



**US Army Corps
of Engineers®**
New York District

Integrated Hurricane Sandy General Reevaluation Report and Environmental Impact Statement

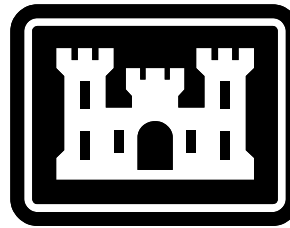
Atlantic Coast of New York

**East Rockaway Inlet to
Rockaway Inlet and Jamaica Bay**

Sub Appendix A2-F: Plans and Sections for the Recommended Plan for Jamaica Bay

US Army Corps of Engineers





INTEGRATED HURRICANE SANDY GENERAL RE-EVALUATION REPORT AND ENVIRONMENTAL IMPACT STATEMENT

ATLANTIC COAST OF NEW YORK



JAMAICA BAY

INDEX TO DRAWINGS

INDEX NO.	SHEET NO.	SHEET TITLE
1	G-001	COVER SHEET
2	G-101	SHEET KEY PLAN
3	CS-101	SITE PLAN (1 OF 9)
4	CS-102	SITE PLAN (2 OF 9)
5	CS-103	SITE PLAN (3 OF 9)
6	CS-104	SITE PLAN (4 OF 9)
7	CS-105	SITE PLAN (5 OF 9)
8	CS-106	SITE PLAN (6 OF 9)
9	CS-107	SITE PLAN (7 OF 9)
10	CS-108	SITE PLAN (8 OF 9)
11	CS-109	SITE PLAN (9 OF 9)
12	CS-501	FLOODWALL AND BULKHEAD TYPICAL SECTIONS
13	CS-502	BERM AND REVETMENT WITH FLOODWALL TYPICAL SECTIONS
14	CS-503	NATURAL AND NATURE BASED FEATURES (NNBF) SECTION
15	CS-504	ROAD RAMP SECTIONS
16	CS-505	SWING GATE PLAN AND ELEVATION
17	CU-101	INTERIOR DRAINAGE PLAN (1 OF 9)
18	CU-102	INTERIOR DRAINAGE PLAN (2 OF 9)
19	CU-103	INTERIOR DRAINAGE PLAN (3 OF 9)
20	CU-104	INTERIOR DRAINAGE PLAN (4 OF 9)
21	CU-105	INTERIOR DRAINAGE PLAN (5 OF 9)
22	CU-106	INTERIOR DRAINAGE PLAN (6 OF 9)
23	CU-107	INTERIOR DRAINAGE PLAN (7 OF 9)
24	CU-108	INTERIOR DRAINAGE PLAN (8 OF 9)
25	CU-109	INTERIOR DRAINAGE PLAN (9 OF 9)
26	CU-501	TYPICAL DRAINAGE OUTFALL DETAILS - SHEET 1
27	CU-502	TYPICAL DRAINAGE OUTFALL DETAILS - SHEET 2
28	CU-503	TYPICAL DRAINAGE OUTFALL DETAILS - SHEET 3

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	C	DRAFT FINAL GR - APPENDIX A/E	06/30/18	MK
	B	DRAFT FINAL GR - APPENDIX A/E	06/20/18	MK
	A	DRAFT FINAL GR - APPENDIX A/E	07/15/18	MK
MARK		DESCRIPTION	DATE	APPROV.

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INTEGRATED HURRICANE SANDY GENERAL RE-EVALUATION REPORT AND ENVIRONMENTAL IMPACT STATEMENT

COVER SHEET

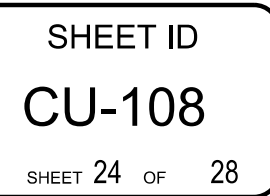
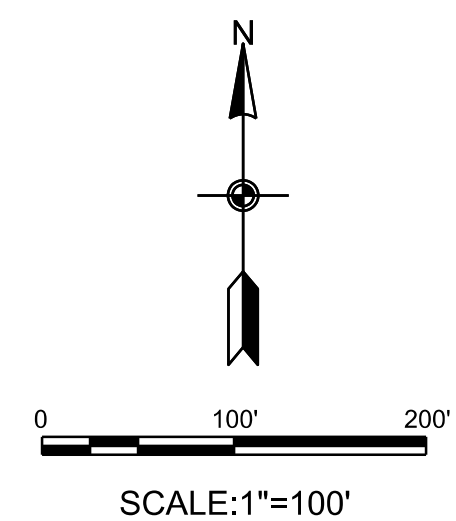
SHEET ID
G-001



