

ROBERT LAGA
Chairman

NICHOLAS FANNIN
Vice Chairman

RICHARD FRANZETTI, P.E.
Wetland Inspector

ROSE TROMBETTA
Secretary

TOWN OF CARMEL
ENVIRONMENTAL CONSERVATION BOARD



60 McAlpin Avenue
Mahopac, New York 10541
Tel. (845) 628-1500 - Ext. 190
www.ci.carmel.ny.us

BOARD MEMBERS

Edward Barnett
Anthony Federice
Nicole Sedran

ENVIRONMENTAL CONSERVATION BOARD AGENDA

MARCH 16, 2023 – 7:30 P.M.

PUBLIC HEARING

<u>APPLICANT</u>	<u>ADDRESS</u>	<u>TAX MAP #</u>	<u>COMMENTS</u>
1. Bullet Hole Farms, Inc.	360 Bullet Hole Road	53.17-1-39	Tree Harvesting

SUBMISSION OF AN APPLICATION OR LETTER OF PERMISSION

2. NYCDEP West Branch Auxiliary Dam	34 Drewville Road	65.-1-5	Site Plan (Planning Board Referral)
3. Kilmer, Brian	156 Crane Road	54.14-1-37	1020 Sq. Ft Slab for Carport

MISCELLANEOUS

4. Minutes – 02/16/23

**EAST-WEST FORESTRY ASSOCIATES
CONSULTING FORESTERS
22 DEANA LOOP
LAGRANGEVILLE NY 12540
(845)226-2628**

March 8, 2023

Environmental Conservation Board
Town of Carmel
Town Hall
Mahopac, NY 10541

RE: Application for Tree Cutting Permit for Bullet Hole Farm

Dear Environmental Conservation Board:

At your request, I have reviewed the application materials submitted by Chris Prentis of Lower Hudson Forestry Services for the above referenced project. I have also reviewed additional documentation provided to me by Mr. Prentis including the NYSDED Article 24 permit and his letter to the ECB dated 12/12/22. I also walked the project site today, Wednesday (3/8). The following report addresses my findings and recommendations concerning this project in relation to the guidelines found in the town code.

My review shows that this project has been professionally planned and laid out on the site, and that it can be accomplished in an environmentally sound manner with certain precautions. The key concern is that the project be undertaken with the proper ground and weather conditions to avoid site disturbances which could lead to erosion problems. Ground conditions at the time of my inspection were acceptable for the planned project. Inspections during the actual work period are recommended to assess changing conditions and to catch any developing problem areas. The anticipated time frame for the project is starting this spring with acceptable ground and weather conditions, and lasting approximately eight weeks.

The proposed project would have little impact on the community due to the location of the property. The property is located to the north of Bullet Hole Road. The parcel is 87 acres with a 53 acre harvest area. The designated harvest area is surrounded by other woodlands and a large wetland to the east. There are no residences or developed properties immediately adjacent to the harvest area. The boundaries of the sale area have been marked by Lower Hudson Forestry Services with triple slashes of blue paint on border trees. The one hundred foot buffer of the designated wetland has also been marked with blue flagging and no trees will be cut within this buffer area.

The following section details my findings, concerns and recommendations for the project, pertaining to each of the eight listed guidelines in the town code.

1. Stream crossings - There is one stream which crosses through the southern portion of the harvest area and the main logging road will cross over this stream in one location. The applicant has obtained a permit through the NYSDEC to allow the crossing of this stream for logging purposes and a temporary bridge will be placed here at the beginning of the project, and removed at the end. The NYSDEC Article 24 permit allowing this operation has extensive conditions that will need to be followed by the applicant to protect the site.

2. Cutting and skidding near streams - No concerns.

3. Road locations - The main skid trails proposed for this operation are shown on the applicant's map. These proposed trails appear to be well placed and I don't have any concerns with their layouts. Water diversions should be constructed as necessary during the work and at project completion to prevent any erosion problems. The applicant states that they will be using Watershed Agricultural Council (WAC) cost share funds to assist with this work and other BMP (Best Management Practices) measures. These erosion control measures will require approval from WAC before providing the funds. Certain erosion control measures pertaining to the stream crossing area will also require approval from NYSDEC as detailed in the approved permit.

4. Steep slopes – Although the property does slope uphill to the north, there are no areas of the project site with steep slopes. The removal of trees on these slopes should not be a problem with proper ground conditions, well constructed logging roads and with proper operation of the logging equipment. The condition of the skid trails and erosion control measures should be monitored during the work.

5. Landing areas - The proposed landing is located at the south end of the property adjacent to Bullet Hole Road. This location and the temporary entrance to the town road has been approved by the town Highway Department. I have no concerns with the landing area. The application states that the landing area will be seeded at project completion and all roads will be smoothed, leveled and protected with waterbars, and this should be adequate reclamation.

6. Landing locations - No concerns.

7. Protection of roads - Log trucks will exit the landing area onto Bullet Hole Road to the west. - No concerns.

8. Buffer Zones - No buffer zones are necessary on the project perimeter as there are no adjacent developed properties. As previously stated, there is an established buffer area along the designated wetland as required by the NYSDEC permit.

9. Endangered Species Concern - The applicants review for endangered species revealed that Northern long-eared bat is found within four and one half miles of the project area. The NYSDEC provided guidelines and requirements for the protection of this species during the project, and the applicant has included these materials with the application. The applicant states that the commercial thinning will be conducted within the listed parameters.

Recommendations: I would recommend requiring the following as conditions of any permit.

1. The board, through their inspector, will approve the start up of the project based on existing ground conditions. The inspector could temporarily stop the project in the case of poor weather and/or ground conditions.

2. The board's inspector would perform certain inspections for compliance with the permit during operations

A. Periodic inspections to confirm:

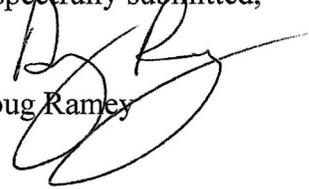
1. Landing area, logging road layout, construction and maintenance
2. Ground and weather conditions

B. Final inspection to confirm:

1. Road grading, landing reclamation and erosion control

It is my opinion that this project can be successfully accomplished with minimum environmental impacts by following these guidelines and recommendations including the NYSDEC permit stipulations and the WAC erosion control specifications.

Respectfully submitted,


Doug Ramey

cc. Chris Prentis



**Environmental
Protection**

Rohit T. Aggarwala
Commissioner

Ana Barrio
Deputy Commissioner
Bureau of Engineering
Design & Construction

Sean McAndrew, P.E.
Executive Director
Water System Capital
Program

16 Little Hollow Road
Grahamsville, NY 12740

Tel. (845) 334-7195
Fax (845) 985-2282
mcandrews@dep.nyc.gov

March 7, 2023

Town of Carmel
Environmental Conservation Board
Attn: Rose Trombetta
60 McAlpin Avenue
Mahopac, NY 10541

RE: CRO-534: West Branch Reservoir Auxiliary Dam (Putnam County)

New York City Department of Environmental Protection
Bureau of Engineering, Design and Construction
Town of Carmel Environmental Conservation Board Comment Response

Dear Environmental Conservation Board Members,

The New York City Department of Environmental Protection (DEP) received comments from the Town of Carmel's Environmental Conservation Board (ECB) during a meeting held on March 2, 2023. The following responses have been prepared to address the comments received during the meeting and the requested supplemental information is enclosed.

ECB Comments

Comment 1: How large is the wetland (identified as Wetland #1 in Site Plan Application) to be removed at the toe of the dam?

Response 1: Wetland #1 area is 2,351 sq.ft. In discussion with NYSDEC, this wetland does not fully meet the definition of a jurisdictional wetland as it is a stone-lined seepage drainage feature that collects water between the dam and a site access road. It is drained by two pipes that outlet to jurisdictional Wetland #2.

Comment 2: Please provide any stipulations received from NYSDEC re: removal of Wetland #1.

Response 2: NYSDEC permit attached. The permit is silent regarding removal of Wetland #1 and does not require any wetland mitigation.

Comment 3: The ECB noted that equipment stored within the wetland boundary should be parked on 6 mil poly sheeting to mitigate potential fluid leaks.

Response 3: Specification 01 35 27 – Environmental Health and Safety Requirements includes the requirement for the Contractor to submit a Spill

Prevention Program, which includes prevention of releases of petroleum. Specification attached.

Comment 4: The ECB noted that the contractor should avoid re-fueling their equipment within the wetland boundary, if possible. They requested that DEP prepare a Fueling Plan to document contractor requirements for equipment fueling on site.

Response 4: DEP requires contractor to prepare Spill Prevention Program for review and approval. DEP will add this requirement to Specification 01 35 27.

Comment 5: The ECB asked how many trees will be planted at the site entrance?

Response 5: Nineteen (19) trees and (71) shrubs will be planted at the site entrance. An additional two (2) trees and (17) shrubs will be planted in/adjacent to the bioretention swale. The planting schedules are shown on drawings C-033, C-049, L-005 and L-006.

Comment 6: The ECB requested that the wetland delineation flags be refreshed.

Response 6: DEP will refresh the flags.

Comment 7: The ECB requested that Town of Carmel permanent wetland markers be placed at 100' min intervals between Wetland #2 and the site access road, and between Wetland #3 and the dam. Details for the markers are available from Rose Trombetta.

Response 7: DEP will add permanent wetland markers to the contract plans.

Comment 8: The ECB asked if silt fence and a turbidity curtain will be used adjacent to the roadway (Route 6).

Response 8: Silt fence and turbidity curtain layout and details are included in the application on drawings C-042, C-046, C-047 and C-048.

Comment 9: The ECB stated that DEP's Construction Manager should have a qualified wetland scientist on site to monitor the work within and restoration of the wetlands.

Response 9: DEP will require the CM to have the requested staff on site.

Comment 10: The ECB noted that the Contractor will be required to provide certificates that imported fill is clean.

Response 10: DEP stated that the project specifications include this requirement.

Comment 11: The ECB requested information about the seed mix to be used to restore the disturbed wetland areas.

Response 11: The planting mixes for wetland restoration are listed on drawing C-045 and include Ernst Floodplain Mix plus Grain Rye and Ernst Riparian Buffer plus Grain Rye or approved equal.

Comment 12: The ECB requested a copy of the SWPPP.

Response: SWPPP attached. DEP approval of SWPPP is included in application.

Should there be questions or additional information required to process this application, please contact Linda Singh (Deputy Portfolio Manager) at 917-207-9477 or via e-mail at LindaSi@dep.nyc.gov.

Very truly yours,

A handwritten signature in cursive script that reads "Paul Costa".

Paul Costa, P.E.
Portfolio Manager

cc. L. Singh, DEP
D. DeKoskie, DEP
J. Fitzsimmons, DEP
S. Salzberg, DEP
E. LeClair, CDM Smith

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Permits, Region 3
21 South Putt Corners Road, New Paltz, NY 12561-1620
P: (845) 256-3054 | F: (845) 255-4659
www.dec.ny.gov



Department of
Environmental
Conservation

IMPORTANT NOTICE TO ALL PERMITTEES

The permit you requested is enclosed. Please read it carefully and note the conditions that are included in it. The permit is valid for only that activity expressly authorized therein; work beyond the scope of the permit may be considered a violation of law and be subject to appropriate enforcement action. Granting of this permit does not relieve the permittee of the responsibility of obtaining any other permission, consent or approval from any other federal, state, or local government which may be required.

Please note the expiration date of the permit. Applications for permit extension should be made well in advance of the expiration date (minimum of 30 days) and submitted to the Regional Permit Administrator electronically via email to dep.r3@dec.ny.gov. Submission of hard copies is optional.

The DEC permit number & program ID number noted on page 1 under "Permit Authorization" of the permit are important and should be retained for your records. These numbers should be referenced on all correspondence related to the permit, and on any future applications for permits associated with this facility/project area.

If a permit notice sign is enclosed, you must post it at the work site with appropriate weather protection, as well as a copy of the permit per General Condition 1.

If you have any questions on the extent of work authorized or your obligations under the permit, please feel free to contact me.

Chris Lang

Chris Lang
Division of Environmental Permits,
Region 3



Department of
Environmental
Conservation



PERMIT
Under the Environmental Conservation Law (ECL)

Permittee and Facility Information

Permit Issued To:

NYC DEPT OF ENVIRONMENTAL
PROTECTION
96-05 HORACE HARDING EXPY FL 5
CORONA, NY 11368
(718) 595-4906

Facility:

WEST BRANCH AUXILIARY DAM CRO-534

WEST BRANCH RESERVOIR
CARMEL, NY 10512

Facility Location: in CARMEL in PUTNAM COUNTY

Facility Principal Reference Point: NYTM-E: 608.159 NYTM-N: 4583.972
Latitude: 41°24'00.1" Longitude: 73°42'22.0"

Authorized Activity: This permit authorizes improvements to the West Branch Auxiliary Dam (NYS ID: 231-0511B), and disturbances to Freshwater Wetland LC-30, its 100-foot adjacent area, and Crafts Brook [DEC Waters Index No. H-31-P44-23-1, Class C(T)] associated with the NYCDEP West Branch Reservoir Auxiliary Dam Slope Improvements Project. This project includes flattening/stabilizing the downstream slope, installing drainage infrastructure, and reconstructing US Route 6 which is carried over the dam crest.

Permit Authorizations

Dam - Under Article 15, Title 5

Permit ID 3-3720-00447/00001

New Permit

Effective Date: 1/20/2023

Expiration Date: 12/31/2029

Freshwater Wetlands - Under Article 24

Permit ID 3-3720-00447/00002

New Permit

Effective Date: 1/20/2023

Expiration Date: 12/31/2029

Stream Disturbance - Under Article 15, Title 5

Permit ID 3-3720-00447/00004

New Permit

Effective Date: 1/20/2023

Expiration Date: 12/31/2029

NYSDEC Approval

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, and all conditions included as part of this permit.

Permit Administrator: CHRISTOPHER LANG, Deputy Regional Permit Administrator

Address: NYSDEC Region 3 Headquarters
 21 S Putt Corners Rd
 New Paltz, NY 12561



Authorized Signature: _____

Date ___/___/___

Distribution List

Jennifer Ross, DEC Dam Safety
Sarah Pawliczak, DEC Ecosystem Health
Town of Carmel
Brian Orzel, USACE
Linda Singh, NYCDEP
Paul Costa, NYCDEP
Maria Tupper-Goebel, NYCDEP
Joe Damrath, NYCDEP
Erik LeClair, CDM Smith

Permit Components

NATURAL RESOURCE PERMIT CONDITIONS

GENERAL CONDITIONS, APPLY TO ALL AUTHORIZED PERMITS

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

NATURAL RESOURCE PERMIT CONDITIONS - Apply to the Following Permits: DAM; FRESHWATER WETLANDS; STREAM DISTURBANCE

1. Conformance With Plans All activities authorized by this permit must be in strict conformance with the approved plans submitted by the applicant or applicant's agent as part of the permit application. Such approved plans were prepared by the applicant or applicant's agent, and consist of the materials referenced in Natural Resource Permit Condition 2.

