NEW YORK CITY ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL PLANNING & ANALYSIS

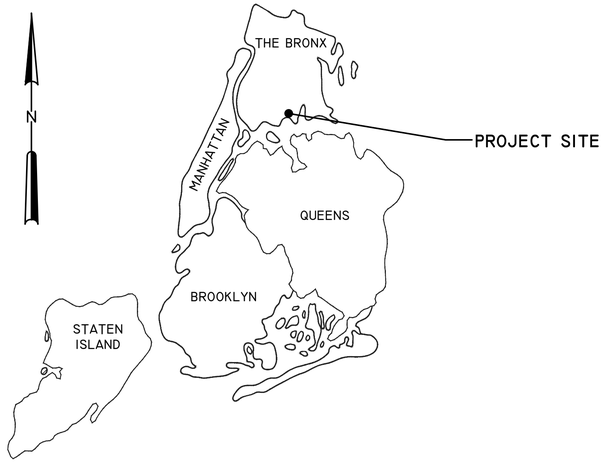
NYC Parks

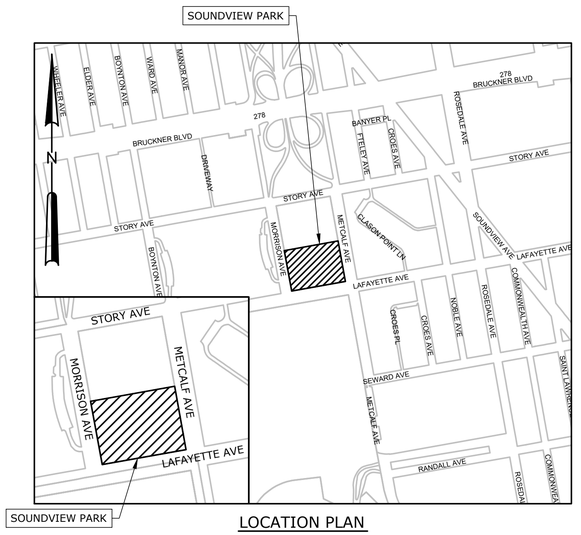
ON-SITE GREEN INFRASTRUCTURE
EAST RIVER CSO TRIBUTARY AREA
OUTFALL HP-008
DEP CAPITAL CONTRACT NO. GX-P-SOUV

X118 - SOUNDVIEW PARK
BBL 2036270150

THE BRONX, NY

BID SUBMISSION
NOVEMBER 2026





LOCATION PLAN

SHEET LIST	
Sheet Number	Sheet Title
G001	COVER SHEET
S001	TOPOGRAPHIC SURVEY KEY PLAN
S002	TOPOGRAPHIC SURVEY PLAN - 1
S003	TOPOGRAPHIC SURVEY PLAN - 2
C100	TREE PROTECTION, STAGING, AND ACCESS PLAN - 1
C101	TREE PROTECTION, STAGING, AND ACCESS PLAN - 2
C102	REMOVAL / DEMOLITION PLAN - 1
C103	REMOVAL / DEMOLITION PLAN - 2
C104	REMOVAL / DEMOLITION PLAN - 3
C200	PROPOSED GREEN INFRASTRUCTURE LAYOUT PLAN - 1
C201	PROPOSED GREEN INFRASTRUCTURE LAYOUT PLAN - 2
C202	MATERIALS PLAN - 1
C203	MATERIALS PLAN - 2
C204	MATERIALS PLAN - 3
C205	MAINTENANCE AND PROTECTION OF TRAFFIC PLAN - 1
C206	MAINTENANCE AND PROTECTION OF TRAFFIC PLAN - 2
C300	SECTIONS AND PROFILES - 1
C301	SECTIONS AND PROFILES - 2
C302	SECTIONS AND PROFILES - 3
C500	DETAILS - 1
C501	DETAILS - 2
C600	SITE DETAILS - 1
C601	SITE DETAILS - 2
C602	SITE DETAILS - 3

CONTRACTOR SHALL SCHEDULE THIS WORK IN COORDINATION WITH PARKS CAPITAL CONSTRUCTION PROJECT TO THE NORTH

John McLaughlin
Digitally signed by John McLaughlin
Date: 2026.11.02 10:08:01 -05'00'

JOHN MCLAUGHLIN
MANAGING DIRECTOR
OFFICE OF ECOSYSTEM SERVICES, GREEN INFRASTRUCTURE AND RESEARCH
BUREAU OF ENVIRONMENTAL PLANNING & ANALYSIS, NYCDEP

Lisa F. Garcia
Digitally signed by Lisa F. Garcia
Date: 2026.10.30 13:49:41 -04'00'

LISA F. GARCIA
COMMISSIONER
NYCDEP

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PLOT DATE: 6/17/2026 7:43 PM BY: RBRIGUA

X118-02SPa PLAN SHEET VIEW

X118-01SPa PLAN SHEET VIEW

MORRISON AVE. (80')

METCALF AVE. (100')

LAFAYETTE AVE. (100')

BLOCK 9999
8900

460.00'

1"=30'

NO.	DATE	ISSUED FOR	BY

BLOCK 3627

LOT 150

NYC Environmental Protection

CITY OF NEW YORK
ENVIRONMENTAL PROTECTION
Bureau of Environmental Planning and Analysis

NYC Parks

CITY OF NEW YORK
PARKS & RECREATION
Forestry, Horticulture and Natural Resources

SEAL

STATE OF NEW YORK
MICHAEL DAVID BRAUN
LICENSED PROFESSIONAL ENGINEER
101288

PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF SOUNDVIEW PARK
EAST RIVER CSO TRIBUTARY AREA
METCALF AVENUE AND MORRISON AVENUE, BETWEEN STORY AVENUE AND SEWARD AVENUE

DRAWING TITLE
TOPOGRAPHIC SURVEY KEY PLAN

DESIGNED BY	DRAWN BY	CHECKED BY
S. RANA	S. RANA	M. BRODERICK

B-SCAN	SCALE	DRAWING NO.	CONTRACT NO.
	1"=30'	S001	GX-P-SOUV
	DATE JUNE 2026		SHEET No. 2 OF 21 SHEETS

MATCH LINE –SEE DWG S-003

MORRISON AVE. (80')

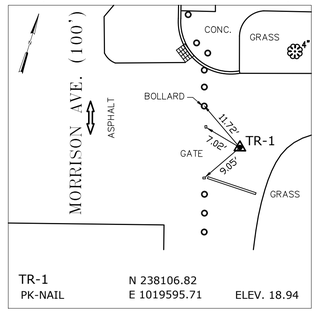
METCALF AVE. (100')

LAFAYETTE AVE. (100')

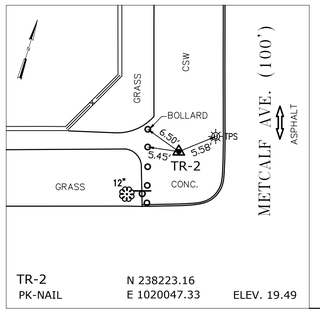
BLOCK 9999

8900

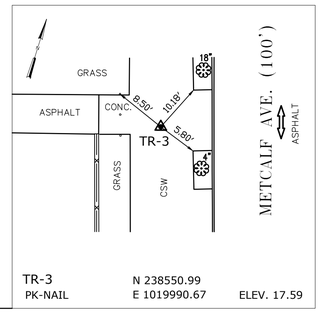
460.00'



TR-1 N 238106.82 E 1019595.71 ELEV. 18.94
PK-NAIL



TR-2 N 238223.16 E 1020047.33 ELEV. 19.49
PK-NAIL



TR-3 N 238550.99 E 1019990.67 ELEV. 17.59
PK-NAIL

TIES
N.T.S.

NYC Environmental Protection

CITY OF NEW YORK
ENVIRONMENTAL PROTECTION
Bureau of Environmental Planning and Analysis

CITY OF NEW YORK
PARKS & RECREATION
Forestry, Horticulture and Natural Resources

SEAL

STATE OF NEW YORK
MATTHEW ZIONKOWSKI
050563-1
LICENSED LAND SURVEYOR

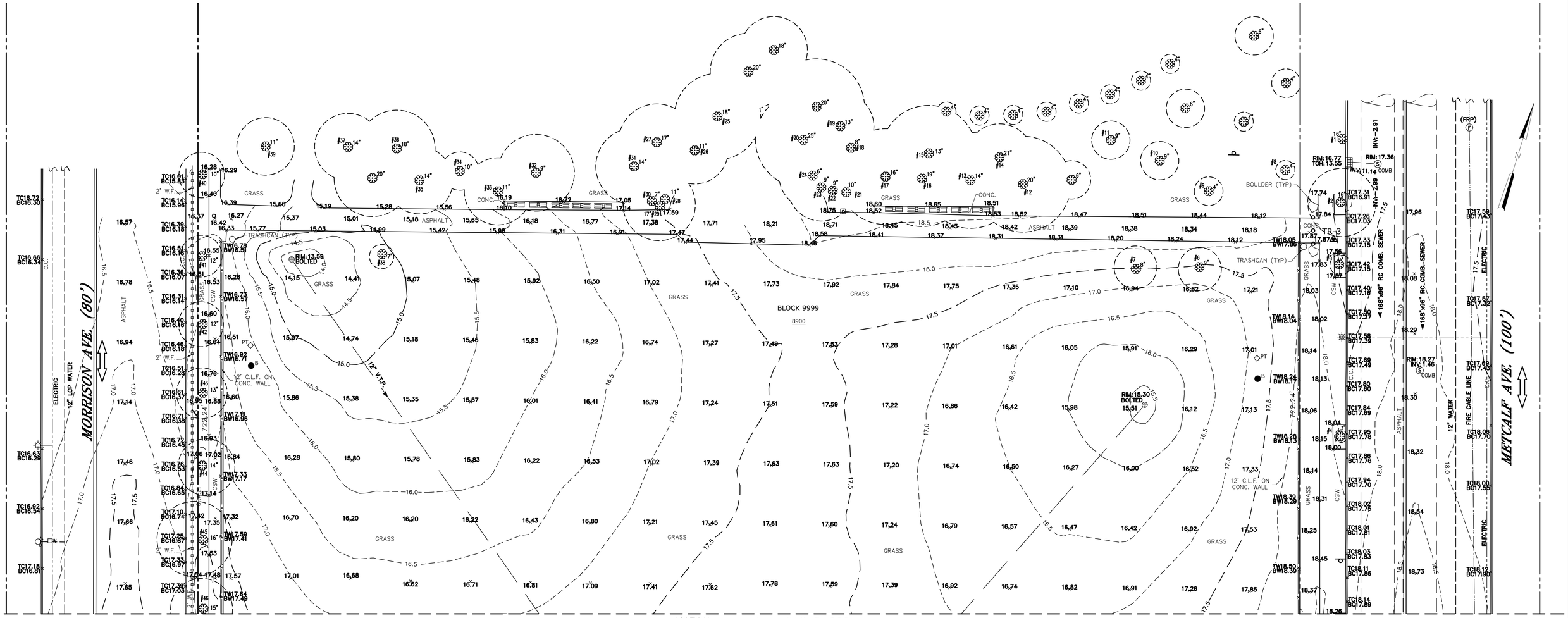
BLOCK 9999
LOT 8900

PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF SOUNDVIEW PARK
EAST RIVER CSO TRIBUTARY AREA
METCALF AVENUE AND MORRISON AVENUE, BETWEEN STORY AVENUE SEWARD AVENUE

DRAWING TITLE
TOPOGRAPHIC SURVEY PLAN - 1

DESIGNED BY	DRAWN BY	CHECKED BY
N/A	M.A.	J.J.

B-SCAN	SCALE	DRAWING NO.	CONTRACT NO.
	1"=20'	S002	GX-P-SOUNV
	DATE OCT. 2020		SHEET No. 3 OF 21 SHEETS



NYC Environmental Protection

CITY OF NEW YORK
ENVIRONMENTAL PROTECTION
Bureau of Environmental Planning and Analysis

CITY OF NEW YORK
PARKS & RECREATION
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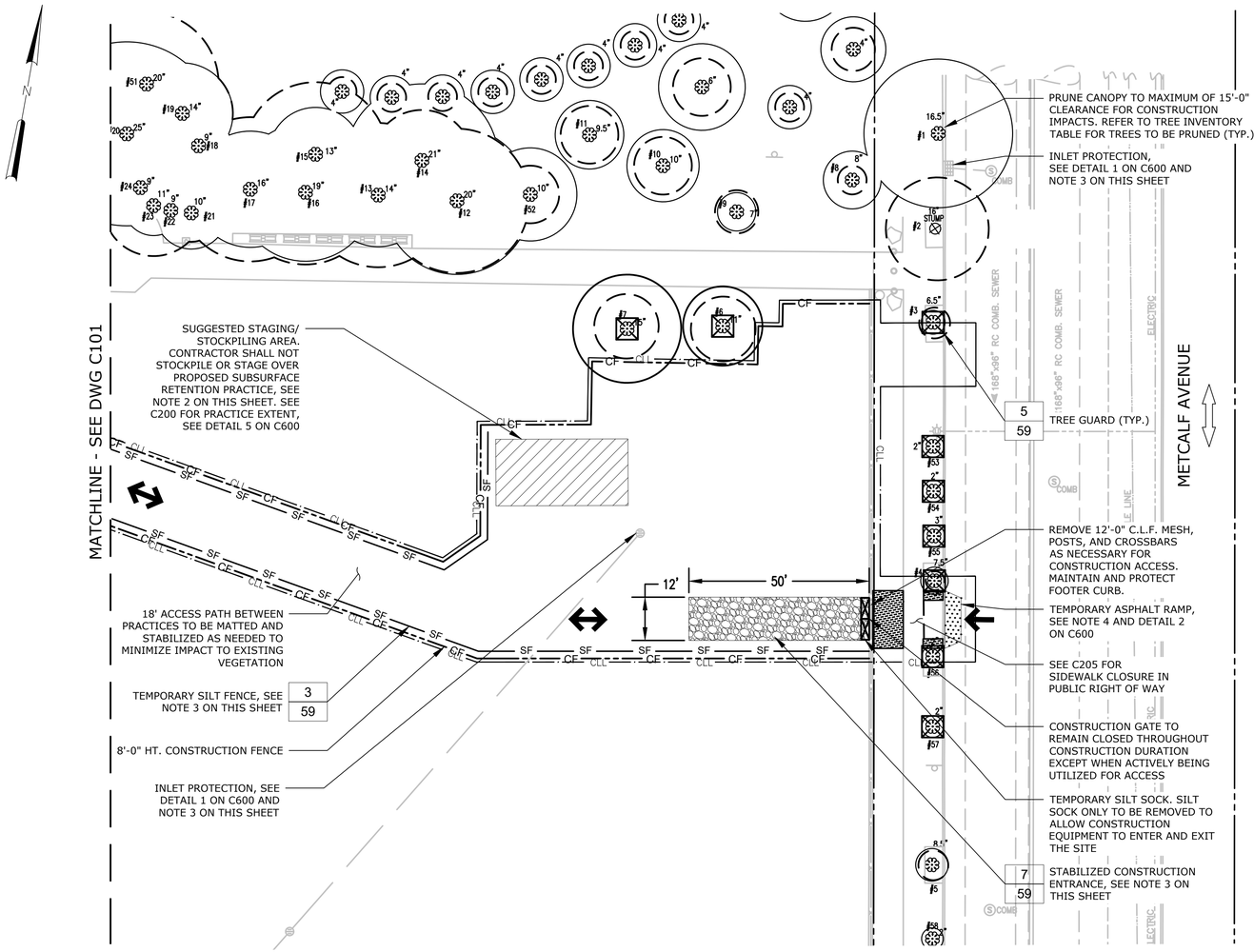
SEAL

STATE OF NEW YORK — MATTHEW ZIONKOWSKI — 050563-1 — LICENSED LAND SURVEYOR

PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF SOUNDVIEW PARK
EAST RIVER CSO TRIBUTARY AREA
METCALF AVENUE AND MORRISON AVENUE, BETWEEN STORY AVENUE SEWARD AVENUE

DRAWING TITLE
TOPOGRAPHIC SURVEY PLAN - 2

DESIGNED BY	DRAWN BY		CHECKED BY
N/A	M.A.		J.J.
B-SCAN	SCALE 1"=20'	DRAWING NO. S003	CONTRACT NO. GX-P-SOUNV
BLOCK 9999	DATE OCT. 2020		SHEET No. 4 OF 21 SHEETS
LOT 8900			



TREE #	SPECIES (common name)	DBH (inches)	CTLA CONDITION RATING	ISA CRITICAL ROOTZONE (CRZ) RADIUS (ft.)	TREE REMOVAL	STUMP REMOVAL	TRANSPLANT TREE	PREPARATORY PRUNING ANSI A-300						TREE PROTECTION								DECOMPACT				PREPARATORY FERTILIZE	TREE GROWTH REGULATOR
								Cleaning	Raising	Reducing	Restoring	Structural	Thinning	Limb Tying	Temporary Wooden Tree Guard	Temporary Wooden Tree Guard For Groves	Temporary Fence Boundary	Protect Existing Tree Roots w/ Woodchips	Protect Ex. Tree Roots w/ Plywood or Mats	Air-Tilling 3 Ft Radius	Air-Tilling 5 Ft Radius	Radial Trench	Vertical Mulch		
1	LINDEN, LITTLE LEAF	17	97%	20.6					X																		
2	STUMP	16	0%	3.0																							
3	KENTUCKY COFFEETREE	7	97%	3.3											X												
4	KENTUCKY COFFEETREE	8	97%	3.8											X												
5	KENTUCKY COFFEETREE	9	97%	4.3																							
6	LINDEN, SILVER	11	100%	11.0					X						X												
7	LINDEN, SILVER	15	100%	15.0					X						X												
8	LINDEN, LITTLE LEAF	8	69%	8.0																							
9	MAPLE, RED	7	69%	5.3																							
10	LINDEN, SILVER	10	69%	10.0																							
11	LINDEN, AMERICAN	10	100%	9.5																							
12	BIRCH, RIVER	20	100%	20.0					X																		
13	BIRCH, RIVER	14	100%	14.0					X																		
14	BIRCH, RIVER	21	100%	21.0																							
15	BIRCH, RIVER	13	100%	13.0																							
16	BIRCH, RIVER	19	100%	19.0					X																		
17	BIRCH, RIVER	16	100%	16.0					X																		
18	BIRCH, RIVER	9	100%	9.0																							
19	BIRCH, RIVER	14	100%	14.0																							
20	BIRCH, RIVER	25	100%	25.0																							
21	BIRCH, RIVER	10	100%	10.0					X																		
22	MULBERRY, WHITE	9	100%	6.8					X																		
23	MULBERRY, WHITE	11	100%	8.3					X																		
24	MULBERRY, WHITE	9	100%	6.8					X																		
51	BIRCH, RIVER	20	91%	20.0																							
52	LINDEN, AMERICAN	10	88%	12.5					X																		
53	OAK, CHINKAPIN	2	97%	3.0											X												
54	OAK, CHINKAPIN	2	97%	3.0											X												
55	LONDON PLANETREE	3	97%	3.0											X												
56	LONDON PLANETREE	2	88%	3.0											X												
57	OAK, CHINKAPIN	2	97%	3.0											X												
58	OAK, CHINKAPIN	2	94%	3.0																							

NOTES

1. THE TREE PROTECTION ZONE (T.P.Z.) SHALL CONSIST OF THE CRITICAL ROOT ZONE AND/OR THE CANOPY DRIPLINE; WHICHEVER EXTENT IS GREATER.
2. NO HEAVY EQUIPMENT, MACHINERY, OR STOCKPILING OF MATERIALS IS PERMITTED WITHIN THE T.P.Z. OF ANY EXISTING TREES THROUGHOUT THE COURSE OF THE CONTRACT.
3. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL REMAIN UNTIL ALL EXCAVATED AREAS HAVE BEEN STABILIZED.
4. IF EXISTING CURB AT THE TEMPORARY ASPHALT RAMP IS DAMAGED, EXISTING ROADWAY PAVEMENT ENVELOPE (TOP COURSE AND BASE COURSE) SHALL BE REMOVED, SAWCUT, AND REPLACED A MINIMUM OF 1'-6" WIDTH WITH NEW PAVEMENT TO MATCH EXISTING PAVEMENT ENVELOPE.
5. SEE GENERAL NOTES FOR TREE PROTECTION NOTES.
6. TREE PROTECTION PLAN BASED ON UPDATED TREE INVENTORY PERFORMED BY SITEWORKS IN JULY 2025.
7. TREE PROTECTION SHALL BE CONFIRMED BY NYC PARKS DURING PRE-CONSTRUCTION WALKTHROUGH. CONTRACTOR SHALL NOT INSTALL TREE PROTECTION MEASURES UNTIL APPROVED BY NYC PARKS.

