

Project Name: Para-rescue Parking Lot

Project #: WKVB222301

23 April 2026

NY Air National Guard

106th Rescue Wing

Francis S. Gabreski Air National Guard Base (ANGB)

150 Old Riverhead Road

Westhampton Beach, N.Y. 11978-1201

1.1 GENERAL SCOPE OF WORK: The Contractor shall provide all engineering, supervision, labor, parts, equipment, tools, and supplies required to construct a new parking lot in front of building 424 at Gabreski Airport. Contractor shall perform all work in compliance with all highest standards, rules, codes, regulations, guidance and laws having any relevance to the scope of the project.

1.2 PERIOD OF PERFORMANCE: The period of performance for this project is 90 days from when the government provides Notice to Proceed (NTP).

1.3 CONTRACTOR REQUIREMENTS:

1.3.1 Qualifications: The Contractor awarded this project shall have a supervisor and/or foreman qualified and experienced in all project tasks required by this SOW. The supervisor and/or foreman will be on site at all times to oversee and supervise qualified experienced technicians in all phases of work. The Contractor shall submit similar project and personnel qualifications in writing to the Contracting Officer (KO) for review and approval. If more than one supervisor/ foreman is required for various phases or if the supervisor/foreman is to be replaced, the Contractor shall provide the necessary documentation for EACH supervisor/foreman required.

1.3.2 Contractor Installation Access: The contractor shall comply with all applicable installation/facility access and local security policies and procedures, which may be obtained from the Contracting Officer's Representative (COR). The contractor shall also provide all information required for background checks to meet installation access requirements to be accomplished by the local installation's Security Forces, Director of Emergency Services, or local Security Office. The contractor shall ensure compliance with all personal identity verification requirements as directed by

DoD, Headquarters Air Force (HAF) and/or local policy. Should the Force Protection Condition (FPCON) change, the Government may require changes in contractor security matters or processes.

- 1.3.3** Construction hours for the installation are from 0730 – 1700 hours (7:30 am – 5:00 pm), Monday through Friday. Any request for a deviation from these posted work hours needs to be submitted, in writing, to the KO at least two weeks before the requested schedule change. Any requests for changing the working hours is purely at the convenience of the Government and rejected requests do not exonerate the Contractor from the contract requirements.
- 1.3.4** All Contractor employees and Subcontractors need to be submitted on a “Contractor Request” form that will be provided by the COR. Forms shall be submitted no later than 72 hours prior to requiring entry to the installation. Any individuals who need access for more than 5 days shall also register through the Defense Biometric Identification System (DBIDS) website through the following link to request entry to the installation: <https://dbids-global-enroll.dmdc.mil/preenrollui/>
- Once completed, Contractor and Subcontractor employees will receive a confirmation screen with a QR code and/or barcode. This needs to be printed or saved to a mobile device and can be presented at the gate for entry. Any individuals who need access for 60 days or more may request a Contractor Badge.
- 1.3.5** Unscheduled gate closures by the Security Forces may occur at any time causing all personnel entering or exiting a closed installation to experience a delay. This cannot be predicted or prevented. The Contractor is responsible for requesting compensation for any lost time through the KO for approval. Vehicles operated by contractor personnel are subject to search pursuant to applicable regulations. Any moving violation of any applicable motor vehicle regulation may result in the termination of the contractor employee’s installation driving privileges.
- 1.3.6** The contractor’s employees shall become familiar with and obey the regulations of the installation, including fire, traffic, safety and security regulations while on the installation. Contractor employees should only enter restricted areas when required to do so and only upon prior approval. All contractor employees shall carry proper identification with them at all times and shall be subject to such checks as may be deemed necessary. The

contractor shall ensure compliance with all regulations and orders of the installation, which may affect performance. The Government reserves the right to direct the removal of an employee from Government property or revoke access to Government systems for misconduct, security reasons, or any overt evidence of communicable disease. Removal of contractor employees for reasons stated above does not relieve the Contractor from responsibility for total performance of this contract.

1.3.7 The Contractor is responsible for ensuring proper documentation is received for personnel passes in time to avoid any delay in project start of performance. Any additional time required for obtaining badges and passes as required for access to the installation will not necessarily be grounds for additional time granted to complete the project, if passes are delayed due to Contractor actions. All traffic will enter through the Main Gate. The Government reserves the right to deny access to any person, with no consequence to the contract. All contractor personnel shall prominently display the visitor's badge at all times while on the installation.

1.3.8 All vehicles entering the installation must have a valid registration in the respective state of registration, proof of insurance, safety inspection, and car rental agreement, if applicable.

1.3.9 Recognized Holidays: The following are recognized United States (US) holidays as published under 5 U.S. Code § 6103. The contractor shall not perform services on these days without explicit written approval from the KO:

New Year's Day
Martin Luther King, Jr.'s Birthday
Washington's Birthday (President's Day)
Memorial Day
Juneteenth National Independence Day
Independence Day
Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day
Christmas Day

1.3.10 Physical Security & OPSEC: The contractor shall safeguard all Government property on and around the work site. At the close of each work period, ensure that Government and Contractor property is secured. The Government is not responsible for lost or missing items resulting from Contractor failure to secure materials. The contractor shall safeguard all Government information and prevent the unauthorized release of protected information. The Contractor will be responsible for failing to protect sensitive information obtained or released because of data mismanagement.

1.4 Project Supervision: The Contractor shall have at least one qualified Project Superintendent capable of reading, writing, and conversing fluently in the English language, on the work site at all times during the performance of contract work. In addition, a QC and Safety representative must also be fluent in English and on the work site at all times during work. The KO can remove any supervisor at any time during the project if the Government determines him or her unfit for duty, at no expense to the Government. The KO may authorize an individual to serve in more than one capacity but may rescind that authorization at any time, at no expense to the Government.

1.4.1 Project Superintendent Qualifications: The Contractor shall submit qualifications, in resume format, of the proposed Project Superintendent and any alternates for Government approval. The Project Superintendent is primarily responsible for managing and coordinating day-to-day production and schedule control on the project. The superintendent is required to attend all project-related meetings as directed by the KO. If more than one superintendent is required for various phases, the Contractor must submit qualifications for each proposed superintendent. The individual(s) must be capable of interpreting schedules and construction drawings. The KO may request proof of qualifications at any time if the performance of a superintendent is in question.

1.4.2 Quality Control Systems Manager: The Contractor shall submit qualifications, in resume format, of the proposed QC System Manager and any alternates for Government approval. The QC System Manager is primarily responsible for the CQC program and ensuring finished products meet the contract specifications. The QC System Manager is required to attend all project-related meetings as directed by the KO. The KO may request proof of qualifications at any time if the performance of a QC System Manager is in question.

1.4.3 Safety and Health Manager: The Contractor shall submit qualifications, in resume format, of the proposed Safety and Health Manager and any alternates for Government approval. The Safety and Health Manager is primarily responsible for ensuring that the Contractor and all subcontractors are in compliance with all applicable safety and health regulations. The Safety and Health Manager is required to attend all project-related meetings as directed by the KO. The KO may request proof of qualifications at any time if the performance of a Safety and Health Manager is in question.

1.5 Quality Control: The Contractor shall establish and maintain an effective QC program that consists of plans, procedures, and organization necessary to identify, prevent, and ensure non-recurrence of defective work. The QC system covers all construction operations, both onsite and offsite, and be keyed to the proposed construction sequence. The Project Superintendent will be held responsible for the quality of work and is subject to removal by the Contracting Officer for non-compliance with the quality requirements specified in the contract. In this context, the highest-level manager responsible for the overall construction activities at the work site, including quality and production is the project superintendent. The Project Superintendent and QC staff must maintain a physical presence at the work site at all times during progress of the work and are responsible for all construction and related activities at the work site, except as otherwise acceptable to the Contracting Officer.

There is no separate payment associated with providing and maintaining an effective QC program. All associated costs should be included in the overall pricing schedule.

1.5.1 Contractor Quality Control Plan: Submit no later than 5 business days prior to the Pre-Construction Meeting to the KO. Construction will be permitted to begin only after acceptance of the CQC Plan by the Government. Acceptance of the CQC Plan is conditional and will be predicated on satisfactory performance during the construction. The Government reserves the right to require the Contractor to make changes in the CQC Plan and operations, including removal of personnel, as necessary, to obtain the quality specified. Any proposed changes to the CQC Plan made after acceptance must be approved by the KO. The Contractor shall keep the CQC Plan on site and be readily accessible by the Government as requested.

The CQC Plan should cover all construction operations, both on and off site,

including work performed by subcontractors and include:

- 1.5.1.1** A description of the quality control organization, including a chart showing lines of authority and individuals responsible for ensuring quality on each section of work accomplished.
- 1.5.1.2** The name, qualifications, duties, responsibilities, and authorities of the CQC System Manager and each person assigned a CQC function.
- 1.5.1.3** A copy of the letter to the CQC System Manager signed by an authorized official of the firm which describes the responsibilities and delegates sufficient authorities to adequately perform the functions of the CQC System Manager, including authority to stop work which is not in compliance with the Contract. Letters of direction to all other various quality control representatives outlining duties, authorities, and responsibilities will be issued by the CQC System Manager. Furnish copies of these letters to the Contracting Officer.
- 1.5.1.4** Procedures for scheduling, reviewing, certifying, and managing submittals, including those of subcontractors, offsite fabricators, suppliers, and purchasing agents.
- 1.5.1.5** Control, verification, and acceptance testing procedures for each specific test to include the test name, specification paragraph requiring test, feature of work to be tested, test frequency, and person responsible for each test.
- 1.5.1.6** Procedures for tracking construction deficiencies from identification through acceptable corrective action. Establish verification procedures that identified deficiencies have been corrected.
- 1.5.1.7** A list of definable features of work. Although each section of the specifications can be considered as a design feature of work, there are frequently more than one definable feature of work under a particular section.
- 1.5.2 Quality Control Program Organization:** The minimum requirements for a CQC Plan are a Safety and Health Manager and a CQC System Manager but should be sufficient to ensure safety and quality compliance. One person may perform functions as both the Safety and Health Manager and CQC System Manager with written approval from the KO. Unless written approval is granted by the Contracting Officer, the CQC System Manager

and/or Safety and Health Manager shall not be the same person as the Project Superintendent. There should be sufficient personnel designated as CQC staff to ensure at least one member is always on-site during work.

1.5.3 Testing Reports and Samples: If required within the technical specifications of this contract, perform specified testing to verify that control measures are adequate to provide a product that conforms to contract requirements. Upon request, furnish to the Government duplicate samples of test specimens for possible testing by the Government. All testing should be accomplished by an outside laboratory approved by the KO. If outside testing is required per contract, submit qualifications and certifications of the laboratory for KO approval. The Government reserves the right to check both onsite and offsite testing equipment for compliance with the contract specifications at no additional cost to the Government.

1.6 Project Schedule: Submit a preliminary schedule no later than 5 days prior to the Pre-Construction Meeting to the KO. Construction shall be permitted to begin only after acceptance of the preliminary schedule by the Government. The schedule will show the proposed sequence to perform the work and dates contemplated for starting and completing all scheduled activities. The scheduling of the entire project is required and the scheduling of construction is the responsibility of the Contractor. It is the Contractor's responsibility to incorporate work accomplished by subcontractors and delivery schedules from supplies into the master Project Schedule. Use the Critical Path Method (CPM) of network calculation to generate all Project Schedules. Schedules must be on company letterhead and/or equivalent and have a "wet" or digital signature and/or stamp of the Project Superintendent or other appropriate company representative with the authority to sign.

1.6.1 Basis for Payment and Cost Loading: The schedule is the basis for determining contract earnings during each update period and therefore the amount of each progress payment. The aggregate value of all activities coded to a contract CLIN must equal the value of the CLIN. Activity cost loading must be reasonable and without front-end loading. Provide additional documentation to demonstrate reasonableness if requested by the KO. Failure to meet the requirements of this specification may result in the disapproval of schedule submittals and subsequent reject of payment requests until compliance is met.

1.6.2 Detailed Requirements: Develop the project schedule to the appropriate

level of detail to address major milestones and to allow for satisfactory project planning and execution. Include any design, permitting, and procurement activities and lead times into the master project schedule for approval. The Government will reject any project schedule that does not have sufficient detail to allow for Government review. Activity loading should follow logical sequencing of activities from start to finish.

- 1.6.3 Schedule Computer Software:** The scheduling software used by the Contractor may be of any brand but must be capable of meeting all requirements of this specification. The software must be capable of either printing in Adobe Acrobat© format or exportable to Microsoft Project© format. The Government intends to use Microsoft Project© as its scheduling software.
- 1.6.4 Project Schedule Updates:** For projects with a Period of Performance longer than 60 days, the Contractor will submit, at a minimum, updated Project Schedules at every progress meeting with the Government. The updated schedule shall show completed activities and remaining activities and timelines. The Government may request updates to the schedule at any time and those must be provided within 3 business days.
- 1.7 Submittals:** The Contractor is required to provide written documentation on all submittals for Government review. The KO may request submittals in addition to those specified when deemed necessary to adequately describe the work covered in the respective sections. Each submittal is to be complete and in sufficient detail to allow ready determination of compliance with contract requirements. Submittals requiring Government approval are to be scheduled and made prior to the acquisition of the material or equipment covered thereby. The Contractor must maintain a submittal register showing items of equipment and materials for when submittals are required by the specifications. The CQC System Manager and/or Designer or Record shall approve all items prior to submittal and stamp/sign and date indicating approval. All materials and articles requiring approval shall be submitted by the Contractor using the AF Form 3000. Any material used without or before Government approval is subject to removal, at no additional cost to the Government.
- 1.7.1** The Contractor shall submit material samples, design drawings, and related calculations to the KO for approval in accordance with the schedule of submittals and a minimum of 10 calendar days prior to procurement and

placement of that particular material and construction respectively. This is to preclude approval of a completed design package preceding any construction placement thereby completing delivery orders expeditiously. Upon review by the Government, the submittal along with any comments will be returned to the Contractor within 10 calendar days. If required, the Contractor shall modify the submittal per Government's comments and resubmit within 5 calendar days. Upon final approval, the Contractor shall commence with the procurement and construction accordingly. The Contractor shall submit the following to the Government for review and approval prior to performing the associated work.