2. Approved Construction Documents All work shall be accomplished in strict conformance with the approved construction documents, as follows:

DRAWINGS: West Branch Auxiliary Dam Slope Safety Improvements, Sheets 1-81, prepared by CDM Smith, dated 5/26/2022, signed and stamped by Erik LeClair NY P.E. License # 077876

SPECIFICATIONS: West Branch Reservoir Auxiliary Dam Slope Improvement Project, Appendix J – Specifications, dated April 2022, pages 1210 – 1525.

3. Notification of Intent to Commence Work The permittee or their representative must notify the Department no less than 48 hours prior to the commencement of work. This notification must be sent via email, to Sarah Pawliczak (sarah.pawliczak@dec.ny.gov) and Jennifer Ross (jennifer.ross@dec.ny.gov).



4. Schedule Pre-construction Conference At least 2 weeks prior to commencement of construction, the permittee shall contact the DEC Dam Safety Section to arrange a pre-construction conference with department staff. Attendees should include the permittee, contractor and supervising engineer. Such a conference may be held at the project site or in the DEC Region 3 office at the discretion of DEC staff. Construction schedules, construction methods, environmental controls, supervisor responsibilities, permit terms and conditions, and contingency plans (in the event of poor weather, equipment breakdown, etc.) are to be addressed at the pre-construction conference.

5. Tree Cutting Time Restriction In order to prevent adverse impacts to State-listed bat species, all tree removal for this project must take place between November 1 and March 31. Any tree cutting outside this window is strictly prohibited.

6. Install Controls as Shown on Plans Prior to commencement of the activities authorized herein, the permittee shall install securely anchored silt fencing and/or continuous staked straw bales as shown on the plans or drawings referenced in this permit.

7. Maintain Erosion Controls These erosion control devices shall be maintained until all disturbed land is fully vegetated to prevent any silt or sediment from entering the freshwater wetland or its adjacent area. Silt fencing, hay bales and any accumulated silt or sediment shall be completely removed for disposal at an appropriate upland site.

8. Dam Safety Section Contact Information When used in this permit, the contact information for the Dam Safety Section is:

Dam Safety Section
Attn: Jennifer Ross
NYSDEC Headquarters
625 Broadway
Albany, NY12233

9. Precautions Against Contamination of Waters All necessary precautions shall be taken to preclude contamination of any wetland or waterway by suspended solids, sediments, fuels, solvents, lubricants, epoxy coatings, paints, concrete, leachate or any other environmentally deleterious materials associated with the project.

10. Stockpile Areas Excavated materials and/or fill materials shall be stockpiled more than 100 feet landward of the wetland or water body and shall be contained by straw bales or silt fencing to prevent erosion.

11. Clean Fill Only All fill shall consist of clean soil, sand and/or gravel that is free of the following substances: asphalt, slag, flyash, broken concrete, demolition debris, garbage, household refuse, tires, woody materials including tree or landscape debris, and metal objects. The introduction of materials toxic to aquatic life is expressly prohibited.

12. Equipment Use in Regulated Areas Weight distributing mats and low-pressure ground equipment shall be used to prevent rutting and soil disturbance within the regulated wetland and wetland adjacent areas, as necessary.



13. Construction Schedule Within 2 weeks after start of construction, provide the Department's Dam Safety Section with a construction schedule indicating timing of major work items. Provide updated schedules as needed to indicate significant changes to the schedule.

14. Start of Construction The permittee shall notify the Department's Dam Safety section of the proposed date of the preconstruction meeting. The permittee shall notify the Department's Dam Safety section of the proposed date for start of construction within 1 week after issuing the Notice to Proceed to the selected construction contractor.

15. Construction Reports Construction reports shall be submitted to the Dam Safety Section on a monthly basis and shall, at a minimum, consist of:

Contractor's Progress Schedule including revisions, a summary of major work completed, a summary of observations made by the on-site representative; a summary of observations made by the construction engineer during his/her site inspections; construction photos; and copies of all lab and field test results, such as soil gradation data and soil compaction tests.

16. Construction Engineer Within two weeks of the date of permit issuance, the permittee shall notify the Dam Safety Section, by certified mail (return receipt requested), of the name, address, telephone number and license number of the registered professional engineer responsible for oversight of the dam construction work (construction engineer) and for submission of the construction certification and "as-built" records required under this permit.

17. As-Built Records Within four weeks after completion of the permitted work, the permittee shall provide to the Dam Safety Section, one complete set of "as-built" records. "As-built" records shall include at a minimum:

Photos of major work items, record drawings, embankment and foundation materials, and construction history. The "as-built" records shall be signed and sealed by the construction engineer and shall include identification of all changes to the approved construction documents.

The "as-built" records shall be signed and sealed by the construction engineer and shall include identification of all changes to the approved construction documents.

18. Completion of Work Within two weeks after the completion of the permitted work, the permittee shall provide the Dam Safety Section by certified mail (return receipt requested) an original signed and sealed statement from the construction engineer that the project has been completely constructed under his/her care and supervision and in accordance with the construction documents approved by the Department ("certification"), with a copy to the Regional Permit Administrator.

19. Substantial Deviations Any substantial deviation from the approved construction documents must be approved in writing by the Dam Safety Section prior to implementation. All deviations from the approved plans shall be indicated in the "as-built" records.

20. Substantial Completion At least two weeks before the anticipated date, the permittee shall cause the construction engineer to notify the Dam Safety Section in writing by certified mail (return receipt requested) that the work will be substantially complete and ready to impound water so that an inspection of the dam can be scheduled. The Dam Safety Section may waive the inspection in writing and/or issue an Approval to Fill letter after receiving this notification.



- 21. Disposal of Material** Any demolition debris, excess construction materials, and/or excess excavated materials shall be immediately and completely disposed of on an approved upland site more than 100 feet from any regulated waterbody or wetland. These materials shall be suitably stabilized so as not to re-enter any water body, wetland, or wetland adjacent area; and must be disposed of in accordance with all local, state, and federal statutes, regulations, or ordinances.
- 22. Invasive Species (Non-native Vegetation)** To prevent the unintentional introduction or spread of invasive species, the permittee must ensure that all construction equipment be cleaned of mud, seeds, vegetation and other debris before entering any approved construction areas within the state regulated freshwater wetland or its 100 foot adjacent area.
- 23. Temporary Mulch, Final Seeding** If seeding is impracticable due to the time of year, a temporary mulch shall be applied and final seeding shall be performed at the earliest opportunity when weather conditions favor germination and growth but not more than six months after project completion.
- 24. Seed, Mulch Disturbed Areas** All areas of soil disturbance resulting from this project shall be seeded with an appropriate perennial grass, and mulched with straw immediately upon completion of the project, within two days of final grading, or by the expiration of the permit, whichever is first.
- 25. Prior Approval of Changes Affecting Wetland Areas** If the permittee desires to make any minor changes to the scope of work shown in the approved plans referenced in Natural Resource Permit Condition 2 which affects DEC Freshwater Wetlands or their adjacent areas, the permittee shall submit a request via email to Sarah Pawliczak of the DEC Bureau of Ecosystem Health (sarah.pawliczak@dec.ny.gov) to make such proposed changes. The proposed changes shall not be implemented unless authorized in writing by the Department. Issuance of such approval without modification of the permit is at the Department's discretion.
- 26. State May Order Removal or Alteration of Work** If future operations by the State of New York require an alteration in the position of the structure or work herein authorized, or if, in the opinion of the Department of Environmental Conservation it shall cause unreasonable obstruction to the free navigation of said waters or flood flows or endanger the health, safety or welfare of the people of the State, or cause loss or destruction of the natural resources of the State, the owner may be ordered by the Department to remove or alter the structural work, obstructions, or hazards caused thereby without expense to the State, and if, upon the expiration or revocation of this permit, the structure, fill, excavation, or other modification of the watercourse hereby authorized shall not be completed, the owners, shall, without expense to the State, and to such extent and in such time and manner as the Department of Environmental Conservation may require, remove all or any portion of the uncompleted structure or fill and restore to its former condition the navigable and flood capacity of the watercourse. No claim shall be made against the State of New York on account of any such removal or alteration.
- 27. State May Require Site Restoration** If upon the expiration or revocation of this permit, the project hereby authorized has not been completed, the applicant shall, without expense to the State, and to such extent and in such time and manner as the Department of Environmental Conservation may lawfully require, remove all or any portion of the uncompleted structure or fill and restore the site to its former condition. No claim shall be made against the State of New York on account of any such removal or alteration.



28. State Not Liable for Damage The State of New York shall in no case be liable for any damage or injury to the structure or work herein authorized which may be caused by or result from future operations undertaken by the State for the conservation or improvement of navigation, or for other purposes, and no claim or right to compensation shall accrue from any such damage.

GENERAL CONDITIONS - Apply to ALL Authorized Permits:

1. Facility Inspection by The Department The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71- 0301 and SAPA 401(3).

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

2. Relationship of this Permit to Other Department Orders and Determinations Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

3. Applications For Permit Renewals, Modifications or Transfers The permittee must submit a separate written application to the Department for permit renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing. Submission of applications for permit renewal, modification or transfer are to be submitted to:

Regional Permit Administrator
NYSDEC Region 3 Headquarters
21 S Putt Corners Rd
New Paltz, NY12561

4. Submission of Renewal Application The permittee must submit a renewal application at least 30 days before permit expiration for the following permit authorizations: Dam, Freshwater Wetlands, Stream Disturbance.

5. Permit Modifications, Suspensions and Revocations by the Department The Department reserves the right to exercise all available authority to modify, suspend or revoke this permit. The grounds for modification, suspension or revocation include:

- a. materially false or inaccurate statements in the permit application or supporting papers;



- b. failure by the permittee to comply with any terms or conditions of the permit;
- c. exceeding the scope of the project as described in the permit application;
- d. newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e. noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

6. Permit Transfer Permits are transferrable unless specifically prohibited by statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee, excepting state or federal agencies, expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under Article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

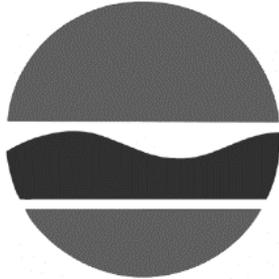
This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.



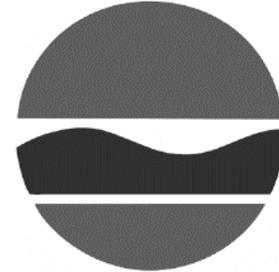
Item E: SEQR Type I Action, No Significant Impact Under the State Environmental Quality Review Act (SEQR), the project associated with this permit is classified as a Type I Action with NYC Dept of Environmental Protection designated as the lead agency. It has been determined that the project will not have a significant effect on the environment.



New York State
Department of Environmental Conservation



NOTICE



The Department of Environmental Conservation (DEC) has issued permit(s) pursuant to the Environmental Conservation Law for work being conducted at this site. For further information regarding the nature and extent of work approved and any Department condition on it, contact the DEC at 845-256-3054. Please refer to the permit number shown when contacting the DEC.

Permittee: NYCDEP

Permit No. 3-3720-00447/00001

Effective Date: January 20, 2023

Expiration Date: December 31, 2029

Applicable if checked. No instream work allowed between October 1 & April 30

NOTE: This notice is NOT a permit.

**SECTION 01 35 27 – ENVIRONMENTAL, HEALTH AND SAFETY
REQUIREMENTS
CONTRACT CRO-534**

PART 1 GENERAL

1.01 SUMMARY

A. Requirements for the Contractor to provide its employees and its Subcontractors a safe and healthful work environment and for performing all Work in compliance with all applicable environmental health and safety (EHS) laws, rules, and regulations.

1. The EHS performance of the Contractor and its Subcontractors is the responsibility of the Contractor. Since effective on-site management is essential for EHS performance, the Contractor shall evaluate the performance of its on-site EHS team on a continuous basis. Where deficiencies are found, the Contractor shall take appropriate action including removal of its personnel or its Subcontractors' personnel.

B. Attachments

1. Exhibit A – Standard Environmental, Health and Safety Requirements Specifications
2. Exhibit B – Bidder's EHS Performance and Program Review Questionnaire

C. The following index of this Section is presented for convenience:

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1.02 PAYMENT

- A. Payment for submittals as specified under Section 1.07 shall be paid under lump sum price bid for Contract Item LS-1 – Mobilization, as specified in Section 01 27 00 – Measurement and Payment.
- B. Except as specified herein, so separate payment will be made for performing Work required under this Section. The Contractor shall include all costs thereof in its lump sum price bid for Contract Item LS-2 – General Contract Activities, as specified in Section 01 27 00 – Measurement and Payment.

1.03 RELATED SECTIONS

- A. Section 01 35 13 - Use of NYSDOT Specs and Drawings
- B. Section 01 35 44 - Working in Hazardous (Classified) Locations
- C. Section 01 57 16 - Temporary Pest Control
- D. Section 02 44 13 - Low Level Outlet Tunnel - Access and Inspection
- E. Section 02 44 16 - Low Level Outlet Tunnel - Pipe and Saddle Removal
- F. Section 02 44 19 - Low Level Outlet Tunnel - Repair
- G. Section 31 10 10 - Site Clearing

1.04 REFERENCES

- A. Definitions
 - 1. “Competent Person” means one who is capable of identifying existing and predictable hazards in the surroundings or working conditions which are unsanitary, hazardous, or dangerous to employees or the environment, and who has authority to take prompt corrective measures to eliminate them. A Competent Person has stop work authority.
 - 2. “EHS Resources” shall mean the Contractor’s EHS Professional(s) and its EHS Site Representative (EHS Rep), as approved by the BEDC EHS unit. This definition shall also apply to the Subcontractors’ EHS Resources, where required. This definition also includes any consultant or other EHS personnel associated with the Project. Such EHS personnel are subject to evaluation and approval by BEDC EHS as set forth in this Section.
 - 3. “Environmental Health & Safety Plan (EHASP)” shall mean the plan developed in accordance with all applicable EHS rules and regulations and these Specifications to identify and set forth policies and procedures to control the health and safety concerns and environmental impacts known and unknown at the Site. This plan is not to be confused with the Health

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and Safety Plan that may be required under 29 CFR 1910.120 for Hazardous Waste Operations and Emergency Response (HAZWOPER).

