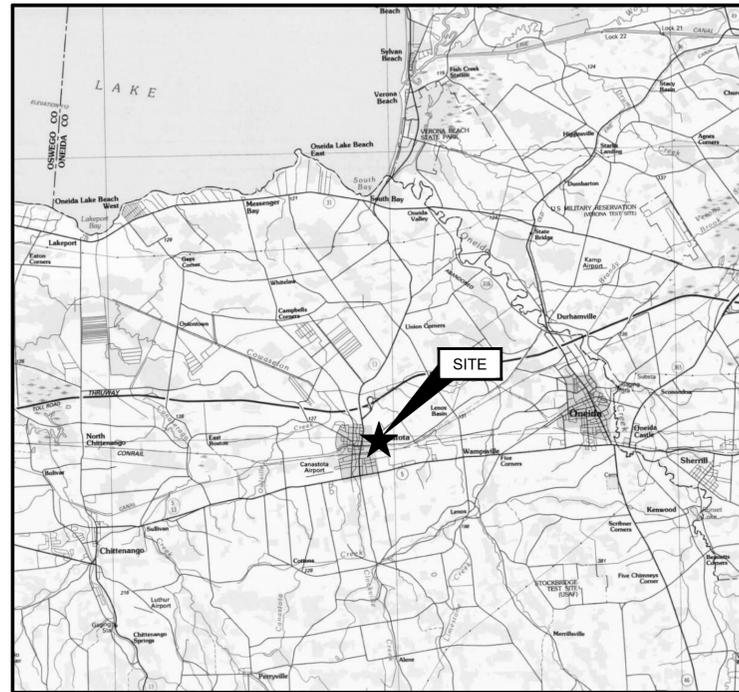


REMEDIAL DESIGN DRAWINGS

FORMER CANASTOTA MANUFACTURED GAS PLANT (MGP) SITE
 NYSDEC SITE NO. 727014
 CANASTOTA, NEW YORK



SOURCE:
 U.S.G.S. TOPOGRAPHIC MAPS, 1:100,000, UTICA, NY, 1985.

REGIONAL MAP

SCALE: 1 INCH = 2 MILES

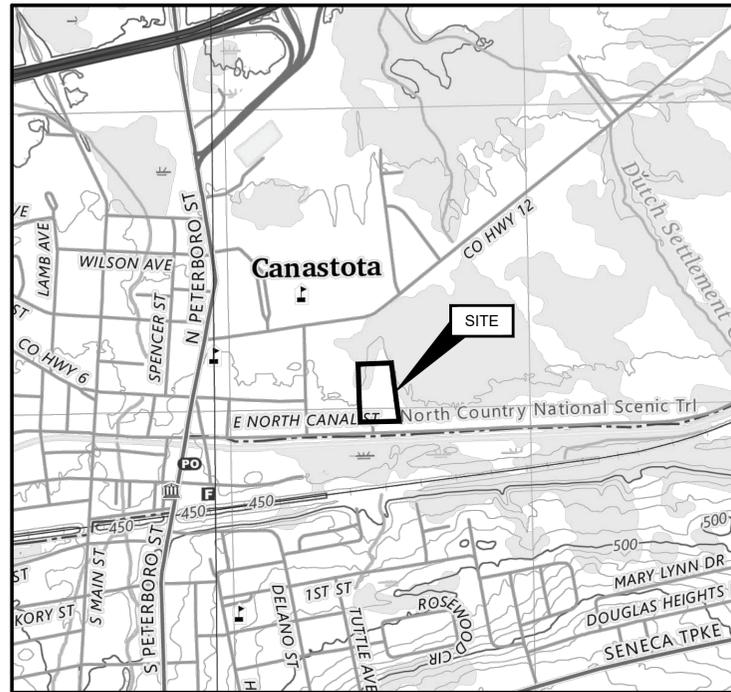


UDIG-NY
 SAFE DIGGING STARTS HERE

[HTTPS://UDIGNY.ORG](https://udigny.org)



[HTTPS://UDIGNY.ORG](https://udigny.org)



SOURCE:
 U.S.G.S. TOPOGRAPHIC MAPS, 1:24,000, CANASTOTA AND ONEIDA, NY, 2023.

SITE LOCATION MAP

SCALE: 1 INCH = 1000 FEET

PREPARED FOR:

nationalgrid

300 ERIE BOULEVARD WEST
 SYRACUSE, NY 13202

PREPARED BY:

GEI CONSULTANTS, INC., P.C.
 1301 TRUMANSBURG ROAD
 SUITE N
 ITHACA, NY 14850
 (607)216-8955



GEI PROJECT NO. 034390

SHEET INDEX

SHEET NO.	DRAWING NO.	TITLE
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2	G-002	NOTES AND LEGEND
3	C-101	EXISTING CONDITIONS PLAN
4	C-102	SUBSURFACE EXPLORATION PLAN
5	C-103	LIMIT OF WORK / STAGING PLAN
6	C-104	HAUL ROUTE PLAN
7	C-105	EROSION AND SEDIMENTATION CONTROL PLAN
8	C-106	TEMPORARY FACILITIES PLAN
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Warning:

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					DWG. NO.
					G-001
1	3/3/2026	CONFORMED FOR CONSTRUCTION		PJS	
NO.	DATE	ISSUE/REVISION		APP	

CONFORMED FOR CONSTRUCTION

GENERAL NOTES:

- EXCEPT AS SPECIFICALLY NOTED, ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS.
- DURING CONSTRUCTION, CONTRACTOR MAY ENCOUNTER EXISTING CONDITIONS WHICH ARE NOT NOW KNOWN OR ARE AT VARIANCE WITH THE PROJECT DOCUMENTATION. ANY DISCREPANCY BETWEEN THE CONTRACT DOCUMENTS AND THE FIELD SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONSTRUCTION ADMINISTRATOR, FORMALLY. IF NECESSARY, THE CONSTRUCTION ADMINISTRATOR WILL PROVIDE REVISED DRAWINGS. CONSTRUCTION SHALL BEGIN ONCE THE REVISIONS ARE APPROVED BY THE OWNER OR CONSTRUCTION ADMINISTRATOR.
- THE UTILITIES SHOWN ON THESE DRAWINGS REPRESENT THE BEST INFORMATION AVAILABLE AS OBTAINED FROM EXISTING PLANS AND UTILITY RECORDS. THIS INFORMATION DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING ALL UTILITY OWNERS WITHIN THE INFLUENCE OF THE PROJECT, PER STATE REQUIREMENTS.
- DO NOT SCALE DRAWINGS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, AND NOTES, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN. DETAILS ON DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
- CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY. SITE SAFETY SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. CONTRACTOR SHALL PROVIDE CONTACT INFORMATION FOR THE SITE SAFETY REPRESENTATIVE TO OWNER AND CONSTRUCTION ADMINISTRATOR.
- UNLESS OTHERWISE NOTED OR APPROVED, CONSTRUCTION ACTIVITIES SHALL NOT BE CONDUCTED OUTSIDE THE DELINEATED PROJECT LIMITS.
- OBTAIN CONSTRUCTION ADMINISTRATOR'S APPROVAL PRIOR TO MAKING ANY SUBSTITUTIONS.
- THE SOIL BORING LOGS PROVIDED REPRESENT POINT INFORMATION. PRESENTATION OF THIS INFORMATION IN NO WAY INFERS SOIL OR GROUNDWATER CONDITIONS OTHER THAN IN THE LOCATION OF THAT SPECIFIC BORING.
- GROUNDWATER LEVEL IS SUBJECT TO CHANGE. CONTRACTOR SHALL VERIFY GROUND WATER LEVELS PRIOR TO ALL CONSTRUCTION. WATER LEVEL VERIFICATION, MONITORING, AND DEWATERING SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL MAKE AVAILABLE AND ACCESSIBLE ALL WORK TO ALLOW FOR INSPECTION BY OWNER, OWNER'S REPRESENTATIVE, OR REGULATORY AGENCY INSPECTORS.
- CONTRACTOR SHALL HAVE ACCESS TO THE SITE BETWEEN (7AM AND 7PM, MONDAY THROUGH FRIDAY). CONTRACTOR WORK HOURS SHALL BE BETWEEN 7AM AND 7 PM MONDAY THROUGH FRIDAY, UNLESS OTHERWISE APPROVED BY OWNER
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
- BEFORE PERFORMING ANY EXCAVATION ON THE SITE, CONTRACTOR SHALL CONTACT 811 IN ACCORDANCE WITH STATE REQUIREMENTS.
- THE WALL AND FACE OF ALL EXCAVATIONS GREATER THAN 4 FEET DEEP SHALL BE EFFECTIVELY GUARDED BY A SHORING SYSTEM OR OTHER EQUIVALENT MEANS IN ACCORDANCE WITH OSHA REQUIREMENTS AND REQUIRED PERMITS. TRENCHES OR EXCAVATIONS LESS THAN FIVE 4 FEET DEEP SHALL ALSO BE GUARDED WHEN EXAMINATION INDICATES THAT HAZARDOUS GROUND MOVEMENT MAY BE EXPECTED.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING THE EXCAVATION SUPPORT NEEDED TO SAFELY COMPLETE THE WORK IN CONFORMANCE WITH LOCAL, STATE AND FEDERAL CODES GOVERNING SHORING, SHEETING, AND BRACING OF EXCAVATIONS AND TRENCHES AND FOR PROTECTION AND SAFETY OF THE WORKERS AND OTHER CONSTRUCTION-RELATED PERSONNEL.
- LOOSE EXCAVATED MATERIAL SHALL NOT BE PLACED OR STORED IN WATERWAYS OR STORM DRAIN CHANNELS. ALL DISTURBED SURFACE AREAS SHALL BE SHAPED TO FACILITATE DRAINAGE AND AVOID PONDING AND SHALL BE RESTORED TO NEAR NATURAL OR PRE-CONSTRUCTION CONDITIONS.
- SURVEY WORK SHALL BE PERFORMED BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF NEW YORK.
- CONTRACTOR SHALL USE DESIGNATED STAGING/STORAGE AREAS AS SHOWN ON PLANS.
- UPON IDENTIFICATION OF ANY ERROR IN CONSTRUCTION, ERRORS AND PROPOSED SOLUTIONS SHALL BE DISCUSSED WITH THE CONSTRUCTION ADMINISTRATOR, PRIOR TO CORRECTING. CONTRACTOR SHALL FIX ERRORS AT NO COST TO THE OWNER.
- CONTRACTOR SHALL MAINTAIN THE SITE CLEAN AND FREE OF TRASH OR DEBRIS AT THE END OF EACH WORK DAY.
- CONTRACTOR SHALL PERFORM ALL NECESSARY SURVEY AND DATA COLLECTION NECESSARY DURING AND AFTER CONSTRUCTION, AND PROVIDE AS-BUILT DRAWINGS OF THE CONSTRUCTED PROJECT.
- COORDINATE AND HORIZONTAL REFERENCE BASED ON NEW YORK CENTRAL ZONE (3102) NORTH AMERICAN DATUM OF 1983 (NAD 83). ELEVATIONS ARE REPORTED IN FEET AND ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
- STORMWATER WILL BE DIVERTED TO THE EXTENT POSSIBLE AND CONTACT WATER WILL BE MANAGED AND TREATED.

- TEMPORARY OVERHEAD ELECTRIC SERVICE TO DPW GARAGE TO BE INSTALLED PRIOR TO CONSTRUCTION (BY OTHERS).
- PERMANENT UNDERGROUND ELECTRIC FROM UTILITY POLE TO SANITARY SEWER LIFT PUMP AND FUEL STATION TO BE RELOCATED PRIOR TO CONSTRUCTION (BY OTHERS).
- THE EXISTING UTILITY POLE EAST OF THE DPW GARAGE THAT IS NO LONGER IN USE IS TO BE REMOVED AS PART OF THIS SCOPE OF WORK. REMOVAL SHALL BE IN ACCORDANCE WITH THE NATIONAL GRID ENVIRONMENTAL GUIDANCE DOCUMENT (EG-1102) FOR WOOD PRODUCT RETIREMENT, RECYCLING AND DISPOSAL.
- PRIOR TO FINAL SITE RESTORATION AND PAVING INSTALL PERMANENT UNDERGROUND ELECTRIC SERVICE FROM THE UTILITY POLE TO THE DPW GARAGE AS SHOWN. REMOVE OVERHEAD SERVICE AND ASSOCIATED COMPONENTS.
- PRIOR TO DEMOBILIZING FROM THE SITE THE LENOX AMBULANCE FACILITY DRIVEWAY SHALL BE LEFT IN A CONDITION EQUAL TO OR BETTER THAN THE CONDITION AT THE START OF THE WORK.
- ISS OFFSET FROM DPW GARAGE AND SALT STORAGE UNIT TO BE 15'-0" AND 10'-0", RESPECTIVELY.

ANTICIPATED CONSTRUCTION SEQUENCE:

- PROCUREMENT OF REQUIRED PERMITS.
- MOBILIZATION INCLUDING COORDINATION WITH THE VILLAGE OF CANASTOTA TO RELOCATE VEHICLES, EQUIPMENT, MATERIALS, AND OTHER ITEMS STORED WITHIN THE PROPOSED WORK AREA.
- COMPLETE EXISTING CONDITIONS DOCUMENTATION (PRE-CONSTRUCTION SURVEY) AND UTILITY CLEARANCE.
- CALL NEW YORK 811 IN ACCORDANCE WITH STATE REQUIREMENTS PRIOR TO COMMENCEMENT OF ANY EXCAVATION.
- IMPLEMENT THE CONTRACTOR'S HEALTH AND SAFETY PLAN INCLUDING THE CONTRACTOR'S CONSTRUCTION AIR MONITORING PROGRAM.
- CONDUCT PRE-CHARACTERIZATION PROGRAM AND IMPORT MATERIALS TESTING. PROVIDE ANALYTICAL TEST RESULTS TO CONSTRUCTION ADMINISTRATOR (CA). PROVIDE ADEQUATE LEAD TIME FOR CA TO SUBMIT REQUEST TO IMPORT MATERIAL TO NYSDEC FOR APPROVAL IN ACCORDANCE WITH THE SPECIFICATIONS SO AS TO NOT CAUSE A DELAY IN THE WORK..
- INSTALL TEMPORARY FACILITIES AND CONTROLS, INCLUDING:
 - TEMPORARY FENCING / SITE SECURITY / SIGNAGE
 - EROSION CONTROLS
 - SURFACE PROTECTION
 - STOCK PILE PADS
 - DECON PADS
 - TEMPORARY WORK SITE ENTRANCE AND ANTI-TRACKING PADS
 - WATER TREATMENT SYSTEM
 - DEWATERING SYSTEM
- RELOCATE THE SANITARY SEWER. REFER TO SANITARY SEWER ANTICIPATED CONSTRUCTION SEQUENCE FOR DETAILS.
- REMOVE AND DISPOSE OF UTILITY POLE.
- EXCAVATE TO EXPOSE AND VERIFY GAS HOLDER LOCATION.
- EXCAVATE PRE-CUT TO ELEVATION(S) SHOWN HEREIN.
- TRANSPORT AND DISPOSE OF EXCAVATED MATERIAL.
- REMOVE TAR WELL AND HOT WELL. PROVIDE TEMPORARY SHORING AS NECESSARY.
- PROVIDED ACCESS FOR VISUAL OBSERVATION OF FINAL SUBGRADE AND ASSIST THE CONSTRUCTION ADMINISTRATOR WITH COLLECTION OF DOCUMENTATION SAMPLES IF REQUIRED. IF PERSONNEL WILL BE INSIDE THE EXCAVATION, PROVIDE MEANS OF SAFE ACCESS AND EGRESS.
- PERFORM ISS.
- DEWATER SOIL WITHIN LENOX PROPERTY TO BE EXCAVATED.
- EXCAVATE LENOX PROPERTY TO ELEVATIONS SHOWN ON THE CONTRACT DRAWINGS.
- TRANSPORT AND DISPOSE OF EXCAVATED MATERIAL.
- PROVIDED ACCESS FOR VISUAL OBSERVATION AND COLLECTION OF DOCUMENTATION SAMPLES FROM THE BOTTOM OF THE EXCAVATION.
- BACKFILL IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- INSTALL UNDERGROUND ELECTRIC SERVICE FROM UTILITY POLE TO DPW GARAGE AND REMOVE OVERHEAD ELECTRIC SERVICE.
- WOODEN SHED ADJACENT TO FUEL STATION TO BE DEMOLISHED PRIOR TO COMPLETING SITE RESTORATION.
- COMPLETE SITE RESTORATION INCLUDING INSTALLATION OF PERMANENT CHAIN LINK FENCE AND GATES.
- DEMOBILIZE.