1.7.2 Pre-Construction Submittals: Submittals which are required prior to start of construction. The exact submittals may vary depending on the size and complexity of the technical specifications. These include, but are not limited to:

- Certificates of insurance
- Surety bonds
- List of proposed subcontractors
- List of proposed products & product data
- List of key personnel
- Construction project schedule
- Submittal register
- Quality Control plan
- Health and safety plan
- Environmental protection plan
- Waste management plan

1.7.3 Certifications: If specialized work or materials are required per the technical specifications, the Contractor shall submit all necessary certifications or permits to the KO for approval.

1.7.4 Operations and Maintenance Data and Manuals: Submit Operation and Maintenance (O&M) Data for the provided equipment, product, or system, defining the importance of system interactions, troubleshooting, and long-term preventive operation and maintenance. Compile, prepare, and aggregate O&M data to include clarifying and updating the original sequences of operation to as-built conditions. Organize and present information in sufficient detail to clearly explain O&M requirements at the system, equipment, component, and subassembly level. Include an index preceding

each submittal. Documents must be fully legible and must be consistent with the manufacturer's standard brochures, schematics, printed instructions, general operating procedures, and safety precautions.

1.7.5 As-builts: As-built drawings are developed and maintained by the Contractor and depict actual conditions, including deviations from the Contract Documents. Maintain the as-builts throughout construction as "red-lined" hard copies on site. At the end of construction and prior to acceptance, the Contractor shall provide final as-builts to the Government in both digital and hard copy formats. Digital as-builts should be submitted in the ".dwg", ".xml", and ".pdf" formats compatible with AutoCAD®, ArcGIS®, and Adobe®, respectively. Hard copy as-builts shall be a binder of all drawings submitted on 24"x36" sheets of white paper. The Contractor shall provide 2 copies of all hard copy as-builts to the Government.

1.7.6 Warranty Plan: Develop a warranty management plan which contains information relevant to the clause Warranty of Construction and submit to the Government as part of the Pre-Final Inspection. Include within the warranty management plan all required actions and documents to assure that the Government receives all warranties to which it is entitled. The plan must be in narrative form and contain sufficient detail to render it suitable for use by future maintenance and repair personnel, whether tradesmen, or of engineering background, not necessarily familiar with this contract. Warranty information made available during the construction phase must be submitted to the Contracting Officer for approval prior to each monthly pay estimate. Assemble approved information in a binder and turn over to the Government upon acceptance of the work. The construction warranty period will begin on the date of project acceptance and continue for the full product warranty period. A joint 4-month and 9-month warranty inspection will be conducted, measured from time of acceptance, by the Contractor, CO, and the BCE. Include within the warranty management plan, but not limited to, the following:

1.7.6.1 Roles and responsibilities of all personnel associated with the warranty process, including points of contact and telephone numbers within the organizations of the Contractors, subcontractors, manufacturers or suppliers involved.

1.7.6.2 Furnish with each warranty, the name, address, and telephone number of each of the guarantor's representatives nearest to the project location.

1.7.6.3 Listing and status of delivery of all Certificates of Warranty for extended warranty items, to include roofs, HVAC balancing, pumps, motors, transformers, and for all commissioned systems such as fire protection and alarm systems, sprinkler systems, lightning protection systems, etc.

1.7.6.4 A list for each warranted equipment, item, feature of construction or system indicating:

- Name of item.
- Model and serial numbers.
- Location where installed.
- Name and phone numbers of manufacturers or suppliers.
- Names, addresses and telephone numbers of sources of spare parts.
- Warranties and terms of warranty. Include one-year overall warranty of construction, including the starting date of warranty of construction. Items which have extended warranties must be indicated with separate warranty expiration dates.
- Cross-reference to warranty certificates as applicable.
- Starting point and duration of warranty period.
- Summary of maintenance procedures required to continue the warranty in force.
- Cross-reference to specific pertinent Operation and Maintenance manuals.
- Organization, names and phone numbers of persons to call for warranty service.
- Typical response time and repair time expected for various warranted equipment.

1.7.6.5 The plans for attendance at the 4 and 9 month post-construction warranty inspections conducted by the Government.

1.7.6.6 Procedure and status of tagging of all equipment covered by extended warranties.

1.7.6.7 Copies of instructions to be posted near selected pieces of equipment where operation is critical for warranty and/or safety reasons.

1.7.7 Draft DD Form 1354, Transfer and Acceptance of Real Property: The Government will provide a draft initial DD Form 1354 to the Contractor at the start of the project that has the appropriate Real Property Unique

Identifies (RPUIDs) and associated Category Codes that apply to this contract. The Contractor will submit a draft complete DD Form 1354, to the Government for review and acceptance at the Red Zone Meeting that uses the appropriate division of the RPUIDs & Category Codes and represents the final constructed facility and associated costs. The Government shall return the draft DD Form 1354 to the Contractor for any necessary corrections. The Contractor shall submit to the Government a final, correct, and signed DD Form 1354 at final project acceptance.

1.8 Construction Meetings: The Contractor and Government shall hold Pre-Construction, Periodic Progress, and Red Zone meetings throughout the project.

1.8.1 Pre-Construction Meeting: Prior to issuance of a NTP, the Government will schedule a Pre-Construction Meeting (Pre-Con) to review project specifications and installation requirements with the Contractor, CO, BCE representative and other members. The Contractor must have the Project Superintendent, CQC System Manager, and Safety and Health Manager, at a minimum, in attendance. Topics of discussion will include Hours of work which are Monday –Friday, 0700- 1630, lay-down and storage areas, work area limits, safety compliance, emergency notifications and any other topics deemed necessary by the KO or BCE representative.

1.8.2 Periodic Progress Meetings: The Contractor is responsible for scheduling periodic schedule update meetings for the purpose of reviewing the schedule, quality, and overall progress. The Contractor shall coordinate with the KO and other Government personnel, as directed by the CO, to schedule periodic progress meetings at an interval agreed upon at the Pre-Con. At any time, either party may request a change to the progress meeting intervals for consideration. The Contractor's Project Superintendent or authorized representative must attend the progress meetings. The Contractor shall provide minutes from the meeting and submit to the KO within 2 business days for review.

1.8.3 Red Zone Meetings: The Contractor shall schedule an initial, and any necessary follow-up, Red Zone meetings when the project reaches 75% complete according to the most current project schedule. During the Red Zone meetings, the Contractor and Government will discuss the closeout process and checklist, remaining milestones and deliverables, and align responsibility for actions necessary to ensure a smooth transfer and

acceptance of real property. These Red Zone meetings can be combined with progress meetings, if both parties agree, to increase efficiency and reduce additional meetings.

~~1.9 — **Contractor Manpower Reporting:** The contractor Manpower Requirement is mandated by the Dept. of Air Force and requires the reporting of the dollar value of labor hours for the performance of and awarded service. The Contractor Manpower Reporting website is <https://www.ecmra.mil>~~

1.10 Site Measurements: The Contractor shall perform a physical survey of the actual site to verify locations of existing objects and buildings, as well as existing power cables, communication cables, water and sanitary sewer line conditions prior to the start of construction. Also, the Contractor shall submit a list of items that will need to be moved to accommodate the construction work to the BCE and KO for review.

1.11 Standard Material & Workmanship: All materials and supplies shall be new and standard products regularly used for commercial construction of similar size, style and complexity. Workmanship shall be comparable to quality commercial construction, meet industry standards and comply with standards contained in this SOW. The KO and BCE representative shall review materials and inspect work for compliance with these standards. Low quality work will be rejected at the discretion of either the KO or BCE representative.

1.12 Material & Equipment Storage: The Contractor shall stockpile and place materials and equipment only in areas specifically approved by the BCE. All materials stored on base are at the risk of the Contractor and not the responsibility of the Government.

1.13 Completion Inspections: The Contractor shall be responsible for conducting Punch-Out Inspections, Pre-Final Inspections, and Final Acceptance Inspections.

1.13.1 Punch-Out Inspection: Conduct an inspection of the work near the end of the construction to identify any work that does not conform to the contract specifications or drawings. The CQC Systems Manager shall re-inspect the deficient work after corrections and ascertain that all deficiencies have been corrected. When the Punch-Out Inspection is complete and all noted deficiencies have been corrected, notify the KO that the facility is ready for

the Government Pre-Final Inspection.

- 1.13.2 Pre-Final Inspection:** The Government will perform the Pre-Final Inspection to verify that the facility is complete and ready to be occupied. A Government Pre-Final Punch List may be developed as a result of this inspection. Ensure that all items on this list have been corrected before notifying the Government, so that the Final Acceptance Inspection can be scheduled. Correct any items noted on the Pre-Final inspection in a timely manner. These inspections and any deficiency corrections required by this paragraph need to be accomplished within the time slated for completion of the entire work
- 1.13.3 Final Acceptance Inspection:** The Contractor's QC personnel, plus the superintendent or other primary management person, and the COR is required to attend the final acceptance inspection. Additional Government personnel including, but not limited to, those from BCE organization and end-users. The final acceptance inspection will be formally scheduled by the KO based upon results of the Pre-Final Inspection. The Contractor will notify the KO at least 14 days prior to the Final Acceptance Inspection and include the Contractor's assurance that all specific items previously identified to the Contractor as being unacceptable, along with all remaining work performed under the Contract, will be complete and acceptable by the date scheduled for the Final Acceptance Inspection. Failure of the Contractor to have all contract work acceptably complete for this inspection will be cause for the KO to bill the Contractor for the Government's additional inspection cost.
- 1.14 Safety:** The Contractor personnel shall work in a safe manner in accordance with Government and OSHA standards. Determination of what constitutes unsafe practices is at the discretion of Government personnel. Failure of the Contractor supervisors to ensure Contractor personnel work safely and with the proper gear may require a stoppage of work and/or removal of the workers at no cost or delay charged to the Government. All Contractor personnel shall have appropriate clothing and PPE worn at all times. At a minimum, this includes wearing work pants and shirts, work boots and yellow or orange bright reflective safety vests. Loose fitting clothing and open toed shoes are not allowed on the work site. Additionally, some tasks require additional protection: i.e., safety glasses, hearing protection, masks, etc. that shall be required for certain tasks. Safety harnesses shall be required for workers performing elevated work. Contractor shall provide a work site safety plan for review.

1.14.1 Competent Persons: Unless otherwise directed in the specifications, it is the Contractor's responsibility to determine the need for Competent Persons based on the technical specifications and work required for this contract. The Contractor shall submit the qualifications, in resume format, for identified individuals and the specific tasks they are required for to the KO for approval.

1.14.2 Qualified Persons: Unless otherwise directed in the specifications, it is the Contractor's responsibility to determine the need for Qualified Persons based on the technical specifications and work required for this contract. The Contractor shall submit the qualifications, in resume format, for identified individuals and the specific tasks they are required for to the KO for approval.

1.15 Accident Prevention: The Contractor shall comply with the following safety requirements while performing work under this contract:

1.15.1 106 RQW Property: Use diligent care not to damage the facility or government assets in the project area and 106RQW property while in performance of this contract. Damage caused by the Contractor will be repaired to pre-existing condition or better at no additional cost to the Government

1.15.2 Work Area: The contractor shall maintain a clean and secured work area at all times. Free of trip hazards and debris generated by project actions and secured against accidental intrusions by non-project personnel.

1.15.3 The Contractor shall ensure that any open excavations are covered, secured, and clearly marked/identified at the end of each workday or when there are not Contractor personnel on site.

1.15.4 Traffic Control Devices: The Contractor shall be responsible for signaling, lighting, and barricading the immediate work area as determined by the BCE.

1.15.5 Vehicles: All vehicles operated by the Contractor will obey all traffic signs and laws while operating on the installation.

1.15.6 Electrical extension cords: may be used on a temporary basis to provide power to tools and equipment. Do not overload extension cords. Any frayed

or spliced extension cords are prohibited. Power supply will be the responsibility of the contractor.

1.16 Fire Prevention: The prevention of fire is imperative during construction projects. The Contractor is responsible for enforcing fire safety in his work area. The Contractor shall have serviceable fire extinguishers readily available at all times if necessary. Extinguishers shall be supplied by the Contractor. Any hot work will require a burn permit from the Fire Department.

1.16.1 Smoking is prohibited inside buildings and within 50 feet of flammable and combustible liquids. Contractor must designate authorized smoking areas and must provide flameproof canisters or receptacles to capture and safely dispose of discarded tobacco materials.

1.17 Work Clearance and Approval: Prior to starting work, the Contractor shall submit an Air Force Form 103, "Base Civil Engineering Work Clearance Request", to the BCE for approval. The AF Form 103 should include all of the information necessary to approve a permit for work on the installation. In addition to the required submittals for this contract, other examples of supporting documentation for an AF Form 103 include, but are not limited to:

1.17.1 Work Site Layout: The Contractor shall perform a physical survey of the work site to verify locations of existing objects and buildings, as well as existing power cables, communication cables, water and sanitary sewer line conditions prior to the start of construction. The Contractor shall submit a list of items that will need to be moved to accommodate the construction. The Contractor shall identify the extent of the work site and proposed areas for material storage, administrative space, traffic routes, etc.

1.17.2 Utility Mark-out: Contractor shall thoroughly tone and mark-out all areas to be excavated greater than 4" to identify any possible obstructions to excavating throughout the project area. Most utilities on the installation are owned by the Government and may not be marked out by the local utility companies. It is the Contractor's responsibility to appropriately identify any risk to utility lines and mitigate such risk appropriately. The Contractor is solely responsible for any damage caused to Government or Private utility lines during construction.

