NEW YORK CITY ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL PLANNING & ANALYSIS

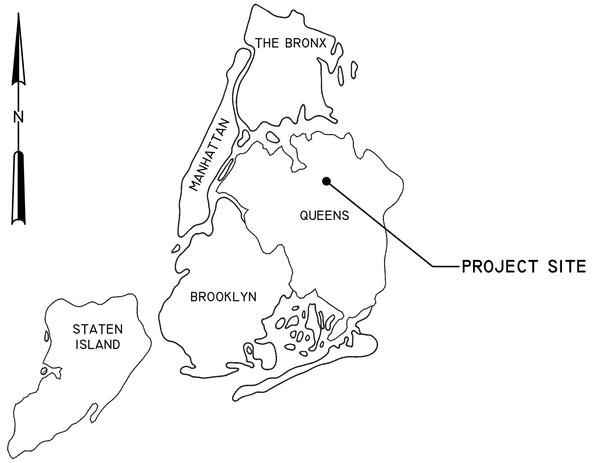
# ON-SITE GREEN INFRASTRUCTURE
# FLUSHING BAY CSO TRIBUTARY AREA
# OUTFALL TI-10
# DEP CAPITAL CONTRACT NO. GQ-P-FMPG

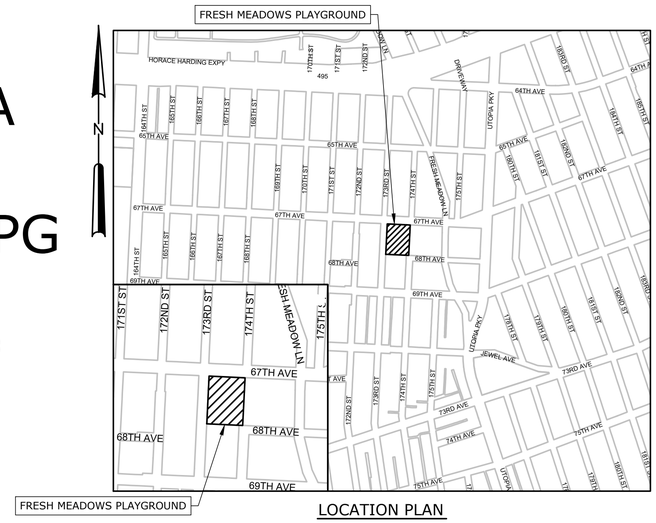
## Q314 - FRESH MEADOWS PLAYGROUND

## BBL 4069270022

## QUEENS, NY

## BID SUBMISSION
## NOVEMBER 2026




LOCATION PLAN

| SHEET LIST | |
|---|---|
| Sheet Number | Sheet Title |
| G001 | COVER SHEET |
| S001 | TOPOGRAPHIC SURVEY PLAN |
| C100 | TREE PROTECTION, STAGING, AND ACCESS PLAN |
| C101 | REMOVAL / DEMOLITION PLAN |
| C200 | PROPOSED GREEN INFRASTRUCTURE LAYOUT PLAN |
| C201 | MATERIALS PLAN |
| C300 | SECTIONS AND PROFILES |
| C600 | SITE DETAILS - 1 |
| C601 | SITE DETAILS - 2 |

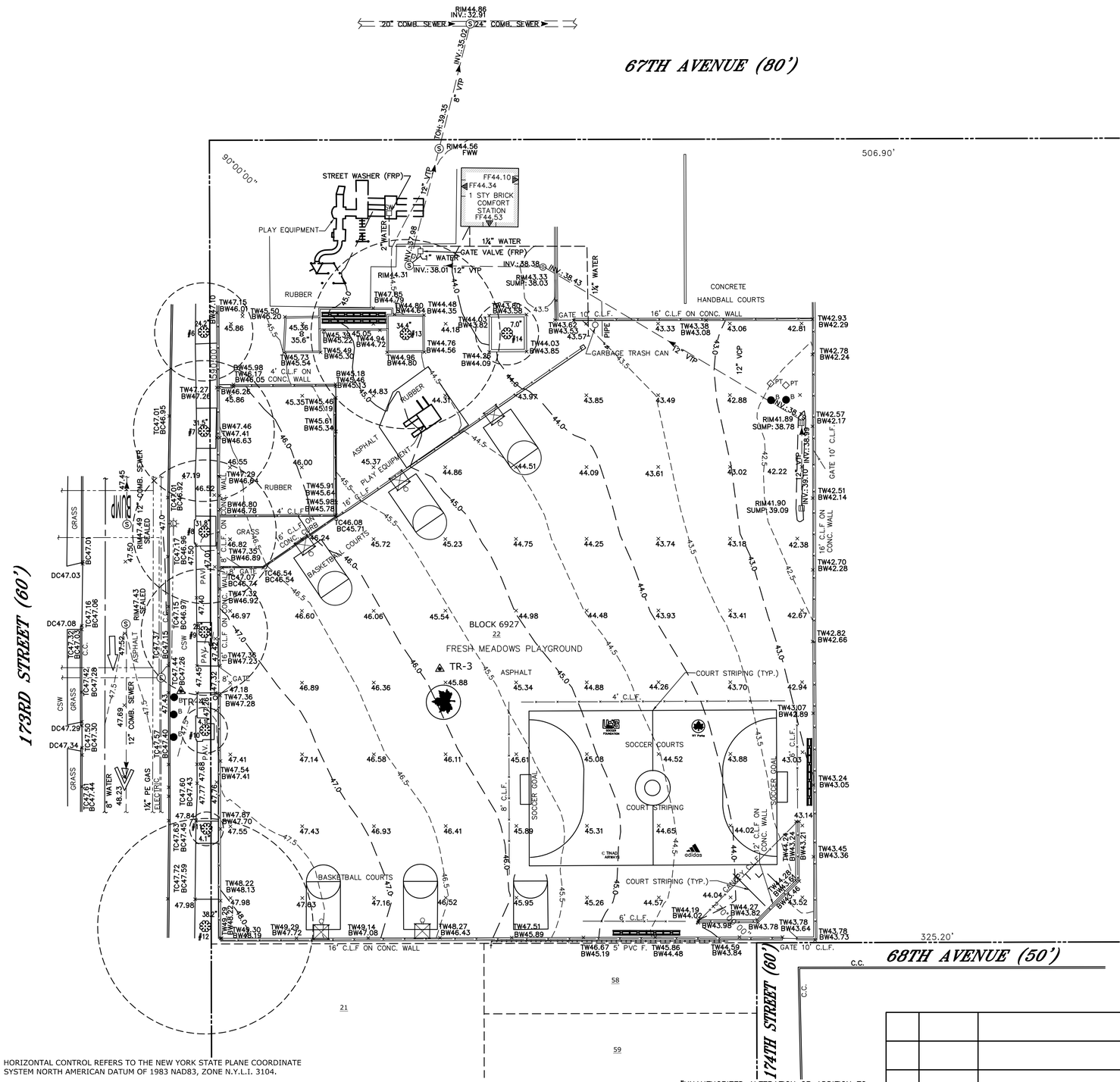
John McLaughlin — Digitally signed by John McLaughlin, Date: 2026.11.02 10:06:09 -05'00'

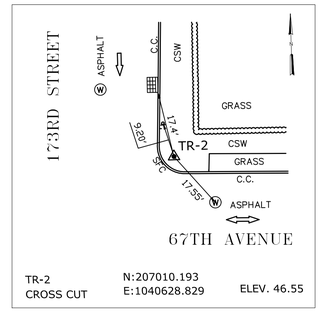
JOHN MCLAUGHLIN
MANAGING DIRECTOR
OFFICE OF ECOSYSTEM SERVICES, GREEN INFRASTRUCTURE AND RESEARCH
BUREAU OF ENVIRONMENTAL PLANNING & ANALYSIS, NYCDEP