LEGEND

- TREE GUARD
- TREE GUARD FOR GROVES
- TREE DRIPLINE
- TREE CRITICAL ROOT ZONE
- CONSTRUCTION ACCESS/ENTRANCE
- STAGING AREA
- CF — CF — 8'-0" HEIGHT CONSTRUCTION FENCE
- SF — SF — TEMPORARY SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE
- SURFACE PROTECTION, SEE DETAIL 6 ON C600

1"=20' (20 10 0 20')

NO.	DATE	ISSUED FOR	BY

BLOCK 3627
LOT 150

NYC Environmental Protection

CITY OF NEW YORK
ENVIRONMENTAL PROTECTION
Bureau of Environmental Planning and Analysis

NYC Parks

CITY OF NEW YORK
PARKS & RECREATION
Forestry, Horticulture and Natural Resources

PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF SOUNDVIEW PARK
EAST RIVER CSO TRIBUTARY AREA
METCALF AVENUE AND MORRISON AVENUE, BETWEEN STORY AVENUE AND SEWARD AVENUE

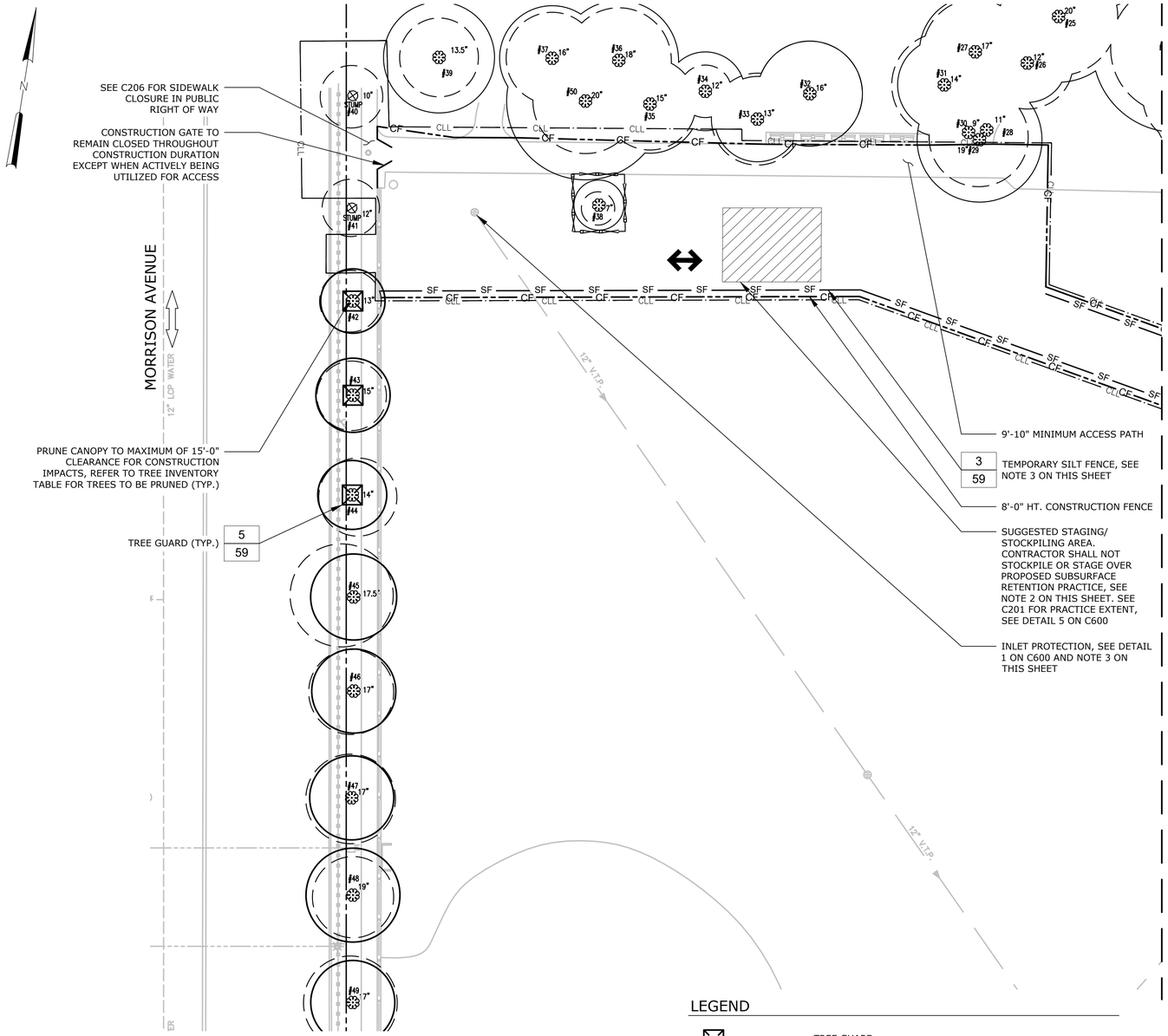
DRAWING TITLE
TREE PROTECTION, STAGING, AND ACCESS PLAN - 1

DESIGNED BY	DRAWN BY	CHECKED BY
M. HOOPES	J. GUERRERO	B. BARNES

B-SCAN	SCALE	DRAWING NO.	CONTRACT NO.
	1" = 20'	C100	GX-P-SOUV
	DATE JUNE 2026		SHEET No. 5 OF 21 SHEETS

SEAL: STATE OF NEW YORK · MICHAEL DAVID BRAUN · LICENSED PROFESSIONAL ENGINEER · 101288

HDR



TREE #	SPECIES (common name)	DBH (inches)	CTLA CONDITION RATING	ISA CRITICAL ROOTZONE (CRZ) RADIUS (ft.)	TREE REMOVAL	STUMP REMOVAL	TRANSPLANT TREE	PREPARATORY PRUNING ANSI A-300						TREE PROTECTION								DECOMPACT				PREPARATORY FERTILIZE	TREE GROWTH REGULATOR
								Cleaning	Raising	Reducing	Restoring	Structural	Thinning	Limb Tying	Temporary Wooden Tree Guard	Temporary Wooden Tree Guard For Groves	Temporary Fence Boundary	Protect Existing Tree Roots w/ Woodchips	Protect Ex. Tree Roots w/ Plywood or Mats	Air-Tilling 3 Ft Radius	Air-Tilling 5 Ft Radius	Radial Trench	Vertical Mulch		
25	BIRCH, RIVER	20	100%	20.0																							
26	BIRCH, RIVER	12	100%	12.0					X																		
27	BIRCH, RIVER	17	100%	17.0																							
28	BIRCH, RIVER *	11																									
29	MULBERRY, WHITE	19	100%	19.0					X																		
30	BIRCH, RIVER	9	100%	6.8					X																		
31	BIRCH, RIVER	14	100%	14.0																							
32	BIRCH, RIVER	16	100%	16.0																							
33	BIRCH, RIVER	13	100%	13.0					X																		
34	BIRCH, RIVER	12	100%	12.0																							
35	BIRCH, RIVER	15	100%	15.0					X																		
36	BIRCH, RIVER	18	100%	18.0																							
37	BIRCH, RIVER	16	100%	16.0																							
38	SWEETGUM	7	100%	7.0												X											
39	LINDEN, LITTLE LEAF	14	100%	16.9																							
40	STUMP	10	0%	3.0																							
41	STUMP	12	0%	3.0																							
42	GINKGO	13	97%	9.8					X						X												
43	GINKGO	15	97%	11.3					X						X												
44	GINKGO	14	97%	10.5					X						X												
45	GINKGO	18	97%	13.1					X																		
46	GINKGO	17	97%	12.8					X																		
47	GINKGO	17	97%	12.8					X																		
48	GINKGO	19	97%	14.3					X																		
49	GINKGO	17	97%	12.8					X																		
50	BIRCH, RIVER	20	97%	20.0					X																		

*TREE NOT PRESENT DURING INVENTORY PERFORMED IN JULY 2025.

NOTES

1. THE TREE PROTECTION ZONE (T.P.Z.) SHALL CONSIST OF THE CRITICAL ROOT ZONE AND/OR THE CANOPY DRIPLINE; WHICHEVER EXTENT IS GREATER.
2. NO HEAVY EQUIPMENT, MACHINERY, OR STOCKPILING OF MATERIALS IS PERMITTED WITHIN THE T.P.Z. OF ANY EXISTING TREES THROUGHOUT THE COURSE OF THE CONTRACT.
3. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL REMAIN UNTIL ALL EXCAVATED AREAS HAVE BEEN STABILIZED.
4. CONTRACTOR SHALL INSTALL INLET PROTECTION AT DOWNSTREAM CATCH BASIN ON MORRISON AVENUE AT THE SOUTHEAST CORNER OF THE INTERSECTION OF STORY AVENUE, SEE DETAIL 1 ON C600 AND NOTE 3.
5. SEE GENERAL NOTES FOR TREE PROTECTION NOTES.
6. TREE PROTECTION PLAN BASED ON UPDATED TREE INVENTORY PERFORMED BY SITEWORKS IN JULY 2025.
7. TREE PROTECTION SHALL BE CONFIRMED BY NYC PARKS DURING PRE-CONSTRUCTION WALKTHROUGH. CONTRACTOR SHALL NOT INSTALL TREE PROTECTION MEASURES UNTIL APPROVED BY NYC PARKS.

LEGEND

- TREE GUARD
- TREE GUARDS FOR GROVES
- TREE DRIPLINE
- TREE CRITICAL ROOT ZONE
- CONSTRUCTION ACCESS/ENTRANCE
- STAGING AREA
- CF — CF — 8'-0" HEIGHT CONSTRUCTION FENCE
- SF — SF — TEMPORARY SILT FENCE

20 10 0 20'
1"=20'

NO.	DATE	ISSUED FOR	BY

NYC Environmental Protection

CITY OF NEW YORK
ENVIRONMENTAL PROTECTION
Bureau of Environmental Planning and Analysis

NYC Parks

CITY OF NEW YORK
PARKS & RECREATION
Forestry, Horticulture and Natural Resources

SEAL: STATE OF NEW YORK · MICHAEL DAVID BRAUN · 101288 · LICENSED PROFESSIONAL ENGINEER · HDR

PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF SOUNDVIEW PARK
EAST RIVER CSO TRIBUTARY AREA
METCALF AVENUE AND MORRISON AVENUE, BETWEEN STORY AVENUE AND SEWARD AVENUE

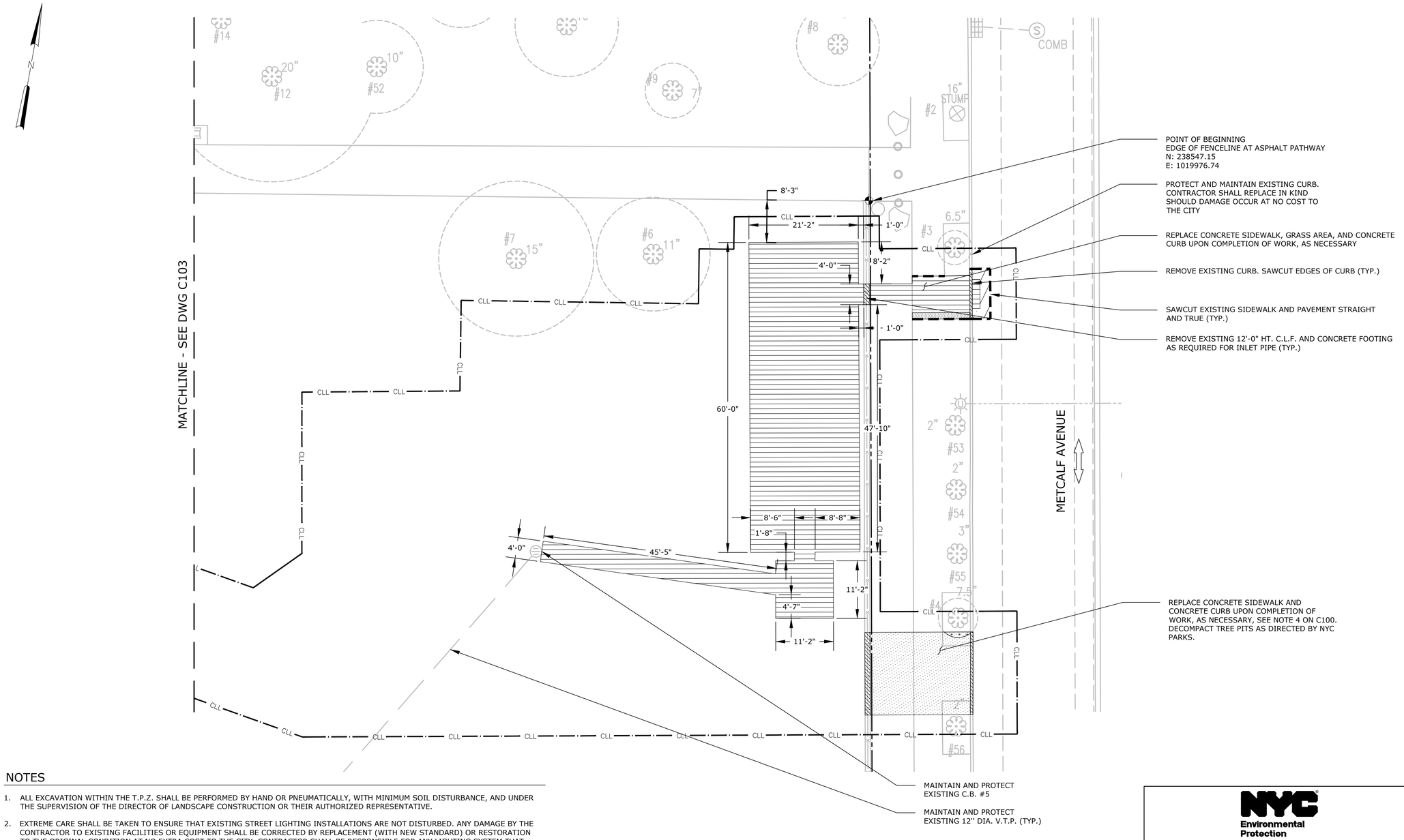
DRAWING TITLE
TREE PROTECTION, STAGING, AND ACCESS PLAN - 2

DESIGNED BY	DRAWN BY	CHECKED BY
M. HOOPES	J. GUERRERO	B. BARNES

B-SCAN | SCALE 1" = 20' | DRAWING NO. C101 | CONTRACT NO. GX-P-SOUV

BLOCK 3627 | LOT 150 | DATE JUNE 2026

SHEET No. 6 OF 21 SHEETS



NOTES

1. ALL EXCAVATION WITHIN THE T.P.Z. SHALL BE PERFORMED BY HAND OR PNEUMATICALLY, WITH MINIMUM SOIL DISTURBANCE, AND UNDER THE SUPERVISION OF THE DIRECTOR OF LANDSCAPE CONSTRUCTION OR THEIR AUTHORIZED REPRESENTATIVE.
2. EXTREME CARE SHALL BE TAKEN TO ENSURE THAT EXISTING STREET LIGHTING INSTALLATIONS ARE NOT DISTURBED. ANY DAMAGE BY THE CONTRACTOR TO EXISTING FACILITIES OR EQUIPMENT SHALL BE CORRECTED BY REPLACEMENT (WITH NEW STANDARD) OR RESTORATION TO THE ORIGINAL CONDITION AT NO EXTRA COST TO THE CITY. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY LIGHTING SYSTEM THAT LOSES POWER (INSIDE AND/OR OUTSIDE OF CONTRACT'S LIMIT) DUE TO PROJECT'S CONSTRUCTION; ANY LIGHTING SYSTEM LOST SHALL BE RESTORED AND PUT BACK ON SERVICE TO THE SATISFACTION OF NYC DOT STREET LIGHTING.

LEGEND

- EXCAVATION - FULL DEPTH
- MILL EXISTING PAVEMENT - 1.5'' ASPHALT TOP COURSE REMOVAL
- EXCAVATION - CURB AND/OR FENCE REMOVAL
- EXCAVATION - FULL DEPTH ASPHALT REMOVAL
- CONCRETE SIDEWALK, CURB, GRASS AREA REMOVAL AS NECESSARY
- SAWCUT PAVEMENT AND CONCRETE
- POINT OF BEGINNING

1"=10' (10 5 0 10')

NO.	DATE	ISSUED FOR	BY

NYC Environmental Protection

CITY OF NEW YORK
ENVIRONMENTAL PROTECTION
Bureau of Environmental Planning and Analysis

NYC Parks

CITY OF NEW YORK
PARKS & RECREATION
Forestry, Horticulture and Natural Resources

SEAL: STATE OF NEW YORK · MICHAEL DAVID BRAUN · 101288 · LICENSED PROFESSIONAL ENGINEER · HDR

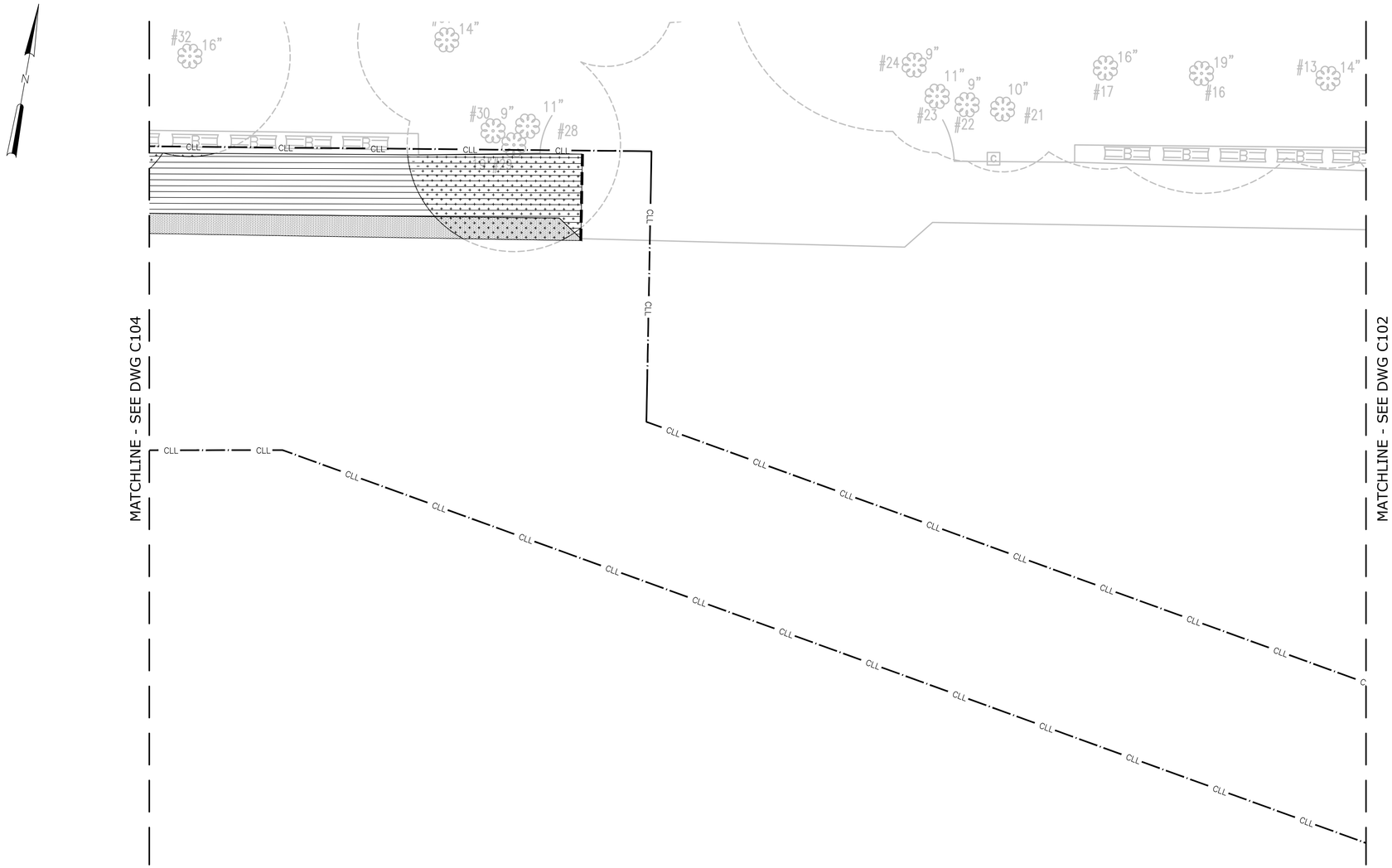
PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF SOUNDVIEW PARK
EAST RIVER CSO TRIBUTARY AREA
METCALF AVENUE AND MORRISON AVENUE, BETWEEN STORY AVENUE AND SEWARD AVENUE

DRAWING TITLE
REMOVAL / DEMOLITION PLAN - 1

DESIGNED BY	DRAWN BY	CHECKED BY
G. GIDICSIN	G. GIDICSIN	B. BARNES

B-SCAN | SCALE 1" = 10' | DRAWING NO. C102 | CONTRACT NO. GX-P-SOUV

BLOCK 3627
LOT 150
DATE JUNE 2026
SHEET No. 7 OF 21 SHEETS



NOTES

1. ALL EXCAVATION WITHIN THE T.P.Z. SHALL BE PERFORMED BY HAND OR PNEUMATICALLY, WITH MINIMUM SOIL DISTURBANCE, AND UNDER THE SUPERVISION OF THE DIRECTOR OF LANDSCAPE CONSTRUCTION OR THEIR AUTHORIZED REPRESENTATIVE.