- 1.17.3 Connections to Water Distribution System:** Contractor shall only connect to points approved by the BCE or KO using reduced pressure backflow prevention device. Certification that the reduced pressure backflow prevention device has a current inspection and is serviceable shall be provided to the BCE and/or KO. The connection point shall be in a highly visible location and appropriately marked.
- 1.17.4 Barricades and Fencing:** The Contractor shall furnish the materials, equipment, and labor to install and maintain temporary barricades to safeguard against non-project personnel accidental intrusions. The Contractor is required to provide all necessary barriers and temporary covering of exposed areas as well as furnish the materials, equipment, and labor to prevent accidental entry. The contractor is responsible to furnish and install silt fencing barricade systems around the work site and/or Base drainage structures as required.
- 1.17.5 Sanitary Facilities:** The Contractor shall provide temporary, field-type sanitary facilities for personnel working the project and the facilities provided must be new or in “like-new” condition and free of graffiti. Units are required to be serviced on a weekly basis, at a minimum; and all units shall be equipped with hand wash stations. The Contractor is responsible for ensuring positive control over sanitary facilities and shall not allow them to become an eyesore or health concern for Contractor and Government personnel. The Contractor is responsible for any spill resulting from improper handling, use, or maintenance of sanitary facilities.
- 1.18 Inspection by Government Agents:** The KO or BCE may inspect the work site and any work area at any time. Inspections by the Government do not in any way absolve the contractor from their obligation to provide materials and construction free from defects and in accordance with the required specifications and quality.
- 1.19 Permits:** All required permitting (with both on- and off-base entities) is the responsibility of the Contractor. Any required permits from off-base entities must be vetted for concurrence through the BCE and/or KO prior to submittal.
- 1.20 Construction Debris:** Disposal of all debris is the responsibility of the Contractor, and the disposal shall be done in accordance with all applicable laws. Debris from the work site shall be removed and transported in a

manner that prevents spillage on streets and adjacent areas. The contractor shall submit waste/recycling manifests with descriptions of all rubbish/debris and recycled matter removed from the base, including weights and the final location of the rubbish/debris or recycled material. All dumpsters shall be fully covered and secured at the end of each workday while on Base.

Extreme caution shall be taken to eliminate any source of Foreign Object Debris (FOD) when working on or near airfield pavements. The Contractor shall be responsible for the covering of open bodied vehicles transporting any material likely to create air pollution or become debris while on base. All mud, dirt, debris, foreign objects, trash, or spills (including Sub-Contractors and suppliers) on a street or parking lot, used as access to the work site or staging area shall be cleaned off the same day. The Contractor is responsible for any damage caused by lack of positive control over debris.

1.21 General Protection/Security Policy and Procedures: The contractor shall comply with all applicable installation/facility access and local security policies and procedures, which may be obtained from the Contracting Officer's Representative (COR). The contractor shall also provide all information required for background checks to meet installation access requirements to be accomplished by the local installation's Security Forces, Director of Emergency Services or local Security Office. The contractor shall ensure compliance with all personal identity verification requirements as directed by DoD, Headquarters Air Force (HAF) and/or local policy. Should the Force Protection Condition (FPCON) change, the Government may require changes in contractor security matters or processes.

1.22 Inspection by Government Agents: The KO or ANG BCE / his agents may inspect any work at any time. Inspections by the Government do not in any way absolve the contractor from their obligation to provide materials and construction free from defects and in accordance with the required specifications and quality.

1.23 Permits: All required Base and non-Base permitting is the responsibility of the Contractor, however before taking any steps or making contact with outside agencies the contractor shall meet and plan with the ANG BCE / his agents.

1.24 Disposals: Disposal of all debris is the responsibility of the Contractor, and the disposal shall be done in accordance with all applicable laws. Debris

from the site shall be removed and transported in a manner that prevents spillage on streets and adjacent areas. The contractor shall submit waste/recycling manifests with descriptions of all rubbish/debris and recycled matter removed from the base, including weights and the final location of the rubbish/debris or recycled material. All dumpsters shall be fully covered and secured at the end of each workday while on Base. Extreme caution shall be taken to eliminate any source of Foreign Object Debris (FOD).

1.25 Environmental Protection: The Contractor shall comply with the following environmental requirements while performing work under this contract:

In the event the Contractor brings any hazardous material on to the 106RQW, the Contractor shall notify ANG BCE and follow the following steps:

Step 1: Provide a list of each material and quantity of material for all proposed Hazardous Material (HM) on the hazardous material identification work sheets at monthly interims. HM shall be construed to mean any item that is:

- A health hazard or physical hazard
- Regulated in its disposal by EPA
- Hazardous as defined by DOT regulations
- Covered under EPCRA (or federal, state or local) tracking requirement, the OSHA HAZCOM Standard, and all Class I and Class II Ozone Depleting Substances (ODS)

Step 2: Provide a material safety data sheet (MSDS) for each item on the HM list.

The contractor shall establish Hazardous Material (HM) storage and daily distribution system when HM is to be used. All HM required to support the contract shall be reported to the Hazardous Material Pharmacy Team (HMPT) using the Contractor HM Identification work sheet, listing in order of quantities used. The Contractor HM Identification work sheets will be provided to the Contractor at or prior to the Pre-Construction meeting. Additional HM needed by the

Contractor shall be identified to the Contracting Officer's Representative (COR) for approval by the HMPT. The contractor planning to use HM for the work shall register with the base HMPT prior to start of work in order to support the installation's compliance with Executive Order 12856, Federal Compliance with Right-to-Know Laws and Pollution Prevention Requirements, and AFI 32-7086. The Contractor shall maintain Contractor HM Identification work sheets for HM on the job site for inspection/verification. The COR will verify that the HM identified to HMP is the only HM in use on the job site. At closing the Contractor will complete part 2 of the Contractor Hazmat ID Worksheet to be submitted to the HMPT.

The contractor shall accompany the Bio-environmental Engineer (BEE), The Contracting office representative (COR) and Environmental representative (ENV) on the project close out inspection to ensure all used/unused HM is removed from the installation.

The Contractor shall be responsible for maintaining the work site to prevent the spread of contamination, provide for the safety of all individuals in the vicinity of the work site areas and prevent the release of any contaminants into the environment. Any tanks or drum containers used by the Contractor on the 106RQW to store hazardous materials including petroleum products shall be reviewed and approved by the base Environmental Manager prior to use.

The Contractor shall be responsible for the covering of open bodied vehicles transporting any material likely to create air pollution or become debris while on base.

All mud, dirt, debris, foreign objects, trash, or spills (including Sub-Contractors and suppliers) on a street or parking lot, used as access to the work site or staging area shall be cleaned off the same day or as soon as practicable or requested by the KO.

The Contractor shall immediately report to the KO to discuss any issues or incidents which may indicate potential imminent risk to Government personnel or the environment. Following the notification, the Contractor shall be available to the KO for instructions regarding remediation of the release. Contractor should be aware of "you spill, you dig" policies related to working on 106RQW and be prepared to respond to a release

caused by the Contractor's personnel. To report a release or spill, contact the base Environmental Manager immediately.

1.25.1 Accidental Spills: To report a release or spill, contact the KO and ANG BCE / his agents as soon as possible. Report the following:

- a. Your name, location, organization, and telephone number
- b. Name and address of the party responsible for the incident
- c. Date and time of the incident
- d. Location of the incident
- e. Source and cause of the release or spill
- f. Types of material(s) released or spilled
- g. Quantity of materials released or spilled
- h. Danger or threat posed by the release or spill
- i. Number and types of injuries (if any) xxx

1.26 CODES AND STANDARDS: All work performed under this contract shall be in compliance with all highest standards, rules, codes, regulations, guidance and laws having any relevance to the project such as, but not limited to; NYANG, USAF, NYDEC the New York State (NYS) Fire Prevention and Building Code and USAF Health and Safety standards as well as widely accepted industry standards, including but not limited to: American Institute of Architects, American Concrete Institute, American Institute of Electrical Engineers, American Institute of Steel Construction, American National Standards Institute, American Society of Heating, Refrigerating and Air-Conditioning Engineers, American Society of Mechanical Engineers, American Society of Testing Materials, National Bureau of Standards, National Electric Code, American Welding Society, Brick Institute of America, Building Officials and Code Administrators, Federal Aviation Administration, National Fire Protection Association, National Electric Code, Occupational Safety & Health Administration, Rubber Manufacturers Association, Underwriters Laboratories, the New York DOT standard specifications and the New York Department of Environmental Conservation.

2 SECTION II – TECHNICAL REQUIREMENTS

2.1 SCOPE OF WORK

2.1.1 Abbreviated Scope: Construct new parking lot in front of building 424 at FS Gabreski ANGB. This involves all site work required.

2.1.2 The following is a list of the major tasks included in this SOW:

Section 2.1.1.1 – Site Investigation

Section 2.1.1.2 – Site Preparation

Section 2.1.1.3 – Construction of Parking Lot

Section 2.1.1.4 – Site Cleanup

EXPANDED DESCRIPTION OF SCOPE OF WORK

2.1.1.1 Site Investigation: All dimensions within this scope of work and on any attachments are true dimensions. The Contractor shall field verify all measurements and configurations prior to start of work. If the site is insufficient in any way, mitigation of these deficiencies shall be included in the Contractor's proposal.

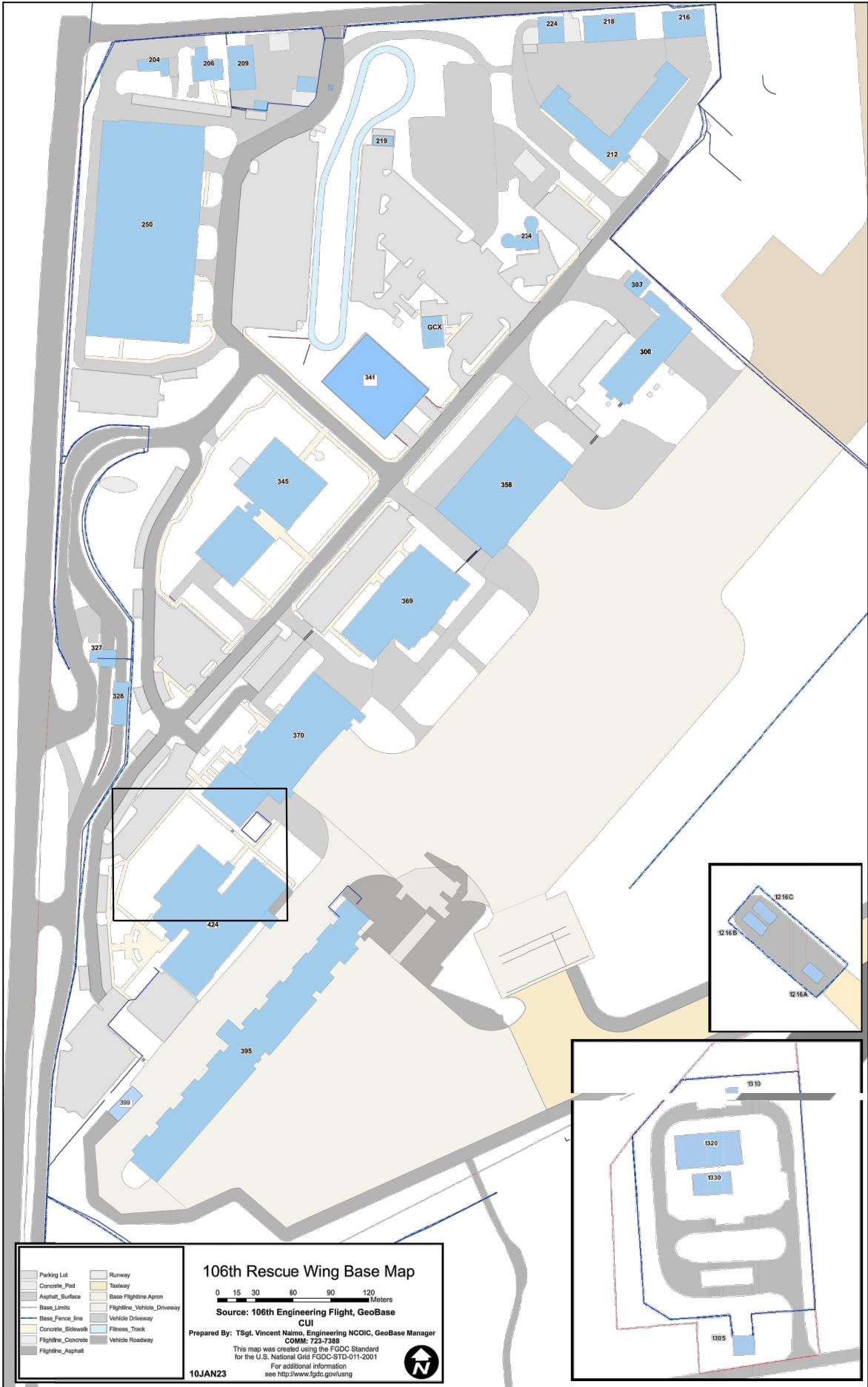
2.1.1.2 Site Preparation: The contractor shall prepare the site safely with the necessary documents posted throughout. Any deliveries and removal of materials shall be handled appropriately. All work to be performed shall adhere, but not limited, to Unified Facilities Guide Specifications (UFGS) – 31 10 00 SITE CLEARING.

2.1.1.3 Construction of Parking Lot: Convert roughly 12,500 SF of stormwater drainage swale around building 424 into gravel parking lot with geogrid. The max depth of existing swales is roughly 4 FT and requires around 1,156 CY of fill. Around 3,000 SF (roughly 157 CY) of existing swales is to be kept as stormwater drainage swales. Install three (3) ø10'x13' effective depth precast concrete drywells. Install four (4) precast concrete catch basins of heights ranging from 2.5 FT to 7 FT. Install one (1) rip rap drainage outlet. Connect catch basins to drywells and rip rap. Install grass drain between southern curb and building 424. Install new curb, demolish sections of existing northern sidewalk for vehicle access ramps. Add access ramps for the existing northern sidewalk. Remove southern sidewalk and install new southern sidewalk with access ramp. All work to be performed shall adhere, but not limited, to Unified Facilities Guide Specifications (UFGS) – 32 15 00 AGGREGATE SURFACING, UFGS – 31 32 19.13 GEOGRID SOIL STABILIZATION, and UFGS – 33 40 00 STORMWATER UTILITIES.

