



**DESIGN AND CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242**

ADDENDUM NO. 1 TO PROJECT NO. 44698

**ELECTRICAL WORK
REPLACE SWITCHGEAR AND EMERGENCY GENERATOR
BUILDING NOS. 18 AND 43
GREENE CORRECTIONAL FACILITY
COUNTY ROUTE 9, COXSACKIE NY**

February 18, 2016

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

DRAWINGS

1. Drawing E-001 – SITE PLAN:
 - a. This Drawing is reissued as attached to this Addendum.
2. Drawing E-002 – PARTIAL SITE PLAN:
 - a. This Drawing is reissued as attached to this Addendum.
 - b. KEYED NOTE 5 - Add to the end of note: "Sample diesel fuel oil using ASTM D4294-16 testing methods for sulfur content.
 - c. KEYED NOTE 14 - Add to the end of note: "Sample diesel fuel oil using ASTM D4294-16 testing methods for sulfur content.
3. Drawing E-003 – PARTIAL SITE PLAN:
 - a. NOTE 2 - Add: "Reference detail 10/E-502 for fence grounding."
4. Drawing E-502 – DETAILS AND SCHEDULES:
 - a. Add Detail 10 on E-502 as attached to this Addendum.
5. Drawing G-002:
 - a. PHASING NOTE 11 – Add to end of note: "Commission Temporary Generator and Temporary Switchgear System before starting removal of existing generators and existing switchgear."

SPECIFICATIONS

1. Section 231310 - Petroleum Tank Cleaning and Disposal: Discard previously issued version and substitute the accompanying Section (pages 231310-1 thru 231310-3) noted "Revised 2/17/16".
2. Section 263215 – Diesel-Alternator Power System: Page 1, Article 1.03: Delete Paragraph "D." in its entirety.

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3. Section 263215 – Diesel-Alternator Power System: Page 7, Article 2.01: Delete Paragraph "A." in its entirety and replace with the following:
 - "A. Standby Rating: 2000 KW (2500 KVA at 0.8 power factor), 13.2 KV/7.6 KV, 3 phase, 4 wire, 60 hertz. Continuous Rating: 1620 KW (2025 KVA at 0.8 power factor). For generator set rating and testing criteria:
 1. Full load is 1800 KW.
 2. 110 percent full load is 2000 KW.
 3. Continuous load is 1620 KW."
4. Section 263215 – Diesel-Alternator Power System: Page 7, Article 2.01, Paragraph "D.": Add Subparagraph "5." as follows:
 - "5. Engine shall be EPA Tier 2 certified, for emergency duty."
5. Section 263215 – Diesel-Alternator Power System: Page 11, Article 2.03: Delete Paragraph "A." in its entirety and replace with the following:
 - "A. Day Tank: Provide Day Tank System with the following features and construction:
 1. Double wall constructed to UL Std. 142, suitable for indoor use.
 2. Rectangular tank configuration with secondary containment included.
 3. Usable tank capacity of 325 gallons, minimum.
 4. Top mounted controller with control and status panel with UL 508 listed, NEMA Type 1 enclosure.
 5. Structure and support system for day tank as recommended by manufacturer for full capacity weight.
 6. Level controller with fill control and multiple float switches, include two parallel float operated switches for remote indication of high and low fuel levels, and retention tank alarm.
 7. Provide on-board fill pumps and return pumps with: off, automatic, on control and motor starters.
 8. Provide day tank accessories including:
 - a) Fuel level gauge.
 - b) Tank vent.
 - c) Valved drain.
 - d) Engine supply line check valve.
 - e) Inspection port for retention tank.
 - f) Input circuit single phase, 120 volts.
 9. Manufacturer: Simplex Reliant Series, Tramont, or equal as recommended by generator set manufacturer."
6. Section 263216 – Temporary Diesel-Alternator Power System: Page 10, Article 2.03, Paragraph "A.": Revise Subparagraph "1." as follows:

Change "4 hours" to "three (3) hours".

Change "420 gallons" to "approximately 325 gallons".

END OF ADDENDUM

Margaret F. Larkin
Executive Director
Design and Construction

SECTION 231310**PETROLEUM TANK CLEANING AND DISPOSAL****PART 1 GENERAL****1.01 SUMMARY**

- A. Tank Cleaning: The 4000 gallon Above Ground Fuel storage tanks shall be decommissioned and cleaned consistent with, ANSI/API Standards 2015 and 2016, generally accepted practices, and as specified herein.

1.02 REFERENCES

- A. American Petroleum Institute (API) Standard 653 –Tank Inspection, Repair, Alteration, and Reconstruction.
- B. National Fire Protection Association (NFPA) 326 – Standard for the Safeguarding of Tanks and Containers for Entry, Cleaning or Repair.
- C. NFPA 30 – Standard for Flammable and Combustible Liquids.
- D. American National Standards Institute (ANSI)/API Standard 2015 – Requirements for Safe Entry and Cleaning of Petroleum Storage Tanks.
- E. ANSI/API Recommended Practice 2016 – Guidelines and Procedures for Entering and Cleaning Petroleum Storage Tanks.
- F. Steel Tank Institute (STI) SP001 – Standard for the Inspection of Aboveground Storage Tanks.
- G. STI Recommended Practice (RP) R912 – Installation Instructions for Shop Fabricated Stationary Aboveground Storage Tanks for Flammable, Combustible Liquids.

