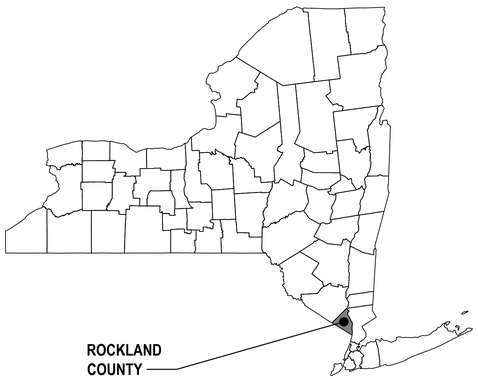
VEOLIA WATER NEW YORK, INC.
ROCKLAND COUNTY, NEW YORK
PFAS TREATMENT FOR GRANDVIEW WELL NO. 67/78

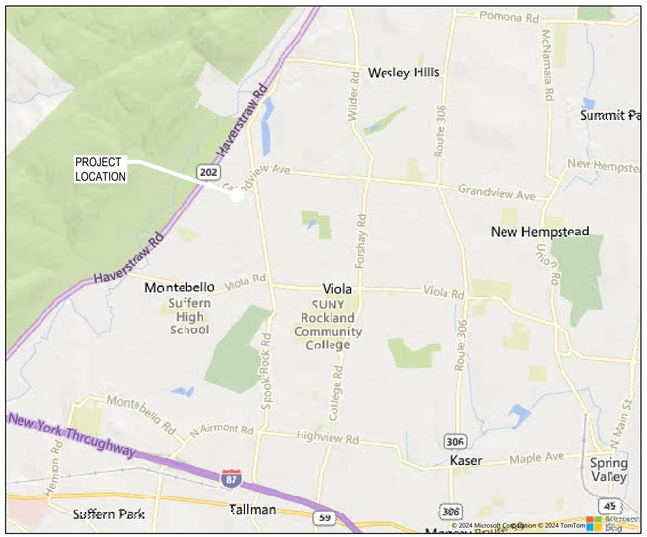
FOR APPROVAL

SEPTEMBER 2026

12646436



AREA MAP



LOCATION MAP

NOT FOR CONSTRUCTION

No.	Issue	Checked	Approved	Date
D	LOCAL REGULATORY REVIEW/FOR APPROVAL	CM	NH	09/29/26
C	LOCAL REGULATORY REVIEW/FOR APPROVAL	CM	NH	08/26/26
B	LOCAL REGULATORY REVIEW/FOR APPROVAL	CM	NH	07/06/26
A	LOCAL REGULATORY REVIEW/FOR APPROVAL	CM	NH	06/09/26

Author **S. PIKE** Drafting Check **D. FINLEY** Project Manager **N. HYDE**

Designer **S. PIKE** Design Check **C. MEEHAN** Project Director **J. SURTI**

Notes

Underground facilities, structures, and utilities have been plotted from available surveys and records, and therefore their locations must be considered approximate only. There may be others, the existence of which is presently not known.

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Bar is one inch on original size sheet

0 1"

STATE OF NEW YORK · NICHOLAS J. HYDE · 109499 · LICENSED PROFESSIONAL ENGINEER

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Client **VEOLIA WATER NEW YORK, INC.**

Project **PFAS TREATMENT FOR GRANDVIEW WELL NO. 67/78**

Project No. **12646436** Date **SEPTEMBER 2026** Scale **NTS**

Title **COVER SHEET**

Size **ARCH D**

Sheet No. **GN-001**

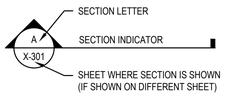
Plot Date: 28 September 2026 - 4:15 PM Plotted By: Sean Pike Path and Filename: C:\ADSK\ACCDocs\GHD Services Pty Ltd\12646436-Veolia-Gview-SRiver\Project Files\01 - Grandview\01 WIP\Gen\Sheets\12646436-GHD-GV-DRG-00-GN-001.dwg

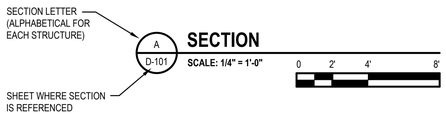
GENERAL LEGEND

NEW GRAPHICS; EQUIPMENT, STRUCTURES, ETC., ARE SHOWN AS BOLD LINEWORK AND IN THIS TEXT FORMAT.

EXISTING GRAPHICS; EQUIPMENT, CONDITIONS STRUCTURES, ETC. ARE SHOWN AS LIGHT LINEWORK AND IN THIS TEXT FORMAT. FUTURE GRAPHICS ARE SHOWN WITH A DASHED LINE.

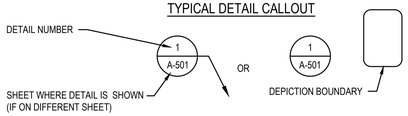
TYPICAL SECTION MARKS (FOR PLANS)



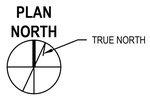




TYPICAL DETAIL CALLOUT



NORTH INDICATOR



ABBREVIATIONS:

ADD'L	ADDITIONAL
AFF	ABOVE FINISHED FLOOR
ADJ	ADJUSTABLE
AGGR	AGGREGATE
ALLOW	ALLOWANCE
ALT	ALTERNATE
ALUM	ALUMINUM
ARCH	ARCHITECT OR ARCHITECTURAL
ASSY	ASSEMBLY
APPROX	APPROXIMATE
BLDG	BUILDING
BLK	BLOCK
BOT or B	BOTTOM
CF	CUBIC FEET
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CIP	CAST IRON PIPE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONN	CONNECTION
CY	CUBIC YARD
CL	CLEAR
?	CENTER LINE
CONC	CONCRETE
CONT	CONTINUOUS
CPVC	CHLORINATED POLYVINYL CHLORIDE
CL JT	CONTROL JOINT
DIM	DIMENSION
DL	DEAD LOAD
DIA, Ø	DIAMETER
DIP	DUCTILE IRON PIPE
DWL	DOWEL
EF	EACH FACE
EA	EACH
EL or ELEV	ELEVATION
ELEC	ELECTRIC
EQ	EQUAL
EX, EXIST	EXISTING
EXT	EXTERIOR
FF	FAR FACE/ FINISHED FLOOR
FM	FORCE MAIN
FLR	FLOOR
FT	FEET
FTG	FOOTING
G	NATURAL GAS
GPM	GALLONS PER MINUTE
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
HDPE	HIGH-DENSITY POLYURETHYLENE
HWL	HIGH WATER LEVEL
HP	HORSEPOWER
INT	INTERIOR
ID	INSIDE DIAMETER
IF	INSIDE FACE
IN	INCH, INCHES
INV	INVERT
I/O	INPUT / OUTPUT
LBS	POUNDS
LF	LINEAR FEET
LL	LIVE LOAD
LWL	LOW WATER LEVEL
M	MOTOR
MGD	MILLION GALLONS PER DAY
MH	MANHOLE
MJ	MECHANICAL JOINT
MFR	MANUFACTURER
MIN	MINIMUM, MINUTE
MISC	MISCELLANEOUS
NPT	NATIONAL PIPE THREAD
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OPNG	OPENING
PCC	PORTLAND CEMENT CONCRETE
PRV	PRESSURE RELIEF VALVE
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
POLY / PE	POLYETHYLENE
?	PLATE, PROPERTY LINE
R	RADIUS
REINF	REINFORCING
REQD	REQUIRED
SF	SQUARE FOOT
SS	STAINLESS STEEL
SCH	SCHEDULE
SPEC	SPECIFICATION
SQ	SQUARE
STL	STEEL
STD	STANDARD
SYM	SYMBOL
T & B	TOP AND BOTTOM
TEL	TELEPHONE
TEMP	TEMPERATURE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UV	ULTRAVIOLET
W	WATER
WL	WATER LEVEL
W/O	WITHOUT
WWF	WELDED WIRE FABRIC

SHEET LIST

SHEET NUMBER	SHEET TITLE
GENERAL	
GN-001	COVER SHEET
GN-002	SHEET LIST
CIVIL	
CI-001	CIVIL LEGEND AND GENERAL NOTES
CI-101	EXISTING CONDITIONS PLAN
CI-102	EXISTING SITE DEMOLITION PLAN
CI-103	PROPOSED SITE PLAN
CI-103A	OVERALL PROPOSED SITE PLAN
CI-503	CIVIL DETAILS
CI-701	EROSION AND SEDIMENT CONTROL NOTES
CI-702	EROSION AND SEDIMENT CONTROL PLAN
CI-703	EROSION AND SEDIMENT CONTROL DETAILS
ARCHITECTURAL	
AR-001	LEGENDS, ABBREVIATIONS, ISOMETRIC VIEW, AND CODE COMPLIANCE
AR-201	EXTERIOR ELEVATIONS

NOT FOR CONSTRUCTION

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Author **S. PIKE** Drafting Check **D. FINLEY** Project Manager **N. HYDE**

Designer **S. PIKE** Design Check **C. MEEHAN** Project Director **J. SURTI**

Notes

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Client **VEOLIA WATER NEW YORK, INC.**

Project **PFAS TREATMENT FOR GRANDVIEW WELL NO. 67/78**

Title **SHEET LIST**

Size **ARCH D**

Project No. **12646436** Date **AUG 2026** Scale

Sheet No. **GN-002**

Plot Date: 27 August 2026 - 9:56 AM Plotted By: Cody Ford Path and Filename: C:\ADSK\ACCDocs\GHD Services Pty Ltd\12646436-Grandview & Saddle River PFAS\Project Files\01 - Grandview\01 WIP\Gen\Sheets\12646436-GHD-GV-DRG-00-GN-002.dwg

GENERAL NOTES:

1. SURVEY PROVIDED BY TECTONIC ENGINEERING CONSULTANTS, GEOLOGISTS, & LAND SURVEYORS, DPC, 70 PLEASANT HILL RD, PO BOX 37, MOUNTAINVILLE, NY 10953, DATED 12/6/2024.
   1.1. REFER TO THE SIGNED AND SEALED SURVEY FOR INFORMATION. THE SURVEY PROVIDED HEREIN IS FOR REFERENCE ONLY.
   1.2. VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988 (NAD88)
   1.3. HORIZONTAL DATUM: NEW YORK STATE PLANE, NAD83, NEW YORK EAST ZONE AND ARE BASED ON GPS OBSERVATIONS

2. THE CONTRACTOR SHALL NOTIFY THE OWNER, ENGINEER, AND APPLICABLE PERMITTING AGENCIES 72 HOURS PRIOR TO COMMENCING WORK. WORK SHALL NOT COMMENCE UNTIL ALL SUBMITTALS HAVE BEEN SUBMITTED AND APPROVED.

3. THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD AND PRESERVE ALL SURVEY CONTROL, R.O.W. MONUMENTS, AND INDIVIDUAL PROPERTY CORNER PINS / MONUMENTS IN THE AREA OF CONSTRUCTION. IF DAMAGED, CONTRACTOR SHALL HAVE SURVEYED AND REPLACED AT NO ADDITIONAL COST TO OWNER.

4. IN ACCORDANCE WITH NEW YORK STATE RULE 753 THE CONTRACTOR SHALL CALL "UDIG NEW YORK" (811) BEFORE STARTING ANY CONSTRUCTION.

5. DESCRIPTIONS, LOCATIONS, AND ELEVATIONS OF EXISTING UNDERGROUND STRUCTURES AND UTILITIES AS SHOWN ON THE PLANS AND PROFILES ARE APPROXIMATE. OTHER UNDERGROUND STRUCTURES AND UTILITIES NOT SHOWN MAY BE ENCOUNTERED. THE CONTRACTOR SHALL PERFORM TEST PITS TO VERIFY THE LOCATION AND ELEVATION OF UTILITIES AT INTERCONNECTIONS AND CROSSINGS AS SHOWN, DIRECTED OR REQUIRED. THE CONTRACTOR SHALL EXCAVATE IN ADVANCE OF THE PIPE LAYING OPERATION AND EXPOSE ALL EXISTING UNDERGROUND UTILITIES TO PREVENT DAMAGE DURING CONSTRUCTION AND TO DETERMINE REQUIRED CHANGES IN GRADE NECESSARY TO INSTALL PROPOSED PIPING TO AVOID CONFLICTS. ALERT THE ENGINEER IMMEDIATELY FOR ANY CONFLICTS BETWEEN THE EXISTING AND PROPOSED WORK.

6. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND FURNISH COPIES TO THE ENGINEER PRIOR TO COMMENCING WORK.

7. THE CONTRACTOR SHALL OBTAIN REQUIRED PERMITS FOR THE REMOVAL AND REPLACEMENT OF TREES WITHIN THE PROJECT SITE. VERIFY, IN WRITING, THE REMOVAL AND REPLACEMENT OF ANY TREES WITH THE PROPERTY OWNER.

8. THE CONTRACTORS WORK AREA SHALL BE CONFINED TO THE LIMITS OF THE PROPERTY BOUNDARIES. THE CONTRACTOR SHALL OBTAIN ANY ADDITIONAL EASEMENTS OR WORK RELEASES SHOULD THE CONTRACTOR REQUIRE ADDITIONAL AREA TO ACCOMMODATE THEIR OPERATIONS.

9. CONTRACTOR SHALL COORDINATE STAGING AREAS WITH OWNER. ALL COSTS ASSOCIATED WITH ACQUISITION AND USE OF STAGING AREAS SHALL BE THE RESPONSIBILITY OF CONTRACTOR.

10. ALL SURFACES DISTURBED BY THE CONTRACTOR WHICH ARE OUTSIDE THE WORK LIMITS OR WORK SCOPE, OR ARE SURFACES DISTURBED WITHOUT PRIOR AUTHORIZATION BY THE OWNER AND ENGINEER, SHALL BE RESTORED TO ORIGINAL CONDITIONS OR BETTER, AT THE CONTRACTOR'S EXPENSE.

11. ALL CLEARING AND GRUBBING NECESSARY FOR THE PROPOSED WORK SHALL BE PERFORMED TO THE LIMITS AND EXTENT AS IS MUTUALLY DETERMINED BY THE ENGINEER AND CONTRACTOR IN THE FIELD. EVERY EFFORT SHALL BE MADE TO MINIMIZE THE AMOUNT OF CLEARING. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR THIS WORK.

12. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PERTINENT TO THE WORK OF THE CONTRACT. NO ALLOWANCE SHALL BE MADE ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLECT ON HIS PART.

13. THE CONTRACTOR SHALL PROVIDE MAINTENANCE AND PROTECTION OF TRAFFIC IN ACCORDANCE WITH THE VILLAGE/TOWN, ROCKLAND COUNTY HIGHWAY DEPARTMENT STANDARDS AND THE NYSDOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AS REQUIRED.