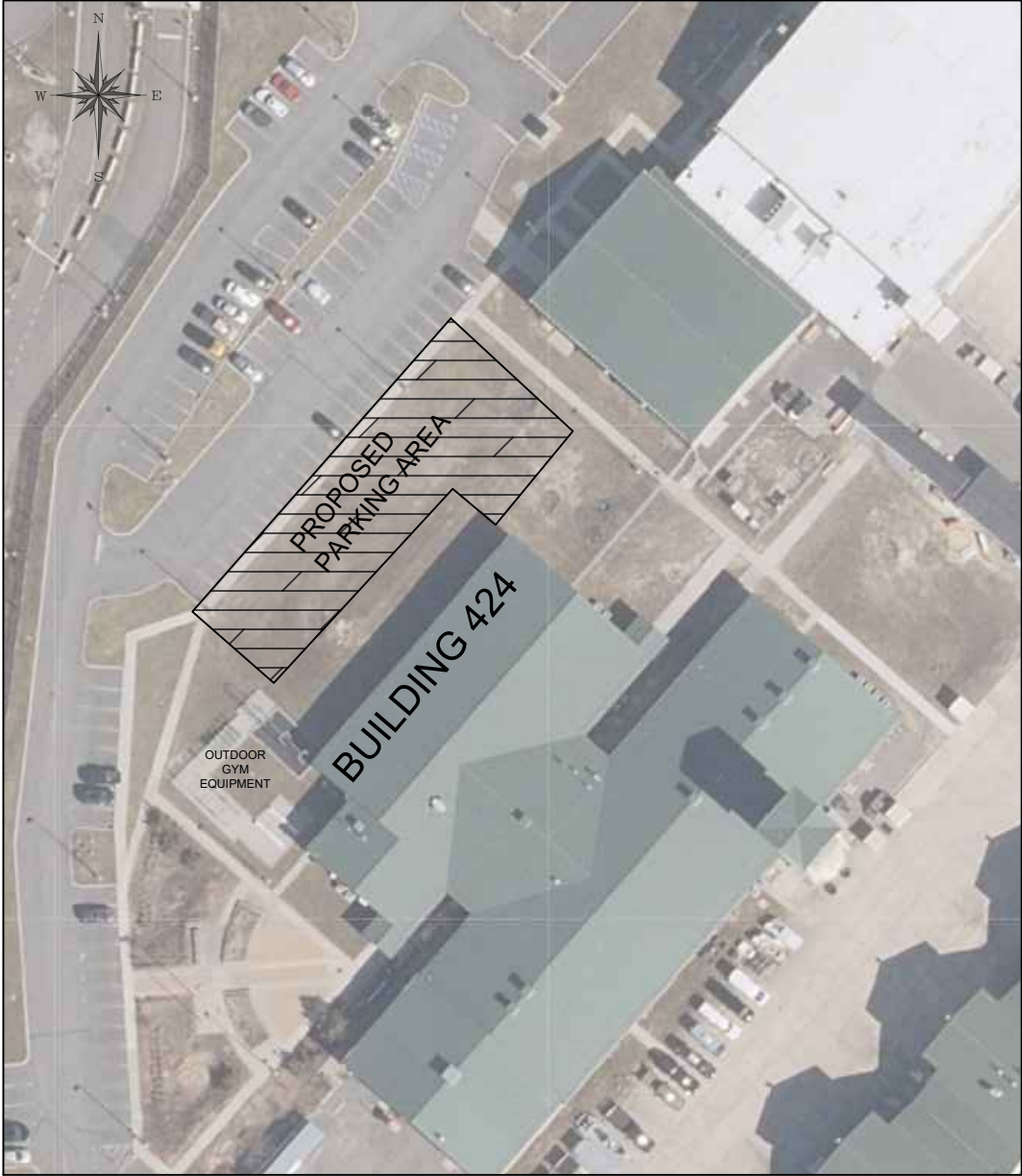
2.1.1.4 Site Cleanup: The Contractor is responsible for any cleanup, seeding, and repair required to restore site to preconstruction condition or any improved conditions called for in this SOW. Additionally, the site must be clear of all debris at the end of each working day.

Buildings included in Statement of Work:





BASE SECTION MAP
NOT TO SCALE



INDEX OF DRAWINGS			
SHEET#	TITLE	SHEET#	TITLE
C1	TITLE SHEET	C6	PROFILES 2
C2	GENERAL NOTES	C7	DETAILS
C3	DEMO PLAN	C8	GEOGRID DETAIL
C4-1 to C4-4	PROPOSED PLANS	C9	SIDEWALK DETAILS
C5	PROFILES 1	C10	CATCH BASIN DETAIL



C1	100% PLAN DESIGN		GABRESKI BUILDING 424 PARKING AREA					DEPARTMENT OF THE AIR FORCE 106 CIVIL ENGINEER SQUADRON GABRESKI AIR NATIONAL GUARD BASE								
REVISION	DATE	BY						CHECKED BY ENGINEERING	PROJECT NUMBER GABRESKI ANG 2025_103RS_PARKING LOT DWG	DATE 2026-04-25 SCALE NTS	PAPER SIZE ANSI B SHEET NUMBER 1 OF 13					

SCOPE:
CONVERT 12,448 SF± OF STORMWATER DRAINAGE SWALE AROUND BUILDING 424 INTO GRAVEL PARKING LOT WITH GEOGRID. MAX DEPTH OF EXISTING SWALE 4'± REQUIRES 1,156 CY± OF FILL. 2990 SF± (157 CY±) OF EXISTING SWALE TO BE KEPT AS STORMWATER DRAINAGE SWALE. INSTALL THREE (3) Ø10'X13' EFFECTIVE DEPTH PRECAST CONCRETE DRYWELLS. INSTALL FOUR (4) PRECAST CONCRETE CATCH BASINS OF HEIGHTS RANGING FROM 2.5'-7'. INSTALL ONE (1) RIP RAP DRAINAGE OUTLET. CONNECT CATCH BASINS TO DRYWELLS AND RIP RAP. INSTALL GRASS DRAIN BETWEEN SOUTHERN CURB AND BUILDING 424. INSTALL NEW CURB, DEMOLISH SECTIONS OF EXISTING NORTHERN SIDEWALK FOR VEHICLE ACCESS RAMPS. ADD ACCESS RAMPS FOR NORTHERN EXISTING SIDEWALK. REMOVE SOUTHERN SIDEWALK. INSTALL NEW SOUTHERN SIDEWALK WITH ACCESS RAMP.

- GENERAL NOTES:**
- 1. MAINTAIN GRADE 2% FOR PARKING LOT .
 - 2. MAINTAIN GRADE OF 1:10 FOR PARKING LOT RAMPS.
 - 3. ENSURE ADEQUATE COMPACTION FOR ALL LEVELS WHEN RAISING GRADE PER MANUFACTURER SPECIFICATION OR NYS/NYSDOT BUILDING CODE.
 - 4. NON PAVED SURFACE TO HAVE A LAYER OF TOP SOIL AND GRASS OR EQUIVALENT FOR EROSION CONTROL.
 - 5. A 4" PERFORATED PIPE WRAPPED IN GEOTEXTILE FABRIC SHOULD BE INSTALLED WITH THE CURB TO ENSURE PROPER DRAINAGE.
 - 6. CATCH BASINS TO HAVE DRAIN FILTERS TO REDUCE SEDIMENTATION.
 - 7. MILITARY INSTALLATION TO CREATE A SCHEDULE TO ENSURE DRAIN FILTERS ARE CLEAN. ENGINEER RECOMMENDS FILTERS TO BE CLEANED EVERY 3-6 MONTHS, BEFORE & AFTER MAJOR RAINFALL EVENTS, AND IF SIGNIFICANT BUILD UP IS OBSERVED (AS NECESSARY) AT MINIMUM.
 - 8. EXISTING GUTTER LINES TO BE RELOCATED AS NECESSARY AND ATTACHED TO DRAINAGE SYSTEM.
 - 9. ALL COMPONENTS UNDER THE PARKING LOT TO BE H-20 TRAFFIC RATED PER NYSDOT STANDARDS.
 - 10. GRAVEL PARKING LOT TO USE GEOGRID PRODUCT OR EQUIVALENT AND COMPACTED TO 95% .
 - 11. CURB RAMPS TO BE ADA COMPLIANT.
 - 15. PS 21,33,34 ARE MOTORCYCLE PARKING SPACES

- SOIL FINDINGS:**
- 1. THERE IS 3" OF TOP SOIL MIXED WITH SAND (OL/SP) FOLLOWED BY SAND (SP).
 - 2. TOP 3" OF SOIL (OL/SP) TO BE REMOVED AND REPLACED WITH SP SAND.
 - 3. IN-SITU SOIL INITIAL EVALUATION: DCP AVERAGE 11.5 MM/BLOW. CBR BETWEEN 5-10.

PARKING LOT STORMWATER CALCULATIONS:
12" GRAVEL PARKING LOT CAPACITY: 184 CY
EAST SWALE CAPACITY: 157 CY
DRY WELL CAPACITY Ø10'X13' (3X): 99 CY
TOTAL PROPOSED CAPACITY: 440 CY
TOTAL LOSS FROM REMOVAL OF MAIN SWALE: 402 CY
PROPOSED DRAINAGE **440** CY > EXISTING **402** CY

PARKING LOT FILL CALCULATIONS:
FILL FOR PARKING LOT: 1,156 CY+ FILL FOR SWALE REUSE: 16 CY=
TOTAL NEEDED FILL 1,172 CY ROUND UP TO: **1,300 CY± MIN**

PIPE FLOW SPECIFICATIONS:
8" HDPE GPM: 700 GPM± PER PIPE INLET

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GABRESKI
AIR NATIONAL GUARD BASE