Lisa F. Garcia — Digitally signed by Lisa F. Garcia, Date: 2026.10.30 13:47:30 -04'00'

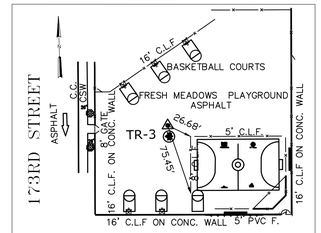
LISA F. GARCIA
COMMISSIONER
NYCDEP

File = C:\pwworkgdata\f01\d27\i4627\i27i314_01_0001_Cover Sheet.Saved Date = 6/4/2026 2:28 PM
PLOT DATE: 6/17/2026 3:11 PM BY: MBROUH

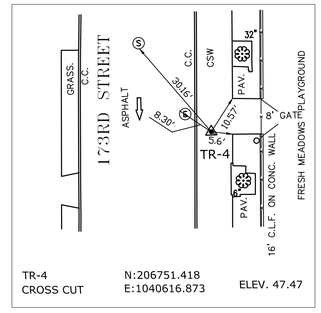



TR-2 CROSS CUT — N:207010.193 E:1040628.829 — ELEV. 46.55




TR-3 CROSS CUT — N:206754.681 E:1040707.324 — ELEV. 45.84




TR-4 CROSS CUT — N:206751.418 E:1040616.873 — ELEV. 47.47

## TIES

N.T.S.

NOTES:

1. HORIZONTAL CONTROL REFERS TO THE NEW YORK STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM OF 1983 NAD83, ZONE N.Y.L.I. 3104.
2. ALL ELEVATIONS SHOWN HEREON REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
3. THIS MAP WAS PREPARED FROM DATA COLLECTED BY AN ACTUAL FIELD SURVEY CONDUCTED DURING JUNE 2021 BY MUNOZ ENGINEERING & LAND SURVEY D.P.C.
4. NAVD88 IS 1.625 FEET BELOW QUEENS HIGHWAY DATUM
5. LOCATIONS, EXTENT AND SIZES OF UNDERGROUND UTILITIES AND SUBSTRUCTURES HAVE BEEN DETERMINED FROM RECORD INFORMATION, SUPPLEMENTED BY DATA OBTAINED IN THE FIELD. ACCURACY OF THIS UTILITY DATA IS NOT GUARANTEED, NOR IS THERE ANY GUARANTEE THAT ALL EXISTING UTILITIES AND SUBSTRUCTURES, WHETHER FUNCTIONAL OR ABANDONED, ARE SHOWN ON THIS MAP.

"UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF ARTICLE 134 SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW"

"Copies from the original of this survey map not marked with an original of the land surveyor's inked seal or his embossed seal shall not be considered a valid true copy."

0 10' 20' 40' 60'

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 · ANGELO JOHN FIORENTINO · 049468 · LICENSED LAND SURVEYOR

PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF FRESH MEADOWS PLAYGROUND
FLUSHING BAY CSO TRIBUTARY AREA
SOUTH OF 67TH AVENUE BETWEEN EAST 173RD STREET.

DRAWING TITLE
TOPOGRAPHIC SURVEY

| DESIGNED BY | DRAWN BY | CHECKED BY |
|---|---|---|
| N/A | K.O. | J.J. |

B-SCAN

SCALE 1"=20'-0"

DRAWING NO. S001

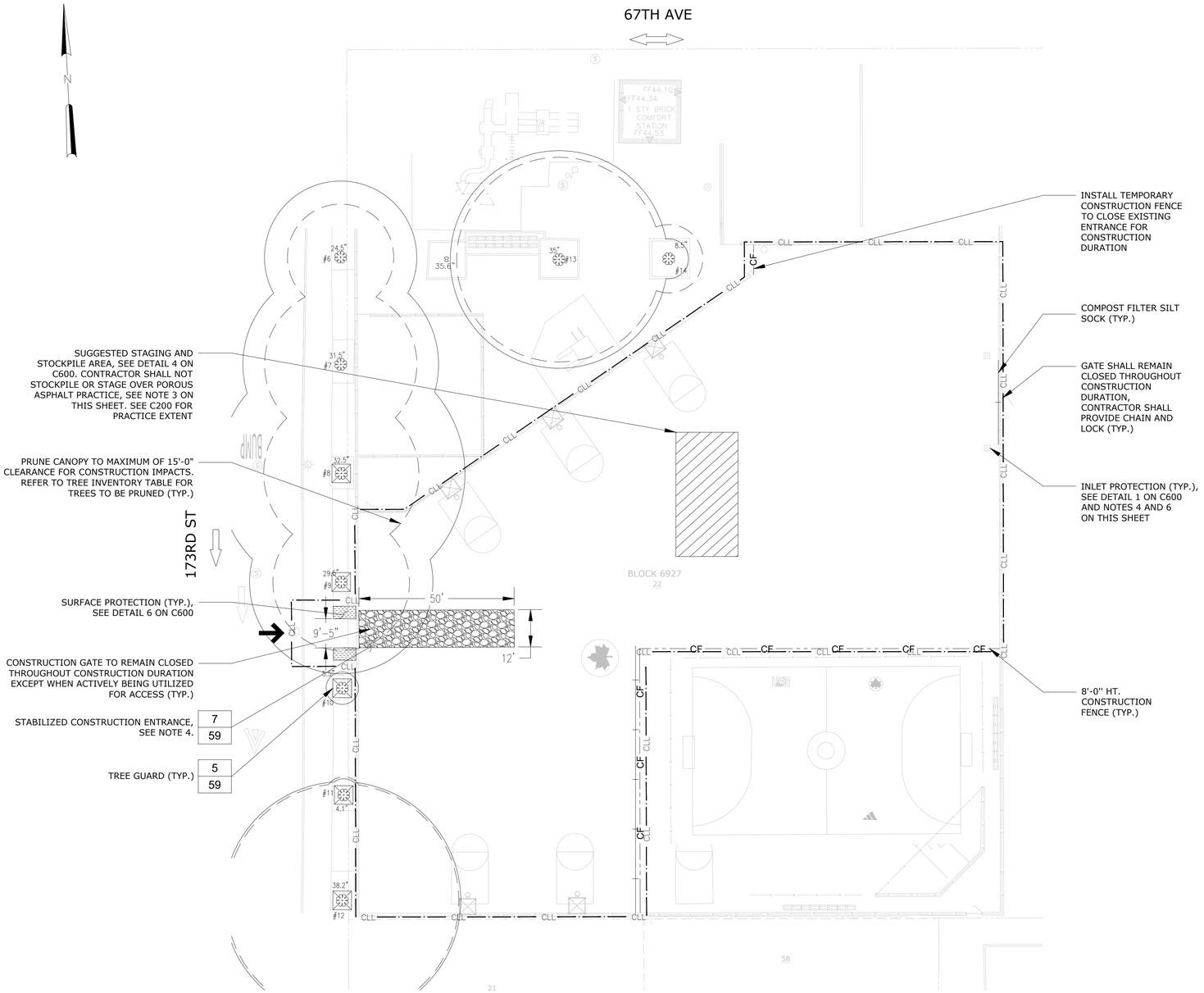
DATE JULY 2021

BLOCK 6927

LOT 22

CONTRACT NO. GQ-P-FRME

SHEET No. 2 OF ## SHEETS




| 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 | | |
| 6 | OAK, PIN | 25 | 75% | 24.5 | | | | | | | | | | | | | | | | | | | | | | |
| 7 | OAK, PIN | 32 | 100% | 31.5 | | | | | | | | | | | | | | | | | | | | | | |
| 8 | OAK, WHITE | 33 | 63% | 32.5 | | | | | X | | | | | | X | | | | | | | | | | | |
| 9 | OAK, PIN | 30 | 100% | 29.5 | | | | | X | | | | | | X | | | | | | | | | | | |
| 10 | GOLDENRAIN TREE | 6 | 100% | 6.9 | | | | | X | | | | | | X | | | | | | | | | | | |
| 11 | UNKNOWN DEAD TREES | 4 | 100% | 3.0 | | | | | | | | | | | | | | | | | | | | | | |
| 12 | OAK, PIN | 38 | 100% | 38.2 | | | | | X | | | | | | X | | | | | | | | | | | |
| 13 | OAK, PIN | 35 | 75% | 35.0 | | | | | | | | | | | | | | | | | | | | | | |
| 14 | OAK, PIN | 9 | 100% | 6.4 | | | | | | | | | | | | | | | | | | | | | | |

