

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

ADDENDUM NO. 1 TO PROJECT NO. 45687

**HVAC WORK, AND ELECTRICAL WORK
PROVIDE DIRECT BURY CHILLED WATER AND STEAM/CONDENSATE PIPING
MANHOLE 12 TO 7A
STATE OFFICE BUILDING CAMPUS
1220 WASHINGTON AVENUE
ALBANY, NY**

July 20, 2018

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.

HVAC WORK SPECIFICATIONS

1. SECTION 312513 EROSION AND SEDIMENT CONTROL: Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 312513-1 thru 312513-5) noted "REVISED 07/19/18".

HVAC WORK DRAWINGS

2. Revised Drawings:
 - a. Drawing No. C-001 noted "REVISED DRAWING 07/19/18" accompanies this Addendum and supersedes the same numbered originally issued drawing.

ELECTRICAL WORK

3. No Addenda at this time.

END OF ADDENDUM

Erik T. Deyoe, P.E.
Director, Division of Design
Design & Construction

SECTION 312513

EROSION AND SEDIMENT CONTROL

PART 1 GENERAL

1.01 RELATED WORK SPECIFIED ELSEWHERE

- A. Earthwork: Section 310000.
- B. Topsoil: Section 329120.
- C. Seeding: Section 329219.

1.02 REFERENCES

- A. Erosion and Sediment Control Guidelines: Conform to the latest edition of “NEW YORK STANDARDS and SPECIFICATIONS for EROSION and SEDIMENT CONTROL” by NYS Department of Environmental Conservation DOW (i.e., Bluebook). Refer to these guidelines for construction and maintenance of all items (Temporary and Permanent Structural, Vegetative and Biotechnical).

1.03 RESPONSIBILITY

- A. A Storm Water Pollution and Prevention Plan (SWPPP) has been prepared for this project. Install and maintain the temporary storm water and diversion control items as shown on the drawings before starting any grading or excavation and maintain compliance of all Storm Water Pollution Plan/SPDES regulations. Provide any temporary sediment and erosion control measures that may be required within limits of the work, including any staging areas, throughout construction in conformance with the plan, and as directed by the Director’s Representative. Place the permanent control practices required before the removal of the temporary storm water diversion and control items.
- B. During construction conduct operations in such a manner as to prevent or reduce to a minimum any damage to any water body from pollution by debris, sediment, chemical or other foreign material, or from the manipulation of equipment and/or materials in or near a stream or ditch flowing directly to a stream. Any water which has been used for wash purposes or other similar operations which become polluted with sewage, silt, cement, concentrated chlorine, oil, fuels, lubricants, bitumens, or other impurities shall not be discharged into any water body.
- C. In the event of conflict between these specifications and the regulation of other Federal, State, or local jurisdictions, the more restrictive regulations shall apply.

- D. The Contractor shall adhere to all requirements of the Storm Water Pollution Prevention Plan as presented on Drawing Nos. C-001 and C-110. Comply with all applicable NYSDEC regulatory requirements.
- E. The Contractor will submit copies of certificates documenting that on-site workers have completed a NYS Department of Environmental Conservation endorsed Erosion & Sediment Control training as required by General Permit GP-0-15-002.

1.04 DESCRIPTION

- A. The Work shall consist of furnishing, installing, inspecting, maintaining, and removing soil and erosion control measures as shown on the contract documents or as ordered by the Director's Representative during the life of the contract to provide erosion and sediment control.
- B. Temporary structural measures provide erosion control protection to a critical area for an interim period. A critical area is any disturbed, denuded slope subject to erosion. These are used during construction to prevent offsite sedimentation. Temporary structural measures shall include check dams, construction road stabilization, stabilized construction entrance, dust control, silt fence, storm drain inlet protection, or other erosion control devices or methods as required.
- C. Permanent structural measures also control protection to a critical area. They are used to convey runoff to a safe outlet. They remain in place and continue to function after completion of construction. Permanent structural measures shall include debris basins, diversion, grade stabilization structure, land grading, lined waterway (rock), paved channel, paved flume, retaining wall, riprap, rock outlets, and stream bank protection or other erosion control devices or methods as required.
- D. Vegetative measures shall include brush matting, dune stabilization, grassed waterway, vegetating waterway, mulching, protecting vegetation, seeding, sod, straw/hay bale dike, stream bank protection, temporary swale, topsoil, and vegetating waterways.
- E. Weekly inspections will be completed by the Director's Representative. Comply with and correct all deficiencies found as a result of these inspections. At the end of the construction season when soil disturbance activities will be finalized or suspended until the following spring, the frequency of the inspections may be reduced. If soil disturbance is completely suspended and the site is properly stabilized, a minimum of monthly inspections must be maintained. The stabilization activities must be completed before snow cover or frozen ground. If vegetation is required, seeding, planting and/or sodding must be scheduled to avoid die-off from fall frosts and allow for proper germination/establishment. Weekly inspections must resume no later than March 15.

1.05 DEFINITIONS – TEMPORARY STRUCTURAL MEASURES

- A. Construction Road Stabilization: Stabilization of construction roads to control erosion.
- B. Stabilized Construction Entrance: A stabilized pad of aggregate underlain with geo-textile where traffic enters a construction site to reduce or eliminate tracking of sediment to public roads.
- C. Dust Control: Prevent surface and air movement of dust from disturbed soil surfaces.
- D. Silt Fence: A barrier of geo-textile fabric installed on contours across the slope to intercept runoff by reducing velocity. Replace after 1 year.
- E. Storm Drain Inlet Protection: A semi-permeable barrier installed around storm inlets to prevent sediment from entering a storm drainage system.

1.06 DEFINITIONS – PERMANENT STRUCTURAL MEASURES

- A. Retaining Wall: A structural wall constructed to prevent soil movement down steep slopes.