14. MAINTENANCE AND PROTECTION OF TRAFFIC
   14.1. THE CONTRACTOR SHALL NOT RESTRICT ACCESS FOR EMERGENCY VEHICLES.
   14.2. THE CONTRACTOR SHALL MAINTAIN TRAFFIC THROUGHOUT THE LENGTH OF THE CONTRACT IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 619 – MAINTENANCE AND PROTECTION OF TRAFFIC OF THE NYSDOT STANDARD SPECIFICATIONS AND NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (NYSMUTCD).
   14.3. ALL WORK ZONE TRAFFIC CONTROLS SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE CURRENT NYS SUPPLEMENTS, NYSDOT STANDARD SPECIFICATIONS, NYSDOT STANDARD SHEETS, AND THE LATEST EDITION OF THE NYSDOT WORK ZONE TRAFFIC CONTROL MANUAL DATED.
   14.4. PRIOR TO THE START OF ANY CONSTRUCTION PHASE, ALL PROPOSED MAINTENANCE AND PROTECTION OF TRAFFIC RELATED WORK SHALL BE COMPLETE. THIS INCLUDES, WHERE APPLICABLE, ALL SIGNS, PAVEMENT MARKINGS, BARRIERS, DELINEATION (CONES, DRUMS, ETC.), PAVEMENT MODIFICATION AND OTHER RELATED WORK.
   14.5. THE CONTRACTOR SHALL POST WARNING SIGNS AT ALL APPROACHES TO THE PROJECT AND AT CONSTRUCTION ENTRANCES. THE CONTRACTOR SHALL PROVIDE FLAGMEN WHEN AND WHERE NECESSARY
   14.6. CONSTRUCTION INGRESS AND EGRESS
      14.6.1. THE CONTRACTOR SHALL KEEP TO A MINIMUM THE MOVEMENT OF CONSTRUCTION VEHICLES AND EQUIPMENT IN AND OUT OF THE CONSTRUCTION SITE. ONLY NECESSARY OR AUTHORIZED VEHICLES, AS DETERMINED BY THE ENGINEER, SHALL BE ALLOWED TO ENTER THE WORK AREA.

15. THE CONTRACTOR SHALL HAVE ALL EQUIPMENT, MANPOWER, AND MATERIALS REQUIRED ON SITE AND READY FOR USE PRIOR TO COMMENCING ANY SHUT-DOWN OR REMOVING ANY EXISTING FACILITIES FROM SERVICE. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED CUSTOMERS AND THE OWNER OF ANY SHUT-DOWN AT LEAST 48 HOURS IN ADVANCE. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE FIRE STATIONS 48 HOURS IN ADVANCE PRIOR TO TAKING ANY FIRE HYDRANTS OUT OF SERVICE. ANY FIRE HYDRANTS NOT IN SERVICE SHALL BE BAGGED IN BURLAP OR PLASTIC. ANY SHUT-DOWNS SHALL BE LIMITED TO 4 CONSECUTIVE HOURS. IT MAY BE NECESSARY TO SCHEDULE SHUT-DOWNS AT NIGHT, WEEKENDS, OR OTHER OFF HOURS SO AS TO NOT AFFECT SCHOOLS, BUSINESSES OR OTHER CUSTOMERS, AS DETERMINED BY THE ENGINEER. SHUT-DOWN REQUESTS SHALL BE SUBMITTED TO THE OWNER A MINIMUM OF 5 BUSINESS DAYS IN ADVANCE OF THE REQUESTED SHUT-DOWN DATE.

EARTHWORK GENERAL NOTES

16. EARTHWORK AND EXCAVATIONS SHALL BE PROTECTED PER ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES.

17. PRIOR TO EARTHWORK OPERATIONS, THE CONTRACTOR SHALL INSTALL EROSION AND SEDIMENT CONTROL MEASURES REQUIRED TO LIMIT EROSION AND SEDIMENTATION OF/FROM DISTURBED AREAS. CLEANING, DRAINING, AND CLEARING SHALL BE PERFORMED ON AN AS NEEDED BASIS, PHASED TO REDUCE EROSION POTENTIAL AND VISUAL IMPACT.

18. CLEAN AND REMOVE ALL SEDIMENT TRACKED INTO THE PUBLIC ROADWAY.

19. THE CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT AND RECOMMENDATIONS AND UNDERSTAND ALL REQUIREMENTS OF THE REPORT AND RECOMMENDATIONS PRIOR TO CONSTRUCTION.

20. IF THE MATERIAL AT THE DESIGN GRADE IS UNSUITABLE AS DETERMINED BY THE TESTING AGENCY AND ENGINEER, THE CONTRACTOR, WHEN ORDERED IN WRITING, SHALL EXCAVATE ADDITIONAL MATERIAL TO THE DEPTH NECESSARY AND SHALL BACKFILL TO THE PROPOSED GRADE WITH SELECT GRANULAR MATERIAL.

21. IF MATERIALS ARE ENCOUNTERED DURING THE CONSTRUCTION THAT ARE SUSPECTED OF BEING CONTAMINATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER, ENGINEER, AND NYSDEC FOR DIRECTION REGARDING TESTING, SEPARATION, CONTAINMENT AND DISPOSAL PROCEDURES.

22. CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN CONJUNCTION WITH NYSDOT ITEM 617.10000024 - DISPOSAL OF MATERIALS CONTAINING INVASIVE SPECIES AND NYSDOT ITEM 617.11000024 - EQUIPMENT CLEANING FOR INVASIVE SPECIES.

23. THE CONTRACTOR SHALL TEMPORARILY COLD PATCH ALL TRENCH EXCAVATIONS IN TRAVELED AREA INCLUDING ROADS, DRIVEWAYS, AND PARKING AREAS. ALL OPEN EXCAVATIONS SHALL BE ADEQUATELY MARKED AND PROTECTED PER FEDERAL, STATE, AND LOCAL CODES.

24. BLASTING WILL NOT BE PERMITTED.

UTILITIES GENERAL NOTES

25. THE CONTRACTOR SHALL FIELD LOCATE ALL SUBSURFACE UTILITIES PRIOR TO CONSTRUCTION. ALERT ENGINEER IF THERE ARE ANY CONFLICTS WITH THE PROPOSED WORK. CONTRACTOR SHALL REPAIR ANY DAMAGED UTILITY SERVICES CAUSED DURING CONSTRUCTION AT THEIR OWN EXPENSE.

26. THE CONTRACTOR SHALL VERIFY THE ROUTING AND CONNECTIONS OF EXISTING UTILITIES. PROTECT EXISTING UTILITIES THAT ARE SHOWN TO REMAIN AND ENSURE SERVICE IS NOT INTERRUPTED AND/OR REMOVED.

27. THE OWNER SHALL ONLY OPERATE EXISTING VALVES AND FIRE HYDRANTS, INCLUDING NEWLY INSTALLED VALVES AND FIRE HYDRANTS THAT HAVE BEEN PLACED INTO SERVICE. THE CONTRACTOR IS ADVISED THAT WATERTIGHT CONDITIONS MAY NOT EXIST WHEN EXISTING VALVES ARE CLOSED.

28. NO MORE THAN ONE CONNECTION MAY BE OPENED TO ANY EXISTING WATERLINE OR WATERMAIN PRIOR TO TESTING, DISINFECTION, AND APPROVAL OF THE WATERLINE INSTALLATION COMPLETED WORKS APPROVAL REPORT(S) BY THE OWNER AND THE ROCKLAND COUNTY DEPARTMENT OF HEALTH.

29. THE USE OF EXISTING FIRE HYDRANTS FOR ANY REASON IS PROHIBITED WITHOUT PRIOR APPROVAL OF THE FIRE DEPARTMENT. THIS INCLUDES NEWLY INSTALLED FIRE HYDRANTS THAT HAVE BEEN PLACED INTO SERVICE.

30. THE CONTRACTOR SHALL SUBMIT PROCEDURES FOR TESTING AND DISINFECTION OF THE WATER PIPING TO THE OWNER AND ENGINEER FOR REVIEW PRIOR TO THE START OF TESTING.

31. ALL WATER PIPING SHALL BE INSTALLED WITH A MINIMUM OF 5'-0" OF COVER.

32. ALL WATER PIPING SHALL BE INSTALLED WITH A MINIMUM OF 1'-6" OF VERTICAL CLEARANCE AND 10'-0" OF HORIZONTAL CLEARANCE FROM SANITARY AND STORM PIPING, MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING.

33. THE INSTALLATION OF 90 DEGREE BENDS IN THE WATER PIPING IS NOT ALLOWED, UNLESS APPROVED BY THE OWNER AND ENGINEER. INSTALL THRUST BLOCKS AND RESTRAINED JOINTS AT BENDS IN WATER PIPING.

34. THRUST RESTRAINT FOR WATER PIPING THROUGH 12 INCH DIAMETER SHALL CONSIST OF THRUST BLOCKS AND PIPE JOINT RESTRAINT.

35. THE CONTRACTOR SHALL BE PRESENT AND ASSIST IN THE FINAL WALK INSPECTION. THE CONTRACTOR SHALL PROVIDE SUFFICIENT PERSONNEL AND EQUIPMENT TO DEMONSTRATE TO THE ENGINEER THAT ALL VALVES, FIRE HYDRANTS AND CURB STOPS OPERATE AS REQUIRED.

36. WATERMAIN PIPING INSTALLED VIA OPEN-CUT METHODS BELOW DRIVEWAYS, ROADWAYS AND OTHER DEVELOPED SURFACES SHALL BE INSTALLED WITH FULL DEPTH SELECT BACKFILL.

37. CONTRACTOR SHALL CONTACT UTILITY COMPANIES WHEN EXCAVATING IN THE VICINITY OF EXISTING UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY EXISTING UTILITIES DAMAGED DUE TO HIS OPERATION.

38. THE CONTRACTOR SHALL NOTIFY THE APPLICABLE OWNER OF ANY EXCAVATION WORK THAT WILL TAKE PLACE WITHIN 5'-0" OF A UTILITY POLE. THE CONTRACTOR SHALL INCLUDE THE COST OF TEMPORARY POLE SUPPORT IN THE APPROPRIATE BID ITEM. WHERE UTILITY POLES ARE REQUIRED TO BE SUPPORTED DURING CONSTRUCTION, THE CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS WITH THE UTILITY COMPANY.

SURFACE WATER, FLOODWAY, FLOODPLAIN, AND WETLAND GENERAL NOTES

39. THE CONTRACTOR SHALL COMPLY WITH APPLICABLE SURFACE WATER, FLOODWAY, FLOODPLAIN, AND WETLAND FEDERAL, STATE, AND LOCAL REGULATIONS. ALERT ENGINEER IMMEDIATELY IF CONFLICT WITH PROPOSED WORK.

40. THE CONTRACTOR SHALL OBTAIN A ROCKLAND COUNTY STREAM CONTROL ACT PERMIT FROM THE ROCKLAND COUNTY DRAINAGE AGENCY (RCDA) PRIOR TO CONSTRUCTION. ALERT THE RCDA A MINIMUM OF 72 HOURS PRIOR TO COMMENCING WORK.

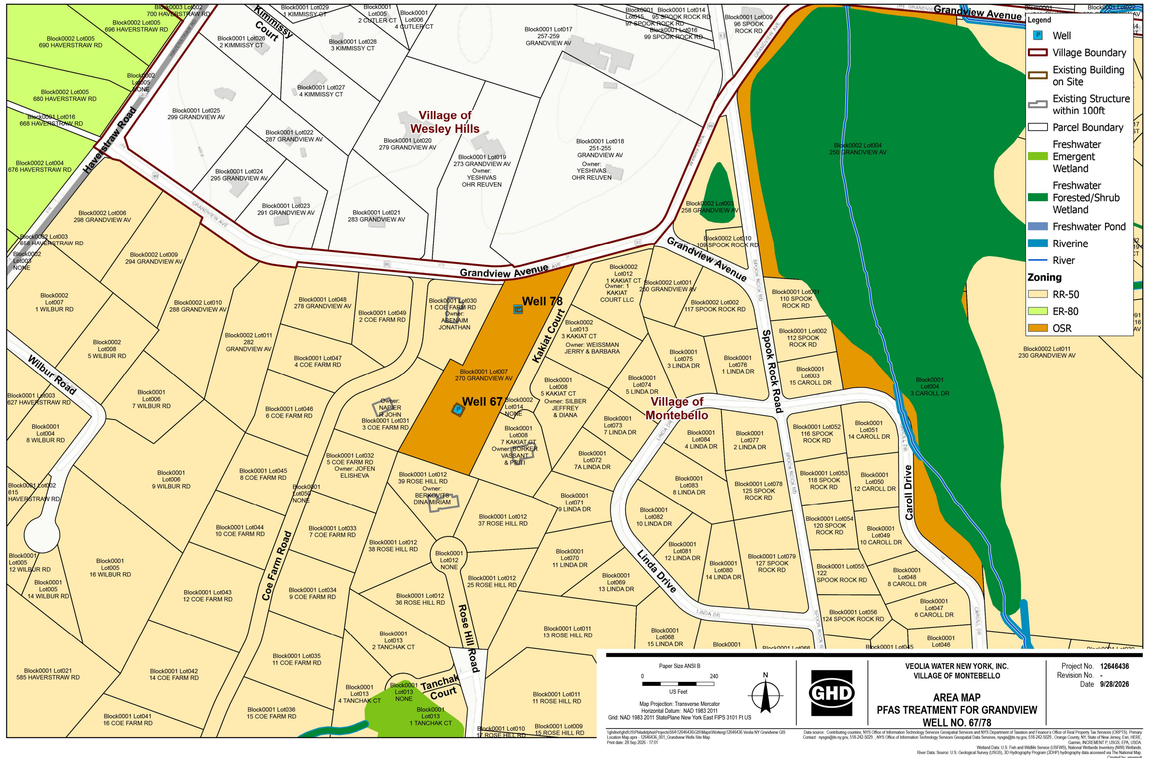
41. OBTAIN ALL APPLICABLE PERMITS FOR WORK WITHIN OR ADJACENT TO REGULATED SURFACE WATERS, FLOODWAYS/FLOODPLAINS, AND WETLANDS PRIOR TO CONSTRUCTION.

42. THE CONTRACTOR SHALL MINIMIZE ALL WORK AND DISTURBANCE ADJACENT TO SURFACE WATERS, FLOODWAYS/FLOODPLAINS, AND WETLANDS TO THE EXTENT PRACTICABLE. ALERT ENGINEER IMMEDIATELY IF WORK MUST OCCUR ADJACENT TO THESE AREAS.

43. CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES TO AVOID SEDIMENTATION INTO ADJACENT SURFACE WATERS.

AS-BUILT

44. THE CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY OF COMPLETED WORK AT THE COMPLETION OF THE PROJECT, PREPARED BY A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF NEW YORK. PROVIDE THE AS-BUILT SURVEY TO THE ENGINEER FOR REVIEW.