**PHASE # 0: Site Preparation**
**STAGE # 0:**

| CONSTRUCTION ACTIVITY (in sequential order) | PRACTICE(S) INSTALLED PRIOR TO ACTIVTY[1] | PRACTICE(S) INSTALLED DURING ACTIVTY[1] | PRACTICE(S) INSTALLED WITHIN ONE BUSINESS DAY OF COMPLETING ACTIVTY[1] |
|---|---|---|---|
| Installation of ESC features | None | Inlet Protection<br>Compost Filter Sock | None |
| Tree Protection | Inlet Protection<br>Compost Filter Sock | Wooden Tree Guards | None |

[1] *List the ESC practice or Pollution Prevention measures that will be installed in the appropriate chronological category. Repeat all practices that will be installed for each activity as necessary.*

**PHASE # 1: Construction**
**STAGE # 1:** Click or tap here to enter text.

| CONSTRUCTION ACTIVITY (in sequential order) | PRACTICE(S) INSTALLED PRIOR TO ACTIVTY[1] | PRACTICE(S) INSTALLED DURING ACTIVTY[1] | PRACTICE(S) INSTALLED WITHIN ONE BUSINESS DAY OF COMPLETING ACTIVTY[1] |
|---|---|---|---|
| Excavate porous asphalt practice area | Inlet Protection<br>Compost Filter Socks | Dust Control | None |
| Construction of porous asphalt practice | Wooden Tree Guards | None | None |
| Mill and overlay rest of MPPA area within contract limits | | Dust Control | None |
| Remove temporary ESC measures | | None | None |

## LEGEND

- TREE GUARD
- STAGING AREA
- SURFACE PROTECTION
- CONSTRUCTION ACCESS/ENTRANCE
- CF — CF — 8'-0" HT. CONSTRUCTION FENCE
- SILT SOCK
- CLL — CONTRACT LIMIT LINE
- TREE CRITICAL ROOT ZONE
- TREE DRIPLINE

## NOTES

1. SEE GENERAL NOTES FOR TREE PROTECTION NOTES.
2. THE TREE PROTECTION ZONE (T.P.Z.) SHALL CONSIST OF THE CRITICAL ROOT ZONE AND/OR THE CANOPY DRIPLINE; WHICHEVER EXTENT IS GREATER.
3. 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.
4. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL REMAIN UNTIL ALL EXCAVATED AREAS ARE STABILIZED AND FINAL PAVEMENT HAS BEEN PLACED.
5. IF EXISTING CURB AT THE CONSTRUCTION ENTRANCE IS DAMAGED, EXISTING ROADWAY PAVEMENT ENVELOPE (TOP COURSE AND BASE COURSE) SHALL BE SAWCUT, REMOVED AND REPLACED A MINIMUM OF 1'-6" WIDTH WITH NEW PAVEMENT TO MATCH EXISTING PAVEMENT ENVELOPE.
6. INSTALL INLET PROTECTION ON ALL DRAINAGE STRUCTURES WITHIN THE CONTRACT LIMIT LINE.
7. TREE PROTECTION PLAN BASED ON UPDATED TREE INVENTORY PERFORMED BY SITEWORKS IN JULY 2025.
8. TREE PROTECTION SHALL BE CONFIRMED BY NYC PARKS DURING PRE-CONSTRUCTION WALKTHROUGH. CONTRACTOR SHALL NOT INSTALL TREE PROTECTION MEASURES UNTIL APPROVED BY NYC PARKS.

## MAINTENANCE AND PROTECTION OF TRAFFIC NOTES

1. SEE COMPLETE LIST OF SPECIAL STIPULATIONS AND GENERAL NOTES IN THE OCMC FILE NO. CEC-24-335 DATED 9/30/2024.
2. THE CONTRACTOR SHALL HAVE FLAGGERS POSITIONED IN FRONT AND BEHIND CONSTRUCTION VEHICLES WHILE TRAVERSING AREAS ACCESSIBLE BY THE PUBLIC.
3. WORK HOURS ARE 7A.M.-6P.M. MONDAY THROUGH FRIDAY IF SCHOOL IS NOT IN SESSION. WORK HOURS ARE 9A.M.-2P.M. MONDAY THROUGH FRIDAY IF SCHOOL IS IN SESSION. THE CONTRACTOR MUST NOTIFY P.S. 173 FRESH MEADOWS A MINIMUM OF FOUR (4) WEEKS PRIOR TO MOBILIZING. THIS SITE IS A JOINTLY OWNED PLAYGROUND. WORK HOURS AND DAYS MAY BE ADJUSTED BY NYC PARKS AND DEPARTMENT OF EDUCATION.
4. THE CONTRACTOR MAY OCCUPY 50 L.F. OF PARKING LANE 8'-0" ADJACENT TO EAST CURB TO STORE MATERIALS DURING WORK HOURS ONLY. THE CONTRACTOR SHALL RETURN THE FULL WIDTH OF THE ROADWAY AFTER WORK HOURS.
5. THE CONTRACTOR MUST MAINTAIN A 5'-0" WIDE WALKWAY ON THE SIDEWALK DURING WORK HOURS. THE CONTRACTOR SHALL RETURN THE FULL WIDTH OF THE SIDEWALK AFTER WORK HOURS.
6. THE CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAYS OF ALL PROPERTY OWNERS AT ALL TIMES.

20 10 0 20'
1"=20'

| NO. | DATE | ISSUED FOR | BY |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

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
HDR

BLOCK 6927
LOT 22

PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF FRESH MEADOWS PLAYGROUND
FLUSHING BAY CSO TRIBUTARY AREA
173RD STREET BETWEEN 67TH AVENUE AND 69TH AVENUE