4. “Job Hazard Analysis” (JHA) shall mean a tool used to document a process by which the steps required to accomplish a work activity are outlined, the actual or potential hazards for each step are identified, and measures for the elimination or control of those hazards are developed.
5. “Hazard Identification” shall mean an existing condition that has the potential to harm people, cause damage to property or the environment, or some combination of these.
6. “Incident” shall mean an undesired occurrence that resulted in injury, illness, environmental release, fire, explosion, motor vehicle event, property damage, equipment failure, non-compliance, and/or adverse impact to operations/work.
7. “Near Miss” shall mean an undesired event in which no property or environment was damaged and no personal injury (i.e., work related harm, damage or loss to a person, including first aid cases as well as recordable injuries) was sustained, but where, given a slight shift in time or position, damage or injury easily could have occurred.
8. “Observation” shall mean an opportunity to improve that does not entail an event included as a hazardous identification, near miss, or incident.
9. “Qualified Individual” shall mean one who, by possession of a recognized degree, certificate, or professional standing, or who by extensive knowledge, training, and experience, has successfully demonstrated his or her ability to solve or resolve problems relating to the subject matter, Work or Project.

B. Reference Standards

1. 29 CFR 1926 - Safety and Health Regulations for Construction (Subpart Z – Toxic and Hazardous Substances), Standard No. 1926.1153 - Respirable Crystalline Silica

1.05 DESCRIPTION

A. General

1. In performing the Work of this Contract, the Contractor shall at all times be in compliance with all federal, state, City and local environmental, health and safety laws, rules, regulations, DEP Policies and BEDC EHS Standards.
2. The Contractor shall ensure that its employees and those of its Subcontractors working on a DEP project site under the Contract are clearly identifiable as Project Contractor employees. This may include the use of labeled safety vests or hard hats or other acceptable means in

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addition to complying with the identification badge requirements of Article 37 of the Standard Construction Contract.

3. The Contractor shall be responsible for the health and safety of its employees, Subcontractors, the public and all other persons at or around the Work Site. The Contractor shall be solely responsible for the adequacy of all construction methods, materials, equipment and the safe and environmentally compliant prosecution of the Work. Where possible, the Contractor shall implement Best Management Practices to reduce injuries, accidents and environmental impacts.
4. The overall site management for EHS is performed by the Engineer in coordination with the DEP Construction Manager. The Construction Manager's EHS staff/consultant and Contractor's EHS staff shall work closely with the Engineer's designated EHS staff (i.e., coordinate to perform joint EHS activities, including inspections, incident investigations, etc.). The Contractor shall coordinate with the Engineer's EHS designee with regard to any Site rules or Site-specific requirements such as working hours, delivery times and operations coordination and sequencing.
5. The Contractor shall perform and document its due diligence in determining whether the Subcontractors it hires to perform Work under the Contract are capable of performing to the EHS standards set forth in this Section. At a minimum, the Contractor is required to perform an EHS evaluation of proposed Subcontractors prior to submitting them for DEP approval. The Contractor must have a Subcontractor EHS evaluation program that is at least as stringent as the DEP Contractor Selection and Management Policy available in the BEDC web-based PMIS. Poorly performing Subcontractors will affect the Contractor's performance evaluations and ability to obtain future contracts with DEP.
6. DEP requires a drug and alcohol free, healthful, safe and secure work environment. Contractor employees will report to work in an appropriate mental and physical condition for work. DEP reserves the right to require any Contractor or Subcontractor employee to submit to drug testing when cause for reasonable suspicion of a violation of this policy exists. Drug testing may occur when: a) there is reasonable suspicion that an employee is under the influence of alcohol or illegal drugs, or b) an employee has been involved in an Incident, or involved in an unsafe practice, or c) as required by BEDC EHS Standards. The Contractor must prohibit any employee from being under the influence of any illegal drug or alcohol while at work, on duty, or operating a vehicle or construction equipment.
7. The Contractor shall implement an EHS Management Program which includes qualified Safety Professionals (SPs) and Environmental Professionals (EPs), collectively referred to as EHS Professionals, along

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with project management staff, with appropriate competencies to provide EHS direction, guidance, and oversight of all aspects of the performance of the Contract's detailed scope of Work.

8. The Contractor shall ensure that its EHS Resources have appropriate authority to execute their duties and responsibilities as set forth in this Section and under the Contractor's EHS Management Program.
9. The Contractor shall arrange for additional approved EHS Resources to be available during EHS staff absences. The Contractor must inform the Engineer, in writing, of anticipated absences.
10. Contractor EHS Resources:
 - a. At a minimum, the Contractor shall provide the EHS Resources described below. The Contractor is required as part of its EHS Management Program to identify any EHS Resources necessary beyond the listed minimums.
 - b. For all contracts that employ 100 or less employees on site at any time, the Contractor shall have at least one full-time site EHS Rep. The Contractor may submit a request in writing to the Engineer to waive the requirement of a separate EHS Rep at each site and permit other Contractor employees who are Qualified Individuals to monitor the EHS activities of the employees and to assume all of the responsibilities of the full-time site EHS Rep, if it can show that one EHS Rep can effectively manage multiple sites. The EHS Rep(s) shall have no other duties except those related to EHS on the Contract, and shall not be the project manager, engineer, superintendent or have any other title or project role other than EHS Rep.
 - c. For all contracts that employ over 100 employees on site at any time, the Contractor shall have at least two full time EHS Reps. These EHS Reps shall have no other duties except those related to EHS on the Contract, and shall not be project managers, engineers, superintendents or have any other title or project role other than EHS Rep.
 - d. The Contractor may submit a request in writing to the Engineer to waive the requirements of this Section and permit other Contractor employees who are Qualified Individuals to monitor the EHS activities of the employees on site and to assume all of the responsibilities of the full-time EHS Rep.
 - e. The Contractor shall ensure that Subcontractors who consistently employ over 100 employees for more than two weeks at a time under the Contract shall have one full-time site EHS Rep. This EHS Rep shall have no other duties except those related to EHS on

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- the Contract and shall not be the Project Manager, Engineer, superintendent or have any other title or project role other than as the Subcontractor's EHS Rep.
- f. If the Contract has more than one location, each location shall be treated as a separate contract for purposes of determining the number(s) of necessary EHS Reps in accordance with paragraphs b through d above.
 - g. The Contractor's EHS staff shall be provided an appropriate office on the Project Site to maintain and keep available EHS records, up-to-date copies of all pertinent EHS laws, rules, regulations and governing legislation, material safety data sheets, and the EHASP.
- 11. All site workers have the right to refuse unsafe work which is reasonably believed to present imminent danger to their own safety or the safety of others, the public or the environment, or to City property, without adverse consequences.
 - 12. The Contractor and its Subcontractors shall stop Work and initiate immediate corrective action whenever a Work procedure or a condition at the work site is deemed unsafe by the EHS staff, DEP, Competent Persons, or the Engineer. All Contractor and Subcontractor employees working on site shall report any unsafe or noncompliant work condition(s) immediately to the EHS staff, Competent Persons, or the Engineer. If a stop Work order is issued to the Contractor by the Engineer for unsatisfactory EHS performance, the Contractor shall not make any claim against the City for any losses associated with the stop work order.
 - 13. The Contractor and all Subcontractors are responsible for daily cleanup of their immediate Work areas in accordance with BEDC's Housekeeping Standard. Construction scrap and debris shall be removed daily during the course of construction, alterations and repairs. Contractor refuse shall not be allowed to accumulate so as to create trip hazards or block access routes and pathways. The Contractor shall implement procedures to ensure a high standard of housekeeping. All waste shall be disposed of in accordance with the appropriate regulations and applicable Specifications.
 - 14. The Contractor shall ensure that any sand, soil, plaster, cement, mortar or the like is not deposited or washed into any drain or sewer unless specifically authorized under required permits.
 - 15. When working with (i.e. the cutting, grinding, drilling, chipping, demolition/removal) masonry materials containing respirable crystalline silica (i.e. brick and concrete), the Contractor shall perform work utilizing specified engineering and work practice control methods in accordance with 29 CFR 1926.1153.

B. Environmental Health and Safety Plan (EHASP)

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1. The Contractor shall have a written EHASP prepared and signed by the EHS Professional in accordance with the BEDC EHASP Standard. The EHASP must be signed by a principal or senior manager of the company and project management staff. The EHASP shall be submitted to BEDC for review and approval prior to the start of any work. JHAs will be developed as the Work progresses, in accordance with the BEDC JHA Standard, and will supplement the Contractor's EHASP.
- C. Emergency Action Plan (EAP)
1. The Contractor shall work with the Engineer/Construction Manager and Other Contractors to develop a single cohesive construction EAP in accordance with BEDC's EAP Standard.
 - a. The Contractor is responsible for providing or supplementing the facility's existing, emergency alarm/siren/annunciation system to ensure that all Contractor personnel will be adequately notified of an alarm condition or required/test evacuation.
 - b. The Contractor is responsible for evaluating and ensuring that all identified emergency resources are adequate and appropriate for the potential rescues/emergencies needed.
 - c. The EAP shall be submitted and approved prior to commencing the Work.
- D. Spill Prevention Program (SPP)
1. The Contractor shall establish a Spill Prevention Program (SPP) for the prevention of releases of petroleum, hazardous substances or other pollutants. The SPP shall be included in the EHASP, and include awareness training for all personnel on measures designed to reduce, minimize and eliminate the potential for releases.
 2. The Contractor shall establish sound work practices and implement appropriate measures to achieve release prevention and control of releases when they do occur.
 3. At a minimum, the Contractor shall include within the SPP the following:
 - a. Proper materials handling, labeling and container storage inspection practices for all products including hazardous and universal waste.
 - b. All petroleum products, hazardous substances, or chemicals must be stored in designated areas and include secondary containment (with capacity to contain 110% of largest container) for all closed containers with a capacity greater than 5 gallons. Open containers of petroleum products, hazardous substances, or chemicals must be stored on secondary containment at all times.

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- c. Equipment shall utilize secondary containment to avoid spills and overflows of liquids.
 - d. Storage of combustible materials shall be in accordance with the 2020 New York State Fire Code.
 - e. Follow manufacturer recommended preventive Maintenance Procedures (MPs) and where none exist, develop in-house equipment specific MPs.
 - f. Inspection for and purging of residual materials in piping, tanks and other equipment prior to disassembly, demolition and disposal.
 - g. Supervision of fuel and chemical deliveries. These deliveries shall only be permitted during normal Project work hours or as otherwise approved by the Engineer.
 - h. The SPP shall include a detailed summary of anticipated petroleum and chemical storage. The information shall include capacity, contents, description and secondary containment provided.
 - i. The SPP shall include a response plan by the Contractor if pollutants enter the reservoir due to a spill or through stormwater.
4. The Contractor shall bear sole responsibility for all costs and delays resulting from any releases on the Project which occur as a result of the work activities.

1.06 QUALITY ASSURANCE

A. Qualifications

- 1. The Contractor shall ensure that, at all times, its employees and those of its Subcontractors have received OSHA 10-Hour Construction training or OSHA 30-Hour training within the last five (5) years.
- 2. The EHS Professional(s) shall possess a combination of safety and environmental skills as needed to manage the EHS hazards and issues presented by this Project. The EHS Professional may be one or more persons meeting the individual qualifications for Safety and Environmental Professionals as detailed below.
- 3. Safety Professional (SP): Persons recognized as a Safety Professional shall, at a minimum, possess the following education and experience:
 - a. Certification as a Certified Safety Professional granted by the Board of Certified Safety Professionals and five (5) years of documented professional construction EHS management experience; or
 - b. Certification as a Certified Industrial Hygienist granted by the American Board of Industrial Hygiene and five (5) years of

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- documented professional construction EHS management experience; or
- c. A Bachelor of Science degree in safety, industrial hygiene, occupational safety and health, environmental health and science, or related field and ten (10) years of documented professional construction EHS management experience.
 - d. All documented professional EHS management experience must be in the types of construction and conditions expected to be encountered on the site.
 - e. For projects that require hazardous waste remediation or response, the SP is also required to have successfully completed a forty-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) training course.
4. Environmental Professional (EP): Persons recognized as an Environmental Professional shall, at a minimum, possess the following education and experience:
- a. A Bachelor's degree in environmental science, environmental engineering or other related engineering or science field and ten (10) years of documented professional environmental field, management and/or engineering experience. All documented professional environmental experience must be in the types of construction and conditions expected to be encountered under this Contract.
 - b. The EP's knowledge and experience should include, but not be limited to, management and disposal of solid and hazardous waste, universal waste, hazardous materials management, chemical and petroleum bulk storage, used oil, chemical and petroleum spill control plans, lead/mercury/PCB and asbestos remediation and management, storm water and soil management, and environmental permit management.
 - c. Where required for soil sampling plans and determining soil classifications the EP shall meet the NYSDEC definition for a Qualified Environmental Professional (QEP).
5. EHS Rep: Qualifications of the EHS Rep(s) shall include a minimum of: ten (10) years of relevant construction experience, five years of which were exclusively in construction EHS management and successful completion of the following training courses:
- a. BEDC EHS Standards;
 - b. Thirty-hour OSHA construction safety and health training;

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- c. For projects that require hazardous waste remediation or response, forty-hour HAZWOPER training;
 - d. Resource Conservation Recovery Act/DOT hazardous waste/manifesting training
 - e. Permit- required confined space;
 - f. BEDC spill prevention and control;
 - g. Control of hazardous energy sources (lockout/tagout);
 - h. Dig Safely training;
6. The EHS Professional and EHS Rep shall have extensive experience with hazard identification, evaluation and controls, and be knowledgeable of all applicable EHS requirements set forth by governing laws, rules and regulations as well as Best Management Practices. Where gaps in the training or experience are identified, DEP may require additional experience or training for approval.