1.03 SUBMITTALS

- A. Plan of Operations: At least 10 days prior to commencing any on-site tank work (e.g., tank decommissioning, cleaning, etc.), submit a written Plan of Operations that addresses all of the following elements.
 - 1. Scope of Work: Identify the tanks to be cleaned/tested, tank construction and condition, products contained, work to be done, and phasing/schedule.
 - 2. Tank Pre-Cleaning Meetings: Schedule and conduct tank pre-cleaning job discussions with appropriate Facility Representative, Contractor, and Director's Representative. Identify tank entry supervisors and qualified persons, and discuss the following:
 - a. Scope of work.
 - b. Responsibilities of all parties.
 - c. Confined space permit and isolation.
 - d. Coordination and communication.
 - e. Permits and authorizations.

- f. Emergency procedures.
3. Hazard Evaluation: Identify and evaluate the elements, hazards, and conditions of the tank to be entered.
4. Entry and Work Permit Requirements: Determine acceptable entry and safe work conditions.
5. Confined Space Program: Submit copies of valid OSHA certificates required in subsection 1.03(C)(a) – Quality Assurance.
6. Classification of the Tank: Evaluate, classify, and identify the tank as a permit required confined space, non-permit required confined space, or a non-confined space.
7. Removal of remaining product and tank bottom sludge:
 - a. Include a discussion regarding material handling, storage/containerization, transportation, and disposal.
 - b. Discuss measures to be implemented to prevent a spill, and measures to implement in the event of a spill.
 - c. Submit valid NYSDEC waste transporter and waste disposal permits for the intended waste transporter and waste disposal facility.
8. Qualified Persons: Qualify, select, and assign qualified person(s) to supervise and prepare for, decommissioning, testing, entry attendant, rescue, recommissioning, etc.
9. Safeguarding the work area.
10. Exposure control relative to tank atmosphere, personal protective equipment, etc.
11. Emergency Planning: Submit copies of written notifications to the local fire department and hospital.
12. Tank cleaning procedures and equipment.
13. Records and Permits: Instrument calibration and adjustment records, atmospheric test results, confined space entry permits, waste transportation and disposal documentation, etc.

1.04 QUALITY ASSURANCE

- A. Regulatory Requirements:
 1. Occupational Safety and Health Administration (OSHA) 29 CFR Part 1910 – General Industry.
 2. OSHA 29 CFR Part 1926 – Construction.
 3. Environmental Protection Agency 40 CFR Part 112 – Oil Pollution Prevention, also known as the Spill Prevention, Control, and Countermeasure (SPCC) rule.
 4. Fire Code of New York State.
 5. New York State Department of Environmental Conservation (NYSDEC) 6 NYCRR Part 612 through 614 – Petroleum Bulk Storage (PBS).
 6. NYSDEC 6 NYCRR Part 360 – Solid Waste Management.
 7. NYSDEC 6 NYCRR Part 364 – Waste Transport.
- B. Qualifications:
 1. General: At a minimum, all personnel involved in the supervision, entry, testing, inspection, attending, standby, rescue, and/or general labor shall be OSHA trained in Permit Required Confined Space.

1.05 PROJECT CONDITIONS

A. Tank Data:

Tank ID No.	Capacity (Gallons)	Product Stored	Construction Standard	Dimensions	Construction Year		
	4000						

PART 2 PRODUCTS (Not Used)

PART 3 EXECUTION

3.01 SPILL RESPONSIBILITY

- A. Remediate any spills, releases, or discharges caused by the Contractor or its subcontractor(s) to the satisfaction of the Director’s Representative and the NYSDEC.
 - 1. All costs associated with the spill, release, or discharge shall be borne by the Contractor.

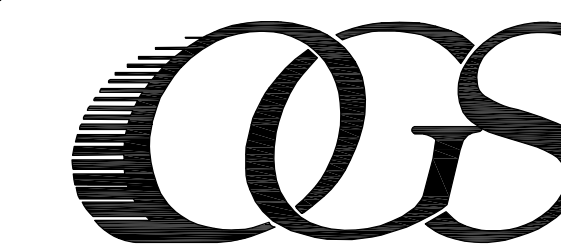
3.02 TEMPORARY DECOMMISSIONING

- A. Conduct tank pre-cleaning meeting(s) as outlined in the approved Plan of Operations as required in Submittals Article in Part 1 of this Section.
- B. Lock out or blank off all valves as necessary to isolate the tank.
- C. Transfer remaining product to another facility owned tank(s) as directed by the Director’s Representative.
- D. Comply with the following items to safeguard the tank for safe entry: NFPA 326, ANSI/API Standards 2015 and 2016, and generally accepted practices.

3.03 CLEANING

- A. Remove, transport, and dispose of tank bottom sludge consistent with applicable federal and state laws.
- B. Clean the tank as required.

END OF SECTION



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WARNING:

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" MISDEMEANOR.

ELECTRICAL

TITLE: REPLACE SWITCHGEAR AND EMERGENCY GENERATOR BUILDING NOS. 18 AND 43

LOCATION: GREENE CORRECTIONAL FACILITY
COUNTY ROUTE 9
COXSACKIE, NY 12051

CLIENT: DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
△	02/17/16	BID ADDENDUM #1
	05/18/15	FINAL SUBMISSION
PROJECT NUMBER: 44698 - E		
DESIGNED BY: MD		
DRAWN BY: WB		
FIELD CHECK: RT		
APPROVED: RT		
SHEET TITLE:		