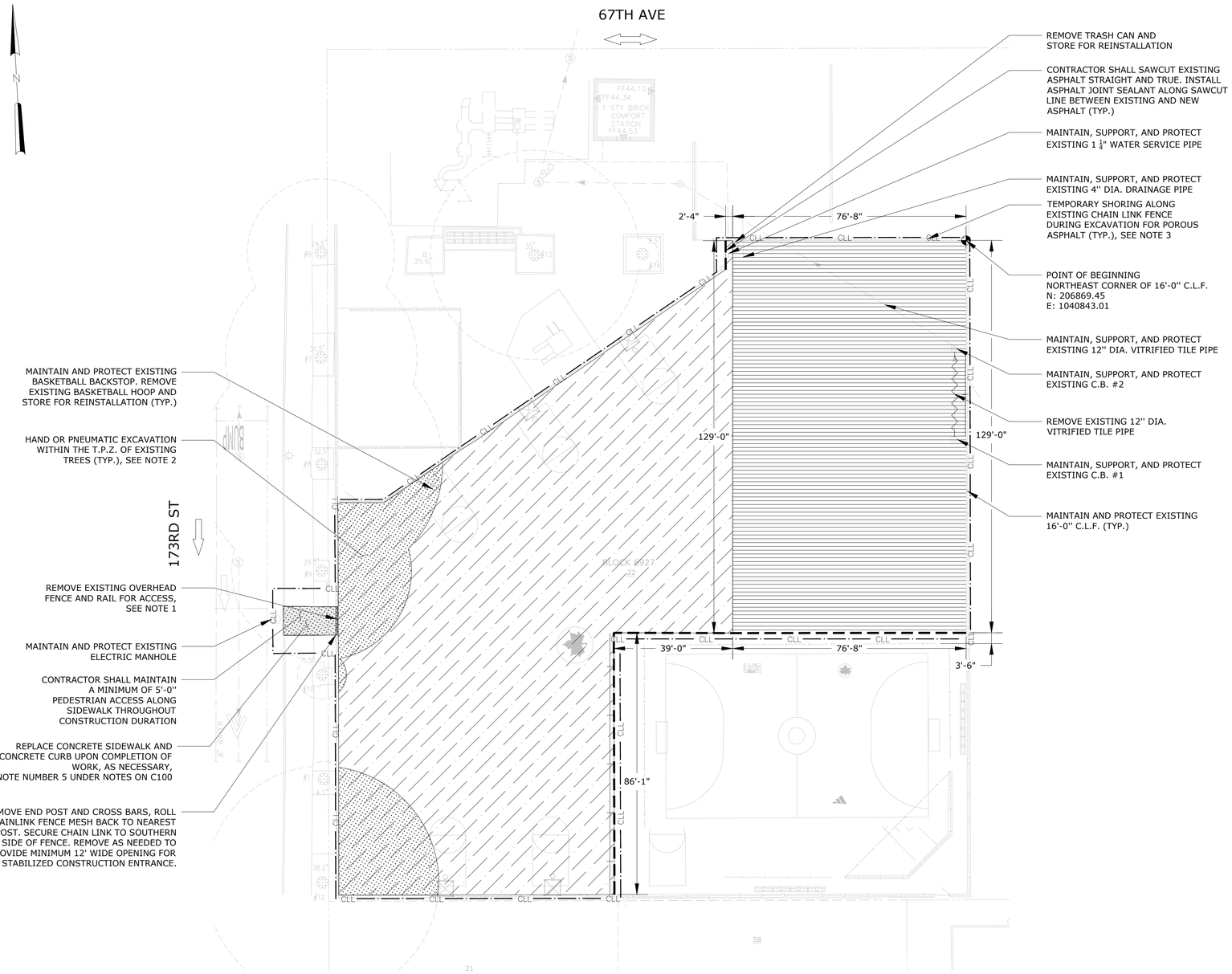
DRAWING TITLE
TREE PROTECTION, STAGING, AND ACCESS PLAN

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

B-SCAN | SCALE 1" = 20' | DRAWING NO. C100 | CONTRACT NO. GQ-P-FMPG

DATE JUNE 2026

SHEET No. 3 OF 7 SHEETS




## NOTES

1. REMOVE, STORE, AND MAINTAIN ALL CHAIN LINK FENCE PANEL AND POST 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. CONTRACTOR SHALL FULLY EXCAVATE AND EXPOSE NO MORE THAN 15 L.F. OF ASPHALT PAVEMENT ALONG THE C.L.F. CURBLINE AT ANY ONE TIME. THE CONTRACTOR SHALL BACKFILL AND COMPACT THE SUBSURFACE COURSES BEFORE PROCEEDING WITH ADDITIONAL EXCAVATION ALONG THE CURBLINE.

## SUGGESTED SEQUENCE OF CONSTRUCTION

ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE CONTRACT DRAWINGS AND UPON APPROVAL OF THE ENGINEER. ALL WORK SHALL BE DONE IN A MANNER TO MINIMIZE DISTURBANCE TO THE PLAYGROUND AREAS OUTSIDE OF THE CONSTRUCTION LIMITS. STAKE OUT AND RECEIVE APPROVAL FROM THE ENGINEER FOR THE LIMITS OF WORK BEFORE BEGINNING ANY CLEARING.

1. INLET PROTECTION (SEE DETAIL 1, SHEET C600) SHALL BE USED ON ALL DRAINAGE INLETS ADJACENT TO AND DOWSTREAM OF CONSTRUCTION AREA.
2. INSTALL PERIMETER EROSION CONTROL MEASURES INCLUDING CONSTRUCTION LIMIT FENCING AROUND THE WORK AREA. INSTALL ALL TREE PROTECTION.
3. PERFORM PAVEMENT AND DEBRIS REMOVAL.
4. EXCAVATION AND INSTALLATION OF POROUS ASPHALT PRACTICE SHALL BE PERFORMED ALONG WITH ALL ASSOCIATED APPURTENANCES.
5. BACKFILL, AS PER CONTRACT SPECIFICATIONS, TO THE FINAL ELEVATIONS SHOWN ON THE CONTRACT DRAWINGS.
6. RESURFACE AND REPAINT MULTIPURPOSE PAVEMENT AREA AS PER THE CONTRACT DRAWINGS.
7. ONCE ALL AREAS HAVE BEEN STABILIZED, REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.

## LEGEND

- EXCAVATION - POROUS ASPHALT PRACTICE
- EXCAVATION - FULL DEPTH ASPHALT REMOVAL
- CONCRETE SIDEWALK AND STEEL FACED CURB REMOVAL
- HAND EXCAVATION (VERIFY LIMITS IN FIELD BASED ON CONFIRMED T.P.Z.)
- FENCE REMOVAL
- SAWCUT PAVEMENT
- PIPE REMOVAL
- POINT OF BEGINNING

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 FRESH MEADOWS PLAYGROUND
FLUSHING BAY CSO TRIBUTARY AREA
173RD STREET BETWEEN 67TH AVENUE AND 69TH AVENUE

DRAWING TITLE
REMOVAL / DEMOLITION PLAN

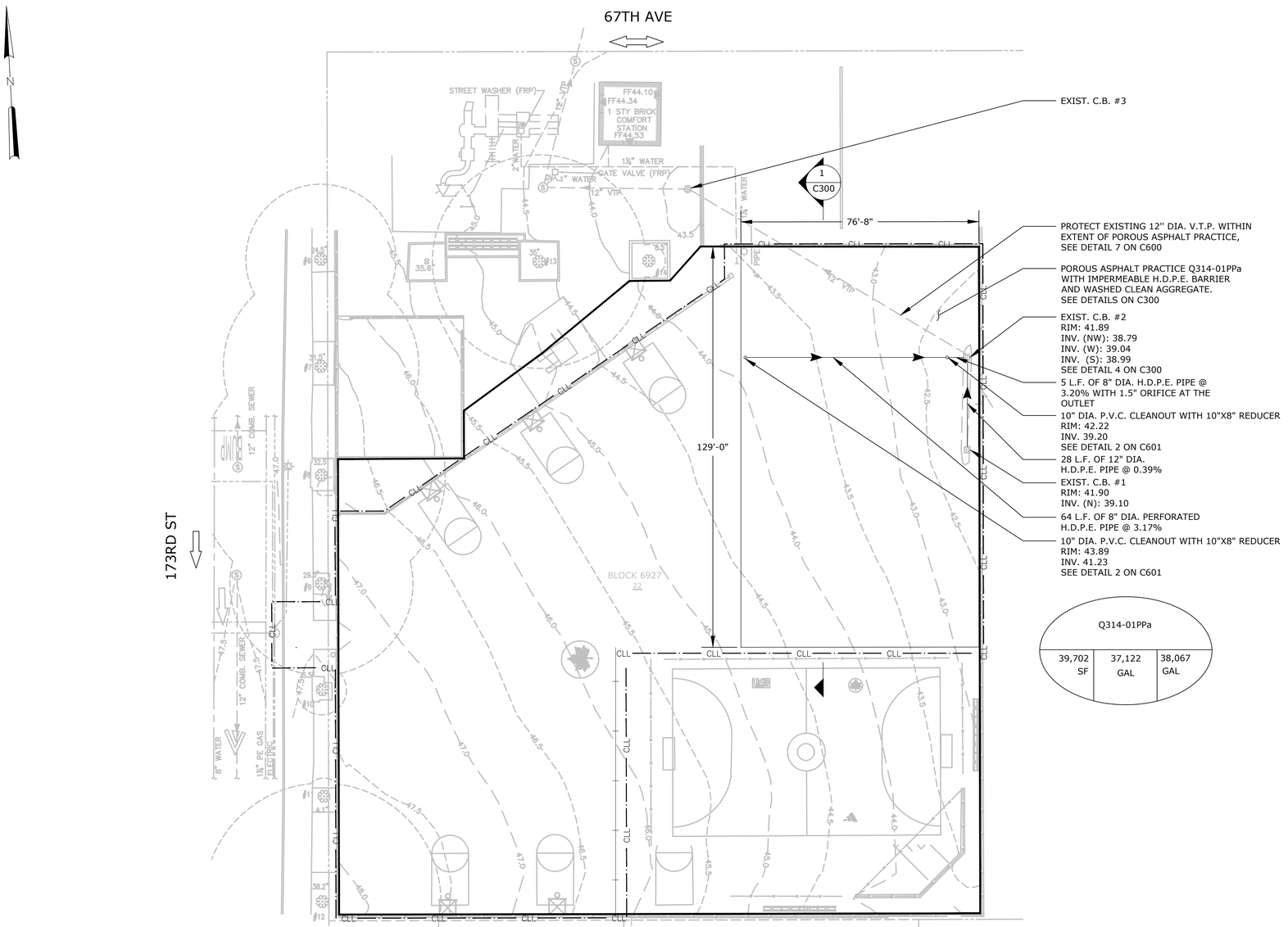
| DESIGNED BY | DRAWN BY | CHECKED BY |
|---|---|---|
| S. RANA | S. RANA | M. BRODERICK |