SANITARY SEWER RELOCATION ANTICIPATED CONSTRUCTION SEQUENCE:

- INSTALL BYPASS PUMPING FOR EXISTING SANITARY SEWER FORCE MAIN.
- SOFT DIG TO LOCATE SANITARY SEWER FORCE MAIN AT TIE-IN LOCATION AND UTILITIES ALONG PROPOSED SANITARY SEWER FORCE MAIN ALIGNMENT IN ACCORDANCE WITH THE SPECIFICATIONS.
- ACTIVATE BYPASS PUMPING OF THE SANITARY SEWER FORCE MAIN FROM THE PUMP STATION.
- EXCAVATE, INSTALL AND BACKFILL MANHOLES AND SANITARY SEWER FORCE MAIN AS SHOWN IN THE DRAWINGS.
 - PERFORM WASTE CHARACTERIZATION SAMPLING AND ANALYSIS. ACQUIRE ACCEPTANCE FOR DISPOSAL AT NATIONAL GRID APPROVED DISPOSAL FACILITIES. DISPOSE OF EXCAVATED MATERIAL AT APPROVED FACILITIES.
 - COMPLETE INSTALLATION OF SANITARY SEWER FORCE MAIN OUTLET TO EXISTING MANHOLE NEAR DPW GARAGE.
 - PERFORM PRESSURE TESTING OF FORCE MAIN.
 - COMPLETE CONNECTION OF NEWLY INSTALLED SANITARY SEWER FORCE MAIN TO EXISTING FORCE MAIN WITHIN NEW MANHOLE ADJACENT TO PUMP STATION.
- ABANDON EXISTING SANITARY SEWER FORCE MAIN BY FLUSHING AND THEN FILLING WITH SELF-LEVELING FLOWABLE FILL AS SHOWN IN THE DRAWINGS.
- COMPLETE POST-CONSTRUCTION TELEVISION OF FORCE MAIN.
- COMPLETE SITE RESTORATION
- DEMOBILIZE
- CLOSE OUT PERMIT(S) ASSOCIATED WITH THE SANITARY SEWER RELOCATION WORK.
- PROVIDE ALL REQUIRED DOCUMENTATION OF THE WORK TO THE CA IN ACCORDANCE WITH THE SPECIFICATIONS.

LEGEND:

- MW-01 MONITORING WELL
- SB-19 SOIL BORING
- SS-01 SOIL SAMPLE
- TP-1 TEST PIT
- IA-1 AIR SAMPLE
- SG-3 SOIL VAPOR SAMPLE POINT
- SITE PROPERTY BOUNDARY
- OFFSITE PROPERTY BOUNDARY
- CHAIN-LINK FENCE
- EXISTING STRUCTURE
- HISTORIC STRUCTURE
- ASPHALT PAVEMENT
- CONCRETE
- GRAVEL
- GAS LINE
- OVERHEAD WIRE
- SANITARY SEWER LINE
- STORM SEWER LINE
- UNDERGROUND ELECTRIC LINE
- WATER LINE
- UTILITY POLE
- CATCH BASIN
- GAS VALVE
- WATER VALVE
- PROPOSED REVISED REMEDIAL AREA
- TOP OF PRE-CUT SLOPE
- SLOPE CUT
- EXCAVATION - NO ISS
- ISS
- ACCESS ROAD

CONFORMED FOR CONSTRUCTION

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Attention:
0 1"
If this scale bar does not measure 1" then drawing is not original scale.

Designed:	CUJ
Drawn:	PHH
Checked:	PJS
Approved:	PJS
P.E. No.:	100361
GEI Project	034390



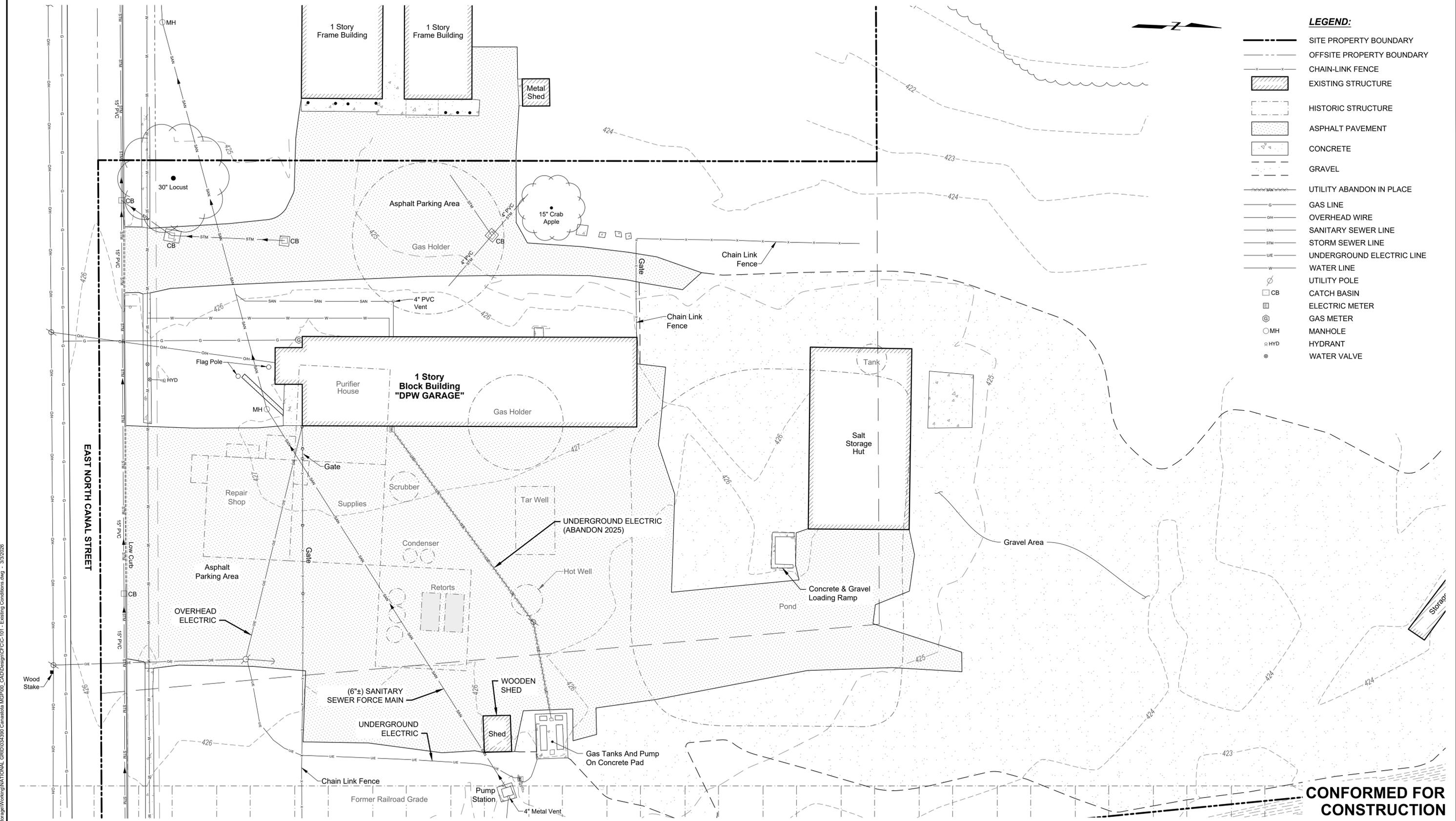
NATIONAL GRID
300 ERIE
BOULEVARD WEST
SYRACUSE, NEW YORK
nationalgrid

**REMEDIAL DESIGN
FORMER CANASTOTA
MANUFACTURED
GAS PLANT (MGP) SITE**
NYSDEC SITE NO. 727014
CANASTOTA, NEW YORK

1	3/3/2026	CONFORMED FOR CONSTRUCTION	PJS
NO	DATE	ISSUE/REVISION	APP

SHEET NAME
NOTES AND LEGEND

SHEET NO.
G-002



- LEGEND:**
- SITE PROPERTY BOUNDARY
 - OFFSITE PROPERTY BOUNDARY
 - x-x- CHAIN-LINK FENCE
 - [Hatched Box] EXISTING STRUCTURE
 - [Dashed Box] HISTORIC STRUCTURE
 - [Stippled Box] ASPHALT PAVEMENT
 - [Solid Box] CONCRETE
 - [Dotted Box] GRAVEL
 - UTILITY ABANDON IN PLACE
 - G GAS LINE
 - OH OVERHEAD WIRE
 - SAN SANITARY SEWER LINE
 - STM STORM SEWER LINE
 - UE UNDERGROUND ELECTRIC LINE
 - W WATER LINE
 - UTILITY POLE
 - CB CATCH BASIN
 - ⊕ ELECTRIC METER
 - ⊙ GAS METER
 - MH MANHOLE
 - ⊙ HYD HYDRANT
 - ⊗ WATER VALVE



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 Checked: PJS
 Approved: PJS
 P.E. No: 100361
 GEI Project 034390



NATIONAL GRID
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 BOULEVARD WEST
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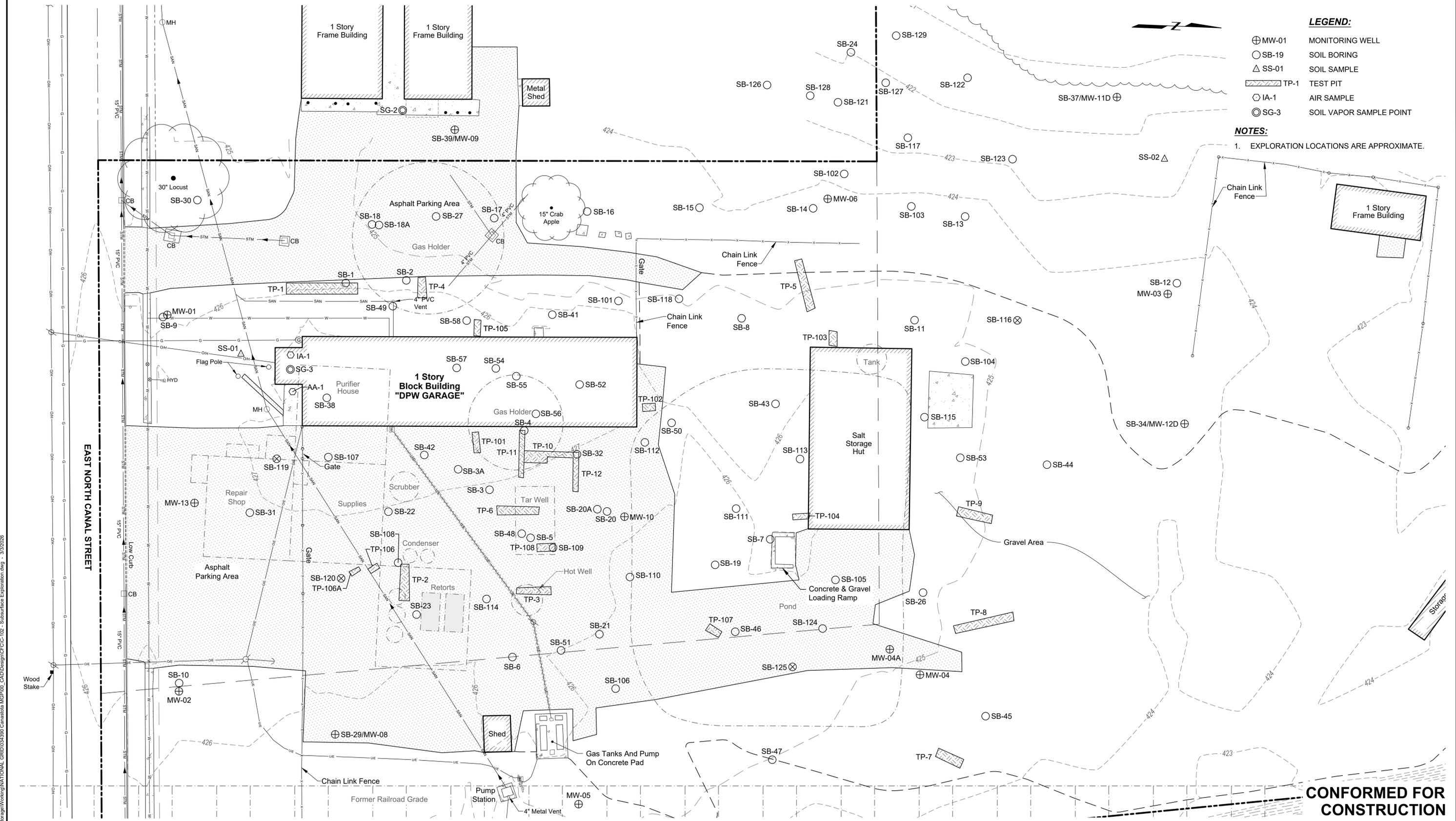
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NO	DATE	ISSUE/REVISION	APP
1	3/3/2026	CONFORMED FOR CONSTRUCTION	PJS

SHEET NAME
**EXISTING CONDITIONS
 PLAN**

SHEET NO.
 C-101

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- LEGEND:**
- ⊕ MW-01 MONITORING WELL
 - SB-19 SOIL BORING
 - △ SS-01 SOIL SAMPLE
 - ▨ TP-1 TEST PIT
 - IA-1 AIR SAMPLE
 - ⊙ SG-3 SOIL VAPOR SAMPLE POINT

NOTES:
1. EXPLORATION LOCATIONS ARE APPROXIMATE.

