

Section 00800 - Special Contract Requirements

STATEMENT OF WORK

1) TECHNICAL SCOPE OF WORK

- a) **SCOPE:** The Contractor shall provide all supervision, plant, labor, equipment, materials and appliances, and perform all work necessary to maintain, repair, and construct gravel pads, roads, parking lots, asphalt concrete pavement pads, and pavement markings in accordance with the specifications and drawings, and subject to the terms and conditions of the contract.
- b) **GENERAL:** All work shall be done by personnel skilled in the type of work involved. When new work adjoins, connects or abuts existing work or facilities, the existing work or facilities shall be altered as required and the connections made in an approved and professional manner. All existing work or facilities damaged by the Contractor's operations, other than facilities to be removed, shall be repaired or replaced by the Contractor at no cost to the Government. Prior to performance of any work, a pre-performance meeting shall be held at the Mission and Installation Contracting Office – Fort Drum, NY. The Contractor shall have a representative attend who has authority to make decisions for and sign contractual documents on behalf of the Contractor.
- c) **LOCATION:** The site of the proposed work is located within the Cantonment Area of Fort Drum and Wheeler-Sack Army Airfield, approximately ten miles northeast of Watertown, New York; and in the range areas of Fort Drum, which can be up to 50 miles from the cantonment area.
- d) **PRINCIPAL FEATURES:** The work to be performed will include, but not limited to, the following items in accordance with the contract documents:

- 1) **GENERAL REQUIREMENTS:** Payment for General Requirements is a percentage of the total amount of all ELINs combined. This percentage in the bid will apply to all future task orders awarded under this contract.

The Contractor shall provide and implement General Requirements to include, but not limited to: mobilization and demobilization, construction and removal of temporary construction entrances, progress schedules, progress documentation, submittals, temporary removal and replacement of signage, quality control for minor construction including density testing and submitted results, temporary environmental controls, environmental protection, temporary storm water pollution control (such as required Best Management Practices (BMPs)), and construction and demolition waste management.

- 2) **CLEAR & GRUB:** The quantity ordered and payment will be on a per acre basis for Light, Medium, and Heavy vegetation clearing and grubbing; and on a per each basis for individual tree clearing and grubbing. Acreage shall be computed to the nearest 0.1 acres (i.e.: 0.150 acres shall be rounded up to 0.2 acres and 0.149 acres shall be rounded down to 0.1 acres).

All clearing and grubbing operations for work completed under this contract shall be specific to other work ordered under this contract. Clearing and grubbing shall not be ordered under this contract for the sole purpose of site preparation associated with other construction activities.

For the purpose of clearing and grubbing, the project site shall be as defined below and shall be based on the preponderance of existing vegetation at the site. Where the preponderance of vegetation cannot easily be discerned, the greater level of clearing and grubbing effort shall be used (i.e., if the site cannot be easily cauterized between LIGHT and MEDIUM, the ELIN

for MEDIUM shall be used). Clearing and grubbing of trees greater than 24 inches in diameter at breast height (DBH) is beyond the scope of this contract.

- A. **LIGHT:** Light clearing and grubbing is defined as vegetation, brush, and trees ≤ 6 inches DBH. Payment will be made on a per acre basis to the nearest 0.1 acres.
 - B. **MEDIUM:** Medium clearing and grubbing is defined as vegetation, brush, and trees > 6 to ≤ 12 inches DBH and all vegetation defined as LIGHT. Payment will be made on a per acre basis to the nearest 0.1 acres.
 - C. **HEAVY:** Heavy clearing and grubbing is defined as vegetation, brush, and trees > 12 to ≤ 24 inches DBH and all vegetation defined as LIGHT and MEDIUM. Payment will be made on a per acre basis to the nearest 0.1 acres.
 - D. **SELECT TREES ≤ 12 Inches DBH:** Select individual tree clearing and grubbing is defined as trees ≤ 12 inches DBH. This shall only be used for the clearing and grubbing of select trees when specifically stated in the statement of work (SOW). This shall not be used to “supplement” LIGHT, MEDIUM, or HEAVY clearing and grubbing defined sites.
 - E. **SELECT TREES > 12 Inches to ≤ 24 Inches DBH:** Select individual tree clearing and grubbing is defined as trees > 12 Inches ≤ 24 inches DBH. This shall only be used for the clearing and grubbing of select trees when specifically stated in the SOW. This shall not be used to “supplement” LIGHT, MEDIUM, or HEAVY clearing and grubbing defined sites.
- a) Complete clearing and grubbing in accordance with the technical requirements of the contract specifications, Fort Drum requirements, and as defined herein.
 - b) Clearing of trees and vegetation shall be completed in accordance with the *Implementing Instrument for Endangered Species Act Consultation Requirements for the Federally – Endangered Indiana Bat and the Federally-Threatened Northern Long-Eared Bat on Fort Drum Military Installation*. Reference Attachment 4 (Endangered Species Act). This implementing requirement may or may not be updated/revised during the performance period of the contract. The Contractor shall comply with the latest edition and subsequent updates or revisions during the performance period of this contract. Clearing and Grubbing trees and vegetation shall occur between 16 October and 15 April.
 - c) Clearing shall consist of the felling, trimming, and cutting of trees into sections and the satisfactory disposal of the trees and other vegetation designated for removal, including downed timber, snags, brush, and rubbish occurring within the areas to be cleared. Trees, stumps, roots, brush, and other vegetation in areas to be cleared shall be cut off flush with or below the original ground surface, except such trees and vegetation as may be indicated or directed to be left standing.
 - i) Trees designated to be left standing within the cleared areas shall be trimmed of dead branches 1-1/2 inches or more in diameter and shall be trimmed of all branches the heights 12-feet above ground surface or as indicated or directed.
 - ii) Limbs and branches to be trimmed shall be neatly cut close to the bole of the tree or

main branches. Cuts more than 1-1/2 inches in diameter shall be painted with an approved tree-wound paint.

- d) Grubbing shall consist of the removal and disposal of stumps, roots larger than 3 inches in diameter, and matted roots from the designated grubbing areas.
 - i) Material to be grubbed, together with logs and other organic or metallic debris not suitable for backfill purposes, shall be removed to a depth of not less than 18 inches below the original surface level of the ground in areas indicated to be grubbed and in areas indicated as construction areas under this contract, such as areas for buildings and areas to be paved.
 - ii) Depressions made by grubbing shall be filled with similar material to what was removed and compacted to make the surface conform to the original adjacent surface of the ground.
- e) The Contractor shall coordinate through the Directorate of Public Works (DPW) Engineering Division's Project Manager for the environmental review of the tree clearing limits with Fort Drum's Forest Management Program and Fish & Wildlife Management Program.
- f) Requests for environmental review shall be submitted to DPW Engineering Division's Project Manager a minimum of five (5) business days prior to scheduled tree clearing operations.
- g) No tree cutting, clearing of vegetation or grubbing operations will be permitted prior to Government approval of the clearing limits.
- h) Once the final footprint has been established on the ground and clearing limit drawing files have been provided, Fort Drum's Forest Management Program will make a determination of timber value as either un-merchantable or merchantable.
- i) Merchantable timber shall be marked with red paint by the Forest Management Program inspector.
- j) Timber determined to be un-merchantable due to size, species or amount shall be the Contractor's responsibility to dispose of off the installation at an appropriately permitted facility. Timber determined to be merchantable shall be handled in one of two options:

Option 1: The Contractor shall fell, limb, haul, and pile all valued timber in an area designated by the DPW Environmental Forestry Management Program (this is typical of small project footprints and low quantities of trees). Government retains ownership of the timber with value.

Option 2: Timber rights for the timber to be removed on this project are required to be purchased from the U.S. Government prior to removal. The Contractor will execute a local sale contract with the Fort Drum Forest Management Program at fair market value (as determined by the Forest Management Program based on historical Fort Drum stumpage values). The Contractor shall deposit into the Army Forestry Account a dollar amount equal to the fair market value of the timber.

- k) Where the Forest Management Program will harvest the timber through a commercial timber sale, the Contractor shall coordinate work with the Forest Management Program. Coordination of work shall define timelines and deliverables for each.

- l) Where construction scoping is developed prior to the final footprint and final value assessment, timber rights for timber to be removed on this project are required to be purchased from the U.S. Government prior to removal; or timber shall be left onsite.
 - m) In cases of removal, a local sales contract shall be conducted with the Fort Drum Forest Management Program and the fair market value (as determined by the Forest Management Program based on historic stumpage values) will be deposited by the contractor into the Army Forest Management Account. Trees marked with a painted red stripe are the property of the U.S. Government. These trees shall be handled in the following manner by the Contractor:
 - i) Trees shall be felled and all limbs removed from the trunk;
 - ii) Trees shall be cut starting from the base (as close to the ground as possible). The entire main stem shall be kept in one piece, to a top diameter of 8 inches; and
 - iii) All stems shall be piled in a manner and area designated by Fort Drum Forest Management Program
- 3) **SELECT DEMOLITION:** The quantity ordered and payment shall be based on the total cubic yard (CY) volume to be removed.

Excavate, remove and dispose of existing surface and subsurface debris/material down to Base Course/Sub-grade material. Complete selective demolition of reinforced, non-reinforced concrete pavement, asphalt pavements or other materials (headwalls, stairs, pipe, etc.) in accordance with the technical requirements of the contract specifications and as defined herein.