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

DATE JUNE 2026

BLOCK 6927
LOT 22

SHEET No. 4 OF 7 SHEETS




## NOTES

1. SEE C300 FOR PROFILE OF GREEN INFRASTRUCTURE PRACTICE.
2. CONTRACTOR TO MATCH EXISTING FINISHED GRADE OVER ENTIRE PROJECT AREA UNLESS NOTICEABLE PONDING AREAS ARE ENCOUNTERED.
3. 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 PERIMETER FENCELINE.
4. PER SPECIFICATIONS 01 32 10 PROGRESS SCHEDULE AND 33 05 05.33 DOUBLE RING INFILTROMETER TESTING, CONTRACTOR SHALL REPORT THE DOUBLE RING INFILTROMETER TESTING RESULTS TO THE ENGINEER FOR REVIEW. IF THE PERMEABILITY RATES ARE EQUAL TO OR ABOVE 0.5 IN/HR, CONTRACTOR SHALL INSTALL GEOTEXTILE-DRAINAGE IN PLACE OF THE IMPERMEABLE H.D.P.E. BARRIER ON THE SOUTH AND WEST SIDES OF THE PRACTICE. IMPERMEABLE H.D.P.E. BARRIER SHALL REMAIN ON THE NORTH AND EAST SIDES OF THE PRACTICE TO LIMIT LATERAL INFILTRATION.

## LEGEND

- GREEN INFRASTRUCTURE PRACTICE DRAINAGE AREA
- CLEANOUT
- DRAINAGE PIPE

| GREEN INFRASTRUCTURE TYPE | | |
|---|---|---|
| TRIBUTARY AREA | CAPACITY OF 1.5" EVENT CAPTURE | TOTAL CAPACITY OF GI |
| Q314-01PPa | | |
| 39,702 SF | 37,122 GAL | 38,067 GAL |

| GI ID | GI Asset Data | | | | | Stormwater Storage Calculations | | | | Total Stormwater Managed (Infiltration + Storage) | | | | | As Built 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 | 8 in. Dia. Perforated Underdrain (0.35 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 | Double Ring Infiltrometer Permeability Coefficient | Calculated Volume of Rainfall Captured | Calculated Volume of Rainfall Captured |
| | sf | cf | sf | ft | in/hr | cf | ft | % | cf | cf | cf | % | cf | gal | in/hr | cf | gal |
| Q314-01PPa | 39702 | 4962.8 | 9894 | 411 | 0.22 | 24.2 | 1.33 | 40 | 5089.2 | 1531.4 | 5089.2 | 103% | 6620.6 | 49522.0 | N/A | N/A | N/A |

1" = 20'

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

| NO. | DATE | ISSUED FOR | BY |
|---|---|---|---|
| | | | |

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

HDR

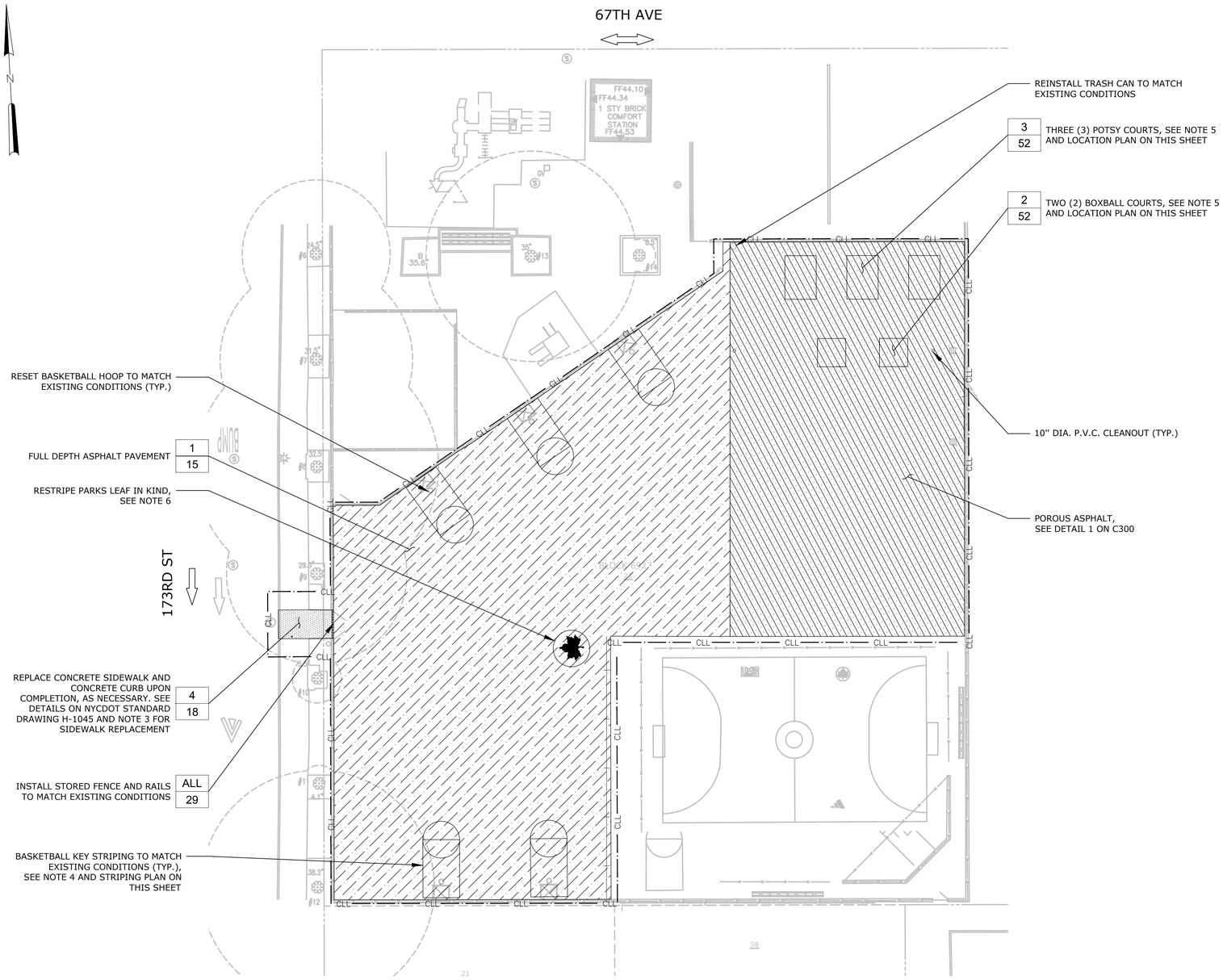
BLOCK 6927
LOT 22

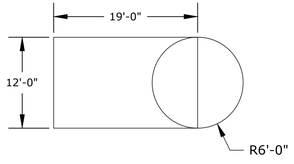
PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF FRESH MEADOWS PLAYGROUND
FLUSHING BAY CSO TRIBUTARY AREA
173RD STREET BETWEEN 67TH AVENUE AND 69TH AVENUE