EAST NORTH CANAL STREET

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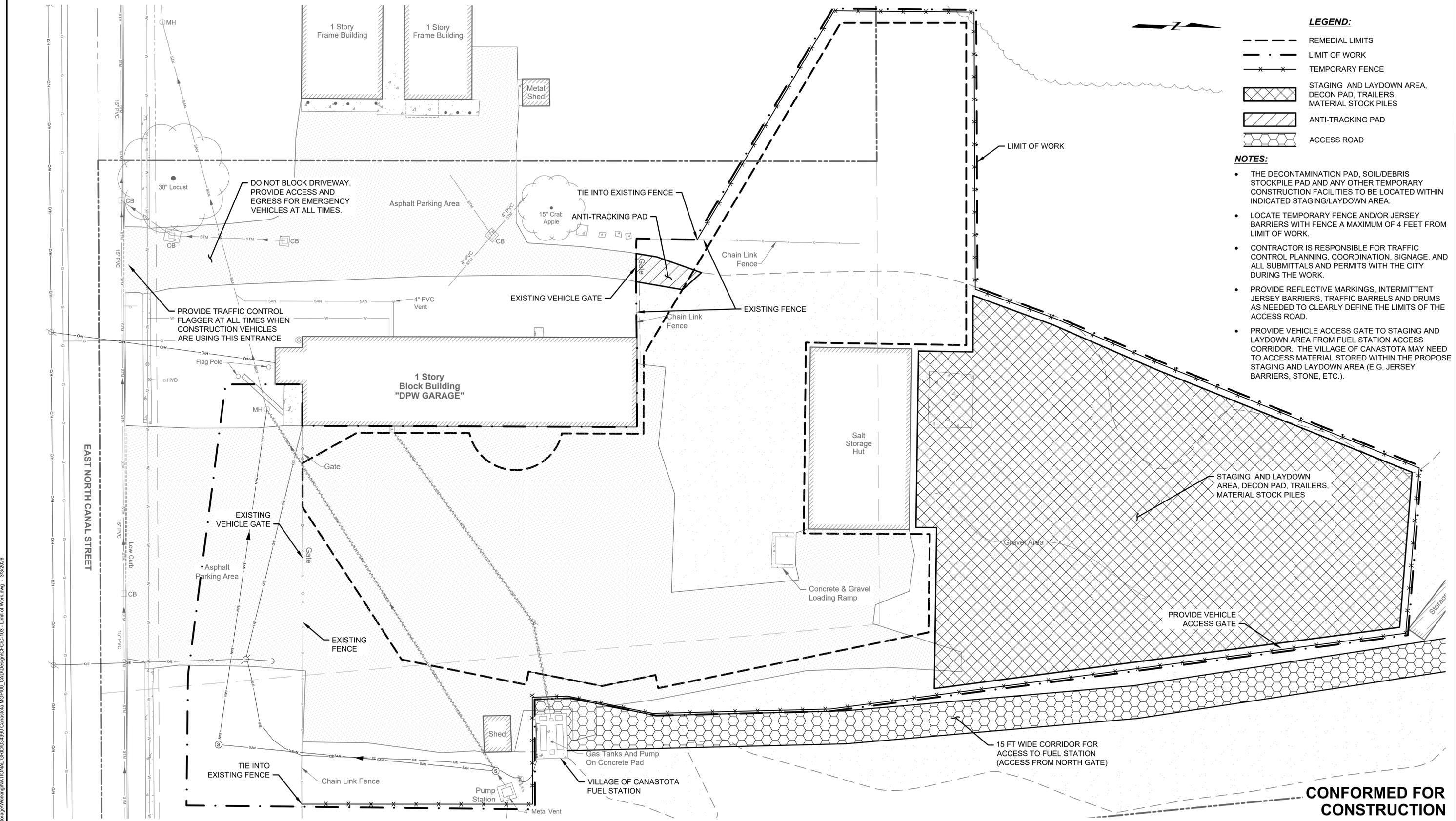
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NO	DATE	ISSUE/REVISION	APP
1	3/3/2026	CONFORMED FOR CONSTRUCTION	PJS

SHEET NAME	SHEET NO.
SUBSURFACE EXPLORATION PLAN	C-102

HEBLOT, PAULA \gisc\ins\clients\com\title\data\Storage\Working\NATIONAL_GRID\034390\Canastota MGP\03_CADD\Design\CFCC-102 - Subsurface Exploration.dwg - 3/3/2026



LEGEND:

- REMEDIAL LIMITS
- - - LIMIT OF WORK
- x-x- TEMPORARY FENCE
- [Cross-hatched box] STAGING AND LAYDOWN AREA, DECON PAD, TRAILERS, MATERIAL STOCK PILES
- [Diagonal hatched box] ANTI-TRACKING PAD
- [Hexagonal pattern box] ACCESS ROAD

NOTES:

- THE DECONTAMINATION PAD, SOIL/DEBRIS STOCKPILE PAD AND ANY OTHER TEMPORARY CONSTRUCTION FACILITIES TO BE LOCATED WITHIN INDICATED STAGING/LAYDOWN AREA.
- LOCATE TEMPORARY FENCE AND/OR JERSEY BARRIERS WITH FENCE A MAXIMUM OF 4 FEET FROM LIMIT OF WORK.
- CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL PLANNING, COORDINATION, SIGNAGE, AND ALL SUBMITTALS AND PERMITS WITH THE CITY DURING THE WORK.
- PROVIDE REFLECTIVE MARKINGS, INTERMITTENT JERSEY BARRIERS, TRAFFIC BARRELS AND DRUMS AS NEEDED TO CLEARLY DEFINE THE LIMITS OF THE ACCESS ROAD.
- PROVIDE VEHICLE ACCESS GATE TO STAGING AND LAYDOWN AREA FROM FUEL STATION ACCESS CORRIDOR. THE VILLAGE OF CANASTOTA MAY NEED TO ACCESS MATERIAL STORED WITHIN THE PROPOSED STAGING AND LAYDOWN AREA (E.G. JERSEY BARRIERS, STONE, ETC.).



CONFORMED FOR CONSTRUCTION

HEBLOT_PAULA_1gncinstruments.com\data\Draw_SitePlan\Working\NATIONAL_GRID\034390_Canastota_MGP\03_CADD\Design\CFCC-103 - Limit of Work.dwg - 3/3/2026



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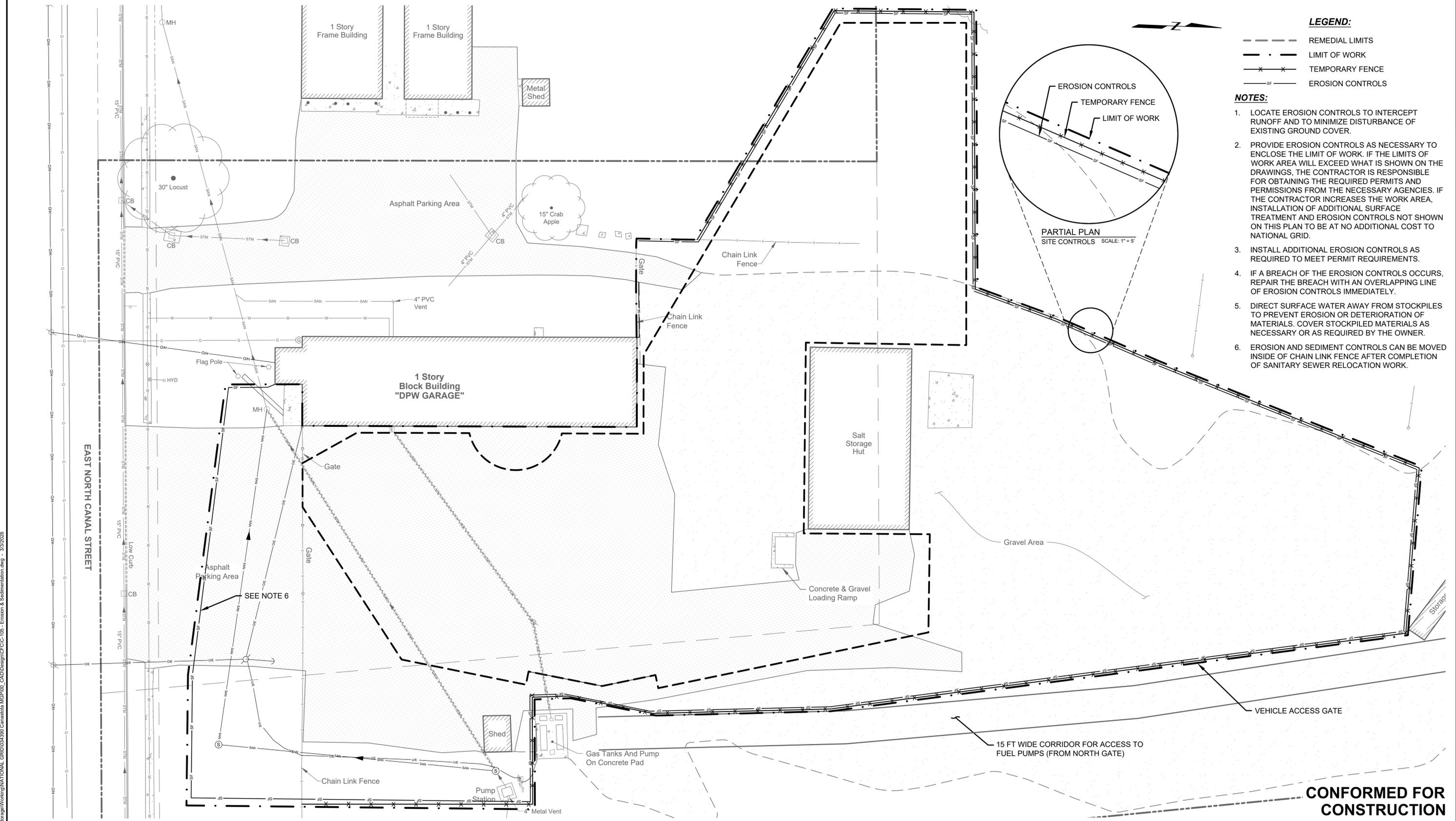


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SHEET NAME	SHEET NO.
LIMIT OF WORK / STAGING PLAN	C-103

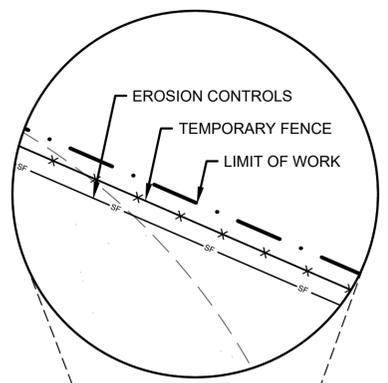


LEGEND:

- REMEDIAL LIMITS
- - - LIMIT OF WORK
- x-x- TEMPORARY FENCE
- sf- EROSION CONTROLS

NOTES:

1. LOCATE EROSION CONTROLS TO INTERCEPT RUNOFF AND TO MINIMIZE DISTURBANCE OF EXISTING GROUND COVER.
2. PROVIDE EROSION CONTROLS AS NECESSARY TO ENCLOSE THE LIMIT OF WORK. IF THE LIMITS OF WORK AREA WILL EXCEED WHAT IS SHOWN ON THE DRAWINGS, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE REQUIRED PERMITS AND PERMISSIONS FROM THE NECESSARY AGENCIES. IF THE CONTRACTOR INCREASES THE WORK AREA, INSTALLATION OF ADDITIONAL SURFACE TREATMENT AND EROSION CONTROLS NOT SHOWN ON THIS PLAN TO BE AT NO ADDITIONAL COST TO NATIONAL GRID.
3. INSTALL ADDITIONAL EROSION CONTROLS AS REQUIRED TO MEET PERMIT REQUIREMENTS.
4. IF A BREACH OF THE EROSION CONTROLS OCCURS, REPAIR THE BREACH WITH AN OVERLAPPING LINE OF EROSION CONTROLS IMMEDIATELY.
5. DIRECT SURFACE WATER AWAY FROM STOCKPILES TO PREVENT EROSION OR DETERIORATION OF MATERIALS. COVER STOCKPILED MATERIALS AS NECESSARY OR AS REQUIRED BY THE OWNER.
6. EROSION AND SEDIMENT CONTROLS CAN BE MOVED INSIDE OF CHAIN LINK FENCE AFTER COMPLETION OF SANITARY SEWER RELOCATION WORK.



PARTIAL PLAN
SITE CONTROLS SCALE: 1" = 5'

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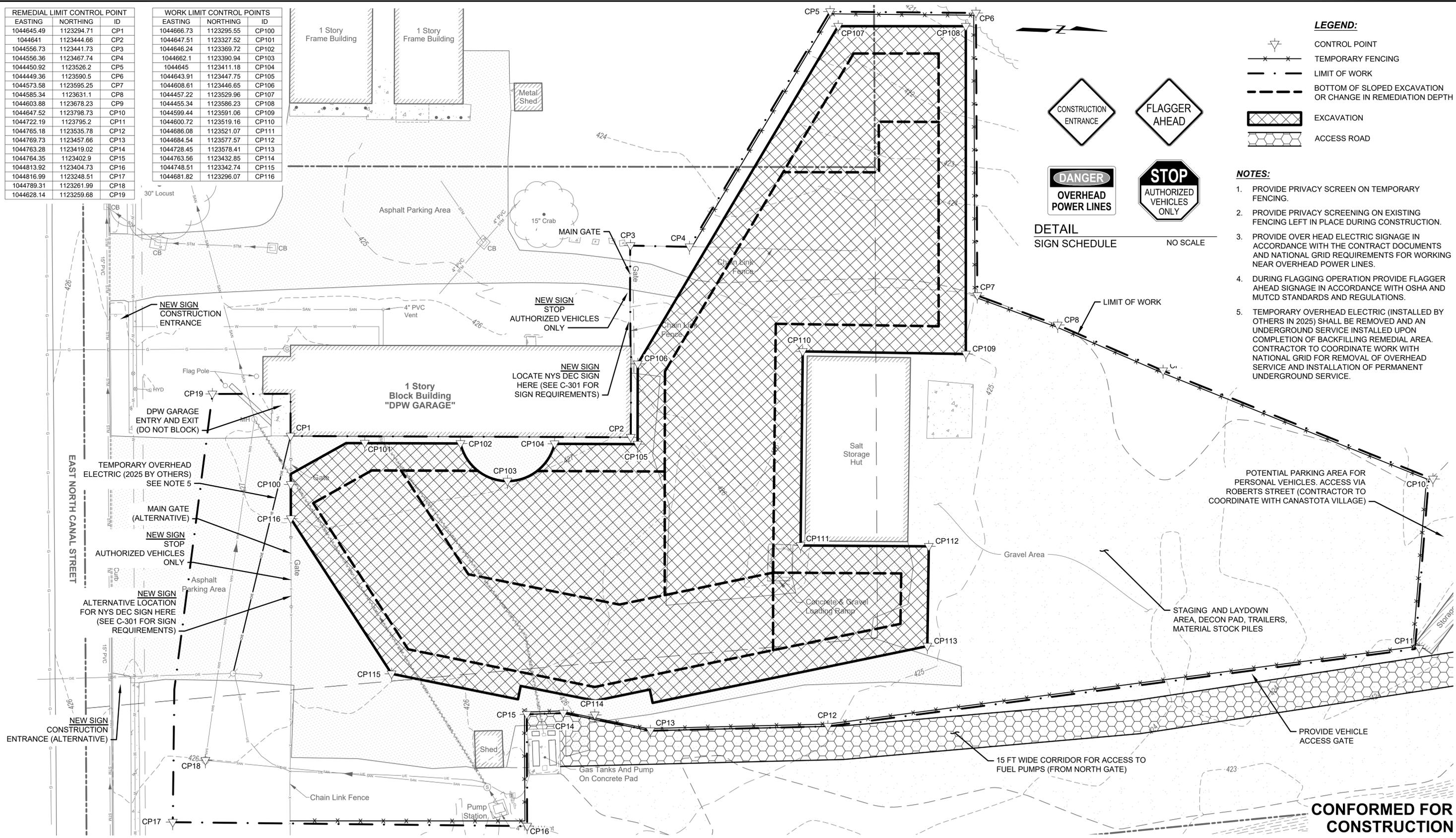
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SHEET NAME	SHEET NO.
EROSION AND SEDIMENTATION CONTROL PLAN	C-105

HEBLOT_PAULA_Vignette\insitu\National_Grid\034390_Canastota_MGP\03_CADD\Design\CFCC-05-Environr & Sedimentation.dwg - 3/2/2026

EASTING	NORTHING	ID
1044645.49	1123294.71	CP1
1044641	1123444.66	CP2
1044556.73	1123441.73	CP3
1044556.36	1123467.74	CP4
1044450.92	1123526.2	CP5
1044449.36	1123590.5	CP6
1044573.58	1123595.25	CP7
1044585.34	1123631.1	CP8
1044603.88	1123678.23	CP9
1044647.52	1123798.73	CP10
1044722.19	1123795.2	CP11
1044765.18	1123535.78	CP12
1044769.73	1123457.66	CP13
1044763.28	1123419.02	CP14
1044764.35	1123402.9	CP15
1044813.92	1123404.73	CP16
1044816.99	1123248.51	CP17
1044789.31	1123261.99	CP18
1044628.14	1123259.68	CP19