- A. Work shall include, but not limited to, demolition of all concrete and asphalt pavements or other materials as specified.
- B. Demolition of pavements shall be completed using industry standard practices, such as the double saw cut method, which protects adjacent pavement that is to remain from damage.
- C. Work shall include all saw cutting, demolition, removal, and disposal of removed construction debris.

- 4) **EXCAVATION:** The quantity ordered and payment shall be based on the total CY volume to be excavated.

Excavate, remove and dispose of existing surface and subsurface materials (such as grass, topsoil, sand, gravel, and rocks). Excavation work shall be completed in accordance with the technical requirements of the contract specifications.

- A. Work shall include stripping of existing topsoil, bulk excavation to subgrade, fine grading, compaction and testing of subgrade materials, stockpiling, and disposal of waste soils.
- B. Soils excavated onsite that meet the classification requirements for Select Granular Fill may be stock piled onsite and reused for construction.
- C. Waste soils not meeting the classification for Select Granular Fill or soils that meet the classification for Select Granular Fill that are not reused shall be disposed of off of

Government property.

Topsoil stripped from the site that meets the technical requirements for TOPSOIL in accordance with the specifications identified in paragraph 16.A. of this Statement of Work may be stockpiled onsite and reused for site restoration. Topsoil stripped from site that does not meet the technical specifications for TOPSOIL shall not be reused and shall be disposed of off Government property.

- 5) **GEOSYNTHETICS:** The quantity ordered and payment shall be based on the total square yards to be installed.
- A. **GEOTEXTILE SOIL STABILIZATION FABRIC:** Provide and install geotextile soil stabilization fabric in accordance with the manufacturer's installation instructions and recommendations. Install geotextile soil stabilization fabric on an appropriately prepared subgrade constructed to line and grade and compaction in accordance with the technical requirements of the applicable geotextile soil stabilization fabric. Geotextile soil stabilization fabric shall meet New York State Department of Transportation (NYSDOT) Standard Specification Geosynthetics, 737.0106 Combination Monofilament/Fibrillated Yarn – Woven (C-W), Class 1 Strength (<50% elongation).
 - B. **GEOGRIDS:** Provide and install geogrids in accordance with the manufacturer's installation instructions and recommendations. Geogrids shall meet NYSDOT Standard Specification 737- 07 Geogrids for the intended application.
- 6) **FILL MATERIALS:** The quantity ordered and payment shall be based on the total CY to be calculated in place.
- A. **SELECT GRANULAR FILL:** The cost for this ELIN shall be based on the total CY calculated in place. Supply, place, grade and compact new Select Granular Fill (by CY). Select granular fill material for general backfill will consist of materials classified as GW, GP, SW, or SP by ASTM D2487. Select granular fill for use under pavements shall meet NYSDOT Standard Specification 733-1101 – Select Granular Fill (Typical). Select granular fill shall be installed in 12-inch lifts as to the thickness specified within the plans associated with each task order and compacted to 95% of the laboratory maximum density in accordance with ASTM D1557
 - B. **SAND BACKFILL:** Supply, place, grade, and compact new Sand Fill (by CY). Sand fill material for general backfill shall meet NYSDOT Standard Specification 733-15 – Sand Backfill). Sand Backfill fill shall be installed in 12-inch lifts as to the thickness specified within the plans associated with each task order and compacted to 95% of the laboratory maximum density in accordance with ASTM D1557.
- 7) **AGGREGATE SUBBASE COURSE:** The quantity ordered and payment shall be based on the total CY to be calculated in place.
- Supply, place, roll and compact new crushed stone aggregate base course. Provide and install sub-base material in accordance with the technical requirements of the contract specifications and as specified herein. Grade and compact existing subgrade course.
- A. Subgrade shall be constructed to line, grade, and cross section and compacted to a depth of 6-inches in accordance with ASTM D1557 to a minimum of 95% of the laboratory maximum density prior to placement of the sub-base material.
 - B. Pavement Sub-base material shall:

- i) Be NYDOT Type 2 stone (NYDOT Item 304.12).
 - ii) Be placed in 6-inch lifts compacted to 95% of the laboratory maximum density in accordance with ASTM D1557.
 - iii) Extend a minimum of 6-inches beyond the edge of the paving surface (i.e., outside edge of lowest pavement course).
 - iv) Be constructed to line, grade and cross section prior to placement of paving course.
- C. Each sub-base course shall have a compacted thickness of not less than 6 inches.
- D. Correct surface deviations in the top lift in excess of 3/8 inch by loosening, adding or removing material, reshaping, watering, and compacting.
- 8) **HOT MIX ASPHALT (HMA) PAVING:** The quantity ordered and payment shall be based on the total square yards calculated in place.
- A. **HMA TOP COURSE:** Provide and install 1.5-inch thick 9.5 F2 Top Course HMA, 70 Series Compaction (NYSDOT Item 402.097202). Price shall include application of tack coat to the contact surface of the underlying HMA.
 - B. **HMA BINDER COURSE:** Provide and install 2.5-inch thick 19 F9 Binder Course HMA, 70 Series Compaction (NYSDOT Item 402.197902). Price shall include application of tack coat to the contact surface of the underlying HMA.
 - C. **HMA 3 INCH BASE COURSE:** Provide and install 3-inch thick 37.5 F9 Base Course HMA, 70 Series Compaction (NYSDOT Item 402.377902). Price shall include application of tack coat to the contact surface of the underlying HMA.
 - D. **HMA 6 INCH BASE COURSE:** Provide and install 6-inch thick 37.5 F9 Base Course HMA, 70 Series Compaction (NYSDOT Item 402.377902). Base Course HMA shall be installed in two (2) three-inch lifts. Price shall include application of tack coat to the contact surface of the first HMA base course.
 - E. **SHIM COURSE:** Provide and install Shim Course F9, HMA (NYSDOT Item 402.058904) less than 1 inch in average thickness to remove surface irregularities such as, but not limited to, wheel ruts and spalling of milled surfaces. Install Shim Course HMA in one (1) lift. Price shall include application of tack coat to the contact surface of the underlying pavement. Compact shim course with a minimum of three passes of a pneumatic rubber tire roller.
 - F. **TRUING & LEVELING COURSE:** Provide and install Truing & Leveling Course F9, HMA, 70 Series Compaction (NYSDOT Item 402.017904) up to 1.5 inches in average thickness to remove surface irregularities to establish/reestablish transverse slope and longitudinal grade required for finished pavement surface. Install Truing & Leveling Course HMA in one (1) lift. Price shall include application of tack coat to the contact surface of the underlying pavement.

HMA pavement shall be provided and installed in accordance with NYSDOT Standard Specifications for Type F2 conditions. Apply tack coat on the contact surfaces between all HMA pavement lifts in accordance with NYSDOT Standard Specification Section 407, *Tack Coat*, prior to placing HMA mixture regardless of time period between lifts. Tack coat application rates shall be in accordance with NYSDOT Standard Specification Table 407-1. Tack coat shall be NYSDOT Item 407.0102 Diluted Tack Coat. Paving over a tack coat should not commence until the emulsion has broken (goes from brown to black) or is tacky when touched. Compact the HMA pavement sufficiently using the NYSDOT 70 Series Compaction Method for routine paving. Where project work is not sufficient to establish

Pavement Target Density (PTD) prior to routine paving, achieve pavement densities in a range of 92% to 97%, expressed as a percentage of the mixture's maximum theoretical density (MMTD). Where work is sufficient to establish PTD prior to routing paving, establish the PTD in accordance with NYSDOT Standard Specification for 70 Series Compaction Method. Begin routine paving immediately after the PTD has been established. Compact the pavement sufficiently to achieve the PTD value at each test location. The minimum acceptable density reading will be 96% or maximum of 103% of the PTD in a single test location, and 98% of the PTD calculated as a moving average of the last 10 test locations as determined by a density gauge. The Contractor shall use a nuclear gauge to monitor pavement density. Note, the calculated PTD should be between 92% and 97% of the mixtures MMTD when considering a typical offset for the gauge being used. The MMTD shall be provided to the Government, which can be obtained from the HMA producer.

9) PAVEMENT MARKINGS:

Pavement markings shall be installed in accordance with NYSDOT Standard Specification Section 640 – Reflectorized Pavement Marking Paints, the Manual for Uniform Traffic Control Devices (latest Edition), and the NYSDOT Supplement. When pavement markings are applied under traffic, the Contractor shall provide all necessary maintenance and protection of traffic to protect the work operations and to protect the painted pavement markings until thoroughly dry and serviceable. Reflective glass beads shall conform to NYSDOT Standard Specification 727-05 Glass Beads for Reflectorized Pavement Paints. The painted pavement markings shall be uniformly applied to the pavement surface at the minimum specified wet film thickness of 20-mils. Immediately following paint application, reflective glass beads shall be uniformly applied to the wet paint film at the rate of at least six lb./gal of paint. The applied pavement markings shall have clean-cut edges and true and smooth alignment.