CIVIL LEGEND

EXISTING

- FENCE
- CONTOUR LINE (MINOR)
- CONTOUR LINE (MAJOR)
- WOODS
- PROPERTY LINE
- SETBACK LINE
- EDGE OF WATER/STREAM
- EASEMENT LINE
- 100 YEAR FLOOD PLAIN
- 100-FT FLOOD PLAIN BUFFER
- TREE LINE
- SOIL DIVIDE LINE
- SD — STORM DRAIN
- SAN — SANITARY SEWER
- W — WATER LINE
- SWALE/DITCH CENTERLINE
- OHE — OVERHEAD ELECTRICAL SERVICE LINES
- E — UNDERGROUND ELECTRICAL UTILITIES
- C — CABLE
- EXISTING STRUCTURE
- EXISTING ASPHALT PAVEMENT
- EXISTING GRAVEL PAVEMENT
- EXISTING CONCRETE

EROSION AND SEDIMENT CONTROL

- LOD — LIMIT OF DISTURBANCE
- SF — SILT FENCE
- CFS — COMPOST FILTER SOCK

EXISTING (CONT'D)

- RIPRAP
- 100-FT WETLAND BUFFER
- WETLAND
- S — SANITARY MANHOLE
- D — STORM DRAIN MANHOLE
- EPB — ELECTRIC PULLBOX
- CPB — CABLE PULLBOX
- UTILITY POLE
- GUY WIRE
- TREE
- FIRE HYDRANT
- B3 — SOIL BORING
- INF-1 — INFILTRATION TEST
- PNT_NO ELEV — SURVEY CONTROL POINT/ MONUMENT (BENCHMARK)
- WATER VALVE
- SIGN
- CO — CLEANOUT
- STORM INLET/CATCH BASIN
- RD — ROOF DRAIN
- W — WATER MANHOLE
- IRON ROD/PROPERTY CORNER

PIPING/UTILITIES

- E — ELECTRIC LINE/CONDUIT
- SAN — SANITARY SEWER LINE
- SD — STORM DRAIN LINE
- W — WATER LINE
- GENERAL PIPING (SINGLE LINED)
- GENERAL PIPING (DOUBLE LINED)
- TEE
- GATE VALVE
- CO — CLEANOUT

GENERAL SITE WORK

- DEMOLITION
- GRAVEL PAVEMENT
- ASPHALT PAVEMENT
- X — FENCE LINE
- STRUCTURE
- CONCRETE SIDEWALK/PAVEMENT
- RIPRAP
- GRASSED DEPRESSION
- TREE LINE
- 380 — MAJOR CONTOUR
- 381 — MINOR CONTOUR
- 1.25 — SPOT GRADE
- BOLLARD

CIVIL ABBREVIATIONS

BWW	BACKWASH WASTE
CO	CLEANOUT
CPB	CABLE PULL BOX
CU	COPPER
DIP	DUCTILE IRON PIPE
DRN	DRAIN
DS	DOOR SILL
EPB	ELECTRIC PULL BOX
GIN	GAC INFLUENT
GEF	GAC EFFLUENT
GV	GATE VALVE
INV	INVERT
LOD	LIMITS OF DISTURBANCE

CIVIL ABBREVIATIONS (CONT'D)

N/F	NOW OR FORMERLY
OHE	OVERHEAD ELECTRIC
PVC	POLYVINYL CHLORIDE PIPE
RCP	REINFORCED CONCRETE PIPE
PW	POTABLE WATER
SF	SILT FENCE
TYP	TYPICAL
W	WATER

APPROVAL BLOCK

NOT FOR CONSTRUCTION

No.	Issue	Checked	Approved	Date
D	LOCAL REGULATORY REVIEW/FOR APPROVAL	CM	NH	09/29/26
C	LOCAL REGULATORY REVIEW/FOR APPROVAL	CM	NH	08/26/26
B	LOCAL REGULATORY REVIEW/FOR APPROVAL	CM	NH	07/06/26
A	LOCAL REGULATORY REVIEW/FOR APPROVAL	CM	NH	06/09/26

Author **C. FORD** Drafting Check **S. PIKE** Project Manager **N. HYDE**
Designer **T. DRINKWATER** Design Check **C. MEEHAN** Project Director **J. SURTI**

Notes
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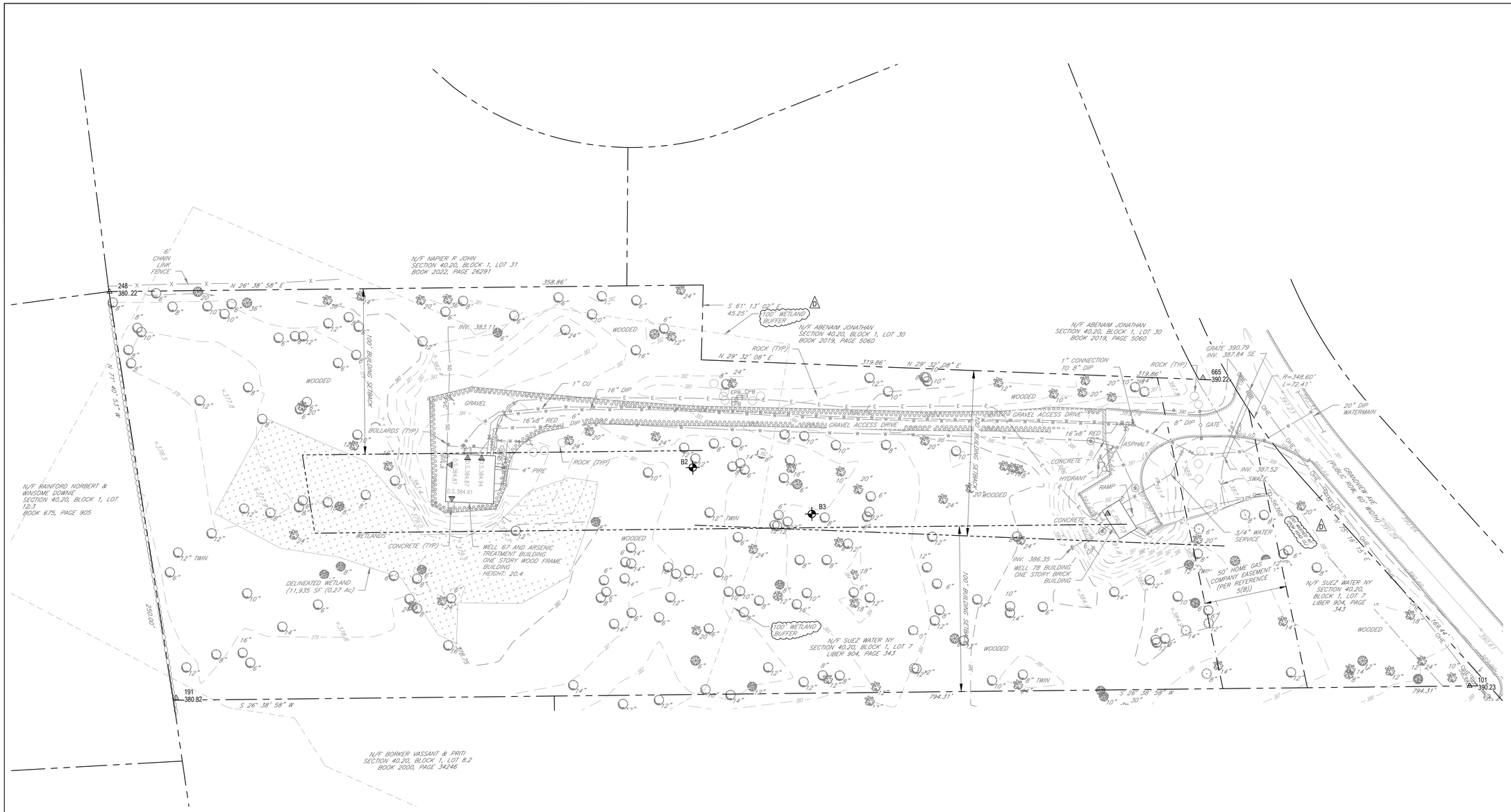
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Client **VEOLIA WATER NEW YORK, INC.**
Project **PFAS TREATMENT FOR GRANDVIEW WELL NO. 67/78**
Title **CIVIL LEGEND AND GENERAL NOTES**
Size **ARCH D**
Project No. **12646436**
Date **SEPTEMBER 2026**
Scale **NTS**
Sheet No. **CI-001**

Plot Date: 28 September 2026 - 5:06 PM Plotted By: Taylor Drinkwater Path and Filename: C:\ADSK\ACCDocs\GHD Services Pty Ltd\12646436-Veolia-Gview-SRiver\Project Files\01 - Grandview\01 WIP\Civil\Sheets\12646436-GHD-GV-DRG-00-CI-0001.dwg



CIVIL LEGEND

- CONTOUR LINE (MINOR)
- CONTOUR LINE (MAJOR)
- PROPERTY LINE
- SETBACK LINE
- EASEMENT LINE
- SD — STORM DRAIN
- W — WATER LINE
- SWALE/DITCH CENTERLINE
- OHE — OVERHEAD ELECTRICAL SERVICE LINES
- E — UNDERGROUND ELECTRICAL UTILITIES
- C — CABLE
- EXISTING STRUCTURE
- EXISTING ASPHALT PAVEMENT
- EXISTING GRAVEL PAVEMENT
- EXISTING CONCRETE
- RIPRAP
- 100-FT WETLAND BUFFER
- WETLAND
- EPB — ELECTRIC PULLBOX
- CPB — CABLE PULLBOX
- UTILITY POLE
- GUY WIRE
- TREE
- FIRE HYDRANT
- B3 — SOIL BORING
- INF-1 — INFILTRATION TEST
- PNT_NO ELEV — SURVEY CONTROL POINT/ MONUMENT (BENCHMARK)
- WATER VALVE
- SIGN
- CO — CLEANOUT
- STORM INLET/CATCH BASIN
- RD — ROOF DRAIN
- W — WATER MANHOLE
- DOOR SILL

EXISTING CONDITIONS PLAN

SCALE: 1" = 30'

0 30' 60'

BENCHMARKS				
ID	NORTHING	EASTING	ELEVATION	DESCRIPTION
101	843395.41	601925.69	390.23	MONUMENT
191	642697.98	601574.10	380.82	IRON ROD
248	842774.78	601337.64	380.22	IRON ROD
665	843337.64	601686.48	390.22	MONUMENT

NOT FOR CONSTRUCTION

No.	Issue	Checked	Approved	Date
D	LOCAL REGULATORY REVIEW/FOR APPROVAL	CM	NH	09/29/26
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A	LOCAL REGULATORY REVIEW/FOR APPROVAL	CM	NH	06/09/26

Author **C. FORD** Drafting Check **S. PIKE** Project Manager **N. HYDE**

Designer **T. DRINKWATER** Design Check **C. MEEHAN** Project Director **J. SURTI**

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Client **VEOLIA WATER NEW YORK, INC.**

Project **PFAS TREATMENT FOR GRANDVIEW WELL NO. 67/78**

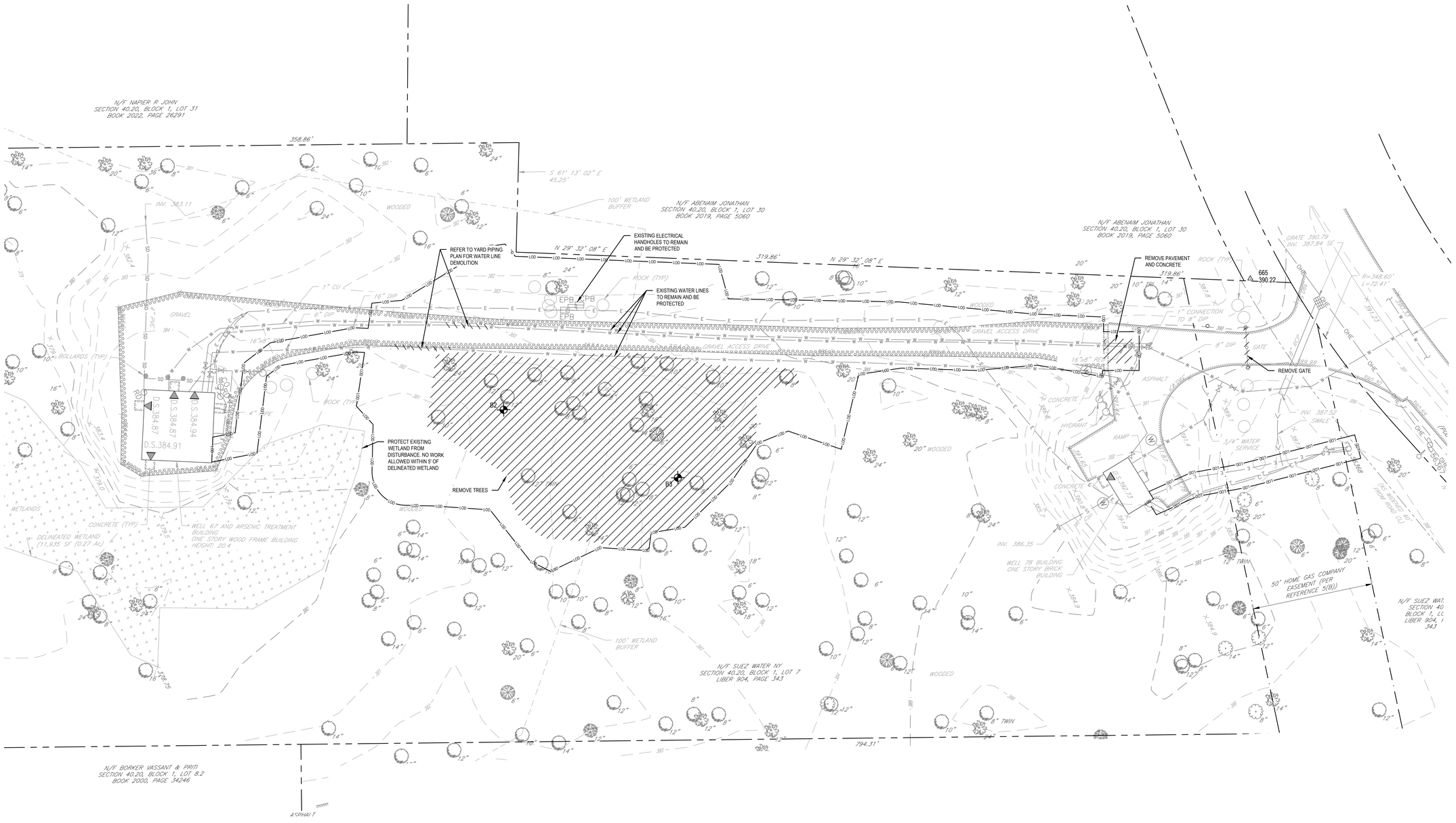
Project No. **12646436** Date **SEPTEMBER 2026** Scale **1" = 20'**