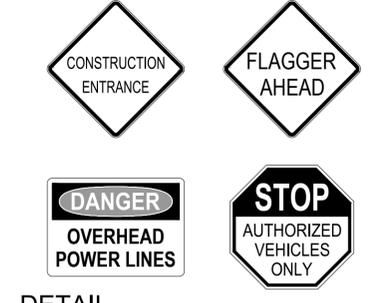
EASTING	NORTHING	ID
1044666.73	1123295.55	CP100
1044647.51	1123327.52	CP101
1044646.24	1123369.72	CP102
1044662.1	1123390.94	CP103
1044645	1123411.18	CP104
1044643.91	1123447.75	CP105
1044608.61	1123446.65	CP106
1044457.22	1123529.96	CP107
1044455.34	1123586.23	CP108
1044599.44	1123591.06	CP109
1044600.72	1123519.16	CP110
1044686.08	1123521.07	CP111
1044684.54	1123577.57	CP112
1044728.45	1123578.41	CP113
1044763.56	1123432.85	CP114
1044748.51	1123342.74	CP115
1044681.82	1123296.07	CP116



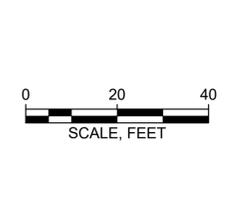
LEGEND:

- CONTROL POINT
- TEMPORARY FENCING
- LIMIT OF WORK
- BOTTOM OF SLOPED EXCAVATION OR CHANGE IN REMEDIATION DEPTH
- EXCAVATION
- ACCESS ROAD

- NOTES:**
- PROVIDE PRIVACY SCREEN ON TEMPORARY FENCING.
 - PROVIDE PRIVACY SCREENING ON EXISTING FENCING LEFT IN PLACE DURING CONSTRUCTION.
 - PROVIDE OVER HEAD ELECTRIC SIGNAGE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND NATIONAL GRID REQUIREMENTS FOR WORKING NEAR OVERHEAD POWER LINES.
 - DURING FLAGGING OPERATION PROVIDE FLAGGER AHEAD SIGNAGE IN ACCORDANCE WITH OSHA AND MUTCD STANDARDS AND REGULATIONS.
 - TEMPORARY OVERHEAD ELECTRIC (INSTALLED BY OTHERS IN 2025) SHALL BE REMOVED AND AN UNDERGROUND SERVICE INSTALLED UPON COMPLETION OF BACKFILLING REMEDIAL AREA. CONTRACTOR TO COORDINATE WORK WITH NATIONAL GRID FOR REMOVAL OF OVERHEAD SERVICE AND INSTALLATION OF PERMANENT UNDERGROUND SERVICE.



CONFORMED FOR CONSTRUCTION



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Attention:
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Designed:	CUJ
Drawn:	PHH
Checked:	PJS
Approved:	PJS
P.E. No.:	100361
GEI Project:	034390



NATIONAL GRID
300 ERIE
BOULEVARD WEST
SYRACUSE, NEW YORK

nationalgrid

**REMEDIAL DESIGN
FORMER CANASTOTA
MANUFACTURED
GAS PLANT (MGP) SITE**
NYSDEC SITE NO. 727014
CANASTOTA, NEW YORK

NO	DATE	ISSUE/REVISION	APP
1	3/3/2026	CONFORMED FOR CONSTRUCTION	PJS

SHEET NAME	SHEET NO.
TEMPORARY FACILITIES PLAN	C-106

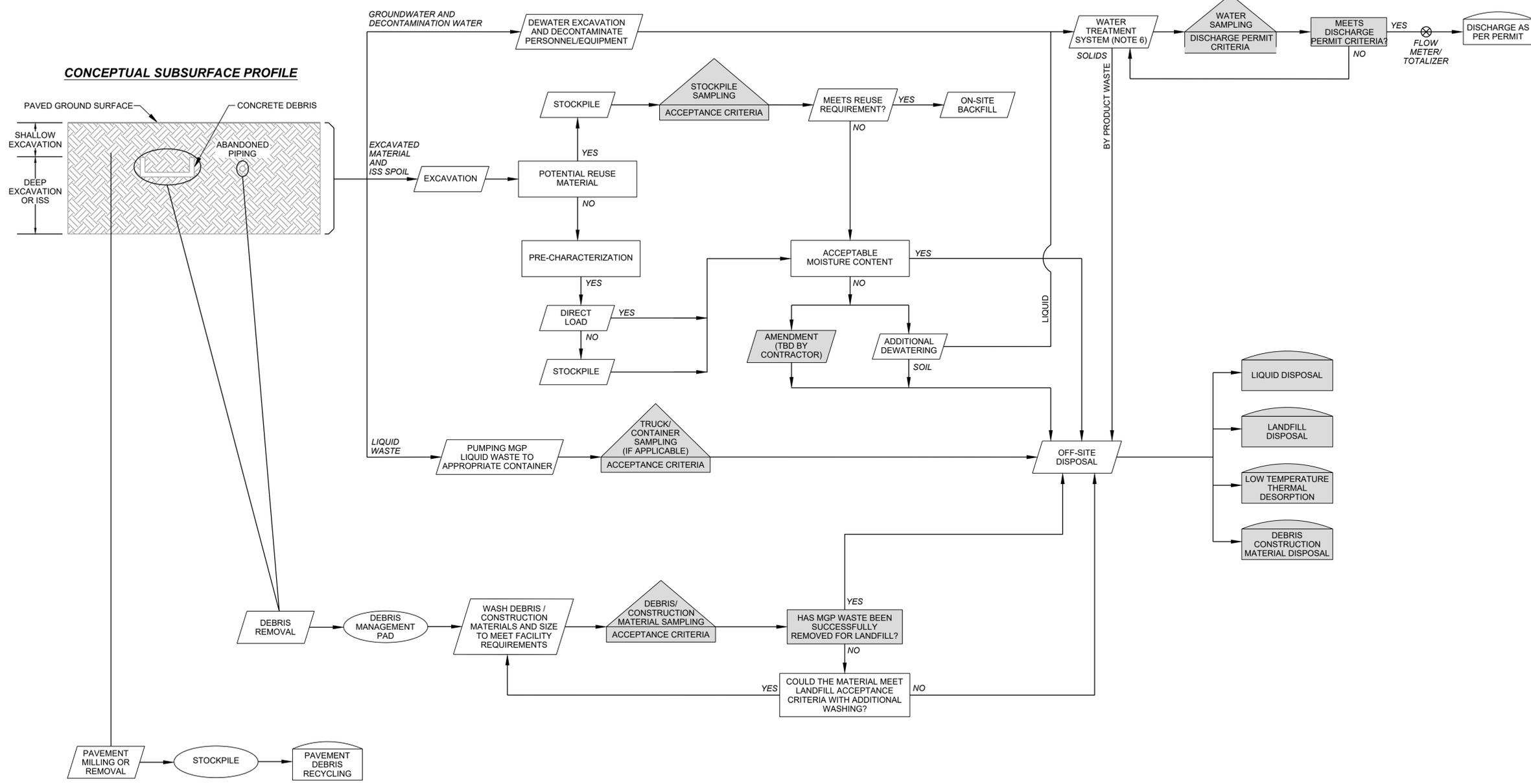
HEBLOT, PAULA | geiconsultants.com | ITHACA, NY | 3/3/2026

MATERIAL MANAGEMENT LEGEND:

1. ACTIVITIES IN A SHADED SHAPE TO BE PERFORMED AND/OR APPROVED BY CONSTRUCTION ADMINISTRATOR.

-  REMEDIATION ACTIVITY
-  DECISION ACTIVITY
-  SOIL/MATERIAL STOCKPILE
-  SAMPLING ACTIVITY
-  FINAL DISPOSITION

MATERIAL MANAGEMENT SCHEMATIC



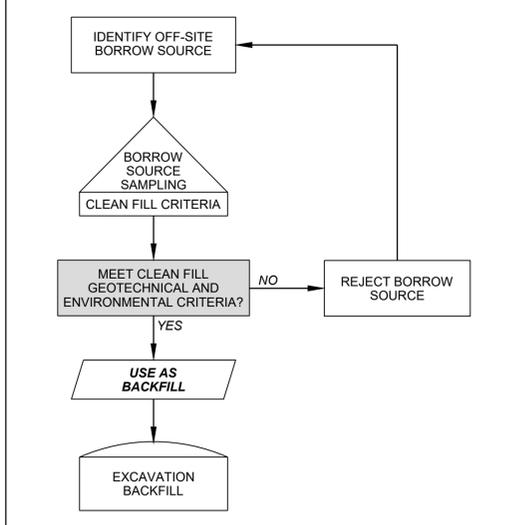
STOCKPILE NOTES:

1. SURVEY STOCKPILES TO ESTIMATE VOLUME FOR STOCKPILE SAMPLING AT A FREQUENCY DICTATED BY THE CONSTRUCTION ADMINISTRATOR.

MATERIAL MANAGEMENT NOTES:

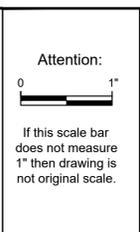
1. LIQUID WASTE INCLUDES NAPL, TAR, AND ANY TYPE OF VISIBLY CONTAMINATED MOBILE PRODUCT THAT CAN BE PUMPED.
2. CONSTRUCTION ADMINISTRATOR MAY MODIFY DISPOSITION OF SOIL AND DEBRIS BASED ON OBSERVATIONS DURING EXCAVATION TO A MORE STRINGENT CLASSIFICATION (I.E. RECLASSIFY MATERIAL SCHEDULED FOR NON-HAZARDOUS LANDFILL DISPOSAL TO THERMAL DESORPTION).
3. STABILIZE, STAGE, AND CONTAINERIZE MGP LIQUID WASTE THAT IS NOT BOUND TO SOIL/MATERIAL MATRIX FOR OFF-SITE TRANSPORTATION. DO NOT DILUTE AND MIX WITH STOCKPILED SOIL.
4. USE LINED, WATERTIGHT, HAZARDOUS WASTE RATED CONTAINERS FOR OFF-SITE DISPOSAL OF MGP LIQUID WASTE.
5. EXCAVATED MATERIAL INCLUDES NATIVE SOILS, FILL SOILS, ISS SWELL, AND DEBRIS SUCH AS CONCRETE OR OTHER FOUNDATION MATERIALS AND ABANDONED PIPING.
6. MINIMUM WATER TREATMENT SYSTEM COMPONENTS INCLUDE:
 - a. INFLUENT STORAGE
 - b. SEDIMENT FILTERS
 - c. GRANULAR ACTIVATED CARBON
 - d. ION-EXCHANGING RESIN
 - e. ORGANO-CLAY
 - f. pH BUFFERING
 - g. EFFLUENT STORAGE
7. FINAL TREATMENT SYSTEM DESIGN, COMPONENTS, TREATMENT MEDIA, AND SIZING TO BE COMPLETED BY THE CONTRACTOR AND SUBMITTED TO THE CONSTRUCTION ADMINISTRATOR.

BORROW SOURCE EVALUATION SCHEMATIC



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Checked:	PJS
Approved:	PJS
P.E. No.:	100361
GEI Project:	034390



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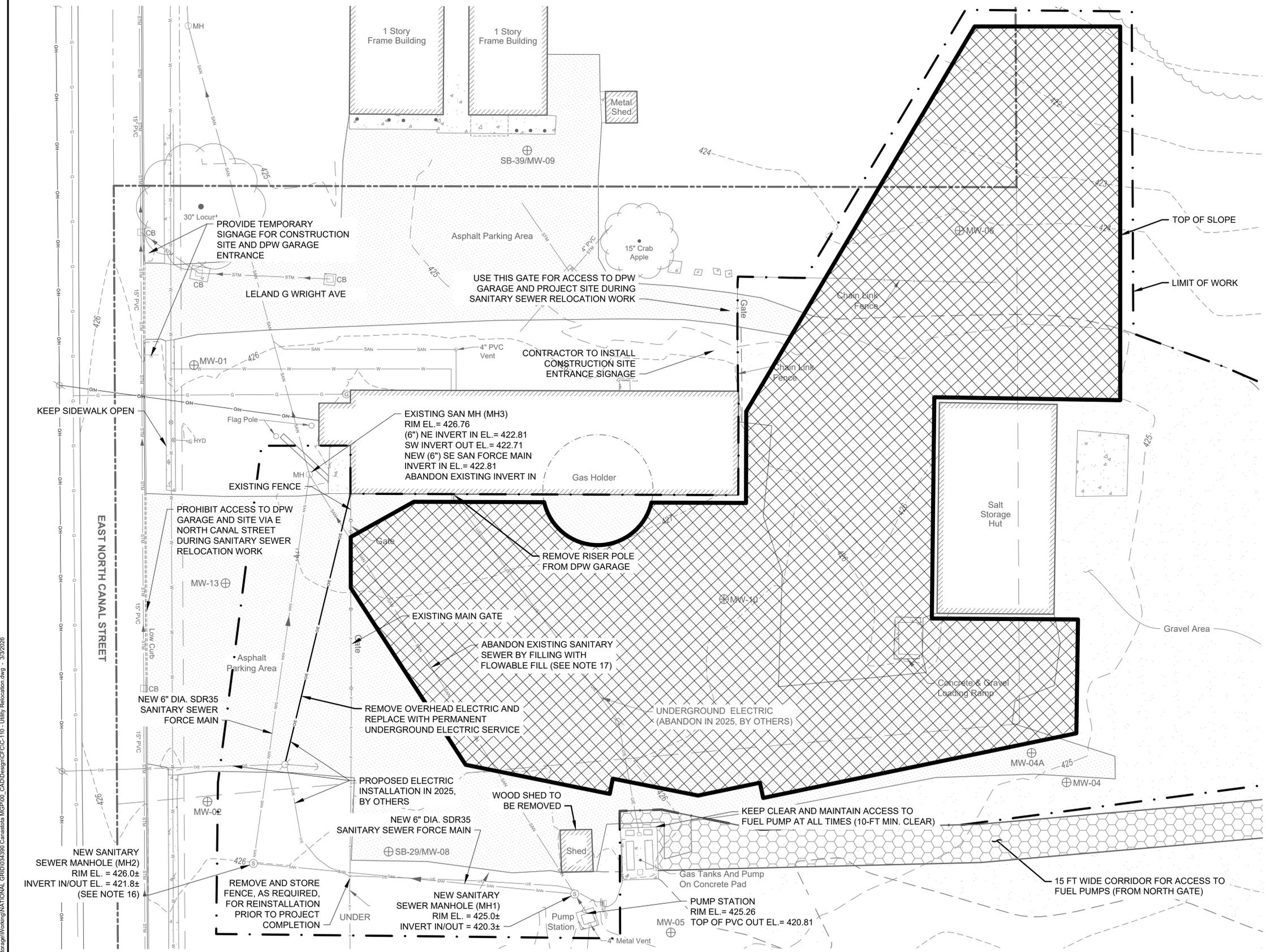
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SHEET NAME
**MATERIALS
MANAGEMENT PLAN**

SHEET NO.
C-107

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LEGEND:

- SANITARY MANHOLE
- SANITARY SEWER
- TEMPORARY OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- EXCAVATION
- ACCESS ROAD