CHECKED BY

DRAWN BY

ENGINEERING

PROJECT NUMBER

DRAWING FILE NAME

GABRESKI ANG 2025_103RS_PARKING LOT.DWG

DATE

2026-04-25

PAPER SIZE

ANSI B

SHEET NUMBER

2 OF 13

GABRESKI
BUILDING 424
PARKING AREA



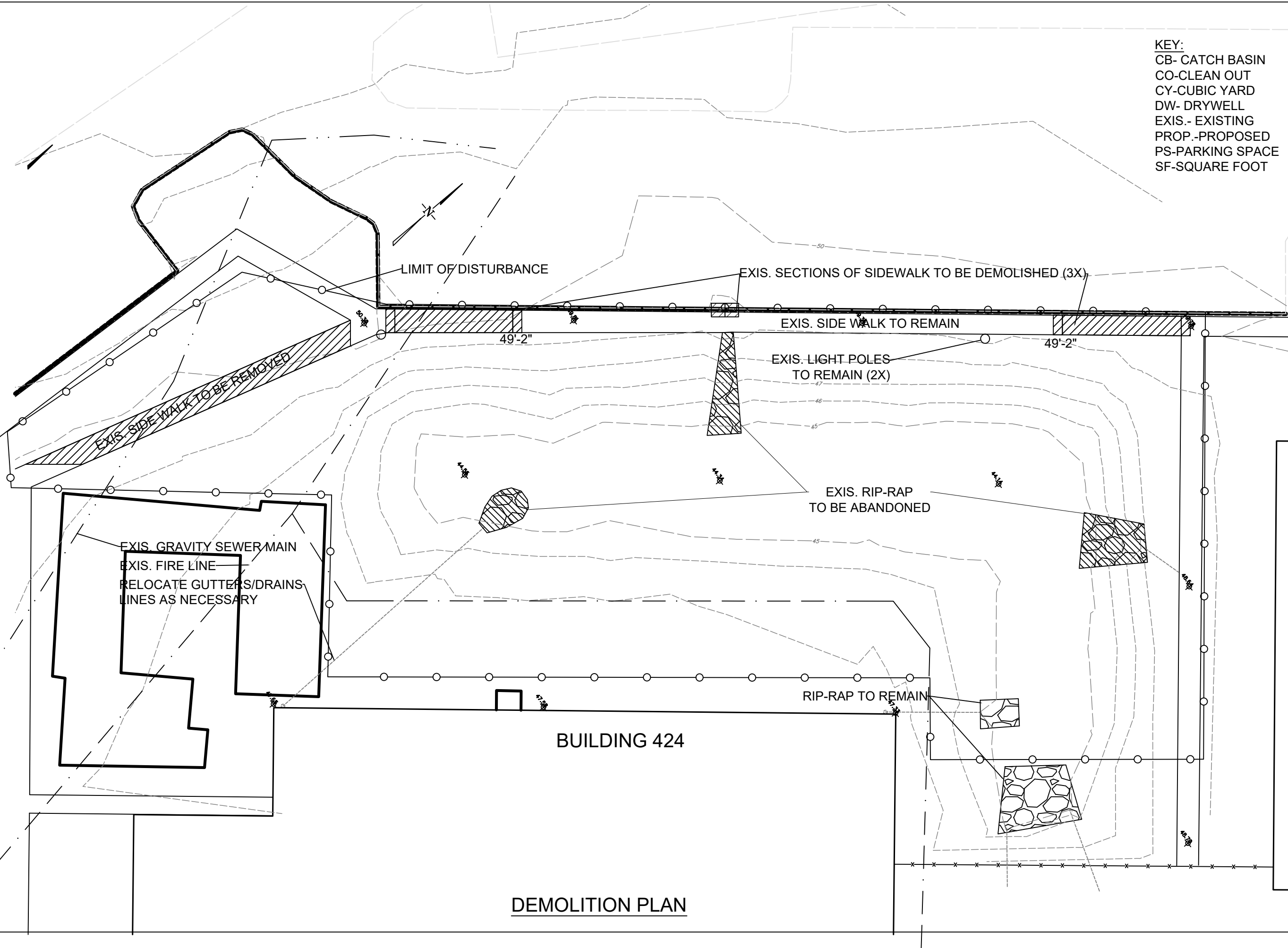
100% PLAN DESIGN

C2


REVISION

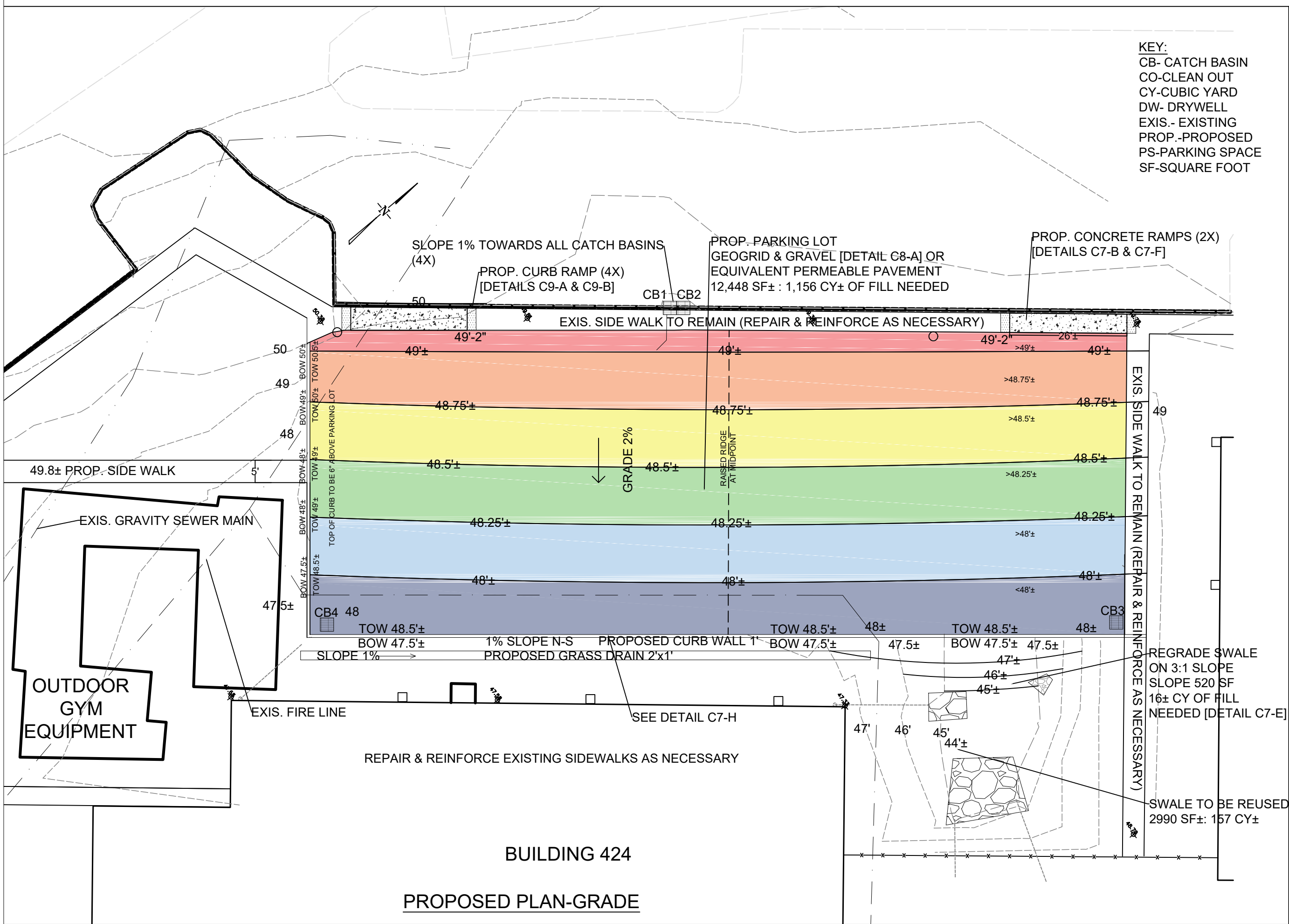
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BY



KEY:
CB- CATCH BASIN
CO-CLEAN OUT
CY-CUBIC YARD
DW- DRYWELL
EXIS.- EXISTING
PROP.-PROPOSED
PS-PARKING SPACE
SF-SQUARE FOOT

C3	100% PLAN DESIGN		GABRESKI BUILDING 424 PARKING AREA			DEPARTMENT OF THE AIR FORCE 106 CIVIL ENGINEER SQUADRON GABRESKI AIR NATIONAL GUARD BASE			



KEY:
CB- CATCH BASIN
CO-CLEAN OUT
CY-CUBIC YARD
DW- DRYWELL
EXIS.- EXISTING
PROP.-PROPOSED
PS-PARKING SPACE
SF-SQUARE FOOT

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CHECKED BY	PROJECT NUMBER	DATE	PAPER SIZE
DESIGNED BY	DRAWING FILE NAME	2026-04-25	ANSI B
ENGINEERING	GABRESKI AUG 2025, USRS, PARKING LOT DWG	1:20	SHEET NUMBER
			5 OF 13

GABRESKI
BUILDING 424
PARKING AREA

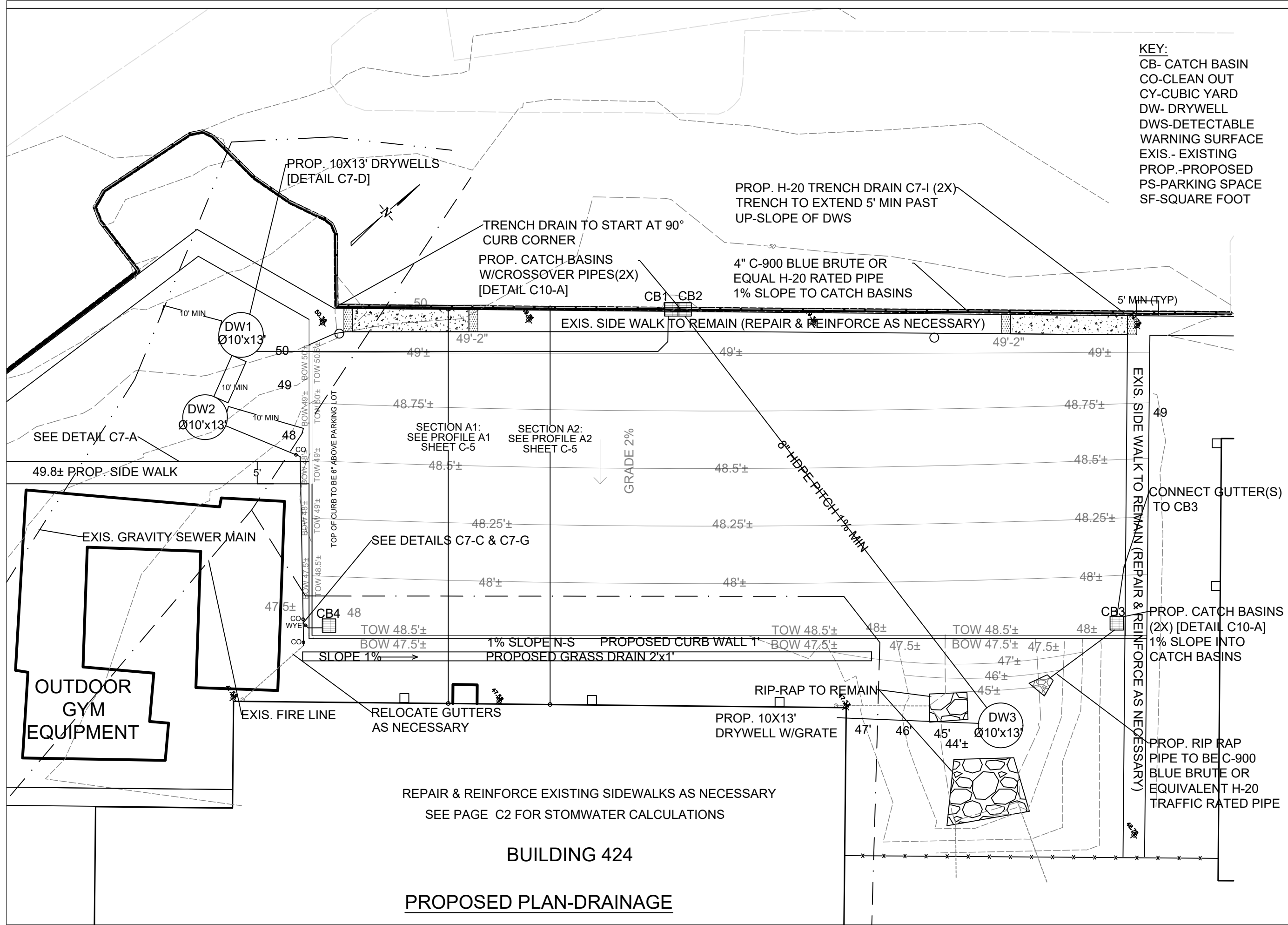


C4-2 100% PLAN DESIGN

BY

DATE

REVISION



KEY:
CB- CATCH BASIN
CO-CLEAN OUT
CY-CUBIC YARD
DW- DRYWELL
DWS-DETECTABLE
WARNING SURFACE
EXIS.- EXISTING
PROP.-PROPOSED
PS-PARKING SPACE
SF-SQUARE FOOT

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GABRESKI
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CHECKED BY	PROJECT NUMBER	DATE	PAPER SIZE
ENGINEERING		2026-04-25	ANSI B
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	GABRESKI ANG 2025_10SRP_PARKING LOT DWG	1-20	6 OF 13

GABRESKI
BUILDING 424
PARKING AREA



100% PLAN DESIGN

C4-3

REVISION	DATE	BY

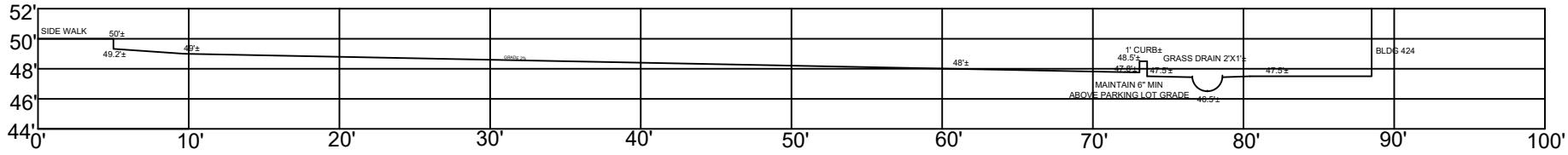
REPAIR & REINFORCE EXISTING SIDEWALKS AS NECESSARY
SEE PAGE C2 FOR STOMWATER CALCULATIONS

BUILDING 424

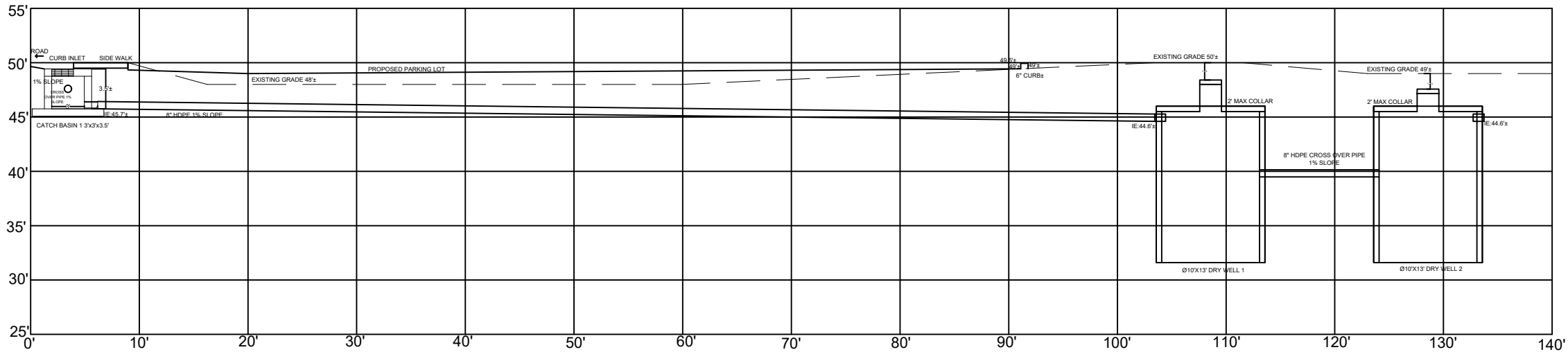
PROPOSED PLAN-DRAINAGE



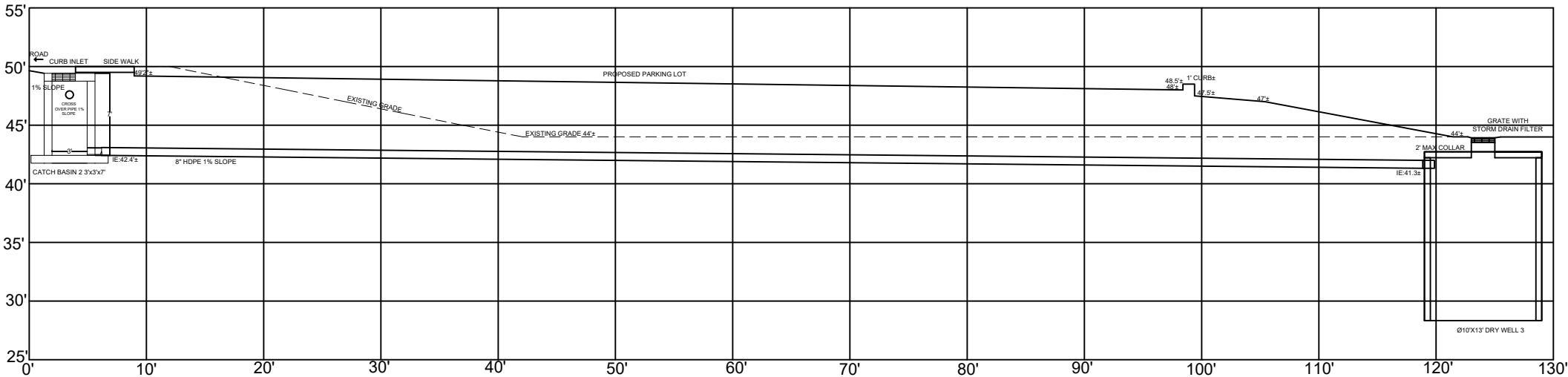
PARKING LOT PROFILE-A1
NOT TO SCALE



PARKING LOT PROFILE-A2
NOT TO SCALE



CATCH BASIN 1
NOT TO SCALE



CATCH BASIN 2
NOT TO SCALE

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CHECKED BY MSgt. ROBBINS	PROJECT NUMBER	DATE 2026-04-25	PAPER SIZE ANSI B
DRAWN BY ENGINEERING	DRAWING FILE NAME GABRESKI ANG 2025_103RS_PARKING LOT DWG	SCALE NTS	SHEET NUMBER 8 OF 13