SITE PLAN

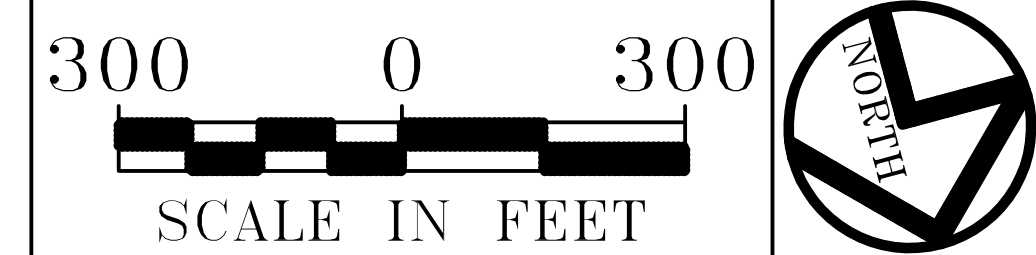
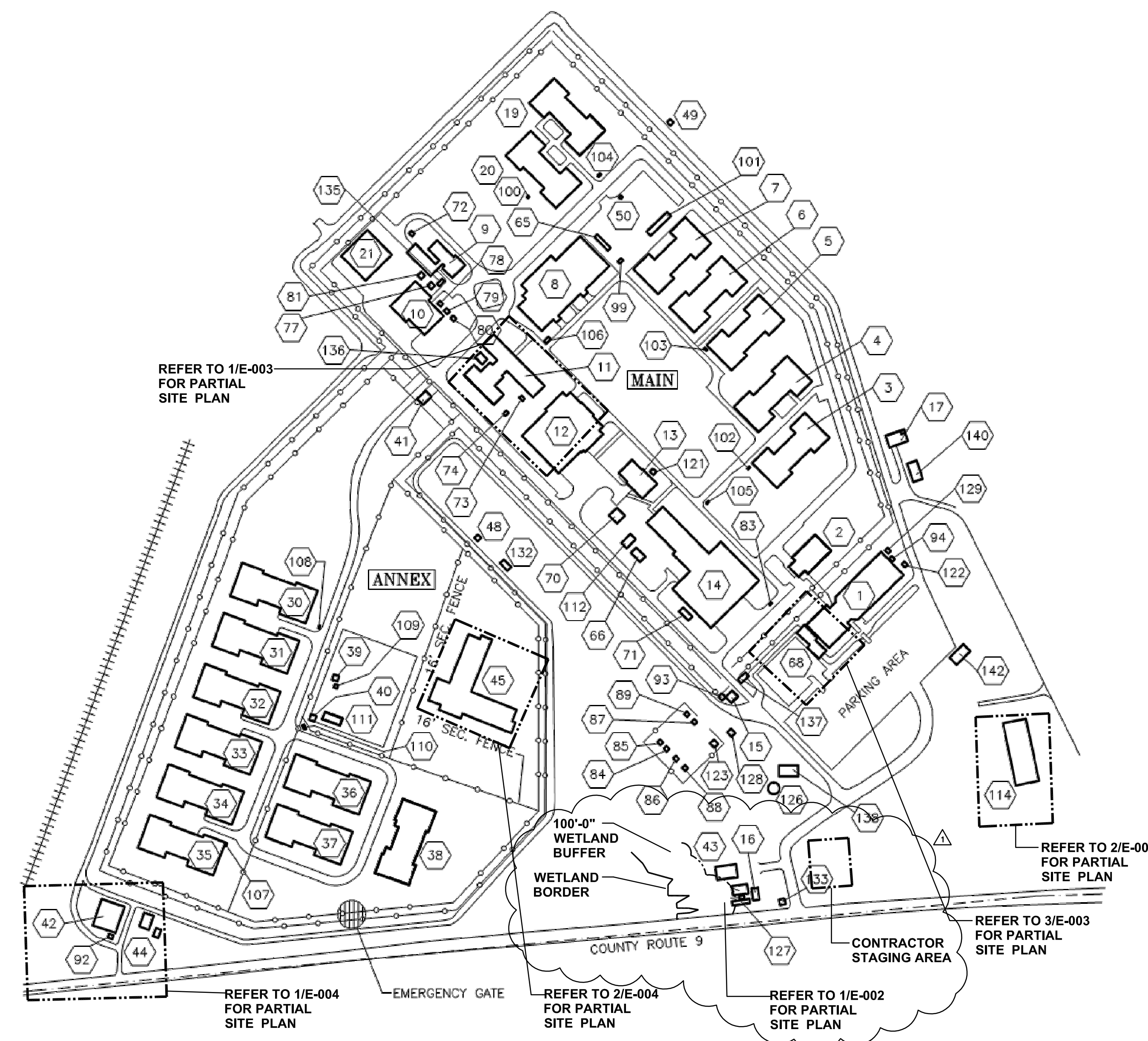
DRAWING NUMBER:

E-001

SHEET 4 OF 19

BUILDING INDEX

1. ADMINISTRATION BUILDING
2. VISITORS BUILDING
3. INMATE HOUSING "A" DORM
4. INMATE HOUSING "B" DORM
5. INMATE HOUSING "C" DORM
6. INMATE HOUSING "D" DORM
7. INMATE HOUSING "E" DORM
8. ACTIVITIES BUILDING
9. HORTICULTURE
10. SUPPORT SERVICES
11. RECEPTION/CLINIC/SHU
12. FOOD SERVICE
13. LAUNDRY/COMMISSARY
14. PROGRAM BUILDING
15. GUARD TOWER
16. SEWAGE LIFT STATION I
17. ENERGY CONVERSION BUILDING
18. GENERATOR BUILDING
19. INMATE HOUSING "F" DORM
20. INMATE HOUSING "G" DORM
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23. FARM MACH. (TRACTOR SHED)
30. INMATE HOUSING "H" DORM
31. INMATE HOUSING "I" DORM
32. INMATE HOUSING "J" DORM
33. INMATE HOUSING "K" DORM
34. INMATE HOUSING "L" DORM
35. INMATE HOUSING "M" DORM
36. INMATE HOUSING "N" DORM
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38. PROGRAM BUILDING
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52. BEEF BARN 1
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55. CORCRAFT OFFICE
59. BEEF BARN 2
60. TRANSFORMER VAULT
61. TRAINING HOUSE
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65. PAVILION SOUTH YARD (WEIGHT LIFTING)
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67. Q.W.L. BUILDING
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71. SCHOOL TRAILER
72. HORTICULTURE STORAGE I
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77. LAWNS & GROUNDS OFFICE
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83. BUS STOP ADMINISTRATION
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88. VOCATIONAL STORAGE 5
89. VOCATIONAL STORAGE 6
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93. OUTSIDE GANG STORAGE
94. ADMIN. BUSINESS OFFICE STORAGE
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100. OFFICER STATION SOUTH YARD 3
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122. ADMINISTRATION GAZEBO
123. VOCATIONAL STORAGE 7
126. WATER TOWER
127. SCREEN BUILDING
128. CONTROL BUILDING
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132. S-BLOCK GENERATOR
133. VALVE HOUSE
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135. MAINTENANCE FRISK BUILDING
136. I.D. PROCESS
137. BLUEPRINT TRAILER
138. INMATE STORAGE BUILDING
139. RECYCLING BUILDING
140. RECORD STORAGE BUILDING
141. SCREEN BUILDING CONTROL
142. VISIT PROCESS BUILDING (FUTURE)



36x24 PLOT SHEET

EROSION & SEDIMENTATION CONTROL NOTES :

1. THE CONTRACTOR SHALL CONFINE GRADING OPERATIONS AND GROUND DISTURBANCE INSIDE THE DESIGNATED PROJECT LIMITS. DISTURBANCE OF AREAS OUTSIDE PROJECT LIMITS SHALL NOT BE PERMITTED WITHOUT PRIOR APPROVAL FROM THE DIRECTOR'S REPRESENTATIVE.
2. CONSTRUCTION ACTIVITIES SHALL BE SCHEDULED BY THE CONTRACTOR WITH THE INTENT TO MINIMIZE THE AMOUNT OF EXPOSED DISTURBED AREA AT ANY ONE PERIOD, AND THE DURATION OF EXPOSURE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EVALUATE POTENTIAL EROSION HAZARDS AND TO USE TEMPORARY MEASURES TO STABILIZE ANY AREAS OF INCOMPLETE WORK.
3. SILT FENCE SHALL BE INSTALLED AT LOCATIONS INDICATED ON 1/E-002. INSTALL SILT FENCE AT AN APPROXIMATELY LEVEL ELEVATION, VERIFIED IN THE FIELD.
4. A TEMPORARY BARRIER, SUCH AS ORANGE SNOW FENCING, SHALL BE INSTALLED TO REPRESENT THE "PROTECTED AREA" BOUNDARY. INSTALL BARRIER AT LOCATIONS INDICATED ON 1/E-002.
5. EXISTING UTILITY MANHOLES IN CONSTRUCTION LIMITS SHALL BE COVERED AND SEALED TO PREVENT DAMAGE AND WATER ENTRY.
6. STORM DRAIN INLET PROTECTION SHALL BE INSTALLED AT ALL CATCH BASINS, IF PRESENT. TYPE OF INLET PROTECTION MEASURES TO BE SELECTED BASED ON INDIVIDUAL FIELD CONDITIONS.
7. PROMPT PERMANENT SEEDING AND MULCHING OF SITE DISTURBANCE SHALL BE DONE IN ACCORDANCE WITH THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. REVEGETATION AREAS SHALL BE MONITORED PERIODICALLY AND RESEEDED IF NECESSARY UNTIL ALL DISTURBED AREAS HAVE BECOME STABILIZED.
8. EROSION AND EROSION CONTROL MEASURES SHALL BE CONTINUOUSLY MONITORED AND EVALUATED BY THE CONTRACTOR DURING CONSTRUCTION, AND MAINTAINED AND MODIFIED AS NECESSARY.
9. AT COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL RESTORE WORK AREA TO PRECONSTRUCTION SURFACE CONDITIONS, UNLESS SPECIFIED OR DIRECTED OTHERWISE. CONTRACTOR SHALL REMOVE TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AND TEMPORARY BARRIER.