- NOTES:**
- CONTRACTOR SHALL FIELD VERIFY LOCATION, SIZE AND DEPTH OF EXISTING UTILITIES.
 - CONTRACTOR SHALL COORDINATE REMOVAL OF TEMPORARY OVERHEAD ELECTRICAL SERVICE AND INSTALLATION OF PERMANENT UNDERGROUND ELECTRIC SERVICE WITH NATIONAL GRID. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, CONDUCTOR, METER BOX, WIRING, GROUNDING, AND OTHER MISCELLANEOUS HARDWARE AND EQUIPMENT REQUIRED TO COMPLETE THE WORK.
 - OBTAIN ALL REQUIRED PERMITS PRIOR TO PERFORMING ELECTRICAL WORK.
 - PLACE 'OVERHEAD POWER LINES' SIGNAGE AT 25-FT SPACING, WHERE REQUIRED.
 - COMPLETE ELECTRICAL INSPECTION AND PROVIDE COPY OF CERTIFICATE OF COMPLIANCE TO VILLAGE OF CANASTOTA AND CONSTRUCTION ADMINISTRATOR.
 - CONTRACTOR SHALL FIELD VERIFY LOCATION, TYPE AND SIZE OF PROPOSED CONDUITS, CONDUCTORS AND EQUIPMENT REQUIRED TO SERVICE THE DPW GARAGE PRIOR TO FURNISHING.
 - UTILITY WORK SHALL BE PERFORMED AS TO MINIMIZE THE DISRUPTION OF SERVICE AND THE CONTRACTOR SHALL COORDINATE THE ELECTRICAL OUTAGE WITH THE VILLAGE OF CANASTOTA.
 - WORK SHALL BE PERFORMED AS TO MINIMIZE THE DURATION OF SANITARY SEWER BYPASS PUMPING.
 - THE EXISTING CHAIN LINK FENCE AND GATES SHALL BE RESTORED TO THEIR ORIGINAL PRE-CONSTRUCTION CONDITION IF DAMAGED, REMOVED, OR TAMPED WITH DURING THE WORK.
 - SOFT DIG ALL UTILITIES NEAR PROPOSED SANITARY SEWER FORCE MAIN ALIGNMENT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
 - UNDERGROUND ELECTRIC UTILITIES LIKELY EXIST EXTENDING FROM THE SHED NEAR THE PUMP STATION AND GAS TANKS THAT ARE NOT SHOWN ON THE DRAWINGS. CONTRACTOR TO LOCATE AND FIELD VERIFY PRIOR TO START OF CONSTRUCTION.
 - TEMPORARILY BARRICADE DIRECT ACCESS FROM E NORTH CANAL STREET TO PARKING LOT AND EXISTING MAIN GATE FOR THE DPW GARAGE DURING THE SANITARY SEWER RELOCATION WORK. PROVIDE ADEQUATE SIGNAGE TO CONVEY ACCESS IS PROVIDED VIA LELAND G WRIGHT AVE THROUGH GATE WEST OF DPW GARAGE ADJACENT TO LENOX AMBULANCE FACILITY.
 - INSTALL TEMPORARY FENCE DURING MOBILIZATION.
 - CONTRACTOR TO COORDINATE WITH VILLAGE OF CANASTOTA FOR RELOCATION OF VILLAGE EQUIPMENT, MATERIALS, AND OTHER ITEMS THAT MAY NEED TO BE RELOCATED PRIOR TO THE START OF WORK.
 - ALL DISTURBED SURFACES SHALL BE RETURNED TO PRE-CONSTRUCTION CONDITION, OR BETTER, PRIOR TO COMPLETION OF PROJECT.
 - PROVIDE (2) 45 DEGREE ELBOWS TO MAKE 90 DEGREE BEND IN SANITARY SEWER FORCE MAIN WITHIN MANHOLE STRUCTURE MH2. ENCASE PIPE TO SPRINGLINE IN CONCRETE TO PROVIDE THRUST RESTRAINT.
 - ABANDON EXISTING SANITARY SEWER FORCE MAIN FROM NEWLY INSTALLED MANHOLE MH1 ADJACENT TO PUMP STATION TO MANHOLE MH3 ADJACENT TO DPW GARAGE BY FLUSHING AND THEN FILLING WITH SELF LEVELING FLOWABLE FILL WITH A 56 DAY COMPRESSIVE STRENGTH OF 75 PSI MIN.
 - PRESSURE TEST THE SANITARY SEWER FORCE MAIN AT 1.5 TIMES THE WORKING PRESSURE IN THE FINISHED FORCE MAIN IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS. A PRESSURE DROP OF MORE THAN 5% AT ANY TIME DURING THE TEST PERIOD CONSTITUTES A FAILURE. LOCATE AND FIX LEAK(S). RETEST AS NECESSARY TO ACHIEVE PASSING TEST. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS AND REQUIREMENTS FOR ACCEPTABILITY.

MANHOLE COORDINATES		
ID	EASTING	NORTHING
MH1	1044796.93	1123386.58
MH2	1044789.31	1123261.99
MH3	1044628.14	1123259.68

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0 20 40
SCALE, FEET

Designed: CUJ
Drawn: PHH
Checked: PJS
Approved: PJS
P.E. No: 100361
GEI Project 034390

GEI Consultants
GEI CONSULTANTS ENGINEERING,
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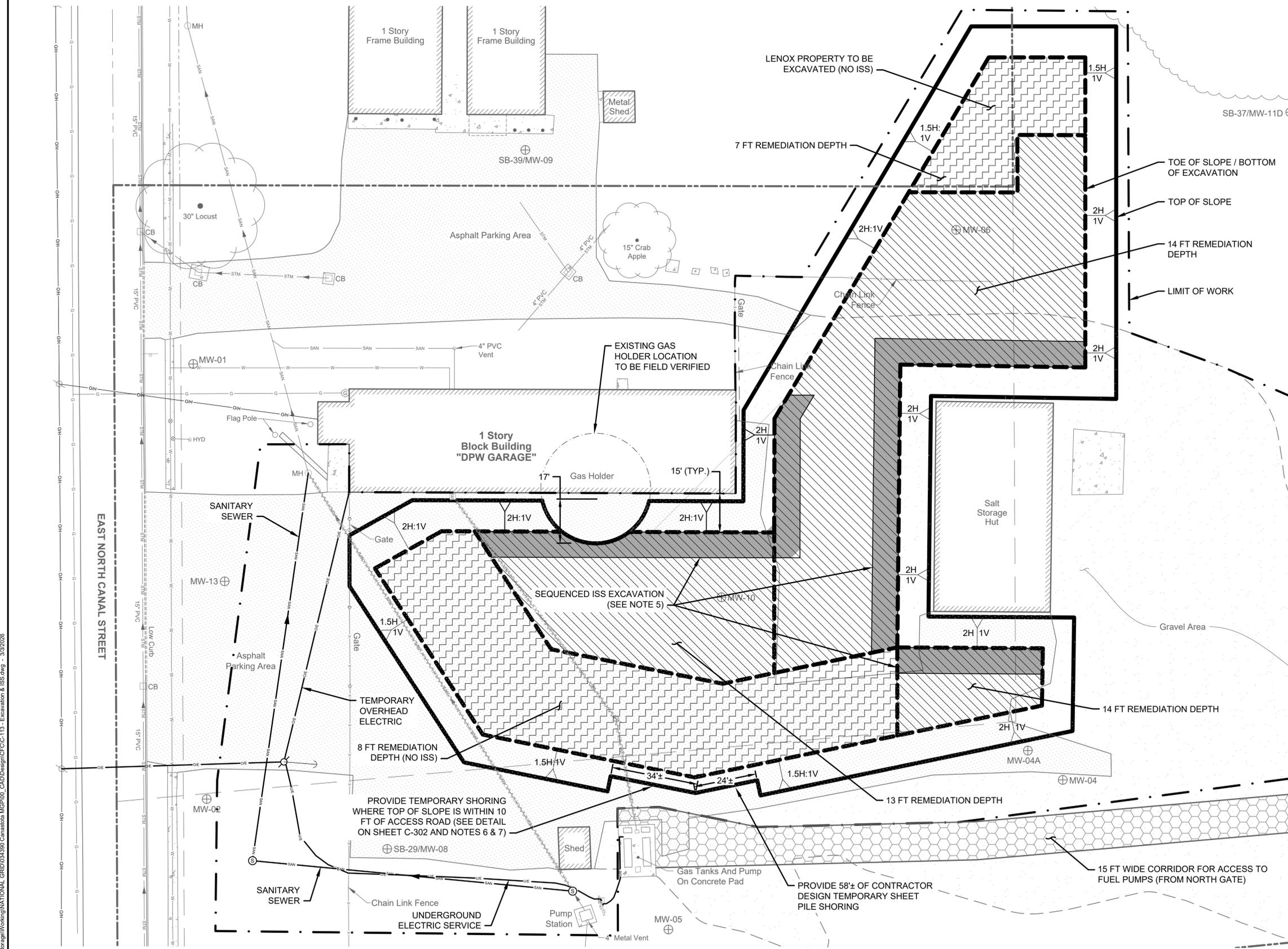
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SHEET NAME	SHEET NO.
UTILITY RELOCATION PLAN	C-110

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- LEGEND:**
- PROPOSED REVISED REMEDIAL AREA
 - TOP OF PRE-CUT SLOPE
 - SLOPE CUT
 - EXCAVATION - NO ISS
 - ISS
 - ACCESS ROAD
 - SANITARY MANHOLE
 - SANITARY SEWER
 - TEMPORARY OVERHEAD ELECTRIC
 - UNDERGROUND ELECTRIC

- NOTES:**
1. CONTRACTOR MUST DEVELOP AND IMPLEMENT A SOLIDIFICATION AND EXCAVATION SEQUENCING PLAN TO ACHIEVE THE LINES AND GRADES SHOWN ON THE DRAWING.
 2. CONTRACTOR'S EXCAVATION PLAN MUST MAINTAIN SAFE AND STABLE SIDEWALLS DETERMINED BY THE CONTRACTOR PROVIDED EXCAVATION COMPETENT PERSON.
 3. SPECIFIED EXCAVATION OFFSETS FROM THE DPW GARAGE AND SALT STORAGE BUILDING MUST BE MAINTAINED AT ALL TIMES THROUGHOUT PERFORMANCE OF THE WORK.
 4. PAYMENT WILL NOT BE MADE FOR SOIL EXCAVATED OR SOLIDIFIED BEYOND THE LIMITS SHOWN ON THE DRAWINGS WITHOUT PRIOR CONSTRUCTION ADMINISTRATOR APPROVAL.
 5. PERFORM ISS ALONG THE DPW GARAGE AND SALT STORAGE SHED USING A PRIMARY-SECONDARY-TERTIARY (PST) CELL METHOD, WITH A MAXIMUM CELL WIDTH (PARALLEL TO THE STRUCTURE) OF 6 FEET AND A MINIMUM CELL LENGTH (PERPENDICULAR TO THE STRUCTURE) OF 10 FEET.
 - A. PRIMARY (P) AND SECONDARY (S) CELLS
 - EXCAVATE PRIMARY CELLS BEFORE EXCAVATING SECONDARY CELLS.
 - ALLOW ISS OF PRIMARY CELLS ADJACENT TO SECONDARY CELLS TO CURE A MINIMUM OF 48 HOURS BEFORE EXCAVATING SECONDARY CELLS.
 - B. TERTIARY CELLS (T)
 - ALLOW ISS OF PRIMARY AND SECONDARY CELLS TO CURE A MINIMUM OF 48 HOURS BEFORE EXCAVATING ADJACENT TERTIARY CELLS.
 - EXCAVATE THE CLOSURE CELLS BETWEEN PRIMARY AND SECONDARY CELLS INCLUDING THE REQUIRED OVERLAP.
 - C. ONCE THE TERTIARY CELLS HAVE BEEN COMPLETED, THE PATTERN NOW BECOMES CONTINUOUS:
 - P - T - S - T - P - T - S - T - P
 - D. FOR TERTIARY CELLS, PROVIDE A MINIMUM OVERLAP OF 1 FOOT WITH ADJACENT CELLS
 - TOLERANCE ON OVERLAP OF -3 INCHES.
 - OVERLAPS LARGER THAN 1 FOOT ARE ACCEPTABLE.
 - E. SPACING SUMMARY (AS A FUNCTION OF CELL WIDTH [W])
 - MINIMUM CLEAR SPACING BETWEEN EXCAVATED PRIMARY CELLS: 2W
 - MINIMUM CENTER TO CENTER SPACING BETWEEN ANY TWO ACTIVE CELLS:
 - a. P OR S: $\geq 3W$
 - b. T: $\geq W$
 6. PROVIDE A TEMPORARY SHORING SYSTEM TO LIMIT DEFLECTIONS AT THE TOP OF THE SLOPE TO A MAXIMUM OF 1.25 INCHES ASSUMING A VEHICLE WITH A GVWR OF 80,000 LBS IS LOCATED AT THE FUEL PUMP. THIS WILL BE A TRANSIENT LOAD APPLIED WHEN VILLAGE TRUCKS (E.G. FIRE, DPW, ETC.) ACCESS THE FUEL PUMPS.
 7. SEQUENCE EXCAVATION ACCORDINGLY TO LIMIT THE AREA OF EXCAVATION AT THE TOE TO NO MORE THAN 50% OF THE LENGTH OF THE SHORING SYSTEM AT ONE TIME.
 8. TEMPORARY SHORING MAY BE USED IN OTHER AREAS SCHEDULED FOR SLOPED EXCAVATION AT THE CONTRACTOR'S DISCRETION. HOWEVER, PERFORMANCE REQUIREMENTS DESCRIBED IN THE CONTRACT DOCUMENTS APPLY REGARDLESS OF LOCATION.
 9. SLOPES INDICATED HEREIN ARE MAXIMUMS (I.E. SLOPES CANNOT BE STEEPER THAN WHAT IS SHOWN). HOWEVER, FLATTER SLOPES ARE PERMITTED IF SPACE ALLOWS.