1.07 DEFINITIONS – VEGETATIVE MATERIALS MEASURES

- A. Mulches: Hay, straw, wood cellulose, fiber mats, flexible growth medium and other materials approved by the Director's Representative.
- B. Protecting Vegetation: Protecting trees, shrubs, ground cover and other vegetation from damage.
- C. Temporary Seeding: Erosion control protection to a critical area for an interim period. A critical area is any disturbed, denuded slope subject to erosion.
- D. Permanent Seeding: Grasses established and combined with shrubs to provide perennial vegetative cover on disturbed, denuded, slopes subject to erosion.
- E. Sod: Used where a quick vegetative cover is required.
- F. Topsoil: Placed before permanent seeding or sod is installed.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Plant Materials for biotechnical slope protection: Locate stands of specified species and obtain approval to harvest material from these stands or obtain from managed production beds that are maintained for commercial distribution. Install all plant materials within 8 hours of cutting or provide proper storage.

1. Shrub willows: “Streamco” purpleosier willow, and “Bankers” dwarf willow.
 2. Redosier Dogwood
- B. Seeding: Permanent see Section 329219.

2.02 COMPANIES-TEMPORARY STRUCTURAL

- A. Mirafi, 365 South Holland Drive, Pendergrass, Ga, 30567, (888) 795-0808, www.mirafi.com.
- B. North American Green, 14649 Highway 41 North, Evansville, IN 47725, (800) 772-2040, www.nagreen.com.
- C. Apex Resources Inc., 12910 Shelbyville Road, Louisville, KY 40243 (888) 677-2739, www.apexr.com.
- D. MonoSol, LLC, 707 E. 80th PL., Merrillville, IN 46410 (800) 237-9552, www.terraloc.com.

PART 3 EXECUTION

3.01 WORK AREAS

- A. The Director’s Representative has the authority to limit the surface area of erodible earth exposed by earthwork operations and to direct the Contractor to provide immediate temporary or permanent erosion measures to minimize damage to property and contamination of watercourses and water impoundments. Under no circumstances will the area of erodible earth material exposed at one time exceed 50,000 sq. ft. The Director’s Representative may increase or decrease this area of erodible earth material exposed at one time as determined by his analysis of project, weather and other conditions. The Director’s Representative may limit the area of clearing and grubbing and earthwork operations in progress commensurate with the Contractor’s demonstrated capability in protecting erodible earth surfaces with temporary, permanent, vegetative or biotechnical erosion control measures.
- B. Schedule the work so as to minimize the time that earth areas will be exposed to erosive conditions. Provide temporary structural measures immediately to prevent any soil erosion.
- C. Provide temporary seeding on disturbed earth or soil stockpiles exposed for more than 7 days or for any temporary shutdown of construction. In spring, summer or early fall apply rye grass at a rate of 1 lb/ 1000 sq.ft. In late fall or early spring, apply certified Aroostook Rye at a rate of 2.5 lbs./ 1000 sq. ft. Apply hay or straw at a rate of 2 bales/ 1000 sq. ft. or wood fiber hydromulch at the manufacturer’s recommended rate. Hay or straw shall be anchored.

- D. Coordinate the use of permanent controls or finish materials shown with the temporary erosion measures.
- E. All erosion and sediment control devices must be maintained in working order until the site is stabilized. All preventative and remedial maintenance work, including clean out, repair, replacement, re-grading, re-seeding, or re-mulching, must be performed immediately.
- F. After final stabilization has been achieved temporary sediment and erosion controls must be removed. Areas disturbed during removal must be stabilized immediately.

END OF SECTION

SITE PLAN LEGEND:

EXISTING	
⊙ R1633	SURVEY BASELINE POINT
○	MONITORING WELL
□	BENCH
○	BOLLARD
○	BENCHMARK
⊙	CONTROL MONUMENT
⊙	TRAFFIC SIGNAL BOX
⊙	CAMERA POLE
⊙	TRAFFIC SIGNAL POLE
⊙	LIGHT POLE
⊙	FLOOD LIGHT
⊙	FAS BOX
⊙	ELECTRICAL BOX
⊙	AIR CONDITIONER
⊙	DECIDUOUS TREE
⊙	CONIFEROUS TREE
⊙	SIGN 1
⊙	SIGN 2
⊙	SIGN 3
⊙	SHRUB
⊙	POST
⊙	GUY WIRE
⊙	UTILITY POLE
⊙	UTILITY POLE WITH LIGHT
⊙	BUILDING NUMBER
⊙	TOP OF FRAME ELEVATION
⊙	INVERT ELEVATION
⊙	SPOT ELEVATION
⊙	STORM SEWER MANHOLE
⊙	SQUARE CATCH BASIN
⊙	ROUND CATCH BASIN
⊙	YARD DRAIN
⊙	CLEANOUT
⊙	SANITARY SEWER MANHOLE
⊙	MANHOLE
⊙	TELEPHONE MANHOLE
⊙	TELEPHONE PEDESTAL
⊙	HEAT MANHOLE
⊙	POWER MANHOLE
⊙	SIGNAL MANHOLE
⊙	HYDRANT
⊙	WATER VALVE
⊙	POST INDICATOR VALVE
⊙	SPRINKLER HEAD
⊙	WATER SPIGOT
⊙	WATER MANHOLE
⊙	IRRIGATION CONTROL VALVE
⊙	WATER SIAMSE CONNECTION
⊙	UNDERGROUND CONDUIT
⊙	GAS METER
⊙	GAS VALVE
⊙	VALVE
⊙	END SECTION
⊙	FLAG POLE
⊙	MAIL BOX
⊙	VENT
⊙	TABLE
⊙	ELECTRICAL HANDHOLES
⊙	CABLE PEDESTAL
⊙	TELEPHONE
⊙	SIGNAL
⊙	PUMP CONDENSATE
⊙	CHILLED WATER
⊙	MEDIUM PRESSURE STEAM
⊙	TRAP DISCHARGE
⊙	RETAINING WALL
⊙	OVERHEAD
⊙	WATER
⊙	FUEL
⊙	STEAM CONDENSATE
⊙	UNKNOWN UTILITY
⊙	VEGETATION LINE
⊙	CHAINLINK FENCE
⊙	GAS
⊙	SANITARY SEWER
⊙	GUIDE RAIL
⊙	ELECTRIC
⊙	STORM SEWER
⊙	CONTOUR LINE
⊙	BARBED WIRE FENCE
⊙	HIGH TEMPERATURE HOT WATER
⊙	HIGH VOLTAGE ELECTRIC
PROPOSED	
⊙	EXISTING FEATURE TO BE REMOVED
⊙	MISCELLANEOUS LINEAR REMOVAL
⊙	SILT FENCE
⊙	CONTRACT LIMIT LINE
⊙	IN-PAVEMENT INLET PROTECTION
⊙	OUT-OF-PAVEMENT INLET PROTECTION
⊙	STEEL CASING PIPE
⊙	PUSH/RECEIVING PIT