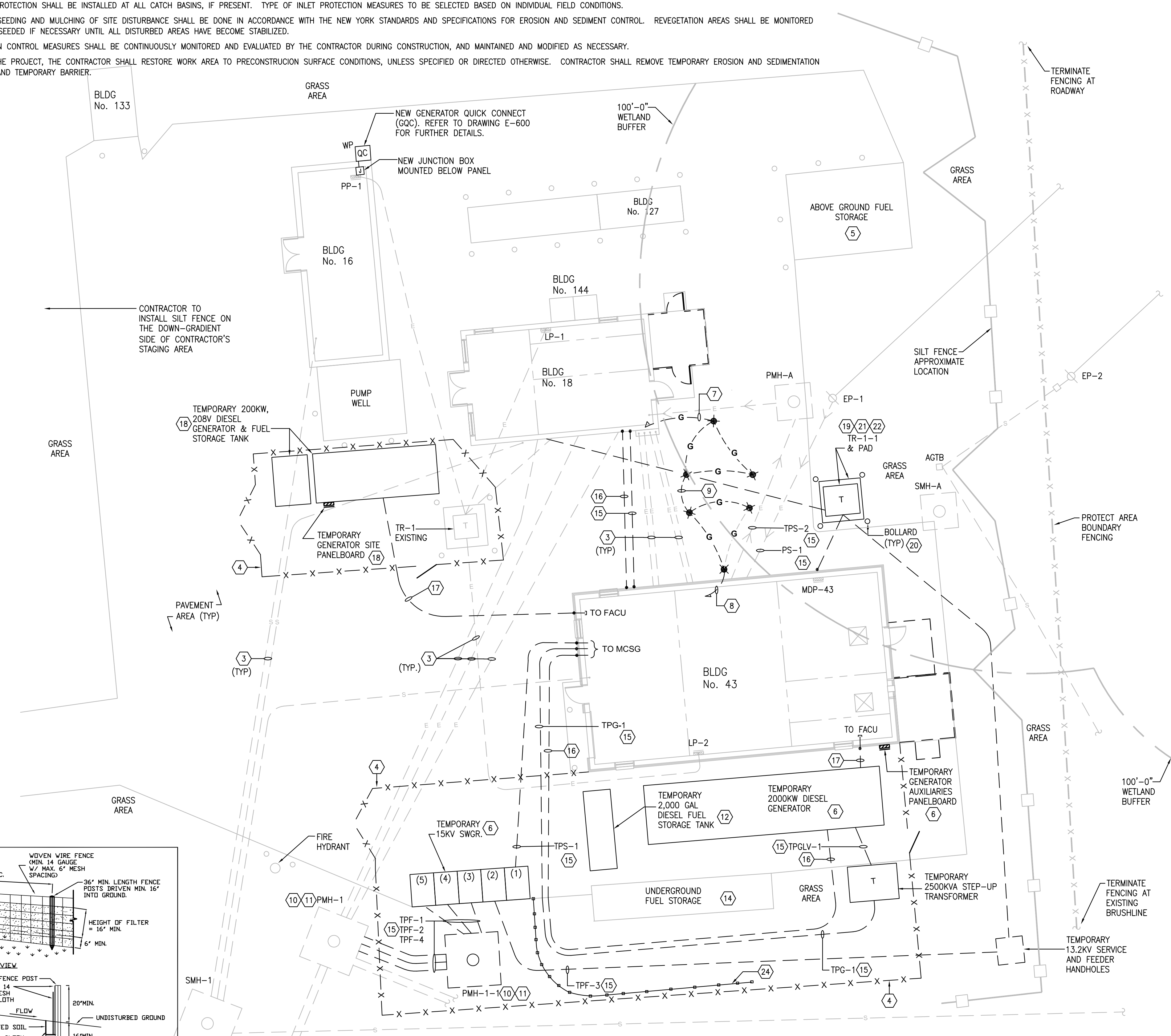
KEYED NOTES ○:

1. EXISTING UNDERGROUND UTILITIES ARE INDICATED BASED ON EXISTING OWNER FURNISHED DOCUMENTS AT THE TIME OF DESIGN. FIELD VERIFY EXISTING UTILITIES IN THE AREA OF PROJECT SCOPE PRIOR TO THE START OF EXCAVATIONS. UTILIZE GROUND PENETRATING RADAR TO IDENTIFY ALL EXISTING UNDERGROUND UTILITIES. USE HAND EXCAVATION IN THE VICINITY OF BUILDING #18 AND #43.
2. PROVIDE A MINIMUM OF RAISED 4" CRUSHED STONE BASE FOR TEMPORARY EQUIPMENT LOCATED ON ALL NON-PAVED SURFACES.
3. EXISTING CONDUIT DUCTBANK (TYP).
4. PROVIDE 8' HIGH CHAIN LINK FENCE TO SECURE TEMPORARY SERVICE YARD. GATED AREA TO INCLUDE DOUBLE DOOR ACCESS FOR FUEL TRUCK/EQUIPMENT ENTRANCE AND A SINGLE DOOR GATE FOR PERSONNEL ACCESS OPPOSITE THE DOUBLE GATE EACH LOCKABLE. PROVIDE GATES, PAD LOCKS AND WARNING SIGNAGE.
5. REMOVE EXISTING 4000 GALLON ABOVE GROUND DIESEL STORAGE TANK, ASSOCIATED PIPING, POWER AND CONTROL CABLING IN ITS ENTIRETY. REMOVE 4,000 GALLONS OF FUEL OIL FROM TANK (EXCLUDE BOTTOM SLUDGE). PROVIDE SAMPLE TEST REPORT OF EXTRACTED OIL TO PLANT SUPERINTENDENT FOR APPROVAL. TRANSFER ACCEPTED OIL TO FACILITY BOILER FUEL OIL TANKS. DISPOSE OF NON-ACCEPTABLE FUEL OIL AND SLUDGE PER NY DEC REQUIREMENTS.
6. REFER TO E-602 AND E-603 FOR TEMPORARY 15KV ONE LINE DIAGRAM. PROVIDE AN 100-AMP MAIN LUG ONLY LOAD CENTER IN A NEMA-3R ENCLOSURE FOR POWERING OF THE TEMPORARY 200KW GENERATOR BRANCH CIRCUITS (BATTERY CHARGER, BLOCK HEATERS, MAINTENANCE RECEPTACLE, FUEL PUMP, AND ADDITIONAL AUXILIARY DEVICES). CONNECT LOADCENTER BACK TO PANELBOARD LP-1 UTILIZING A NEW 60A-3P CIRCUIT BREAKER, 10KAIC. PROVIDE (3)20A-1P, (2)30A-2P IN TEMPORARY GENERATOR AUXILIARIES LOADCENTER. COORDINATE FINAL TEMPORARY GENERATOR AUXILIARY DEVICE BRANCH CIRCUIT SELECTIONS WITH THE MANUFACTURER'S RECOMMENDATIONS.
7. PROVIDE NEW MAIN GROUND GRID CABLE CONNECTION TO NEW MCS GROUND BUS. REFER TO DETAILS 1 AND 2/E-501.
8. PROVIDE NEW MAIN GROUND GRID CABLE CONNECTION TO NEW MCSG GROUND BUS. REFER TO DETAILS 1 AND 2/E-501.
9. PROVIDE NEW GROUNDING GRID FOR THE TWO EXISTING BUILDINGS. CONNECT BUILDING GROUNDING SYSTEMS TOGETHER. REFER TO DETAIL 3/E-501.
10. REFER TO DETAIL 3/E-502 FOR PHYSICAL INSTALLATION OF MANHOLE PMH-1-1 AND REWORK OF EXISTING PMH-1.
11. REFER TO DETAIL 4/E-503 FOR CONNECTION DIAGRAM FOR FEEDERS AT PMH-1 & PMH-1-1.
12. PROVIDE 2000 GALLON TEMPORARY DIESEL FUEL OIL TANK TO SERVE TEMPORARY GENERATOR. LOCATE TO MAINTAIN ACCESS FOR GENERATOR SERVICE. INCLUDE ALL SUPPORTS, ANCHORAGE AND INTERCONNECTING PIPE ASSEMBLY TO THE TEMPORARY GENERATOR. MAINTAIN MINIMUM 3'-0" CLEARANCE ON ALL SIDES. REFER TO DETAIL 9/E-502 FOR REMOTE FUEL OIL TANK PIPING.
13. EXISTING SITE CONDITIONS (GRASS, SHRUBS, ASPHALT PAVEMENT, CONCRETE PADS...) SHALL BE RESTORED TO THEIR PRE-CONSTRUCTION CONDITION UPON FINAL PROJECT COMPLETION. WORK SHALL CONSIST OF, BUT NOT LIMITED TO: PATCH/REPLACE CUT PAVEMENT SURFACES, SO2/SEED GRASS AREAS, AND SIMILAR ITEMS.
14. EXISTING 10,000 GALLON UNDERGROUND FUEL STORAGE TANK. REMOVE APPROXIMATELY 9,000 GALLONS OF FUEL OIL FROM TANK. EXCLUDE 6" FUEL OIL SLUDGE AT BOTTOM OF TANKS; SEPARATELY REMOVE THIS MATERIAL FROM TANK (APPROXIMATELY 10% OF ACTUAL TANK CAPACITY). PROVIDE SAMPLE TEST REPORT OF EXTRACTED OIL TO PLANT SUPERINTENDENT FOR APPROVAL. TRANSFER ACCEPTED OIL TO FACILITY BOILER FUEL OIL TANKS. THOROUGHLY CLEAN EXISTING FUEL OIL TANK. PROVIDE A FRESH FILL OF FUEL OIL, APPROXIMATELY 10,000 GALLONS. VERIFY ALL MONITORING AND FILL LEVEL FEATURES ARE WORKING PROPERLY. DISPOSE OF NON-ACCEPTABLE FUEL OIL AND SLUDGE PER NY DEC REQUIREMENTS.
15. REFER TO 1/E-602 AND 1/E-603 TEMPORARY 15KV ONE-LINE DIAGRAM FOR TEMPORARY POWER FEEDER INFORMATION. UTILIZED FOR POWERING TEMPORARY 15KV SWITCHGEAR AND TRANSFERRING OVER EXISTING CAMPUS LOOP FEEDERS PRIOR TO CONNECTION TO UTILITY POWER. FEEDER TPG-1 IS ROUTED TO MCSG AT PHASE 1, AND EXTENDED TO MCS AT PHASE 5.
16. PROVIDE CONDUIT AND CABLE FOR TEMPORARY GENERATOR START SIGNAL/CONTROLS FROM TEMPORARY GENERATOR TO MCSG SWITCHGEAR. (PHASE 1). EXTEND CONDUIT AND WIRE TO MCS SWITCHGEAR AT PHASE 5.
17. EXTEND TEMPORARY GENERATOR ALARM/STATUS SIGNALS TO BUILDING #43 FACU FOR MONITORING BACK IN ADMINISTRATION BUILDING #1.
18. REFER TO 3/E-602 FOR TEMPORARY GENERATOR POWER CONNECTIONS. PROVIDE THE FOLLOWING TEMPORARY GENERATOR POWER BRANCH CIRCUITS, BREAKERS, AND CONNECTIONS FOR GENERATOR AUXILIARY DEVICES (BATTERY CHARGER, BLOCK HEATERS, MAINTENANCE RECEPTACLE) CIRCUITED BACK TO BUILDING #16 PANELBOARD PP-1: (2)20A-1P, (1)30A-2P. COORDINATE FINAL TEMPORARY GENERATOR AUXILIARY DEVICE BRANCH CIRCUIT SELECTIONS WITH THE MANUFACTURER'S RECOMMENDATIONS.
19. PROVIDE TRANSFORMER PAD PER DETAIL 6/E-502.
20. PROVIDE BOLLARD PER DETAIL 8/E-502.
21. PROVIDE GROUNDING FOR TRANSFORMER PER DETAIL 2/E-501 AND 6/E-502.
22. REFER TO DETAIL 1/E-602 FOR TEMPORARY POWER RISER DIAGRAM, BUILDINGS 18 & 43.
23. PROVIDE EXCAVATION, SHORING, BACK FILL, TRENCHING, DEWATERING AND SITE RESTORATION PER SPECIFICATION SECTION 310000.
24. PROVIDE EROSION AND SEDIMENT CONTROL MEASURES PER SPECIFICATION SECTION 312513; INCLUDE SILT FENCE PER LOCAL SITE CONDITIONS.