- A. **WHITE OR YELLOW PAINT REFLECTORIZED PAVEMENT STRIPES- 20 MILS (NYSDOT Item 640.20):** The quantity ordered and payment shall be based on linear feet of a 4-inch-wide stripe along the edge or centerline of the pavement. Stripes shall include Normal Lane Line, Normal Edge Line, Normal Broken Lane Line, Normal Dotted Lane Line, and Normal Dotted Extension Line.
- B. **YELLOW PAINT REFLECTORIZED PAVEMENT STRIPES- 20 MILS (NYSDOT Item 640.21):** The quantity ordered and payment shall be based on linear feet of two 4-inch-wide stripes along the centerline of the pavement stripe. Stripes shall include Partial Barrier Line (PBL) and Full Barrier Line (FBL).
- C. **WHITE PAINT REFLECTORIZED PAVEMENT LETTER- 20 MILS (NYSDOT Item 640.22):** The quantity ordered and payment shall be on a per each basis. For example, the word "ONLY" will be measured as 4 each.
- D. **WHITE PAINT REFLECTORIZED PAVEMENT SYMBOLS (NYSDOT Item 640.23):** The quantity ordered and payment shall be on a per each basis. Double and triple headed arrows will each be measured as a single unit (i.e., there is no difference in measurement between a single, double, or triple headed arrow).
- E. **WHITE PAINT REFLECTORIZED PAVEMENT TYPE L CROSS WALK - 20 MILS (LADDER BAR):** The quantity ordered and payment shall be based on the total linear feet of 1-foot-wide strips necessary to complete the entire crossing. Example: Type L Cross Walk requires 36 1-foot wide by 8-foot-long ladder bars, the total contract length is 288 feet).
- F. **WHITE PAINT REFLECTORIZED PAVEMENT STOP LINE- TYPE B (SL-B) - 20 MILS:** White Paint Reflectorized Pavement Stop Line – Type B (SL-B) – 20 mils. The quantity ordered and payment shall be based on a

linear foot basis as measured along the centerline of the stop line.

- G. **WHITE OR YELLOW PAINT REFLECTORIZED PAVEMENT HATCH LINES- TYPE A (HL-A) – 20 MILS:** The quantity ordered and payment shall be based on the total linear feet of 8-inch-wide hatch lines as measured along the centerline of each hatch.
 - H. **WHITE OR YELLOW PAINT REFLECTORIZED PAVEMENT HATCH LINES – TYPE B (HL-B) – 20 MILS:** The quantity ordered and payment shall be based on the total linear feet of 12-inch-wide hatch lines as measured along the centerline of each hatch.
 - I. **WHITE OR YELLOW PAINT REFLECTORIZED PAVEMENT HATCH LINES – TYPE C (HL-C) – 20 MILS:** The quantity ordered and payment shall be based on the total linear feet of 24-inch-wide hatch lines as measured along the centerline of each hatch.
 - J. **WHITE PAINT REFLECTORIZED PAVEMENT RAILROAD GRADE CROSSING – 20 MILS:** The quantity ordered and payment shall be based on each complete crossing. A complete crossing shall include the 24-inch-wide clearance line, two 24-inch crossbars, two “R” letters, and the “X” symbol.
 - K. **WHITE PAINT REFLECTORIZED PAVEMENT PARKING STALL – 20 MILS:** The quantity ordered and payment shall be based on the total linear feet of 4-inch-wide pavement striping.
 - L. **REFLECTORIZED PAVEMENT PARKING – HANDICAP SYMBOL – 20 MILS:** The quantity ordered and payment shall be on a per each basis. The 4-inch-wide handicap parking stall striping is ordered under Item 009k.
 - M. **REFLECTORIZED PAVEMENT OVERSIZE HANDICAP PARKING STALL HATCH LINES – HANDICAP SYMBOL – 20 MILS:** The quantity ordered and payment shall be for each oversized handicap parking stall. The 4-inch-wide handicap parking stall striping is ordered under Item 009k.
- 10) **COLD MILLING:** The quantity ordered and payment shall be based on the total square yards of milled area to a depth of 1.5 inches. This work shall consist of the milling, shaping, and removal of portions of the existing paved surface and subsequent cleaning utilizing equipment and procedures in accordance with NYSDOT Standard Specification Section 490 – Cold Milling. Areas not accessible to the milling machine, such as around and/or adjacent to inlets, manholes, and curbs may be removed by a small milling machine, handwork, or other industry standard method. All milled material, including that removed by other means, shall be immediately removed from the milled surfaces and adjacent surfaces. Surfaces shall be cleaned of all fines and dust prior to opening to traffic. The Contractor shall perform work in such a manner so that dust is controlled and does not interfere with installation operations. Milled and adjacent surfaces shall be cleaned again, prior to the placement of tack coats, or pavement courses if traffic has been allowed on the milled surface and/or if more than 48 hours have elapsed since the initial cleaning.
- 11) **CULVERTS:** The quantity ordered and payment for PIPE shall be on a per linear foot basis of the specified pipe material and diameter. The quantity ordered and payment for END SECTIONS shall be on a per each basis. The Contractor shall provide and install culverts in accordance with NYSDOT Standard Specification Section 603 – Culverts and Storm Drains. Work shall include all piping materials, excavation, pipe bedding, backfill, compaction, and grading for a complete installation.
- A. **SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAINPIPE – 18 INCH DIAMETER (NYSDOT ITEM**

603.9818)

- B. **CORRUGATED ALUMINUM END SECTIONS PIPE (NYSDOT ITEM 603.5424):** This end section is for Item 11A.
- C. **SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAINPIPE – 24 INCH DIAMETER (NYSDOT ITEM 603.9824)**
- D. **CORRUGATED ALUMINUM END SECTIONS PIPE (NYSDOT ITEM 603.5430):** This end section is for Item 11C.
- E. **SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAINPIPE – 30-INCH DIAMETER (NYSDOT ITEM 603.9830)**
- F. **CORRUGATED ALUMINUM END SECTIONS PIPE (NYSDOT ITEM 603.5436):** This end section is for Item 11E.
- G. **SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAINPIPE – 36-INCH DIAMETER (NYSDOT ITEM 603.9836)**
- H. **CORRUGATED ALUMINUM END SECTIONS PIPE (NYSDOT ITEM 603.5442):** This end section is for Item 11G.
- I. **REINFORCED CONCRETE PIPE CLASS III – 18-INCH DIAMETER (NYSDOT ITEM 603.6018)**
- J. **REINFORCED CONCRETE PIPE END SECTIONS (NYSDOT ITEM 603.7318):** This end section is for Item 11I.
- K. **REINFORCED CONCRETE PIPE CLASS III – 24-INCH DIAMETER (NYSDOT ITEM 603.6024)**
- L. **REINFORCED CONCRETE PIPE END SECTIONS (NYSDOT ITEM 603.7324):** This end section is for Item 11K.
- M. **REINFORCED CONCRETE PIPE CLASS III – 30-INCH DIAMETER (NYSDOT ITEM 603.6030)**
- N. **REINFORCED CONCRETE PIPE END SECTIONS (NYSDOT ITEM 603.7330):** This end section is for Item 11M.
- O. **REINFORCED CONCRETE PIPE CLASS III – 36-INCH DIAMETER (NYSDOT ITEM 603.6036)**
- P. **REINFORCED CONCRETE PIPE END SECTIONS (NYSDOT ITEM 603.7336):** This end section is for Item 11O.

12) AIRFIELD PAVEMENT CRACK AND CONCRETE JOINT REPAIR AND SEALING:

The quantity ordered and payment will be on a linear foot basis as specified. Clean, prepare and fill existing cracks in asphalt, concrete surface, and existing cracks in the joint between existing asphalt concrete shoulder and existing concrete runway/taxiway on Wheeler Sack Army Airfield as per specifications of UNIFIED FACILITIES CRITERIA UFC 3-250-08FA; STANDARD PRACTICE FOR SEALING JOINTS AND CRACKS IN RIGID AND FLEXIBLE PAVEMENTS; ARMY TM 5-822-11, and AIR FORCE AFP 88-6, Chap. 7. Joint sealant to be used shall be equal to or better than General Services Administration Federal Specifications (SS-S-1401C or SS-S-1614A, as applicable) or as per ASTM Specifications ASTM D6690 or ASTM D7116 as applicable).

SS-S-1401C Sealant, Joint, Non-Jet-Fuel-Resistant, Hot-Applied, for Portland Cement and Asphalt Concrete Pavements

SS-S-1614A Sealants, Joint, Jet-Fuel-Resistant, Hot-Applied, for Portland Cement and Tar Concrete Pavements

ASTM D6690 Standard Specification for Joint and Crack Sealants, Hot Applied, for Concrete and Asphalt Pavements

ASTM D7116 Standard Specification for Joint Sealants, Hot Applied, Jet Fuel Resistant Types, for Portland cement Concrete Pavements

A. AIRFIELD ASPHALT PAVEMENT CRACK SEALING: The quantity ordered and payment will be on a linear foot basis. This line item is applicable to all airfield asphalt pavement to include the joint between asphalt pavement and existing concrete runways/taxiways.

B. AIRFIELD CONCRETE JOINT REPAIR AND SEALING: The quantity ordered and payment will be on a linear foot basis. This line item is applicable to concrete transverse and longitudinal joints in runways, taxiways, ramps, aprons, other concrete pavements used for aircraft traffic. Transverse and Longitudinal joints in concrete pavement varies significantly and can range in width from less than 1 inch to 3 inches or greater.

13) CLEANING, SEALING, AND FILLING JOINTS AND CRACKS (NON-AIRFIELD ASPHALT PAVEMENT: The quantity ordered and payment will be based on linear feet of existing pavement and/or shoulder surfaces repaired. Work shall be completed in accordance with NYSDOT Standard Specification 633-02 Cleaning, Sealing and/or Filling Joints and Cracks; except as modified herein. Joints and cracks less than 1/8-inch are not required to be cleaned or sealed. Seal joints and cracks in existing pavement from 1/8-inch to 1-inch wide with an asphalt filler.