1.07 SUBMITTALS

A. Environmental Health and Safety Plan (EHASP)

- a. The Contractor shall submit the draft EHASP to the Engineer for review and approval within thirty (30) business days from issuance of the Notice to Proceed (NTP). In no case shall Work be allowed to commence without an approved EHASP.
 - b. Initial submission of the EHASP shall be provided as one hard copy and one electronic copy (either Word or Acrobat format) to the Engineer.
 - c. The EHASP submittal shall be reviewed and comments shall be provided to the Contractor upon completion of the review.
 - 1) The Contractor shall work with the Engineer to address all comments in order to obtain EHASP approval.
 - d. Upon receipt of final approval, the Contractor shall provide one hard copy and one electronic copy (either Word or Acrobat format) of the EHASP to the Engineer.
2. The EHASP shall be available to all of the Contractor's employees working on the Contract.
3. Review, acceptance and/or approval of the EHASP will not impose responsibility for the EHASP on any other party, nor will it relieve the Contractor from any of its EHS responsibilities.
4. The Contractor shall submit to BEDC EHS for approval, the names of the EHS Professional and EHS Rep(s) to be employed. BEDC EHS may

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request and conduct an interview of the candidates prior to approval. The Contractor shall submit the resumes, copies of certifications, a signed certification of employee training, along with other qualifications of the EHS Professional and EHS Rep. The resumes shall include items such as: experience, education, EHS courses completed, safety and environmental conferences attended, and certifications achieved. Documentation and/or personal references confirming the qualifications may also be required. The DEP may reject persons proposed as EHS Professionals or EHS Reps for failure to have adequate qualifications or for other cause at any point prior to and during the Contract period, as determined by the Engineer.

5. The Contractor shall adhere to the requirements of BEDC Incident and Near Miss Reporting and Investigation Standard and shall immediately notify the Engineer of all Incidents involving employee injury and illness, and any other work-related Incidents or Near Misses, damage to equipment and structures, releases or adverse impacts to the environment, or other conditions as defined in the Standard.
6. The Contractor must notify the Engineer and BEDC EHS immediately of any regulatory inspections, notices of citations and penalties, Notices of Violation (NOVs), or any other outside agency violations. In addition, the Contractor shall furnish to the Engineer a copy of all correspondence from OSHA, NYSDEC, the Department of Buildings (DOB) or any other government regulatory agency, within one day of receipt, which may include, but are not limited to, employee complaints, notices of citations and penalties, environmental and NOVs. The Contractor must close out all NOVs and provide documentation to the Engineer that the NOV is closed/corrected as a condition precedent to obtaining final payment.
7. The following is a list of potential hazards (but not limited to) during this project, which shall be addressed in the EHASP, in conjunction with BEDC EHS Standards Book and SOP 100:
 - a. Permit-Required Confined space/Hazardous (Classified) Location:
 - 1) The Contractor will need to occupy the Low Level Outlet Tunnel which is a permit-required Confined Space and a Hazardous (Classified) Location.
 - a) The Contractor shall submit a permit-required Confined Space Entry (CSE) plan, which includes a communication and rescue plan.
 - b) The CSE plan shall require that required equipment is checked daily before use. Refer to Section 02 44 13 – Low Level Outlet Tunnel – Access and Inspection, Section 02 44 16 – Low Level Outlet Tunnel – Pipe and Saddle Removal, and Section 02

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- 44 19 – Low Level Outlet Tunnel – Repair for details regarding the required Work within the referenced tunnel.
- c) DEP shall be notified at least 1 week prior to the CSE operation
 - d) The contractor shall abide by requirements of Section 01 35 44 – Working in Hazardous (Classified) Locations and submit required submittals per Article 1.07.
- b. Falling hazard:
- 1) Contractor will be performing tree removal operations. Refer to Section 31 10 10 Site Clearing for details regarding the required Work for tree removal.
 - a) Contractor shall wear appropriate PPE and tape off the drop zone
 - 2) Contractor will be providing open excavations to perform the Work, as described in the design documents.
 - a) Contractor shall provide passive (guardrail) as fall protection for heights of 4ft or more.
 - b) Best practice to consider passive fall protection for heights of less than 4ft where workers can slip or fall while performing work.
- c. Working over/adjacent to water:
- 1) The Contractor will need to utilize personal floatation devices and provide emergency response plan for the following work:
 - a) Installing/maintaining the turbidity curtain within the reservoir as outlined in the SWPPP.
 - b) performing Roadway/utility Work adjacent to reservoir.
- d. Working adjacent to traffic:
- 1) The Contractor will be working on or adjacent to US Route 6 and Drewville Rd.
 - a) Use of back-up alarms, flaggers, spotters and communication protocol shall be included in conjunction with NYSDOT Item 619.01 Basic Work Zone Traffic control and Section 01 55 00 – Vehicular Access and Parking.

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- e. Working adjacent to equipment:
 - 1) The Contractor will be working adjacent to equipment within the project site.
 - a) Use of back-up alarms, flaggers, spotters and communication protocol shall be included in conjunction with Section 01 55 00 – Vehicular Access and Parking.
- f. Working at Night
 - 1) The Contractor will need to perform roadway Work along US Route 6 at night, which causes low visibility.
 - a) Temporary Lighting shall be required at night
- g. Electrical shock:
 - 1) The Contractor will need to install a temporary power feed for job trailers
 - 2) The Contractor will be performing Work adjacent to utilities (overhead power lines or unknown buried utility)
 - a) Coordination with overhead utility and DIG Safely is required.
- h. Striking a utility:
 - 1) The Contractor will be performing work adjacent to overhead lines
 - a) Coordination with overhead utility is required.
 - 2) The Contractor will be performing excavation where an unknown buried utility may be present
 - a) DIG Safely coordination and protocol is required.
- i. Faulty equipment/tools:
 - 1) The contractor shall conform to lockout-tagout procedures.
- j. Contagious viruses/diseases:
 - 1) The Contractor shall compose a COVID-19 Plan, for approval by the Engineer, based on guidance from the Centers for Disease Control and Prevention (CDC) and local authorities. The plan shall include the following, but not limited to:
 - a) Preventative measures
 - b) Required PPE

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- c) Requirements of site control
 - d) Screening protocol
 - e) Protocol for worker(s) testing positive
 - k. Pollution of the ground or reservoir:
 - 1) Spills from Construction equipment/materials/activities.
 - a) Contractor shall conform to the SPP
 - 2) Contamination from stormwater
 - a) Contractor shall conform to the SPP
 - l. Unknown Hazardous materials:
 - 1) Unknown Hazardous materials may be present within the soil or in the Low Level Outlet Tunnel.
 - a) Contractor shall follow requirements in Section 01 35 44 – Working in Hazardous (Classified) Locations.
 - 8. The EHASP shall include the EHS Equipment and Personal Protective Equipment needed to perform the required Work. Refer to Article 2.02 of this specification.
- B. Risk Control Reports**
- 1. The Contractor will forward to the Engineer any risk control reports generated by its insurance carrier or broker within one day of receipt.
- C. Monthly Contractor EHS Report**
- 1. The Contractor shall submit, on or before the 10th day of each month, a summary report of EHS activity for the prior month, including, but not limited to:
 - a. EHS metrics reported on the metrics reporting form provided as part of the pre-construction package and as may be updated throughout the life of the Project.
 - b. Chemical Inventory with HTSL (Hazardous and Toxic Substance List) and Subpart Z List.
 - c. Local Law 77 and DEP Bureau of Environmental Compliance air permits.
 - d. Summary of audit data including trending and analysis along with root cause and corrective actions/training identified.
 - e. Summary of the regulatory inspections, notices of citations and penalties, NOVs, or any other outside agency violations (which

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occurred and were provided to BEDC in accordance with this Section).

- f. Statement by the EHS Professional discussing their review of the monthly report and recommendations for improvement, as necessary.
- g. Detailed information regarding each pesticide application during the prior month, as specified in Section 01 57 16 - Temporary Pest Control.

- 2. The Engineer shall review the report to verify that the Contractor is effectively managing the EHS requirements under the Contract. If the Contractor has no, or limited Work in a given month, it shall inform the Engineer that no Work was performed or submit the required documentation for those days that Work was performed.

D. Performance Evaluations

- 1. The Contractor, in conjunction with its Subcontractors, shall be evaluated semi-annually on their performance in implementing the Work of this Contract in accordance with this Section and all related EHS specifications, rules, regulations, laws, policies and procedures. The evaluations are based on the criteria established in DEP's Contractor Selection and Management Policy.
- 2. In conjunction with the Contractor evaluation form, the EHS Professional and EHS Rep will be evaluated by BEDC EHS and these shall be included in the evaluations.
- 3. Any EHS Professional or EHS Rep who knowingly falsifies any data, result, audit, document, etc. will be removed from the Project and precluded from further DEP Work.

1.08 DELIVERY, STORAGE, AND HANDLING

- A. Not Used

1.09 SPARE PARTS, SPECIAL TOOLS, AND SUPPLIES

- A. Not Used

1.10 SPECIAL WARRANTY PROVISIONS / GUARANTEE PERIODS

- A. Not Used

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Not Used

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2.02 MATERIALS / EQUIPMENT

A. EHS Equipment

1. The Contractor shall provide the proper EHS and rescue equipment for all employees, adequately maintained and readily available, for any foreseeable contingency or situation under the Contract during the performance of the Work.
2. All equipment shall be stored in protected areas and maintained and calibrated in accordance with the manufacturer's recommendations and as specified in the EHASP. Where equipment is required to be inspected and or calibrated, documentation shall be maintained and available for review.

B. Personal Protective Equipment

1. All personnel employed by the Contractor and any visitors entering the job site shall be required to wear appropriate personal protective equipment (PPE) required as specified in the EHASP and the BEDC EHS PPE Standard. The Contractor shall continuously provide and maintain adequate PPE.

C. Environmentally Friendly Materials

1. The Contractor shall use environmentally friendly hydraulic oils (vegetable-based) and anti-freeze (propylene glycol-based) products.

2.03 FABRICATION / ASSEMBLING / FINISHES

A. Not Used

2.04 SOURCE QUALITY CONTROL / SHOP TESTS

A. Not Used

PART 3 EXECUTION

3.01 EXAMINATION / PREPARATION

A. EHS Staff Duties

1. The Contractor's EHS staff is responsible for overseeing and managing the Contractor's safe and environmentally compliant performance of all Work.
2. EHS Professionals shall be required to initiate, review and implement measures to ensure the health and safety of all Contractor employees, and to protect property and the environment. Each EHS Professional is required to visit the Site and audit the Site conditions in accordance with the Contractor's EHS Plan or as directed by the Engineer.

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3. The EHS Professional will be held accountable to adjust his/her workload to enable proper performance of all of their EHS responsibilities in accordance with all requirements of this Section and all applicable regulations. DEP may request that the Contractor remove the EHS Professional for not meeting the Contract requirements.
4. The EHS Professional shall visit the Site prior to developing the Contractor's EHASP. The EHS Professional will arrange a visit with the Engineer and perform an inspection of the Site to understand the full scope of Work to be performed under the Contract. Contract Documents relevant to writing the EHASP can be reviewed and obtained at this time. Facility/Site specific information must be provided, reviewed, and documented in accordance with the BEDC EHS Site Orientation Standard.
5. The EHS Professional shall visit all Work areas as frequently as necessary, but no less frequently than monthly, to verify that EHS compliance is being achieved. The EHS Professional shall review hazards, JHAs, and the foremen's and superintendent's preparation and communication of JHAs to workers. The EHS Professional shall review the Project team's compliance with and adherence to EHS requirements, as well as their proactive approach and planning for EHS.
6. The EHS Professional shall be available for consultation whenever necessary. Prior to and after each visit, the EHS Professional shall sign the visitors' log maintained at the Engineer's office.
7. The EHS Professional is expected to perform their inspections in concert with the EHS Rep, during which time the EHS Professional will not only inspect the Site, but shall also mentor and direct the EHS Rep. During the inspection, the EHS Professional will evaluate the Contractor and each subcontractor working under the Contract and clearly identify findings and who they are assigned to, using the EHS Professional checklist provided in the EHASP. Any findings that cannot be resolved immediately will be assigned to the EHS Rep for follow-up. The EHS Professional is expected to communicate with the EHS Rep to ensure all identified findings are closed out. The EHS Professional's inspection shall include programmatic issues such as adhering to the Contractor's EHS program, including, but not limited to, preparing and communicating JHAs and proactively minimizing EHS risks.
8. The EHS Rep will coordinate with the EHS Professional when questions arise requiring the EHS Professional's expertise. After each visit, the EHS Professional shall prepare a report, including photographs (where necessary), acceptable to the Engineer and BEDC EHS, detailing the findings. The report shall include those hazards and violations discovered during the site visit and when and how they were or will be closed out. Any EHS items not covered or documented by the inspection checklist

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will be noted in the comments section of the checklist. The report shall be submitted to the Engineer within one business day of the Site visit.

9. The EHS Rep shall be at the job Site full time whenever work is in progress during all shifts.
10. The EHS Professional's and EHS Rep's responsibilities are as follows:
 - a. The EHS Professional is responsible for directing the Contractor's EHS program, ensuring implementation by the Contractor and all Subcontractors, and for directing and monitoring all activities of the EHS Rep. If the EHS Rep is not enforcing the EHASP, JHAs, or other elements of the EHS program, the EHS Professional shall either recommend retraining or removal of the EHS Rep from the Project by submitting a letter to the Engineer and the Contractor.
 - b. The EHS Rep must review JHAs to verify that the Work activity's EHS issues and hazards are accurately identified, addressed, and communicated. JHAs shall be regularly communicated to affected employees and must be made available in the areas where the affected employees are working. The EHS Professional is responsible for reviewing JHAs at least monthly to verify that they adequately reflect the recognized hazards and controls of the tasks being performed. JHAs shall be provided to the Engineer or BEDC EHS when requested.
 - c. Both the EHS Professional and the EHS Rep shall schedule and conduct EHS meetings and training programs as required. A specific schedule of these meetings and an outline of topics to be covered shall be provided with the EHASP. The Engineer shall be advised in advance of the time and place of such meetings, and DEP personnel shall be invited to attend the meetings.
 - d. All Contractor employees shall be instructed by the EHS Professional and the EHS Rep on the recognition of hazards, safe Work practices and environmental precautions, the contents of the EHASP, and the use of environmental, personal protective and emergency equipment. Such training shall be documented, recorded, and provided as part of the EHS monthly report(s). EHS Reps and EHS Professionals will attend regularly scheduled meetings held by the Engineer and BEDC EHS including, but not limited to, the EHS Pre-Construction Meeting.
 - e. Determine that operators of specific equipment are qualified by training, certification and/or experience before they are allowed to operate such equipment. Ensure documentation of licenses, certifications and training by the appropriate agencies (for example

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- OSHA, NYC DOB, NYC Fire Department, etc.) are on site and current, prior to start of Work.
- f. Verify implementation of the BEDC Emergency Action Plan (EAP) Standard.
 - g. Develop an effective Site communication plan that includes, signage, and verbal and written communication of EHS issues and notices.
 - h. Post all appropriate notices regarding EHS regulations at Site location(s) which afford maximum exposure to all personnel at the job Site.
 - i. Post appropriate instructions and warning signs regarding all hazardous areas or conditions which cannot be eliminated. Identification of these areas shall be based on experience, site surveillance, and severity of hazard. Such signs shall not be used in place of appropriate workplace controls.
 - j. The EHS Rep is to conduct EHS inspections a minimum of twice per shift to ensure that all machines, tools and equipment are in a safe operating condition, and that all Work areas are free of safety and environmental hazards. The EHS Rep shall take necessary and immediate corrective actions, where feasible, to eliminate all unsafe acts and/or conditions, and submit to the Engineer each day a copy of the findings on the inspection check list report forms established in the EHASP. Detailed checklists will be tailored to the EHS hazards and conditions on the Site, and will include a comments section to include findings not specifically listed on the checklist.
 - k. Whenever DEP and its agents perform both announced and unannounced inspections of the Contractor's EHS performance, a member of the Contractor's on-site EHS team shall be available during the inspections. The EHS Professional will coordinate inspections with the Engineer and DEP inspectors upon request. The Contractor shall take immediate corrective action, where feasible, to eliminate hazards identified by the Engineer, DEP inspectors, or any other entity. The Contractor, if requested, shall develop and implement a plan detailing corrective actions necessary to mitigate the presence of noncompliant conditions and actions following Incidents, citations, NOVs, or identification of patterns of noncompliant conditions and acts.
 - l. Notify the Engineer and BEDC EHS immediately of all inspections by regulatory agencies, and submit to the Engineer and BEDC EHS copies of all EHS reports, citations, and NOVs from

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regulatory agencies and insurance companies within one workday of receipt.