LEGEND

- EXCAVATION - FULL DEPTH
- HAND EXCAVATION (VERIFY LIMITS IN FIELD BASED ON CONFIRMED T.P.Z.)
- CONCRETE SIDEWALK, CURB, GRASS AREA REMOVAL
- SAWCUT PAVEMENT

10 5 0 10'
1"=10'

NO.	DATE	ISSUED FOR	BY

NYC Environmental Protection

CITY OF NEW YORK
ENVIRONMENTAL PROTECTION
Bureau of Environmental Planning and Analysis

NYC Parks

CITY OF NEW YORK
PARKS & RECREATION
Forestry, Horticulture and Natural Resources

SEAL
STATE OF NEW YORK · MICHAEL DAVID BRAUN · 101288 · LICENSED PROFESSIONAL ENGINEER

HDR

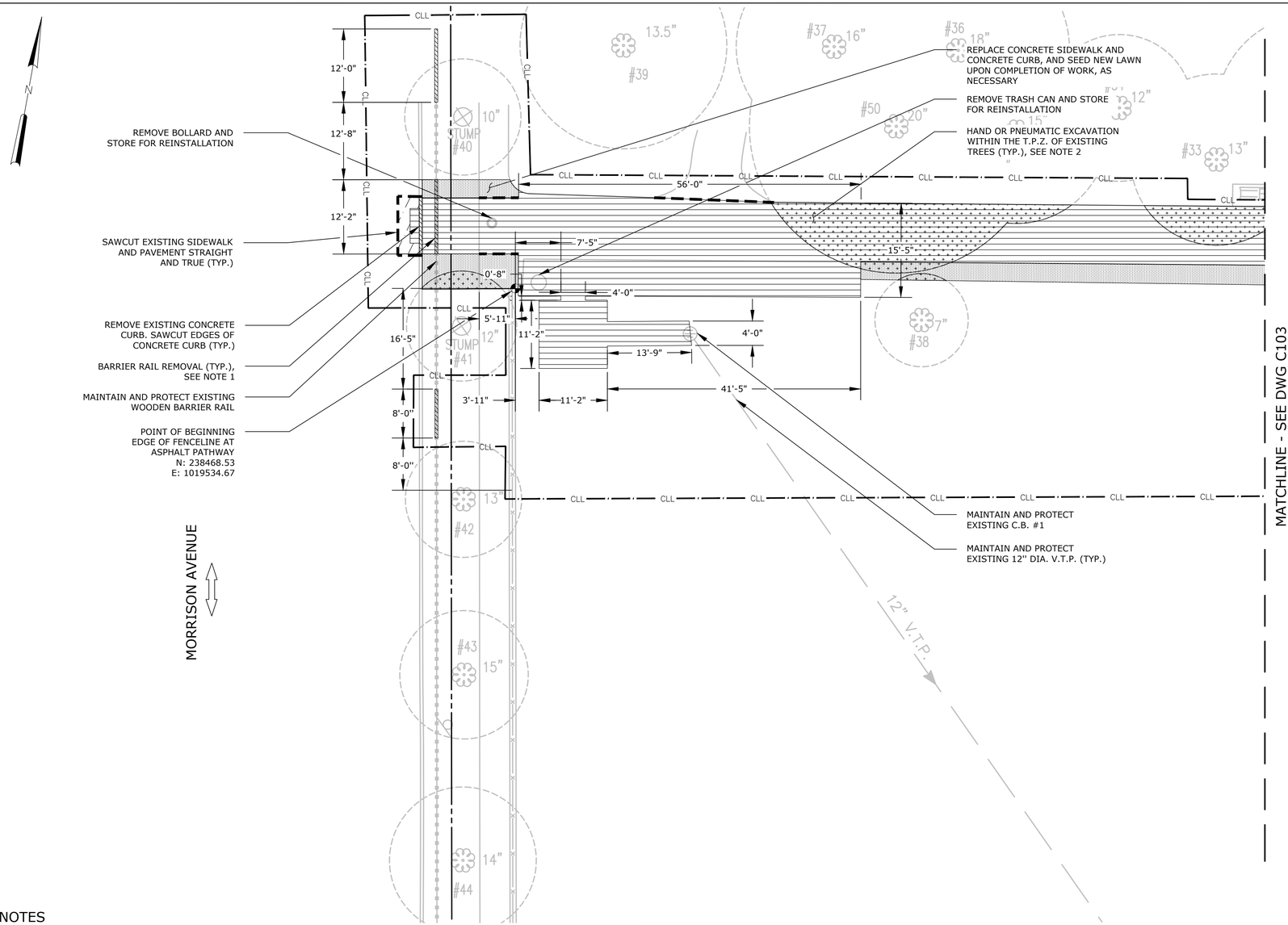
PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF SOUNDVIEW PARK
EAST RIVER CSO TRIBUTARY AREA
METCALF AVENUE AND MORRISON AVENUE, BETWEEN STORY AVENUE AND SEWARD AVENUE

DRAWING TITLE
REMOVAL / DEMOLITION PLAN - 2

DESIGNED BY	DRAWN BY	CHECKED BY
G. GIDICSIN	G. GIDICSIN	B. BARNES

B-SCAN	SCALE	DRAWING NO.	CONTRACT NO.
	1" = 10'	C103	GX-P-SOUV

BLOCK 3627
LOT 150
DATE JUNE 2026
SHEET No. 8 OF 21 SHEETS



NOTES

1. REMOVE, STORE AND MAINTAIN ALL BARRIER RAIL COMPONENTS. REMOVE THE MINIMUM EXTENT OF FENCING AS NECESSARY TO ALLOW ACCESS. CONTRACTOR SHALL STORE ALL MATERIAL OFF-SITE.
2. ALL EXCAVATION WITHIN THE T.P.Z. SHALL BE PERFORMED BY HAND OR PNEUMATICALLY, WITH MINIMUM SOIL DISTURBANCE, AND UNDER THE SUPERVISION OF THE DIRECTOR OF LANDSCAPE CONSTRUCTION OR THEIR AUTHORIZED REPRESENTATIVE.
3. EXTREME CARE SHALL BE TAKEN TO ENSURE THAT EXISTING STREET LIGHTING INSTALLATIONS ARE NOT DISTURBED. ANY DAMAGE BY THE CONTRACTOR TO EXISTING FACILITIES OR EQUIPMENT SHALL BE CORRECTED BY REPLACEMENT (WITH NEW STANDARD) OR RESTORATION TO THE ORIGINAL CONDITION AT NO EXTRA COST TO THE CITY. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY LIGHTING SYSTEM THAT LOSES POWER (INSIDE AND/OR OUTSIDE OF CONTRACT'S LIMIT) DUE TO PROJECT'S CONSTRUCTION; ANY LIGHTING SYSTEM LOST SHALL BE RESTORED AND PUT BACK ON SERVICE TO THE SATISFACTION OF NYC DOT STREET LIGHTING.

LEGEND

- EXCAVATION - FULL DEPTH
- EXCAVATION - CURB AND/OR FENCE REMOVAL
- EXCAVATION - FULL DEPTH ASPHALT REMOVAL
- HAND EXCAVATION (VERIFY LIMITS IN FIELD BASED ON CONFIRMED T.P.Z.)
- CONCRETE SIDEWALK, CURB, GRASS AREA REMOVAL
- SAWCUT PAVEMENT AND CONCRETE
- POINT OF BEGINNING

10 5 0 10'
1"=10'

NO.	DATE	ISSUED FOR	BY

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HDR

BLOCK 3627
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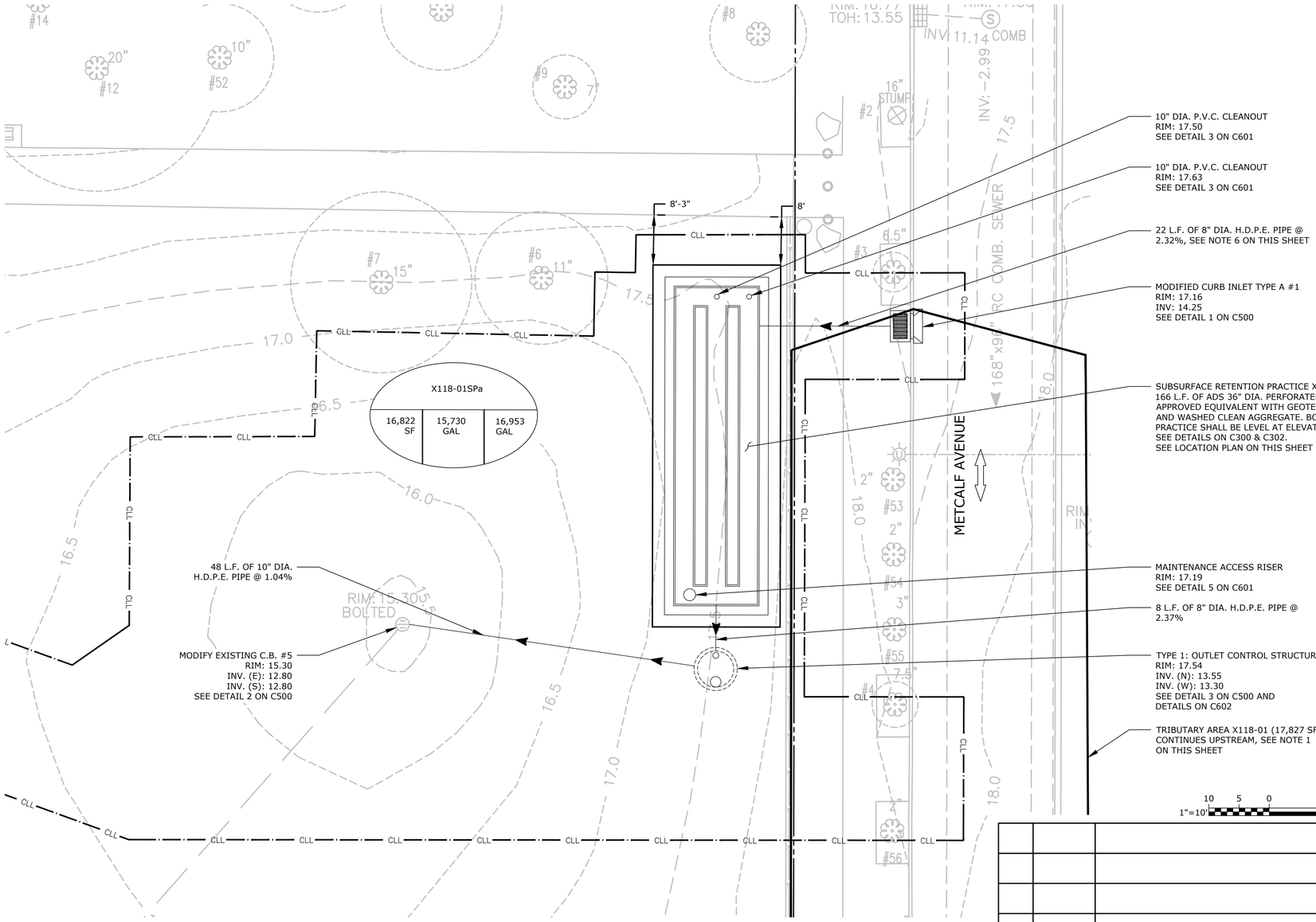
PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF SOUNDVIEW PARK
EAST RIVER CSO TRIBUTARY AREA
METCALF AVENUE AND MORRISON AVENUE, BETWEEN STORY AVENUE AND SEWARD AVENUE

DRAWING TITLE
REMOVAL / DEMOLITION PLAN - 3

DESIGNED BY	DRAWN BY	CHECKED BY
G. GIDICSIN	G. GIDICSIN	B. BARNES

B-SCAN	SCALE	DRAWING NO.	CONTRACT NO.
	1" = 10'	C104	GX-P-SOUV
	DATE JUNE 2026		SHEET No. 9 OF 21 SHEETS

GI ID	GI Asset Data					Stormwater Storage Calculations				Total Stormwater Managed (Infiltration + Storage)				
							Stone Subbase							
	Managed Impervious Tributary Area	Volume 1.5 in. Rainfall on Impervious Area	GI Footprint Surface Area	GI Perimeter	Permeability Coefficient	Subsurface 36 in. Dia. Perforated Stormwater Pipes (7.07 CF/LF)	Stone Depth	Stone Voids	Stormwater Captured by Stone Layer*	Estimated Total Infiltration Volume	Estimated Total Storage Volume	% Impervious Surface Managed	Calculated Volume of Rainfall Captured	Calculated Volume of Rainfall Captured
	sf	cf	sf	ft	in/hr	cf	ft	%	cf	cf	cf	%	cf	gal
X118-01SPa	16822	2102.8	961	146	0.50	1176	4.50	40	1090.3	539.9	2266.3	108%	2806.3	20991.1



NOTES

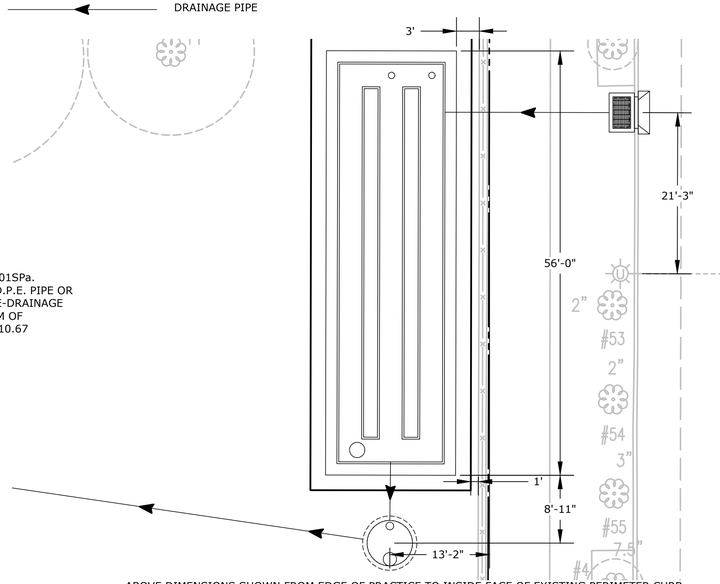
1. GI PRACTICE X118-01SPa MANAGES OFF-SITE TRIBUTARY DRAINAGE AREA X118-01.
2. SEE C300 FOR PROFILE OF GREEN INFRASTRUCTURE PRACTICE.
3. CONTRACTOR TO MATCH EXISTING FINISHED GRADE OVER ENTIRE PROJECT AREA UNLESS NOTICEABLE PONDING AREAS ARE ENCOUNTERED.
4. IF PONDING AREAS ARE ENCOUNTERED, CONTRACTOR TO ADJUST GRADING MINIMALLY TO PROVIDE POSITIVE DRAINAGE WHILE MAINTAINING EXISTING ELEVATIONS OF ALL FIXED STRUCTURES AND ELEVATIONS AT CONSTRUCTION FENCELINE.
5. EXISTING CATCH BASINS #3 AND #4 ARE LOCATED DOWNSTREAM OF EXISTING CATCH BASIN #5. EXISTING CATCH BASINS #3 AND #4 NOT SHOWN FOR CLARITY.
6. PIPES WITH COVER OF LESS THAN 4'-0", FROM THE FINAL GRADE TO THE OUTER TOP OF THE PIPE, REQUIRE CONCRETE ENCASEMENT, SEE DETAIL 3 ON C600.

LEGEND

- GREEN INFRASTRUCTURE PRACTICE DRAINAGE AREA
- OUTLET CONTROL STRUCTURE
- MODIFIED CURB INLET
- CLEANOUT
- MAINTENANCE ACCESS RISER
- DRAINAGE PIPE

GREEN INFRASTRUCTURE TYPE

TRIBUTARY AREA	CAPACITY OF 1.5" EVENT CAPTURE	TOTAL CAPACITY OF GI



ABOVE DIMENSIONS SHOWN FROM EDGE OF PRACTICE TO INSIDE FACE OF EXISTING PERIMETER CURB

GREEN INFRASTRUCTURE LOCATION PLAN

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NO.	DATE	ISSUED FOR	BY

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HDR

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LOT 150

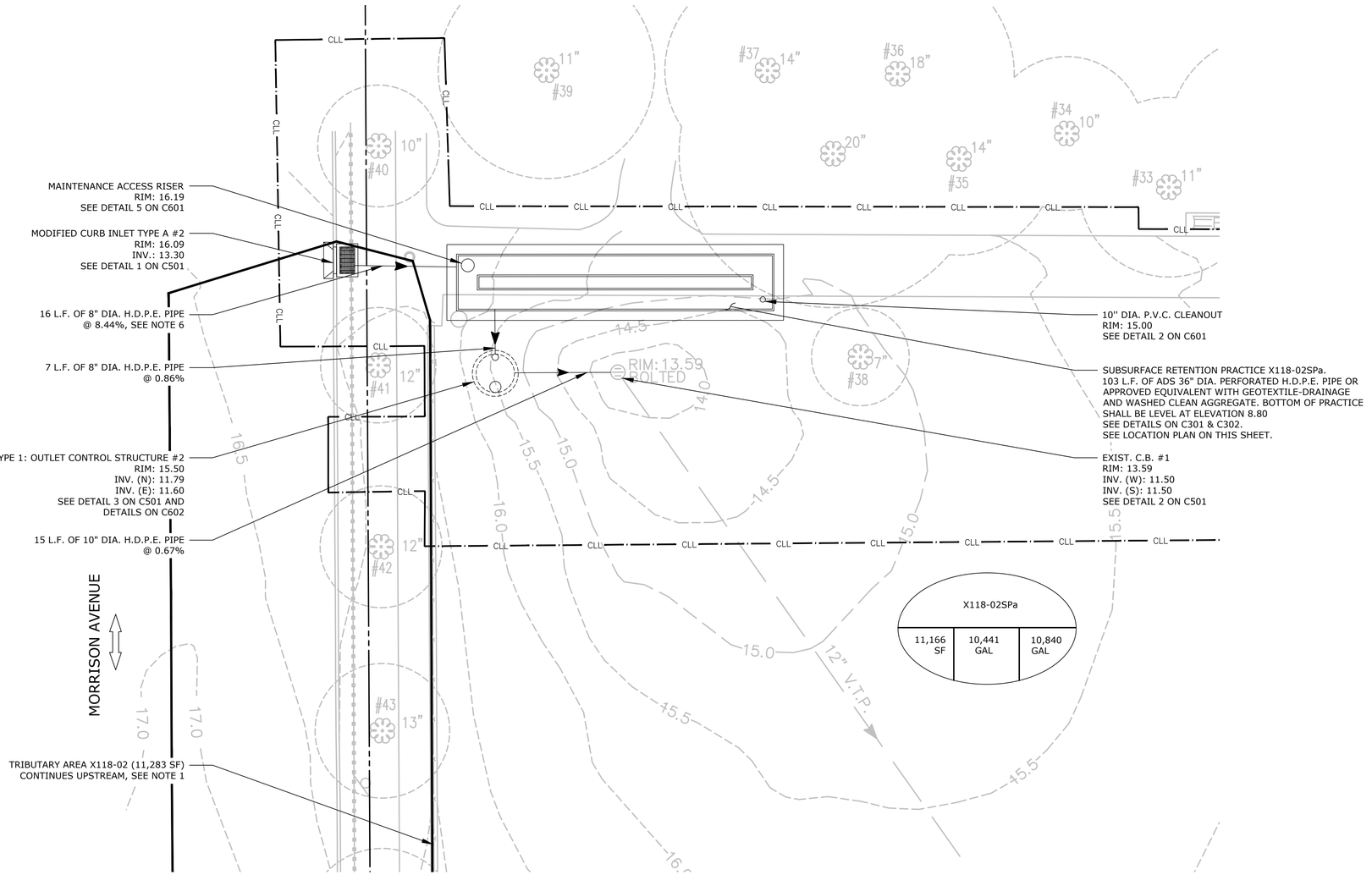
PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF SOUNDVIEW PARK
EAST RIVER CSO TRIBUTARY AREA
METCALF AVENUE AND MORRISON AVENUE, BETWEEN STORY AVENUE AND SEWARD AVENUE

DRAWING TITLE
PROPOSED GREEN INFRASTRUCTURE LAYOUT PLAN - 1

DESIGNED BY	DRAWN BY	CHECKED BY
G. GIDICSIN	G. GIDICSIN	B. BARNES

B-SCAN	SCALE	DRAWING NO.	CONTRACT NO.
	1" = 10'	C200	GX-P-SOUV
	DATE JUNE 2026		SHEET No. 10 OF 21 SHEETS

GI ID	GI Asset Data					Stormwater Storage Calculations				Total Stormwater Managed (Infiltration + Storage)				
	Managed Impervious Tributary Area	Volume 1.5 in. Rainfall on Impervious Area	GI Footprint Surface Area	GI Perimeter	Permeability Coefficient	Subsurface 36 in. Dia. Perforated Stormwater Pipes (7.07 CF/LF)	Stone Subbase			Estimated Total Infiltration Volume	Estimated Total Storage Volume	% Impervious Surface Managed	Calculated Volume of Rainfall Captured	Calculated Volume of Rainfall Captured
							Stone Depth	Stone Voids	Stormwater Captured by Stone Layer*					
	sf	cf	sf	ft	in/hr	cf	ft	%	cf	cf	cf	%	cf	gal
X118-02SPa	11166	1395.8	621	129	0.50	725.9	4.50	40	723.2	400.1	1449.1	104%	1849.2	13831.8



NOTES

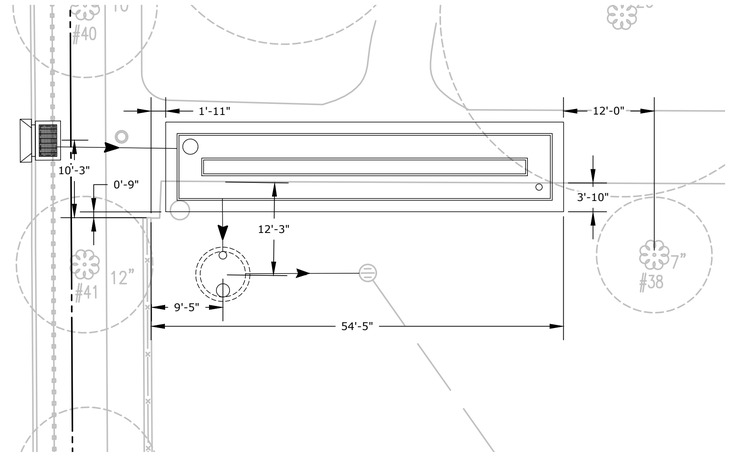
1. GI PRACTICE X118-02SPa MANAGES OFF-SITE TRIBUTARY DRAINAGE AREA X118-02.
2. SEE C301 FOR PROFILE OF GREEN INFRASTRUCTURE PRACTICE.
3. CONTRACTOR TO MATCH EXISTING FINISHED GRADE OVER ENTIRE PROJECT AREA UNLESS NOTICEABLE PONDING AREAS ARE ENCOUNTERED.
4. IF PONDING AREAS ARE ENCOUNTERED, CONTRACTOR TO ADJUST GRADING MINIMALLY TO PROVIDE POSITIVE DRAINAGE WHILE MAINTAINING EXISTING ELEVATIONS OF ALL FIXED STRUCTURES AND ELEVATIONS AT CONSTRUCTION FENCELINE.
5. EXISTING CATCH BASINS #3 AND #4 ARE LOCATED DOWNSTREAM OF EXISTING CATCH BASIN #5. EXISTING CATCH BASINS #3 AND #4 NOT SHOWN FOR CLARITY.
6. PIPES WITH COVER OF LESS THAN 4'-0", FROM THE FINAL GRADE TO THE OUTER TOP OF THE PIPE, REQUIRE CONCRETE ENCASEMENT, SEE DETAIL 3 ON C600.