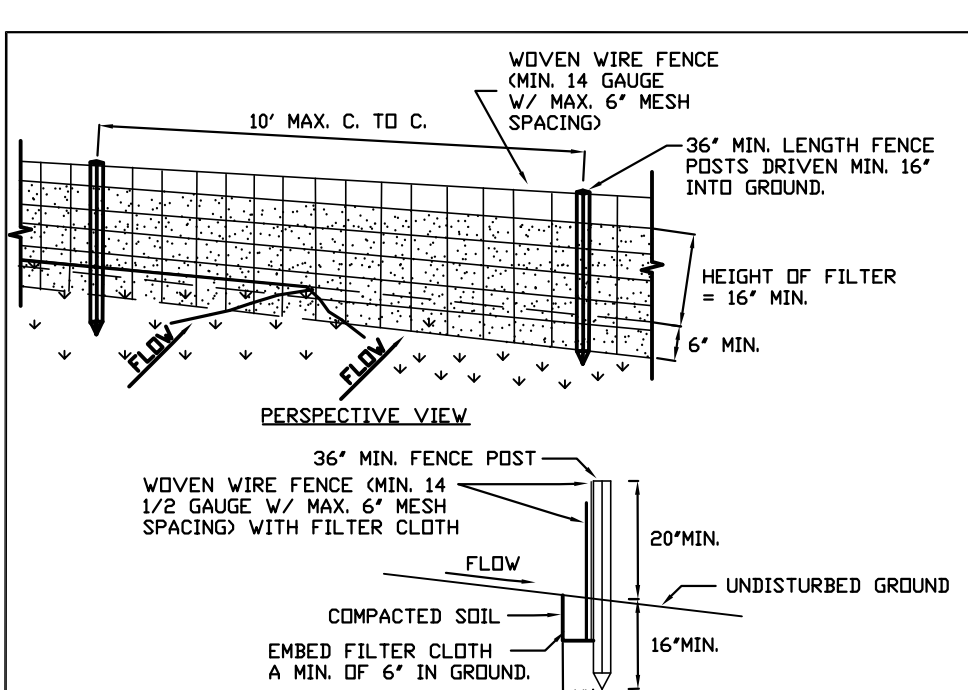
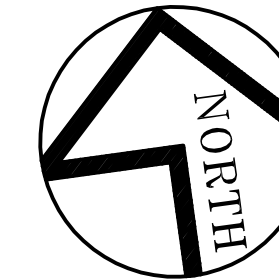
GENERAL SECURITY NOTES :

- A. ALL WORK MUST BE PERFORMED IN SUCH A MANNER SO AS TO MAINTAIN FACILITY SECURITY AT ALL TIMES IN STRICT ACCORDANCE WITH SECTION 015633 OF THE PROJECT MANUAL.
- B. ALL WORK NEAR THE PERIMETER SECURITY FENCES MUST BE PERFORMED IN SUCH A MANNER SO AS TO MAINTAIN PERIMETER SECURITY AT ALL TIMES IN STRICT ACCORDANCE WITH SECTION 015634 OF THE PROJECT MANUAL.
 - a) COORDINATE AND SCHEDULE ALL WORK INVOLVING THE PERIMETER SECURITY SYSTEMS WITH THE DIRECTOR'S REPRESENTATIVE AND THE FACILITY'S SECURITY SUPERVISORY PERSONNEL.
 - b) SUBMIT A WORK PLAN IN STRICT ACCORDANCE WITH SECTION 015634 OF THE PROJECT MANUAL. SCHEDULE ALL WORK A MINIMUM OF 72 HOURS PRIOR TO INTENDED WORK ON OR NEAR THE PERIMETER SECURITY SYSTEMS.
 - c) NO WORK IS TO BE PERFORMED NEAR THE PERIMETER SECURITY FENCES WITHOUT WRITTEN APPROVAL FROM THE DIRECTOR'S REPRESENTATIVE AND THE FACILITY'S SECURITY SUPERVISORY PERSONNEL.
- C. THE FACILITY IS PROTECTED BY PERIMETER FENCES, PERIMETER FENCE LIGHTING SYSTEM, PERIMETER ALARM SYSTEMS AND PERIMETER SURVEILLANCE CCTV SYSTEM, WHICH ARE INTEGRATED TOGETHER TO WORK AS A SINGLE PERIMETER SECURITY SYSTEM. THESE SYSTEMS SHALL BE FULLY OPERATIONAL AT ALL TIMES DURING THE WORK OF THIS CONTRACT. THE WORK REQUIRED BY THIS CONTRACT NEAR THESE SYSTEMS, SHALL BE PERFORMED IN SUCH A MANNER SO AS TO PREVENT ANY DOWN TIME (INTERRUPTIONS) TO ANY OF THESE SYSTEMS.
- D. THE EXACT LOCATIONS OF EXISTING UNDERGROUND UTILITIES AND PERIMETER SECURITY SYSTEM LINES ARE UNKNOWN AND SHOWN APPROXIMATE ONLY. BEFORE ANY WORK IS STARTED NEAR THE PERIMETER FENCES, DETERMINE EXACT LOCATION OF ALL UNDERGROUND UTILITIES AND PERIMETER SECURITY SYSTEM LINES (WHETHER SHOWN ON DRAWINGS OR NOT) BY USE OF AN UNDERGROUND UTILITY LOCATOR SERVICE. MARK AND PROTECT ALL UNDERGROUND UTILITIES AND PERIMETER SECURITY SYSTEM LINES. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE TO ANY UNDERGROUND UTILITIES AND PERIMETER SECURITY SYSTEM LINES.
- E. EXTREME CAUTION SHALL BE USED WHEN WORKING NEAR THE PERIMETER SECURITY SYSTEMS AND THEIR ASSOCIATED CONDUITS. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE TO THESE SYSTEMS AND/OR LOSSES DUE TO DAMAGE TO THESE SYSTEMS, INCLUDING THE COST TO REPAIR THE DAMAGE AND ANY COST INCURRED BY THE STATE FOR ADDITIONAL SECURITY STAFF TO PROTECT THE PERIMETER OF THE FACILITY DUE TO ANY OUTAGES OF THE SECURITY SYSTEMS.