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Checked:	PJS
Approved:	PJS
P.E. No:	100361
GEI Project	034390

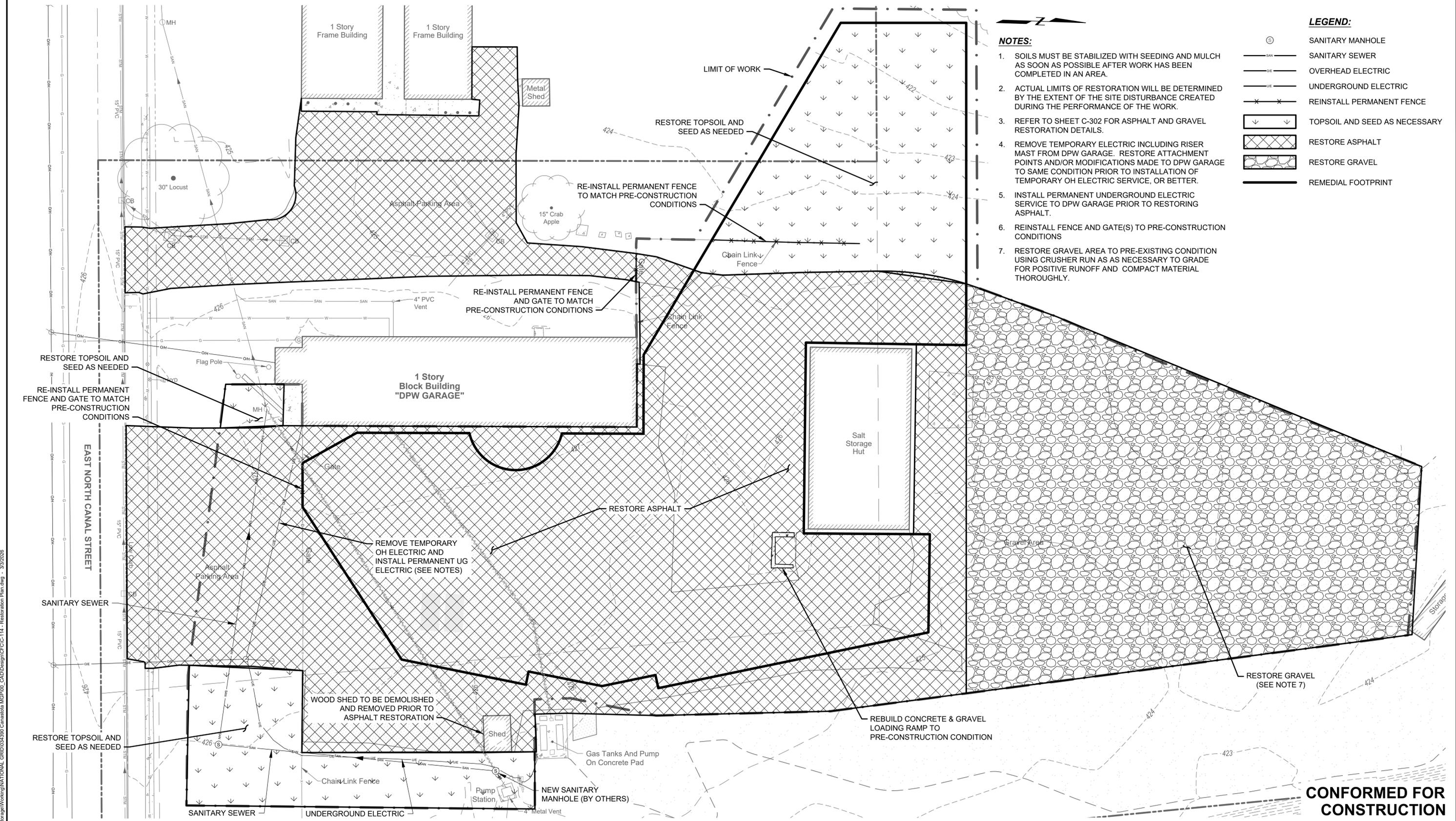


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1	3/3/2026	CONFORMED FOR CONSTRUCTION	PJS

SHEET NAME	SHEET NO.
REMEDIAL EXCAVATION AND ISS PLAN	C-113



NOTES:

1. SOILS MUST BE STABILIZED WITH SEEDING AND MULCH AS SOON AS POSSIBLE AFTER WORK HAS BEEN COMPLETED IN AN AREA.
2. ACTUAL LIMITS OF RESTORATION WILL BE DETERMINED BY THE EXTENT OF THE SITE DISTURBANCE CREATED DURING THE PERFORMANCE OF THE WORK.
3. REFER TO SHEET C-302 FOR ASPHALT AND GRAVEL RESTORATION DETAILS.
4. REMOVE TEMPORARY ELECTRIC INCLUDING RISER MAST FROM DPW GARAGE. RESTORE ATTACHMENT POINTS AND/OR MODIFICATIONS MADE TO DPW GARAGE TO SAME CONDITION PRIOR TO INSTALLATION OF TEMPORARY OH ELECTRIC SERVICE, OR BETTER.
5. INSTALL PERMANENT UNDERGROUND ELECTRIC SERVICE TO DPW GARAGE PRIOR TO RESTORING ASPHALT.
6. REINSTALL FENCE AND GATE(S) TO PRE-CONSTRUCTION CONDITIONS
7. RESTORE GRAVEL AREA TO PRE-EXISTING CONDITION USING CRUSHER RUN AS NECESSARY TO GRADE FOR POSITIVE RUNOFF AND COMPACT MATERIAL THOROUGHLY.

LEGEND:

- SANITARY MANHOLE
- SANITARY SEWER
- OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- REINSTALL PERMANENT FENCE
- TOPSOIL AND SEED AS NECESSARY
- RESTORE ASPHALT
- RESTORE GRAVEL
- REMEDIAL FOOTPRINT



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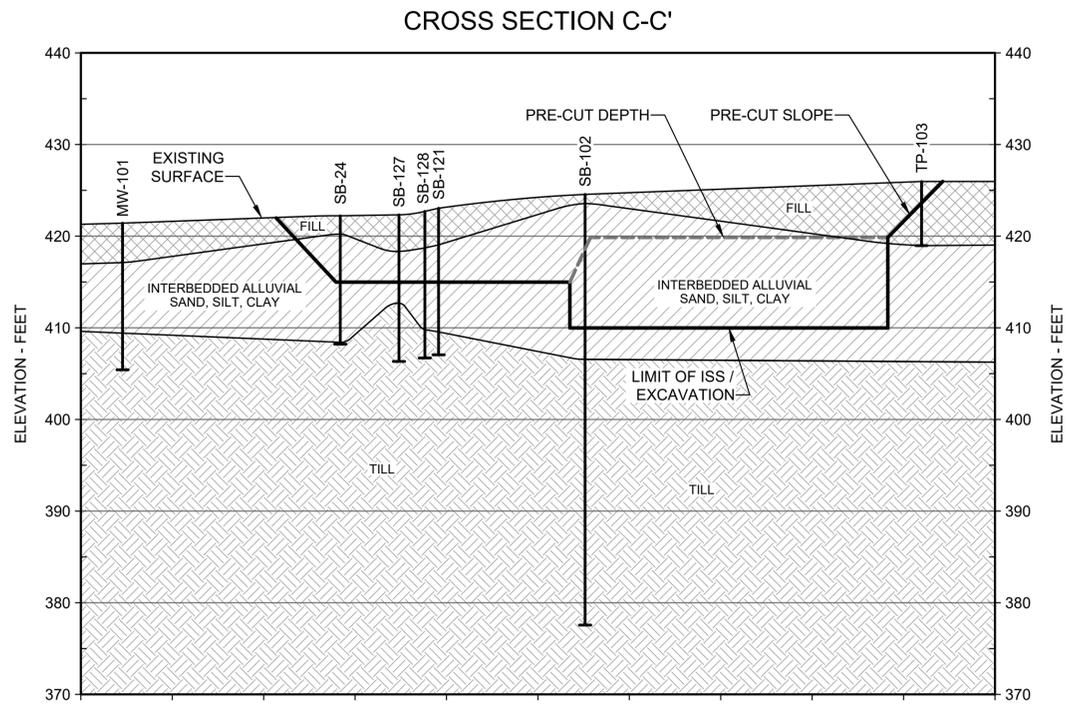
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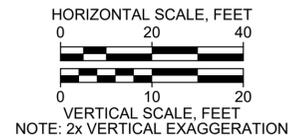
SHEET NAME	SHEET NO.
GENERAL RESTORATION PLAN	C-114

CONFORMED FOR CONSTRUCTION

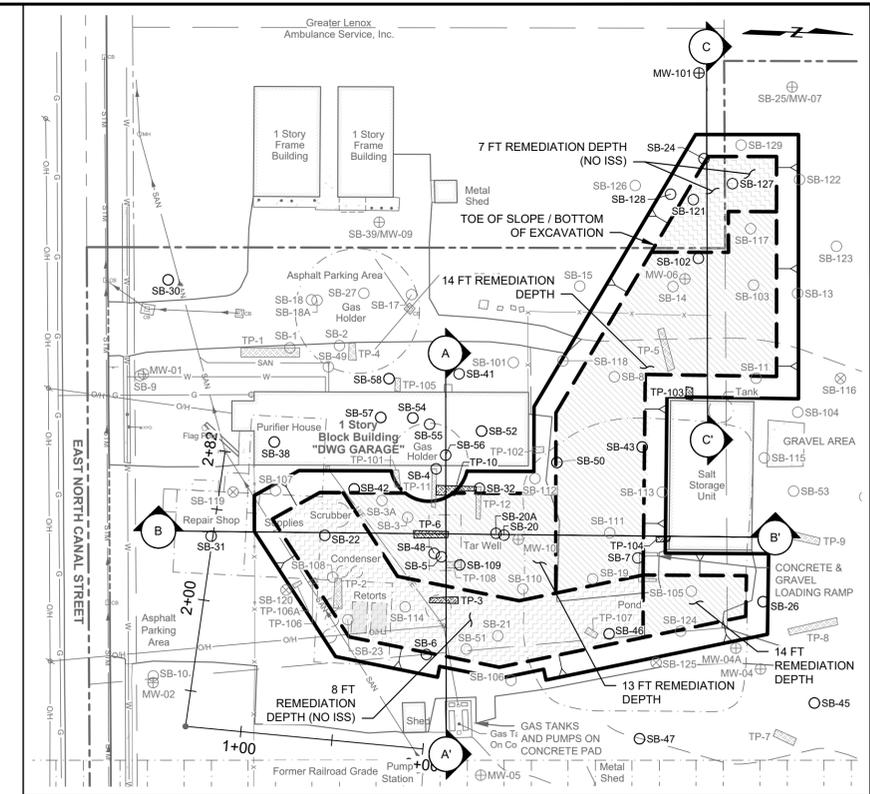
HEBLOT, PAULA | gheci.com | 3/3/2026 | Storage/Water/NATIONAL_GRID/034390/Canastota_MGP/03_CADD/Design/CFC-C-114 - Restoration Plan.dwg - 3/3/2026



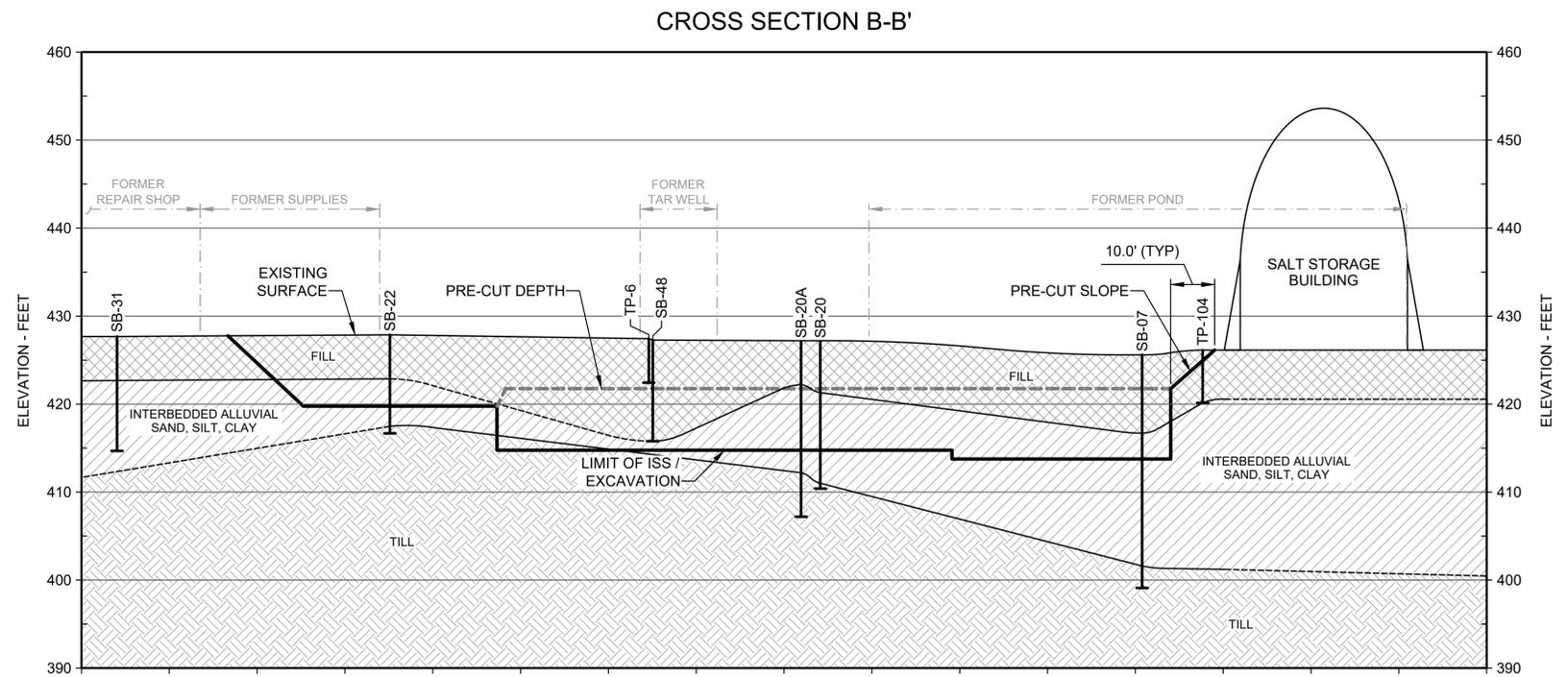
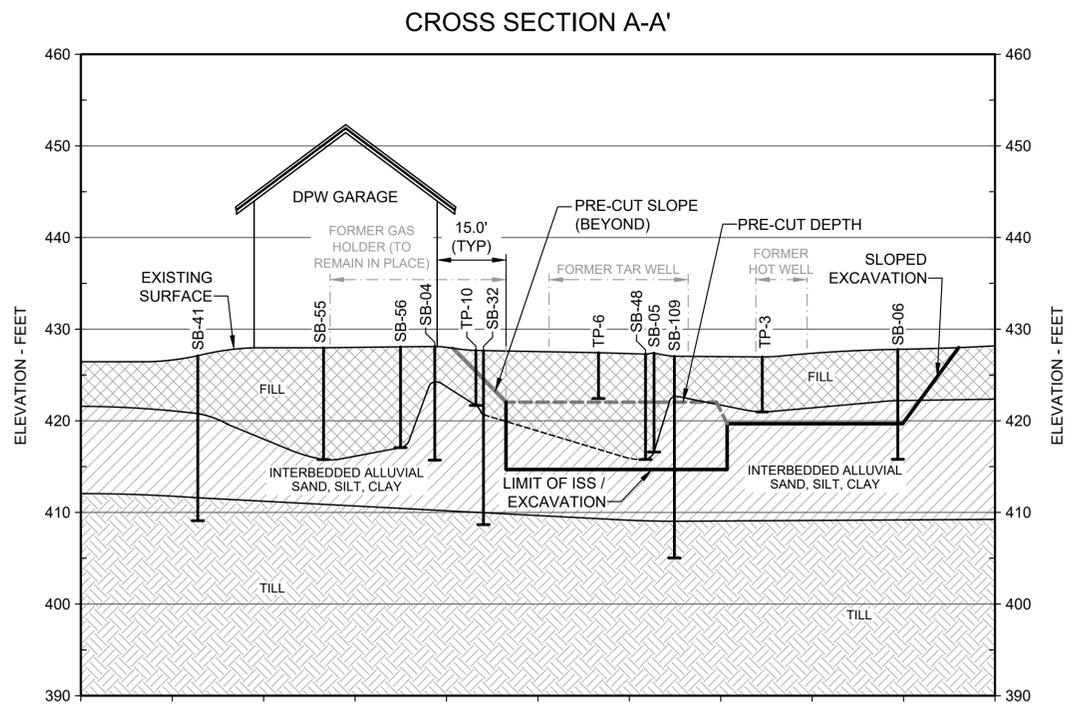
- CROSS SECTION LEGEND:**
- EXTENT OF EXCAVATION
 - - - PRE-CUT DEPTH
 - GEOLOGICAL CONTACT
 - - - INFERRED GEOLOGICAL CONTACT
 - [Hatched] FILL
 - [Diagonal Hatched] INTERBEDDED ALLUVIAL SAND, SILT, CLAY
 - [Cross-hatched] TILL
 - SB-102 EXPLORATION ID
 - SOIL BORING, MONITORING WELL OR TEST PIT
 - BOTTOM OF EXPLORATION