LEGEND

- GREEN INFRASTRUCTURE PRACTICE DRAINAGE AREA
- OUTLET CONTROL STRUCTURE
- MODIFIED CURB INLET
- CLEANOUT
- MAINTENANCE ACCESS RISER
- DRAINAGE PIPE

GREEN INFRASTRUCTURE TYPE

TRIBUTARY AREA	CAPACITY OF 1.5" EVENT CAPTURE	TOTAL CAPACITY OF GI



ABOVE DIMENSIONS SHOWN FROM EDGE OF PRACTICE TO INSIDE FACE OF EXISTING PERIMETER CURB

GREEN INFRASTRUCTURE LOCATION PLAN

1"=10' (10 5 0 10')

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NO.	DATE	ISSUED FOR	BY

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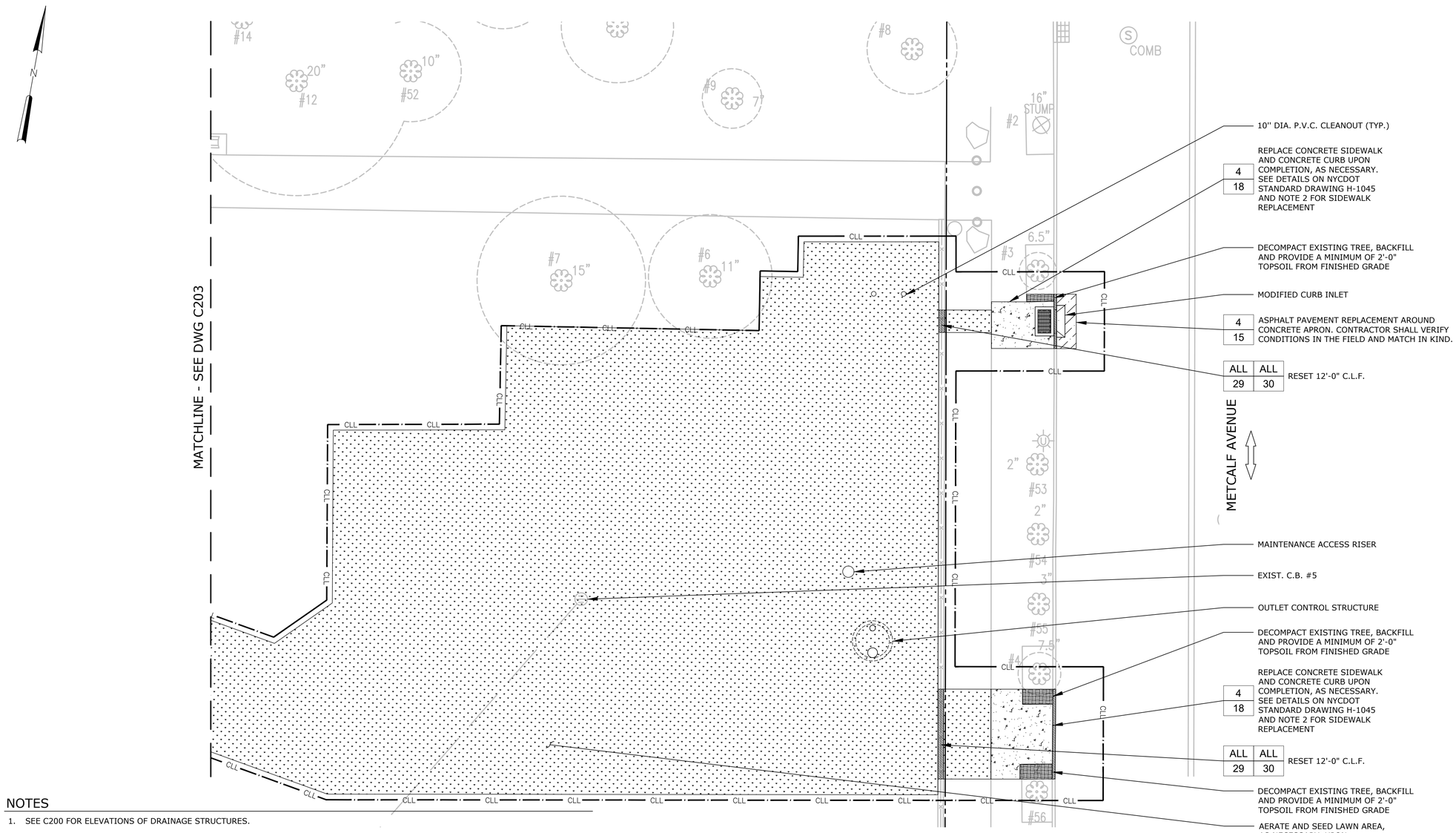
HDR

BLOCK 3627
LOT 150

PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF SOUNDVIEW PARK
EAST RIVER CSO TRIBUTARY AREA
METCALF AVENUE AND MORRISON AVENUE, BETWEEN STORY AVENUE AND SEWARD AVENUE

DRAWING TITLE
PROPOSED GREEN INFRASTRUCTURE LAYOUT PLAN - 2

DESIGNED BY	DRAWN BY	CHECKED BY	
G. GIDICSIN	G. GIDICSIN	B. BARNES	
B-SCAN	SCALE: 1" = 10'	DRAWING NO.: C201	CONTRACT NO.: GX-P-SOUV
	DATE: JUNE 2026		SHEET No. 11 OF 21 SHEETS



NOTES

1. SEE C200 FOR ELEVATIONS OF DRAINAGE STRUCTURES.
2. THE SIDEWALK TYPE TO BE DETERMINED AFTER EXCAVATION TO VERIFY IT IS REINFORCED (TYPE III) OR UNREINFORCED (TYPE I).

LEGEND

- FULL DEPTH ASPHALT PAVEMENT
- ASPHALT TOP COURSE
- CONCRETE SIDEWALK AND/OR PAD
- GRASS RESTORATION
- CURB AND/OR FENCE REPLACEMENT
- DECOMPACT EXISTING TREE
- OUTLET CONTROL STRUCTURE
- CLEANOUT
- MAINTENANCE ACCESS RISER
- MODIFIED CURB INLET

1"=10' (10 5 0 10')

NO.	DATE	ISSUED FOR	BY

BLOCK 3627
LOT 150

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NYC Parks

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PARKS & RECREATION
Forestry, Horticulture and Natural Resources

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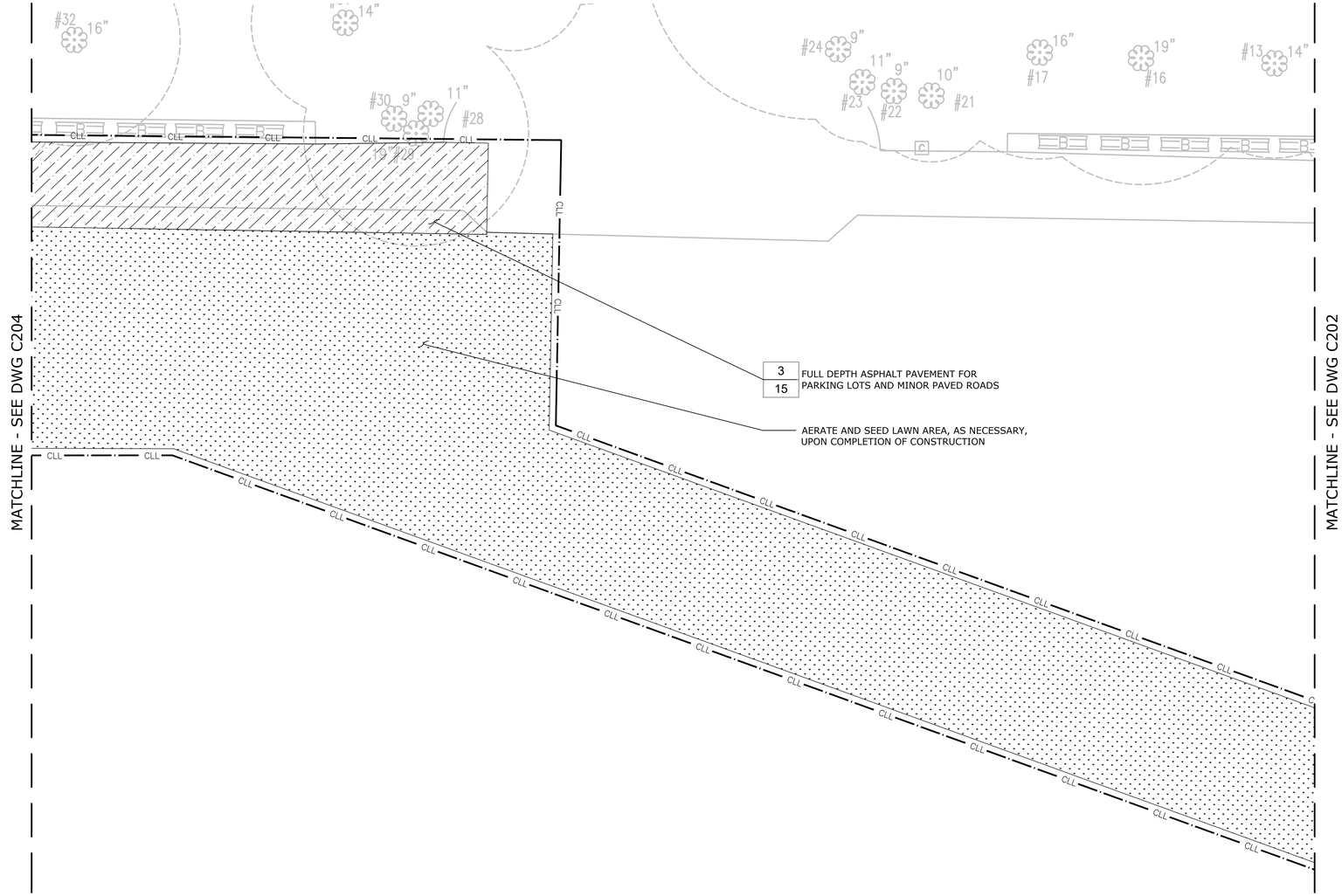
PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF SOUNDVIEW PARK
EAST RIVER CSO TRIBUTARY AREA
METCALF AVENUE AND MORRISON AVENUE, BETWEEN STORY AVENUE AND SEWARD AVENUE

DRAWING TITLE
MATERIALS PLAN -1

DESIGNED BY	DRAWN BY	CHECKED BY
G. GIDICSIN	G. GIDICSIN	B. BARNES

B-SCAN

SCALE 1" = 10'
DRAWING NO. C202
CONTRACT NO. GX-P-SOUV
DATE JUNE 2026
SHEET No. 12 OF 21 SHEETS



NOTES

1. CONTRACTOR SHALL PAVE THE EXISTING ASPHALT PAVEMENT PATHWAY AFTER ACCESS BETWEEN THE PRACTICES IS NO LONGER REQUIRED.

LEGEND

FULL DEPTH ASPHALT PAVEMENT

GRASS RESTORATION

10 5 0 10'
1"=10'

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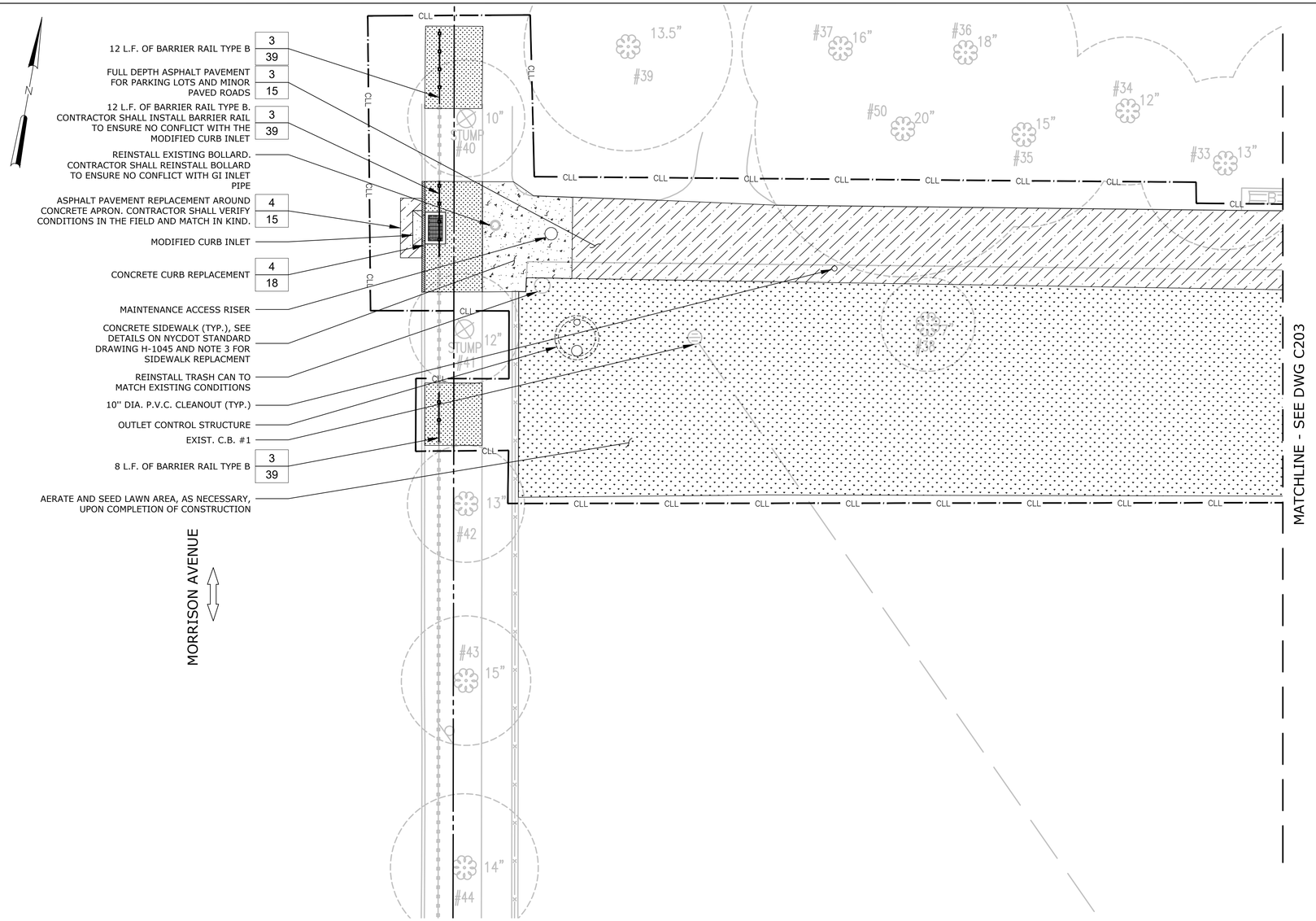
BLOCK 3627
LOT 150

PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF SOUNDVIEW PARK
EAST RIVER CSO TRIBUTARY AREA
METCALF AVENUE AND MORRISON AVENUE, BETWEEN STORY AVENUE AND SEWARD AVENUE

DRAWING TITLE
MATERIALS PLAN - 2

DESIGNED BY	DRAWN BY	CHECKED BY
G. GIDICSIN	G. GIDICSIN	B. BARNES

B-SCAN	SCALE	DRAWING NO.	CONTRACT NO.
	1" = 10'	C203	GX-P-SOUV
	DATE JUNE 2026		SHEET No. 13 OF 21 SHEETS



NOTES

1. CONTRACTOR SHALL STOCKPILE ALL WOODEN BARRIER RAIL COMPONENTS REMOVED TO FACILITATE CONSTRUCTION. LOST OR DAMAGED COMPONENTS SHALL BE REPLACED WITH NYC PARKS STANDARDS AT NO ADDITIONAL COST TO THE AGENCY.
2. SEE C201 FOR ELEVATIONS OF DRAINAGE STRUCTURES.
3. THE SIDEWALK TYPE TO BE DETERMINED AFTER EXCAVATION TO VERIFY IT IS REINFORCED (TYPE III) OR UNREINFORCED (TYPE I).