SURVEY MAP NOTES:

- EXISTING ELEVATIONS, STRUCTURES AND UTILITIES SHOWN ON BASE MAPPING WERE OBTAINED FROM SURVEY PROVIDED BY THE NEW YORK STATE OFFICE OF GENERAL SERVICES AND OBTAINED BY ACTUAL FIELD MEASUREMENTS PERFORMED BY MJ ENGINEERING AND LAND SURVEYING, P.C. IN JUNE 2015 AND OCTOBER 2016. ALL ELEVATIONS, DIMENSIONS AND LOCATIONS OF EXISTING STRUCTURES, UTILITIES, VEGETATION, WATERWAYS, ROADS, DRIVEWAYS, SIGNS, AND PROPERTY AND RIGHT OF WAY LINES ARE CONSIDERED APPROXIMATE AND SHOULD BE FIELD VERIFIED PRIOR TO STARTING CONSTRUCTION (INCLUDING REMOVALS). CALL DIG SAFE PRIOR TO ANY EXCAVATION.
- VERIFY BOTH HORIZONTAL AND VERTICAL CONTROL INFORMATION PRIOR TO THE START OF CONSTRUCTION.
- THE DIRECTOR'S REPRESENTATIVE SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. DO NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL OF THE DIRECTOR'S REPRESENTATIVE.
- SUBJECT TO ALL RIGHTS, EASEMENTS, COVENANTS OR RESTRICTIONS OF RECORD.

MAP REFERENCES AND RECORD UTILITY SOURCE NOTES:

- ALL MAPPING OF THE HARRIMAN STATE OFFICE CAMPUS BASED UPON DIGITAL CAD FILES PROVIDED BY THE NYS OFFICE OF GENERAL SERVICES.

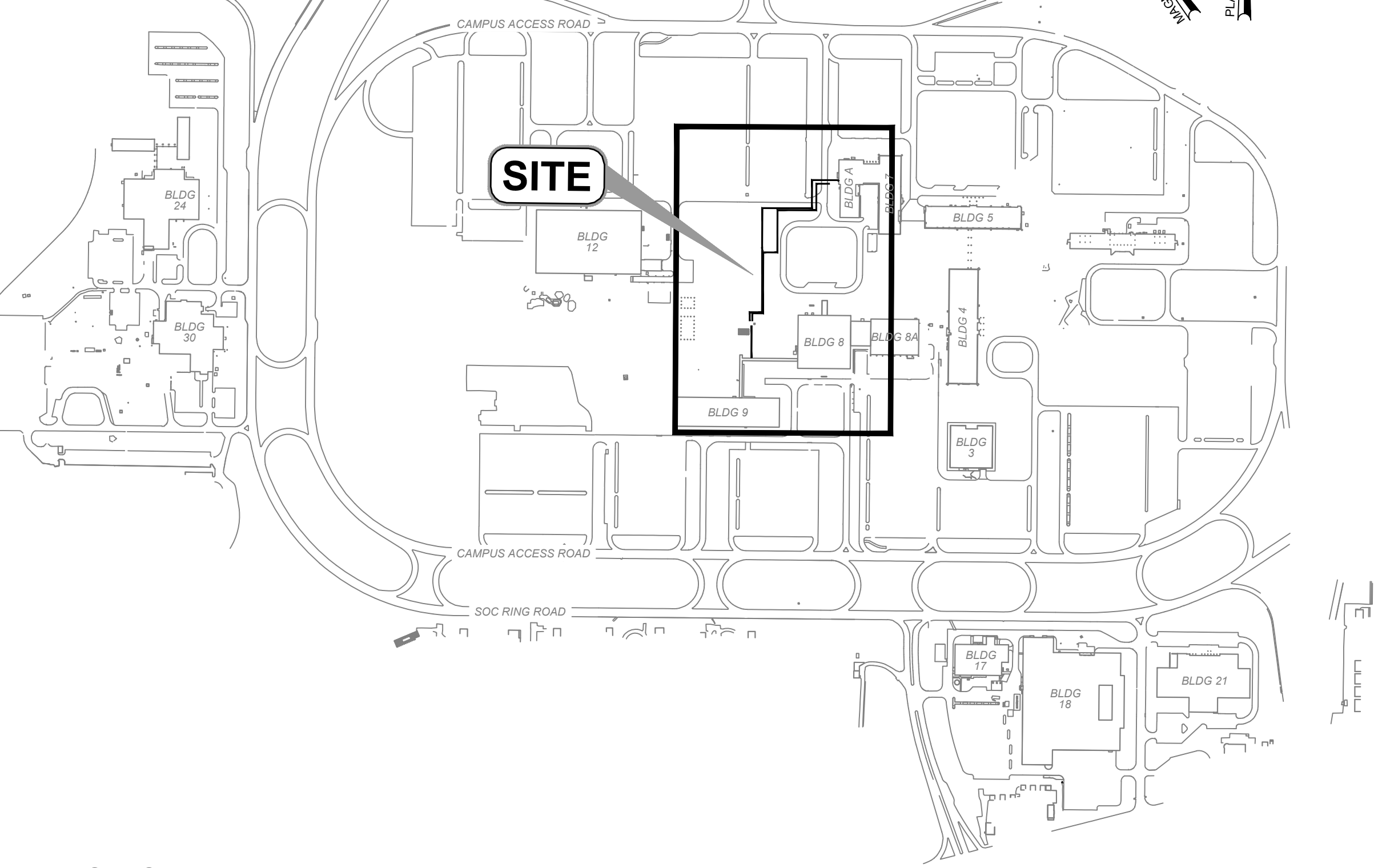
GENERAL NOTES:

- EXISTING UTILITIES SHOWN OR NOT SHOWN, INCLUDING BUT NOT LIMITED TO WATER, SEWER (SANITARY AND STORM), UNDERGROUND ELECTRICAL, TELEPHONE, COMMUNICATION AND SERVICES SHALL BE LOCATED AND PROTECTED. REPLACE OR REPAIR ANY DAMAGED UTILITY TO THE SATISFACTION OF THE DIRECTOR'S REPRESENTATIVE NO ADDITIONAL COST TO THE STATE.
- PROTECT ALL EXISTING STORM WATER DRAINAGE FACILITIES TO REMAIN, INCLUDING PIPES, DRAINAGE STRUCTURES, SWALES, DITCHES, ETC. REPLACE AND RESTORE ANY AND ALL OF THESE FACILITIES AFFECTED BY CONSTRUCTION ACTIVITIES, AT NO ADDITIONAL COST TO THE STATE.
- BECOME FAMILIARIZED WITH SITE CONDITIONS AND INCLUDE PROVISIONS TO AVOID CONFLICTS WITH AND/OR RESTORE SITE FEATURES TO AS GOOD OR BETTER CONDITION. NO SEPARATE OR ADDITIONAL PAYMENT WILL BE MADE FOR WORK REQUIRED TO AVOID CONFLICTS WITH EXISTING SURFACE FEATURES OR RESTORE THOSE WHICH ARE NOT SHOWN.
- UNLESS OTHERWISE NOTED ON THE PLANS, ALL EXISTING FEATURES WHICH ARE DISTURBED OR DAMAGED DURING CONSTRUCTION, (INCLUDING BUT NOT LIMITED TO CURB VERTICES, SWALES, TREES, SHRUBS, BUSHES, PLANTERS, SIGNS, ASPHALT DRIVES, CONCRETE DRIVES, CURBS, FENCES AND WALKWAYS), SHALL BE RESTORED AND/OR REPLACED IN KIND, SIZE, MATERIAL AND TYPE AS APPLICABLE, AT NO ADDITIONAL COST TO THE STATE. SAWCUT ASPHALT AND CONCRETE PAVEMENT WHERE CROSSED.
- LOCATE, FLAG AND PRESERVE SURVEY MONUMENTS AND PROPERTY CORNER MARKERS. HAVE A LICENSED SURVEYOR RE-ESTABLISH ANY PROPERTY CORNERS OR SURVEY MONUMENTS DISTURBED DURING CONSTRUCTION AT NO COST TO THE STATE.
- PRESERVE AND PROTECT ALL EXISTING VEGETATION NOT INDICATED TO BE REMOVED BY THE WORK UNDER THIS CONTRACT. PROVIDE FENCES, BARRICADES AND OTHER SUITABLE DEVICES TO PREVENT DAMAGE BY VEHICLES. RESTRICT VEHICULAR TRAFFIC TO AREAS OUTSIDE THE DRIP LINE OF TREES. PREVENT COMPACTION OF SOIL WITHIN THE DRIP LINE OF TREES AND SHRUBS. DO NOT DRIVE OR PARK VEHICLES ON LAWNS.
- MAKE EVERY ATTEMPT TO PRESERVE ALL TREES. NO CLEARING SHALL BE CONDUCTED UNLESS FIRST APPROVED BY THE DIRECTOR'S REPRESENTATIVE. ANY LANDSCAPING OR TREES WHICH ARE NOT INDICATED TO BE REMOVED AND ARE DAMAGED SHALL BE REPLACED IN KIND AT NO ADDITIONAL COST TO THE STATE.
- RESTORE ALL SURFACES TO AS GOOD OR BETTER CONDITION THAN BEFORE CONSTRUCTION IMMEDIATELY FOLLOWING COMPLETION OF WORK IN ANY AREA, OR AS DIRECTED BY THE DIRECTOR'S REPRESENTATIVE.
- RESTRICT LOCATIONS OF ON-SITE MATERIALS AND EQUIPMENT STOCKPILES TO THE AREAS AGREED TO BY THE DIRECTOR'S REPRESENTATIVE. MAINTAIN ACCESS TO ALL BUILDINGS, ROADWAYS, AND WALKWAYS AT ALL TIMES.
- SITE DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION. THE ROADS SHALL BE KEPT CLEAR OF MUD AND DEBRIS AT ALL TIMES.
- FURNISH AND APPLY WATER FOR DUST CONTROL AS NEEDED, NO SEPARATE PAYMENT FOR DUST CONTROL SHALL BE MADE.
- CONTRACTOR OWNED EQUIPMENT TO BE STORED ON SITE SHALL BE LOCATED IN DESIGNATED EQUIPMENT STORAGE AREAS AS DIRECTED BY THE DIRECTOR'S REPRESENTATIVE.
- REMOVE ALL SNOW AND ICE AS NEEDED TO PERFORM WORK AT NO ADDITIONAL COST. CONSTRUCTION ACTIVITIES SHALL NOT INTERFERE WITH THE STATE'S ABILITY TO REMOVE SNOW AND PROVIDE ICE CONTROL AS WELL.
- FOR CLARITY, EXISTING UTILITIES GENERALLY SHOWN LIGHT. NEW UTILITIES INCLUDING CHILLED WATER AND STEAM PIPING GENERALLY SHOWN HEAVY.
- PRIOR TO PERFORMING INSTALLATIONS AND OTHER WORK OPERATIONS, PERFORM EXPLORATORY EXCAVATIONS IN THE LOCATIONS WHERE NEW UNDERGROUND STRUCTURES ARE TO BE INSTALLED, WHERE PIPING CROSSES EXISTING UTILITIES AND WHERE PIPING CONNECTIONS TO EXISTING PIPING OR STRUCTURES SO THAT IF MINOR ADJUSTMENTS MUST BE MADE IN ELEVATION AND/OR ALIGNMENT, DUE TO INTERFERENCE, THESE CHANGES CAN BE MADE IN ADVANCE OF THE WORK. NO ADDITIONAL PAYMENT SHALL BE MADE FOR EXPLORATORY EXCAVATIONS.
- FIELD VERIFY ALL EXISTING PIPING ELEVATIONS, LOCATIONS, SIZES AND MATERIALS. DIFFERENCES NOT SHOWN ON THE CONTRACT DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE DIRECTOR'S REPRESENTATIVE PRIOR TO PERFORMING ANY WORK.
- THE DIRECTOR'S REPRESENTATIVE SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL OF THE DIRECTOR'S REPRESENTATIVE.
- ALL EXISTING UTILITY LINES NEAR THE INSTALLATION OF NEW UNDERGROUND STRUCTURES SHALL BE PROTECTED, PRESERVED AND SUPPORTED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
- PROVIDE SHEETING OR SHORING AS NECESSARY TO ACCOMPLISH THE WORK. ENSURE THE PROTECTION OF WORKERS IN THE EXCAVATIONS AND ADJACENT UTILITIES, ROADWAYS AND STRUCTURES. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS RELATED TO ANY DAMAGE OF EXISTING FEATURES TO REMAIN DURING EXCAVATION ACTIVITIES.
- THE CONTROL OF EROSION AND SEDIMENT ORIGINATING FROM CONSTRUCTION OPERATIONS IS CONSIDERED A CRITICAL RESPONSIBILITY OF THE CONTRACTOR. EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMMENCING WORK AND SITE DISTURBANCE.
- CONFORM TO APPLICABLE CODE FOR DEMOLITION AND REMOVAL ACTIVITIES, SAFETY OF ADJACENT STRUCTURES, DUST CONTROL, RUNOFF CONTROL, AND HAULING, DISPOSAL AND STORAGE OF DEBRIS.
- LEGALLY DISPOSE OF REMOVED MATERIALS. ALL DEBRIS RESULTING FROM DEMOLITION AND REMOVAL ACTIVITIES SHALL BE DISPOSED OF OFF-SITE AT A FACILITY LEGALLY APPROVED TO RECEIVE THE DEBRIS. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS. DO NOT ALLOW REMOVED MATERIALS TO ACCUMULATE ON-SITE. DO NOT BURN REMOVED MATERIALS ON-SITE.

