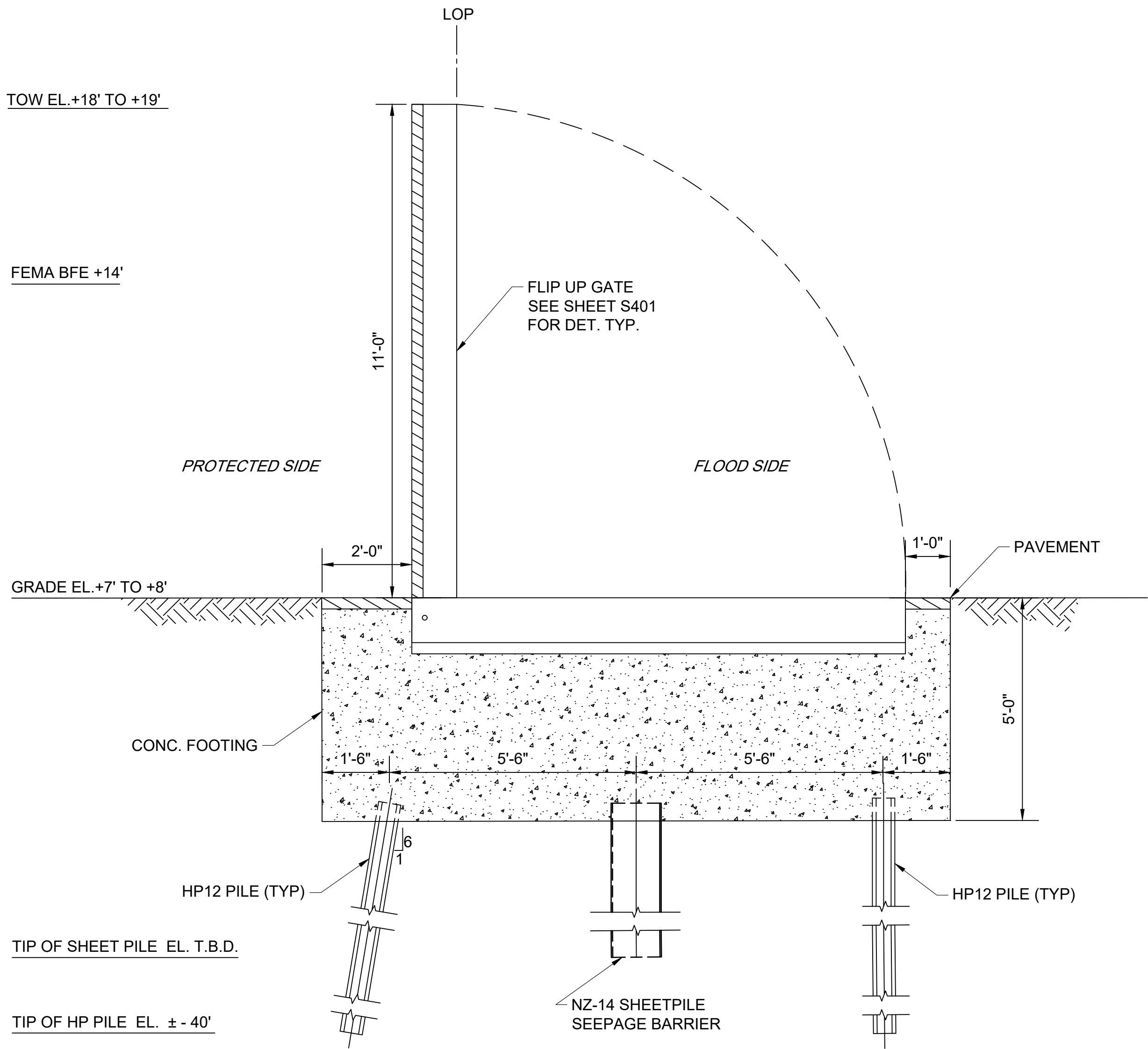


NO.	DATE	DESCRIPTION

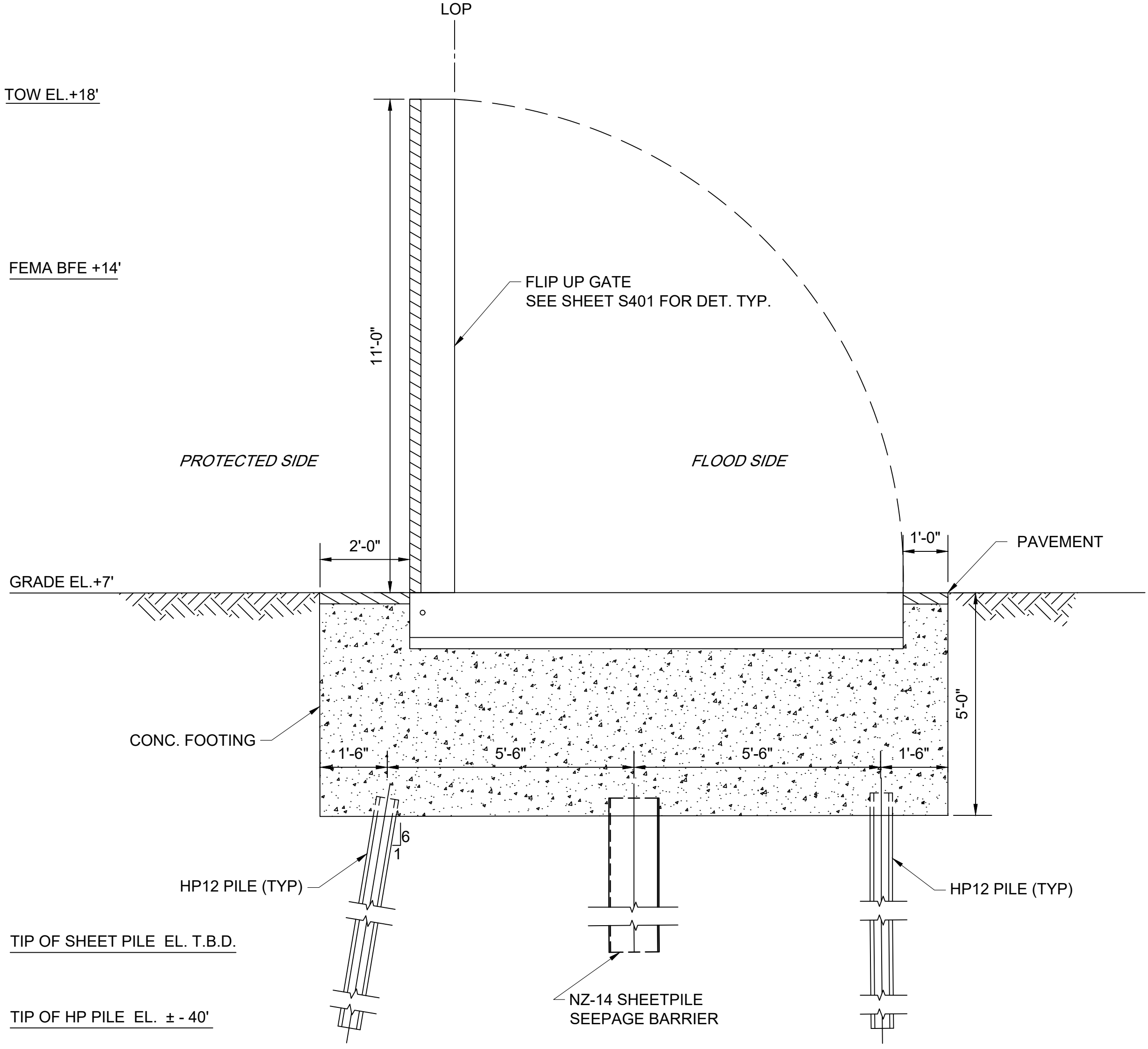
S604



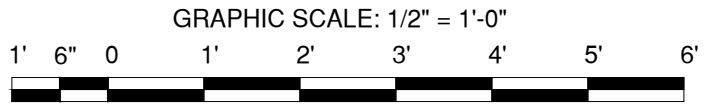
ANSI D 22" x 34"



1 SECTION 1
S605 SCALE: 1/2" = 1'-0"



2 SECTION 2
S605 SCALE: 1/2" = 1'-0"



PROJECT

SOUTH BATTERY PARK
RESILIENCY DESIGN
SERVICES

CLIENT

HUGH L. CAREY
BATTERY PARK CITY
AUTHORITY

CONSULTANT



AECOM DESIGN AND ENGINEERING
605 3rd Ave, 2nd Floor, New York, NY 10016
212.973.2900 tel www.aecom.com

SUB-CONSULTANT

MAGNUSSON KLEMENCIC ASSOCIATES
1301 Fifth Avenue, Suite 3200
Seattle, WA 98101-2699
206.292.1200 tel 206.292.1201 fax
www.mka.com

SITE WORKS



150 West 28th St.
Suite 605
New York, NY 10001
212.255.8350 siteworkscm.com

KEY PLAN

REGISTRATION

PRELIMINARY
NOT FOR CONSTRUCTION

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT/TERM CONTRACT NUMBER

Contract No. 18-2586

SHEET TITLE

ALIGNMENT
SECTIONS 3

SHEET NUMBER

S605

Last saved by: LIZANOR (2016-09-23) Last Printed: 2016-09-24
Filename: C:\P\WORK\AECOM\COM\DWG\024681\SBPCS603R00.DWG