- m. Implement an effective fire protection and prevention program at the Site throughout all phases of the construction Work in accordance with BEDC's Fire Prevention Standard. The Contractor will ensure the availability of fire protection and suppression equipment adequate to control the degree of fire hazard encountered during construction.
- n. Provide and document appropriate Site-specific orientation to Contractor employees, visitors, and Subcontractors communicating recognized hazards present at and surrounding the Site(s) and facility in accordance with BEDC's Site Orientation Standard and DEP's Contractor Selection and Management Policy.
- o. Perform all tasks and responsibilities as identified in the EHASP.

3.02 APPLICATION

- A. Not Used

3.03 FIELD TESTING / QUALITY CONTROL

- A. EPCRA and Related Hazardous Material Regulations

- 1. The Contractor shall maintain a monthly inventory of hazardous substances or extremely hazardous substances used or stored on Site in accordance with the BEDC-provided chemical inventory form. Documentation shall be maintained on Site and available for review.
- 2. The Contractor shall prepare and provide to the Engineer a Right to Know (RTK)/Emergency Planning and Community Right to Know Act (EPCRA) Annual Chemical Inventory Form for all hazardous and extremely hazardous substances that the Contractor used or stored during the previous calendar year. This shall be provided by January 15th of each year.
- 3. In addition to any requirements of the New York City Standard Construction Contract, in order to obtain Final Acceptance, the Contractor must satisfy all EPCRA reporting requirements for the final year of the Contract.

- B. Temporary Protective Grounding Equipment

- 1. Temporary Protective Grounding Equipment (TPGE) shall be used at locations required by 29 CFR 1910.269. TPGE may be used at other locations, when specified in the EHASP.
- 2. TPGE shall not be used as a substitute for following lockout procedures.

- C. Hot Work

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1. The performance of Hot Work is prohibited unless performed under the issuance of a Hot Work permit from the Permit Authorizing Individual (PAI). The PAI shall be provided by the DEP.
 - a. Where the DEP and Engineer are not routinely present, the Contractor may be allowed to obtain PAI certification for Contract employees.
 2. The Contractor shall provide the Engineer with a JHA at least 48 hours prior to the performance of Hot Work. The JHA shall identify the following:
 - a. The locations where the Work is to performed;
 - b. Equipment to be used;
 - c. Gases or vapors within or adjacent to the location that have the potential to create a combustible atmosphere;
 - d. Controls required to mitigate or prevent the accumulation of gases or vapors in quantities that have the potential to create a combustible atmosphere; and
 - e. Controls or methods to promptly discontinue the use of and de-energize equipment when a combustible atmosphere is detected.
 3. For Hot Work in hazardous (classified) locations, refer to the requirements of Section 01 35 44 – Working in Hazardous (Classified) Locations.
- D. Electrical Equipment Lockout
1. Contractor is required to lock out all electrical equipment utilizing lockable disconnecting means that provide mechanical isolation followed by verification of no voltage, as according to OSHA 1910/1926 and NFPA 70E; equipment tag out is not sufficient. If a lockable disconnecting means is not available at the identified equipment due to equipment design or operational condition, the Lockout process will continue elevating to the next level of the system, electrical or otherwise, until a lockable disconnecting means is available providing mechanical isolation. Complex electrical systems and network power distribution systems require lockable disconnecting means at all isolation points from the main power source through the downstream equipment loads (e.g. systems with A and B bus sources or other multiple power sources). The lock out requirement will be performed to the greatest extent possible in consideration of plant operational impacts. When the plant operational impacts are too significant to environmental compliance, an alternative method may be utilized know as an Energized Electrical Work Permit (EEWP). An EEWP is a document, defined by NFPA 70E, that clearly describes the following: the circuit, equipment, and location of the job/task at hand; the work that is to be done; justification of why the circuit or equipment

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cannot be de-energized or the work deferred until the next scheduled outage; performed by an Electrical Safety Worker (ESW); signatory authorization by the Plant Chief or Facility Manager.

3.04 STARTUP / DEMONSTRATION

A. Visitors

1. Allowing visitors and members of the public to tour an active construction site is discouraged due to the potential exposures to hazardous conditions and materials associated with construction Work. However, where necessary, approved and authorized visitors of the Contractor, Subcontractors, or any other authorized agency, department, or other entity associated with the Contractor shall sign in at both the DEP/Contractor Security Booth and the Visitors' Log maintained at the Contractor's Site office. Visitors are required to receive Site orientation training, comply with all provisions of the EHASP, wear proper and appropriate PPE and be escorted at all times. All efforts should be made not to schedule site tours/visits at the time of the scheduled evacuation drills. Visitors must not be exposed to construction hazards without prior training with respect to those construction hazards.

3.05 ADJUSTING / PROTECTION / CLEANUP

A. Not Used

END OF SECTION

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EXHIBIT A

**STANDARD ENVIRONMENTAL, HEALTH AND SAFETY
SPECIFICATIONS
REV 3, 2/26/2018**

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STANDARD ENVIRONMENTAL, HEALTH AND SAFETY SPECIFICATIONS

1. Scope

The goal of the New York City Department of Environmental Protection (DEP) is to run the safest operations and capital program in the country with the best environmental compliance record of any large water and wastewater utility. To achieve that goal, DEP strives to hire safe and environmentally compliant contractors and to systematically manage, monitor and evaluate contractors that are working on DEP projects and at DEP locations.

As such, DEP has developed procedures to ensure that contractors' environmental, health and safety (EHS) records and programs are evaluated when DEP is selecting a contractor or approving a subcontractor. These procedures require that all contractors are properly prepared and trained to safely complete the work and to adhere to all EHS laws, rules, and applicable standards as contractually required. DEP work sites are subject to requirements regarding qualification, supervision and activities of contractors.

These contract requirements (Specifications) set forth the EHS eligibility standards for contract award as well as the applicable EHS training requirements and requirements specific to working on a DEP project. The Contractor must comply with applicable federal, state, and local codes and standards, including environmental and occupational safety and health requirements, as well as any additional special requirements invoked by other sections of the Contract.

Unless otherwise specified, these Specifications do not apply to:

- Contractors providing services with little likelihood of affecting DEP employee safety, DEP property, the public, and the environment, such as light janitorial work, laundry, delivery (e.g., food and drink, furniture, filing cabinets), other supply services and shipping, or other products/services as determined by the contracting Bureau.

2. Pre-Award

2.1 Submittals

Within 5 business days of DEP request, the apparent low bidder shall provide the information specified below. Failure to provide the required information may result in a rejection of the bid.

2.1.1 NY Intrastate Experience Modification Rating (EMR) for past 3 years.

Bidder shall provide its NY Intrastate EMR for the past 3 years on its insurance broker's letterhead. EMR information provided by the New York State Insurance Rating Board is also acceptable. If the bidder does not have a NY Intrastate EMR, its out-of-state EMRs shall be submitted. DEP may also request a company's Workers Compensation Loss Runs to verify EMR.

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Bidders that do not have an EMR shall provide, for the past 3 years, their: (a) Workers Compensation Loss Runs (this information shall be provided by their insurance broker); (b) OSHA Total Recordable Cases (TRC); and (c) Days Away, Restricted, or Transferred (DART) rates.

Note: if the bidder is not required to maintain such information, it shall provide an explanation for the exemption.

- 2.1.2 Last 3 years of OSHA 300 Forms (Logs of Work-Related Injuries and Illnesses) and/or 300A redacted summary worksheets (as available, to verify accuracy of information provided).

Note: if the bidder is not required to maintain such information, it shall provide an explanation for the exemption.

- 2.1.3 List of all federal, state and local regulatory agency (e.g., OSHA, NYSDEC, USEPA, USDOT, DEP, FDNY and NYCDOB, etc.) notices of violation, notices of deficiencies, and fines issued/received in the past 3 years; the letter listing these (or stating that no notices of violation, notices of deficiencies, and no fines have been issued/received in the past 3 years) shall be on company letterhead and certified as complete and accurate by the sworn, notarized statement of a principal or officer of the bidder.

- 2.1.4 List of reportable releases of chemical or petroleum products associated with the bidder's operations during, at a minimum, the last 3 years; the letter listing these (or stating that no reportable releases associated with the bidder's operations have occurred during the past 3 years) shall be on company letterhead and certified as complete and accurate by the sworn, notarized statement of a principal or officer of the bidder.

- 2.1.5 A written description of the bidder's EHS programs (and associated training), including any EHS programs and procedures employees will be required to follow while providing labor or services for DEP. Upon request by DEP, the bidder shall also provide a protocol for the EHS evaluation of any subcontractors that could be proposed by it for DEP approval.

- 2.1.6 A sworn, notarized certification from a principal or officer that, if the bidder is awarded the Contract, its EHS programs shall meet all OSHA, USEPA, NYS and local regulations, and the bidder shall abide by applicable DEP policies and procedures, as appropriate, and as provided by DEP. (Refer to Bidder's EHS Performance and Program Review Questionnaire/Checklist that is included with the bid submission materials in the Invitation for Bids package).

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2.1.7 For bidders that are joint ventures, the above information must be provided and will be reviewed for the joint venture itself and the individual joint venture partners.

2.2 Responsiveness

To be responsive to the requirements of these Specifications, the bidder's EHS and training program descriptions, as contained in the above submittals, must indicate that:

- the bidder understands its regulatory requirements,
- has an adequate EHS and training program in place,
- has an EMR that is at 1.5 or below or (if it has no EMR) a comparable record, based upon the information provided under Section 2.1.1,
- has adequate EHS professionals available for the project,
- has demonstrated an acceptable safety record on similar projects over the past 3 years, and
- certified that its programs and training comply with all regulatory requirements.

3. Proposed Subcontractors

3.1 The subcontractor approval process requires an information submittal that includes the proposed subcontractor's EMR, EHS program descriptions and certifications similar to those required for the bidder.

3.2 The responsiveness standards listed in Section 2.2, above, shall also apply to the approval of proposed subcontractors that would be performing a significant volume or aspect of the project.

4. Contractor Orientation

4.1 Prior to commencing any work at any DEP location, the Contractor shall be required to attend an orientation. After attending the initial orientation, the Contractor shall, in turn, provide an orientation to any of the Contractor's employees assigned to work at the

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DEP location. This training must also be provided to subcontractors, suppliers¹, and Contractor visitors who will be onsite.

4.2 During orientation, DEP will provide the Contractor with the most current:

- 4.2.1 Work site-specific hazardous conditions and related information (e.g. hazardous chemicals present at the work site, locations of Safety Data Sheets, and required safe work practices including minimum Personal Protective Equipment (PPE) requirements);
- 4.2.2 Facility-specific lockout/tagout requirements;
- 4.2.3 Applicable sections of the work site’s Emergency Action Plan and, at a minimum, the emergency contact numbers, facility map, notification procedures, evacuation procedures, evacuation routes, assembly areas, and description of alarms;
- 4.2.4 Access control procedure;
- 4.2.5 Location of restricted areas accessible from the work area or approaches to the work area (e.g., Process Safety Management/Risk Management Plan-covered processes, permit-required confined spaces and other high-hazard areas) and procedures for working in and around restricted areas;
- 4.2.6 DEP’s Workplace Violence Prevention Policy;
- 4.2.7 DEP’s Possession of Firearms in the Workplace Policy;
- 4.2.8 All other applicable DEP policies and procedures that will, or may, be necessary for the work; and
- 4.2.9 Information on known constituents of concern in the work area, including areas known to contain, or having historically contained, lead, asbestos, PCBs, and mercury.

4.3 If provided one by DEP, the Contractor shall distribute to all workers who are to attend the orientation a hazardous material and safe work practices information package. If

¹ This requirement does not apply to suppliers providing services or products that are determined by the Bureau administering the Contract to have little likelihood of affecting DEP employee safety, property, the public, or the environment.

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possible, it will be distributed at least two days prior to the orientation. The workers shall sign for the packages and indicate that they have reviewed the contents prior to their attending the orientation.

4.4 Prior to commencing any work, a responsible official of the Contractor shall certify that it understands its obligations to train its employees and that it has been informed of and will abide by applicable DEP policies and procedures while it is working at DEP work sites.

4.5 If the Contractor or a subcontractor needs to add additional or replacement worker(s) to its crews, the new worker(s) must be provided with the same information received by other workers and receive the orientation for the work site(s).

4.6 The Contractor shall use the Contractor Training Certification form provided by DEP (or an equivalent form), as the record of those Contractor and subcontractor employees who have completed the facility orientation.

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5. Requirements During Work

5.1 When and where required by the DEP Bureau of Police and Security, the Contractor and its subcontractors, and all of their respective employees shall, at all times when working at the site(s), wear photo-identification badges.

5.2 The Contractor shall develop a work plan that identifies and addresses safety hazards and environmental requirements prior to starting any work.

5.3 PPE must be utilized in accordance with the work plan.

5.4 The Contractor and its subcontractors and all of their respective employees shall, upon request, produce certificates, licenses and other documentation that laws or regulations require them to obtain in order to conduct activities they are performing (e.g., Asbestos Worker Certificate, FDNY Certificate of Fitness in New York City).