14) UTILITIES: Work shall include raising and lowering of existing utility structures to match final grade and the installation of new utility structures to match final grade. Work shall include all materials, select demolition, excavation, backfill, compaction, and grading for a complete installation. It is the Contractor's responsibility to notify the Contracting Officer (KO) of any structures that are not specifically identified in the task order requirement that will affect construction. Failure of the Contractor to notify the KO will be at the Contractor's risk. Materials and work shall be in accordance with The NYDOT Standard specifications and Fort Drum Standards.

A. RAISE/LOWER EXISTING UTILITY STRUCTURES TO FINAL GRADE: The quantity ordered and payment shall be on a per each basis. Work shall include the raising and lowering of utility manholes covers/frames, handhold pull box frames/covers, valve boxes, and like structures to match final grades. Replacement of broken or severely damaged structures is not the Contractor's responsibility under this line item. Use HL93 load rated pre-cast grading rings. The Government will order repair/replacement of damaged structures under separate line items.

B. INSTALL NEW WATER VALVE BOX: The quantity ordered and payment shall be on a per each basis. The work shall include select demolition, excavation, backfill, compaction and installation of a new HL93 load rated valve box set to match final grades. Install water valve boxes in unpaved areas with an 8-inch thick 4,000-psi concrete collar. The diameter of the concrete collar shall be 3-times (minimum) the diameter of the top of the valve box.

C. INSTALL NEW GAS VALVE BOX: The quantity ordered and payment shall be on a per each basis. The work shall include select demolition, excavation, backfill, compaction and installation of a new HL93 load rated valve box set to match final grades. Install gas valve boxes in paved and unpaved areas with an 8-inch thick 4,000-

psi concrete collar. The diameter of the concrete collar shall be 3-times (minimum) the diameter of the top of the valve box.

- D. **INSTALL NEW STORM WATER MANHOLE FRAME AND COVER, UP TO 36-INCHES IN DIAMETER:** The quantity ordered and payment shall be on a per each basis. The work shall include select demolition, excavation, backfill, compaction, precast concrete HLK93 load rated grade rings, and installation of a new HL93 load rate frame and cover set to match final grades for a complete installation.
 - E. **INSTALL NEW STORM WATER DRAINAGE STRUCTURE FRAME AND GRATE, UP TO 36-INCHES IN DIAMETER OR UP TO 24-INCH BY 36-INCH RECTANGULAR:** The quantity ordered and payment shall be on a per each basis. The work shall include select demolition, excavation, backfill, compaction, precast concrete HLK93 load rated grade rings, and installation of a new HL93 load rate frame and grate set to match final grades for a complete installation.
 - F. **INSTALL NEW SANITARY SEWER MANHOLE FRAME AND COVER, UP TO 36-INCHES IN DIAMETER:** The quantity ordered and payment shall be on a per each basis. The work shall include select demolition, excavation, backfill, compaction, precast concrete HLK93 load rated grade rings, and installation of a new HL93 load rate frame and cover set to match final grades for a complete installation.
 - G. **INSTALL NEW ELECTRICAL MANHOLE FRAME AND COVER, UP TO 36-INCHES IN DIAMETER:** The quantity ordered and payment shall be on a per each basis. The work shall include select demolition, excavation, backfill, compaction, precast concrete HLK93 load rated grade rings, and installation of a new HL93 load rate frame and cover set to match final grades for a complete installation.
 - H. **INSTALL NEW ELECTRICAL HANDHOLD FRAME AND COVER, UP TO 30-INCHES IN DIAMETER:** The quantity ordered and payment shall be on a per each basis. The work shall include select demolition, excavation, backfill, compaction, precast concrete HLK93 load rated grade rings, and installation of a new HL93 load rate frame and cover set to match final grades for a complete installation.
 - J. **INSTALL NEW ELECTRICAL PULL BOX FRAME AND COVER, UP TO 18-INCH BY 24-INCH RECTANGULAR:** The quantity ordered and payment shall be on a per each basis. The work shall include select demolition, excavation, backfill, compaction, precast concrete HLK93 load rated grade rings, and installation of a new HL93 load rate frame and cover set to match final grades.
 - K. **INSTALL NEW COMMUNICATIONS MANHOLE/HANDHOLD WATERTIGHT LOCKING FRAME AND COVER, UP TO 36-INCHES IN DIAMETER:** The quantity ordered and payment shall be on a per each basis. The work shall include select demolition, excavation, backfill, compaction, precast concrete HLK93 load rated grade rings, and installation of a new HL93 load rate frame and cover IAW with the U.S. Army Installation Information Infrastructure Architecture Technical Guide I3A and Fort Drum Standards set to match final grades. Contractor is not responsible for providing the lock.
 - L. **INSTALL NEW TRACER WIRE VAULT:** The quantity ordered and payment shall be on a per each basis. The work shall include select demolition, excavation, backfill, compaction, tracer wire, continuity testing, and tracer wire vault set to match final grades. Tracer wire vaults installed in unpaved areas shall be installed with 12-inch diameter by 8-inch thick 4,000-psi concrete collar.
- 15) **SEAL COATING:** The quantity ordered and payment shall be based on the number of square yards of asphalt surface area seal coated. Seal coat material shall be coal-tar emulsion meeting the requirements of ASTM D5727.

- 16) **SITE RESTORATION:** Complete site restoration in accordance with the technical

requirements of the contract specifications and as defined herein.

- A. TOPSOIL AND HYDROSEED:** The quantity ordered and payment shall be based on the number of square yards of surface restored with four inches of topsoil and hydro seed.
- i) Topsoil shall contain from 5% to 10% organic matter as determined by the Organic Carbon, 6A Chemical Analysis Method described in DOA SSIR 42. Maximum particle size, $\frac{3}{4}$ inch with maximum 3% retained on $\frac{1}{4}$ -inch screen.
 - ii) The pH shall be tested in accordance with ASTM D 4972. Other components shall conform to the following limits:

Silt	25 – 50%
Clay	10 – 30%
Sand	20 – 35%
pH	5.5 – 7.0
Soluble Salts	900 ppm (maximum)
 - iii) Provide and install 4 inches of topsoil to meet required finish grade.
 - iv) After areas have been brought to finish grade, incorporate fertilizer, pH adjusters, and soil conditioners into soil a minimum depth of 4-inches by disking, harrowing, tilling or other method approved by the KO.
 - v) Remove debris and stones larger than $\frac{3}{4}$ inch in any dimension remaining on the surface after finish grading.
 - vi) Correct irregularities in finish surfaces to eliminate depressions.
 - vii) Protect finished topsoil areas from damage by vehicle and pedestrian traffic.
 - viii) Apply fertilizer, pH adjusters, and soil conditioners at rates determined by laboratory soil analysis of the soils at the job site and in accordance with the manufacturer's recommended application rates.
 - ix) On areas to receive topsoil, prepare the compacted subgrade soil to a 2-inch depth for bonding of topsoil with subsoil.
 - x) Spread topsoil evenly to a thickness of 4 inches and grade to the elevations and slopes required.
 - xi) Do not spread topsoil when frozen or excessively wet or dry.
 - xii) Provide State-approved seed of the latest season's crop delivered in original sealed packages, bearing producer's guaranteed analysis for percentages of mixture, purity, germination, weed seed content, and inert materials.
 - xiii) Apply seed by hydroseeding. Apply fiber at 1,000 Lbs./acre dry weight. Mix seed to ensure broadcasting at a rate of 2.25 pounds per 100 square yards. When hydraulically sprayed on the ground the material shall form a blotter like cover impregnated uniformly with seed. Apply seed with one application. If needed apply a second application perpendicular to the first application.
 - xiv) Do not seed when the ground is muddy, frozen, snow covered, or in an unsatisfactory condition. Apply seed within 24-hours after seedbed preparation.
 - xv) Water areas seeded as required by temperature and wind conditions. Apply water at a rate sufficient to ensure thorough wetting of the soil to a depth of 2 inches without runoff. During the germination process, keep seed actively growing and do not

allow it to dry out.

xvi) Vegetative soil stabilization is established when all areas restored achieve a minimum of 80% uniform vegetative growth.

xvii) Wet, moldy, or otherwise damaged seed will be rejected.

xviii) Planting dates/Seasons are classified into three categories: Season 1 (Spring) Season 2 (Fall), and Temporary (Summer) and defined as follows:

Seed Planting:	Planting Dates
Season 1 (Spring):	15 April to 15 June
Season 2 (Fall):	15 August to 1 October
Temporary (Summer):	16 June to 14 August

Planting Season	Type	Percent (by weight)
Season 1 and Season 2	As specified	As specified
Temporary	Perennial Ryegrass	100

Temporary seeding must later be replaced by Season 1 or Season 2 plantings for a permanent stand of grass. The same requirements of turf establishment for Season 1 and Season 2 apply to temporary seeding.

xix) Seed mixtures can vary on a case-by-case basis, depending on project site conditions, soil test results, and agronomy. Only State-Certified seed of the latest season's crop, provided in original sealed packages bearing the producer's guaranteed analysis for percentages of mixture, purity, germination, hard seed, weed seed content, and inert material will be accepted. Seed shall conform to AMS-01. Weed seed shall not exceed 1% by weight of total mixture. Wet, moldy, or otherwise damaged seed will be rejected. The percentage of pure live seed of each kind in each container or bad seed delivered will be computed by multiplying the percent germination by the percent purity and dividing by 100. The percentage of pure live seed of each kind multiplied by the new weight of the container or bag will indicate the number of pounds of pure live seed of each kind in the container or bag.