DRAWING TITLE
PROPOSED GREEN INFRASTRUCTURE LAYOUT PLAN

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

| B-SCAN | SCALE | DRAWING NO. | CONTRACT NO. |
|---|---|---|---|
| | 1" = 20' | C200 | GQ-P-FMPG |
| | DATE: JUNE 2026 | | SHEET No. 5 OF 7 SHEETS |




BASKETBALL KEY PAVEMENT STRIPING PLAN

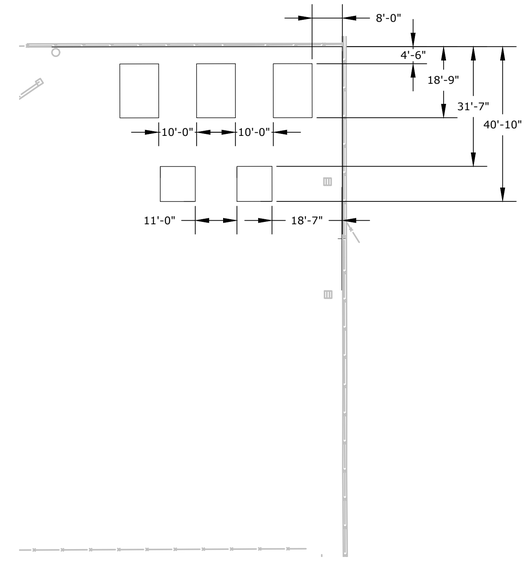
NOT TO SCALE

## NOTES

1. SEE C200 FOR ELEVATIONS OF DRAINAGE STRUCTURES.
2. CONTRACTOR SHALL STOCKPILE ALL CHAIN LINK COMPONENTS REMOVED TO FACILITATE CONSTRUCTION. LOST OR DAMAGED COMPONENTS SHALL BE REPLACED TO NYC PARKS STANDARDS AT NO ADDITIONAL COST TO THE AGENCY.
3. THE SIDEWALK TYPE TO BE DETERMINED AFTER EXCAVATION TO VERIFY IT IS REINFORCED (TYPE III) OR UNREINFORCED (TYPE I).
4. COLOR SEAL FOR BASKETBALL KEYS SHALL BE WITH WHITE STRIPING WITH RED COLOR SEAL TO MATCH EXISTING CONDITIONS.
5. PAINTED GAMES SHALL BE WHITE STRIPING WITH NO COLOR SEAL.
6. PARKS LEAF SHALL BE WHITE STRIPING WITH GREEN COLOR SEAL FOR LEAF AND RED COLOR SEAL FOR CIRCLE FILL. REFER TO PARKS LEAF IN DETAIL 2 ON STANDARD DRAWING 45A FOR REFERENCE.

## LEGEND

- POROUS ASPHALT
- FULL DEPTH ASPHALT PAVEMENT
- SIDEWALK AND CURB REPLACEMENT
- FENCE REPLACEMENT
- CLEANOUT




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

PAINTED GAMES LOCATION PLAN

20 10 0 20'
1"=20'

| NO. | DATE | ISSUED FOR | BY |
|---|---|---|---|
| | | | |

BLOCK 6927
LOT 22

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

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

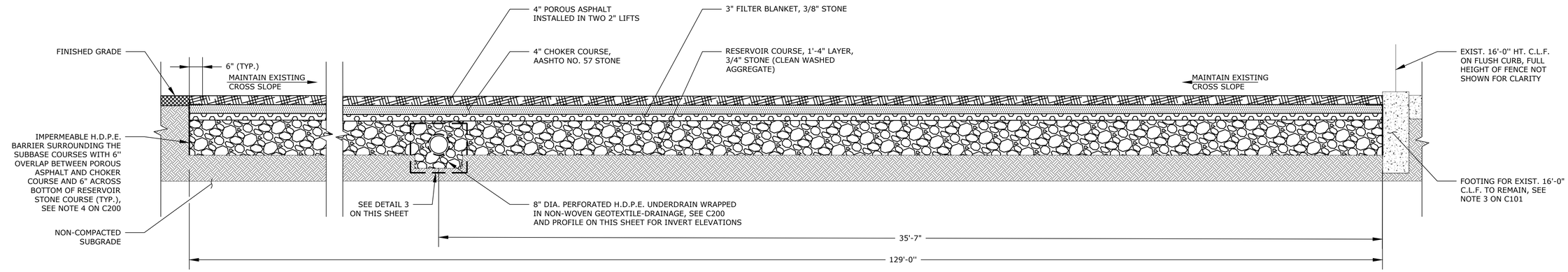
PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF FRESH MEADOWS PLAYGROUND
FLUSHING BAY CSO TRIBUTARY AREA
173RD STREET BETWEEN 67TH AVENUE AND 69TH AVENUE

DRAWING TITLE
MATERIALS PLAN

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

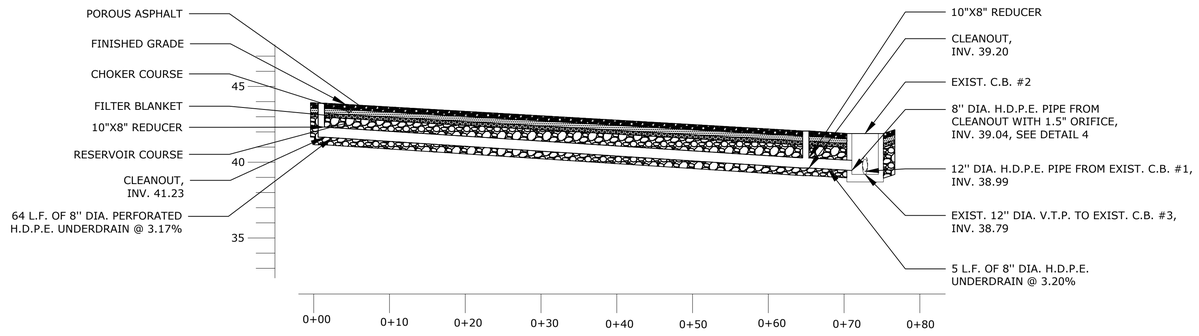
B-SCAN

SCALE: 1" = 20'
DRAWING NO.: C201
CONTRACT NO.: GQ-P-FMPG
DATE: JUNE 2026
SHEET No. 6 OF 7 SHEETS



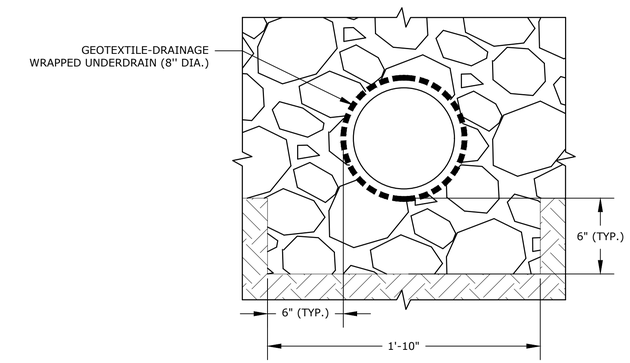

## 1 SECTION - POROUS ASPHALT PRACTICE

1"=2' 2 1 0 2'