5.5 The Contractor's and its subcontractors' employees are restricted from entering all high-hazard process areas, unless access is required to perform their work. In coordination with the Contract Supervisor, the Contractor or subcontractor employees entering such process areas must obtain permission from the on-duty operator or supervisor in person or by the telephone before entering these areas. Further, Contractor or subcontractor employees must inform the on-duty operator or supervisor in person or by telephone upon leaving and follow all other facility access control procedures.

5.6 Any worker who fails to abide by the EHS requirements presented in the safety orientation shall, at the sole discretion of the DEP, be denied access to the facilities and shall be replaced by the Contractor, as directed by DEP.

5.7 The Contractor shall immediately inform the DEP Contract Supervisor and the facility's most senior manager of all incidents and all near misses; and of any notices of violation (NOVs), notices of deficiencies (NODs), and fines issued by and/or received from regulatory agencies resulting from work performed. Initial written reports shall be submitted by the next day. Note that other specification sections in this Contract may include additional investigation and reporting requirements, and must be consulted. The more stringent requirements will apply in the event of any conflict.

5.7.1 The Contractor must close out all NOVs, and all other violations/deficiencies, and pay the appropriate fines before final or subsequent payments can be made by DEP. The Contractor will not receive final payment if there are open violations or notices of non-compliance.

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6. Evaluations of Contractor EHS Performance

6.1 DEP will perform evaluations of the Contractor’s performance to ensure compliance with all EHS laws and regulations and DEP and facility EHS requirements. Such evaluations will be considered when evaluating the Contractor’s bids for future contracts.

6.2 The Contractor shall be rated on each category shown on the Contractor EHS Evaluation form a copy of which should be provided to the Contractor by the Contract Supervisor. (“NA”s are acceptable where the particular requirement was not applicable). The Contract Supervisor may include other specific EHS categories under “Other” that are of particular importance to the project. The Contract Supervisor shall inform the Contractor prior to commencement of work when this is the case.

6.3 DEP considers compliance with and conformance to EHS requirements to be of the utmost importance, and recognizes that, on particular projects, the importance of compliance with certain requirements may carry more weight than others, as failure to comply may present a greater level of risk. The final rating for the job in such a case may be weighted more heavily on specific categories (one or two) if compliance with that/those program requirement(s) is paramount to worker safety and/or environmental protection. In this case, the Contractor shall be notified prior to the commencement of work or through the development of risk-based safety plans during the course of the project.

6.4 The following rating scale shall be utilized in conducting the Contractor evaluations:

Excellent – Contractor exceeded EHS contractual, policy, and/or regulatory requirements. Work was accomplished with no observed deficiencies and no violations. Contractor proactively and effectively addressed potential risks. Contractor demonstrated EHS leadership and best practices and showed alignment with DEP’s EHS goals.

Good – Contractor met or exceeded most EHS contractual, policy, and/or regulatory requirements. Work was accomplished with limited or minor observed deficiencies or minor violations. Correction and preventative actions taken by the Contractor were timely and effective.

Fair – Contractor met EHS contractual, policy, and/or regulatory requirements. Observed deficiencies or violations were satisfactorily corrected and did not indicate a pattern of repetition. The correction and preventative actions taken by the Contractor were completed in a timely manner.

Poor – Contractor did not meet some EHS contractual, policy, and/or regulatory requirements. EHS deficiencies and/or violations were identified, but the Contractor either did not identify corrective and preventative actions or proposed correction and preventative actions that appeared to be only marginally effective.

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Unsatisfactory – Contractor did not meet a significant number of EHS contractual, policy, and/or regulatory requirements. EHS deficiencies and/or violations were identified, but Contractor did not develop a Corrective and Preventative Action Plan, or failed to implement a Corrective and Preventative Action Plan, or implemented an unsuccessful Corrective and Preventative Action Plan. Deficiencies and/or violations indicated a pattern of repetition.

6.5 A Contractor that disagrees with an overall evaluation of “Poor” or “Unsatisfactory” can submit a written request for reconsideration to the DEP Contract Supervisor within 10 business days after receipt of the written evaluation. The request for reconsideration must set forth all of the relevant information and arguments and be accompanied by any documentation relied on in support of the request. The request for reconsideration will be reviewed by the Deputy Commissioner overseeing the Bureau or his or her designee. The Deputy Commissioner or designee will notify the Contractor of the determination of the request in writing. Such determination will be final.

6.6 If its evaluation (other than the final evaluation) is “Poor” or “Unsatisfactory,” the Contractor must prepare a Corrective and Preventive Action Plan to correct and prevent recurrence of the deficiencies identified through the evaluation.

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EXHIBIT B

**BIDDER’S EHS PERFORMANCE AND PROGRAM REVIEW
QUESTIONNAIRE
REV 3, 2/26/2018**

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Bidder’s EHS Performance and Program Review Questionnaire (1 of 2)

DEP Contract Name or Number:		
Contractor Name:		
Location(s) and description of work to be performed (attach work summary from contract):		
Provide as part of the pre-award submittal:	<input type="checkbox"/>	EMR Ratings
	<input type="checkbox"/>	OSHA 300 logs and/or 300A redacted worksheets
	<input type="checkbox"/>	Sworn, certified and notarized letter with information on all regulatory violations in the past 3 years
	<input type="checkbox"/>	Sworn, certified and notarized letter with information on all reportable releases in the past 3 years
	<input type="checkbox"/>	Written description of firm’s EHS programs
Attach Table of Contents of Firm’s EHS programs and describe below		
Describe employee EHS training below, including new employee training		
Describe protocol for subcontractor approval and onboarding below		

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Bidder’s EHS Performance and Program Review Questionnaire (2 of 2)

Certifications

I certify that the EHS and Training Programs for (Company Name) _____
comply with applicable OSHA, USEPA, NYSDEC and NYC regulatory requirements and
that the information presented on this form and attachments is accurate and complete.
Our company is aware and understands its obligations under the OSHA, USEPA, State
and NYC standards (if applicable).

Signature: _____ Title: _____

Print Name: _____ Date: _____

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NO TEXT ON THIS PAGE

Brian Kilmer
156 Crane Road
Carmel, NY 10512

March 7, 2023

Robert Laga, Chairman of the Environmental Conservation Board & Board Members
Town of Carmel
60 McAlpin Avenue
Mahopac, NY 10541

Re: Construction sequence for 156 Crane Road, Tax Map #54.14-1-37

I am requesting a letter of permission to pour 1020 sq. ft. slab for a carport and the following is the project plan:

- Install silt fence.
- Place 6" of 2" gravel and compact.
- Frame out 12" footing and slab.
- Concrete truck comes in to pour monolithic footing and slab.
- Remove forms and back fill outside edge with existing clean fill.
- No heavy equipment to be used. All work will done by hand.
- 1020 square feet to be disturbed.

Sincerely,

Brian Kilmer

ROBERT LAGA
Chairman

NICHOLAS FANNIN
Vice Chairman

RICHARD FRANZETTI
Wetland Inspector

ROSE TROMBETTA
Secretary

TOWN OF CARMEL
ENVIRONMENTAL CONSERVATION BOARD



60 McAlpin Avenue
Mahopac, New York 10541
Tel. (845) 628-1500 - Ext. 190
www.ci.carmel.ny.us

BOARD MEMBERS

Edward Barnett
Anthony Federice
Nicole Sedran

APPLICATION FOR WETLAND PERMIT OR LETTER OF PERMISSION

Name of Applicant: **Brian Kilmer**

Address of Applicant: **156 Crane Rd, Carmel, NY 10512 Email: briankilmer37@icloud.com**

Telephone# **914-490-8275** Name and Address of Owner if different from Applicant: **S/A/A**

Property Address: **156 Crane Rd, Carmel, NY 10512** Tax Map # **54.14-1-37**

Agency Submitting Application if Applicable: **N/A**

Location of Wetland: **Front of Property**

Size of Work Section & Specific Location: **1020 square feet**

Will Project Utilize State Owned Lands? If Yes, Specify: **No**

Type and extent of work (feet of new channel, yards of material to be removed, draining, dredging, filling, etc). A brief description of the regulated activity (attach supporting details).

Pour Slab 1020 sq. ft. and steel carport erected.

Proposed Start Date: **April 2023** Anticipated Completion Date: _____ Fee Paid \$ _____

CERTIFICATION

I hereby affirm under penalty of perjury that information provided on this form is true to the best of my knowledge and belief, false statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law. As a condition to the issuance of a permit, the applicant accepts full legal responsibility for all damage, direct or indirect, or whatever nature, and by whomever suffered, arising out of the project described here-in and agrees to indemnify and save harmless the Town of Carmel from suits, actions, damages and costs of every name and description resulting from the said project.

SIGNATURE

3 7 20 23

DATE

Short Environmental Assessment Form

Part 1 - Project Information

Instructions for Completing

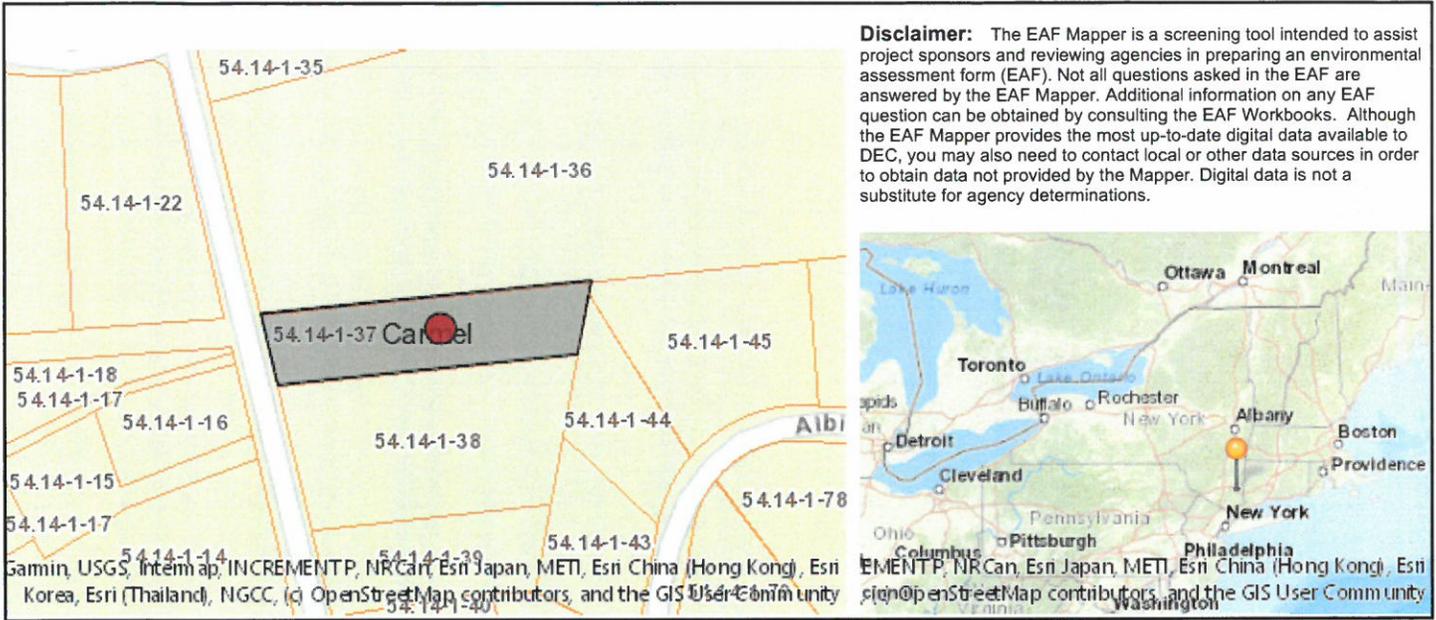
Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

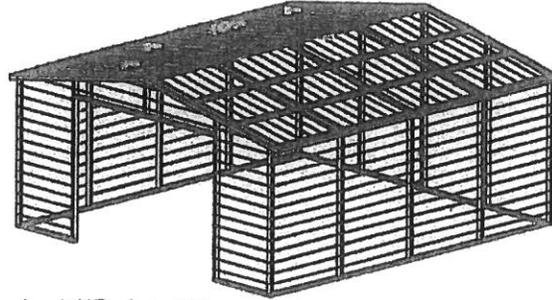
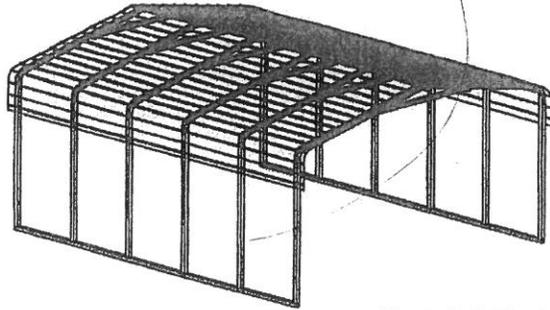
Part 1 – Project and Sponsor Information				
Name of Action or Project: Carport				
Project Location (describe, and attach a location map): 156 Crane Road, Carmel, NY 10512				
Brief Description of Proposed Action: Pour a 1020 square foot slab for carport.				
Name of Applicant or Sponsor: Brian Kilmer		Telephone: 914-490-8275 E-Mail: briankilmer37@icloud.com		
Address: 156 Crane Road				
City/PO: Carmel		State: New York	Zip Code: 10512	
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.			NO <input type="checkbox"/>	YES <input checked="" type="checkbox"/>
2. Does the proposed action require a permit, approval or funding from any other government Agency? If Yes, list agency(s) name and permit or approval: Building Permit			NO <input type="checkbox"/>	YES <input checked="" type="checkbox"/>
3. a. Total acreage of the site of the proposed action?		_____ 1.10 acres		
b. Total acreage to be physically disturbed?		_____ acres		
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?		_____ acres		
4. Check all land uses that occur on, are adjoining or near the proposed action:				
5. <input type="checkbox"/> Urban <input type="checkbox"/> Rural (non-agriculture) <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential (suburban)				
<input type="checkbox"/> Forest <input type="checkbox"/> Agriculture <input type="checkbox"/> Aquatic <input type="checkbox"/> Other(Specify):				
<input type="checkbox"/> Parkland				