Title **EXISTING CONDITIONS PLAN**

Size **ARCH D**

Sheet No. **CI-101**

Plot Date: 28 September 2026 - 5:03 PM Plotted By: Taylor Drinkwater Path and Filename: C:\ADSK\ACCDocs\GHD Services Pty Ltd\12646436-Veolia-Gview-SRiver\Project Files\01 - Grandview\01 WIP\Civil\Sheets\12646436-GHD-GV-DRG-00-CI-0101.dwg



CIVIL LEGEND

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- CONTOUR LINE (MAJOR)
- PROPERTY LINE
- SETBACK LINE
- EASEMENT LINE
- SD — STORM DRAIN
- W — WATER LINE
- SWALE/DITCH CENTERLINE
- OHE — OVERHEAD ELECTRICAL SERVICE LINES
- E — UNDERGROUND ELECTRICAL UTILITIES
- C — CABLE
- EXISTING STRUCTURE
- EXISTING ASPHALT PAVEMENT
- EXISTING GRAVEL PAVEMENT
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- PNT_NO ELEV — SURVEY CONTROL POINT/ MONUMENT (BENCHMARK)
- WATER VALVE
- SIGN
- CO — CLEANOUT
- STORM INLET/CATCH BASIN
- RD — ROOF DRAIN
- W — WATER MANHOLE
- DEMOLITION

EXISTING SITE DEMOLITION PLAN

SCALE: 1" = 20'

0 10' 20' 40'

NOT FOR CONSTRUCTION

No.	Issue	Checked	Approved	Date
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Author **C. FORD** Drafting Check **S. PIKE** Project Manager **N. HYDE**

Designer **T. DRINKWATER** Design Check **C. MEEHAN** Project Director **J. SURTI**

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Client **VEOLIA WATER NEW YORK, INC.**

Project **PFAS TREATMENT FOR GRANDVIEW WELL NO. 67/78**

Title **EXISTING SITE DEMOLITION PLAN**

Size **ARCH D**

Project No. **12646436** Date **SEPTEMBER 2026** Scale **1" = 20'**

Sheet No. **CI-102**

Plot Date: 28 September 2026 - 4:20 PM Plotted By: Taylor Drinkwater Path and Filename: C:\ADSK\ACCDocs\GHD Services Pty Ltd\12646436-Veolia-Gview-SRiver\Project Files\01 - Grandview\01 WIP\Civil\Sheets\12646436-GHD-GV-DRG-00-CI-0102.dwg

ZONING INFORMATION	
JURISDICTION	VILLAGE OF MONTEBELLO, ROCKLAND COUNTY, NY
ZONING DESIGNATION	OSR - OPEN SPACE RECREATION
USE GROUP	d - PUBLIC UTILITY BUILDING

	REQUIRED	EXISTING	PROPOSED
LIMIT OF DISTURBANCE (AC)	-	-	0.54
MIN LOT AREA (AC)	2	3.66	3.66
LOT WIDTH (FT)	200	233	233
FRONT SETBACK (FT)	100	N/A	358.62
FRONT YARD (FT)	100	N/A	358.62
SIDE SETBACK (FT)	100	100 WEST* 116 EAST*	100.00 WEST 116.19 EAST
TOTAL SIDE SETBACK (FT)	200	216*	216.19
SIDE YARD (FT)	50	100 WEST* 116 EAST*	100.00 WEST 116.19 EAST

	REQUIRED	EXISTING	PROPOSED
REAR SETBACK (FT)	100	180*	286.81
REAR YARD (FT)	50	180*	286.81
STREET FRONTAGE (FT)	50	240	240
MAXIMUM BUILDING HEIGHT (FT)	35	N/A	28.57
DEVELOPMENT COVERAGE (%)	10	7.3	12.3
FLOOR AREA RATIO (FAR)	0.2000	0.0068	0.0151

*BASED ON EXISTING ARSENIC BUILDING, FOR REFERENCE.

CIVIL LEGEND

- DEMOLITION
- GRAVEL PAVEMENT
- ASPHALT PAVEMENT
- X — FENCE LINE
- STRUCTURE
- CONCRETE SIDEWALK
- RIPRAP/STONE
- GRASSED DEPRESSION
- TREE LINE
- 380 — MAJOR CONTOUR
- 381 — MINOR CONTOUR
- 1.25 × SPOT GRADE
- BOLLARD
- TREE

N/F NAPIER R JOHN
SECTION 40.20, BLOCK 1, LOT 31
BOOK 2022, PAGE 26291

N/F ABENAIM JONATHAN
SECTION 40.20, BLOCK 1, LOT 30
BOOK 2019, PAGE 5060

N/F BORKER VASSANT & PRITI
SECTION 40.20, BLOCK 1, LOT 8.2
BOOK 20010, PAGE 34246

N/F SUEZ WATER NY
SECTION 40.20, BLOCK 1, LOT 7
LIBER 904, PAGE 343

100' WETLAND BUFFER

DELINEATED WETLAND (11,935 SF (0.27 Ac))

WELL 67 AND ARSENIC TREATMENT BUILDING ONE STORY WOOD FRAME BUILDING HEIGHT: 20.4

WELL 78 BUILDING ONE STORY BRICK BUILDING

PROPOSED BUILDNG FFE 383.50 HEIGHT: 28.57

(4) NORWAY SPRUCE

BOLLARD (TYP)

18" GRAVEL MOWING STRIP

CONCRETE APRON

48" DRYWELL RIM = 382.25

ROOF DRAIN RIP-RAP APRON

RIP-RAP OVERFLOW INV = 382.60

BACKWASH WASTE YARD HYDRANT

GRASSED DEPRESSION

EXPANDED ACCESS GRAVEL DRIVE REMOVE AND RECOMPACT 12" MIN OF EXISTING GRAVEL

358.62 FRONT SETBACK

REPLACE EX. RAIL GATE W/ 20' WIDE DOUBLE LEAF GATE

REPLACE ASPHALT PAVEMENT AND BASE. MATCH EXISTING SECTION THICKNESS FOR ASPHALT AND SUBBASE

50' HOME GAS COMPANY EASEMENT (PER REFERENCE 5(B))

GRANDVIEW AVE (PUBLIC ROW 60' WIDTH)

286.81 REAR SETBACK

100.00 SIDE SETBACK

116.19 SIDE SETBACK

100' BUILDING SETBACK

794.31'

SITE PLAN NOTES:

1. THIS IS LOT 7, BLOCK 1, IN SECTION 40.20 AS SHOWN ON THE TOWN OF RAMAPO TAX MAP.
2. AREA OF TRACT: 3.66 Ac
3. ZONE: OSR - OPEN SPACE RECREATION
4. PROPOSED USE: d - PUBLIC UTILITY BUILDING (EXISTING AND PROPOSED)
5. RECORD OWNER (NAME AND ADDRESS): VEOLIA WATER NEW YORK, INC. (VWNY), FORMERLY SUEZ WATER NEW YORK INC., 162 OLD MILL RD, WEST NYACK, NY 10994
6. APPLICANT (NAME AND ADDRESS): GERARDO P. MORENO ,VEOLIA WATER NEW YORK, INC. (VWNY), FORMERLY SUEZ WATER NEW YORK INC., 162 OLD MILL RD, WEST NYACK, NY 10994
7. FIRE DISTRICT: TALLMAN
8. SCHOOL DISTRICT: SUFFERN CENTRAL S.D.
9. WATER DISTRICT: VEOLIA WATER
10. WATER SUPPLY BY: VEOLIA WATER NEW YORK, INC.
11. SEWER DISTRICT: ROCKLAND #1
12. DATUM: NATIONAL GEODETIC VERTICAL DATUM, 1929.
13. ALL UTILITIES UNDERGROUND. ELECTRIC SERVICE SHALL BE IN CONDUIT OF NOT LESS THAN TWO-INCH DIAMETER.
14. THERE ARE NO COVENANTS, DEED RESTRICTIONS, EASEMENTS, OR OTHER RESERVATIONS OF LAND RELATIVE TO THIS SITE, OTHER THAN AS SHOWN ON THIS PLAN (EXCEPT FOR THE FOLLOWING): (WHEN APPROPRIATE): THE ZONING BOARD OF APPEALS, ON _____ AS CASE NUMBER _____ IN THE APPLICATION OF _____ GRANTED VARIANCES FOR _____.

NO SIGN(S) OTHER THAN THOSE SHOWN ON THIS DRAWING ARE PERMITTED WITHOUT PRIOR APPROVAL OF THE PLANNING BOARD (TENANTS ARE TO BE ADVISED OF THIS CONDITION).

15. THE UNDERSIGNED, OWNER AND/OR APPLICANT, AS A CONDITION OF APPROVAL OF THIS SITE PLAN, HEREBY AGREES TO COMPLETE THE WITHIN SITE DEVELOPMENT PLAN AS DRAWN AND ALL IMPROVEMENTS SHOWN THEREON, AS A CONDITION OF THE ISSUANCE OF A BUILDING PERMIT. THE APPLICANT/OWNER IS AWARE THAT NO CHANGES IN THIS PLAN MAY BE MADE UNLESS APPROVED BY THE PLANNING BOARD.
APPLICANT: GERARDO P. MORENO (VWNY)
DATE: ___/___/____
OWNER: VEOLIA WATER NEW YORK, INC.
DATE: ___/___/____
16. PLANS ARE BASED ON FIELD ENGINEERING DATA AND CERTIFIED HERETO BY:
LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR: NICHOLAS HYDE, PE, BCEE (GHD)
DATE: ___/___/____
17. CONTRACTOR TO LIMIT ALL OPERATIONS TO THOSE SHOWN ON CONTRACT DRAWINGS, NO WORK INCLUDING SOIL EROSION AND SEDIMENT CONTROL (SESC) MEASURES TO BE OUTSIDE THE LIMITS SHOWN.

PROPOSED SITE PLAN

SCALE: 1" = 20'

0 10' 20' 40'

APPROVAL BLOCK

NOT FOR CONSTRUCTION

No.	Issue	Checked	Approved	Date
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Author **C. FORD** Drafting Check **S. PIKE** Project Manager **N. HYDE**
Designer **T. DRINKWATER** Design Check **C. MEEHAN** Project Director **J. SURTI**

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Client **VEOLIA WATER NEW YORK, INC.**

Project **PFAS TREATMENT FOR GRANDVIEW WELL NO. 67/78**

Project No. **12646436** Date **SEPTEMBER 2026** Scale **1" = 20'**

Title **PROPOSED SITE PLAN**

Size **ARCH D**

Sheet No. **CI-103**

Plot Date: 28 September 2026 - 5:02 PM Plotted By: Taylor Drinkwater Path and Filename: C:\ADISK\ACCDocs\GHD Services Pty Ltd\12646436-Veolia-Gview-SRiver\Project Files\01 - Grandview\01 WIP\Civil\Sheets\12646436-GHD-GV-DRG-00-CI-0103.dwg



OVERALL PROPOSED SITE PLAN

SCALE: 1" = 40'

0 20' 40' 80'

APPROVAL BLOCK

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Author **C. FORD** Drafting Check **S. PIKE** Project Manager **N. HYDE**

Designer **T. DRINKWATER** Design Check **C. MEEHAN** Project Director **J. SURTI**

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Client **VEOLIA WATER NEW YORK, INC.**

Project **PFAS TREATMENT FOR GRANDVIEW WELL NO. 67/78**

Title **OVERALL PROPOSED SITE PLAN**

Size **ARCH D**

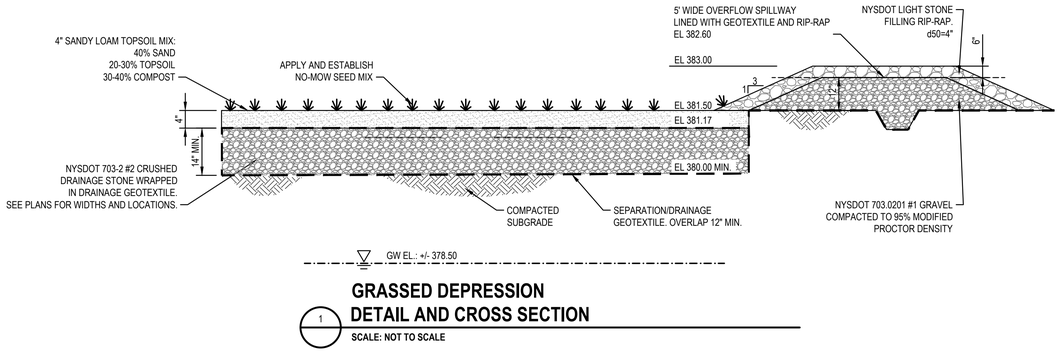
Project No. **12646436**

Date **SEPTEMBER 2026**

Scale **1" = 50'**

Sheet No. **CI-103A**

Plot Date: 28 September 2026 - 5:02 PM Plotted By: Taylor Drinkwater Path and Filename: C:\ADSK\ACCDocs\GHD Services Pty Ltd\12646436-Veolia-Gview-SRiver\Project Files\01 - Grandview\01 WIP\Civil\Sheets\12646436-GHD-GV-DRG-00-CI-0103A.dwg

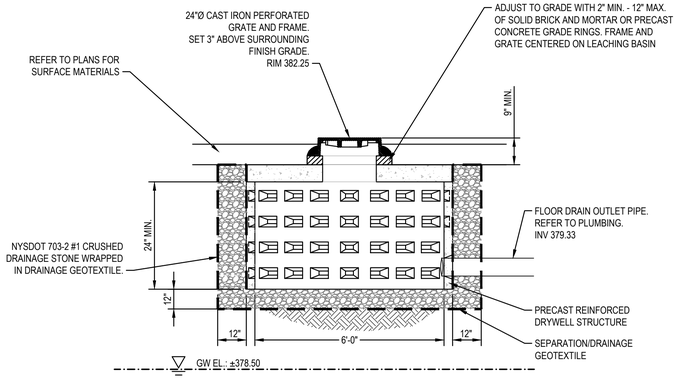


1 GRASSED DEPRESSION DETAIL AND CROSS SECTION

SCALE: NOT TO SCALE

NOTES:

1. WRAP DRAINAGE STONE ENTIRELY IN GEOTEXTILE SEPARATION/DRAINAGE FABRIC. OVERLAP GEOTEXTILE 12" MIN. AT END OF ROLLS.
2. OVERFLOW SPILLWAY RIP-RAP INSTALLATION AND SPECIFICATION:
   - 2.1. GRADE AND PREPARE ROUGH GRADE FOR RIPRAP.
   - 2.2. INSTALL FILTER FABRIC OVER ROUGH GRADED SURFACES.
   - 2.3. RIPRAP SHALL MEET THE REQUIREMENTS OF THE NEW YORK STATE STANDARD SPECIFICATIONS. STONE SHALL BE SOUND, DURABLE ROCK WHICH IS ANGULAR IN SHAPE. ROUNDED STONES, BOULDERS, SANDSTONE OR SIMILAR SOFT STONE OR RELATIVELY THIN SLABS WILL NOT BE ACCEPTABLE. EACH STONE SHALL WEIGH NOT LESS THAN 50 LB AND AT LEAST 75% OF THE VOLUME SHALL CONSIST OF STONES WEIGHING NOT LESS THAN 500 LB EACH. THE REMAINDER OF THE STONES SHALL BE SO GRADED THAT WHEN PLACED WITH THE LARGER STONES THE ENTIRE MASS WILL BE COMPACT.
   - 2.4. INSTALL BEDDING STONE IN ONE LIFT ON FILTER FABRIC AND LEVEL AND COMPACT LAYER. INSTALL RIPRAP STONE OVER BEDDING STONE IN ONE LIFT SO THAT IT SHALL BE AT LEAST 12 INCHES IN DEPTH, UNLESS OTHERWISE NOTED. TAKE PRECAUTIONS TO NOT BREAK THROUGH BEDDING STONE OR DISPLACE FABRIC MATERIAL.
   - 2.5. FINISHED SURFACE OF RIPRAP STONE SHALL BE ROUGHLY LEVELED TO FOLLOW THE FINISHED SLOPE BY MACHINE OR HAND WORK.
3. SANDY LOAD TOPSOIL INSTALLATION AND SPECIFICATION:
   - 3.1. ENGINEERED SOIL MIX FOR INFILTRATION SYSTEMS DESIGNED TO EXFILTRATE
   - 3.2. THE SOIL MIX FOR INFILTRATION AREAS SHOULD BE A MIXTURE OF SAND, COMPOST, AND SOIL:
     - 3.2.1. 40 % SAND,
     - 3.2.2. 20-30% TOPSOIL, AND
     - 3.2.3. 30-40% COMPOST.
   - 3.3. THE SOIL MIX MUST BE UNIFORM, FREE OF STONES, STUMPS, ROOTS OR SIMILAR OBJECTS LARGER THAN 2 INCHES. CLAY CONTENT SHOULD NOT EXCEED 5%.
   - 3.4. SOIL PH SHOULD GENERALLY BE BETWEEN 5.5-6.5, A RANGE THAT IS OPTIMAL FOR MICROBIAL ACTIVITY AND ABSORPTION OF NITROGEN, PHOSPHORUS, AND OTHER POLLUTANTS.
   - 3.5. USE SOILS WITH 1.5% TO 3% ORGANIC CONTENT AND MAXIMUM 500-PPM SOLUBLE SALTS.
   - 3.6. THE SAND COMPONENT SHOULD BE GRAVELLY SAND THAT MEETS ASTM D 422. PERCENT PASSING SIEVE SIZE 2-INCH 100 70-100 ¾-INCH 50-80 ¼-INCH 15-40 U.S. NO. 40 0-3 U.S. NO. 200
   - 3.7. THE TOPSOIL COMPONENT SHALL BE A SANDY LOAM, LOAMY SAND OR LOAM TEXTURE.
   - 3.8. THE COMPOST COMPONENT MUST BE PROCESSED FROM YARD WASTE IN ACCORDANCE WITH NYSDEC GUIDELINES. THE COMPOST SHALL NOT CONTAIN BIOSOLIDS.
4. NO-MOW LAWN SEED MIX INSTALLATION AND SPECIFICATION:
   - 4.1. SEEDING OF THE GRASSED DEPRESSION SHALL BE ACCOMPLISHED USING WHAT IS CALLED A "NO MOW" LAWN SEED MIXTURE THAT PRIMARILY CONTAINS 4 TO 5 VARIETIES OF SELECTED, LOW GROWTH, FESCUE GRASS SPECIES SUITABLE FOR GROWTH ON THE SOILS FOUND ONSITE. A NURSE CROP OF 10% PERENNIAL RYE GRASS OR RED TOP SHALL BE ADDED TO THE FESCUE SEED MIX TO ESTABLISH QUICK GERMINATION OF SEED. SEED SHALL BE OBTAINED FROM AN APPROVED SUPPLIER. THE PURPOSE OF THE SEED MIXTURE IS TO DEVELOP A STABLE GRASS COVER OVER DISTURBED SOILS THAT MAY BE MOWED IN AREAS OR THAT DOES NOT REQUIRE REGULAR MOWING OR THE WEEDING THAT WOULD BE INVOLVED WITH MAINTAINING A DEVELOPED SITE. THE "NO MOW" LAWN SEED SHALL BE SPREAD ON THE PREPARED SEEDING SOIL AT THE RATE OF 3 POUNDS PER 1000 SQUARE FEET. THE SEED SHALL BE RAKED LIGHTLY TO ESTABLISH GOOD SOIL CONTACT AND THE SEED BED SHALL BE MULCHED WITH A 2 INCH LOOSE LAYER OF CLEAN OAT STRAW ON FLATTER SITE AREAS AND COVERED WITH AN EROSION CONTROL BLANKET ON SLOPES OVER 10 PERCENT. NORMAL LAWN ESTABLISHMENT OPERATIONS SHALL BE IMPLEMENTED UNTIL THE SEEDED GRASS AREAS HAVE STABLE GROWTH.

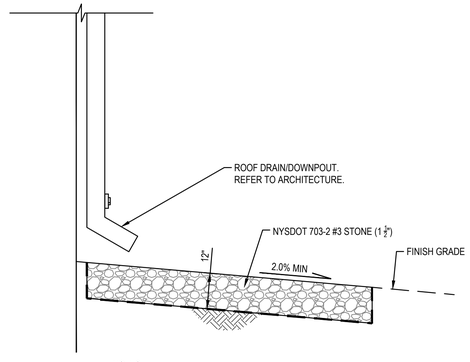


NOTES:

1. CONCRETE MINIMUM STRENGTH SHALL BE 4,000 PSI @ 28 DAYS.
2. STEEL REINFORCEMENT: AS-615, GRADE 60.
3. DESIGN LOADING: AASHO-HS-20.
4. WRAP DRAINAGE STONE ENTIRELY IN GEOTEXTILE SEPARATION/DRAINAGE FABRIC. OVERLAP GEOTEXTILE 12" MIN. AT END OF ROLLS.
5. REFER TO PLANS FOR STRUCTURE AND PIPE ELEVATIONS, INVERTS, SIZES, AND HEIGHT.
6. SUBMIT CUSTOM DRYWELL SHOP DRAWINGS FOR REVIEW.

2 PRECAST DRYWELL

SCALE: NOT TO SCALE



NOTES:

1. SLOPE APRON AWAY FROM BUILDINGS OR STRUCTURES AT 2.0% MINIMUM.
2. END OF APRON SHALL BE FLUSH WITH DOWNSTREAM FINISH GRADE, INCLUDING TOPSOIL AND LANDSCAPING. DO NOT BLOCK FLOW

3 ROOF DRAIN RIP-RAP APRON

SCALE: NOT TO SCALE

NOT FOR CONSTRUCTION

No.	Issue	Checked	Approved	Date
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C	LOCAL REGULATORY REVIEW/FOR APPROVAL	CM	NH	08/26/26
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Author **C. FORD** | Drafting Check **S. PIKE** | Project Manager **N. HYDE**
Designer **T. DRINKWATER** | Design Check **C. MEEHAN** | Project Director **J. SURTI**

Notes

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Bar is one inch on original size sheet
0 1"

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Client **VEOLIA WATER NEW YORK, INC.**

Project **PFAS TREATMENT FOR GRANDVIEW WELL NO. 67/78**

Title **CIVIL DETAILS**

Size **ARCH D**

Project No. **12646436** | Date **AUG 2026** | Scale **NTS**

Sheet No. **CI-503**

Plot Date: 6 July 2026 - 3:42 PM | Plotted By: Cody Ford | Path and Filename: C:\ADSK\ACCDocs\GHD Services Pty Ltd\12646436-Grandview & Saddle River PFAS\Project Files\01 - Grandview\01 WIP\Civil\Sheets\12646436-GHD-GV-DRG-00-CI-0503.dwg

EROSION CONTROL NARRATIVE:

PRIOR TO COMMENCING WORK, CONTRACTOR SHALL INSTALL SEDIMENT AND EROSION CONTROL MEASURES.

ANTI-TRACKING PAVEMENT SHALL BE INSTALLED AT THE WORK ENTRANCES TO THE SITE, AND ENTRANCE ROUGH GRADES SHALL BE ESTABLISHED AND SHAPED. SITE AREAS SHALL BE ESTABLISHED FOR USE AS CONSTRUCTION MATERIAL STORAGE AND PARKING.

CUTS AND FILLS SHALL BE MADE TO DESIGN GRADES. EXCESS FILL SHALL BE HAULED AND PLACED IN FILL AREAS OR DISPOSED OF AT AN APPROVED OFF-SITE LOCATION.

EROSION CONTROLS SHALL BE PERIODICALLY CHECKED AND MAINTAINED AT THE DOWNHILL EDGE OF DISTURBED AREAS AND SHALL BE PLACED AT THE BASE OF SLOPES. STRAWBALES OR SILT FENCES SHALL BE MAINTAINED AT THE POINTS OF RUNOFF PIPE AND DITCH OUTLETS.

WHEN CONSTRUCTION WORK IS COMPLETED AND STABLE SURFACES (VEGETATED OR PAVED) HAVE BEEN ACHIEVED, THE EROSION CONTROLS SHALL BE REMOVED.

DUST CONTROL MEASURES:

DUST CONTROL MEASURES SHALL BE IMPLEMENTED ACROSS AREAS OF SITE DISTURBANCE.

TEMPORARY STABILIZATION (SEEDING, MULCHING) SHALL BE EMPLOYED IF CONSTRUCTION AREAS ARE TO BE LEFT OPEN FOR PERIODS OF TIME. THESE NOTED GENERAL OPERATIONS SHALL HELP REDUCE THE POTENTIAL LEVEL OF DUST GENERATED FROM THE SITE.

DUST CONTROL MEASURES SHALL BE EMPLOYED DURING DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS ARE STABILIZED.

SPECIFIC DUST CONTROL MEASURES FOLLOW IN ORDER OF HIERARCHY.

SPRINKLING - WATER SHALL BE SPRAYED ON THE SURFACE OF DISTURBED AREAS UNTIL THE SURFACE IS WET. THIS PRACTICE IS ESPECIALLY EFFECTIVE ON TRAFFICKED AREAS.

VEGETATION - TEMPORARY SEEDING SHALL BE EMPLOYED IN SITE DISTURBED AREAS NOT SUBJECT TO TRAFFIC.

MULCH - MULCH MATERIAL INCLUDING WOOD CHIPS AND GRAVEL SHALL BE USED ON AREAS WHERE A FAST EFFECTIVE MEANS TO CONTROL DUST AS NEEDED.

EROSION & SEDIMENTATION CONTROL MEASURES:

1. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR DAILY AND IMMEDIATELY AFTER PERIODS OF RAINFALL, REPAIR AND/OR MAINTENANCE OF SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE MADE AS SOON AS NEEDED. THE CONTRACTOR IS RESPONSIBLE FOR THE IMPLEMENTATION AND MAINTENANCE OF ALL CONTROL MEASURES ON THIS SITE.
2. LAND DISTURBANCE SHALL BE KEPT TO A MINIMUM. RESTABILIZATION SHALL BE SCHEDULED IMMEDIATELY AFTER ANY DISTURBANCE.
3. SILT FENCES SHALL BE INSTALLED ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES.
4. CATCH BASINS SHALL BE PROTECTED WITH ROLLED EROSION CONTROL PRODUCT THROUGHOUT THE CONSTRUCTION SEQUENCE AND UNTIL ALL DISTURBED AREAS ARE STABILIZED.
5. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ALL CONSTRUCTION ACTIVITIES.
6. ANCHOR ALL TOPSOIL STOCK PILES WITH STRAW MULCH AND RING WITH SILT FENCE, OR STRAWBALE BARRIER.
7. DURING CONSTRUCTION, ALL EXPOSED SLOPES THAT SHALL NOT RECEIVE PERMANENT SURFACE TREATMENT IMMEDIATELY, AND ALL PILES OF SOIL SHALL BE TEMPORARILY SEEDED WITH A MIXTURE OF PERENNIAL RYEGRASS, ANNUAL RYEGRASS AND WINTER GRASS. SHOULD CONSTRUCTION ACTIVITIES BE HALTED, THE CONTRACTOR SHALL STABILIZE DISTURBED AREAS BY APPROVED METHODS SUCH AS MULCHING AND HYDROSEEDING.
   - 7.1. IF: SPRING OR SUMMER OR EARLY FALL, THEN SEED THE AREA WITH RYEGRASS (ANNUAL OR PERENNIAL) AT 30 LBS. PER ACRE (APPROXIMATELY 0.7 LB./1000 SQ. FT. OR USE 1 LB./1000 SQ. FT.).
   - 7.2. IF: LATE FALL OR EARLY WINTER, THEN SEED CERTIFIED 'AROOSTOOK' WINTER RYE (CEREAL RYE) AT 100 LBS. PER ACRE (2.5 LBS./1000 SQ. FT.).
   - 7.3. ANY SEEDING METHOD MAY BE USED THAT WILL PROVIDE UNIFORM APPLICATION OF SEED TO THE AREA AND RESULT IN RELATIVELY GOOD SOIL TO SEED CONTACT.
   - 7.4. MULCH THE AREA WITH HAY OR STRAW AT 2 TONS/ACRE (APPROX. 90 LBS./1000 SQ. FT. OR 2 BALES). QUALITY OF HAY OR STRAW MULCH ALLOWABLE WILL BE DETERMINED BASED ON LONG TERM USE AND VISUAL CONCERNS. MULCH ANCHORING WILL BE REQUIRED WHERE WIND OR AREAS OF CONCENTRATED WATER ARE OF CONCERN. WOOD FIBER HYDROMULCH OR OTHER SPRAYABLE PRODUCTS APPROVED FOR EROSION CONTROL (NYLON WEB OR MESH) MAY BE USED IF APPLIED ACCORDING TO MANUFACTURERS' SPECIFICATION. CAUTION IS ADVISED WHEN USING NYLON OR OTHER SYNTHETIC PRODUCTS. THEY MAY BE DIFFICULT TO REMOVE PRIOR TO FINAL SEEDING AND CAN BE A HAZARD TO YOUNG WILDLIFE SPECIES.
8. SEDIMENT REMOVAL FROM CONTROL STRUCTURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. SEDIMENT SHALL BE DISPOSED OF IN A MANNER WHICH DOES NOT RESULT IN ADDITIONAL EROSION AND WHICH IS CONSISTENT WITH THE CONTRACT DOCUMENTS AND REGULATORY REQUIREMENTS.
9. THE EROSION AND SEDIMENTATION CONTROL MEASURES DESCRIBED HEREIN ARE INTENDED AS A GENERAL GUIDE FOR THE CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ANY AND ALL WORK NECESSARY TO PREVENT EROSION OF SOIL FROM THE CONSTRUCTION SITE. TO PREVENT EROSION, THE CONTRACTOR SHALL PROVIDE SILT FENCES OR OTHER CONTROL MEASURES AS THE NEED ARISES DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
10. PAVED ROADWAYS AND SURFACES SHALL BE KEPT CLEAN AT ALL TIMES.
11. A TEMPORARY CRUSHED STONE PAD OR ROADWAY SHALL BE CONSTRUCTED AT ALL NON-PAVED PARKING AREAS, HEAVY USE AREAS, OR ROADWAYS WHERE THERE IS NO EXISTING PAVEMENT, OR WHERE PAVEMENT HAS BEEN REMOVED.