GABRESKI
BUILDING 424
PARKING AREA



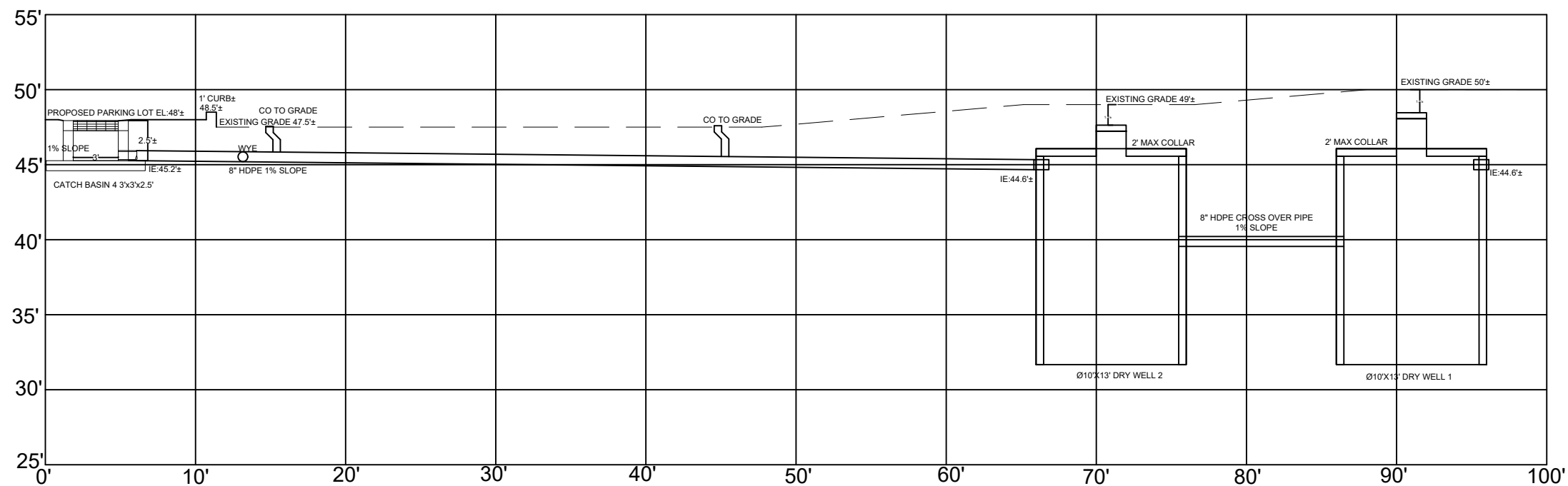
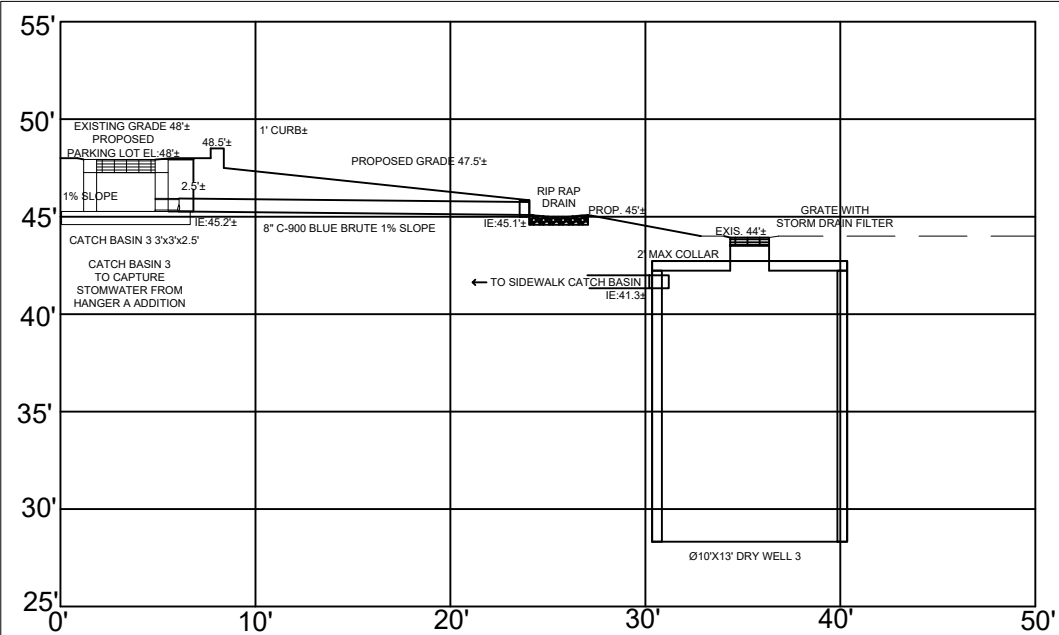
100% PLAN DESIGN

C5

BY

DATE

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DEPARTMENT OF THE AIR FORCE
106 CIVIL ENGINEER SQUADRON
GABRESKI
AIR NATIONAL GUARD BASE

**GABRESKI
BUILDING 424
PARKING AREA**

100% PLAN DESIGN

6

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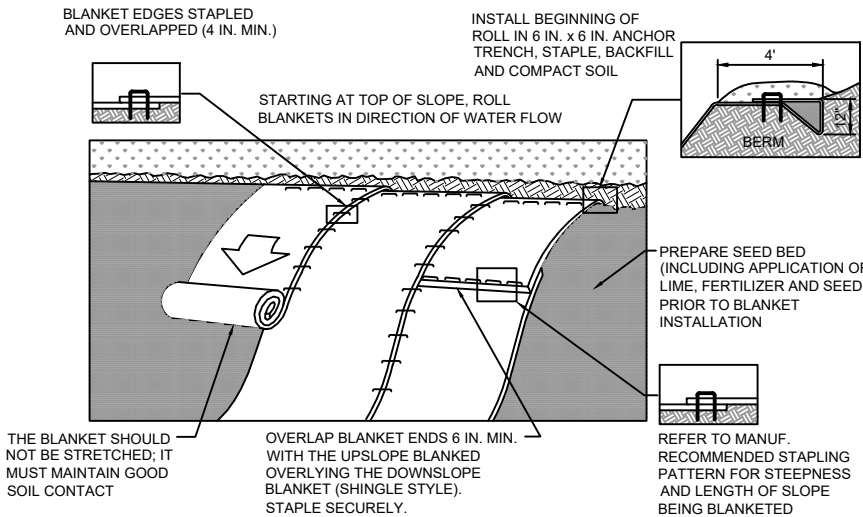
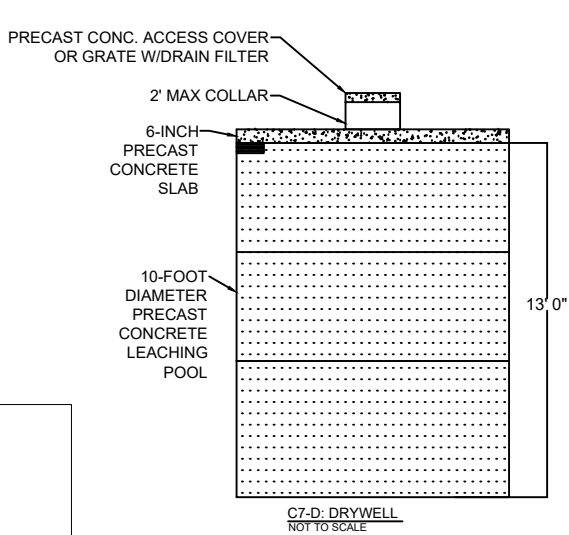
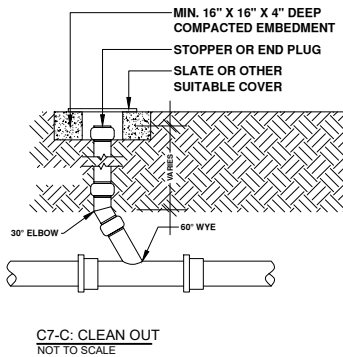
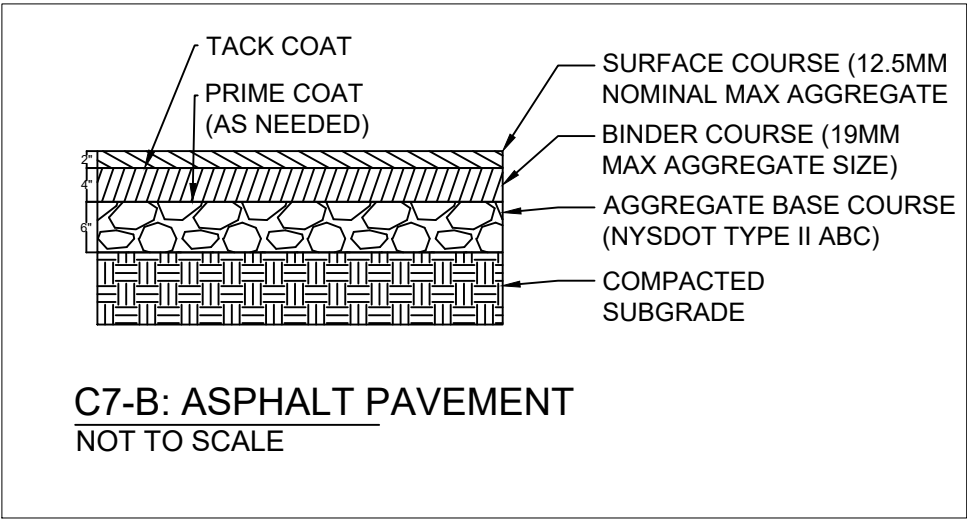
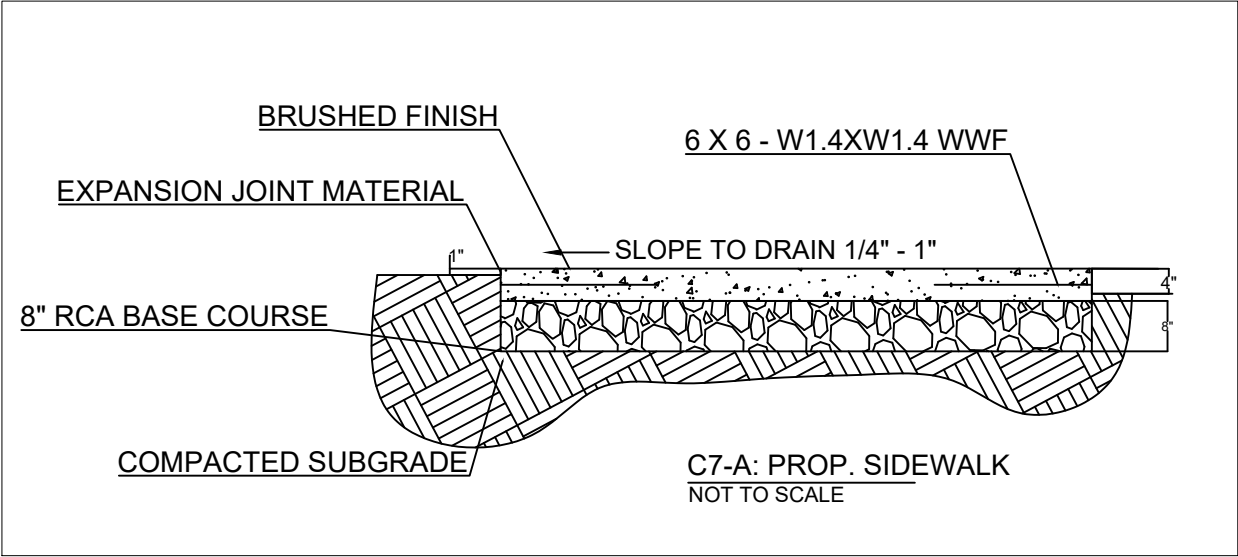
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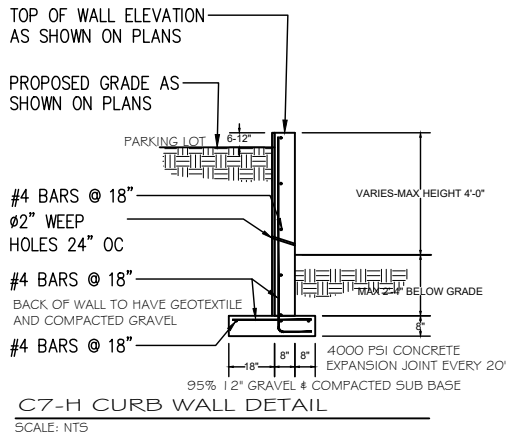
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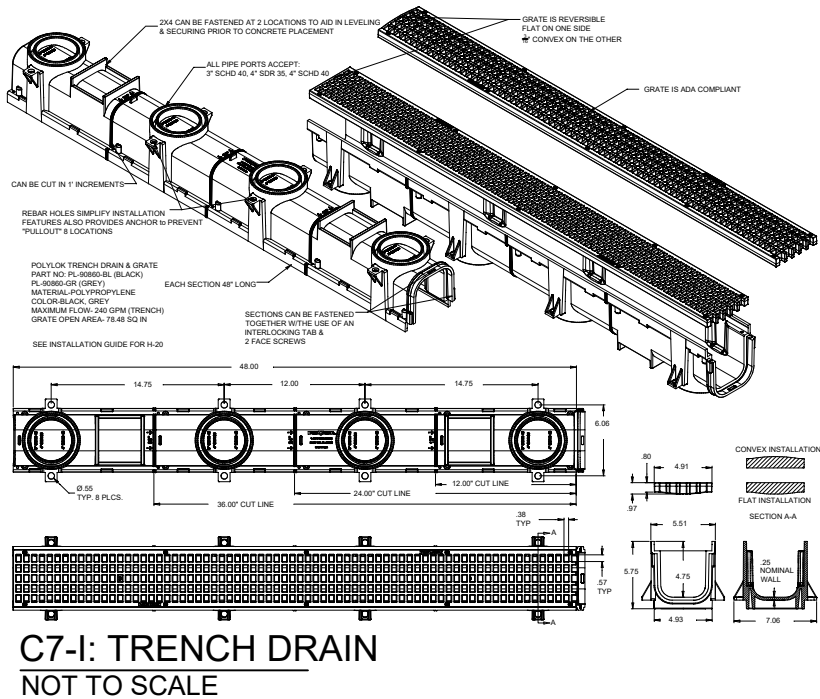
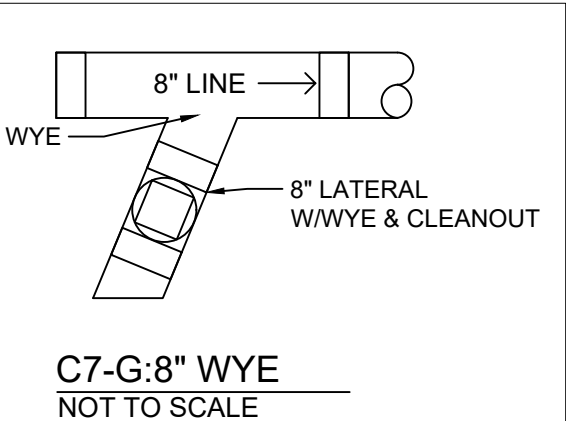
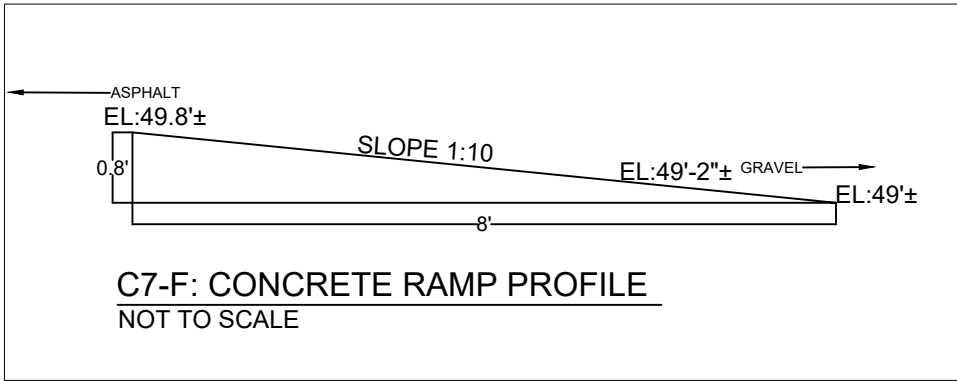
SHEET NUMBER
9 of 13