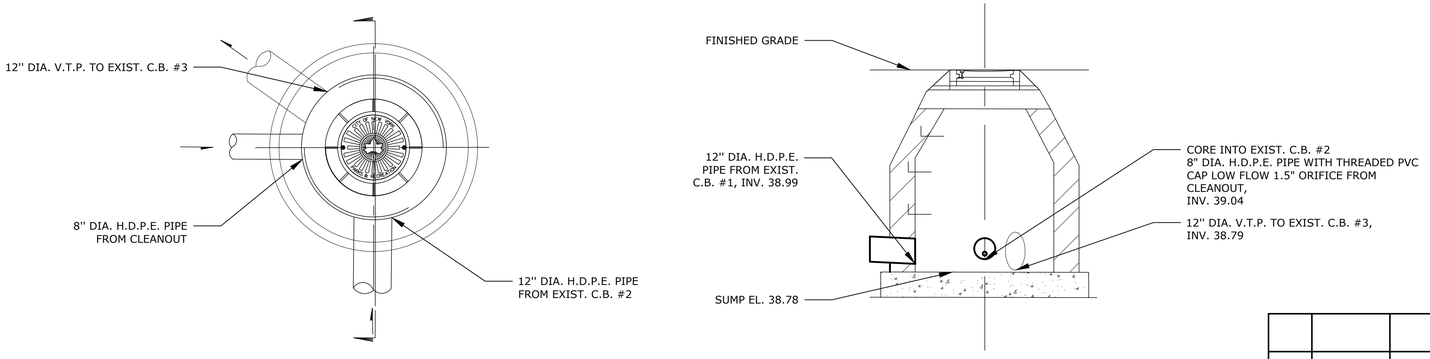

## 2 DRAINAGE PROFILE - CLEANOUT TO EXIST. C.B. #2

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




## 3 DETAIL - POROUS ASPHALT UNDERDRAIN

1"=0.5' 1 0.5 0 0.5'




NOTES:

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

## 4 EXISTING CATCH BASIN #2

1"=2' 2 1 0 2'

| 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

BLOCK 6927
LOT 22

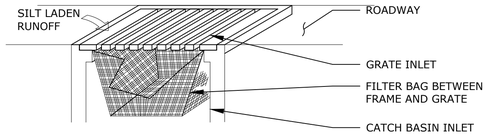
PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF FRESH MEADOWS PLAYGROUND
FLUSHING BAY CSO TRIBUTARY AREA
173RD STREET BETWEEN 67TH AVENUE AND 69TH AVENUE

DRAWING TITLE
SECTIONS AND PROFILES

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

B-SCAN

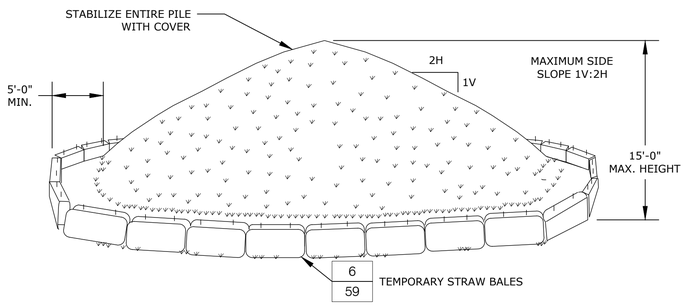
SCALE: N.T.S.
DATE: JUNE 2026
DRAWING NO.: C300
CONTRACT NO.: GQ-P-FMPG
SHEET No. 7 OF 7 SHEETS




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.
4. OVERFLOW PORT SHALL BE PROVIDED ON INLET PROTECTION.

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.

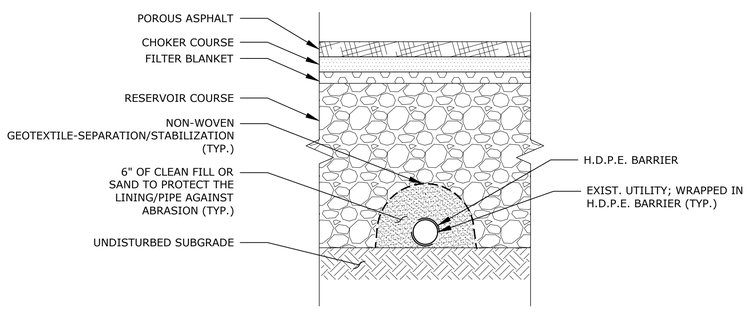
## 1 INLET PROTECTION
NOT TO SCALE



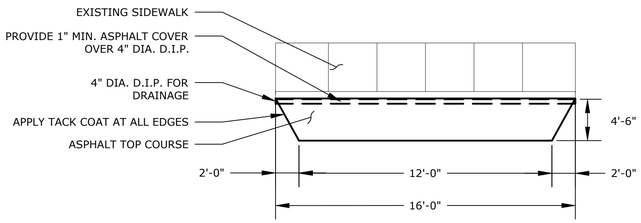

STOCKPILE NOTES:
1. THE GROUND SURFACE WHERE SOIL WILL BE STOCKPILED SHALL BE COVERED WITH A MINIMUM OF .25MM OR 2 LAYERS OF .15 MM H.D.P.E. BARRIER, OR AN EQUIVALENT MATERIAL. IN ADDITION, PRIOR TO THE END OF EACH WORK DAY, STOCKPILES SHALL BE COMPLETELY COVERED WITH THE H.D.P.E. BARRIER. STOCKPILE 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

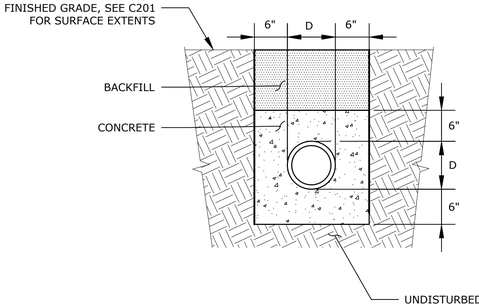



## 7 UTILITY PROTECTION
NOT TO SCALE




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

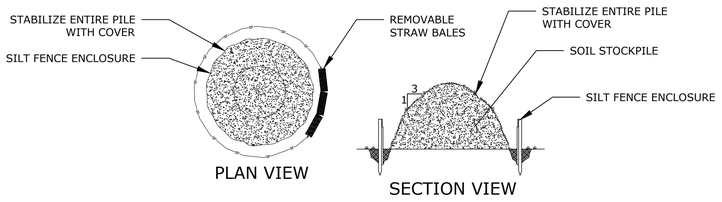
## 2 TEMPORARY ASPHALT RAMP
NOT TO SCALE




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



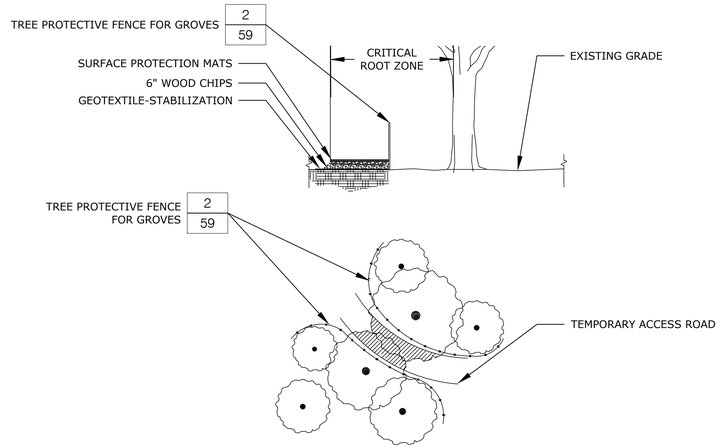

STOCKPILE NOTES:
1. SOIL REMOVED DURING SITE PREPARATION SHALL BE STOCKPILED ON-SITE AT A MAXIMUM SLOPE OF 3:1.