GENERAL EROSION AND SEDIMENTATION NOTES:

1. ALL REQUIRED EROSION CONTROL MEASURES SHALL BE ESTABLISHED WITHIN A DRAINAGE AREA PRIOR TO EXCAVATION WITHIN THE AREA.
2. ADDITIONAL EROSION CONTROL MEASURES MAY BE NEEDED AT THE TIME OF CONSTRUCTION BASED ON CONSTRUCTION PRACTICES AND SITE CONDITIONS.
3. DRAINAGE SHALL BE SLOPED AWAY FROM THE EXCAVATION AREA.
4. EXCAVATIONS SHALL BE KEPT DRY USING SUMP PUMP SYSTEMS. THE SUMP SHALL BE LOCATED AT THE LOW POINT OF THE TRENCH, AND SHALL CONSIST OF A SUCTION HOSE DRAWING FROM A POCKET OF WASHED GRAVEL WRAPPED IN NON-WOVEN GEOTEXTILE. THE SUMP SHALL DISCHARGE TO STABILIZED CATCH BASINS. STABILIZED CATCH BASINS SHALL BE CLEANED PRIOR TO HAVING STORMWATER DISCHARGED TO THEM AND THEIR GRATES SHALL BE WRAPPED WITH WOVEN GEOTEXTILE (SILT FENCE MATERIAL) TO PREVENT THE ENTRANCE OF FINES. STABILIZED CATCH BASINS SHALL ALSO BE CLEANED WHEN THE SILT REACHES THE MIDPOINT OF THE SUMP AND AT THE COMPLETION OF THE PROJECT.
5. IF A STABILIZED CATCH BASIN IS NOT AVAILABLE WITHIN A DRAINAGE AREA THE TRENCH SUMP SHALL DISCHARGE TO A SILT BAG AND FLOW OVERLAND TO NATURAL DRAINAGE COURSES. THE VOLUME OF WATER DISCHARGED SHALL BE MONITORED TO PREVENT EROSION OR DAMAGE WITHIN THE NATURAL DRAINAGE COURSES.
6. MATERIAL TAKEN FROM ROADWAYS, CATCH BASINS, AND SILT BAGS SHALL BE DISPOSED OF IN A MANNER THAT MEETS ALL LOCAL, STATE AND FEDERAL LAWS.
7. CONTRACTORS SHALL COMPLY WITH NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, AND THE COUNTY OF ROCKLAND BEST MANAGEMENT PROCEDURES FOR STORM WATER POLLUTANTS.
8. CONCRETE WASHOUT FOR TRUCKS AND EQUIPMENT SHALL ONLY BE PERFORMED IN A TEMPORARY EXCAVATED OR ABOVE GROUND LINED CONSTRUCTED PIT IN ACCORDANCE WITH THE "CONCRETE TRUCK WASHOUT" STANDARD SPECIFICATION IN THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

GENERAL CONSTRUCTION SEQUENCE:

1. CLEARLY FIELD-MARK THE LIMIT OF DISTURBANCE BOUNDARIES AND ALL WATERS OF THE STATE PRIOR TO THE START OF EARTH DISTURBANCE ACTIVITIES. MARK WETLAND BOUNDARIES USING TEMPORARY CONSTRUCTION FENCE FOR THE PURPOSE OF LIMITING ACCESS.
2. INSTALL EROSION AND SEDIMENT CONTROLS AS SHOWN ON THE PLAN DRAWINGS.
3. CLEAR, GRUB, AND PERFORM EARTHWORK ON AREA AS NECESSARY.
4. CONSTRUCT NEW FACILITIES AS SHOWN ON THE PLAN DRAWINGS.
   - 4.1. REFER TO 'WINTER STABILIZATION' FOR WORK WITHIN WINTER MONTHS.
5. FILL AND GRADE AREA IN ACCORDANCE WITH THE PLAN DRAWINGS.
6. PERMANENT STABILIZATION/FINAL PLACEMENT OF TOPSOIL, SEEDING, AND MULCHING OF ALL CONSTRUCTION DISTURBED AREAS THAT ARE NOT PAVED AFTER CONSTRUCTION IS COMPLETE.
7. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE EROSION AND SEDIMENT CONTROL MEASURES MUST BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL SHOULD BE DONE ONLY DURING THE GERMINATING SEASON.

WETLAND PROTECTION NOTES:

1. STAGING AREAS SHOULD BE LOCATED AT LEAST 50 FEET FROM THE EDGES OF WETLANDS. NO EQUIPMENT SHALL BE STORED IN WETLAND AREAS. NO EQUIPMENT SHALL BE OPERATED BEYOND THE LIMITS OF DISTURBANCE.
2. MARK LIMITS OF DISTURBANCE AND WETLAND BOUNDARIES USING TEMPORARY CONSTRUCTION FENCE FOR THE PURPOSE OF LIMITING ACCESS BEFORE EARTH DISTURBANCE ACTIVITIES BEGIN.

WINTER STABILIZATION

1. PREPARE A SNOW MANAGEMENT PLAN WITH ADEQUATE STORAGE FOR SNOW AND CONTROL OF MELT WATER, REQUIRING CLEARED SNOW TO BE STORED IN A MANNER NOT AFFECTING ONGOING CONSTRUCTION ACTIVITIES.
2. ENLARGE AND STABILIZE ACCESS POINTS TO PROVIDE FOR SNOW MANAGEMENT AND STOCKPILING. SNOW MANAGEMENT ACTIVITIES MUST NOT DESTROY OR DEGRADE INSTALLED EROSION AND SEDIMENT CONTROL PRACTICES.
3. A MINIMUM 25 FOOT BUFFER SHALL BE MAINTAINED FROM ALL PERIMETER CONTROLS SUCH AS SILT FENCE. MARK SILT FENCE WITH TALL STAKES THAT ARE VISIBLE ABOVE THE SNOW PACK.
4. EDGES OF DISTURBED AREAS THAT DRAIN TO A WATERBODY WITHIN 100 FEET WILL HAVE 2 ROWS OF SILT FENCE, 5 FEET APART,INSTALLED ON THE CONTOUR.
5. DRAINAGE STRUCTURES MUST BE KEPT OPEN AND FREE OF SNOW AND ICE DAMS. ALL DEBRIS, ICE DAMS, OR DEBRIS FROM PLOWING OPERATIONS, THAT RESTRICT THE FLOW OF RUNOFF AND MELTWATER, SHALL BE REMOVED.
6. SEDIMENT BARRIERS MUST BE INSTALLED AT ALL APPROPRIATE PERIMETER AND SENSITIVE LOCATIONS. SILT FENCE AND OTHER PRACTICES REQUIRING EARTH DISTURBANCE MUST BE INSTALLED BEFORE THE GROUND FREEZES.
7. SOIL STOCKPILES MUST BE PROTECTED BY THE USE OF ESTABLISHED VEGETATION, ANCHORED STRAW MULCH, ROLLED STABILIZATION MATTING, OR OTHER DURABLE COVERING. A BARRIER MUST BE INSTALLED AT LEAST 15 FEET FROM THE TOE OF THE STOCKPILE TO PREVENT SOIL MIGRATION AND TO CAPTURE LOOSE SOIL.
8. IN AREAS WHERE SOIL DISTURBANCE ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED, THE APPLICATION OF SOIL STABILIZATION MEASURES SHOULD BE INITIATED BY THE END OF THE NEXT BUSINESS DAY AND COMPLETED WITHIN THREE (3) DAYS. ROLLED EROSION CONTROL BLANKETS MUST BE USED ON ALL SLOPES 3 HORIZONTAL TO 1 VERTICAL OR STEEPER.
9. IF STRAW MULCH ALONE IS USED FOR TEMPORARY STABILIZATION, IT SHALL BE APPLIED AT DOUBLE THE STANDARD RATE OF 2 TONS PER ACRE, MAKING THE APPLICATION RATE 4 TONS PER ACRE. OTHER MANUFACTURED MULCHES SHOULD BE APPLIED AT DOUBLE THE MANUFACTURER'S RECOMMENDED RATE.
10. TO ENSURE ADEQUATE STABILIZATION OF DISTURBED SOIL IN ADVANCE OF A MELT EVENT, AREAS OF DISTURBED SOIL SHOULD BE STABILIZED AT THE END OF EACH WORK DAY UNLESS:
    - 10.1. WORK WILL RESUME WITHIN 24 HOURS IN THE SAME AREA AND NO PRECIPITATION IS FORECAST OR;
    - 10.2. THE WORK IS IN DISTURBED AREAS THAT COLLECT AND RETAIN RUNOFF, SUCH AS OPEN UTILITY TRENCHES, FOUNDATION EXCAVATIONS, OR WATER MANAGEMENT AREAS.
11. USE STONE PATHS TO STABILIZE ACCESS PERIMETERS OF BUILDINGS UNDER CONSTRUCTION AND AREAS WHERE CONSTRUCTION VEHICLE TRAFFIC IS ANTICIPATED. STONE PATHS SHOULD BE A MINIMUM 10 FEET IN WIDTH BUT WIDER AS NECESSARY TO ACCOMMODATE EQUIPMENT.
12. MAINTENANCE: THE SITE SHALL BE INSPECTED FREQUENTLY TO ENSURE THAT THE EROSION AND SEDIMENT CONTROL PLAN IS PERFORMING ITS WINTER STABILIZATION FUNCTION. IF THE SITE WILL NOT HAVE EARTH DISTURBING ACTIVITIES ONGOING DURING THE "WINTER SEASON", ALL BARE EXPOSED SOIL MUST BE STABILIZED BY ESTABLISHED VEGETATION, STRAW OR OTHER ACCEPTABLE MULCH, MATTING, ROCK, OR OTHER APPROVED MATERIAL SUCH AS ROLLED EROSION CONTROL PRODUCTS. SEEDING OF AREAS WITH MULCH COVER IS PREFERRED BUT SEEDING ALONE IS NOT ACCEPTABLE FOR PROPER STABILIZATION. COMPLIANCE INSPECTIONS MUST BE PERFORMED AND REPORTS FILED PROPERLY IN ACCORDANCE WITH THE SWPPP FOR ALL SITES UNDER A WINTER SHUTDOWN.

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A	LOCAL REGULATORY REVIEW/FOR APPROVAL	CM	NH	06/09/26

Author **C. FORD** Drafting Check **S. PIKE** Project Manager **N. HYDE**

Designer **T. DRINKWATER** Design Check **C. MEEHAN** Project Director **J. SURTI**

Notes

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0 1"

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Client **VEOLIA WATER NEW YORK, INC.**

Project **PFAS TREATMENT FOR GRANDVIEW WELL NO. 67/78**

Project No. **12646436** Date **SEPTEMBER 2026** Scale **NTS**

Title **EROSION AND SEDIMENT CONTROL NOTES**

Size **ARCH D**

Sheet No. **CI-701**

Plot Date: 10 September 2026 - 10:47 AM Plotted By: Lily Gao Path and Filename: C:\ADSK\ACCDocs\GHD Services Pty Ltd\12646436-Veolia-Gview-SRver\Project Files\01 - Grandview\01 WIP\Civil\Sheets\12646436-GHD-GV-DRG-00-CI-0701.dwg

CIVIL LEGEND

LOD	LIMIT OF DISTURBANCE
SF	SILT FENCE
CFS	COMPOST FILTER SOCK

N/F NAPIER R JOHN
SECTION 40.20, BLOCK 1, LOT 31
BOOK 2022, PAGE 26291

N/F ABENAIM JONATHAN
SECTION 40.20, BLOCK 1, LOT 30
BOOK 2019, PAGE 3080

N/F SUEZ WATER NY
SECTION 40.20, BLOCK 1, LOT 7
LIBER 904, PAGE 343

N/F BORKER VASSANT & PRITI
SECTION 40.20, BLOCK 1, LOT 8.2
BOOK 2000, PAGE 34246

358.86'
S 61° 13' 02" E
45.25'
319.86'
N 29° 32' 08" E
794.31'
S 26° 39' 58" W
30'
100' WETLAND BUFFER
100' BUILDING SETBACK
12" CFS
STABILIZED CONSTRUCTION ENTRANCE
SILT FENCE
B1
B2
D.S.384.87
D.S.384.87
D.S.384.94
D.S.384.91
665
390.22
GRATE 390.79
INV. 387.84 SE
INV. 387.52
INV. 386.35
GRANDVIEW AVE
(PUBLIC ROW 60' WIDTH)
50' HOME GAS COMPANY EASEMENT (PER REFERENCE 5(B))
WELL 67 AND ARSENIC TREATMENT BUILDING
ONE STORY WOOD FRAME BUILDING
HEIGHT: 20.4
WELL 78 BUILDING
ONE STORY BRICK BUILDING
DELINEATED WETLAND
(11,935 SF (0.27 Ac)
GRAVEL ACCESS DRIVE
ASPHALT DRIVEWAY
CONCRETE (TYP)
BOLLARDS (TYP)
GATE
HYDRANT
RAMP
SWALE
WOODED
ROCK
GRAVEL
ASPHALT
CONCRETE
EPB
CPB
8" TWIN
12" TWIN
6" PVC
12" PVC
12" HDPE
ONE
SD
SF
CFS
LOD
001

1 **EROSION AND SEDIMENT CONTROL PLAN**
SCALE: 1" = 20'

0 10' 20' 40'

N

NOTES:

1. TOTAL LIMIT OF DISTURBANCE (LOD) = 23,726 SF

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A	LOCAL REGULATORY REVIEW/FOR APPROVAL	CM	NH	06/09/26

Author **C. FORD** Drafting Check **S. PIKE** Project Manager **N. HYDE**
Designer **T. DRINKWATER** Design Check **C. MEEHAN** Project Director **J. SURTI**

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Bar is one inch on original size sheet
0 1"

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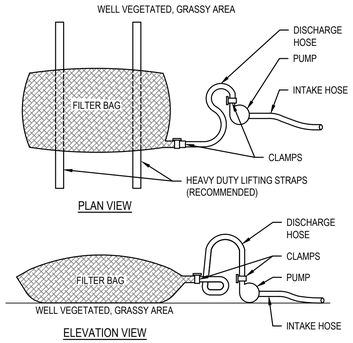
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Client **VEOLIA WATER NEW YORK, INC.**
Project **PFAS TREATMENT FOR GRANDVIEW WELL NO. 67/78**
Title **EROSION AND SEDIMENT CONTROL PLAN**

Project No. **12646436** Date **SEPTEMBER 2026** Scale **1" = 20'**
Size **ARCH D**
Sheet No. **CI-702**

Plot Date: 10 September 2026 - 10:49 AM Plotted By: Lily Gao
Path and Filename: C:\ADSK\ACCDocs\GHD Services Pty Ltd\12646436-Veolia-Gview-SRiver\Project Files\01 - Grandview\01 WIP\Civil\Sheets\12646436-GHD-GV-DRG-00-CI-0702.dwg



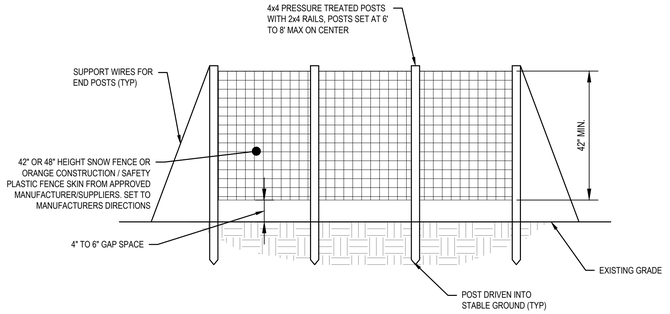
NOTES:

1. FILTER BAGS SHALL BE USED AT ALL TIMES WHEN IT IS NECESSARY TO DEWATER EXCAVATED PIPE TRENCH AND BORING AND RECEIVING PITS.
2. LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STREGTH, DOUBLE STITCHED "J" TYPE SEAMS; AND SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS.
3. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE STANDARDS INCLUDED IN THE TABLE BELOW.

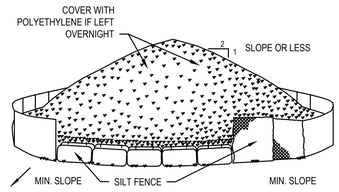
PROPERTY	MINIMUM STANDARD
ROLL STRENGTH	100 LB/IN
GRAB TENSILE STRENGTH	200 LB
GRAB TENSILE ELONGATION	50%
TRAPEZOID TEAR STRENGTH	80 LB
PUNCTURE	130 LB
MULLEN BURST	380 PSI
UV RESISTANCE	70%
APPARENT OPENING SIZE	40 - 80 US SIEVE
FLOW THRU RATE	70 GPM/SQ FT

4. SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY FOR DISPOSAL PURPOSES SHALL BE PROVIDED.
5. FILTER BAGS SHALL BE REPLACED WEN THEY BECOME HALF-FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED.
6. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.
7. BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY.
8. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.
9. COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.
10. THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED.
11. THE PUMPED RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.
12. FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

1 FILTER BAG
NOT TO SCALE



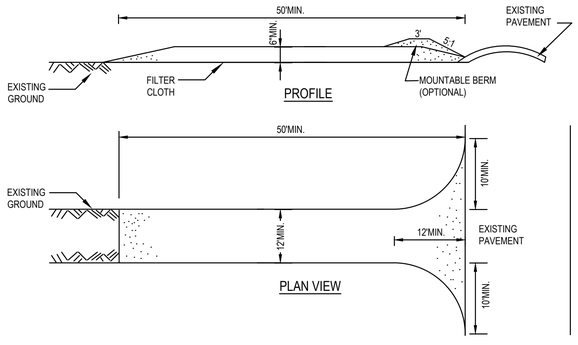
2 TEMPORARY CONTRUCTION FENCE
NO SCALE



NOTES:

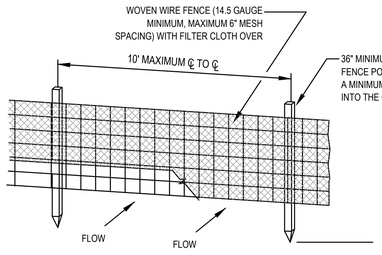
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING THEN COVERED IF LEFT OVERNIGHT.
4. SEE DETAIL FOR INSTALLATION OF SILTFENCE.

3 SOIL STOCKPILE
NOT TO SCALE

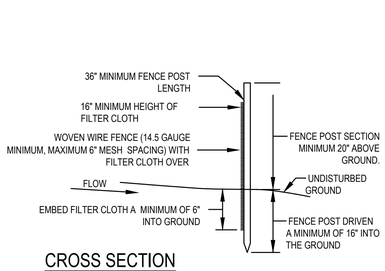


1. STONE SIZE - USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET.
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ACCESS SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

4 STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



PERSPECTIVE DETAIL



CROSS SECTION

REPRODUCED FROM NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL

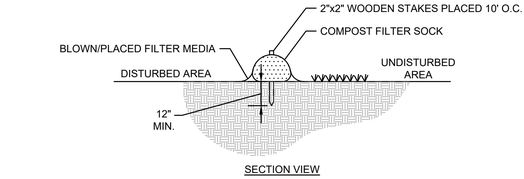
SILT FENCE NOTES

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
5. POST: SHALL BE STEEL EITHER "T" OR "U" TYPE OR 2" HARDWOOD STAKE.
6. FENCE: SHALL BE WOVEN WIRE, 14.5 GAUGE WITH 6" MAXIMUM MESH OPENING.
7. FILTER CLOTH: SHALL BE FILTER X, 7. MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL.
8. PREFABRICATED UNIT: SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.

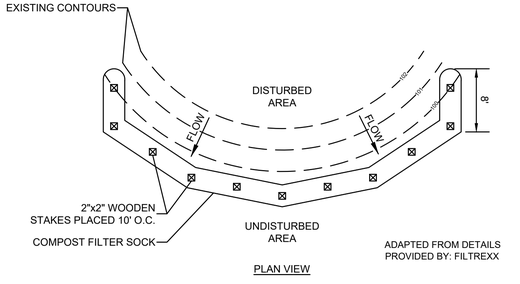
DESIGN CRITERIA

SLOPE STEEPNESS	SLOPE LENGTH	FENCE LENGTH
FLATTER THAN 50:1	UNLIMITED	UNLIMITED
50:1 TO 10:1	125 FEET	1,000 FEET
10:1 TO 5:1	100 FEET	750 FEET
5:1 TO 3:1	60 FEET	500 FEET
3:1 TO 2:1	40 FEET	250 FEET
2:1 AND STEEPER	20 FEET	125 FEET

5 SILT FENCE DETAIL
NOT TO SCALE



SECTION VIEW



PLAN VIEW

ADAPTED FROM DETAILS PROVIDED BY: FILTREXX

6 COMPOST FILTER SOCK
NOT TO SCALE

NOT FOR CONSTRUCTION

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A	LOCAL REGULATORY REVIEW/FOR APPROVAL	CM	NH	06/09/26

Author **C. FORD** Drafting Check **S. PIKE** Project Manager **N. HYDE**
Designer **T. DRINKWATER** Design Check **C. MEEHAN** Project Director **J. SURTI**

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Bar is one inch on original size sheet
0 1"

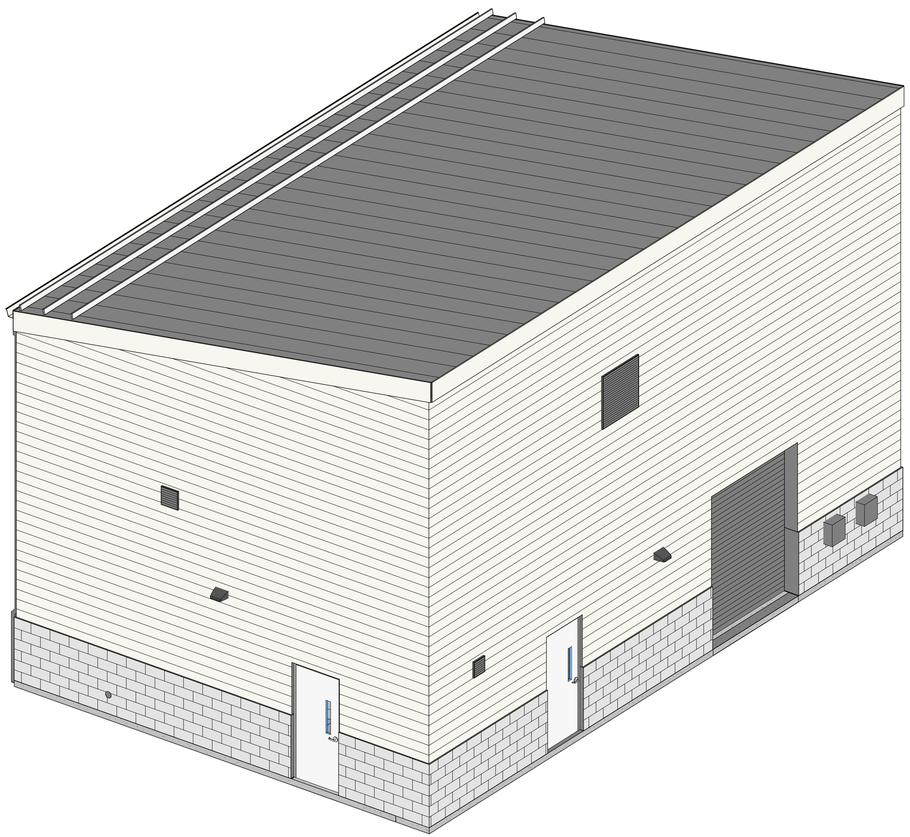
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Client **VEOLIA WATER NEW YORK, INC.**
Project **PFAS TREATMENT FOR GRANDVIEW WELL NO. 67/78**
Title **EROSION AND SEDIMENT CONTROL DETAILS**
Size **ARCH D**
Project No. **12646436** Date **SEPTEMBER 2026** Scale **NTS**
Sheet No. **CI-703**

Plot Date: 10 September 2026 - 10:49 AM Plotted By: Lily Gao
Path and Filename: C:\ADSK\ACCDocs\GHD Services Pty Ltd\12646436-Veolia-Gview-SRiver\Project Files\01 - Grandview\01 WIP\Civil\Sheets\12646436-GHD-GV-DRG-00-CI-0703.dwg



ISOMETRIC VIEW

LEGEND

- BRICK
- (CMU) CONCRETE MASONRY UNIT
- BLOCKING OR FRAMING, CONTINUOUS
- BLOCKING OR SHIM, NOT CONTINUOUS
- PLYWOOD OR LAMINTED VENEER LUMBER
- FINISHED WOOD
- (GWB) GYPSUM WALL BOARD
- (ACT) ACOUSTICAL CEILING TILE
- RIGID BOARD INSULATION (DETAIL VIEW)
- BATT INSULATION
- EARTH
- COMPACTED BACKFILL
- CONCRETE
- GROUT
- ALUMINUM CHECKERED PLATE (PLAN VIEW)
- ALUMINUM GRATING (PLAN VIEW)
- FERROUS OR NON-FERROUS METAL (IN SECTION)

ABBREVIATIONS

&	AND
∠	ANGLE
@	AT
∅	DIAMETER
w/	WITH
AB	AIR BARRIER
ALUM	ALUMINUM
AVB	AIR/VAPOR BARRIER
AWRB	AIR-AND-WATER-RESISTIVE BARRIER
BEJ	BUILDING EXPANSION JOINT
BTWN	BETWEEN
CB	ROOF COVER BOARD
CJ	CONTROL JOINT
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CONT	CONTINUOUS
DIM	DIMENSION
DWG	DRAWING
DWG'S	DRAWINGS
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
EQ	EQUAL
FRP	FIBERGLASS REINFORCED PLASTIC
FRT	FIRE-RETARDANT-TREATED
GALV	GALVANIZED
GWB	GYPSUM WALL BOARD
HORIZ	HORIZONTAL
HVAC	HEATING, VENTILATION & AIR CONDITIONING
INSUL	INSULATION
JSA	JOINT STABILIZING ANCHOR
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LSL	LAMINATED STRAND LUMBER
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
MSRY	MASONRY
MO	MASONRY OPENING
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
PST	PARALLEL STRAND LUMBER
PT	PRESSURE TREATED
REQ'D	REQUIRED
SCHED	SCHEDULED
SIM	SIMILAR
SPEC'D	SPECIFIED
SPEC	SPECIFICATIONS
SPF	SPRAYED POLYURETHANE FOAM INSULATION
SS	STAINLESS STEEL
STRUC	STRUCTURAL
TB	THERMAL BARRIER ROOF BOARD
TYP	TYPICAL
T/	TOP OF (I.E. SLAB OR MASONRY)
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VR	HEAVY-DUTY VAPOR RETARDER/TEMPORARY ROOF MEMBRANE

SYMBOLS

- 100 — DOOR NUMBER
- PROCESS ROOM / 100 — ROOM NAME & NUMBER
- W01 — WINDOW NUMBER
- LV-01 — LOUVER NUMBER
- FE — FIRE EXTINGUISHER
- T/PARAPET 100.00 — LEVEL INDICATOR
- A / AR-001 — SECTION FLAG
- PARTIAL PLAN OR DETAIL / 1 / AR-001

BUILDING CODE SUMMARY:

PROJECT NAME: PFAS TREATMENT FOR GRANDVIEW WELL Nos. 67/78 — PROJECT LOCATION: ROCKLAND COUNTY, NEW YORK

APPLICABLE CODES:
2025 BUILDING CODE OF NEW YORK STATE (BCNYS)
2025 FIRE CODE OF NEW YORK STATE (FCNYS)
2025 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE (ECCCNYS)

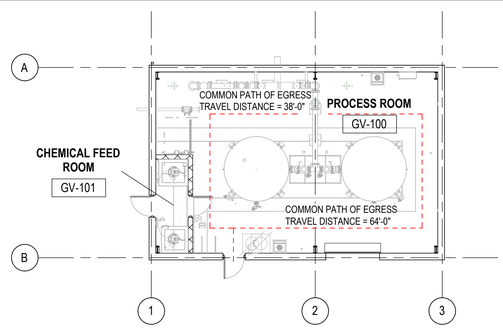
OCCUPANCY CLASSIFICATION & USE	SECTION 306	MODERATE - HAZARD FACTORY INDUSTRIAL, GROUP F-1
	TABLE 508.4	SINGLE - USE OCCUPANCY, NON-SEPARATED
TYPE OF CONSTRUCTION	SECTION 602	TYPE II-B