WORK AT MEDIUM SECURITY CORRECTIONAL FACILITIES THAT REQUIRES THE INSTALLATION OF UNDERGROUND UTILITIES THRU THE FACILITY'S PERIMETER FENCES, OPEN CUT EXCAVATIONS MAY BE ALLOWED IF APPROVED BY DOCS. SUBMIT REQUEST TO OGS (MR. AJAJ SHANKAR OR TONY BEZA) TO SEE IF OPEN CUT EXCAVATION WILL BE ALLOWED AND TO HAVE THE LOCATIONS OF THE EXCAVATIONS APPROVED.



1 PARTIAL SITE PLAN
1" = 10'-0"
1 2 13 23



- CONSTRUCTION SPECIFICATIONS**
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "1" OR "1/2" TYPE OR HARDWOOD.
 2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA 1140N, OR APPROVED EQUIVALENT.
 4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
 5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- ADAPTED FROM DETAILS PROVIDED BY USDA - NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE.

SILT FENCE

OGS
NY'S OFFICE OF GENERAL SERVICES
Serving New York
ANDREW M. CUOMO
Governor
ROANN M. DESITTO
Commissioner

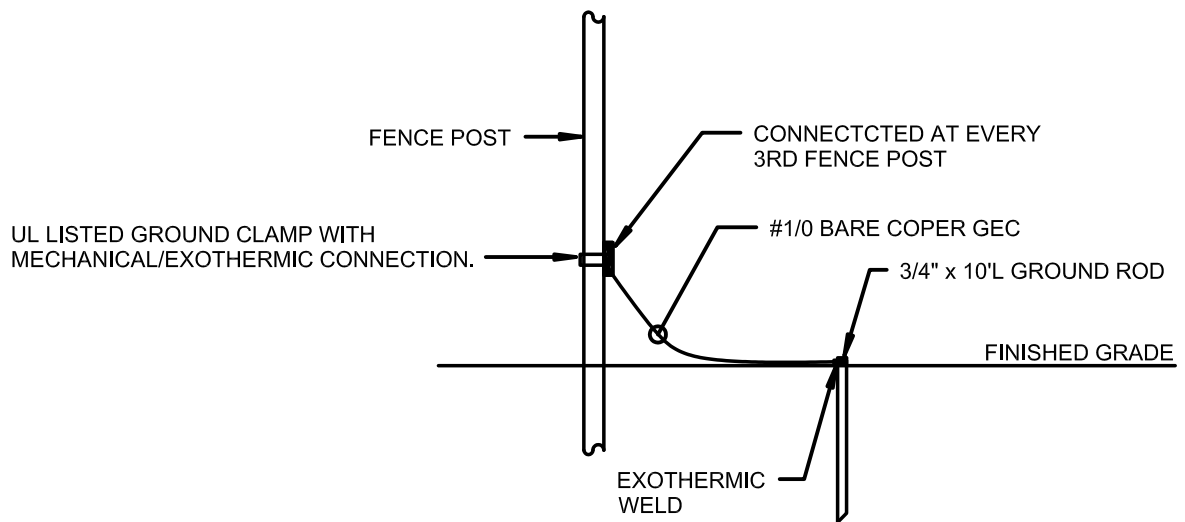
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WATTS
ARCHITECTURE & ENGINEERING
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WARNING:
THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT OR AN ARCHITECT, ENGINEER OR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" MISDEMEANOR.

CONTRACT:
ELECTRICAL
TITLE:
REPLACE SWITCHGEAR AND EMERGENCY GENERATOR BUILDING NOS. 18 AND 43
LOCATION:
GREENE CORRECTIONAL FACILITY COUNTY ROUTE 9 COXSACKIE, NY 12051
CLIENT:
DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

DATE	02/17/18	BID ADDENDUM #1
DATE	05/18/15	FINAL SUBMISSION
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	44698	- E
DESIGNED BY:		MD
DRAWN BY:		WB
FIELD CHECK:		RT
APPROVED:		RT
SHEET TITLE:	PARTIAL SITE PLAN	
DRAWING NUMBER:	E-002	
SHEET	5	OF 19



10 FENCE GROUNDING DETAIL

 Office of General Services DESIGN & CONSTRUCTION	CONSULTANT
	CANNONDESIGN CONTRACT: ELECTRICAL PROJ. NO: 44698-E DATE: 02/17/16 DRAWN: APPROVED: -

SHEET TITLE: DETAIL 10/E-502: FENCE GROUNDING DETAIL BID ADDENDUM #1	DWG NO: SD-E001
PROJECT: REPLACE SWITCHGEAR AND EMERGENCY GENERATOR BUILDING NOS. 18 AND 43	
<small>WARNING: THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.</small>	