SWPPP NOTES

- CONSTRUCTION PHASING PLAN**
DO NOT EXCEED 5 ACRES OF LAND DISTURBANCE AT ONE TIME AS PART OF THIS CONTRACT.
- EROSION AND SEDIMENT CONTROL PRACTICES**
REFER TO DRAWING AND THE DETAILS AND THE PROJECT MANUAL FOR LOCATION, SIZES AND SPECIFICATIONS OF EROSION AND SEDIMENT CONTROL DEVICES.
 - TEMPORARY SEDIMENT CONTROL - SILT FENCE**
SILT FENCE REDUCES RUNOFF VELOCITY AND CAUSES SETTLING OF SEDIMENT. INSTALL SILT FENCE WHERE SHOWN. INSTALL AROUND ANY STOCKPILED SOIL MATERIALS.
 - TEMPORARY SEEDING**
TEMPORARY SEEDING REDUCES EROSION AND SEDIMENT LOSS FROM BARE GROUND. PROVIDE TEMPORARY SEEDING TO PROVIDE TEMPORARY COVER FOR DISTURBED EARTH OR SOIL STOCKPILES. PROVIDE TEMPORARY SEEDING PER THE DRAWINGS OR AT A MINIMUM ON DISTURBED AREAS OR SOIL STOCKPILES HELD FOR LONGER THAN 7 DAYS, TEMPORARY SHUT DOWN OF CONSTRUCTION OR WAITING FOR OPTIMAL PLANTING TIME. IN SPRING, SUMMER OR EARLY FALL APPLY RYE GRASS AT A RATE OF 1 LB / 1000 SQ. FT. IN LATE FALL OR EARLY SPRING, APPLY CERTIFIED AROOSTOOK RYE AT 2.5 LBS. / 1000 SQ. FT. APPLY STRAW AT 2 BALES / 1000 SQ. FT. OR WOOD FIBER HYDROMULCH AT MANUFACTURER'S RECOMMENDED RATE. STRAW SHALL BE ANCHORED.
 - CONCRETE WASHOUT**
CONCRETE WASHOUT SHALL BE DONE OFF SITE OR THE CONTRACTOR SHALL MAINTAIN A PREFABRICATED WASHOUT CONTAINER EQUAL TO THE LOW PROFILE RAMPED CONTAINER MANUFACTURED BY CONCRETE WASHOUT SYSTEMS. WWW.CONCRETEWASHOUT.COM. ALL WASTE WATER AND SEDIMENT FROM THE UNIT SHALL BE LEGALLY DISPOSED OF OFF-SITE IN ACCORDANCE WITH STATE, LOCAL AND FEDERAL REQUIREMENTS. LOCATION OF THE WASHOUT AREAS SHALL BE APPROVED BY DIRECTOR'S REPRESENTATIVE.
 - DUST CONTROL**
DUST CONTROLS PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM DISTURBED AREAS THAT MAY CAUSE OFF SITE DAMAGE, HEALTH HAZARDS AND TRAFFIC SAFETY PROBLEMS. PROVIDE DUST CONTROL THRU SUCH MEASURES AS SPRINKLING, CHEMICAL SOIL TREATMENTS AND TEMPORARY AND PERMANENT STABILIZATION MEASURES, SUCH AS SEEDING, MULCHING AND INSTALLING EROSION CONTROL BLANKETS. THESE MEASURES WILL PREVENT DUST FROM BLOWING OFF SITE. INSTALL TEMPORARY AND PERMANENT STABILIZATION MEASURES PURSUANT TO THE DRAWINGS, AS SOON AS FINAL GRADES ARE REACHED AND ON SOIL STOCKPILES AND DISTURBED AREAS TO BE LEFT FOR LONGER THAN 7 DAYS. USE SPRINKLING, CHEMICAL SOIL TREATMENTS AND OTHER METHODS AS REQUIRED TO PREVENT BLOWING DUST.
 - STORM DRAIN INLET PROTECTION**
INLET PROTECTION IS A TEMPORARY, PERMEABLE BARRIER INSTALLED AROUND A STORM WATER INLET THAT PREVENTS SEDIMENT LADEN WATER FROM ENTERING THE SYSTEM BY FILTERING AND/OR CAUSING SEDIMENT TO SETTLE. INSTALL INLET PROTECTION IMMEDIATELY UPON INSTALLATION OF A STORM DRAIN INLET. USE STONE AND BLOCK PROTECTION AROUND INLETS IN PAVED/GRAVEL AREAS. USE FABRIC PROTECTION AROUND INLETS INSTALLED IN LANDSCAPED AREAS. REMOVE PROTECTION UPON FINAL STABILIZATION OF THE SITE.