LEGEND

- FULL DEPTH ASPHALT PAVEMENT
- CONCRETE SIDEWALK AND/OR PAD
- GRASS RESTORATION
- CURB AND/OR FENCE REPLACEMENT
- OUTLET CONTROL STRUCTURE
- CLEANOUT
- MAINTENANCE ACCESS RISER
- WOODEN BARRIER RAIL REPLACEMENT
- MODIFIED CURB INLET

10 5 0 10'
1"=10'

NO.	DATE	ISSUED FOR	BY

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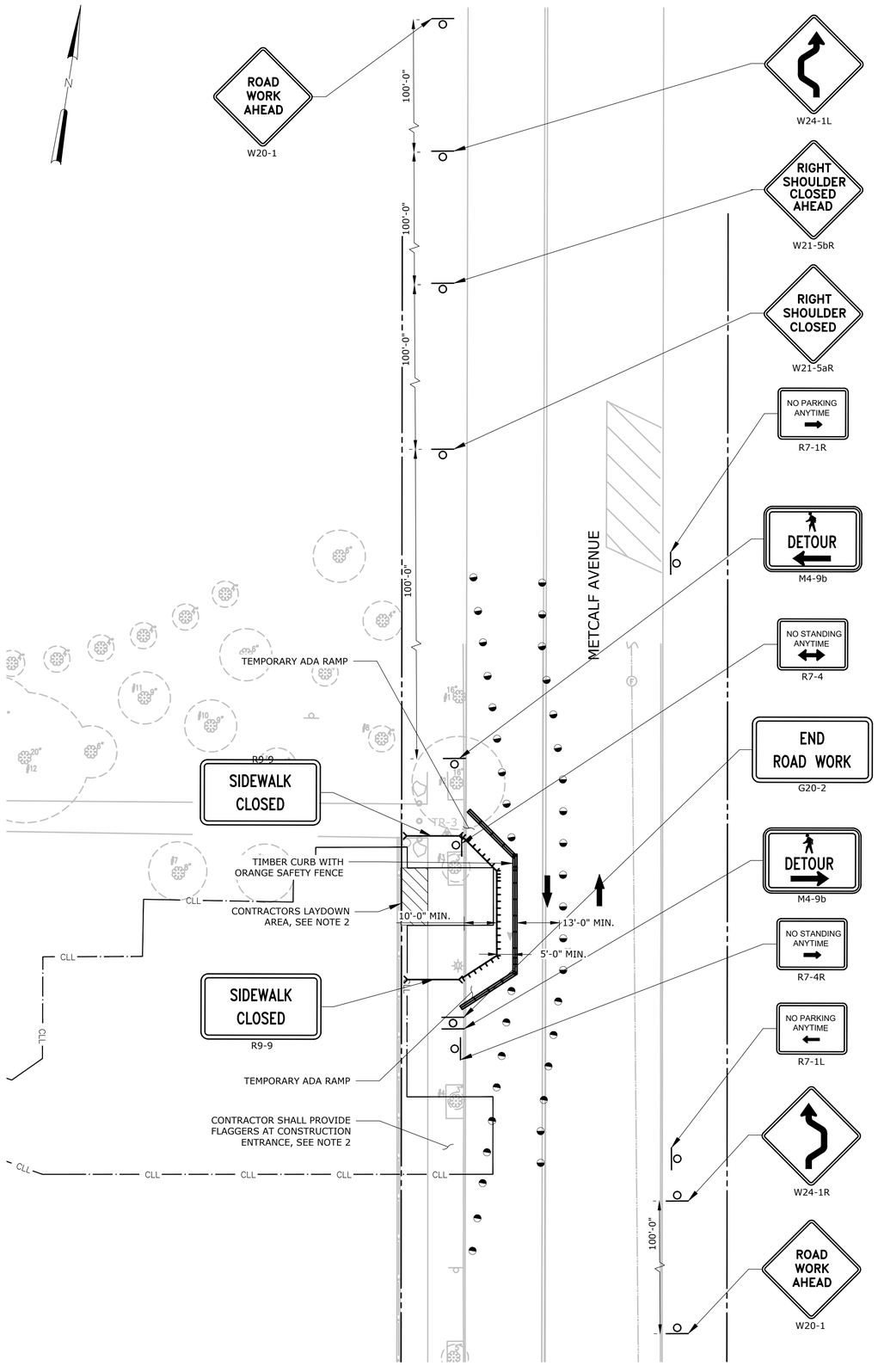
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NYC Parks
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Forestry, Horticulture and Natural Resources

PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF SOUNDVIEW PARK
EAST RIVER CSO TRIBUTARY AREA
METCALF AVENUE AND MORRISON AVENUE, BETWEEN STORY AVENUE AND SEWARD AVENUE

DRAWING TITLE
MATERIALS PLAN - 3

DESIGNED BY	DRAWN BY		CHECKED BY
G. GIDICSIN	G. GIDICSIN		B. BARNES
B-SCAN	SCALE 1" = 10'	DRAWING NO. C204	CONTRACT NO. GX-P-SOUV
	DATE JUNE 2026		SHEET No. 14 OF 21 SHEETS



METCALF AVENUE MAINTENANCE AND PROTECTION OF TRAFFIC NOTES

1. SEE COMPLETE LIST OF SPECIAL STIPULATIONS AND GENERAL NOTES IN THE OCMC FILE NO. BXEC-25-194.
2. WORK HOURS ARE 7A.M.-6P.M. MONDAY THROUGH FRIDAY.
3. THE CONTRACTOR MUST MAINTAIN A 5'-0" WIDE WALKWAY ON THE WEST SIDE OF METCALF AVENUE AT ALL TIMES.
4. THE CONTRACTOR MUST MAINTAIN A 13'-0" MOVING LANE FOR SOUTHBOUND TRAFFIC ON METCALF AVENUE AT ALL TIMES.
5. THE MAINTENANCE AND PROTECTION OF TRAFFIC SHOWN ON THIS SHEET WILL BE EMPLOYED IF WORK IS COMPLETE OR HAS NOT STARTED FOR THE PARKS CAPITAL CONSTRUCTION PROJECT TO THE NORTH. IF THE PARKS CAPITAL CONSTRUCTION PROJECT OVERLAPS WITH THE WORK HEREIN, THE CONTRACTOR SHALL COORDINATE MAINTENANCE AND PROTECTION OF TRAFFIC TO ALLOW FULL AND COMPLETE ACCESS TO THE ASPHALT PATH TO THE NORTH OF THE WORK AREA BY THE PARKS CAPITAL CONTRACTOR. A REVISED MAINTENANCE AND PROTECTION OF TRAFFIC PLAN MUST BE PROVIDED BY THE CONTRACTOR FOR APPROVAL BY NYC PARKS AND THE ENGINEER.

LEGEND

- WORK ZONE
- TEMPORARY CONSTRUCTION SIGN
- TIMBER CURB WITH ORANGE SAFETY FENCE
- STEEL BARRICADE
- EXISTING TRAFFIC FLOW
- PROPOSED TRAFFIC FLOW
- TYPE III BARRICADE
- INTERIM TUBULAR MARKER

20 10 0 20'
1"=20'

NO.	DATE	ISSUED FOR	BY

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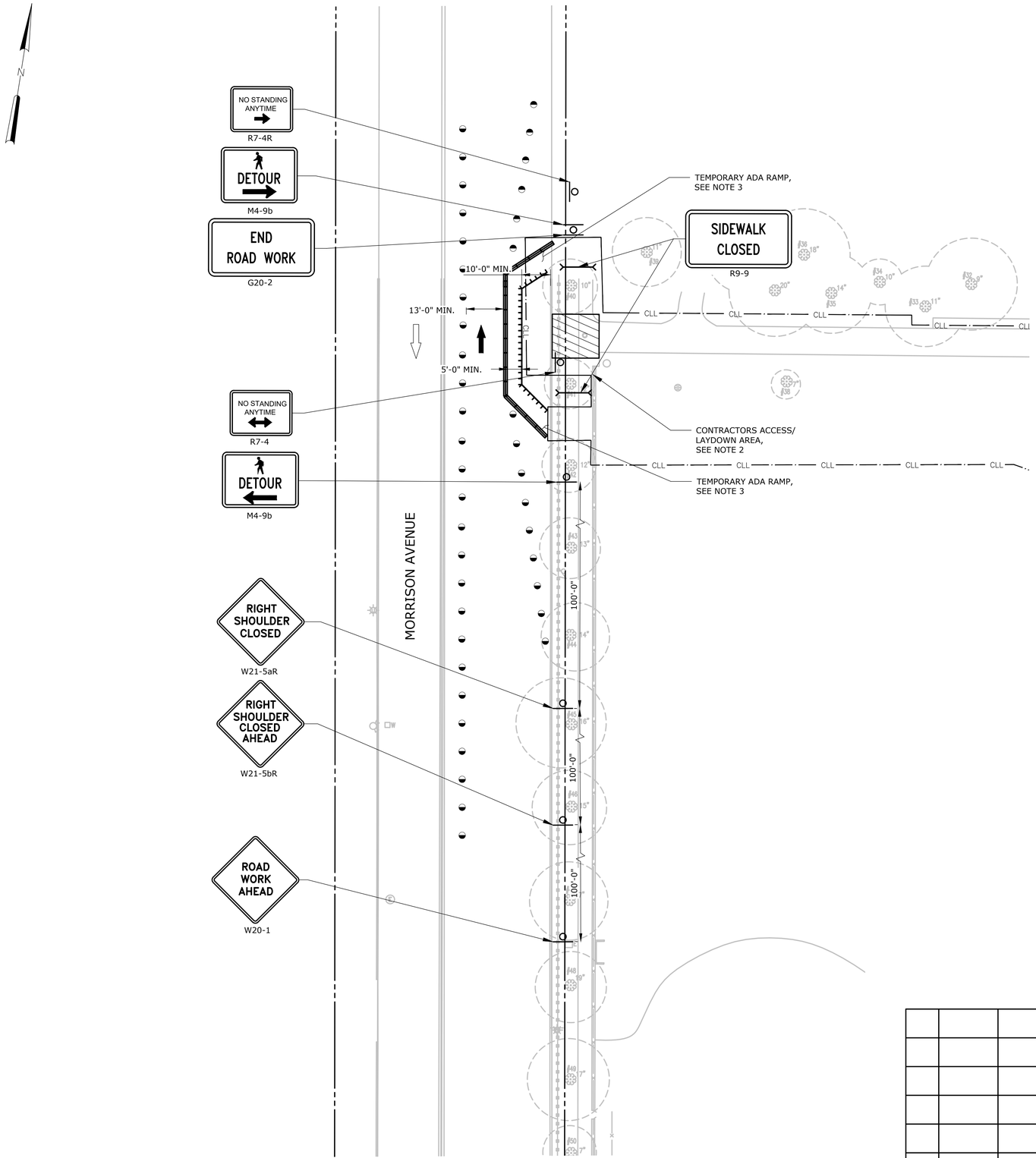
NYC Parks
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PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF SOUNDVIEW PARK
EAST RIVER CSO TRIBUTARY AREA
METCALF AVENUE AND MORRISON AVENUE, BETWEEN STORY AVENUE AND SEWARD AVENUE

DRAWING TITLE
MAINTENANCE AND PROTECTION OF TRAFFIC PLAN - 1

DESIGNED BY	DRAWN BY	CHECKED BY
M. BRAUN	S. RANA	B. BARNES

B-SCAN
SCALE: 1" = 20'
DRAWING NO.: C205
CONTRACT NO.: GX-P-SOUV
DATE: JUNE 2026
SHEET No. 15 OF 21 SHEETS



METCALF AVENUE MAINTENANCE AND PROTECTION OF TRAFFIC NOTES

1. SEE COMPLETE LIST OF SPECIAL STIPULATIONS AND GENERAL NOTES IN THE OCMC FILE NO. BXEC-25-194.
2. WORK HOURS ARE 7A.M.-6P.M. MONDAY THROUGH FRIDAY.
3. THE CONTRACTOR MUST MAINTAIN A 5'-0" WIDE WALKWAY ON THE WEST SIDE OF METCALF AVENUE AT ALL TIMES.
4. THE CONTRACTOR MUST MAINTAIN A 13'-0" MOVING LANE FOR SOUTHBOUND TRAFFIC ON METCALF AVENUE AT ALL TIMES.

LEGEND

- WORK ZONE
- TEMPORARY CONSTRUCTION SIGN
- TIMBER CURB WITH ORANGE SAFETY FENCE
- STEEL BARRICADE
- EXISTING TRAFFIC FLOW
- PROPOSED TRAFFIC FLOW
- TYPE III BARRICADE
- INTERIM TUBULAR MARKER

20 10 0 20'
1"=20'

NO.	DATE	ISSUED FOR	BY

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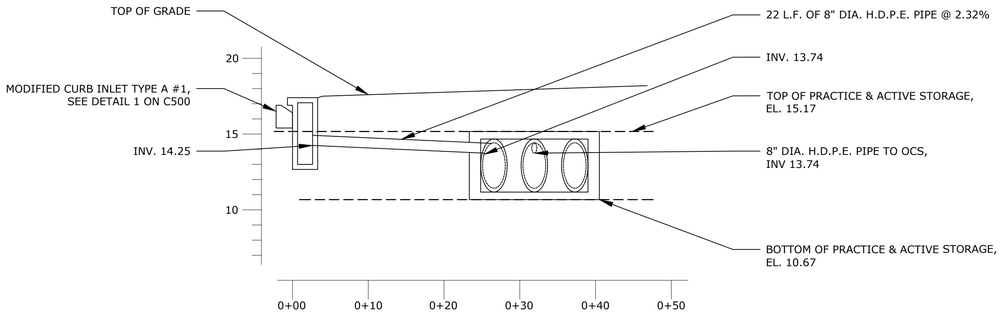
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Forestry, Horticulture and Natural Resources

PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF SOUNDVIEW PARK
EAST RIVER CSO TRIBUTARY AREA
METCALF AVENUE AND MORRISON AVENUE, BETWEEN STORY AVENUE AND SEWARD AVENUE

DRAWING TITLE
MAINTENANCE AND PROTECTION OF TRAFFIC PLAN - 2

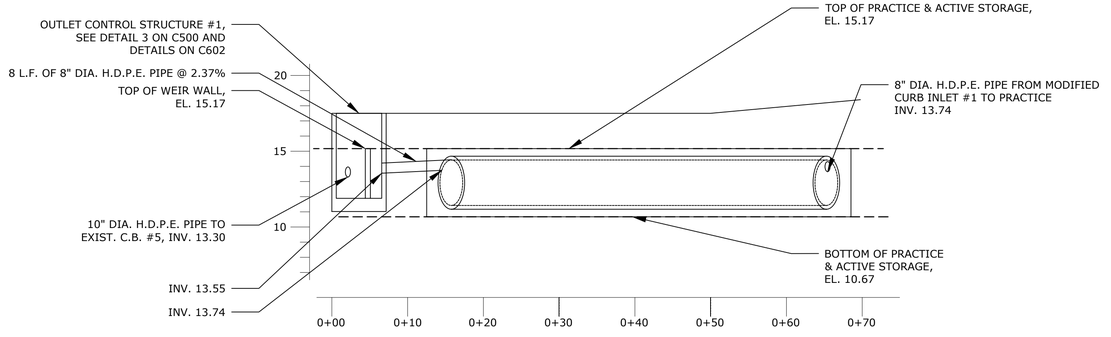
DESIGNED BY	DRAWN BY	CHECKED BY
M. BRAUN	S. RANA	B. BARNES

B-SCAN	SCALE	DRAWING NO.	CONTRACT NO.
	1" = 20'	C206	GX-P-SOUV
	DATE JUNE 2026		SHEET No. 16 OF 21 SHEETS



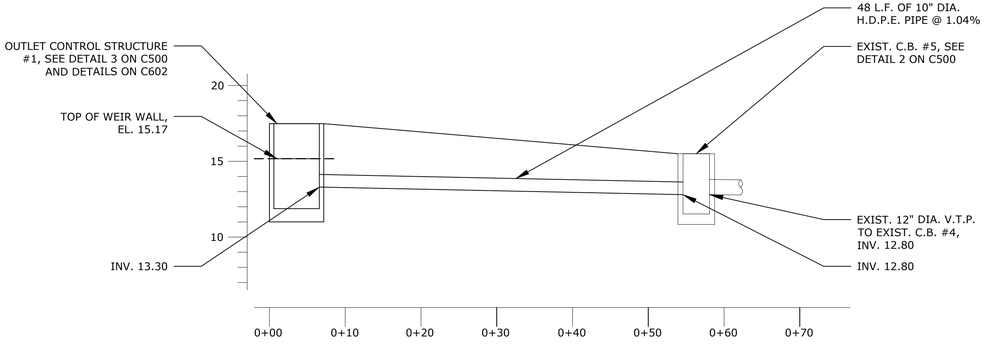
1 DRAINAGE PROFILE - MODIFIED CURB INLET #1 TO SUBSURFACE RETENTION PRACTICE X118-01SPa

VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 10'



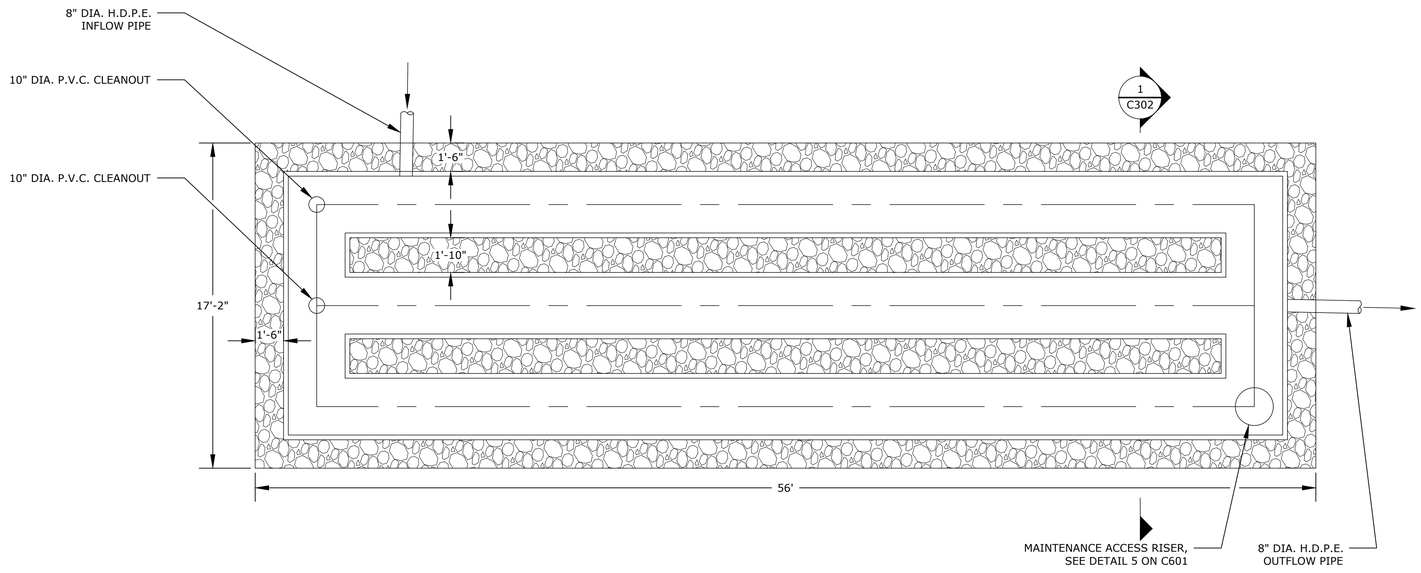
2 DRAINAGE PROFILE - ALONG SUBSURFACE RETENTION PRACTICE X118-01SPa TO OUTLET CONTROL STRUCTURE #1

VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 10'



3 DRAINAGE PROFILE - OUTLET CONTROL STRUCTURE #1 TO EXISTING CATCH BASIN #5

VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 10'



4 SUBSURFACE RETENTION PRACTICE X118-01SPa - LAYOUT

SCALE 1' = 4'

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NO.	DATE	ISSUED FOR	BY

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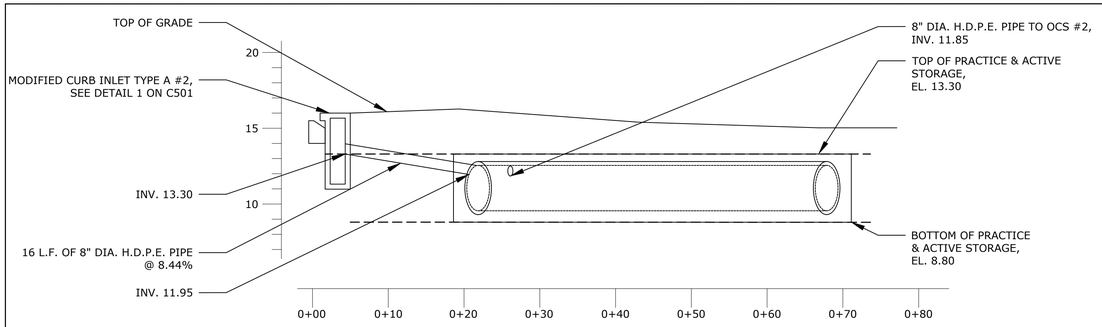
PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF SOUNDVIEW PARK
EAST RIVER CSO TRIBUTARY AREA
METCALF AVENUE AND MORRISON AVENUE, BETWEEN STORY AVENUE AND SEWARD AVENUE

DRAWING TITLE
SECTIONS AND PROFILES - 1

DESIGNED BY	DRAWN BY	CHECKED BY
G. GIDICSIN	G. GIDICSIN	B. BARNES

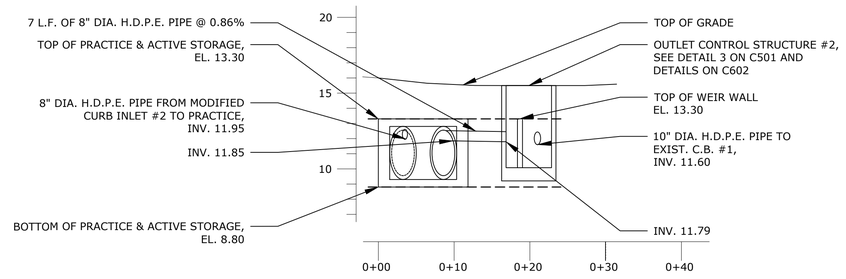
B-SCAN

SCALE: N.T.S.
DRAWING NO.: C300
CONTRACT NO.: GX-P-SOUV
DATE: JUNE 2026
SHEET No. 17 OF 21 SHEETS



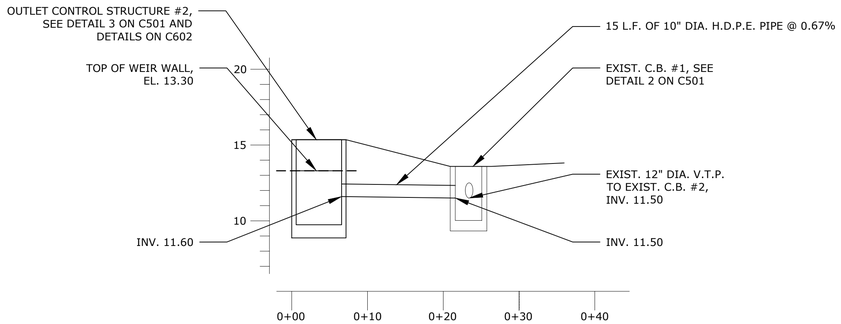
1 DRAINAGE PROFILE - MODIFIED CURB INLET #2 TO SUBSURFACE RETENTION PRACTICE X118-02SPa

VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 10'



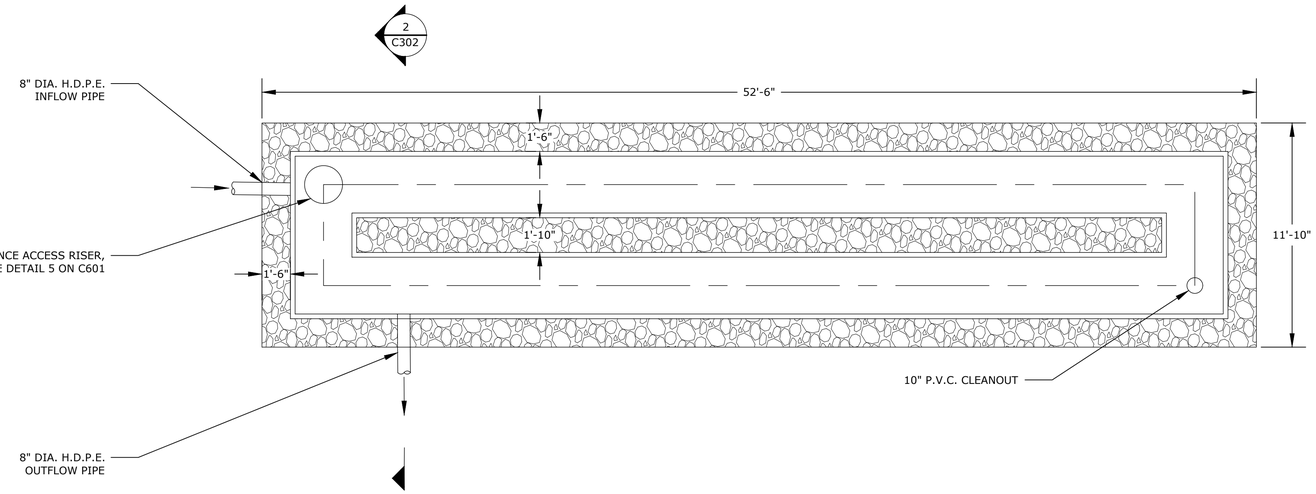
2 DRAINAGE PROFILE - ALONG SUBSURFACE RETENTION PRACTICE X118-02SPa TO OUTLET CONTROL STRUCTURE #2

VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 10'



3 DRAINAGE PROFILE - OUTLET CONTROL STRUCTURE #2 TO EXISTING CATCH BASIN #1

VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 10'



4 SUBSURFACE RETENTION PRACTICE X118-02SPa - LAYOUT

SCALE 1' = 4'

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NYC Parks

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PARKS & RECREATION
Forestry, Horticulture and Natural Resources

NO.	DATE	ISSUED FOR	BY

SEAL
STATE OF NEW YORK
MICHAEL DAVID BRAUN
LICENSED PROFESSIONAL ENGINEER
101288
HDR

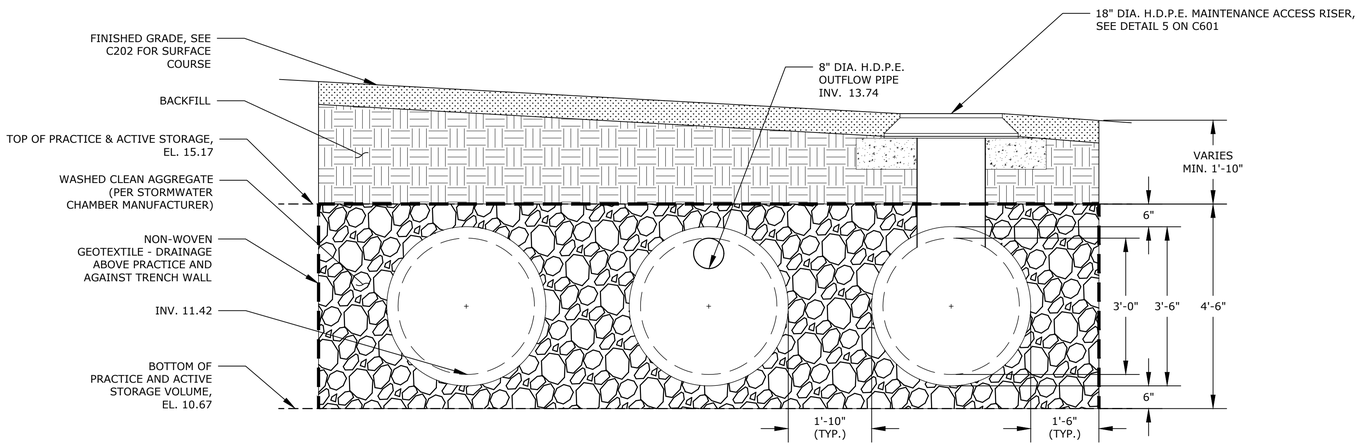
BLOCK 3627
LOT 150

PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF SOUNDVIEW PARK
EAST RIVER CSO TRIBUTARY AREA
METCALF AVENUE AND MORRISON AVENUE, BETWEEN STORY AVENUE AND SEWARD AVENUE

DRAWING TITLE
SECTIONS AND PROFILES - 2

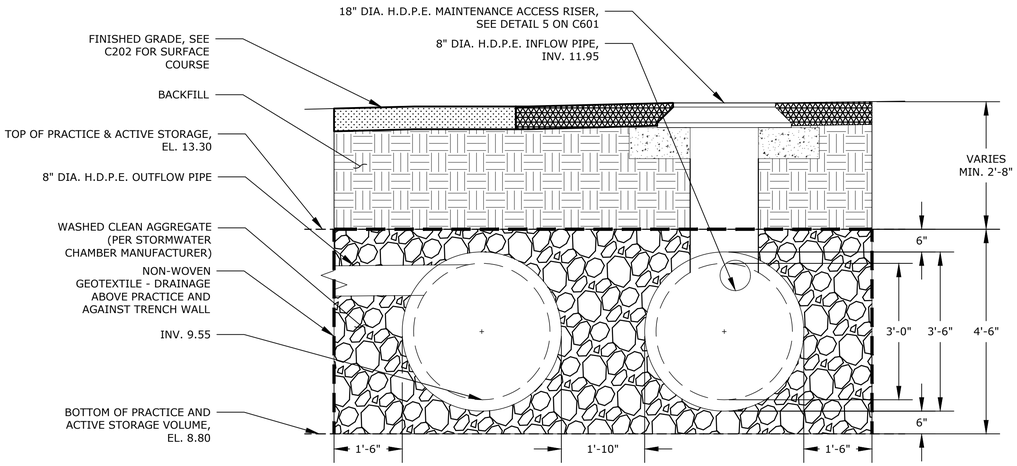
DESIGNED BY	DRAWN BY	CHECKED BY
G. GIDICSIN	G. GIDICSIN	B. BARNES

B-SCAN	SCALE	DRAWING NO.	CONTRACT NO.
	N.T.S.	C301	GX-P-SOUV
	DATE JUNE 2026		SHEET No. 18 OF 21 SHEETS



1 SUBSURFACE RETENTION PRACTICE X118-01SPa CROSS-SECTION INSTALLATION

SCALE 1" = 20'



2 SUBSURFACE RETENTION PRACTICE X118-02SPa CROSS-SECTION INSTALLATION

SCALE 1' = 20'

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NO.	DATE	ISSUED FOR	BY

SEAL

STATE OF NEW YORK ★ MICHAEL DAVID BRAUN ★ 101288 ★ LICENSED PROFESSIONAL ENGINEER

HDR

BLOCK 3627

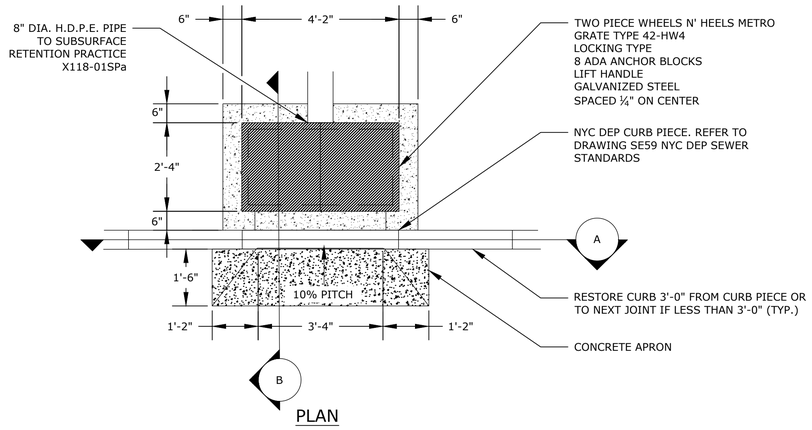
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PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF SOUNDVIEW PARK
EAST RIVER CSO TRIBUTARY AREA
METCALF AVENUE AND MORRISON AVENUE, BETWEEN STORY AVENUE AND SEWARD AVENUE

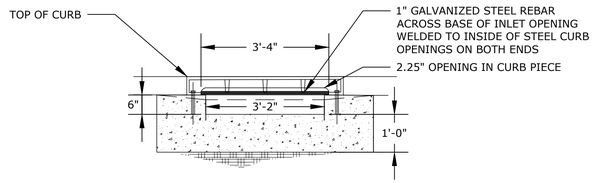
DRAWING TITLE
SECTIONS AND PROFILES - 3

DESIGNED BY	DRAWN BY	CHECKED BY
G. GIDICSIN	G. GIDICSIN	B. BARNES

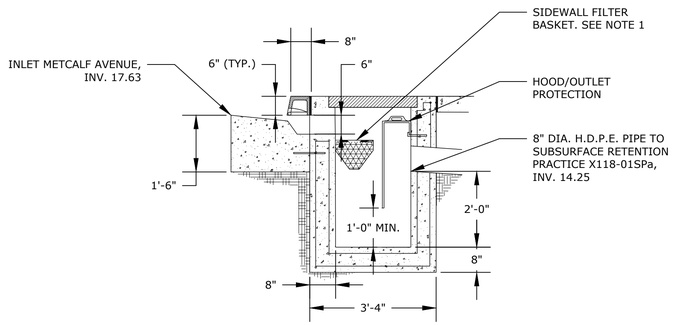
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	N.T.S.	C302	GX-P-SOUV
	DATE JUNE 2026		SHEET No. 19 OF 21 SHEETS



PLAN



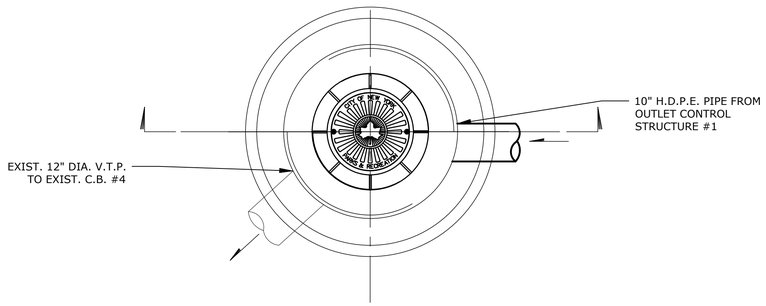
SECTION - A



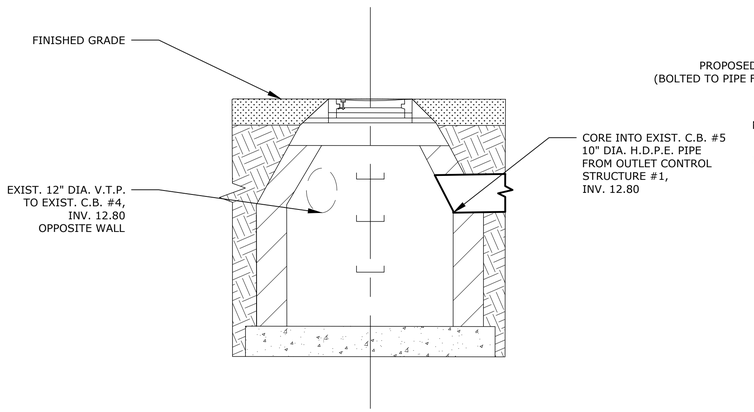
SECTION - B

NOTES:
1. ATTACH SIDEWALL FILTER 2" BELOW OPENING WITH BOLTS, OR PER MANUFACTURER INSTRUCTIONS.

1 MODIFIED CURB INLET TYPE A - #1
NOT TO SCALE



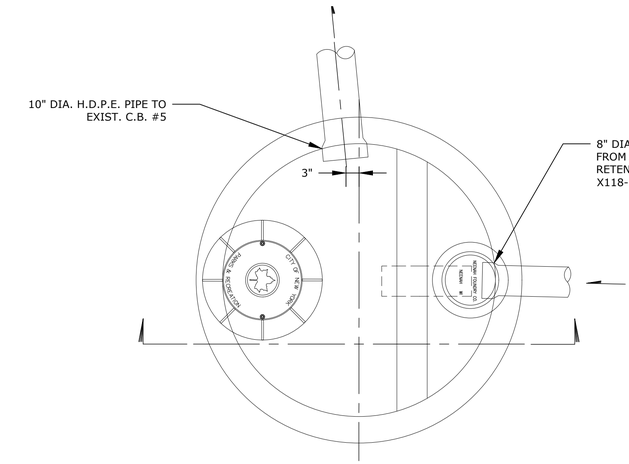
PLAN



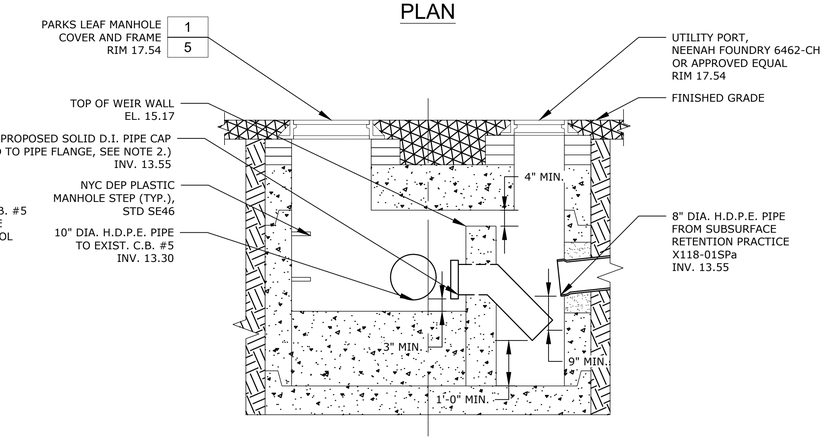
SECTION

NOTES:
1. NYC PARKS STANDARD DETAIL SHEET 2 PROVIDED FOR REFERENCE ONLY.

2 EXISTING CATCH BASIN #5
NOT TO SCALE



PLAN



SECTION

NOTES:
1. SEE C602 FOR OUTLET CONTROL STRUCTURE REINFORCEMENT DETAILS.
2. BOLTS SHALL BE INSTALLED SO THAT THE BOLT HEAD IS ON THE WEIR WALL SIDE.

3 TYPE 1: OUTLET CONTROL STRUCTURE - #1
NOT TO SCALE

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NYC Parks

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PARKS & RECREATION
Forestry, Horticulture and Natural Resources

NO.	DATE	ISSUED FOR	BY

SEAL
STATE OF NEW YORK · MICHAEL DAVID BRAUN · 101288 · LICENSED PROFESSIONAL ENGINEER

FDR

BLOCK 3627
LOT 150

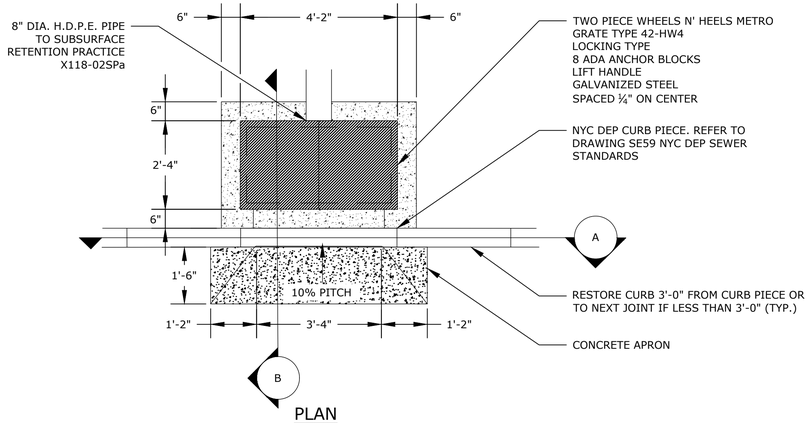
PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF SOUNDVIEW PARK
EAST RIVER CSO TRIBUTARY AREA
METCALF AVENUE AND MORRISON AVENUE, BETWEEN STORY AVENUE AND SEWARD AVENUE

DRAWING TITLE
DETAILS - 1

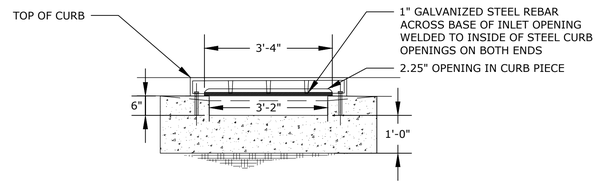
DESIGNED BY	DRAWN BY	CHECKED BY
G. GIDICSIN	G. GIDICSIN	B. BARNES

B-SCAN

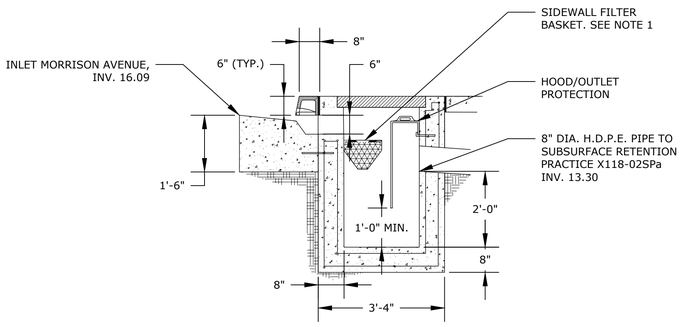
SCALE: N.T.S.
DRAWING NO.: C500
DATE: JUNE 2026
CONTRACT NO.: GX-P-SOUV
SHEET No. 20 OF 21 SHEETS



PLAN



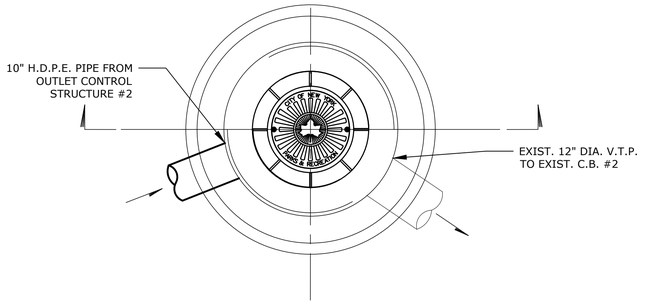
SECTION - A



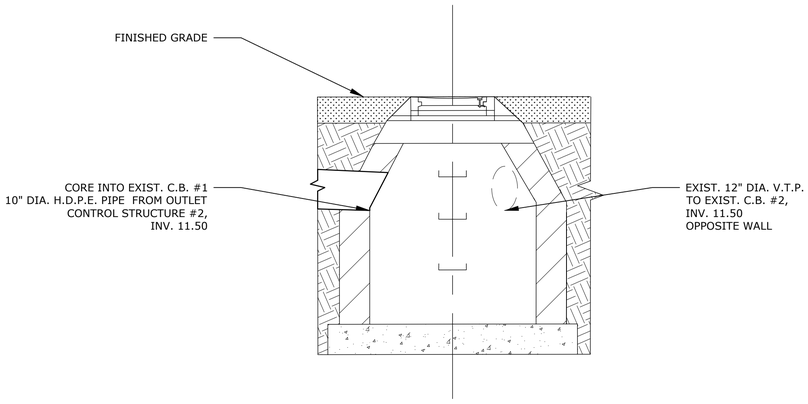
SECTION - B

NOTES:
1. ATTACH SIDEWALL FILTER 2" BELOW OPENING WITH BOLTS, OR PER MANUFACTURER INSTRUCTIONS.