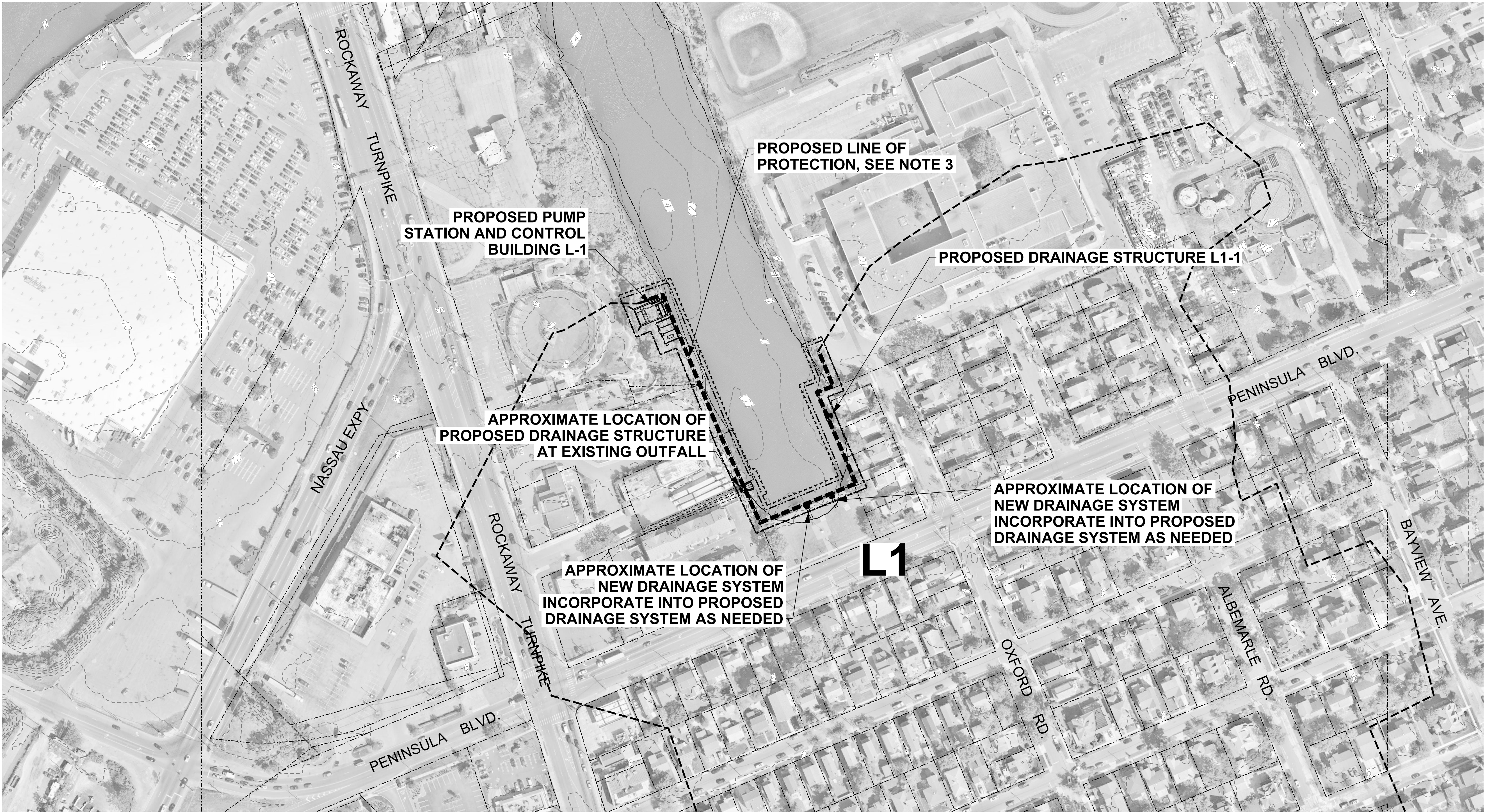


1. ALL ELEVATIONS REFERENCED TO NAVD88.
2. TYPICAL SECTIONS SHOWN ON SHEETS CU-501 TO CU-503.
3. LINE OF PROTECTION SHOWN ON SHEETS CS-101 TO CS-109.