 - PERMANENT SEEDING**
PERMANENT SEEDING PREVENTS SOIL EROSION FROM BARE SOIL. ONCE FINAL GRADING OF AN AREA HAS BEEN COMPLETED, PROVIDE PERMANENT SEEDING AND MULCHING PER SPECIFICATION.
- POLLUTION PREVENTION MEASURES**

- IN ADDITION TO THE EROSION AND SEDIMENT CONTROL MEASURES IMPLEMENTED AT THE SITE, THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING MEASURES TO PREVENT LITTER, CHEMICALS AND DEBRIS FROM ENTERING THE STORM DRAINS AND DISCHARGES FROM THE SITE OR INTO SENSITIVE AREAS (AS DEFINED ON THE PLANS).
- PROPERLY INSTALL AND MAINTAIN EROSION AND SEDIMENT CONTROL DEVICES AS OUTLINED IN THE PROJECT DOCUMENTS AND IN COMPLIANCE WITH THE LATEST EDITION OF THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
 - PROPERLY CONTAIN AND DISPOSE OF ALL MATERIALS USED ON SITE.
 - CLEAN UP SPILLS IMMEDIATELY TO MINIMIZE SAFETY HAZARD AND PREVENT SPREADING.
 - ROUTINELY INSPECT AND CLEAN OUT STORM CATCH BASINS AND CONVEYANCES.
 - CONTROL LITTER BY SWEEPING AND PICKING IT UP DAILY.
 - IF POSSIBLE, DO NOT STORE FUEL OR PETROLEUM PRODUCTS ON - SITE. IF FUEL/PETROLEUM PRODUCTS ARE STORED ON SITE:
 - USE SECONDARY CONTAINMENT MEASURES.
 - HAVE EQUIPMENT AND MATERIALS ON SITE TO CONTAIN AND CLEAN UP SPILLS IN FUEL STORAGE AREAS OR ON BOARD MAINTENANCE AND FUELING VEHICLES.
 - CONTAIN AND CLEAN UP SPILLS IMMEDIATELY.
 - PRACTICE PREVENTIVE MAINTENANCE FOR ON-SITE EQUIPMENT.
 - OVERSEE ALL FILLING OPERATIONS.
 - PRACTICE GOOD HOUSEKEEPING AND EDUCATE EMPLOYEES ON POLLUTION PREVENTION MEASURES.
 - STORE ON SITE MATERIALS AND CHEMICALS IN A NEAT AND ORDERLY MANNER AND IN AREAS DESIGNATED FOR SUCH STORAGE.
 - DISPOSE OF GARBAGE, RUBBISH, CONSTRUCTION AND SANITARY WASTE ROUTINELY.
 - IMMEDIATELY CLEAN UP ANY SPILLS.
 - IMMEDIATELY CLEAN UP ANY SEDIMENTS OR WASTE TRACKED ONTO PUBLIC HIGHWAYS OR TRANSPORTED ONTO ADJACENT PROPERTIES.
 - USE DUST CONTROL METHODS.
 - FOR CONSTRUCTION WASTE:
 - DESIGNATE A WASTE COLLECTION AREA.
 - PROVIDE AN ADEQUATE NUMBER OF CONTAINERS WITH LIDS OR COVERS THAT CAN BE PLACED OVER CONTAINERS PRIOR TO RAINFALL.
 - ARRANGE FOR WASTE COLLECTION ON A ROUTINE BASIS AND PRIOR TO CONTAINER OVERFLOW.
 - IF A CONTAINER DOES SPILL, CLEAN UP IMMEDIATELY.
 - CONSTRUCTION WASTE SHALL BE COLLECTED, REMOVED AND DISPOSED OF IN APPROVED DISPOSAL AREAS.
 - DISPOSAL METHODS SHALL MEET THE REQUIREMENTS OF FEDERAL, STATE AND LOCAL REQUIREMENTS.