1 MODIFIED CURB INLET TYPE A - #2
NOT TO SCALE



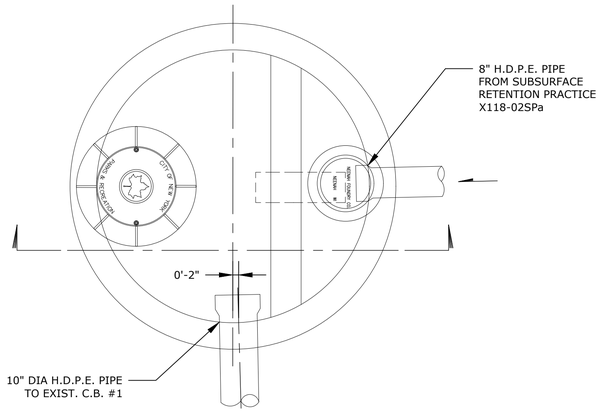
PLAN



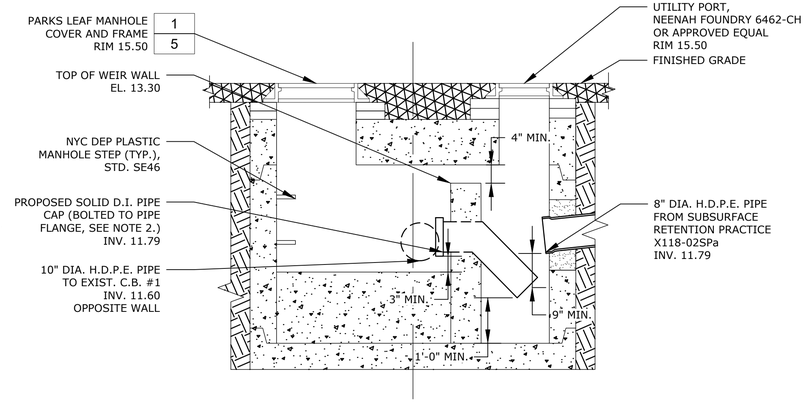
SECTION

NOTES:
1. NYC PARKS STANDARD DETAIL SHEET 2 PROVIDED FOR REFERENCE ONLY.

2 EXISTING CATCH BASIN #1
NOT TO SCALE



PLAN



SECTION

NOTES:
1. SEE C602 FOR OUTLET CONTROL STRUCTURE REINFORCEMENT DETAILS.
2. BOLTS SHALL BE INSTALLED SO THAT THE BOLT HEAD IS ON THE WEIR WALL SIDE.

3 TYPE 1: OUTLET CONTROL STRUCTURE #2
NOT TO SCALE

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NO.	DATE	ISSUED FOR	BY

SEAL: STATE OF NEW YORK · MICHAEL DAVID BRAUN · 101288 · LICENSED PROFESSIONAL ENGINEER

HDR

BLOCK 3627
LOT 150

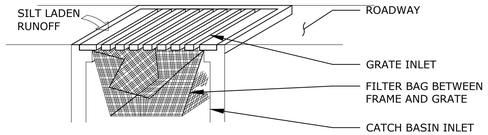
PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF SOUNDVIEW PARK
EAST RIVER CSO TRIBUTARY AREA
METCALF AVENUE AND MORRISON AVENUE, BETWEEN STORY AVENUE AND SEWARD AVENUE

DRAWING TITLE
DETAILS - 2

DESIGNED BY	DRAWN BY	CHECKED BY
G. GIDICSIN	G. GIDICSIN	B. BARNES

B-SCAN

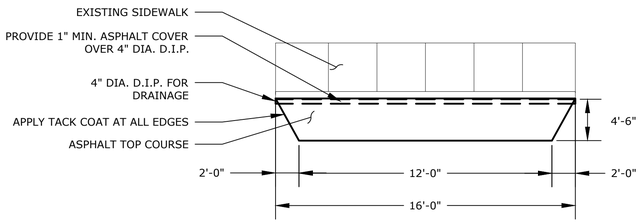
SCALE: N.T.S.
DRAWING NO.: C501
CONTRACT NO.: GX-P-SOUV
DATE: JUNE 2026
SHEET No. 21 OF 21 SHEETS



NOTE:
1. IN PAVED AREAS, USE FILTER BAG FOR INLET PROTECTION (NO MESH, BOX STONE REQUIRED).
2. FILTER BAG SHALL BE MANUFACTURED FROM A WOVEN POLYPROPYLENE GEOTEXTILE AND SEWN BY A DOUBLE NEEDLE MACHINE USING A HIGH STRENGTH NYLON THREAD.
3. BAG SHALL BE SILTSACK® BY ACF ENVIRONMENTAL, OR EQUAL, AS APPROVED BY THE ENGINEER.

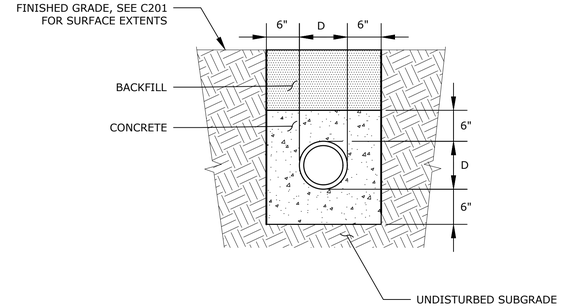
MAINTENANCE REQUIREMENTS:
1. INSPECT GRATE AND BAG ON A WEEKLY BASIS AND AFTER EACH RAINFALL EVENT PRODUCING ½ INCH OR MORE OR RAIN. ANY DEBRIS OR SEDIMENT VISIBLE SHALL BE REMOVED IMMEDIATELY.
2. DAMAGE TO THE BAG SHALL BE REPAIRED IMMEDIATELY.
3. WHEN THE RESTRAINT CORD IS NO LONGER VISIBLE, THE BAG IS FULL AND SHOULD BE EMPTIED.
4. USE 1" DIAMETER REBAR TO SLIDE THROUGH THE LIFTING LOOPS/POCKETS ON EACH SIDE OF THE BAG TO FACILITATE LIFTING.
5. REMOVE SEDIMENT FROM BAG AND DISPOSE OF OFF-SITE IN ACCORDANCE WITH ALL STATE AND LOCAL REGULATIONS.

1 INLET PROTECTION
NOT TO SCALE



TEMPORARY ASPHALT RAMP NOTE:
1. UPON COMPLETION OF CONSTRUCTION, DAMAGED SIDEWALK FLAGS, CURBS AND/OR ROADWAY SHALL BE REPLACED IN KIND.

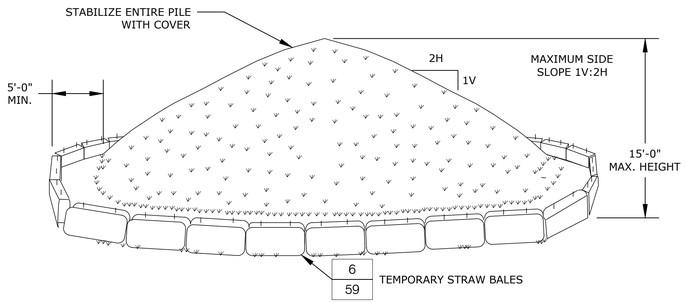
2 TEMPORARY ASPHALT RAMP
NOT TO SCALE



D = OUTSIDE DIAMETER OF PIPE

NOTES:
1. APPLIES TO CATCH BASIN CHUTE CONNECTIONS WITH LESS THAN 4FT COVER FROM FINAL GRADE TO OUTER TOP OF THE PIPE.

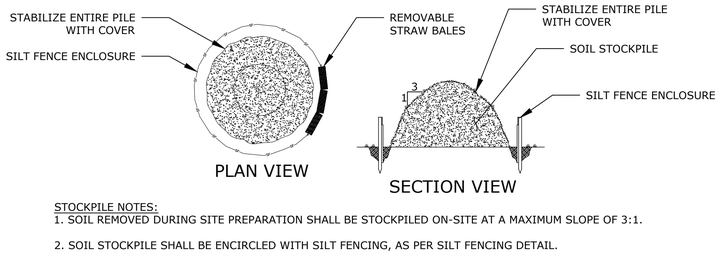
3 CONCRETE ENCASEMENT DETAIL
NOT TO SCALE



STOCKPILE NOTES:
1. THE GROUND SURFACE WHERE SOIL WILL BE STOCKPILED SHALL BE COVERED WITH A MINIMUM OF .25MM OR 2 LAYERS OF .15 MM H.D.P.E. BARRIER, OR AN EQUIVALENT MATERIAL. IN ADDITION, PRIOR TO THE END OF EACH WORK DAY, STOCKPILES SHALL BE COMPLETELY COVERED WITH THE H.D.P.E. BARRIER. STOCKPILE COVERS SHALL BE WEIGHTED OR SECURED BY APPROPRIATE MEANS. ALL SEAMS SHALL BE OVERLAPPED AND SEALED TO PREVENT THE LEACHING OF CONTAMINANTS. DAMAGED COVERS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR WITHIN 24 HOURS AFTER NOTIFICATION.

2. SEE TREE PROTECTION, STAGING, AND ACCESS PLAN FOR SUGGESTED STAGING AREA.

4 STOCKPILE ON PAVEMENT
NOT TO SCALE



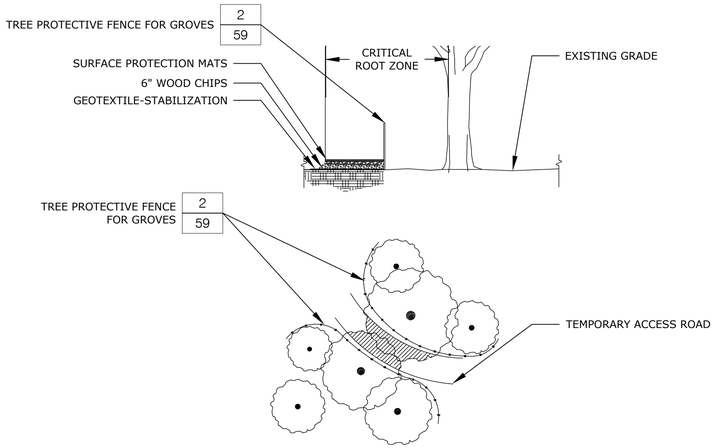
STOCKPILE NOTES:
1. SOIL REMOVED DURING SITE PREPARATION SHALL BE STOCKPILED ON-SITE AT A MAXIMUM SLOPE OF 3:1.

2. SOIL STOCKPILE SHALL BE ENCIRCLED WITH SILT FENCING, AS PER SILT FENCING DETAIL.

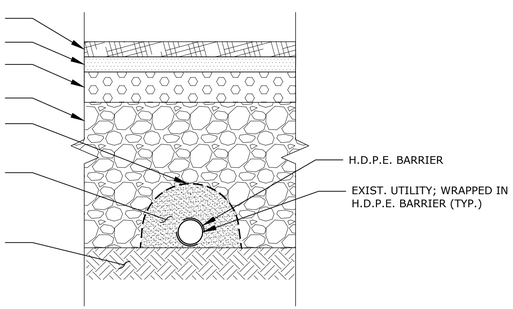
3. THE GROUND SURFACE WHERE SOIL WILL BE STOCKPILE SHALL BE COVERED WITH A MINIMUM OF .25MM OR 2 LAYERS OF .15 MM H.D.P.E. BARRIER, OR AN EQUIVALENT MATERIAL. IN ADDITION, PRIOR TO THE END OF EACH WORK DAY, STOCKPILES SHALL BE COMPLETELY COVERED WITH THE H.D.P.E. BARRIER. STOCKPILE COVERS SHALL BE WEIGHTED OR SECURED BY APPROPRIATE MEANS. ALL SEAM SHALL BE OVERLAPPED AND SEALED TO PREVENT THE LEACHING OF CONTAMINANTS. DAMAGED COVERS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR WITHIN 24 HOURS AFTER NOTIFICATION.

4. SEE TREE PROTECTION, STAGING, AND ACCESS PLAN FOR SUGGESTED STAGING AREA.

5 STOCKPILE ON GRASS
NOT TO SCALE



6 SURFACE PROTECTION
NOT TO SCALE



7 UTILITY PROTECTION
NOT TO SCALE

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HDR

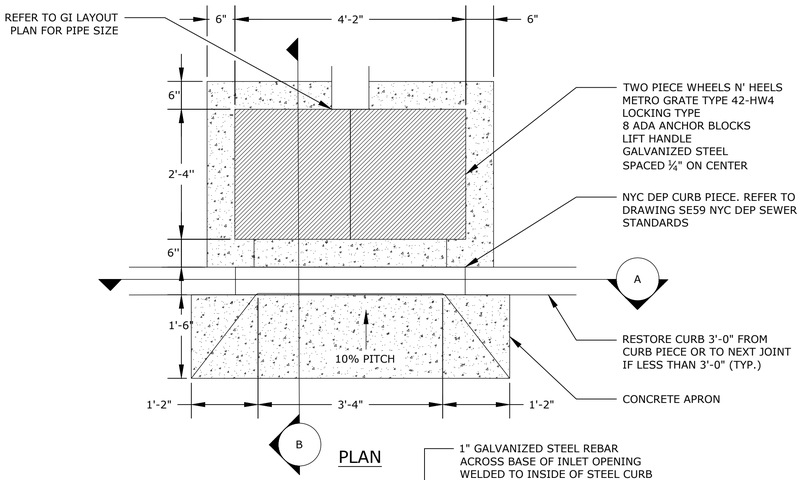
BLOCK
LOT

PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF MULTIPLE SITES

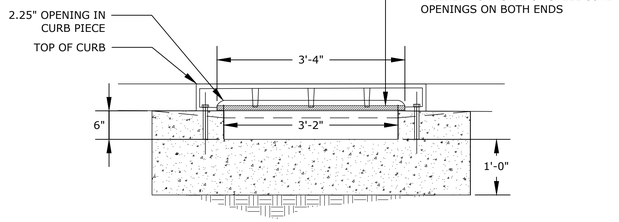
DRAWING TITLE
SITE DETAILS - 1

DESIGNED BY	DRAWN BY	CHECKED BY
S. RANA	S. RANA	M. BRODERICK

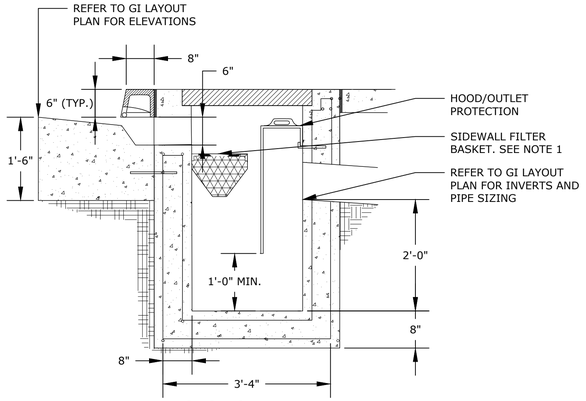
B-SCAN	SCALE	DRAWING NO.	CONTRACT NO.
	N.T.S.	C600	
	DATE		SHEET No. 1 OF 3 SHEETS



PLAN



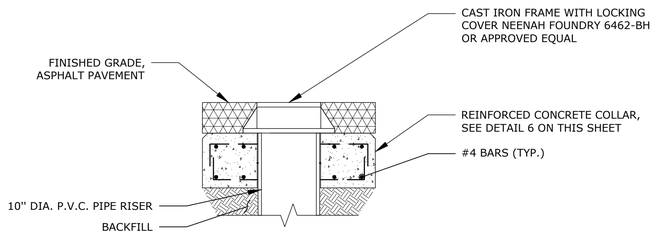
SECTION - A



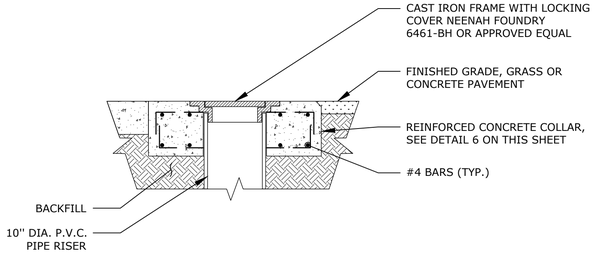
SECTION - B

NOTES:
1. ATTACH SIDEWALL FILTER 2" BELOW OPENING WITH BOLTS, OR PER MANUFACTURER INSTRUCTIONS.

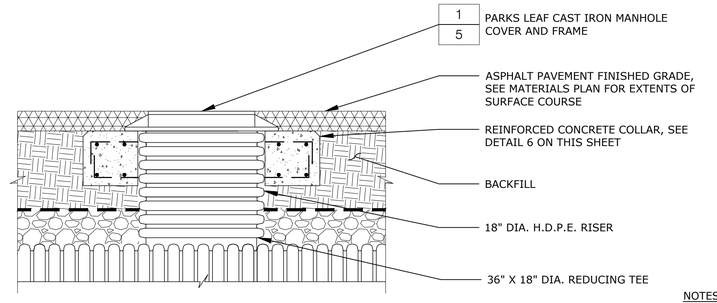
1 MODIFIED CURB INLET TYPE A
NOT TO SCALE



2 10" DIA. P.V.C. CLEANOUT WITH CONCRETE COLLAR BELOW GRADE
NOT TO SCALE

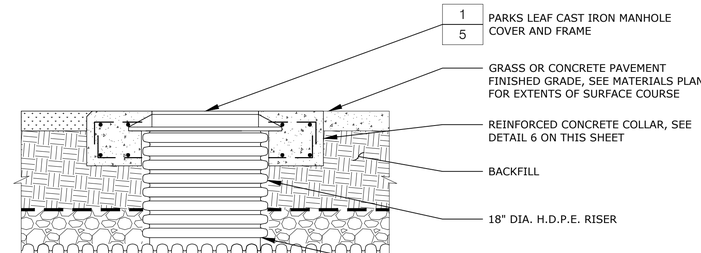


3 10" DIA. P.V.C. CLEANOUT WITH CONCRETE COLLAR AT GRADE
NOT TO SCALE



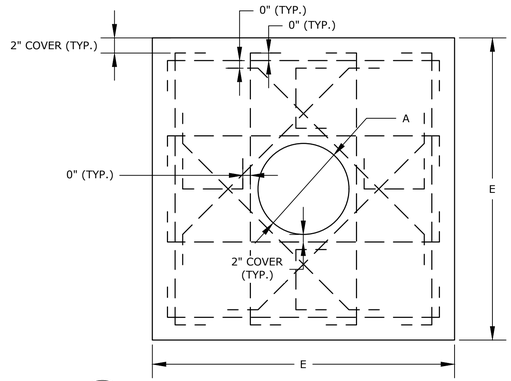
NOTES
CONCRETE COLLAR SHALL BE CONSTRUCTED SUCH THAT THE LIVE LOAD IS TRANSMITTED TO THE SURROUNDING SOIL AND NOT DIRECTLY TO THE RISER BASED ON ANTICIPATED LOADING.

4 MAINTENANCE ACCESS RISER WITH CONCRETE COLLAR BELOW GRADE
NOT TO SCALE

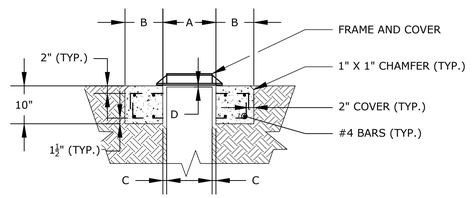


NOTES
CONCRETE COLLAR SHALL BE CONSTRUCTED SUCH THAT THE LIVE LOAD IS TRANSMITTED TO THE SURROUNDING SOIL AND NOT DIRECTLY TO THE RISER BASED ON ANTICIPATED LOADING.