- EROSION CONTROL BLANKET NOTES:**
- SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO THE RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING THE BLANKET.
 - PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.
 - SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.
 - BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.
 - THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 - BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.
 - IF SANDWICHING FOR GRADE BUILD UP BLANKETS ENSURE 1' OF COVER BETWEEN BLANKETS



- DRYWELL POOL NOTES**
- 10-FOOT DIAMETER X 13-FOOT DEEP PRECAST CONCRETE DRYWELLS.
 - MINIMUM 13-FOOT EFFECTIVE DRYWELL DEPTH OF POOL.
 - 6-INCH PRECAST CONCRETE SLAB COVER WITH CONCRETE LID OR SURFACE GRATE WITH DRAIN FILTER.
 - MINIMUM BURY DEPTH OF COVER 12-INCH TO GRADE, MAXIMUM 24-INCH.
 - EACH DRYWELL HAS A STORAGE CAPACITY OF 33 CY±. 3X DRYWELLS TOTAL OF 99 CY
- SOIL CONDITION STATEMENT**
- DRYWELL TO BE PLACED IN CLEAN SAND AND GRAVEL ONLY (SP, SW).
 - SP/SW SAND STARTS 6" FROM SURFACE
 - SOIL CONDITIONS MAY VARY AND NEED TO BE CONFIRMED IN FIELD AT TIME OF INSTALLATION.
 - 3' OF SP/SW SOIL TO SURROUND BOTTOM AND SIDES OF DRYWELL. REMOVE AND REPLACE NATIVE SOIL AS NECESSARY.



DEPARTMENT OF THE AIR FORCE
106 CIVIL ENGINEER SQUADRON
GABRESKI
AIR NATIONAL GUARD BASE

GABRESKI
BUILDING 424
PARKING AREA



100% PLAN DESIGN

C7

BY

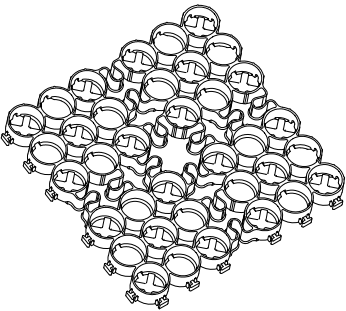
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REVISION

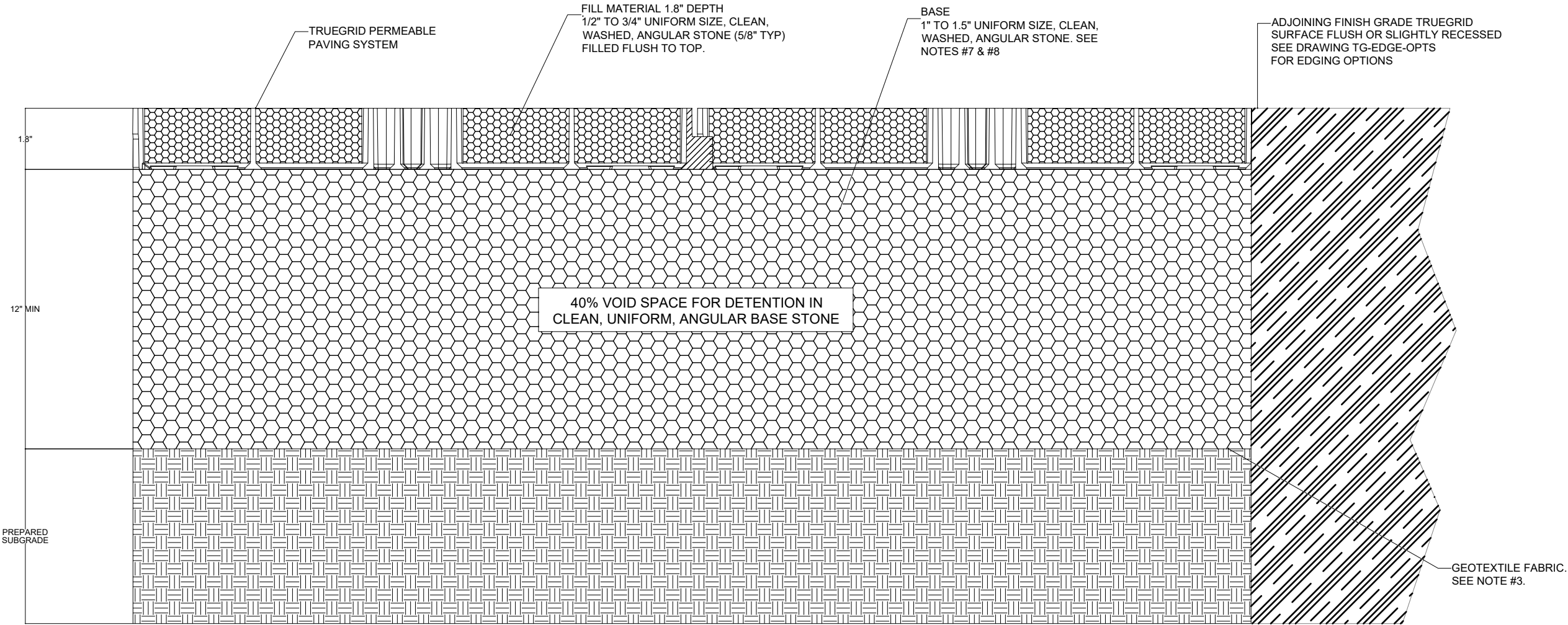
CHECKED BY	PROJECT NUMBER	DATE	PAPER SIZE
ENGINEERING	GABRESKI AND 2025_103RS_PARKING LOT DWG	2026-04-25	ANSI B
		SCALE	SHEET NUMBER
		NTS	10 OF 13

NOTES:

1. BASE DEPTH AND PREPARATION IS DEPENDENT ON SITE CONDITIONS PLUS LOADING REQUIREMENTS.
2. THE TRUEGRID PRO PLUS PRODUCT EXCEEDS H-20/HS-20 COMPRESSION LOAD TESTING. CHECK OTHER SITE CONDITIONS AND SYSTEM COMPONENT REQUIREMENTS TO MEET H-20/HS-20 LOADING..
3. GEOTEXTILE FABRIC RECOMMENDED AND MAY BE REQUIRED BETWEEN SUB-GRADE & BASE FOR CERTAIN SOILS AND SITE SPECIFIC REQUIREMENTS.
4. INCREASE BASE DEPTH FOR INCREASED STORM WATER DETENTION.
5. NO STAKING NECESSARY WITH TRUEGRID PRO PLUS WHEN SLOPE IS BELOW 3 DEGREES. ASSESS PROJECT, AS NEEDED.
6. TRUEGRID PRO PLUS IS ADA COMPLIANT WITH PROPER FILL MATERIAL.
7. FINAL ENGINEERED CROSS SECTION AGGREGATES AND DEPTH SHOULD ALLOW FOR EXPECTED INFILTRATION RATES, STORAGE CAPACITIES, OUTLET FLOW RATES, AND OTHER SITE SPECIFIC CONDITIONS AND LOAD REQUIREMENTS. TO BE COMPLETED BY SITE SPECIFIC ENGINEER.
8. DENSLY GRADED BASE MATERIAL (TYP. ROAD BASE) SUBSTUTION USE PER SITE SPECIFIC ENGINEER.
9. THIS CROSS SECTION IS FOR INFORMATION ONLY.



TRUEGRID BLOCK REFERENCE VIEW
PREASSEMBLED & DELIVERED IN 4' X 4' SHEET. RECONFIGURED AS NEEDED.NO EXTRA TOOLING OR ACCESSORIES REQUIRED



APPLICATION:
PARKING LOT, FIRE LANES, EQUIPMENT
YARD, SERVICE ROADS.

TYPICAL COMMERICAL VEHICLE GRAVEL FILL TRUEGRID PRO PLUS

06	UPDATED FILL MATERIAL & BASE NOTES	ANGULERIS TECHNOLOGIES	TRUEGRID	TRUEGRID	7/1/2024
REV		DRAWN	CHECKED	APPROVED	DATE
REVISION					

MANUFACTURED IN NORTH AMERICA		CLIENT / PROJECT	
1-855-355-4743		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES	
TRUEGRIDPAVER.com		DO NOT SCALE DRAWING	

APPROVAL INFORMATION		TRUEGRID PRO PLUS GRAVEL FILL TYPICAL COMMERCIAL VEHICLE	
DRAWN BY: J. Thethy	DATE: 6/1/2015	TRUEGRID PRO PLUS GRAVEL FILL TYPICAL COMMERCIAL VEHICLE	
CHECKED BY: TRUEGRID	DATE: 6/2/2015	TRUEGRID PRO PLUS GRAVEL FILL TYPICAL COMMERCIAL VEHICLE	
APPROVED BY: C. White	DATE: 6/2/2015	TRUEGRID PRO PLUS GRAVEL FILL TYPICAL COMMERCIAL VEHICLE	
WEIGHT:	SCALE: 1:1.5	SHEET 1 OF 1	

SIZE: D	DRAWING NUMBER: TG-GRV-HL	REV: 06
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C8-A: GEOGRID
NOT TO SCALE

DEPARTMENT OF THE AIR FORCE
106 CIVIL ENGINEER SQUADRON
GABRESKI
AIR NATIONAL GUARD BASE

GABRESKI
BUILDING 424
PARKING AREA



100% PLAN DESIGN

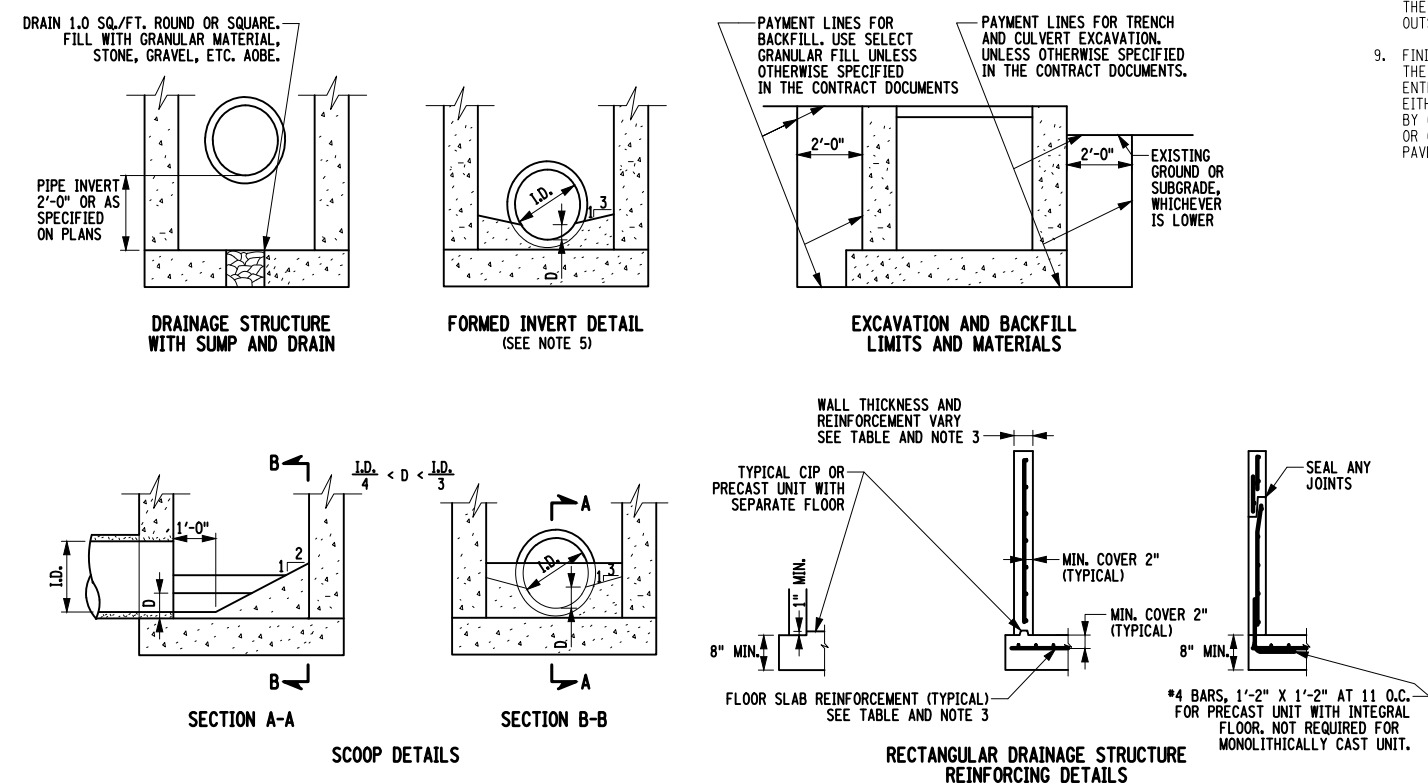
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CHECKED BY: ENGINEERING	PROJECT NUMBER: 2026-04-25	PAPER SIZE: ANSI B
DRAWING FILE NAME: GABRESKI ANG 2025 - 106RS_PARKING LOT DWG	SCALE: NTS	SHEET NUMBER: 11 OF 13