Contractor shall provide seed with mixture weight and purity as follows:

Type I – General Lawn Use

Botanical Name	Common Name	Variety	% Mix by weight	% Pure Live Seed
Poa pratensis	Kentucky Bluegrass	Baron or Equal	40	68
Festuca rubra L. Ssp. Commutata Gaud.	Chewing Fescue	Jamestown II (Or equal)	25	78
Festuca rubra	Creeping Red Fescue	Jasper (Or equal)	20	78
Lolium perenne	Perennial Ryegrass	Manhattan II (Or equal)	15	88

Type 2 – Low-Growing and Hardy Seed Mix (WSAAF Only) at 110 lbs./acre

Botanical Name	Common Name	Variety	% Mix by weight	% Pure Live Seed
Poa compressa	Canada Bluegrass	N/A	18	80
Festuca rubra L. Panicum virgatum L.	Creeping Red Fescue	Spring: Cave in the rock Switchgrass Fall: Jasper	23	78

Festuca ovina	Sheeps Fescue	Azur	23	78
Festuca ovina Var 'Duriusculila'	Hard Fescue	Reliant	23	78
Lotus corniculatus L.	Birds Trefoil	Empire	9	85
Agrotis gigantean Roth	Redtop	N/A	4	83

Provide high magnesium lime application at the rate of 2 tons per acre to push the soil pH to 7.0 neutral territories for turf establishment and stabilize the aluminum toxicity of existing surface soils. Most soils have tested in the high 4s to the low 6s on Fort Drum (source: DPW Environmental). Provide a fertilizer application rate of 600 pounds per acre of 10-10-10 (N- P-K).

Most WSAAF soils have tested poorly with very low to no organic content. Provide organic soil boosters by application of liquid cow or horse manure slurry.

Type 3 – Seed Mix for Ranges

Botanical Name	Common Name	Variety	% Mix by weight	% Pure Live Seed
Poa compressa	Canada Bluegrass	N/A	18	80
Festuca rubra L. Panicum virgatum L.	Creeping Red Fescue	Spring: Cave in the rock Switchgrass Fall: Jasper	23	78
Festuca ovina	Sheeps Fescue	Azur	23	78
Festuca ovina Var 'Duriusculila'	Hard Fescue	Reliant	23	78
Lotus corniculatus L.	Birds Trefoil	Empire	9	85
Agrotis gigantean Roth	Redtop	N/A	4	83

Type 4 – Temporary - All Areas except wetlands

Botanical Name	Common Name	Variety	% Mix by weight	% Pure Live Seed
Lolium perenna	Perennial Ryegrass	Manhattan II	100	88

Seed Purity: Contractor shall provide seed with the following purity

Type	Min % Pure Seed	Min % Germination and Hard Seed	Max % Weed Seed
Type 1 Seed Mix	98	90	2
Type 2 Seed Mix	88	90	12
Type 3 Seed Mix	88	90	12
Type 4 Seed Mix	88	90	12

B. WETLAND SEEDING: The quantity ordered and payment shall be based on the number of square yards of surface restored with site hydric soils and wetland seed.

- i) Excavate wetland areas to finished grade. All material removed from the wetland area may not reenter the wetland and will be either disposed off-site or placed in an approved area on Fort Drum for future government use as directed by the KO.
- ii) Correct irregularities in finish surfaces to eliminate depressions.

- iii) Protect finished wetland areas from damage and siltation form storm water runoff.
- iv) Apply seed by broadcast spreading. Mix seed to ensure broadcasting at a rate of 2.25 pounds per 100 square yards. Lightly roll the seeded area to set seed into the hydric soil. If needed apply a second application perpendicular to the first application.
- v) Do not seed when the ground is frozen, snow covered, or in an unsatisfactory condition.
- vi) Within 24-hours after hydric soil seedbed preparation is complete, coordinate with Fort Drum Environmental wetland program manager to complete a site inspection of the wetland area prior to applying the wetland seed. Correct deficiencies in wetland seedbed preparation. Apply wetland seed within 24-hours after government approval of the seedbed preparation. Application of the wetland seed mix without the government's approval of the wetland seedbed preparation will be at the contractor's own risk.
- vii) Do not spread hydric soil when frozen.
- viii) Wet, moldy, or otherwise damaged seed will be rejected.
- xx) Planting dates/seasons are classified into three categories: Season 1 (Spring), Season 2 (Fall), and Temporary (Summer) and defined as follows:

Seed Planting	Planting Dates
Season 1 (Spring):	15 April to 15 June
Season 2 (Fall):	15 August to 1 October
Temporary (Summer):	16 June to 14 August

Planting Season	Type	Percent (by weight)
Season 1 and Season 2	As specified	As specified
Temporary	As specified	As specified

Replace temporary seeding by Season 1 or Season 2 plantings for a permanent stand of wetland vegetation. Apply temporary seeding at ½ the seasonal planting application rate. Replace temporary seed with the seasonal planting application rate. Temporary seed mixture is the same as the seasonal planting seed mixture.

- xxi) Only State-certified seed of the latest season's crop, provided in original sealed packages bearing the producer's guaranteed analysis for percentages of mixture, purity, germination, hard seed, weed seed content, and inert material will be accepted.

Contractor shall provide seed with mixture weight and purity as follows:

Type – Wetlands

Botanical Name	Common Name	% Mix by Weight
Carex vulpinoidea	Fox Sedge	20
Elymus virginicus	Virginia Wildrye	20
Panicum clandestinum	Deertongue	15
Carex Lupulina	Hop Sedge	12.5
Carex lurida	Lurid Sedge	12.5
Carex scoparia	Blunt Broom Sedge	11.5
Juncus effusus	Soft Rush	3
Carex stipata	Awl Sedge	2

Leersia oryzoides	Rice Cutgrass	2
Carex crinita	Fringed Sedge	1
Scirpus cyperinus	Woolgrass	0.5

Seed Purity: Contractor shall provide seed with the following purity

Type	Min % Pure Seed
Wetland	98

C. GRAVEL: The quantity ordered and payment shall be based on the number of square yards of surface area restored with gravel to a depth of 12 inches. The existing gravel areas shall be excavated a minimum of 5 feet beyond the outermost edge of the affected/damaged area to a depth of 12 inches. Subgrade soil shall be compacted to 95% modified proctor to a depth of 6 inches. Contractor shall install 12 inches of NYSDOT Type 2 stone (NYSDOT Item 304.12) in two (2) 6-inch lifts compacted to 95% modified proctor.

- e) **SPECIFICATIONS:** The Contractor shall comply with the technical requirements of the NYSDOT Standard as well as technical requirements specified in the SOW. Where conflicts exist between the NYSDOT Standard Specifications and this SOW, the contract SOW shall prevail. NYSDOT Standard Specifications may be obtained at the following: <https://www.dot.ny.gov/main/business-center/engineering/specifications/busi-e-standards-usc>.
- f) **CONSTRUCTION MATERIAL & TEST SUBMITTALS:** Submittals shall be provided as specified herein. Failure to furnish submittals could result in a work stoppage and in addition, materials furnished and/or installed not meeting the specifications may be rejected by the KO or Construction Representative (CONREP). The Contractor shall submit to the Government for review the following construction submittals at the specified frequency:

Submittal	Frequency
Select Granular Fill Sand Backfill Aggregate Base Course Geosynthetics <ul style="list-style-type: none"> - Soil Stabilization Fabric - Geogrids Hot Mix Asphalt Materials <ul style="list-style-type: none"> - Base Course - Binder Course - Top Course - Shim Course - Truing & Leveling Course - Tack Coat - MMTD Pavement Marking Materials <ul style="list-style-type: none"> - Paints - Reflective Beads Topsoil & Seed <ul style="list-style-type: none"> - Topsoil - Seed Mix - Wetland Seed Mix 	30 days after contract award Annually Within 10-days of a change of Material or Supplier
Compaction Test Results Asphalt Density Testing Results	No later than 5-days after completion of field test

- g) **CONSTRUCTION APPROVAL SUBMITTALS:** To implement the requirements in clause 52.236-5, titled "Material and Workmanship", the Contractor shall submit ENG Form 4025-R "Transmittal of Shop Drawings, Equipment Data, Material Samples, or Manufacturer's Certifications" to the KO or designated Government representative. Unless otherwise specified all data submittals shall be submitted electronically (hard copies only upon request). Work associated with the items being submitted will not begin until approval is received from DPW. The required ENG Form 4025-R is available to download at: <https://www.publications.usace.army.mil/USACE-Publications/Engineer-Forms/>
- h) **MAINTENANCE AND PROTECTION OF TRAFFIC:** The Contractor is responsible for providing and implementing maintenance and protection of traffic (MPT). MPT shall be in accordance with the Manual for Uniform Traffic Control Devices (latest edition), the NYSDOT MUTD Supplement and NYSDOT standards.
- i) **FINAL INSPECTION:** Upon the completion of each task order the Contractor shall notify the KO and DPW via email ten (10) working days in advance of the request to schedule a final inspection. Prior to a request for final inspection, the Contractor's Quality Control (QC) representative shall conduct their own inspection and ensure all deficiencies are corrected. The Contractor's QC representative shall provide a copy of the QC inspection report to the Government's inspector with a copy of the status of deficiency correction. The Government reserves the right to approve or disapprove the request for a final inspection based on project deficiency items.