	NO	YES	N/A
5. Is the proposed action, a. A permitted use under the zoning regulations? b. Consistent with the adopted comprehensive plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? If Yes, identify: _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8. a. Will the proposed action result in a substantial increase in traffic above present levels? b. Are public transportation services available at or near the site of the proposed action? c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9. Does the proposed action meet or exceed the state energy code requirements? If the proposed action will exceed requirements, describe design features and technologies: _____ _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
10. Will the proposed action connect to an existing public/private water supply? If No, describe method for providing potable water: _____ _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Will the proposed action connect to existing wastewater utilities? If No, describe method for providing wastewater treatment: _____ _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency? b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody? If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____ _____ _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply: <input type="checkbox"/> Shoreline <input type="checkbox"/> Forest <input type="checkbox"/> Agricultural/grasslands <input type="checkbox"/> Early mid-successional <input checked="" type="checkbox"/> Wetland <input type="checkbox"/> Urban <input type="checkbox"/> Suburban		
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered? Northern Long-eared Bat	NO	YES
	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16. Is the project site located in the 100-year flood plan?	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17. Will the proposed action create storm water discharge, either from point or non-point sources? If Yes, a. Will storm water discharges flow to adjacent properties? b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? If Yes, briefly describe: _____ _____	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)? If Yes, explain the purpose and size of the impoundment: _____ _____	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? If Yes, describe: _____ _____	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? If Yes, describe: _____ _____	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE Applicant/sponsor/name: <u>Brian Kilmer</u> Date: <u>3-7-23</u> Signature: <u></u> Title: _____		



Part 1 / Question 7 [Critical Environmental Area]	No
Part 1 / Question 12a [National or State Register of Historic Places or State Eligible Sites]	No
Part 1 / Question 12b [Archeological Sites]	No
Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies]	No
Part 1 / Question 15 [Threatened or Endangered Animal]	Yes
Part 1 / Question 15 [Threatened or Endangered Animal - Name]	Northern Long-eared Bat
Part 1 / Question 16 [100 Year Flood Plain]	No
Part 1 / Question 20 [Remediation Site]	No



REGULAR / A-FRAME 26'-0" WIDE CARPORT STYLE BUILDINGS

DESIGN NOTES

1. ALL CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH IBC 2018, OSHA, AISC 360, AISI 100, ASCE 7-16, AWS D1.3 CODES AND ALL APPLICABLE LOCAL REQUIREMENTS.
2. ALL MATERIALS IDENTIFIED BY MANUFACTURER NAME MAY BE SUBSTITUTED WITH MATERIAL EQUAL OR EXCEEDING ORIGINAL.
3. ALL SHOP CONNECTIONS SHALL BE WELDED CONNECTIONS.
4. ALL STRUCTURAL FIELD CONNECTIONS SHALL BE #12-14 X 3/4" SDS (ESR-2196 OR EQ) WITHOUT WASHERS.
5. STEEL SHEATHING SHALL BE 29GA CORRUGATED GALV. OR PAINTED STEEL - MAIN RIB HT. 3/4" (FY=80KSI) OR EQ. CONNECTIONS SHALL BE #12-14 X 3/4" SDS (ESR-2196 OR EQ) WITH NEOPRENE WASHERS.
6. ALL STRUCTURAL LIGHT GAUGE TUBING AND CHANNELS SHALL BE GRADE 50 STEEL (FY = 50 KSI, FU = 65 KSI).
7. STRUCTURAL TUBE 2 1/2" X 2 1/2" - 14GA. IS EQUIVALENT TO TS 2 1/4" X 2 1/4" - 12GA AND EITHER ONE MAY BE USED IN LIEU OF THE OTHER.
8. GYPSUM BOARD OR DRYWALL FINISH OR ANY BRITTLE BASE MATERIAL IS NOT CONSIDERED OR ACCOUNTED FOR ON THE DESIGN CRITERIA.
9. ALL DESIGN CRITERIA MUST BE INCREASED TO THE NEXT HIGHER INCREMENT BASED ON THE TABLES ON PAGE 4. NO INTERPOLATION IS ALLOWED.

DESIGN CRITERIA

- PREVAILING CODE: NYSBC (IBC 2018)
 USE GROUP: U (CARPORTS, BARNS)
 RISK CATEGORY: 1
1. ROOF DEAD LOAD (D) $D = 4$ PSF
 2. ROOF LIVE/SNOW LOAD (Lr) $Lr = 20 - 61$ PSF (AS PER SNOW LOAD SEE TABLE 4)
 3. SNOW LOAD (S)
 GROUND SNOW LOAD $P_g = 20 - 90$ PSF
 IMPORTANCE FACTOR $I_s = 0.8$
 THERMAL FACTOR $C_t = 1.2$
 EXPOSURE FACTOR $C_e = 1.0$
 ROOF SLOPE FACTOR $C_s = 1.0$
 4. WIND LOAD (W)
 BASIC WIND SPEED $V_{ULT} = 105 - 180$ MPH
 EXPOSURE C
 5. SEISMIC LOAD (E)
 DESIGN CATEGORY D
 IMPORTANCE FACTOR $I_e = 1.00$
- LOAD COMBINATIONS:
1. $D + (Lr \text{ OR } S)$
 2. $D + (0.6W \text{ OR } \pm 0.7E)$
 3. $D + 0.75 (0.6W \text{ OR } \pm 0.7E) + 0.75 (Lr \text{ OR } S)$
 4. $0.6D + (0.6W \text{ OR } \pm 0.7E)$

DRAWING INDEX

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OPTIONAL LEAN-TO ADDITION	----	10
FOUNDATION OPTIONS	----	11-A TO 11-D

MANUFACTURED BY:



457 N. Broadway,
Joshua, TX 76058
1-866-730-9865

ENGINEERED BY:



A&A ENGINEERING
CIVIL • STRUCTURAL

6036 Renaissance Place, Toledo, OH 43623
Tel. 419-292-1983 • Fax. 419-292-0935
www.aa-engineers.com

DRAWING INFORMATION

PROJECT: 26'-0" WIDE BUILDINGS

LOCATION: STATE OF NEW YORK

PROJECT NO.: 033-22-0241

SHEET TITLE:

COVER SHEET

SHEET NO.: 1 / 11

DRAWN BY: AW DATE: 2/8/22

CHECKED BY: OAA DATE: 2/8/22

LEGAL INFORMATION

- ANY DUPLICATION OF THIS DRAWING IN WHOLE OR PART IS STRICTLY FORBIDDEN. ANYONE DOING SO WILL BE PROSECUTED UNDER THE FULL EXTENT OF THE LAW.
 - DRAWINGS VALID UP TO DATE OF EXPIRATION.

SEAL:



CUSTOMER INFORMATION

OWNER:
ADDRESS:

DESIGN LOADS

GROUND SNOW:

ROOF LIVE LOAD:

BASIC WIND SPEED:

BUILDING INFORMATION

WIDTH:

LENGTH:

HEIGHT:

FRAME TYPE: A-FRAME
 REGULAR

ENCLOSURE TYPE: FULL
 PARTIAL
 OPEN

CERTIFICATION VALIDITY NOTICE

DATE OF PLANS EXPIRATION: **02-07-2023**

CERTIFICATION ON THESE DRAWINGS IS VALID FOR ONE YEAR FROM DATE OF ISSUE

STAMP EXPIRY: **10-31-2024**

DATE SIGNED: **02-07-2022**

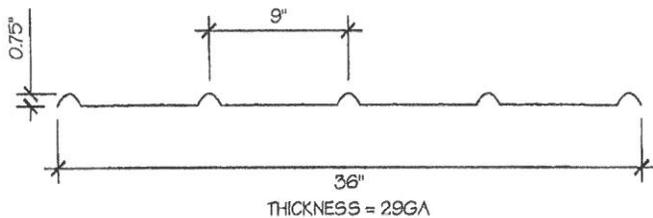
TABLE 2.1: MEMBER PROPERTIES

NO.	LABEL	PROF/KEY	DETAIL NO.
1	COLUMN POST	2.5" X 2.5" X 14GA TUBE W/ 2.25" X 2.25" X 12GA TUBE INSERT	11
2	ROOF BEAM	2.5" X 2.5" X 14GA TUBE	1
3	BASE RAIL	2.5" X 2.5" X 14GA TUBE	1
4	PEAK BRACE	2.5" X 2.5" X 14GA TUBE	1
5	KNEE BRACES	2.5" X 1.5" X 14GA CHANNEL	4
6	CONNECTOR SLEEVE	2.25" X 2.25" X 12GA TUBE	2
7	BASE ANGLE	2" X 2" X 3" LG. 3/16" ANGLE	10
8	PURLIN	4.25" X 1.5" X 18GA / 14GA HAT CHANNEL	5
9	GIRT	4.25" X 1.5" X 18GA / 14GA HAT CHANNEL	5
10	SHEATHING	29 GA CORRUGATED SHEET	8
11	END WALL POST	2.5" X 2.5" X 14GA TUBE	1
12	DOOR POST	2.5" X 2.5" X 14GA TUBE	1
13	SINGLE HEADER	2.5" X 2.5" X 14GA TUBE	1
14	DOUBLE HEADER	DBL. 2.5" X 2.5" X 14GA TUBE	1
15	SERVICE DOOR / WINDOW FRAMING	2.5" X 2.5" X 14GA TUBE	1
16	ANGLE BRACKET	2" X 2" X 2" LG. 14GA ANGLE	7
17	STRAIGHT BRACKET	2" X 2" X 4" LG. 14GA PLATE	6
18	PB SUPPORT	2.5" X 2.5" X 14GA TUBE	1
19	DIAGONAL BRACE	2" X 2" X 14 GA TUBE	3
20	GABLE BRACE	2" X 2" X 14 GA TUBE	3
21	DB BRACKET	2.25" X 2.25 X 6" X 14GA ANGLE	9
22	TRUSS SPACER	2.5" X 2.5" X 14GA TUBE	1
23	ALL FASTENERS	#12 X 1" SELF-DRILL SCREWS (ESR-2196 OR EQ) W/ NEOPRENE/STEEL WASHER	

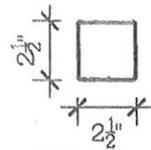
TABLE 2.2: SHEATHING FASTENER SCHEDULE

LOCATION	CORNER PANELS	SIDE LAPS	EDGE LAPS	ELSEWHERE
SPACING	9" C/C	MIN. 1	4 1/2" C/C	9" C/C

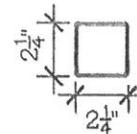
FASTENER TYPE: #12X1" SELF-DRILL SCREWS (ESR-2196 OR EQ) W/ NEOPRENE/STEEL WASHER
 *SEE TYP. SHEATHING FASTENER SCHEDULE DIAGRAM ON PAGE 6.



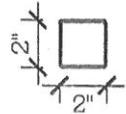
29 GA CORRUGATED SHEATHING 8
 SCALE: NTS



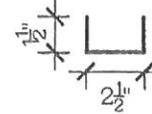
THICKNESS = 14GA
 2.5" X 2.5" 14GA TUBE 1
 SCALE: NTS



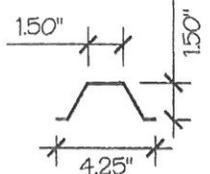
THICKNESS = 12GA
 2.25" X 2.25" 12GA TUBE 2
 SCALE: NTS



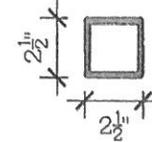
THICKNESS = 14GA
 2" X 2" 14GA TUBE 3
 SCALE: NTS



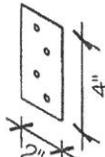
THICKNESS = 14GA
 2.5" X 1.5" 14GA CHANNEL 4
 SCALE: NTS



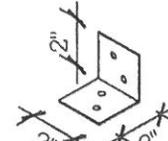
THICKNESS = 14GA / 18GA
 4.25" X 1.5" X 18GA / 14GA HAT CHANNEL 5
 SCALE: NTS



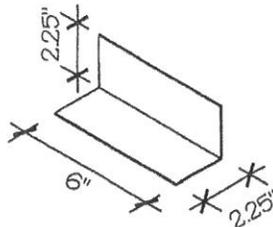
2.5" X 2.5" X 14GA TUBE W/ 2.25" X 2.25" X 12GA TUBE INSERT 11
 SCALE: NTS
 NOTE: INSERT FULL LENGTH & FIELD BOLT W/ (23) FASTENERS @ 12" C/C STAGGERED OPPOSITE FACE



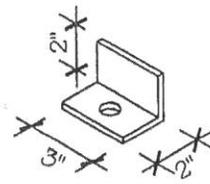
THICKNESS = 14GA
 STRAIGHT BRACKET 6
 SCALE: NTS



THICKNESS = 14GA
 ANGLE BRACKET 7
 SCALE: NTS



THICKNESS = 14GA
 DB BRACKET 9
 SCALE: NTS



THICKNESS = 3/16"
 BASE ANGLE 10
 SCALE: NTS

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DRAWING INFORMATION

PROJECT: 26'-0" WIDE BUILDINGS

LOCATION: STATE OF NEW YORK

PROJECT NO.: 033-22-0241

SHEET TITLE:

SCHEDULES & MEMBER SECTIONS

SHEET NO.: 2 / 11

DRAWN BY: AW DATE: 2/8/22

CHECKED BY: OAA DATE: 2/8/22

LEGAL INFORMATION

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SEAL:



STAMP EXPIRY: 10-31-2024

DATE SIGNED: 02-07-2022

MANUFACTURED BY:



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DRAWING INFORMATION

PROJECT: 26'-0" WIDE BUILDINGS

LOCATION: STATE OF NEW YORK

PROJECT NO.: 033-22-0241

SHEET TITLE:

FRAME SECTIONS & DETAILS

SHEET NO.: 3 / 11

DRAWN BY: AW DATE: 2/8/22

CHECKED BY: OAA DATE: 2/8/22

LEGAL INFORMATION

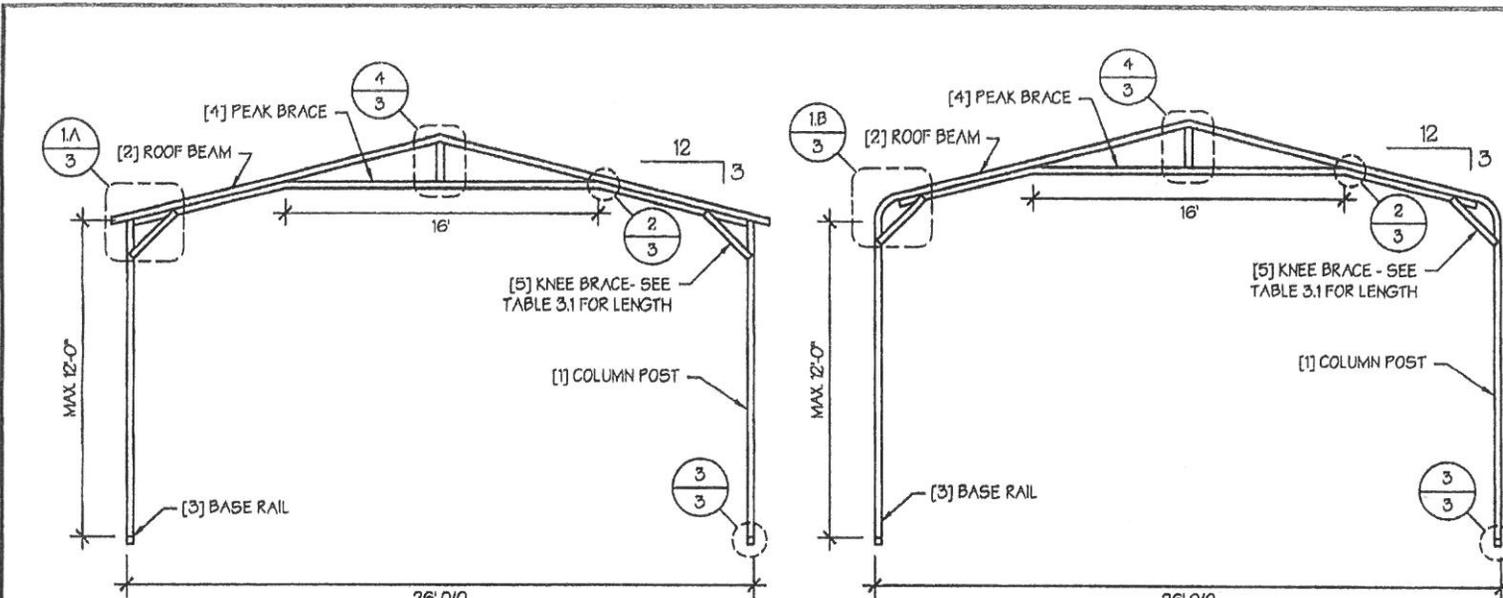
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SEAL:



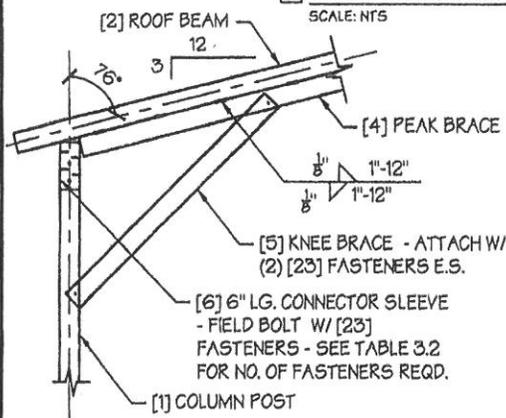
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DATE SIGNED: 02-07-2022



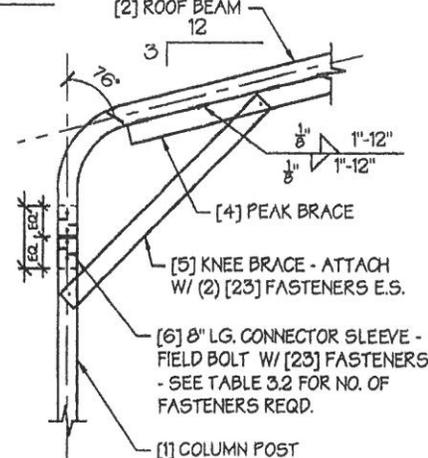
TYP. A-FRAME SECTION
SCALE: NTS

TYP. REGULAR FRAME SECTION
SCALE: NTS

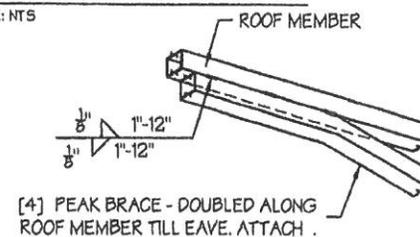


A. 'A'-FRAME

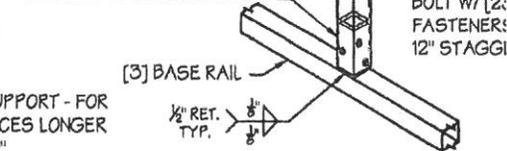
EAVE DETAIL 1
SCALE: NTS



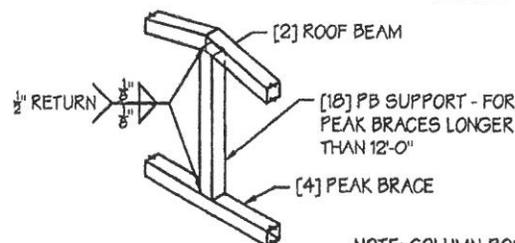
B. REGULAR FRAME



PEAK BRACE CONNECTION DETAILS 2
SCALE: NTS



BASE DETAIL 3
SCALE: NTS



PB SUPPORT DETAIL 4
SCALE: NTS

NOTE: COLUMN POST MAY BE ADJUSTED ±1" FOR LEVELING. MANUFACTURER IS NOT RESPONSIBLE FOR LEVELING OF GROUND AND/OR CONCRETE SURFACE PROVIDED BY OTHERS.

TABLE 3.1: KNEE BRACE SCHEDULE

EAVE HEIGHT	KNEE BRACE LENGTH
□ UP TO 8'	24"
□ 9' TO 12'	36"

TABLE 3.2 FASTENER SCHEDULE

WIND SPEED (MPH)	NO. OF FASTENERS
□ 105 TO 125	4
□ 130 TO 155	6
□ 160 TO 180	8

TABLE 4: FRAME SPACING CHART / SCHEDULE

GROUND SNOW / ROOF LIVE LOAD (PSF)	■ ENCLOSED BUILDINGS							■ OPEN BUILDINGS							
	WIND SPEED (MPH)							WIND SPEED (MPH)							
	105	115	130	140	155	165	180	105	115	130	140	155	165	180	
EAVE HEIGHT = 10'-0" TO 12'-0"	30/20	60	60	54/60	54	48	42/48	36/42	54/60	48/54	42/54	42/48	36/42	36/42	30/36
	40/27	48/60	48/60	42/60	42/54	42/48	42/48	36/42	48/54	48/54	42/54	42/48	36/42	36/42	30/36
	50/34	40/54	40/54	40/54	40/54	40/48	40/48	36/42	40/48	40/48	40/48	40/42	36/42	36	30/36
	60/41	36/48	36/48	36/48	36/48	36/48	36/48	36/42	36/42	36/42	36/42	36/42	36	36	30
	70/47	32/42	32/42	32/42	32/42	32/42	32/36	32/36	32/36	32/36	32/36	32/36	32/36	30	30
	80/54	30/42	30/42	30/42	30/42	30/36	30/36	30/36	24	24	24	24	24	24	24
	90/61	24	24	24	24	24	24	24	18	18	18	18	18	18	18
EAVE HEIGHT = 7'-0" TO 9'-0"	30/20	60	60	54/60	54	48	42/48	36/42	54/60	48/60	42/60	42/54	36/48	36/42	30/36
	40/27	48/60	48/60	42/60	42/54	42/48	42/48	36/42	48/54	48/54	42/54	42/54	36/48	36/42	30/36
	50/34	40/54	40/54	40/54	40/54	40/48	40/48	36/42	40/48	40/48	40/48	40/48	36/48	36/42	30/36
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	70/47	32/42	32/42	32/42	32/42	32/42	32/42	32/42	32/36	32/36	32/36	32/36	32/36	32/36	30/36
	80/54	30/42	30/42	30/42	30/42	30/42	30/36	30/36	30/36	30/36	30/36	30/36	30	30	30
	90/61	30	30	30	30	30	30	30	24	24	24	24	24	24	24
EAVE HEIGHT = UP TO 6'-0"	30/20	60	60	54/60	54	48	42/48	36/42	54/60	48/60	42/60	42/54	36/48	36/48	30/42
	40/27	48/60	48/60	42/60	42/54	42/48	42/48	36/42	48/54	48/54	42/54	42/54	36/48	36/48	30/42
	50/34	40/54	40/54	40/54	40/54	40/48	40/48	36/42	40/48	40/48	40/48	40/48	36/48	36/48	30/42
	60/41	36/48	36/48	36/48	36/48	36/48	36/48	36/42	36/42	36/42	36/42	36/42	36/42	36/42	30/42
	70/47	32/42	32/42	32/42	32/42	32/42	32/42	36/42	32/36	32/36	32/36	32/36	32/36	32/36	30/36
	80/54	30/42	30/42	30/42	30/42	30/42	30/36	30/36	30/36	30/36	30/36	30/36	30/36	30/36	30
	90/61	30/36	30/36	30/36	30/36	30/36	30/36	30/36	24	24	24	24	24	24	24

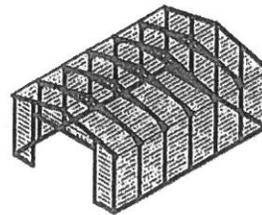
- NOTES:
- FRAME SPACINGS ARE IN UNITS OF INCHES (IN).
 - WHERE TWO VALUES ARE SHOWN, THE HIGHER VALUE CAN ONLY BE USED FOR VERTICAL SHEATHING.
 - SNOW LOADS AND ROOF LIVE LOADS ARE IN POUNDS PER SQUARE FOOT (PSF). WIND SPEED IS 3 SEC. GUST IN MILES PER HOUR (MPH).
 - FOR VALUES THAT LIE BETWEEN TWO CELLS, THE HIGHER (MORE STRINGENT) VALUE HAS TO BE USED. INTERPOLATION BETWEEN CELLS IS NOT ALLOWED.

ENCLOSURE CLASSIFICATION:

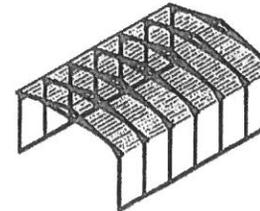
- ENCLOSED BUILDING** = ALL 4 WALLS FULLY ENCLOSED WITH DOORS/WINDOWS = USE ENCLOSED BUILDING SPACING CHART.
- OPEN BUILDING** = ALL 4 WALLS FULLY OPEN = USE OPEN BUILDING SPACING CHART.
- 3FT PARTIALLY ENCLOSED** = BOTH END-WALLS FULLY OPEN, WITH BOTH SIDE-WALLS ONLY 3FT ENCLOSED = USE OPEN BUILDING SPACING CHART.
- PARTIALLY ENCLOSED** = BOTH END-WALLS FULLY OPEN, WITH BOTH SIDE-WALLS ENCLOSED MORE THAN 3FT = START WITH OPEN BUILDING SPACING CHART AND THEN REDUCE SPACING BY 6".
- 3 SIDED ENCLOSED** = ALL WALLS ARE ENCLOSED EXCEPT FOR 1 END-WALL = START WITH ENCLOSED BUILDING SPACING + THE OPEN END FRAME MUST HAVE EITHER A GABLED END OR HAVE DOUBLED WELDED LEGS & ROOF.
- FOR ALL SHEATHING ENCLOSURES NOT LISTED ABOVE, REFER TO SHEET 5 FOR SPACING AND DESIGN REQUIREMENTS.

GENERAL NOTES:

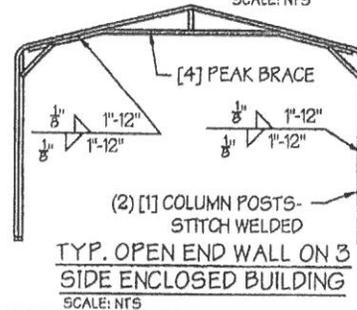
- THE MAX. BUILDING LENGTH FOR ENCLOSED BUILDINGS IS 50'-0". THIS CAN BE INCREASED BY ADDING A DOUBLE FRAME AT THE CENTER TO BREAK THE LENGTH OF THE BUILDING.
- BUILDINGS WITH PARTIALLY ENCLOSED END WALLS NEED TO HAVE SIDE WALL BRACING TO SUPPORT THE PARTIALLY ENCLOSED END WALL. (SEE FIGURE A ON SHEET 5).



TYP. ENCLOSED BUILDING
SCALE: NTS



TYP. OPEN BUILDING
SCALE: NTS



MANUFACTURED BY:



457 N. Broadway,
Joshua, TX 76058
1-866-730-9865

ENGINEERED BY:



A&A ENGINEERING
CIVIL • STRUCTURAL
6036 Renaissance Place, Toledo, OH 43623
Tel. 419-292-1983 • Fax. 419-292-0955
www.aa-engineers.com

DRAWING INFORMATION

PROJECT: 26'-0" WIDE BUILDINGS

LOCATION: STATE OF NEW YORK

PROJECT NO.: 033-22-0241

SHEET TITLE:

SPACING SCHEDULES
& ENCLOSURE NOTES

SHEET NO.: 4 / 11

DRAWN BY: AW DATE: 2/8/22

CHECKED BY: OAA DATE: 2/8/22

LEGAL INFORMATION

- ANY DUPLICATION OF THIS DRAWING IN WHOLE OR PART IS STRICTLY FORBIDDEN. ANYONE DOING SO WILL BE PROSECUTED UNDER THE FULL EXTENT OF THE LAW.
- DRAWINGS VALID UP TO DATE OF EXPIRATION.

SEAL:



STAMP EXPIRY: 10-31-2024

DATE SIGNED: 02-07-2022

SUNNY ACRES
F.M. # 843

SURVEY OF PROPERTY
PREPARED FOR
S.A.L. BUILDERS
SITUATE IN THE
TOWN OF CARMEL
PUTNAM COUNTY
NEW YORK
SCALE 1" = 40'

NOTES:

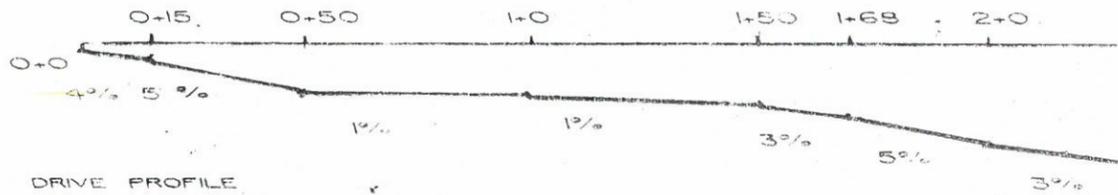
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AREA = 42,070 S.F. or 0.4658 ACRES



RICHARD H. GORR, the surveyor who made this map, hereby certify that the survey shown hereon was completed by me on June 26, 1999 and that this map was completed by me on June 29, 1999 and that this survey has been prepared in accordance with the existing Code of Practice for Land Surveyors adopted by the New York State Association of Professional Land Surveyors. FINAL SURVEY 11/12/99

Richard H. Gorr
RICHARD H. GORR, P.L.S., N.Y.S. LIC. NO. 40513
ROUTE 6, P.O. BOX 916, MAHOPAC, N.Y. 10541



DRIVE PROFILE

1" = 40' horiz.
1" = 10' vert.

*OK
JIC
12/6/99*