BY

DATE

REVISION



1. DRAINAGE STRUCTURES SHALL BE CAST IN PLACE OR PRECAST UNITS. ROUND DRAINAGE STRUCTURES SHALL BE PRECAST ONLY. ALL CAST IN PLACE CONCRETE SHALL BE CLASS A. THE CONTRACTORS SHALL SUBMIT WORKING DRAWINGS FOR REVIEW AND APPROVAL OF ANY CHANGES TO THE STRUCTURES SHOWN ON THE STANDARD SHEETS OR CONTACT PLANS, OTHER THAN MINOR CHANGES APPROVED BY THE ENGINEER. USE OF FLAT SLAB TOPS ON ROUND PRECAST UNITS SHALL REQUIRE SUBMISSION OF WORKING DRAWINGS.
2. SEE PLANS FOR ELEVATIONS, DRAINAGE STRUCTURE LOCATIONS, TYPE OF GRATE UTILIZED, LOCATION OF SCOOPS, FORMED INVERTS, SUMPS AND DRAINS.
3. REINFORCEMENT FOR RECTANGULAR DRAINAGE UNITS (CAST IN PLACE OR PRECAST) BAR REINFORCEMENT INDICATED FOR RECTANGULAR TOP SLABS, RISERS AND BASES SHALL BE GRADE 60. WIRE FABRIC FOR CONCRETE REINFORCEMENT SHALL MEET THE REQUIREMENTS OF \$709-02. RISER REINFORCEMENT SHALL BE PLACED SO IT WILL HAVE A MINIMUM COVER OF 2" BUT NO MORE THAN 4" FROM THE INSIDE FACE. THE REINFORCEMENT SHALL EXTEND COMPLETELY AROUND THE DRAINAGE STRUCTURE RISER AND SHALL BE LAPPED AND TIED. BASE REINFORCEMENT SHALL BE PLACED ABOVE THE MIDPOINT OF SLAB AND SHALL HAVE A MINIMUM CONCRETE COVER OF 2".
4. ROUND ALTERNATIVE:
WHEN SPECIFIED BY PAYMENT ITEM, THE CONTRACTOR MAY SUBSTITUTE ROUND, PRECAST DRAINAGE STRUCTURES IN PLACE OF RECTANGULAR STRUCTURES USING SIZES INDICATED IN THE "SELECTION TABLE FOR ALTERNATE ROUND DRAINAGE STRUCTURES" ON SHEET 4 OF 4. THE RISER, TOP SLAB, AND BOTTOM SLAB FOR THE ROUND ALTERNATE SHALL BE MANUFACTURED IN ACCORDANCE WITH THE PROVISIONS OF \$706-04 OF THE STANDARD SPECIFICATIONS. WORKING DRAWINGS FOR THE ROUND ALTERNATES SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL, UNLESS THE ROUND ALTERNATE PROPOSED HAS BEEN PREVIOUSLY APPROVED. FOR PREVIOUSLY APPROVED ROUND UNITS THE CONTRACTOR SHALL SUBMIT A COPY OF THE APPROVED DRAWINGS TO THE ENGINEER.
5. FORMED INVERTS:
FORMED INVERTS, SCOOP AND SUMPS SHALL BE PROVIDED AND INCLUDED IN THE PRICES BID FOR DRAINAGE STRUCTURES CALLED FOR IN THE CONTRACT DOCUMENTS. WHEN NON-CIRCULAR PIPES ARE USED, THE FORMED INVERT AND SUMP DETAILS SHALL BE MODIFIED TO FIT THE INVERTS.
6. GRATES:
CAST FRAMES MAY HAVE EITHER RETICULINE OR PARALLEL BAR GRATES, AND WELDED FRAMES MAY HAVE EITHER RETICULINE OR RECTANGULAR GRATES. IF NO GRATE IS SPECIFIED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR MAY FURNISH EITHER TYPE. GRATES SHALL BE INSTALLED SO THAT THE LENGTH OF THE GRATE IS PARALLEL TO THE SURFACE FLOW.
7. WALL OPENINGS:
RECTANGULAR DRAINAGE STRUCTURES SHOWN ON THESE STANDARD SHEETS SHOULD NEVER HAVE CORNER PIPE ENTRIES. IF PIPE ALIGNMENT WOULD REQUIRE A CORNER ENTRY, USE A ROUND DRAINAGE STRUCTURE OR USE A SPECIAL DRAINAGE STRUCTURE. ALL WALL OPENINGS SHALL BE FORMED COMPLETELY THROUGH THE WALL SECTION. CIRCULAR WALL OPENINGS SHALL BE FORMED FOR EACH CIRCULAR PIPE ENTERING PERPENDICULAR TO THE WALL. WHEN NON-CIRCULAR PIPES ARE SPECIFIED, OR ROUND PIPE ENTRIES ARE SKEWED, RECTANGULAR OPENINGS MAY BE USED. THE CLEARANCE BETWEEN THE OUTSIDE OF THE PIPE AND THE OPENING SHALL BE AT LEAST 2" BUT NO MORE THAN 3". THIS CLEARANCE SHALL BE MEASURED BETWEEN THE OUTSIDE OF THE PIPE AND NEAREST POINT ON THE RECTANGULAR OPENING. IF A CORNER HAS PIPE ENTRIES ON BOTH SIDES, AND THERE IS LESS THAN 2" BETWEEN EITHER OPENING AND THE CORNER, THEN THAT SECTION OF THE DRAINAGE STRUCTURE MUST HAVE 8" THICK WALLS.
8. MONOLITHIC AND INTEGRAL BASES MAY HAVE A MAXIMUM VERTICAL DRAFT OF 1/2" ON ALL INTERIOR DIMENSIONS, TO FACILITATE FORM REMOVAL. FOR WALL OPENINGS THAT EXTEND THE FULL WIDTH OR LENGTH OF THE STRUCTURE, THE MINIMUM CLEARANCE BETWEEN THE OUTSIDE OF THE PIPE AND THE WALL OPENING SHALL BE 1/2".
9. FINISHING PIPE ENTRIES:
THE BELLS OF CONCRETE PIPE SHALL BE CUT OFF AT EVERY PIPE ENTRY WHERE THE BELL ENTERS A STRUCTURE. CONNECTIONS BETWEEN THE STRUCTURE AND PIPE SHALL BE MADE BY EITHER USING A RESILIENT CONNECTOR MEETING THE REQUIREMENTS OF ASTM C1478 OR BY COMPLETELY FILLING THE SPACE AROUND EACH PIPE WITH CONCRETE GROUTING MATERIAL OR CONCRETE REPAIR MATERIAL. IN CASE OF LARGE SPACES AROUND PIPES, CONCRETE PAVERS, COMPLETELY BEDDED IN GROUT OR CONCRETE REPAIR MATERIAL, MAY BE USED.


10. TOP SLAB AND/OR FRAME AND GRATE ADJUSTMENT
A MINIMUM OF 1/4" OF BEDDING SHALL BE PLACED BETWEEN RISERS AND PRECAST TOP SLABS. GRADE ADJUSTMENT FOR TOP SLABS AND/OR FRAMES AND GRATES OF UP TO 2 1/4" SHALL BE MADE WITH BEDDING MATERIAL MEETING THE REQUIREMENTS OF CONCRETE GROUTING MATERIALS OR CONCRETE REPAIR MATERIAL. GRADE ADJUSTMENT FOR TOP SLABS AND/OR FRAMES AND GRATES OF UP TO 6" SHALL BE MADE WITH A COMBINATION OF PRECAST CONCRETE PAVERS AND BEDDING MATERIALS. GRADE ADJUSTMENT FOR TOP SLABS AND/OR FRAMES AND GRATES OF UP TO 1'-0" SHALL BE MADE WITH CAST-IN-PLACE CONCRETE OR A COMBINATION OF PRECAST CONCRETE ADJUSTMENT ELEMENTS AND BEDDING MATERIALS. ALTERNATELY, GRADE ADJUSTMENTS FOR FRAMES AND GRATES OF UP TO 2" MAY BE MADE WITH RECYCLED RUBBER ELEMENTS OR UP TO 3" WITH HDPE ELEMENTS. RECYCLED RUBBER AND HDPE ELEMENTS SHALL BE PRODUCTS APPROVED BY THE MATERIALS BUREAU AND SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
11. STEPS:
MANHOLE STEPS SHALL BE REQUIRED IN ALL DRAINAGE STRUCTURES DEEPER THAN 4'-0".
12. CORBELED OR CONICAL RISER SECTIONS AND FLAT SLAB REDUCERS:
ROUND PRECAST DRAINAGE STRUCTURES OR MANHOLES (WHEN ALLOWED OR SPECIFIED) MAY BE FITTED WITH CONCENTRIC OR ECCENTRIC CONICAL SECTIONS TO REDUCE THEIR DIAMETERS, PROVIDED THE USE OF SUCH DEVICES IS COMPATIBLE WITH THE DRAINAGE SYSTEM DESIGN. THE CONTRACTOR SHALL SUBMIT WORKING DRAWINGS FOR REVIEW AND APPROVAL OF FLAT SLAB REDUCERS FOR ROUND OR RECTANGULAR STRUCTURES, A WALL SECTION WITH A HEIGHT LESS THAN 6" BETWEEN THE TOP OF THE HIGHEST PIPE ENTRY AND THE BOTTOM OF A CONICAL SECTION OR FLAT SLAB REDUCER SHALL NOT BE PERMITTED.
13. WHEN PIPE LOCATIONS PROVIDE FOR LESS THAN 8" BETWEEN THE TOP OF THE UPPERMOST PIPE AND THE TOP OF THE RISER AND THE STRUCTURE MAY BE SUBJECT TO HIGHWAY LOADS, CONTACT STRUCTURES DIVISION FOR A SPECIAL DESIGN.
14. WHEN SITE CONDITIONS REQUIRE A DRAINAGE STRUCTURE TO BE INSTALLED TO A DEPTH GREATER THAN THAT SHOWN IN THE CONTRACT DOCUMENTS, AN INSTALLATION TOLERANCE OF 8" IS PERMITTED WITHOUT REQUIRING AN INCREASE IN WALL THICKNESS OR REINFORCING STEEL AS REQUIRED BY THE DRAINAGE STRUCTURE REINFORCEMENT TABLE.
15. THE PAY ITEMS FOR DRAINAGE STRUCTURES SPECIFY THE STRUCTURE AND FRAME, DRAINAGE STRUCTURE ITEM NUMBERS:
RECTANGULAR DRAINAGE STRUCTURE ITEM 604.30XXYY
RECTANGULAR DRAINAGE STRUCTURE WITH ROUND OPTION ITEM 604.31XXYY
RECTANGULAR DRAINAGE STRUCTURE WITH CONCRETE CAP ITEM 604.32XXYY
SEE TABLES BELOW FOR XX AND YY CODES.
EXAMPLE: 604.300706 - RECTANGULAR STRUCTURE TYPE G WITH TYPE 6 WELDED FRAME (SEE SHEET 4 OF 4 FOR ITEM NUMBERS FOR STRUCTURE TYPE G, R, S, T, AND U)

DRAINAGE STRUCTURE REINFORCEMENT		
HEIGHT "A"	WALL THICKNESS	RISER REINFORCEMENT (SEE NOTE 3 AND 15)
UP TO 7'-0"	6" 8"	6"X6"- W6 X W6 OR #3 BARS AT 10" BOTH HORIZ. AND VERT. UNREINFORCED
7'-0" TO 14'-0"	8"	6"X6"- W8.5 X W8.5 OR #3 BARS AT 8" BOTH HORIZ. AND VERT.
14'-0" TO 21'-0"	8"	4"X4"- W8.5 X W8.5 OR #3 BARS AT 5" BOTH HORIZ. AND VERT.
FLOOR SLAB REINFORCEMENT (SEE NOTE 3)		
UP TO 7'-0"		6"X6"- W11 X W11 OR #3 BARS AT 6" IN BOTH DIRECTIONS
7'-0" TO 14'-0"		4"X4"- W11 X W11 OR #3 BARS AT 4" IN BOTH DIRECTIONS
14'-0" TO 21'-0"		4"X4"- W14 X W14 OR #3 BARS AT 3" IN BOTH DIRECTIONS

*T MAY BE 6" OR 8" FOR THE FIRST 7'-0". EXCEPTIONS ARE SIZE S, T, AND U WITH CURB, RECTANGULAR STRUCTURES WITH ROUND MANHOLE OPENING, OR IF THERE IS LESS THAN 2" ON EITHER SIDE OF A CORNER. (NOTE 7) WHICH MUST HAVE 8" THICK WALLS.

STRUCTURE SIZES AND PAY CODES			
STRUCTURE TYPE	INSIDE DIMENSIONS		PAY ITEM XX CODE
	WIDTH	LENGTH	
A	3'-0"	3'-0"	01
B	4'-0"	3'-0"	02
C	5'-0"	3'-0"	03
D	6'-8"	3'-0"	04
E	3'-0"	4'-0"	05
F	4'-0"	4'-0"	06
G	5'-0"	4'-0"	07
H	6'-8"	4'-0"	08
I	3'-0"	5'-0"	09
J	4'-0"	5'-0"	10
K	5'-0"	5'-0"	11
L	6'-8"	5'-0"	12
M	3'-0"	6'-8"	13
N	4'-0"	6'-8"	14
O	5'-0"	6'-8"	15
P	6'-8"	6'-8"	16

FRAMES AND PAY CODES	
FRAME TYPE	PAY ITEM YY CODE
WELDED 3	03
WELDED 6	06
WELDED 11	11
WELDED 16	16
WELDED 22	22
MANHOLE 2'-8"	32
CAST F1	71
CAST F2	72
CAST F3	73
PARALLEL BAR 10PCB	90
PARALLEL BAR 11PCB	91
PARALLEL BAR 12PCB	92

	<p>STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION</p>
<p>U.S. CUSTOMARY STANDARD SHEET</p>	
<p>DRAINAGE STRUCTURE DETAILS (SHEET 1 OF 4)</p>	
<p>APPROVED: NOVEMBER 28, 2012</p> <p>/S/ RICHARD W. LEE, P.E.</p> <p>DEPUTY CHIEF ENGINEER (DESIGN)</p>	<p>ISSUED UNDER EB 12-044</p> <p>604-02</p>

C10-A: CATCH BASIN
NOT TO SCALE