Mission and Installation Contracting Command (MICC), DPW, the customer, and other personnel as necessary (e.g., Fire Department, Safety, NEC, MEDDAC, Physical Security, and Environmental personnel) will jointly conduct the final inspection with the Contractor. The Contractor shall correct any noted discrepancies/punch list items discovered at the final inspection prior to the task order completion date listed on the task order and final acceptance by the Government. The Government shall not ask for a correction or rework of an item if the work was not required by the SOW or a regulation or requirement incorporated within the task order or contract. The KO or their authorized representative may schedule more than one final inspection, if determined necessary. Prior to the final inspection date, the Contractor shall submit the final record drawings, as built drawings, DD Form 1354 documents, and warranty information to the CONREP for review and approval.

- 2) **PROTECTION AND RESTORATION OF AREAS ADJACENT TO WORK AREAS:** During work operations, the Contractor shall protect all designated existing work sites and grounds with the proper barricades (including barricades with flashing safety lights at night where appropriate), signs, flagging and/or other acceptable safety control/protective devices. All existing sites, structures or facilities to include access roads, vegetation, and utilities, adjacent to the project work area that become disturbed or damaged by the Contractor's operations, other than those designated to be demolished, shall be repaired, replaced, and/or restored by the Contractor at no additional cost to the Government. The work shall be performed in an approved workmanlike manner and shall be acceptable to the KO.
- 3) **CLARIFICATION OF WORK:** Prior to commencing work, it shall be the responsibility of the contractor to visit the site of work, survey the existing conditions and verify all portions of the work to be done. The Contractor shall arrange their work to prevent inconveniences or stoppage to operations and will appraise itself of working conditions and any inefficiency expected to be encountered during the contract work. Failure of the contractor to inspect the site of work prior to commencing work shall in no way relieve it of the responsibility to perform all of the work required.
- 4) **DISPOSITION OF MATERIALS:** All materials which are not reused shall be classified as unsalvageable material. Unsalvageable material shall be identified as non-recoverable or recyclable and segregated on site. Non-recoverable material shall be removed from the site by the Contractor and disposed of off-post at a permitted facility in accordance with local, state and federal laws and regulations. Recoverable materials shall be diverted from disposal through recycling or re-use in accordance with federal and state law and regulation. Weights in pounds or tons for disposal and recycle shall be forwarded to the Public Works Environmental

Division, with a courtesy copy to the applicable DPW Project Manager/CONREP, at the completion of work. In case of a conflict among these laws and regulations, the most stringent law or regulation shall apply.

- 5) **SCHEDULE OF OPERATIONS:** The Contractor shall submit a schedule of proposed operations to the KO and CONREP for approval within 10 days of issuance of the task order. Such schedule shall be subject to change so that the Contractor's work does not conflict with or otherwise disrupt normal operations of the Government.
- 6) **NORMAL WORKING HOURS:** Normal working hours are 0730 to 1600 hours Monday through Friday excluding holidays. All work shall be performed during these hours unless otherwise approved by the KO. The Contractor may be required to reimburse the Government for the cost of inspecting work performed outside of normal working hours.
- 7) **CLEAN-UP:** The Contractor shall clean up and containerize all debris and discarded materials resulting from their operations at the end of each workday. The Contractor shall ensure that debris collection containers are closed and secured at the end of each workday. The Contractor shall institute measures for the daily prevention of blow-away litter and debris from the worksite. Open burning of scrap or unsalvageable material is forbidden.
- 8) **PROJECT ACCESS:** The Contractor shall maintain access to the job site at all times under all normal seasonal weather conditions, at no additional cost to the Government.
- 9) **INSTALLATION ACCESS, CONTROL AND SECURITY:**
 - a. **ANTI-TERRORISM (AT) LEVEL I TRAINING:** All contractor employees, to include subcontractor employees, requiring access to Army installations, facilities and controlled access areas shall complete AT Level I awareness training within 30 calendar days after contract start date. The contractor shall submit certificates of completion for each affected contractor employee and subcontractor employee, to the CONREP and KO within 30 calendar days after completion of training by all employees and subcontractor personnel. AT Level I awareness training is available at the following website: <https://jkodirect.jten.mil>
 - b. **ACCESS AND GENERAL PROTECTION/SECURITY POLICY AND PROCEDURES:**
 - i) Entry to the installation requires the following: current vehicle registration, proof of insurance, valid driver's license for the vehicle driver, and picture identification for other personnel. Contractors/Subcontractors and their employees requiring access to the installation will be required to comply with the installation access control policy/procedures. The Government will not be responsible for damages due to delay/stoppages caused by failure to comply. Contractors shall be restricted to physically sign in at the Visitor Control Center (VCC), located just prior to the Paul Cerjan Gate, for entry unless they have a DoD issued ID card, a local temporary pass, or a local access badge (LAB). The contractor shall also provide all information required for background checks to meet installation access requirements to be accomplished by Director of Emergency Services or Security Office. Contractor workforce must comply with all personal identity verification requirements as directed by DOD, HQDA and/or local policy. In addition to the changes otherwise authorized by the changes clause of this contract, should the Force Protection Condition (FPCON) at any individual facility or installation change, the Government may require changes in contractor security matters or processes.
 - ii) The Contractor shall provide a list of names and dates of birth of all employees that will be working on this contract to include subcontractors. The contractor shall complete an IMDR-ES Form 2 (Application for Sponsorship) for all individuals needing access under the contract and submit to usarmy.drum.imcom.mbx.des-acp@army.mil at least 7 days prior to access being needed.
 - iii) Each employee who requires access to Fort Drum to perform work under any contract, at any tier, must obtain a DoD identification credential, temporary pass, or a LAB to obtain access to Fort Drum.
 - iv) The contractor shall provide information as required by the Fort Drum Chief, Physical Security to enable the government to conduct a National Crime Information Center Interstate Identification Index (NCIC-III) check on all on all contractor employees who require access to Fort Drum. If the NCIC-III is not adverse, a 30-day temporary access pass will be prepared by the Fort Drum Physical Security Division while the contractor's employee makes an appointment for a Local Access Badge (LAB) to be created if access is needed for longer than 30 days. A LAB will be issued for the duration of the contract or a period of no longer than 365 days at a time. If the NCIC-III is adverse, the employee will

be denied access. If access is denied for any reason, the contractor's employee may request a waiver from the installation utilizing the Access Waiver Denial Program. If a Contractor or contractor's employee is denied access for any reason the employee will not be allowed access until a waiver is requested and approved. There is an appeals process through the Directorate of Emergency Services. Final determination to allow entry and the issuance of a DoD credentials rest with the Garrison Commander or his designee, the Director, Emergency Services.

- v) If an employee no longer needs the DoD identification credential for any reason (e.g., quits his/her job or no longer performs under the contract), the contractor is required to collect the DoD identification credential from the employee and surrender it to the Fort Drum Physical Security Division within four (4) calendar days of such change. If the DoD identification credential cannot be returned within the required time frame for any reason, the contractor shall immediately notify the Physical Security Division verbally, followed up in writing the next workday. Email notification is authorized. An employee's inability to obtain entrance to a Government installation because he/she does not have the required identification badge or visitor's pass shall not excuse timely performance of the requirements of this contract. DoD identification credentials are currently issued at the VCC, building 11008, located just outside the Paul Cerjan Gate. The Government may change the location at which DoD identification credential are issued or returned, with or without advance notice to the contractor. Any such changes shall not be a basis for adjusting the contract price under any clause of this contract.
- vi) DoD identification credential will not be reproduced or copied by the contractor, its subcontractors, or their employees. If an employee's DoD identification credential is lost, stolen, or reproduced, the contractor shall verbally report the loss, theft, or reproduction to the Fort Drum Physical Security Division on the day such loss, theft, or reproduction is discovered, followed by a written report of the circumstances to the Fort Drum Physical Security Division within two (2) calendar days.
- vii) Each contractor employee shall possess/wear the DoD identification credential while performing work under the contract. The DoD identification credential shall be worn on the upper front of the outer garment unless precluded by OSHA regulation(s). The DoD identification credential will not be used for access to any Government installation except for performance of work under the contract for which it was issued. The contractor, shall upon expiration or termination of the contract, collect all DoD identification credentials and turn them into the CONREP.

c. SEARCH AND CONTROL: Fort Drum is a controlled access post. All vehicles and personnel are subject to search and seizure of contraband and/or unauthorized Government property. Contractor vehicles (Contractor-owned and personal), Contractor employees, and their personal property shall be subject to searches and seizure of contraband and/or unauthorized Government property upon entering or leaving the installation. The search and seizure provisions of AR 190-16 shall apply to Contractor personnel entering or leaving Fort Drum.

d. SECURITY BADGES: Contractor personnel shall wear a DoD issued Contractor ID badge readily identifying the individual as a Contractor employee. The badge shall be worn in a conspicuous place at all times when performing work under the contract.

e. RANGE ACCESS: If work is to be performed on a range, the Range Control office will issue a "range pass" for Contractor and Contractor employee vehicles, allowing access to the range areas on Fort Drum. The range pass will be shown to any proper military or civilian authority, if requested.

f. iWATCH: Each contractor employee shall possess/wear the DoD identification credential while performing work under the contract. The DoD identification credential shall be worn on the upper front of the outer garment unless precluded by OSHA regulation(s). The DoD identification credential will not be used for access to any Government installation except for performance of work under the contract for which it was issued. The contractor, shall upon expiration or termination of the contract, collect all DoD identification credentials and turn them into the CONREP.