 PROPOSED DRAINAGE AT EXISTING OUTFALL
 PROPOSED DRAINAGE AT BERM
 PROPOSED DRAINAGE AT FLOODWALL
 PROPOSED DRAINAGE AT BULKHEAD
 LIMIT OF DRAINAGE AREA
A1
 DRAINAGE AREA



LAST PLOTTED BY: Onsy Moawad11:27:55 AM 8/24/2018 FILE: W912DS_A2_CU-109.dgn PATH: K:\60485269 - IDC 3006 DMA - Mabbett JV\99999999 Jamaica Bay HFFRRF\910-CAD\1SHEETS\



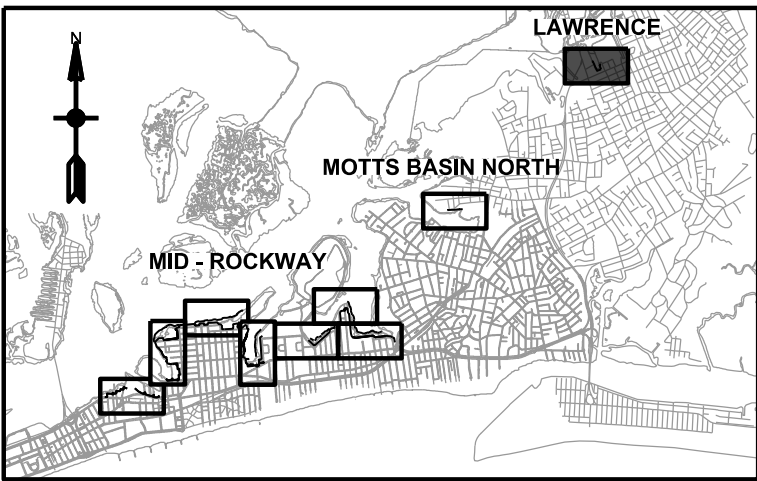
LAWRENCE
SCALE: 1" = 100'

NOTES:

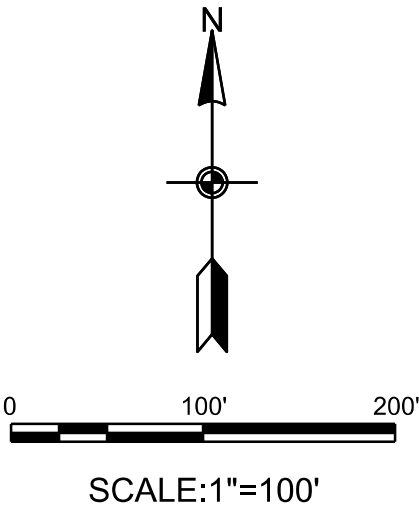
1. ALL ELEVATIONS REFERENCED TO NAVD88.
2. TYPICAL SECTIONS SHOWN ON SHEETS CU-501 TO CU-503.
3. LINE OF PROTECTION SHOWN ON SHEETS CS-101 TO CS-109.

LEGEND

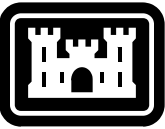
- PROPOSED DRAINAGE AT EXISTING OUTFALL
- PROPOSED DRAINAGE AT BERM
- PROPOSED DRAINAGE AT FLOODWALL
- PROPOSED DRAINAGE AT BULKHEAD
- LIMIT OF DRAINAGE AREA
- DRAINAGE AREA



KEY PLAN



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MARK	DATE	DESCRIPTION
A	07/19/18	DRAFT FINAL GRR - APPENDIX A2.E
B	08/20/18	DRAFT FINAL GRR - APPENDIX A1.E
C	08/30/18	DRAFT FINAL GRR - APPENDIX A2.E
BU	08/30/18	BU
BU	08/30/18	BU
APPR.		