- PLAN LEGEND:**
- ⊕ A-A CROSS SECTION LOCATION
 - ⊕ MW-01 MONITORING WELL
 - SB-19 SOIL BORING
 - ▭ TP-1 TEST PIT
 - - - PROPOSED REVISED REMEDIAL AREA
 - TOP OF PRE-CUT SLOPE
 - ▴ SLOPE CUT
 - [Dashed Box] EXCAVATION - NO ISS
 - [Solid Box] ISS



CROSS SECTION LOCATION MAP
SCALE: 1" = 50'



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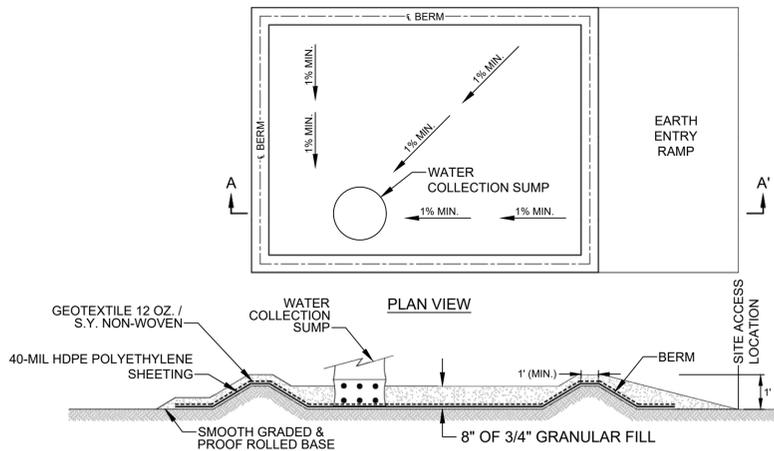
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SYRACUSE, NEW YORK
nationalgrid

**REMEDIAL DESIGN
FORMER CANASTOTA
MANUFACTURED
GAS PLANT (MGP) SITE**
NYSDEC SITE NO. 727014
CANASTOTA, NEW YORK

NO	DATE	ISSUE/REVISION	APP
1	3/3/2026	CONFORMED FOR CONSTRUCTION	PJS

SHEET NAME	SHEET NO.
EXCAVATION CROSS SECTIONS	C-201

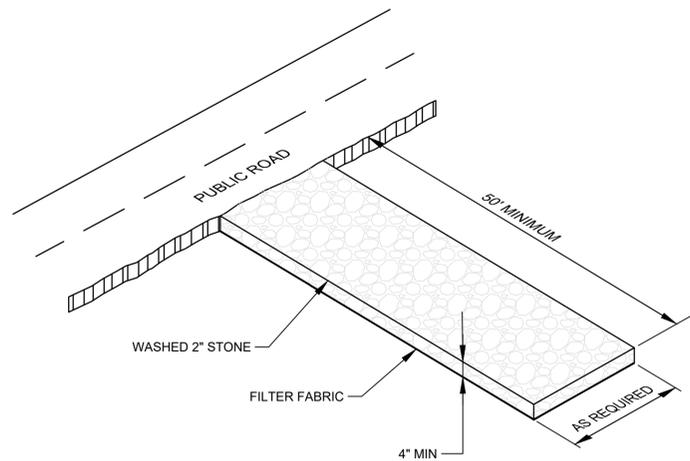
HEWIT, PAULA | gheconsultants.com | I:\Data\390_Canastota\MCPS00_CADD\Design\C-C-201 - Cross Sections.dwg - 3/3/2026



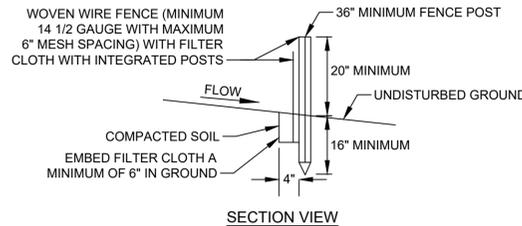
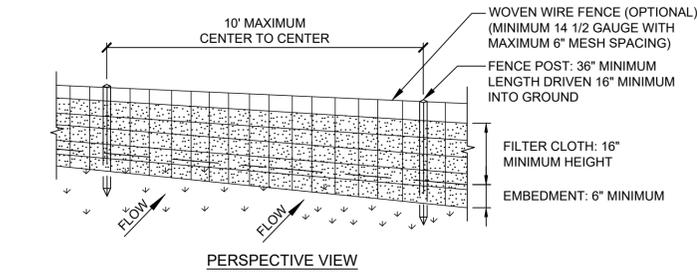
DETAIL
EQUIPMENT DECONTAMINATION PAD NO SCALE

DECONTAMINATION NOTES:

1. ALL VEHICLES EXITING EXCLUSION ZONE MUST PASS THROUGH THE CONTAMINANT REDUCTION ZONE. USE EQUIPMENT DECONTAMINATION PAD AS REQUIRED BY THE CONSTRUCTION ADMINISTRATOR AND NYSDEC. CONTROL OVER SPRAY.
2. TEMPORARY DECONTAMINATION PAD TO BE CONSTRUCTED IN SUITABLE LOCATION CLOSE TO WORK AREAS, AS REQUIRED.
3. TEMPORARY DECONTAMINATION PAD GRANULAR MATERIAL AND SEDIMENTS COLLECTED FROM DECONTAMINATING EXCAVATION EQUIPMENT TO BE CHARACTERIZED FOR OFF-SITE DISPOSAL.
4. DECONTAMINATION PAD MAY BE RAISED ABOVE EXISTING GRADE OR EXCAVATED AND EMBEDDED (CONTRACTOR OPTION).
5. DIMENSIONS AND CONFIGURATION OF THE DECONTAMINATION PAD TO BE DETERMINED BY CONTRACTOR BASED ON EQUIPMENT SIZE.



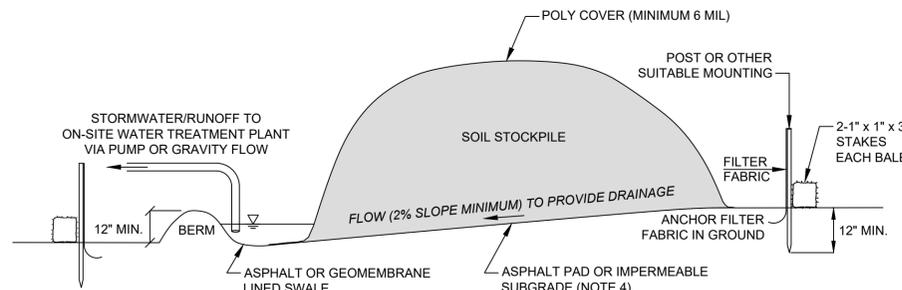
DETAIL
ANTI-TRACKING PAD NO SCALE



DETAIL
SILT FENCE NO SCALE

WOVEN SILT FENCE NOTES:

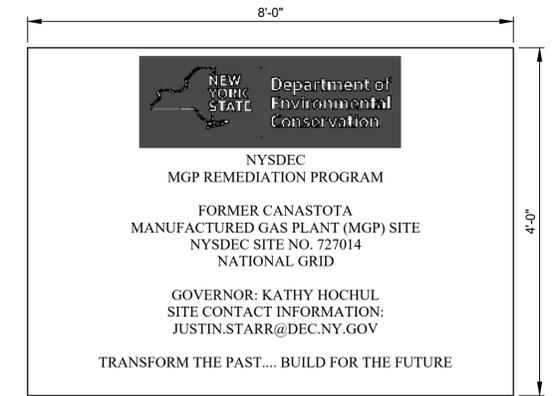
1. FASTEN WOVEN WIRE FENCE SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FASTEN FILTER CLOTH SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24-INCHES AT TOP AND MID-SECTION. FENCE SHALL BE WOVEN WIRE, 14 1/2 GAUGE, 6-INCH MAXIMUM MESH OPENING.
3. OVERLAP ADJACENT FILTER CLOTH SIX INCHES AND FOLD. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. PERFORM MAINTENANCE AS NEEDED AND REMOVE MATERIAL WHEN "BULGES" DEVELOP.
6. FILTER FABRIC WITH INTEGRATED STAKES MAY BE USED INSTEAD OF WIRE FENCE.



DETAIL
SOIL/DEBRIS STOCKPILE PAD NO SCALE

PAD NOTES:

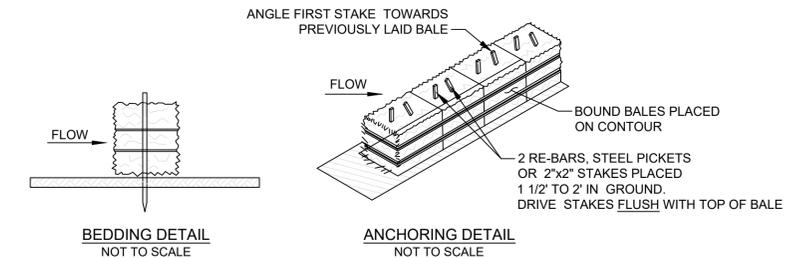
1. SOIL/DEBRIS STOCKPILE PAD DESIGN IS CONCEPTUAL. FINAL DESIGN WILL MEET THE INTENT OF THE CONCEPT AND BE APPROVED BY THE CONSTRUCTION ADMINISTRATOR.
2. COLLECT ALL STORMWATER/RUNOFF WATER FROM THE SOIL/DEBRIS PADS AND DIRECT TO WATER TREATMENT SYSTEM.
3. LOCATE PADS INSIDE THE UNEXCAVATED PORTION OF THE REMEDIAL EXCAVATION. PADS MAY NOT BE LOCATED ON COMPLETED WORK OR PARTIALLY BACKFILLED SURFACES.
4. IMPERMEABLE SUBGRADE: 6 INCHES AGGREGATE BASE, GEOTEXTILE, 40 MIL HDPE LINER, GEOTEXTILE, 6 INCHES CRUSHED STONE.



DETAIL
NYSDEC SIGN NO SCALE

SIGN NOTES:

1. SIZE: HORIZONTAL FORMAT 96" BY 48" HIGH
2. NYSDEC LOGO TO BE SHOWN IN ACCORDANCE WITH NYSDEC SPECIFICATIONS.
3. TEXT: CASLON 540
MGP REMEDIATION PROGRAM PMS 301
SITE NAME, SITE NUMBER, PARTY PERFORMING PMS 355
NAME OF GOVERNOR PMS 301
TRANSFORM THE PAST... BUILD FOR THE FUTURE PMS 355
4. CENTER EACH LINE OF COPY WITH SMALL CAPS AND INITIAL CAPS
5. 96" WIDE BY 48" HIGH ALUMINUM BLANKS WILL BE COVERED WITH VINYL SHEETING TO ACHIEVE BACKGROUND COLOR. COPY LOGO WILL BE SILK SCREENED ON THIS SURFACE.



DETAIL
TYPICAL HAY BALE DIKE NO SCALE

HAY BALE DIKE NOTES:

1. PLACE BALES AT TOE OF SLOPE OR ON CONTOUR AND IN A ROW WITH THE ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. IF PLACED ON SOIL, NOT ON PAVEMENT, SECURELY ANCHOR BALES IN-PLACE BY RE-BARS OR 2X2 WOODEN STAKES DRIVEN THROUGH THE BALE. DRIVE THE FIRST STAKE IN EACH BALE TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. DRIVE STAKES FLUSH WITH THE BALE.
3. IF PLACED ON PAVEMENT, DO NOT INCLUDE STAKES.
4. FREQUENTLY INSPECT EROSION CONTROLS. REPAIR/REPLACE DEFICIENT EROSIONS CONTROLS PROMPTLY, AS NEEDED.
5. REMOVE BALES WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE. REPLACE REMOVED BALES.

CONFORMED FOR CONSTRUCTION

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Attention:
0 1"
If this scale bar does not measure 1" then drawing is not original scale.

Designed:	CUJ
Drawn:	PHH
Checked:	PJS
Approved:	PJS
P.E. No.:	100361
GEI Project	034390



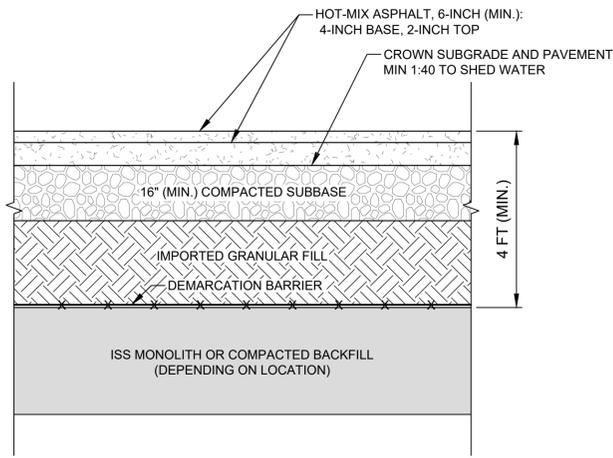
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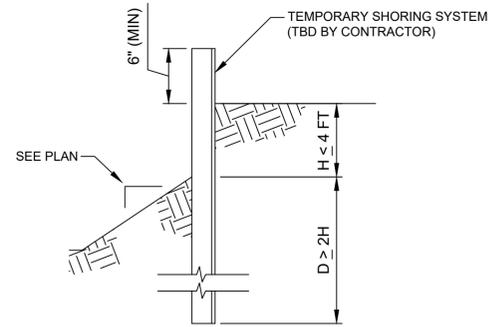
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SHEET NAME
**SECTIONS AND DETAILS
(1 OF 3)**

SHEET NO.
C-301

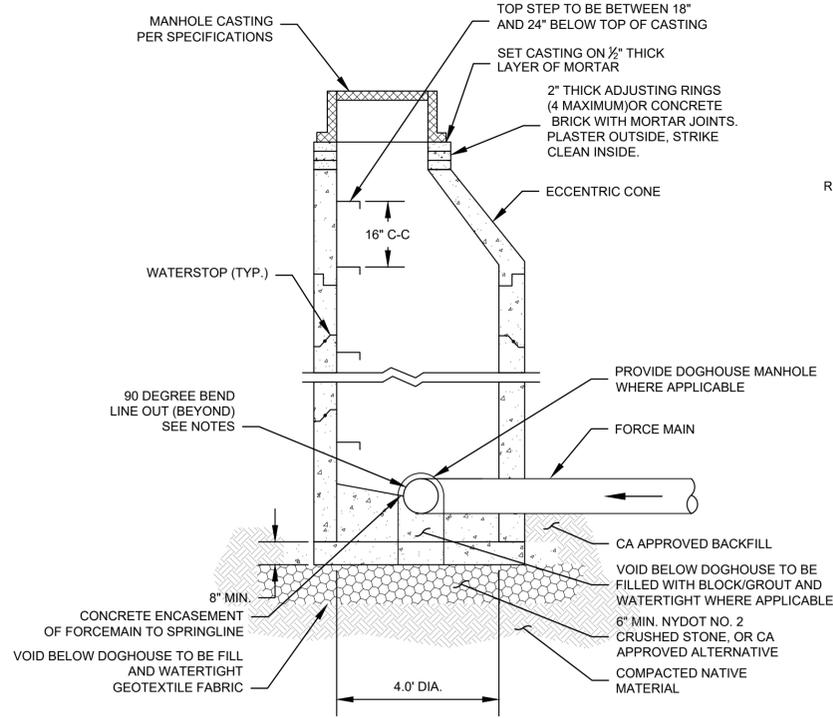


DETAIL
ASPHALT SURFACE RESTORATION NO SCALE



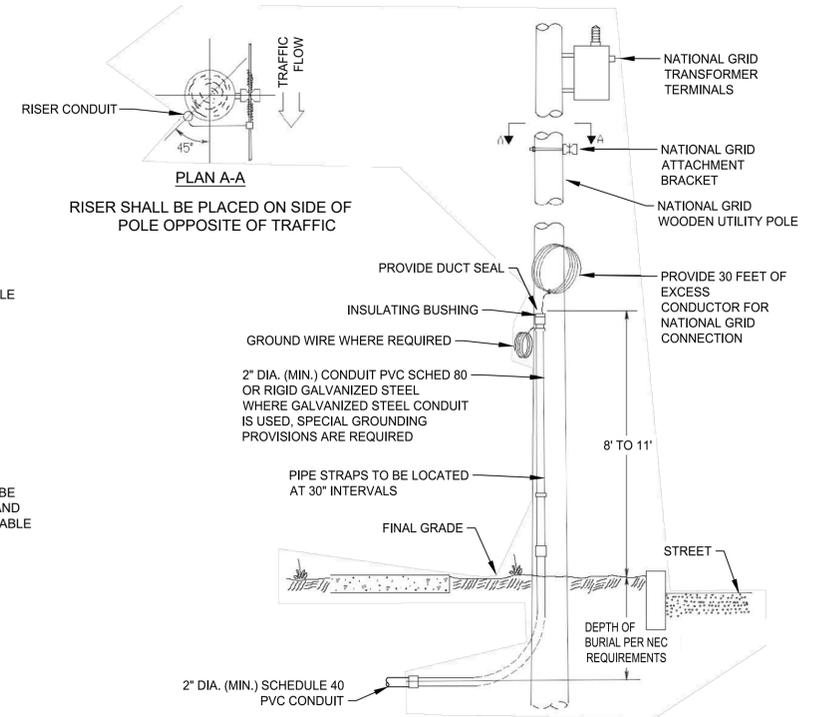
VERTICAL SHORING SYSTEM NO SCALE

- NOTES:**
1. VERTICAL SHORING ELEMENTS TBD BY CONTRACTOR.
 2. AVOID DRIVING SHORING ELEMENTS INTO THE TILL AND CAUSING NUISANCE VIBRATIONS.
 3. OPTICAL MONITORING POINTS WILL BE INSTALLED AT THE TOP OF THE SHORING SYSTEM BY THE CA TO MONITOR DEFLECTIONS.
 4. SHORING SYSTEM AND COMPONENTS TO BE DESIGNED BY CONTRACTOR.