g. THEAT AWARENESS REPORTING PROGRAM (TARP) All contractor employees, to include subcontractor employees, requiring access to Army installations, facilities and controlled access areas shall complete TARP awareness training within 30 calendar days after contract start date. The contractor shall submit proper documentation identifying training completion for each affected contractor employee and subcontractor employee, to the CONREP and the KO, within 30 calendar days after completion of training by all employees and subcontractor personnel. TARP training is available on AKO (ALMS), at the Multipurpose Auditorium (MPA) Garrison quarterly mandatory training, or by contacting the G2X at 315-772- 5693 or via email usarmy.drum.imcom-atlantic.mbx@mail.mil

- 10) OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION):** All work and materials called for in the specifications and drawings will conform to the applicable OSHA Standards.
- 11) RULES OF SAFETY:** All rules of safety, which are or may be imposed upon the Contractor by Federal, State or Municipal code, and the applicable Fort Drum regulations, shall be effectively carried out in the performance of this contract. In the event of an incident that involves damage to Contractor or Army property, or which results in injury or illness to Contractor employee or Government personnel, the Contractor shall:
- a. Immediately inform the DPW CONREP, KO, and the Command Safety Office (772-5352) by telephone or e-mail, but not later than 12 hours after occurrence.
 - b. Provide details of the accident in writing to the KO and the Command Safety Office within 24 hours.
 - c. Furnish a completed DA Form 285, Report of Army Accident, to the KO/CONREP within seven calendar days. The KO shall forward the report to the Command Safety Office.
 - d. Call the Fort Drum 911 Communications Center for emergency assistance at 911 on a Fort Drum phone, or the Provost Marshal Office (PMO) at *766 on a 315 area code cell phone; or call (315) 772-5156 or (315) 772-5157 for Police Assistance, or (315) 772-4131/9687 for Fire Assistance, or (315) 772-5236 Medical Assistance.
- 12) SPECIAL SAFETY PRECAUTIONS FOR AIRFIELD WORK:** When work is ordered on the airfield, the following additional requirements shall apply (NOTE: It is imperative that these requirements be rigidly adhered to and that complete cooperation be given to the Airfield Traffic Controllers in order to ensure the safety of all personnel on or near the Airfield):
- a. All areas undergoing repair shall be barricaded against aircraft traffic during the time of construction. Barricades shall be of sufficient weight to prevent them from becoming airborne. Barricades shall be placed across pavement width on both ends of taxiway and runway areas undergoing repair or as directed by the KO. Barricades shall be the collapsible type with flashing safety lights and alternating colored bands of orange and white stripes. Barricades shall be constructed to be clearly visible for at least 100 yards. Acceptability of barricades with regard to visibility and type of construction shall be determined by the DPW CONREP with approval of the Airfield Facilities Manager.
 - b. All motor vehicles and equipment used by the Contractor shall have flashing lights functioning at all times when on the airfield.
 - c. **The Contractor shall maintain constant radio contact with Airfield Control Tower and shall observe proper radio procedures** when operating within radio-controlled areas of the airfield. The Contractor shall provide a radio for itself, as well as its traffic manager's use. Radios shall operate on a tower ground frequency to be provided to the Contractor at the time of award.
 - d. The Contractor shall be prepared to respond immediately to any directives from the Airfield Control Tower. The Air Traffic Controller shall have the authority to direct the Contractor to remove personnel, vehicles, and equipment from the work area. If directed by the Air Traffic Controller, the Contractor shall remove all personnel, vehicles, and equipment to a point beyond 500 feet from centerline of the runway or taxiway within a period of time not to exceed five minutes and shall remain beyond that limit until such time as clearance to return is given by the Control Tower. The Contractor shall be familiar with and shall adhere to light signals from the tower.
 - e. Debris and waste material resulting from construction shall be removed daily. Debris deposited on any active portion of the airfield shall be removed continuously during course of work. Runway, taxiways, and aprons shall be swept clean of all debris prior to being turned over to the Government for use by aircraft.
 - f. The Contractor shall attend a coordination/safety meeting at the airfield operations center, Building P-2065, prior to the start of any work for each awarded task order. This meeting shall be conducted by airfield personnel. The meeting will explain airfield safety requirements. Also, work to be done by the Contractor will be coordinated so as not to interfere with ongoing or scheduled aviation activity.
- 13) UTILITIES:** Use of utilities at the worksite to perform work will be allowed at no charge when utilities are

available at the worksite location. A backflow preventer must be used to draw water from fire hydrants. The backflow preventer must be inspected and certified by DPW Utilities and Roads & Grounds shop. Before using a hydrant, the Contractor must also notify Fort Drum Fire Department to which hydrant will be used.

- 14) EXCAVATION PERMIT:** Following the Notice to Proceed and prior to any mobilization, construction or excavation, the Contractor shall submit an Excavation Permit application electronically at <https://mapsrus.drum.army.mil/wepa.html> via Government designated computer, unless otherwise specified. All Excavation Permit applications shall be submitted/processed in accordance with Attachment 5 (Fort Drum Excavation Permit Policy). The Fort Drum Excavation Permit Policy is subject to change and any updates will be incorporated as needed. The locations of underground utilities as shown on available utility drawings are merely a guide and may not be completely accurate. The Contractor shall detect, locate and mark locations of all water, sewer, electrical, gas and other underground utilities not located by the agencies listed on the Permit form. The Contractor shall provide written certification the utilities have been located and marked prior to approval of the Permit. It shall be the Contractor's responsibility to protect all utilities that lie in areas where excavation is required by hand digging or other measures as necessary. All costs for repair and temporary utilities required due to disruption of service shall be borne by the Contractor.
- 15) MATERIALS USED:** Unless otherwise specified, all materials used for this contract shall be new and unused. In all instances where a product containing non-hazardous components can be substituted for a product with hazardous components, the Contractor shall use the product containing the non-hazardous components. The Contractor shall provide Material Safety Data Sheets to the Emergency Planning and Community Right-to-Know Act Manager at Fort Drum DPW, Environmental Division upon request.
- 16) TESTING ORGANIZATION LABELS:** The Contractor may submit, in lieu of any testing organization label required by these specifications (i.e., Underwriters Laboratories Foundation for Cross-Connection Control and Hydraulic Research, or AMCA), a written certification from any nationally recognized testing agency, adequately equipped and competent to perform such services that the item required to be labeled has been tested and conforms to the standard, including the methods of test, of the appropriate testing organizations listed in these specifications.
- 17) RADIATION TESTING:**
- A. 32 CFR Part 655 requires Army radiation permit, DA Form 3337, for use, storage, and possession of radiation sources by civilian contractors on Army installations. Approval of the Fort Drum Installation Commander is required to obtain an Army radiation permit. Contractors requiring a radiation permit must have the permit prior to the start of work. The required DA Form 3337 is available to download at: https://armypubs.army.mil/ProductMaps/PubForm/Details.aspx?PUB_ID=1736
- B. Applicants shall apply for the permit by letter and must submit the supporting documentation required by 32 CFR Part 655 §655.10(c). Additionally, the applicant must provide the following information:
1. Start and stop dates for the Army radiation permit
 2. Description of purposes for which the applicant needs the Army radiation permit
 3. Name and training of the person(s) operating equipment/device that is a radiation source
 4. Name and training of the Contractor's Radiation Protection Officer
 5. Storage procedure for storing equipment/device that is a radiation source during lunch hour or breaks
 6. Manufacturer, model and serial numbers of equipment/device that is a radiation source
 7. The latest leak test results, isotopes and activity for each device or piece of equipment that is a radiation source
- C. Applicants must submit their application at least 30 calendar days before the requested start date of the permit. Applications are submitted to the Command Safety Office (315-772-5352). The Safety Office assists the Installation Commander with the processing, review and approval of applications. Prior to the issuance of the letter of approval all non-Army agencies must possess one of the following:

1. A valid Nuclear Regulatory Commission (NRC) License or Department of Energy (DOE) radiological work permit that allows the applicant to use the source as specified in the Army radiation permit application;
2. A valid New York State Agreement/License that allows the applicant to use radioactive material as specified in the Army radiation permit application; or
3. For naturally occurring or accelerator produced radioactive material and machine-produced ionizing radiation sources, the applicant has an appropriate State authorization that allows the applicant to use the source as specified in the Army radiation permit application or has in place a radiation safety program that complies with Army regulations.

D. When all documentation and safety requirements are met, a letter of approval is issued to the permit applicant. The letter of approval will have a start and end date, and not extend more than 180 days from the start date of the contract. Extensions beyond the 180-day limit may be granted on a case-by-case basis. Extensions may not exceed 180 days beyond the extension issue date.

E. Non-Army radioactive materials are not authorized overnight storage on Fort Drum. All Army radiation permits will require applicants to remove all permitted sources from Army property by the end of the permitted time. Disposal of radioactive materials by non-Army agencies on Army property is prohibited. All disposals shall be done IAW all state, local, and federal regulations.

18) CONTRACTOR'S REPRESENTATIVE: A competent foreman or superintendent, with authority to act on behalf of the Contractor, must be present at the job site at all times when work is in progress. The name of the foreman or superintendent shall be furnished in writing to the KO and the CONREP. If the foreman or superintendent is changed during the life of the Contract, the KO and CONREP shall be notified immediately.