		CODE REFERENCE	REQUIRED/ ALLOWED	ACTUAL
FIRE RATING REQUIREMENTS	STRUCTURAL FRAME	TABLE 601	0 HOUR	0 HOUR
	BEARING WALLS	TABLE 601 & 602	0 HOUR	0 HOUR
	NON-BEARING WALLS	TABLE 601	0 HOUR	0 HOUR
	FLOOR CONSTRUCTION	TABLE 601	0 HOUR	0 HOUR
	ROOF CONSTRUCTION	TABLE 601	0 HOUR	0 HOUR
BUILDING HEIGHT		TABLE 504.3/ 504.4	NON-SPRINKLERED, 55FT (2 STORIES)	23 FT (1 STORY)
BUILDING AREA		TABLE 506.2	NON-SPRINKLERED, 15,500 SF	1,325 SF
CEILING HEIGHT		SECTION 1207.2	7'-6" MIN	20 FT CLEAR
MEANS OF EGRESS	OCCUPANT LOAD	TABLE 1004.5	INDUSTRIAL AREAS = 100 SF GROSS PER OCCUPANT	1,325 @ 100 SF GROSS PER OCCUPANT = 14 OCCUPANTS
	EGRESS WIDTH	SECTION 1005.1	44" MIN	44" MIN
	NUMBER OF EXITS	TABLE 1006.2.1	(1) EXIT, 75 FT MAX	SEE PLAN FOR EXIT ACCESS TRAVEL DISTANCE (70 FEET MAX)
	DOOR WIDTH	SECTION 1010.1.1	32" MIN CLEAR WIDTH	36" DOORS (34" CLEAR)
FIRE PROTECTION	AUTOMATIC SPRINKLER	SECTION 903.2.5	NOT REQUIRED	NON-SPRINKLERED
	PORTABLE FIRE EXTINGUISHERS	SECTION 906	REQUIRED	SEE PLAN FOR LOCATIONS
	FIRE ALARM AND DETECTION	SECTION 907.2.5	NOT REQUIRED	REQUIRED PER VILLAGE OF MONTEBELLO LOCAL CODE, SECTION 89-34
	FIRE COMMAND CENTER	SECTION 911	NOT REQUIRED	N/A
	CARBON MONOXIDE DETECTION	SECTION 915	NOT REQUIRED	N/A

2025 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK (ECCCNYS)

BUILDING THERMAL ENVELOPE-SECTION R402
LOCATION: ZONE 5A - ROCKLAND COUNTY
OCCUPANCY TYPE: MODERATE-HAZARD FACTORY INDUSTRIAL, GROUP F-1
OPAQUE THERMAL ENVELOPE - TABLE C402.1.4

ENVELOPE COMPONENT	REQUIRED/ ALLOWED	PROPOSED
WALLS - METAL BUILDINGS	R-13 + R-14.9 ci	R-26ci
WALLS - MASS	R-13.3 ci	R-15.ci
ROOFS - METAL BUILDINGS	R-19 + R-11 LS	R-30ci
SLAB-ON-GRADE FLOORS - UNHEATED	R-15 FOR 24" BELOW GRADE	R-15 FOR 24" BELOW GRADE



EGRESS PLAN

No.	Issue	Checked	Approved	Date
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Author **C. SMITH** — Drafting Check **S. PIKE** — Project Manager **N. HYDE**
Designer **C. SMITH** — Design Check **K. MORRIS** — Project Director **J. SURTI**

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Project **PFAS TREATMENT FOR GRANDVIEW WELL NO. 67/78**

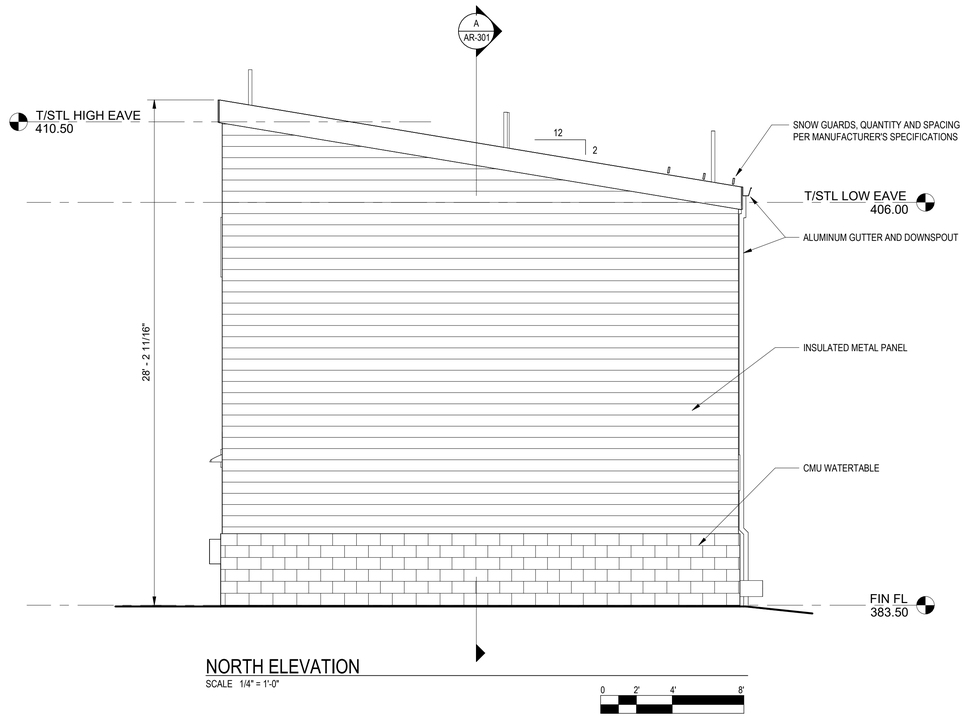
Project No. **12646436** — Date **SEPTEMBER 2026** — Scale **As indicated**

Title **LEGENDS, ABBREVIATIONS, ISOMETRIC VIEW, AND CODE COMPLIANCE**

Size **ARCH D**

Sheet No. **AR-001**

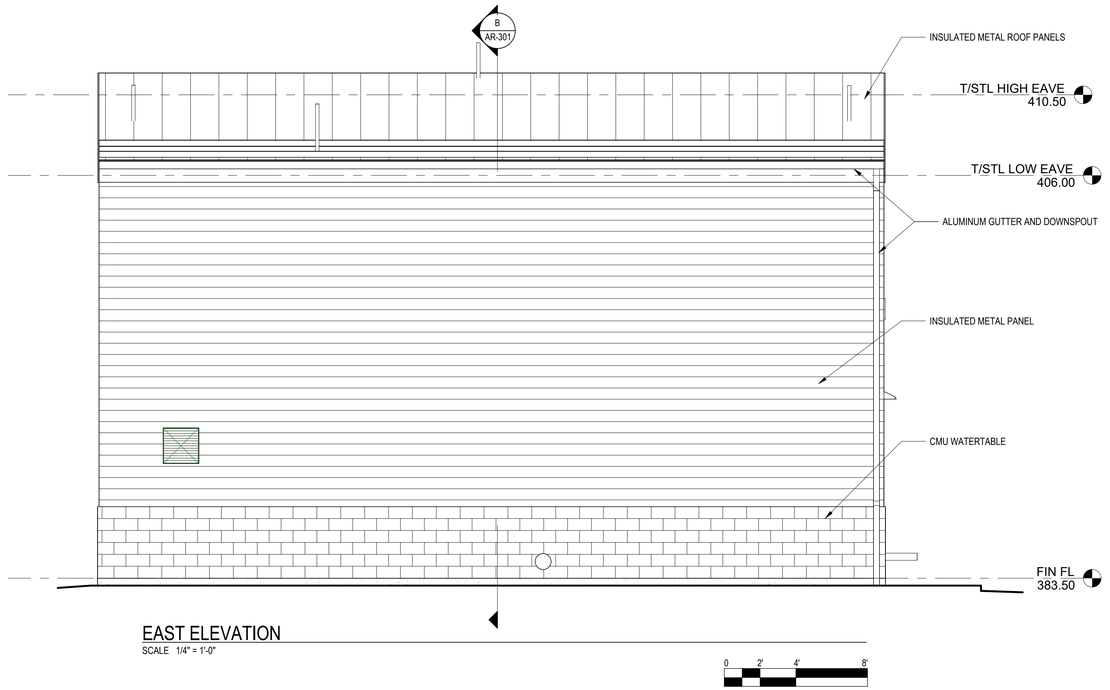
Plot Date: 9/11/2026 4:52:07 PM — Plotted By: P. ELIA — Path and File Name: Autodesk Docs://12646436-Veolia-Gview-SRIver/12646436-GHD-GV-MDL-IMP-AR-00001.rvt



NORTH ELEVATION

SCALE 1/4" = 1'-0"

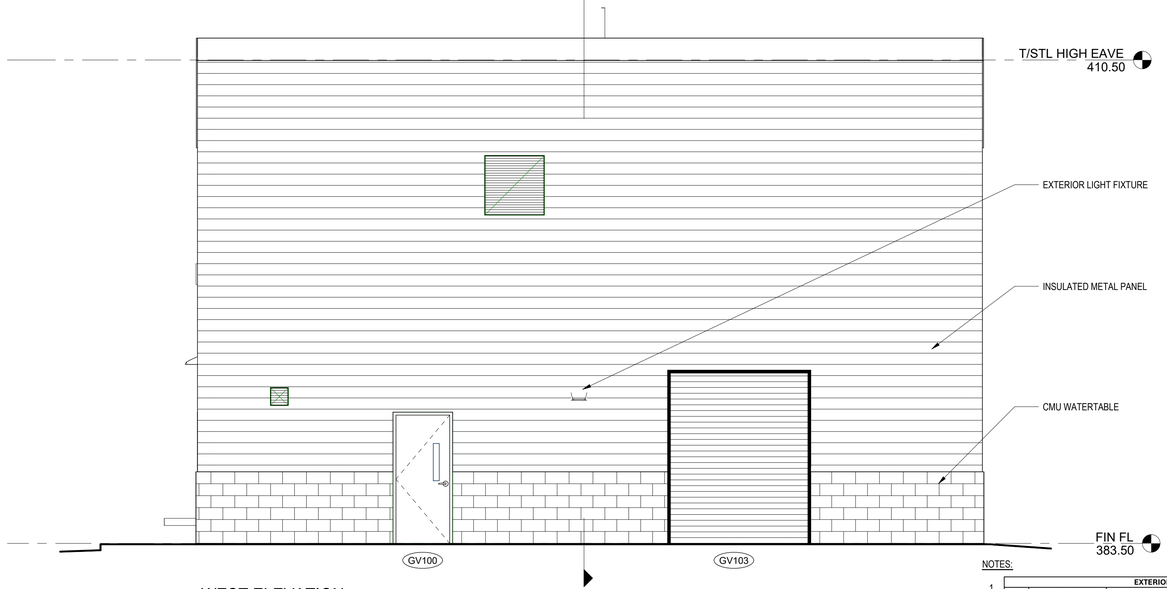
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EAST ELEVATION

SCALE 1/4" = 1'-0"

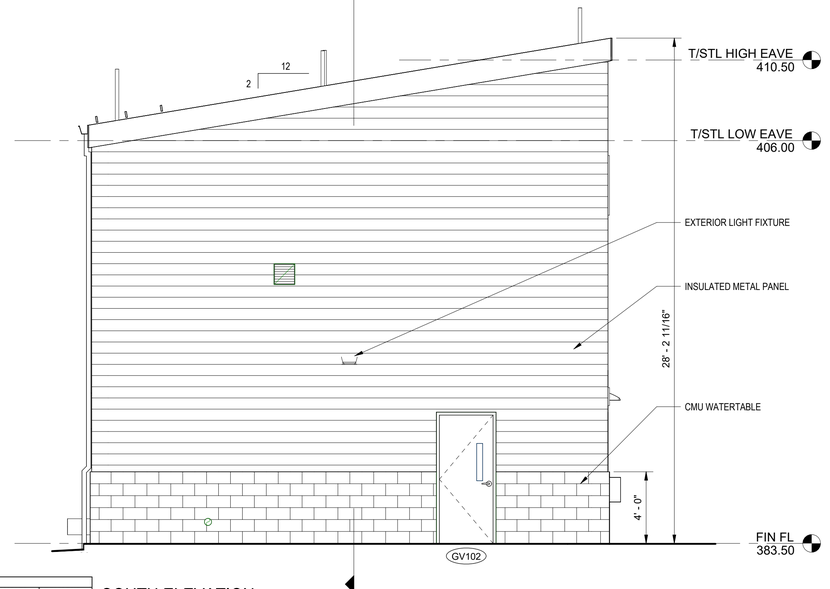
0 2' 4' 8'



WEST ELEVATION

SCALE 1/4" = 1'-0"

0 2' 4' 8'



SOUTH ELEVATION

SCALE 1/4" = 1'-0"

0 2' 4' 8'

NOTES:

1.

EXTERIOR LIGHTING FIXTURE SCHEDULE

QTY	MANUFACTURERS AND SERIES	DESCRIPTION	LUMENS	VOLTS (WATTS)	REMARKS
2	CURRENT LIGHTING BEACON WIPER WALL 2	DARKSKY APPROVED LED WALL PACK FIXTURE WITH MICRO-STRIKE OPTICS, CORROSION-RESISTANT DIE-CAST ALUMINUM HOUSING WITH POWDER COAT FINISH, 48 LEDS, 3000K COLOR TEMP, 70 CRI, TYPE 3 DISTRIBUTION, EMERGENCY BATTERY BACK	2,003	120	WALL MOUNTED, 10'-0" ABOVE GRADE

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Author **C. SMITH** Drafting Check **S. PIKE** Project Manager **N. HYDE**

Designer **C. SMITH** Design Check **K. MORRIS** Project Director **J. SURTI**

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Project **PFAS TREATMENT FOR GRANDVIEW WELL NO. 67/78**

Title **EXTERIOR ELEVATIONS**

Size **ARCH D**

Project No. **12646436**

Date **SEPTEMBER 2026**

Scale **1/4" = 1'-0"**

Sheet No. **AR-201**

Plot Date: 9/11/2026 4:52:29 PM Plotted By: P. ELIA Path and File Name: Autodesk Docs://12646436-Veolia-Gview-SRiver/12646436-GHD-GV-MDL-IMP-AR-00001.rvt