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

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

| NO. | DATE | ISSUED FOR | BY |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

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

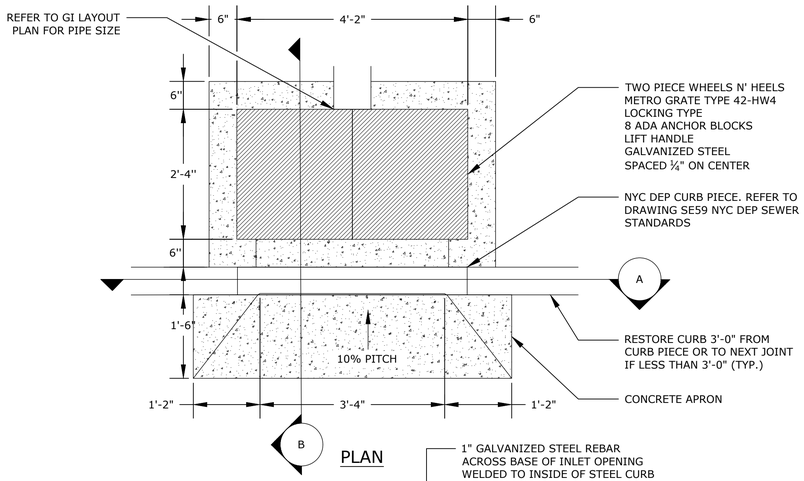
BLOCK
LOT

PROJECT TITLE
GREEN INFRASTRUCTURE RETROFIT OF MULTIPLE SITES

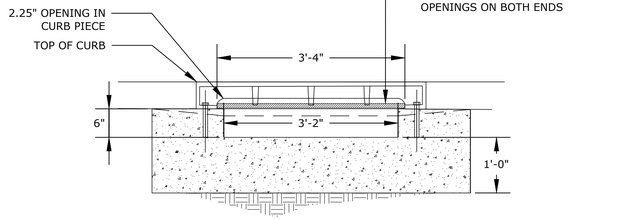
DRAWING TITLE
SITE DETAILS - 1

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

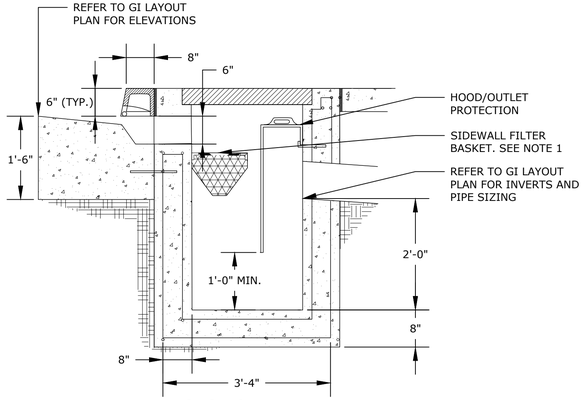
| B-SCAN | SCALE | DRAWING NO. | CONTRACT NO. |
|---|---|---|---|
| | N.T.S. | C600 | |
| | DATE | | SHEET No. 1 OF 3 SHEETS |




PLAN



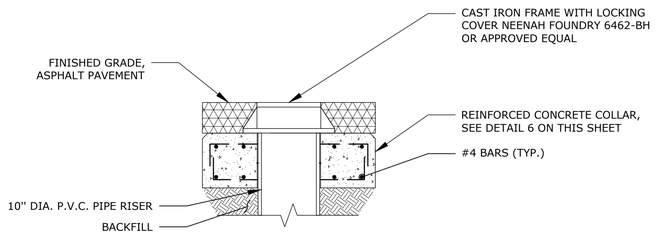

SECTION - A



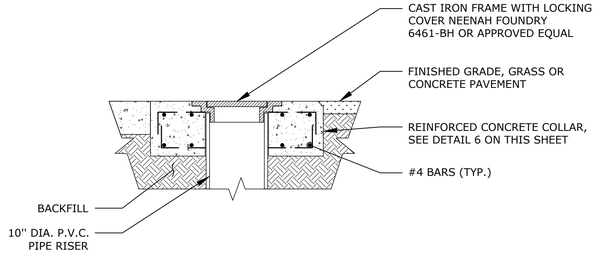

SECTION - B

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

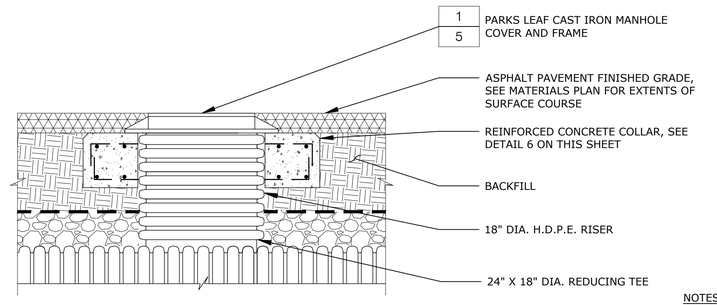
1 MODIFIED CURB INLET TYPE A
NOT TO SCALE




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

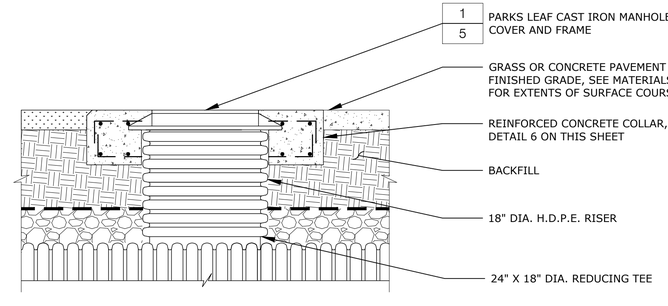



3 10" DIA. P.V.C. CLEANOUT WITH CONCRETE COLLAR AT GRADE
NOT TO SCALE



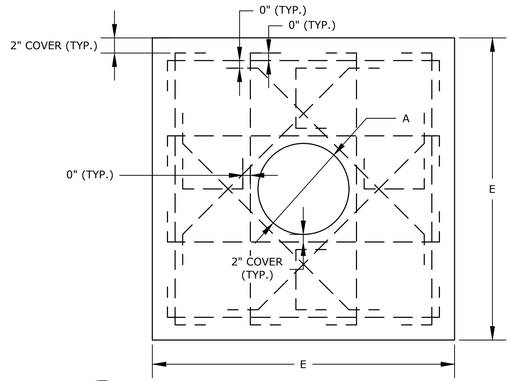

NOTES
CONCRETE COLLAR SHALL BE CONSTRUCTED SUCH THAT THE LIVE LOAD IS TRANSMITTED TO THE SURROUNDING SOIL AND NOT DIRECTLY TO THE RISER BASED ON ANTICIPATED LOADING.

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

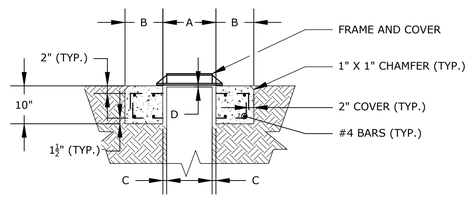



NOTES
CONCRETE COLLAR SHALL BE CONSTRUCTED SUCH THAT THE LIVE LOAD IS TRANSMITTED TO THE SURROUNDING SOIL AND NOT DIRECTLY TO THE RISER BASED ON ANTICIPATED LOADING.

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" |

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

| 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 |