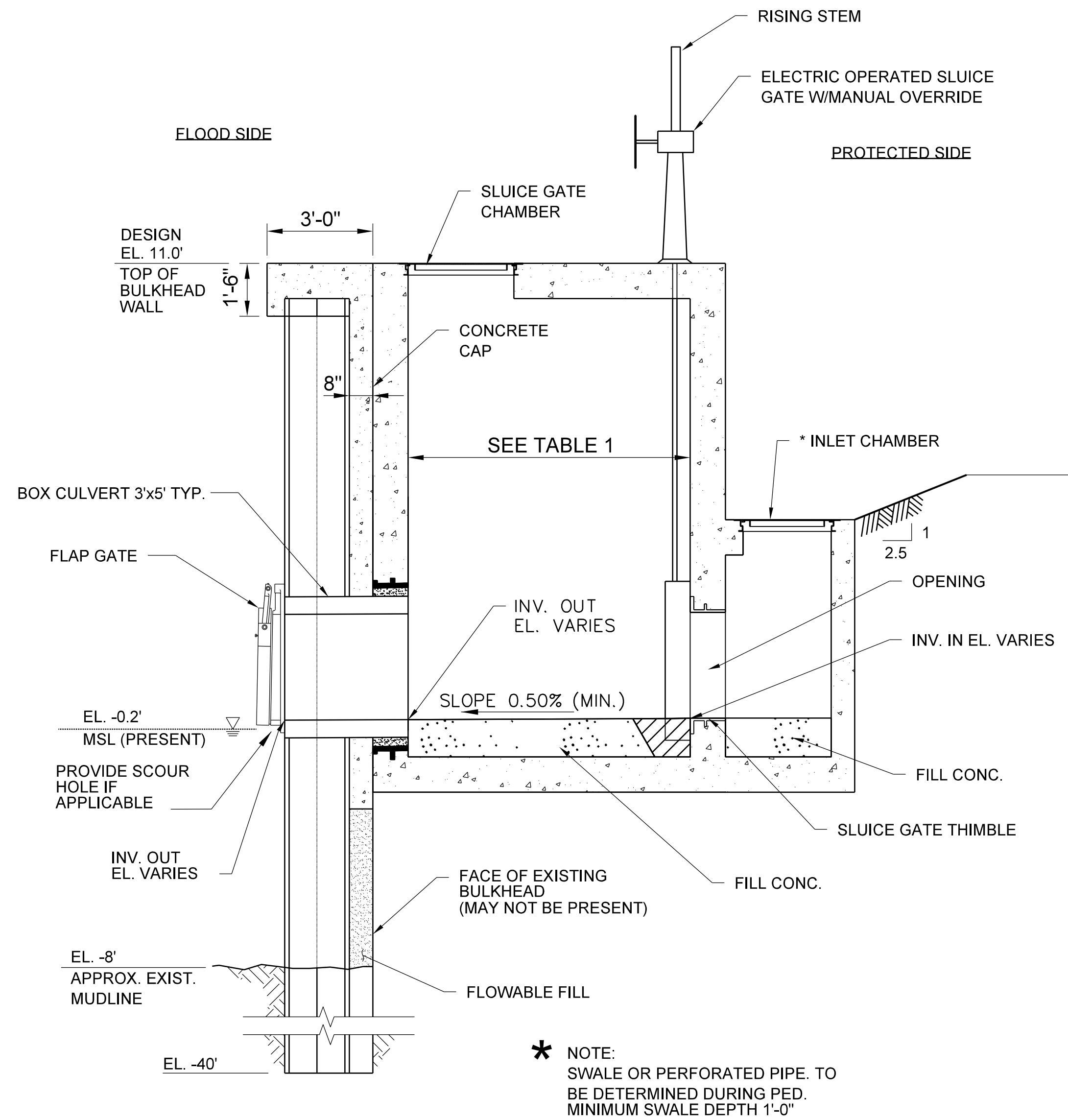
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INTEGRATED HURRICANE SANDY GENERAL
RE-EVALUATION REPORT AND ENVIRONMENTAL
IMPACT STATEMENT