PROJECT KEY PLAN
SCALE: N.T.S.

SWPPP NOTES (CON'T)

- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING TEMPORARY SANITARY FACILITIES. DOMESTIC WASTE HALLERS SHALL BE CONTRACTED TO REGULARLY REMOVE THE SANITARY WASTE AND TO MAINTAIN THE FACILITIES IN GOOD WORKING ORDER.
- IF FERTILIZERS ARE USED ON SITE:
 - LIMIT THE APPLICATION OF FERTILIZERS TO THE MINIMUM AREA REQUIRED AND USE THE MINIMUM RECOMMENDED AMOUNTS.
 - REDUCE THE EXPOSURE OF FERTILIZERS TO STORM WATER RUN OFF BY WORKING THE FERTILIZER INTO THE SOIL.
 - APPLY FERTILIZER MORE FREQUENTLY BUT AT A LOWER APPLICATION RATE.
 - EROSION AND SEDIMENT CONTROL PRACTICES, IMPLEMENTATION SCHEDULE**

PRACTICE	INITIAL PLACEMENT	DURATION
SILT FENCE	PRIOR TO EARTH DISTURBANCE & IMMEDIATELY UPON STOCK-PILING OF SOIL STOCKPILES	UNTIL SITE STABILIZATION & UNTIL REMOVAL OF STOCK PILE
DUST CONTROL	UPON COMMENCEMENT OF SITE DISTURBANCE	UNTIL SITE STABILIZATION
VEHICLE WASHING	UPON COMMENCEMENT OF SITE DISTURBANCE	UNTIL SITE STABILIZATION
STABILIZED CONSTRUCTION ENTRANCE	PRIOR TO SITE DISTURBANCE	UNTIL SITE STABILIZATION
INLET PROTECTION	PRIOR TO EARTH DISTURBANCE	UNTIL SITE STABILIZATION
CONCRETE WASHOUT	UPON COMMENCEMENT OF CONCRETE ACTIVITIES	COMPLETION OF CONCRETE ACTIVITIES

- EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE SCHEDULE**
 - INSPECT THE SILT FENCE AND CONSTRUCTION FENCE SURROUNDING SENSITIVE AREAS ON A NIGHTLY BASIS DURING CONSTRUCTION. MAINTENANCE, REPAIR OR REPLACEMENT OF THE FENCING SHALL BE DONE IMMEDIATELY.
 - INSPECT ALL REMAINING EROSION AND SEDIMENT CONTROL DEVICES AFTER EACH RAIN EVENT AND ON A WEEKLY BASIS. MAINTENANCE, REPAIR OR REPLACEMENT SHALL BE DONE IMMEDIATELY. MAINTENANCE, REPAIR AND REPLACEMENT SHALL ALSO OCCUR AS DIRECTED BY THE DIRECTOR'S REPRESENTATIVE.
 - SILT FENCE: SHALL BE INSPECTED FOR TEARS, GULGING AND FOR AREAS WHERE IT HAS FALLEN DOWN. REPAIR OR REPLACE AS NECESSARY.
 - EROSION CONTROL BLANKETS: SHALL BE CHECKED FOR PROPER/MISSING ANCHORING, PLACEMENT DENSITY, DAMAGE DUE TO VANDALISM OR CONSTRUCTION ACTIVITIES. REPAIR OR REPLACE AS NECESSARY.
 - STABILIZED CONSTRUCTION ENTRANCE: SHALL BE MAINTAINED SO THAT TRACKING OF SEDIMENT ONTO PUBLIC HIGHWAYS DOES NOT OCCUR. TOP DRESS AS REQUIRED.
 - FABRIC INLET PROTECTION: CHECK FOR DAMAGED MATERIALS AND SEDIMENT ACCUMULATION. REPAIR OR REPLACE ANY DAMAGED FABRIC. REMOVE ACCUMULATED SEDIMENT.
 - STONE AND BLOCK INLET PROTECTION: CHECK FOR DAMAGED MATERIALS AND ACCUMULATED SEDIMENT. REPAIR OR REPLACE MATERIALS OF CONSTRUCTION AS NEEDED. REMOVE ANY ACCUMULATED SEDIMENT.
 - FOREBAYS: SIDE SLOPES SHALL BE CHECKED FOR SCOUR, DAMAGE FROM RODENTS AND SEEPAGE. THE FOREBAYS AND DETENTION PONDS SHALL BE CONTINUOUSLY MONITORED FOR SEDIMENT ACCUMULATION. ONCE SEDIMENT ACCUMULATION HAS REACHED 12" IN DEPTH, IT SHALL BE REMOVED AND DISPOSED OF OFF SITE. THE OUTLETS SHALL BE CHECKED FOR SIGNS OF SCOUR AND OBSTRUCTIONS. REPAIRS SHALL BE MADE AS NECESSARY.
 - RIP RAP OUTLETS: SHALL BE CHECKED FOR OBSTRUCTIONS AND SCOUR. REMOVE OBSTRUCTIONS AND REPAIR AS NECESSARY.
 - CATCH BASINS AND PIPING SHALL BE CHECKED FOR OBSTRUCTIONS AND SEDIMENT ACCUMULATION. CLEAN AS NECESSARY.
- SWPPP IMPLEMENTATION**
COMPLY WITH AND IMPLEMENT THE SWPPP. REFER TO PROJECT SPECIFICATION AND THE CONTRACTOR'S CERTIFICATION STATEMENT IN THE SWPPP.