5 MAINTENANCE ACCESS RISER WITH CONCRETE COLLAR AT GRADE
NOT TO SCALE



6 CONCRETE COLLAR REINFORCEMENT DETAIL
NOT TO SCALE



	DIMENSION				
CLEANOUT / RISER DIA.	A	B	C	D	E
18"	1'-11"	10"	1"	½"	3'-7"
10"	11"	10"	⅛"	0"	2'-7"

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Bureau of Environmental Planning and Analysis

NYC Parks

CITY OF NEW YORK
PARKS & RECREATION
Forestry, Horticulture and Natural Resources

NO.	DATE	ISSUED FOR	BY

SEAL
STATE OF NEW YORK
MICHAEL DAVID BRAUN
LICENSED PROFESSIONAL ENGINEER
101288
HDR

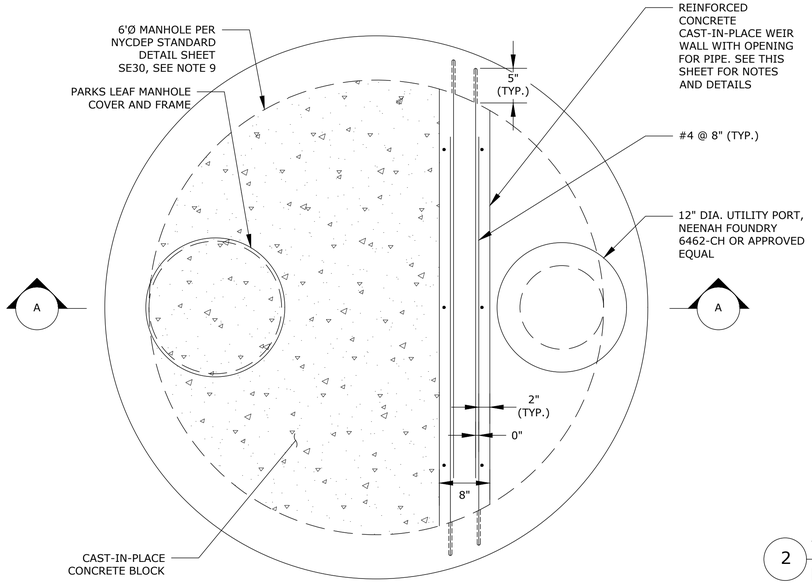
BLOCK
LOT

PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF MULTIPLE SITES

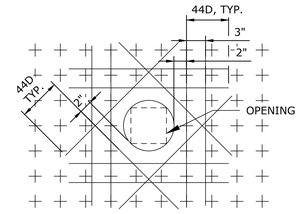
DRAWING TITLE
SITE DETAILS - 2

DESIGNED BY	DRAWN BY	CHECKED BY
S. RANA	S. RANA	M. BRODERICK

B-SCAN	SCALE	DRAWING NO.	CONTRACT NO.
	N.T.S.	C601	
	DATE		SHEET No. 2 OF 3 SHEETS



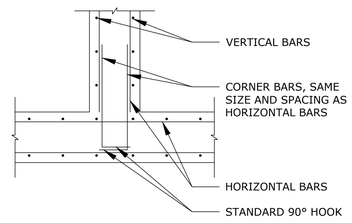
PLAN



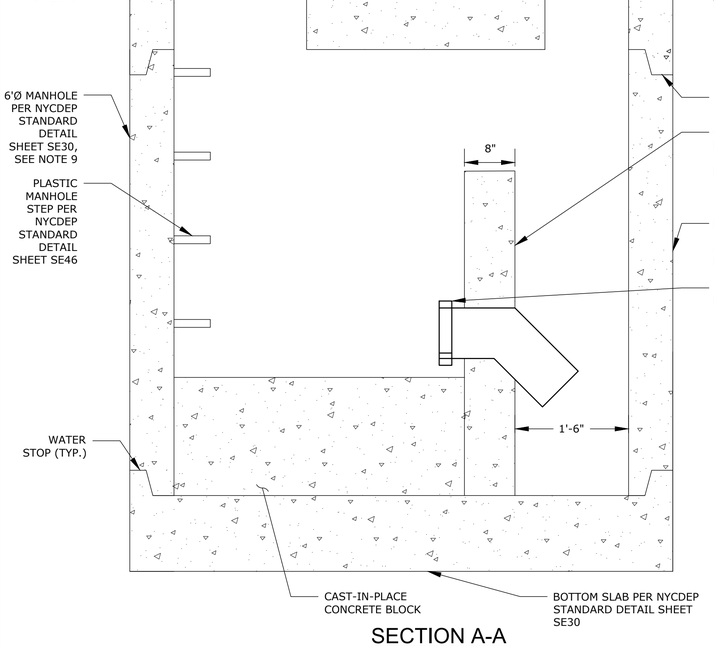
NOTES:

1. THIS DETAIL APPLIES TO OPENINGS 8"Ø AND LARGER. FOR SMALLER OPENINGS, BEND BARS OR ADJUST SPACING OF REINFORCEMENT TO CLEAR OPENING.
2. PLACE ADDITIONAL BARS OF THE SAME SIZE AT THE INTERRUPTED BARS ON EACH SIDE OF OPENING. QUANTITY OF ADDITIONAL BARS ON EACH SIDE SHALL EQUAL HALF THE QUANTITY OF INTERRUPTED BARS EXCEPT WHERE NOTED OTHERWISE.
3. PROVIDE ONE DIAGONAL BAR ON EACH SIDE OF OPENING OF THE SAME SIZE EQUAL TO MAIN REINFORCEMENT, TYPICAL ON EACH FACE.
4. WHERE INVERT OF OPENING IN WALL IS LESS THAN 44 BAR DIAMETERS FROM TOP OF SLAB, ADDITIONAL REINFORCEMENT ON EACH SIDE SHALL INCLUDE DOWELS EMBEDDED INTO SLAB WITH STANDARD 90 DEGREE HOOKS TO SPLICE WITH ADDITIONAL VERTICAL REINFORCEMENT. DOWELS SHALL ALSO STILL BE PROVIDED BELOW OPENING.
5. WHERE INVERT OF OPENING IN WALL OR SLAB IS CLOSER THAN 44 BAR DIAMETERS TO EDGE OF SLAB OR BOTTOM OF WALL, ADDITIONAL DIAGONAL BARS MAY BE TERMINATED TWO INCHES FROM EDGE OF SLAB OR BOTTOM OF WALL. DOWELS DO NOT HAVE TO BE PROVIDED TO SPLICE WITH DIAGONAL BARS.

2 TYPICAL REINFORCEMENT AT OPENINGS
N.T.S.



3 INTERSECTION TYPICAL WALL REINFORCING
N.T.S.

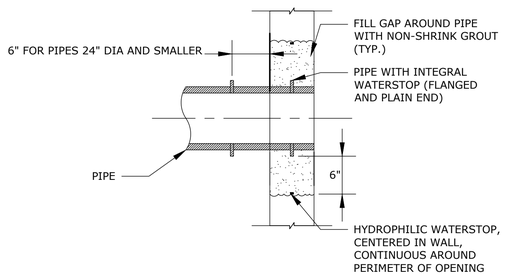


SECTION A-A

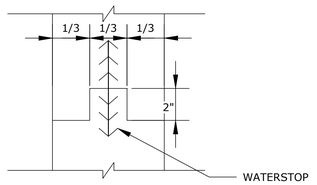
1 OUTLET CONTROL STRUCTURE DETAIL
1"=1' 0 6" 1' 2'

NOTES:

1. CUT AND BEND BARS AT ALL OPENINGS AND PENETRATIONS (TYP.).
2. TILT HOOKS AS REQUIRED TO MAINTAIN REQUIRED COVER.
3. PROVIDE STANDARD HOOK AT END OF ALL INTERRUPTED BARS.
4. PROVIDE 1 - #5 ADDITIONAL BAR ON EACH SIDE OF WALL OPENINGS.
5. REFER TO GREEN INFRASTRUCTURE LAYOUT PLAN FOR PIPE DIMENSIONS AND INVERTS.
6. REFER TO GREEN INFRASTRUCTURE LAYOUT PLAN FOR LOCATION OF OUTLET CONTROL STRUCTURE.
7. ALL REINFORCING BARS SHALL BE HOT-DIPPED GALVANIZED GRADE 60.
8. THE CONTRACTOR SHALL PROVIDE AND LOCATE THE LIFTING HOOKS.
9. 6'Ø MANHOLE PER NYCDEP STANDARD DETAIL SHEET SE30 SHALL NOT INCLUDE RISER SECTION.



4 TYPICAL WALL PIPE
N.T.S.



5 TYPICAL KEYWAY
N.T.S.

BASIC DEVELOPMENT LENGTH AND SPLICE LENGTH

FOR UNCOATED BARS IN TENSION

** BASED ON MATERIALS AND CONDITIONS AS FOLLOWS:
fy = 60,000 psi fc' = 5000 psi OR GREATER
CLEAR COVER≥ 1.5 INCHES NORMAL WEIGHT CONCRETE

BASIC DEVELOPMENT LENGTH ℓ_d				BAR SIZE	CLASS B SPLICE LENGTH 1.3 x ℓ_d			
CLEAR SPACING≥ 3"		CLEAR SPACING <3"			CLEAR SPACING≥ 3"		CLEAR SPACING <3"	
BASIC	TOP *	BASIC	TOP *		BASIC	TOP *	BASIC	TOP *
1'-0"	1'-0"	1'-0"	1'-4"	# 3	1'-0"	1'-3"	1'-4"	1'-8"
1'-0"	1'-3"	1'-7"	2'-1"	# 4	1'-3"	1'-8"	2'-1"	2'-9"
1'-3"	1'-7"	2'-4"	3'-0"	# 5	1'-7"	2'-0"	3'-0"	3'-11"
1'-6"	1'-11"	3'-1"	4'-0"	# 6	1'-11"	2'-5"	4'-0"	5'-2"
2'-5"	3'-1"	4'-11"	6'-4"	# 7	3'-1"	4'-0"	6'-4"	8'-3"
3'-0"	3'-11"	6'-0"	7'-9"	# 8	3'-11"	5'-1"	7'-9"	10'-1"
3'-8"	4'-9"	6'-9"	8'-9"	# 9	4'-9"	6'-3"	8'-9"	11'-4"
4'-6"	5'-10"	7'-7"	9'-10"	# 10	5'-10"	7'-7"	9'-10"	12'-9"
5'-5"	7'-0"	8'-5"	10'-11"	# 11	7'-0"	9'-1"	10'-11"	14'-2"

* TOP REINFORCEMENT IS ANY HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE REINFORCEMENT.

**FOR MATERIALS OR CONDITIONS DIFFERENT FROM THOSE STATED, LENGTHS SHOWN IN CHART SHALL BE MODIFIED TO CONFORM TO THE PROVISIONS OF ACI 318-14, SECTION 25.3.

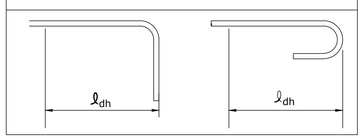
DEVELOPMENT LENGTH OF STANDARD HOOKS

FOR UNCOATED BARS IN TENSION

fy = 60,000 psi fc' = 5000 psi OR GREATER

BAR SIZE	DEVELOPMENT LENGTH, ℓ_{dh}	
	BASIC	W/ CONC. COVER *
#3	8"	6"
#4	10"	7"
#5	1'-0"	9"
#6	1'-3"	11"
#7	1'-5"	1'-0"
#8	1'-7"	1'-2"
#9	1'-10"	1'-4"
#10	2'-1"	1'-6"
#11	2'-3"	1'-7"

* SIDE COVER NORMAL TO PLANE OF HOOK AT LEAST 2 1/2"; AND FOR 90° HOOK, END COVER BEYOND OUTSIDE END OF HOOK AT LEAST 2".



GENERAL STRUCTURAL NOTES:

1. THESE NOTES ARE GENERAL AND SUPPLEMENT THE SPECIFICATIONS. THESE NOTES APPLY TO THE ENTIRE PROJECT UNLESS MODIFIED OR NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.
2. STANDARD DETAILS SHALL BE USED WHEN REFERRED TO OR WHEN NO MORE RESTRICTIVE OR DIFFERENT DETAILS ARE SHOWN ON THE DRAWINGS.
3. DESIGN SHALL BE ACCORDANCE WITH AND CONSTRUCTION SHALL COMPLY WITH THE PROVISIONS OF NEW YORK CITY BUILDING CODE. THE DESIGN LOADS AND OTHER DESIGN VALUES GIVEN IN NOTES WERE USED FOR DESIGN OF STRUCTURES UNLESS NOTED OTHERWISE ON THE DRAWINGS.
4. LIVE LOAD:

STRUCTURE	ROOF
MANHOLE	HS-20

5. STRUCTURAL DIMENSIONS NOT SHOWN BUT CONTROLLED BY OR RELATED TO EQUIPMENT SHALL BE VERIFIED BY THE CONTRACTOR WITH THE MANUFACTURER PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING INFORMATION IN THE FIELD AS REQUIRED FOR NEW WORK. IF A CONFLICT IS FOUND BETWEEN DIFFERENT PORTIONS OF THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. CONTINUED CONSTRUCTION OF THE AREA IN CONFLICT SHALL BE AT THE CONTRACTOR'S OWN RISK UNTIL THE CONFLICT IS RESOLVED.
7. EQUIPMENT ANCHOR BOLT SIZES, TYPES, EMBEDMENT AND PATTERNS SHALL BE VERIFIED WITH THE MANUFACTURER. ALL BOLT PATTERNS SHALL BE TEMPLATED TO INSURE ACCURACY OF PLACEMENT.
8. STRUCTURAL DRAWINGS SHALL BE USED IN COORDINATION WITH OTHER CONTRACT DRAWINGS AND MANUFACTURER'S SHOP DRAWINGS.
9. STRUCTURES SHALL BE DESIGNED FOR OPERATIONAL LOADS ON THE COMPLETED STRUCTURE. DURING CONSTRUCTION, THE STRUCTURES SHALL BE PROTECTED BY BRACING AND TEMPORARY SUPPORTS WHEREVER EXCESSIVE CONSTRUCTION LOADS MAY OCCUR. OVERSTRESSING ANY STRUCTURAL ELEMENT IS PROHIBITED.
10. IF CONTRACTOR DESIRES TO TEMPORARILY PLACE OR MOVE LOADS ON OR ADJACENT TO EXISTING STRUCTURES OR UTILITIES DURING CONSTRUCTION PROCESS, CONTRACTOR IS EXCLUSIVELY RESPONSIBLE FOR MAINTAINING STRUCTURAL INTEGRITY AND AVOIDING OVERSTRESSING AND DAMAGING EXISTING STRUCTURES AND UTILITIES. CONTRACTOR SHALL SUBMIT STRUCTURAL CALCULATIONS AND DRAWINGS VERIFYING PROPOSED CONSTRUCTION INCLUDING APPLICATION OF TEMPORARY CONSTRUCTION LOADS WILL NOT OVERSTRESS OR DAMAGE EXISTING STRUCTURES AND UTILITIES. DRAWINGS AND CALCULATIONS SHALL BE SEALED BY A PROFESSIONAL ENGINEER CURRENTLY REGISTERED IN THE STATE OF NEW YORK.
11. NO BACKFILL SHALL BE PLACED AGAINST ANY SUBSTRUCTURE WALLS UNLESS ALL ADJACENT SUPPORTING ELEMENTS HAVE ACHIEVED DESIGN STRENGTH, OR WALLS HAVE BEEN PROPERLY BRACED, AND IN ANY CASE NOT SOONER THAN 28 DAYS AFTER THE PLACING OF CONCRETE UNLESS APPROVED BY THE ENGINEER. SUPPORTING ELEMENTS SHALL INCLUDE ADJACENT WALLS, SLABS, BEAMS AND COLUMNS.
12. LEAKAGE TESTING OF HYDRAULIC STRUCTURES SHALL NOT BEGIN UNTIL ALL STRUCTURAL ELEMENTS HAVE REACHED THE SPECIFIED MINIMUM CONCRETE STRENGTH. BACKFILL SHALL NOT BE PLACED AROUND ANY HYDRAULIC STRUCTURE UNTIL THE LEAKAGE TEST HAS BEEN COMPLETED UNLESS APPROVED BY THE ENGINEER.

PRECAST CONCRETE:

1. PRECAST VAULTS AND MANHOLES SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW YORK. STRUCTURAL DRAWINGS SHALL INDICATE DESIGN IS IN COMPLIANCE WITH THE NEW YORK CITY BUILDING CODE.
2. PRECAST CONCRETE STRUCTURES SHALL BE IN ACCORDANCE WITH THE CONTRACT SPECIFICATION 33 05 61, 03 04 00, 03 48 00, AND 33 46 16. ALL JOINTS SHALL BE SEALED IN ACCORDANCE TO SPECIFICATION.

CONCRETE

1. DESIGN OF CONCRETE ELEMENTS INCLUDING WALLS, FORMED SLABS, BEAMS, AND COLUMNS IS IN ACCORDANCE WITH ACI 318 (CODE REQUIREMENTS FOR STRUCTURAL CONCRETE) AND 350 (CODE REQUIREMENTS FOR ENVIRONMENTAL ENGINEERING CONCRETE STRUCTURES).
2. FOR CONCRETE MIX DESIGN SEE SPECIFICATION SECTION 03300.
3. CONCRETE STRENGTH CLASSES (28-DAY COMPRESSIVE STRENGTH):
   A. CLASS 50 PRECAST (5,000 PSI) : ALL PRECAST ELEMENTS AND STRUCTURES.
   B. CLASS 45 CONCRETE (5,000 PSI): NORMAL WEIGHT STRUCTURAL CONCRETE USED FOR CONCRETE FILL. ALL BAR REINFORCING SHALL CONFORM TO ASTM A615, GRADE 60. WHERE REINFORCEMENT IS TO BE WELDED IN ACCORDANCE WITH AWS D1.4, ASTM A706 GRADE 60 SHALL BE USED. WELDED WIRE FABRIC 4. SHALL CONFORM TO ASTM A185.
5. CONCRETE COVER FOR REINFORCING (UNLESS NOTED OTHERWISE ON THE DRAWINGS):
   A. CONCRETE DEPOSITED DIRECTLY AGAINST SOIL: 3"
   B. ALL OTHER LOCATIONS: 2"
6. SPLICES SHALL B CLASS "B" CONFORMING TO THE PROVISIONS OF ACI 318 UNLESS NOTED OTHERWISE. SPLICE LENGTH FOR TWO DIFFERENT SIZED BARS TO BE LAP SPLICED TOGETHER SHALL BE THE LENGTH OF THE LARGER BAR UNLESS NOTED OTHERWISE.
7. CONSTRUCTION JOINTS SHALL BE LOCATED AS SHOWN ON THE DRAWINGS. CONSTRUCTION JOINTS NOT SHOWN SHALL BE SUBMITTED BY THE CONTRACTOR FOR THE APPROVAL OF THE ENGINEER PRIOR TO SUBMITTING REBAR SHOP DRAWINGS.
8. ALL JOINTS WHICH ARE IN MEMBERS IN CONTACT WITH LIQUID OR BELOW GRADE SHALL HAVE A WATERSTOP. CONSTRUCTION JOINTS SHALL HAVE A 6" PVC RIBBED WATERSTOP.
9. SLABS WITH SLOPING SURFACES SHALL HAVE THE INDICATED SLAB THICKNESS MAINTAINED AS THE MINIMUM SLAB BOTTOMS CAN EITHER SLOPE WITH THE TOP SURFACE OR BE LEVEL. REINFORCEMENT IN SLABS WITH SLOPING SURFACES SHALL BE PLACED AT THE REQUIRED CLEARANCE FROM THE SLAB SURFACE.
10. ALL EXPOSED CORNERS SHALL HAVE A ¾" CHAMFER OR A ½" RADIUS TOOLED CORNER.
11. EQUIPMENT SUPPORTS, ANCHORAGES, OPENINGS, RECESSES AND REVEALS NOT SHOWN ON THE STRUCTURAL DRAWINGS BUT REQUIRED BY OTHER CONTRACT DOCUMENTS, SHALL BE PROVIDED FOR PRIOR TO PLACING CONCRETE.
12. REINFORCING BARS AND ACCESSORIES SHALL NOT BE IN CONTACT WITH ANY MENTAL PIPE, PIPE FLANGE, METAL CONDUIT, OR OTHER METAL PARTS EMBEDDED IN CONCRETE. A MINIMUM CLEARANCE OF 2" SHALL BE PROVIDED.
13. DOWELS, ANCHOR BOLTS, PIPES, WATERSTOPS AND OTHER EMBEDDED ITEMS SHALL BE HELD SECURELY IN POSITION WHILE CONCRETE IS BEING PLACED.
14. CONDUITS AND OTHER SIMILAR ITEMS EMBEDDED IN OR PENETRATING THROUGH CONCRETE SHALL BE SPACED ON CENTER NOT LESS THAN 3 TIMES THEIR OUTSIDE DIMENSION, NOT LESS THAN 2 ½" CLEAR. WHEN SUCH ITEMS ARE EMBEDDED IN WALLS OR SLABS, THEY SHALL NOT OCCUPY MORE THAN 1/3 OF THE MEMBER THICKNESS.
15. DRILL IN ADHESIVE DOWELS AND CONCRETE ANCHORS (WHERE DOWELS OR ANCHORS ARE SHOWN TO BE PLACED INTO HARDENED CONCRETE):
   A. THE DRILL HOLE DIAMETER SHALL BE NO LARGER THAN 1/8" GREATER THAN THE DIAMETER OF THE REINFORCING BAR AT THE DEFORMATIONS FOR DOWELS. THE HOLE DIAMETER SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS FOR ANCHORS.
   B. THE MINIMUM EMBEDMENT SHALL BE 12 BAR DIAMETERS, UNLESS NOTED OTHERWISE.
   C. ADJUST THE LOCATION OF THE DOWEL OR ANCHOR AS NEEDED TO AVOID DRILLING THROUGH ANY REINFORCING BARS. IF THE LOCATION NEEDS TO BE MODIFIED, CONTACT THE ENGINEER. CONTRACTOR SHALL USE NON-DESTRUCTIVE MEANS TO FIELD LOCATE REINFORCEMENT PRIOR TO DRILLING HOLES FOR DOWELS OR ANCHORS.
16. CLEAR DISTANCE FROM ANCHOR RODS TO ANY CONCRETE EDGE SHALL BE 4" MINIMUM UNLESS NOTED OTHERWISE.
17. CONCRETE COMPRESSIVE STRENGTH TESTS SHALL BE AVAILABLE ON THE JOB SITE FOR REVIEW BY THE ENGINEER.

NYC Environmental Protection

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GREEN INFRASTRUCTURE RETROFIT OF MULTIPLE SITES

DRAWING TITLE
SITE DETAILS - 3

DESIGNED BY	DRAWN BY	CHECKED BY
F. NOORAI	S. KUMAR	J. PARK

B-SCAN

SCALE N.T.S.

DATE

DRAWING NO. C602

CONTRACT NO.

SHEET No. 3 OF 3 SHEETS