INTERIOR DRAINAGE PLAN (9 OF 9)

SHEET ID
CU-109

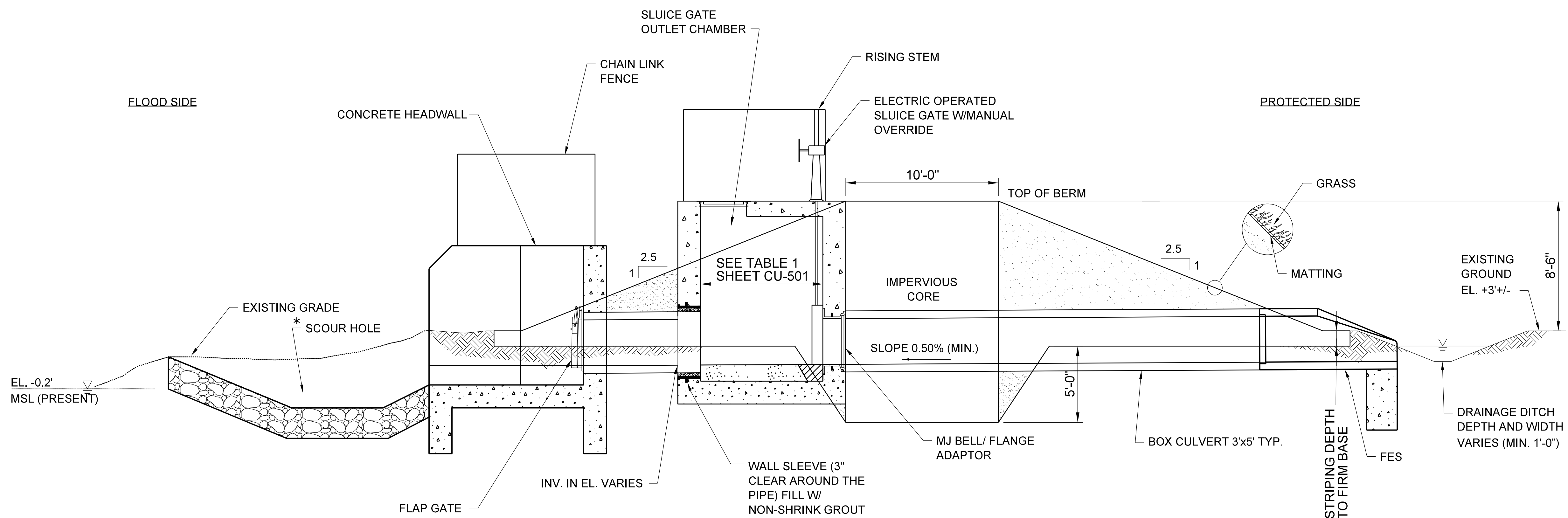
SHEET 25 OF 28



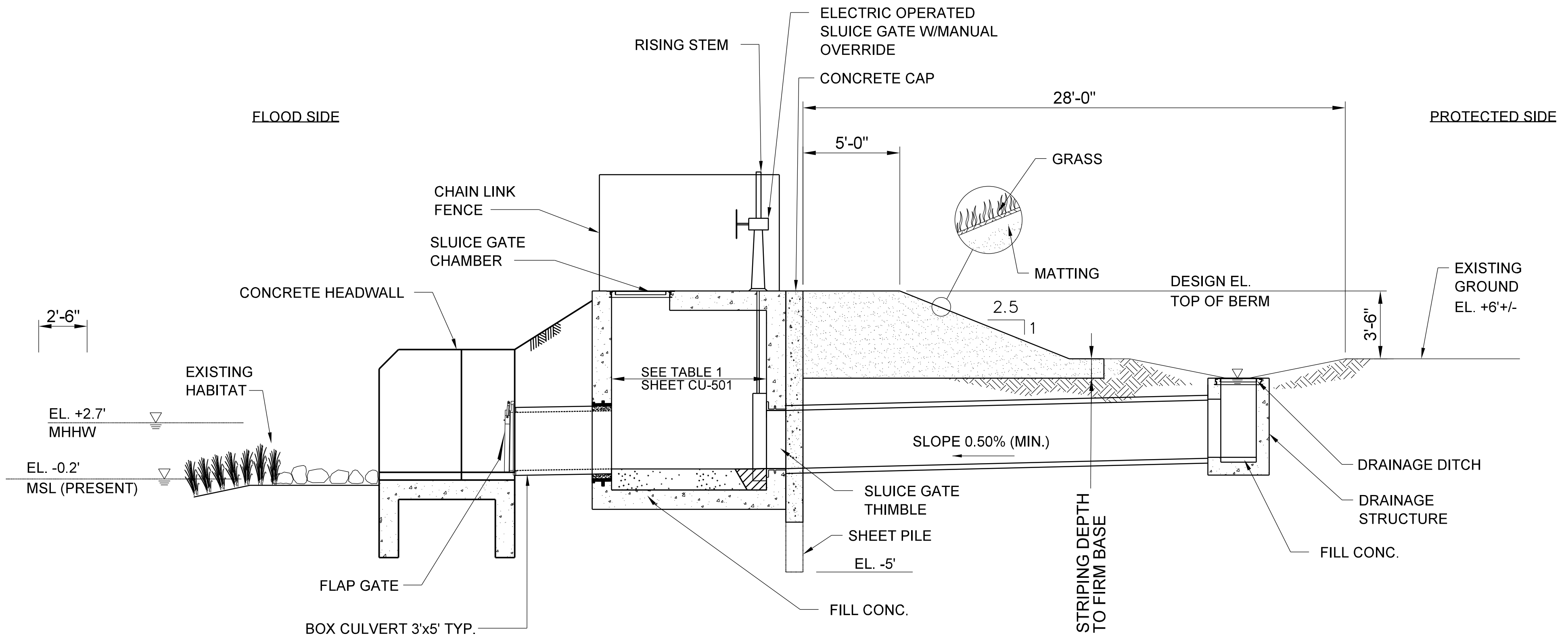
2 TYPICAL OUTFALL DETAIL THROUGH BULKHEAD
SCALE: 3/8" = 1'-0"

DRAINAGE STRUCTURE DIMENSION					
CULVERT SIZE	WALL THICKNESS (FT)	ROOF THICKNESS (FT)	FLOOR SLAB THICKNESS (FT)	CHAMBER WIDTH	CHAMBER LENGTH
5'x3'	1.5	1.0	1.5	8'-0"	8'-0"

LAST PLOTTED BY: Onsy Moawad1:35:41 PM 8/24/2018 FILE: W912DS_A2_CU-502.dgn PATH: K:\60485269 - IDC 3006 DMA - Mabbett JV\99999999 Jamaica Bay HFFRRF\910-CAD\1SHEETS\



3 TYPICAL OUTFALL DETAIL THROUGH BERM
SCALE: 1/4" = 1'-0"



4 TYPICAL OUTFALL DETAIL THROUGH HYBRID BERM
SCALE: 1/4" = 1'-0"

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0 2' 4' 8'
SCALE: 1/4" = 1'-0"

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NO.	DATE	DESCRIPTION	BY	CHKD BY	APPD BY
1	08/20/18	DRAFT FINAL GRR - APPENDIX A.1E	BU	BU	BU
2	08/20/18	DRAFT FINAL GRR - APPENDIX A.1E	BU	BU	BU
3	07/19/18	DRAFT FINAL GRR - APPENDIX A.1E	BU	BU	BU
4	07/19/18	DRAFT FINAL GRR - APPENDIX A.1E	BU	BU	BU

DATE	DESIGNED BY	OWN BY	SUBMITTED BY	PLOT SCALE	PLOT DATE	FILE NAME	SIZE	ANSI D
08/24/18	BU	MC	MC	1:1	8/24/2018	W912DS_A2_CU-502.dgn	11	ANSI D