THE QUALIFIED PROFESSIONAL AS DEFINED IN GENERAL PERMIT GP-0-15-002 IS RESPONSIBLE FOR PERFORMING AND DOCUMENTING THE INITIAL SITE ASSESSMENT AND PERFORMING THE WEEKLY (AND MORE FREQUENT WHILE 5 ACRE WAIVER IS IN EFFECT) SITE INSPECTING AS REQUIRED BY THE SPDES PERMIT.

SWPPP NOTES (CON'T)

- CONSTRUCTION COMPLETION**
UPON CONSTRUCTION COMPLETION:
 - INSPECT THE CATCH BASINS, STORM WATER MANHOLES AND STORM WATER CONVEYANCE SYSTEM FOR OBSTRUCTIONS OR SEDIMENT. REMOVE OBSTRUCTIONS AND CLEAN STRUCTURES AND PIPING AS NECESSARY.
- UPON SITE STABILIZATION:
 - REMOVE ANY REMAINING TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES. STABILIZE AREA.
- WINTER OPERATIONS/WINTER SHUT DOWN**
 - FOR WINTER OPERATIONS
 - SNOW SHALL BE PLOWED AND PILED ON PAVED AREAS. SNOW SHALL NOT BE PLOWED ONTO GRASSED AREAS OR INTO WETLAND AREAS.
 - DRAINAGE STRUCTURES SHALL BE CHECKED WEEKLY AND AFTER SNOW EVENTS FOR CLOGGING OR FREEZING. STRUCTURES SHALL BE ABLE TO DRAIN FREELY.
 - INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL DEVICES SHALL CONTINUE PER THE DRAWINGS.
 - FOR WINTER SHUTDOWN
 - ALL BARE SOILS MUST BE STABILIZED BY ESTABLISHED VEGETATION, STRAW, MATTING, ROCK OR EROSION CONTROL PRODUCTS.
 - EROSION AND SEDIMENT CONTROL DEVICES SHALL BE IN PLACE AT ALL SENSITIVE AREAS AND ALONG THE PERIMETER. THIS INCLUDES BUT IS NOT LIMITED TO SILT FENCE, STORM DRAIN INLET PROTECTION, CHECK DAMS AND PIPE OUTLET PROTECTION.
 - SOIL STOCKPILES MUST BE PROTECTED WITH SILT FENCE PROTECTION AROUND THE PERIMETER AND STABILIZED WITH ESTABLISHED VEGETATION, STRAW, ROLLED EROSION CONTROL PRODUCT OR DURABLE COVERING.
 - THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED DURING WINTER SHUTDOWN.
 - SNOW SHALL BE PLOWED TO ALLOW FOR ENTRANCE TO THE SITE ON A MONTHLY BASIS. SNOW SHALL BE PLOWED AND STOCKPILED ONTO PAVED SURFACES. SNOW PLOWING AND STOCKPILED ONTO GRASSED OR INTO SENSITIVE AREAS WILL NOT BE ALLOWED.
 - STABILIZATION MEASURES MUST BE IN PLACE, INCLUDING STABILIZED VEGETATION, WITHIN SEVEN (7) DAYS FROM THE DATE SOIL DISTURBING ACTIVITIES CEASE.

CONTRACTOR PARKING, STAGING AND STORAGE NOTES:

- REFER TO SHEET C-002.



DESIGN & CONSTRUCTION

CONSULTANT



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.

CONTRACT:	
HVAC	
TITLE: PROVIDE DIRECT BURY CHILLED WATER AND STEAM/CONDENSATE PIPING, MANHOLE 12 TO 7A	
LOCATION: STATE OFFICE BUILDING CAMPUS 1220 WASHINGTON AVENUE ALBANY, NY	
CLIENT: NEW YORK STATE OFFICE OF GENERAL SERVICES	

CONTRACT:		
HVAC		
TITLE: PROVIDE DIRECT BURY CHILLED WATER AND STEAM/CONDENSATE PIPING, MANHOLE 12 TO 7A		
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CONTRACT:		
HVAC		
TITLE: PROVIDE DIRECT BURY CHILLED WATER AND STEAM/CONDENSATE PIPING, MANHOLE 12 TO 7A		
LOCATION: STATE OFFICE BUILDING CAMPUS 1220 WASHINGTON AVENUE ALBANY, NY		
CLIENT: NEW YORK STATE OFFICE OF GENERAL SERVICES		
DATE: 07/19/2018 ADDENDUM 1		
DATE: 05/28/2018 BID DOCUMENT		
MARK	DATE	DESCRIPTION
PROJECT NUMBER: 45687 - H		
DESIGNED BY:	JMF	
DRAWN BY:	JMF	
FIELD CHECK:	HE	
APPROVED:	JMB	
SHEET TITLE:		
GENERAL NOTES, LEGEND AND KEY PLAN		
DRAWING NUMBER: C-001		

2016 ENERGY CODE SUPPLEMENT
(SECTION C103.2.2 WRITTEN STATEMENT)

TO THE BEST OF THE KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT OF THE LICENSED PROFESSIONAL SEALING THESE PLANS AND SPECIFICATIONS, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH ENERGY CODE.

REVISED DRAWING
07/19/18