19) CONTRACTOR PERSONNEL:

A. The Contractor is responsible for selecting qualified personnel to supervise its work and inform its employees of all improvements, changes and methods of operations related to contract performance. Additionally:

1. All personnel employed by the Contractor or any representative of the Contractor entering the Government Installation shall conform to all security or force protection regulations, which may be in effect during the contract period and shall be subject to such checks as may be deemed necessary to assure that no violations occur. No employee or representative will be permitted on the installation when such check reveals that his or her presence would be detrimental to the physical or operational security of the installation.

2. Contractor employees shall be appropriately dressed, including individual protective clothing and equipment, for the work to be done. The Contractor shall not allow any employee possessing, or under the influence of, alcohol or controlled substances onto the installation or to perform work. Government rules, regulations, laws and directives in place or issued during the term of the contract shall apply to all Contractor employees or representatives who enter the installation or who travel using Government transportation. Violation of such rules, regulations, laws or directives shall be grounds for removal (permanently or temporarily, as the Government determines) from the work site. Individuals who violate such rules, regulations, laws or directives may be denied access to the installation, either temporarily or permanently.

B. Relationship between Government, Contractor, and Contractor Personnel: The services to be delivered by the Contractor to the Government are non-personal services, and no employer-employee or master-servant relationship exists nor will any exist under the contract between the Government, Government Personnel or Contractor. Contractor personnel shall be responsible not to the Government, but solely to the Contractor, who shall be accountable to the Government. The services to be performed under this contract shall not require the Contractor or his employees to exercise personal judgment and discretion on behalf of the Government. Contractor personnel shall act and exercise personal judgment and discretion on behalf of the Contractor.

C. While on the installation the Contractor's employees shall be subject to the same general rules of conduct that apply to Government civilian employees. The Government reserves the right to refuse installation access to any Contractor employee if it is determined to be in the best interest of the Government. The Contractor will be required to respond within two working days from the time contacted by the KO or CONREP regarding conduct of a contractor employee.

- 20) MINIMUM INSURANCE REQUIREMENT:** A current certificate showing the following minimum amount of insurance is required to be submitted prior to beginning work on a government installation.

TYPE	DESCRIPTION	AMOUNT
I	NYS Workmen's Compensation	As required by NYS law
II	Employer's Liability	\$100,000 if occupational diseases are not included in the State's Worker's Compensation Coverage
III	General Liability for Bodily Injury	\$500,000 per occurrence
IV	Automobile Liability	\$200,000 per occurrence
	Bodily Injury	\$500,000 per occurrence
	Property Damage	\$20,000 per occurrence

This certificate shall include a 30-day cancellation notice to the Government.

21) EXCLUSION OF PERIODS IN COMPUTING COMPLETION SCHEDULE:

A. Exclusionary Period. No work will be required or permitted during the period between 01 November and 30 April (inclusive) of each calendar year throughout the contract; such period of time shall not be considered when computing the time allowed for completion. This does not apply to work necessary for clearing and grubbing when ordered.

B. Exception. The KO may allow the Contractor to perform physical construction work during all or any part of this exclusionary period if the KO determines that the weather requirements of the contract are met (if any) and that the weather conditions will not negatively affect the quality of work. The Contractor must make a written request to, and receive the written approval from, the KO prior to the performance of any work during the exclusionary period. If the Contractor's request to perform work during the exclusionary period is approved, the period of work performed during the exclusionary period will be considered in computing the time allowed for completion of the task order.

- 22) SCHEDULE FOR COMPLETION OF TASK ORDERS:** Completion dates will be established on each individual task order.

23) GOVERNMENT CONSTRUCTION REPRESENTATIVES AND THEIR AUTHORITY:

A. The Contractor shall not accept any instructions (oral or written) of any person other than the KO, or the CONREP acting within the limits of the authority granted by the KO. No information other than that contained in any modification to the Contract or task order, issued by the KO, shall be considered as grounds for deviation from any term or condition of the contract/task order.

B. The KO will identify an individual who shall act as the CONREP in the Notice to Proceed. Any changes in personnel will be identified to the Contractor by letter. The CONREP will represent the KO in technical inspections of the contract but shall not be authorized to change any term or condition of the contract.

24) ENVIRONMENTAL REGULATIONS:

A. The Contractor shall comply with all Federal, State, and local regulations covering environmental protection. In case of a conflict among these laws and regulations, the most stringent law or regulation shall apply. If a Federal, State, or regulatory agency assesses any fine, penalty, or fee against the Government that is attributable to Contractor noncompliance with any environmental law or regulation, the Contractor shall indemnify the Government for the amount of the fine and other Government costs attributable to the violation (e.g., the cost of cleaning up a hazardous waste spill). In the event of Contractor noncompliance with any applicable environmental law or regulation, the KO will determine whether the Government or the Contractor is responsible for abating or correcting the violation. This provision is not intended in any way to waive the Government's rights under any other provision of this contract. The Contractor shall fully comply with current and future Fort Drum regulations, plans and changes.

B. If this Contract results in generation of hazardous materials/waste, the Contractor shall comply with the Fort Drum Hazardous Waste Management Plan (HWMP) regarding the use, storage and disposal of generated hazardous wastes. The Contractor shall properly manifest and dispose of all hazardous waste generated in accordance with New York State Department of Environmental Conservation (NYSDEC) laws and regulations.

C. Fort Drum has implemented an Environmental Management System (EMS) to proactively deal with the environmental impacts of its processes, activities, and services. Fort Drum uses ISO 14001:2004 as the standard for its EMS. All personnel performing work for or on behalf of Fort Drum must be aware of and understand Fort Drum's Environmental Policy. Fort Drum offers EMS General Awareness Training in the form of a printed Handout. All Contractors and their employees are required to receive EMS General Awareness Training. Contractors must post EMS handouts in the workplace and make them available to all employees. Contractors are also responsible for ensuring that all subcontractors performing work on this contract receive EMS General Awareness Training handouts and that they are posted at the subcontractor's workplace. The Contractor is also responsible for ensuring that all goods and services used by the Contractor or its subcontractors do not deviate from the Fort Drum Installation Environmental Policy and EMS.

D. Environmental Awareness Information can be accessed at:
<http://www.drum.army.mil/sites/directorates/pwpol.pdf>

25) FIRE PROTECTION AND PREVENTION: The fire safety procedures defined and codified in the most recent addition of NFPA 241 shall be considered mandatory and enforceable throughout the term of this Contract. The Fort Drum Fire Department represented by the Fire Prevention Office, 1585 Ontario Avenue, Telephone No. (315) 772-4702, shall be considered the "authority having jurisdiction" with regard to fire safety, however, all changes to or direction of work must still be authorized by the KO.

26) GENERIC SITE SAFETY AND HEALTH PLAN: This Plan shall be submitted within 30 days after contract award to the KO for Government review and approval.

27) CONTRACTOR QUALITY CONTROL (CQC) PLAN: The CQC Plan shall be submitted within 30 days after contract award to the KO for Government review and acceptance.

- a) The Contractor shall notify the DPW Engineering CONREP/Project Manager a minimum of two (2) business days in advance of QC acceptance testing. This notification affords the Government an opportunity to witness the QC acceptance testing as required per the Government's specifications.
- b) Daily QC Report format shall be created by the Contractor and submitted to the Government within 30 days after contract award for review and comment. This format of the QC Report shall be mutually agreed upon and approved by the Government. It shall include, but not limited to; weather condition, surface/ambient temperature, equipment, personnel on site, areas/quantities completed, QC testing, etc. Daily QC reports will be in electronic PDF fill in format and sent to the CONREP/Project Manager by 1000 hours on the first business day following the day work is performed.

28) ENVIRONMENTAL PROTECTION PLAN (EPP): The Contractor shall prepare and implement an effective environmental protection program, including a generic EPP. The EPP shall be written to cover all

aspects of environmental protection for the contract. The EPP shall be submitted to the KO for review and approval within 30 days after contract award for Government review and approval. Approval of the Contractor's plan will not relieve the Contractor of responsibility for adequate and continuing control of pollutants and other environmental protection measures.

29) CONSTRUCTION, DEMOLITION AND DEBRIS WASTE MANAGEMENT PLAN: IAW with Specification Section 01 74 19, Construction Waste Management, prior to initiation of site preparation work, a Waste Management Plan shall be submitted to the KO for Government review and approval within 30 days after award.

30) CONTRACT ADMINISTRATION: After award, the Fort Drum, Contracting Office, will administer the contract. The Contractor shall, after receipt of the contract, direct all questions concerning the contract to:

925th CBN & MICC Fort Drum
4205 Po Valley Road
Fort Drum, NY 13602-5220

IMPORTANT NOTICE: The Contractor shall not accept any instructions issued by any person other than the KO or his/her authorized representative acting within the limits of his/her authority. No information other than that which may be contained in any authorized amendment to this solicitation or any authorized modification to any resulting contract issued by the KO, which may be received from any person employed by the U.S. Government or otherwise, shall be considered as grounds for deviation from any provisions, conditions or other terms of these documents.

31) REQUIRED SUBMITTALS:

Submittal	Date Due
Construction Materials	30 days after contract award
Compaction & Density Test Results	5 days after field test
AT Level I Training	60 days after contract award
TARP Training	60 days after contract award
Insurance Certificate	30 days after contract award
Generic Site Safety & Health Plan	30 days after contract award
Contractor Quality Control Plan	30 days after contract award
Daily Quality Control Report Format	30 days after contract award
Environmental Protection Plan	30 days after contract award
Waste Management Plan	30 days after contract award