DATE	SOLICITATION NO.	CONTRACT NO.	FILE NUMBER
08/24/18	9781-02		

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RE-EVALUATION REPORT AND ENVIRONMENTAL
IMPACT STATEMENT

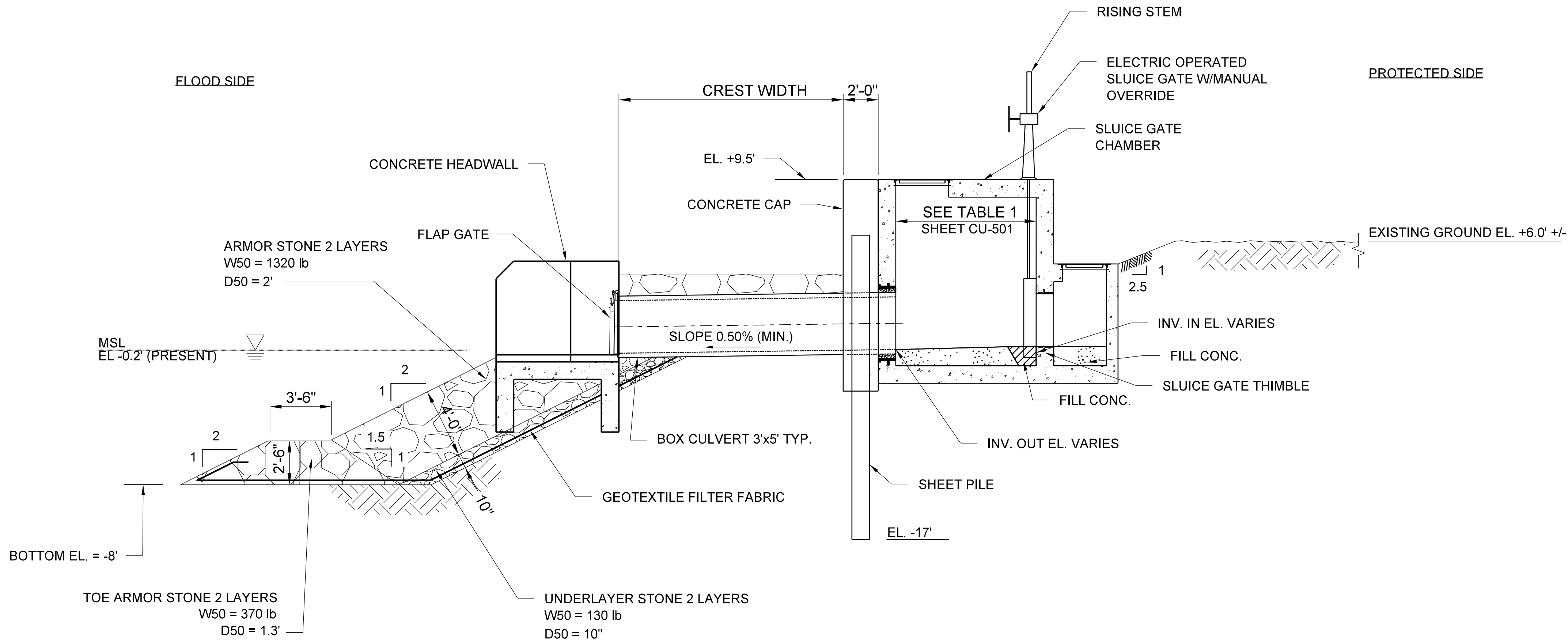
TYPICAL DRAINAGE OUTFALL
DETAILS - SHEET 2

SHEET ID
CU-502

SHEET 27 OF 28

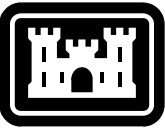
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5 TYPICAL OUTFALL DETAIL THROUGH REVETMENT WITH FOOLDWALL
SCALE: 1/4" = 1'-0"

0 2' 4' 8'
SCALE: 1/4" = 1'-0"



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DRAWN BY: MC	DATE: 08/30/18	CONTRACT NO.:
SUBMITTED BY: MC	DATE: 08/30/18	FILE NUMBER:
PLOT SCALE: 1:1	DATE: 08/30/18	FILE NAME:
SIZE: ANSI D	DATE: 08/30/18	FILE NAME:

INTEGRATED HURRICANE SANDY GENERAL
RE-EVALUATION REPORT AND ENVIRONMENTAL
IMPACT STATEMENT
TYPICAL DRAINAGE OUTFALL
DETAILS - SHEET 3

SHEET ID
CU-503

SHEET 28 OF 28