STANDARD CONCRETE MANHOLE NO SCALE

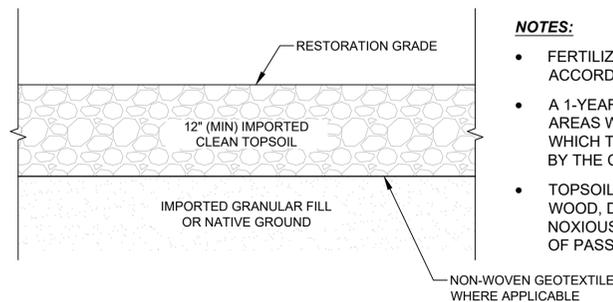
- NOTES:**
1. SANITARY SEWER FORCE MAIN BENDS OF 90 DEGREES SHALL BE ACCOMPLISHED UTILIZING TWO 45 DEGREE ELBOWS AND A SHORT LENGTH OF PIPE BETWEEN THEM.
 2. PROVIDE CONCRETE ENCASEMENT OF FORCE MAIN BENDS IN MANHOLES TO SPRINGLINE OF FORCE MAIN TO PROVIDE THRUST RESTRAINT.
 3. PROVIDE WATERTIGHT SEAL BETWEEN PIPE AND MANHOLE AND BETWEEN PRECAST MANHOLE SECTIONS.



DETAIL
OVERHEAD POLE RISER NO SCALE

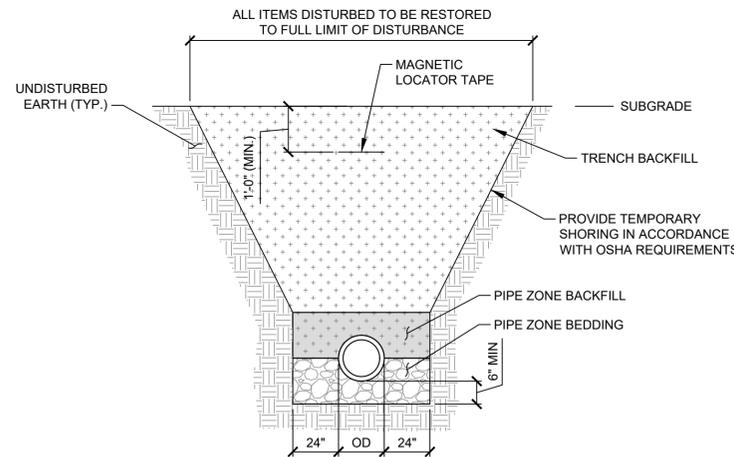
SPECIAL GROUNDING PROVISIONS FOR STEEL CONDUIT INSTALLATIONS ONLY

- INSTALL LISTED 'U' BOLT WITHIN 6 INCHES FROM TOP OF STEEL CONDUIT
- PROVIDE 30 INCHES OF GROUND WIRE PER NEC REQUIREMENTS. MIN #4 AWG COPPER FOR NATIONAL GRID CONNECTIONS
- PVC CONDUIT REQUIRES NO GROUNDING PROVISIONS



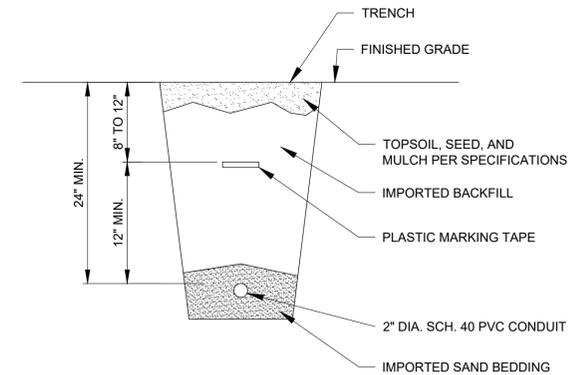
DETAIL
VEGETATIVE SURFACE RESTORATION NO SCALE

- NOTES:**
- FERTILIZE, SEED, MULCH, AND WATER IN ACCORDANCE WITH THE SPECIFICATIONS
 - A 1-YEAR WARRANTY PERIOD FOR SEEDED GRASS AREAS WILL COMMENCE FROM THE DATE AT WHICH THE INITIAL GRASS SEEDING IS ACCEPTED BY THE CA
 - TOPSOIL SHALL BE FREE OF ROCKS, GRAVEL, WOOD, DEBRIS, INVASIVE SPECIES AND OF NOXIOUS WEEDS AND THEIR SEED AND CAPABLE OF PASSING THROUGH A 1-INCH SIEVE.



DETAIL
TRENCH EXCAVATION AND BACKFILL NO SCALE

- NOTES:**
1. PIPE ZONE BEDDING AND BACKFILL: NYS DOT NO. 2 CRUSHED STONE, OR CONSTRUCTION ADMINISTRATOR APPROVED ALTERNATIVE.
 2. TRENCH BACKFILL: IMPORTED CLEAN FILL PER SPECIFICATIONS OR CA APPROVED SPOILS FOR RE-USE PER SPECIFICATIONS.
 3. GEOTEXTILE FABRIC SHALL FULLY ENCASE PIPE ZONE BEDDING AND PIPE ZONE BACKFILL.
 4. BACKFILL IN COMPACTED LIFTS IN ACCORDANCE WITH THE SPECIFICATIONS.



DETAIL
UNDERGROUND CONDUIT NO SCALE

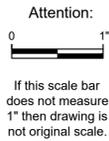
SAND BEDDING

- PROVIDE 2" MINIMUM SAND BEDDING BELOW CONDUIT
- PROVIDE 4" MINIMUM SAND BEDDING COVER ABOVE CONDUIT

CONFORMED FOR CONSTRUCTION

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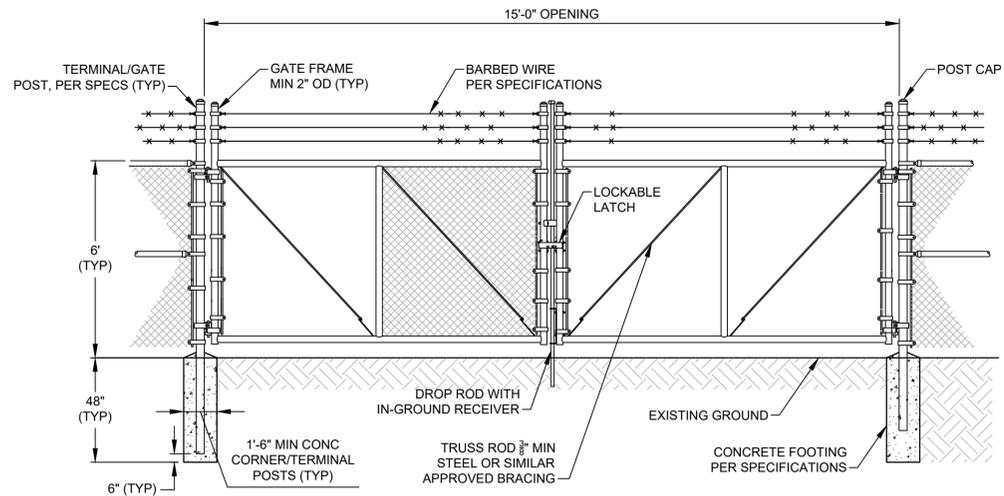
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**SECTIONS AND DETAILS
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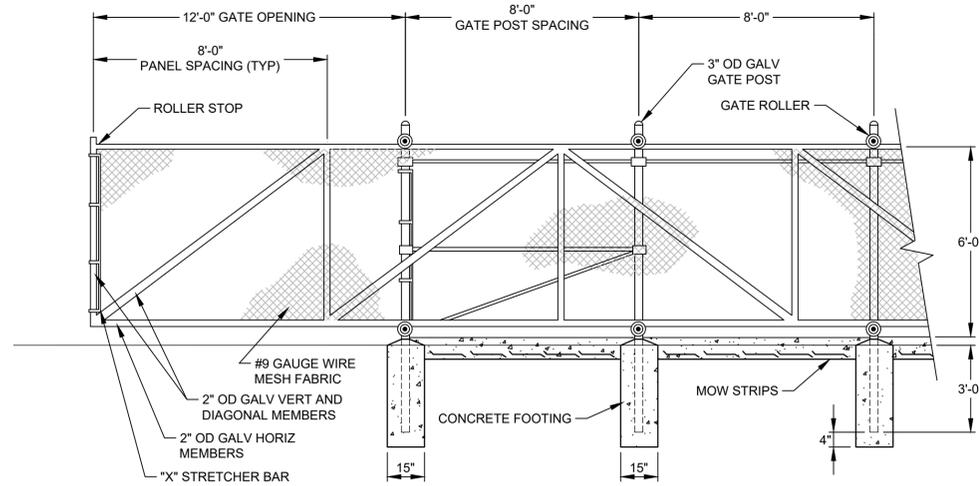
SHEET NO.
C-302



DETAIL
DOUBLE-HUNG, SWINGING GATE NO SCALE

NOTES:

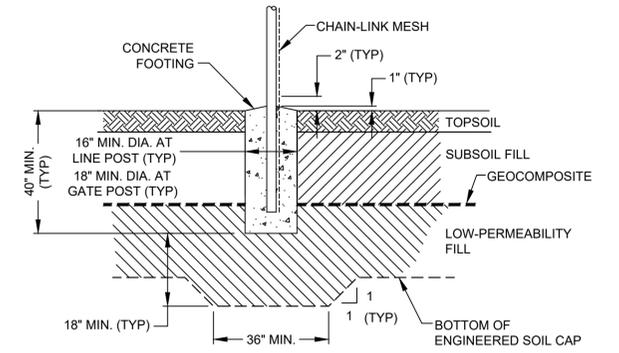
1. CHAIN LINK FENCE FABRIC FOR GATE: 9 GA. 2" MESH (TYP) TOP SELVAGE TWISTED, BOTTOM SELVAGE KNUCKLED.
2. SEE SPECIFICATION SECTION 02821 CHAIN LINK FENCES AND GATES FOR ADDITIONAL REQUIREMENTS.



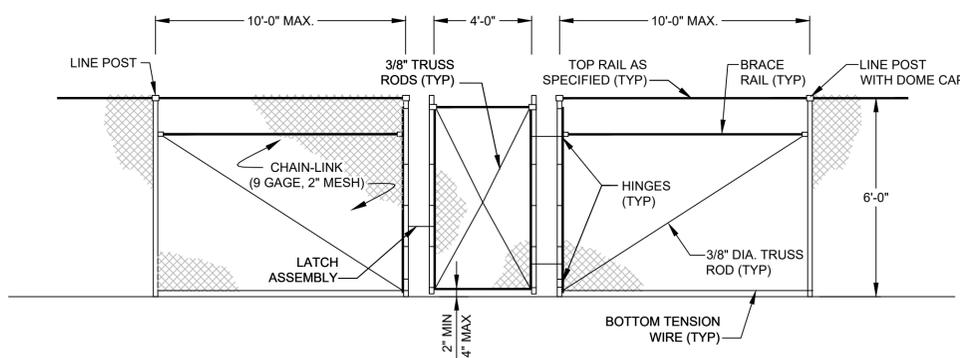
DETAIL
SLIDING GATE NO SCALE

NOTE:

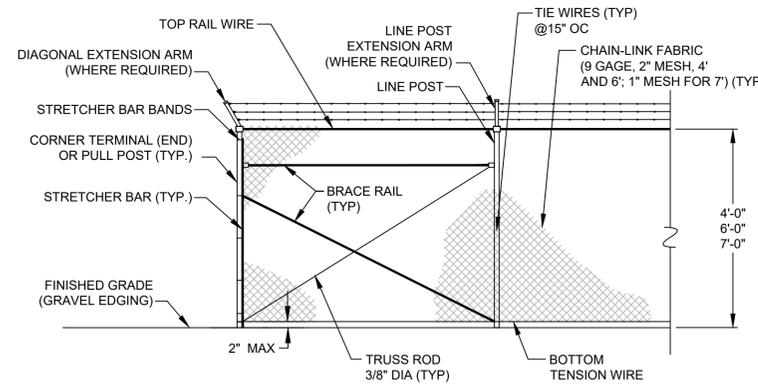
GATE SHOWN AT HALF OPENED POSITION



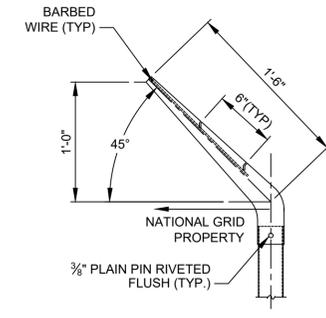
DETAIL
CHAIN LINK FENCE POST IN SOIL CAP NO SCALE



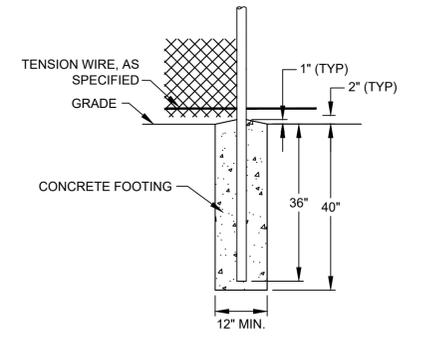
DETAIL
PERSONNEL GATE NO SCALE



DETAIL
TYPICAL FENCE CORNER / TERMINATION NO SCALE



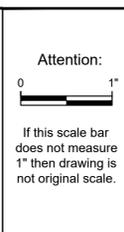
DETAIL
EXTENSION ARM NO SCALE



DETAIL
CHAIN LINK FENCE POST IN NATIVE SOIL NO SCALE

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SHEET NO.
C-303

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